

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
 Data File : BF116339.D
 Acq On : 17 Aug 2019 1:10
 Operator : HP/JU
 Sample : K4355-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:37:16 AM

Quant Time: Aug 19 01:04:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	140510	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	547595	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	273541	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	409085	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	245036	20.00	ng	-0.03
87) Perylene-d12	15.44	264	290078	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	714619	85.14	ng	-0.02
7) Phenol-d6	6.46	99	904800	85.44	ng	-0.02
23) Nitrobenzene-d5	7.39	82	580175	61.16	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	195850	73.85	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	1001435	68.57	ng	-0.04
79) Terphenyl-d14	12.92	244	805457	69.26	ng	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	170555	40.223	ng	98
3) Pyridine	3.39	79	441871	37.305	ng	100
4) n-Nitrosodimethylamine	3.36	42	195856	41.900	ng	98
6) Aniline	6.49	93	442985	29.210	ng	# 83
8) 2-Chlorophenol	6.61	128	443616	47.796	ng	97
9) Benzaldehyde	6.37	77	211914	29.002	ng	98
10) Phenol	6.48	94	563416	45.180	ng	98
11) bis(2-Chloroethyl)ether	6.56	93	430111	46.912	ng	99
12) 1,3-Dichlorobenzene	6.76	146	468075	43.638	ng	99
13) 1,4-Dichlorobenzene	6.83	146	483313	45.001	ng	99
14) 1,2-Dichlorobenzene	6.99	146	443771	44.874	ng	98
15) Benzyl Alcohol	6.97	79	358264	44.580	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.09	45	544987	43.579	ng	76
17) 2-Methylphenol	7.08	107	359451	45.738	ng	96
18) Hexachloroethane	7.32	117	171928	43.480	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	299869	45.697	ng	98
20) 3+4-Methylphenols	7.24	107	448539	48.229	ng	# 80
22) Acetophenone	7.23	105	586588	48.844	ng	95
24) Nitrobenzene	7.40	77	486560	47.500	ng	100
25) Isophorone	7.64	82	877778	48.390	ng	98
26) 2-Nitrophenol	7.72	139	238429	49.379	ng	95
27) 2,4-Dimethylphenol	7.76	122	382182	52.610	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	536486	47.716	ng	100
29) 2,4-Dichlorophenol	7.97	162	377120	49.167	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	400038	45.753	ng	99
31) Naphthalene	8.12	128	1232533	47.831	ng	99
32) Benzoic acid	7.93	122	237736	46.418	ng	98
33) 4-Chloroaniline	8.17	127	235959	20.494	ng	99
34) Hexachlorobutadiene	8.23	225	226405	44.956	ng	99
35) Caprolactam	8.55	113	116315m	46.887	ng	
36) 4-Chloro-3-methylphenol	8.67	107	380080	47.632	ng	100
37) 2-Methylnaphthalene	8.81	142	801673	47.238	ng	100
38) 1-Methylnaphthalene	8.91	142	749903	46.708	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	362303	49.543	ng	100

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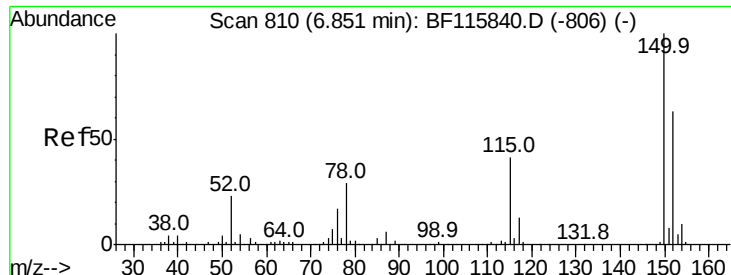
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	87707	30.660	nq	98
43) 2,4,6-Trichlorophenol	9.10	196	233721	46.433	nq	99
44) 2,4,5-Trichlorophenol	9.15	196	244236	46.940	nq	99
46) 1,1'-Biphenyl	9.27	154	955997	49.503	nq	98
47) 2-Chloronaphthalene	9.30	162	752863	46.840	nq	99
48) 2-Nitroaniline	9.40	65	241835	45.519	nq	93
49) Acenaphthylene	9.72	152	1109072	47.297	nq	98
50) Dimethylphthalate	9.57	163	1045551	56.137	nq	100
51) 2,6-Dinitrotoluene	9.65	165	196690	48.595	nq	96
52) Acenaphthene	9.89	154	682846	47.467	nq	99
53) 3-Nitroaniline	9.82	138	142197	28.432	nq	99
54) 2,4-Dinitrophenol	9.94	184	51344	30.318	nq	98
55) Dibenzofuran	10.06	168	945851	45.211	nq	98
56) 4-Nitrophenol	10.00	139	237805	74.226	nq	96
57) 2,4-Dinitrotoluene	10.06	165	225635	41.870	nq	91
58) Fluorene	10.40	166	761432	47.306	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.19	232	202652	46.294	nq	98
60) Diethylphthalate	10.27	149	828020	47.618	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	383344	47.026	nq	97
62) 4-Nitroaniline	10.43	138	173799	33.626	nq	98
63) Azobenzene	10.55	77	821532	45.933	nq	98
65) 4,6-Dinitro-2-methylphenol	10.47	198	52067	24.017	nq	93
66) n-Nitrosodiphenylamine	10.51	169	668365	54.281	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	224841	51.342	nq	98
68) Hexachlorobenzene	10.96	284	238714	47.140	nq	99
69) Atrazine	11.04	200	201670	49.786	nq	98
70) Pentachlorophenol	11.16	266	200884	81.710	nq	98
71) Phenanthrene	11.37	178	1088385	52.043	nq	100
72) Anthracene	11.42	178	1047948	49.513	nq	99
73) Carbazole	11.57	167	905633	47.163	nq	100
74) Di-n-butylphthalate	11.89	149	1125086	50.227	nq	99
75) Fluoranthene	12.56	202	1097812	50.142	nq	98
77) Benzidine	12.67	184	209176	25.268	nq	98
78) Pyrene	12.79	202	1059498	57.360	nq	99
80) Butylbenzylphthalate	13.39	149	525394	67.243	nq	96
81) Benzo(a)anthracene	13.97	228	820013	52.357	nq	100
82) 3,3'-Dichlorobenzidine	13.93	252	136209	25.033	nq	99
83) Chrysene	14.01	228	809462	53.236	nq	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	604363	59.523	nq	100
85) Di-n-octyl phthalate	14.55	149	934617	57.952	nq	98
86) Indeno(1,2,3-cd)pyrene	16.91	276	832907	65.220	nq	99
88) Benzo(b)fluoranthene	15.02	252	886432	52.850	nq	99
89) Benzo(k)fluoranthene	15.04	252	718939	44.007	nq	# 98
90) Benzo(a)pyrene	15.38	252	793174	52.901	nq	99
91) Dibenzo(a,h)anthracene	16.91	278	677166	52.176	nq	98
92) Benzo(g,h,i)perylene	17.34	276	688211	53.994	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

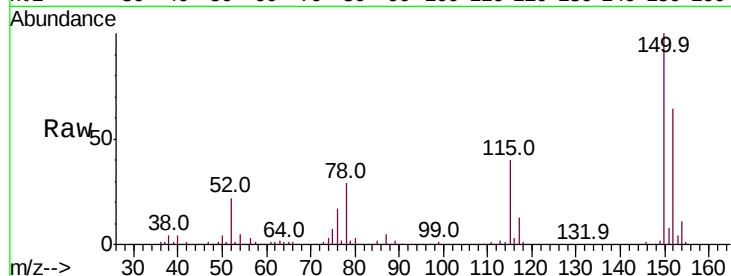
ClientSampleId :

RBR-200057-200054MSD

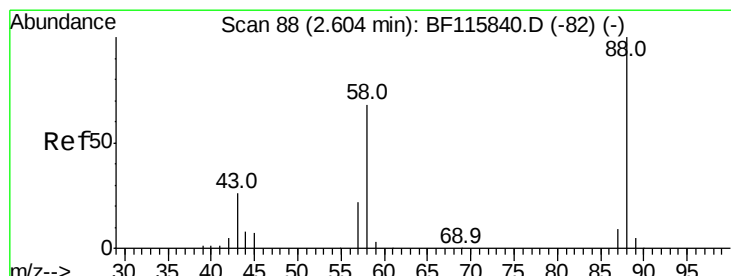
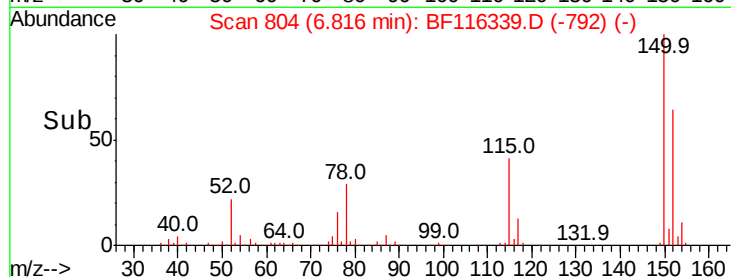
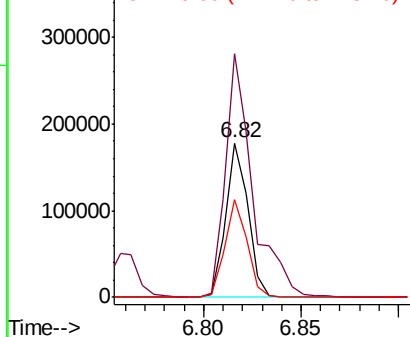
Tot Ion:	152	Resp:	140510
Ion Ratio	Lower	Upper	
152	100		
150	157.4	126.2	189.2
115	63.6	49.9	74.9

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.223 ng

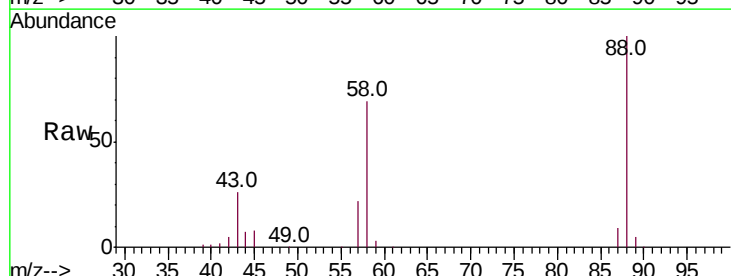
RT: 2.65 min Scan# 96

Delta R.T. 0.04 min

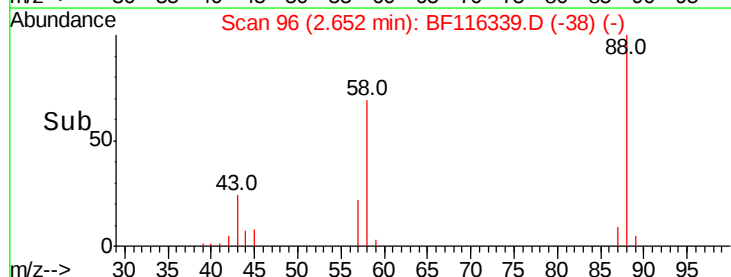
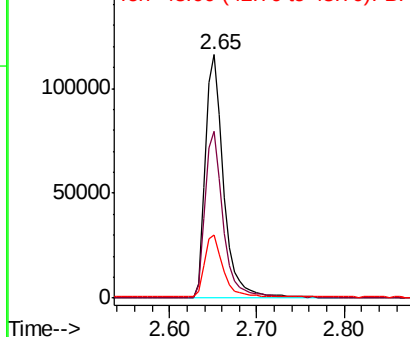
Lab File: BF116339.D

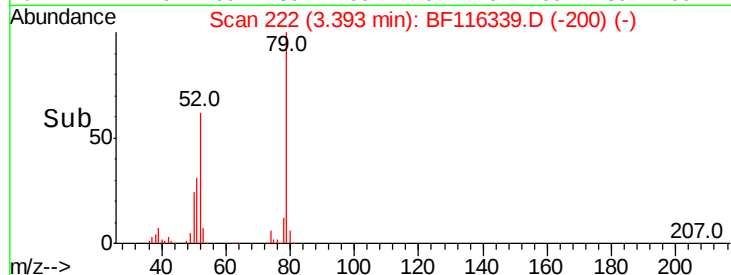
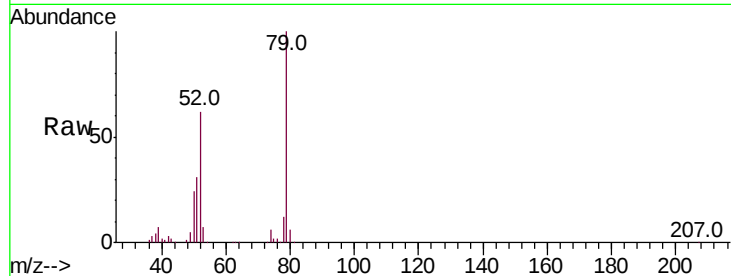
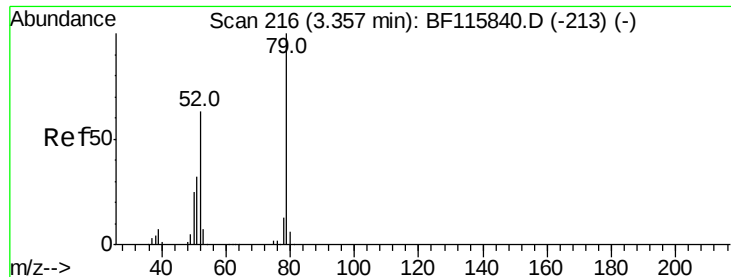
Acq: 17 Aug 2019 1:10

Tgt Ion:	88	Resp:	170555
Ion Ratio	Lower	Upper	
88	100		
58	68.8	53.7	80.5
43	25.5	21.0	31.4



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





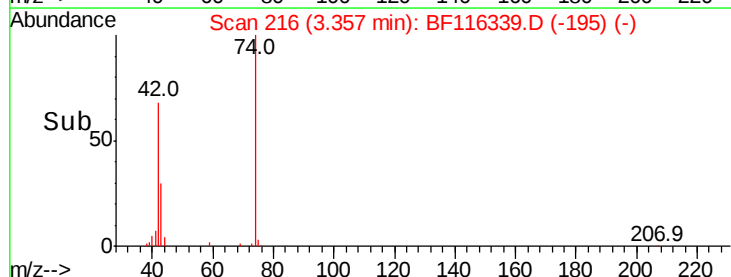
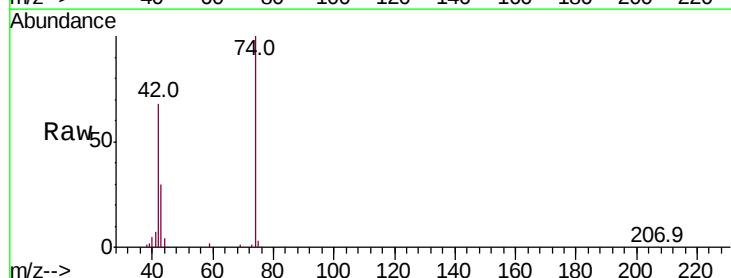
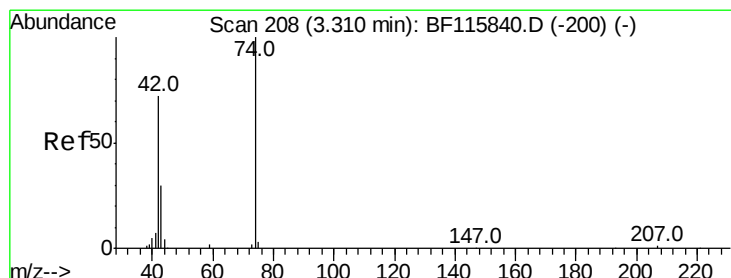
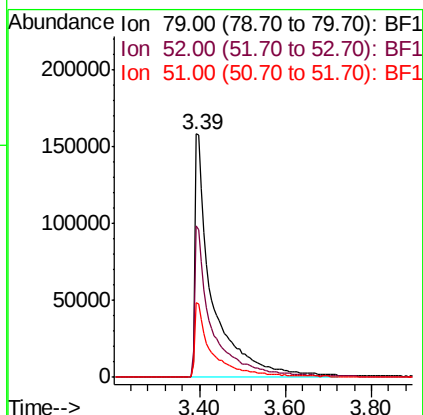
#3
Pvridine
Concen: 37.305 ng
RT: 3.39 min Scan# 222
Delta R.T. 0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	62.3	49.8	74.8	
51	30.7	25.2	37.8	

Instrument :
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ClientSampleId :
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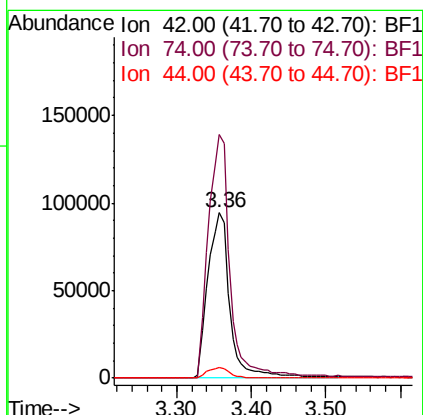
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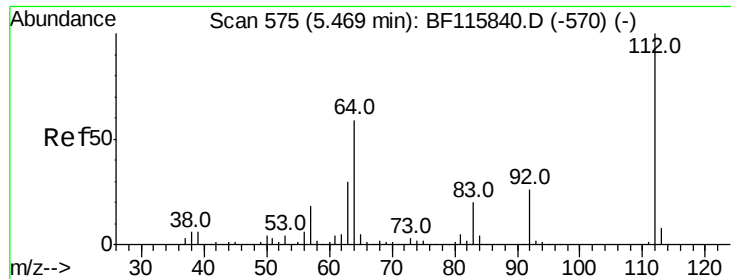
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#4
n-Nitrosodimethylamine
Concen: 41.900 ng
RT: 3.36 min Scan# 216
Delta R.T. 0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	147.4	116.0	174.0	
44	6.4	4.6	7.0	





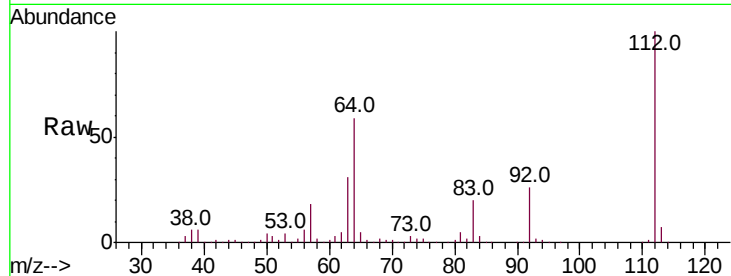
#5
2-Fluorophenol
Concen: 85.141 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

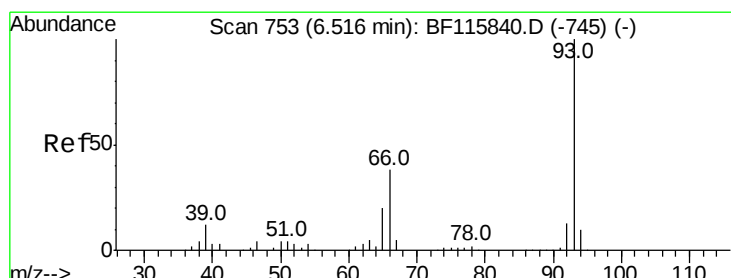
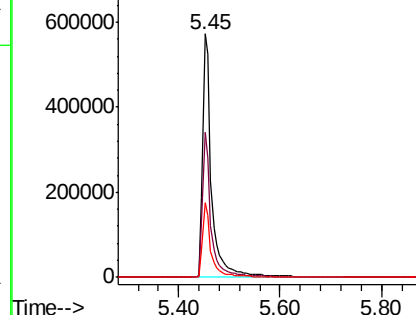
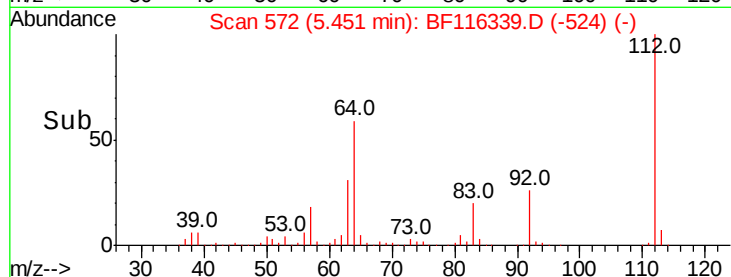
Tot Ion:	112	Resp:	714619
Ion Ratio	Lower	Upper	
112	100		
64	59.5	45.4	68.2
63	30.7	23.7	35.5

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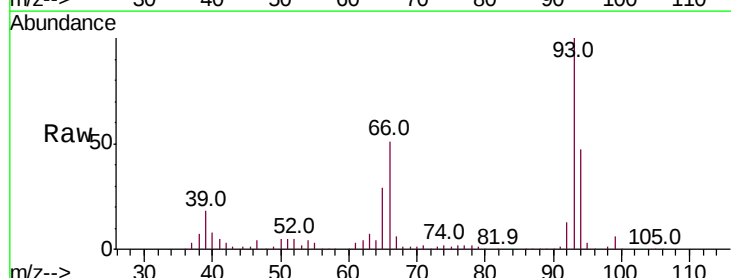


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

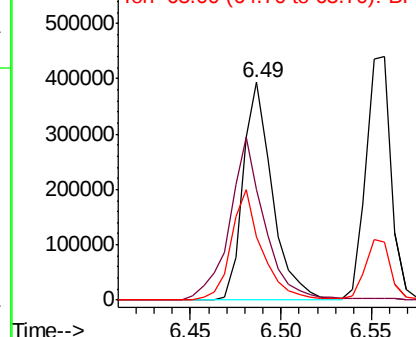
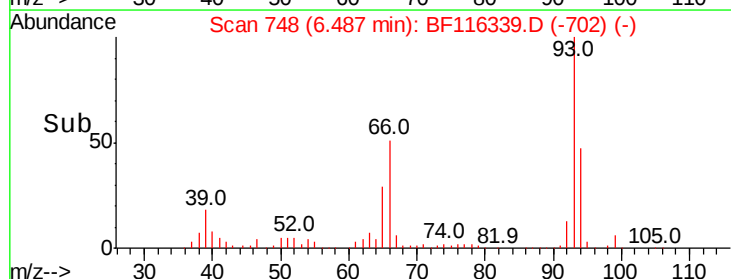


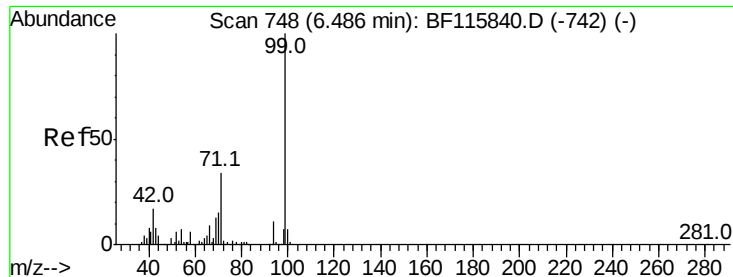
#6
Aniline
Concen: 29.210 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion:	93	Resp:	442985
Ion Ratio	Lower	Upper	
93	100		
66	50.8	32.2	48.4#
65	29.3	17.0	25.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 85.441 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

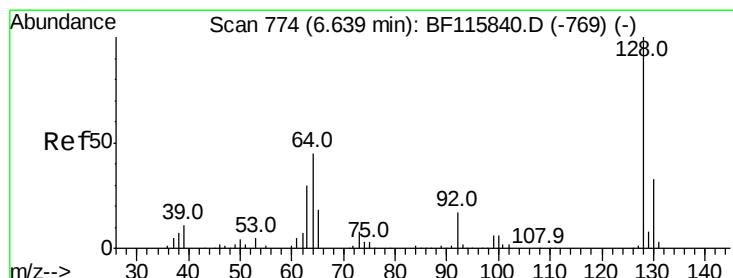
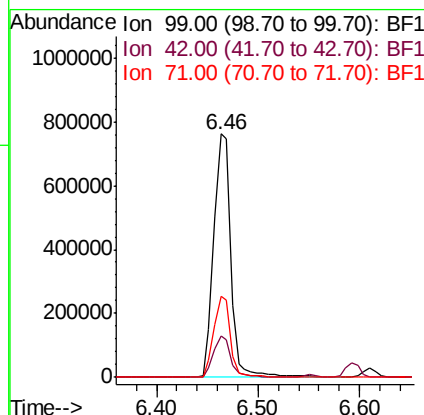
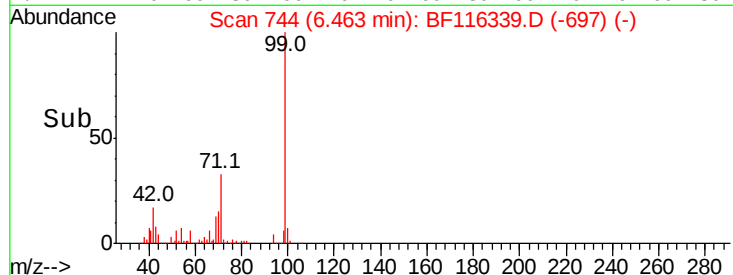
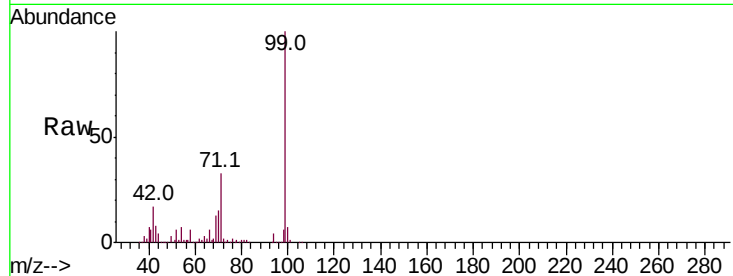
ClientSampleId :

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Tot Ion:	99	Resp:	904800
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.8	20.8
71	33.5	27.3	40.9

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#8

2-Chlorophenol

Concen: 47.796 ng

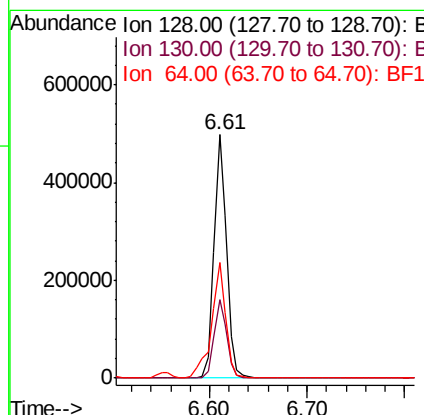
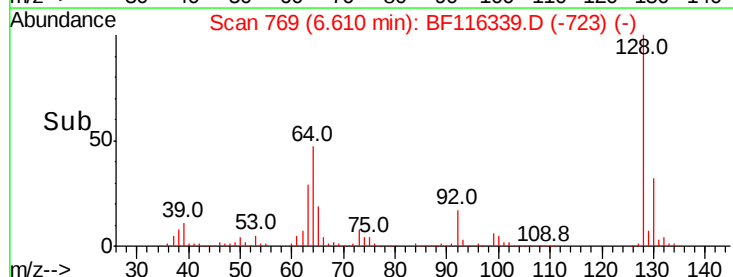
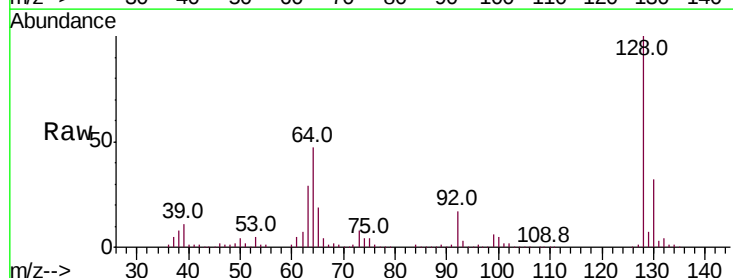
RT: 6.61 min Scan# 769

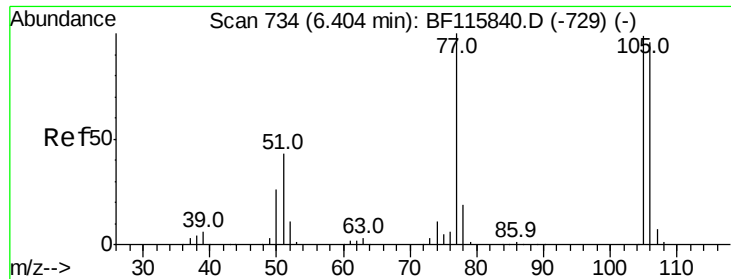
Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Tgt Ion:	128	Resp:	443616
Ion Ratio	Lower	Upper	
128	100		
130	32.4	12.9	52.9
64	47.4	24.3	64.3





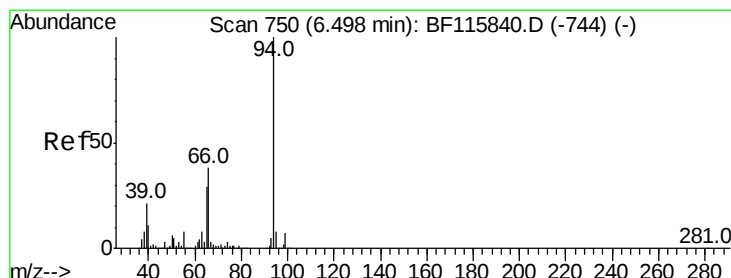
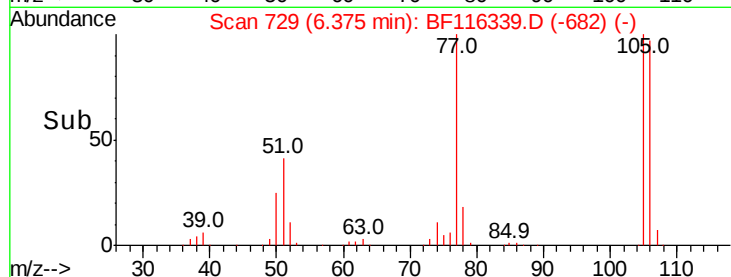
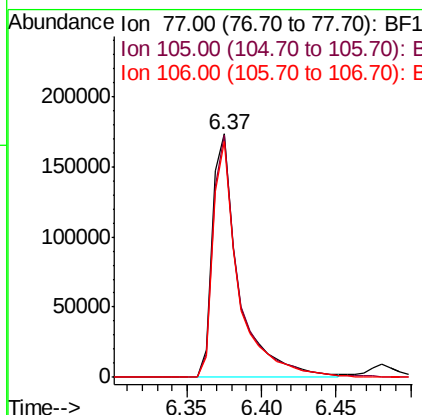
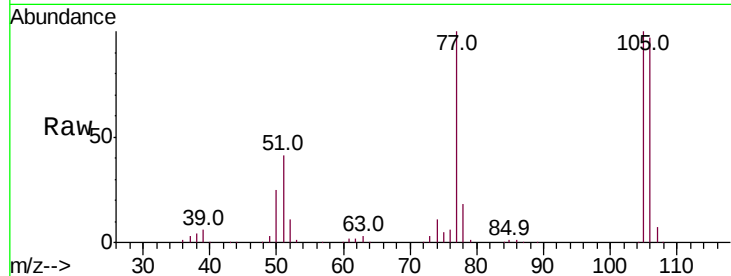
#9
Benzaldehyde
Concen: 29.002 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	99.7	79.2	119.2		
106	96.8	74.3	114.3		

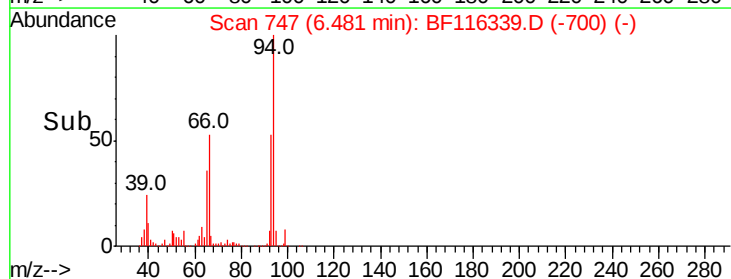
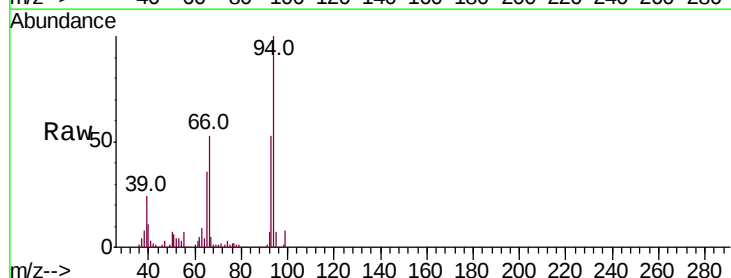
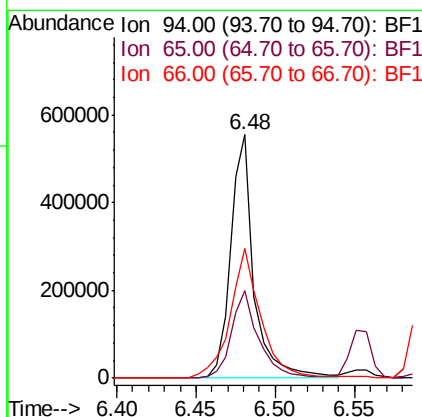
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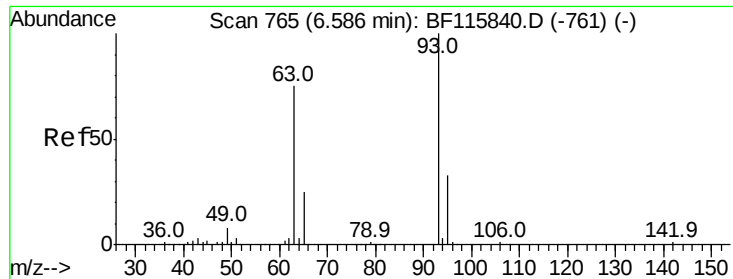
mohammad
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#10
Phenol
Concen: 45.180 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	35.8	16.8	56.8		
66	53.2	34.2	74.2		





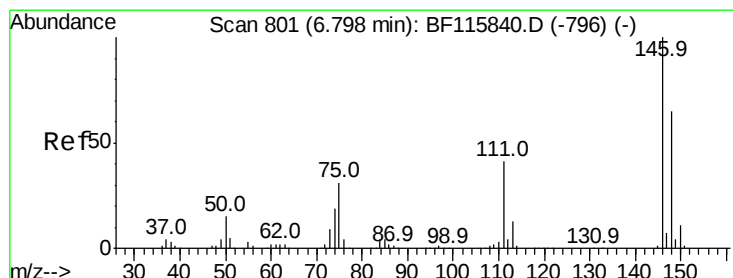
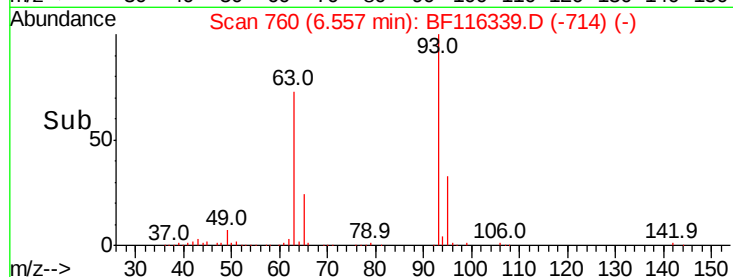
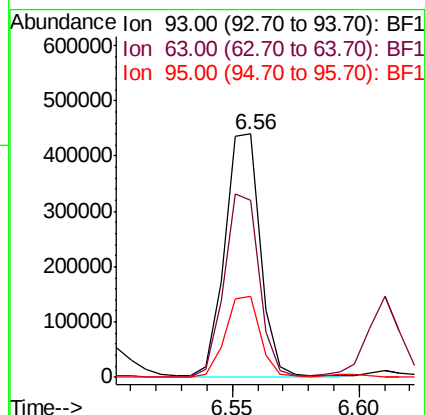
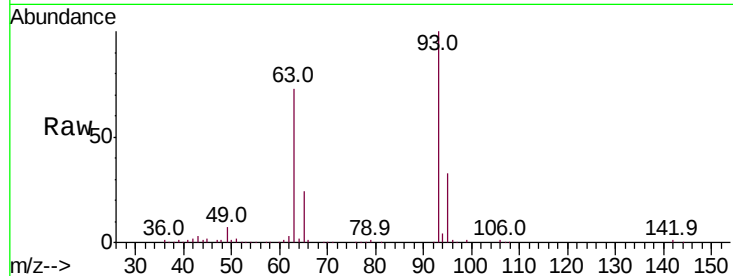
#11
bis(2-Chloroethyl)ether
Concen: 46.912 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	430111		
63	72.5	51.9	91.9	
95	33.1	13.0	53.0	

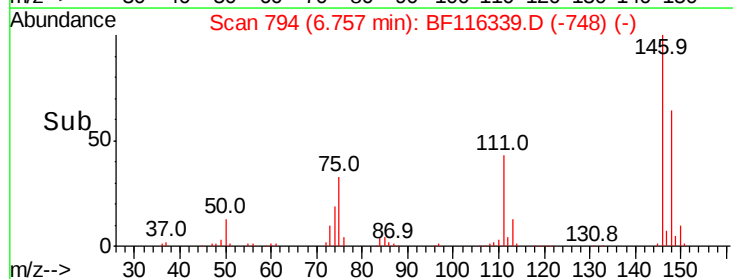
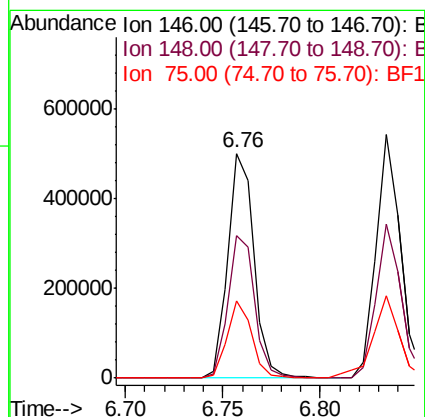
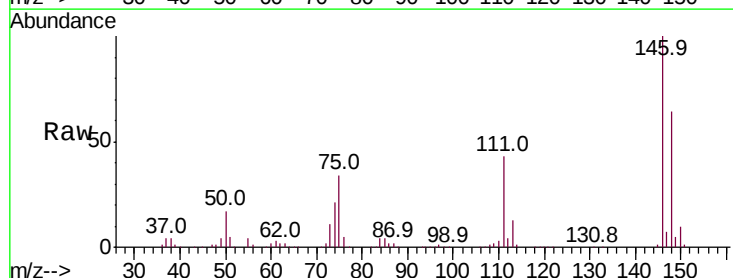
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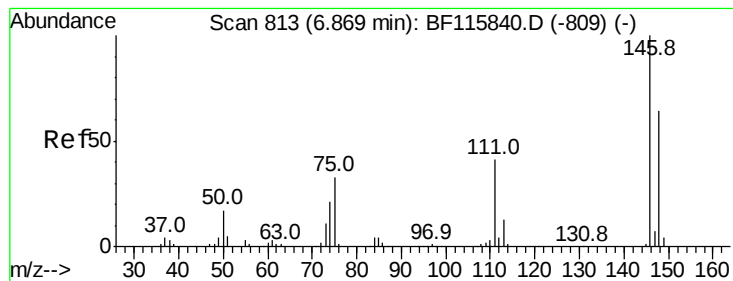
mohammad
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#12
1,3-Dichlorobenzene
Concen: 43.638 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	468075		
148	63.5	51.3	76.9	
75	34.3	27.4	41.2	





#13

1,4-Dichlorobenzene

Concen: 45.001 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

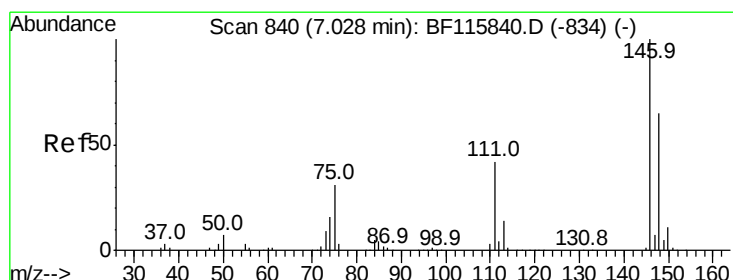
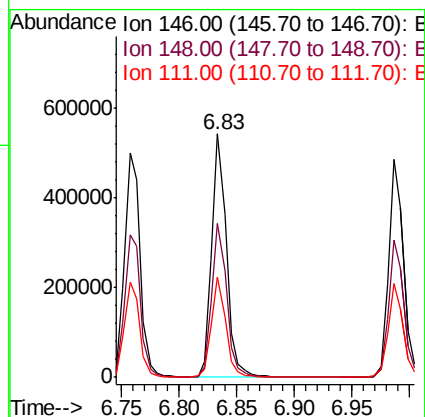
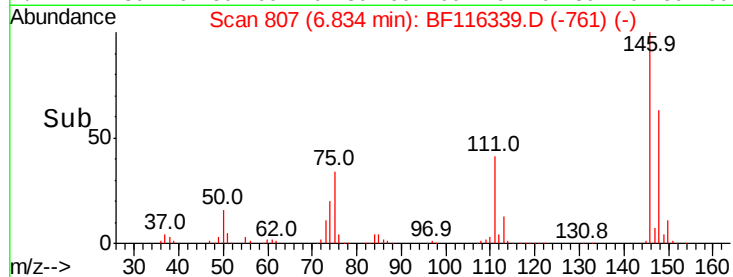
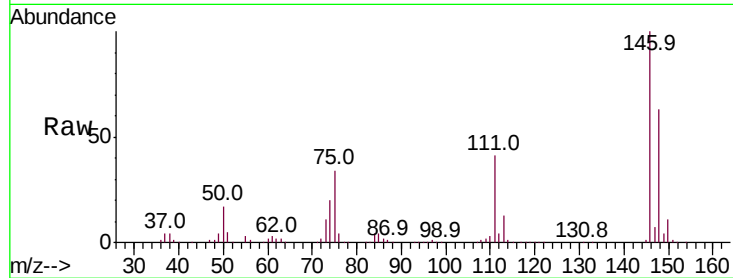
ClientSampleId :

RBR-200057-200054MSD

Tot Ion:	146	Resp:	483313
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.3	76.9
111	41.1	34.0	51.0

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#14

1,2-Dichlorobenzene

Concen: 44.874 ng

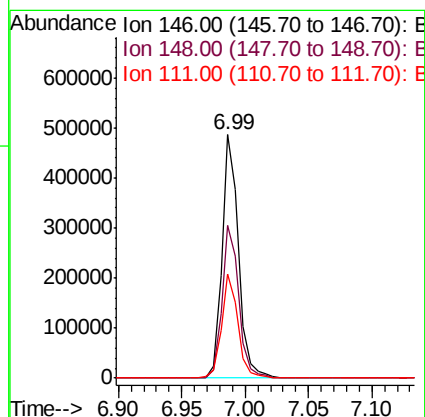
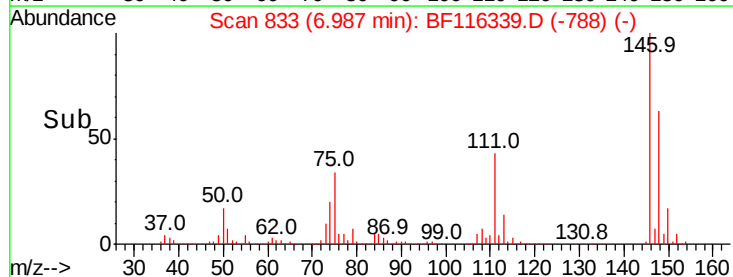
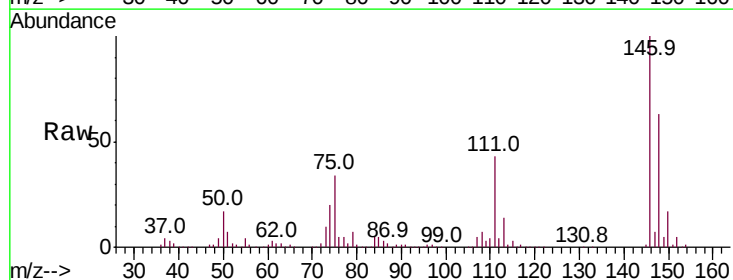
RT: 6.99 min Scan# 833

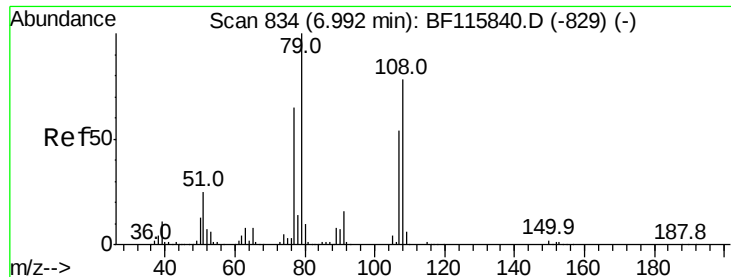
Delta R.T. -0.04 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Tgt Ion:	146	Resp:	443771
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.2	76.8
111	43.0	33.5	50.3





#15

Benzyl Alcohol

Concen: 44.580 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

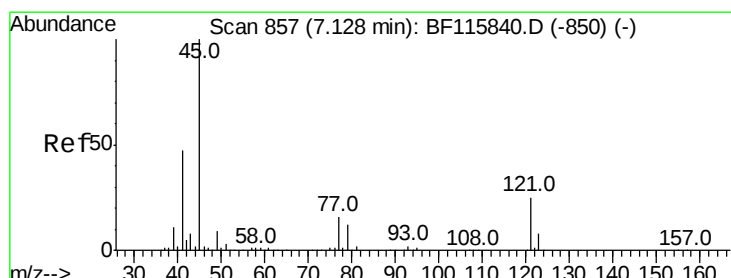
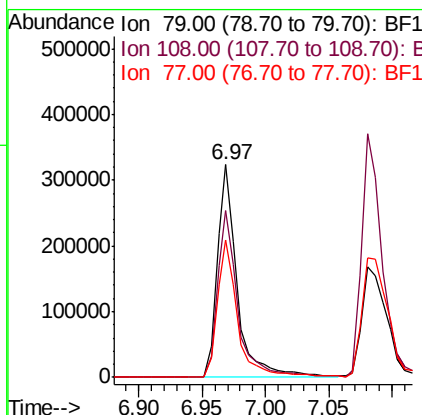
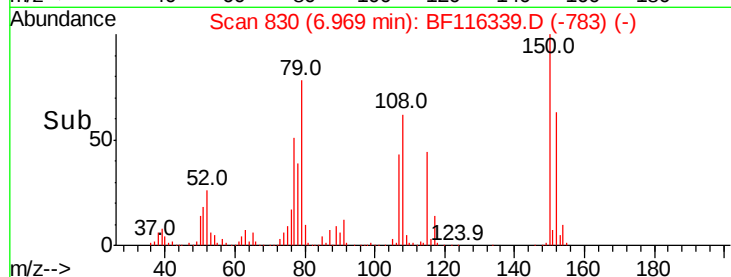
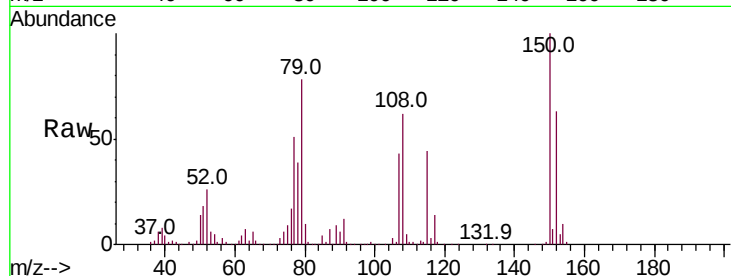
ClientSampleId :

RBR-200057-200054MSD

Tot Ion:	79	Resp:	358264
Ion Ratio	Lower	Upper	
79	100		
108	78.7	62.7	94.1
77	64.8	52.2	78.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 43.579 ng

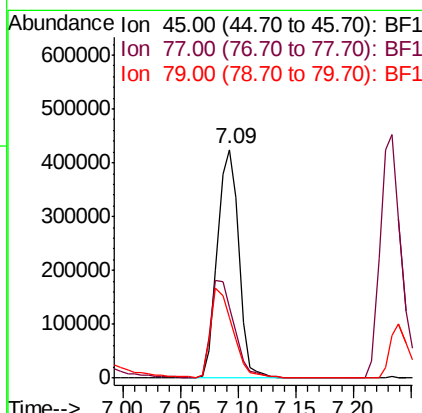
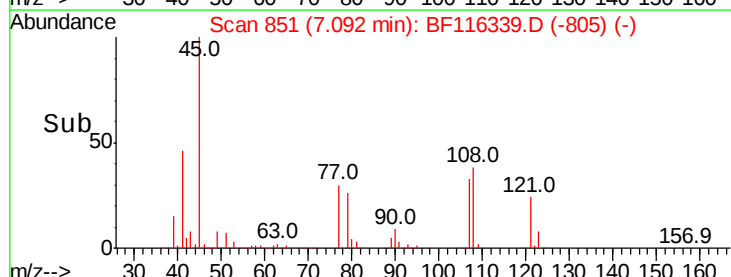
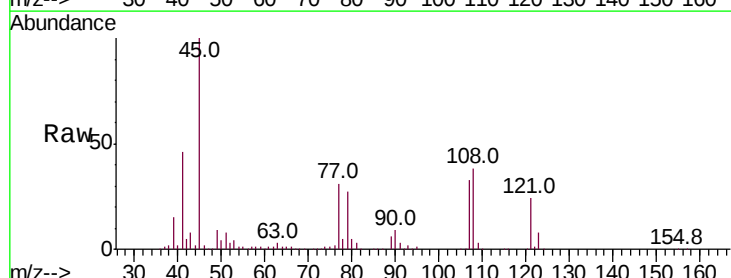
RT: 7.09 min Scan# 851

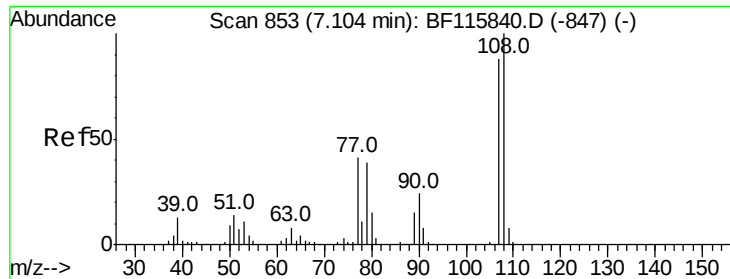
Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Tgt Ion:	45	Resp:	544987
Ion Ratio	Lower	Upper	
45	100		
77	30.8	0.0	40.0
79	26.6	0.0	35.9





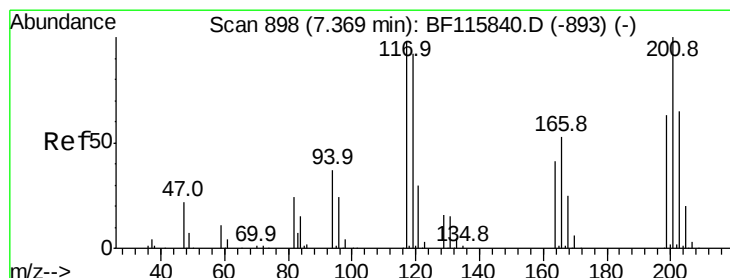
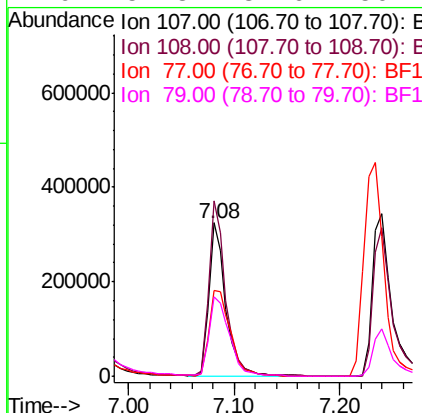
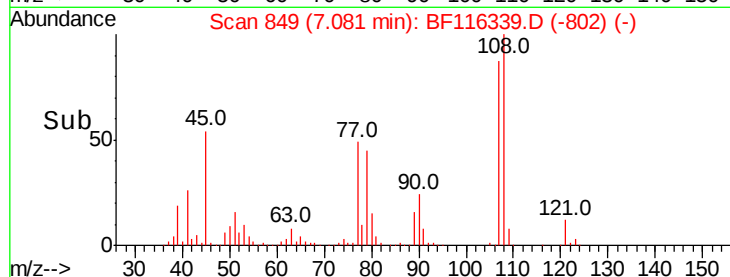
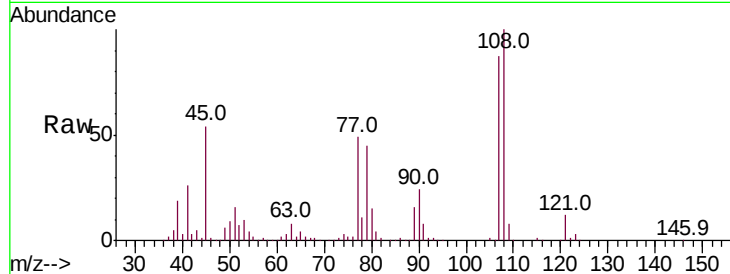
#17
2-Methylphenol
Concen: 45.738 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	359451		
108	108	114.3		91.2	136.8
77	77	56.3		40.3	60.5
79	79	51.8		37.6	56.4

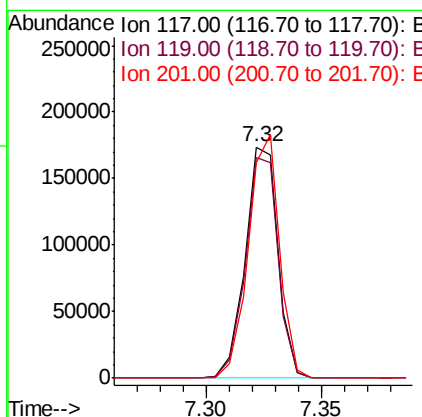
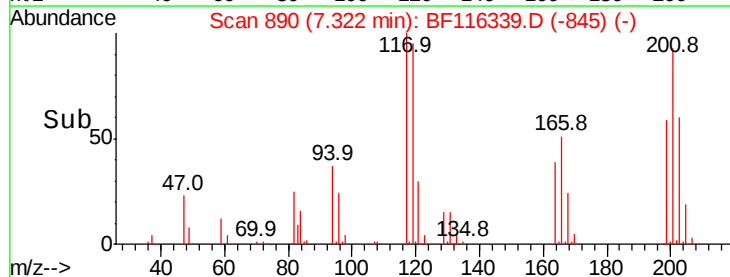
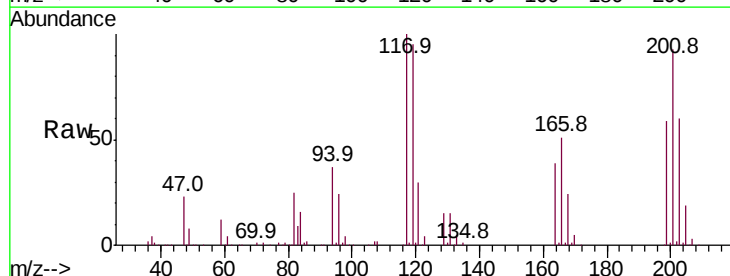
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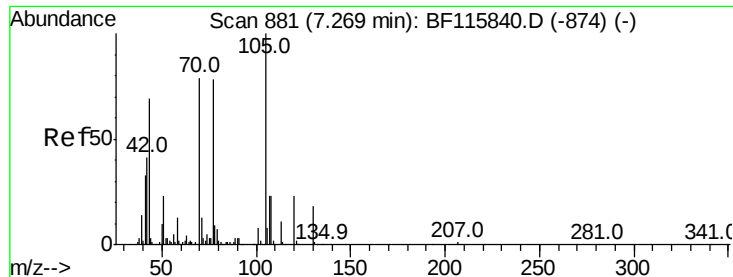
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#18
Hexachloroethane
Concen: 43.480 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	171928		
119	119	95.3		76.1	114.1
201	201	93.3		77.0	115.4





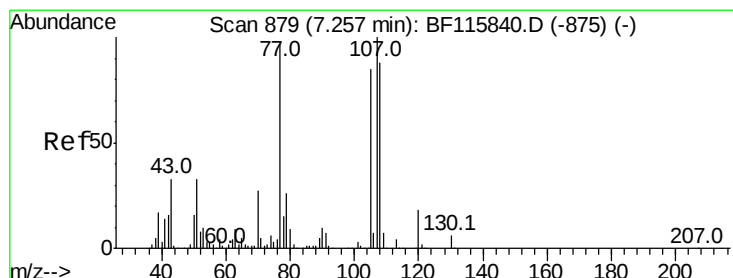
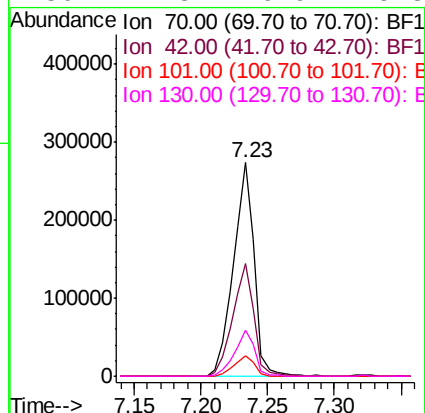
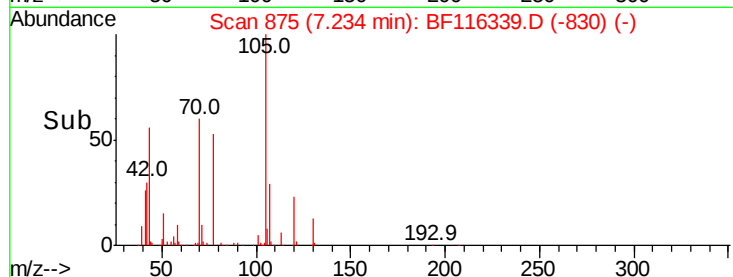
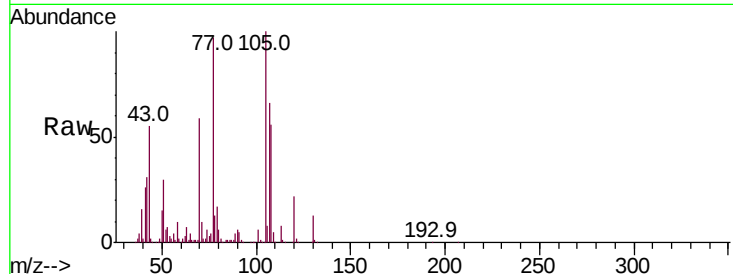
#19
n-Nitroso-di-n-propylamine
Concen: 45.697 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		299869		
42	52.7	40.9	61.3		
101	9.4	7.9	11.9		
130	21.3	16.9	25.3		

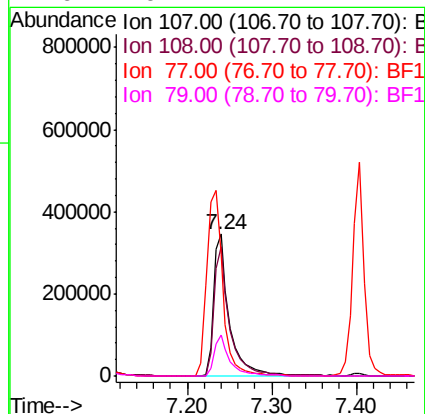
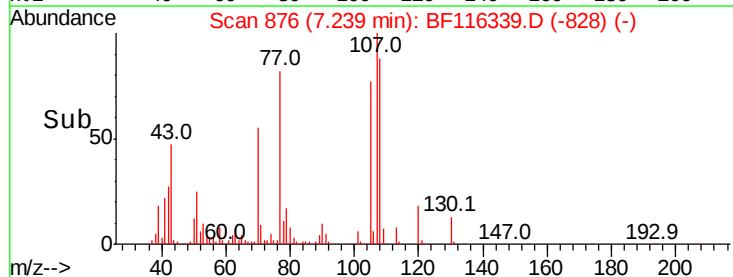
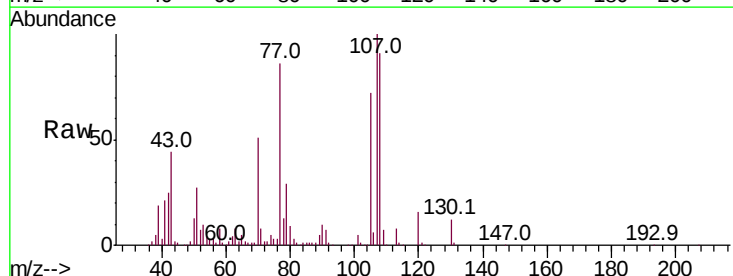
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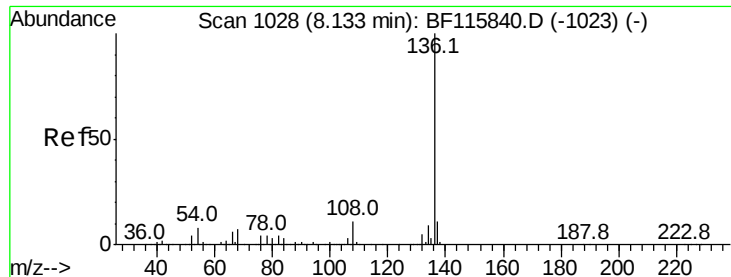
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#20
3+4-Methylphenols
Concen: 48.229 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		448539		
108	91.1	67.6	107.6		
77	85.6	104.4	144.4		
79	29.1	7.4	47.4		





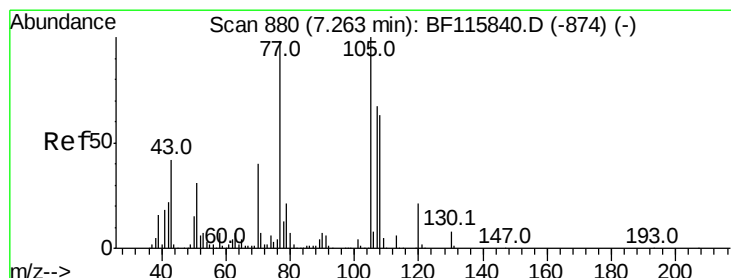
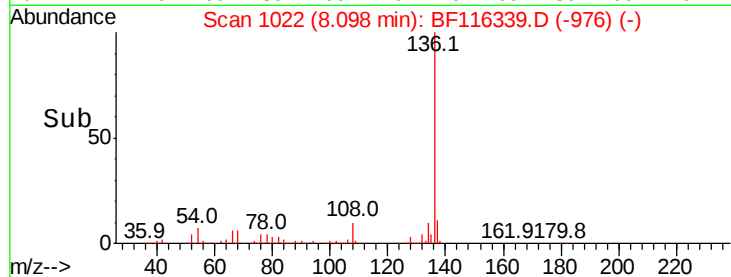
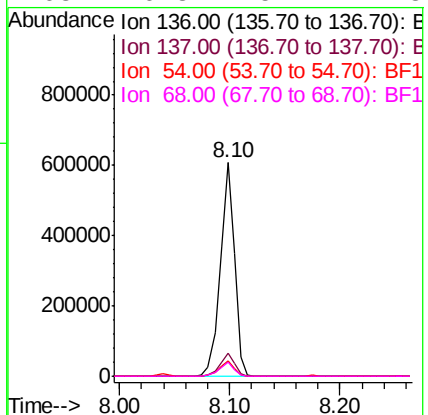
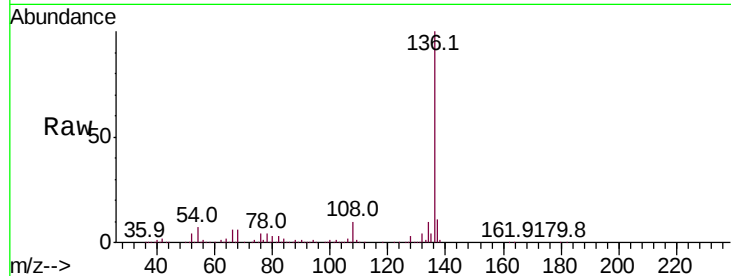
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	547595		
137	10.9		9.0	13.4
54	7.0		5.8	8.6
68	6.3		5.2	7.8

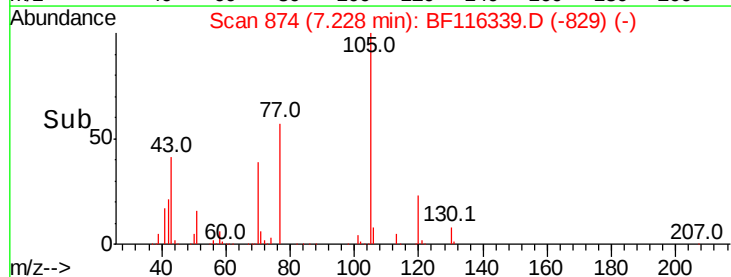
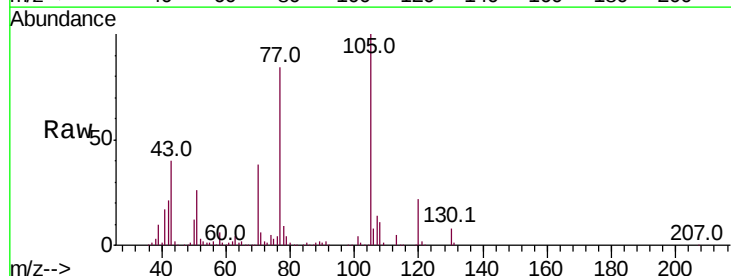
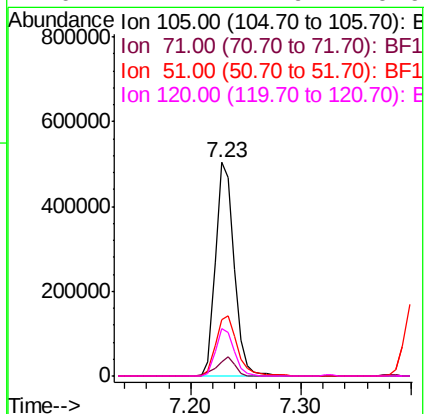
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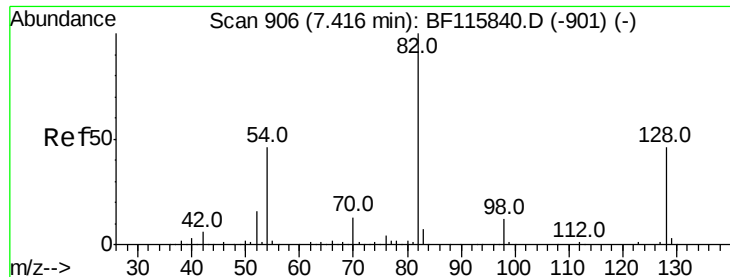
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#22
Acetophenone
Concen: 48.844 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	586588		
71	6.4		5.9	8.9
51	26.5		25.3	37.9
120	22.2		17.9	26.9





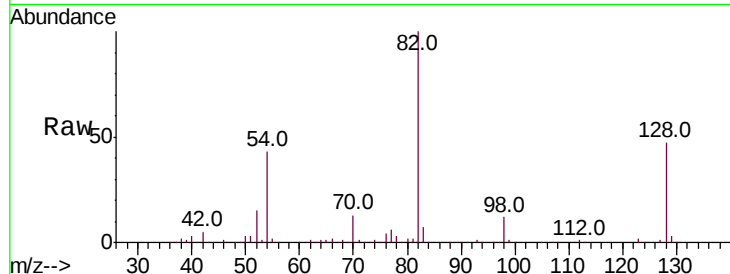
#23
Nitrobenzene-d5
Concen: 61.157 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

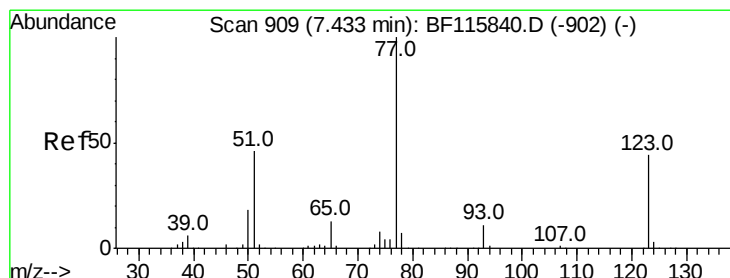
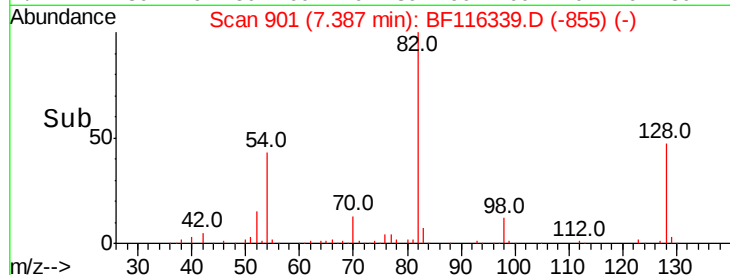
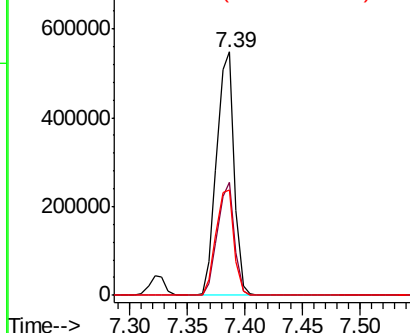
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.6	36.5	54.7	
54	43.2	36.0	54.0	

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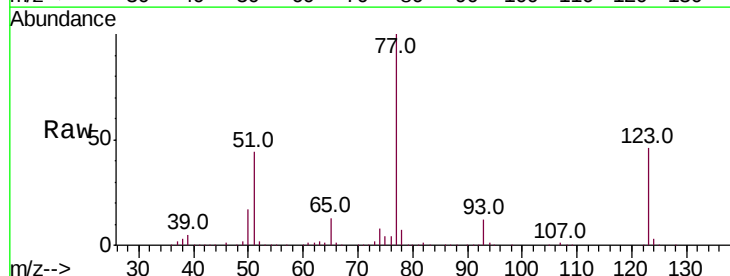


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

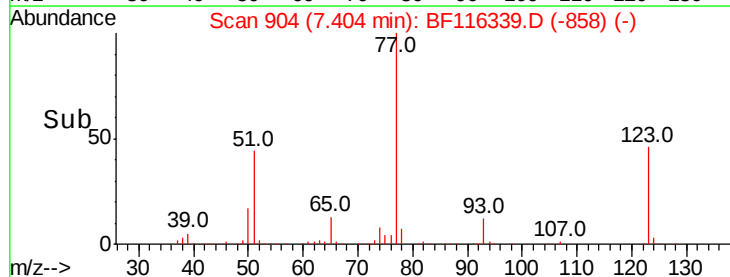
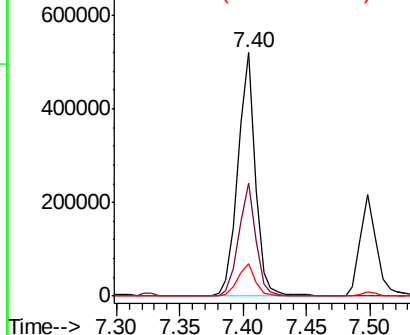


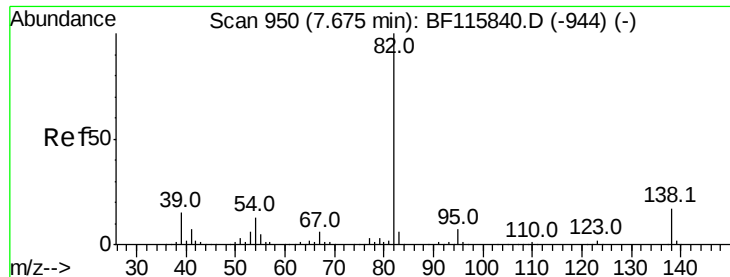
#24
Nitrobenzene
Concen: 47.500 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	46.2	36.7	55.1	
65	13.1	10.6	16.0	



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 48.390 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.04 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

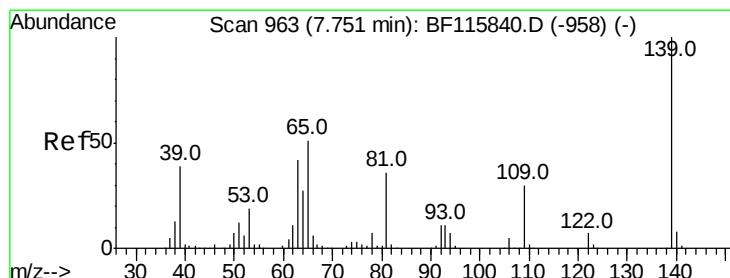
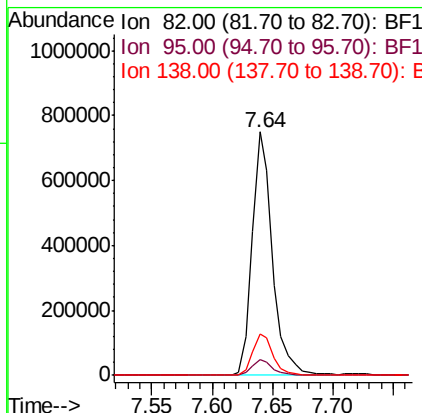
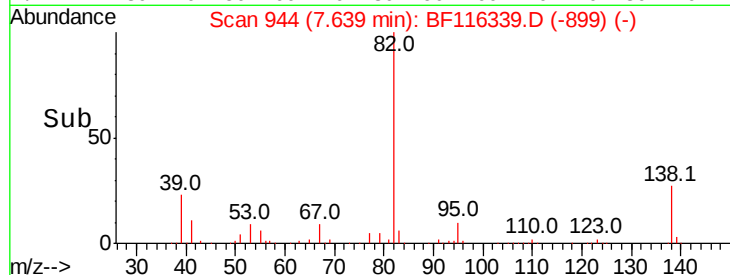
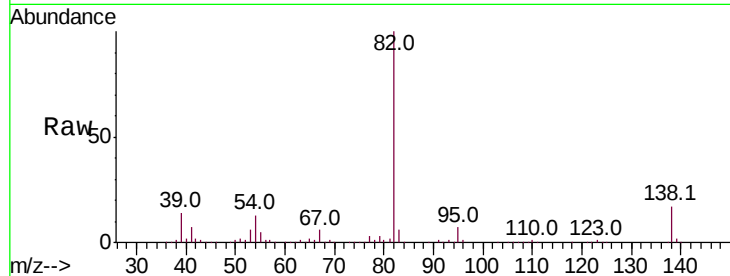
ClientSampleId :

RBR-200057-200054MSD

Tot Ion:	82	Resp:	877778
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.4	8.0
138	17.1	14.5	21.7

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#26

2-Nitrophenol

Concen: 49.379 ng

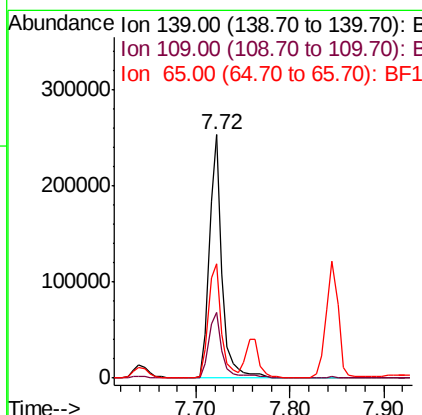
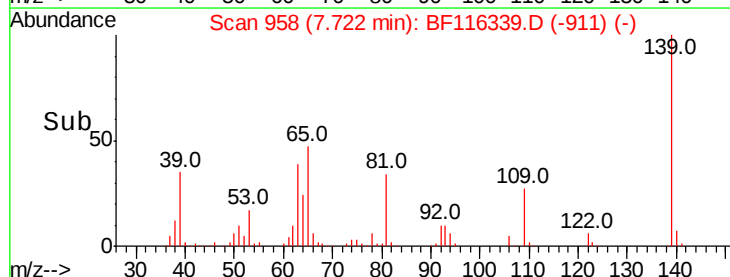
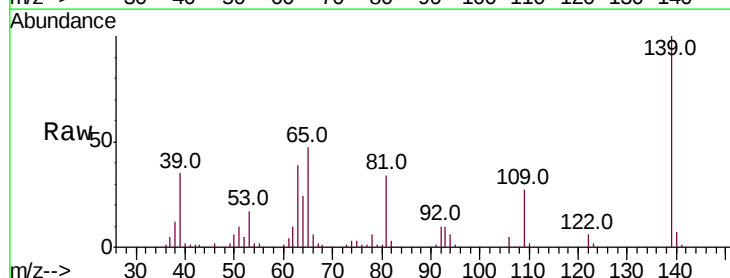
RT: 7.72 min Scan# 958

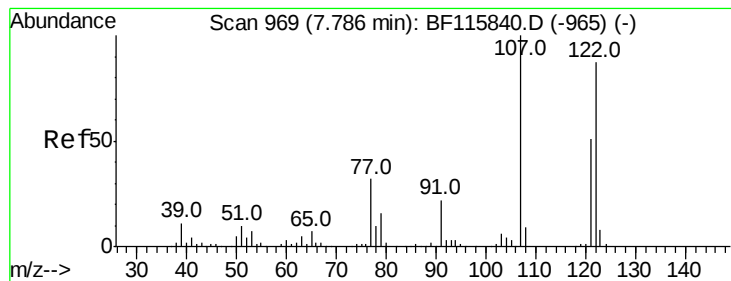
Delta R.T. -0.02 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Tgt Ion:	139	Resp:	238429
Ion Ratio	Lower	Upper	
139	100		
109	27.2	23.4	35.2
65	46.9	41.1	61.7





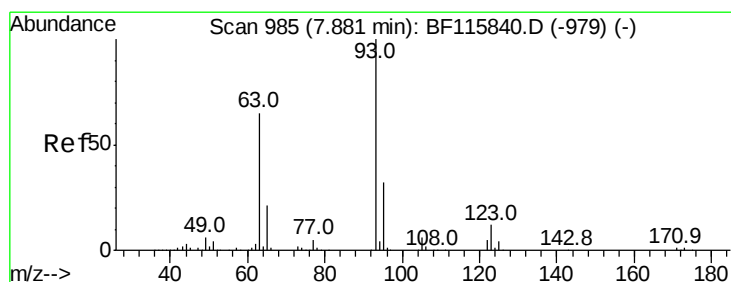
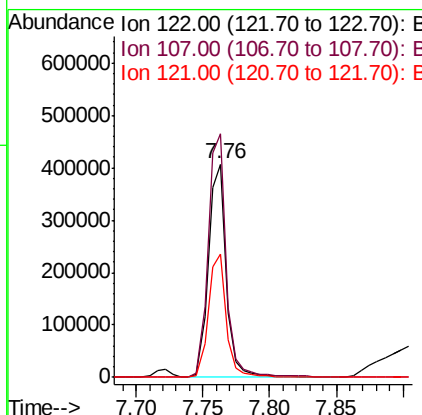
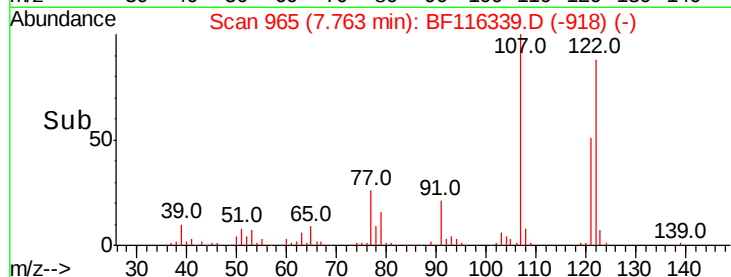
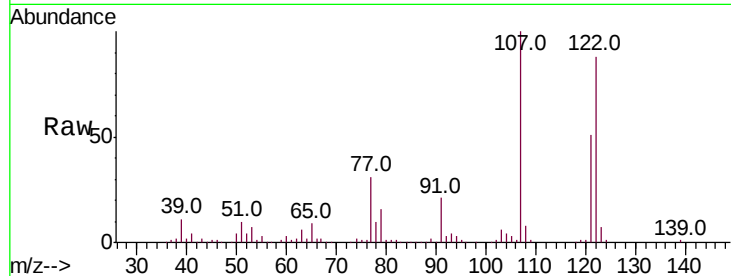
#27
2,4-Dimethylphenol
Concen: 52.610 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	114.2	93.0	139.6	
121	58.0	47.6	71.4	

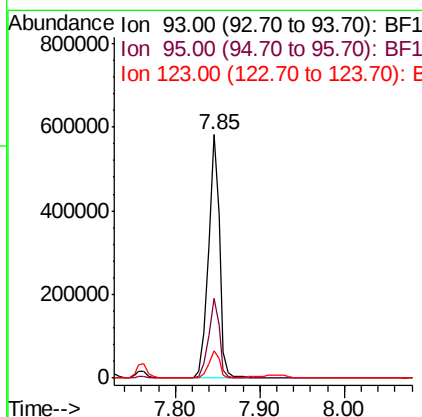
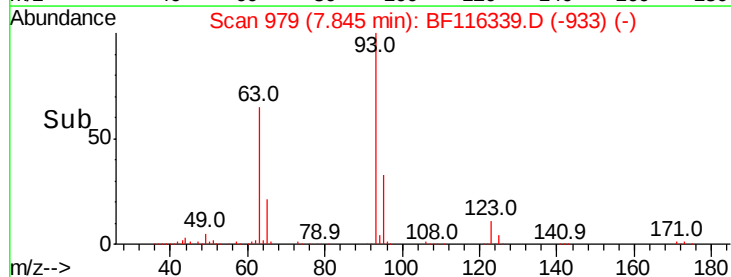
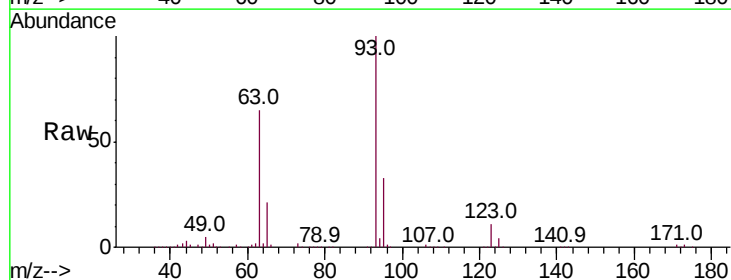
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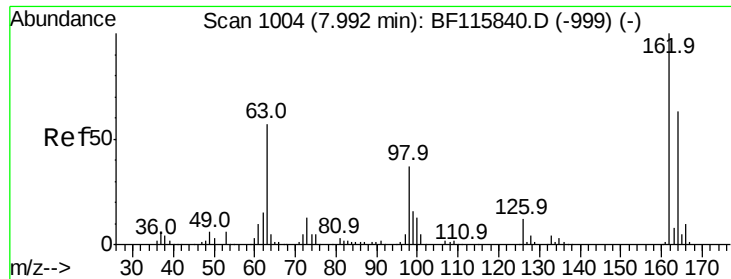
mohammad
8/20/2019 8:37:16 AM



#28
bis(2-Chloroethoxy)methane
Concen: 47.716 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.8	26.2	39.4	
123	11.3	9.2	13.8	





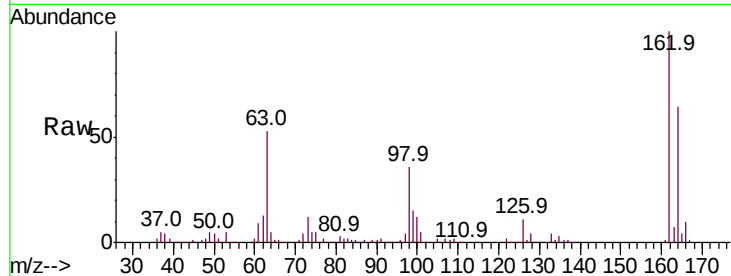
#29
 2,4-Dichlorophenol
 Concen: 49.167 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	377120		
164	64.2	45.1	85.1	
98	35.8	15.8	55.8	

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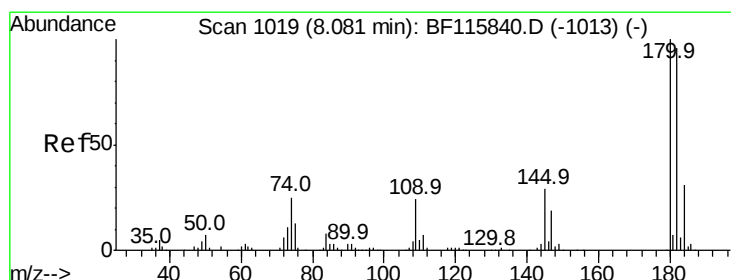
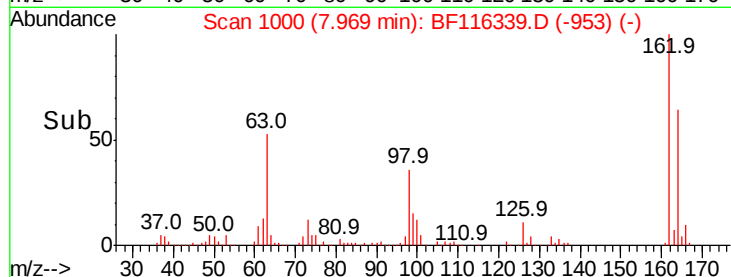
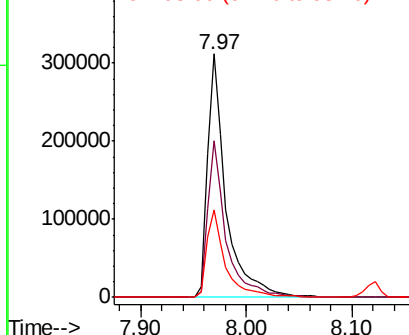


Abundance

Ion 162.00 (161.70 to 162.70): E

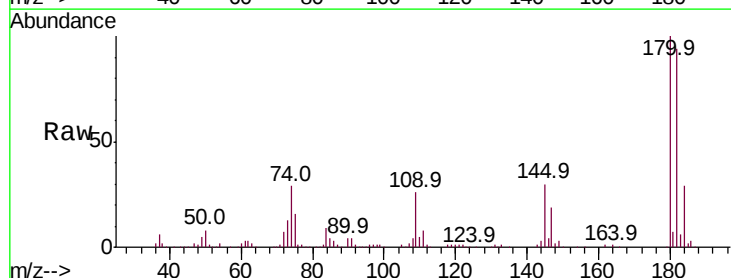
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 45.753 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	400038		
182	94.1	75.7	113.5	
145	30.2	24.3	36.5	

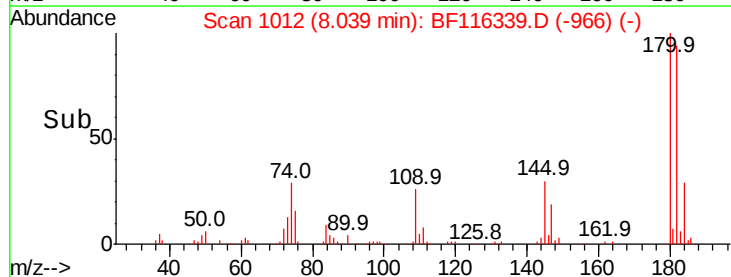
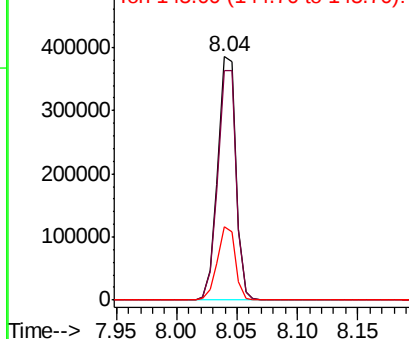


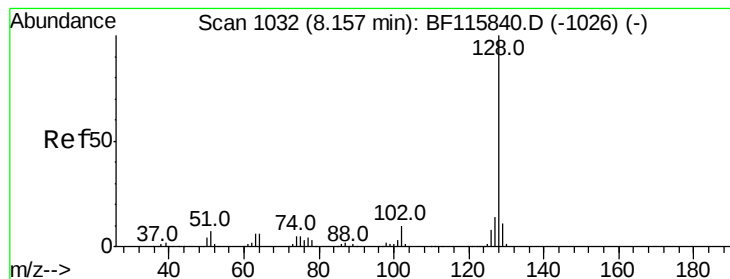
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 47.831 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054MSD

Tot Ion:128 Resp: 1232533

Ion Ratio Lower Upper

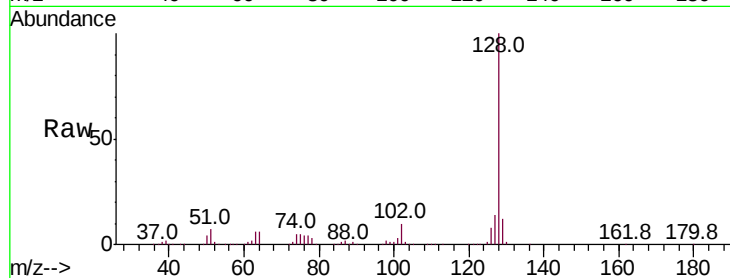
128 100

129 11.6 9.3 13.9

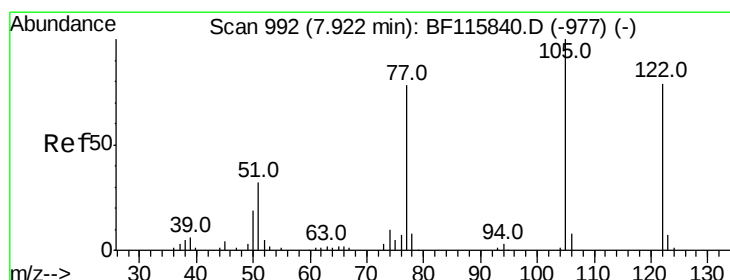
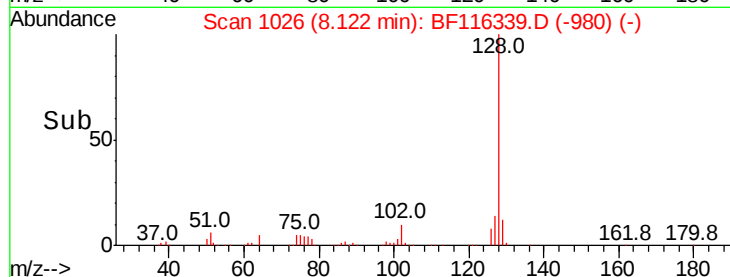
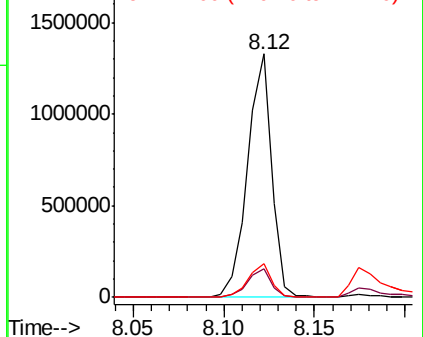
127 13.7 11.4 17.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.418 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

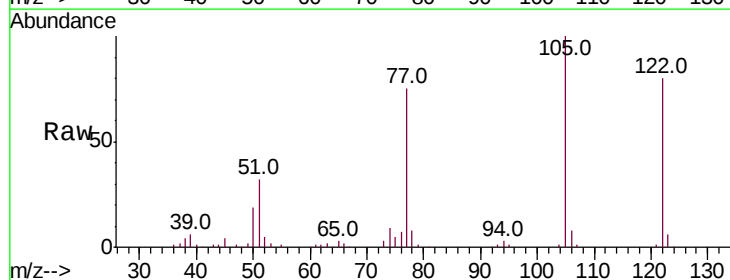
Tgt Ion:122 Resp: 237736

Ion Ratio Lower Upper

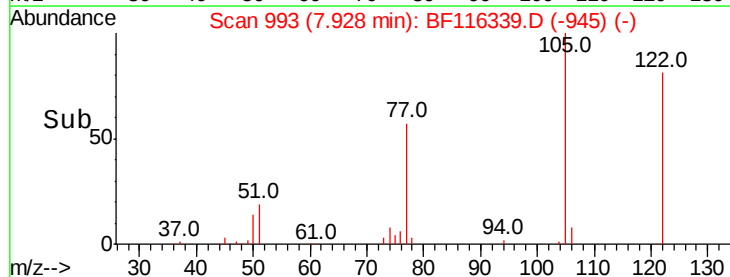
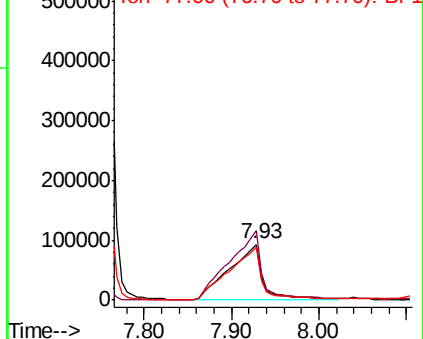
122 100

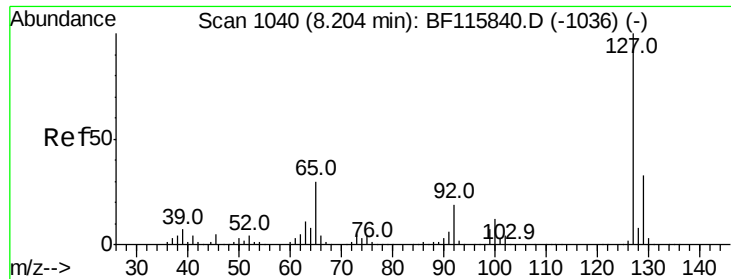
105 124.6 106.1 146.1

77 93.9 76.7 116.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





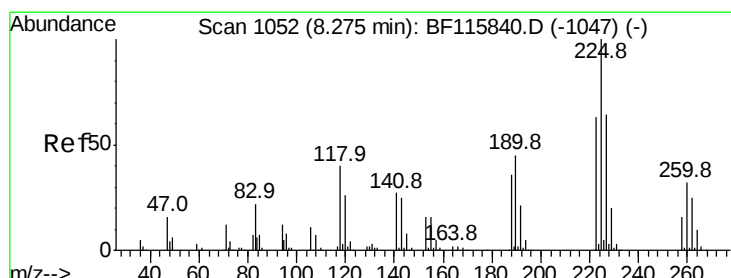
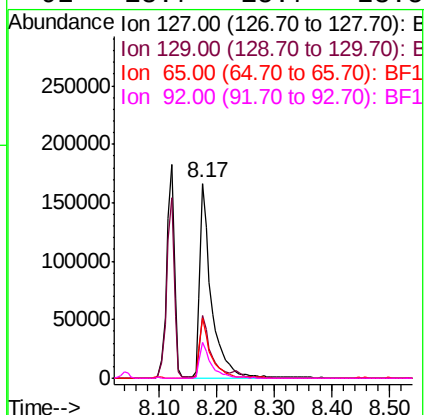
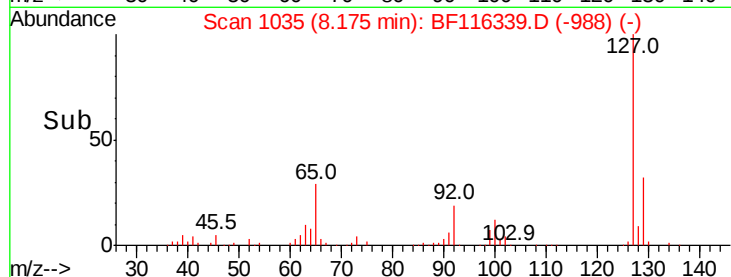
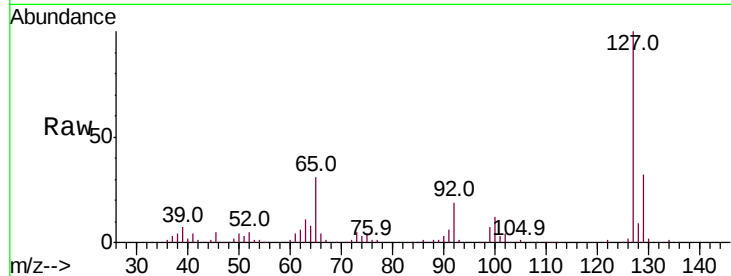
#33
4-Chloroaniline
Concen: 20.494 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	30.8	24.9	37.3
92	18.7	15.7	23.5

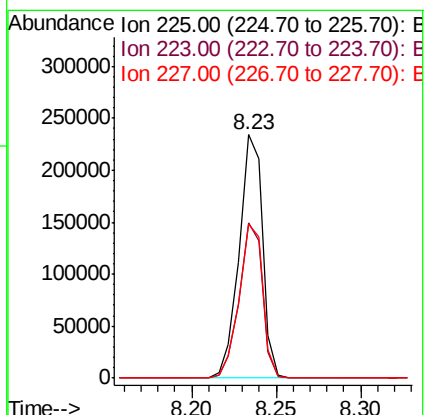
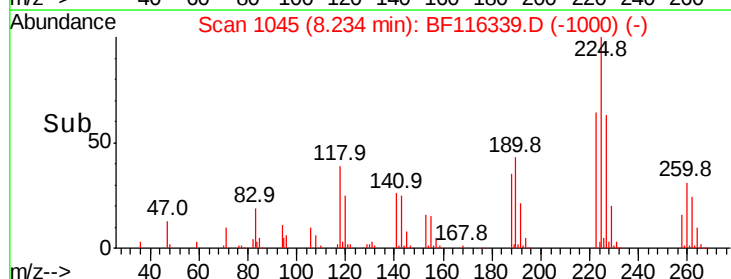
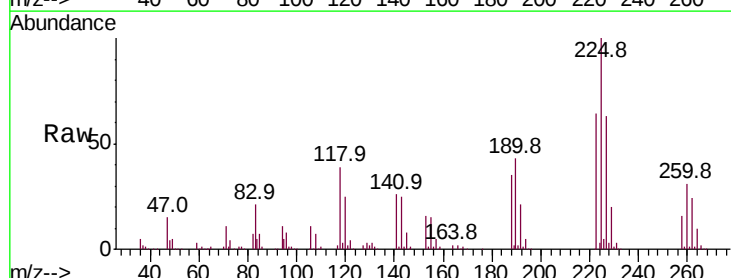
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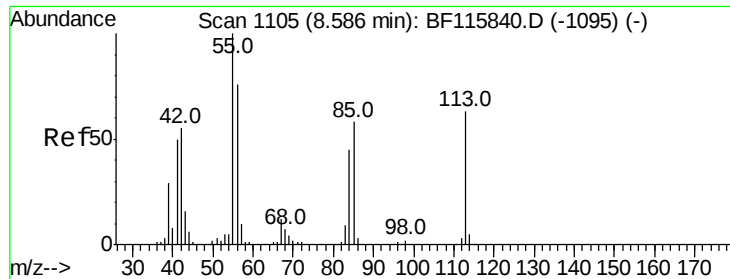
mohammad
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#34
Hexachlorobutadiene
Concen: 44.956 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.0	75.0
227	63.1	51.0	76.4





#35

Caprolactam

Concen: 46.887 ng/mL

RT: 8.55 min Scan# 1099

Delta R.T. -0.04 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

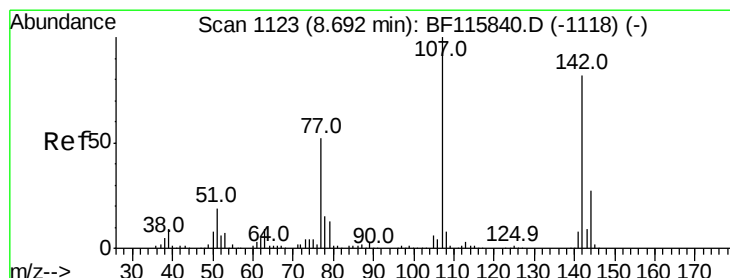
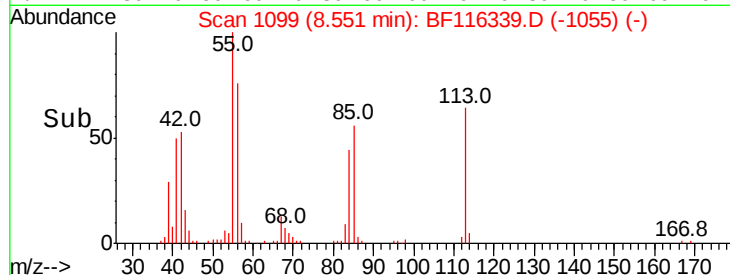
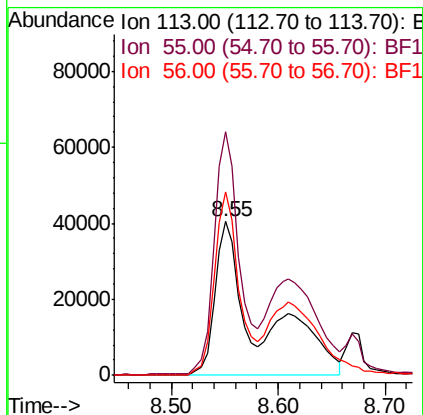
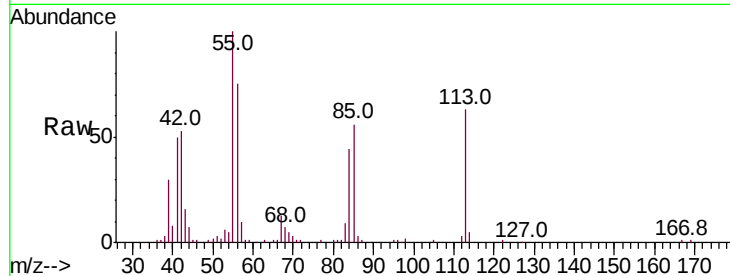
ClientSampleId :

RBR-200057-200054MSD

Tot Ion:	113	Resp:	116315
Ion Ratio	Lower	Upper	
113	100		
55	158.6	144.3	184.3
56	119.3	97.1	137.1

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#36

4-Chloro-3-methylphenol

Concen: 47.632 ng/mL

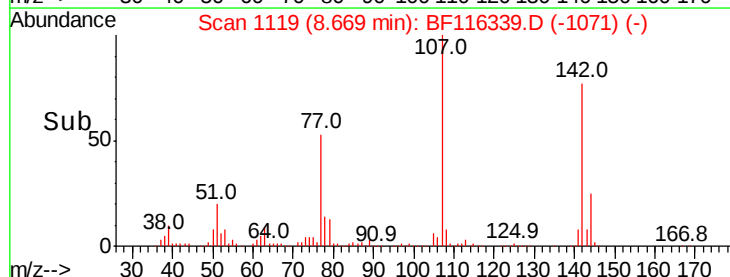
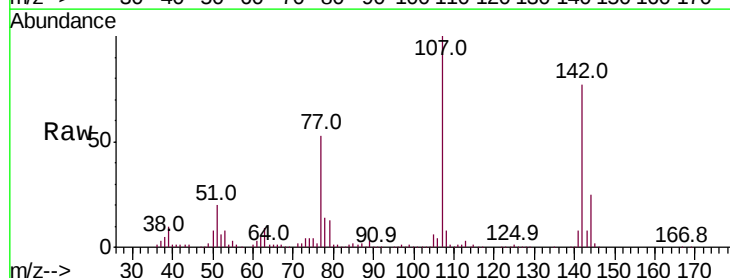
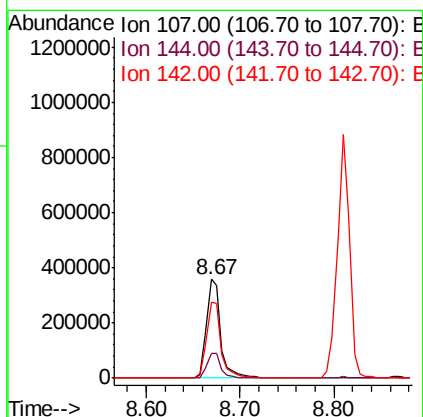
RT: 8.67 min Scan# 1119

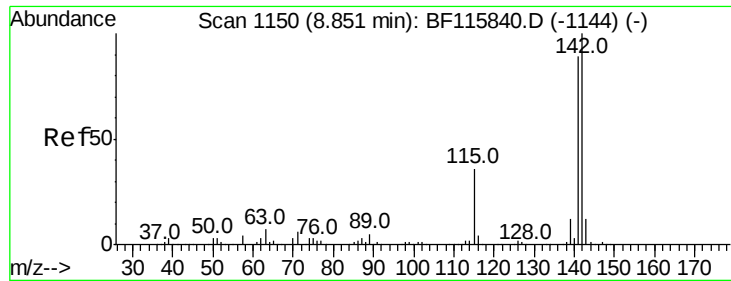
Delta R.T. -0.02 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Tgt Ion:	107	Resp:	380080
Ion Ratio	Lower	Upper	
107	100		
144	24.8	20.2	30.2
142	77.0	61.7	92.5





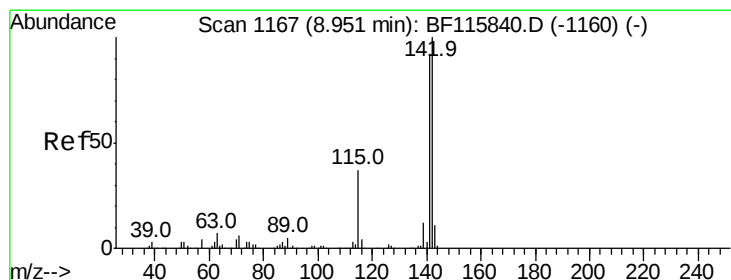
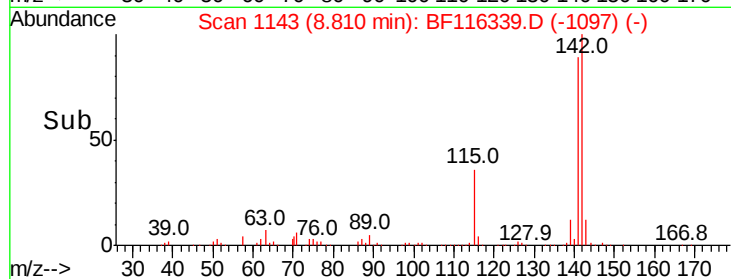
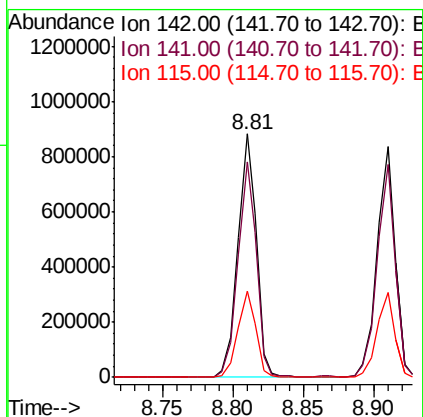
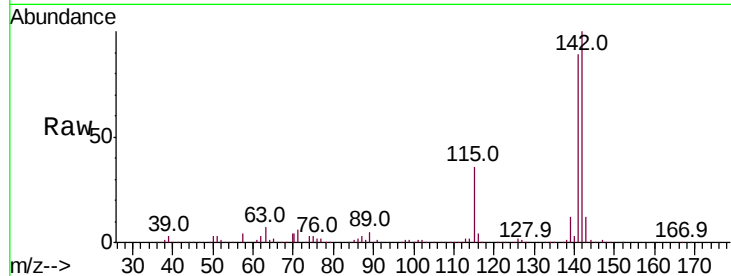
#37
2-Methylnaphthalene
Concen: 47.238 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3
115	35.5	29.0	43.6

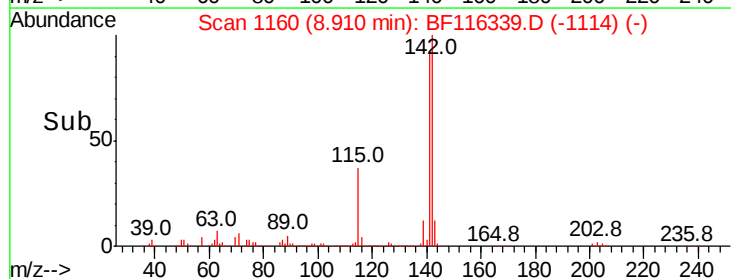
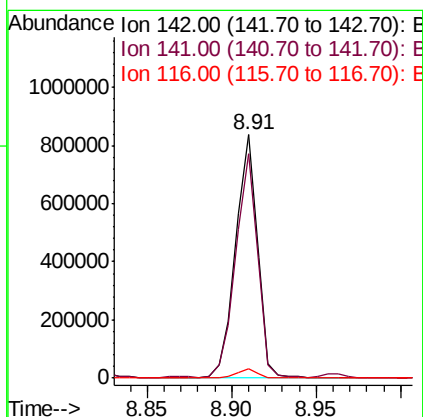
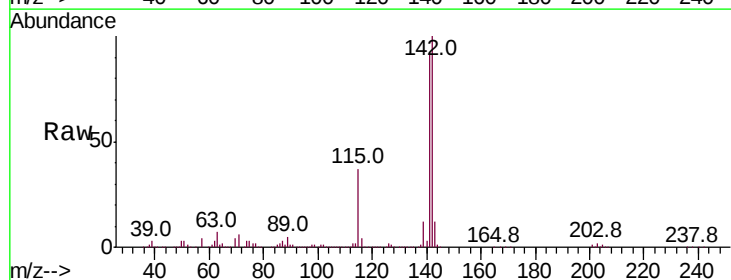
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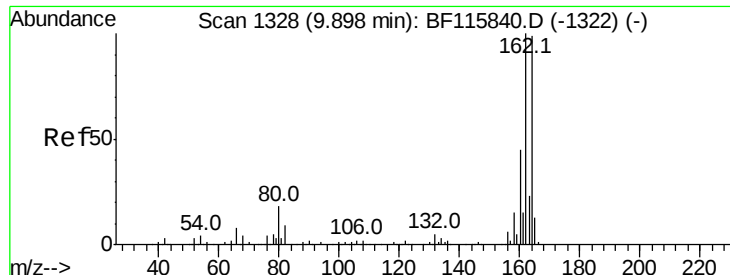
mohammad
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#38
1-Methylnaphthalene
Concen: 46.708 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.4	111.6
116	3.9	3.1	4.7





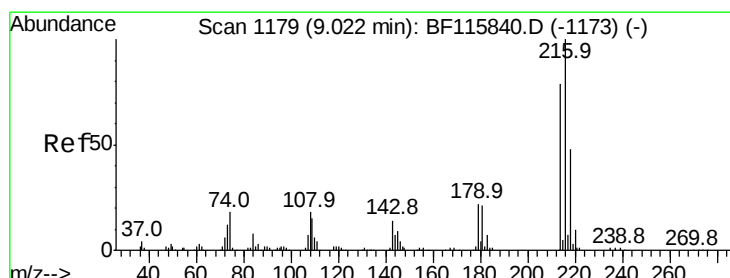
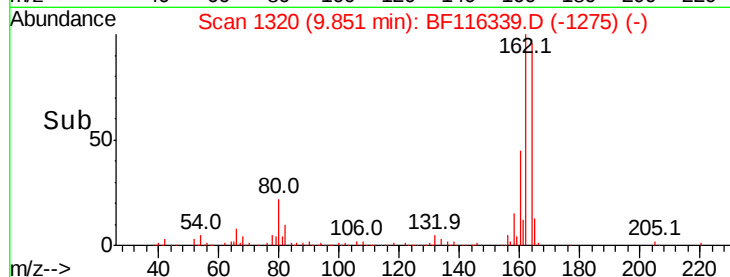
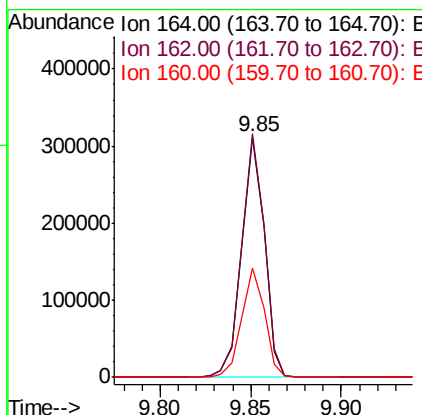
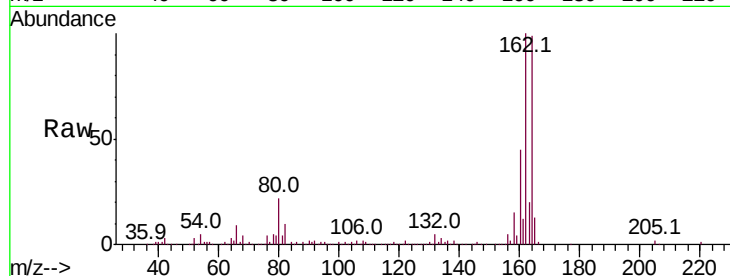
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.6	124.0
160	45.4	37.6	56.4

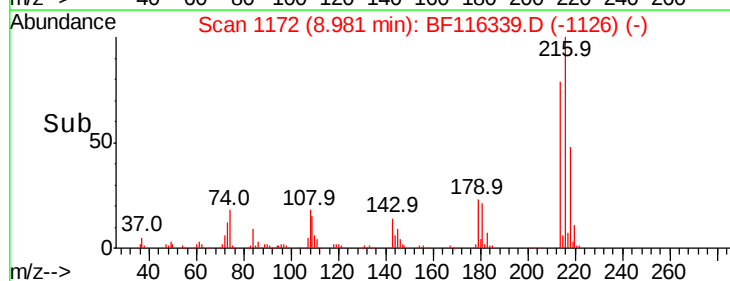
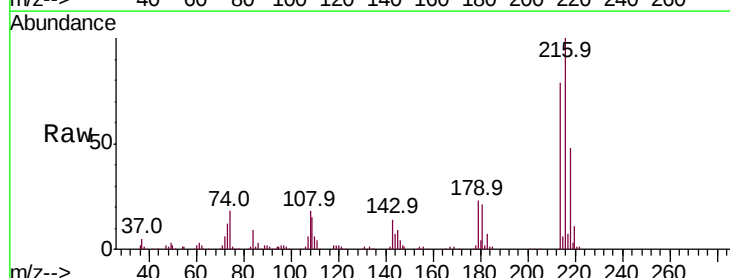
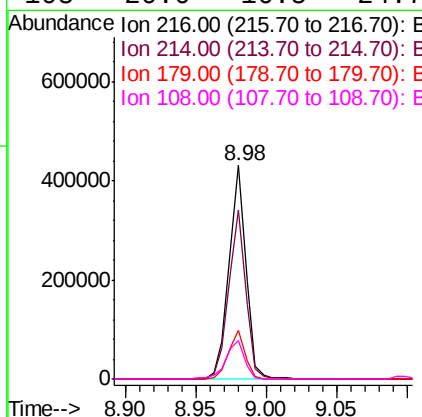
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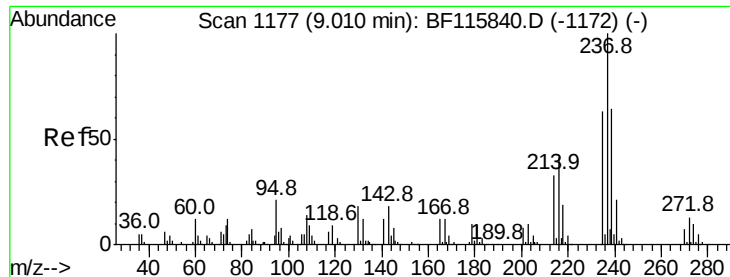
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.543 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.6	95.4
179	22.4	17.8	26.8
108	20.0	16.5	24.7





#41

Hexachlorocyclopentadiene

Concen: 30.660 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

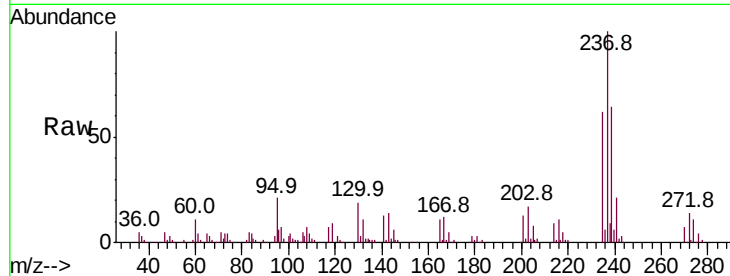
ClientSampleId :

RBR-200057-200054MSD

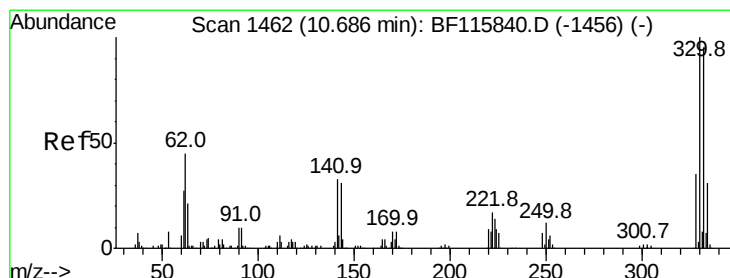
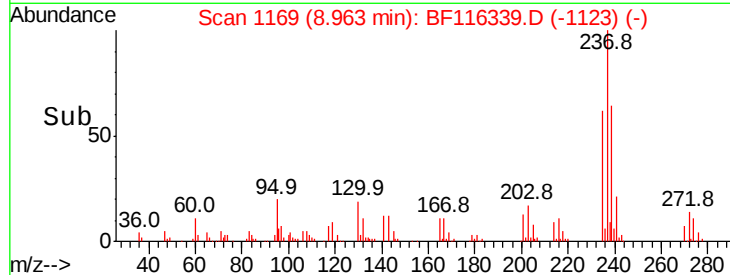
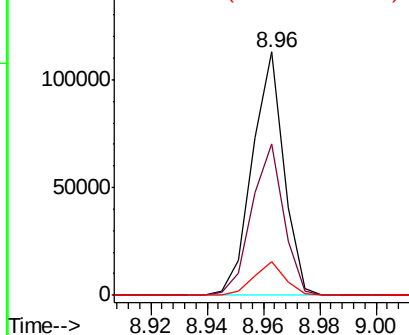
Tot Ion:	237	Resp:	87707
Ion Ratio	Lower	Upper	
237	100		
235	62.0	43.4	83.4
272	13.6	0.0	33.2

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 73.848 ng

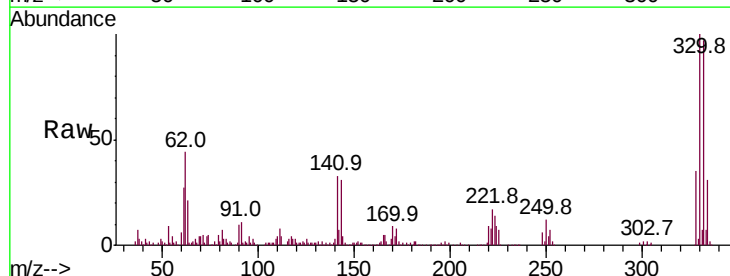
RT: 10.65 min Scan# 1455

Delta R.T. -0.03 min

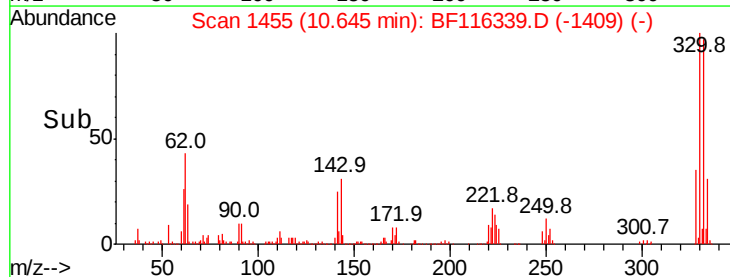
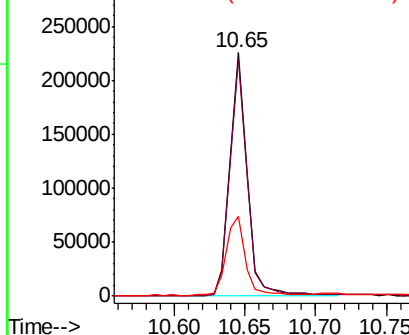
Lab File: BF116339.D

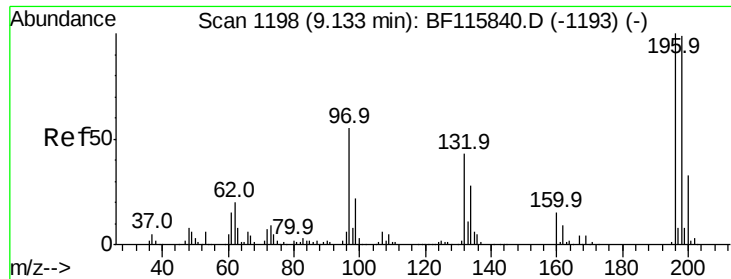
Acq: 17 Aug 2019 1:10

Tgt Ion:	330	Resp:	195850
Ion Ratio	Lower	Upper	
330	100		
332	98.7	76.8	115.2
141	35.0	26.3	39.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





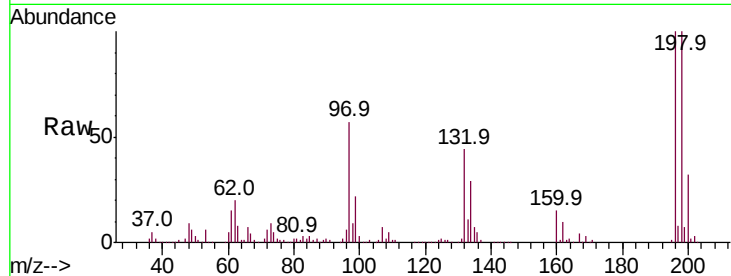
#43
 2,4,6-Trichlorophenol
 Concen: 46.433 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	233721		
198	100.0	79.2	118.8	
200	31.9	25.2	37.8	

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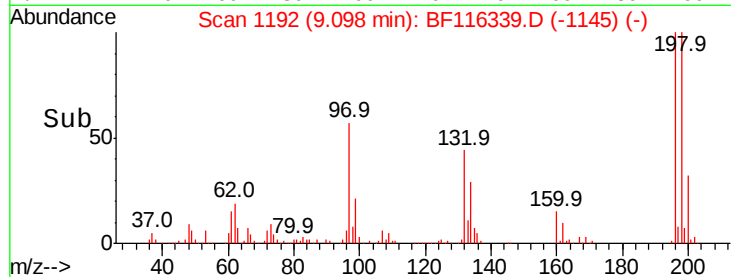
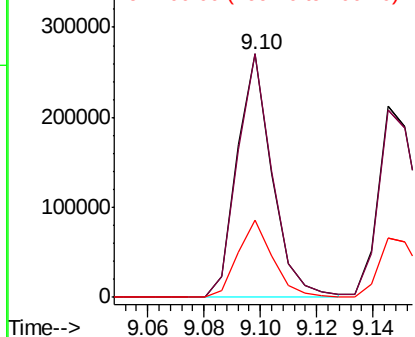


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 46.940 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	244236		
198	97.8	78.8	118.2	
97	54.8	42.2	63.4	
132	29.7	24.0	36.0	

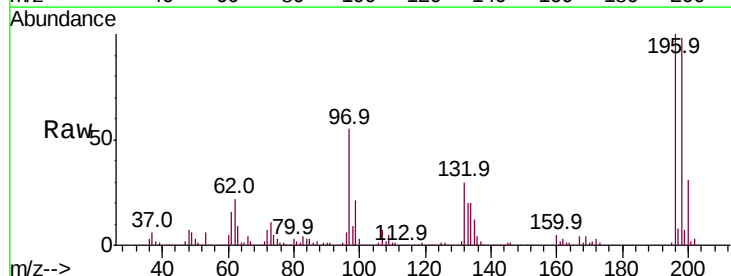
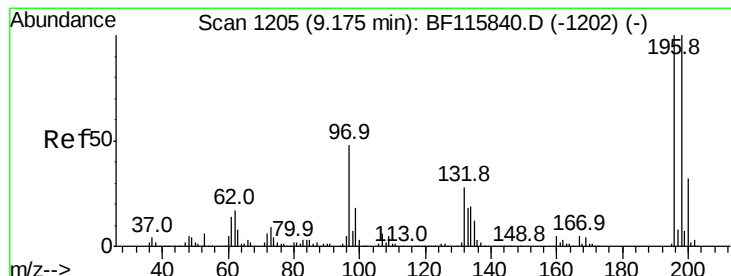
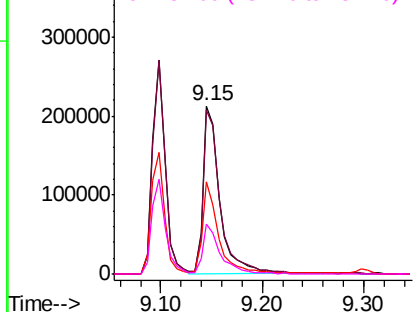
Abundance

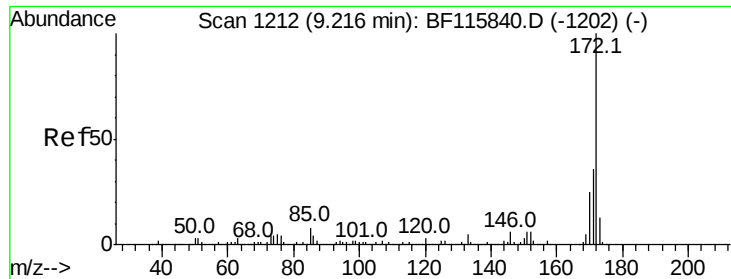
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





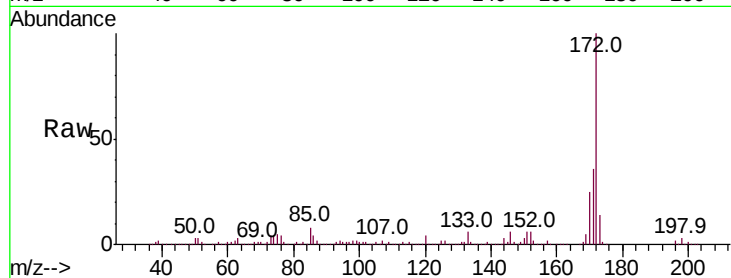
#45
2-Fluorobiphenyl
Concen: 68.573 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	25.2	20.1	30.1

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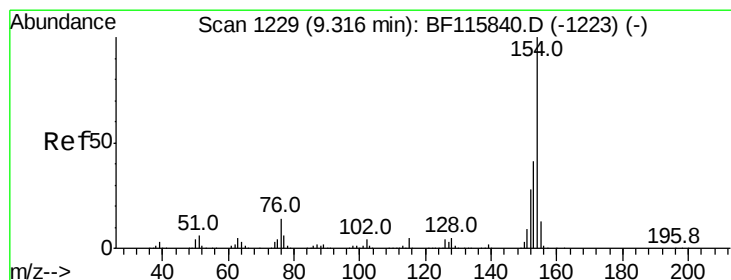
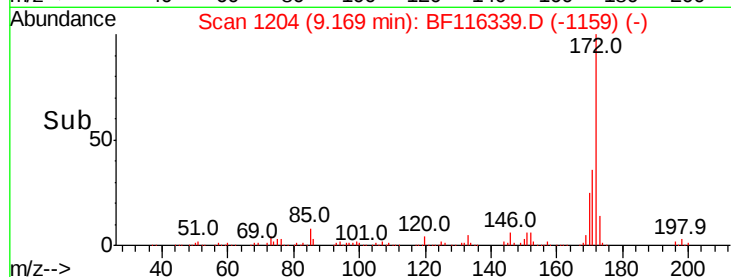
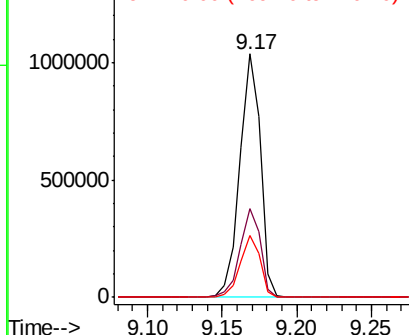


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 49.503 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

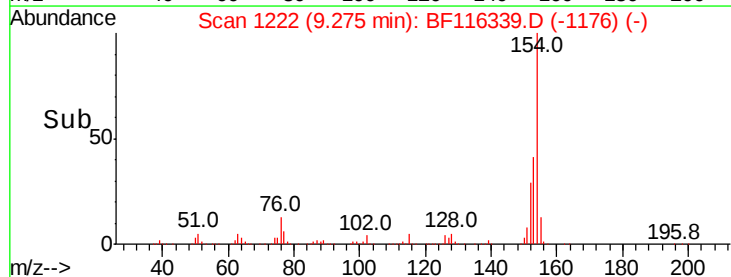
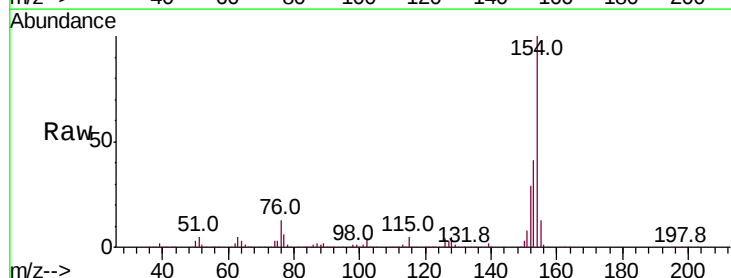
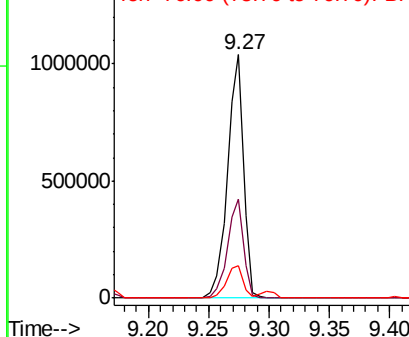
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.4	61.4
76	13.5	0.0	35.2

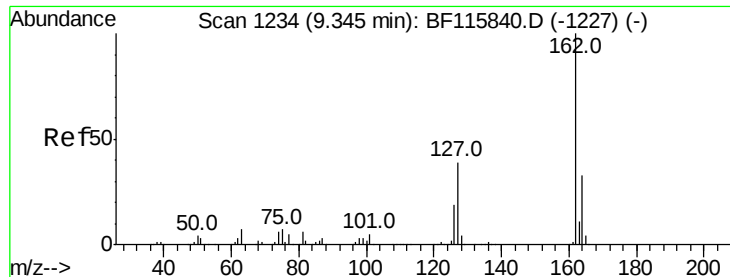
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





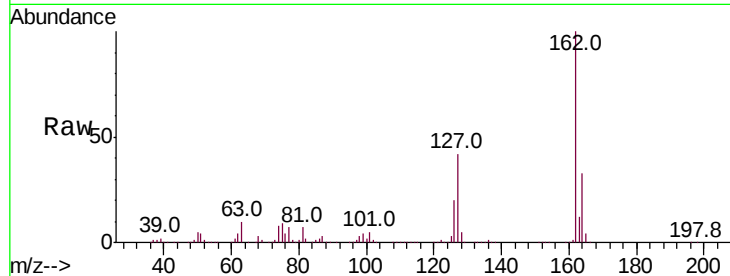
#47
 2-Chloronaphthalene
 Concen: 46.840 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.04 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

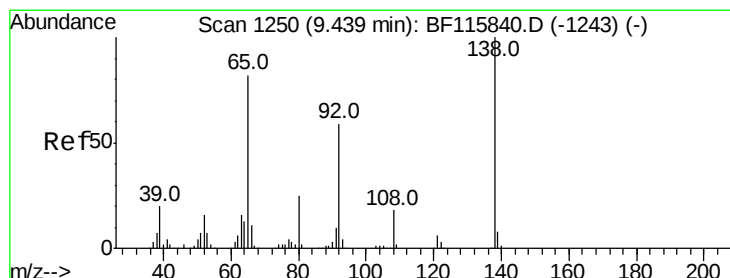
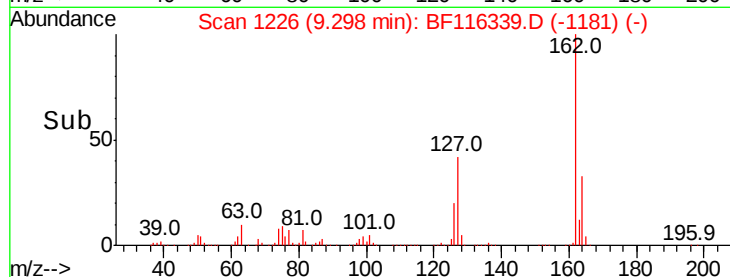
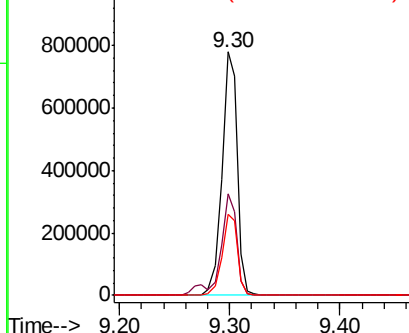
Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	41.8	32.8	49.2
164	33.4	26.6	39.8

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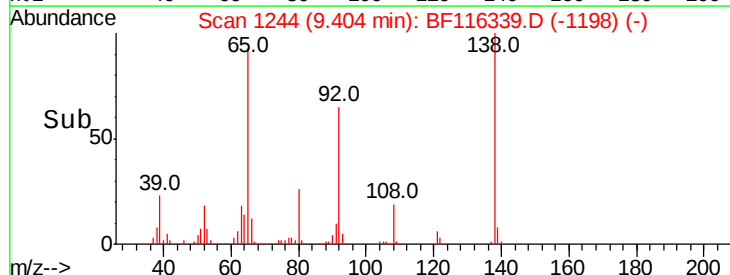
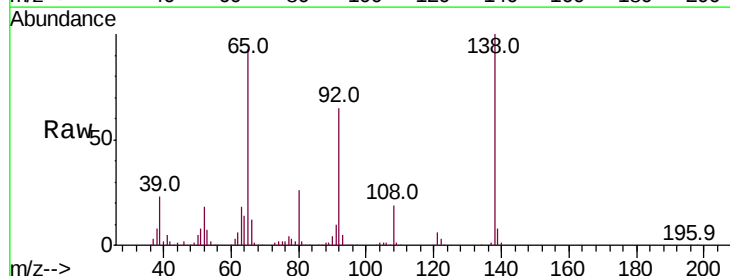
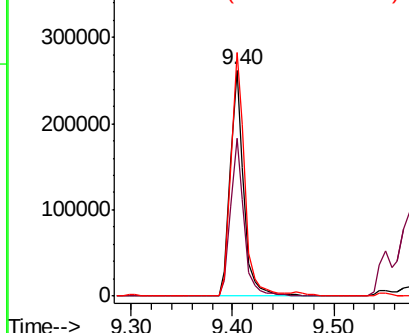
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

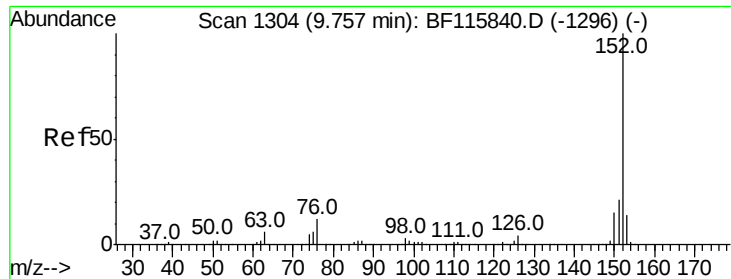


#48
 2-Nitroaniline
 Concen: 45.519 ng
 RT: 9.40 min Scan# 1244
 Delta R.T. -0.03 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	70.0	57.8	86.8
138	107.7	94.0	141.0

Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 47.297 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054MSD

Tot Ion:152 Resp: 1109072

Ion Ratio Lower Upper

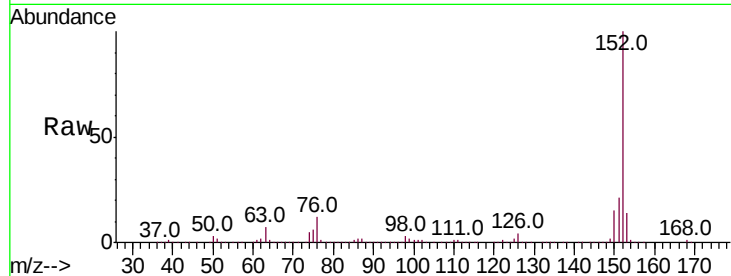
152 100

151 20.8 17.2 25.8

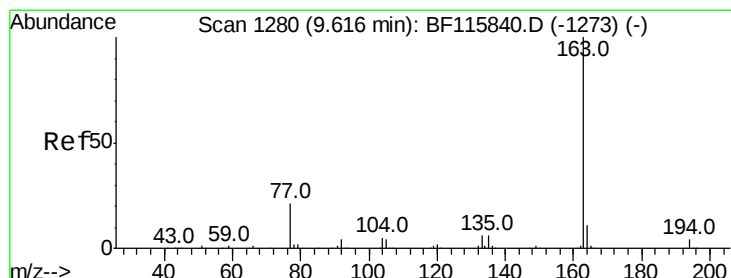
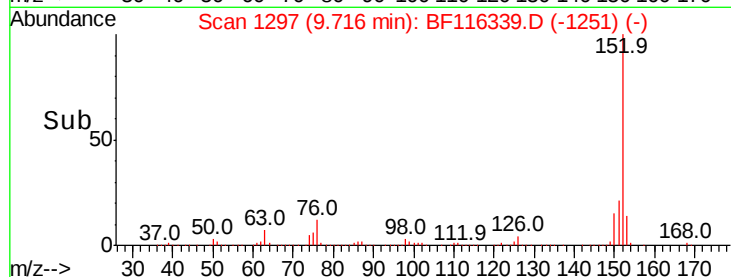
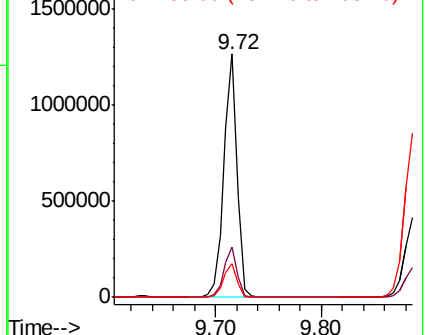
153 13.9 11.8 17.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 56.137 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

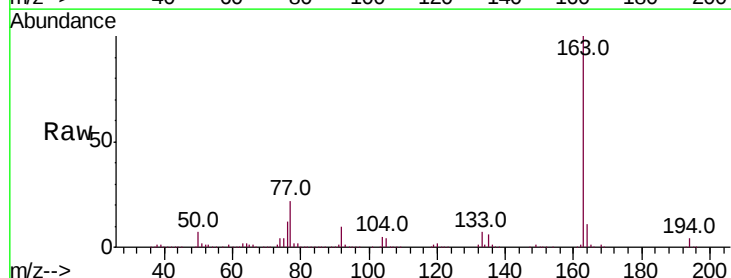
Tgt Ion:163 Resp: 1045551

Ion Ratio Lower Upper

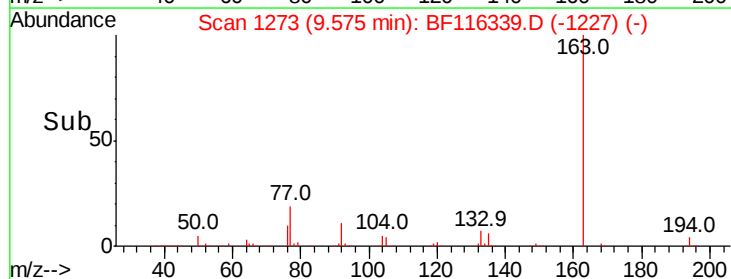
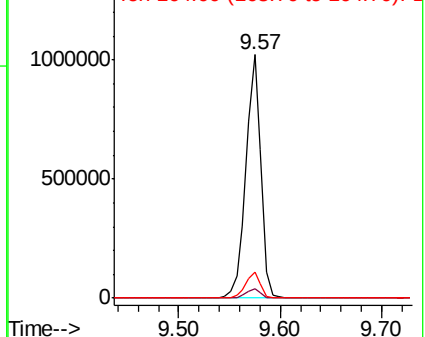
163 100

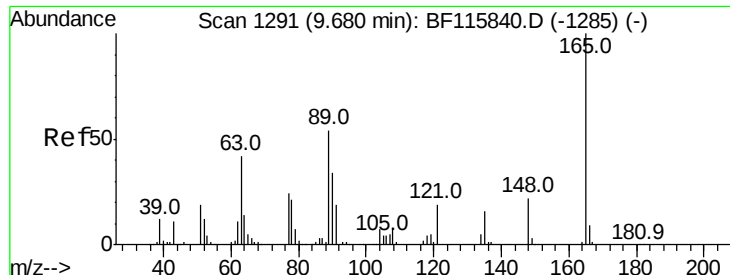
194 3.8 3.0 4.6

164 10.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





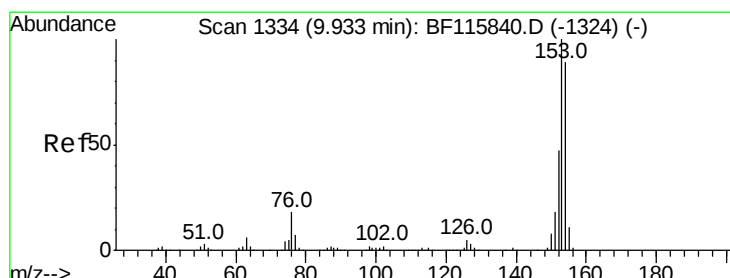
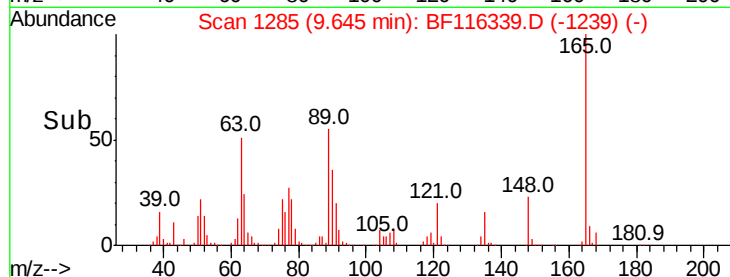
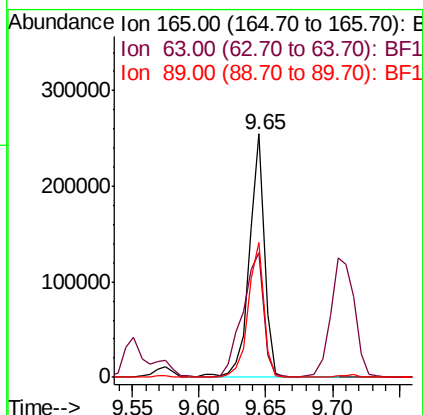
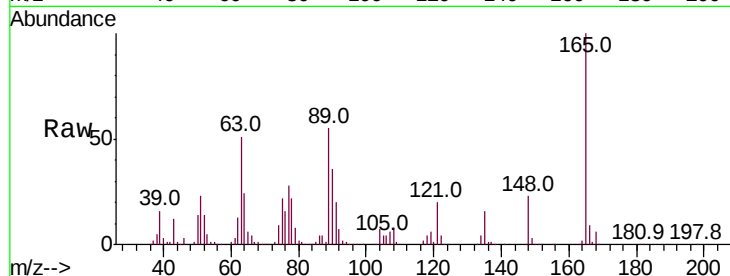
#51
 2,6-Dinitrotoluene
 Concen: 48.595 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.03 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	51.3	38.2	57.2	
89	55.4	42.9	64.3	

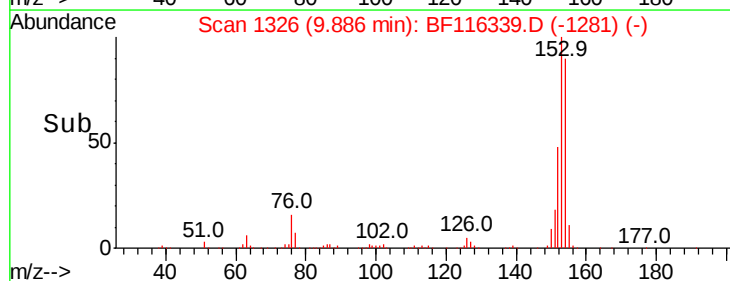
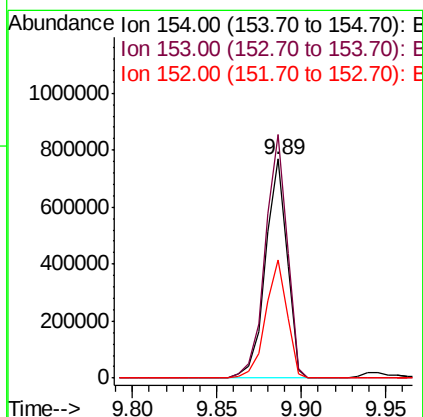
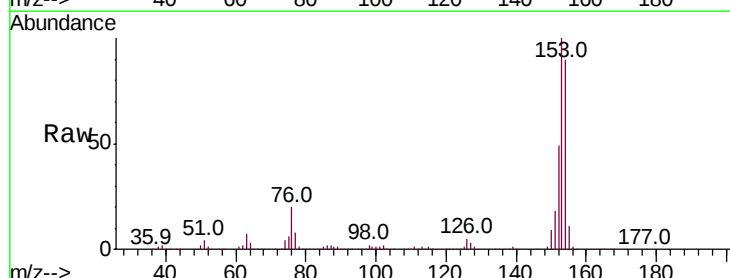
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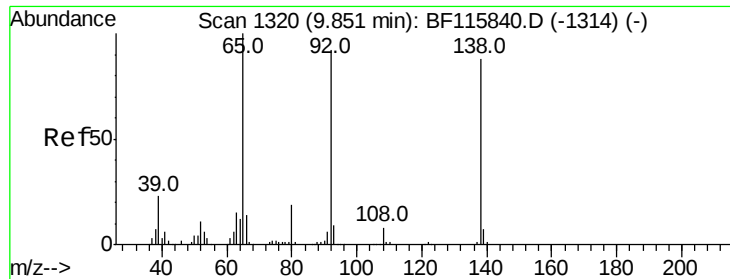
mohammad
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#52
 Acenaphthene
 Concen: 47.467 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.04 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.2	89.4	134.0	
152	54.0	42.3	63.5	





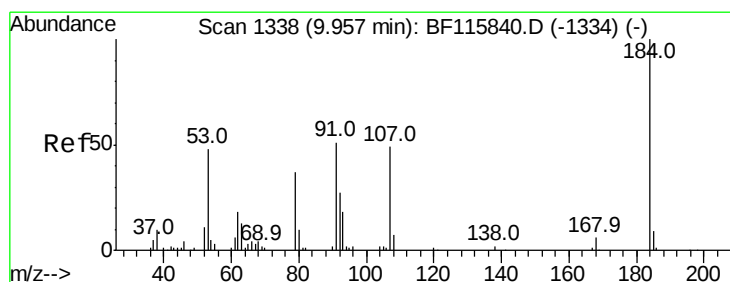
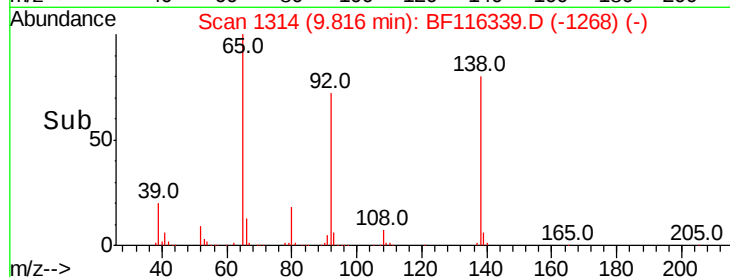
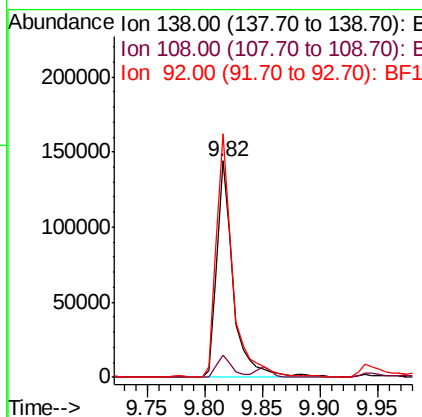
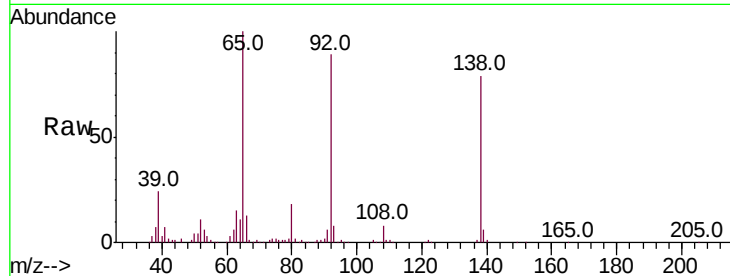
#53
3-Nitroaniline
Concen: 28.432 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.0	12.0
92	112.4	91.0	136.6

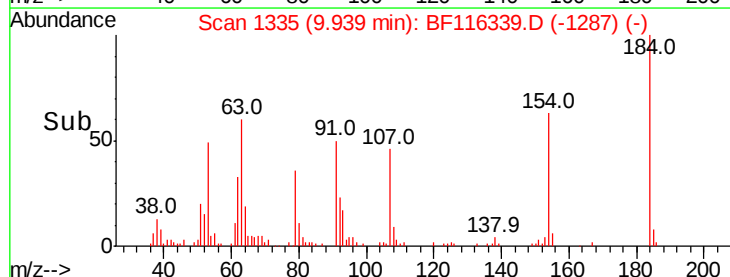
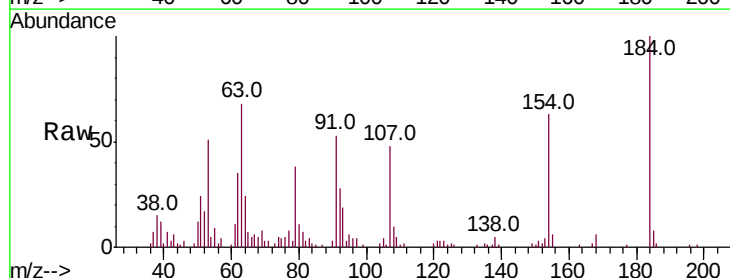
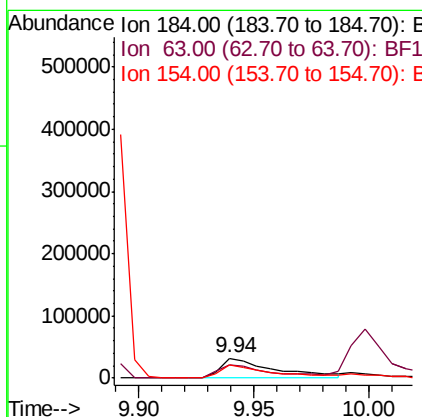
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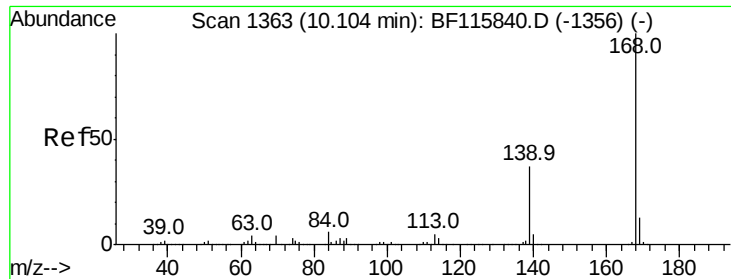
mohammad
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#54
2,4-Dinitrophenol
Concen: 30.318 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
184	100		
63	68.0	53.0	79.4
154	63.5	50.1	75.1





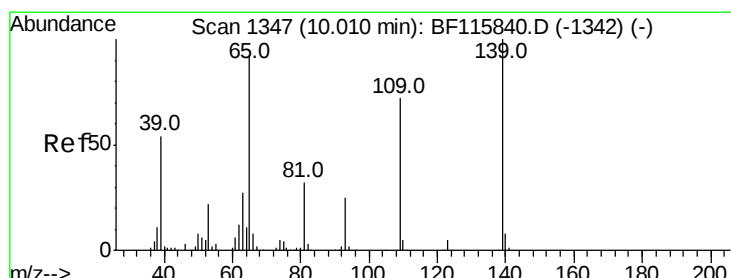
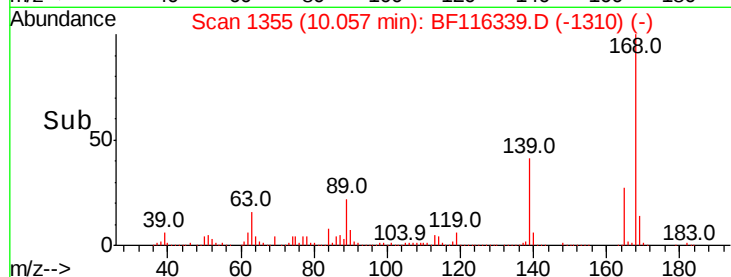
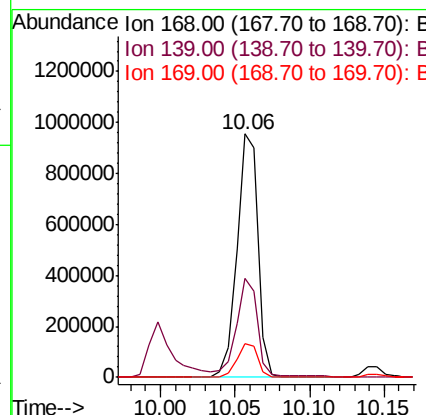
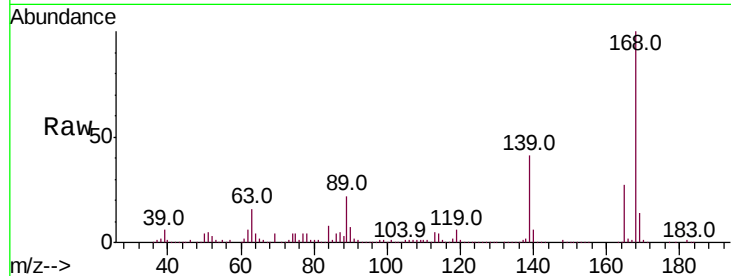
#55
Dibenzofuran
Concen: 45.211 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	40.7	31.4	47.2	
169	13.9	10.9	16.3	

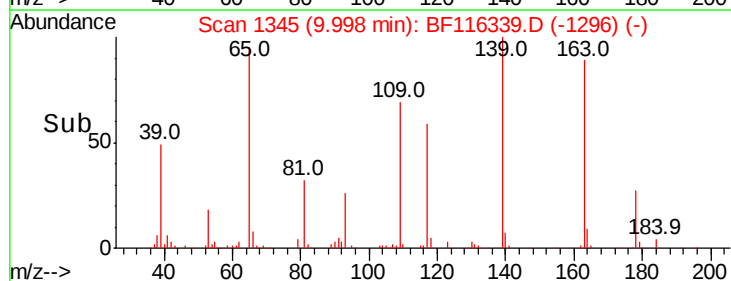
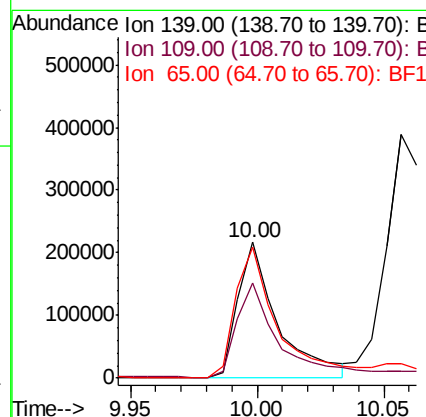
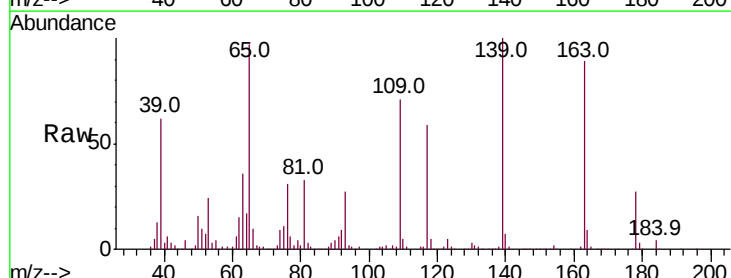
Manual Integrations
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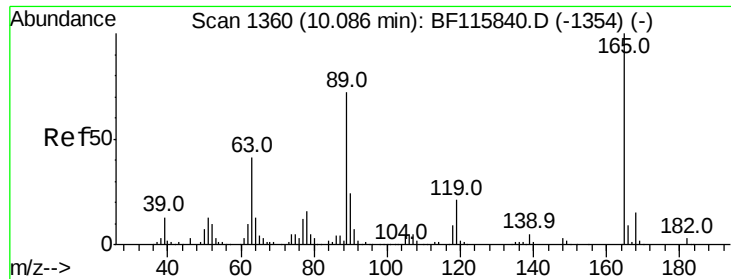
mohammad
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#56
4-Nitrophenol
Concen: 74.226 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	70.6	54.4	94.4	
65	96.8	80.6	120.6	





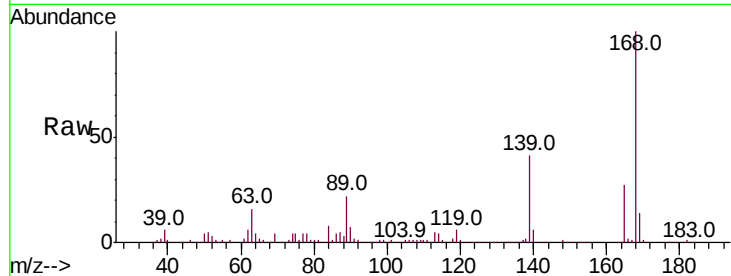
#57
 2,4-Dinitrotoluene
 Concen: 41.870 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. -0.02 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

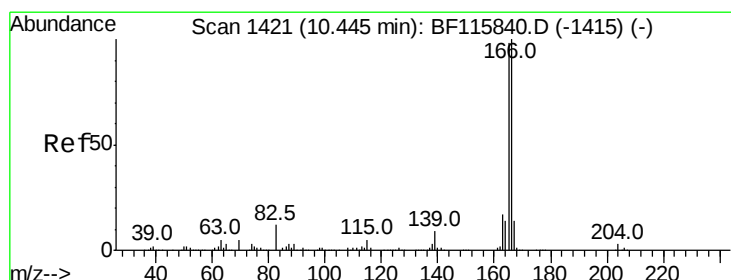
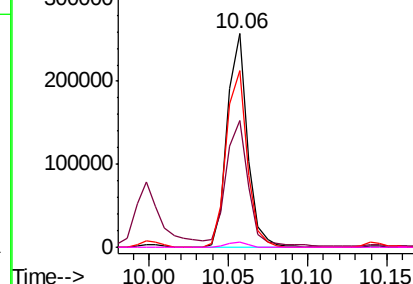
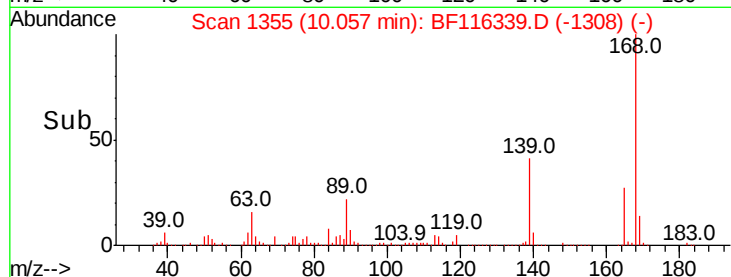
Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	59.3	39.6	59.4	
89	82.5	62.2	93.2	
182	2.7	2.1	3.1	

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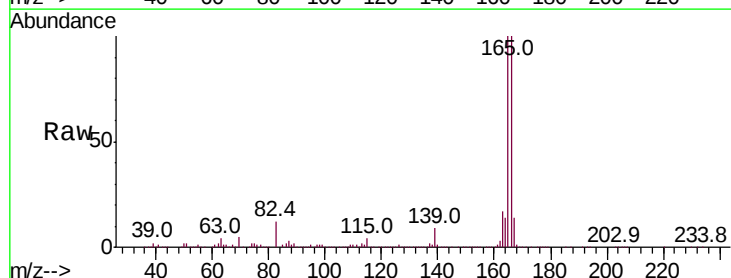


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

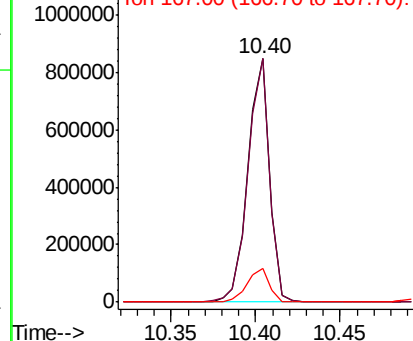
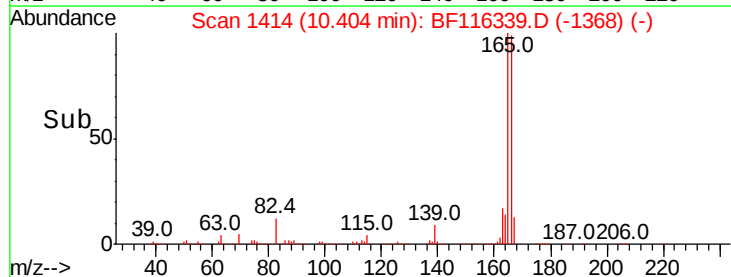


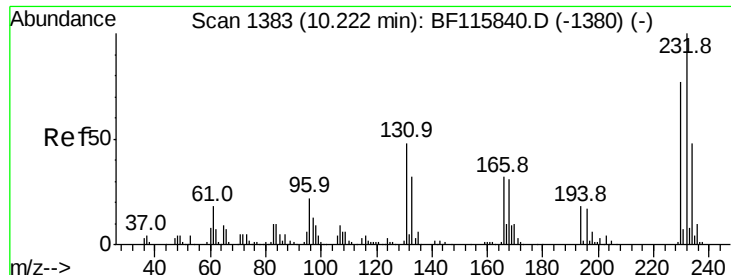
#58
 Fluorene
 Concen: 47.306 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.03 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.9	78.4	117.6	
167	13.9	11.0	16.4	



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





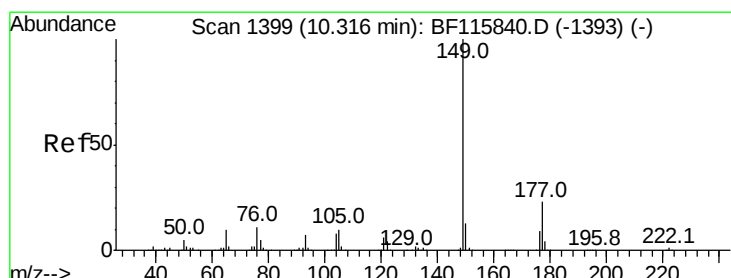
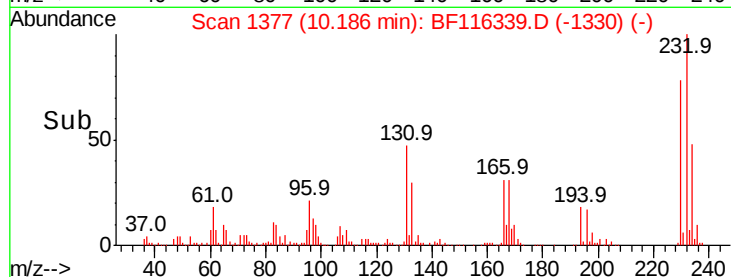
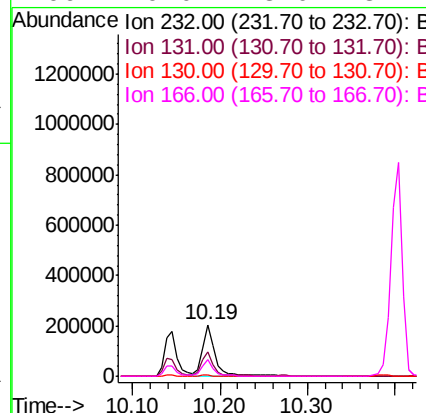
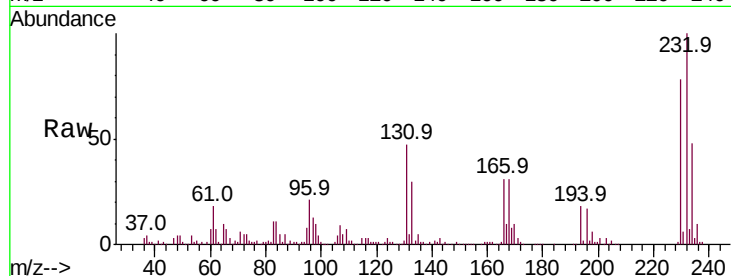
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.294 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	202652		
131	43.7		36.2	54.2
130	2.1		1.9	2.9
166	29.0		23.0	34.4

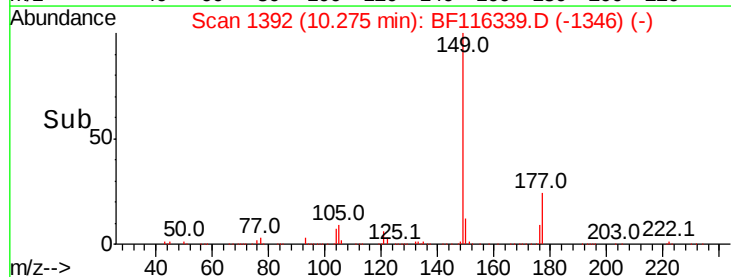
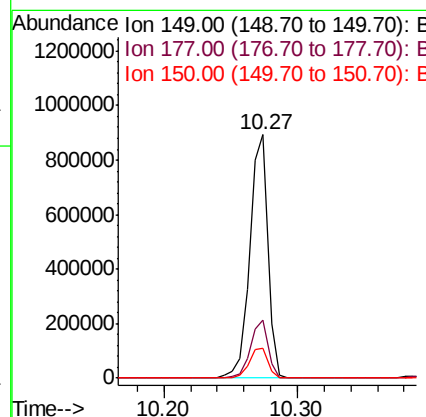
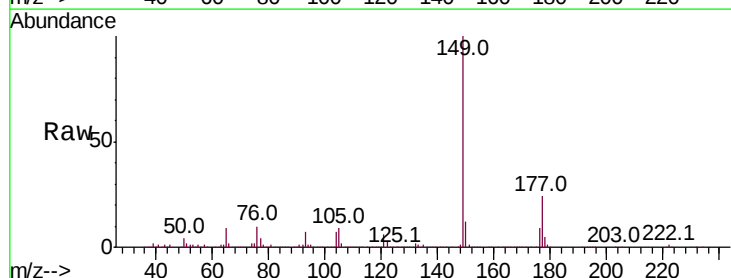
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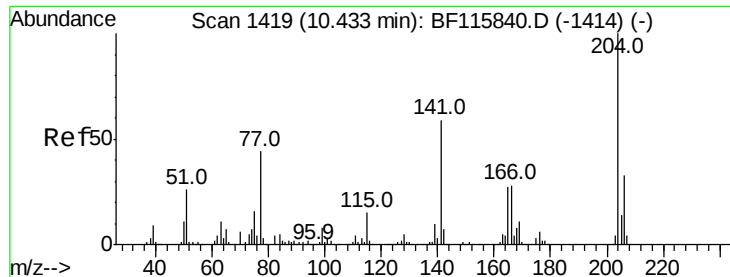
mohammad
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#60
 Diethylphthalate
 Concen: 47.618 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.03 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	828020		
177	23.7		18.8	28.2
150	12.5		10.2	15.4





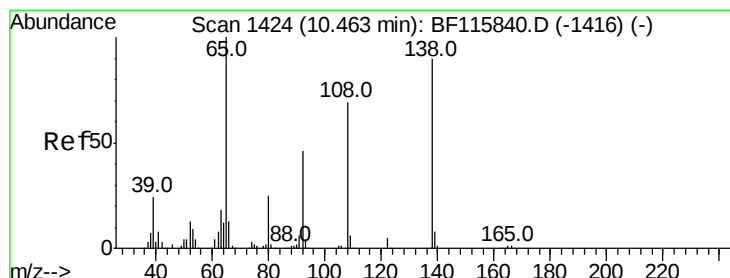
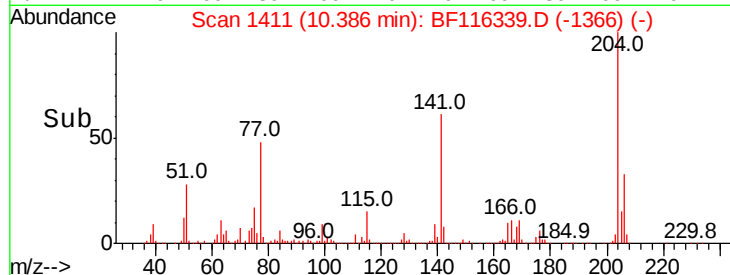
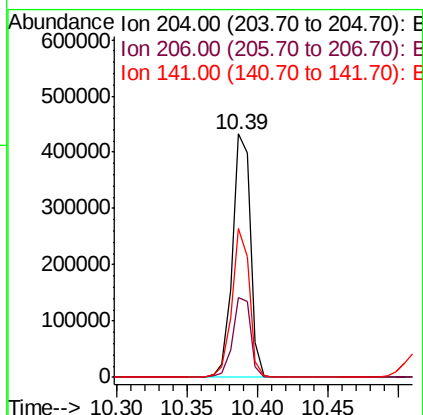
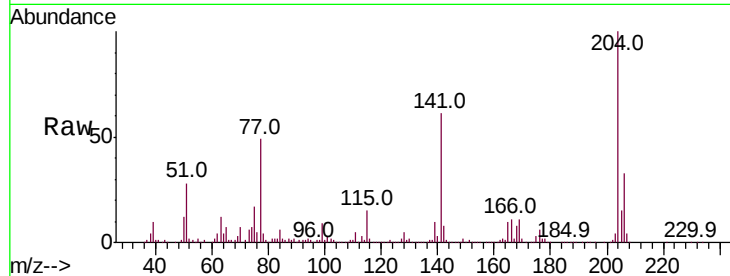
#61
4-Chlorophenyl-phenylether
Concen: 47.026 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	61.2	46.4	69.6

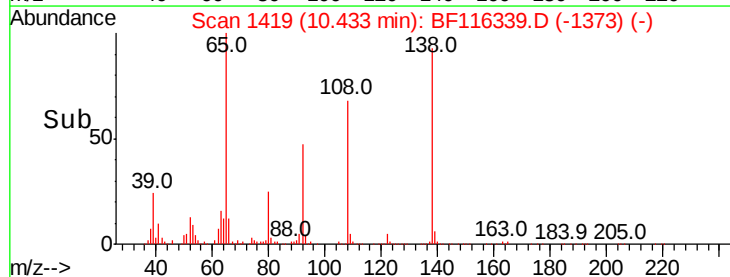
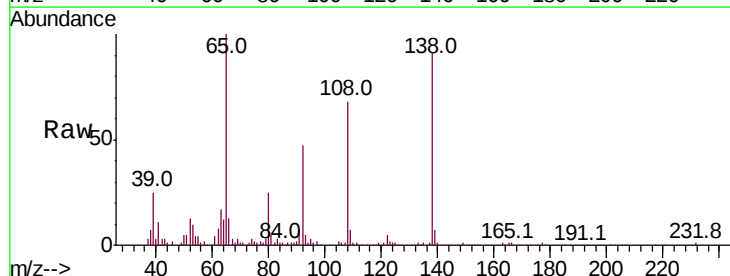
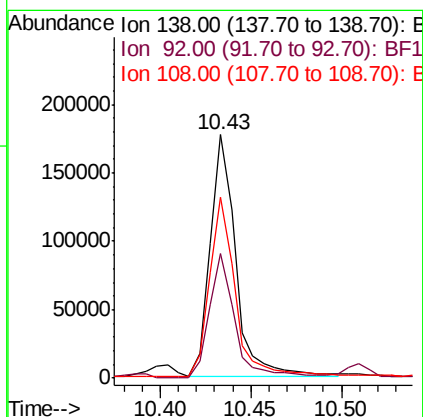
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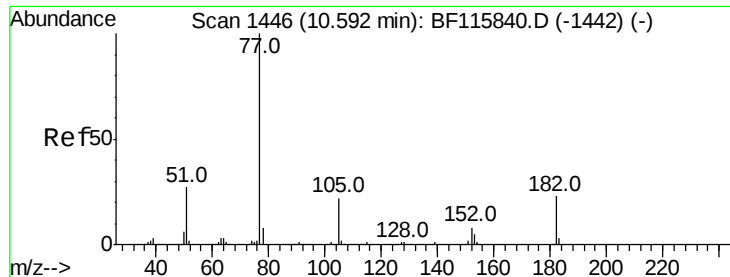
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#62
4-Nitroaniline
Concen: 33.626 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.0	29.0	69.0
108	74.1	54.7	94.7





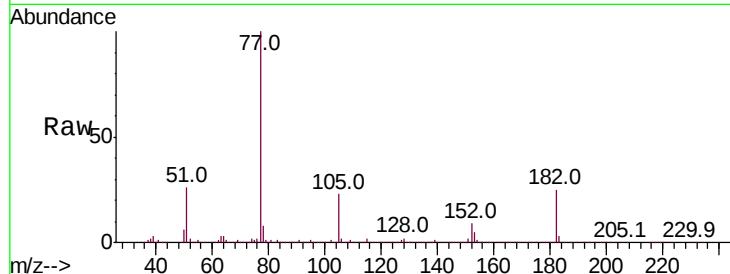
#63
Azobenzene
Concen: 45.933 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.0	44.0
105	22.7	2.0	42.0
51	26.2	7.5	47.5

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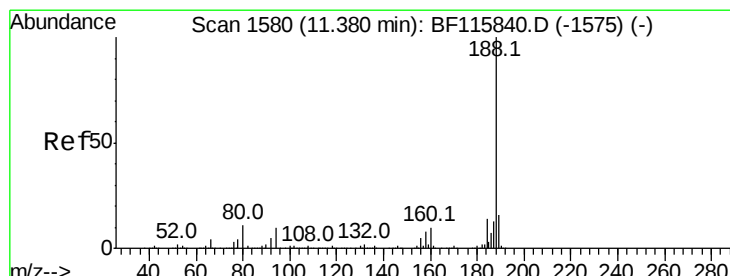
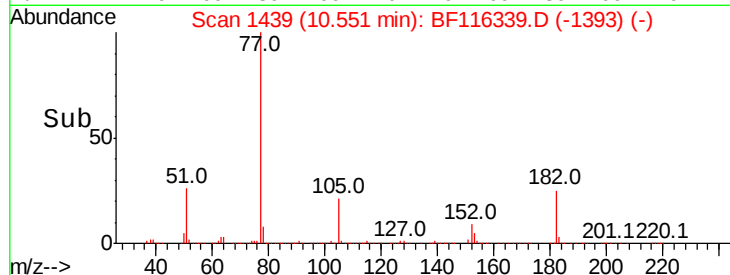
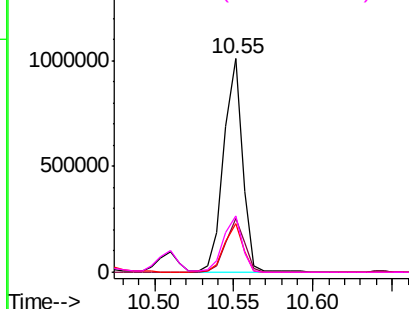
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

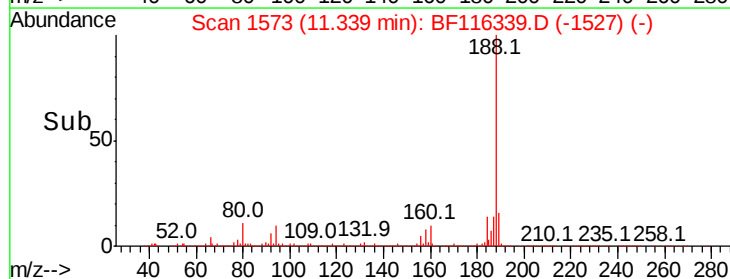
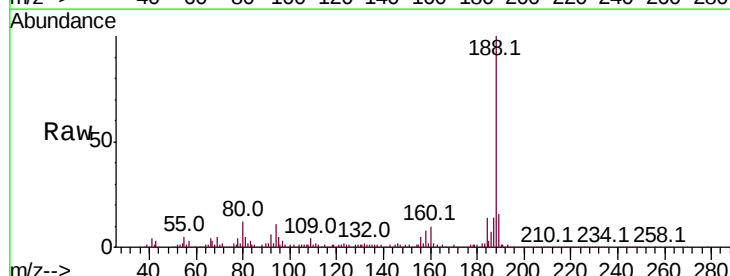
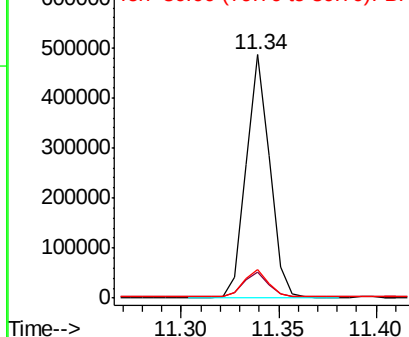
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.1	12.1
80	11.6	8.7	13.1

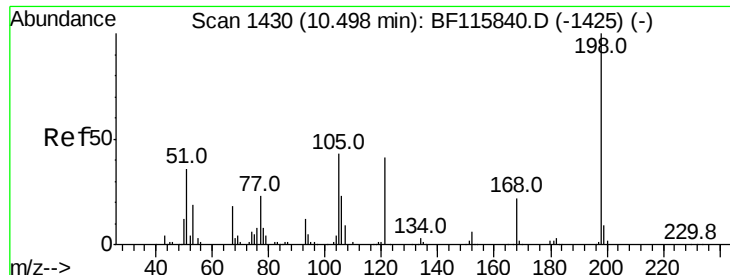
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





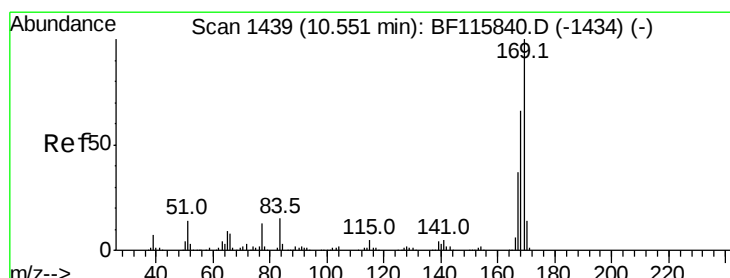
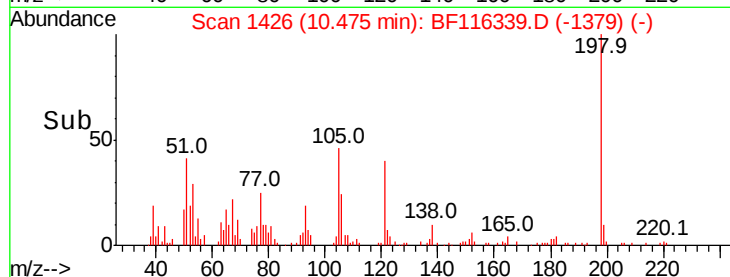
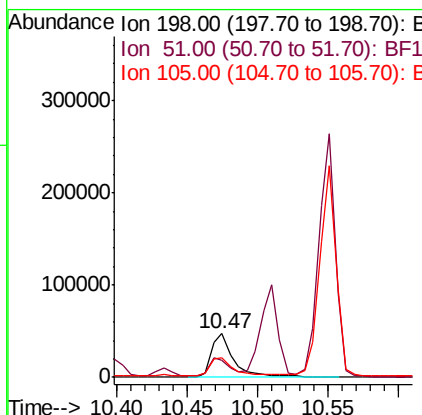
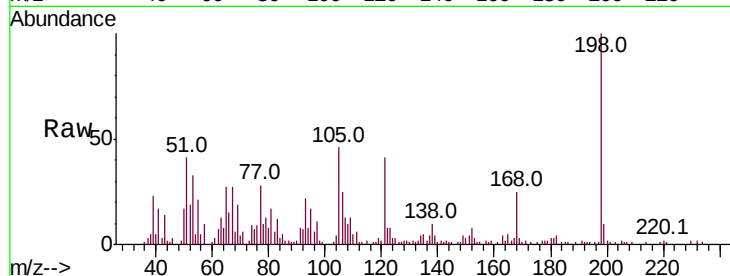
#65
4,6-Dinitro-2-methylphenol
Concen: 24.017 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	40.6	17.0	57.0
105	46.3	21.6	61.6

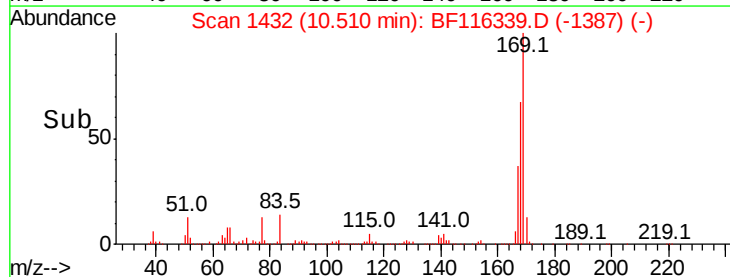
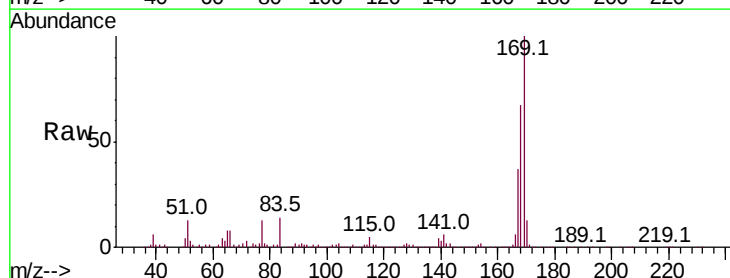
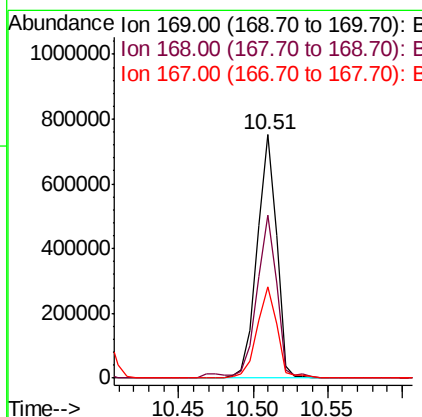
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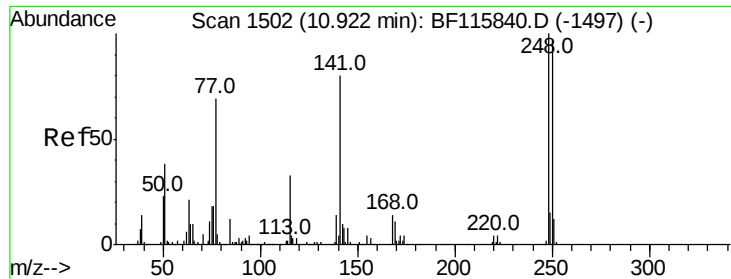
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#66
n-Nitrosodiphenylamine
Concen: 54.281 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.8	80.6
167	37.4	29.6	44.4





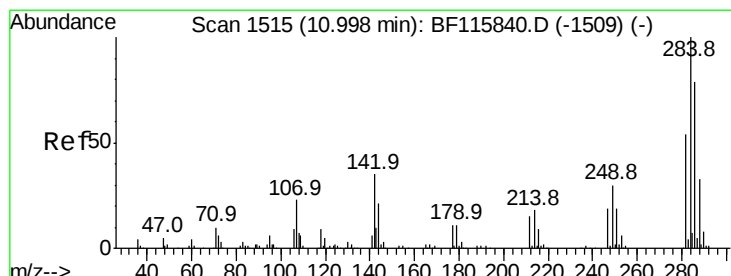
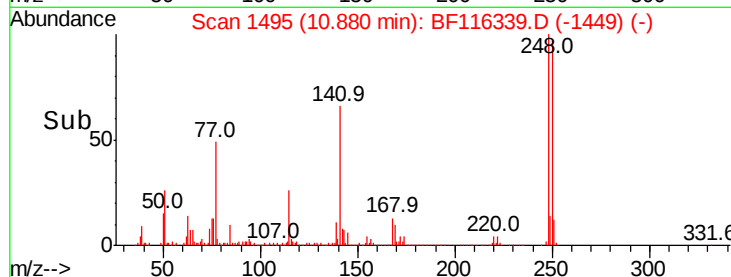
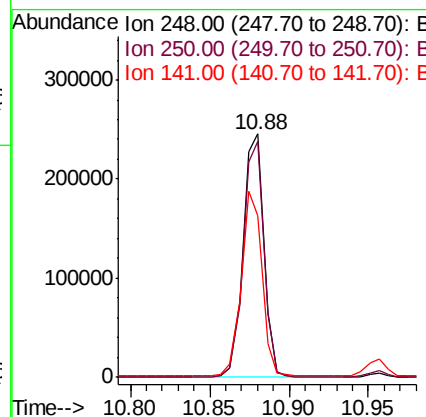
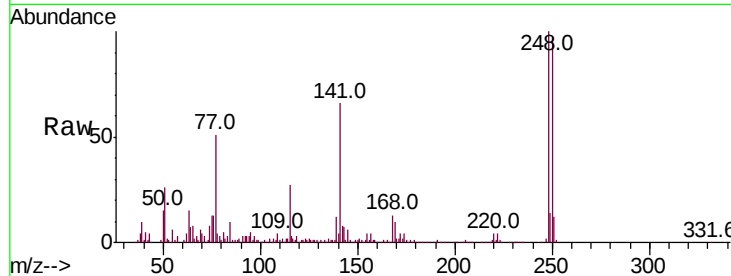
#67
4-Bromophenyl-phenylether
Concen: 51.342 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.4	116.2
141	66.4	56.8	85.2

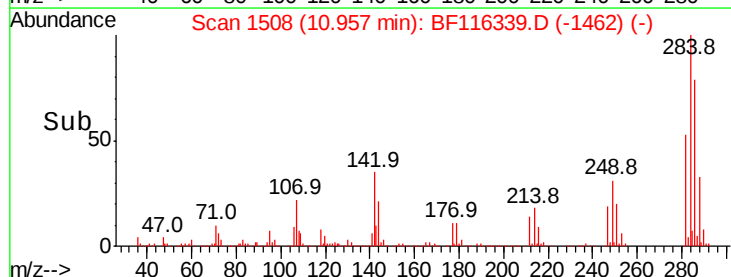
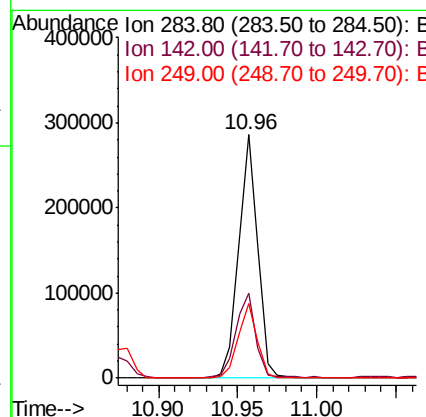
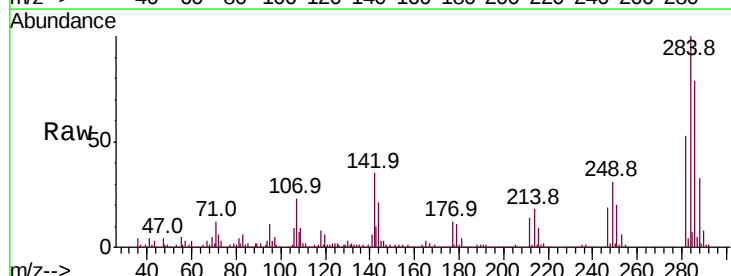
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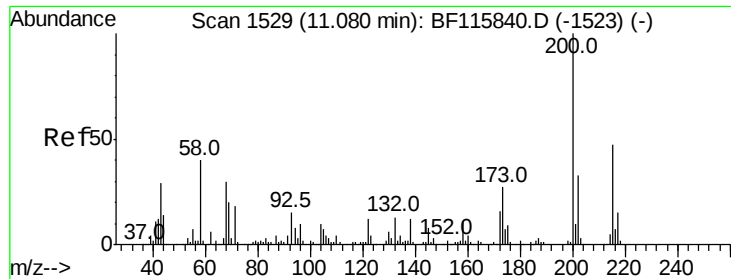
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#68
Hexachlorobenzene
Concen: 47.140 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.4	42.6
249	30.6	24.5	36.7





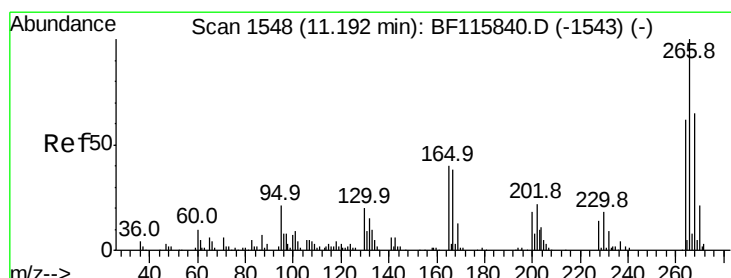
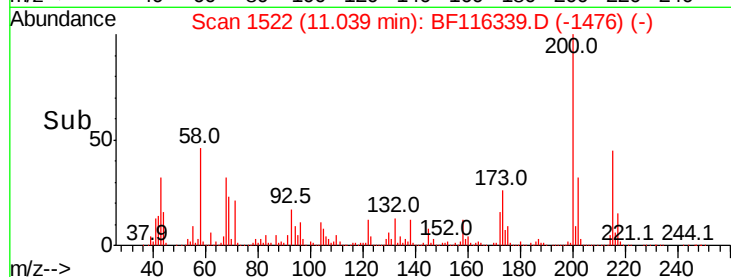
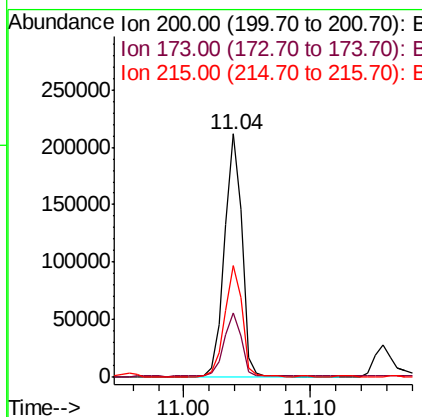
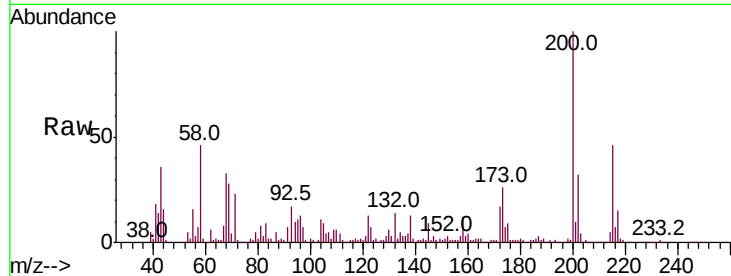
#69
Atrazine
Concen: 49.786 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.03 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	201670		
173	26.2	6.8	46.8	
215	45.7	27.5	67.5	

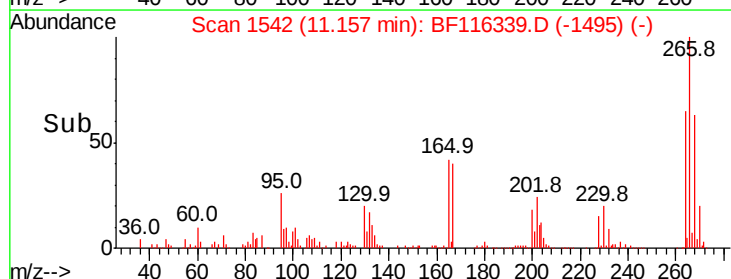
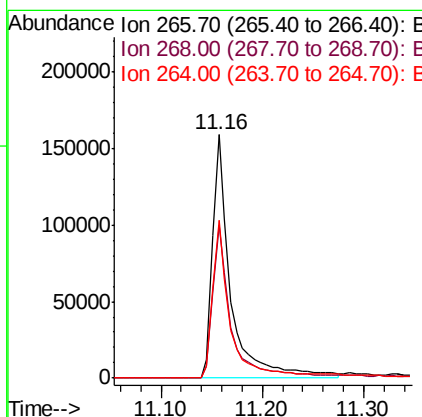
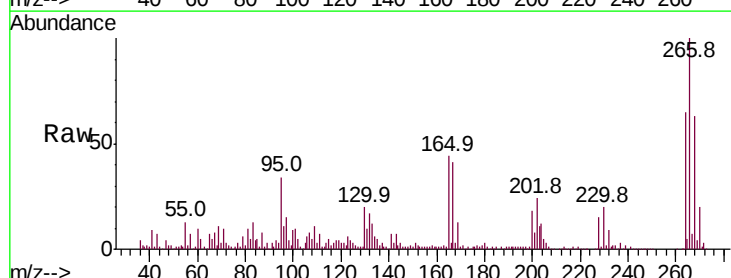
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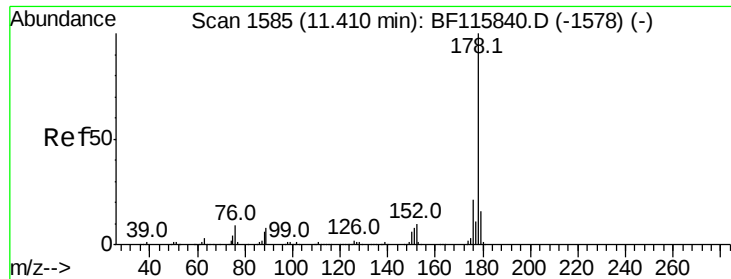
mohammad
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#70
Pentachlorophenol
Concen: 81.710 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.02 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	200884		
268	62.8	48.8	73.2	
264	64.8	50.6	76.0	





#71

Phenanthrene

Concen: 52.043 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054MSD

Tot Ion:178 Resp: 1088385

Ion Ratio Lower Upper

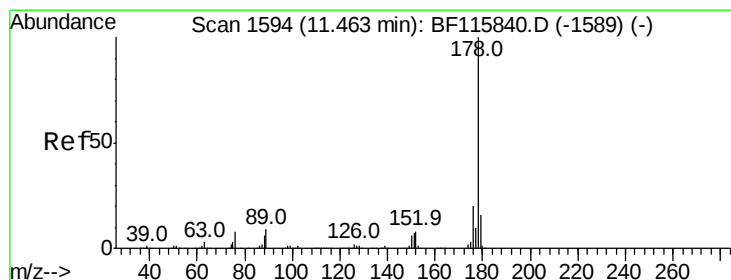
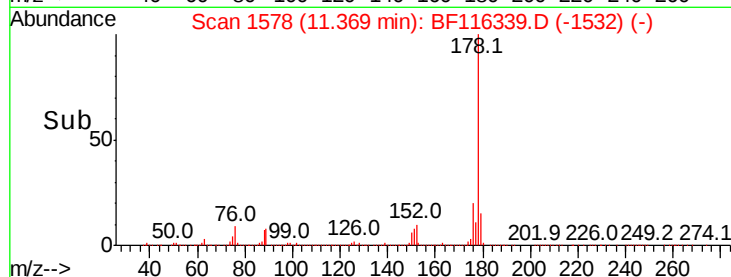
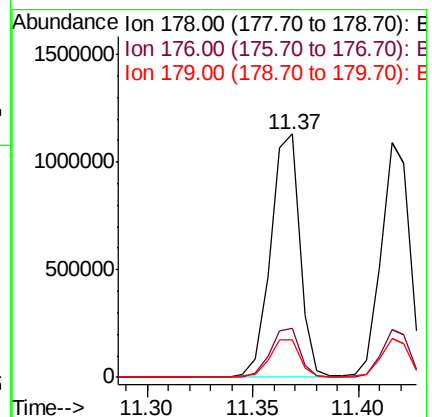
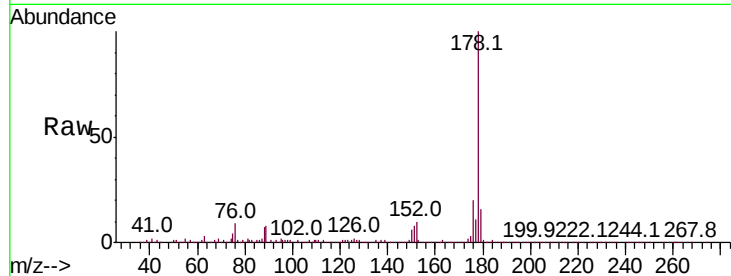
178 100

176 20.3 16.6 24.8

179 15.6 12.5 18.7

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#72

Anthracene

Concen: 49.513 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

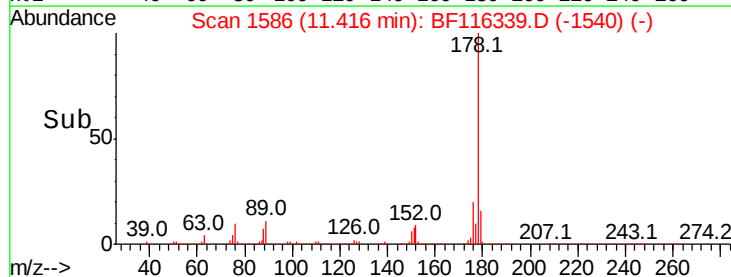
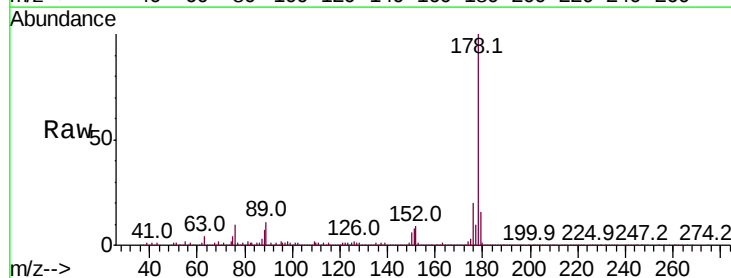
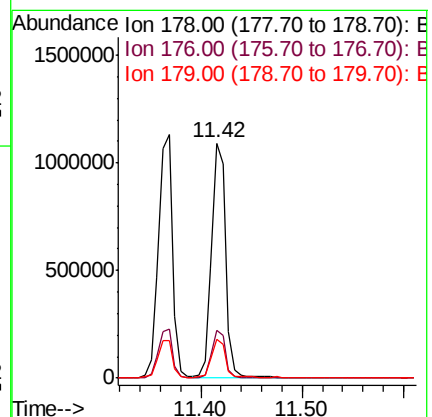
Tgt Ion:178 Resp: 1047948

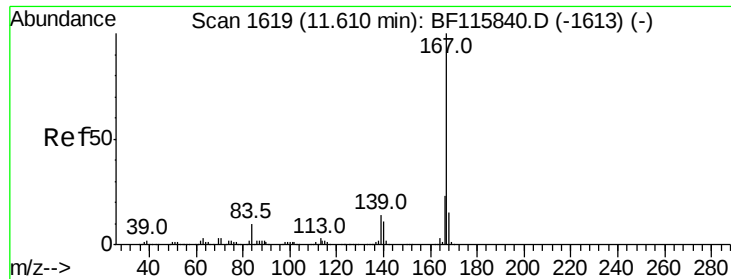
Ion Ratio Lower Upper

178 100

176 20.5 15.7 23.5

179 16.4 13.0 19.6





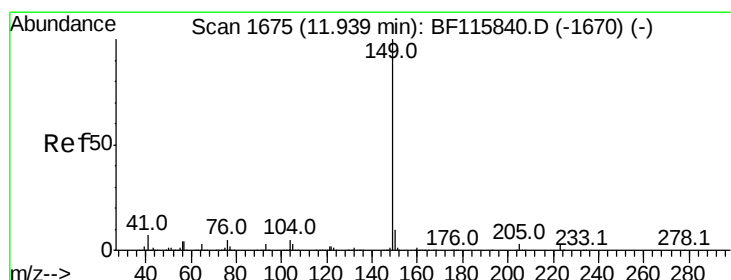
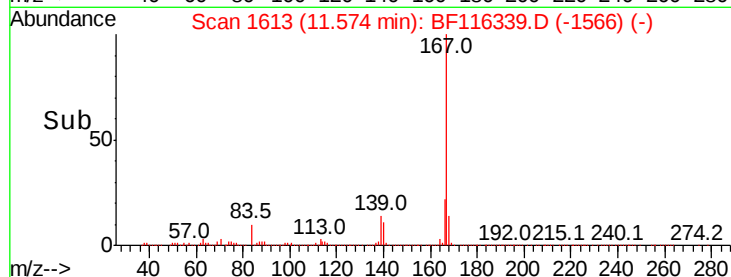
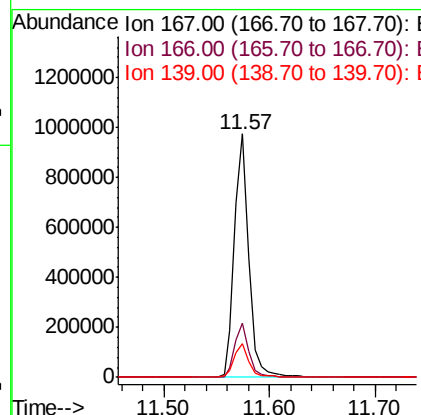
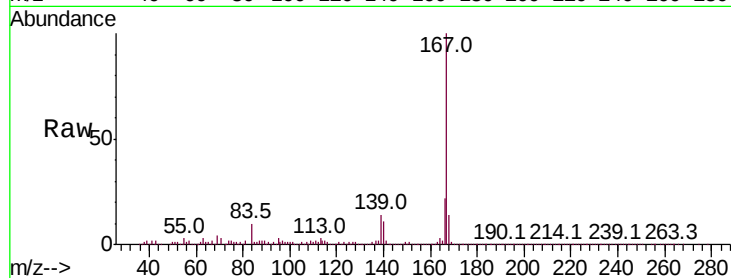
#73
 Carbazole
 Concen: 47.163 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	22.0		17.8	26.6
139	14.0		11.4	17.0

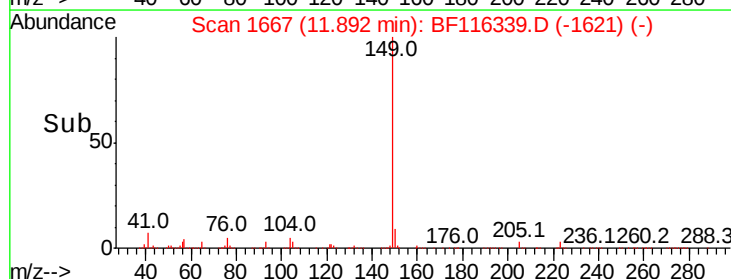
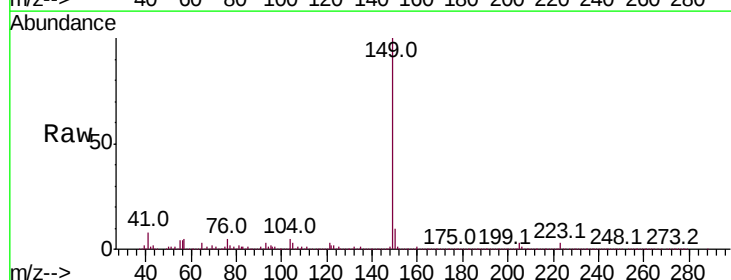
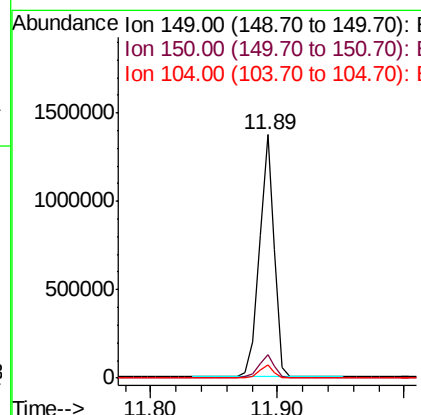
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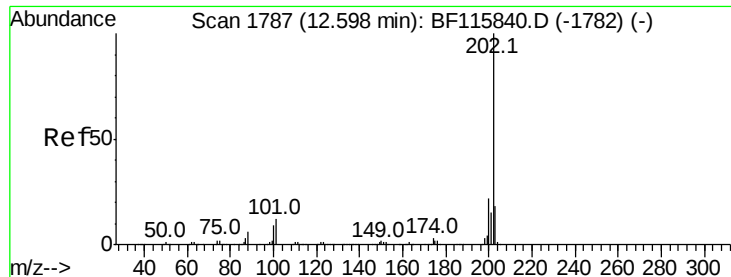
mohammad
 8/20/2019 8:37:16 AM



#74
 Di-n-butylphthalate
 Concen: 50.227 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.03 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.7		8.0	12.0
104	5.3		4.5	6.7





#75

Fluoranthene

Concen: 50.142 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

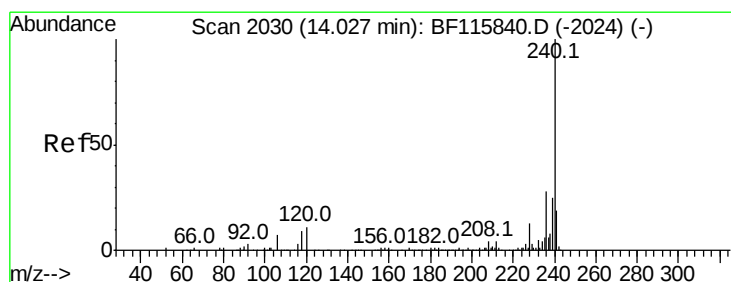
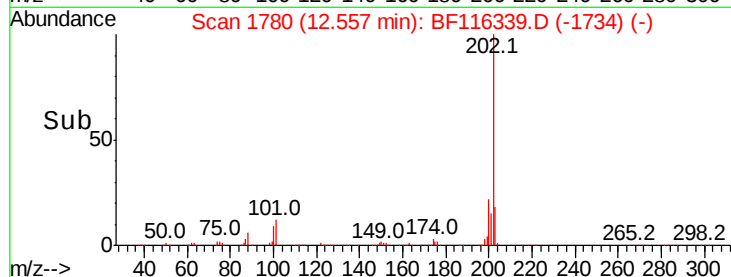
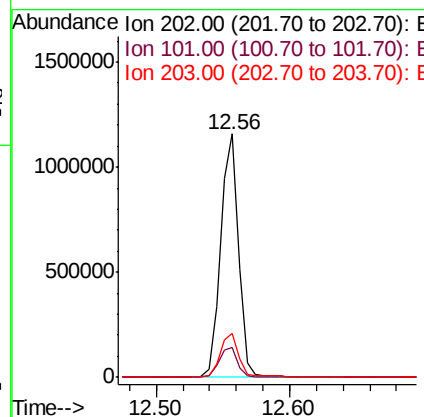
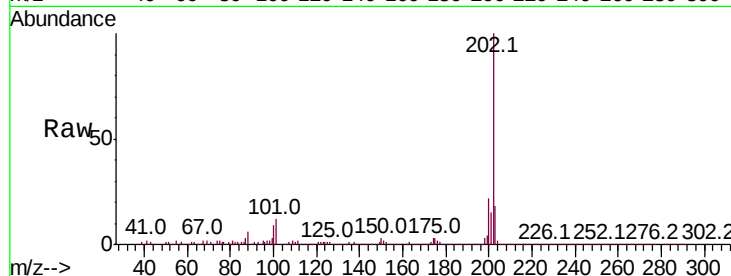
ClientSampleId :

RBR-200057-200054MSD

Tot Ion:	202	Resp:	1097812
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.2
203	18.3	0.0	37.8

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#76

Chrysene-d12

Concen: 20.000 ng

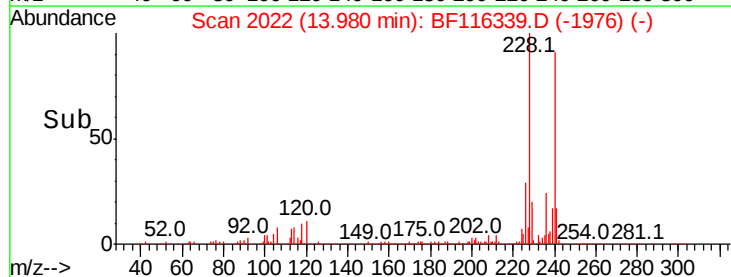
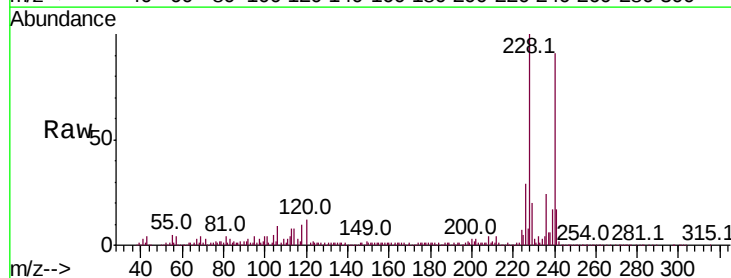
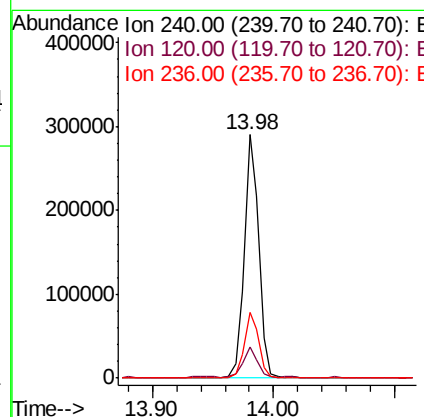
RT: 13.98 min Scan# 2022

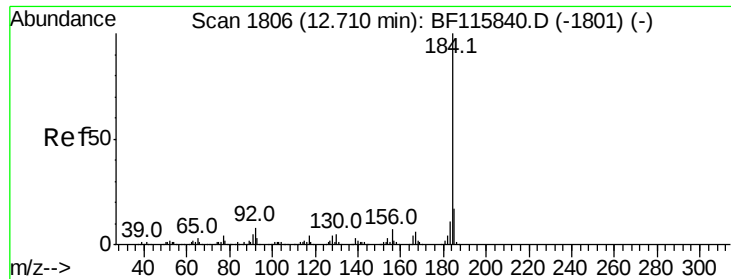
Delta R.T. -0.03 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Tgt Ion:	240	Resp:	245036
Ion Ratio	Lower	Upper	
240	100		
120	12.7	10.7	16.1
236	26.8	22.2	33.2





#77

Benzidine

Concen: 25.268 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.02 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

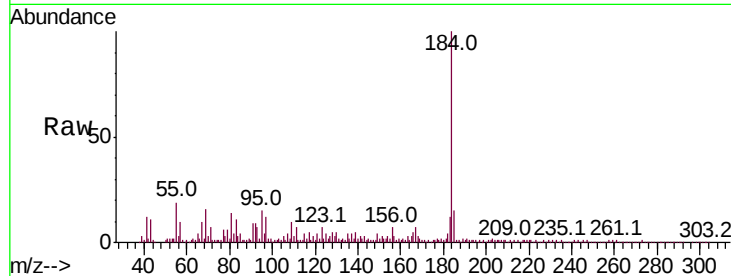
ClientSampleId :

RBR-200057-200054MSD

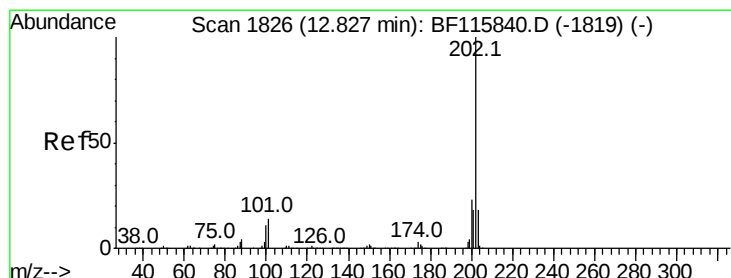
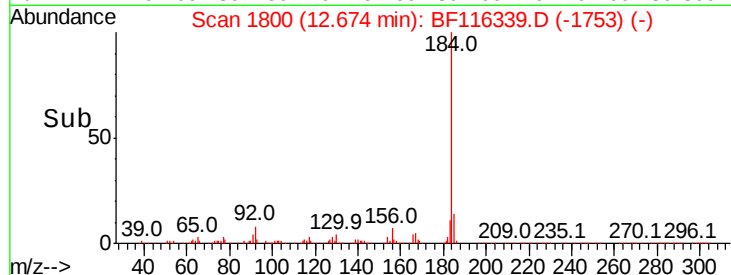
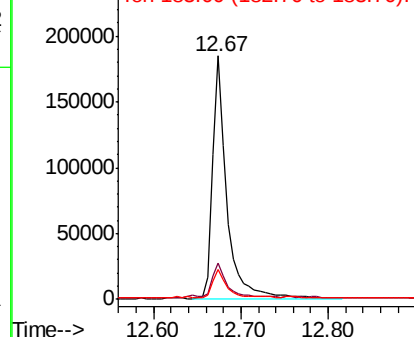
Tot Ion:	184	Resp:	209176
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.8	19.2
183	12.1	9.4	14.0

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 57.360 ng

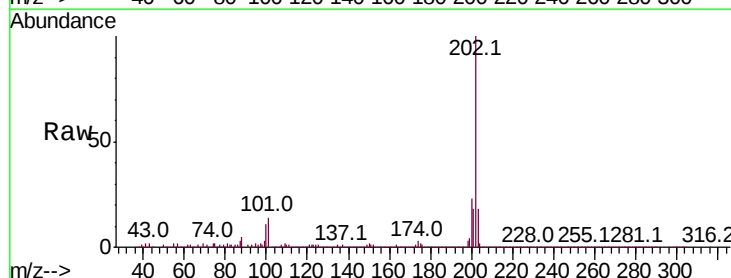
RT: 12.79 min Scan# 1819

Delta R.T. -0.03 min

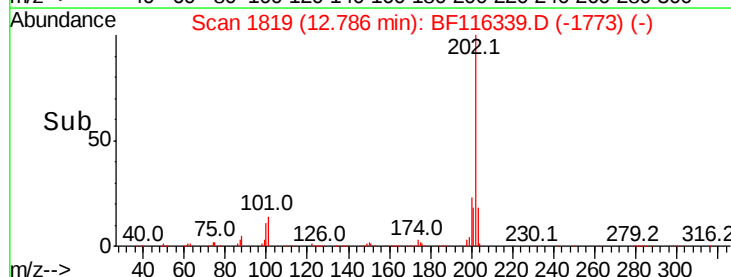
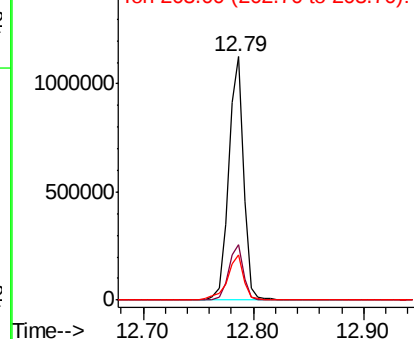
Lab File: BF116339.D

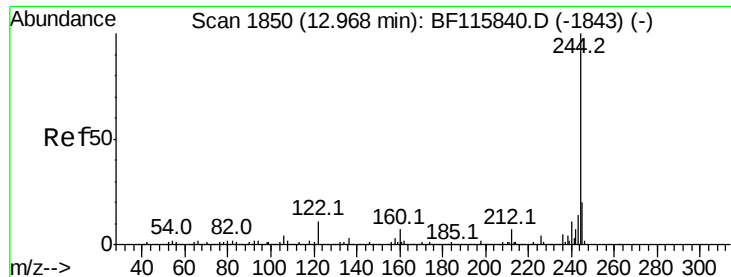
Acq: 17 Aug 2019 1:10

Tgt Ion:	202	Resp:	1059498
Ion Ratio	Lower	Upper	
202	100		
200	22.8	18.0	27.0
203	18.4	14.1	21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





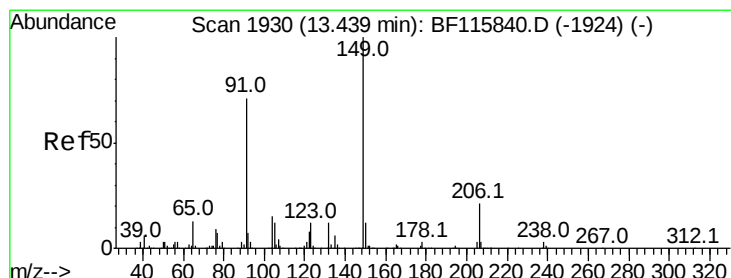
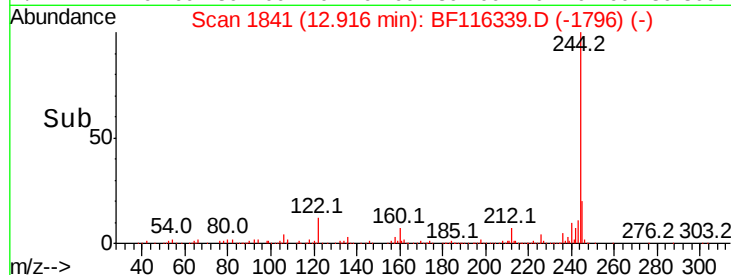
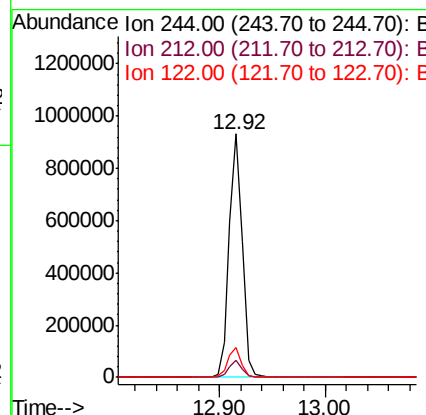
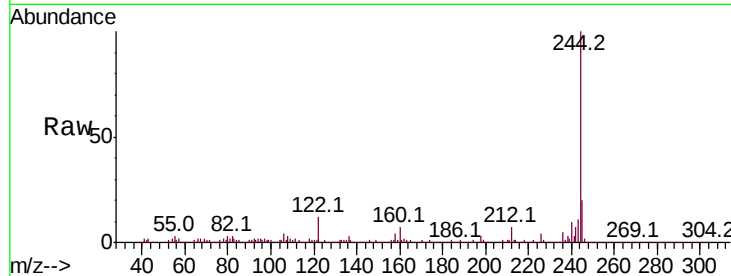
#79
 Terphenyl-d14
 Concen: 69.265 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	5.8	8.8	
122	12.1	9.0	13.4	

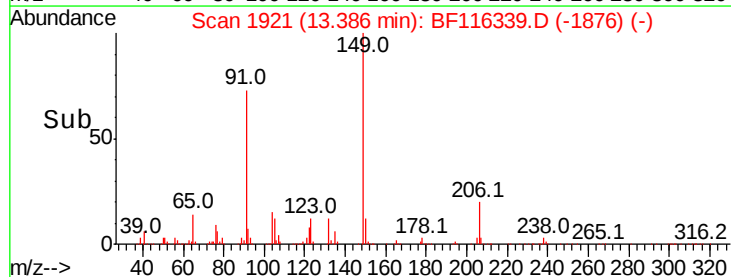
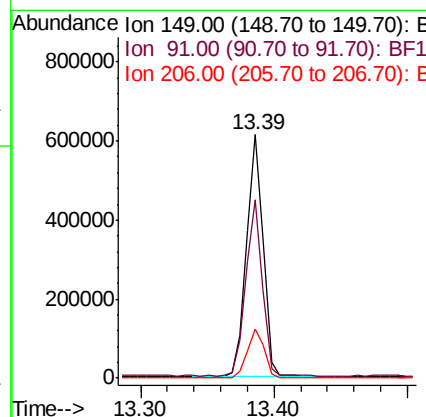
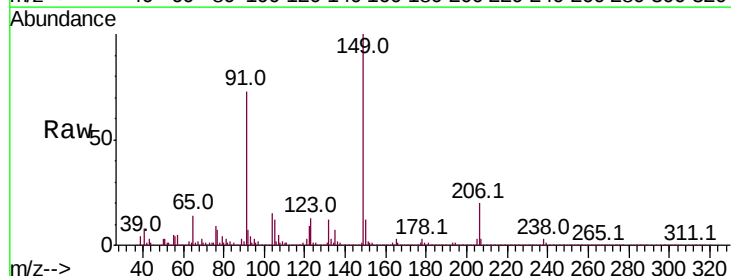
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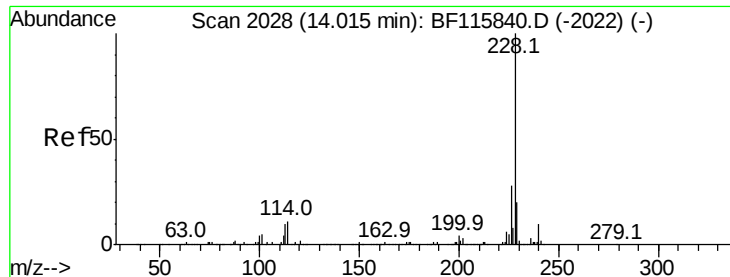
mohammad
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#80
 Butylbenzylphthalate
 Concen: 67.243 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. -0.04 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	73.3	56.3	84.5	
206	20.4	18.0	27.0	





#81

Benzo(a)anthracene

Concen: 52.357 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

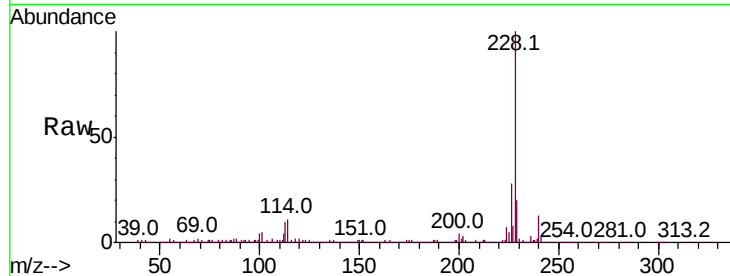
ClientSampleId :

RBR-200057-200054MSD

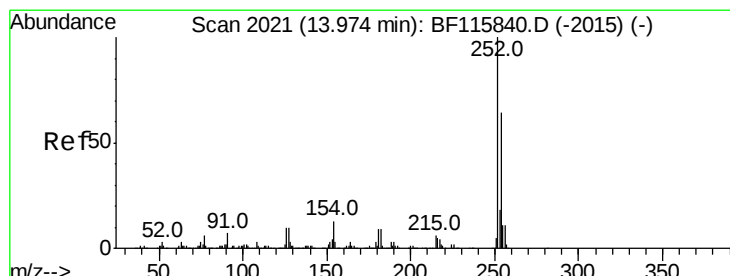
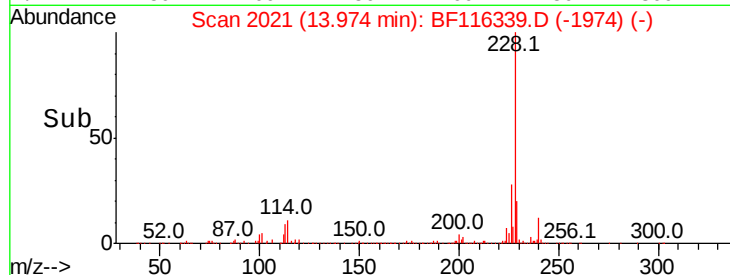
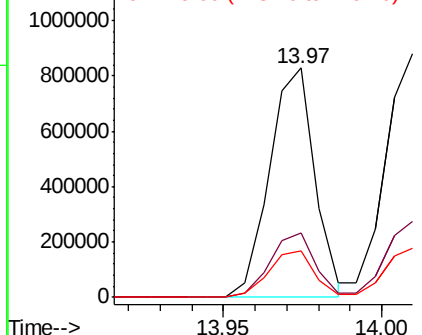
Tot Ion:	228	Resp:	820013
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.7	34.1
229	20.4	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 25.033 ng

RT: 13.93 min Scan# 2013

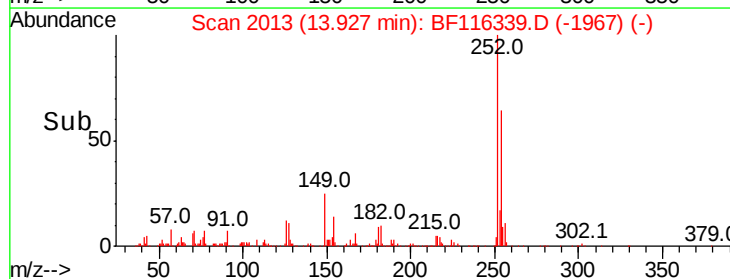
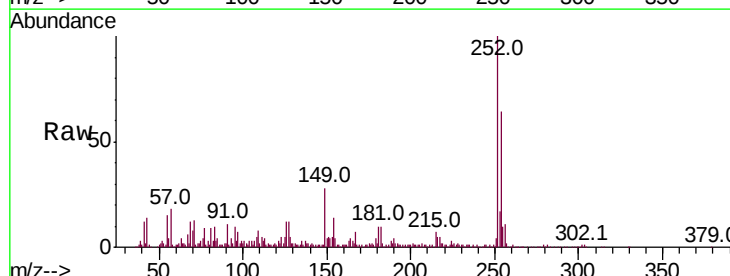
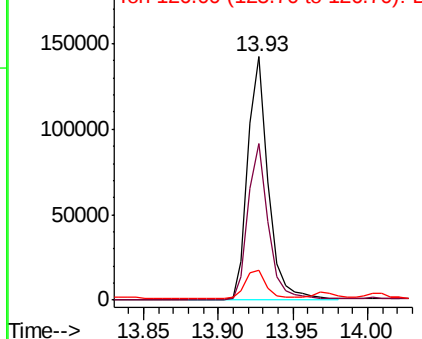
Delta R.T. -0.03 min

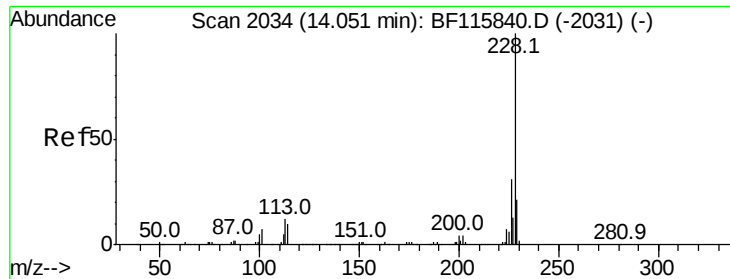
Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Tgt Ion:	252	Resp:	136209
Ion Ratio	Lower	Upper	
252	100		
254	64.3	50.9	76.3
126	12.4	9.8	14.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





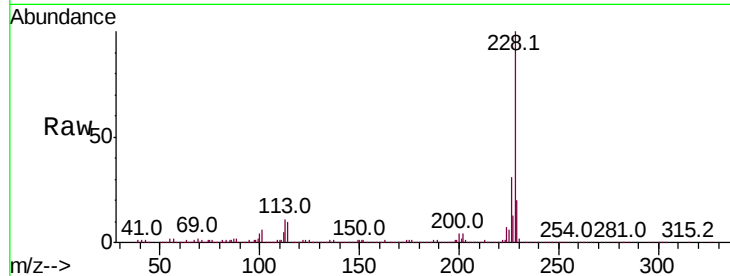
#83
 Chrysene
 Concen: 53.236 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.03 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.5	38.3
229	20.4	16.6	24.8

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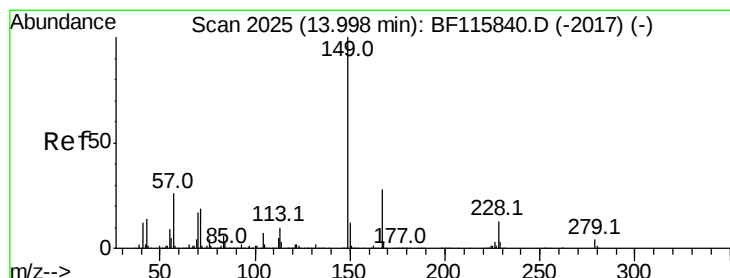
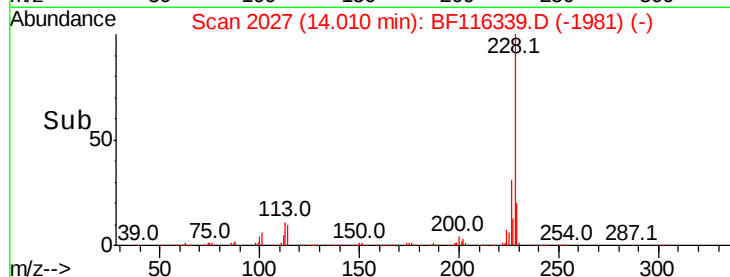
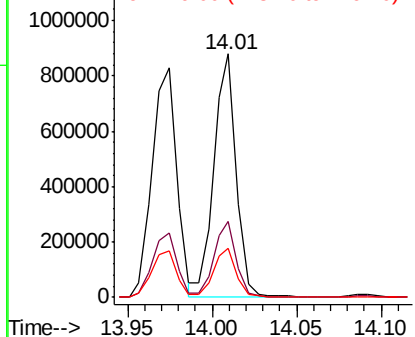


Abundance

Ion 228.00 (227.70 to 228.70): E

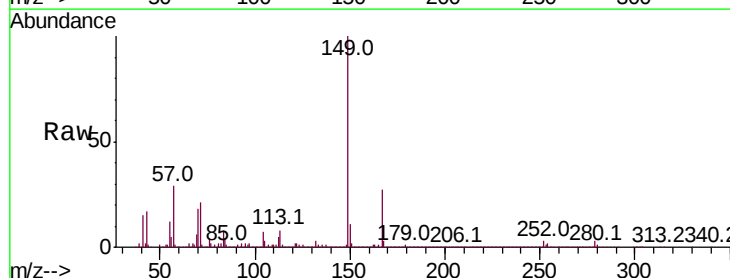
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 59.523 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.04 min
 Lab File: BF116339.D
 Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.6	32.4
279	3.4	3.0	4.4

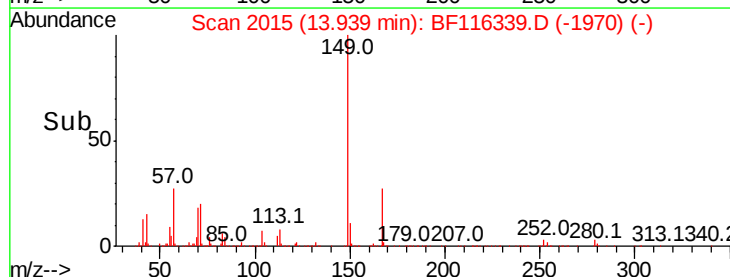
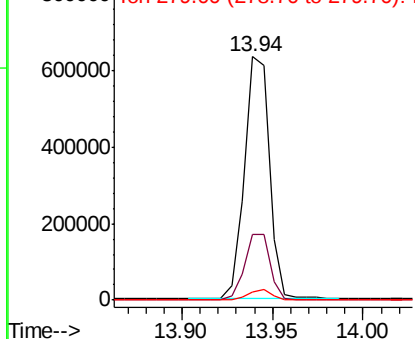


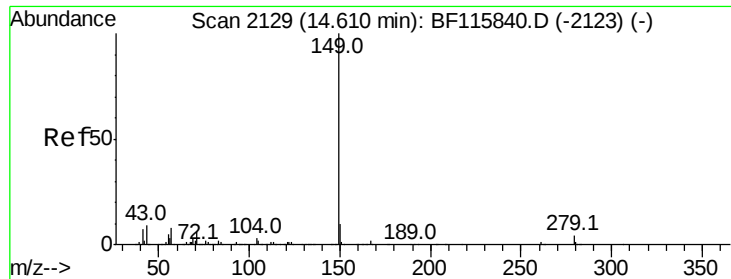
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 57.952 ng

RT: 14.55 min Scan# 2119

Delta R.T. -0.04 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

Instrument :

BNA_F

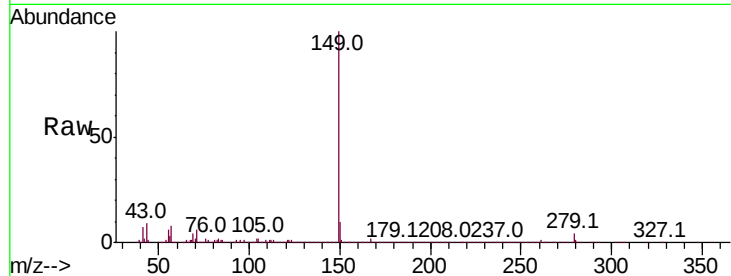
ClientSampleId :

RBR-200057-200054MSD

Tot Ion:	149	Resp:	934617
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.4	2.0
43	8.5	7.5	11.3

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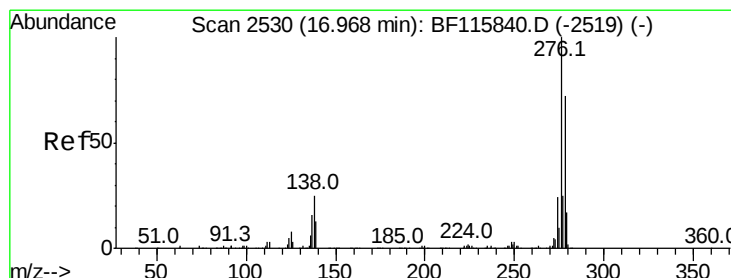
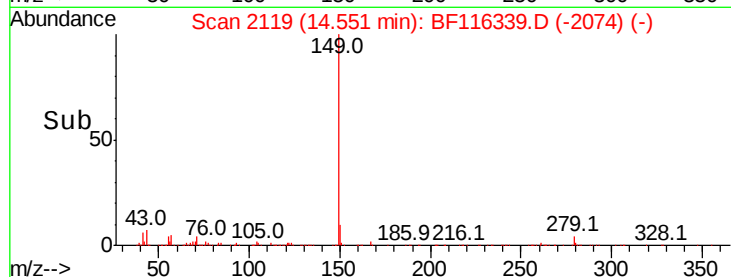
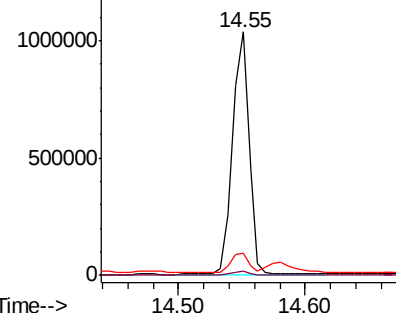
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 65.220 ng

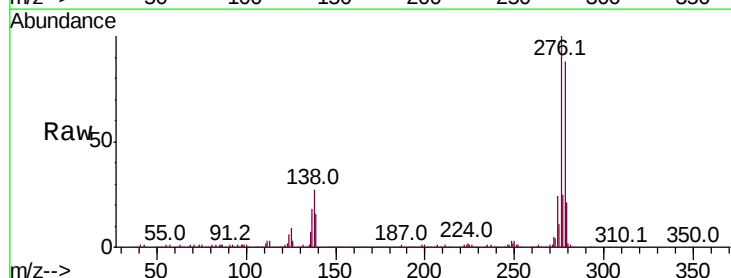
RT: 16.91 min Scan# 2520

Delta R.T. -0.04 min

Lab File: BF116339.D

Acq: 17 Aug 2019 1:10

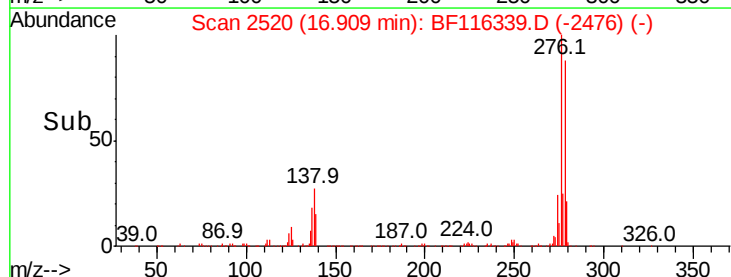
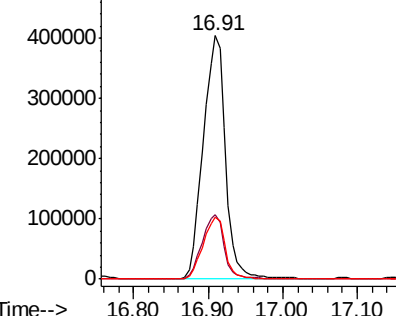
Tgt Ion:	276	Resp:	832907
Ion Ratio	Lower	Upper	
276	100		
138	26.0	20.4	30.6
277	25.3	20.0	30.0

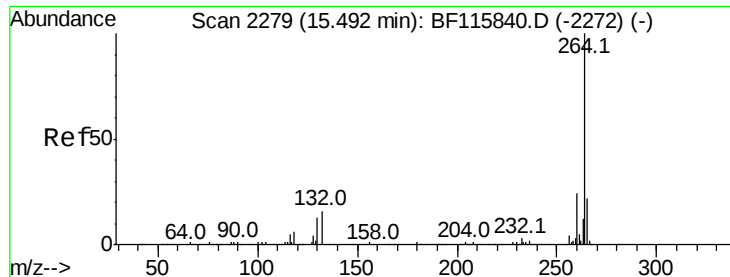


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





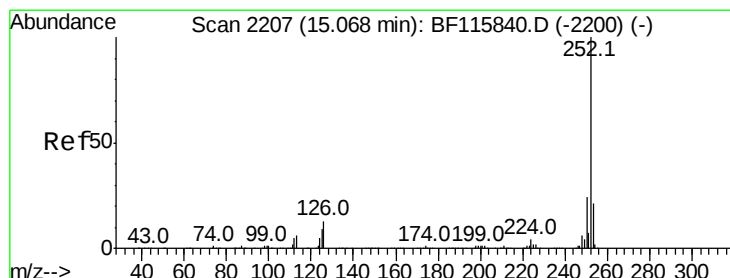
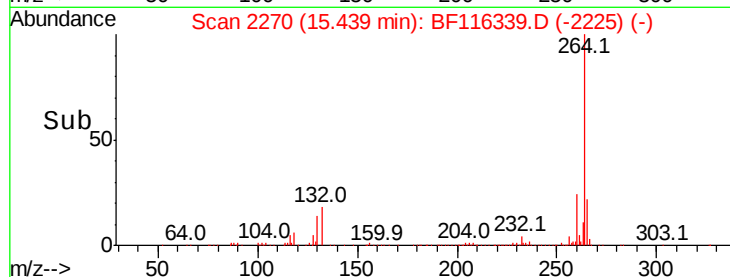
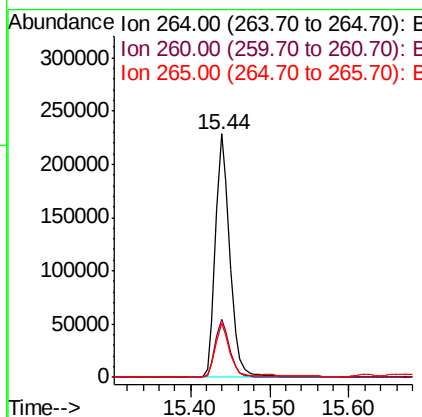
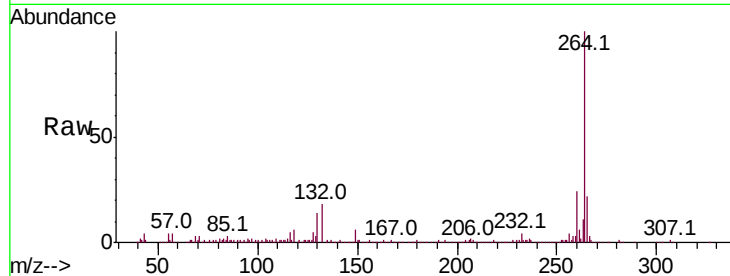
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	22.2	17.4	26.0

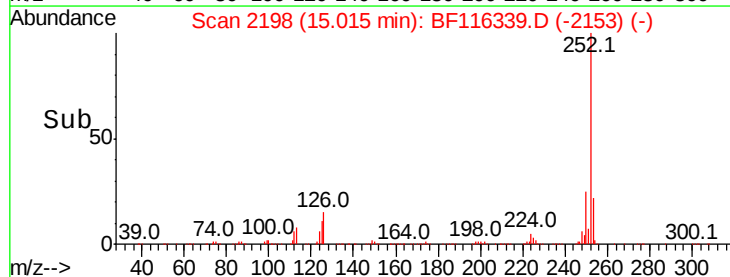
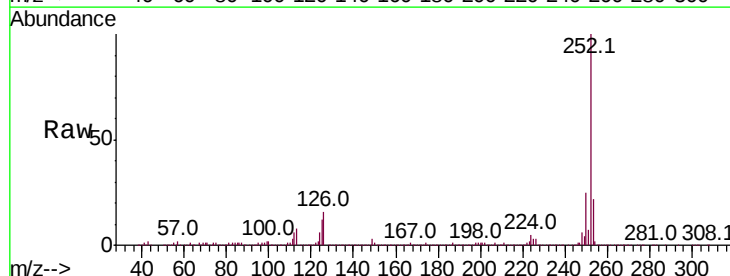
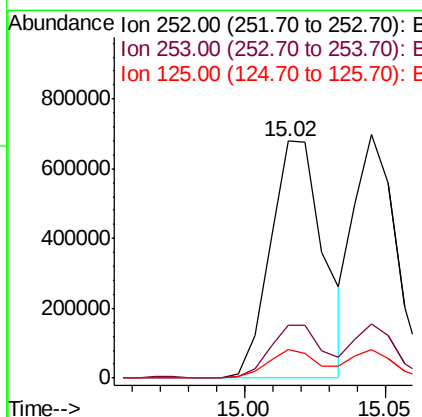
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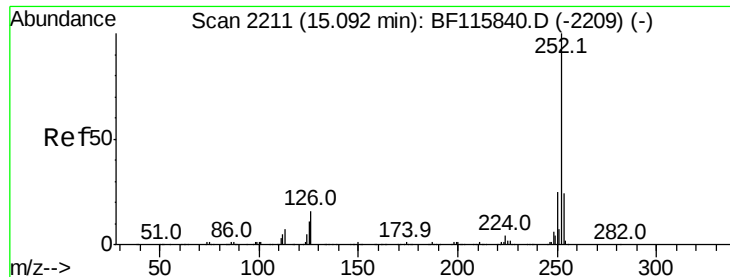
mohammad
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#88
Benzo(b)fluoranthene
Concen: 52.850 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.8	8.4	12.6





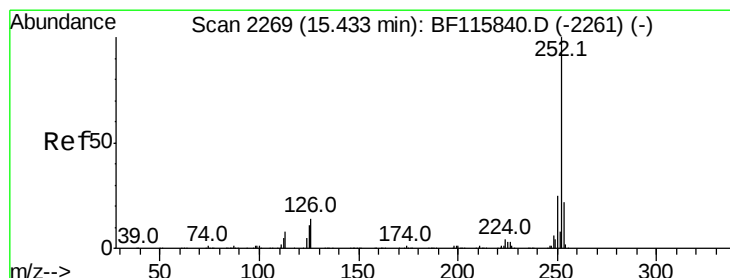
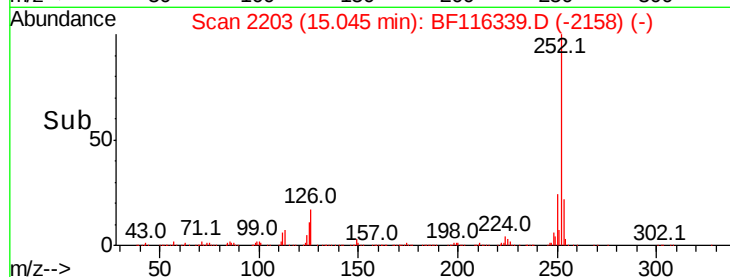
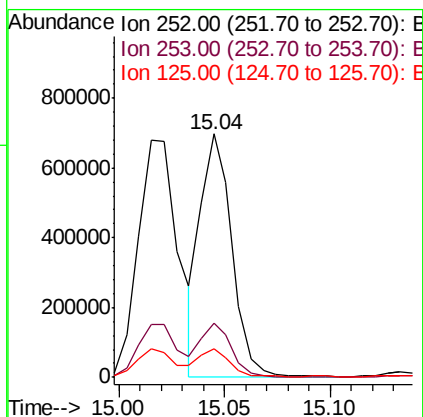
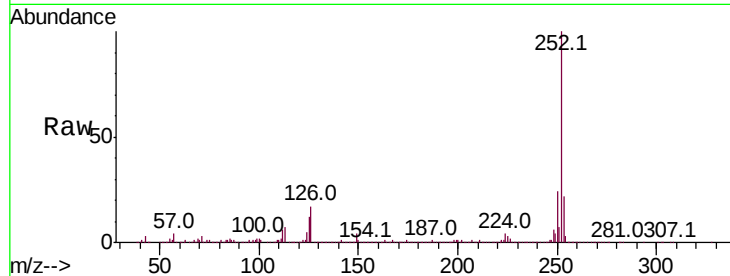
#89
Benzo(k)fluoranthene
Concen: 44.007 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.6	7.7	11.5

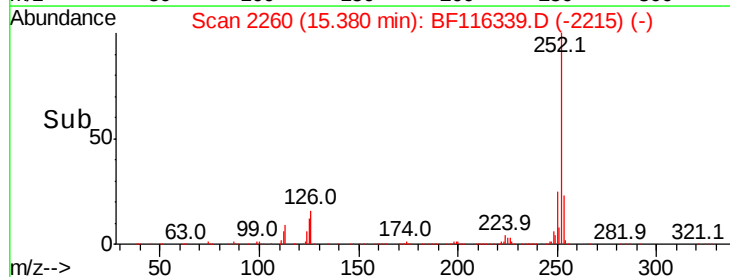
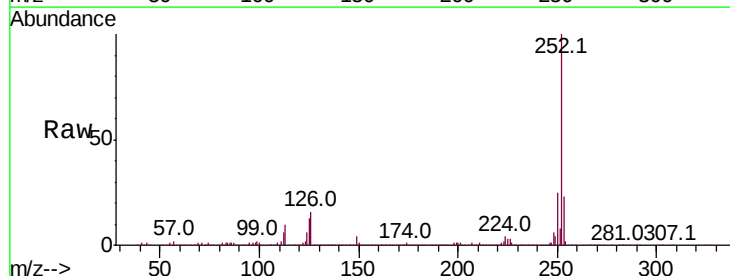
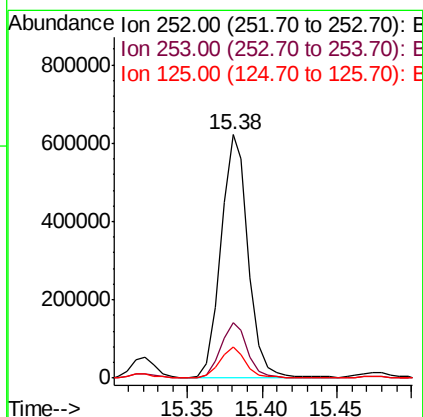
Manual Integrations
APPROVED

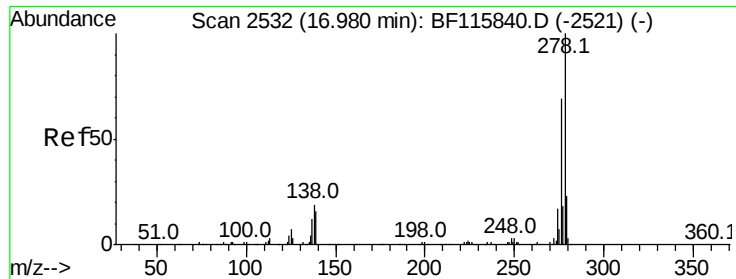
mohammad
8/20/2019 8:37:16 AM



#90
Benzo(a)pyrene
Concen: 52.901 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.6	8.9	13.3





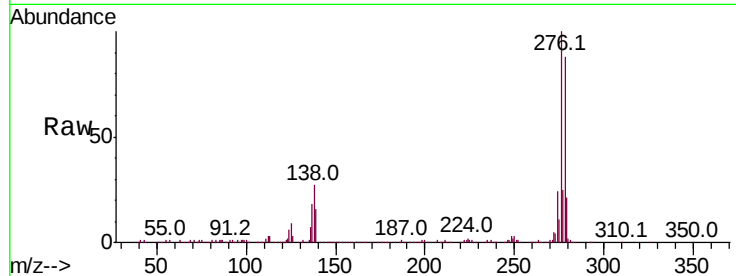
#91
Dibenzo(a,h)anthracene
Concen: 52.176 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.05 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.6	12.8	19.2
279	23.4	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/20/2019 8:37:16 AM

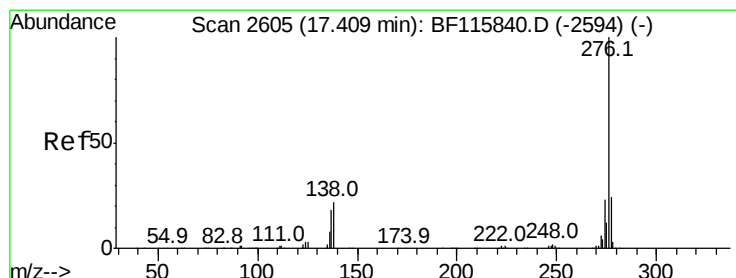
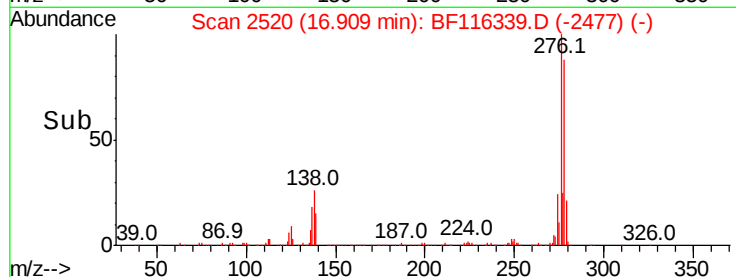
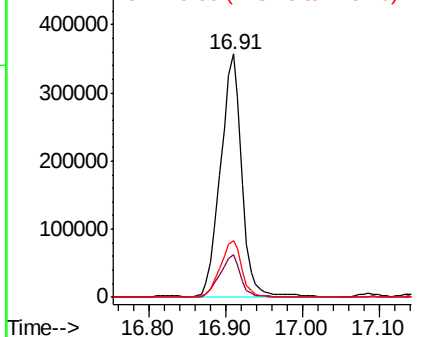


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 53.994 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.04 min
Lab File: BF116339.D
Acq: 17 Aug 2019 1:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.4	27.6
138	22.3	17.0	25.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

