

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
 Data File : BF116338.D
 Acq On : 17 Aug 2019 00:42
 Operator : HP/JU
 Sample : K4355-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:37:14 AM

Quant Time: Aug 19 01:03:15 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	149377	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	572018	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	284854	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	426981	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	250454	20.00	ng	-0.03
87) Perylene-d12	15.44	264	299959	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	834466	93.52	ng	-0.02
7) Phenol-d6	6.46	99	1064014	94.51	ng	-0.02
23) Nitrobenzene-d5	7.39	82	683722	69.00	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	239012	86.54	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	1151464	75.72	ng	-0.04
79) Terphenyl-d14	12.92	244	934848	78.65	ng	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	164012	36.384	ng	98
3) Pyridine	3.39	79	435436	34.580	ng	99
4) n-Nitrosodimethylamine	3.35	42	194188	39.077	ng	96
6) Aniline	6.49	93	420314	26.070	ng	# 83
8) 2-Chlorophenol	6.61	128	436366	44.224	ng	98
9) Benzaldehyde	6.37	77	209757	27.003	ng	99
10) Phenol	6.48	94	559181	42.179	ng	96
11) bis(2-Chloroethyl)ether	6.56	93	425800	43.685	ng	99
12) 1,3-Dichlorobenzene	6.76	146	463284	40.627	ng	99
13) 1,4-Dichlorobenzene	6.83	146	473831	41.499	ng	99
14) 1,2-Dichlorobenzene	6.99	146	439975	41.849	ng	99
15) Benzyl Alcohol	6.97	79	350998	41.083	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	546088	41.075	ng	79
17) 2-Methylphenol	7.08	107	356653	42.688	ng	97
18) Hexachloroethane	7.32	117	170893	40.652	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	297793	42.686	ng	98
20) 3+4-Methylphenols	7.24	107	447007	45.212	ng	# 82
22) Acetophenone	7.23	105	583836	46.539	ng	94
24) Nitrobenzene	7.40	77	481879	45.035	ng	99
25) Isophorone	7.64	82	868860	45.853	ng	98
26) 2-Nitrophenol	7.72	139	234043	46.402	ng	97
27) 2,4-Dimethylphenol	7.76	122	382489	50.404	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	534976	45.550	ng	99
29) 2,4-Dichlorophenol	7.97	162	374352	46.722	ng	100
30) 1,2,4-Trichlorobenzene	8.04	180	399352	43.725	ng	99
31) Naphthalene	8.12	128	1234519	45.862	ng	100
32) Benzoic acid	7.93	122	235542	44.026	ng	97
33) 4-Chloroaniline	8.17	127	220602	18.342	ng	98
34) Hexachlorobutadiene	8.23	225	224591	42.692	ng	99
35) Caprolactam	8.55	113	113254m	43.704	ng	
36) 4-Chloro-3-methylphenol	8.67	107	382133	45.845	ng	99
37) 2-Methylnaphthalene	8.81	142	797731	44.999	ng	100
38) 1-Methylnaphthalene	8.91	142	743208	44.315	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	363657	47.753	ng	99

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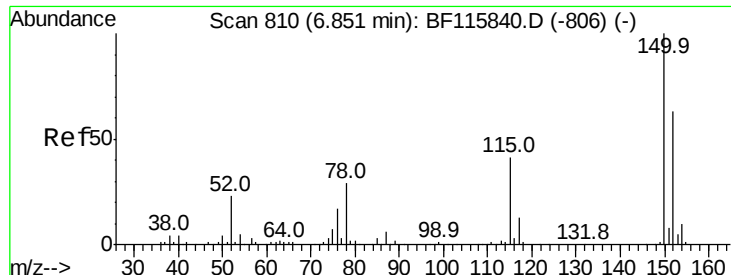
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	101421	33.392	nq	100
43) 2,4,6-Trichlorophenol	9.10	196	233769	44.598	nq	100
44) 2,4,5-Trichlorophenol	9.15	196	243308	44.904	nq	98
46) 1,1'-Biphenyl	9.27	154	959515	47.712	nq	99
47) 2-Chloronaphthalene	9.30	162	755691	45.148	nq	99
48) 2-Nitroaniline	9.40	65	241250	43.606	nq	95
49) Acenaphthylene	9.72	152	1103726	45.199	nq	99
50) Dimethylphthalate	9.57	163	1059997	54.652	nq	100
51) 2,6-Dinitrotoluene	9.65	165	197565	46.872	nq	96
52) Acenaphthene	9.89	154	688681	45.971	nq	99
53) 3-Nitroaniline	9.82	138	139017	26.692	nq	98
54) 2,4-Dinitrophenol	9.94	184	55895	31.339	nq	96
55) Dibenzofuran	10.06	168	944457	43.352	nq	98
56) 4-Nitrophenol	10.00	139	240975	72.228	nq	95
57) 2,4-Dinitrotoluene	10.06	165	226163	40.301	nq	# 89
58) Fluorene	10.40	166	763598	45.557	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.19	232	199599	43.786	nq	99
60) Diethylphthalate	10.27	149	823383	45.471	nq	100
61) 4-Chlorophenyl-phenylether	10.39	204	385041	45.358	nq	96
62) 4-Nitroaniline	10.43	138	181503	33.722	nq	98
63) Azobenzene	10.55	77	829128	44.516	nq	98
65) 4,6-Dinitro-2-methylphenol	10.47	198	57442	25.386	nq	96
66) n-Nitrosodiphenylamine	10.51	169	667949	51.974	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	222258	48.625	nq	98
68) Hexachlorobenzene	10.96	284	235934	44.639	nq	99
69) Atrazine	11.04	200	199526	47.192	nq	98
70) Pentachlorophenol	11.16	266	216714	84.454	nq	99
71) Phenanthrene	11.37	178	1106933	50.711	nq	99
72) Anthracene	11.42	178	1051384	47.593	nq	99
73) Carbazole	11.57	167	904199	45.115	nq	100
74) Di-n-butylphthalate	11.89	149	1122405	48.007	nq	99
75) Fluoranthene	12.56	202	1128466	49.382	nq	97
77) Benzidine	12.68	184	110296	13.035	nq	97
78) Pyrene	12.79	202	1141309	60.452	nq	100
80) Butylbenzylphthalate	13.39	149	519488	65.049	nq	96
81) Benzo(a)anthracene	13.97	228	851455	53.189	nq	99
82) 3,3'-Dichlorobenzidine	13.93	252	98721	17.751	nq	98
83) Chrysene	14.01	228	823871	53.011	nq	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	611861	58.958	nq	99
85) Di-n-octyl phthalate	14.55	149	926881	56.229	nq	97
86) Indeno(1,2,3-cd)pyrene	16.91	276	864570	66.235	nq	99
88) Benzo(b)fluoranthene	15.02	252	882526	50.884	nq	99
89) Benzo(k)fluoranthene	15.04	252	742518m	43.954	nq	
90) Benzo(a)pyrene	15.38	252	810043	52.247	nq	98
91) Dibenzo(a,h)anthracene	16.91	278	702142	52.318	nq	99
92) Benzo(g,h,i)perylene	17.34	276	722880	54.846	nq	95

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



#1

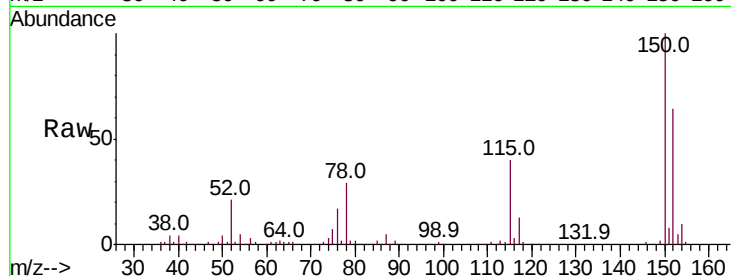
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

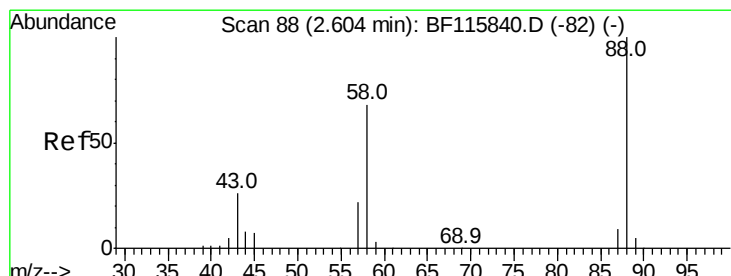
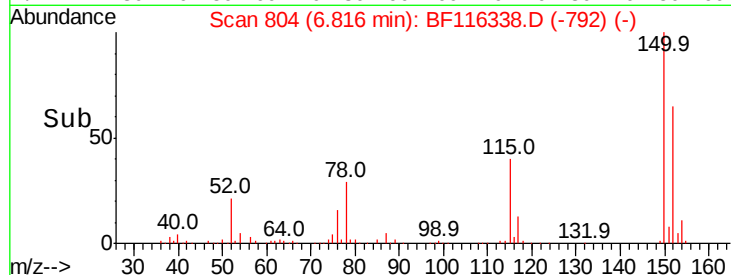
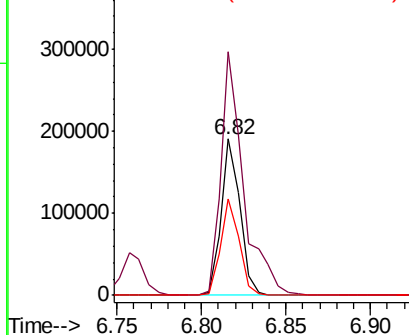
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	62.1	49.9	74.9

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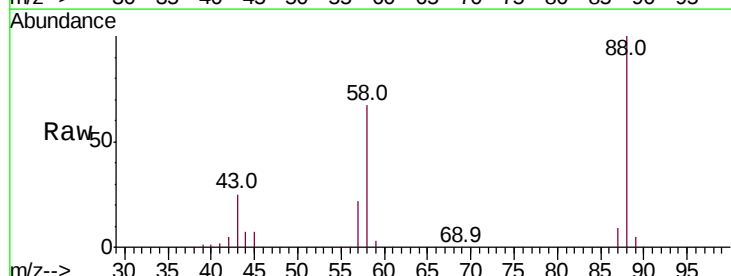
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



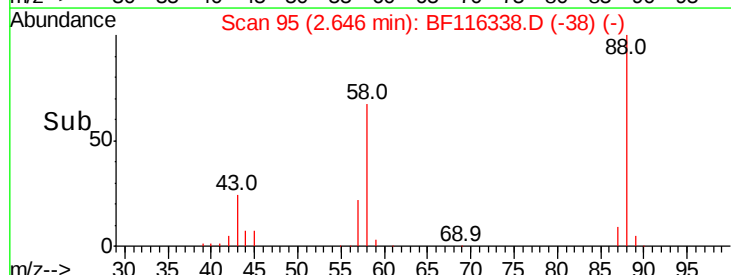
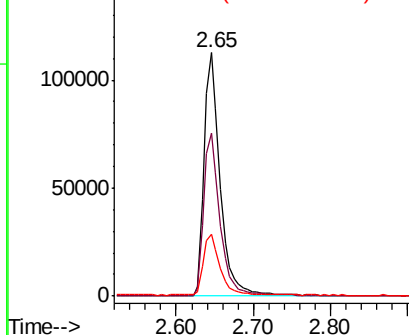
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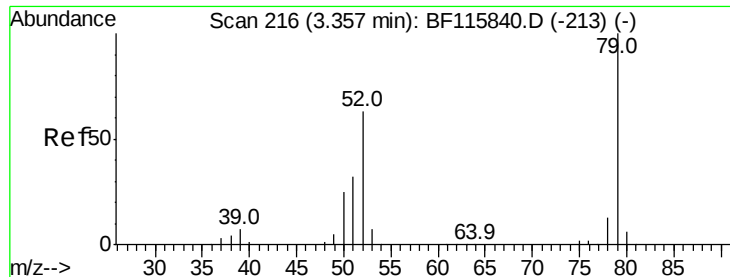
1,4-Dioxane
Concen: 36.384 ng
RT: 2.65 min Scan# 95
Delta R.T. 0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.8	53.7	80.5
43	25.2	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: 34.580 ng

RT: 3.39 min Scan# 222

Delta R.T. 0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

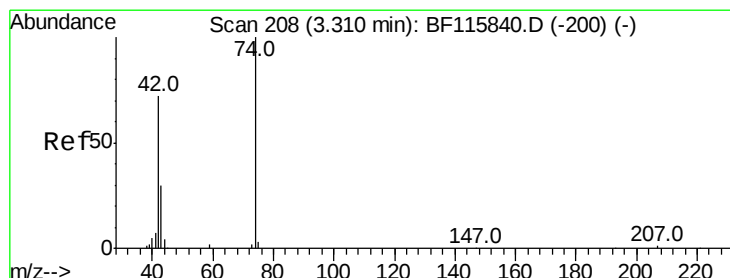
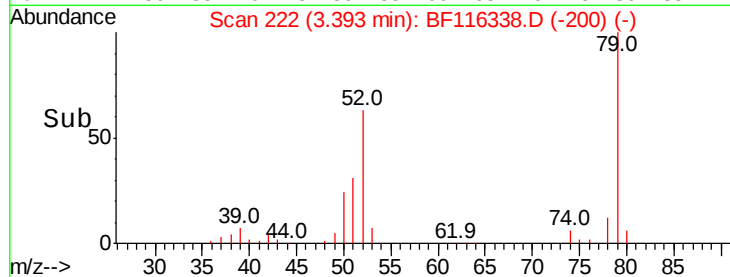
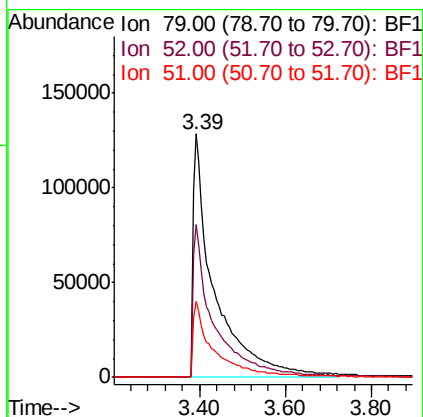
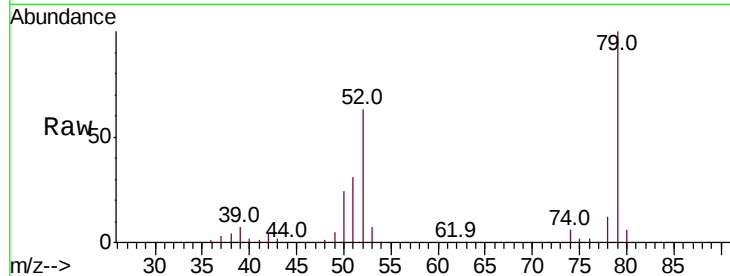
ClientSampleId :

RBR-200057-200054MS

Tot Ion:	79	Resp:	435436
Ion Ratio	Lower	Upper	
79	100		
52	63.0	49.8	74.8
51	31.1	25.2	37.8

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#4

n-Nitrosodimethylamine

Concen: 39.077 ng

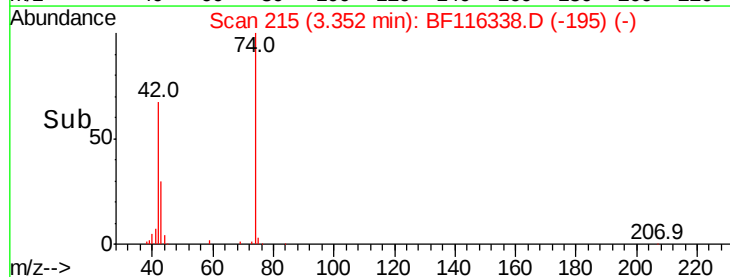
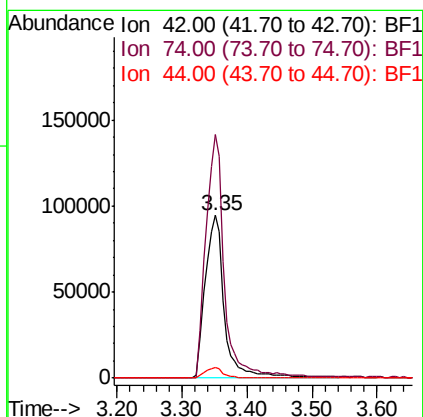
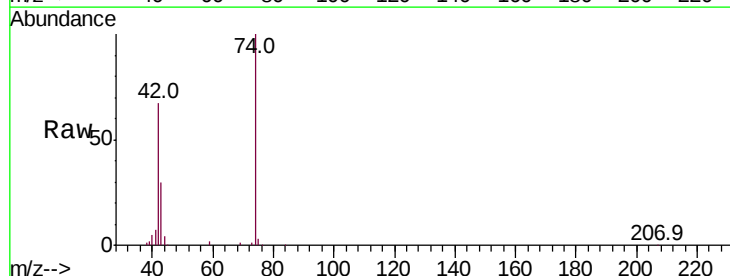
RT: 3.35 min Scan# 215

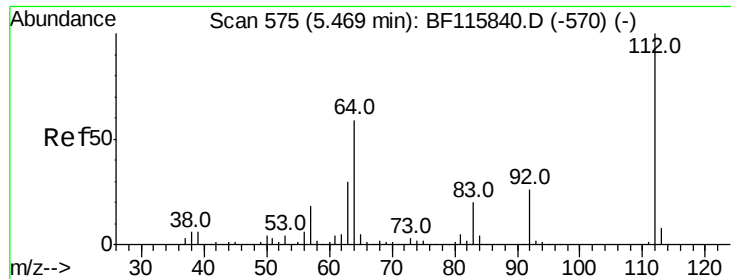
Delta R.T. 0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	42	Resp:	194188
Ion Ratio	Lower	Upper	
42	100		
74	149.9	116.0	174.0
44	6.5	4.6	7.0





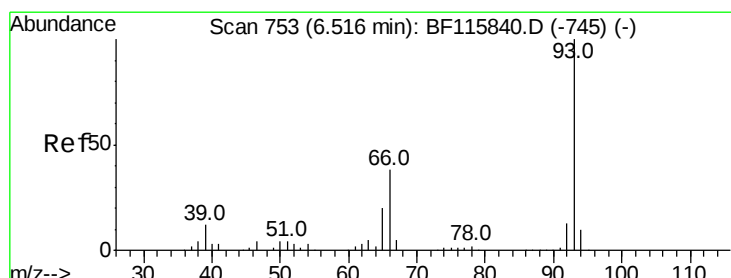
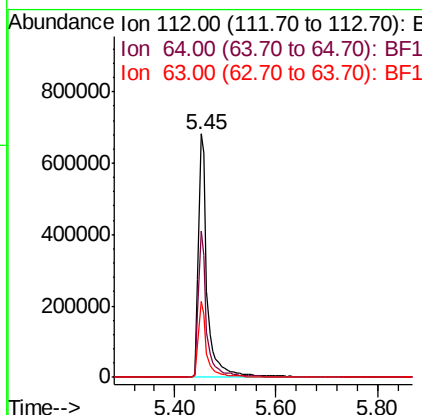
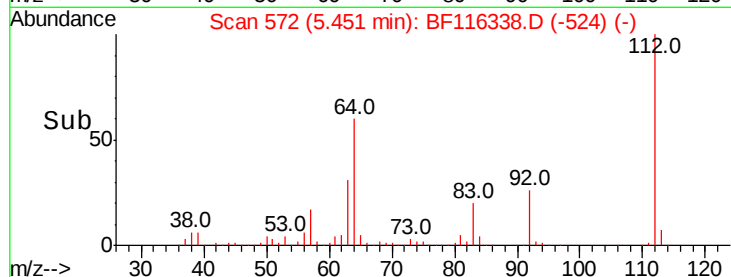
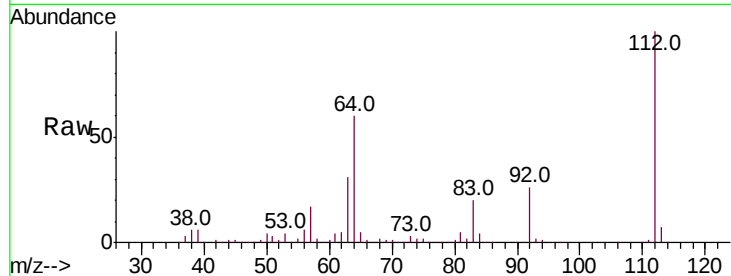
#5
 2-Fluorophenol
 Concen: 93.518 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.02 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

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Tot Ion:	112	Resp:	834466
Ion Ratio	Lower	Upper	
112	100		
64	60.3	45.4	68.2
63	31.0	23.7	35.5

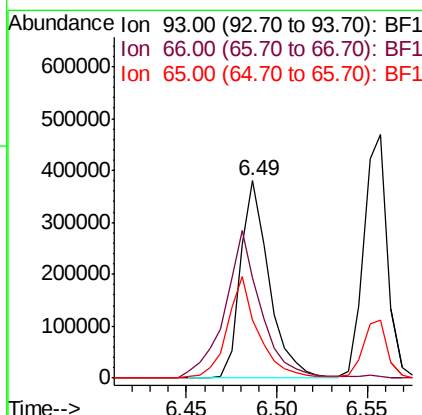
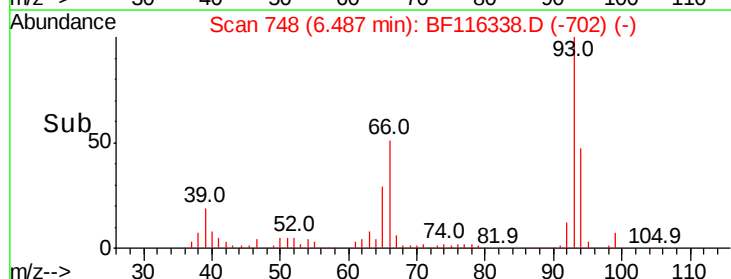
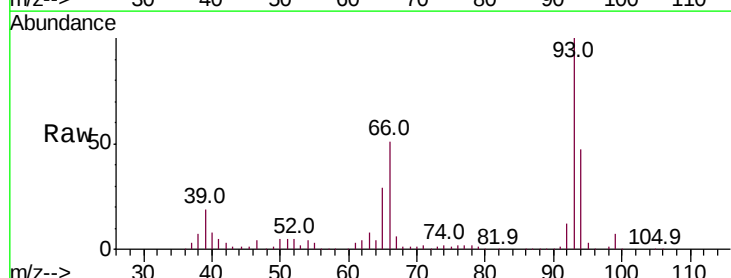
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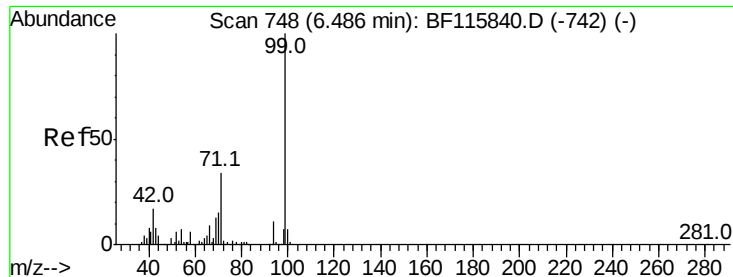
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#6
 Aniline
 Concen: 26.070 ng
 RT: 6.49 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion:	93	Resp:	420314
Ion Ratio	Lower	Upper	
93	100		
66	50.8	32.2	48.4#
65	29.5	17.0	25.6#





#7

Phenol-d6

Concen: 94.512 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

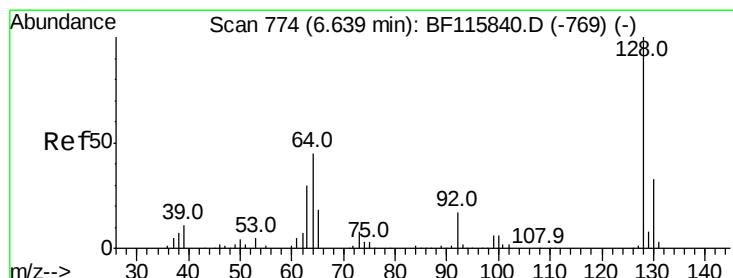
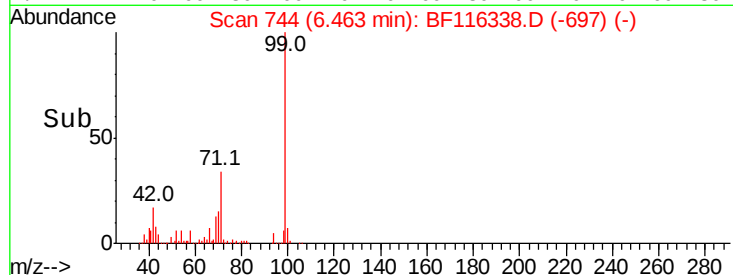
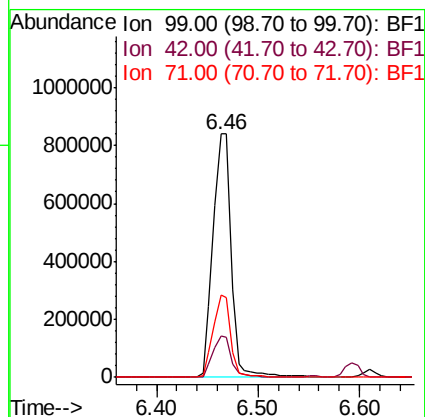
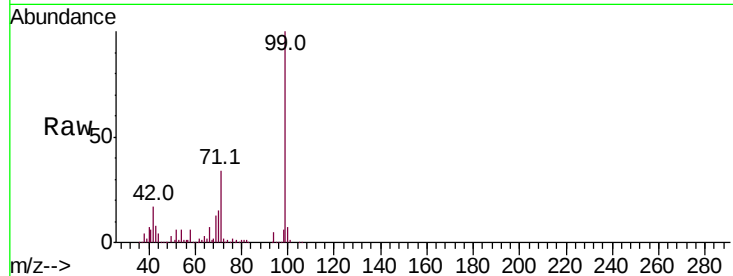
ClientSampleId :

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Tot Ion:	99	Resp:	1064014
Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.8	20.8
71	33.6	27.3	40.9

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#8

2-Chlorophenol

Concen: 44.224 ng

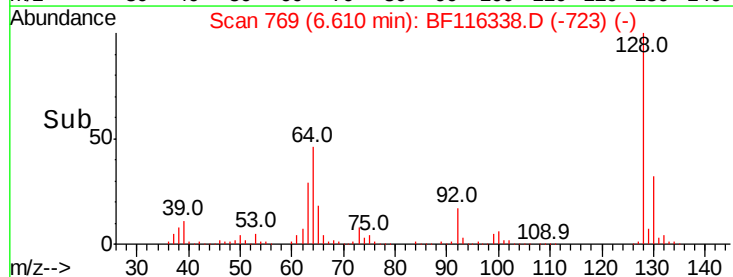
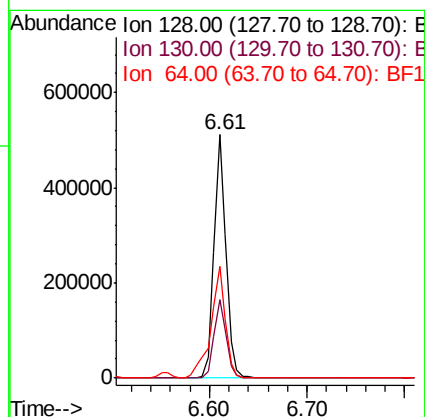
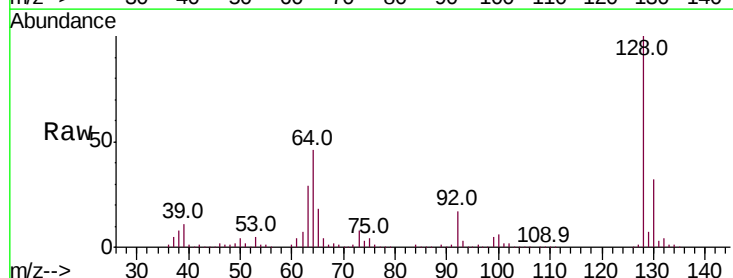
RT: 6.61 min Scan# 769

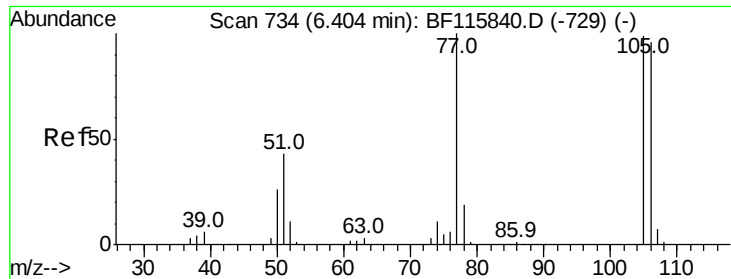
Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	128	Resp:	436366
Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	45.8	24.3	64.3





#9

Benzaldehyde

Concen: 27.003 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

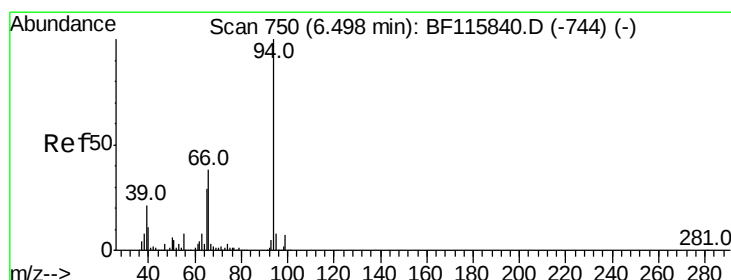
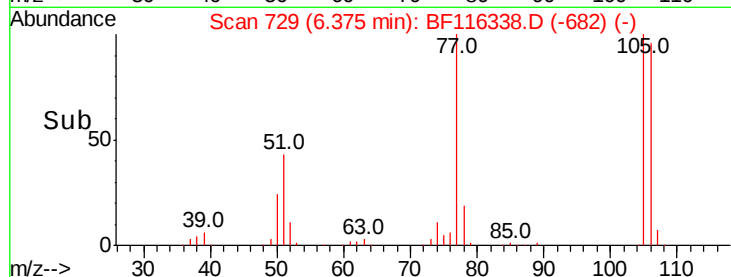
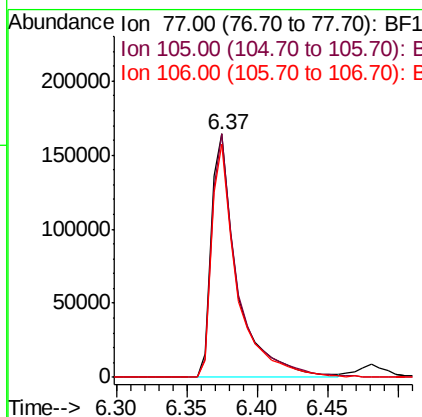
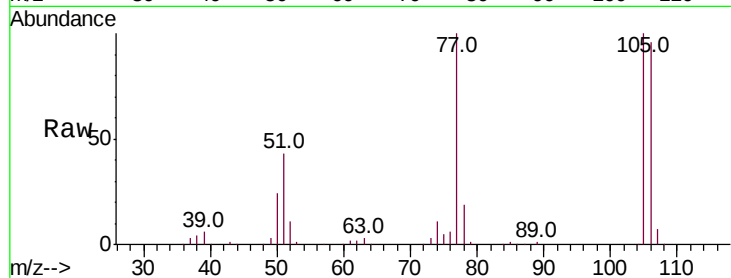
ClientSampleId :

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Tot Ion:	77	Resp:	209757
Ion Ratio	Lower	Upper	
77	100		
105	100.0	79.2	119.2
106	95.9	74.3	114.3

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#10

Phenol

Concen: 42.179 ng

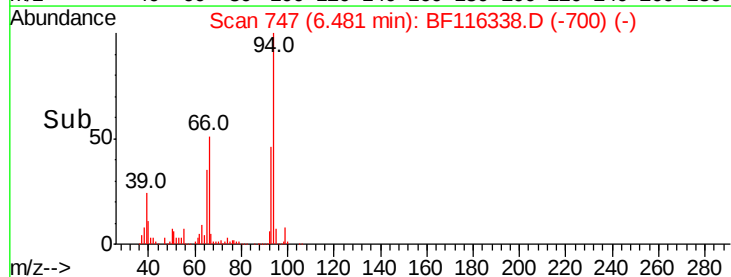
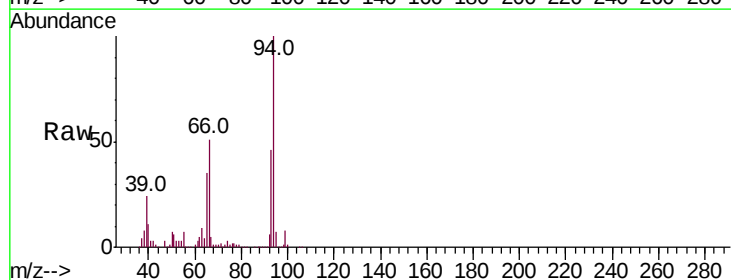
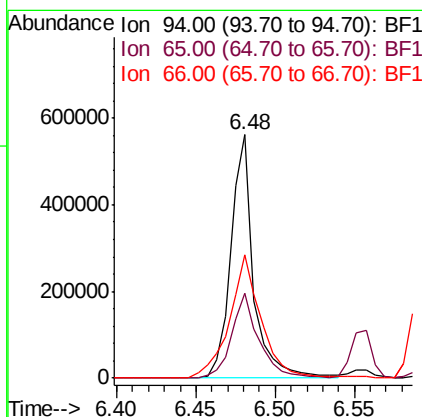
RT: 6.48 min Scan# 747

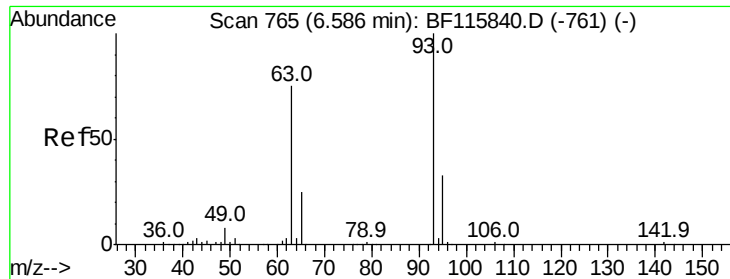
Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	94	Resp:	559181
Ion Ratio	Lower	Upper	
94	100		
65	34.6	16.8	56.8
66	50.8	34.2	74.2





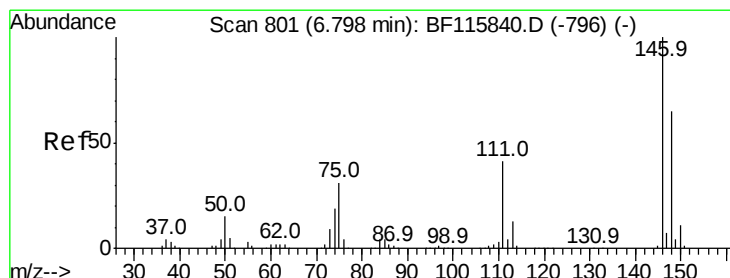
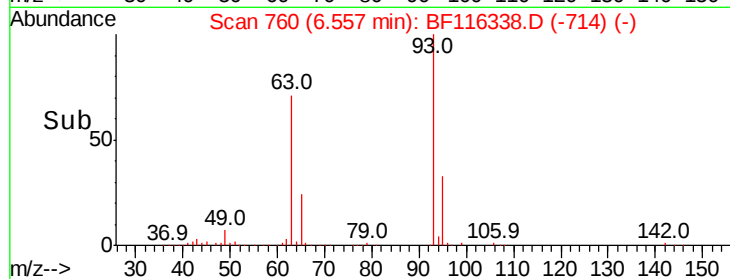
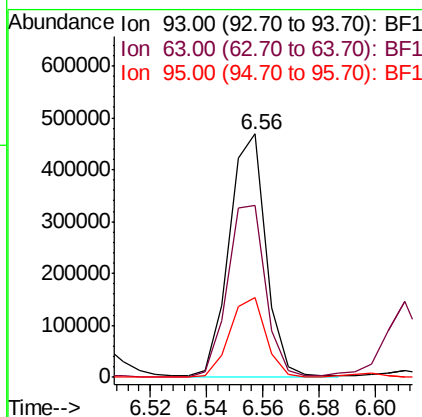
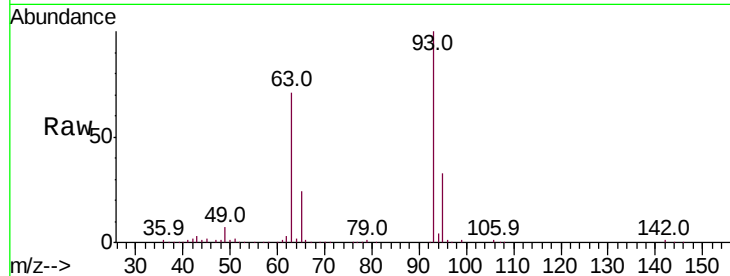
#11
bis(2-Chloroethyl)ether
Concen: 43.685 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	70.9	51.9	91.9	
95	32.8	13.0	53.0	

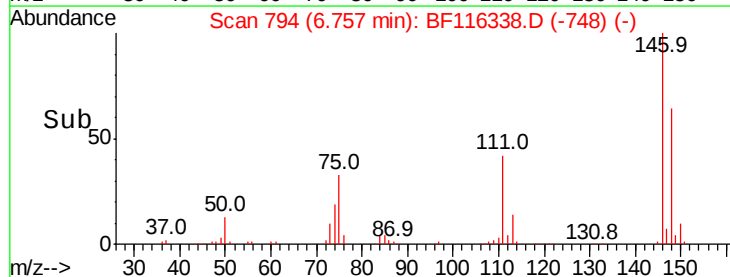
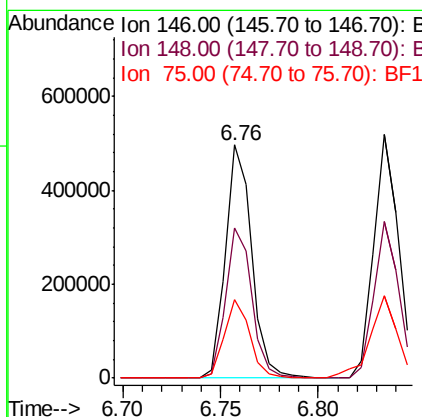
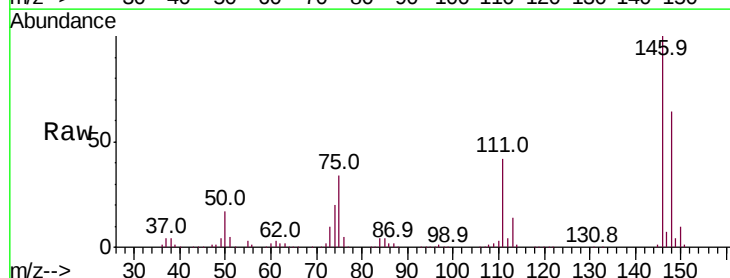
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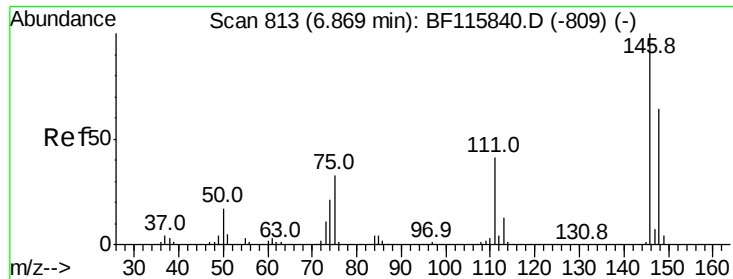
mohammad
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#12
1,3-Dichlorobenzene
Concen: 40.627 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.4	51.3	76.9	
75	33.9	27.4	41.2	





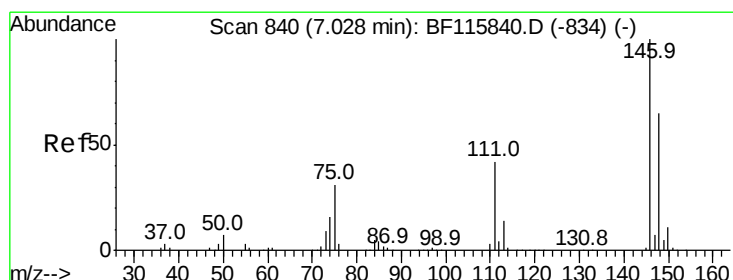
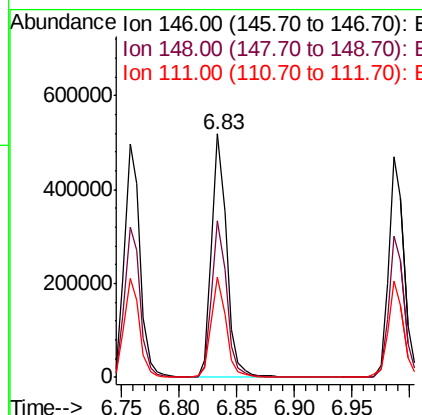
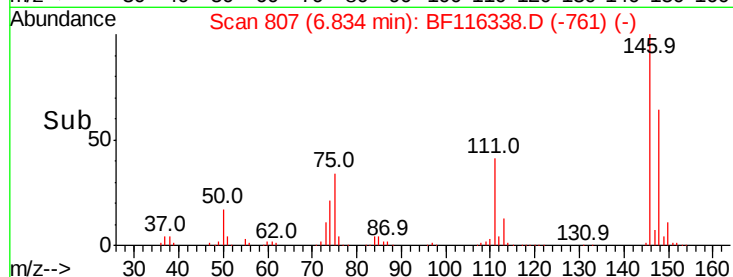
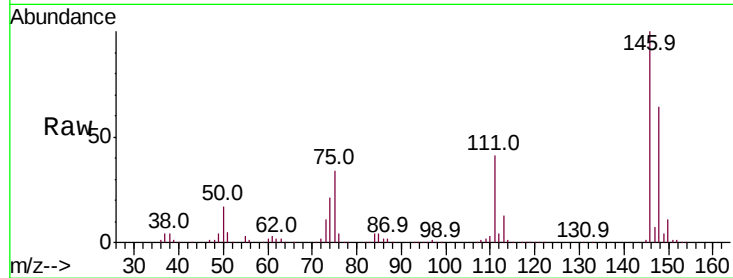
#13
 1,4-Dichlorobenzene
 Concen: 41.499 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.03 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	41.3	34.0	51.0

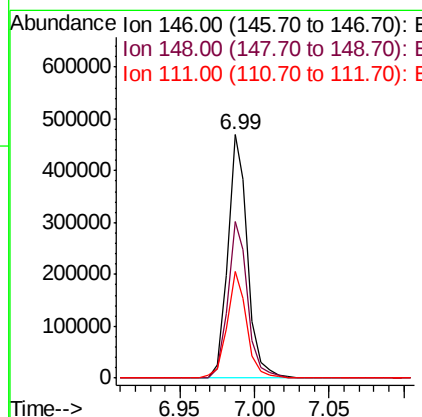
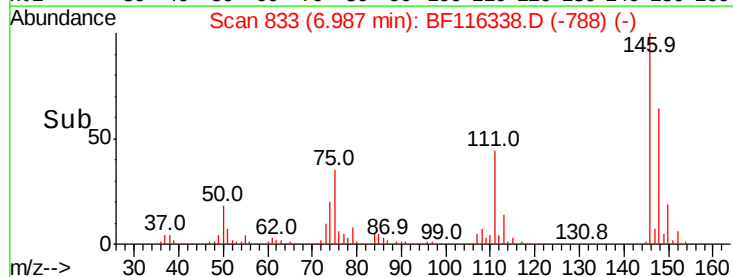
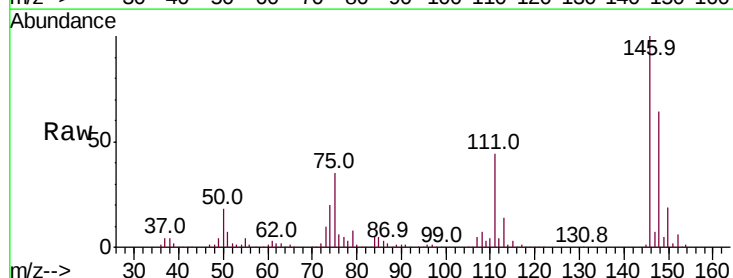
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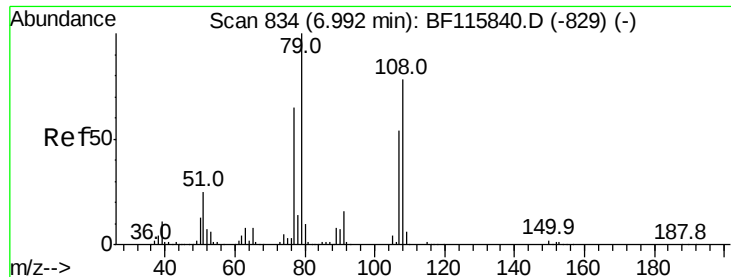
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 41.849 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.04 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
111	43.8	33.5	50.3





#15

Benzyl Alcohol

Concen: 41.083 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

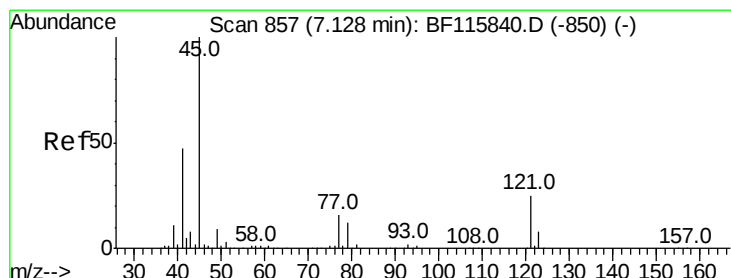
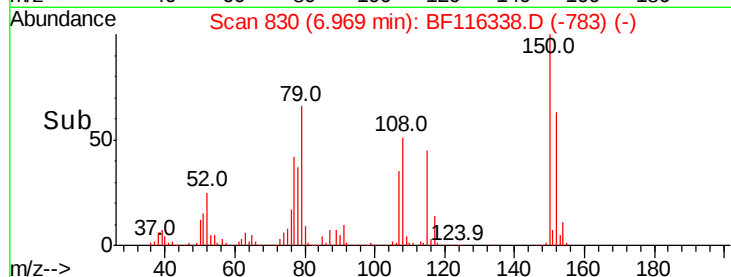
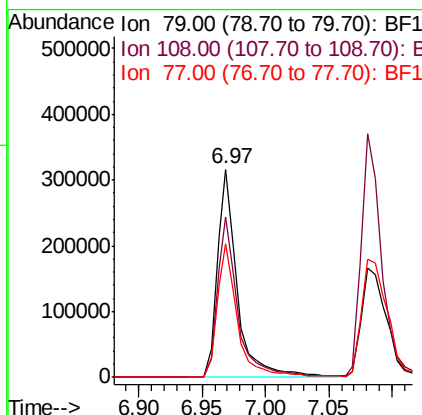
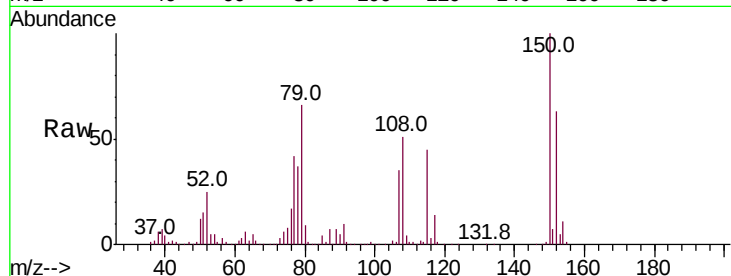
ClientSampleId :

RBR-200057-200054MS

Tot Ion:	79	Resp:	350998
Ion Ratio	Lower	Upper	
79	100		
108	77.0	62.7	94.1
77	64.0	52.2	78.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 41.075 ng

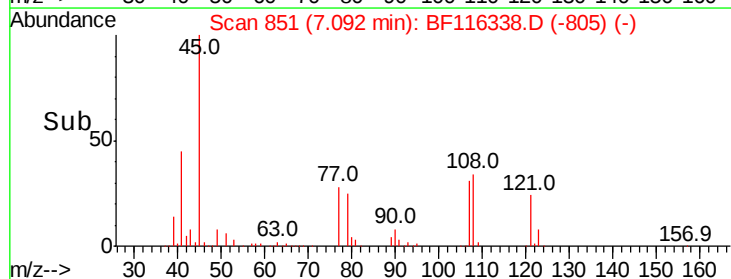
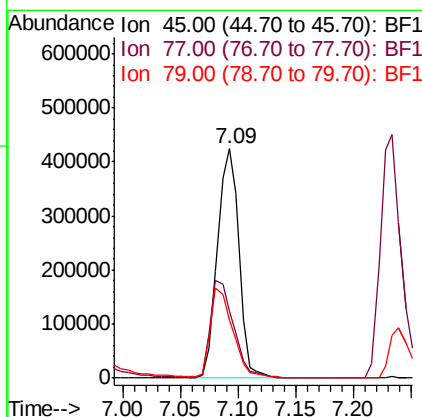
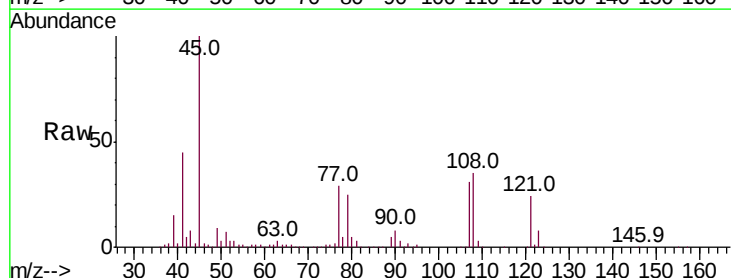
RT: 7.09 min Scan# 851

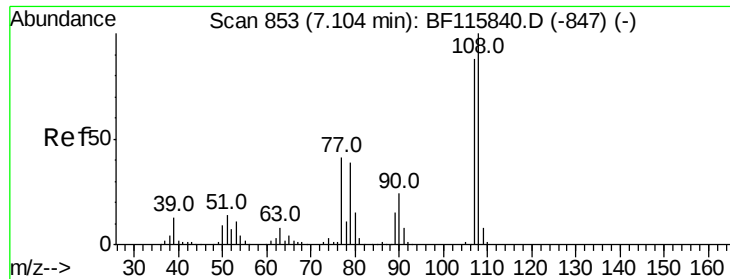
Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	45	Resp:	546088
Ion Ratio	Lower	Upper	
45	100		
77	29.2	0.0	40.0
79	25.4	0.0	35.9





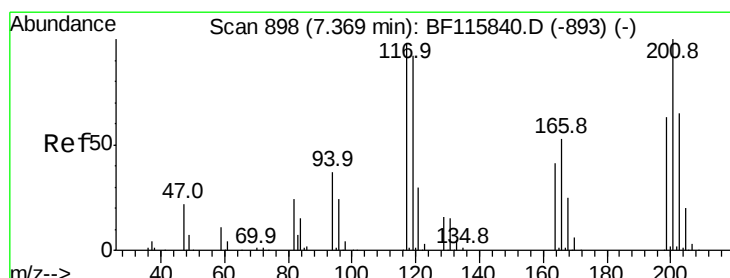
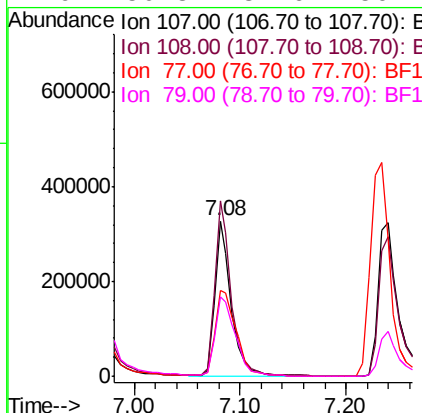
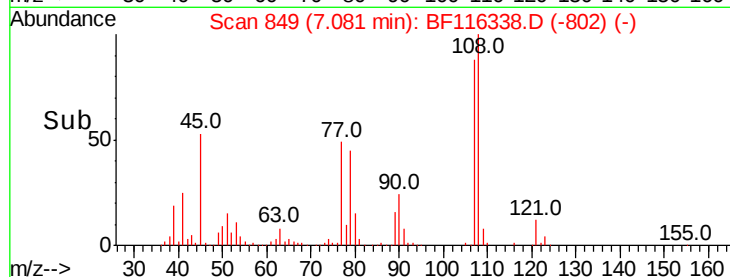
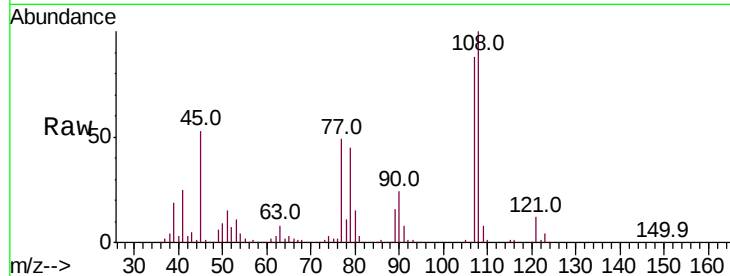
#17
2-Methylphenol
Concen: 42.688 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.1	91.2	136.8	
77	55.0	40.3	60.5	
79	50.8	37.6	56.4	

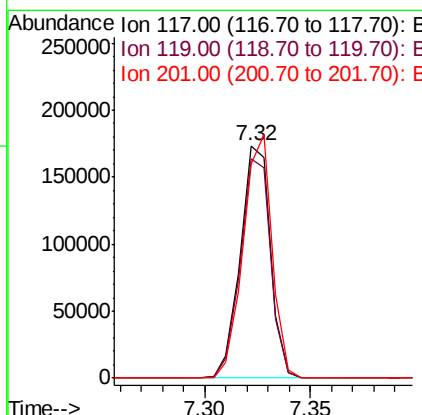
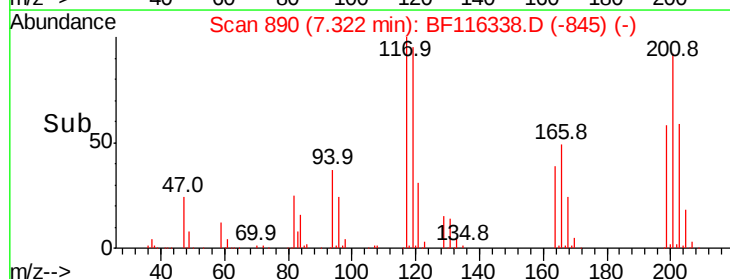
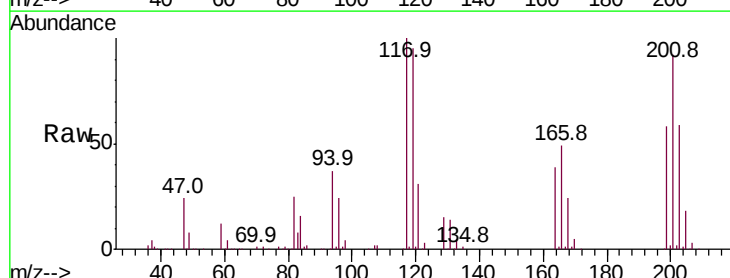
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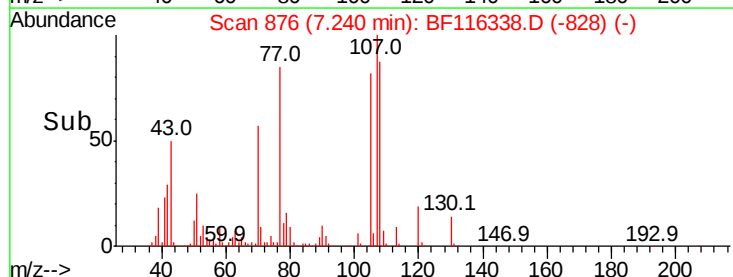
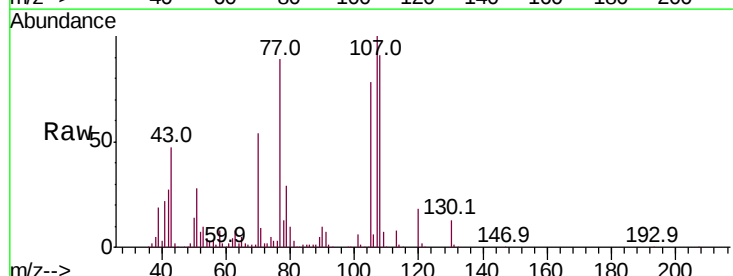
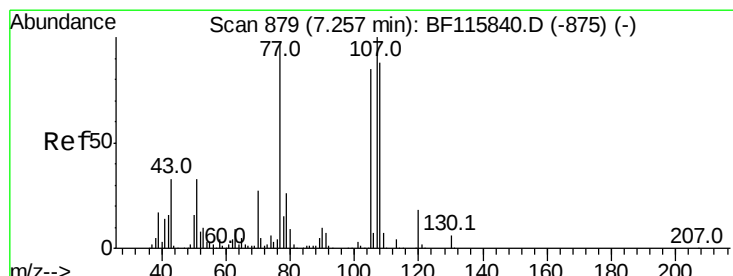
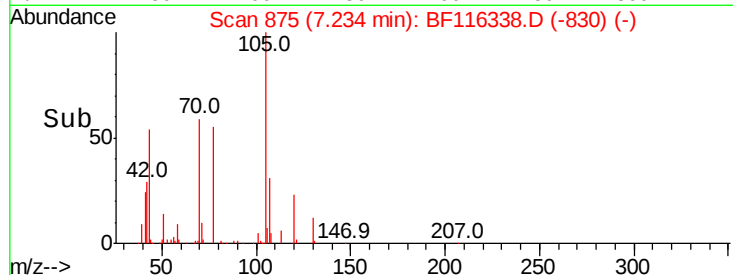
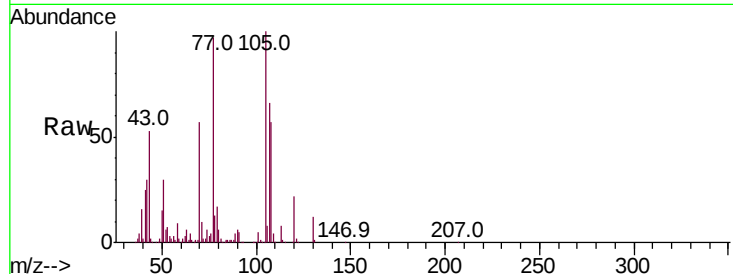
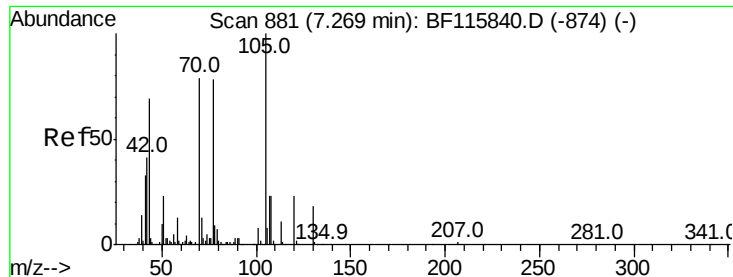
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#18
Hexachloroethane
Concen: 40.652 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.7	76.1	114.1	
201	92.0	77.0	115.4	





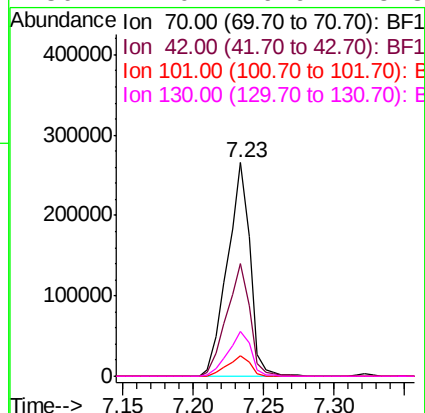
#19
n-Nitroso-di-n-propylamine
Concen: 42.686 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
297793	70	100			
	42	52.7		40.9	61.3
	101	9.4		7.9	11.9
	130	21.0		16.9	25.3

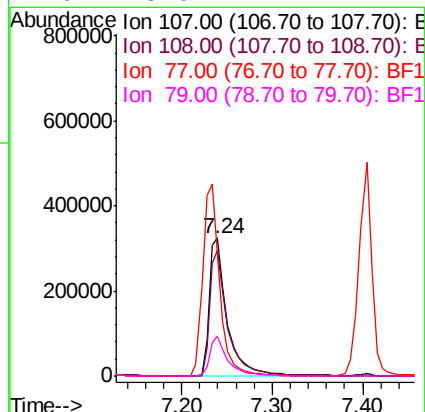
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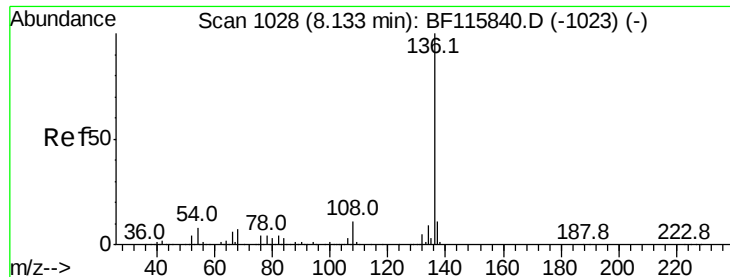
mohammad
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#20
3+4-Methylphenols
Concen: 45.212 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
447007	107	100			
	108	91.1		67.6	107.6
	77	88.8		104.4	144.4#
	79	28.9		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: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

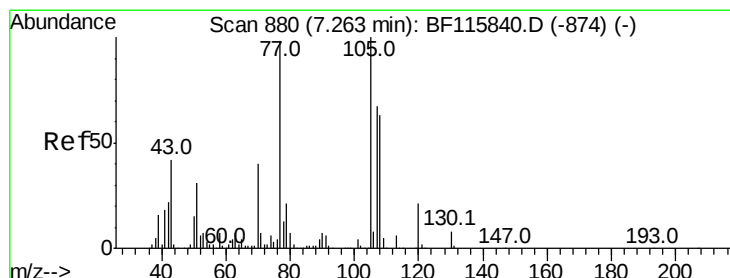
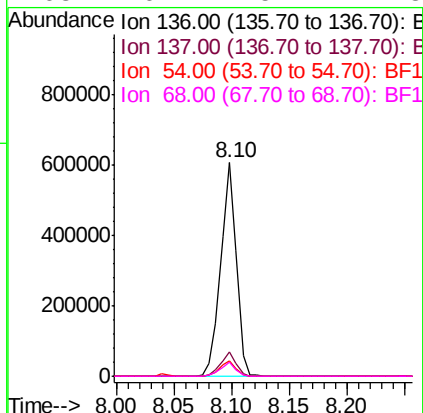
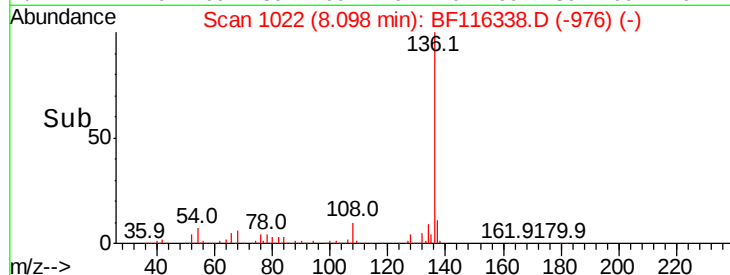
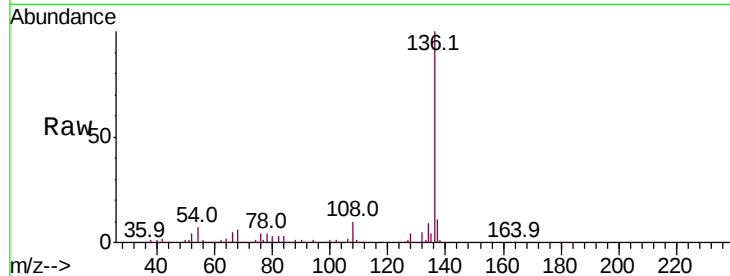
ClientSampleId :

RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	572018		
137	11.2		9.0	13.4
54	7.1		5.8	8.6
68	6.4		5.2	7.8

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#22

Acetophenone

Concen: 46.539 ng

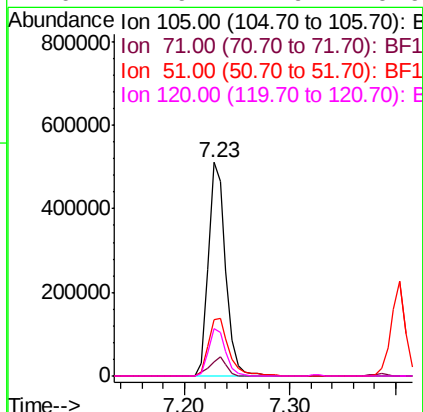
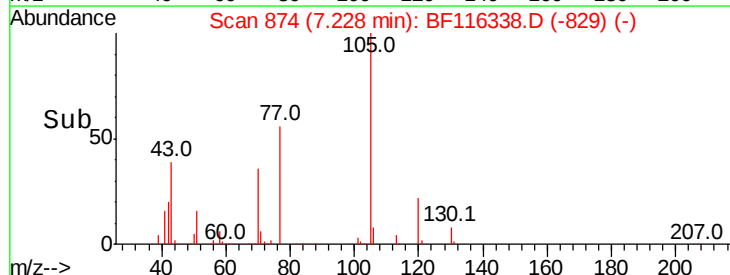
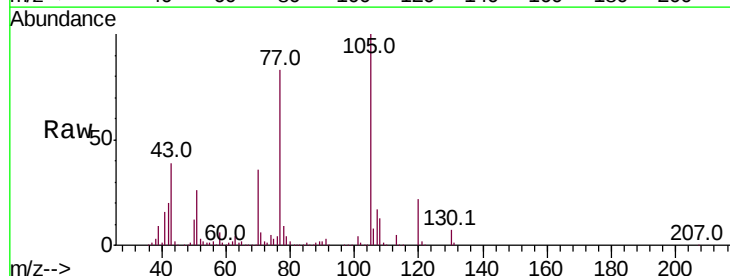
RT: 7.23 min Scan# 874

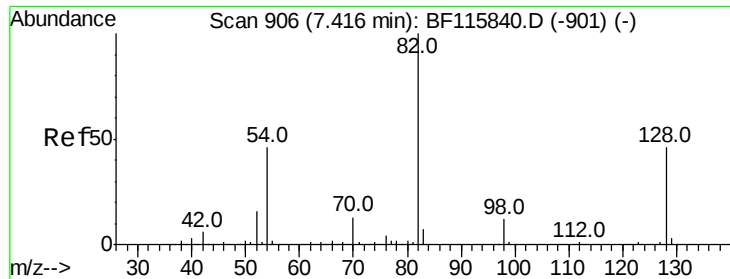
Delta R.T. -0.04 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	583836		
71	6.3		5.9	8.9
51	26.3		25.3	37.9
120	21.9		17.9	26.9





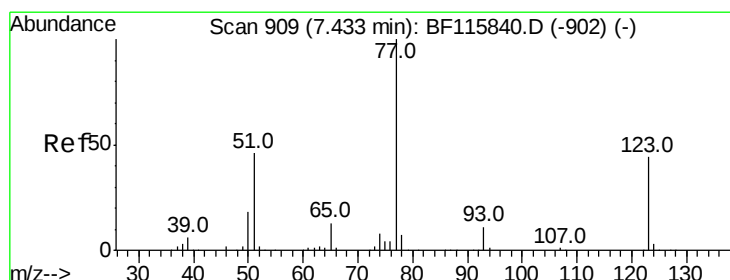
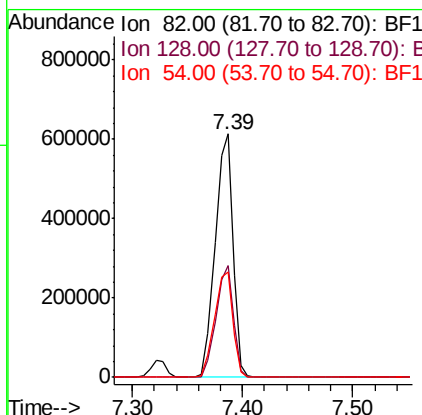
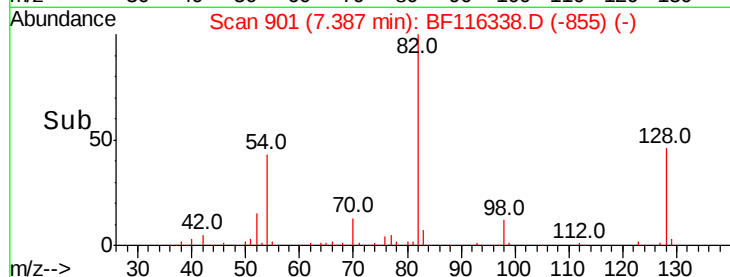
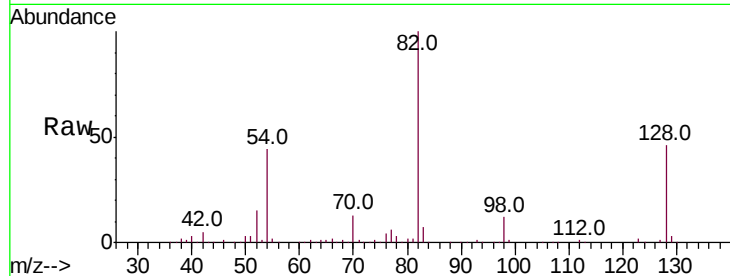
#23
Nitrobenzene-d5
Concen: 68.995 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.5	54.7
54	43.5	36.0	54.0

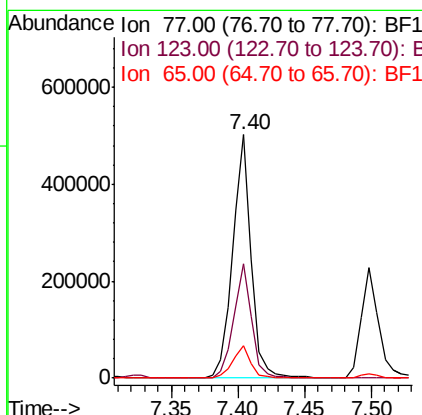
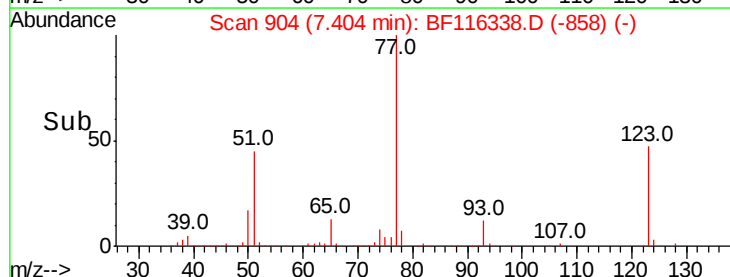
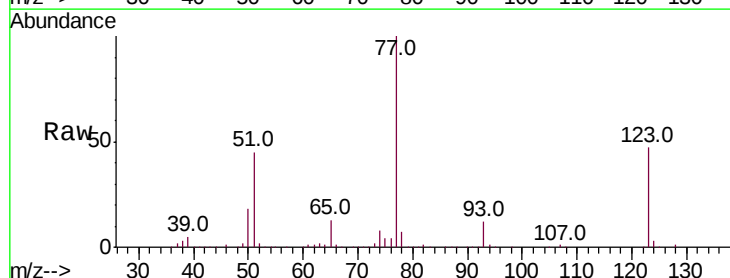
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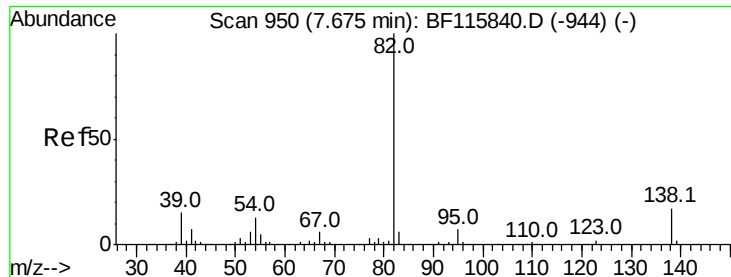
mohammad
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#24
Nitrobenzene
Concen: 45.035 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.8	36.7	55.1
65	13.4	10.6	16.0





#25

Isophorone

Concen: 45.853 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.04 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

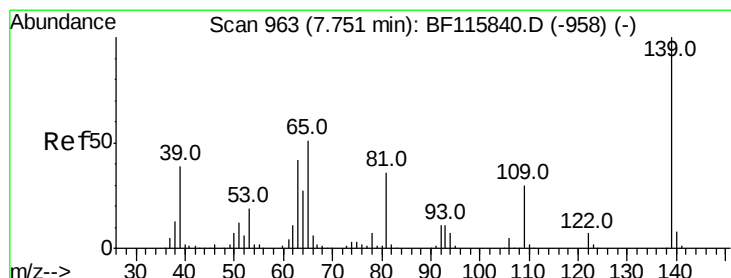
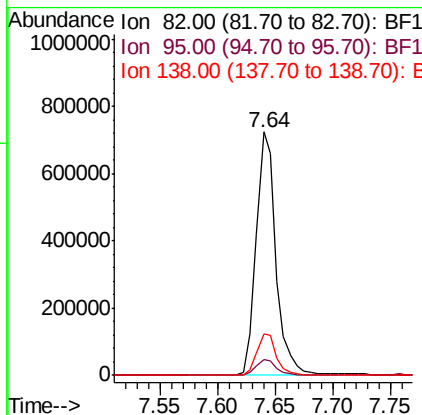
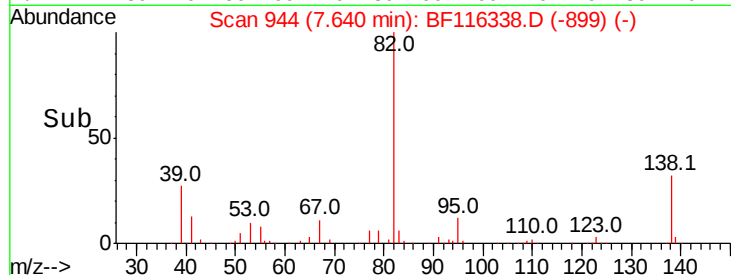
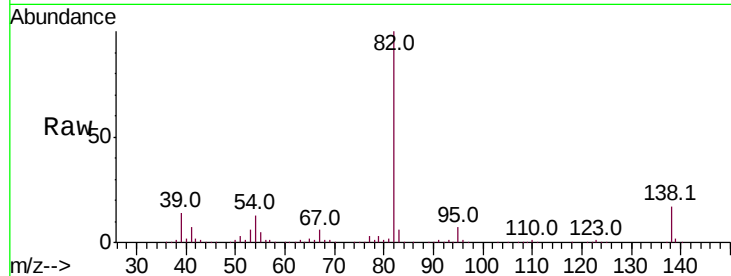
ClientSampleId :

RBR-200057-200054MS

Tot Ion:	82	Resp:	868860
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.4	8.0
138	17.0	14.5	21.7

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#26

2-Nitrophenol

Concen: 46.402 ng

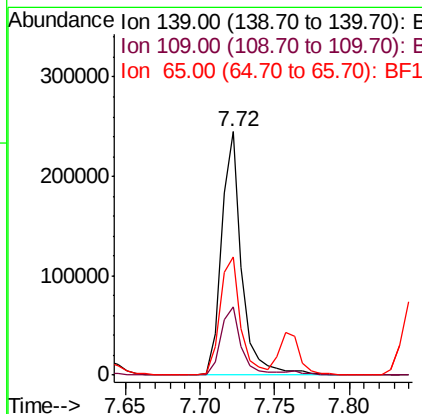
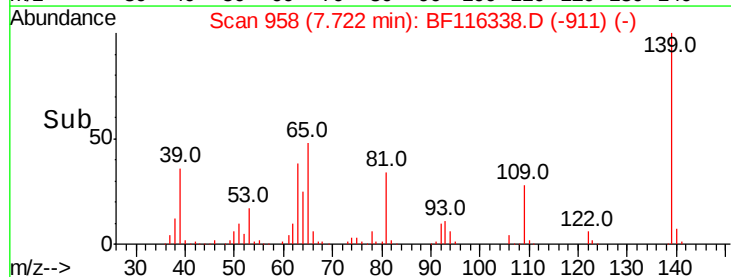
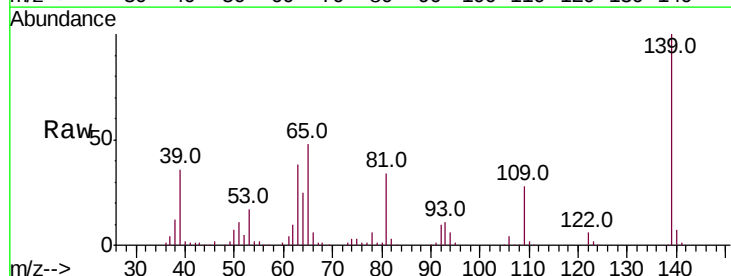
RT: 7.72 min Scan# 958

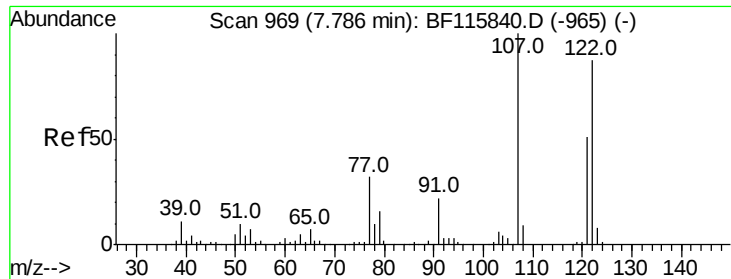
Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	139	Resp:	234043
Ion Ratio	Lower	Upper	
139	100		
109	28.3	23.4	35.2
65	48.3	41.1	61.7





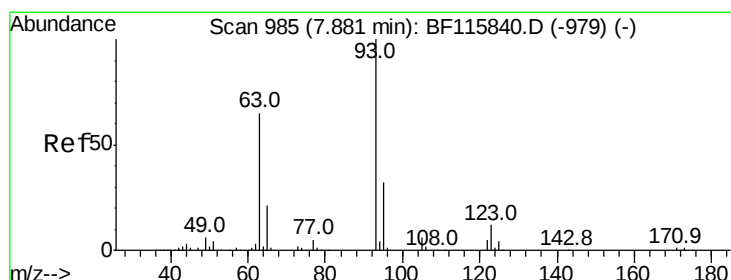
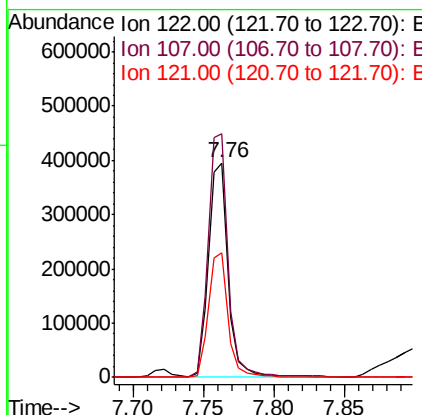
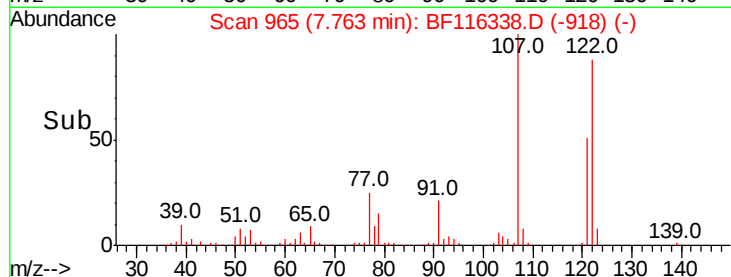
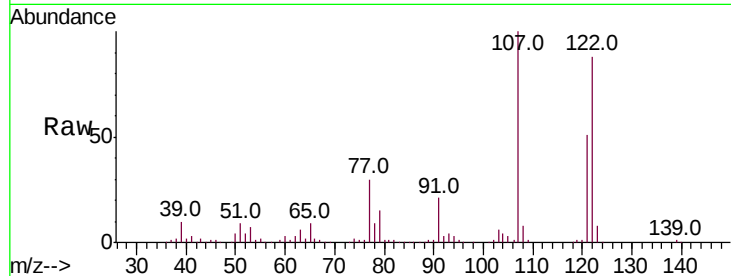
#27
2,4-Dimethylphenol
Concen: 50.404 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	113.4	93.0	139.6	
121	58.2	47.6	71.4	

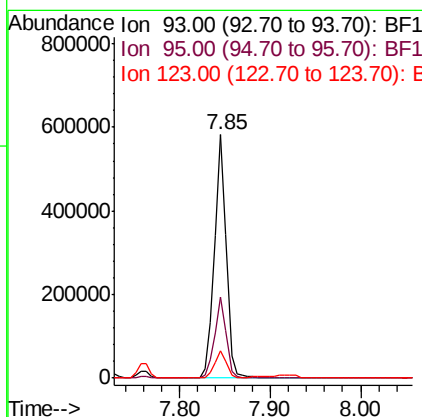
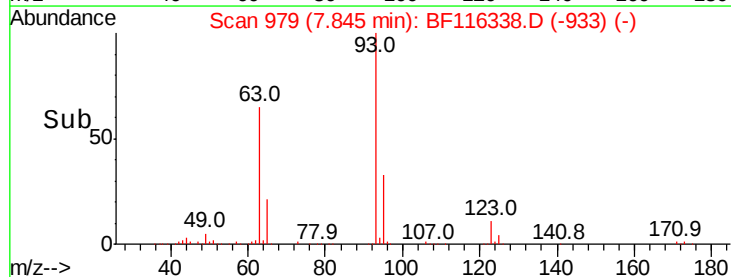
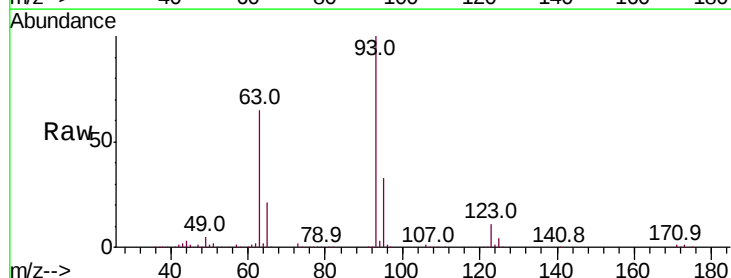
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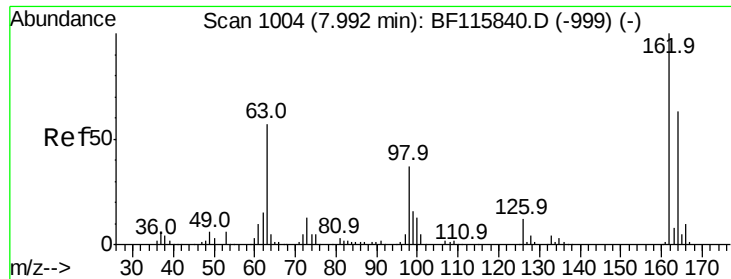
mohammad
8/20/2019 8:37:14 AM



#28
bis(2-Chloroethoxy)methane
Concen: 45.550 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	33.4	26.2	39.4	
123	11.3	9.2	13.8	





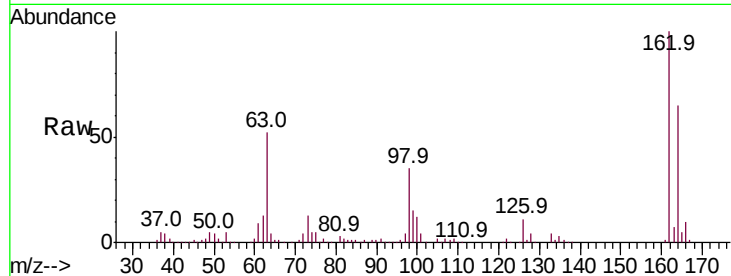
#29
 2,4-Dichlorophenol
 Concen: 46.722 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	374352		
164	65.1	45.1	85.1	
98	35.1	15.8	55.8	

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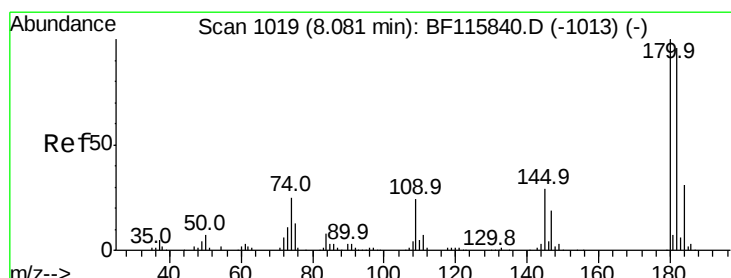
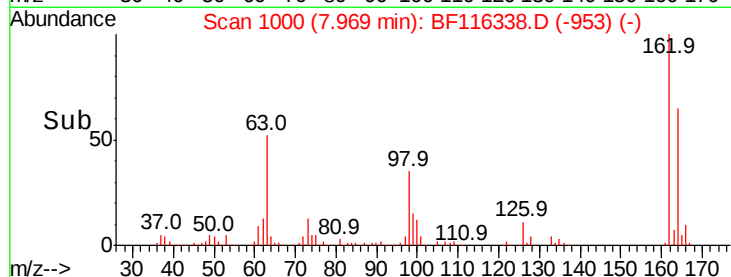
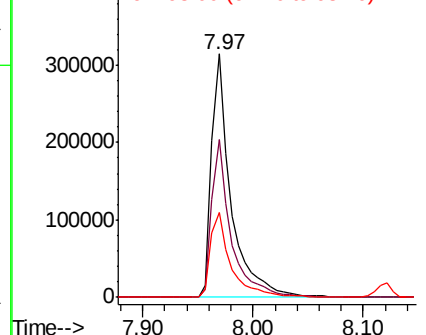


Abundance

Ion 162.00 (161.70 to 162.70): E

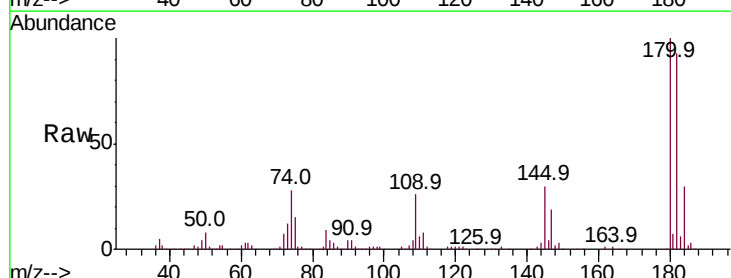
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 43.725 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	399352		
182	93.3	75.7	113.5	
145	29.8	24.3	36.5	

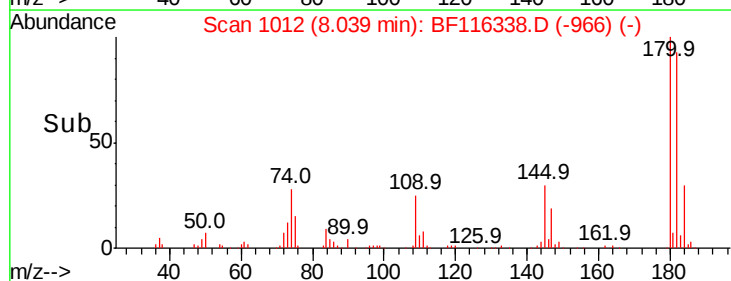
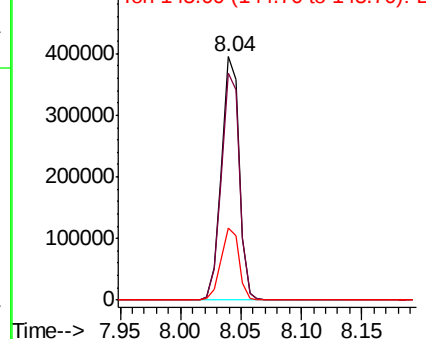


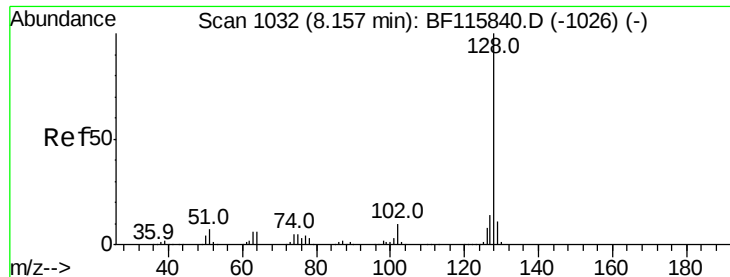
Abundance

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





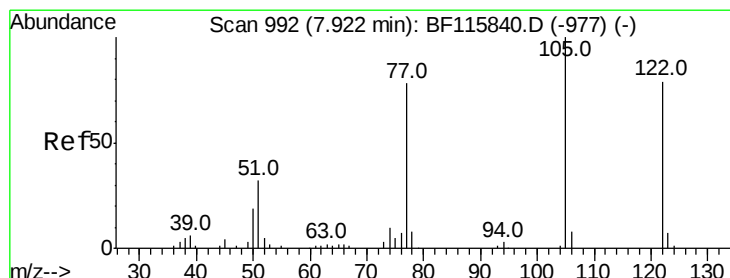
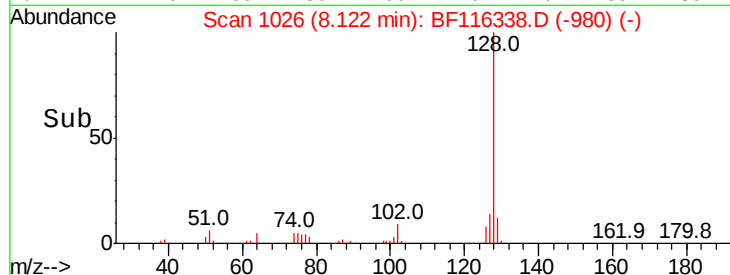
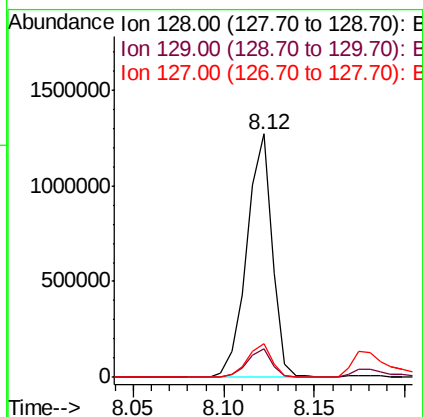
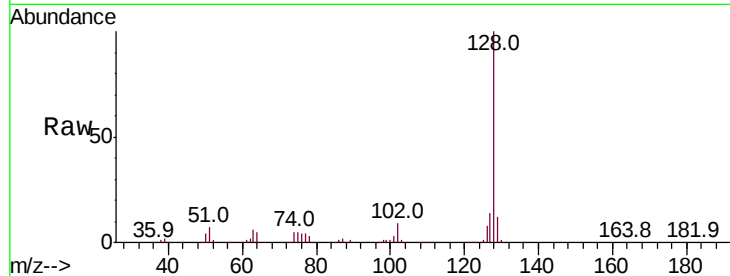
#31
Naphthalene
Concen: 45.862 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.8	11.4	17.0

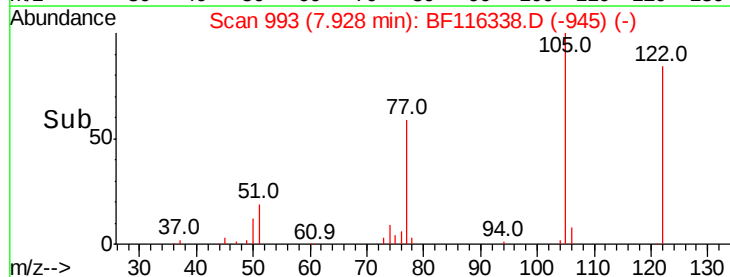
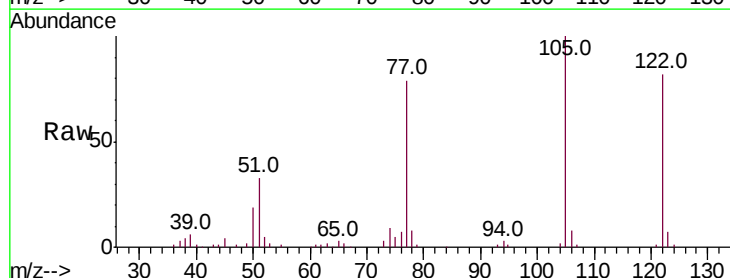
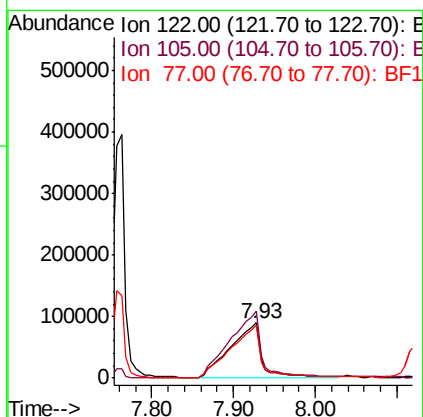
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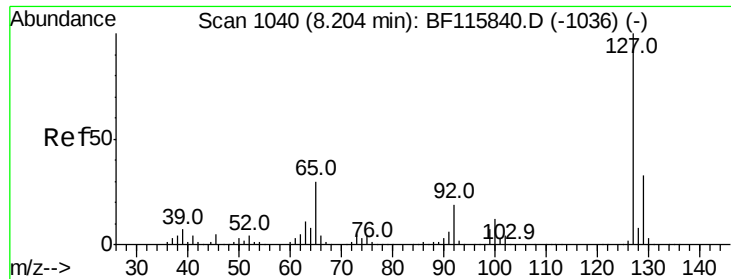
mohammad
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#32
Benzoic acid
Concen: 44.026 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.3	106.1	146.1
77	95.7	76.7	116.7





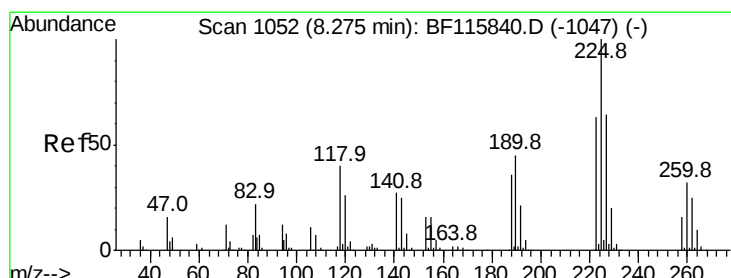
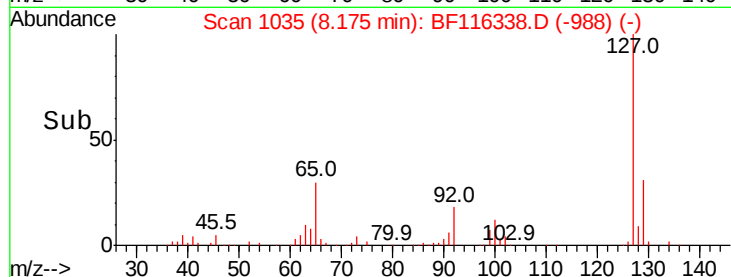
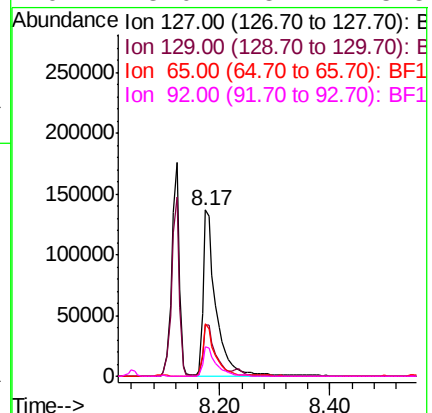
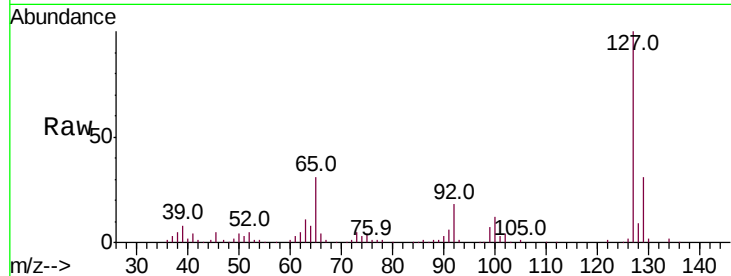
#33
4-Chloroaniline
Concen: 18.342 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.9	26.1	39.1
65	31.4	24.9	37.3
92	18.0	15.7	23.5

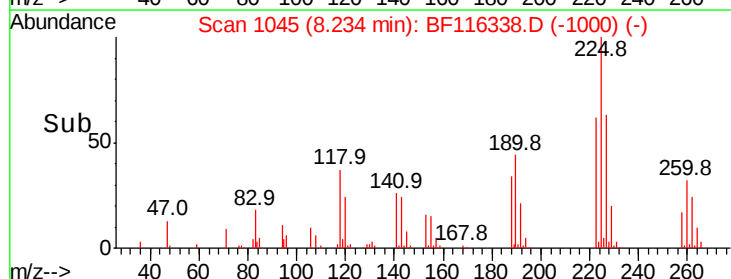
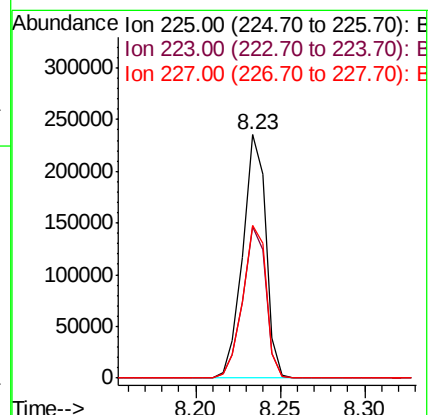
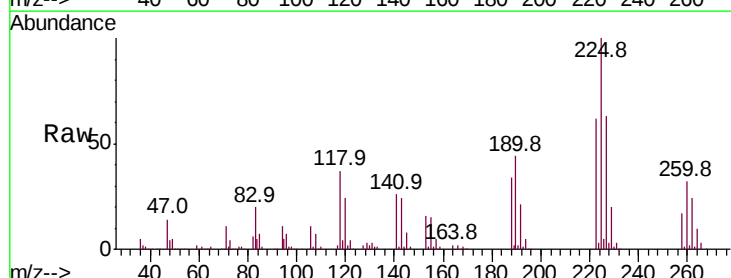
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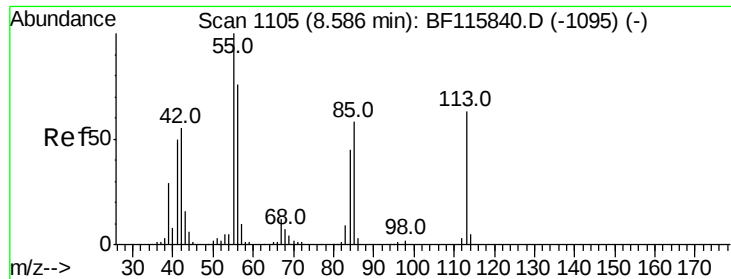
mohammad
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#34
Hexachlorobutadiene
Concen: 42.692 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.0	75.0
227	62.8	51.0	76.4





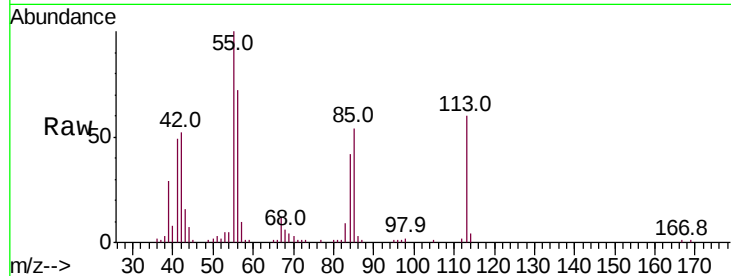
#35
 Caprolactam
 Concen: 43.704 ng/ml
 RT: 8.55 min Scan# 1099
 Delta R.T. -0.04 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	166.3	144.3	184.3
56	119.0	97.1	137.1

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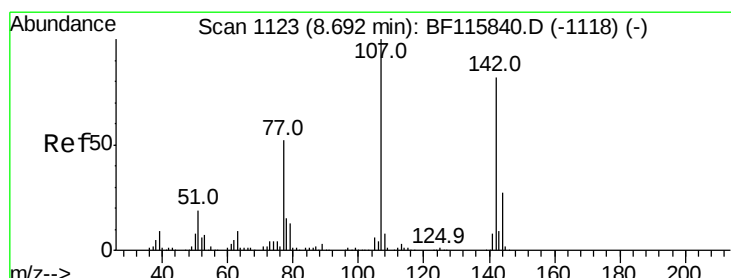
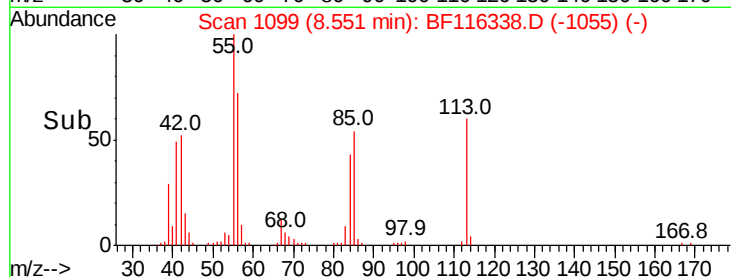
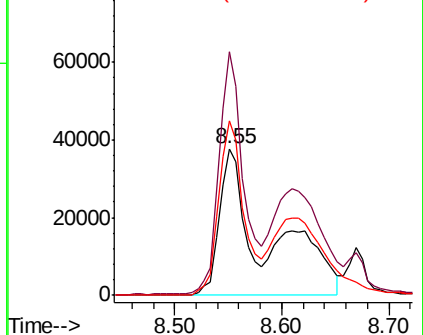


Abundance

Ion 113.00 (112.70 to 113.70): E

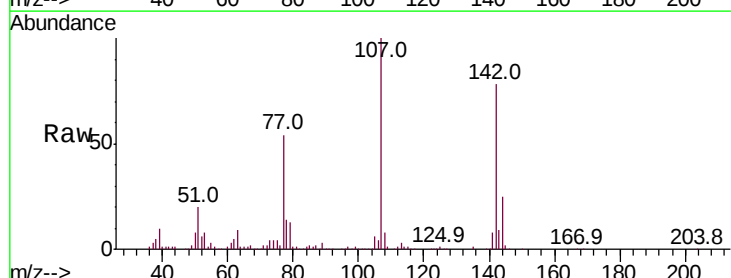
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
 4-Chloro-3-methylphenol
 Concen: 45.845 ng/ml
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	78.1	61.7	92.5

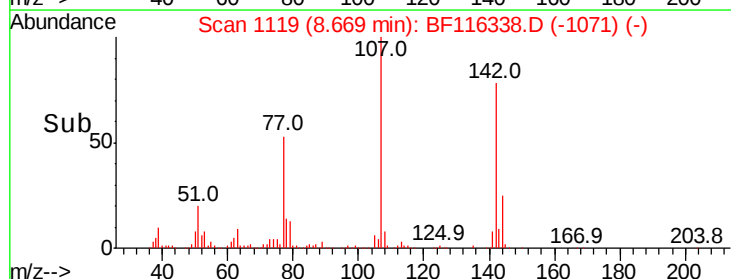
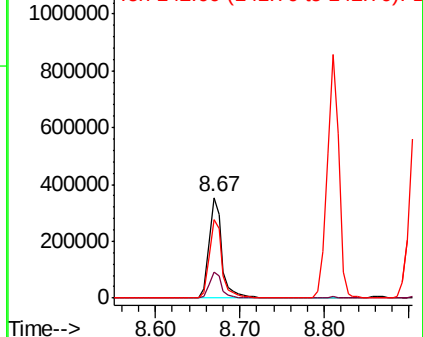


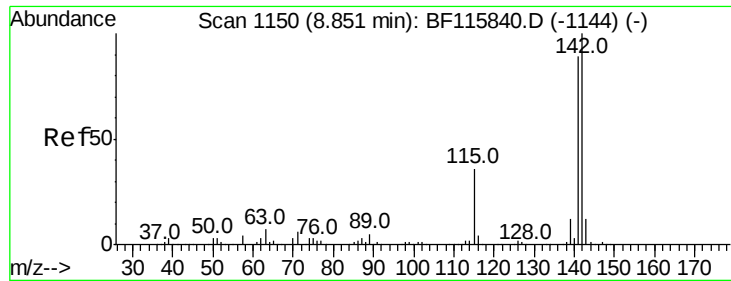
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





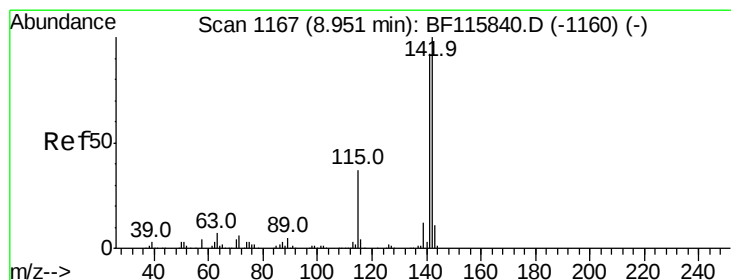
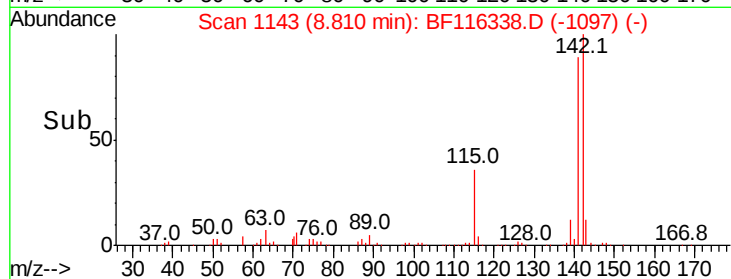
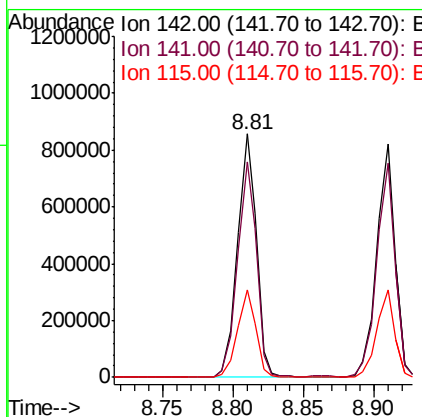
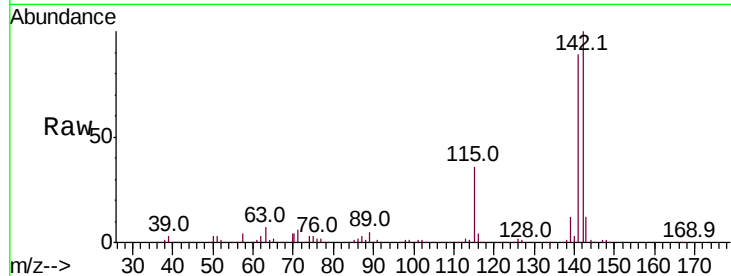
#37
2-Methylnaphthalene
Concen: 44.999 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.9	106.3
115	35.9	29.0	43.6

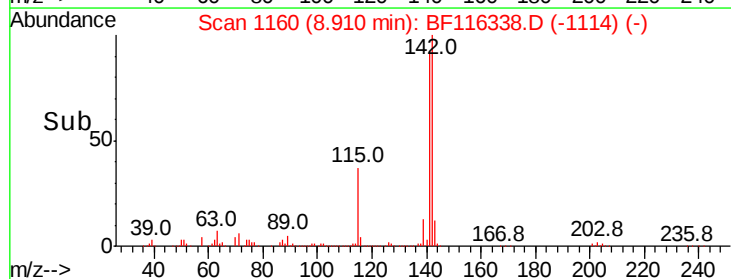
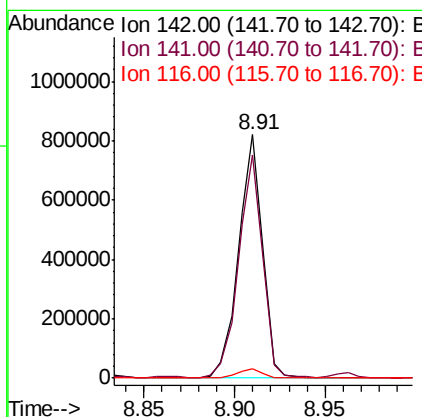
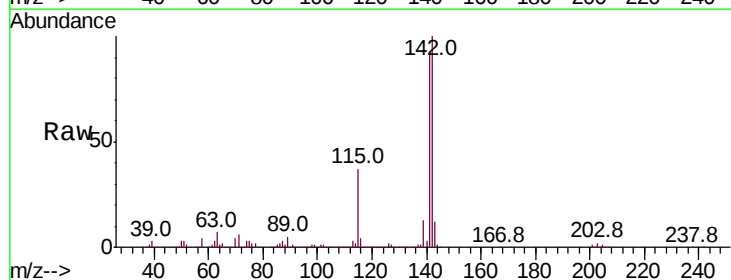
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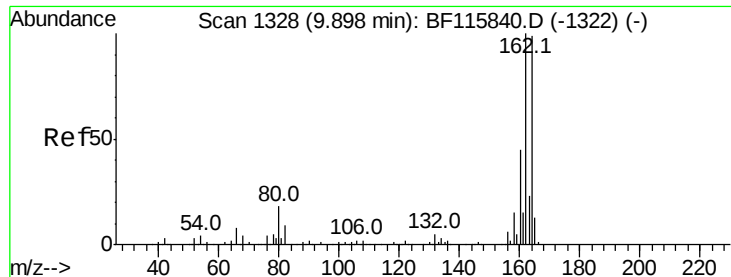
mohammad
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#38
1-Methylnaphthalene
Concen: 44.315 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.4	111.6
116	3.8	3.1	4.7





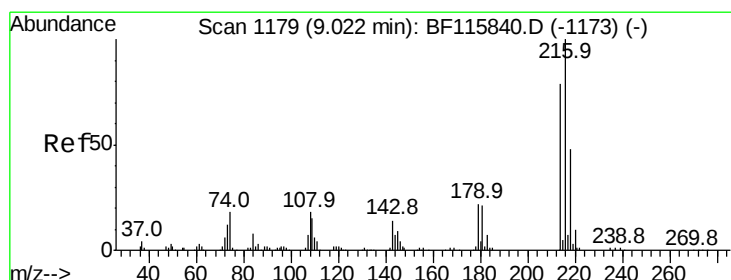
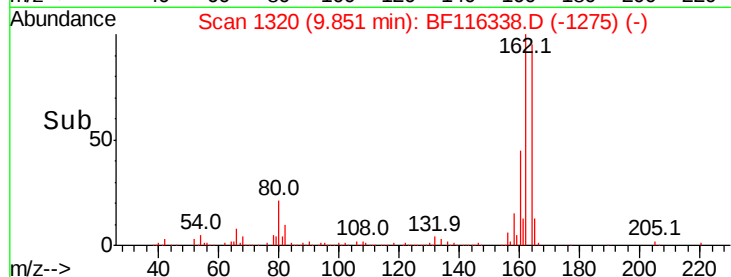
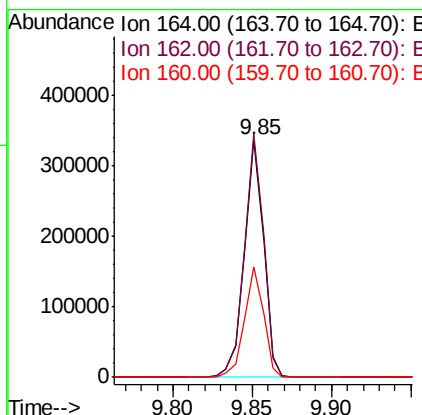
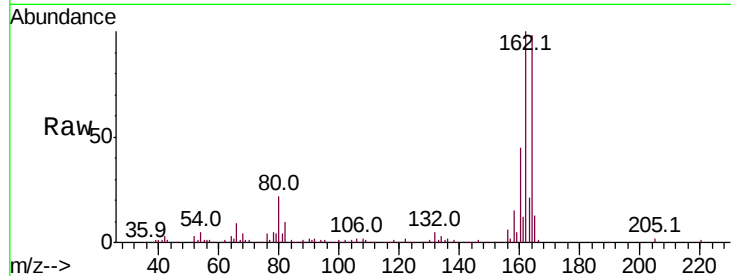
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	124.0
160	46.4	37.6	56.4

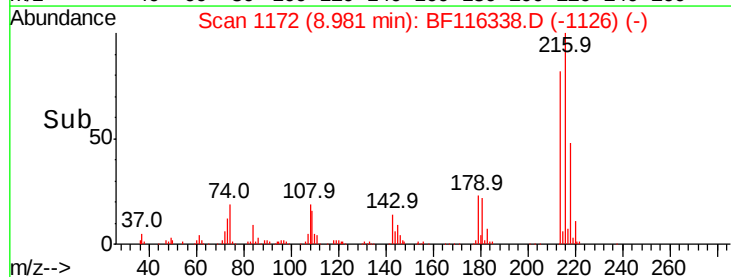
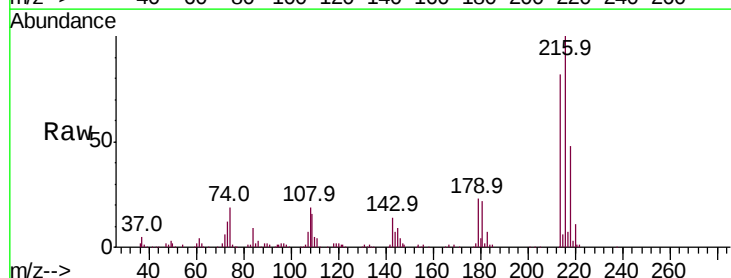
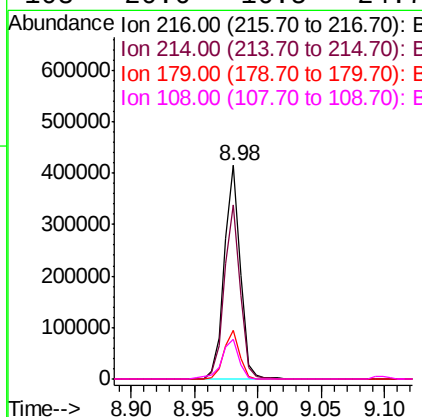
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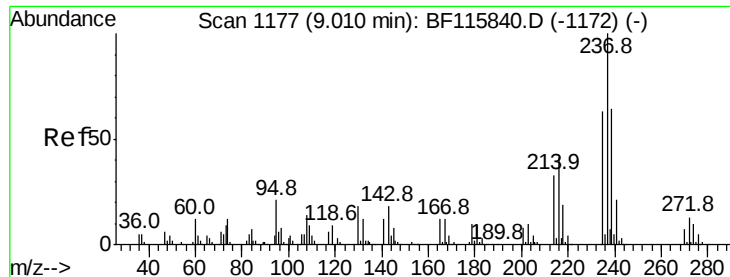
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.753 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
216	100		
214	81.1	63.6	95.4
179	22.3	17.8	26.8
108	20.6	16.5	24.7





#41

Hexachlorocyclopentadiene

Concen: 33.392 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

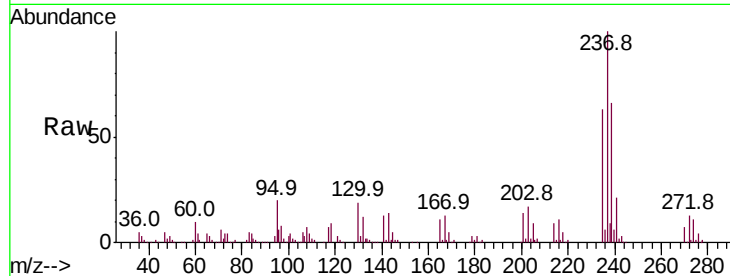
ClientSampleId :

RBR-200057-200054MS

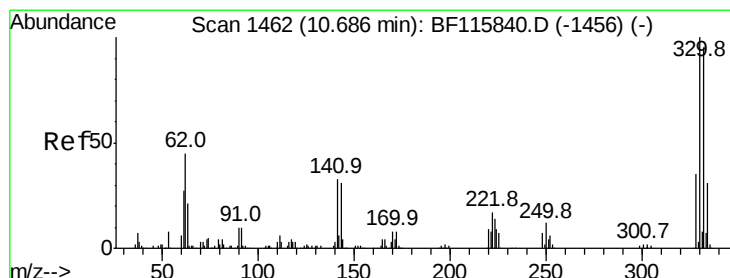
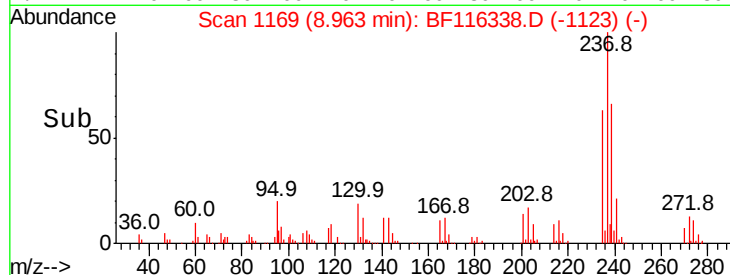
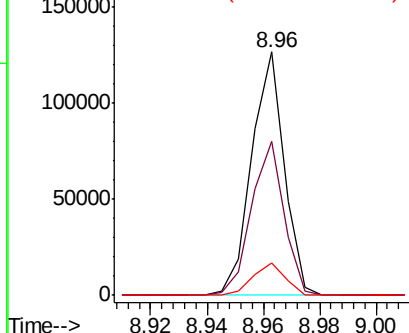
Tot Ion:	237	Resp:	101421
Ion Ratio	Lower	Upper	
237	100		
235	63.4	43.4	83.4
272	13.5	0.0	33.2

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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: 86.544 ng

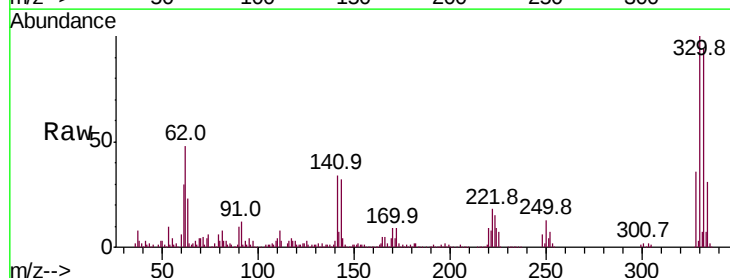
RT: 10.65 min Scan# 1455

Delta R.T. -0.03 min

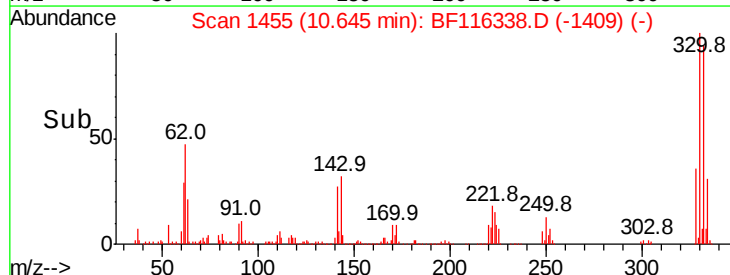
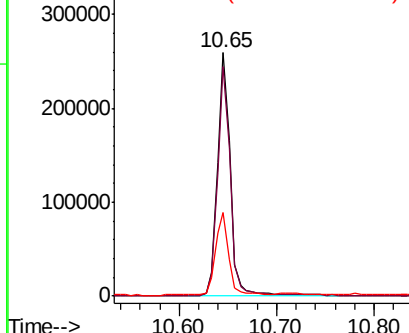
Lab File: BF116338.D

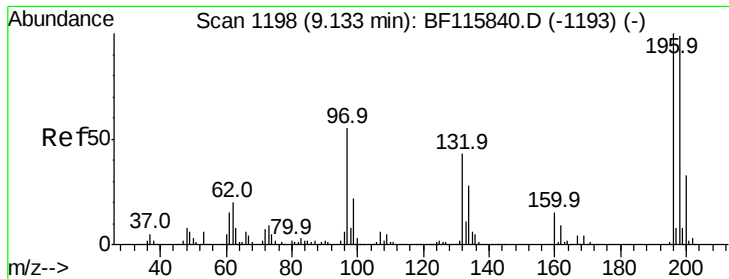
Acq: 17 Aug 2019 00:42

Tgt Ion:	330	Resp:	239012
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.8	115.2
141	34.8	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





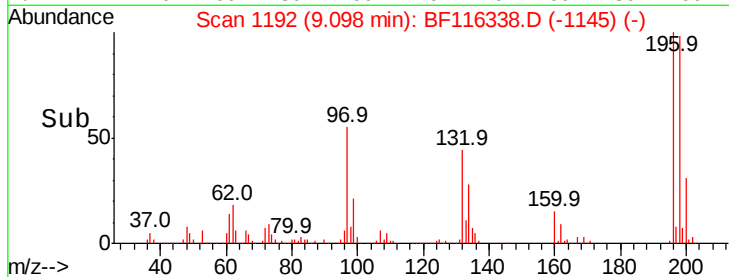
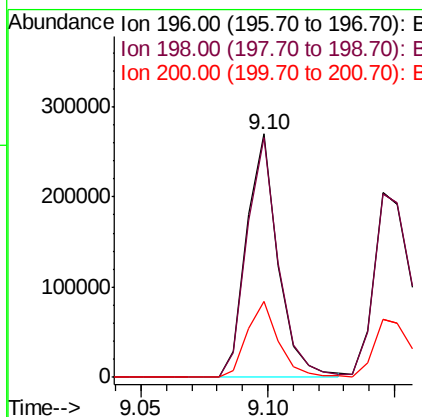
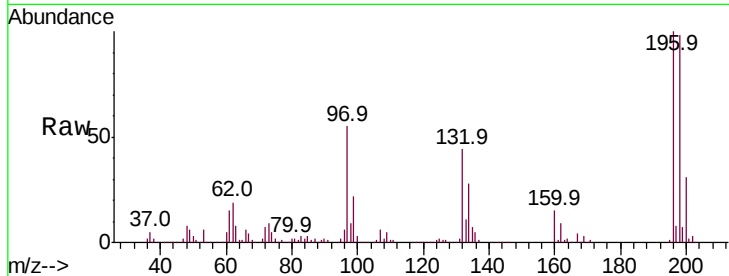
#43
 2,4,6-Trichlorophenol
 Concen: 44.598 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	233769		
198	98.5	79.2	118.8	
200	31.4	25.2	37.8	

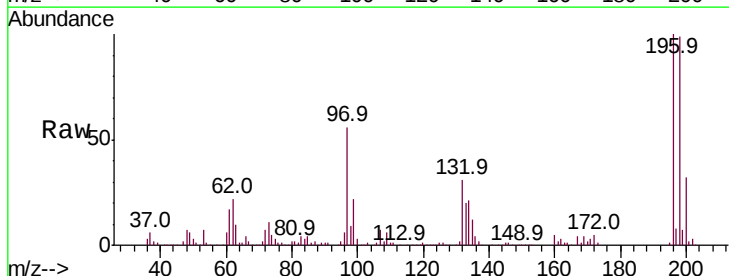
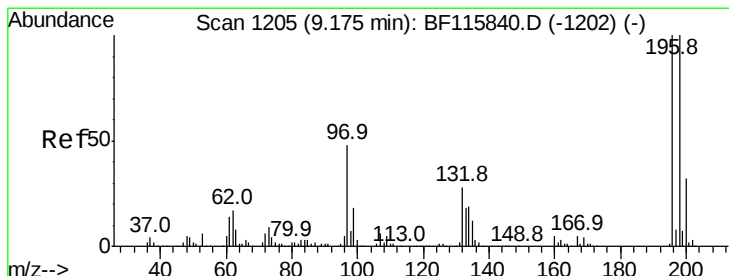
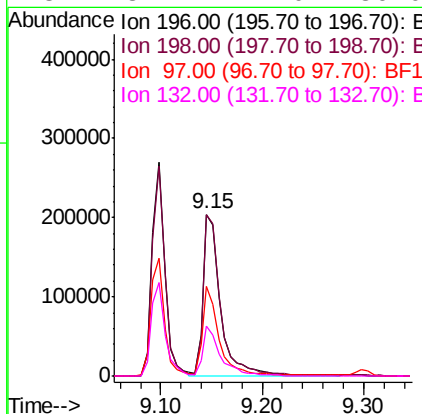
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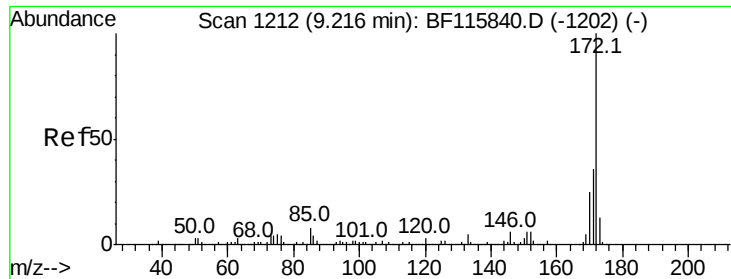
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#44
 2,4,5-Trichlorophenol
 Concen: 44.904 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	243308		
198	99.5	78.8	118.2	
97	55.6	42.2	63.4	
132	31.2	24.0	36.0	





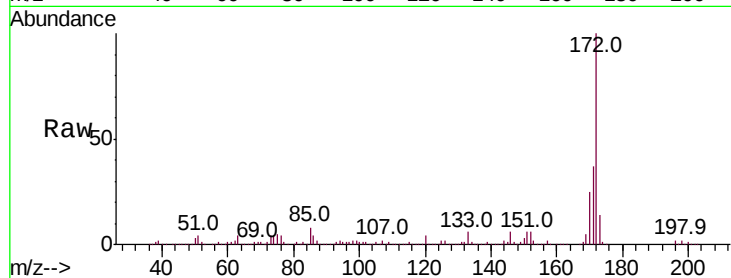
#45
2-Fluorobiphenyl
Concen: 75.715 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.7	20.1	30.1

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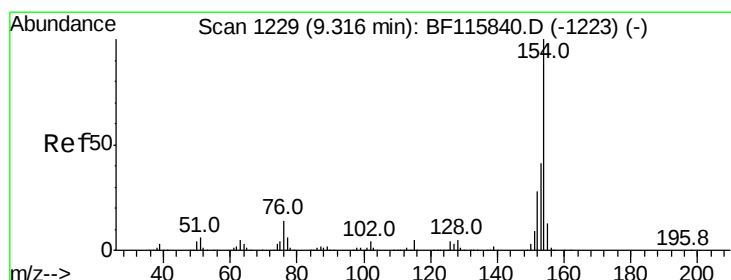
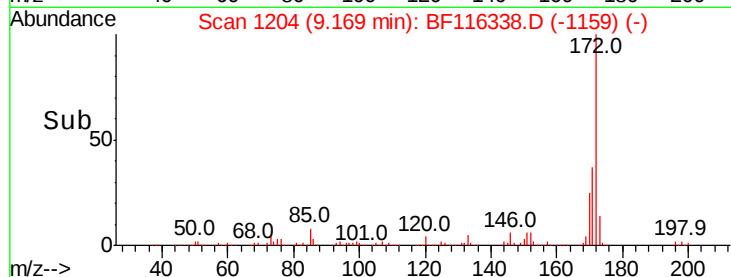
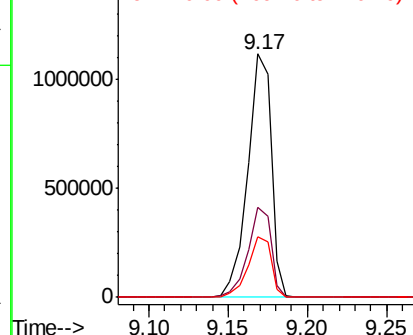


Abundance

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: 47.712 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

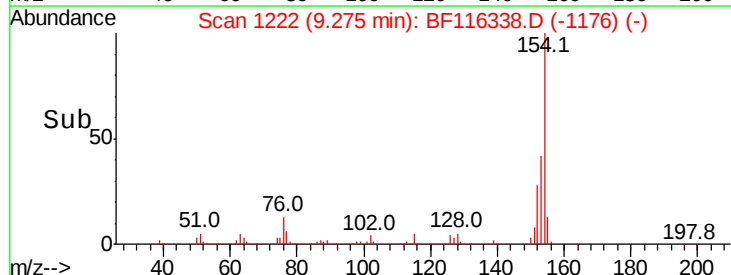
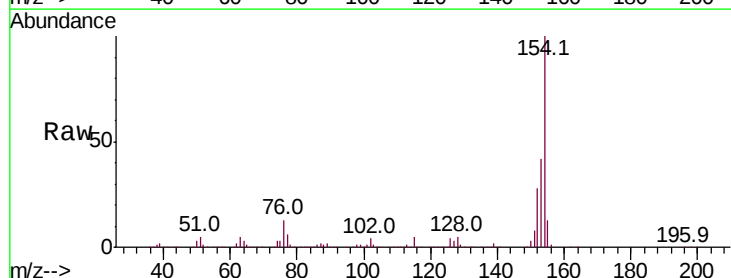
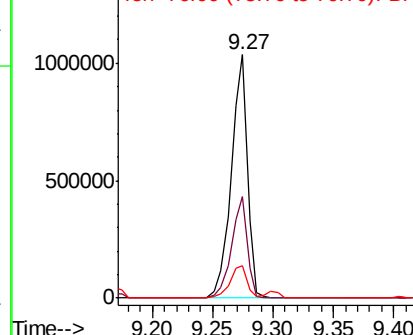
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.4	61.4
76	13.4	0.0	35.2

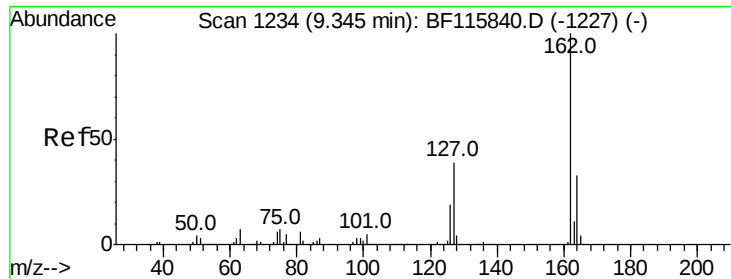
Abundance

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





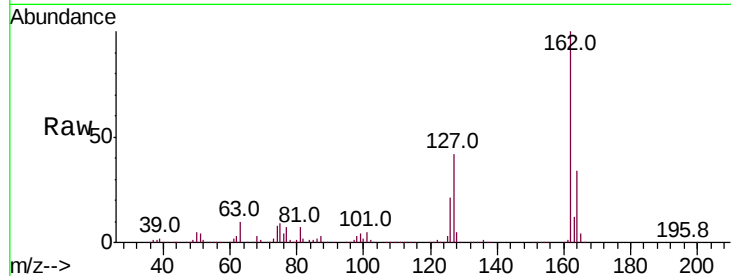
#47
2-Chloronaphthalene
Concen: 45.148 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

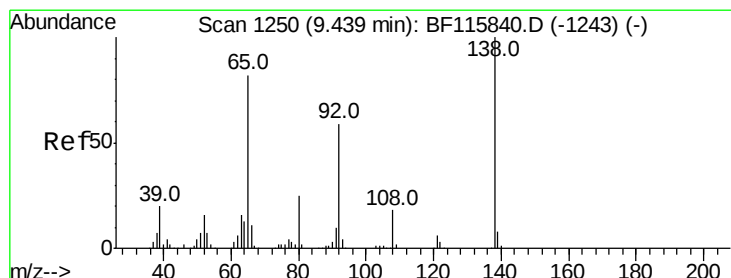
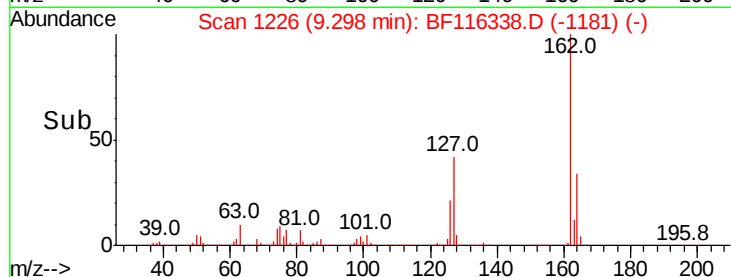
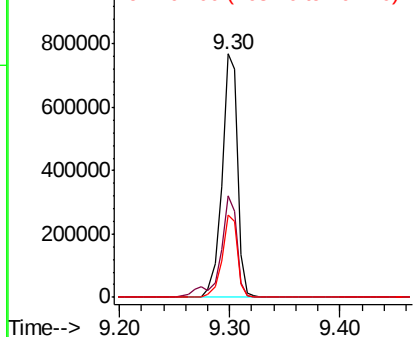
Tot Ion	Ratio	Resp	Lower	Upper
162	100	755691		
127	41.6		32.8	49.2
164	33.7		26.6	39.8

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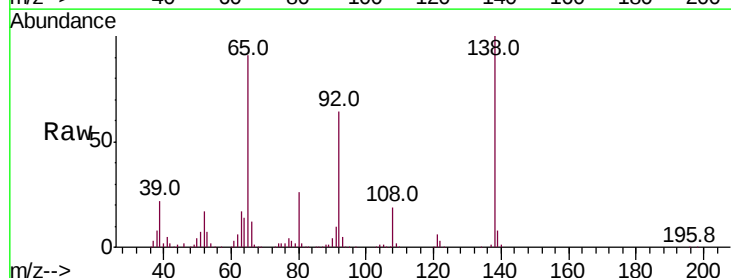


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

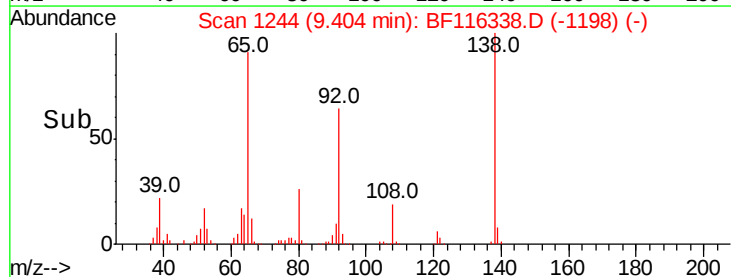
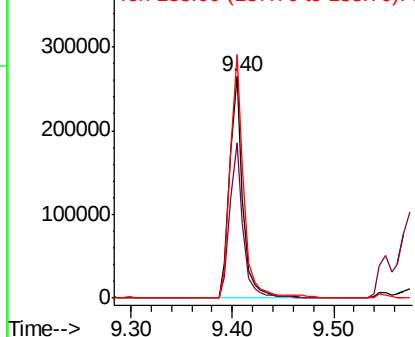


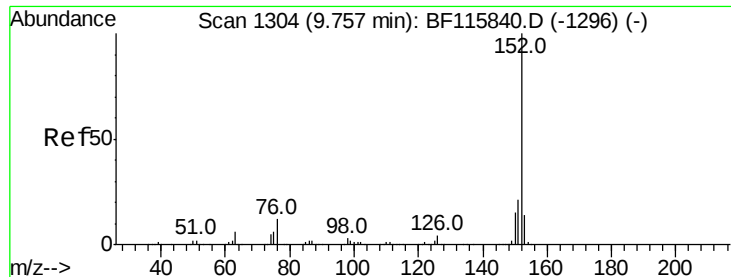
#48
2-Nitroaniline
Concen: 43.606 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	241250		
92	70.1		57.8	86.8
138	110.0		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: 45.199 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054MS

Tot Ion:152 Resp: 1103726

Ion Ratio Lower Upper

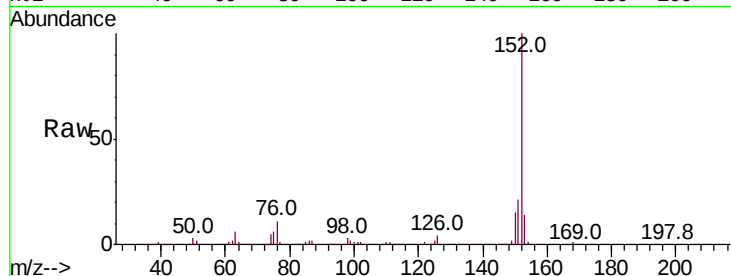
152 100

151 21.0 17.2 25.8

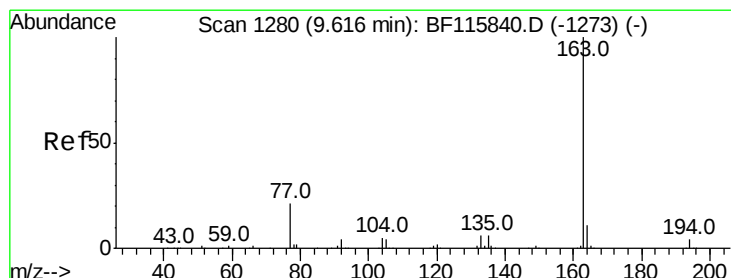
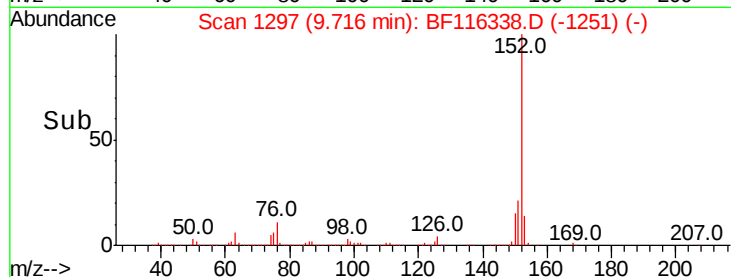
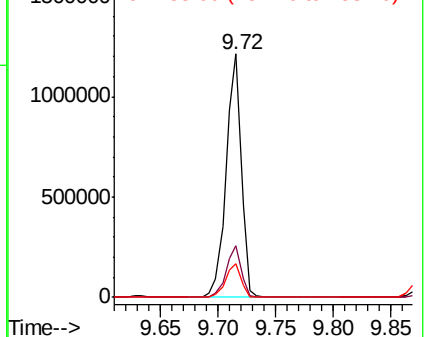
153 14.0 11.8 17.8

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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: 54.652 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

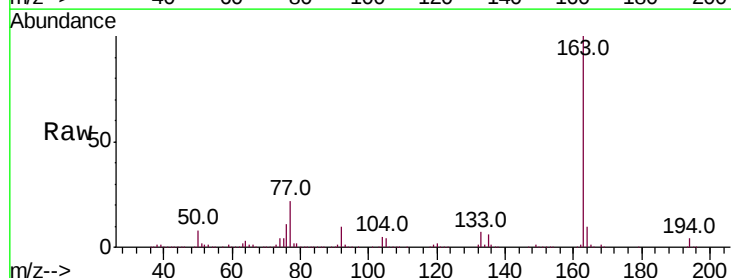
Tgt Ion:163 Resp: 1059997

Ion Ratio Lower Upper

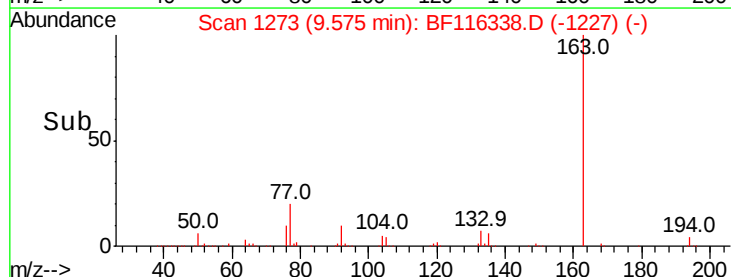
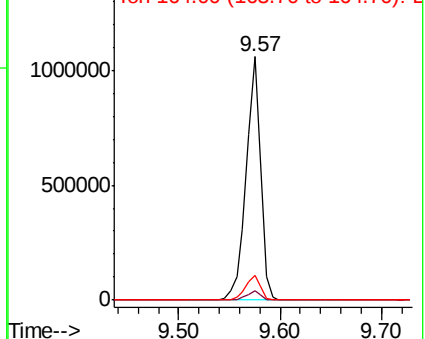
163 100

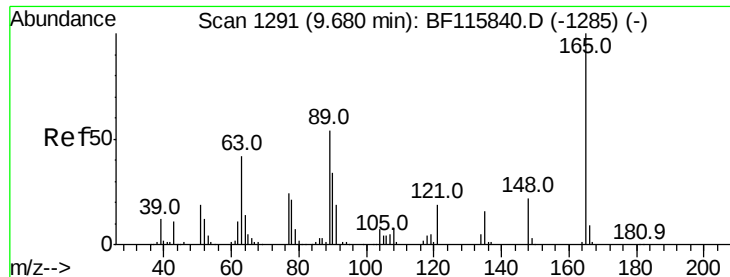
194 3.8 3.0 4.6

164 10.4 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





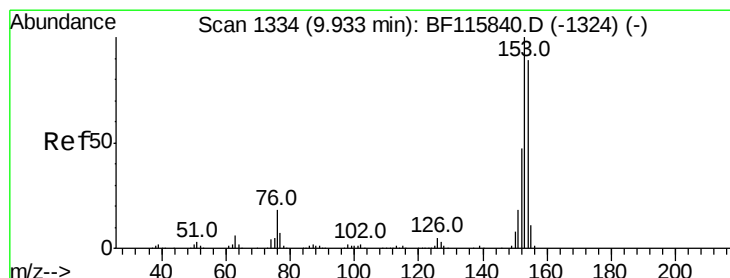
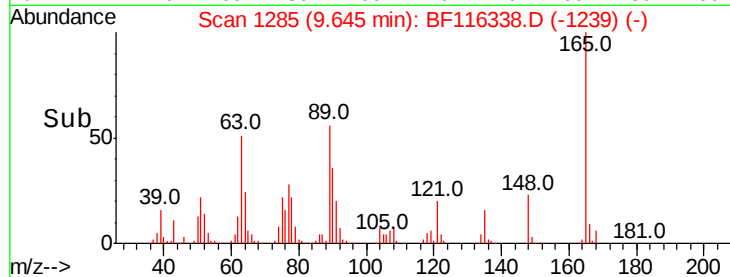
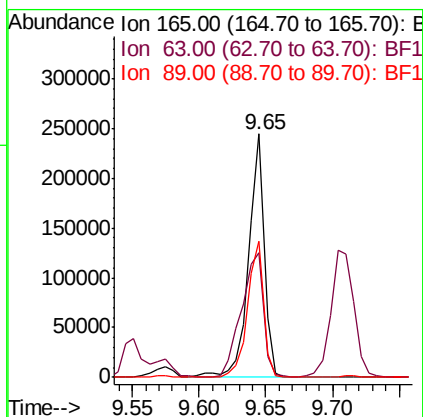
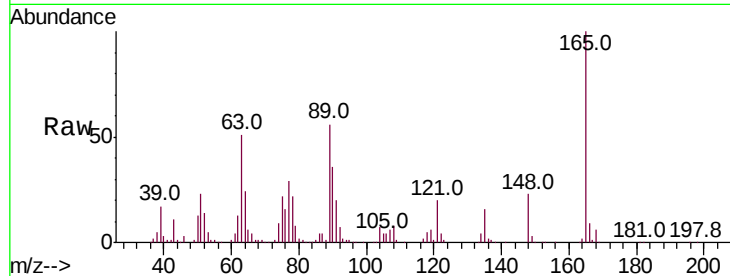
#51
 2,6-Dinitrotoluene
 Concen: 46.872 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.03 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	197565		
63	51.0		38.2	57.2
89	56.1		42.9	64.3

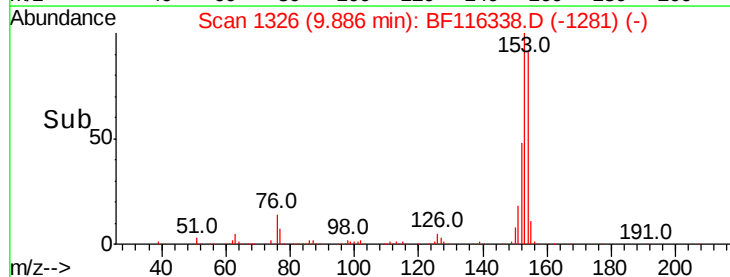
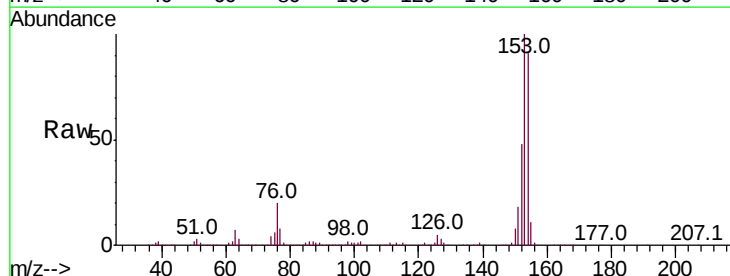
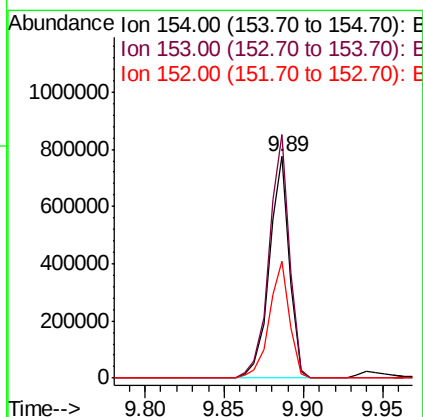
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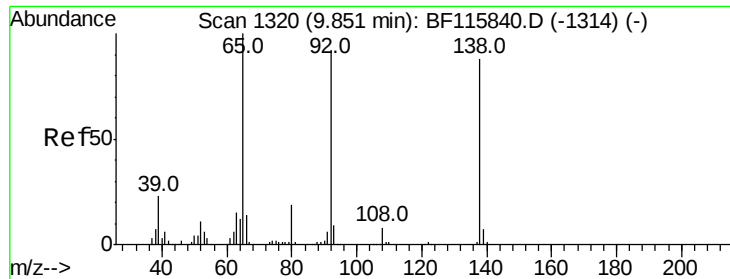
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#52
 Acenaphthene
 Concen: 45.971 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.04 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	688681		
153	109.9		89.4	134.0
152	52.8		42.3	63.5





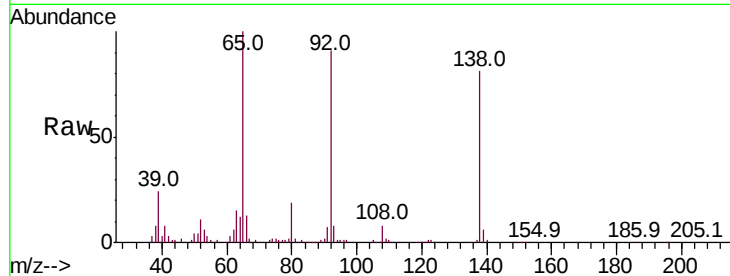
#53
3-Nitroaniline
Concen: 26.692 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.0	12.0
92	111.5	91.0	136.6

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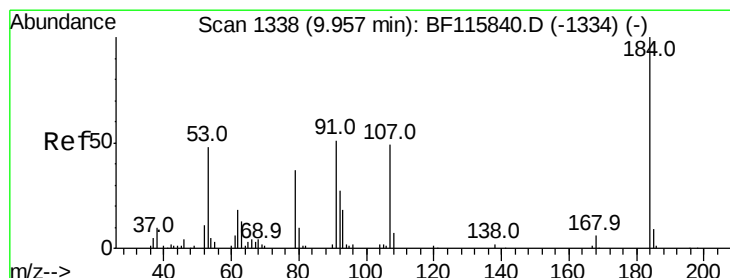
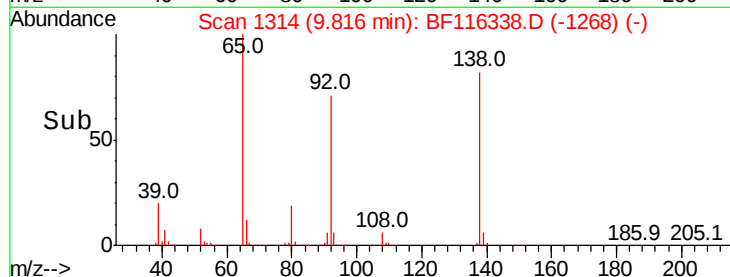
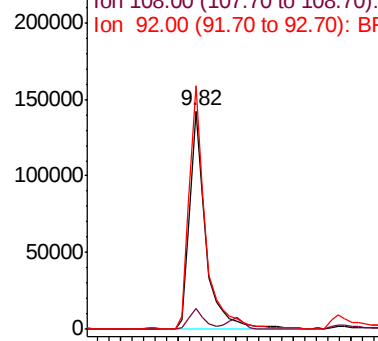


Abundance

Ion 138.00 (137.70 to 138.70): E

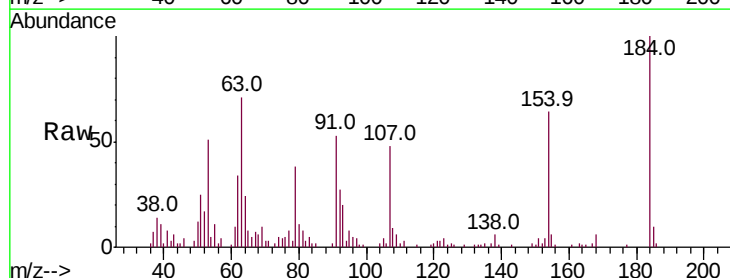
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 31.339 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.9	53.0	79.4
154	64.2	50.1	75.1

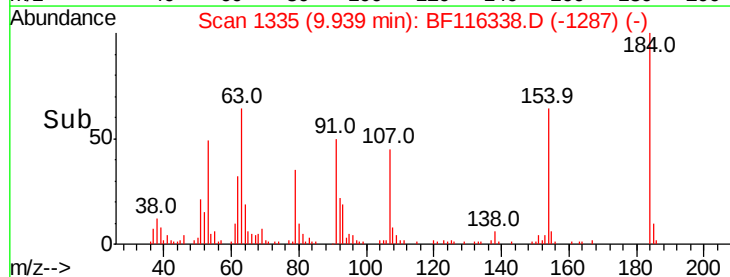
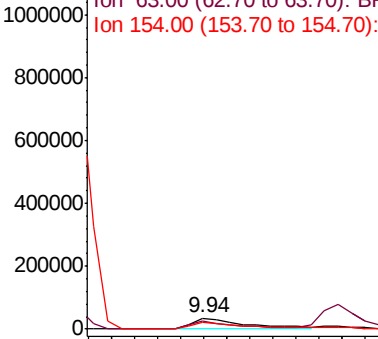


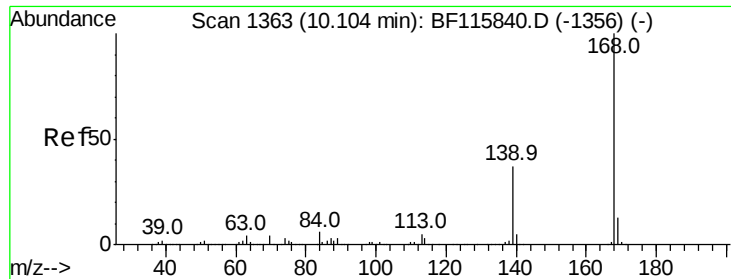
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





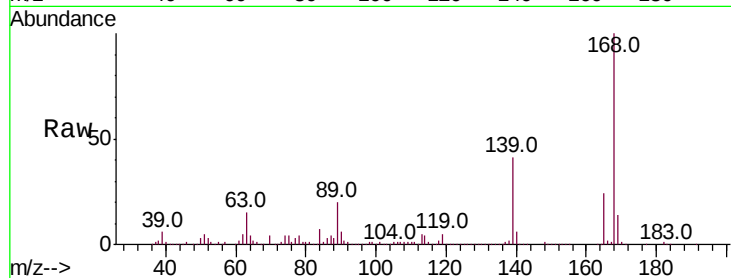
#55
Dibenzenofuran
Concen: 43.352 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.9	31.4	47.2
169	13.9	10.9	16.3

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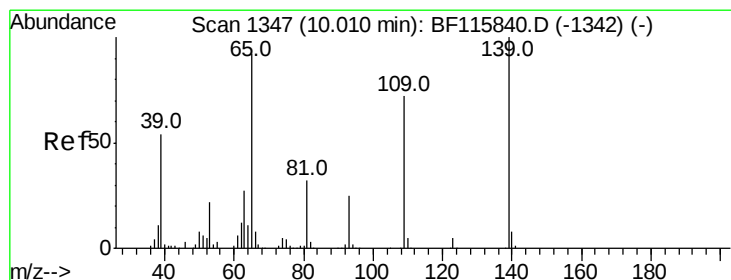
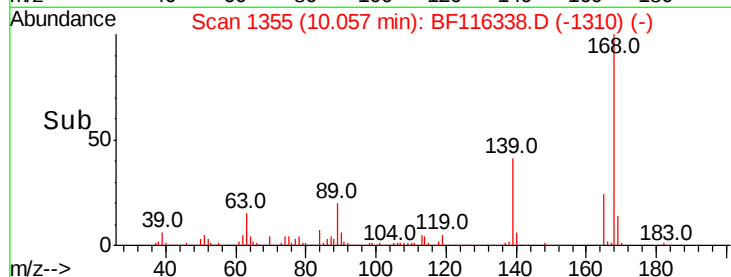
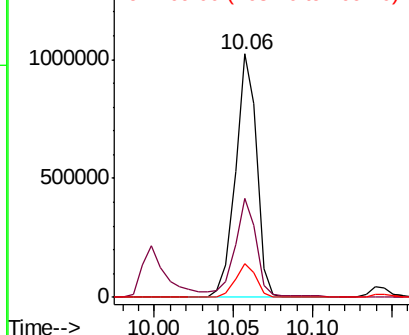


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 72.228 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

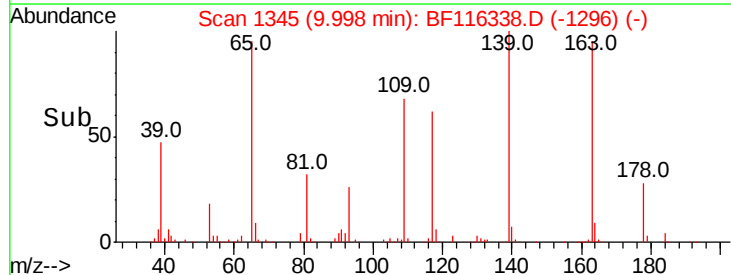
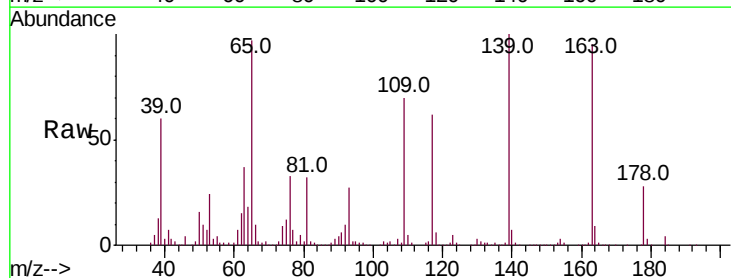
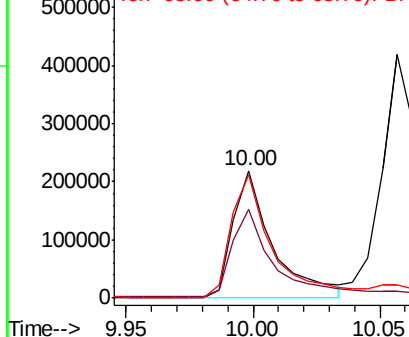
Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.5	54.4	94.4
65	96.6	80.6	120.6

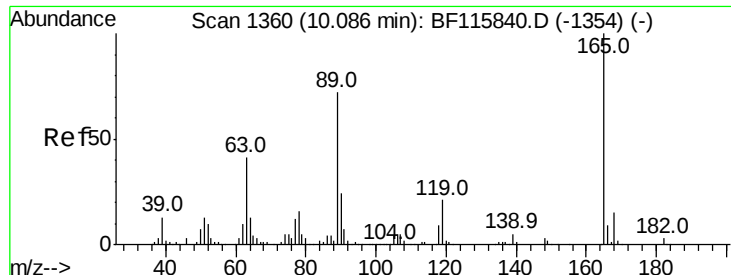
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





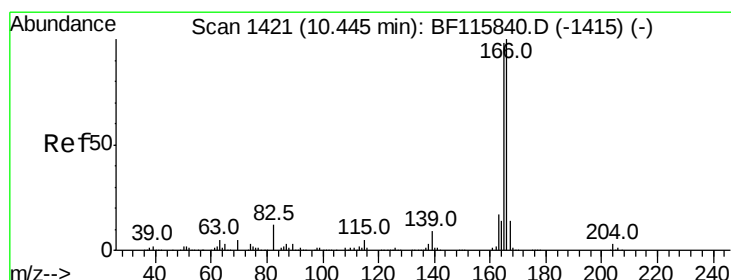
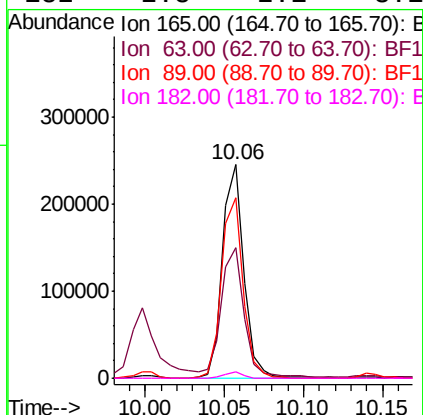
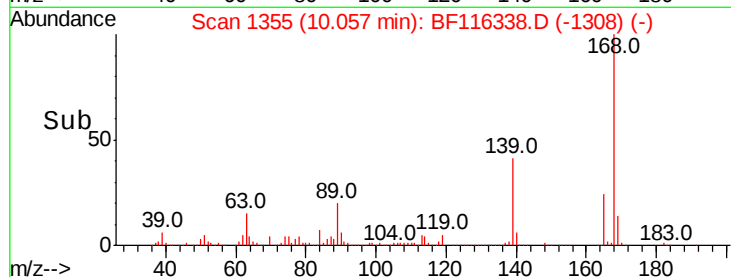
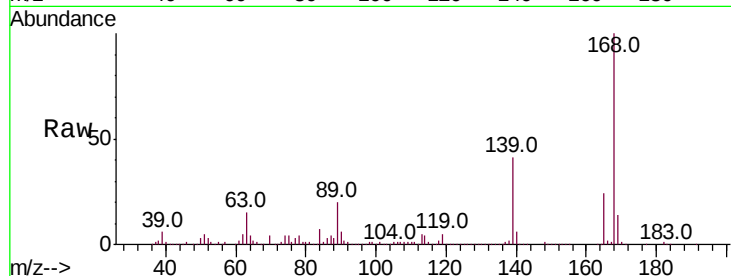
#57
2,4-Dinitrotoluene
Concen: 40.301 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	226163		
63	61.3		39.6	59.4#
89	84.6		62.2	93.2
182	2.8		2.1	3.1

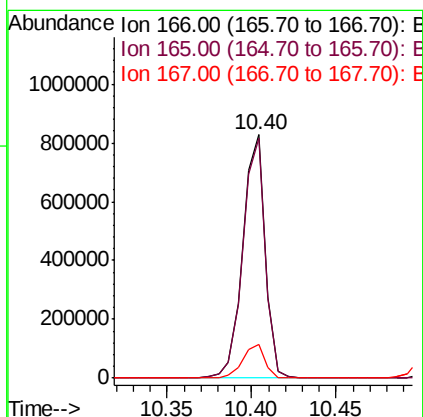
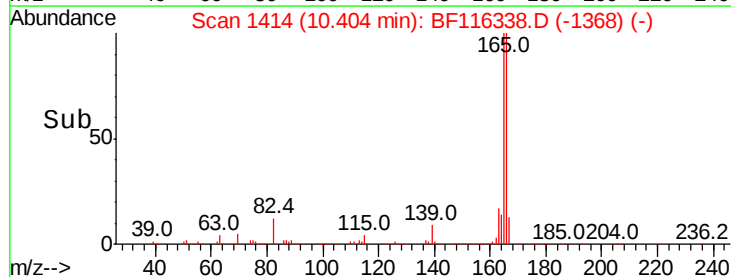
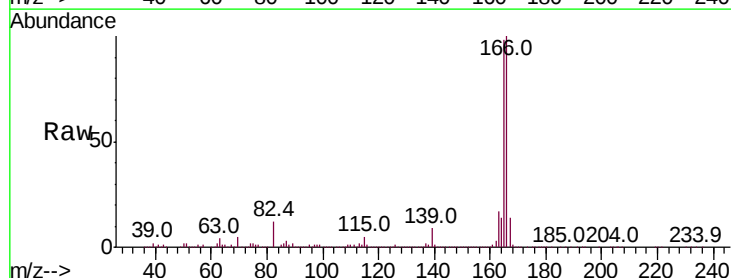
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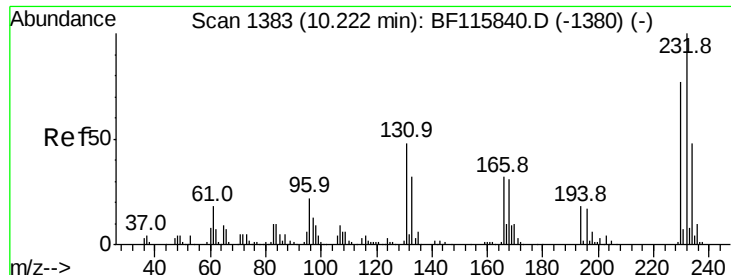
mohammad
8/20/2019 8:37:14 AM



#58
Fluorene
Concen: 45.557 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	763598		
165	98.3		78.4	117.6
167	13.6		11.0	16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.786 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054MS

Tot Ion:232 Resp: 199599

Ion Ratio Lower Upper

232 100

131 45.0 36.2 54.2

130 2.6 1.9 2.9

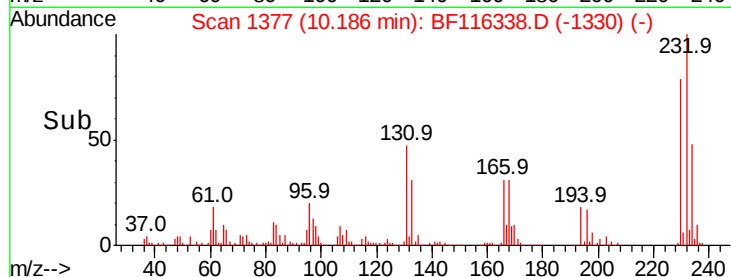
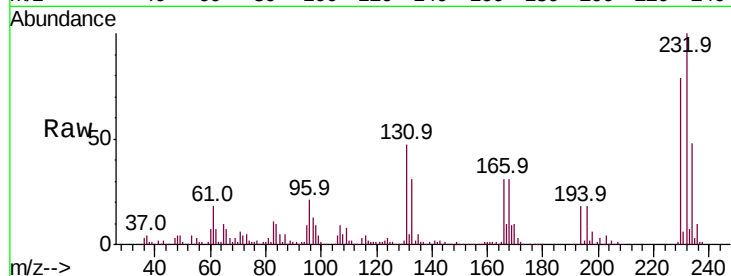
166 29.2 23.0 34.4

Manual Integrations

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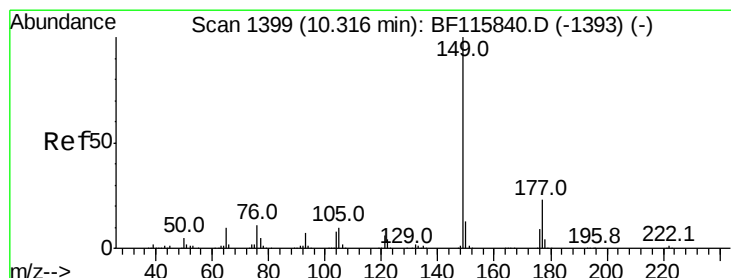
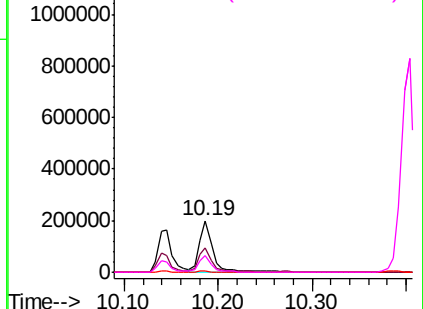


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 45.471 ng

RT: 10.27 min Scan# 1392

Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

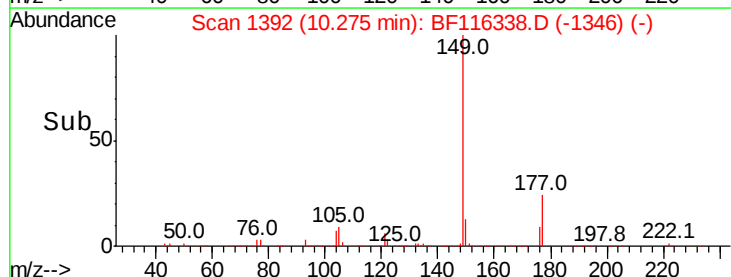
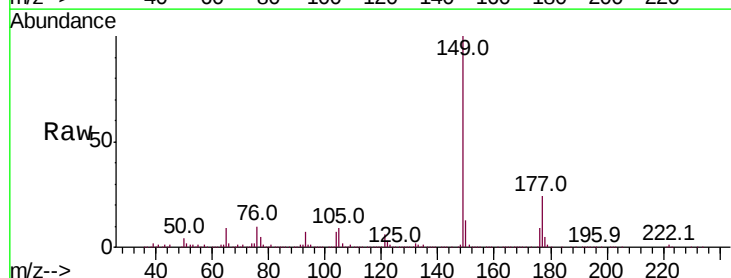
Tgt Ion:149 Resp: 823383

Ion Ratio Lower Upper

149 100

177 23.6 18.8 28.2

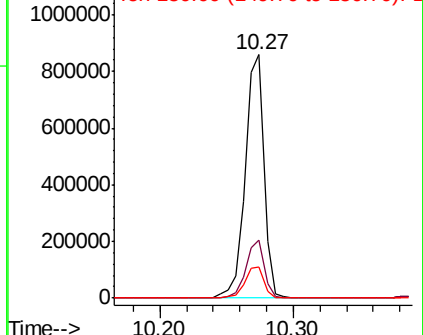
150 12.8 10.2 15.4

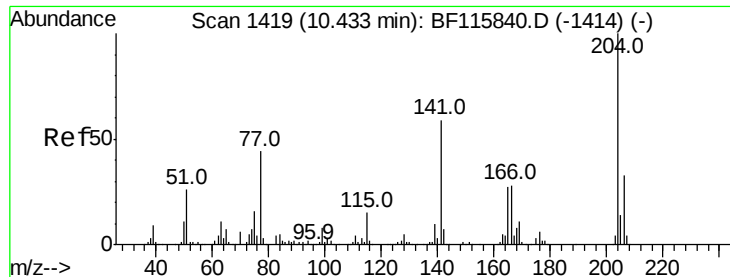


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





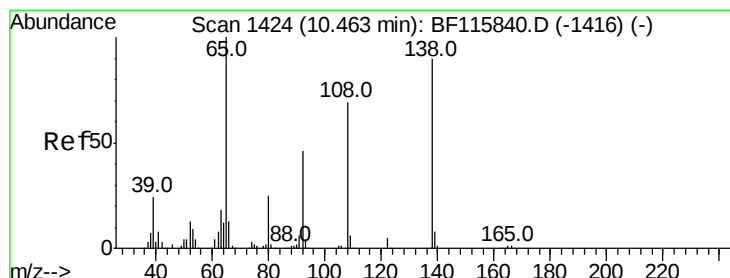
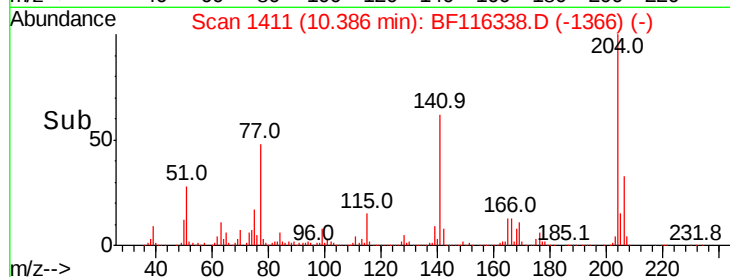
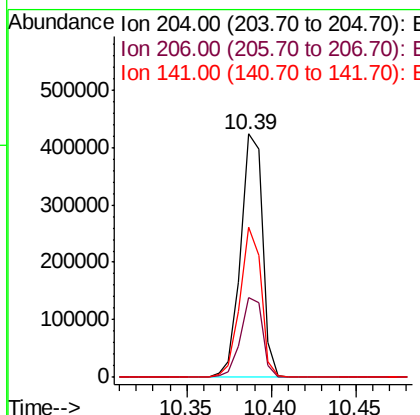
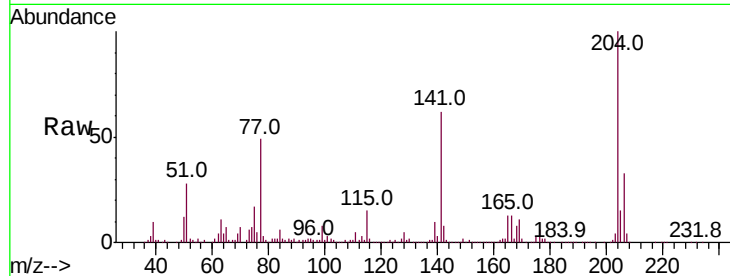
#61
4-Chlorophenyl-phenylether
Concen: 45.358 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	61.9	46.4	69.6

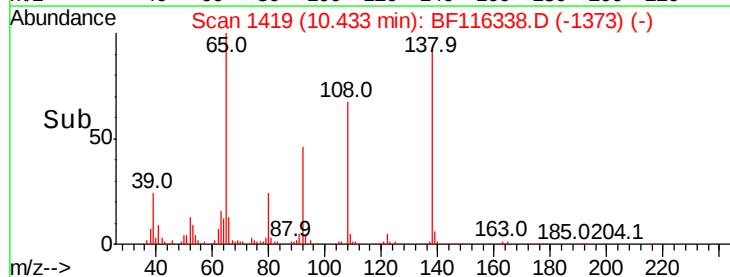
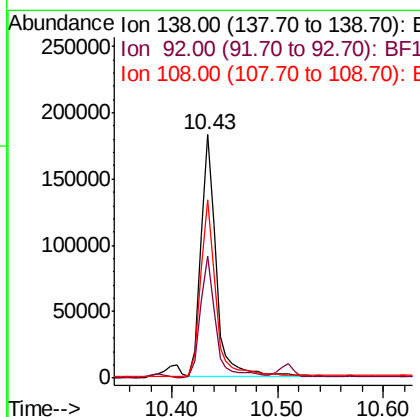
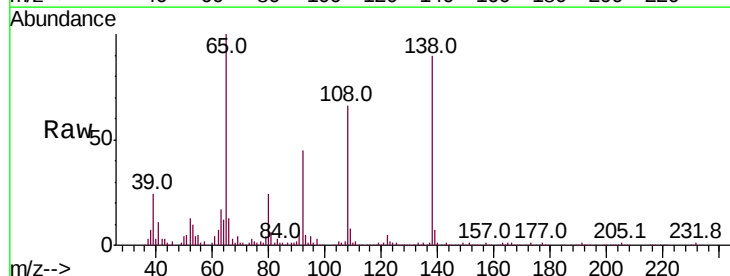
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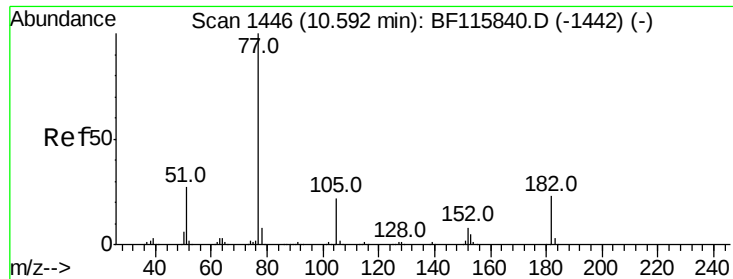
mohammad
8/20/2019 8:37:14 AM



#62
4-Nitroaniline
Concen: 33.722 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.0	69.0
108	73.2	54.7	94.7





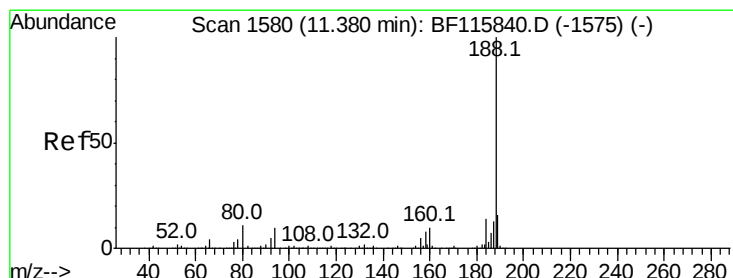
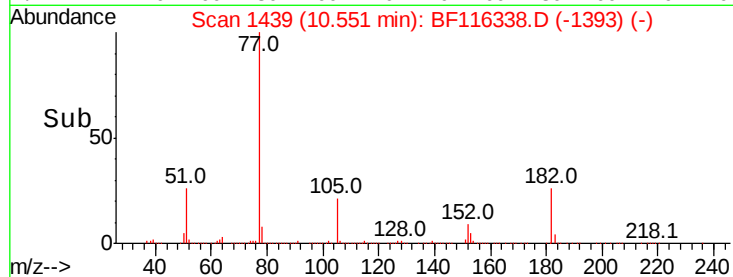
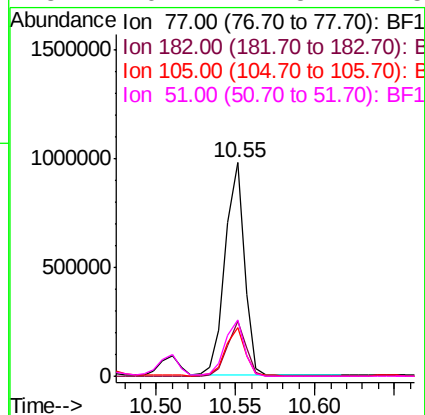
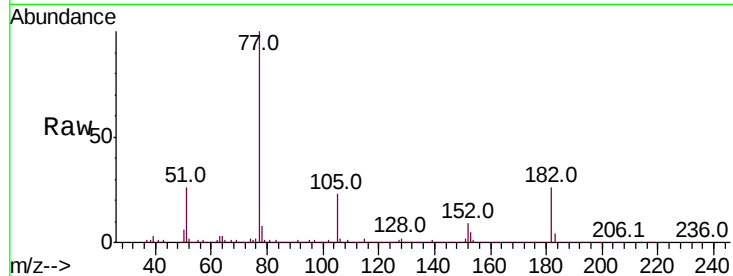
#63
Azobenzene
Concen: 44.516 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	25.5	4.0	44.0		
105	22.8	2.0	42.0		
51	26.1	7.5	47.5		

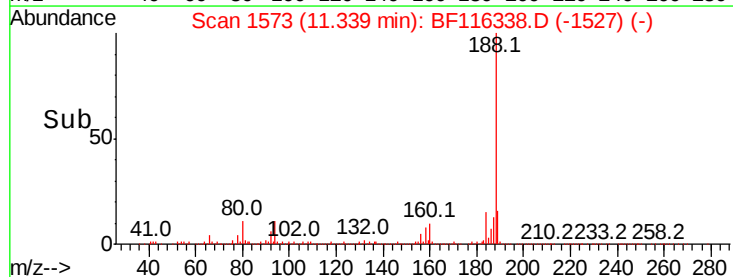
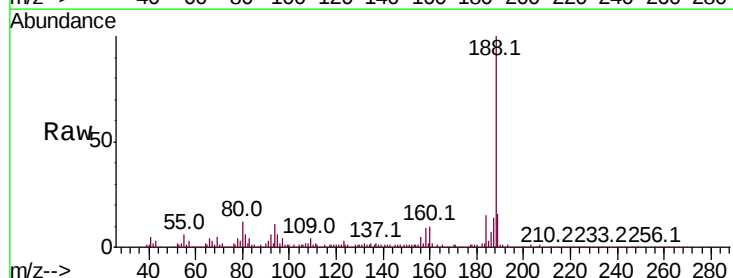
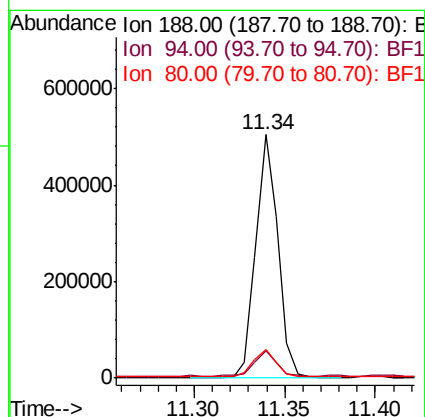
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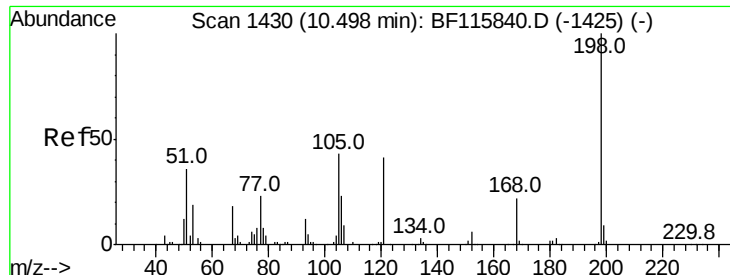
mohammad
8/20/2019 8:37:14 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.3	8.1	12.1		
80	11.9	8.7	13.1		





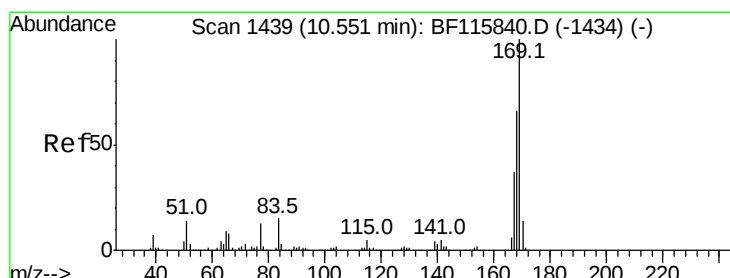
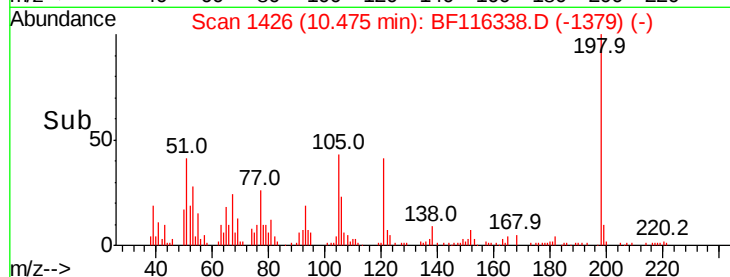
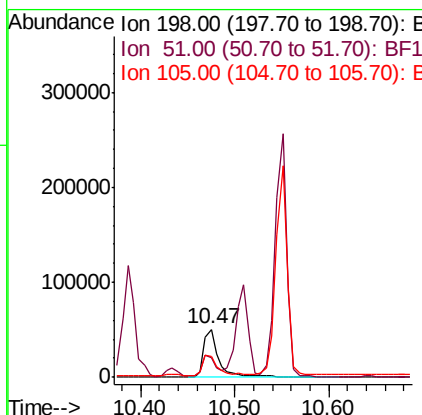
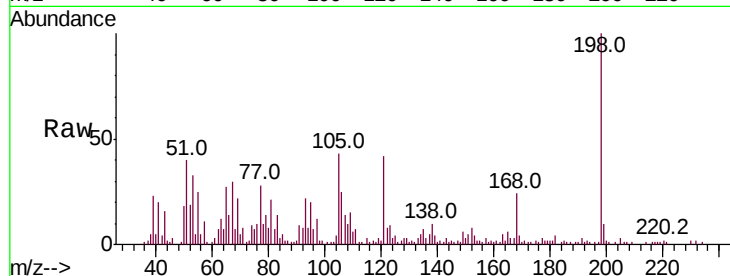
#65
4,6-Dinitro-2-methylphenol
Concen: 25.386 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	40.1	17.0	57.0
105	43.1	21.6	61.6

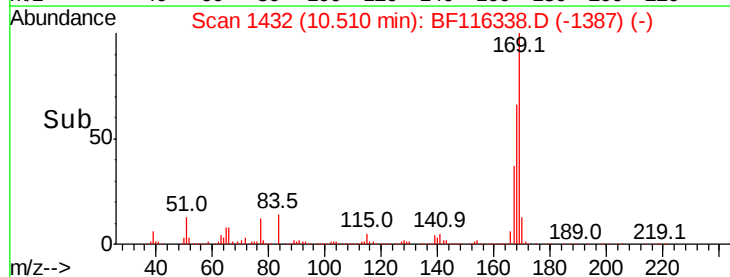
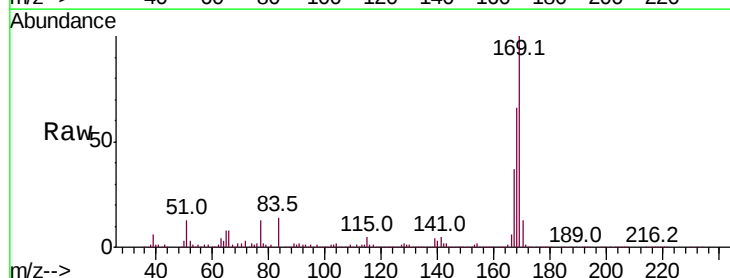
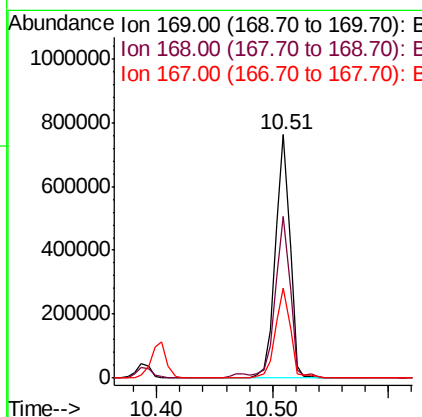
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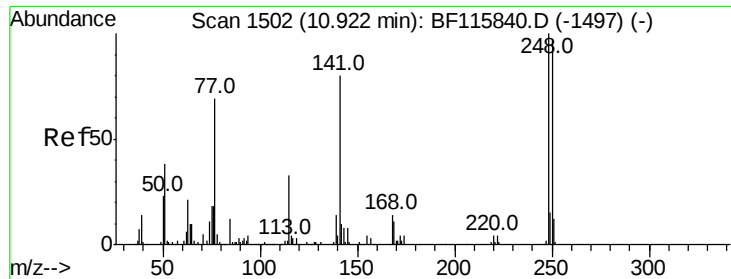
mohammad
8/20/2019 8:37:14 AM



#66
n-Nitrosodiphenylamine
Concen: 51.974 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.8	80.6
167	37.2	29.6	44.4





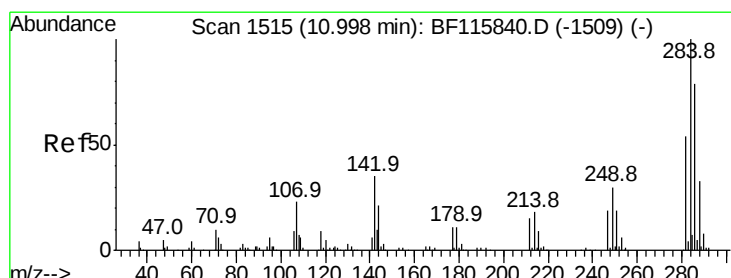
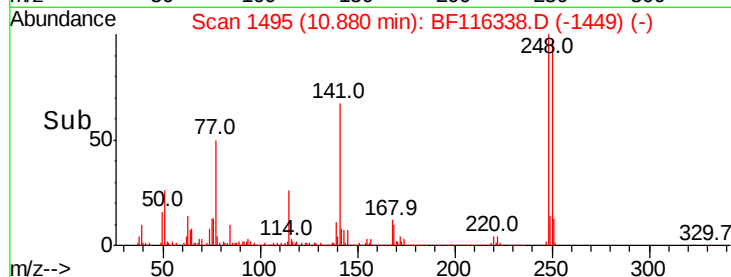
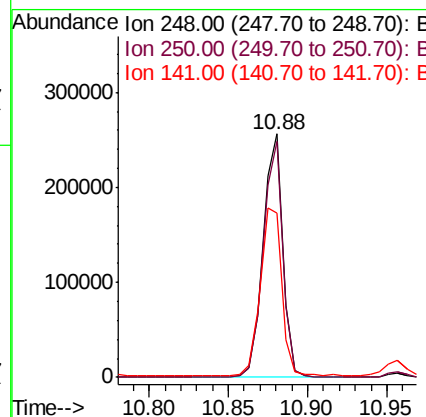
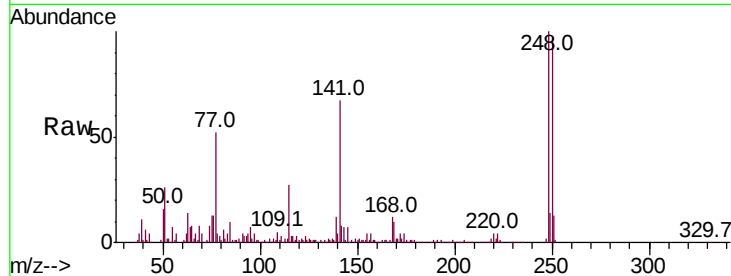
#67
4-Bromophenyl-phenylether
Concen: 48.625 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.4	116.2
141	67.4	56.8	85.2

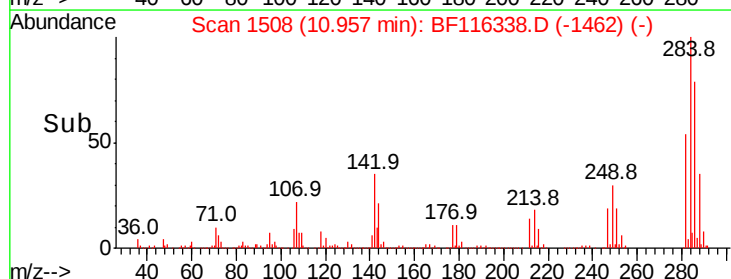
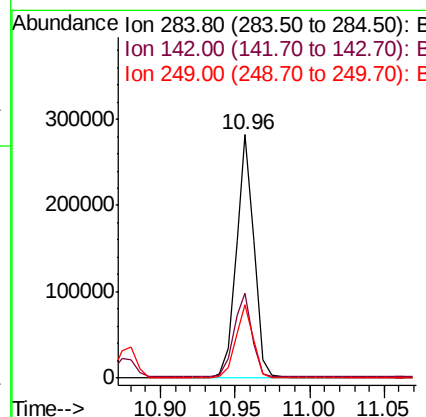
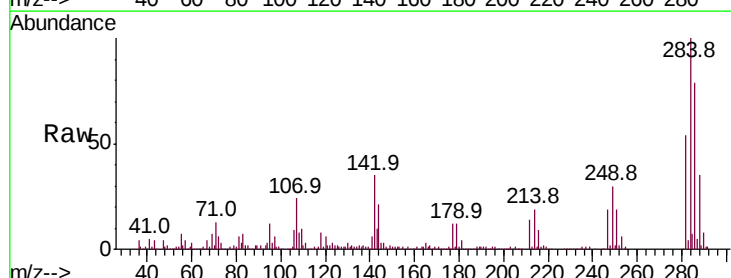
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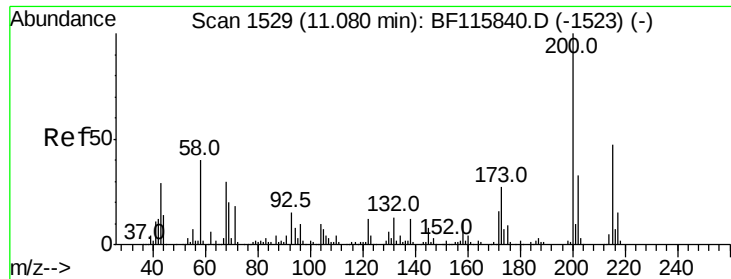
mohammad
8/20/2019 8:37:14 AM



#68
Hexachlorobenzene
Concen: 44.639 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.4	42.6
249	30.0	24.5	36.7





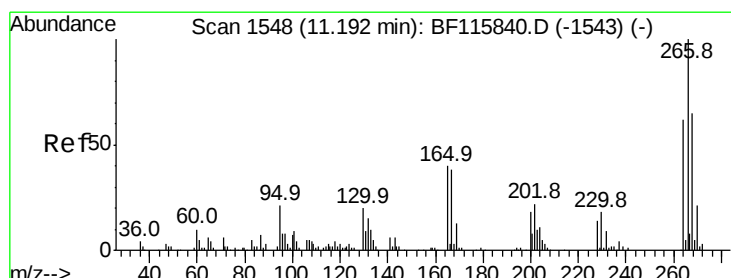
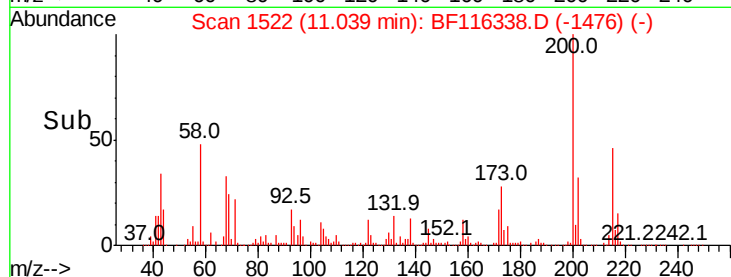
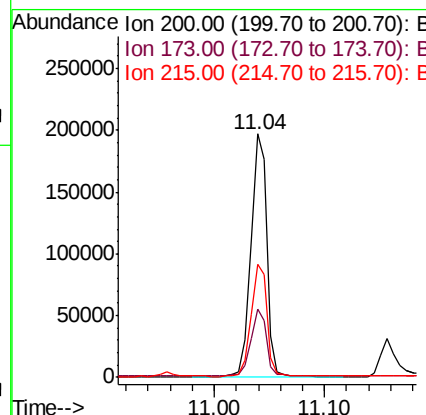
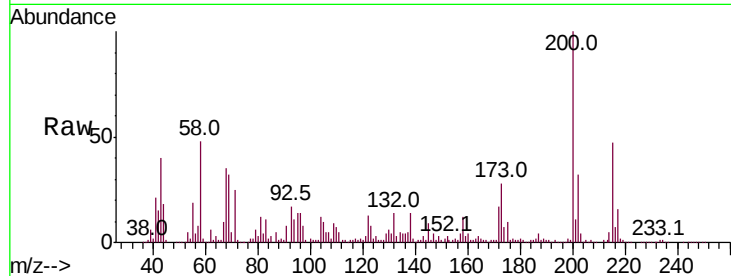
#69
Atrazine
Concen: 47.192 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	199526		
173	28.2	6.8	46.8	
215	46.6	27.5	67.5	

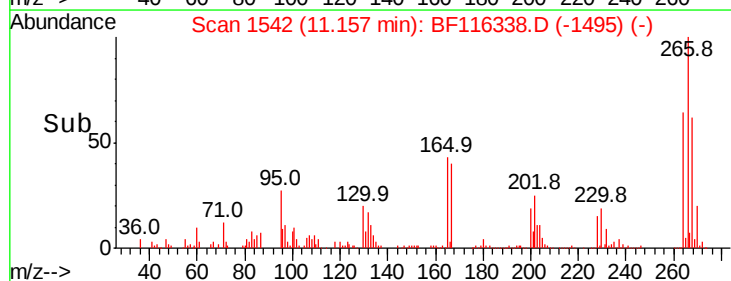
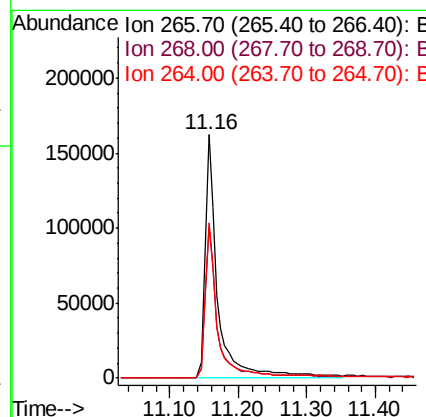
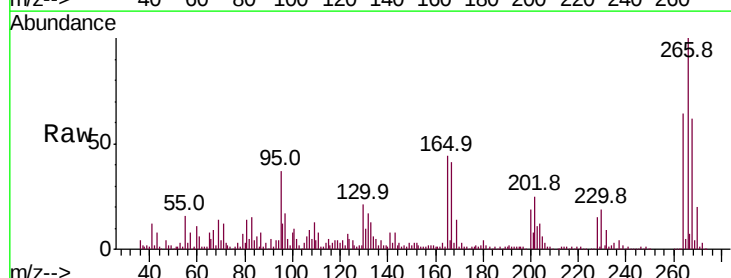
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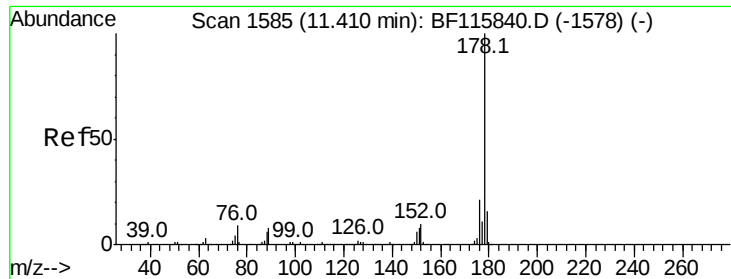
mohammad
8/20/2019 8:37:14 AM



#70
Pentachlorophenol
Concen: 84.454 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.02 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	216714		
268	62.4	48.8	73.2	
264	63.6	50.6	76.0	





#71

Phenanthrene

Concen: 50.711 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054MS

Tot Ion:178 Resp: 1106933

Ion Ratio Lower Upper

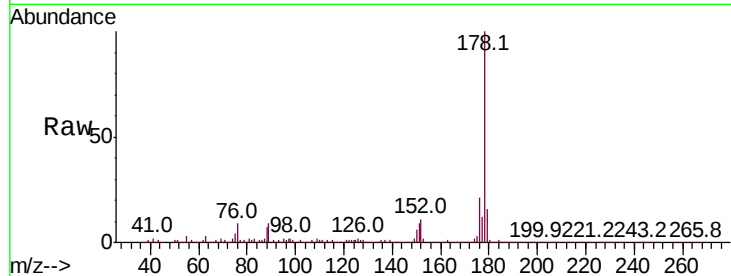
178 100

176 20.9 16.6 24.8

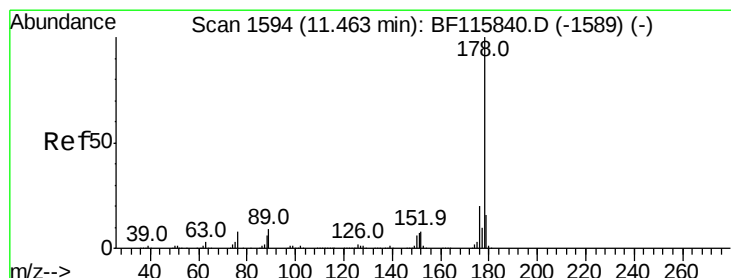
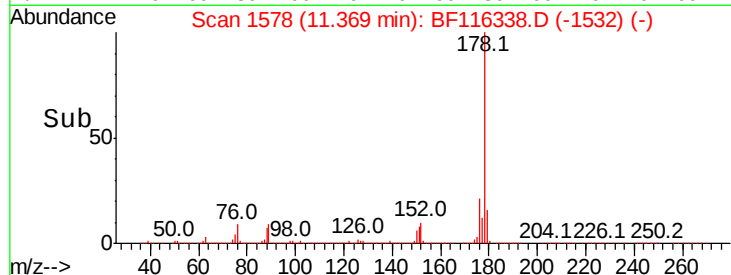
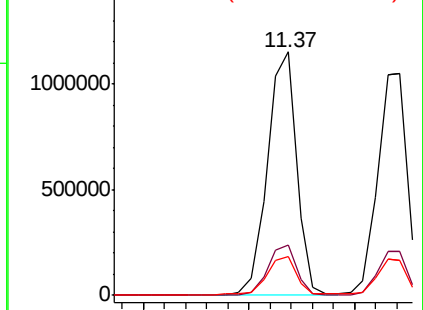
179 15.9 12.5 18.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 47.593 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

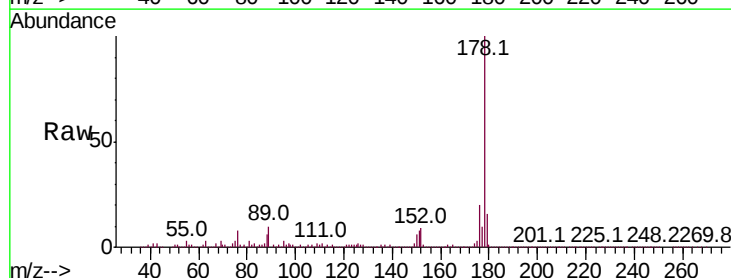
Tgt Ion:178 Resp: 1051384

Ion Ratio Lower Upper

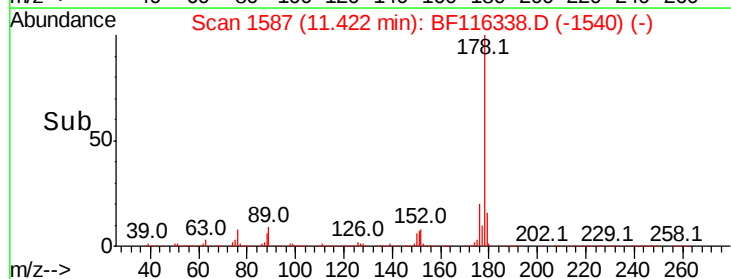
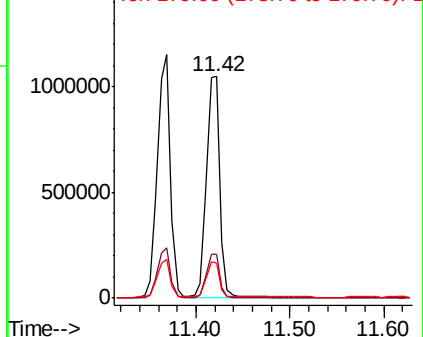
178 100

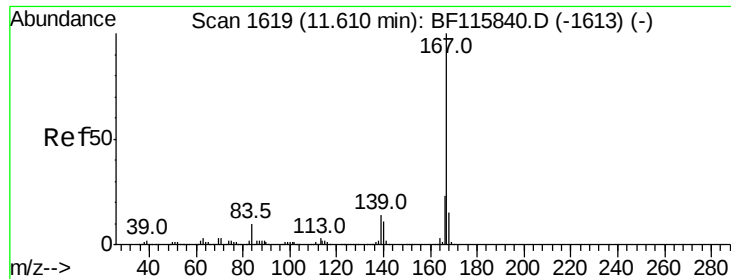
176 20.0 15.7 23.5

179 15.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





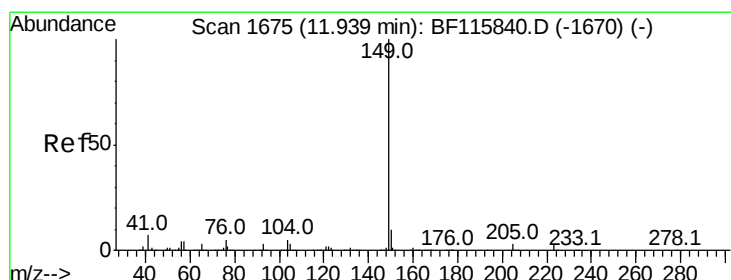
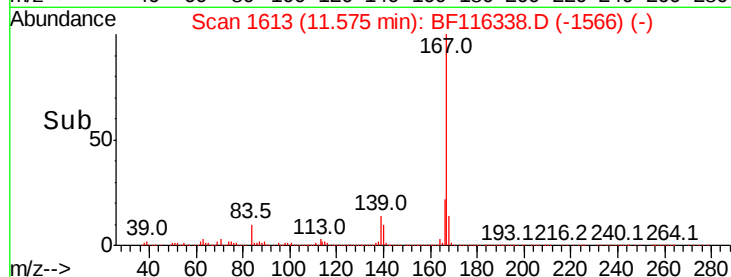
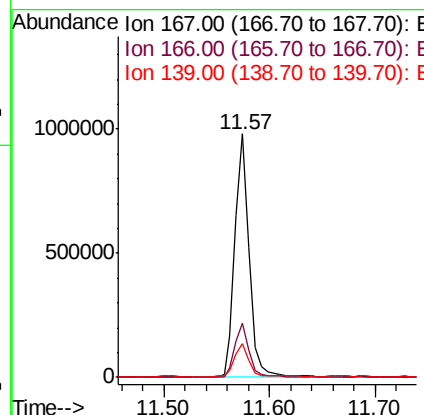
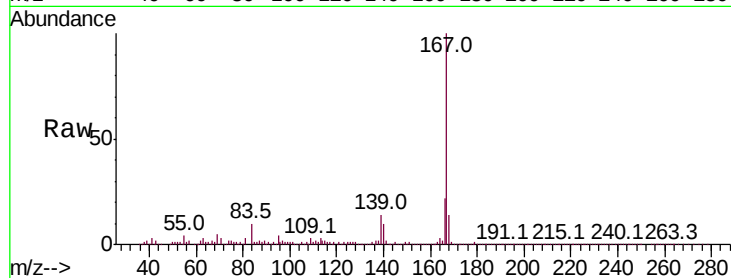
#73
 Carbazole
 Concen: 45.115 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	22.4	17.8	26.6	
139	14.0	11.4	17.0	

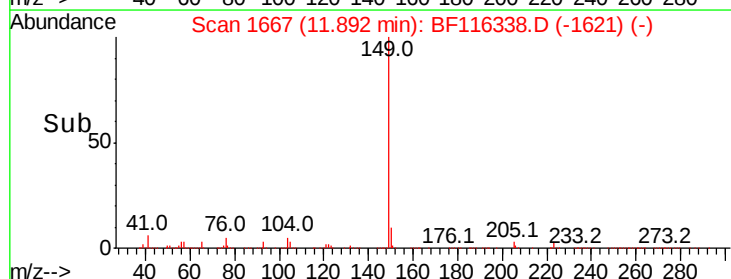
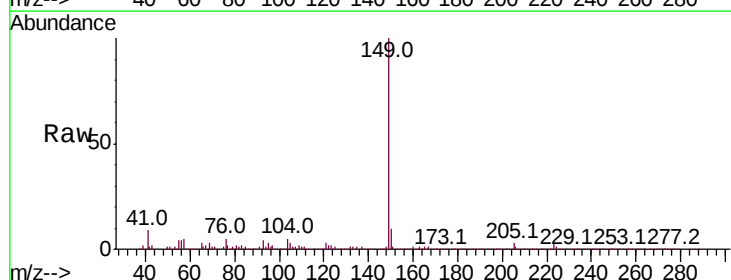
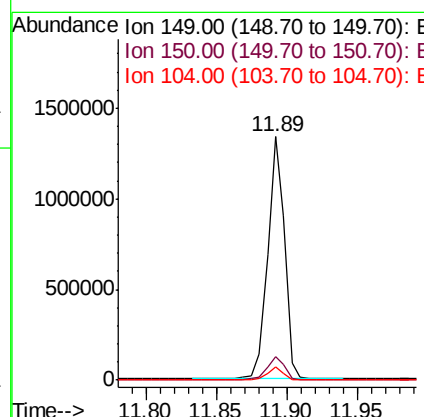
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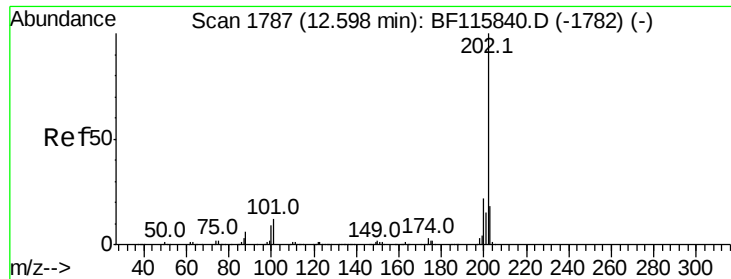
mohammad
 8/20/2019 8:37:14 AM



#74
 Di-n-butylphthalate
 Concen: 48.007 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.03 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.8	8.0	12.0	
104	5.4	4.5	6.7	





#75

Fluoranthene

Concen: 49.382 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

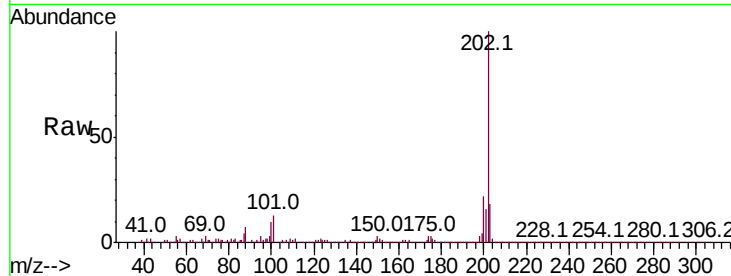
ClientSampleId :

RBR-200057-200054MS

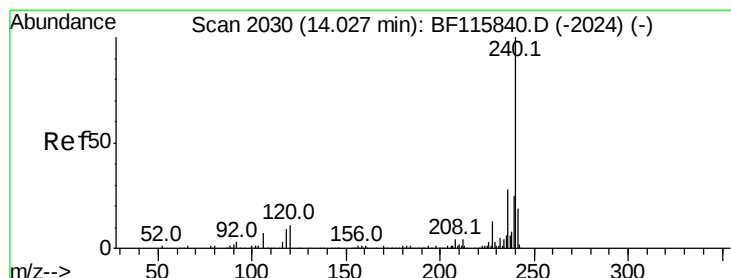
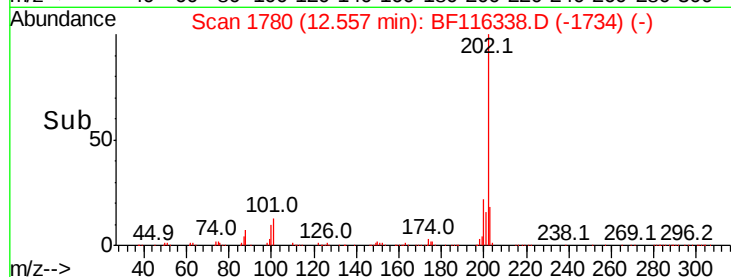
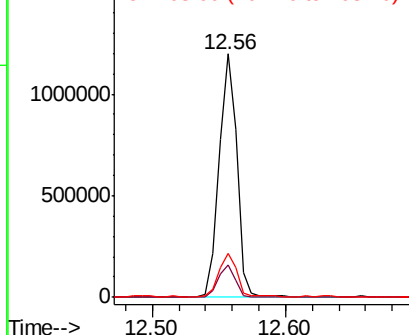
Tot Ion:	202	Resp:	1128466
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	31.2
203	18.3	0.0	37.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

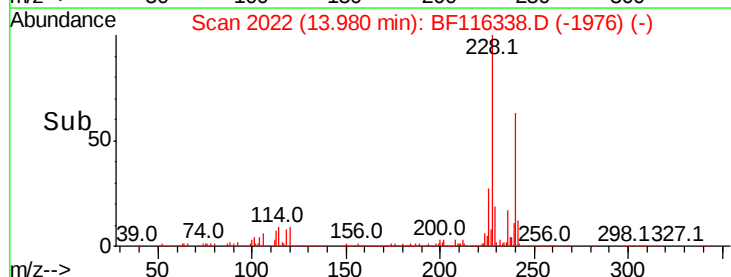
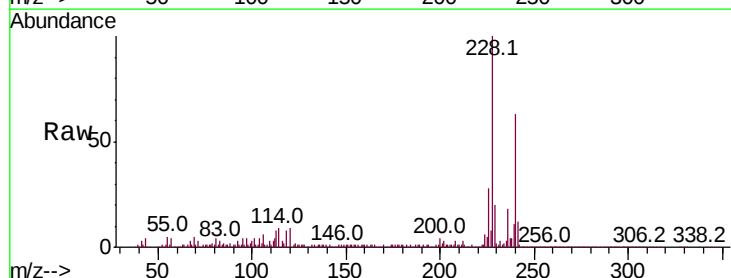
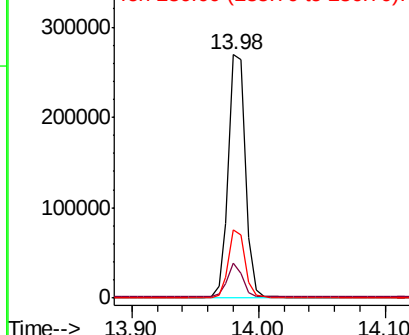
Delta R.T. -0.03 min

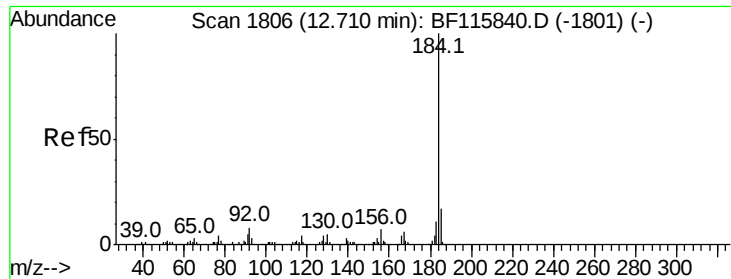
Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	240	Resp:	250454
Ion	Ratio	Lower	Upper
240	100		
120	14.4	10.7	16.1
236	27.8	22.2	33.2

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 13.035 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

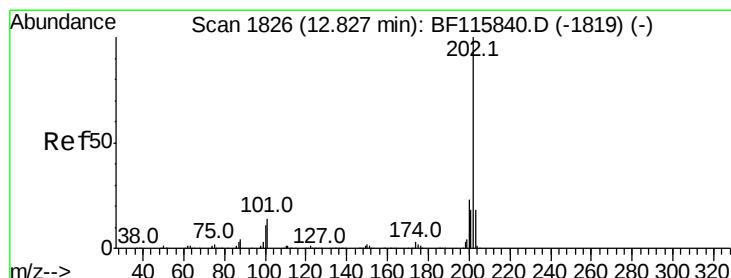
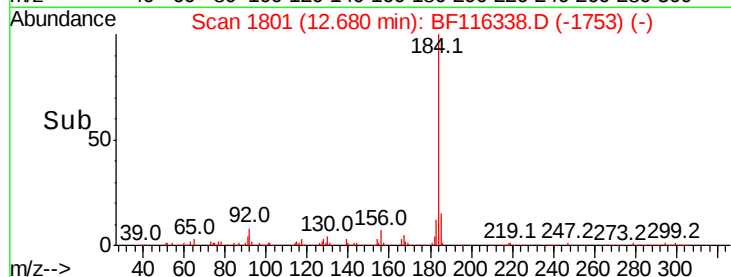
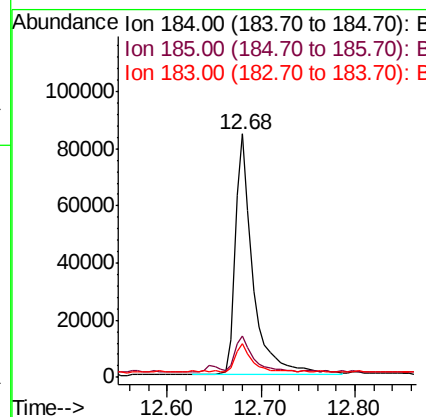
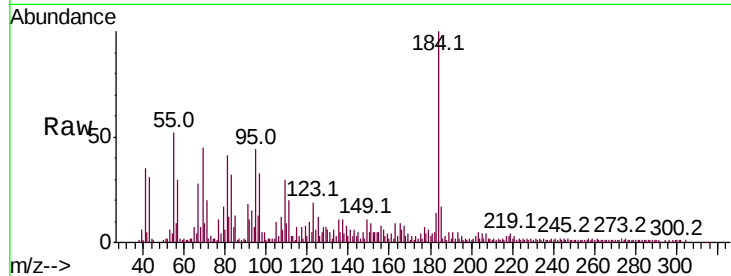
ClientSampleId :

RBR-200057-200054MS

Tot Ion:	184	Resp:	110296
Ion Ratio	Lower	Upper	
184	100		
185	16.8	12.8	19.2
183	13.9	9.4	14.0

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#78

Pyrene

Concen: 60.452 ng

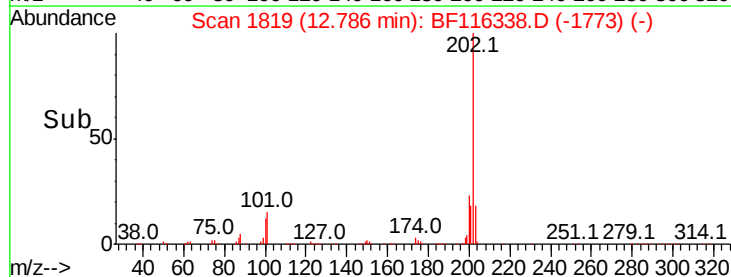
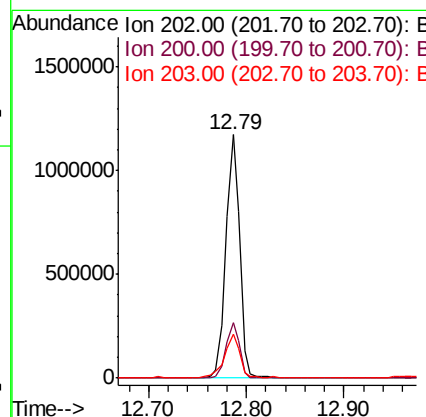
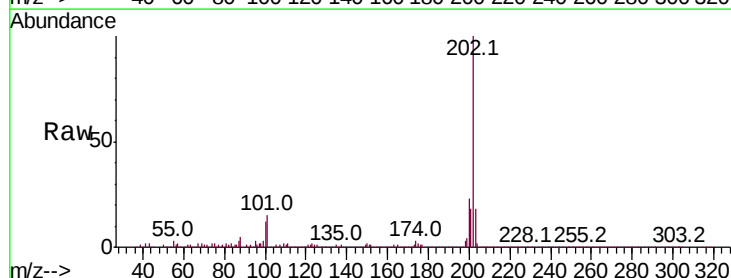
RT: 12.79 min Scan# 1819

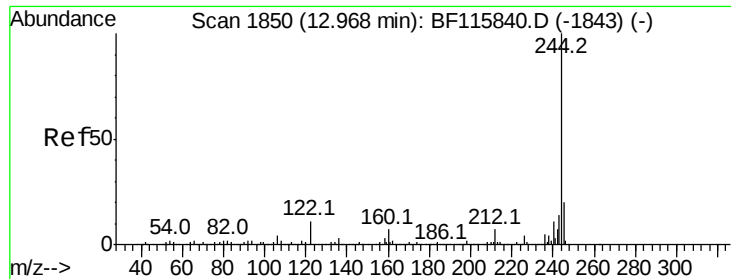
Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	202	Resp:	1141309
Ion Ratio	Lower	Upper	
202	100		
200	22.6	18.0	27.0
203	18.0	14.1	21.1





#79

Terphenyl-d14

Concen: 78.652 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

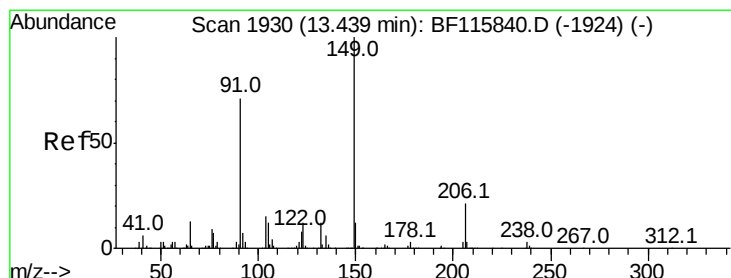
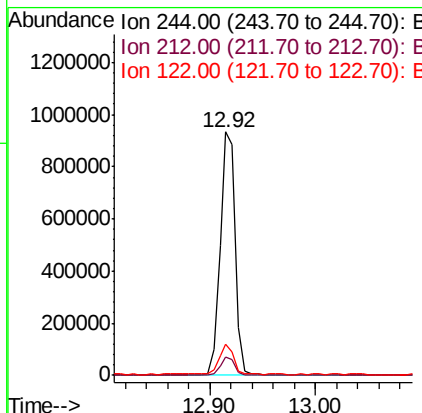
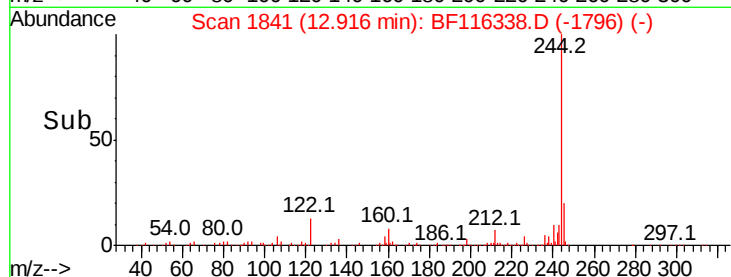
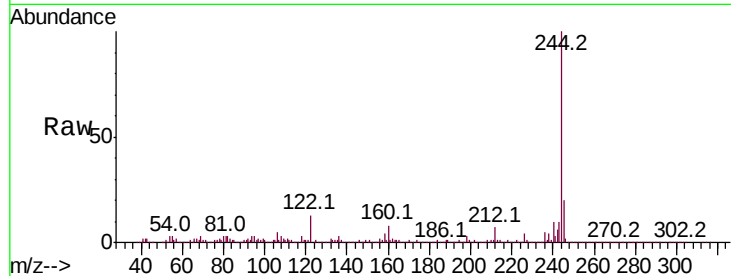
ClientSampleId :

RBR-200057-200054MS

Tot Ion:	244	Resp:	934848
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.8
122	13.0	9.0	13.4

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#80

Butylbenzylphthalate

Concen: 65.049 ng

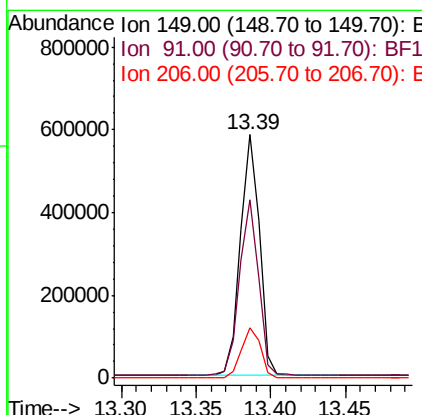
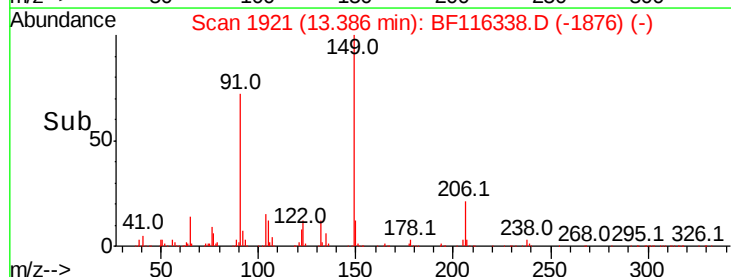
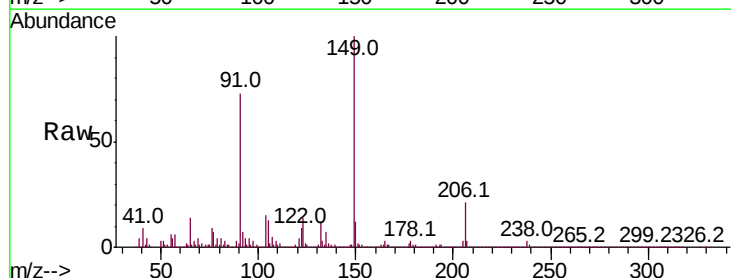
RT: 13.39 min Scan# 1921

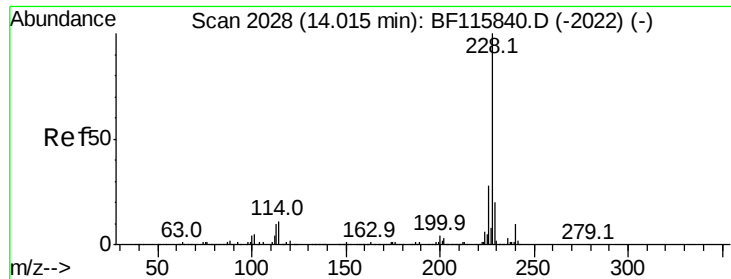
Delta R.T. -0.04 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion:	149	Resp:	519488
Ion Ratio	Lower	Upper	
149	100		
91	73.2	56.3	84.5
206	20.6	18.0	27.0





#81

Benzo(a)anthracene

Concen: 53.189 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Instrument :

BNA_F

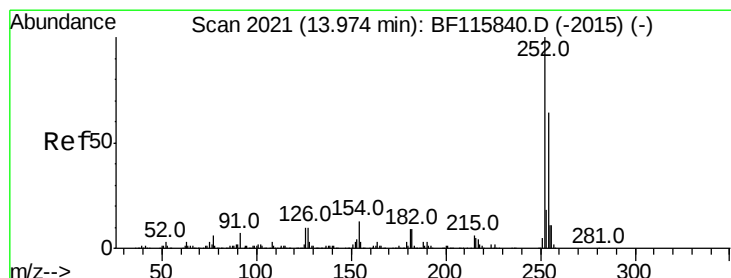
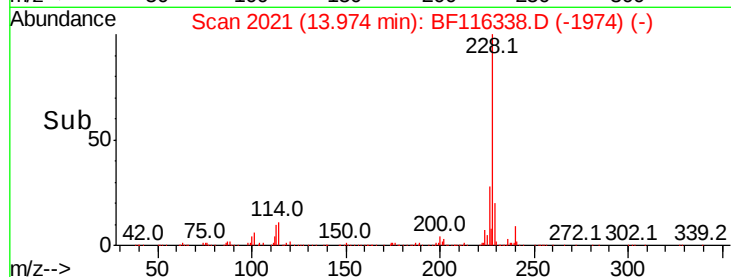
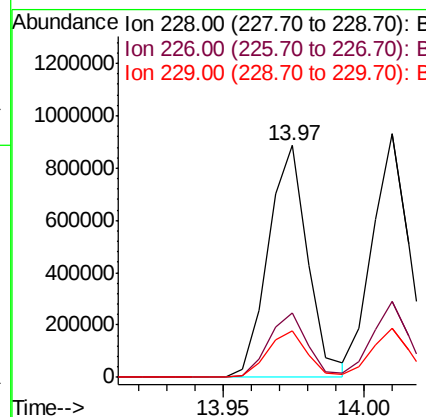
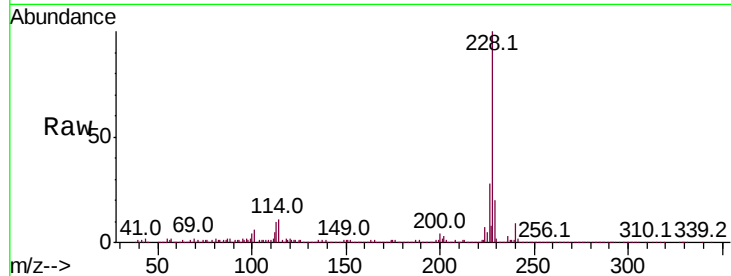
ClientSampleId :

RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.7	34.1
229	20.0	16.2	24.4

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#82

3,3'-Dichlorobenzidine

Concen: 17.751 ng

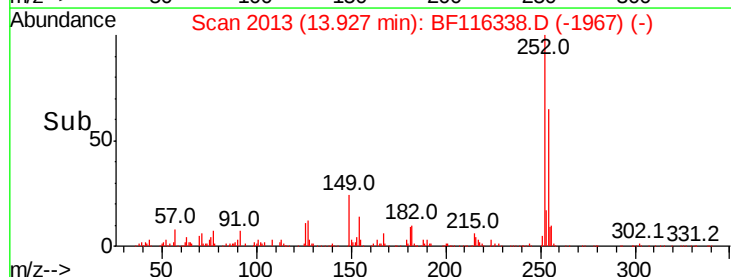
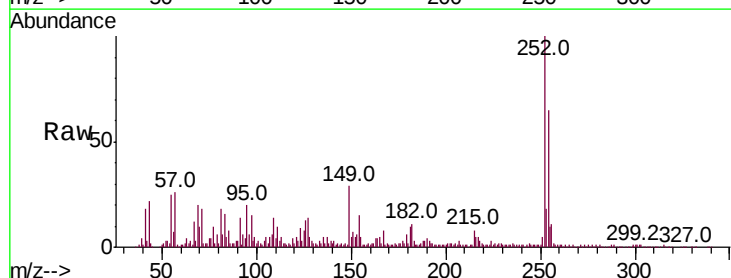
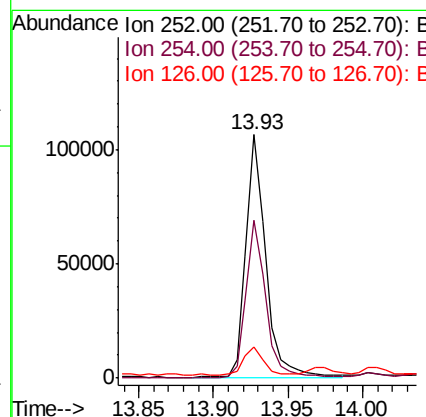
RT: 13.93 min Scan# 2013

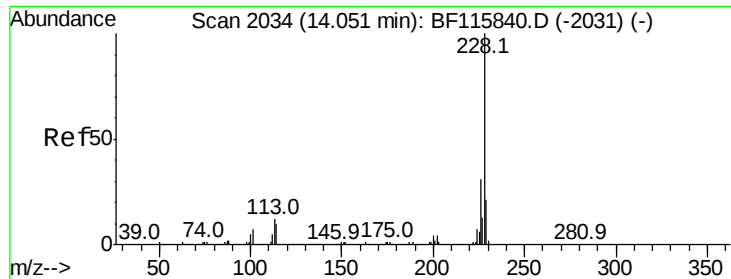
Delta R.T. -0.03 min

Lab File: BF116338.D

Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	50.9	76.3
126	12.9	9.8	14.8





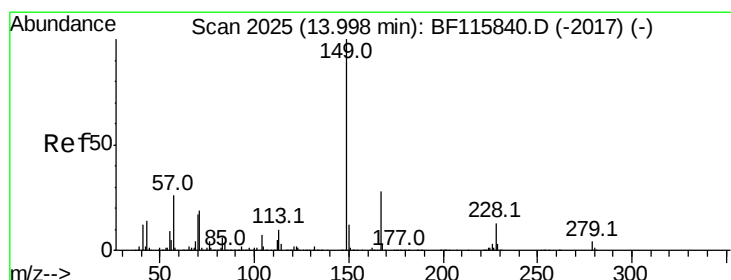
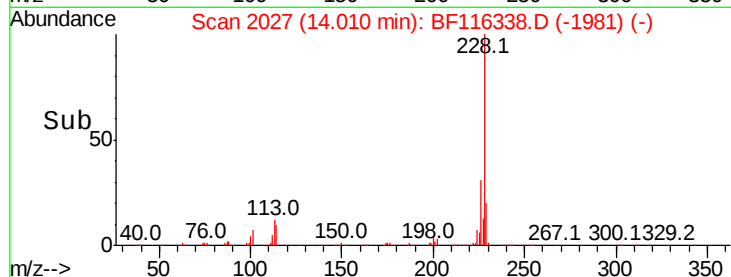
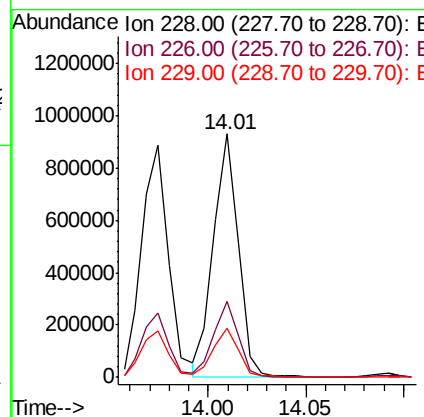
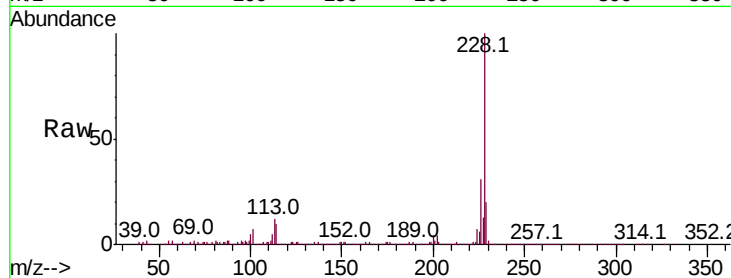
#83
 Chrvsene
 Concen: 53.011 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.03 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	20.1	16.6	24.8

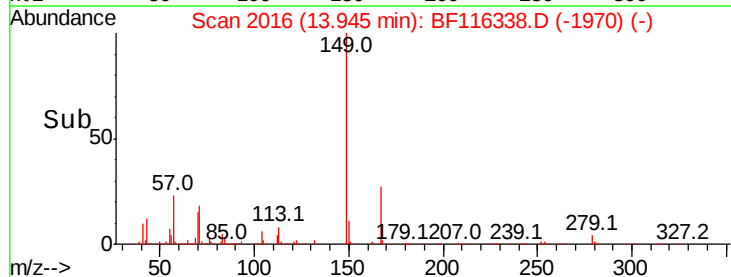
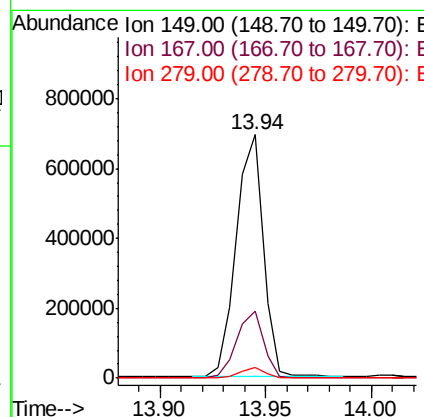
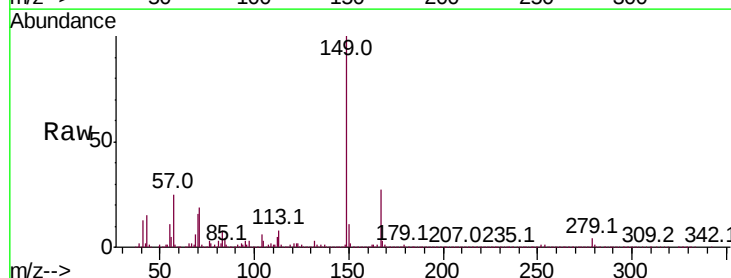
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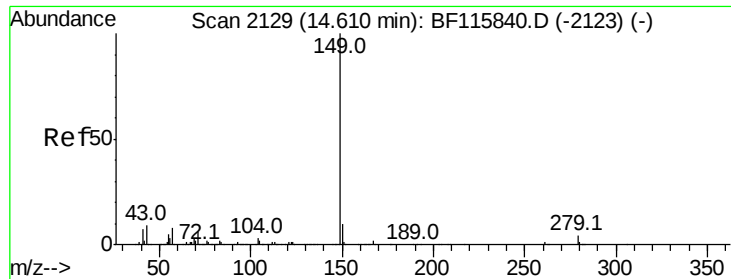
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 58.958 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.03 min
 Lab File: BF116338.D
 Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.6	32.4
279	4.3	3.0	4.4





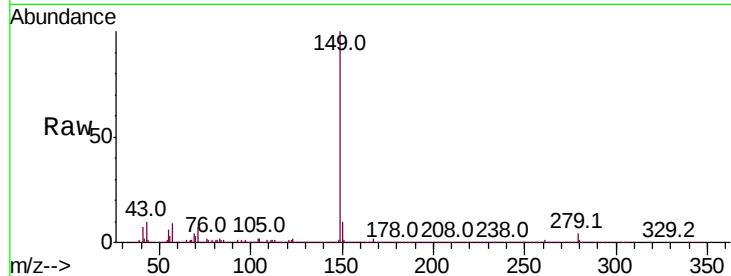
#85
Di-n-octyl phthalate
Concen: 56.229 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

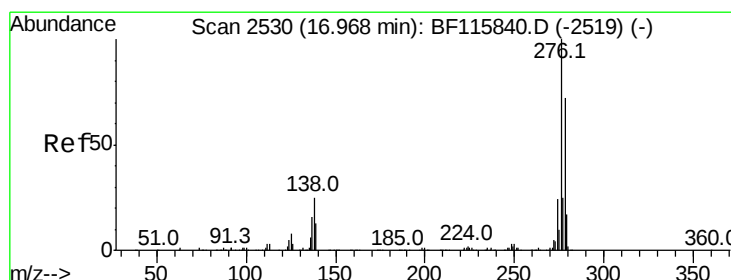
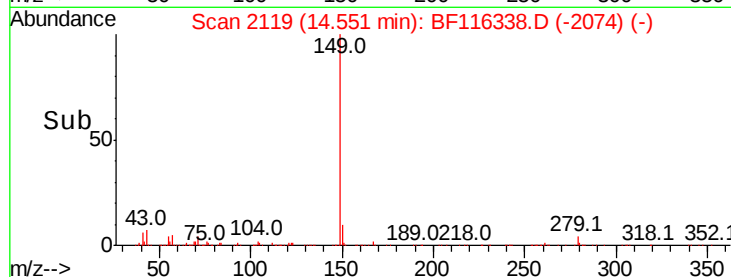
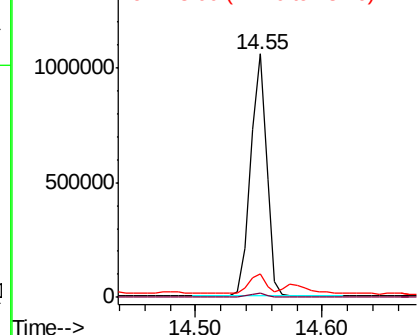
Tot Ion	Ratio	Resp	Lower	Upper
149	100	926881		
167	1.6		1.4	2.0
43	8.3		7.5	11.3

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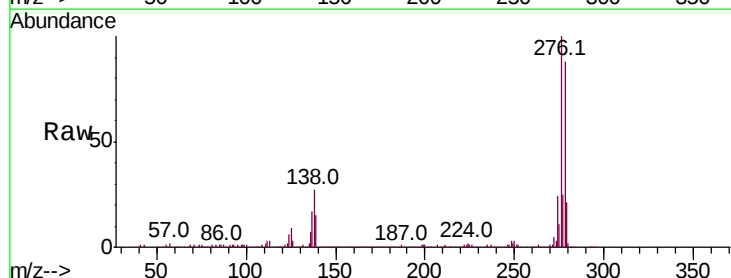


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

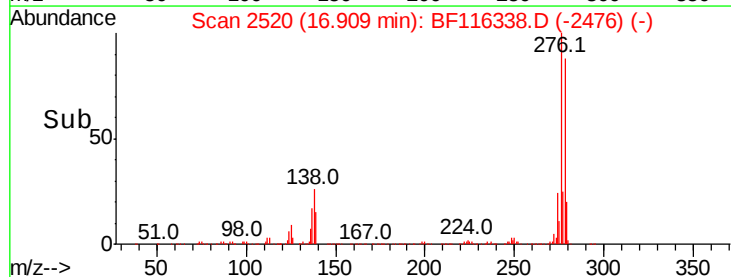
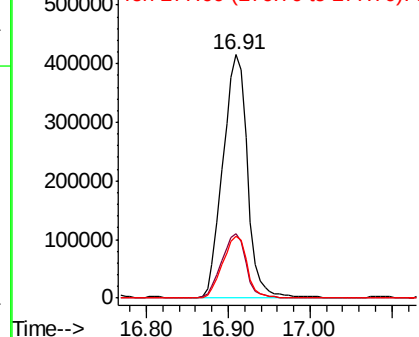


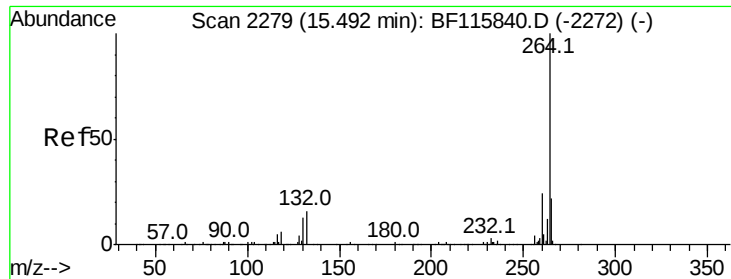
#86
Indeno(1,2,3-cd)pyrene
Concen: 66.235 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	864570		
138	26.2		20.4	30.6
277	25.2		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





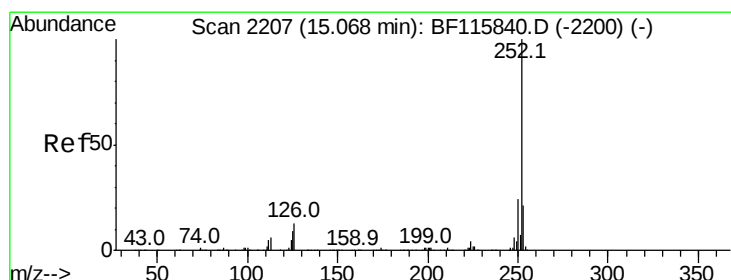
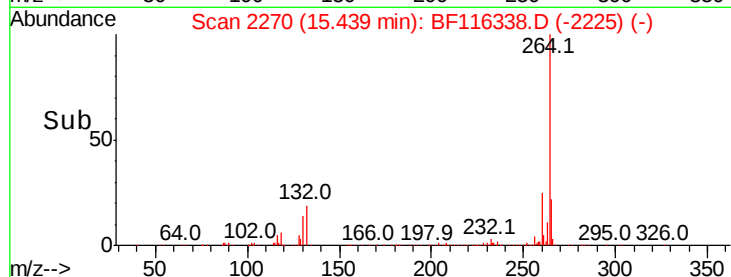
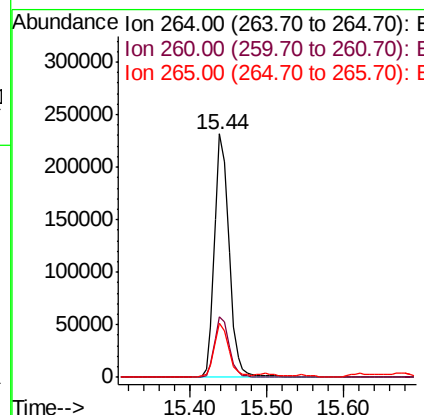
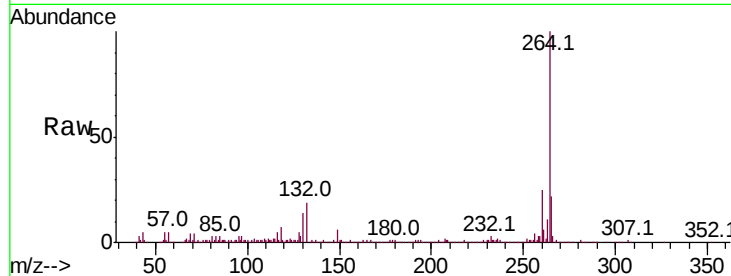
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.3	17.4	26.0

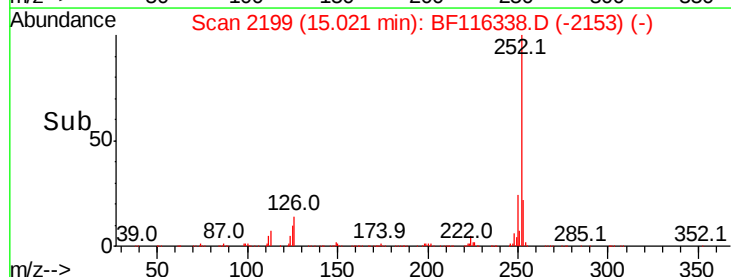
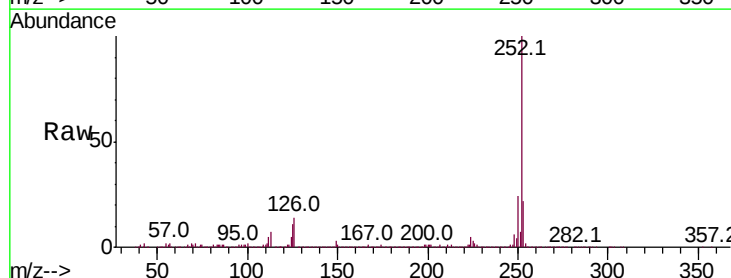
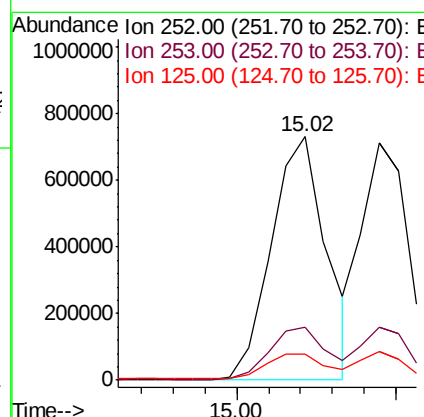
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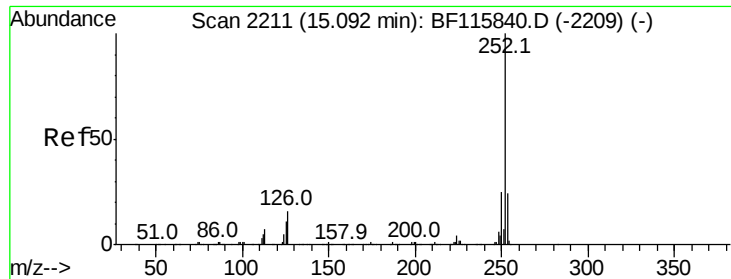
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#88
Benzo(b)fluoranthene
Concen: 50.884 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.6	8.4	12.6





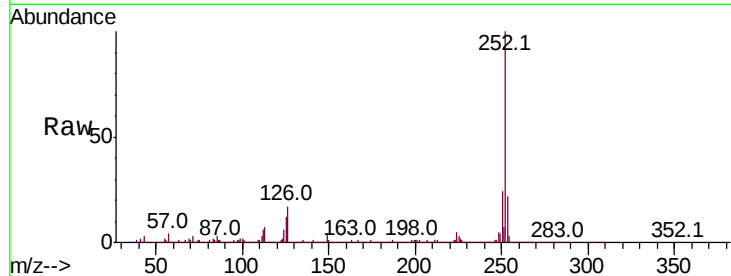
#89
Benzo(k)fluoranthene
Concen: 43.954 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

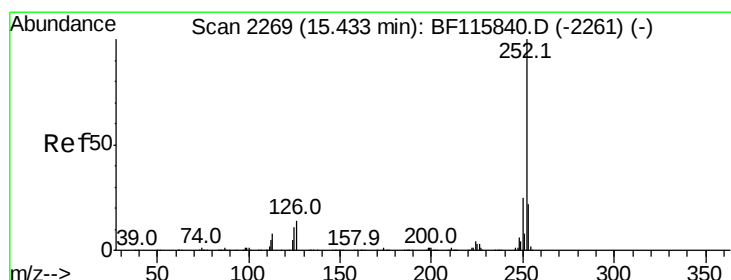
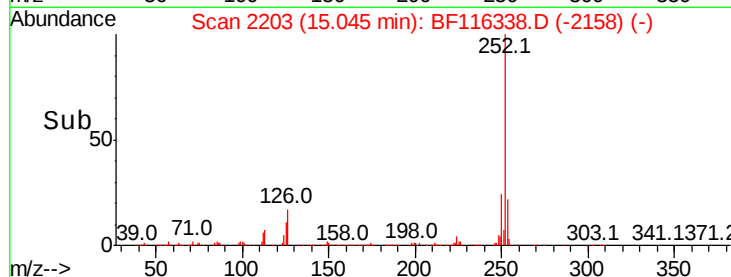
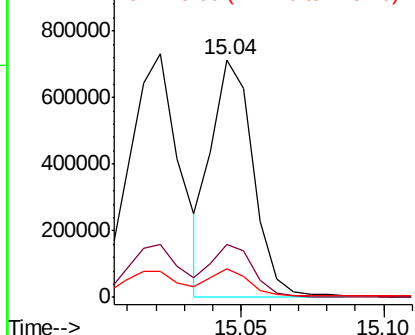
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.8	7.7	11.5

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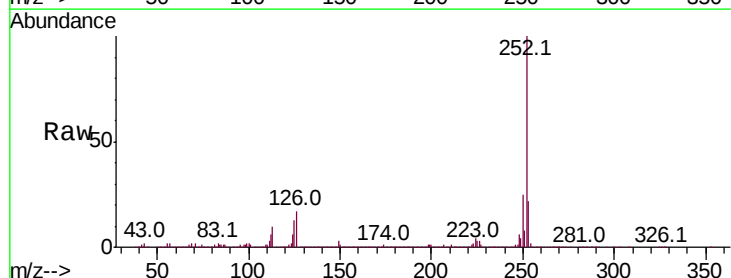


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

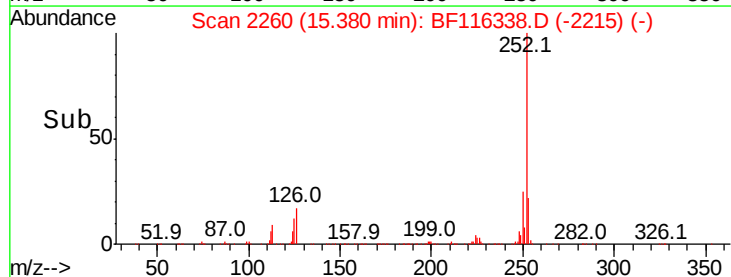
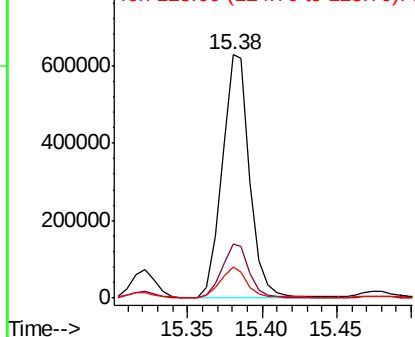


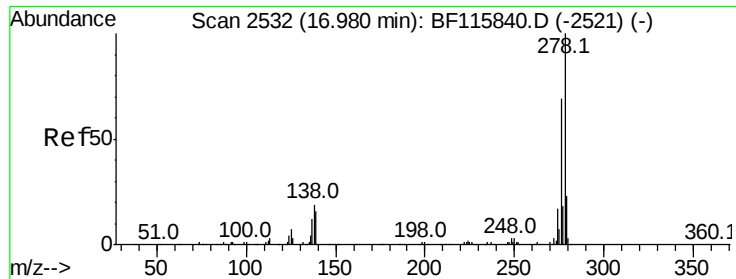
#90
Benzo(a)pyrene
Concen: 52.247 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	13.0	8.9	13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





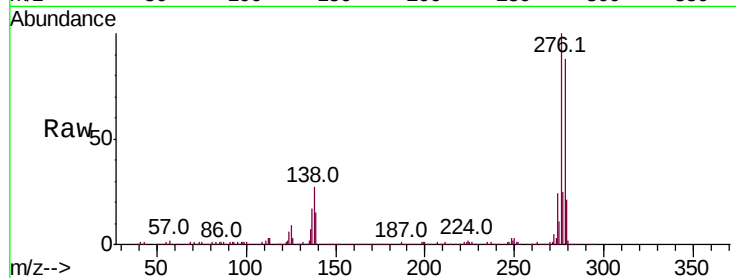
#91
Dibenzo(a,h)anthracene
Concen: 52.318 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.05 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054MS

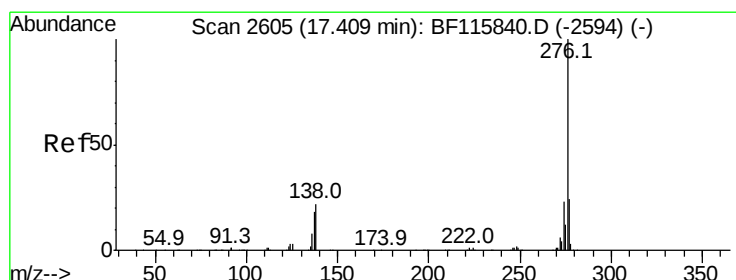
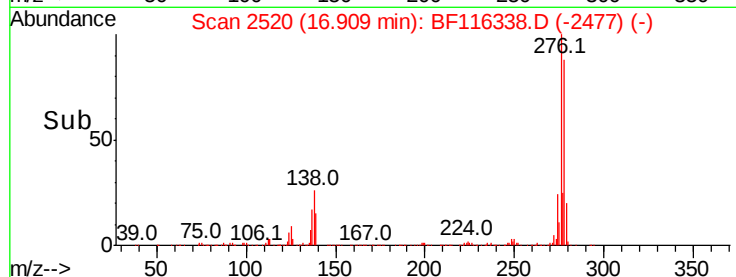
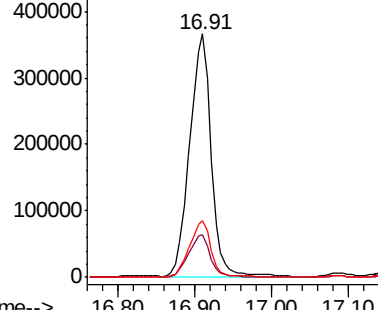
Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	12.8	19.2
279	23.4	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/20/2019 8:37:14 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: 54.846 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.04 min
Lab File: BF116338.D
Acq: 17 Aug 2019 00:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.4	27.6
138	23.9	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

