

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
 Data File : BF115439.D
 Acq On : 9 Jul 2019 18:09
 Operator : HP/JU
 Sample : K3687-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Manual Integrations
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mohammad
 7/10/2019 6:16:53 PM

Quant Time: Jul 10 07:45:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:29:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	169258	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	673791	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	346774	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	701260	20.00	ng	0.00
76) Chrysene-d12	14.22	240	416657	20.00	ng	0.00
87) Perylene-d12	15.89	264	423213	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1253540	114.43	ng	0.01
7) Phenol-d6	6.53	99	1702066	122.17	ng	0.00
23) Nitrobenzene-d5	7.46	82	1080183	94.72	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	528102	137.74	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1816240	91.91	ng	0.00
79) Terphenyl-d14	13.04	244	2105567	103.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.75	88	169251	31.498	ng	100
3) Pyridine	3.50	79	456811	30.744	ng	99
4) n-Nitrosodimethylamine	3.44	42	200413	33.262	ng	99
6) Aniline	6.56	93	470971	23.955	ng	99
8) 2-Chlorophenol	6.69	128	483651	39.099	ng	99
9) Benzaldehyde	6.45	77	265992	31.791	ng	97
10) Phenol	6.54	94	629789	37.780	ng	98
11) bis(2-Chloroethyl)ether	6.63	93	463538	37.483	ng	99
12) 1,3-Dichlorobenzene	6.84	146	500852	36.957	ng	99
13) 1,4-Dichlorobenzene	6.92	146	507299	37.371	ng	98
14) 1,2-Dichlorobenzene	7.07	146	469716	37.373	ng	99
15) Benzyl Alcohol	7.03	79	437628	39.143	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	624968	36.143	ng	99
17) 2-Methylphenol	7.15	107	412306	38.906	ng	99
18) Hexachloroethane	7.41	117	188178	37.211	ng	93
19) n-Nitroso-di-n-propylamine	7.31	70	343882	36.483	ng	97
20) 3+4-Methylphenols	7.30	107	496392	39.654	ng	# 89
22) Acetophenone	7.30	105	661261	40.957	ng	# 96
24) Nitrobenzene	7.47	77	529858	41.140	ng	97
25) Isophorone	7.72	82	979698	39.634	ng	99
26) 2-Nitrophenol	7.79	139	269688	50.933	ng	99
27) 2,4-Dimethylphenol	7.83	122	463242	45.881	ng	100
28) bis(2-Chloroethoxy)methane	7.92	93	601427	39.457	ng	100
29) 2,4-Dichlorophenol	8.03	162	432137	42.972	ng	99
30) 1,2,4-Trichlorobenzene	8.12	180	454210	40.571	ng	98
31) Naphthalene	8.20	128	1390517	41.549	ng	99
32) Benzoic acid	7.92	122	124252	20.808	ng	99
33) 4-Chloroaniline	8.24	127	224756	15.052	ng	99
34) Hexachlorobutadiene	8.32	225	255796	40.289	ng	98
35) Caprolactam	8.62	113	139655m	42.639	ng	
36) 4-Chloro-3-methylphenol	8.72	107	459830	43.229	ng	98
37) 2-Methylnaphthalene	8.89	142	953939	42.644	ng	99
38) 1-Methylnaphthalene	8.99	142	891499	41.769	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	421118	42.212	ng	99

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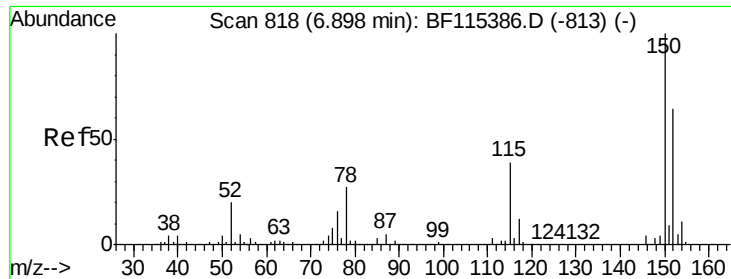
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	455164	78.719	nq	99
43) 2,4,6-Trichlorophenol	9.17	196	318549	43.860	nq	99
44) 2,4,5-Trichlorophenol	9.21	196	335419	44.538	nq	95
46) 1,1'-Biphenyl	9.36	154	1173418	43.043	nq	98
47) 2-Chloronaphthalene	9.38	162	930412	41.294	nq	99
48) 2-Nitroaniline	9.47	65	294185	44.441	nq	96
49) Acenaphthylene	9.80	152	1420593	41.643	nq	99
50) Dimethylphthalate	9.66	163	1459827	56.087	nq	99
51) 2,6-Dinitrotoluene	9.71	165	262610	46.522	nq	99
52) Acenaphthene	9.97	154	948485	44.179	nq	99
53) 3-Nitroaniline	9.87	138	173972	26.535	nq	99
54) 2,4-Dinitrophenol	9.99	184	185649	76.688	nq	# 60
55) Dibenzofuran	10.14	168	1295834	42.848	nq	100
56) 4-Nitrophenol	10.04	139	466625	91.992	nq	88
57) 2,4-Dinitrotoluene	10.12	165	350868	48.909	nq	95
58) Fluorene	10.48	166	959216	40.235	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.26	232	283692	43.605	nq	99
60) Diethylphthalate	10.36	149	1094754	42.732	nq	99
61) 4-Chlorophenyl-phenylether	10.47	204	488165	41.953	nq	99
62) 4-Nitroaniline	10.50	138	283024	43.979	nq	99
63) Azobenzene	10.63	77	1089993	41.274	nq	100
65) 4,6-Dinitro-2-methylphenol	10.52	198	153083	45.984	nq	98
66) n-Nitrosodiphenylamine	10.59	169	921442	41.703	nq	99
67) 4-Bromophenyl-phenylether	10.96	248	321726	40.887	nq	98
68) Hexachlorobenzene	11.03	284	355120	40.219	nq	99
69) Atrazine	11.12	200	311213	45.512	nq	100
70) Pentachlorophenol	11.22	266	388112	72.126	nq	100
71) Phenanthrene	11.44	178	1540843	41.779	nq	100
72) Anthracene	11.50	178	1568128	42.401	nq	100
73) Carbazole	11.64	167	1404861	41.522	nq	99
74) Di-n-butylphthalate	11.98	149	1758323	43.001	nq	100
75) Fluoranthene	12.65	202	1729200	44.530	nq	99
77) Benzidine	12.77	184	661087	40.687	nq	97
78) Pyrene	12.89	202	1732896	53.482	nq	100
80) Butylbenzylphthalate	13.56	149	766656	54.155	nq	96
81) Benzo(a)anthracene	14.21	228	1283563	48.079	nq	100
82) 3,3'-Dichlorobenzidine	14.16	252	300816	31.053	nq	99
83) Chrysene	14.26	228	1317955	48.048	nq	100
84) Bis(2-ethylhexyl)phthalate	14.22	149	955500	54.501	nq	99
85) Di-n-octyl phthalate	14.96	149	1634615	52.374	nq	100
86) Indeno(1,2,3-cd)pyrene	17.41	276	1303221	59.969	nq	100
88) Benzo(b)fluoranthene	15.44	252	1158375	42.039	nq	99
89) Benzo(k)fluoranthene	15.47	252	1017442	41.519	nq	98
90) Benzo(a)pyrene	15.83	252	1044546	43.951	nq	98
91) Dibenzo(a,h)anthracene	17.44	278	1069653	52.669	nq	99
92) Benzo(g,h,i)perylene	17.87	276	1113718	57.938	nq	99

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



#1

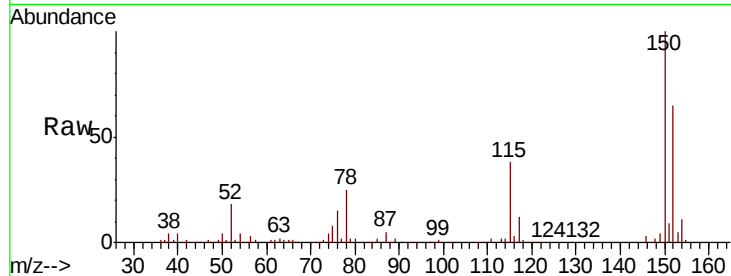
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.5	189.7
115	58.7	48.6	73.0

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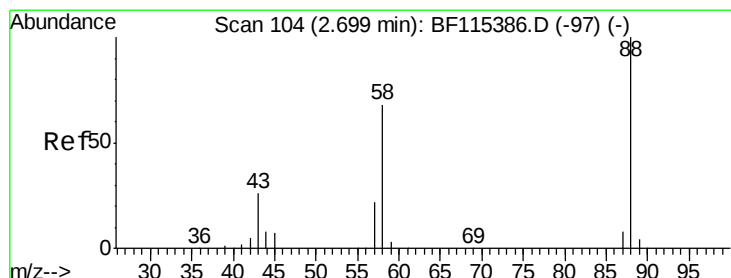
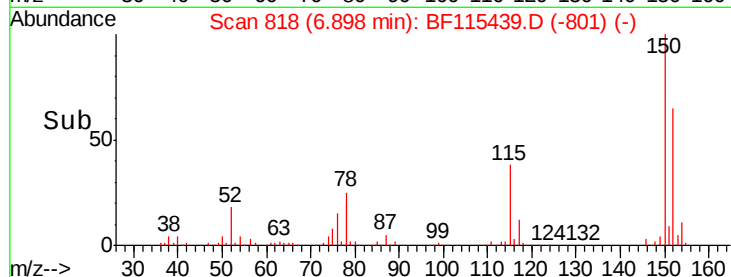
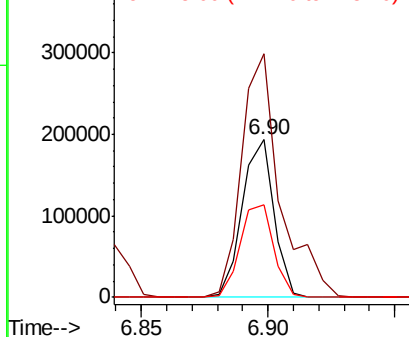


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

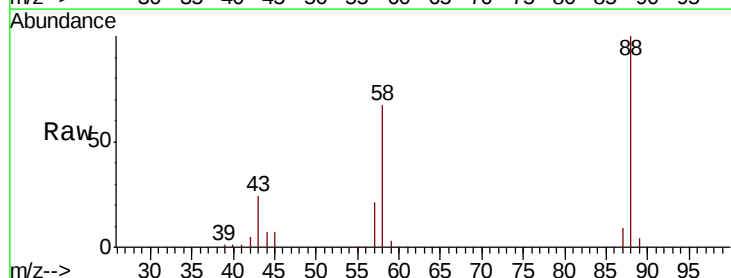
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 31.498 ng
RT: 2.75 min Scan# 112
Delta R.T. 0.04 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	25.0	20.2	30.4

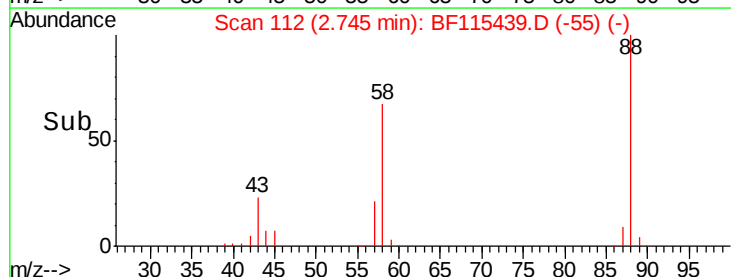
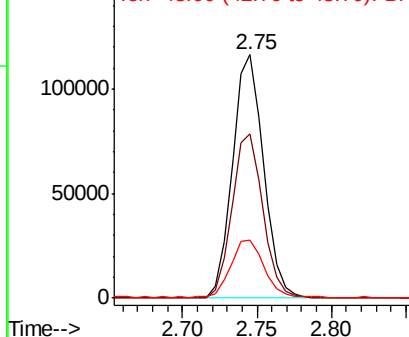


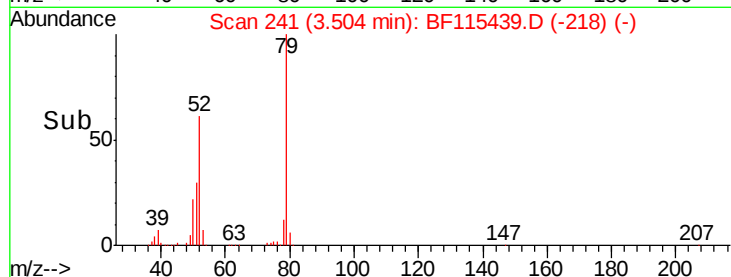
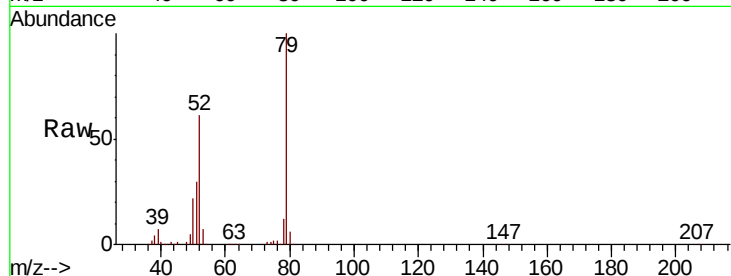
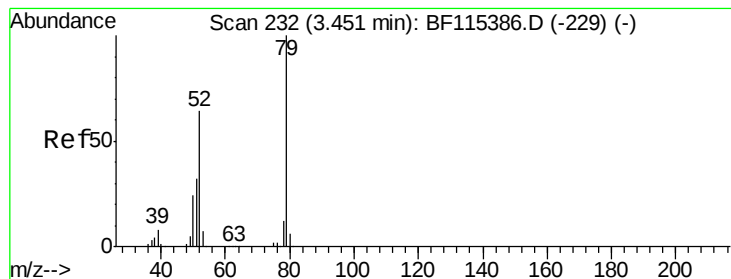
Abundance

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: 30.744 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.04 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Tot Ion:	79	Resp:	456811
Ion Ratio	Lower	Upper	
79	100		
52	60.6	49.0	73.6
51	29.7	24.1	36.1

Instrument :

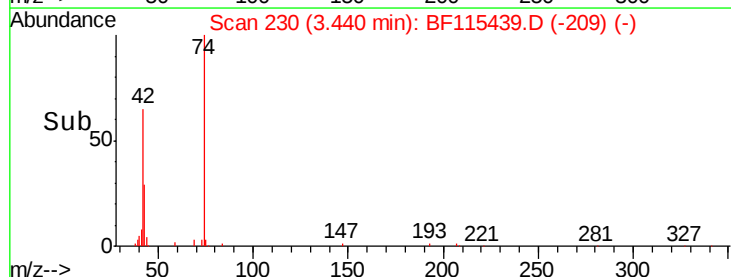
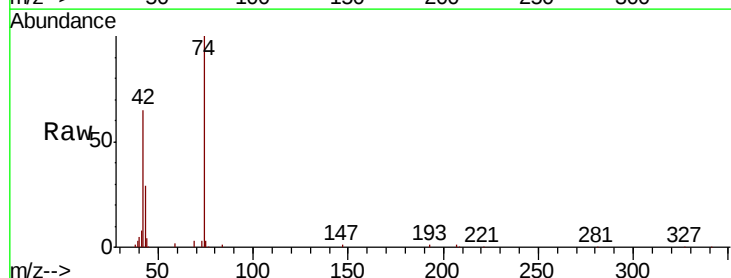
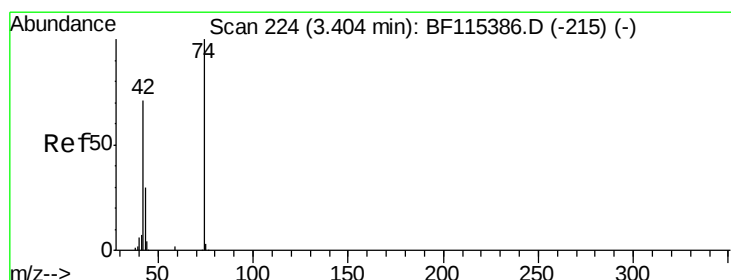
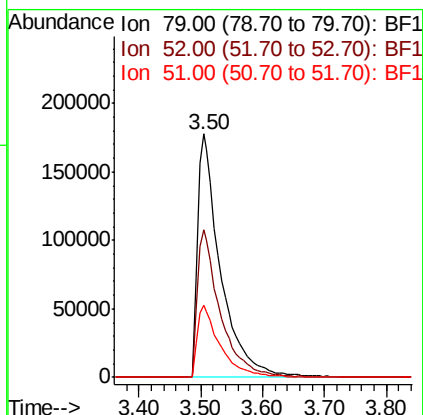
BNA_F

ClientSampleId :

72-12017-VNJ-206MSD

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 33.262 ng

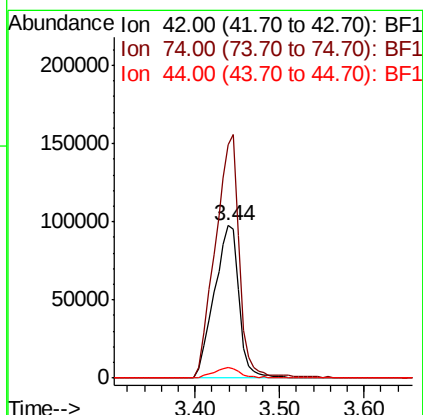
RT: 3.44 min Scan# 230

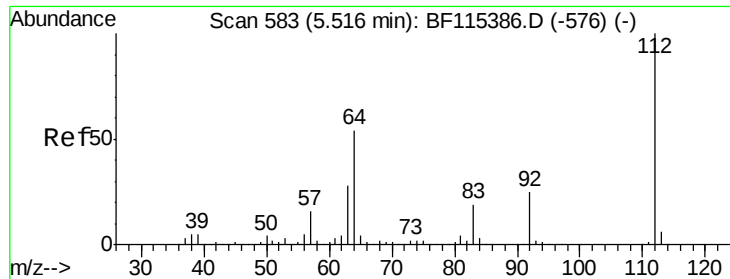
Delta R.T. 0.02 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Tgt Ion:	42	Resp:	200413
Ion Ratio	Lower	Upper	
42	100		
74	152.7	121.0	181.4
44	6.6	5.3	7.9





#5

2-Fluorophenol

Concen: 114.426 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion:112 Resp: 1253540

Ion Ratio Lower Upper

112 100

64 56.4 47.0 70.4

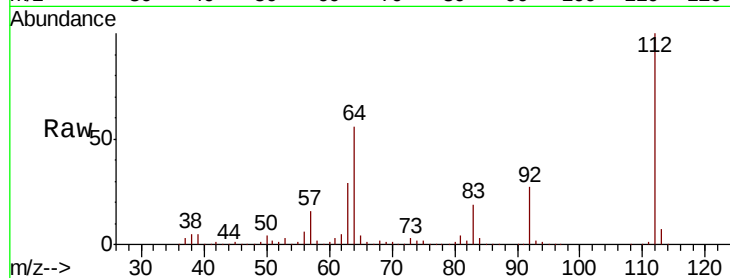
63 28.8 23.7 35.5

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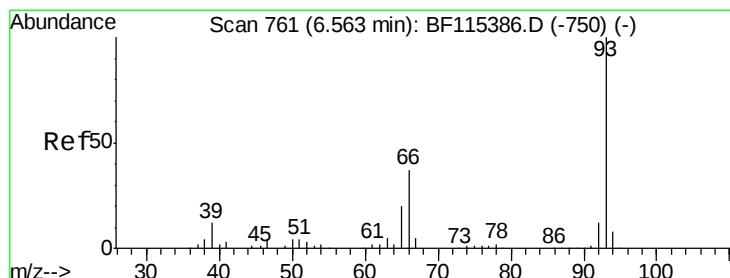
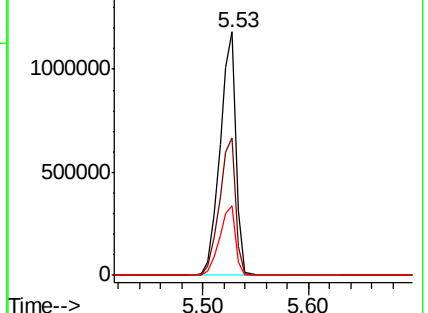
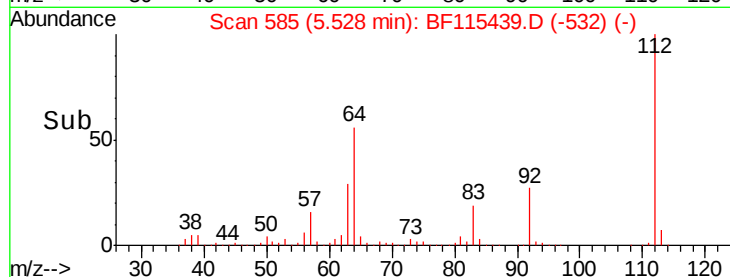
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 23.955 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

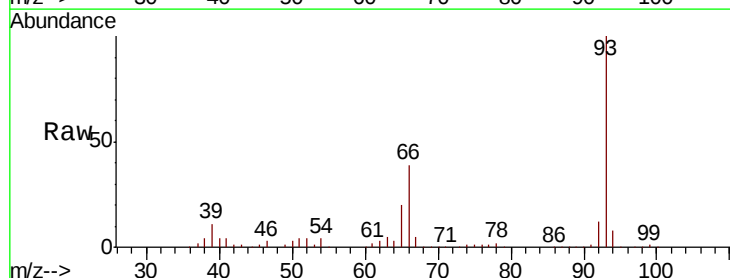
Tgt Ion: 93 Resp: 470971

Ion Ratio Lower Upper

93 100

66 38.9 30.5 45.7

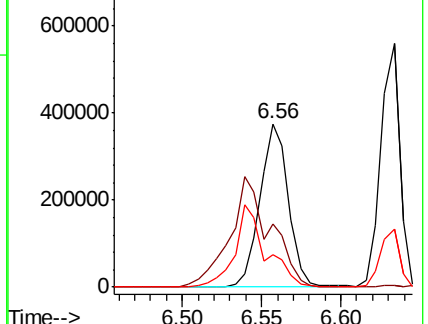
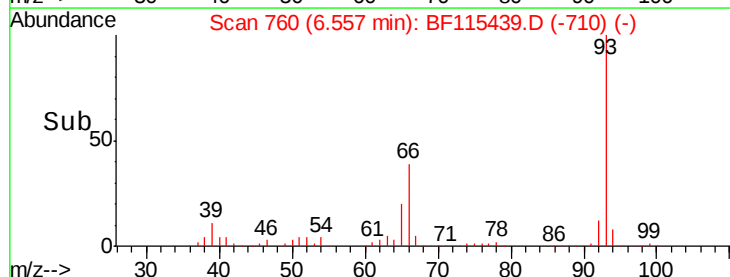
65 19.8 15.8 23.8

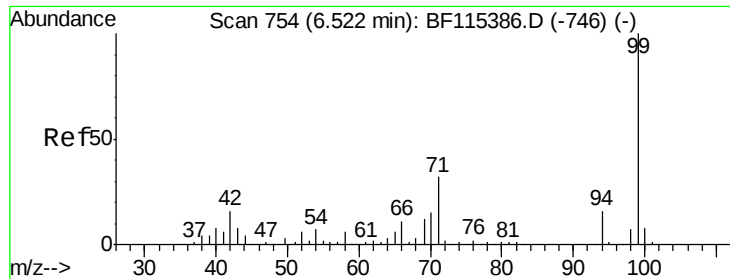


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 122.165 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion: 99 Resp: 1702066

Ion Ratio Lower Upper

99 100

42 16.1 12.7 19.1

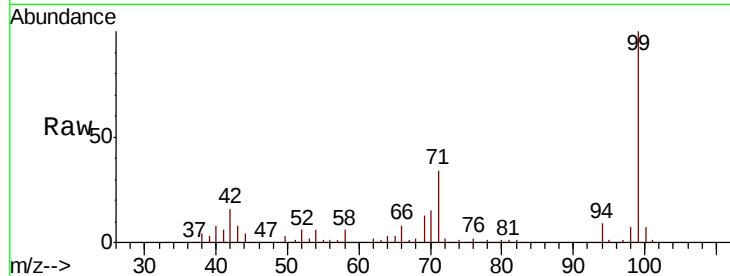
71 34.0 26.2 39.2

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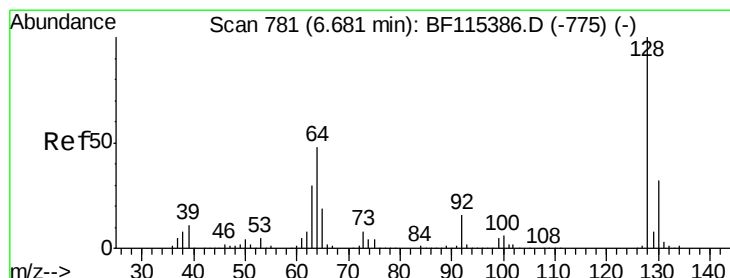
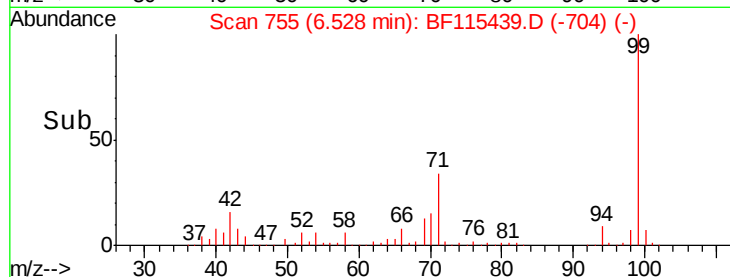
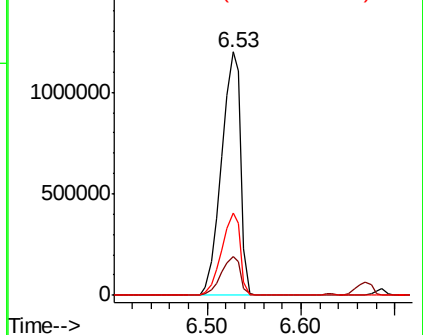
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.099 ng

RT: 6.69 min Scan# 782

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

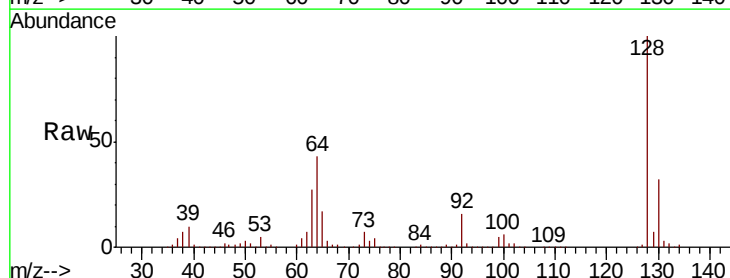
Tgt Ion: 128 Resp: 483651

Ion Ratio Lower Upper

128 100

130 32.4 13.5 53.5

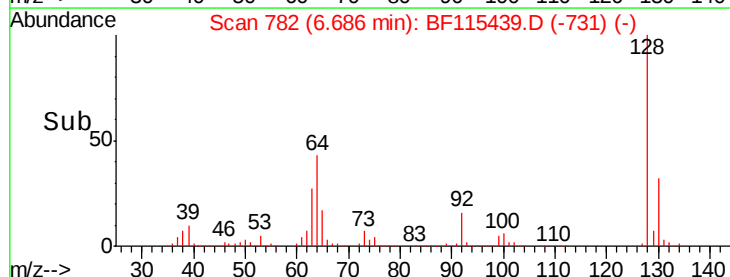
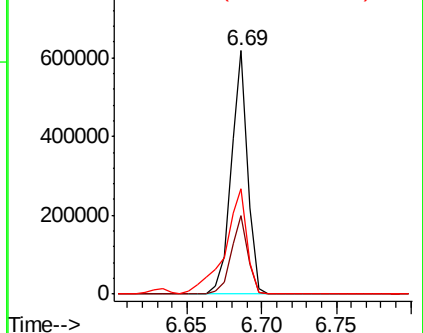
64 43.4 23.2 63.2

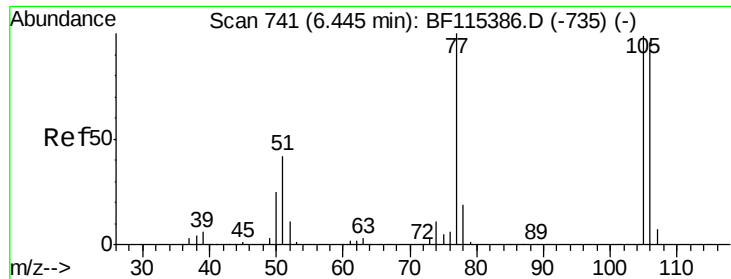


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 31.791 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion: 77 Resp: 265992

Ion Ratio Lower Upper

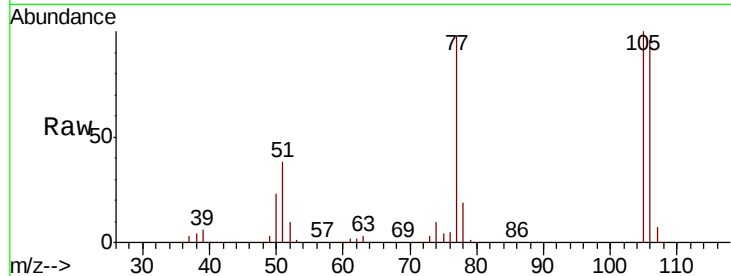
77 100

105 101.7 77.5 117.5

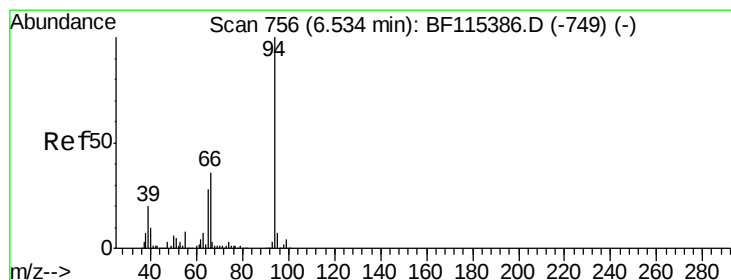
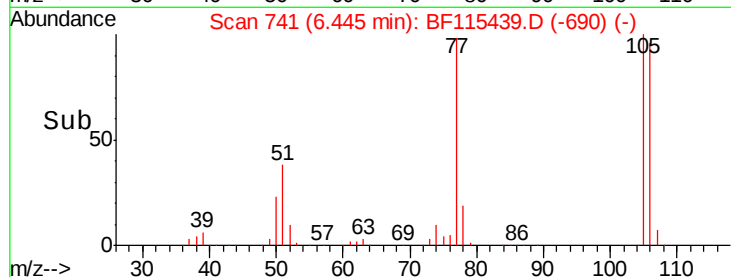
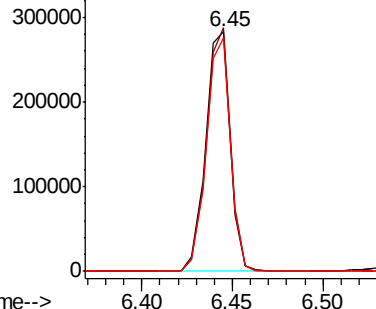
106 97.4 75.6 115.6

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Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 37.780 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

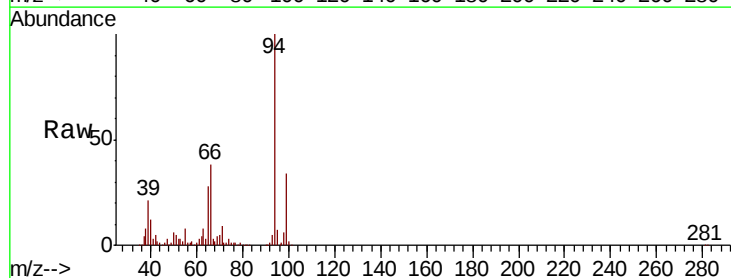
Tgt Ion: 94 Resp: 629789

Ion Ratio Lower Upper

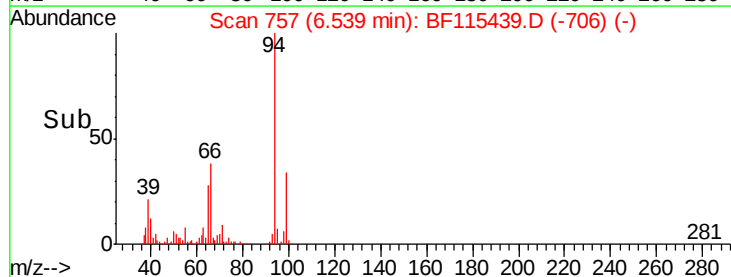
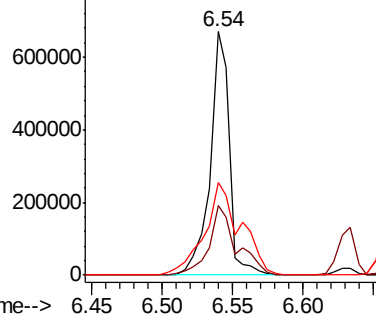
94 100

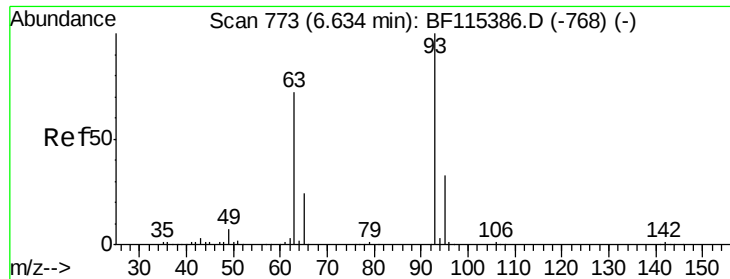
65 28.4 7.7 47.7

66 37.8 16.7 56.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





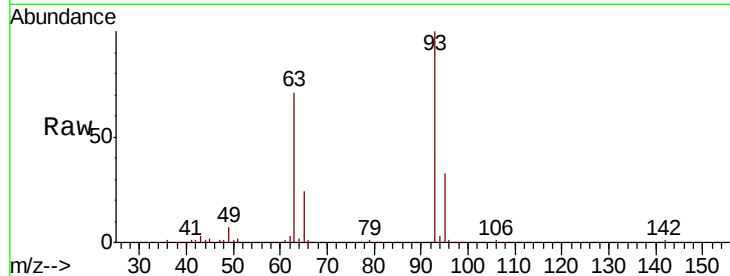
#11
bis(2-Chloroethyl)ether
Concen: 37.483 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	463538		
63	71.4	52.4	92.4	
95	32.8	12.1	52.1	

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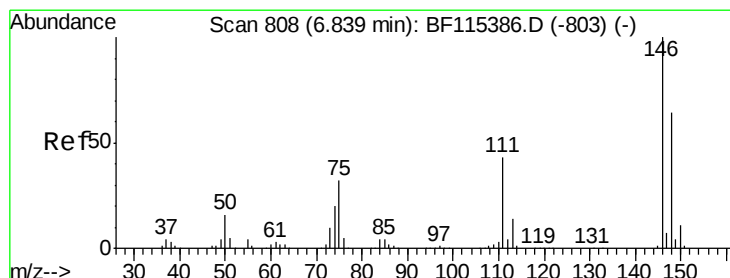
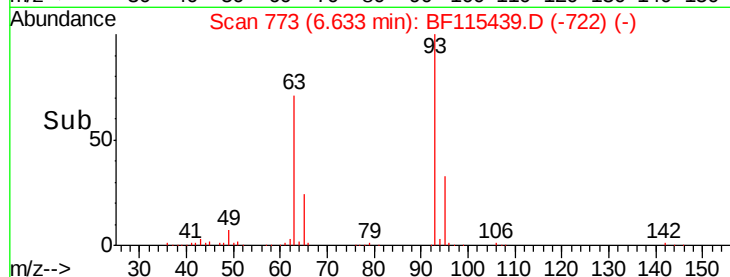
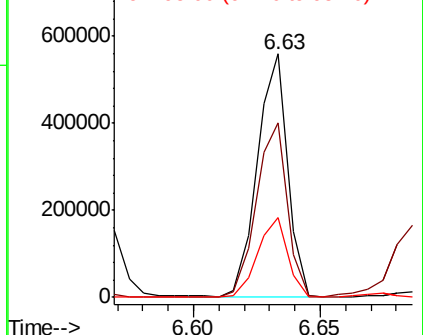


Abundance

Ion 93.00 (92.70 to 93.70): BF1

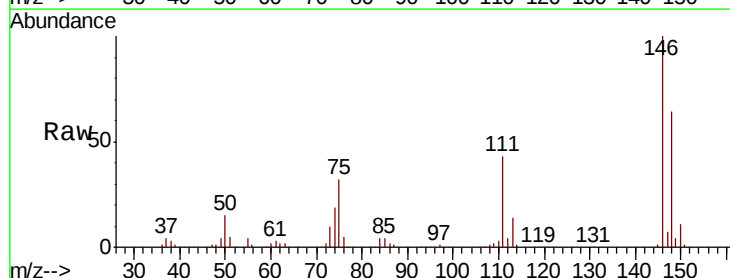
Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12
1,3-Dichlorobenzene
Concen: 36.957 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	500852		
148	64.5	51.4	77.0	
75	32.1	26.2	39.2	

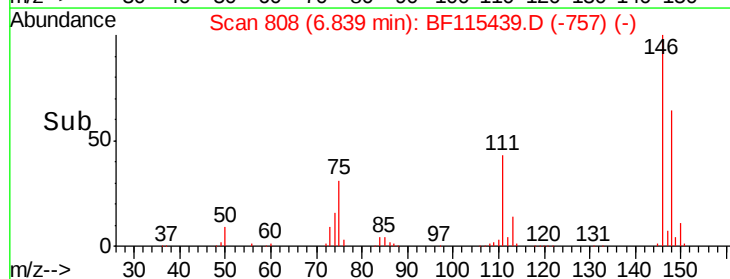
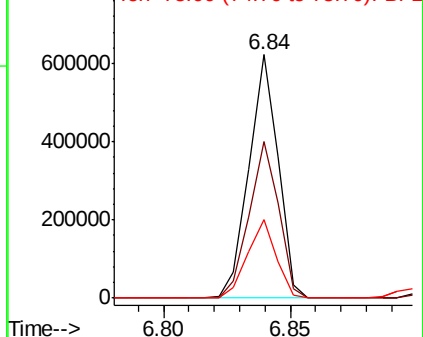


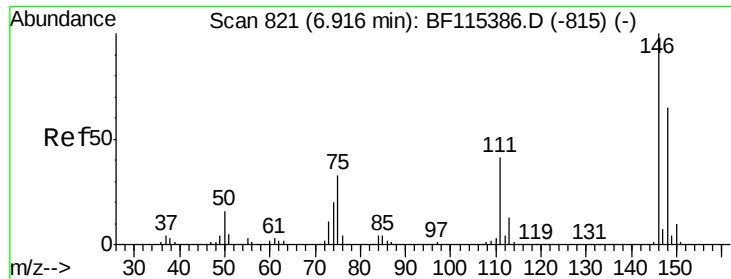
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





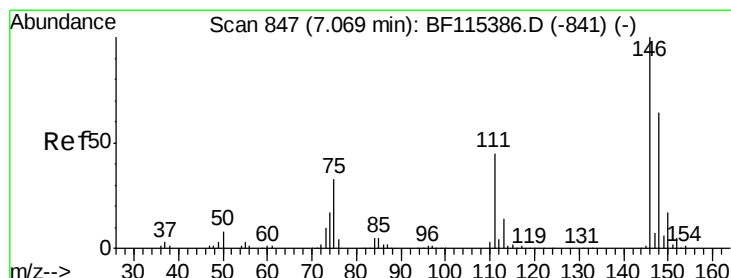
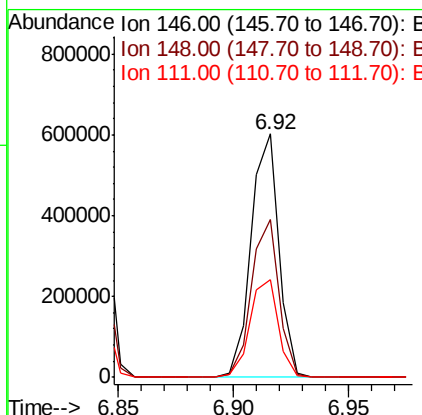
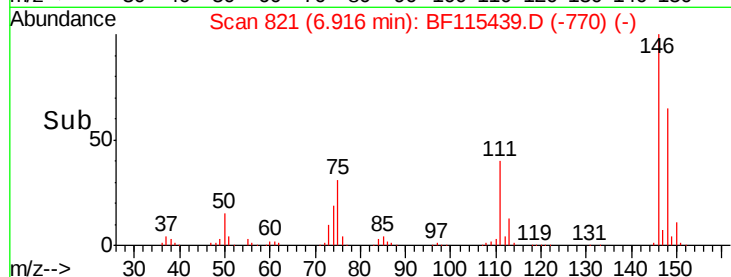
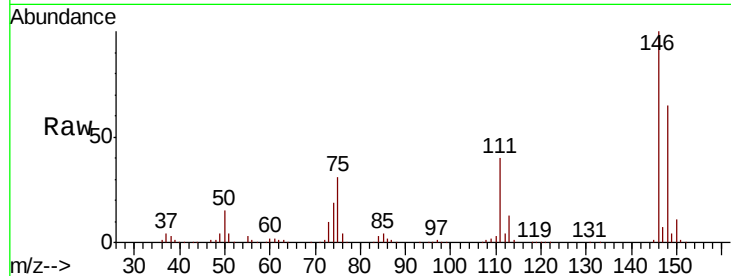
#13
 1,4-Dichlorobenzene
 Concen: 37.371 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.5	78.7
111	40.3	34.0	51.0

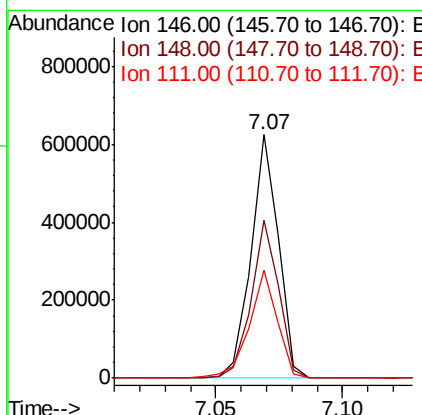
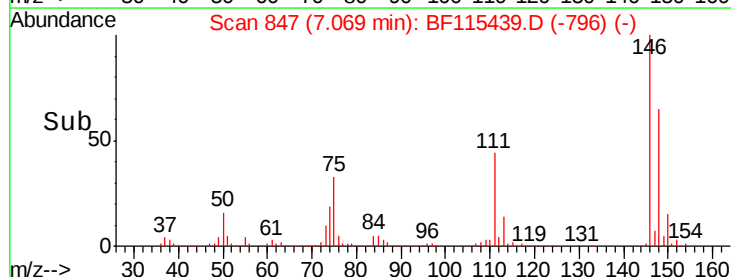
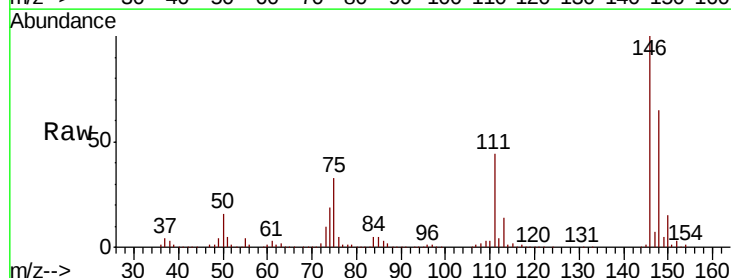
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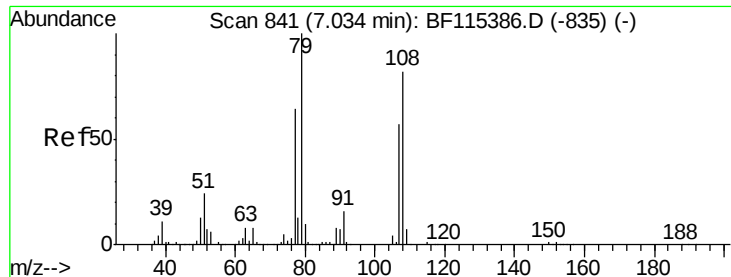
mohammad
 7/10/2019 6:16:53 PM



#14
 1,2-Dichlorobenzene
 Concen: 37.373 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.6	76.0
111	44.4	36.1	54.1





#15

Benzyl Alcohol

Concen: 39.143 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

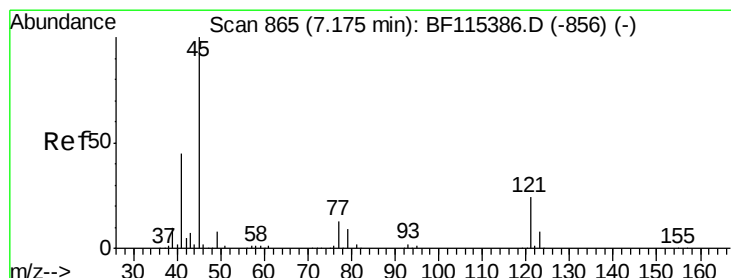
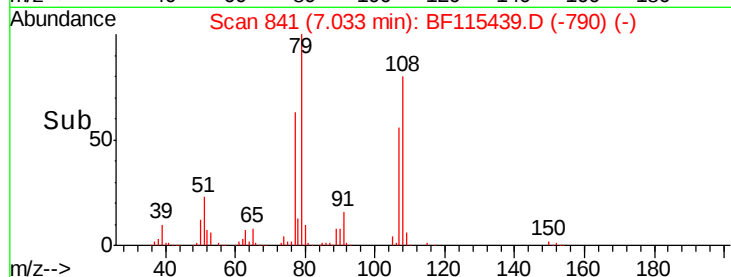
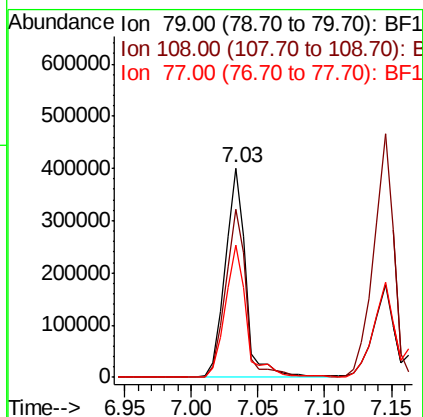
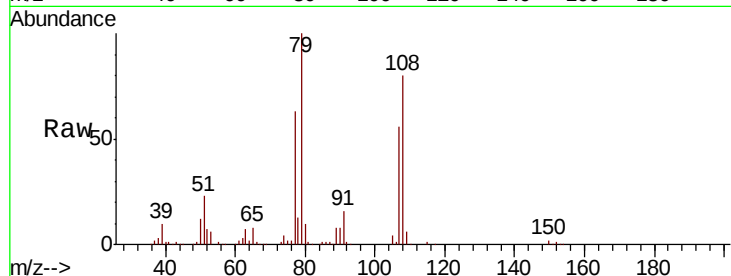
ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion:	79	Resp:	437628
Ion Ratio	Lower	Upper	
79	100		
108	80.2	63.4	95.2
77	63.3	50.6	75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 36.143 ng

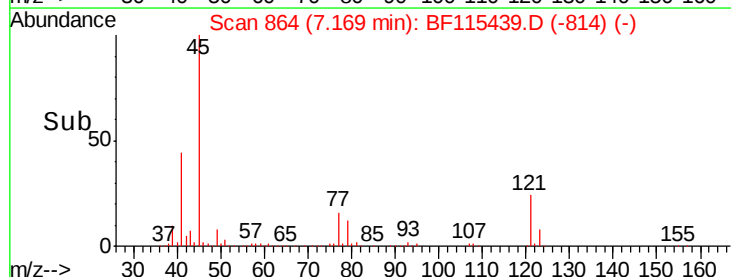
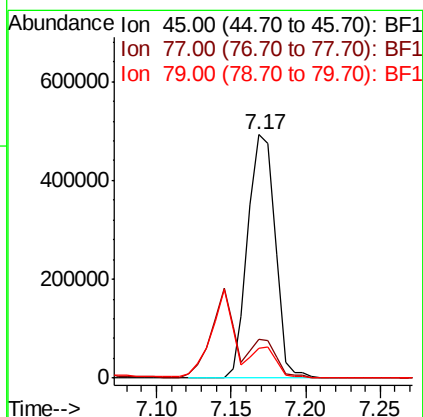
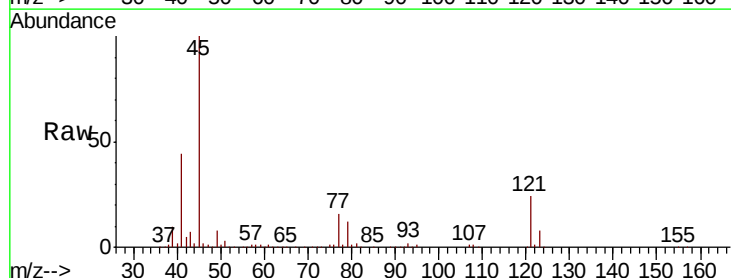
RT: 7.17 min Scan# 864

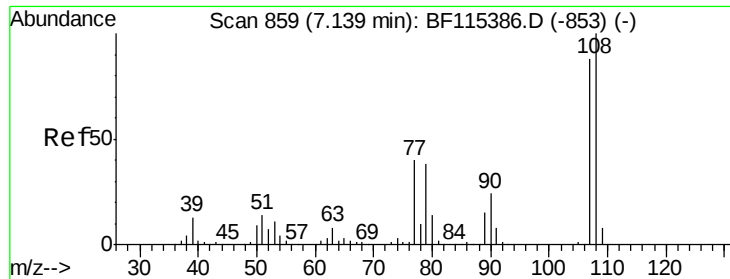
Delta R.T. -0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Tgt Ion:	45	Resp:	624968
Ion Ratio	Lower	Upper	
45	100		
77	15.9	0.0	36.1
79	12.2	0.0	33.0





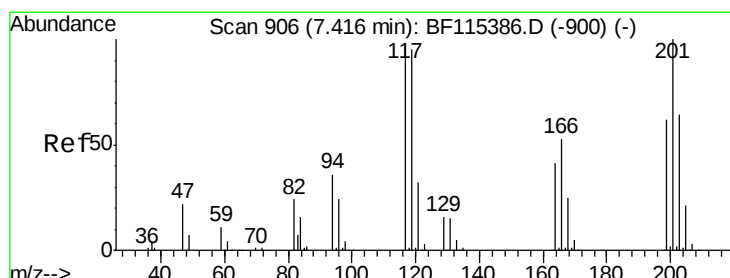
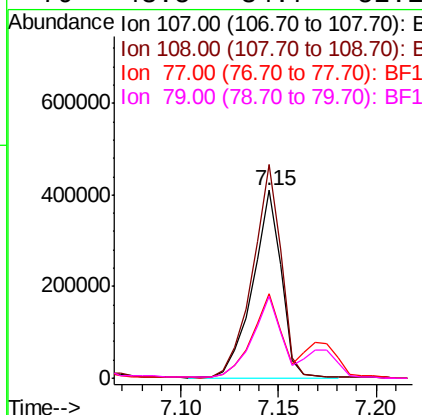
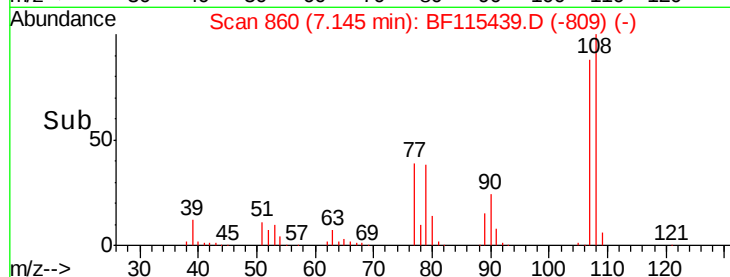
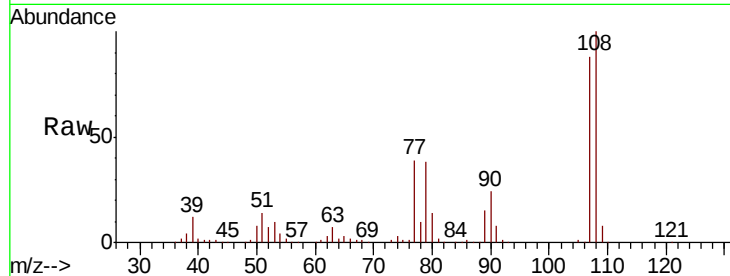
#17
2-Methylphenol
Concen: 38.906 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampled :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.3	135.5
77	44.7	35.4	53.2
79	43.5	34.7	52.1

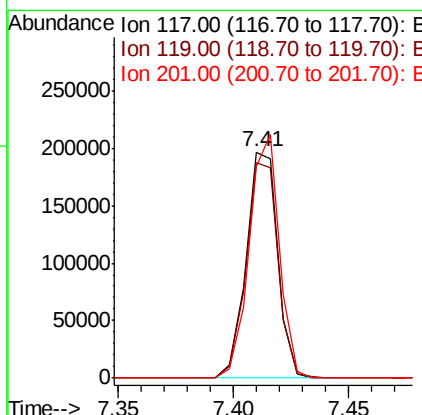
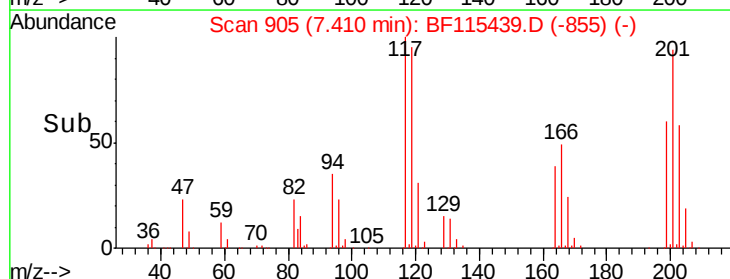
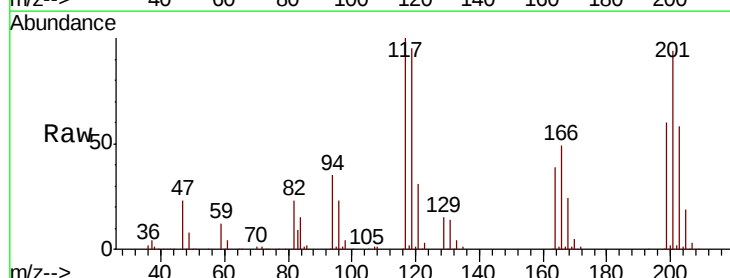
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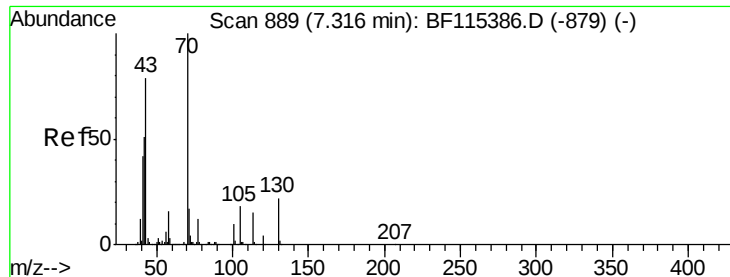
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#18
Hexachloroethane
Concen: 37.211 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.9	116.9
201	93.7	84.5	126.7





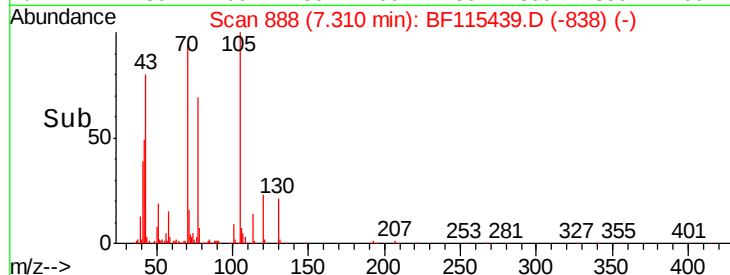
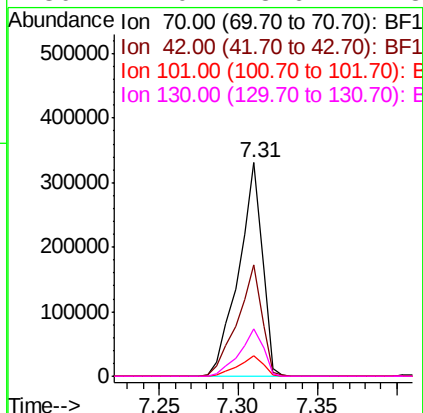
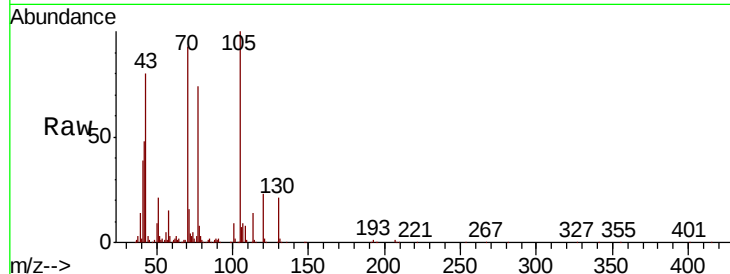
#19
n-Nitroso-di-n-propylamine
Concen: 36.483 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	51.9	39.4	59.2	
101	9.6	8.0	12.0	
130	22.0	18.6	27.8	

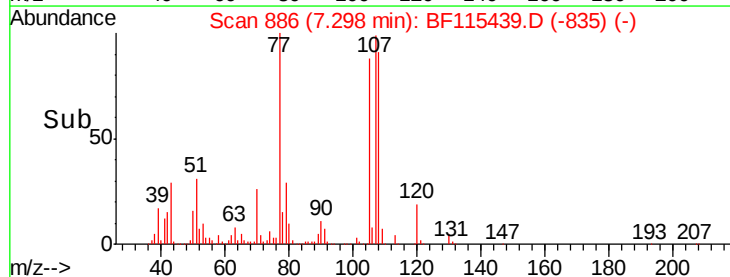
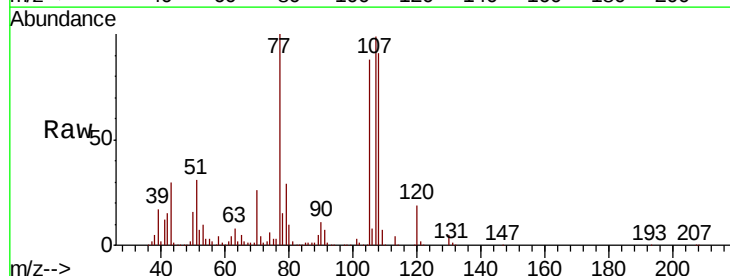
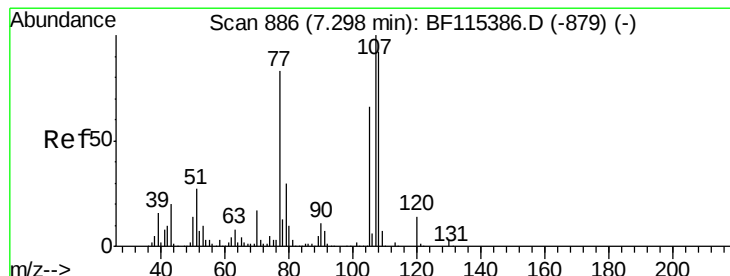
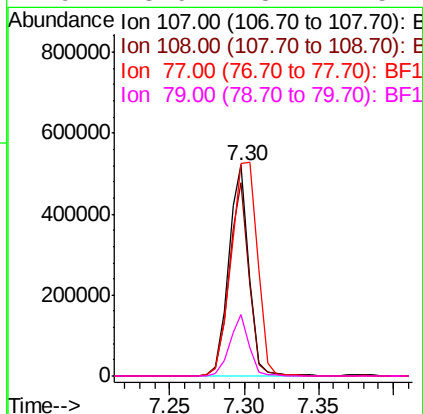
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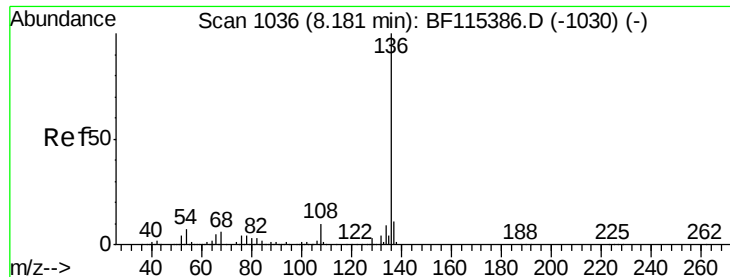
mohammad
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#20
3+4-Methylphenols
Concen: 39.654 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.5	69.4	109.4	
77	100.7	59.8	99.8	
79	28.9	8.4	48.4	





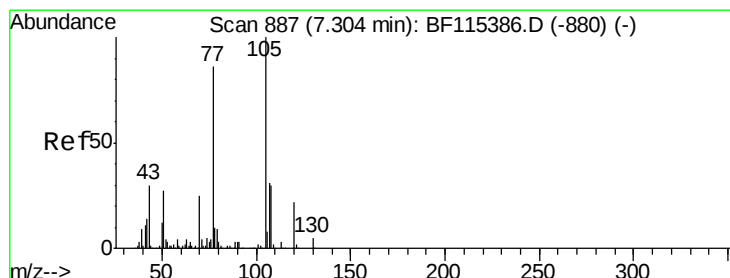
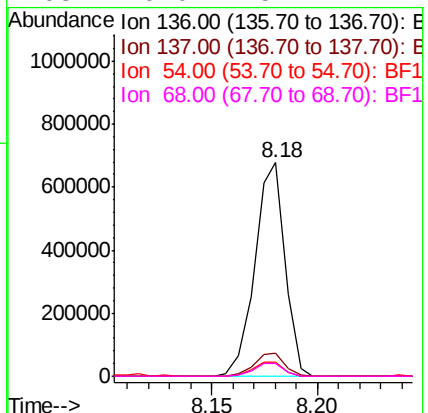
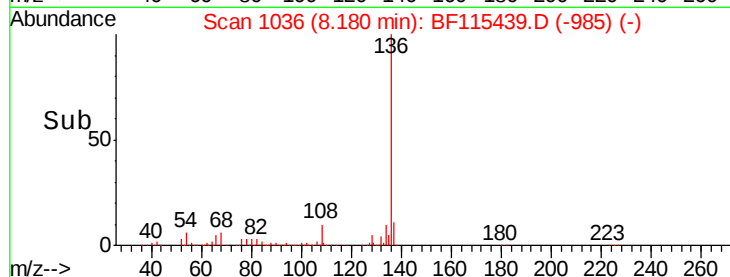
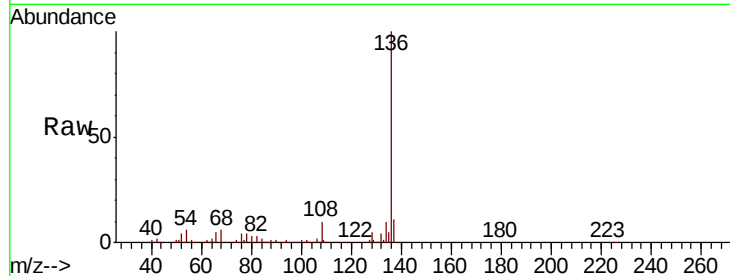
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	673791		
137	10.7		8.9	13.3
54	6.5		5.5	8.3
68	6.0		5.1	7.7

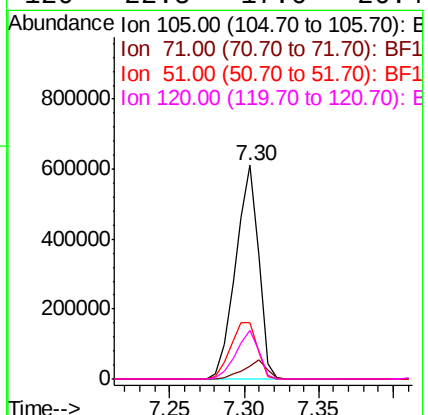
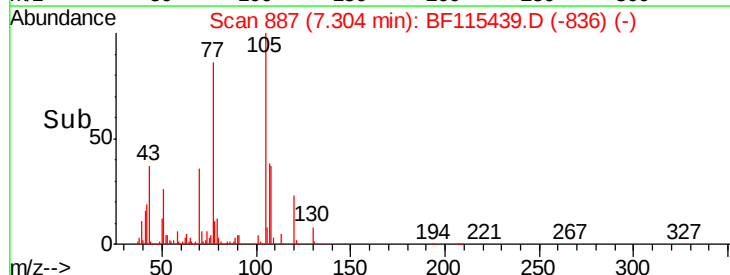
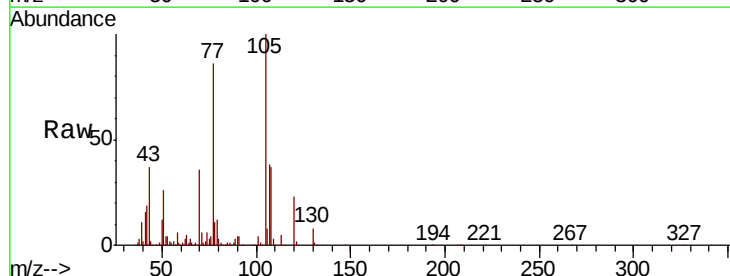
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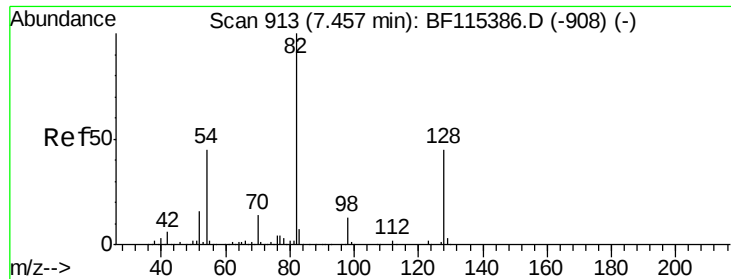
mohammad
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#22
Acetophenone
Concen: 40.957 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	661261		
71	6.3		3.7	5.5#
51	26.2		23.1	34.7
120	22.5		17.6	26.4





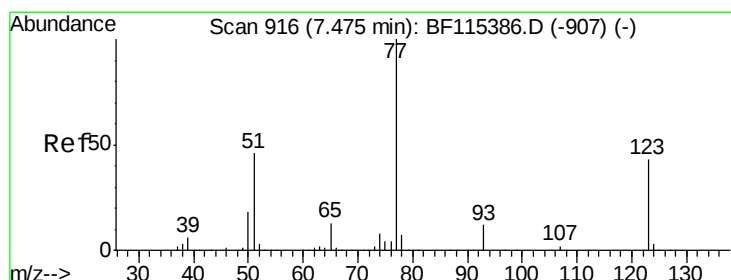
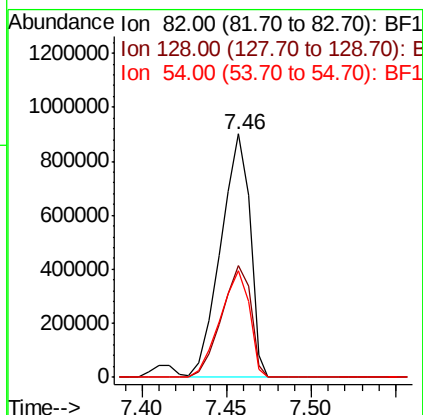
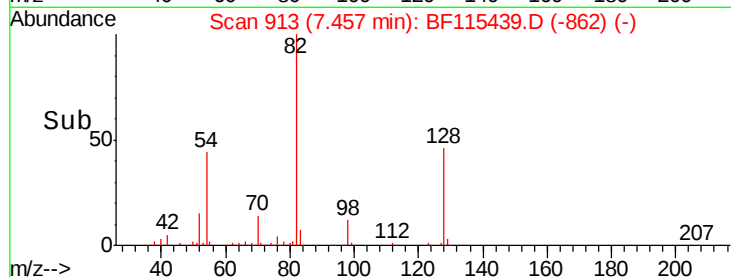
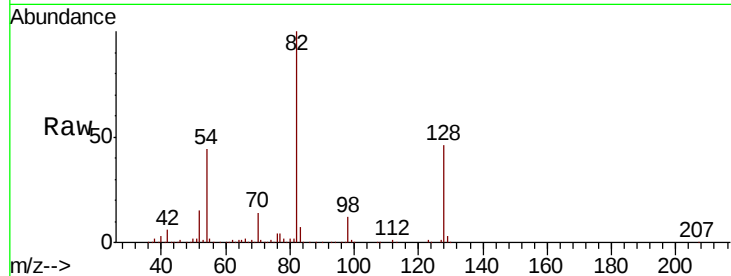
#23
Nitrobenzene-d5
Concen: 94.719 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.4
54	43.8	35.4	53.0

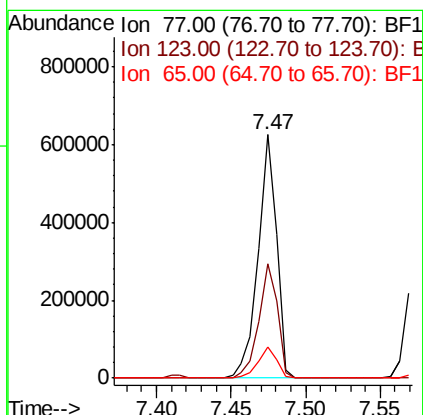
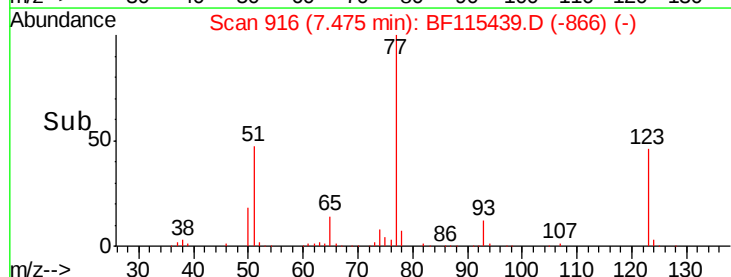
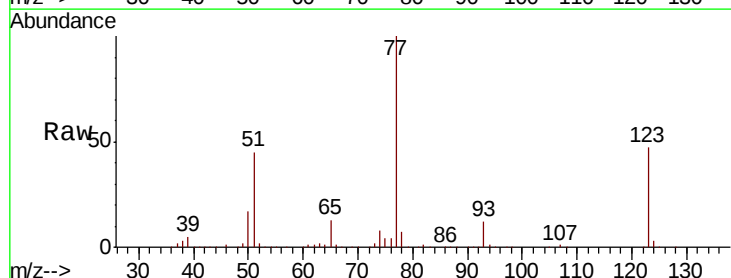
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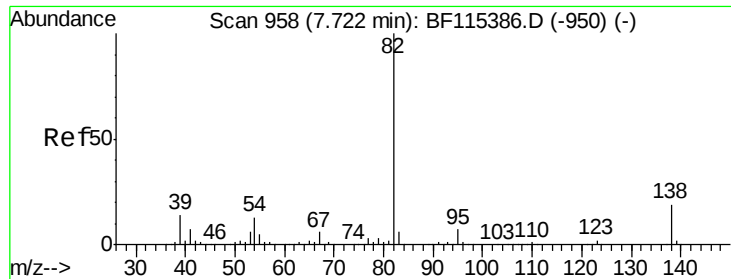
mohammad
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#24
Nitrobenzene
Concen: 41.140 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.8	39.4	59.0
65	12.9	10.6	15.8





#25

Isophorone

Concen: 39.634 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

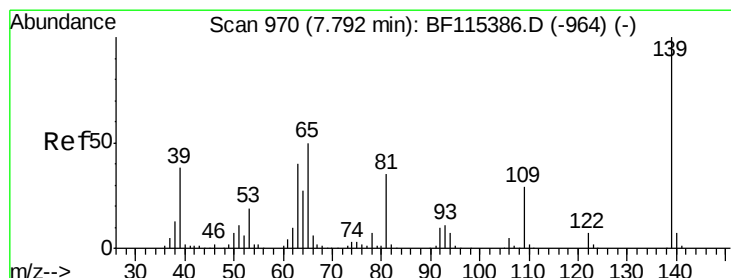
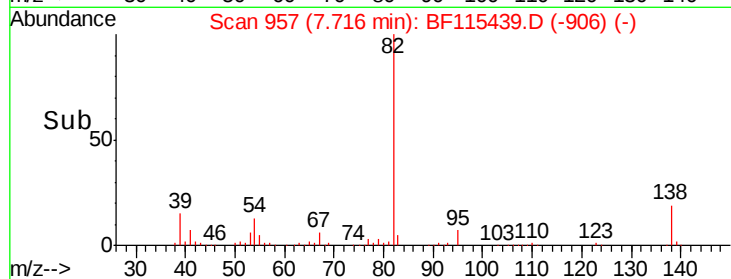
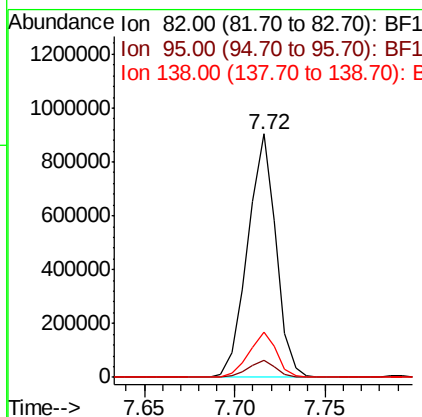
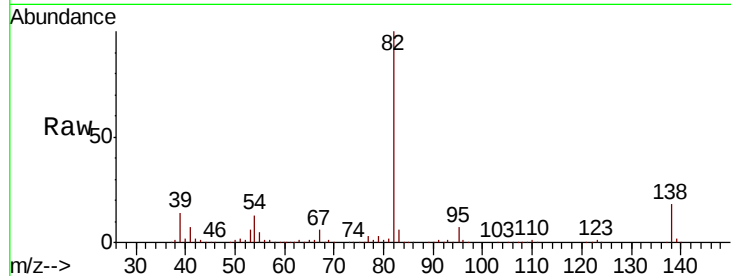
ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion:	82	Resp:	979698
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.2	7.8
138	18.4	14.2	21.2

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#26

2-Nitrophenol

Concen: 50.933 ng

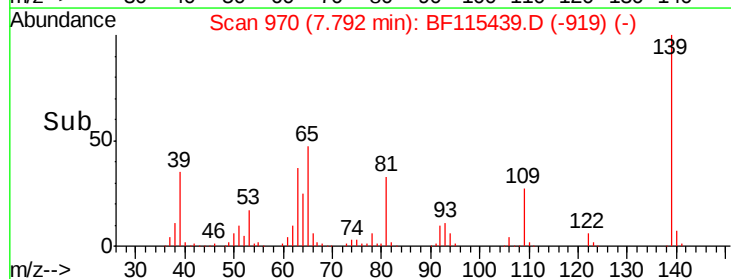
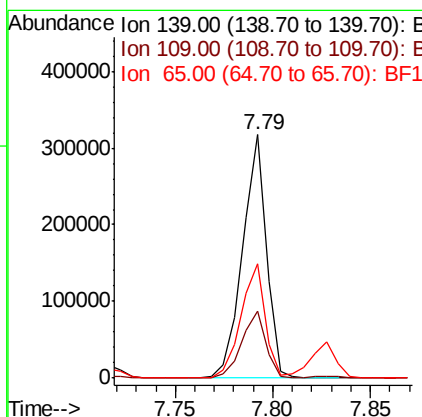
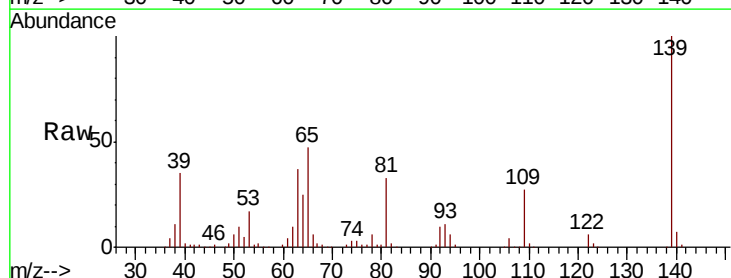
RT: 7.79 min Scan# 970

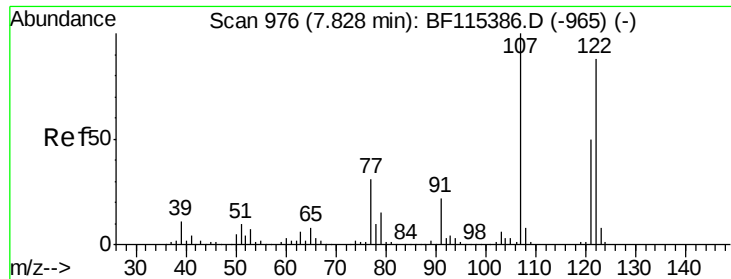
Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Tgt Ion:	139	Resp:	269688
Ion Ratio		Lower	Upper
139	100		
109	27.5	22.2	33.4
65	46.9	38.2	57.4





#27

2,4-Dimethylphenol

Concen: 45.881 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

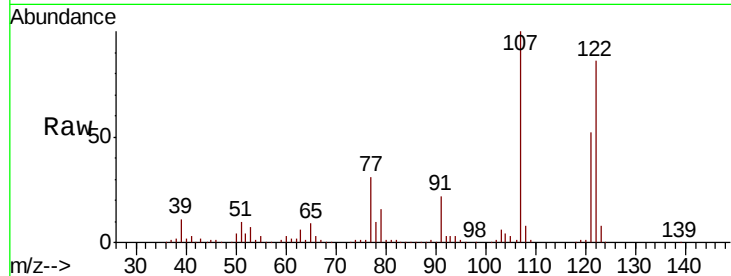
ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.6	92.6	138.8
121	59.6	47.2	70.8

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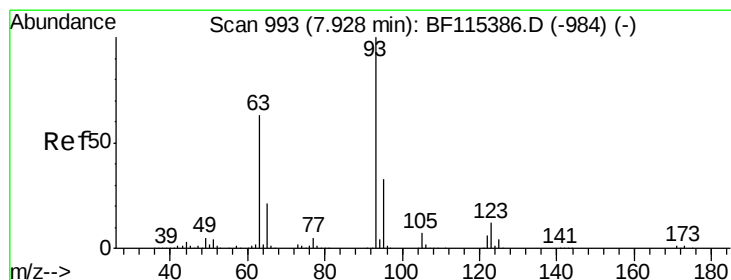
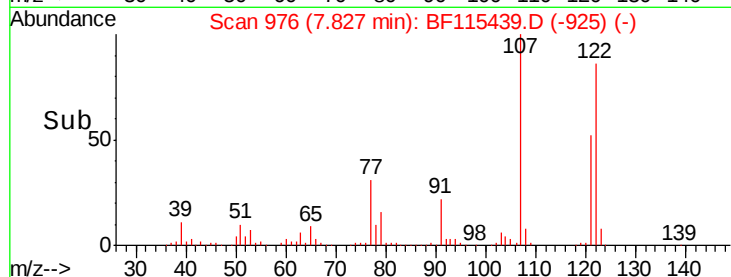
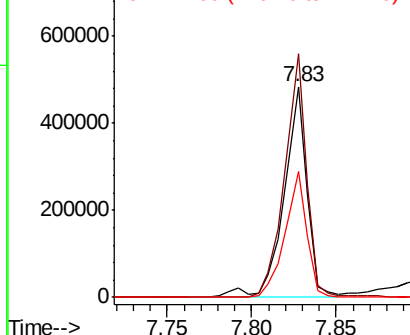


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 39.457 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

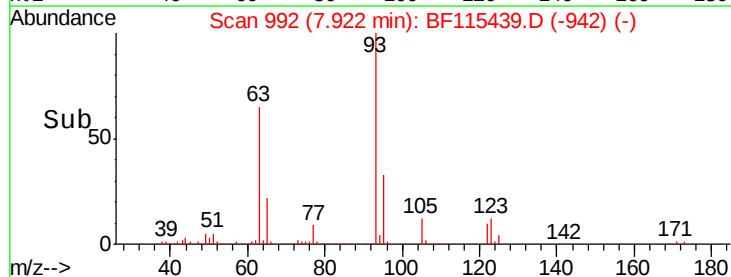
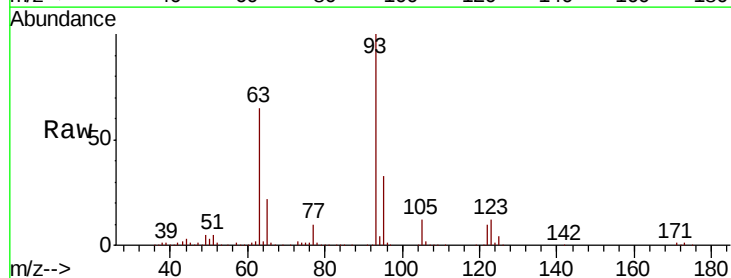
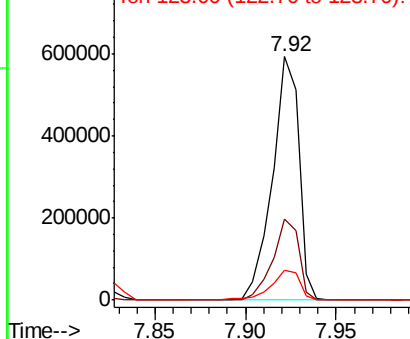
Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.4	39.6
123	12.3	9.7	14.5

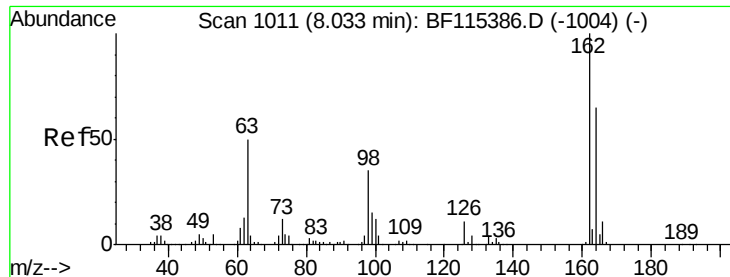
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





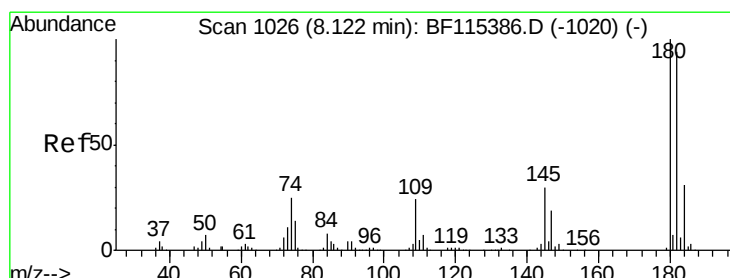
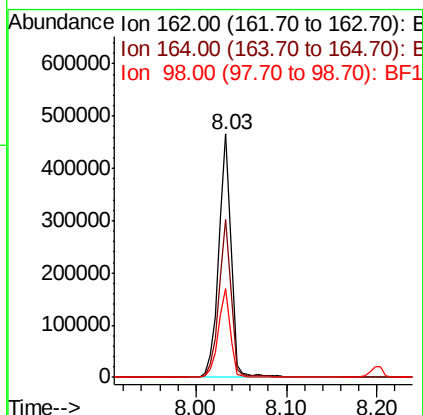
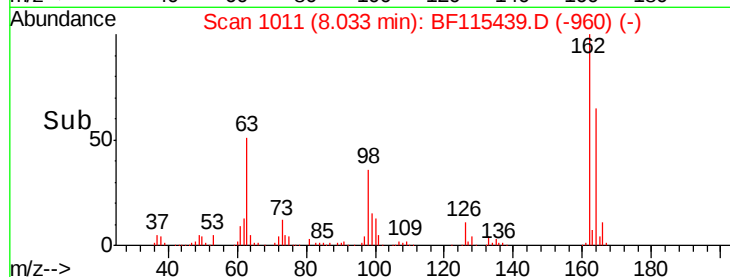
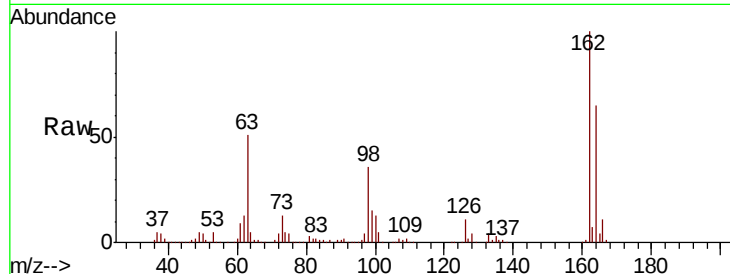
#29
2,4-Dichlorophenol
Concen: 42.972 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	45.5	85.5
98	36.4	17.1	57.1

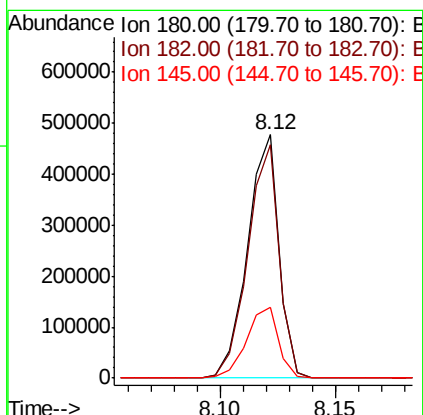
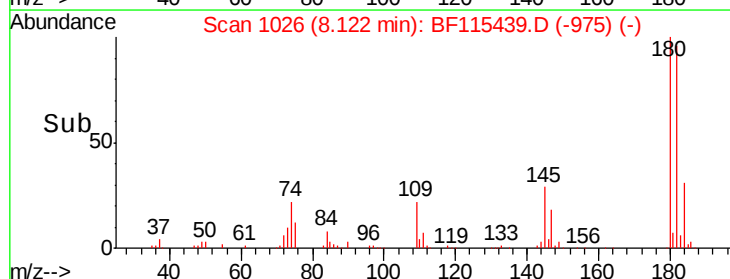
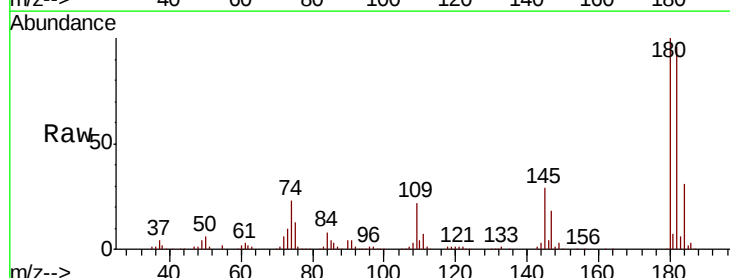
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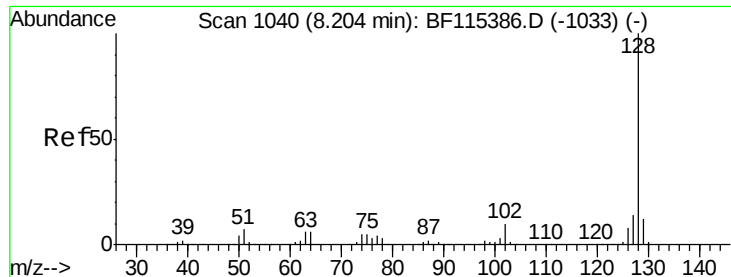
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 40.571 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.2	112.8
145	29.2	23.9	35.9





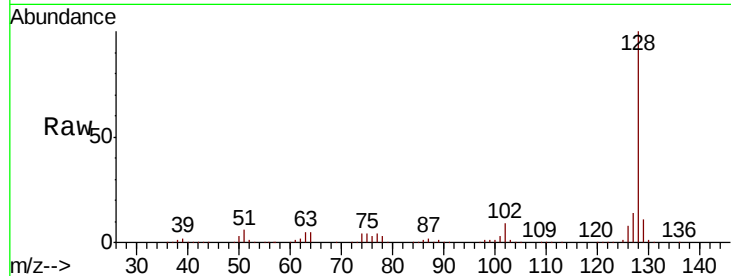
#31
Naphthalene
Concen: 41.549 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.4	14.0
127	13.7	11.2	16.8

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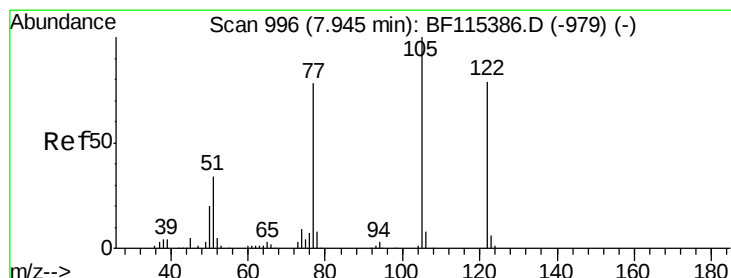
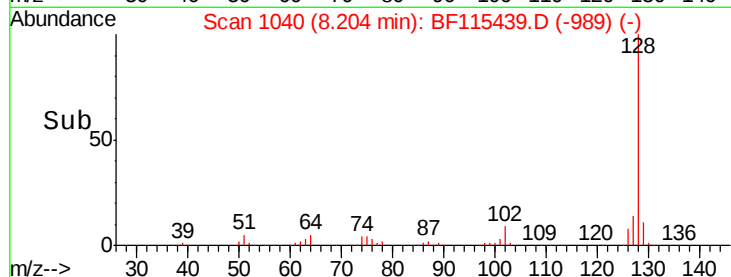
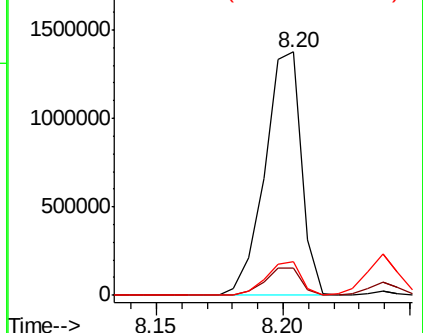


Abundance

Ion 128.00 (127.70 to 128.70): E

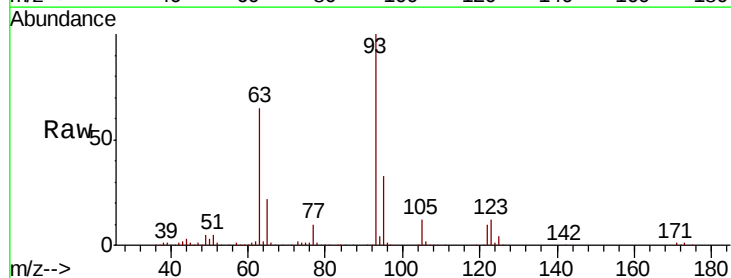
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 20.808 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.1	102.5	142.5
77	92.7	72.3	112.3

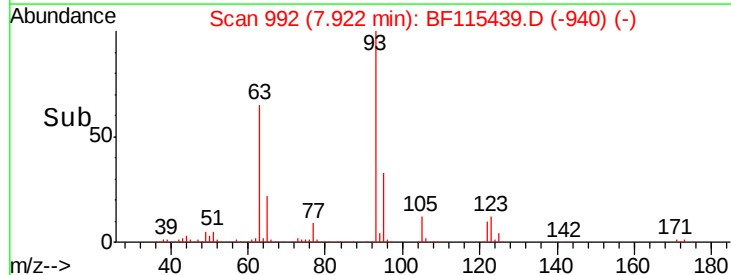
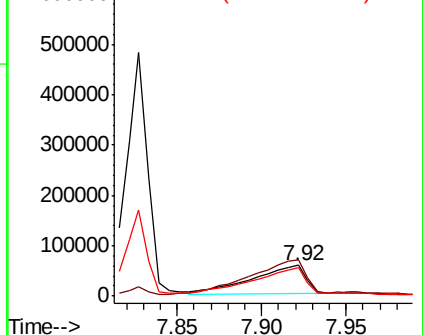


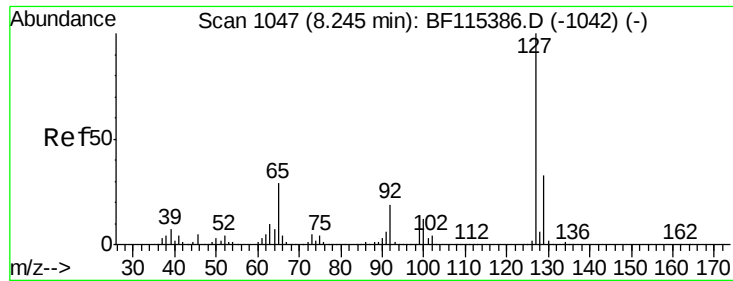
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





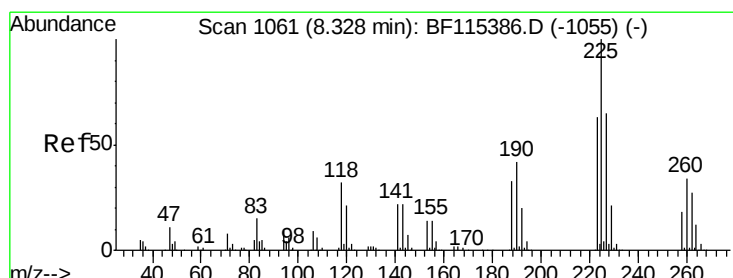
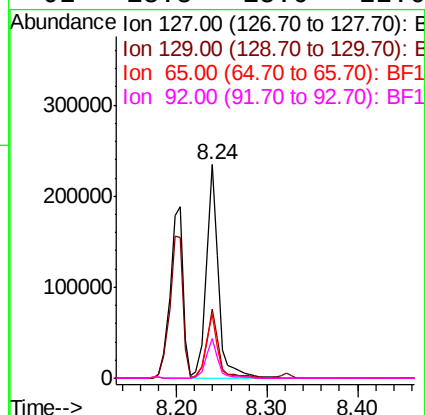
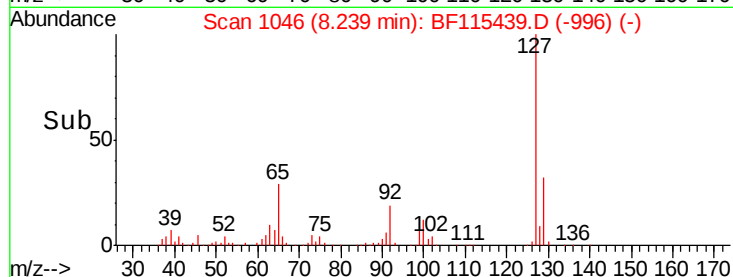
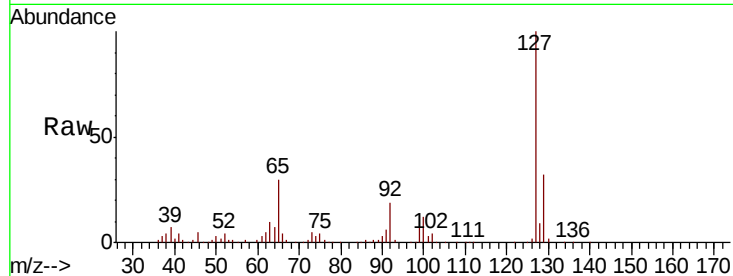
#33
4-Chloroaniline
Concen: 15.052 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		224756		
129	32.2	26.2	39.4		
65	29.8	23.0	34.4		
92	18.5	15.0	22.6		

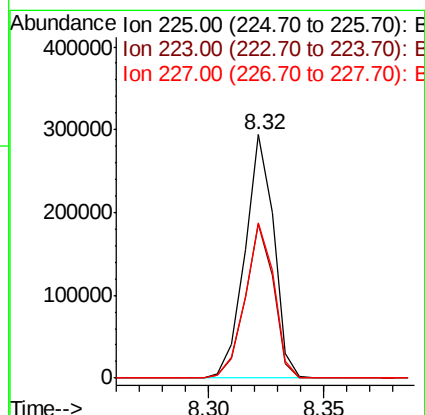
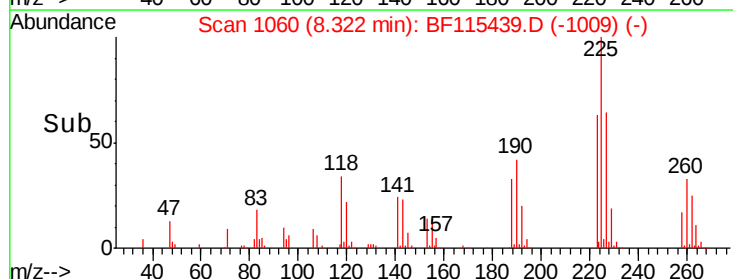
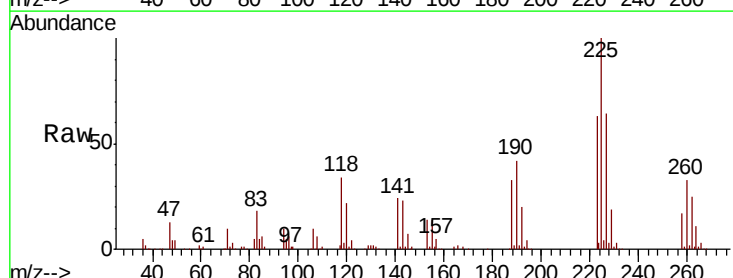
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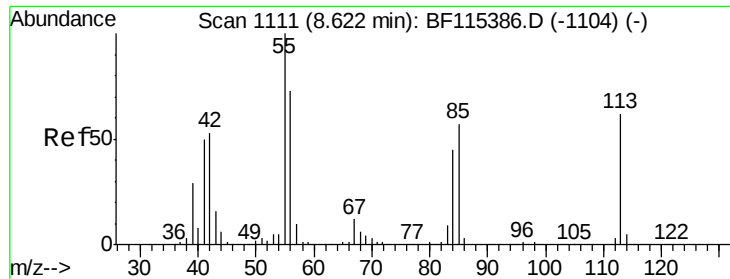
mohammad
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#34
Hexachlorobutadiene
Concen: 40.289 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		255796		
223	63.0	51.4	77.0		
227	63.6	49.6	74.4		





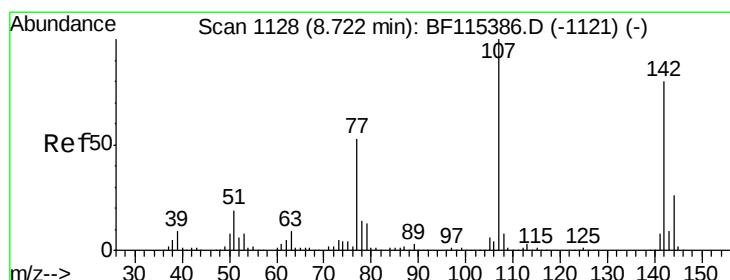
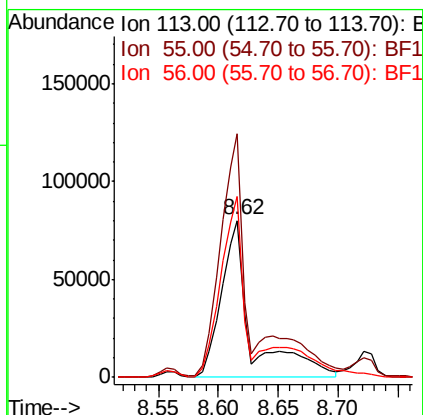
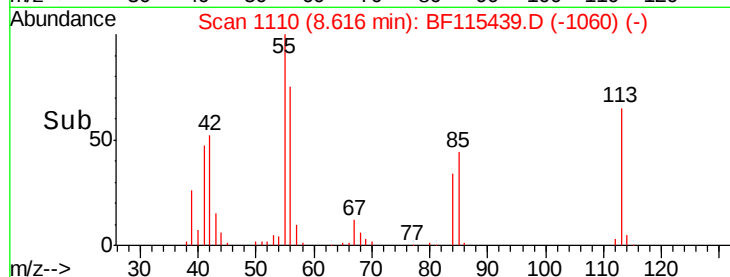
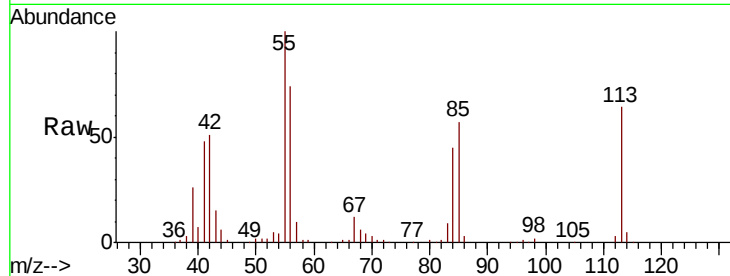
#35
Caprolactam
Concen: 42.639 ng/ml
RT: 8.62 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	155.1	127.9	167.9
56	115.3	89.3	129.3

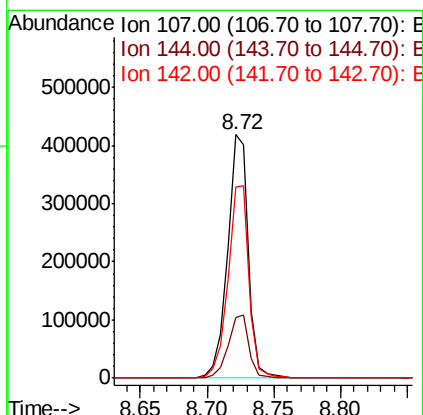
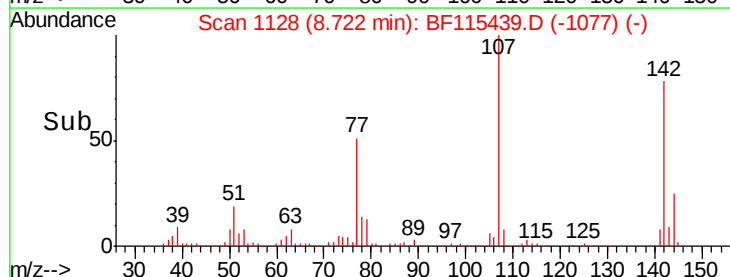
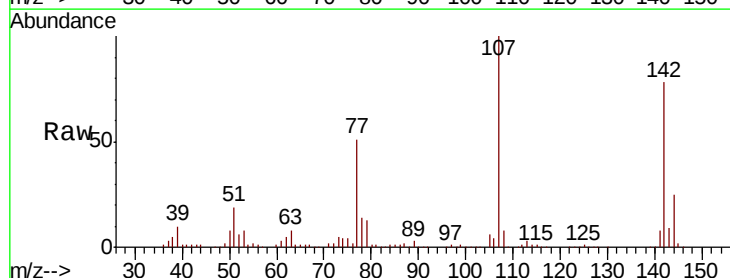
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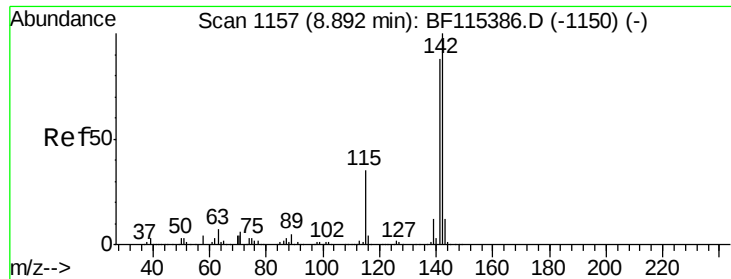
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#36
4-Chloro-3-methylphenol
Concen: 43.229 ng/ml
RT: 8.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.5	30.7
142	78.3	63.9	95.9





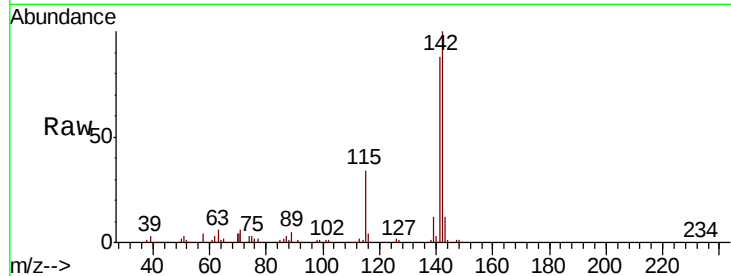
#37
2-Methylnaphthalene
Concen: 42.644 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.8	107.6
115	34.3	27.8	41.6

Manual Integrations
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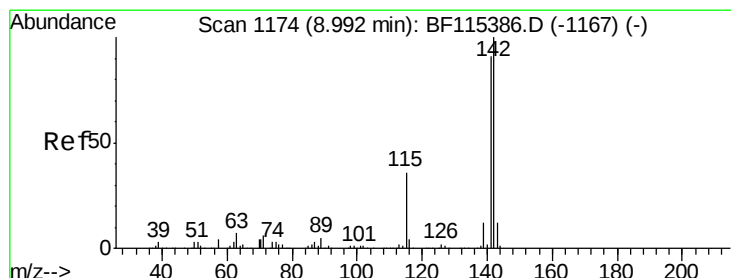
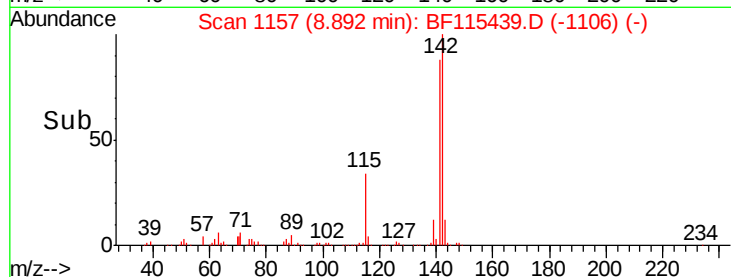
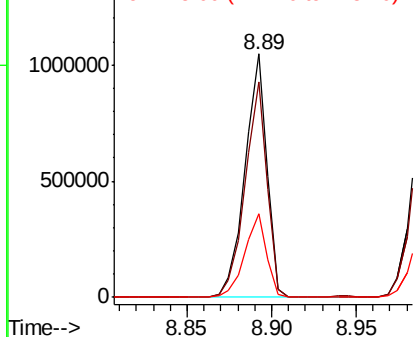


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 41.769 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

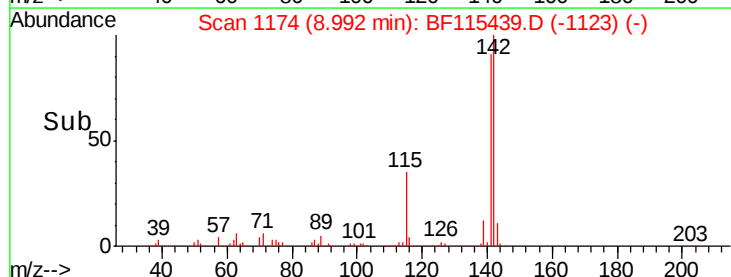
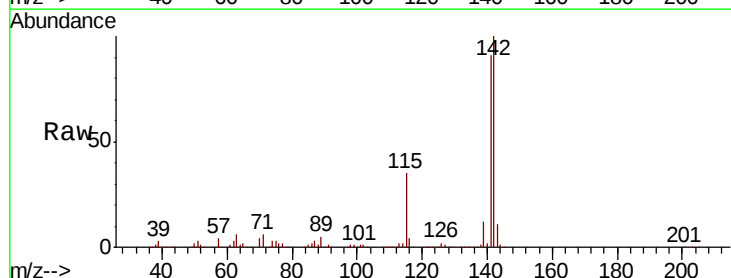
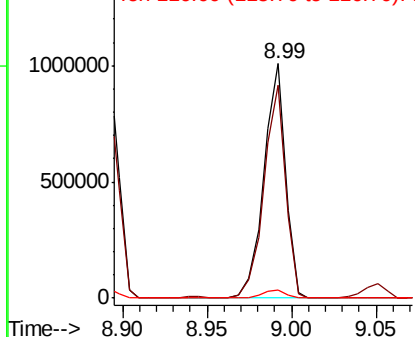
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.9	110.9
116	3.7	3.0	4.4

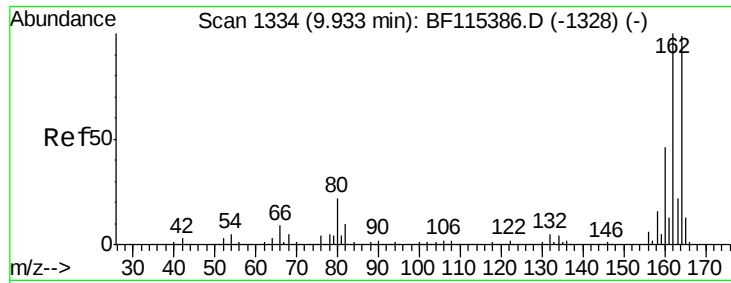
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





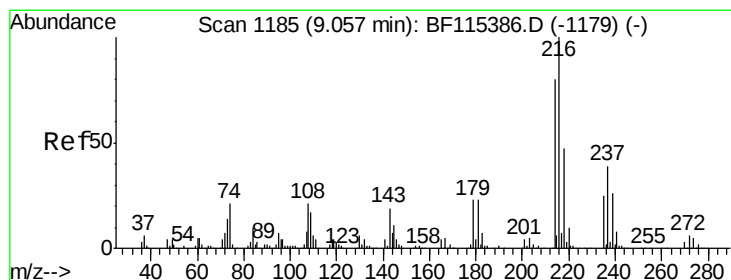
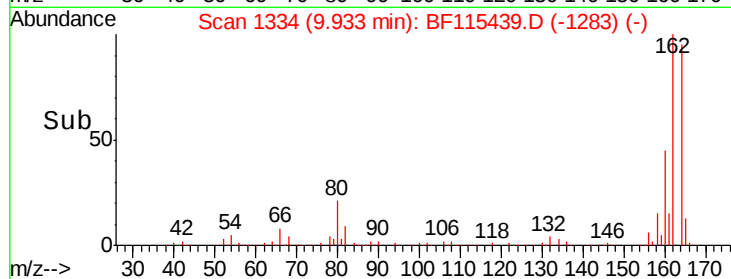
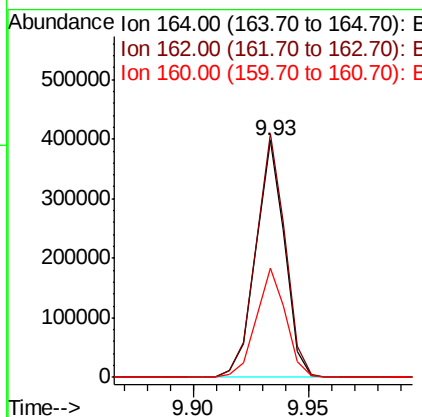
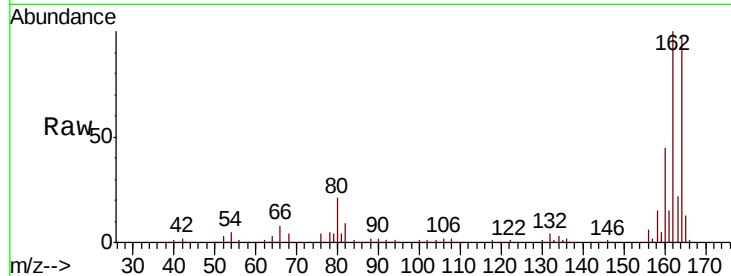
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.5	122.3
160	46.3	36.6	55.0

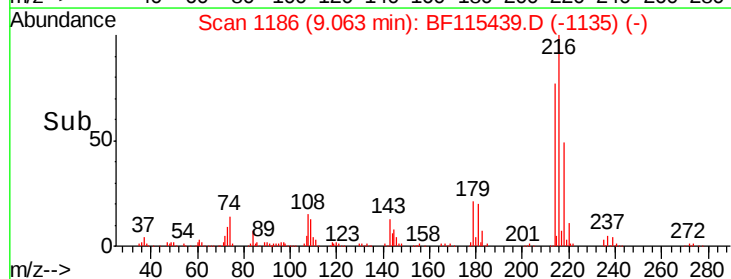
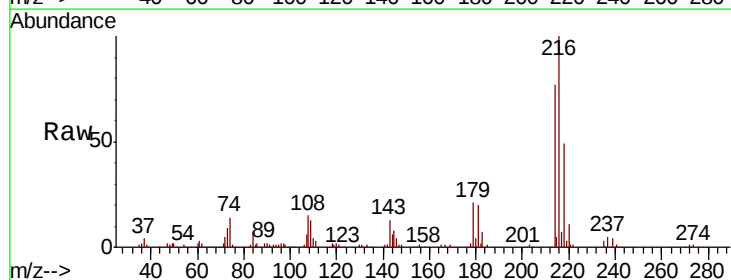
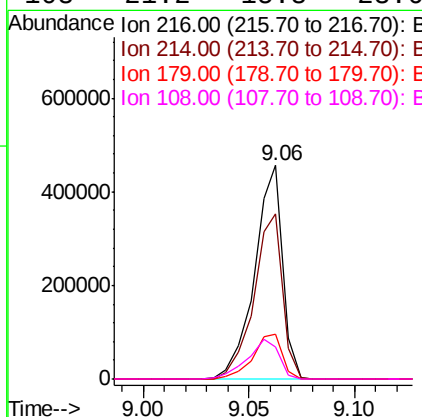
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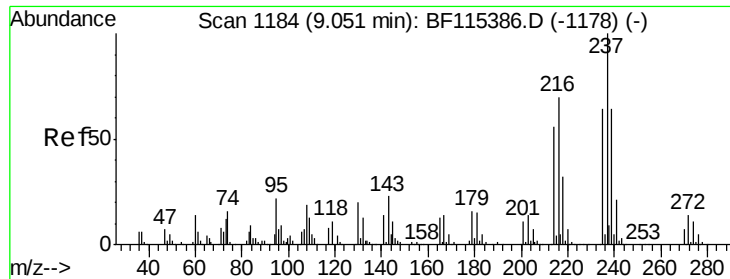
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.212 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.7	95.5
179	21.9	17.4	26.2
108	21.2	15.8	23.6





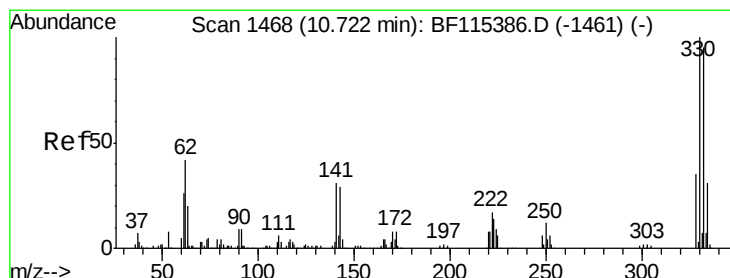
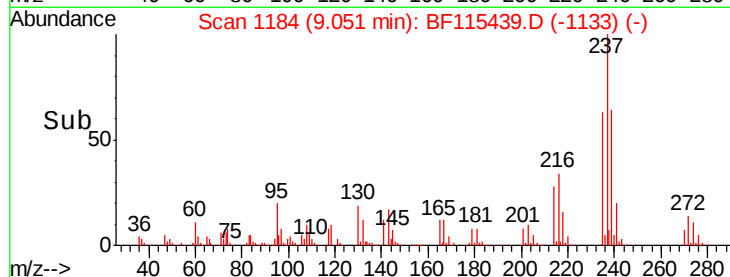
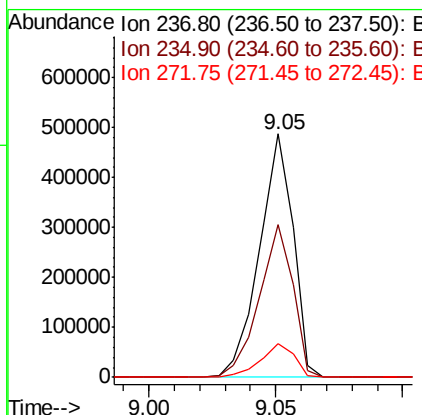
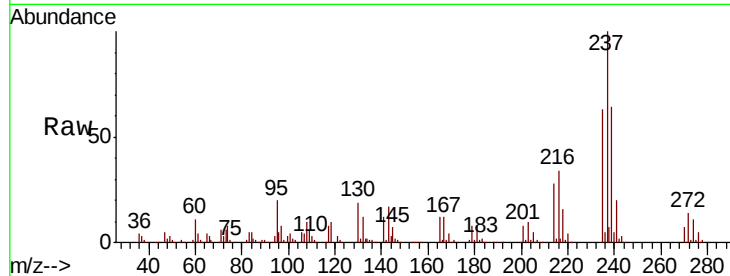
#41
Hexachlorocyclopentadiene
Concen: 78.719 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.9	42.3	82.3	
272	13.6	0.0	34.2	

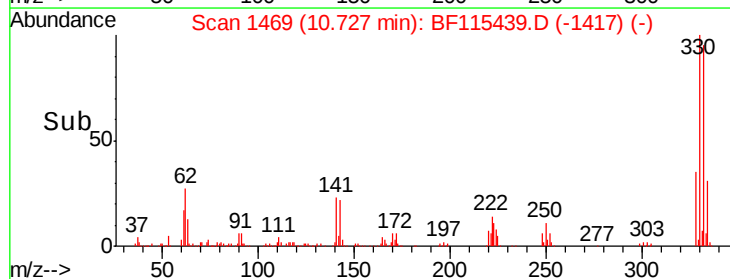
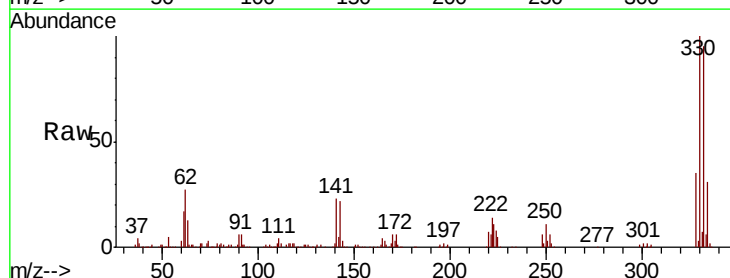
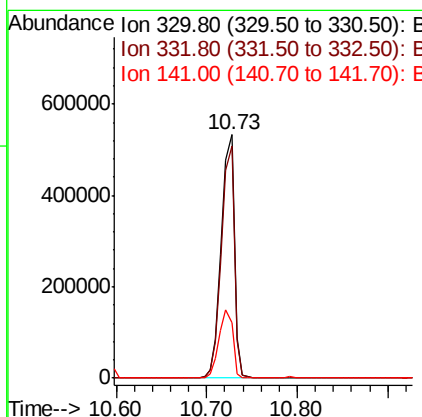
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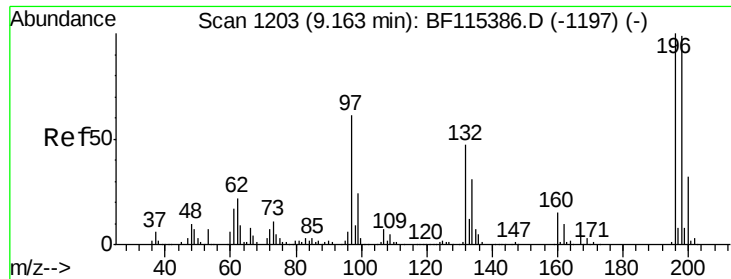
mohammad
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#42
2,4,6-Tribromophenol
Concen: 137.736 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	76.6	115.0	
141	29.9	25.1	37.7	





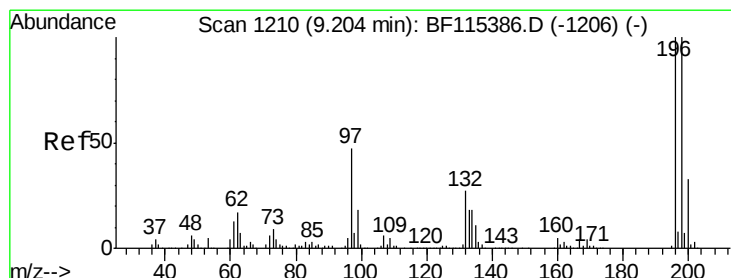
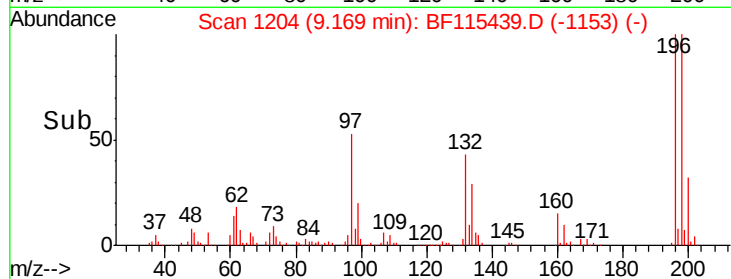
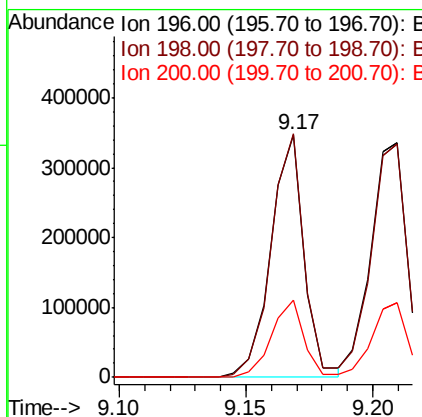
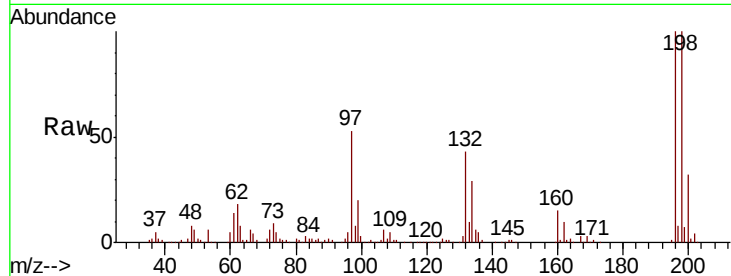
#43
 2,4,6-Trichlorophenol
 Concen: 43.860 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	318549		
198	100.2	80.7	121.1	
200	31.6	26.2	39.2	

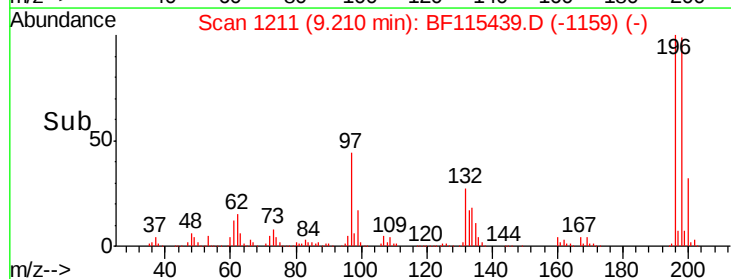
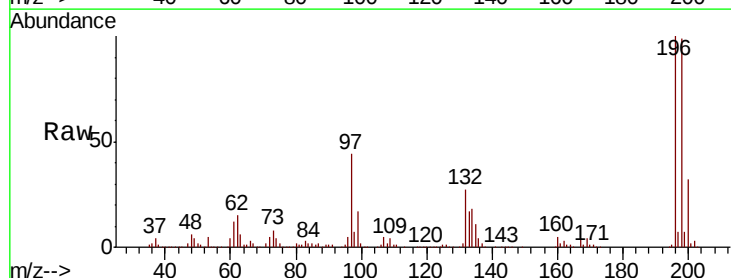
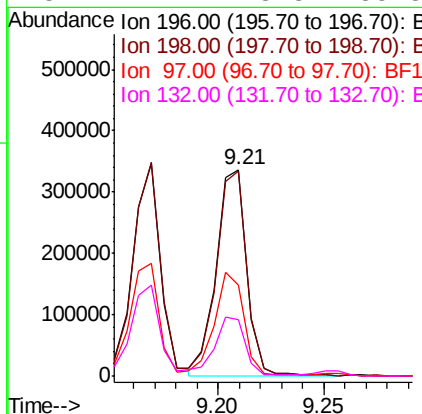
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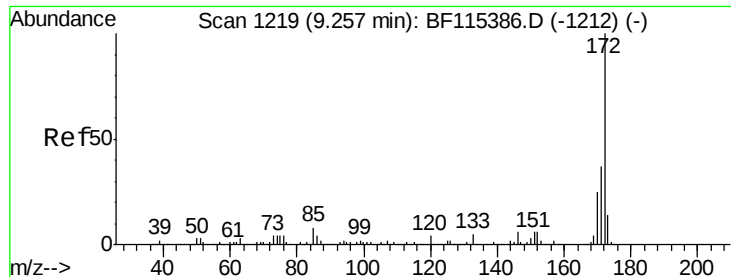
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#44
 2,4,5-Trichlorophenol
 Concen: 44.538 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	335419		
198	99.5	78.6	118.0	
97	43.8	41.4	62.2	
132	27.4	23.8	35.8	





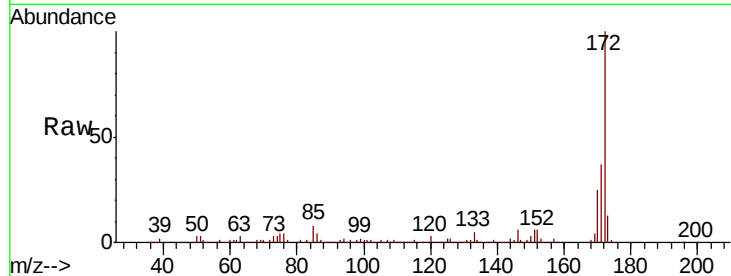
#45
2-Fluorobiphenyl
Concen: 91.906 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.5	29.8	44.8	
170	25.0	19.8	29.6	

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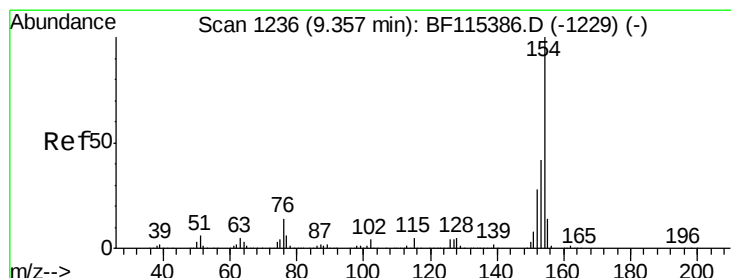
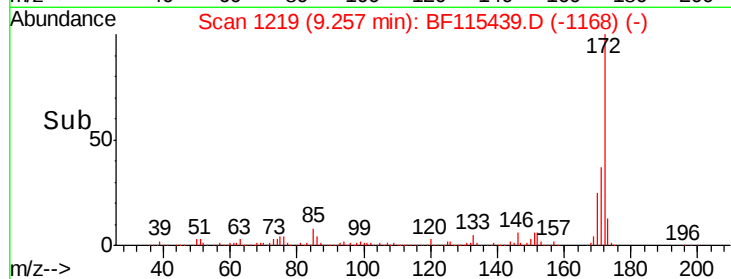
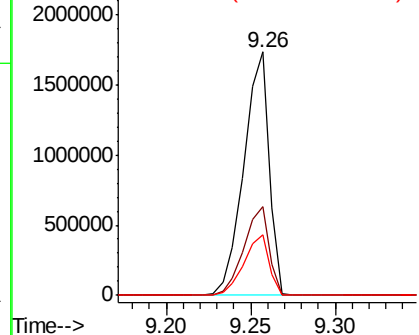


Abundance

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: 43.043 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

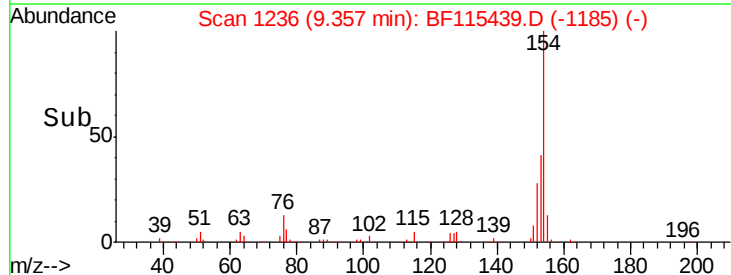
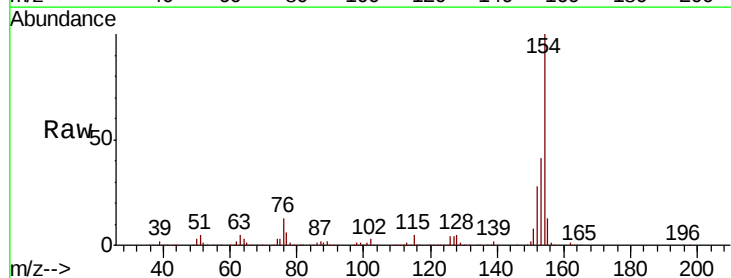
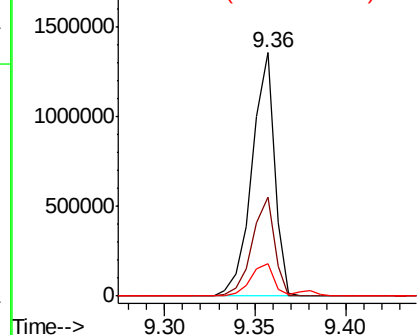
Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	40.7	21.4	61.4	
76	13.1	0.0	34.2	

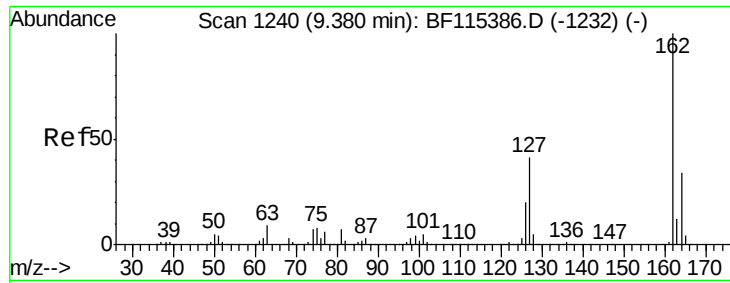
Abundance

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





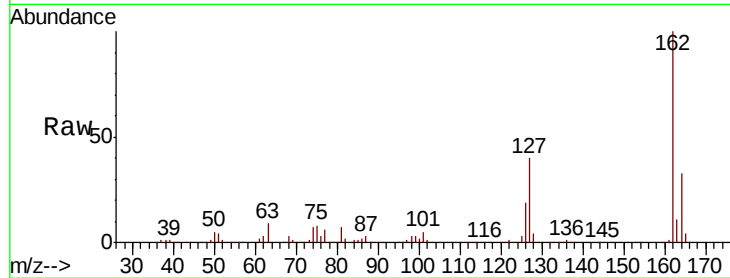
#47
2-Chloronaphthalene
Concen: 41.294 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

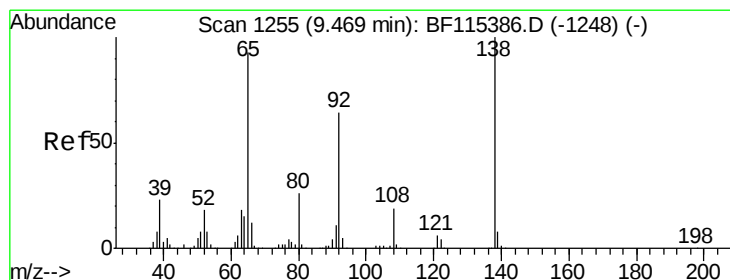
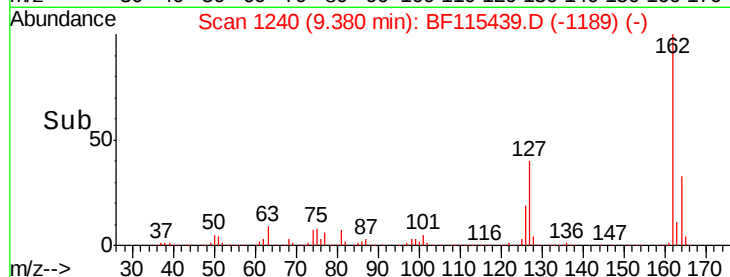
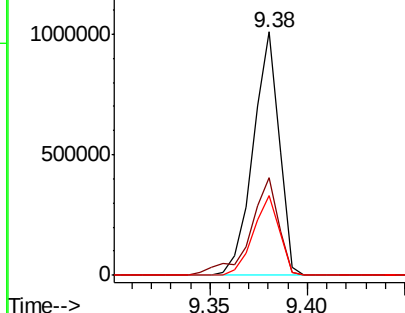
Tot Ion	Ratio	Resp	Lower	Upper
162	100	930412		
127	40.1		32.5	48.7
164	33.0		26.6	40.0

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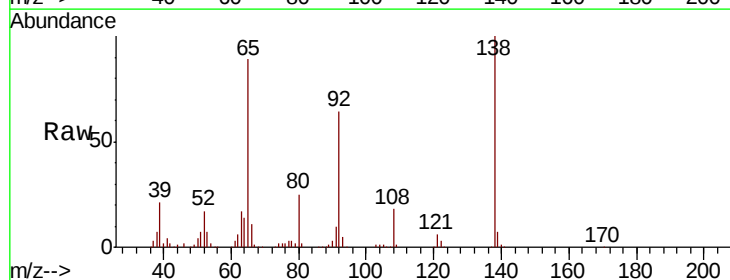


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

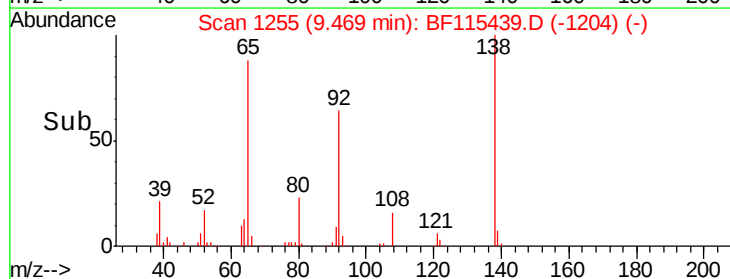
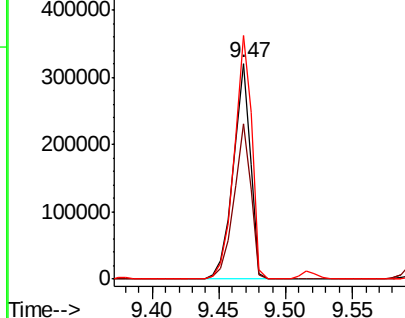


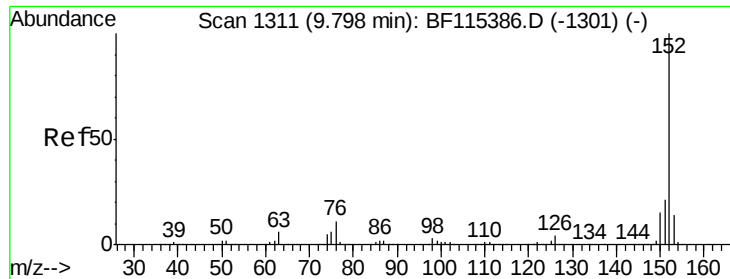
#48
2-Nitroaniline
Concen: 44.441 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	294185		
92	72.1		55.3	82.9
138	112.7		86.6	130.0



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: 41.643 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion:152 Resp: 1420593

Ion Ratio Lower Upper

152 100

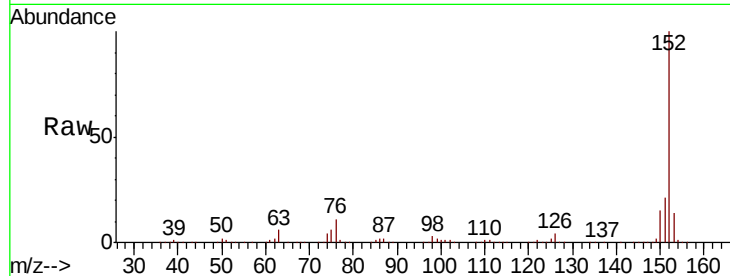
151 20.8 16.9 25.3

153 14.0 11.5 17.3

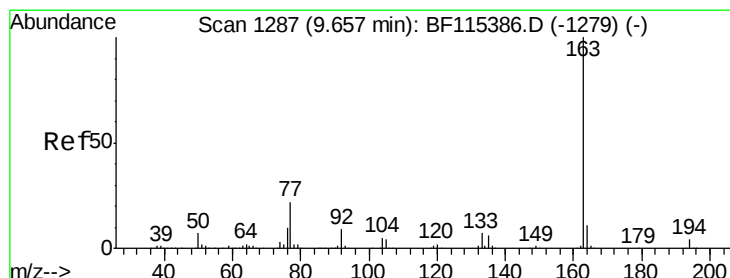
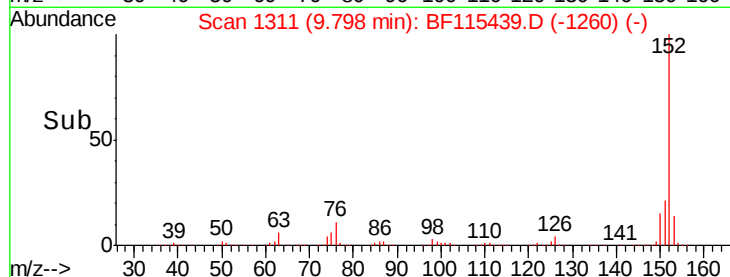
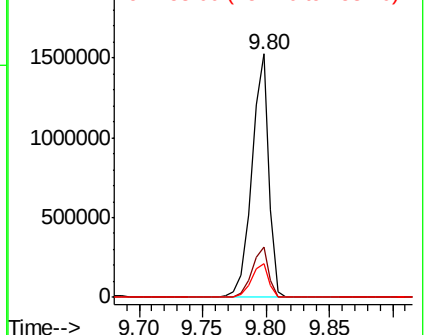
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 56.087 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

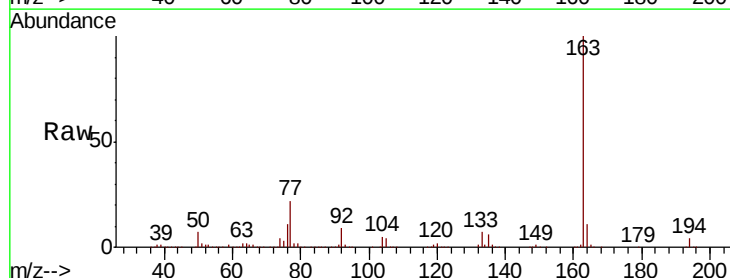
Tgt Ion:163 Resp: 1459827

Ion Ratio Lower Upper

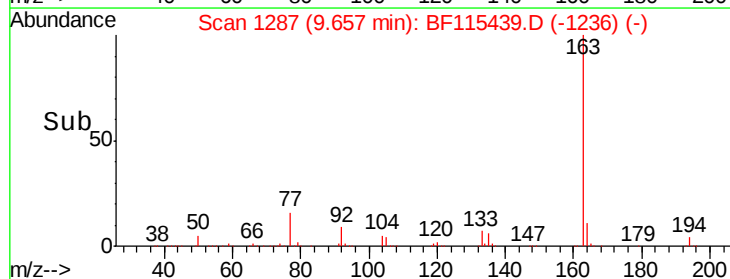
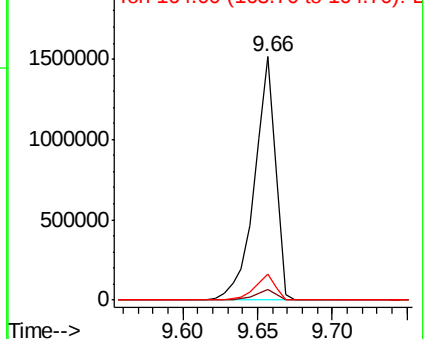
163 100

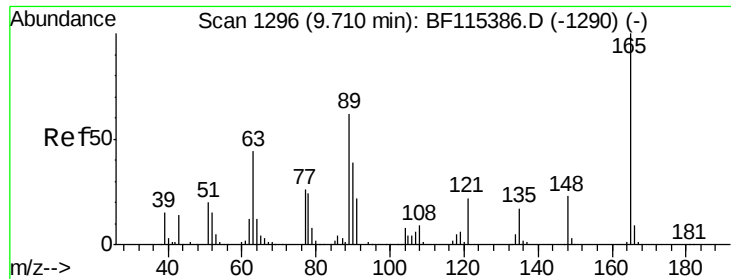
194 4.1 3.3 4.9

164 10.9 8.5 12.7



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





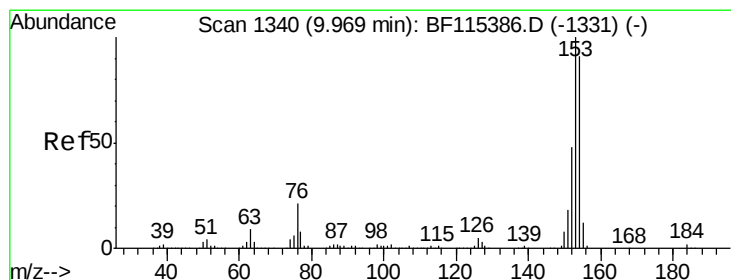
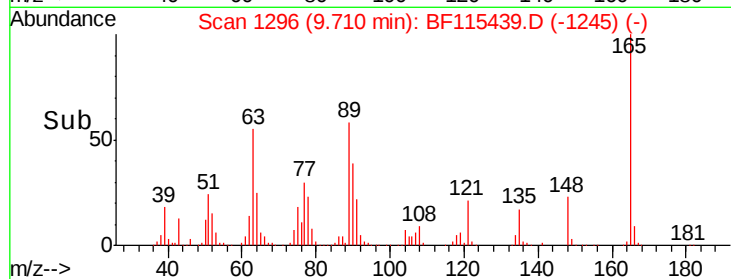
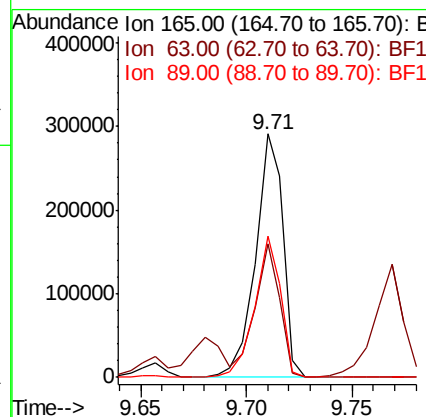
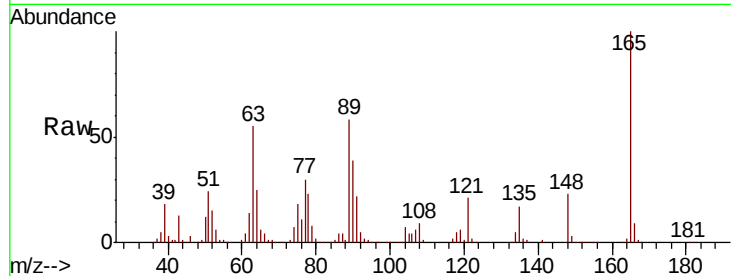
#51
2,6-Dinitrotoluene
Concen: 46.522 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	262610		
63	55.1	44.6	66.8	
89	58.2	47.2	70.8	

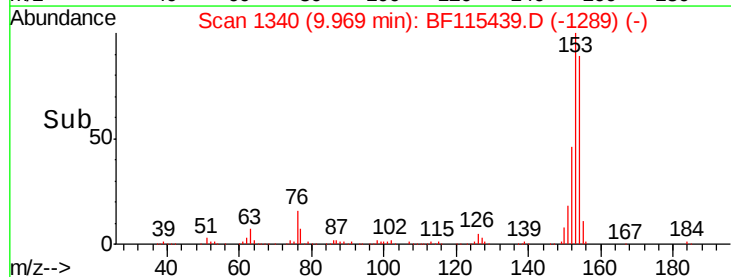
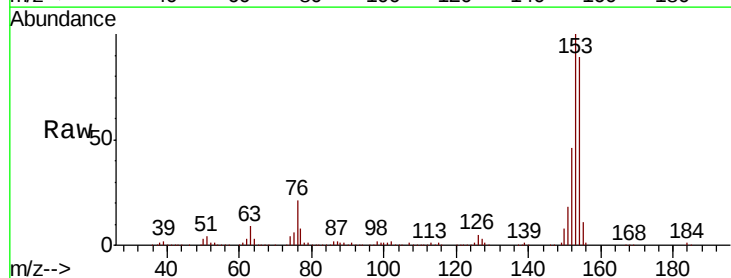
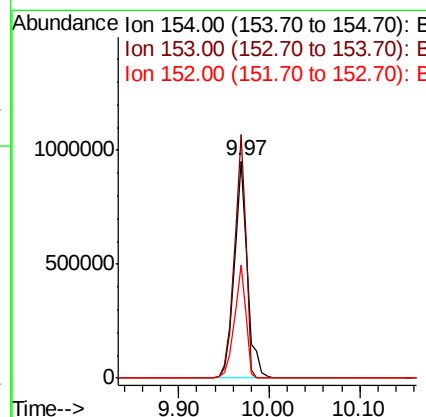
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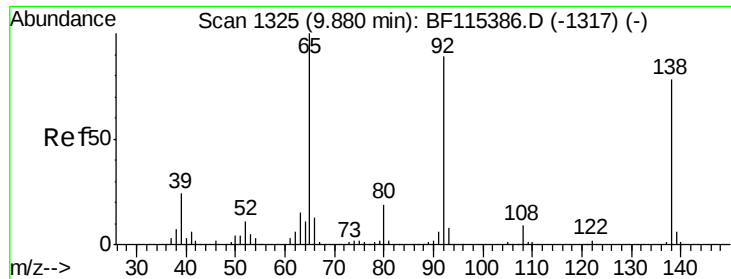
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#52
Acenaphthene
Concen: 44.179 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	948485		
153	112.2	88.6	133.0	
152	52.0	41.4	62.0	





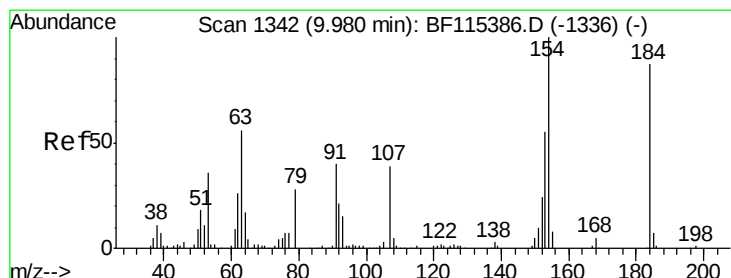
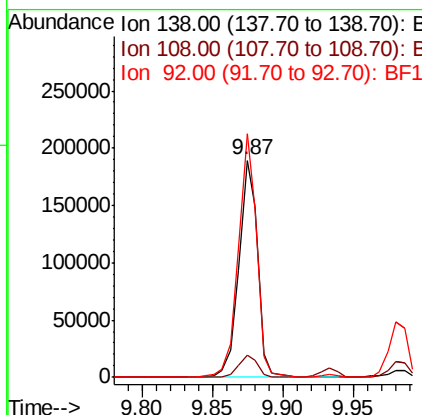
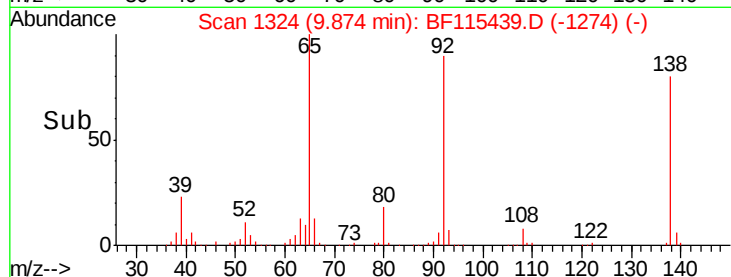
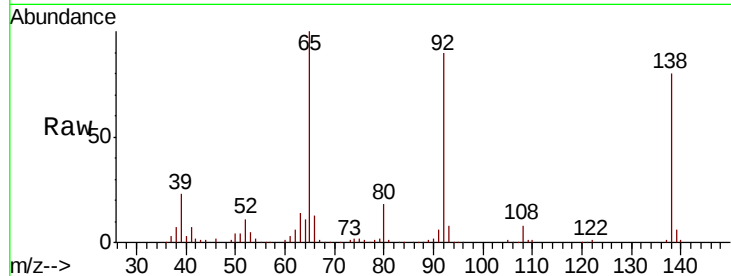
#53
3-Nitroaniline
Concen: 26.535 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	112.3	89.1	133.7

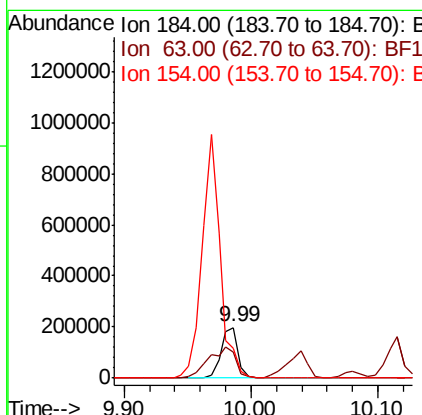
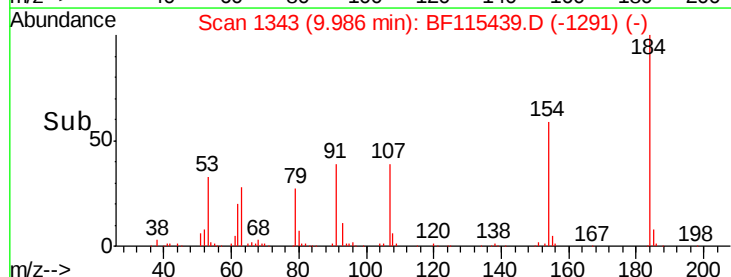
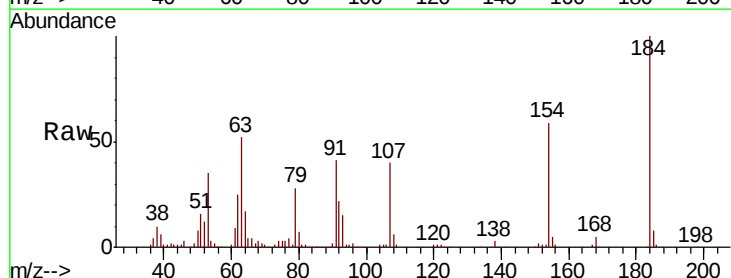
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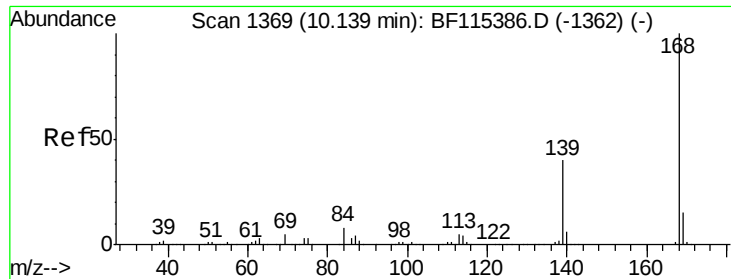
mohammad
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#54
2,4-Dinitrophenol
Concen: 76.688 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
184	100		
63	52.2	51.4	77.2
154	59.3	94.5	141.7#





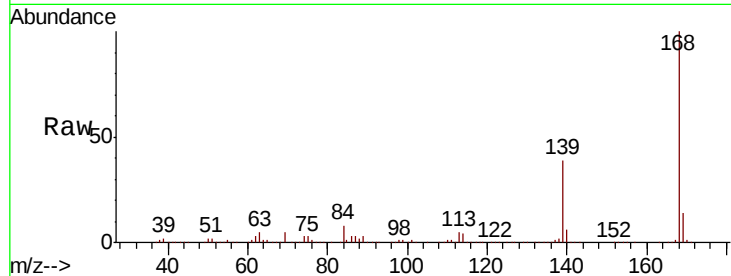
#55
Dibenzenofuran
Concen: 42.848 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampled :
72-12017-VNJ-206MSD

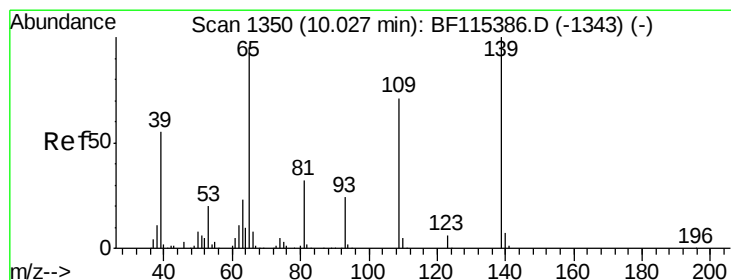
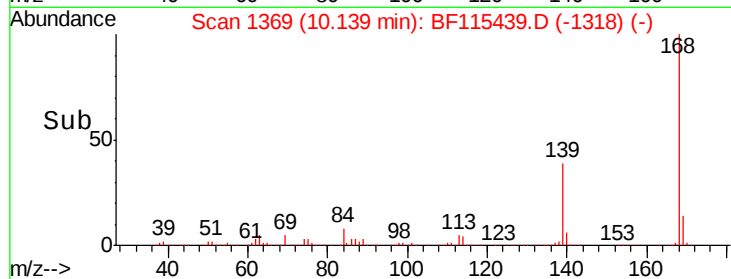
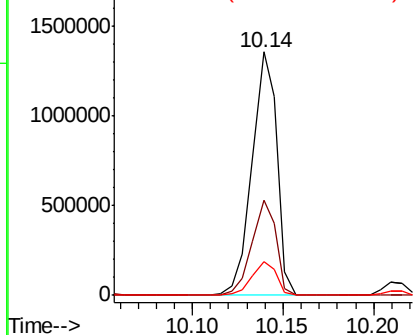
Tot Ion:168 Resp: 1295834
Ion Ratio Lower Upper
168 100
139 39.3 31.3 46.9
169 14.1 11.4 17.2

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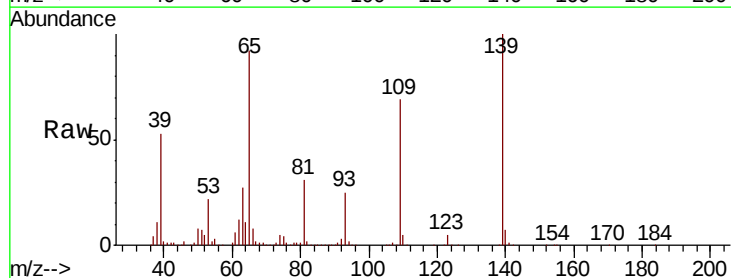


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

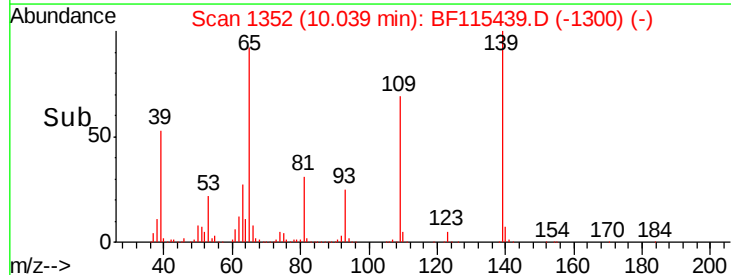
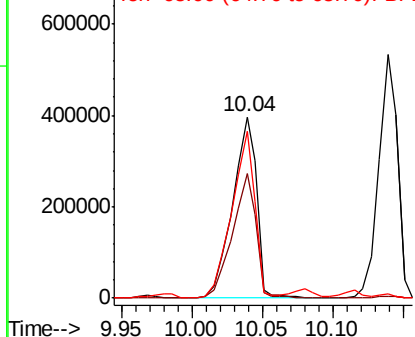


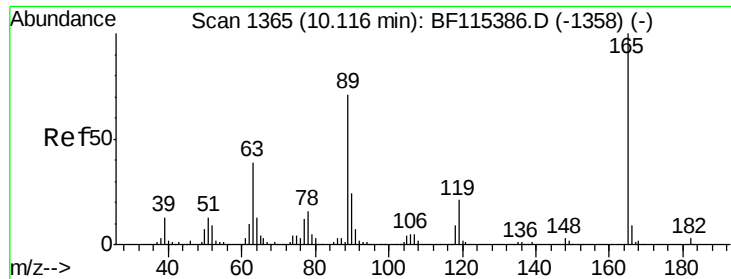
#56
4-Nitrophenol
Concen: 91.992 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion:139 Resp: 466625
Ion Ratio Lower Upper
139 100
109 68.8 43.1 83.1
65 91.9 57.5 97.5



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





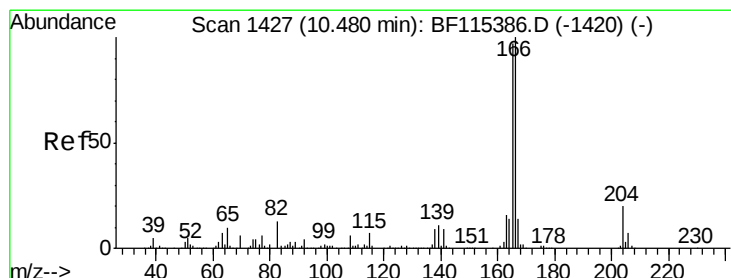
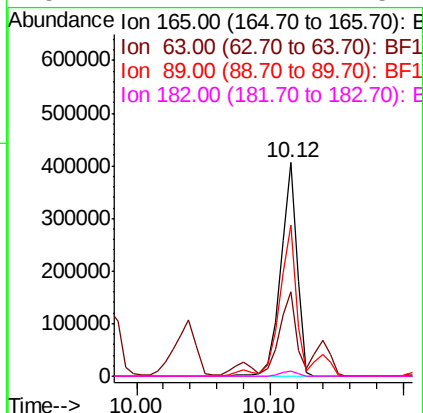
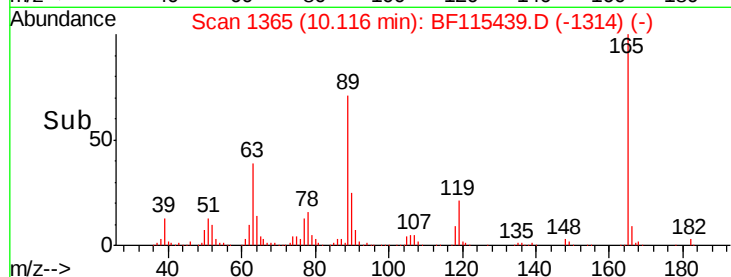
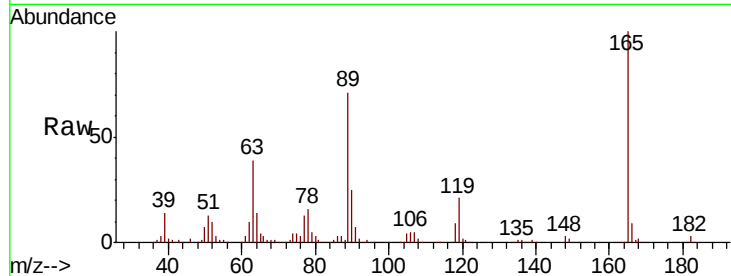
#57
2,4-Dinitrotoluene
Concen: 48.909 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	39.3	29.1	43.7
89	70.6	52.9	79.3
182	2.7	2.2	3.2

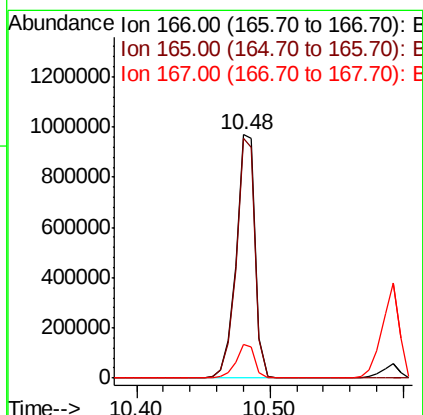
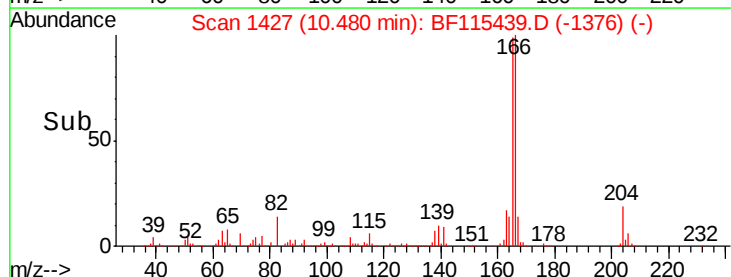
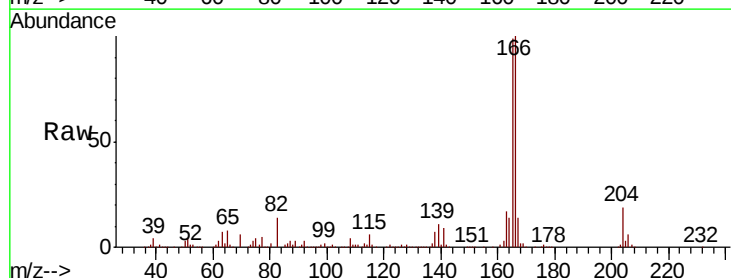
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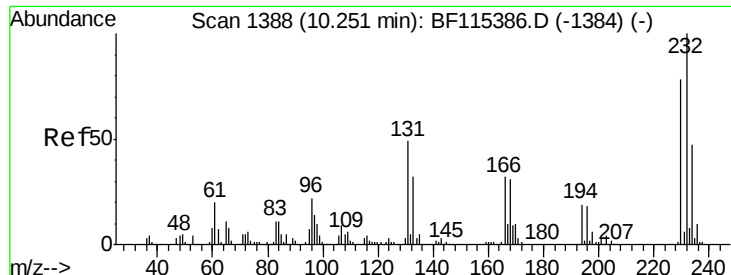
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#58
Fluorene
Concen: 40.235 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.9	118.3
167	13.8	11.1	16.7





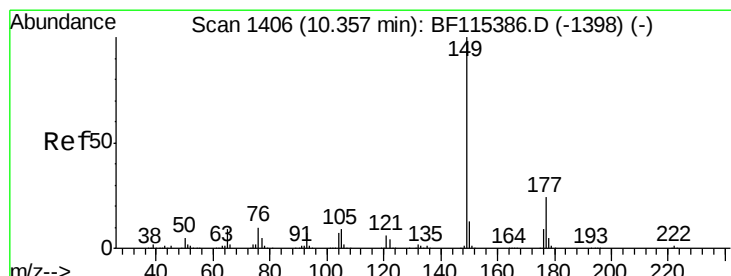
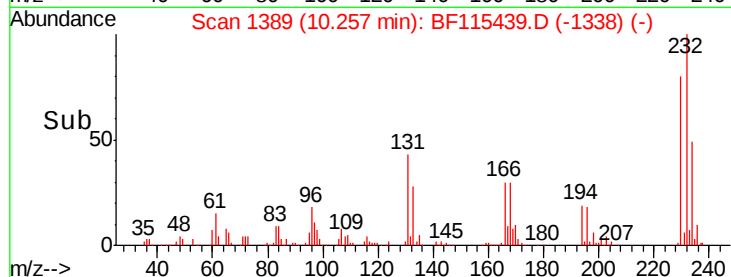
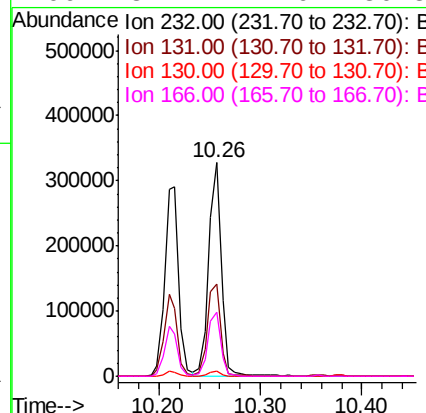
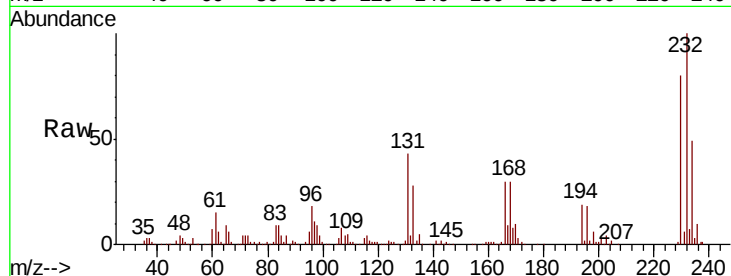
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 43.605 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.0	54.0
130	2.2	1.8	2.6
166	31.2	24.6	36.8

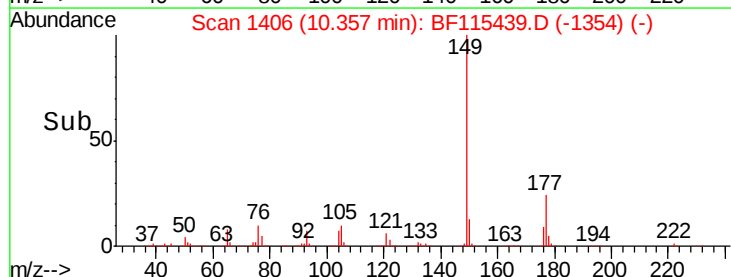
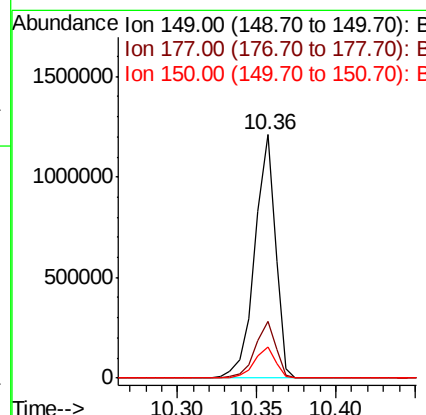
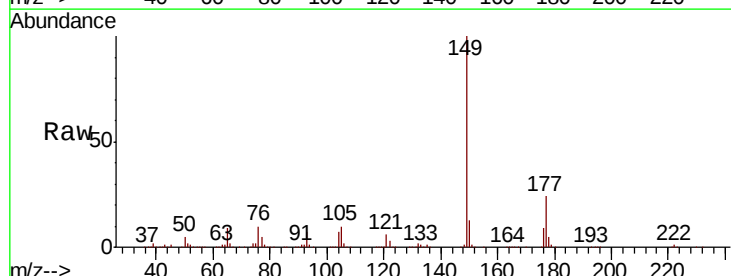
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#60
 Diethylphthalate
 Concen: 42.732 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.2	27.2
150	12.9	10.4	15.6





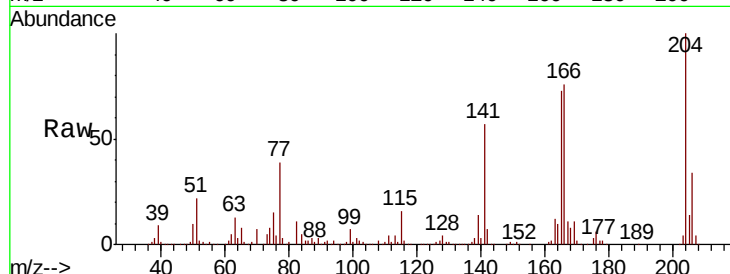
#61
 4-Chlorophenyl-phenylether
 Concen: 41.953 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

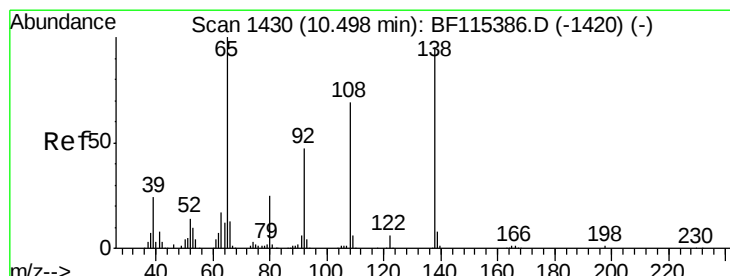
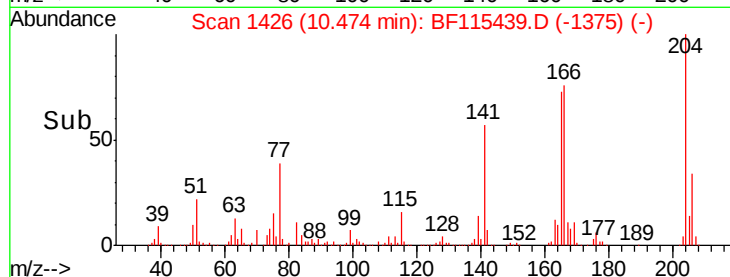
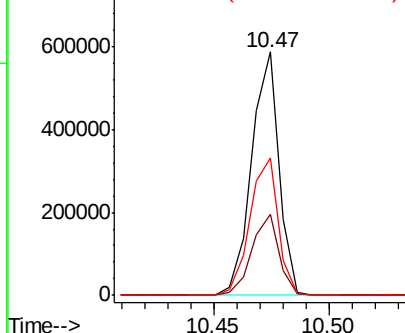
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.6	40.0
141	56.5	44.6	66.8

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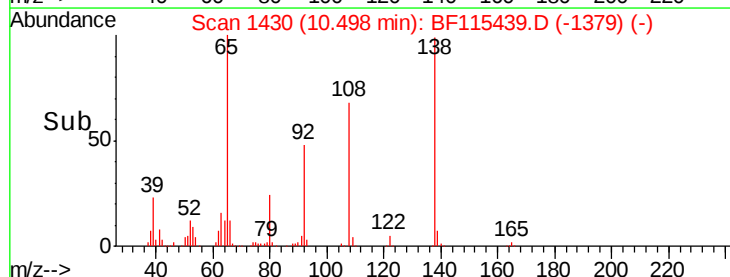
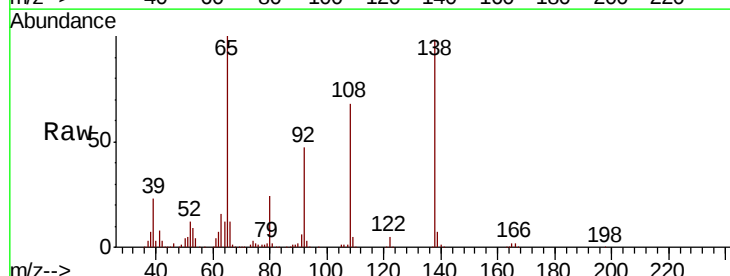
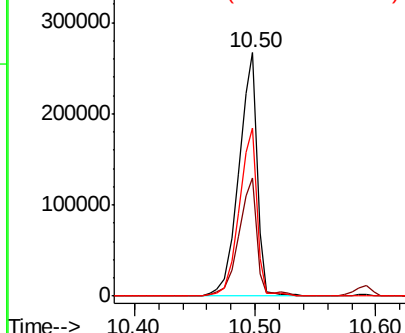
Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

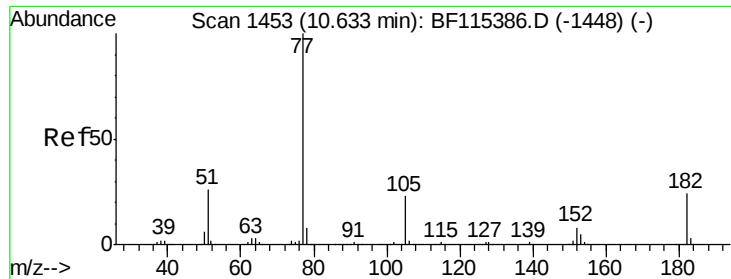


#62
 4-Nitroaniline
 Concen: 43.979 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.4	27.1	67.1
108	69.0	48.2	88.2

Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





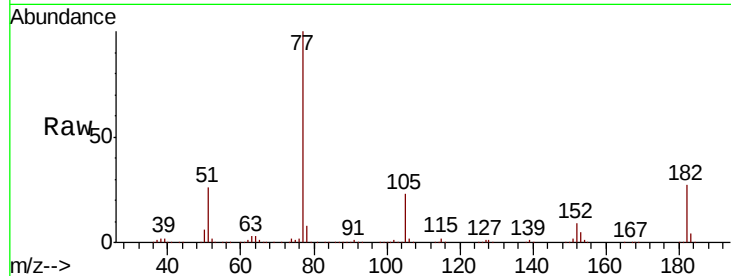
#63
Azobenzene
Concen: 41.274 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

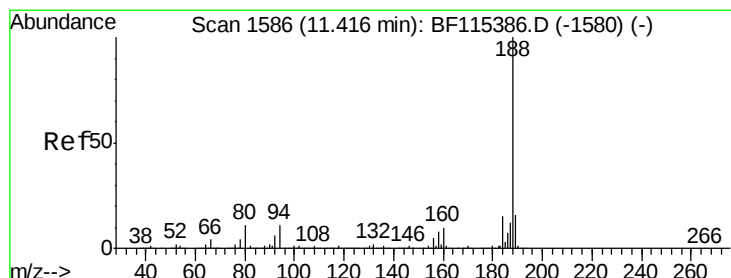
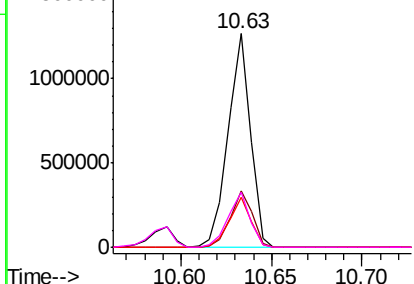
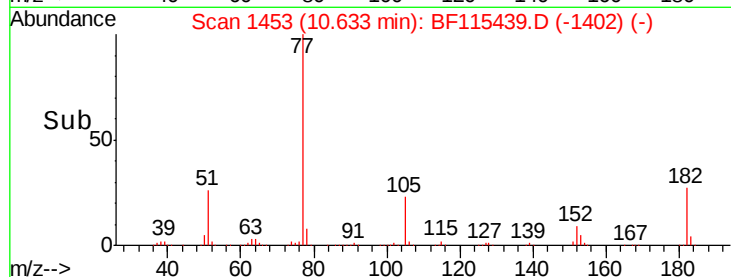
Tot Ion	77	Resp	1089993
Ion	Ratio	Lower	Upper
77	100		
182	26.5	6.1	46.1
105	23.2	3.1	43.1
51	26.0	6.0	46.0

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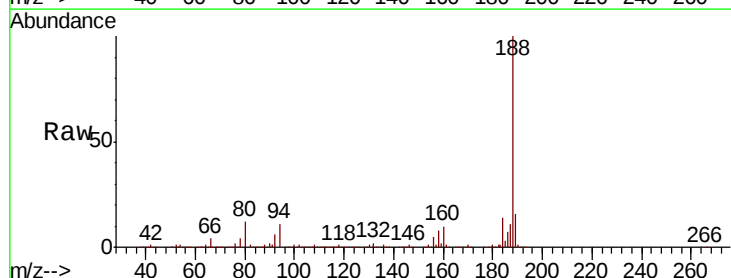


Abundance Ion 77.00 (76.70 to 77.70): BF1
2000000 Ion 182.00 (181.70 to 182.70): E
1500000 Ion 105.00 (104.70 to 105.70): E
1000000 Ion 51.00 (50.70 to 51.70): BF1

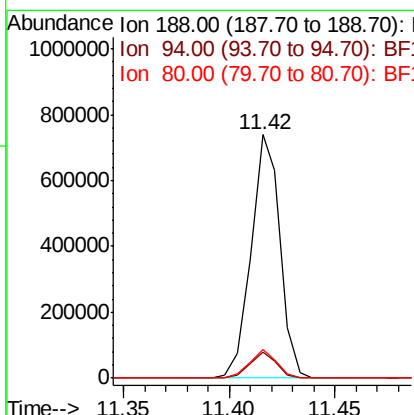
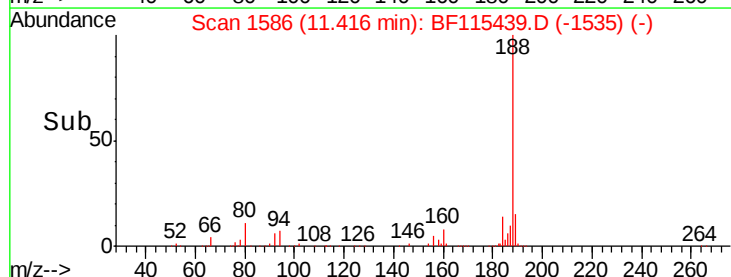


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	188	Resp	701260
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.1	12.1
80	11.7	8.6	13.0



Abundance Ion 188.00 (187.70 to 188.70): E
1000000 Ion 94.00 (93.70 to 94.70): BF1
800000 Ion 80.00 (79.70 to 80.70): BF1





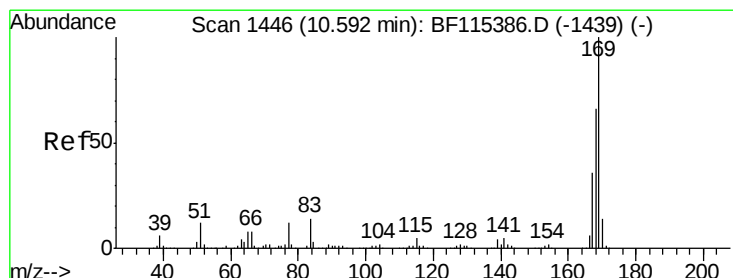
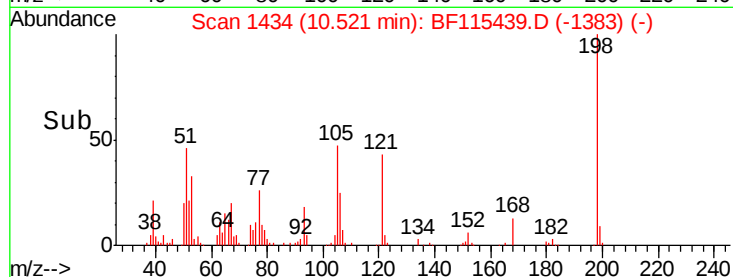
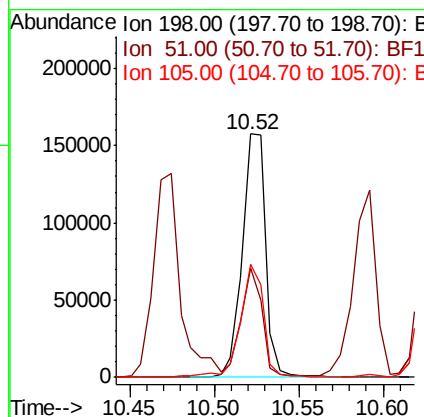
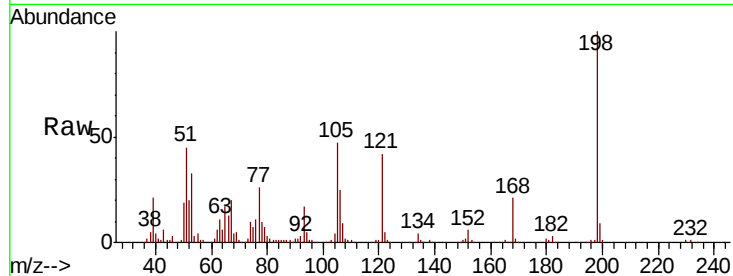
#65
 4,6-Dinitro-2-methylphenol
 Concen: 45.984 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	153083		
51	45.1	23.2	63.2	
105	46.7	26.3	66.3	

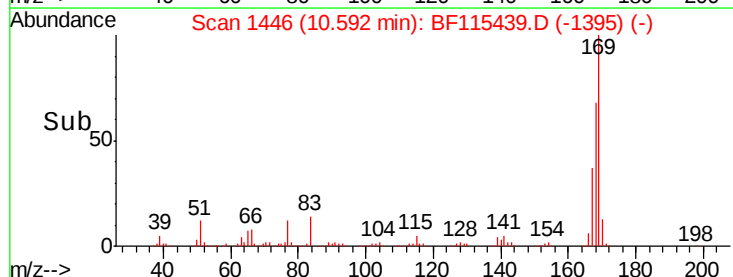
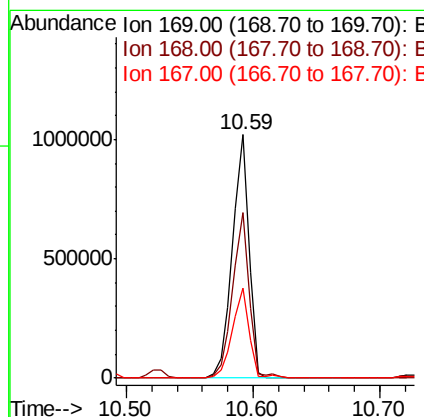
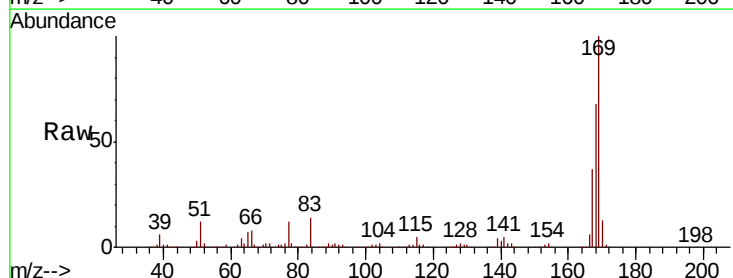
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#66
 n-Nitrosodiphenylamine
 Concen: 41.703 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	921442		
168	67.8	53.4	80.0	
167	36.9	29.2	43.8	





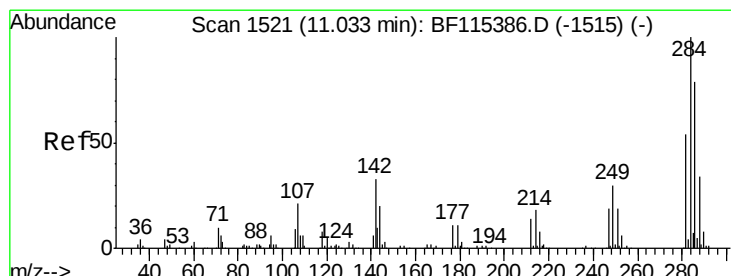
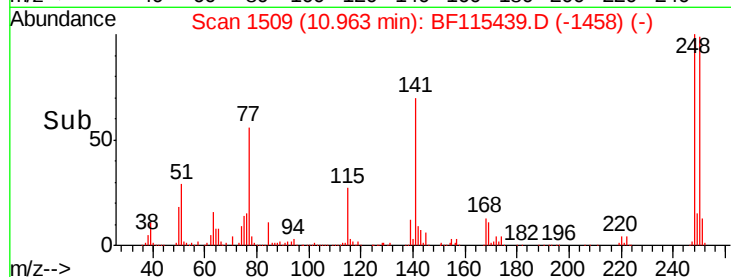
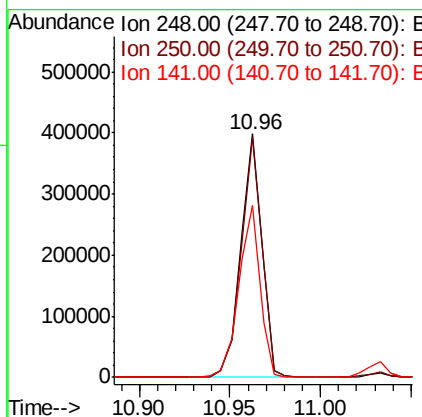
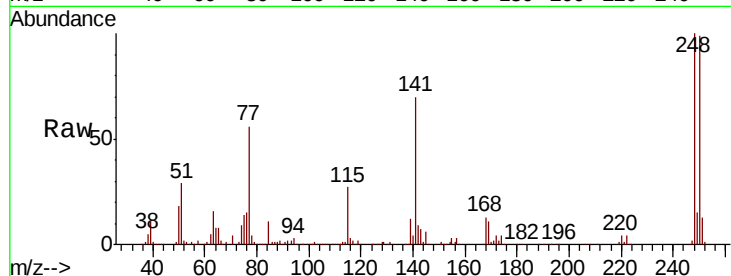
#67
4-Bromophenyl-phenylether
Concen: 40.887 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.0	115.4
141	70.5	55.6	83.4

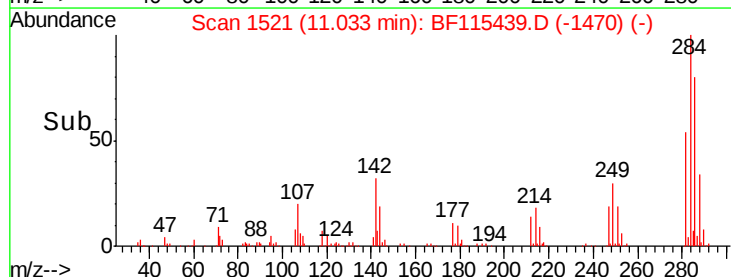
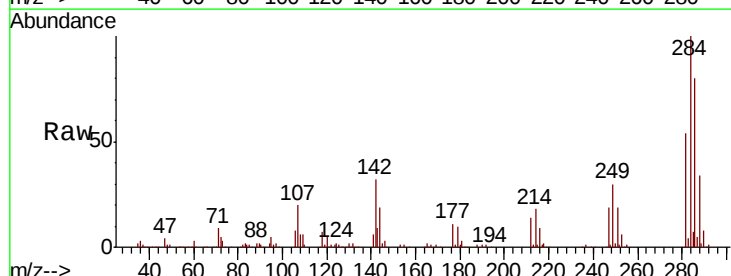
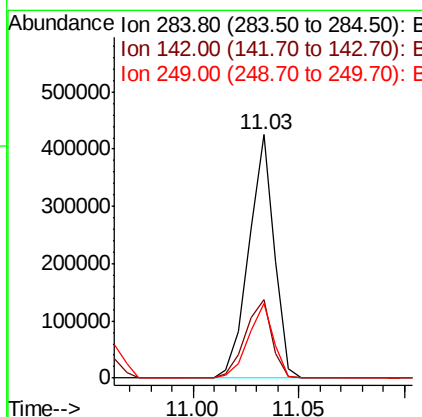
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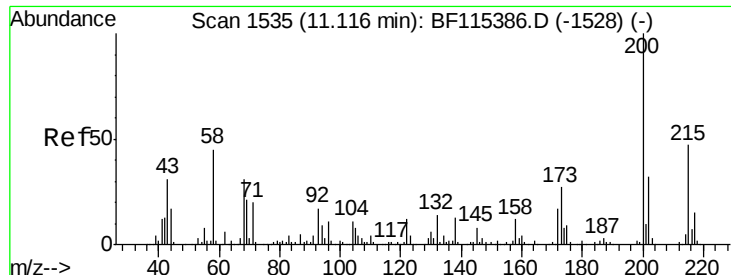
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#68
Hexachlorobenzene
Concen: 40.219 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	26.5	39.7
249	30.4	24.2	36.4





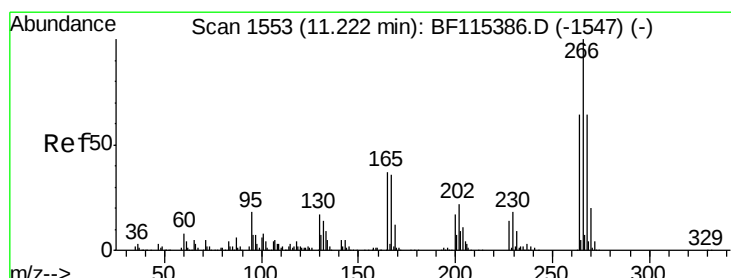
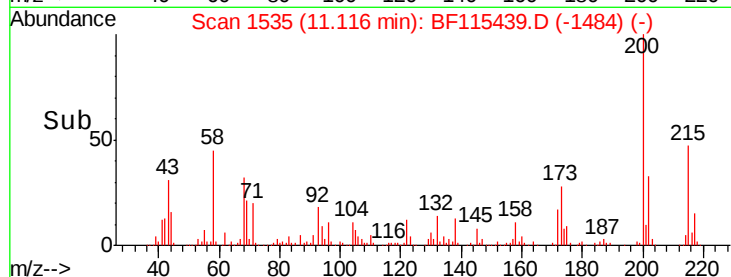
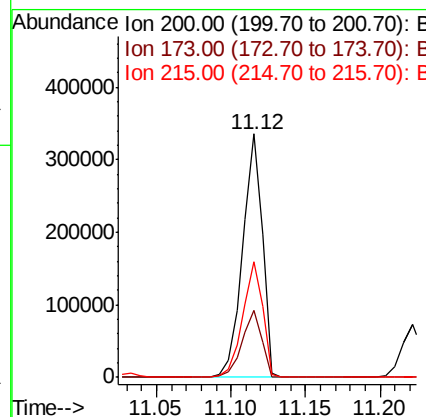
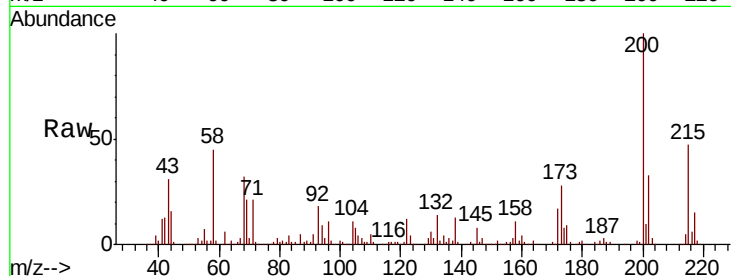
#69
Atrazine
Concen: 45.512 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.3	47.3
215	47.5	27.2	67.2

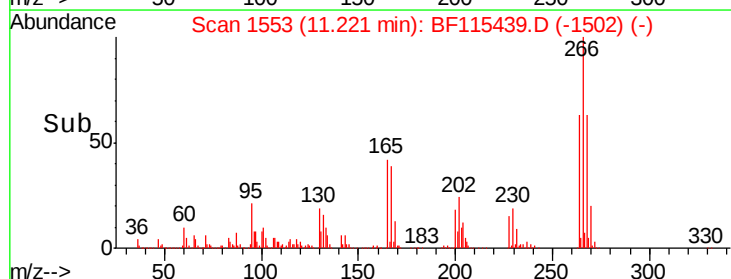
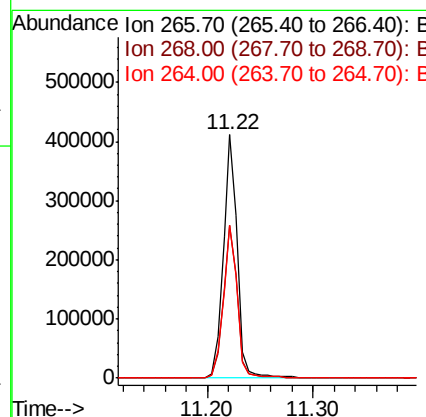
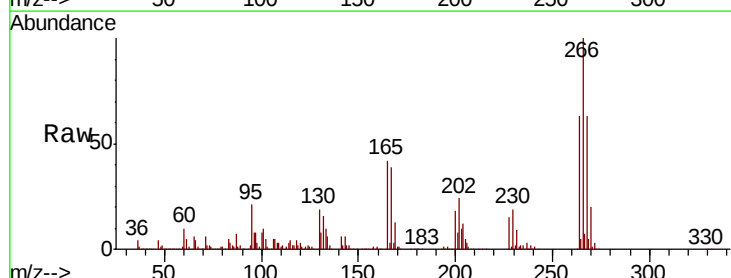
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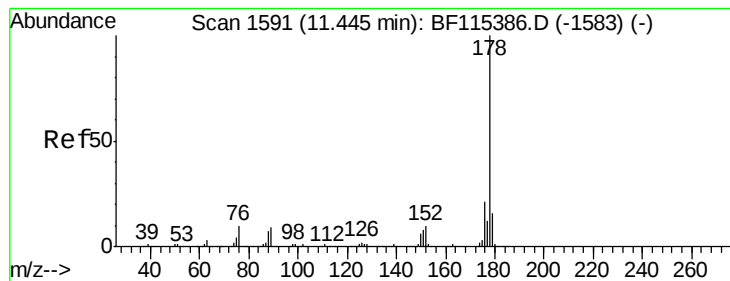
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#70
Pentachlorophenol
Concen: 72.126 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.0	75.0
264	62.8	50.5	75.7





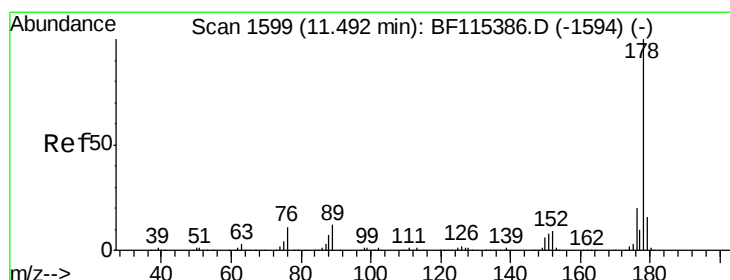
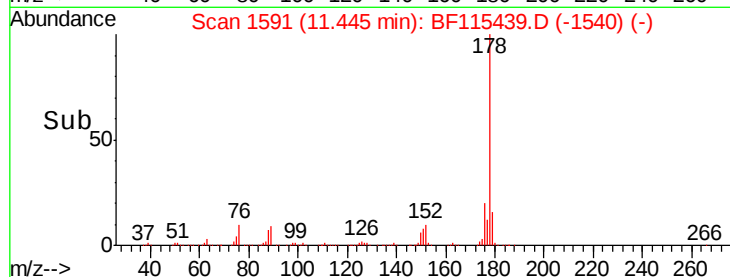
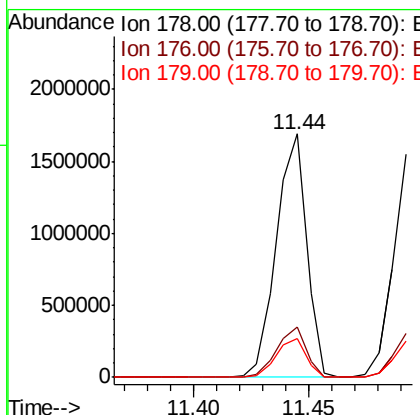
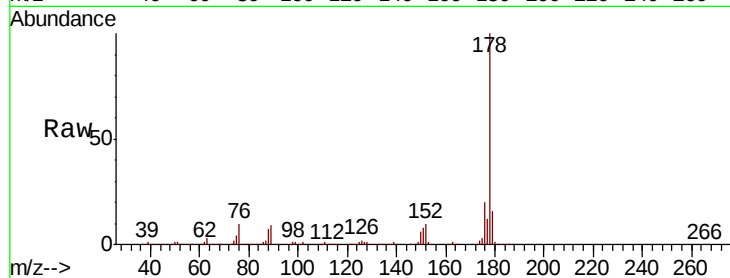
#71
Phenanthrene
Concen: 41.779 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion:178 Resp: 1540843
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.2
179 16.1 12.9 19.3

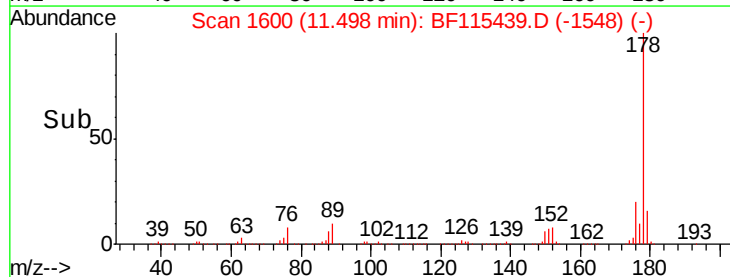
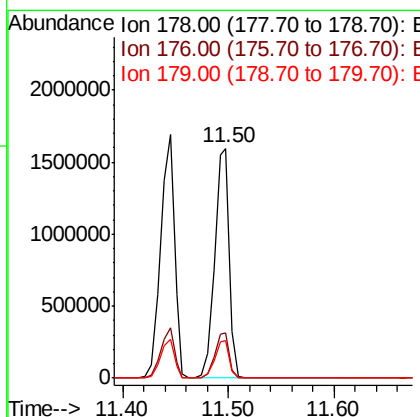
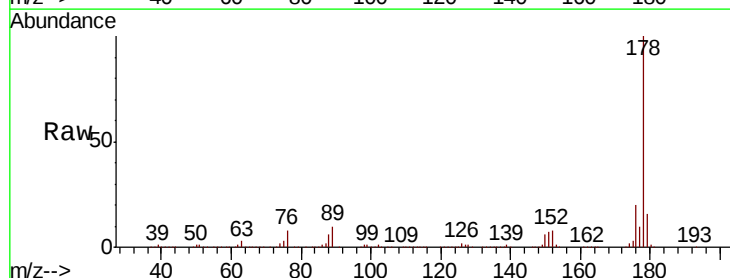
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#72
Anthracene
Concen: 42.401 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion:178 Resp: 1568128
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 16.3 13.0 19.4





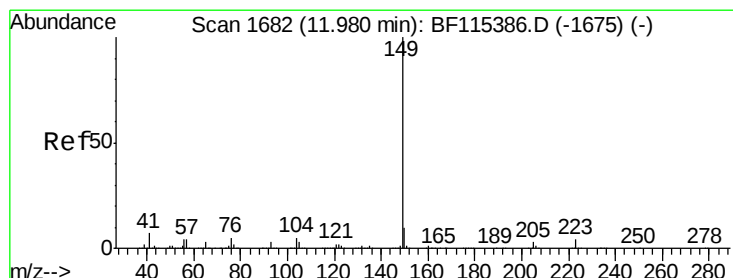
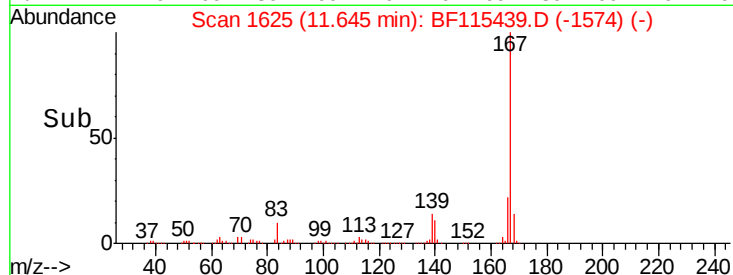
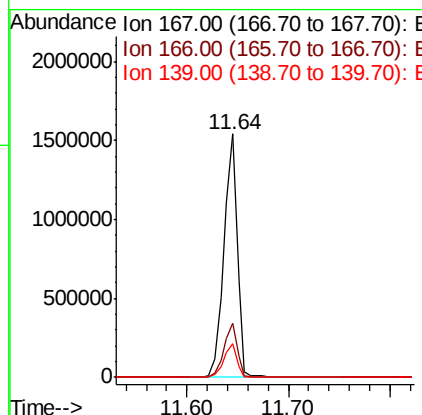
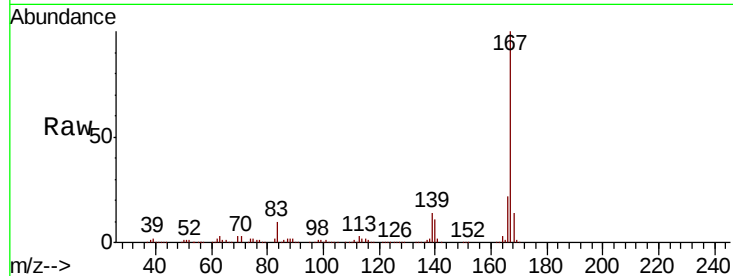
#73
 Carbazole
 Concen: 41.522 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.2	27.4
139	13.9	11.0	16.4

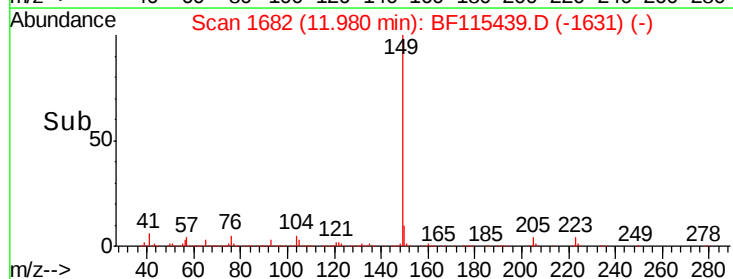
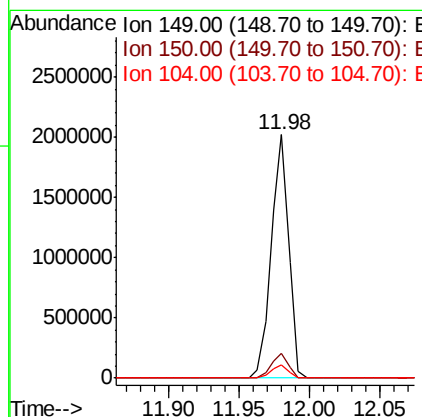
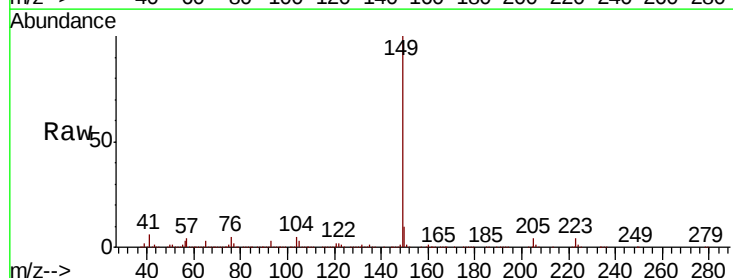
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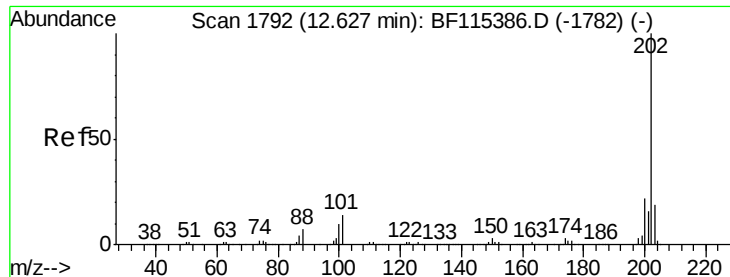
mohammad
 7/10/2019 6:16:53 PM



#74
 Di-n-butylphthalate
 Concen: 43.001 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.0	12.0
104	5.3	4.2	6.2





#75

Fluoranthene

Concen: 44.530 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

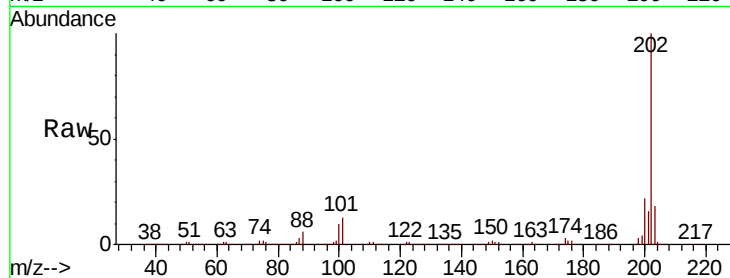
ClientSampleId :

72-12017-VNJ-206MSD

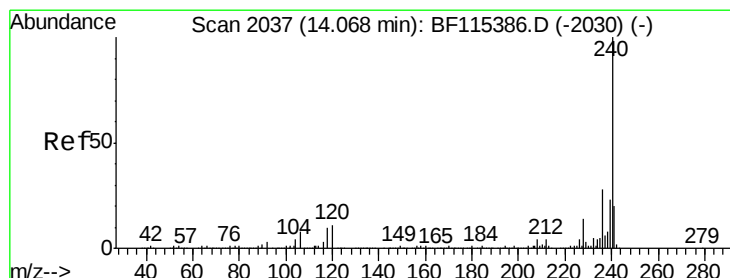
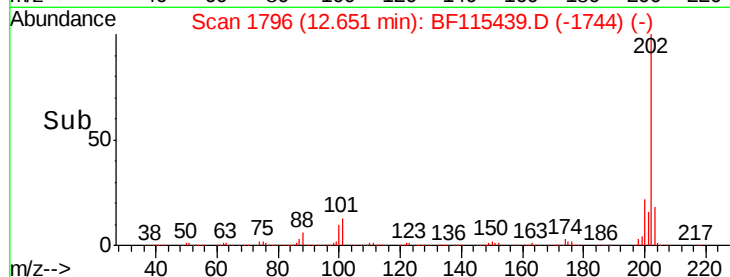
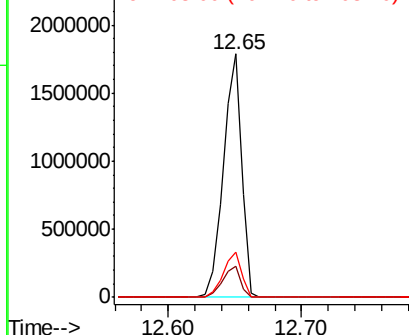
Tot Ion:	202	Resp:	1729200
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.8
203	18.5	0.0	38.1

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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

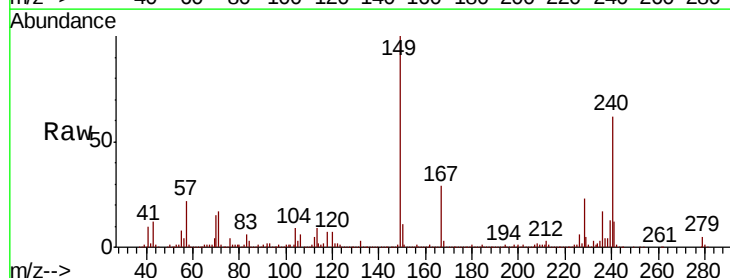
RT: 14.22 min Scan# 2063

Delta R.T. 0.01 min

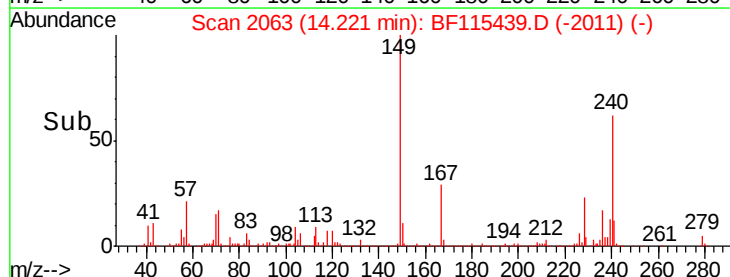
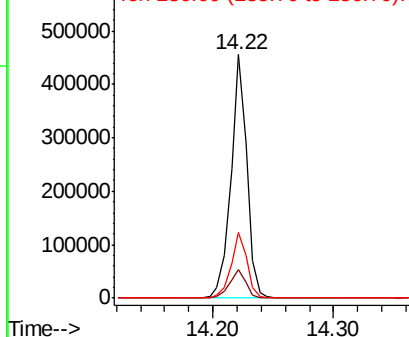
Lab File: BF115439.D

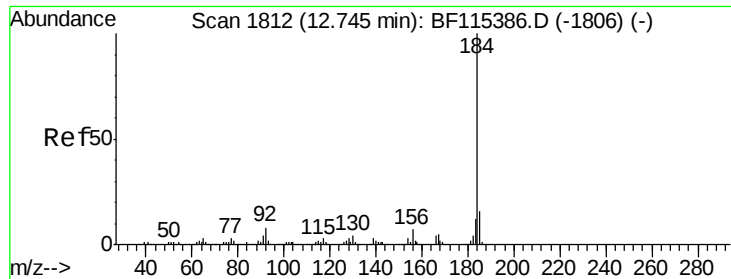
Acq: 9 Jul 2019 18:09

Tgt Ion:	240	Resp:	416657
Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.6	14.4
236	26.8	21.6	32.4



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: 40.687 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

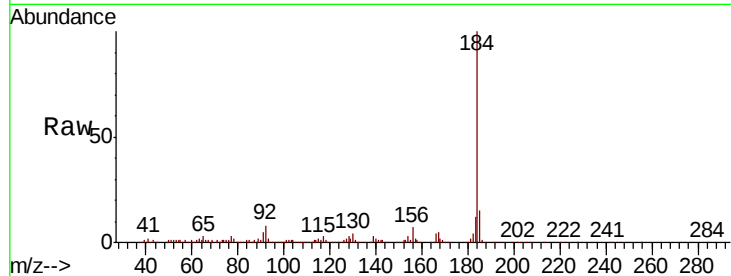
ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	15.2	13.4	20.2
183	12.1	9.4	14.0

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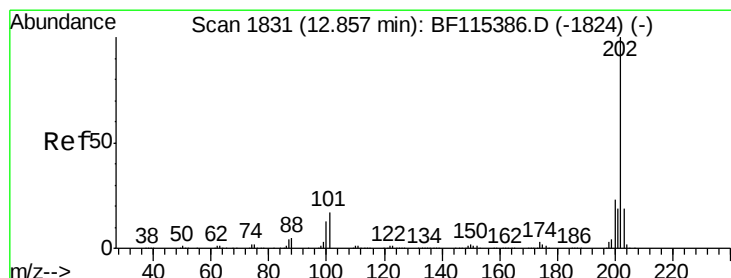
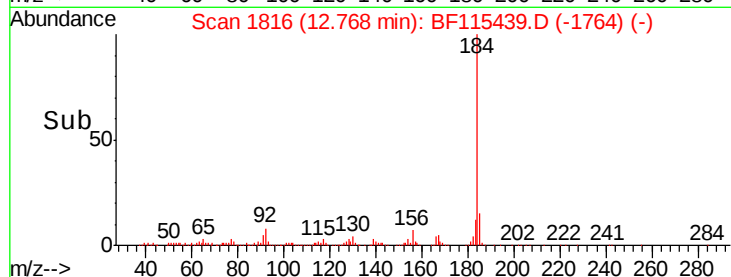
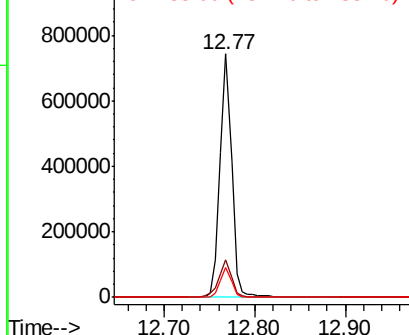


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.482 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

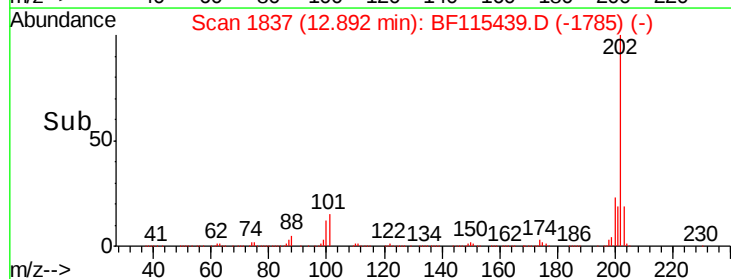
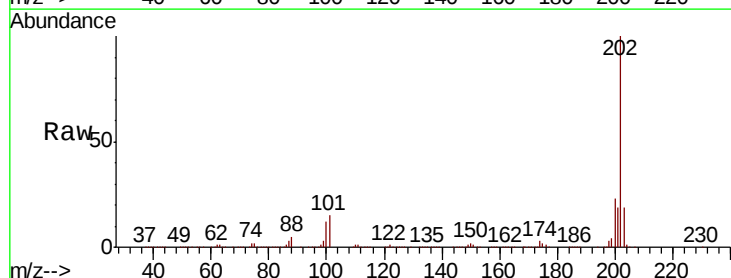
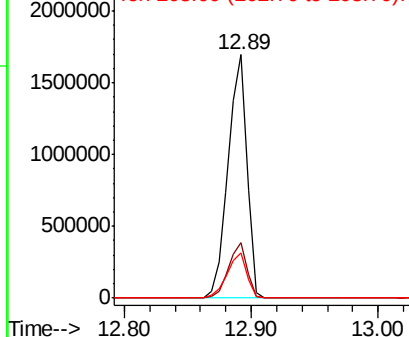
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.7	18.2	27.4
203	18.6	14.7	22.1

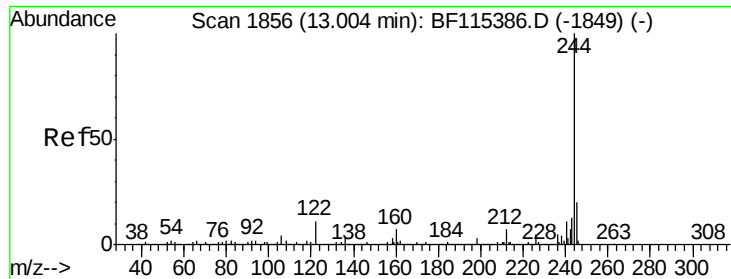
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





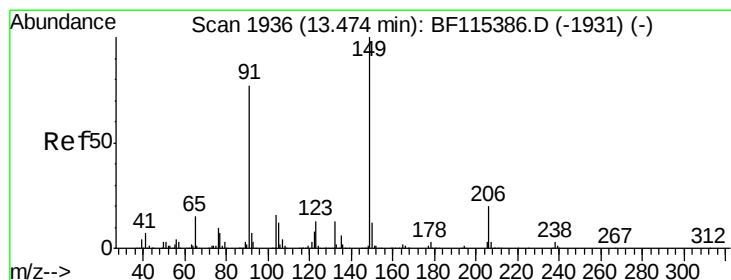
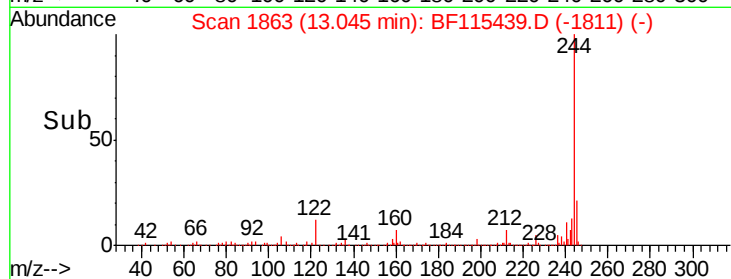
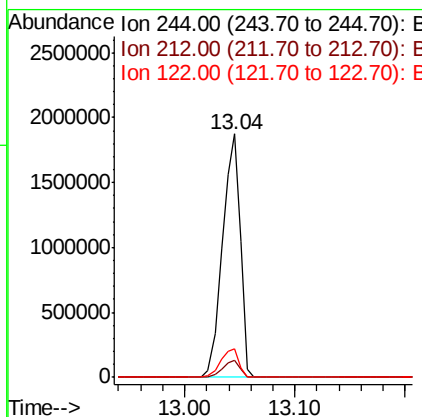
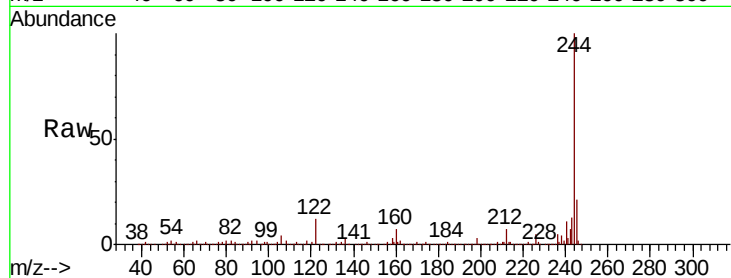
#79
 Terphenyl-d14
 Concen: 103.470 ng
 RT: 13.04 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.6	9.3	13.9

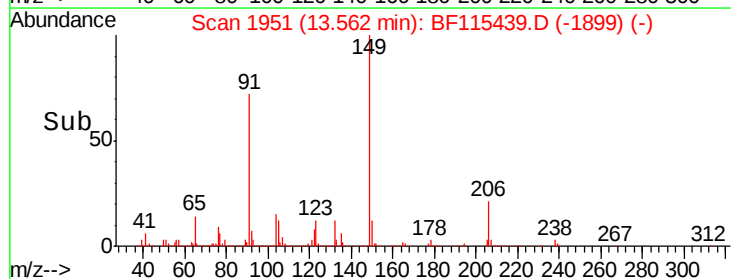
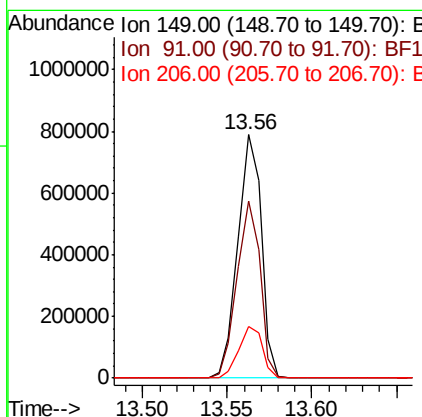
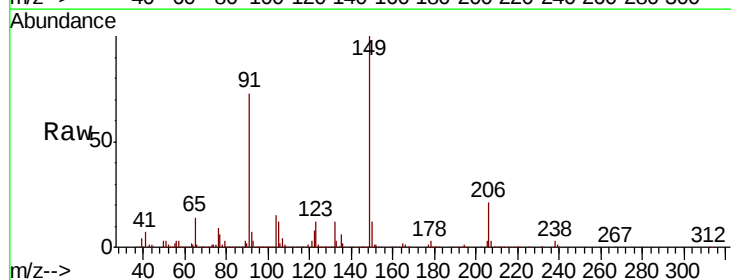
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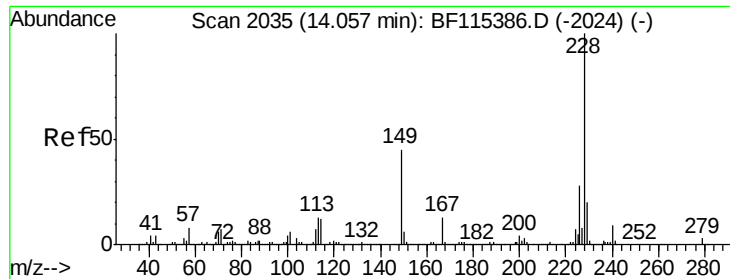
mohammad
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#80
 Butylbenzylphthalate
 Concen: 54.155 ng
 RT: 13.56 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.5	55.2	82.8
206	21.0	17.8	26.8





#81

Benzo(a)anthracene

Concen: 48.079 ng

RT: 14.21 min Scan# 2061

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion:228 Resp: 1283563

Ion Ratio Lower Upper

228 100

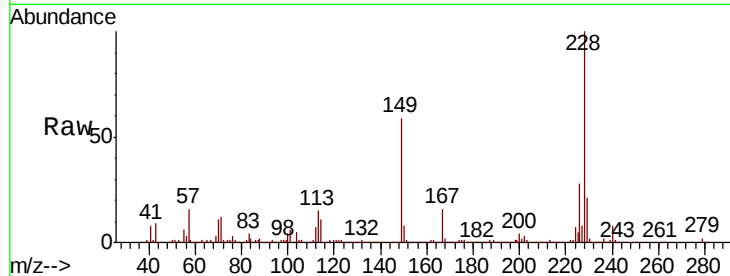
226 28.1 22.5 33.7

229 20.7 16.4 24.6

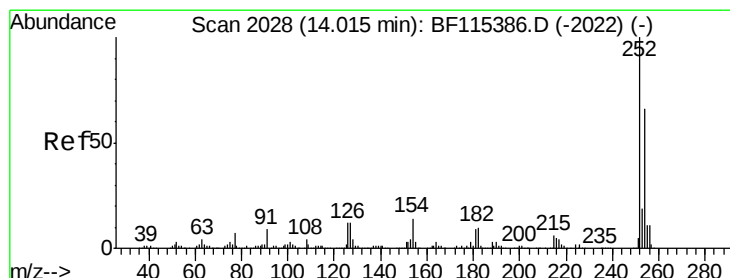
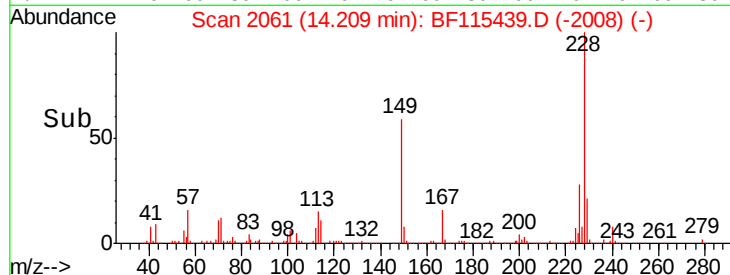
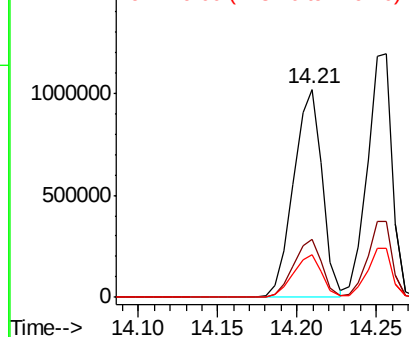
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.053 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

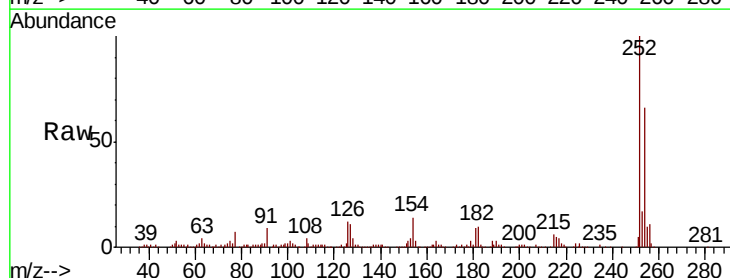
Tgt Ion:252 Resp: 300816

Ion Ratio Lower Upper

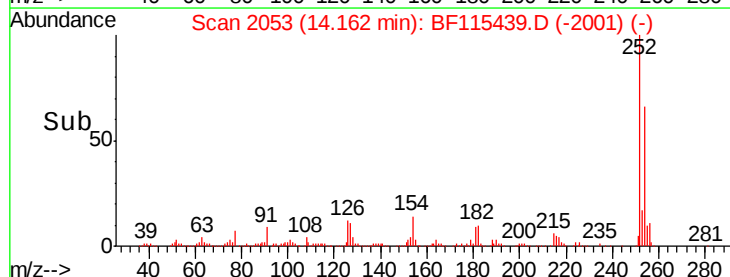
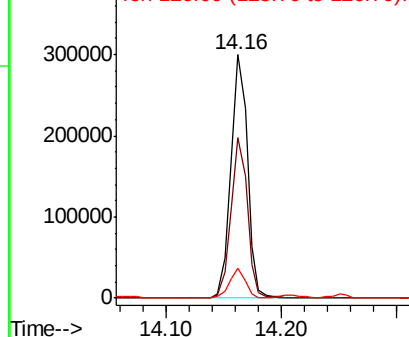
252 100

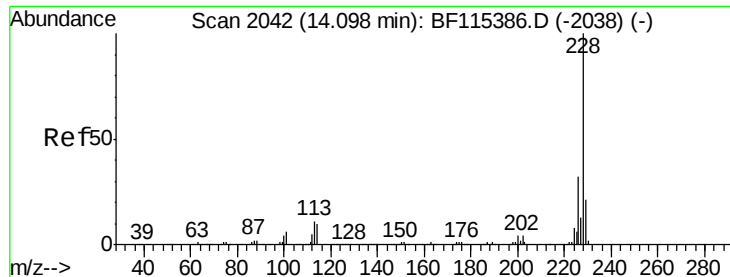
254 65.6 53.0 79.4

126 12.3 9.8 14.6



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





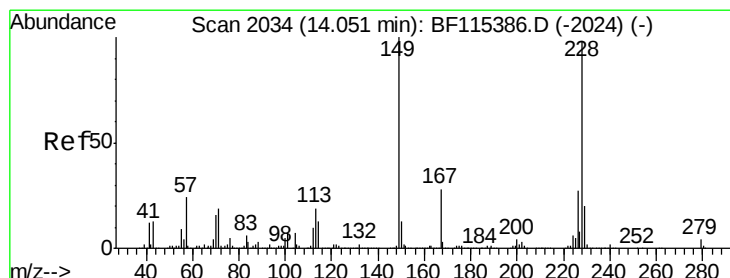
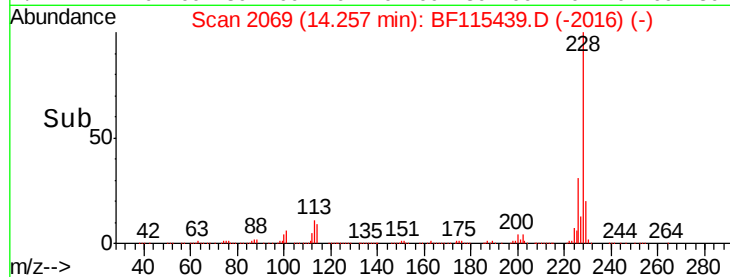
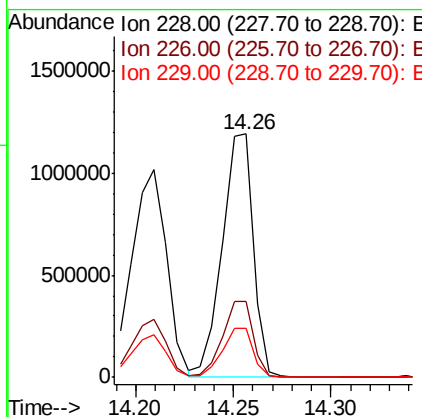
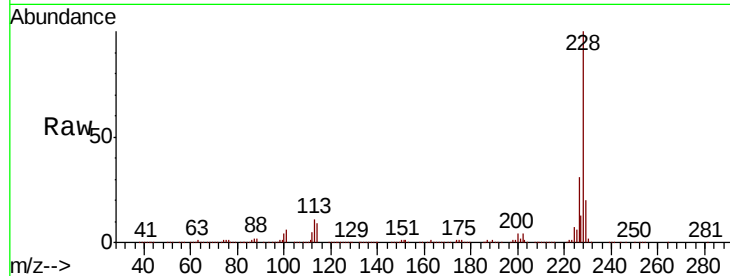
#83
 Chrvsene
 Concen: 48.048 ng
 RT: 14.26 min Scan# 2069
 Delta R.T. 0.01 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 72-12017-VNJ-206MSD

Tot Ion:228 Resp: 1317955
 Ion Ratio Lower Upper
 228 100
 226 31.3 25.0 37.4
 229 20.2 16.2 24.4

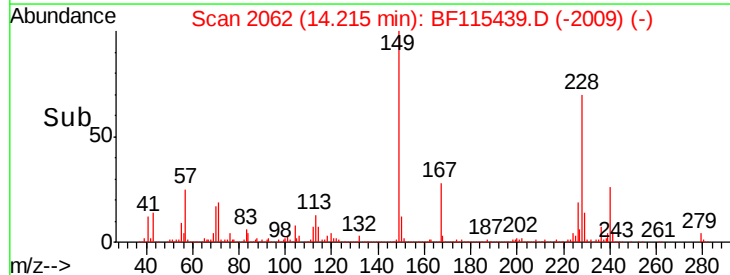
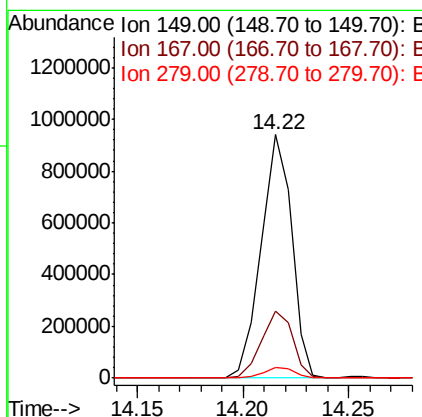
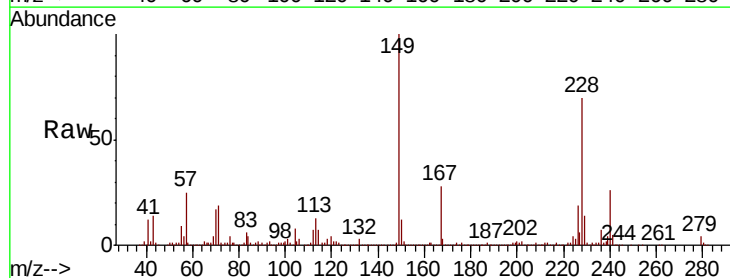
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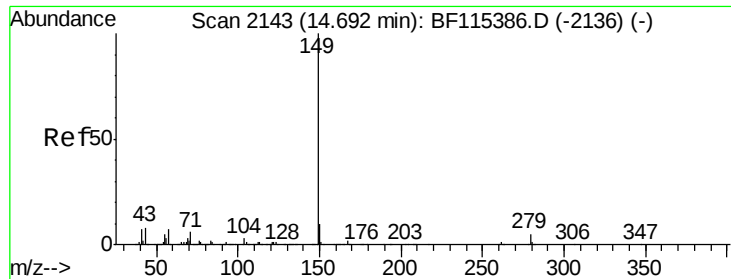
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.501 ng
 RT: 14.22 min Scan# 2062
 Delta R.T. 0.01 min
 Lab File: BF115439.D
 Acq: 9 Jul 2019 18:09

Tgt Ion:149 Resp: 955500
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.5 32.3
 279 4.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 52.374 ng

RT: 14.96 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion:149 Resp: 1634615

Ion Ratio Lower Upper

149 100

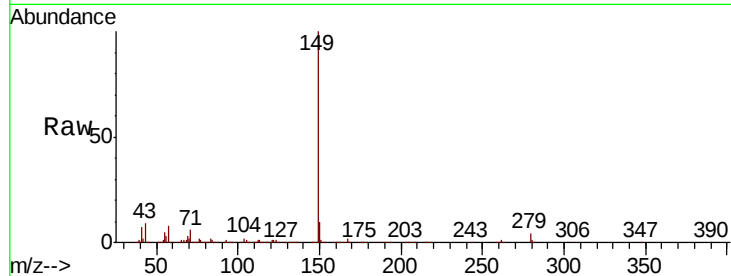
167 1.6 1.2 1.8

43 8.7 7.0 10.6

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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

2000000

1500000

1000000

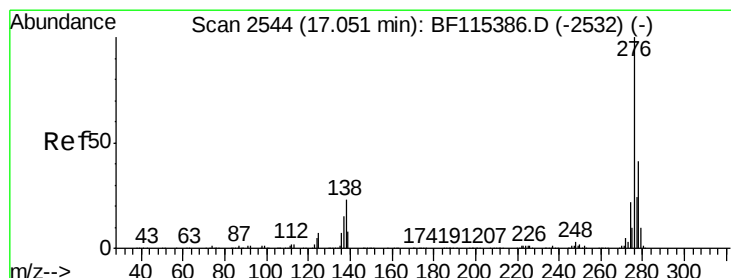
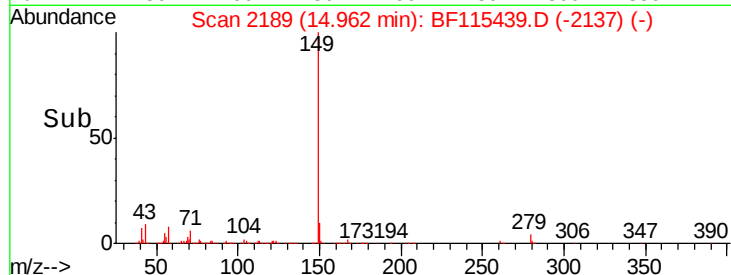
500000

0

14.96

14.90 15.00 15.10

Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 59.969 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

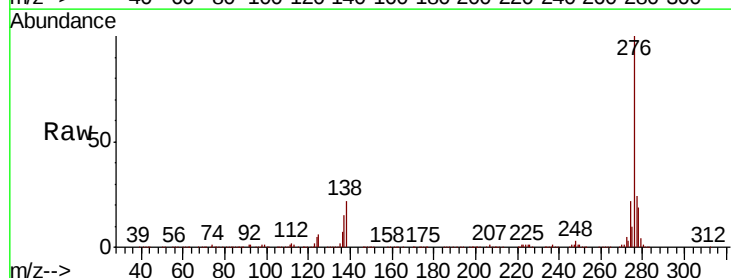
Tgt Ion:276 Resp: 1303221

Ion Ratio Lower Upper

276 100

138 25.9 20.8 31.2

277 25.5 20.2 30.4



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

600000

500000

400000

300000

200000

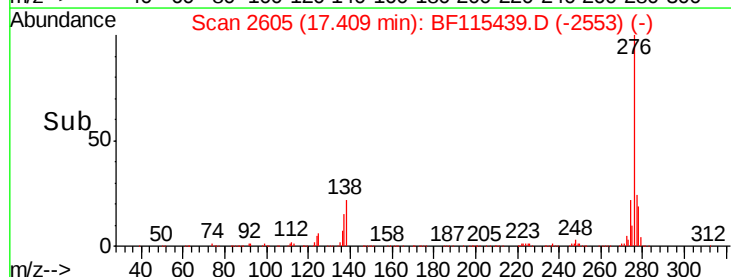
100000

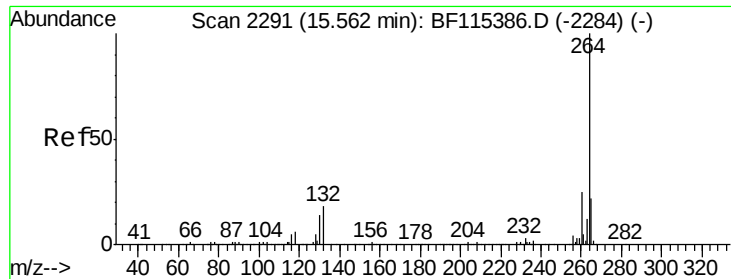
0

17.41

17.40 17.60

Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.89 min Scan# 2346

Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Instrument :

BNA_F

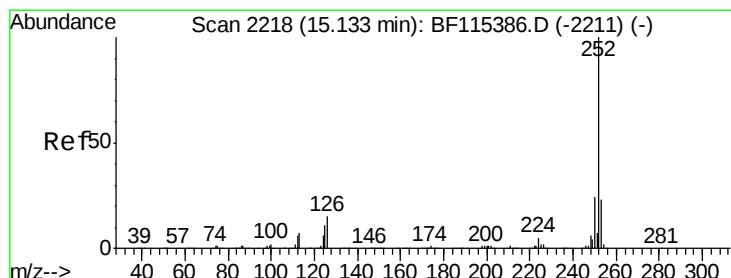
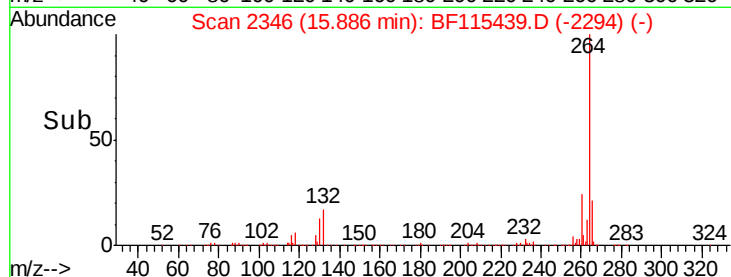
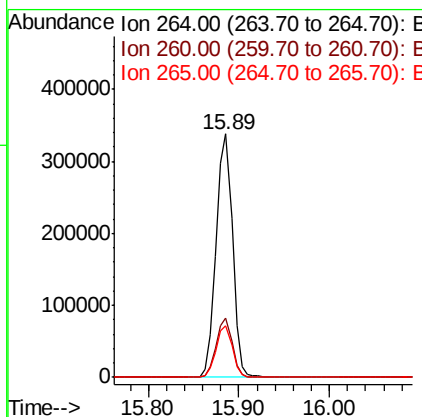
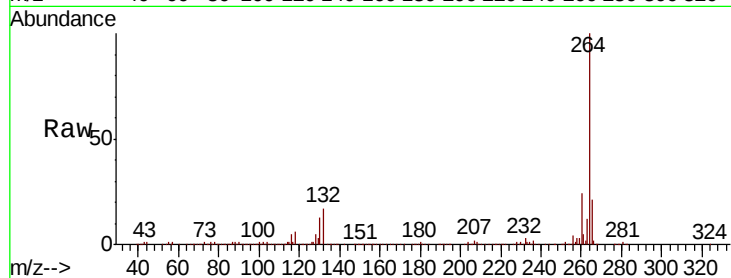
ClientSampleId :

72-12017-VNJ-206MSD

Tot Ion:	264	Resp:	423213
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.1	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 42.039 ng

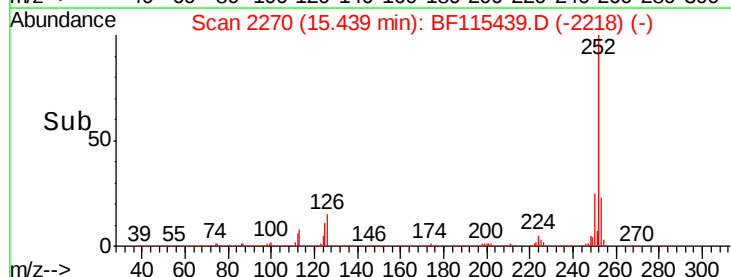
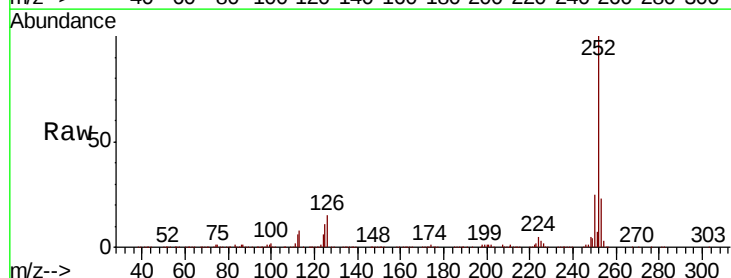
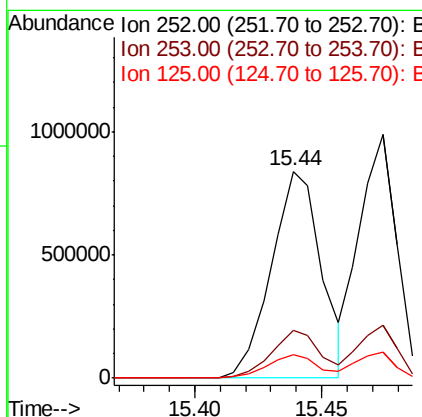
RT: 15.44 min Scan# 2270

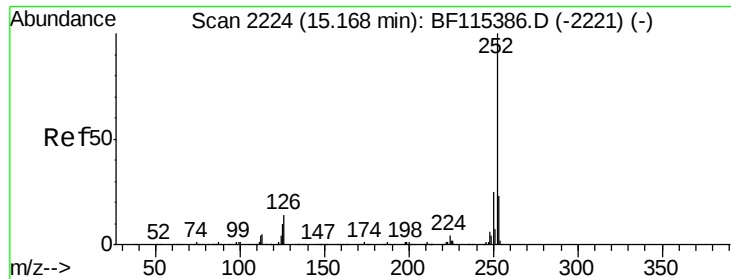
Delta R.T. 0.01 min

Lab File: BF115439.D

Acq: 9 Jul 2019 18:09

Tgt Ion:	252	Resp:	1158375
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.4	9.0	13.6





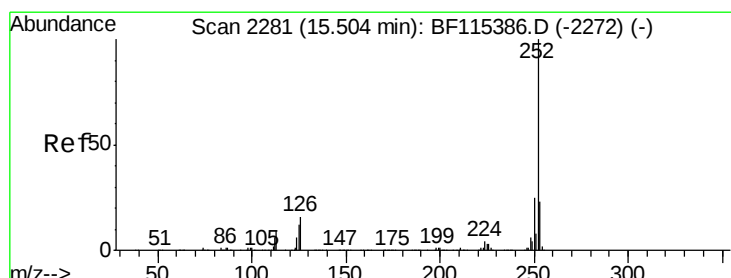
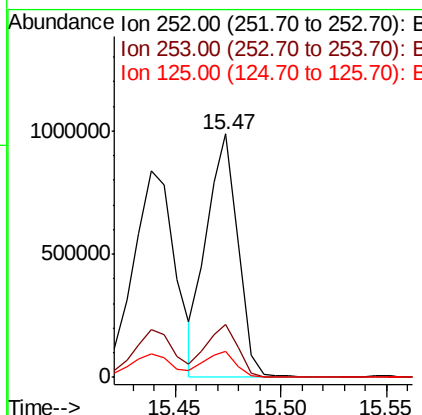
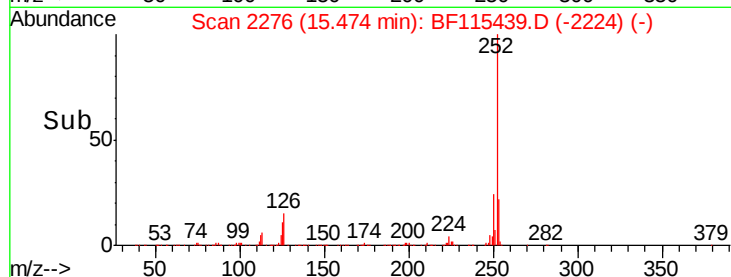
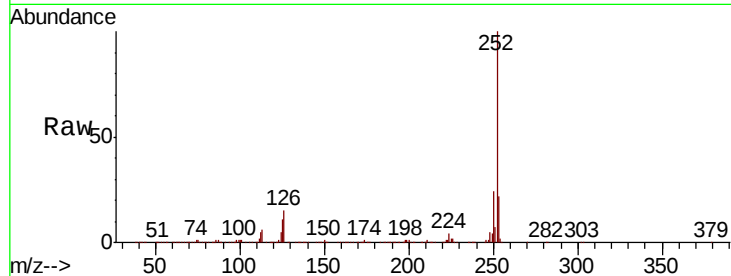
#89
Benzo(k)fluoranthene
Concen: 41.519 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.5	27.7
125	10.8	9.0	13.6

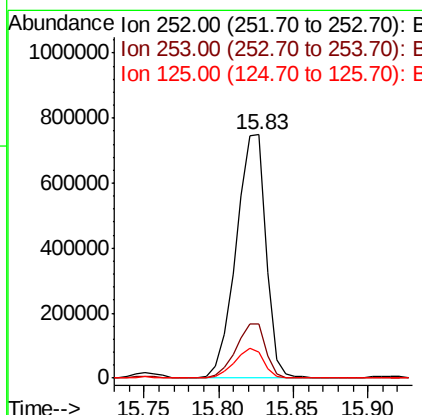
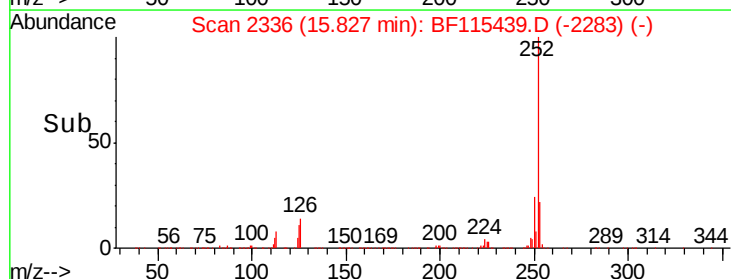
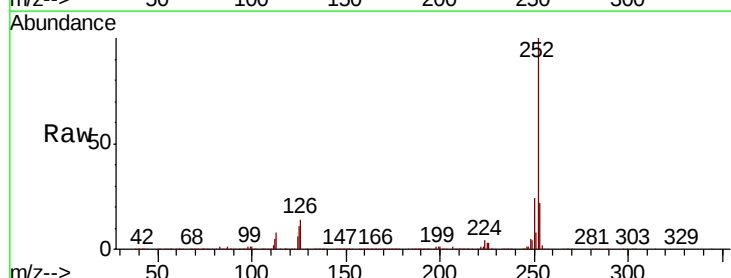
Manual Integrations
APPROVED

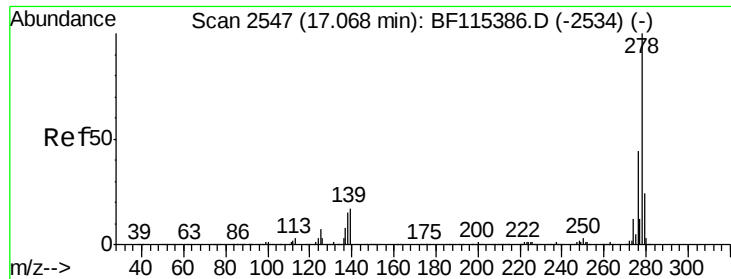
mohammad
7/10/2019 6:16:53 PM



#90
Benzo(a)pyrene
Concen: 43.951 ng
RT: 15.83 min Scan# 2336
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.9	10.0	15.0





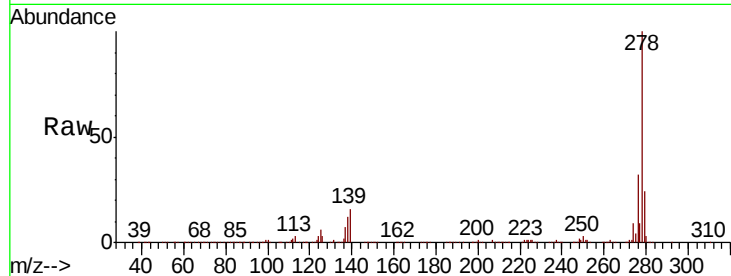
#91
Dibenzo(a,h)anthracene
Concen: 52.669 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
72-12017-VNJ-206MSD

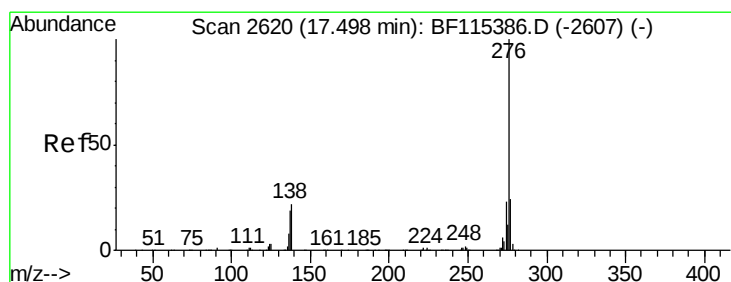
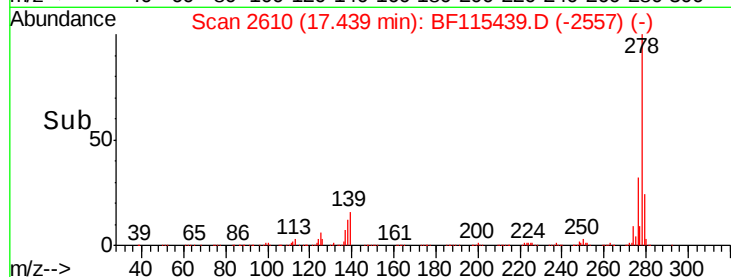
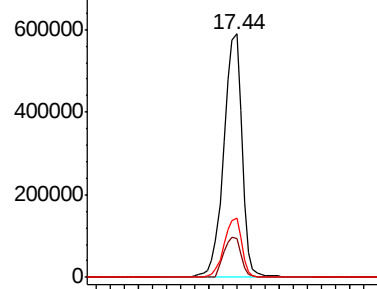
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.2	19.8
279	24.2	18.9	28.3

Manual Integrations
APPROVED

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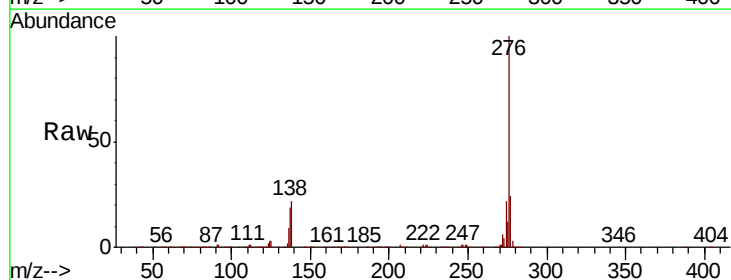


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 57.938 ng
RT: 17.87 min Scan# 2683
Delta R.T. 0.01 min
Lab File: BF115439.D
Acq: 9 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	22.1	17.8	26.8



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

