

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117413.D
 Acq On : 16 Oct 2019 15:06
 Operator : JU
 Sample : K5148-08MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Quant Time: Oct 17 00:59:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	42170	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	170487	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	89912	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	156083	20.00	ng	0.00
76) Chrysene-d12	13.96	240	131644	20.00	ng	0.00
87) Perylene-d12	15.41	264	127691	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	343703	125.40	ng	0.01
7) Phenol-d6	6.44	99	463236	127.39	ng	0.00
23) Nitrobenzene-d5	7.36	82	296796	88.25	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	111681	152.62	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	557632	90.42	ng	0.00
79) Terphenyl-d14	12.90	244	649554	80.43	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.61	88	41098	36.425	ng	# 86
3) Pyridine	3.37	79	80859	28.160	ng	96
4) n-Nitrosodimethylamine	3.25	42	43004	42.500	ng	95
6) Aniline	6.46	93	63025	13.874	ng	# 77
8) 2-Chlorophenol	6.59	128	129963	42.651	ng	100
9) Benzaldehyde	6.35	77	40923	18.624	ng	97
10) Phenol	6.45	94	153176	39.017	ng	84
11) bis(2-Chloroethyl)ether	6.53	93	126287	42.310	ng	100
12) 1,3-Dichlorobenzene	6.73	146	121085	35.534	ng	96
13) 1,4-Dichlorobenzene	6.81	146	125167	36.034	ng	97
14) 1,2-Dichlorobenzene	6.96	146	116905	35.632	ng	99
15) Benzyl Alcohol	6.95	79	116253	41.785	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.06	45	121697	38.829	ng	# 63
17) 2-Methylphenol	7.06	107	110887	43.591	ng	94
18) Hexachloroethane	7.30	117	46203	34.211	ng	97
19) n-Nitroso-di-n-propylamine	7.20	70	97217	41.929	ng	99
20) 3+4-Methylphenols	7.22	107	143265	43.740	ng	91
22) Acetophenone	7.20	105	192223	42.967	ng	# 94
24) Nitrobenzene	7.37	77	144551	42.905	ng	99
25) Isophorone	7.62	82	274612	45.835	ng	100
26) 2-Nitrophenol	7.69	139	67954	45.461	ng	93
27) 2,4-Dimethylphenol	7.73	122	112674	49.597	ng	96
28) bis(2-Chloroethoxy)methane	7.82	93	160857	43.309	ng	98
29) 2,4-Dichlorophenol	7.95	162	108657	46.353	ng	99
30) 1,2,4-Trichlorobenzene	8.02	180	103342	40.895	ng	99
31) Naphthalene	8.09	128	370268	43.488	ng	99
32) Benzoic acid	7.90	122	64660	42.888	ng	87
33) 4-Chloroaniline	8.16	127	47411	13.112	ng	99
34) Hexachlorobutadiene	8.21	225	55523	38.363	ng	98
35) Caprolactam	8.53	113	18816	25.632	ng	90
36) 4-Chloro-3-methylphenol	8.65	107	129441	48.529	ng	97
37) 2-Methylnaphthalene	8.79	142	258330	44.932	ng	97
38) 1-Methylnaphthalene	8.89	142	242748	44.813	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	101754	42.050	ng	97

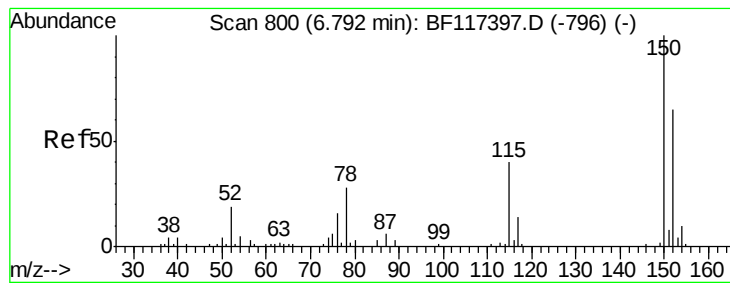
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.94	237	49286	109.071	nq	93
43) 2,4,6-Trichlorophenol	9.07	196	70686	46.158	nq	98
44) 2,4,5-Trichlorophenol	9.13	196	76553	49.007	nq	96
46) 1,1'-Biphenyl	9.25	154	317072	43.167	nq	99
47) 2-Chloronaphthalene	9.27	162	244483	42.697	nq	99
48) 2-Nitroaniline	9.38	65	80646	44.143	nq	93
49) Acenaphthylene	9.69	152	392307	46.736	nq	100
50) Dimethylphthalate	9.55	163	296132	45.860	nq	99
51) 2,6-Dinitrotoluene	9.62	165	66439	48.951	nq	# 88
52) Acenaphthene	9.86	154	228011	44.703	nq	99
53) 3-Nitroaniline	9.79	138	46255	27.908	nq	91
54) 2,4-Dinitrophenol	9.92	184	55440	94.463	nq	94
55) Dibenzofuran	10.03	168	343688	46.192	nq	99
56) 4-Nitrophenol	9.97	139	73500	97.136	nq	84
57) 2,4-Dinitrotoluene	10.03	165	87892	49.077	nq	97
58) Fluorene	10.37	166	291769	47.096	nq	97
59) 2,3,4,6-Tetrachlorophenol	10.16	232	59661	49.405	nq	96
60) Diethylphthalate	10.25	149	310831	47.754	nq	99
61) 4-Chlorophenyl-phenylether	10.36	204	125012	45.577	nq	91
62) 4-Nitroaniline	10.41	138	70148	44.524	nq	96
63) Azobenzene	10.53	77	316425	47.379	nq	97
65) 4,6-Dinitro-2-methylphenol	10.45	198	41436	49.532	nq	95
66) n-Nitrosodiphenylamine	10.49	169	252505	43.305	nq	99
67) 4-Bromophenyl-phenylether	10.85	248	73018	42.651	nq	93
68) Hexachlorobenzene	10.93	284	75044	40.817	nq	91
69) Atrazine	11.02	200	70632	74.705	nq	99
70) Pentachlorophenol	11.13	266	65639	119.336	nq	92
71) Phenanthrene	11.34	178	417984	45.301	nq	99
72) Anthracene	11.39	178	435439	45.716	nq	99
73) Carbazole	11.55	167	415880	48.067	nq	98
74) Di-n-butylphthalate	11.87	149	540631	46.145	nq	100
75) Fluoranthene	12.53	202	449092	48.949	nq	97
77) Benzidine	12.66	184	10019	3.077	nq	# 93
78) Pyrene	12.76	202	459406	39.480	nq	99
80) Butylbenzylphthalate	13.36	149	242504	41.444	nq	95
81) Benzo(a)anthracene	13.95	228	392364	43.439	nq	98
82) 3,3'-Dichlorobenzidine	13.90	252	86960	30.450	nq	94
83) Chrysene	13.99	228	387231	43.472	nq	98
84) Bis(2-ethylhexyl)phthalate	13.92	149	353528	42.850	nq	98
85) Di-n-octyl phthalate	14.53	149	606744	48.306	nq	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	304368	48.867	nq	99
88) Benzo(b)fluoranthene	15.00	252	366522	46.107	nq	99
89) Benzo(k)fluoranthene	15.02	252	324941	41.131	nq	97
90) Benzo(a)pyrene	15.36	252	320355	45.510	nq	98
91) Dibenzo(a,h)anthracene	16.87	278	265475	44.012	nq	99
92) Benzo(g,h,i)perylene	17.30	276	239781	41.762	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

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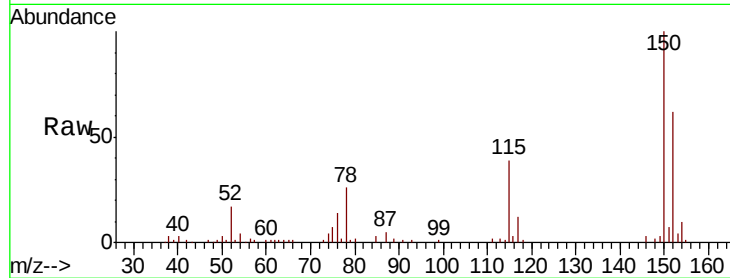
Tot Ion:152 Resp: 42170

Ion Ratio Lower Upper

152 100

150 161.9 122.7 184.1

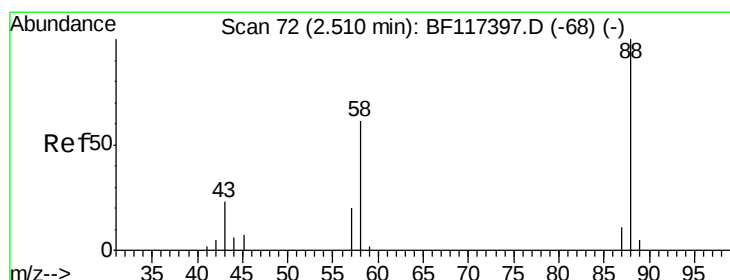
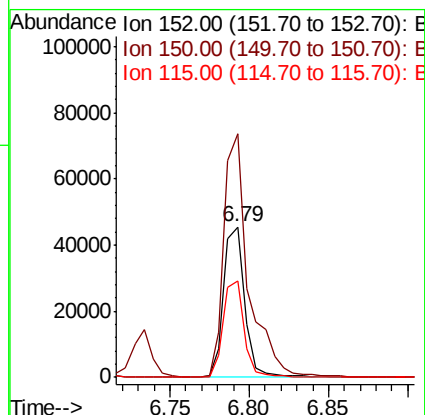
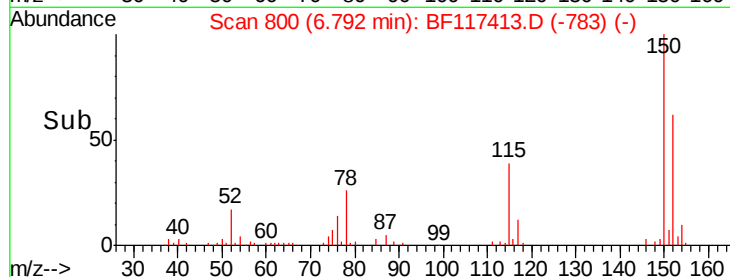
115 63.8 48.6 73.0



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: 36.425 ng

RT: 2.61 min Scan# 89

Delta R.T. 0.10 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

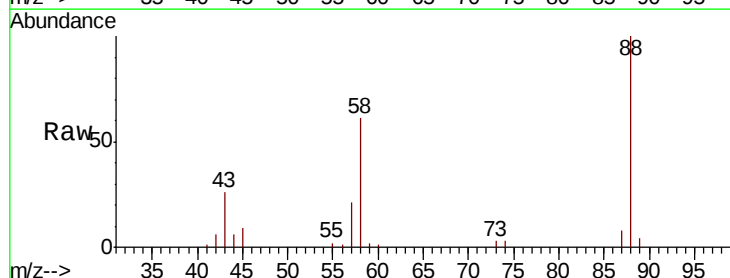
Tgt Ion: 88 Resp: 41098

Ion Ratio Lower Upper

88 100

58 63.8 49.4 74.2

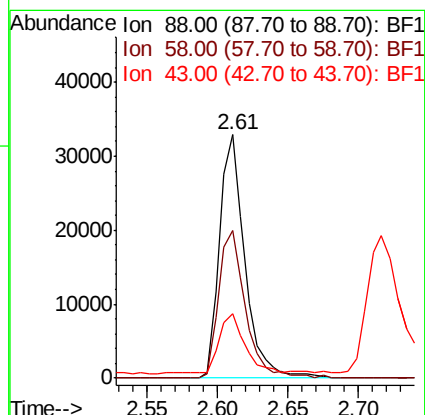
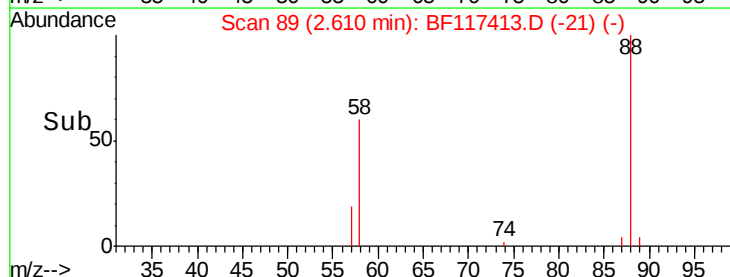
43 0.0 18.1 27.1#

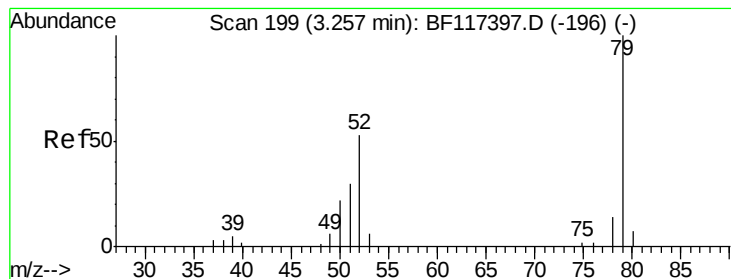


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 28.160 ng

RT: 3.37 min Scan# 218

Delta R.T. 0.11 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

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OR-03-101119MSD

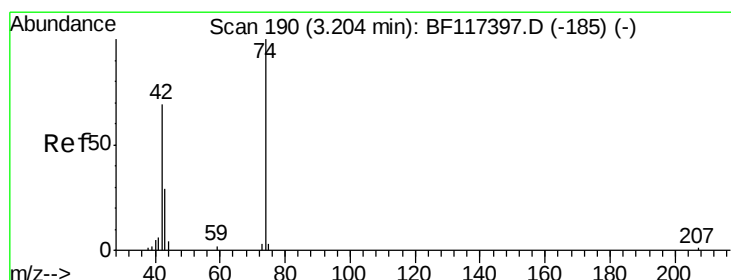
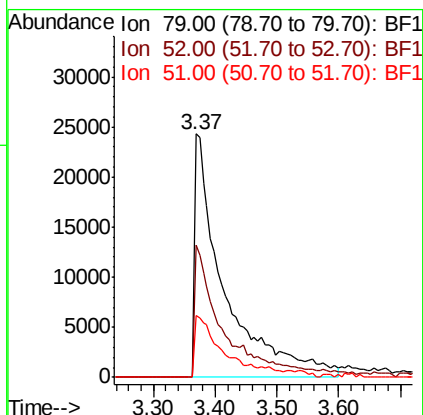
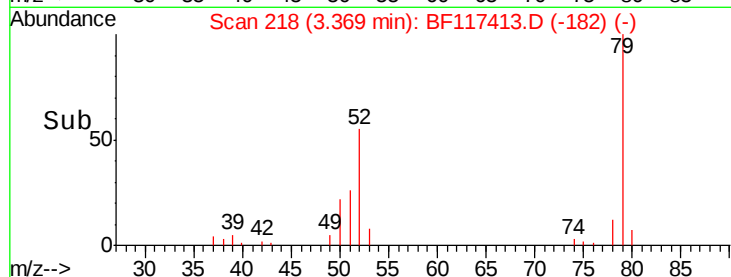
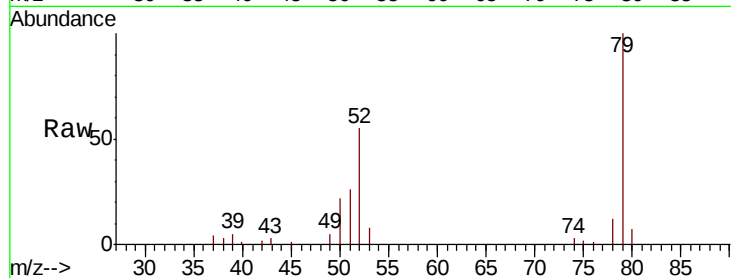
Tot Ion: 79 Resp: 80859

Ion Ratio Lower Upper

79 100

52 54.5 42.7 64.1

51 25.6 23.8 35.8



#4

n-Nitrosodimethylamine

Concen: 42.500 ng

RT: 3.25 min Scan# 198

Delta R.T. 0.05 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

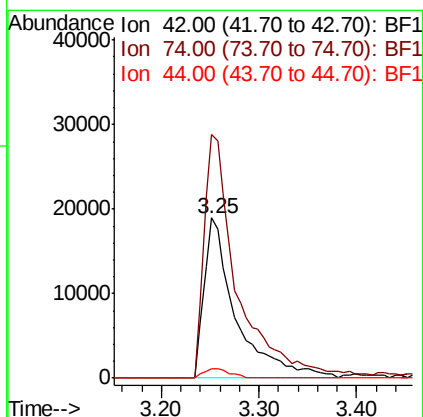
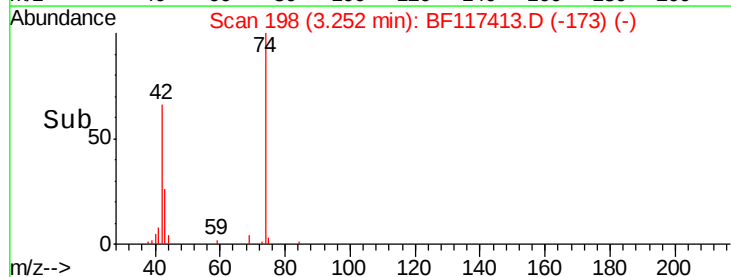
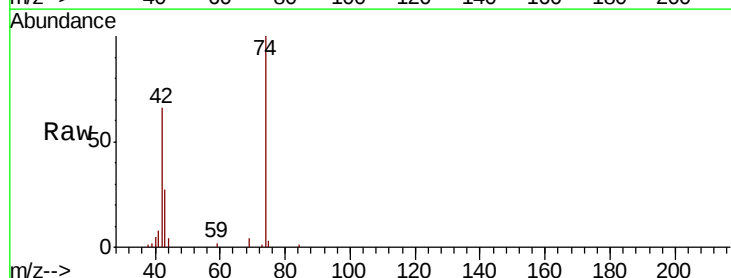
Tgt Ion: 42 Resp: 43004

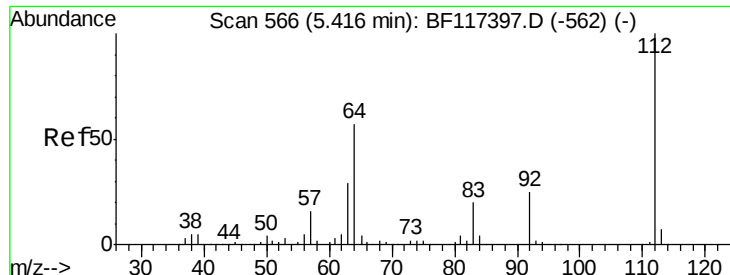
Ion Ratio Lower Upper

42 100

74 151.9 116.2 174.4

44 6.1 4.2 6.4





#5

2-Fluorophenol

Concen: 125.405 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

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ClientSampleId :

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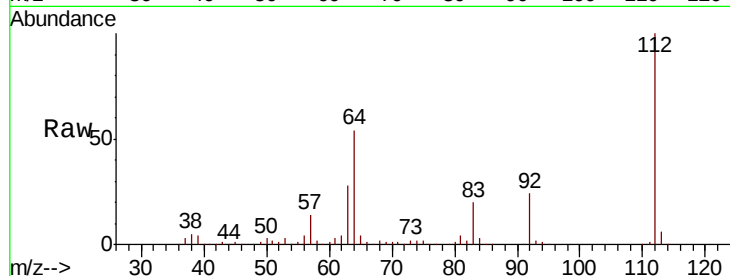
Tot Ion: 112 Resp: 343703

Ion Ratio Lower Upper

112 100

64 54.0 45.2 67.8

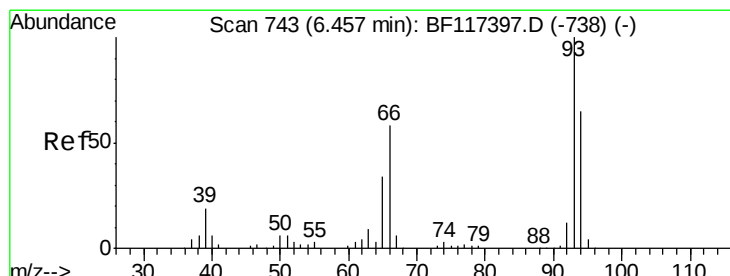
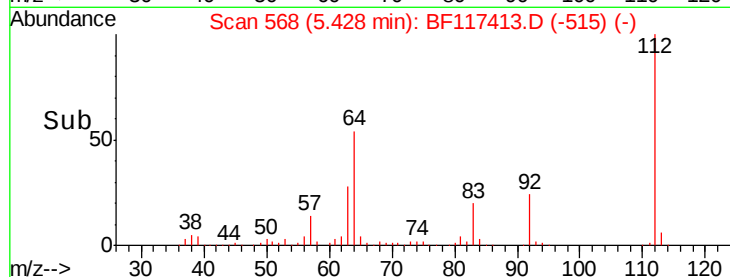
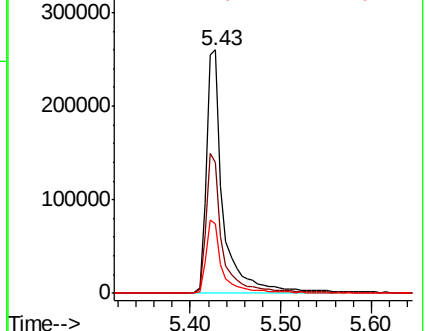
63 28.3 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 13.874 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

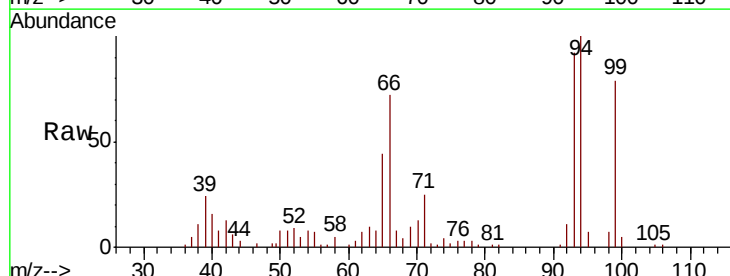
Tgt Ion: 93 Resp: 63025

Ion Ratio Lower Upper

93 100

66 78.3 48.4 72.6#

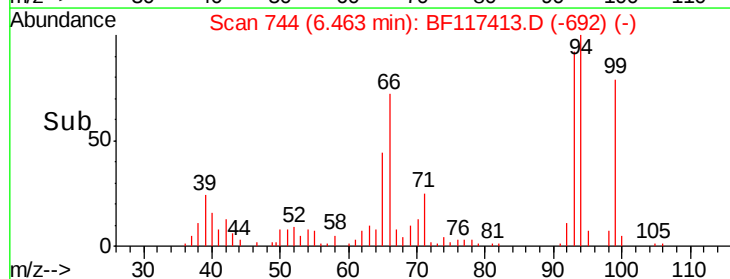
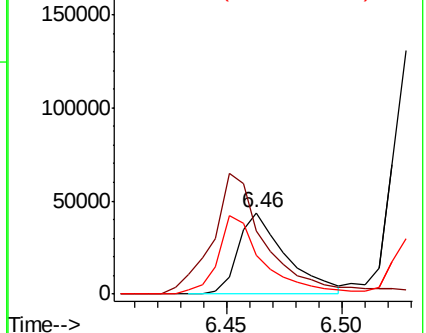
65 48.3 27.8 41.6#

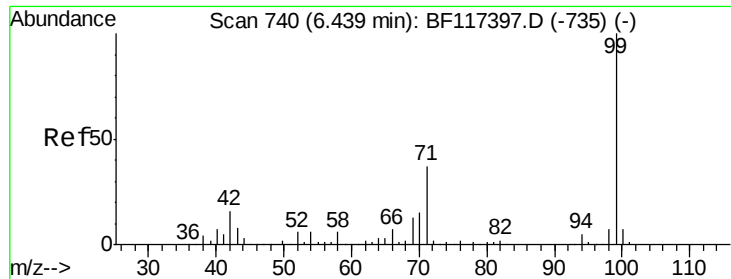


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 127.387 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117413.D

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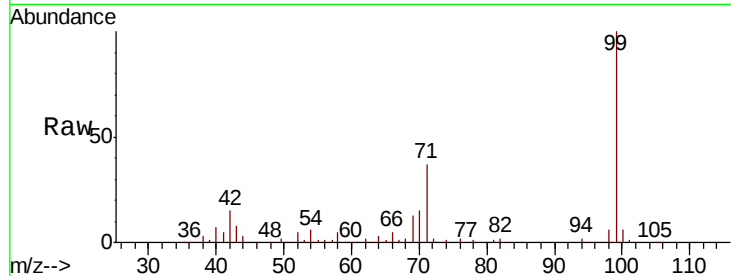
Tot Ion: 99 Resp: 463236

Ion Ratio Lower Upper

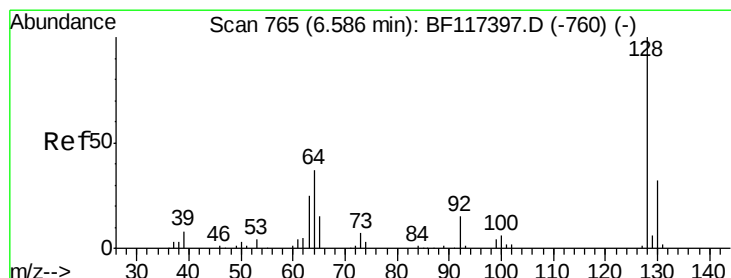
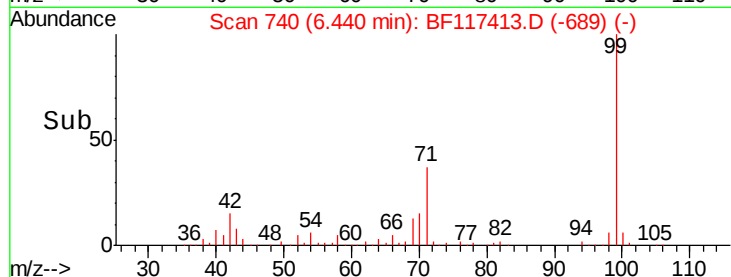
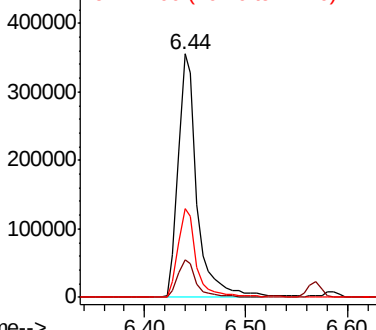
99 100

42 15.3 12.5 18.7

71 36.7 29.2 43.8



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: 42.651 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

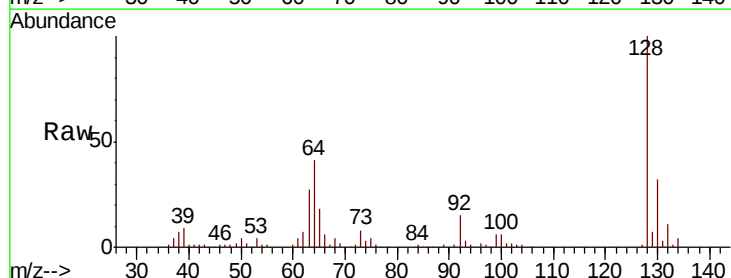
Tgt Ion: 128 Resp: 129963

Ion Ratio Lower Upper

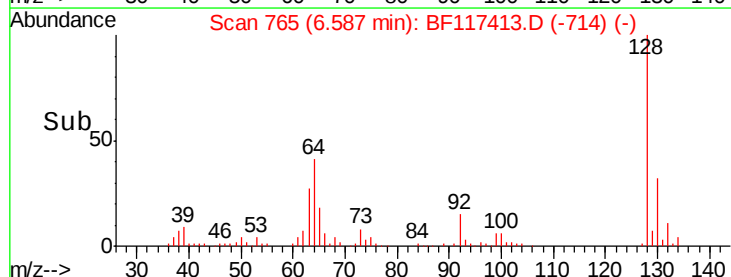
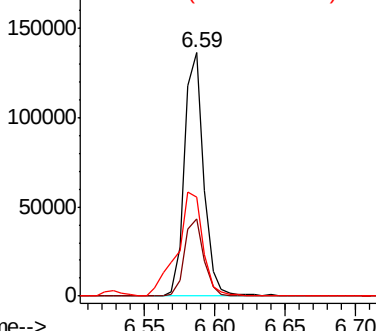
128 100

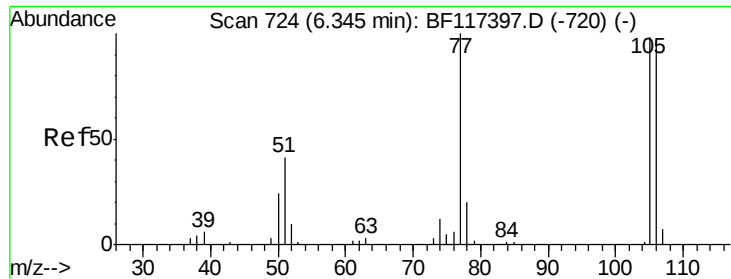
130 32.0 11.7 51.7

64 40.7 20.4 60.4



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

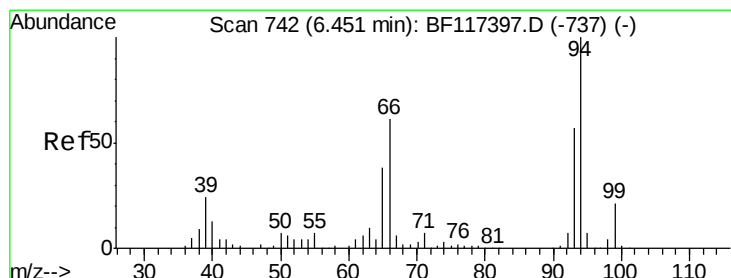
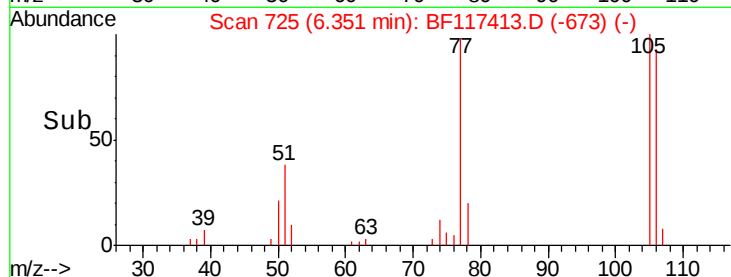
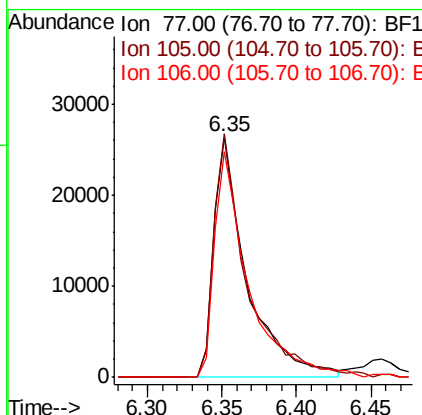
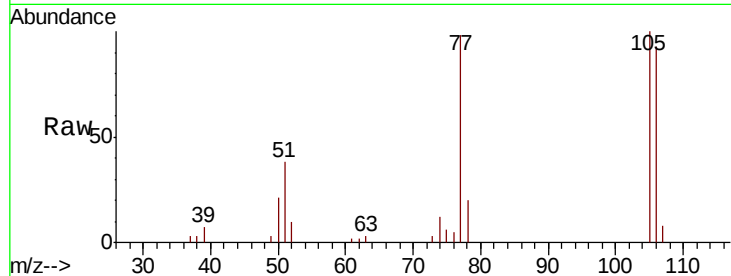




#9
Benzaldehyde
Concen: 18.624 ng
RT: 6.35 min Scan# 725
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

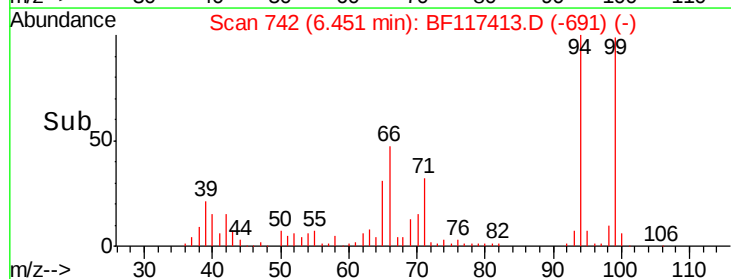
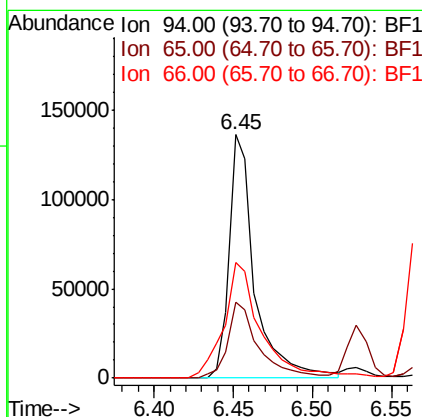
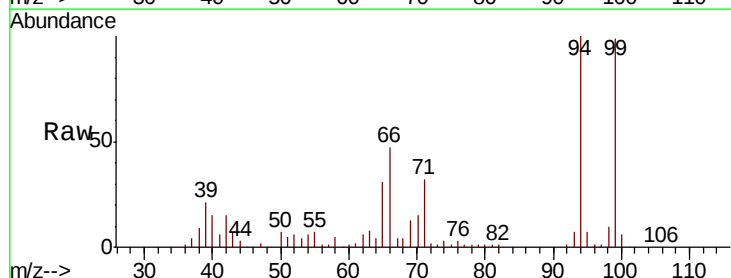
Instrument :
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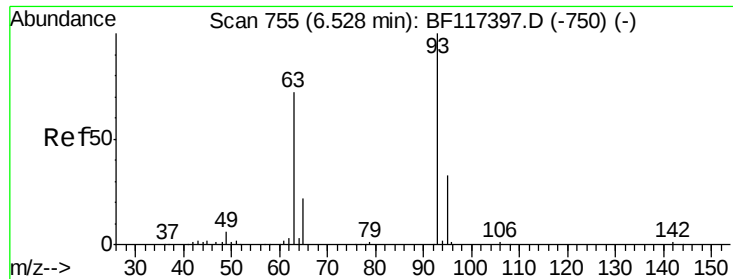
Tot Ion: 77 Resp: 40923
Ion Ratio Lower Upper
77 100
105 101.5 77.9 117.9
106 94.2 77.2 117.2



#10
Phenol
Concen: 39.017 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion: 94 Resp: 153176
Ion Ratio Lower Upper
94 100
65 31.0 18.2 58.2
66 47.3 41.1 81.1

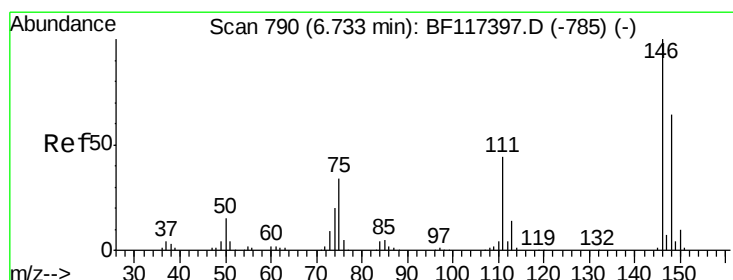
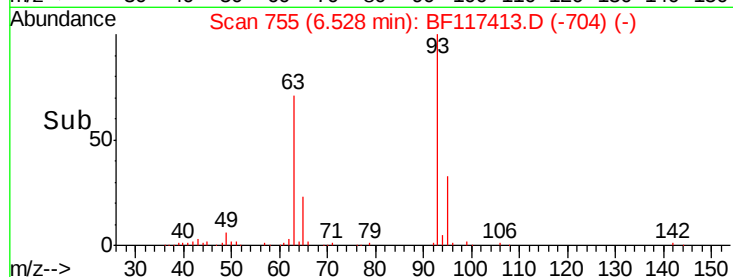
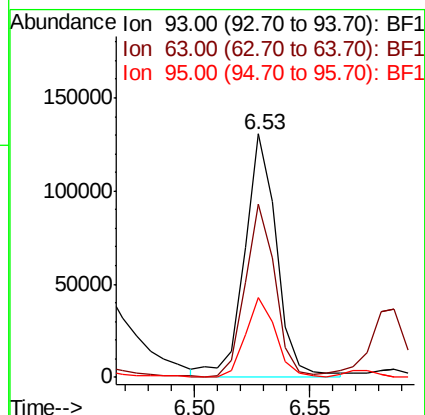
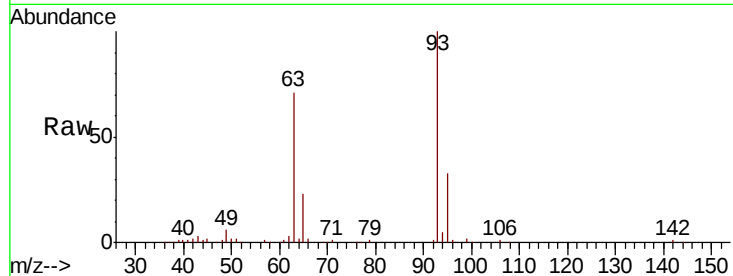




#11
bis(2-Chloroethyl)ether
Concen: 42.310 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

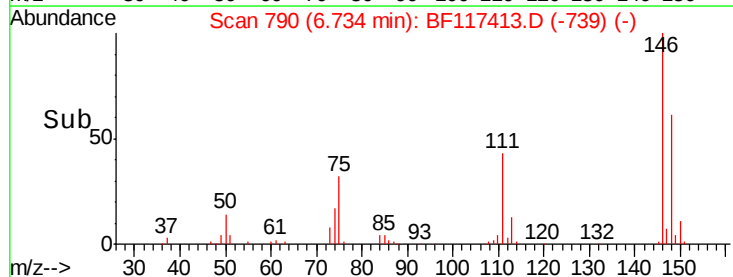
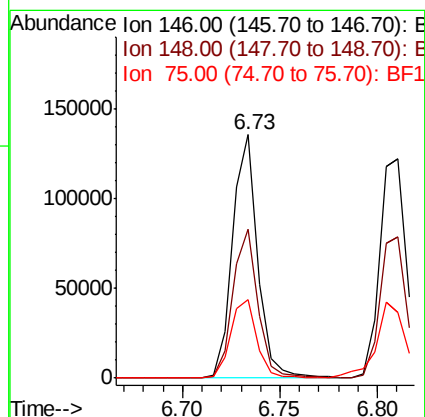
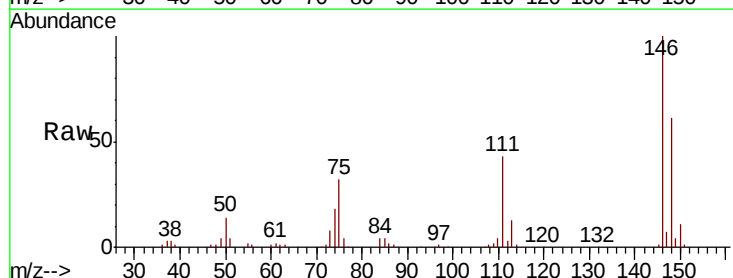
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

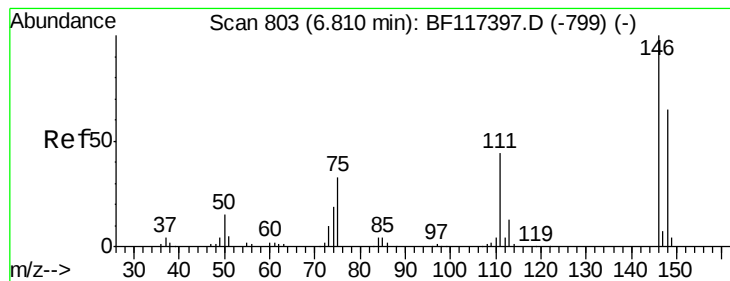
Tot Ion	93	Resp	126287
Ion Ratio	Lower	Upper	
93	100		
63	70.9	50.9	90.9
95	32.8	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 35.534 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	146	Resp	121085
Ion Ratio	Lower	Upper	
146	100		
148	61.1	51.0	76.6
75	32.1	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 36.034 ng

RT: 6.81 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

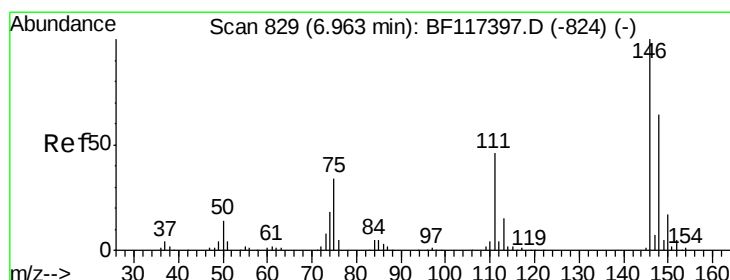
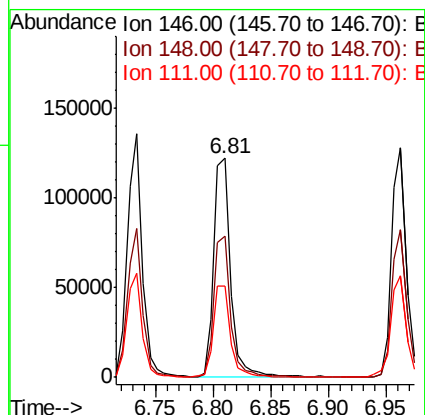
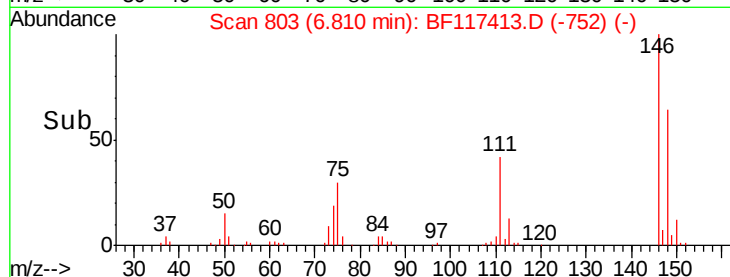
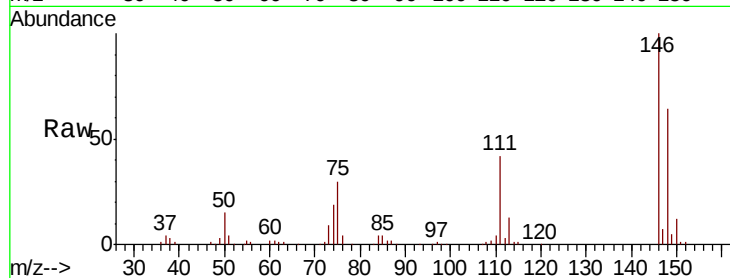
Tot Ion:146 Resp: 125167

Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

111 41.5 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 35.632 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

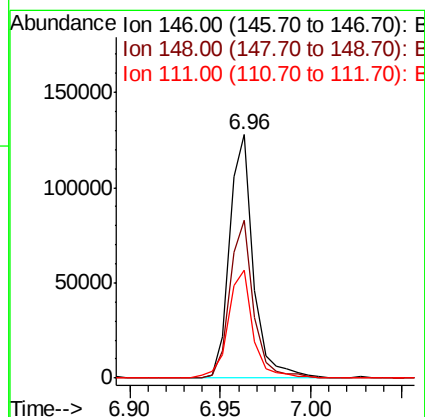
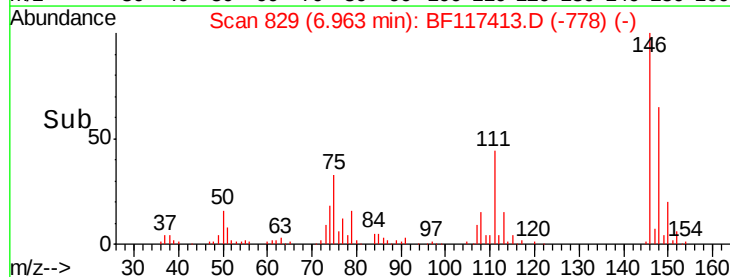
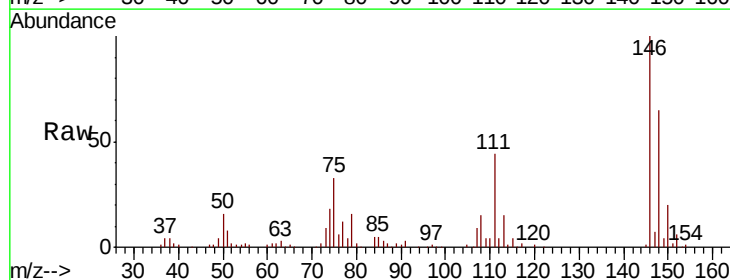
Tgt Ion:146 Resp: 116905

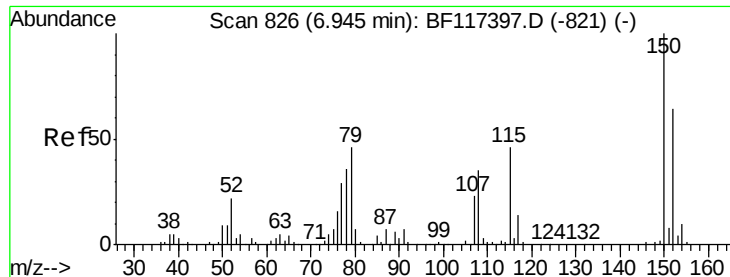
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

111 44.4 36.5 54.7

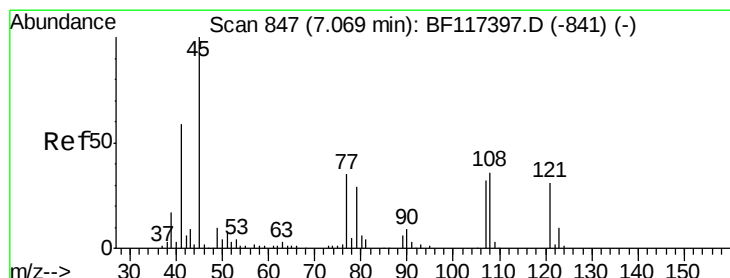
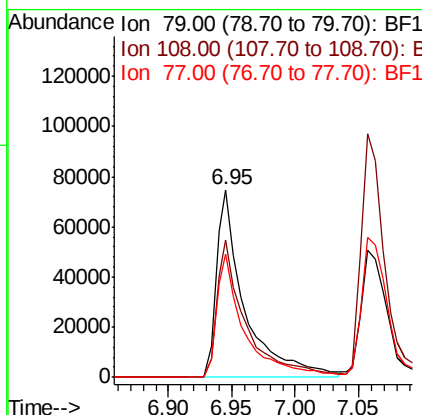
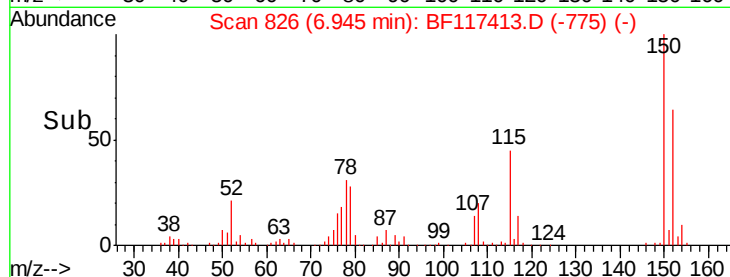
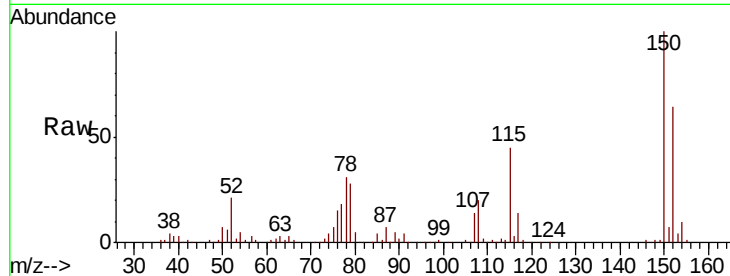




#15
Benzyl Alcohol
Concen: 41.785 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

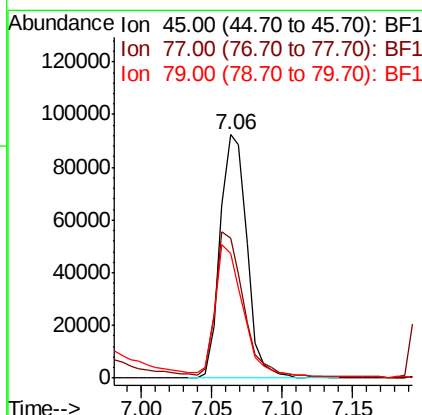
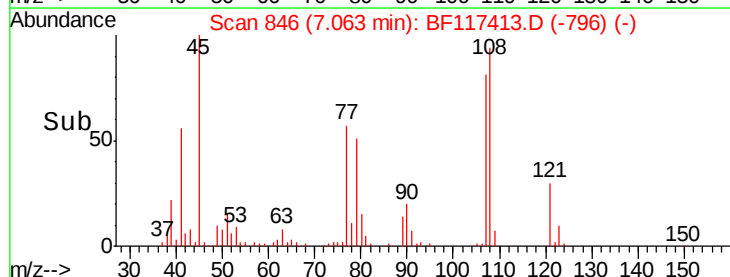
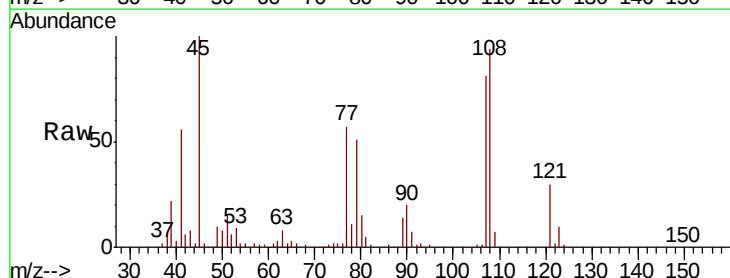
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

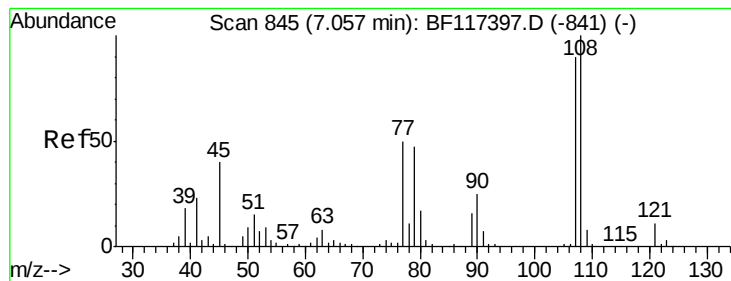
Tot Ion: 79 Resp: 116253
Ion Ratio Lower Upper
79 100
108 73.1 60.4 90.6
77 65.6 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.829 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion: 45 Resp: 121697
Ion Ratio Lower Upper
45 100
77 57.3 15.9 55.9#
79 51.2 10.7 50.7#





#17

2-Methylphenol

Concen: 43.591 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

Tot Ion:107 Resp: 110887

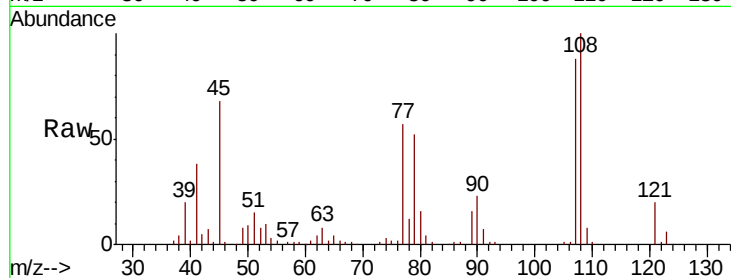
Ion Ratio Lower Upper

107 100

108 113.0 89.4 134.2

77 64.8 45.1 67.7

79 59.1 42.3 63.5



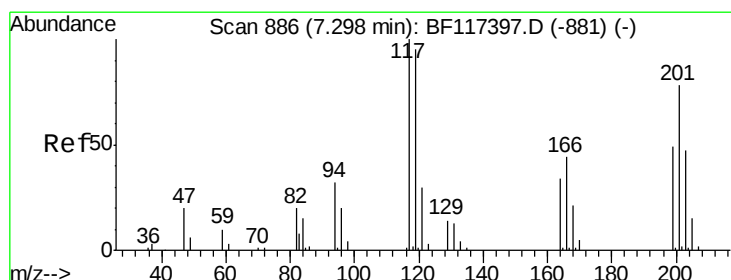
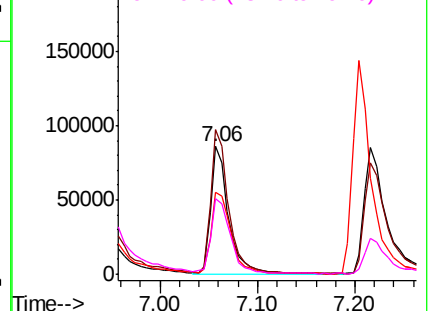
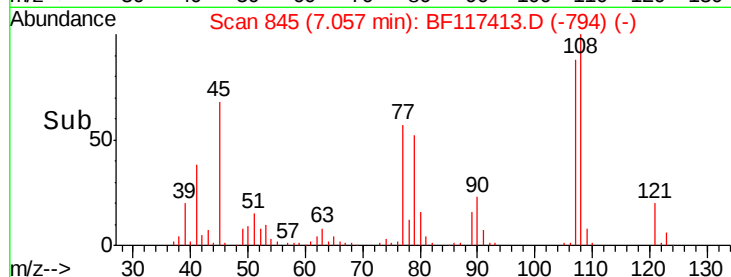
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 34.211 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

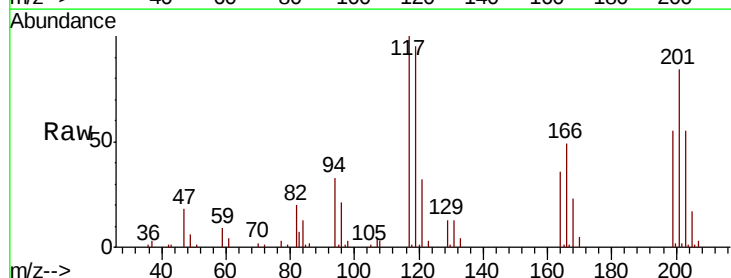
Tgt Ion:117 Resp: 46203

Ion Ratio Lower Upper

117 100

119 94.8 75.7 113.5

201 84.0 62.2 93.4

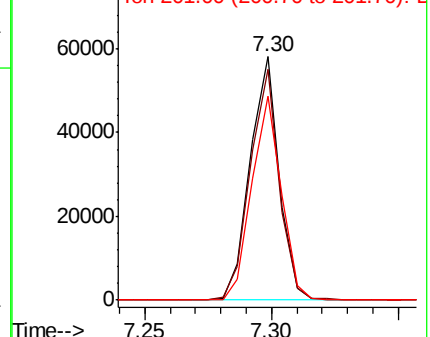
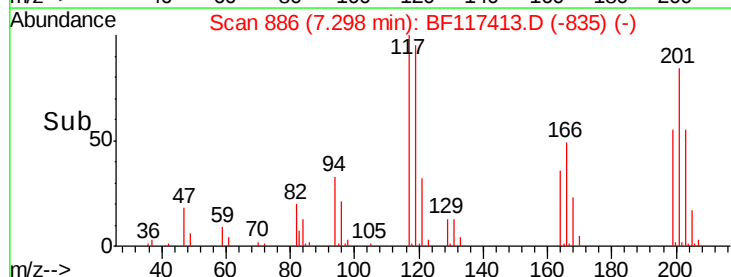


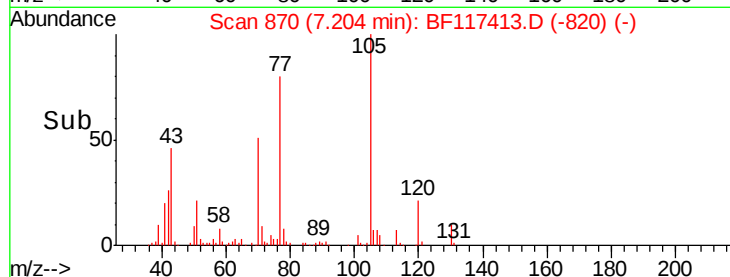
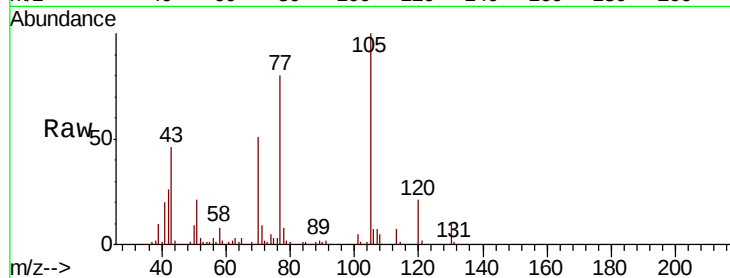
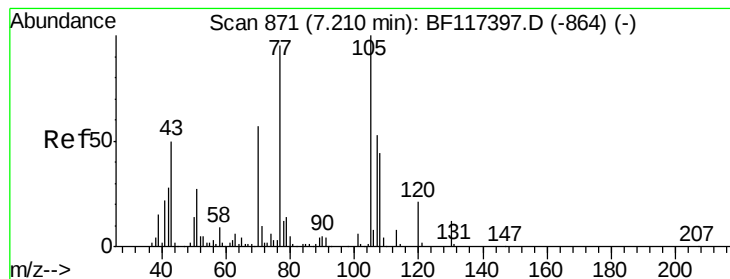
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 41.929 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

Tot Ion: 70 Resp: 97217

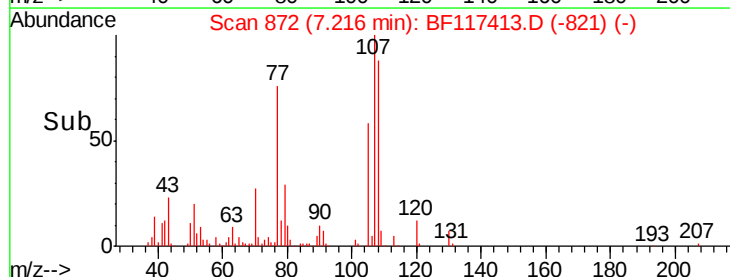
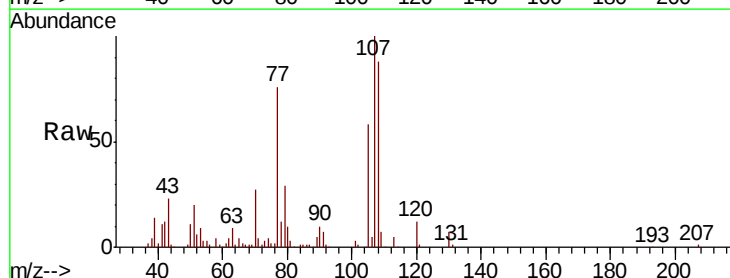
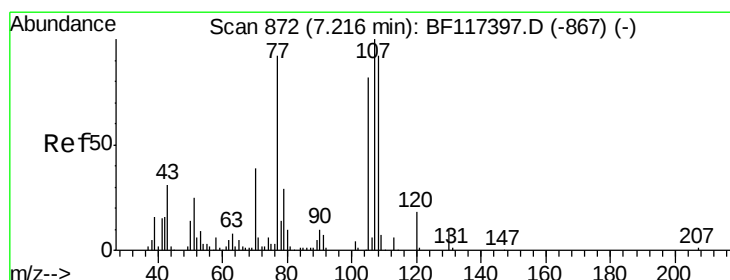
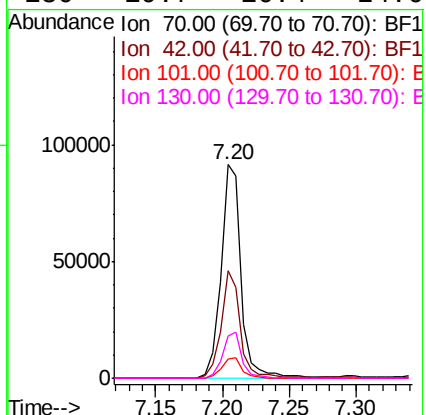
Ion Ratio Lower Upper

70 100

42 50.2 39.8 59.8

101 9.0 8.1 12.1

130 19.7 16.4 24.6



#20

3+4-Methylphenols

Concen: 43.740 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Tgt Ion: 107 Resp: 143265

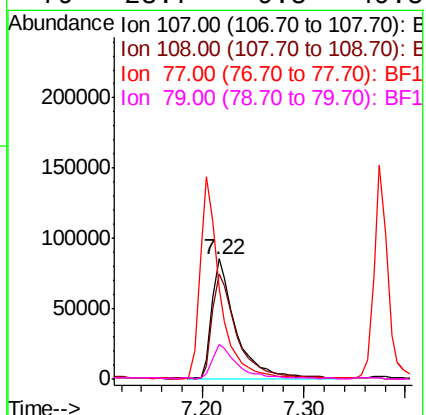
Ion Ratio Lower Upper

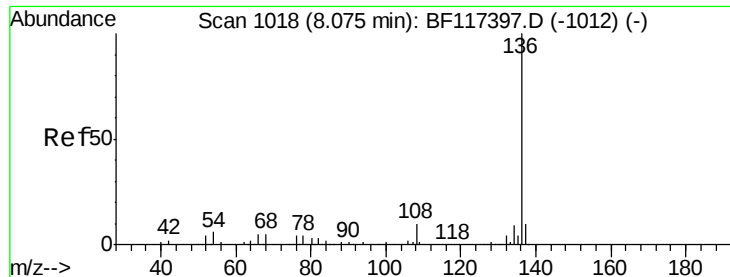
107 100

108 87.7 71.8 111.8

77 76.3 72.7 112.7

79 28.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-10119MSD

Tot Ion:136 Resp: 170487

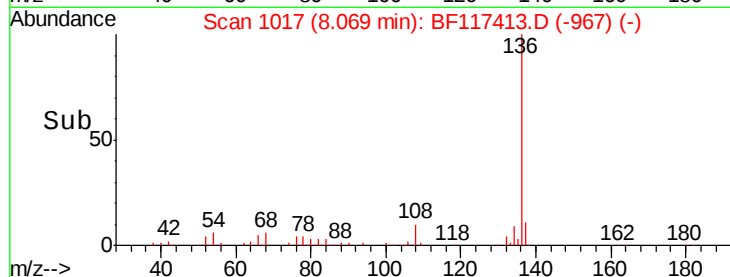
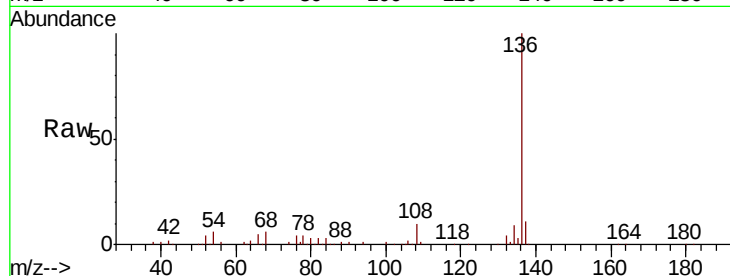
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 6.5 4.6 6.8

68 5.5 3.8 5.8

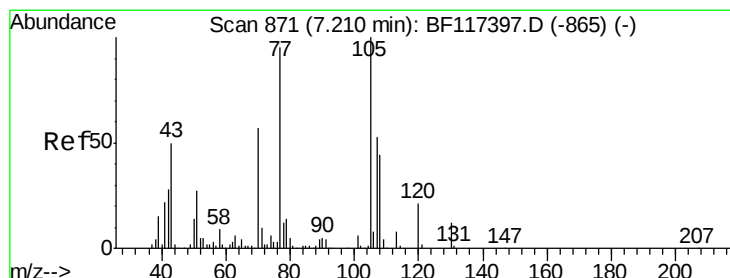
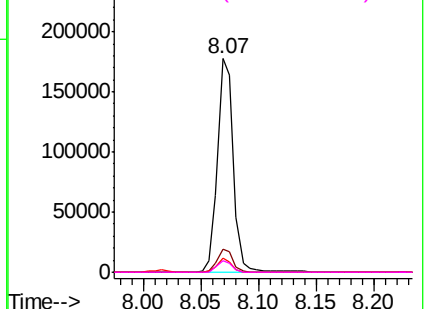


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.967 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Tgt Ion:105 Resp: 192223

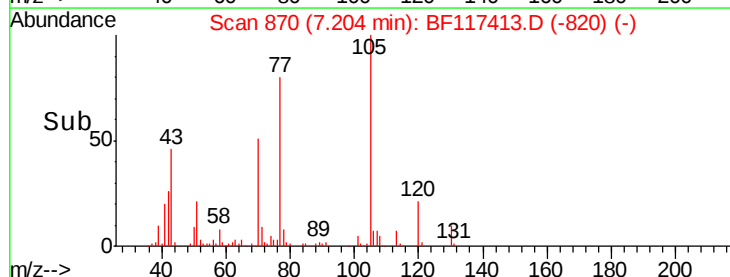
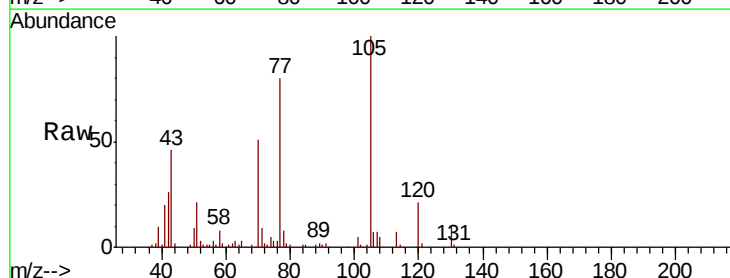
Ion Ratio Lower Upper

105 100

71 8.6 7.8 11.6

51 21.3 21.5 32.3#

120 21.0 16.7 25.1

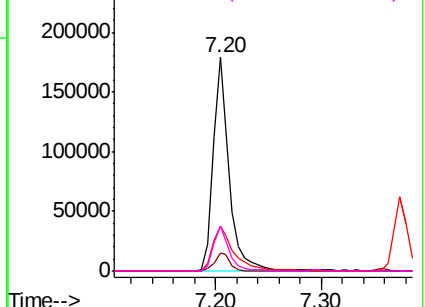


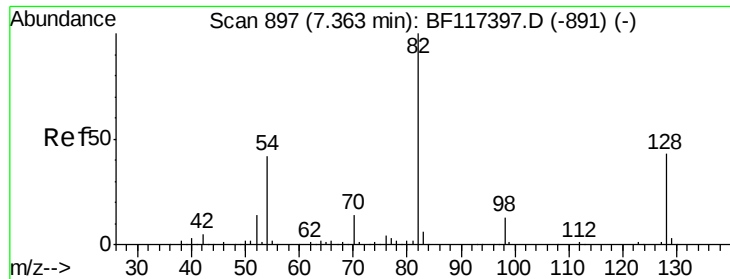
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

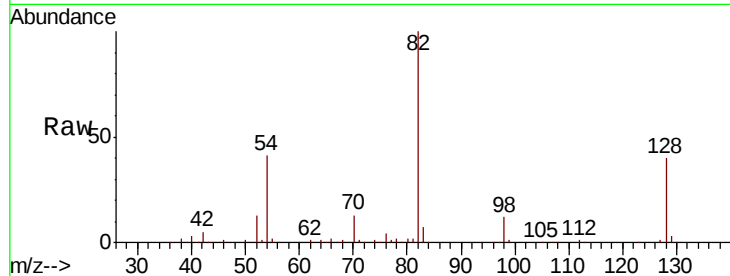




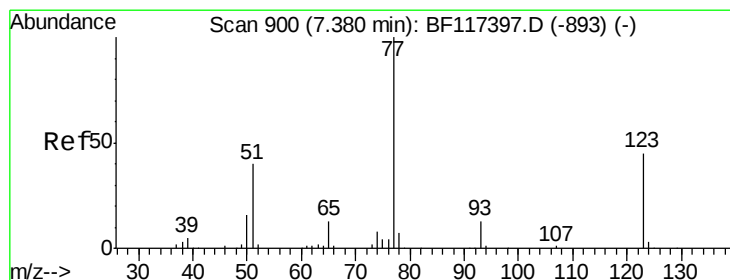
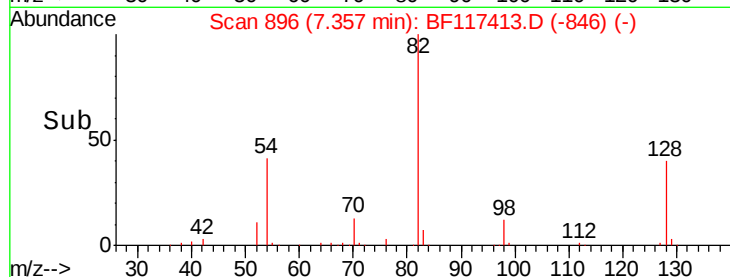
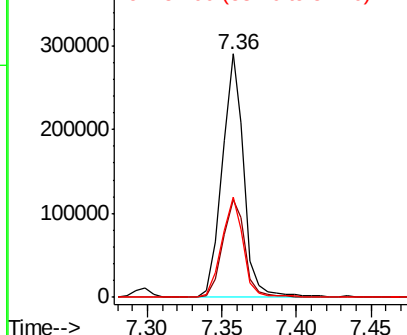
#23
Nitrobenzene-d5
Concen: 88.246 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	82	Resp	296796
Ion Ratio	100	Lower	Upper
128	40.2	34.1	51.1
54	41.4	33.3	49.9

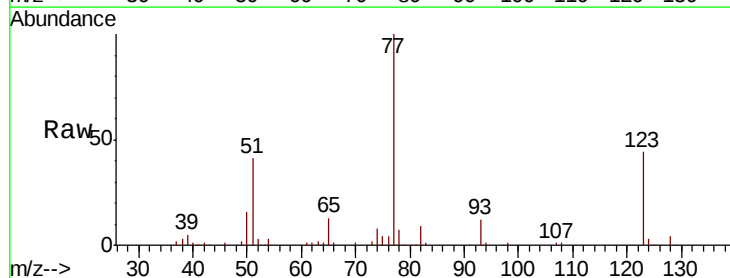


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

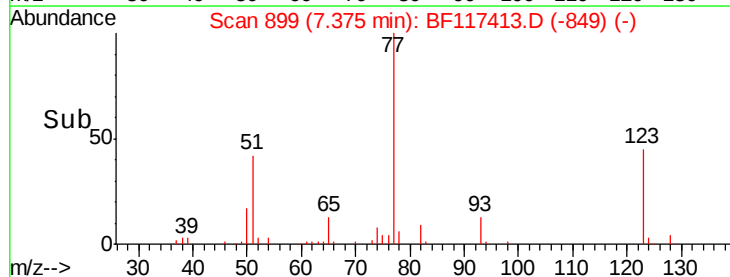
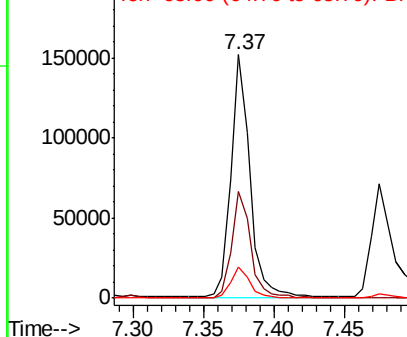


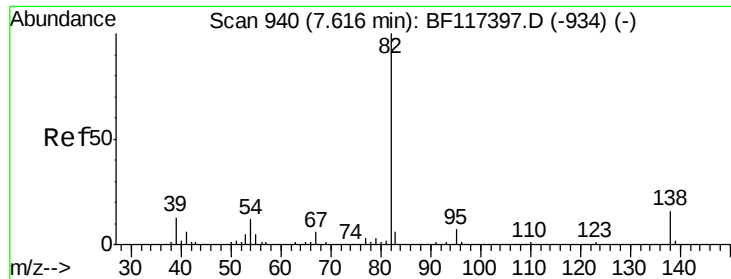
#24
Nitrobenzene
Concen: 42.905 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	77	Resp	144551
Ion Ratio	100	Lower	Upper
123	43.7	35.8	53.8
65	12.6	10.1	15.1



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





#25

Isophorone

Concen: 45.835 ng

RT: 7.62 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

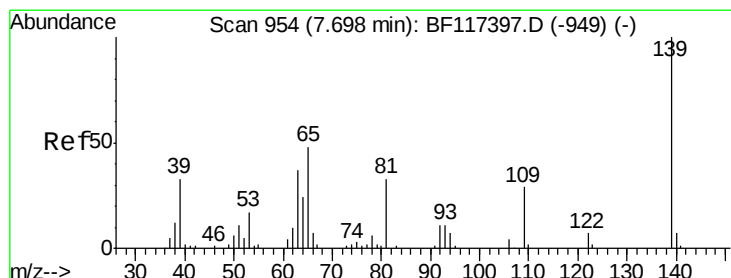
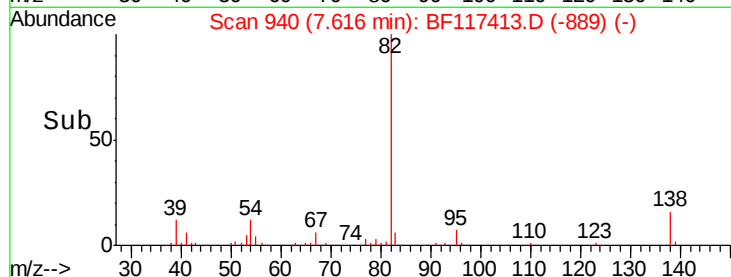
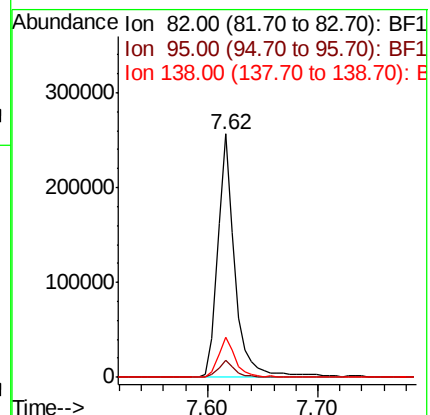
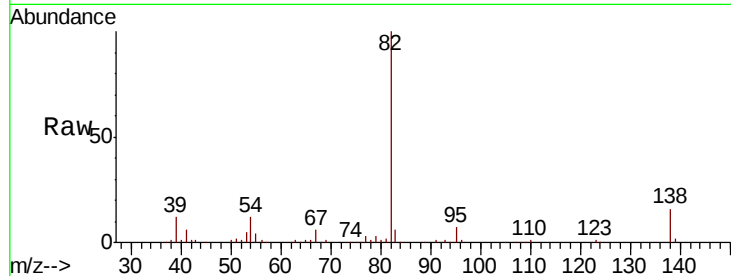
Tot Ion: 82 Resp: 274612

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

138 16.4 13.0 19.4



#26

2-Nitrophenol

Concen: 45.461 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

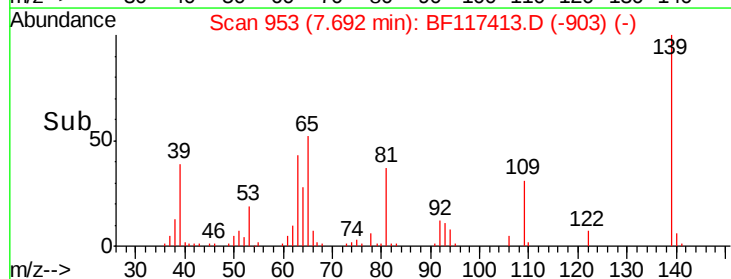
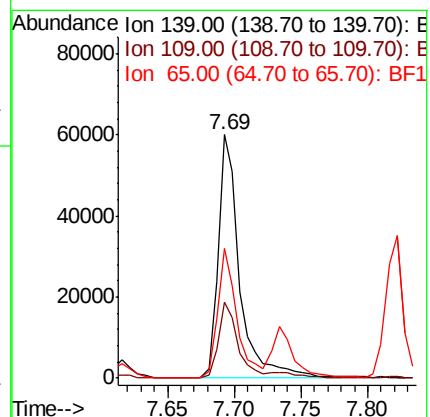
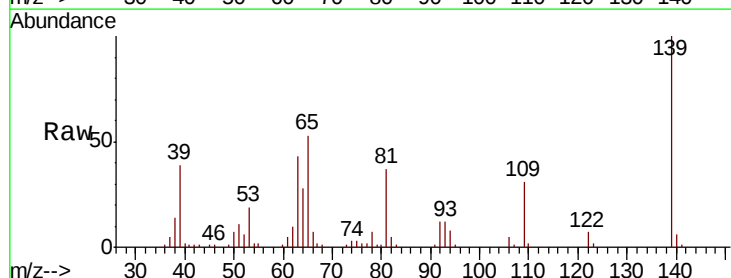
Tgt Ion: 139 Resp: 67954

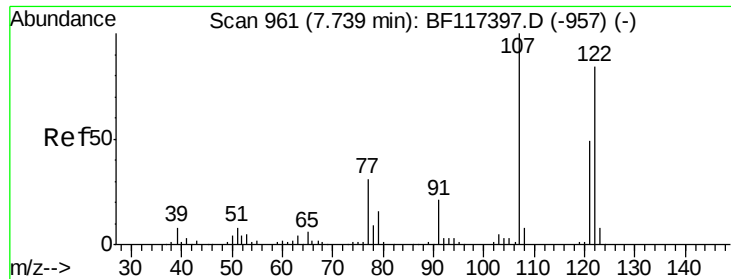
Ion Ratio Lower Upper

139 100

109 31.2 23.1 34.7

65 53.1 38.2 57.4

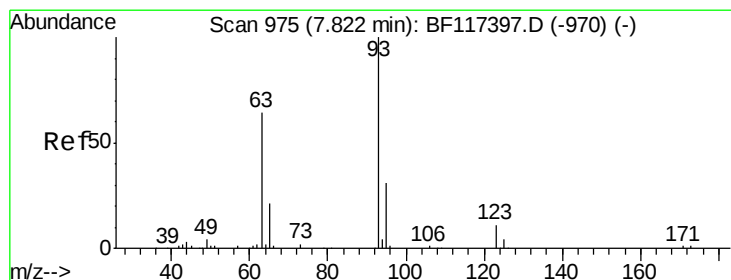
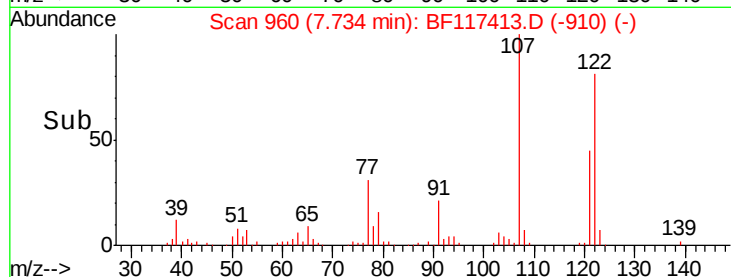
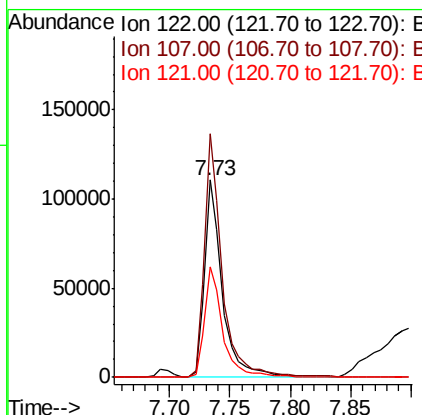
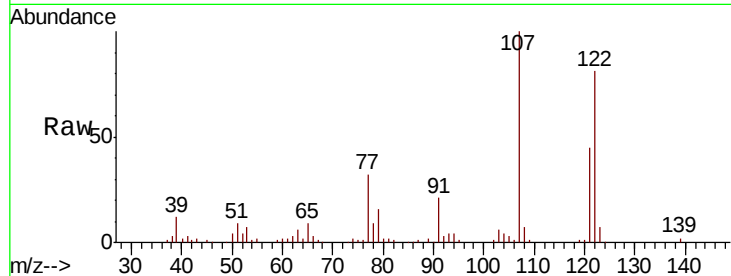




#27
 2,4-Dimethylphenol
 Concen: 49.597 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

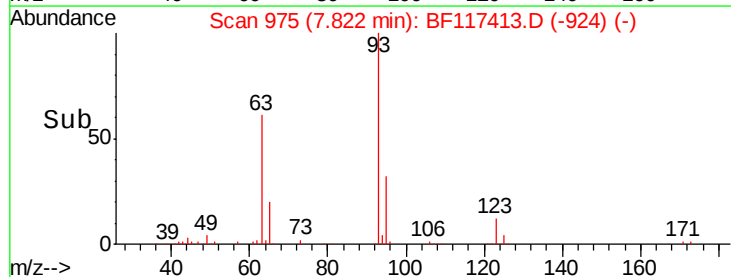
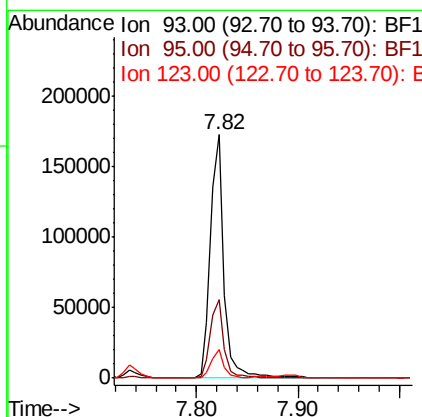
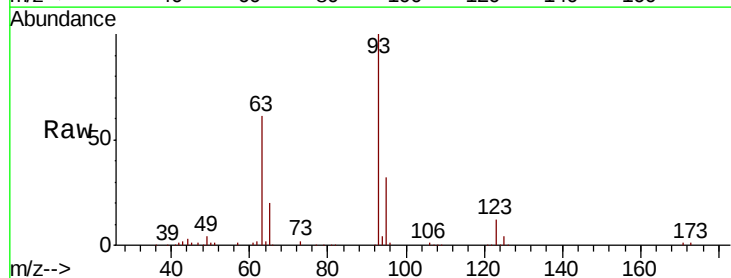
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

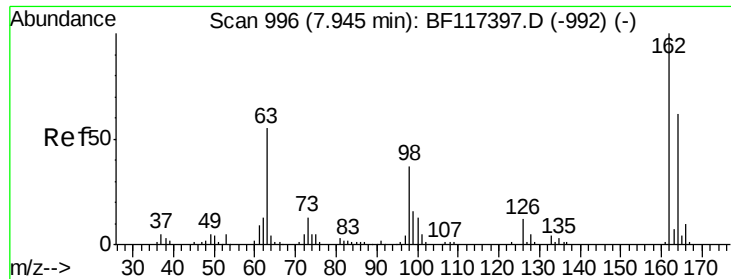
Tot Ion	Ratio	Lower	Upper
122	100		
107	123.6	95.0	142.6
121	56.0	46.6	69.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.309 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.1	37.7
123	11.6	8.6	12.8

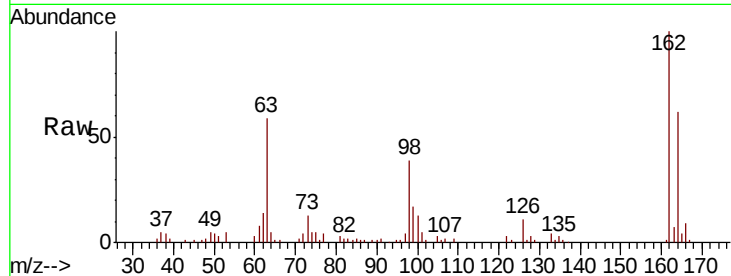




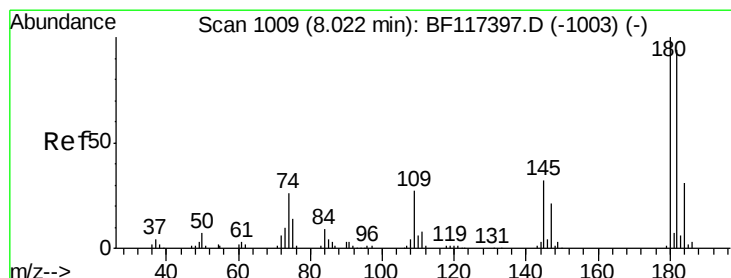
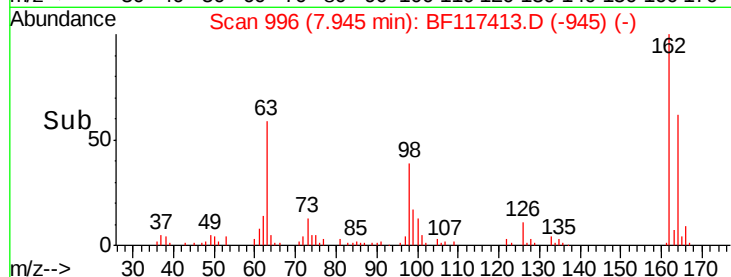
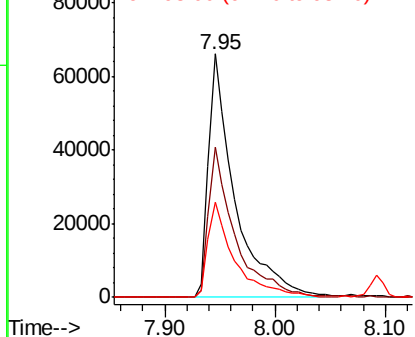
#29
2,4-Dichlorophenol
Concen: 46.353 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.6	42.2	82.2
98	39.0	17.4	57.4

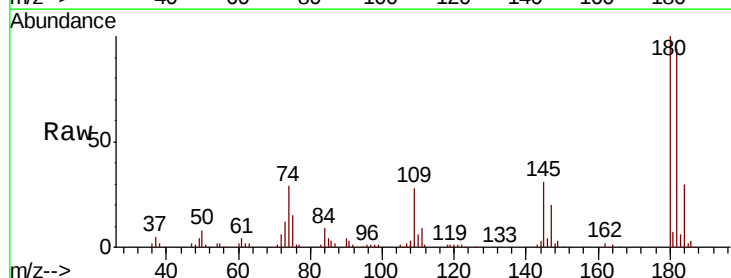


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

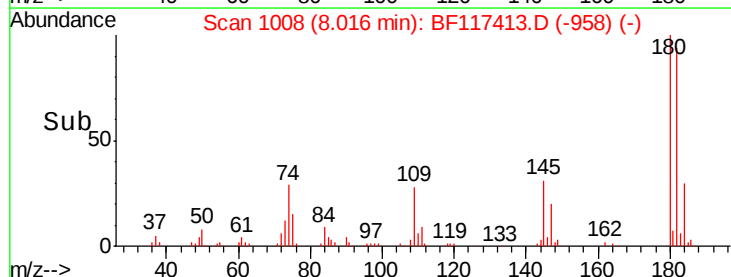
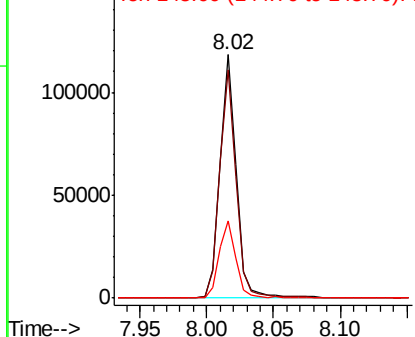


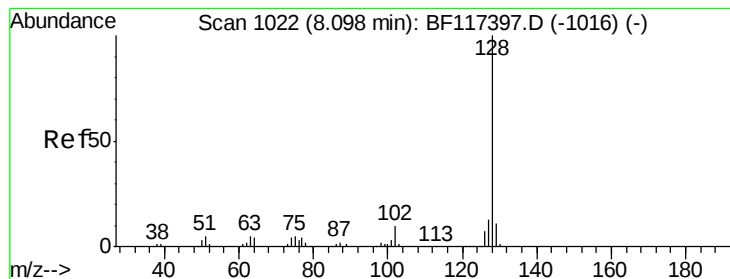
#30
1,2,4-Trichlorobenzene
Concen: 40.895 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.4	113.2
145	31.5	25.5	38.3



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.488 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

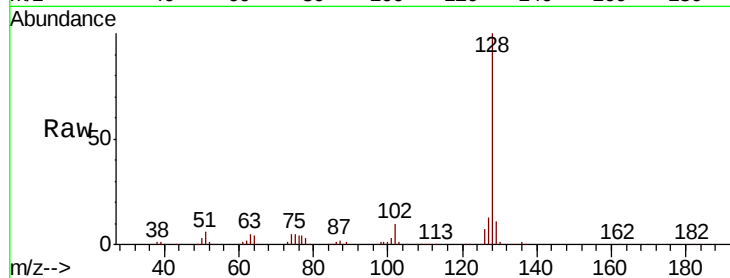
Tot Ion:128 Resp: 370268

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

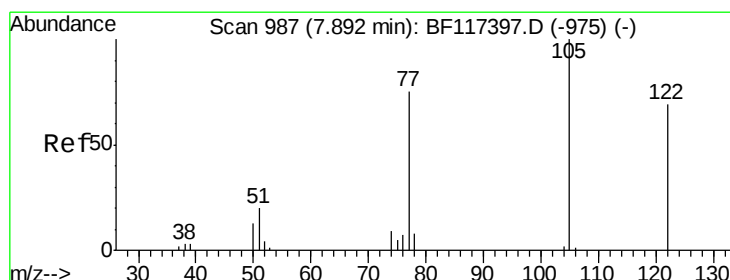
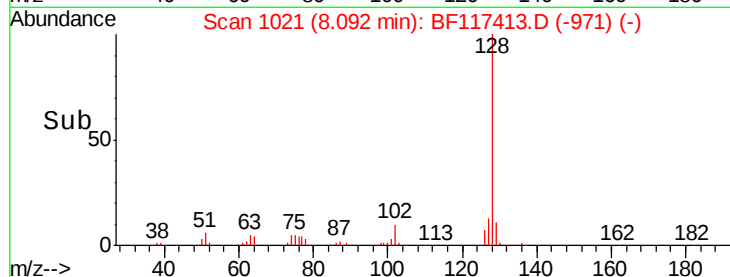
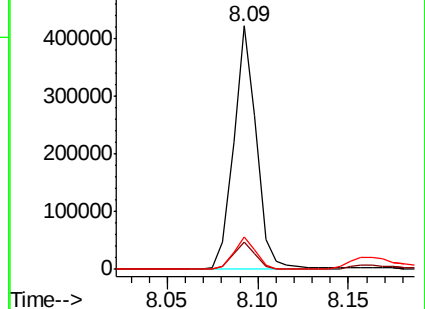
127 13.1 10.4 15.6



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: 42.888 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

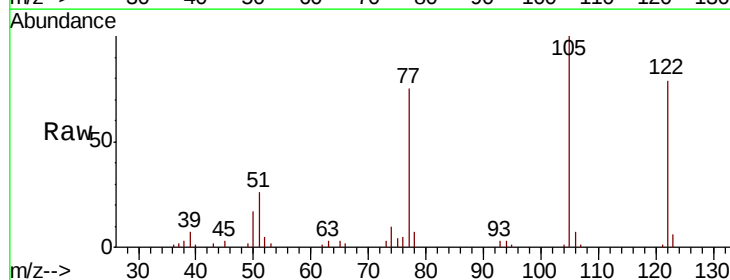
Tgt Ion:122 Resp: 64660

Ion Ratio Lower Upper

122 100

105 126.1 121.5 161.5

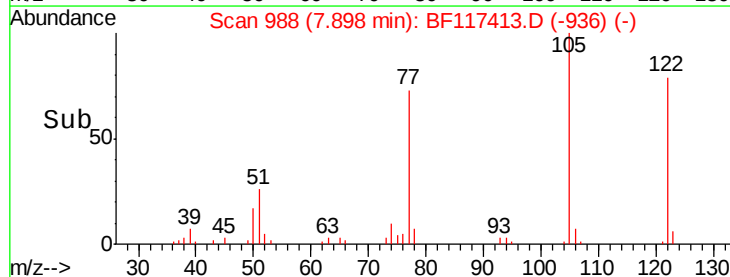
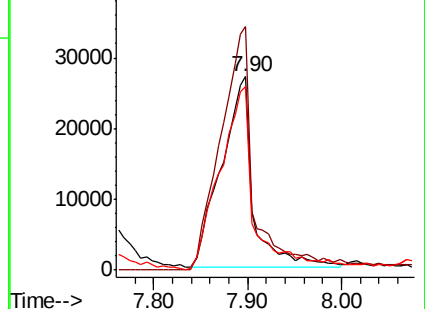
77 95.1 88.3 128.3

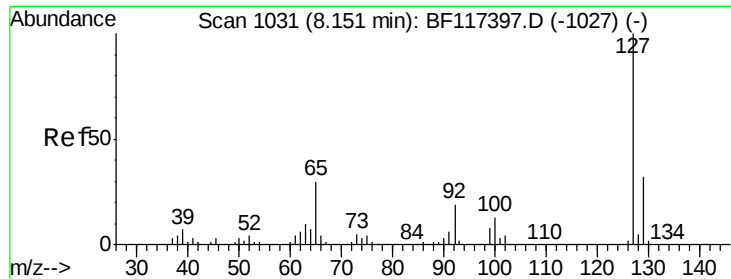


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

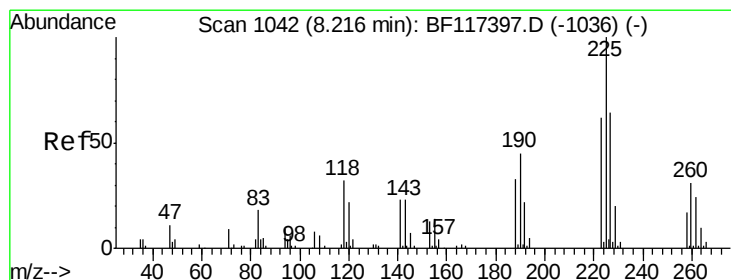
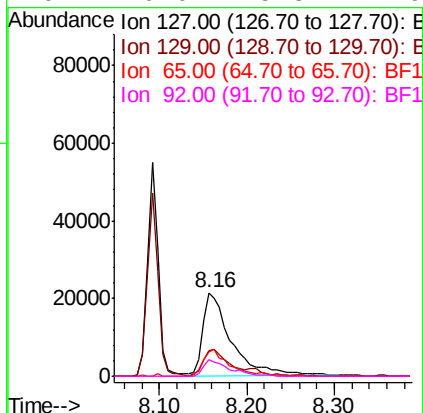
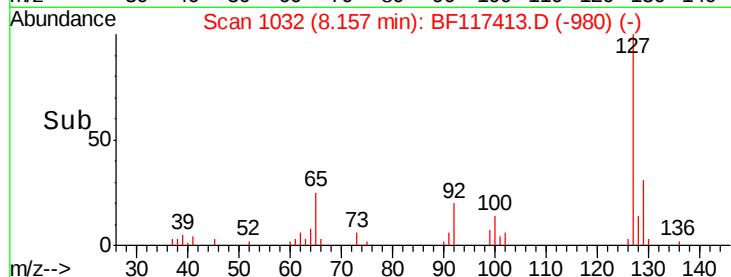
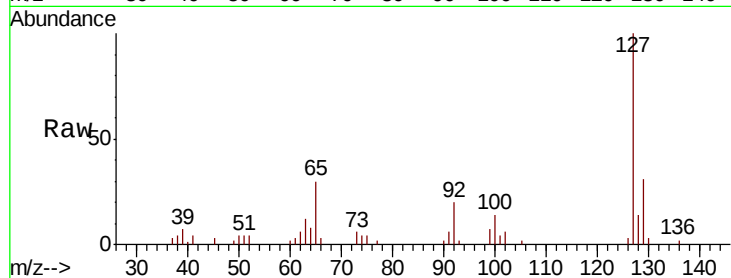




#33
4-Chloroaniline
Concen: 13.112 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

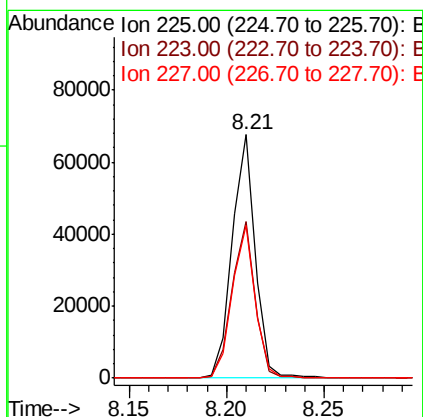
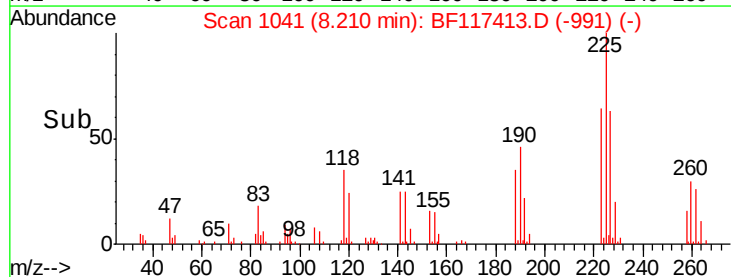
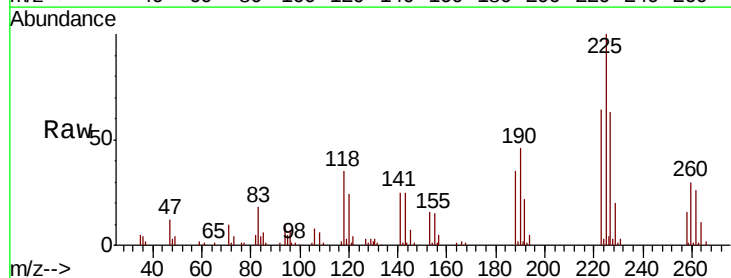
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

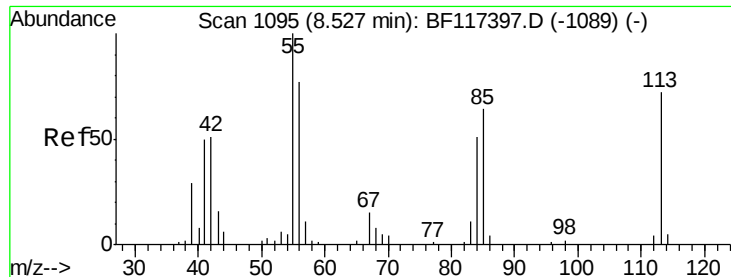
Tot Ion:	127	Resp:	47411
Ion	Ratio	Lower	Upper
127	100		
129	30.7	25.4	38.0
65	29.8	23.8	35.8
92	20.0	15.3	22.9



#34
Hexachlorobutadiene
Concen: 38.363 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:	225	Resp:	55523
Ion	Ratio	Lower	Upper
225	100		
223	64.2	49.7	74.5
227	62.9	50.9	76.3

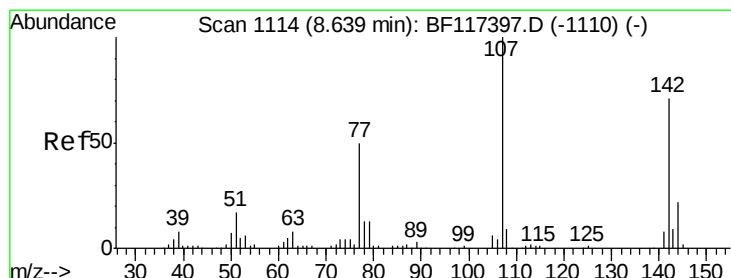
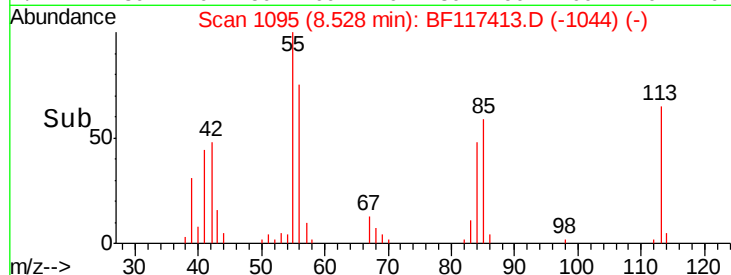
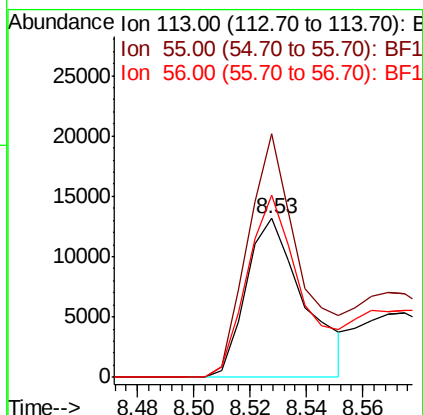
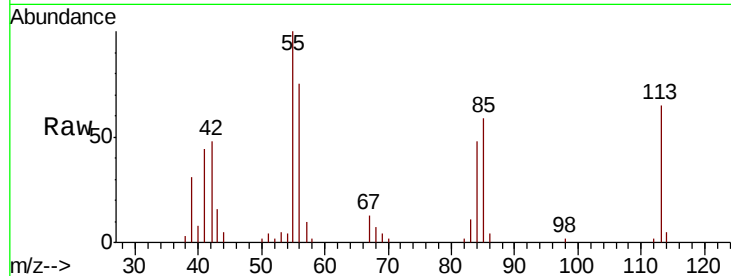




#35
 Caprolactam
 Concen: 25.632 ng
 RT: 8.53 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

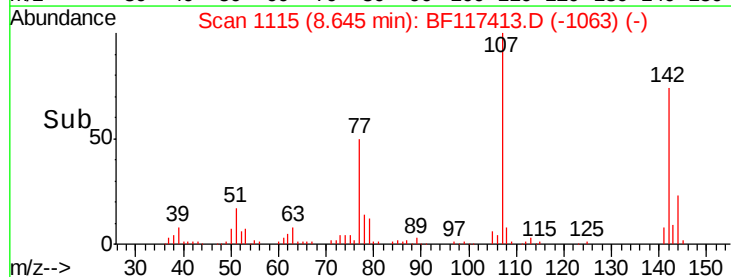
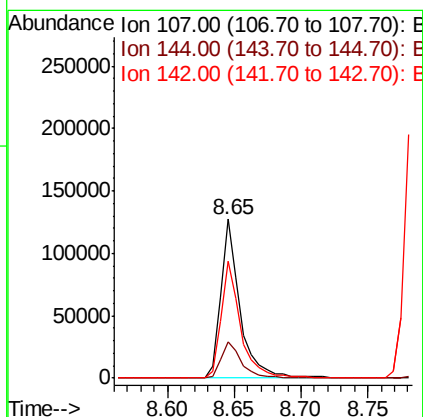
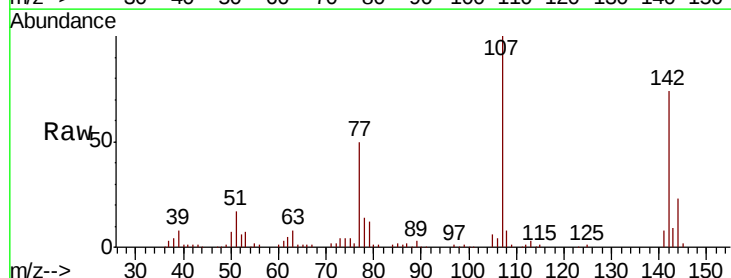
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

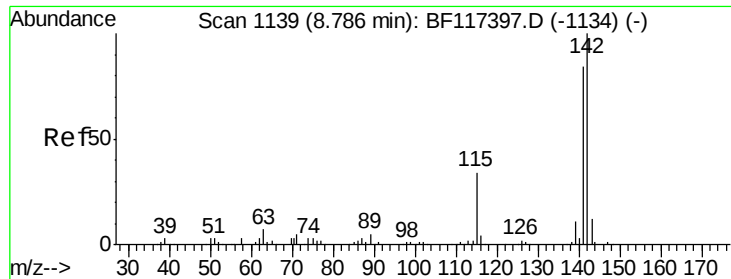
Tot Ion:113 Resp: 18816
 Ion Ratio Lower Upper
 113 100
 55 153.0 118.5 158.5
 56 114.6 86.7 126.7



#36
 4-Chloro-3-methylphenol
 Concen: 48.529 ng
 RT: 8.65 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion:107 Resp: 129441
 Ion Ratio Lower Upper
 107 100
 144 23.0 17.9 26.9
 142 73.8 56.9 85.3

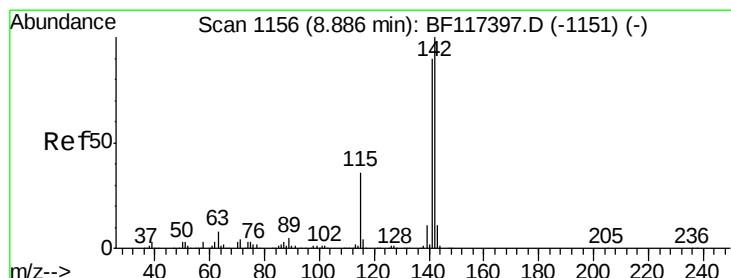
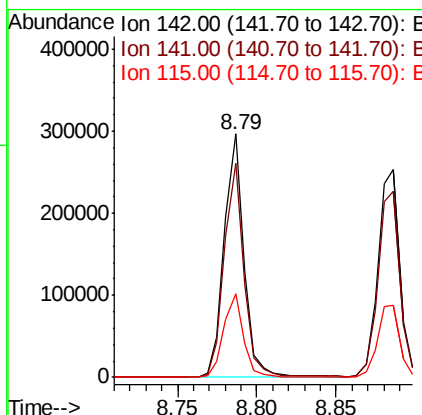
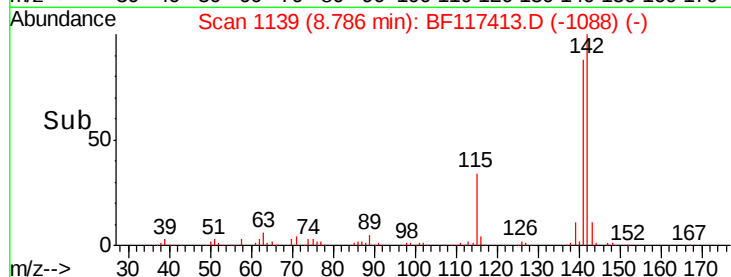
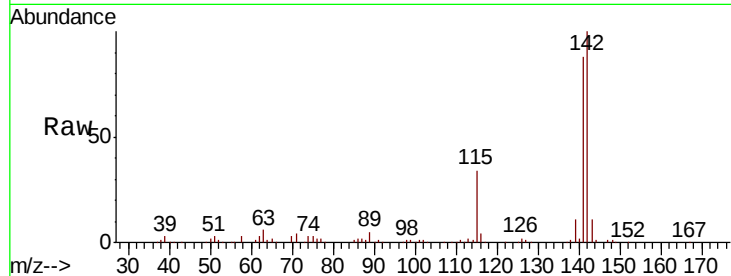




#37
2-Methylnaphthalene
Concen: 44.932 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

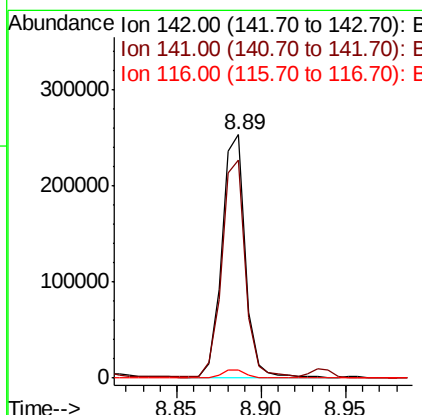
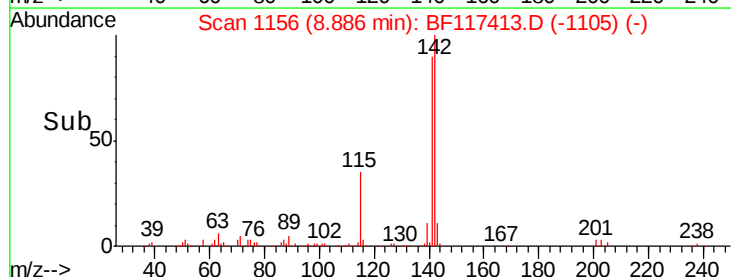
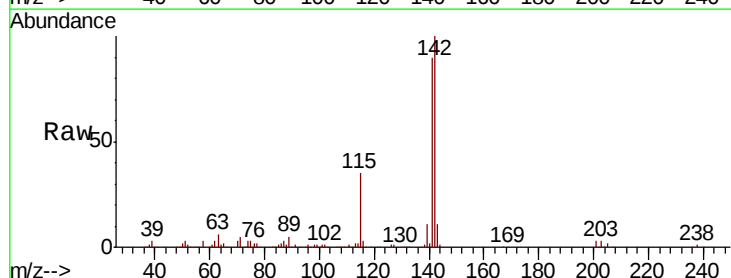
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

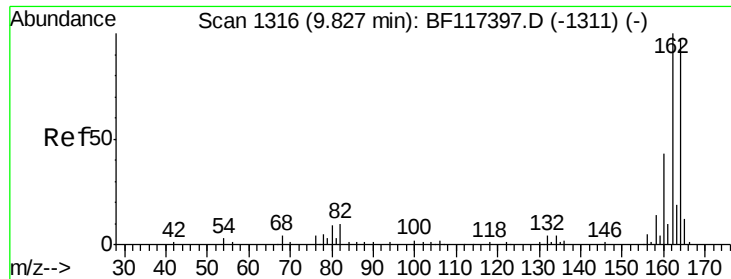
Tot Ion:142 Resp: 258330
Ion Ratio Lower Upper
142 100
141 87.9 67.2 100.8
115 34.1 26.9 40.3



#38
1-Methylnaphthalene
Concen: 44.813 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:142 Resp: 242748
Ion Ratio Lower Upper
142 100
141 89.7 71.8 107.8
116 3.5 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

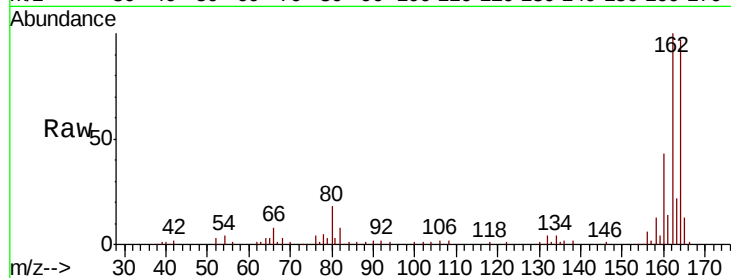
Tot Ion:164 Resp: 89912

Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

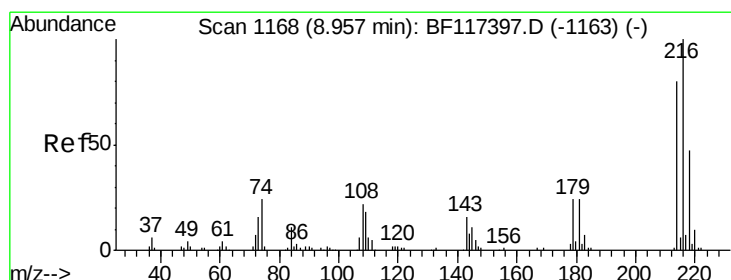
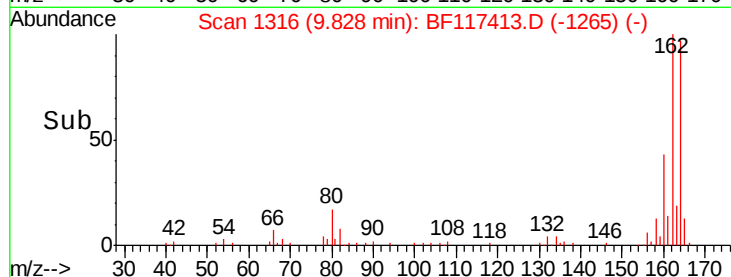
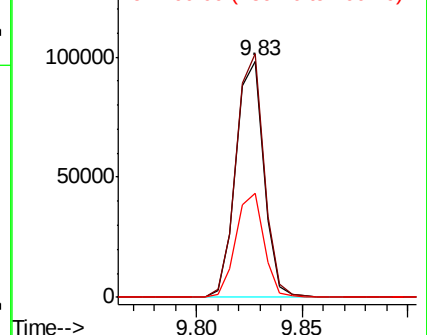
160 44.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.050 ng

RT: 8.96 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Tgt Ion:216 Resp: 101754

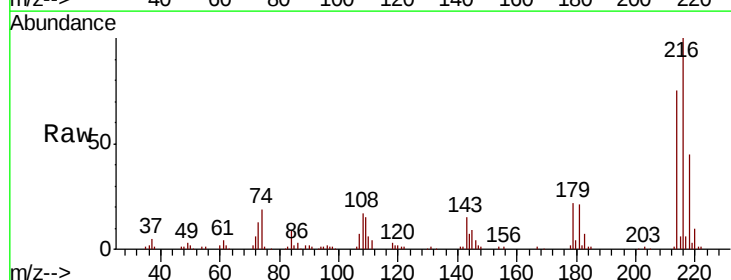
Ion Ratio Lower Upper

216 100

214 76.6 63.8 95.6

179 22.9 18.6 28.0

108 21.5 17.0 25.4

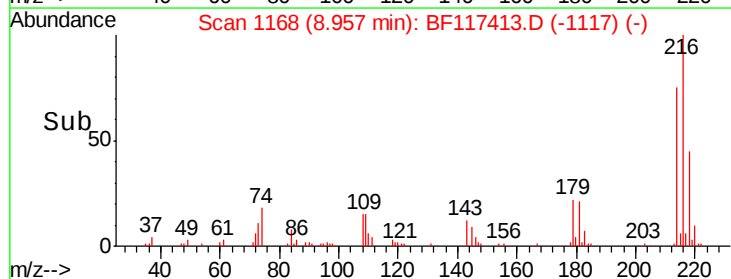
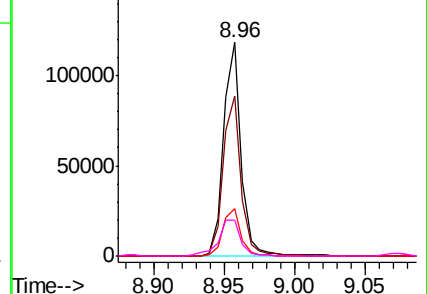


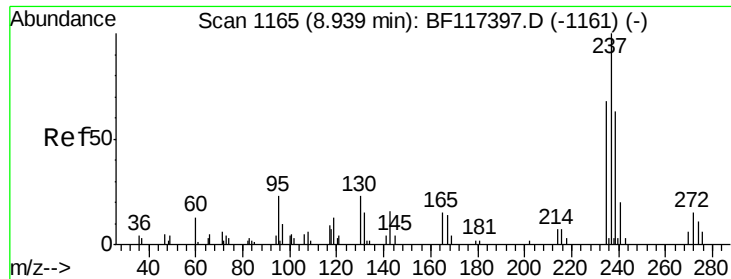
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 109.071 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

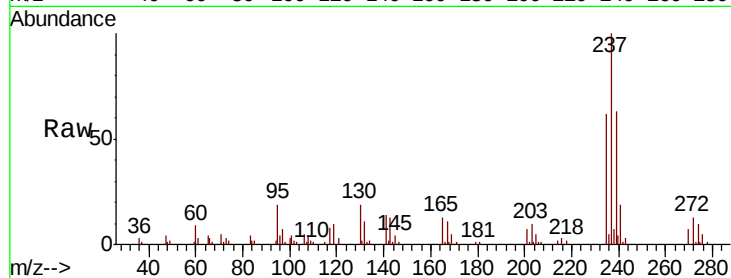
Tot Ion:237 Resp: 49286

Ion Ratio Lower Upper

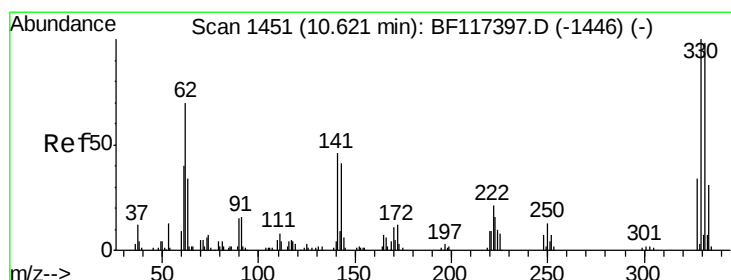
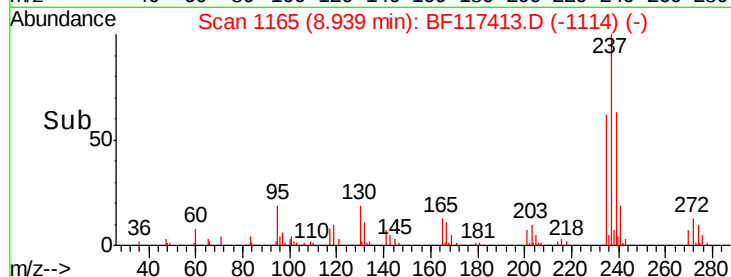
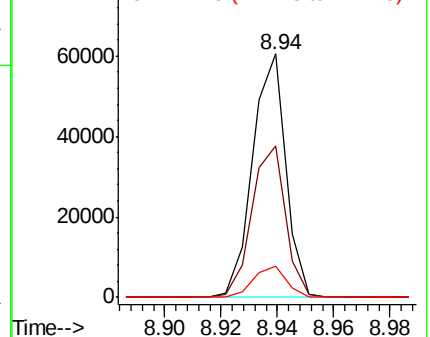
237 100

235 62.3 47.8 87.8

272 12.6 0.0 35.0



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



#42

2,4,6-Tribromophenol

Concen: 152.619 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

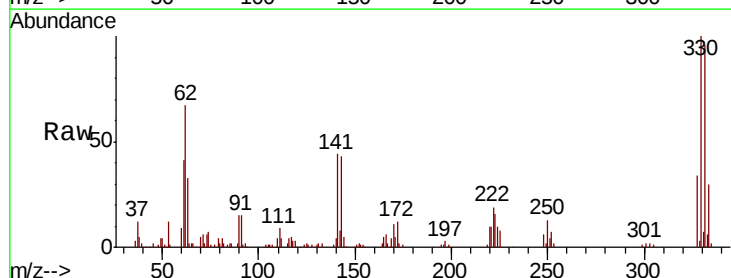
Tgt Ion:330 Resp: 111681

Ion Ratio Lower Upper

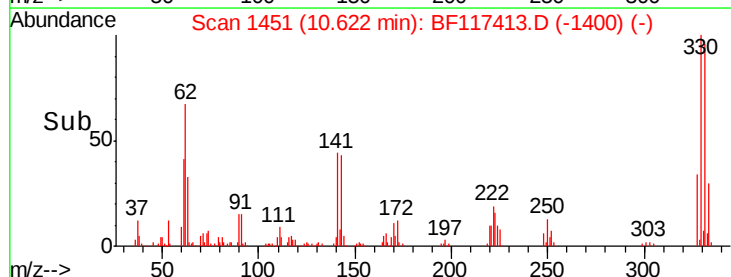
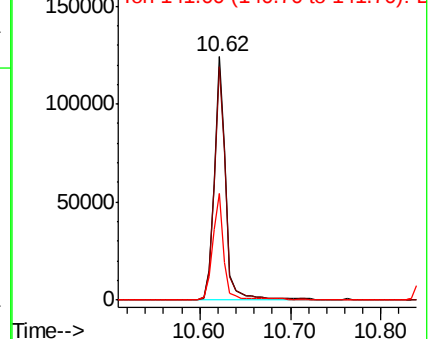
330 100

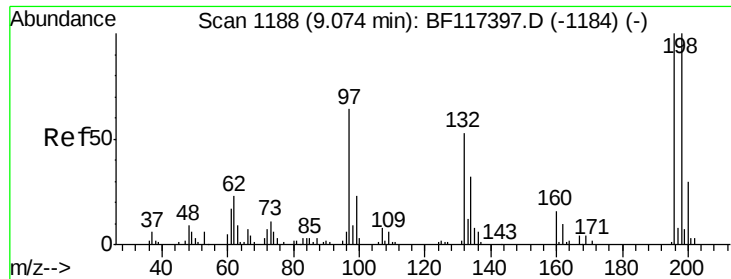
332 96.9 75.0 112.6

141 42.7 34.2 51.4



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

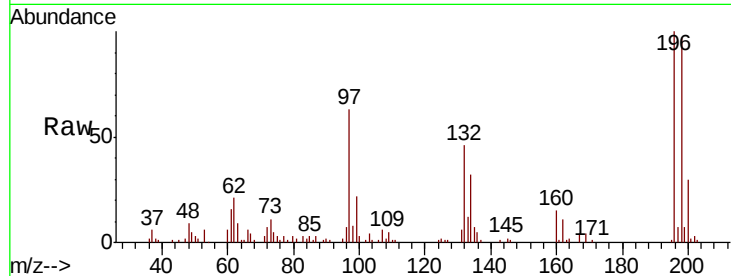




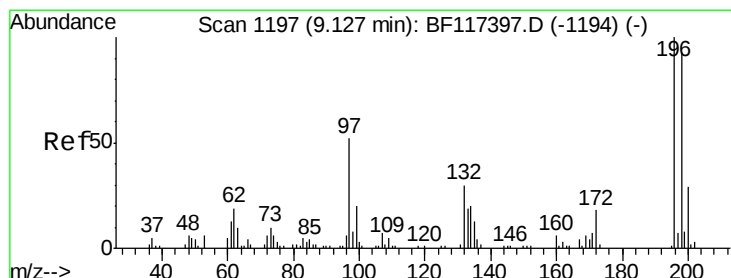
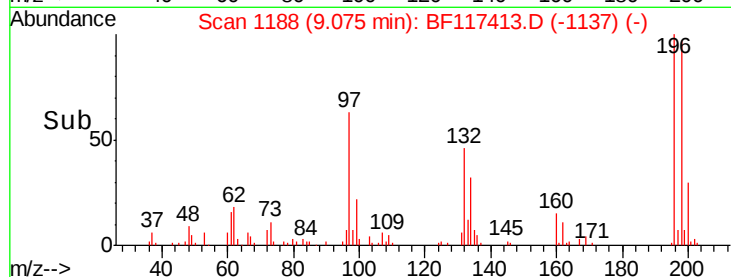
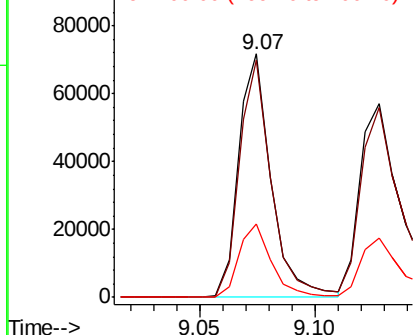
#43
 2,4,6-Trichlorophenol
 Concen: 46.158 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion:196 Resp: 70686
 Ion Ratio Lower Upper
 196 100
 198 97.2 79.8 119.6
 200 30.3 23.7 35.5

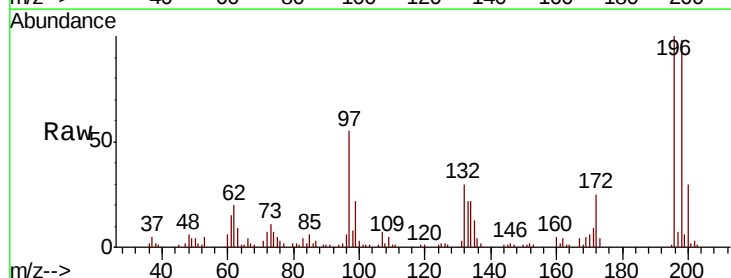


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

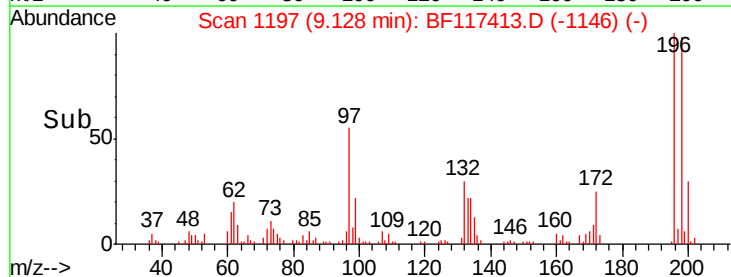
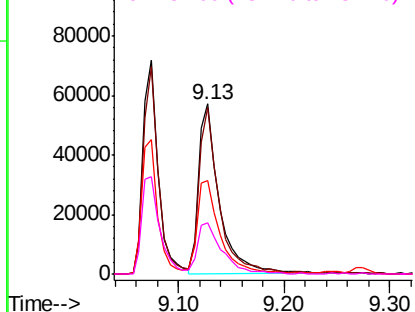


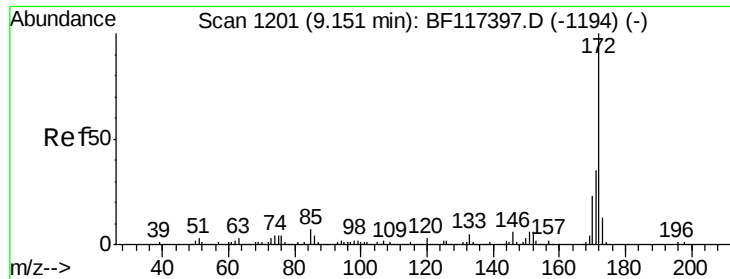
#44
 2,4,5-Trichlorophenol
 Concen: 49.007 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion:196 Resp: 76553
 Ion Ratio Lower Upper
 196 100
 198 98.3 74.9 112.3
 97 55.2 42.5 63.7
 132 30.2 24.7 37.1



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

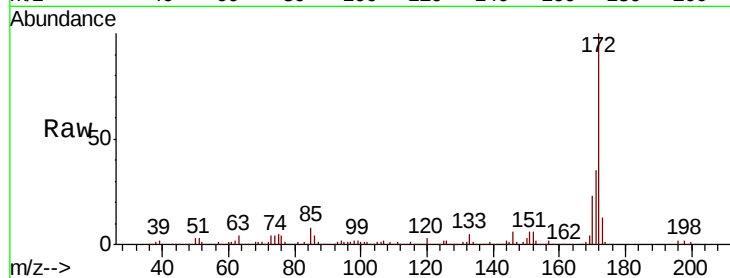




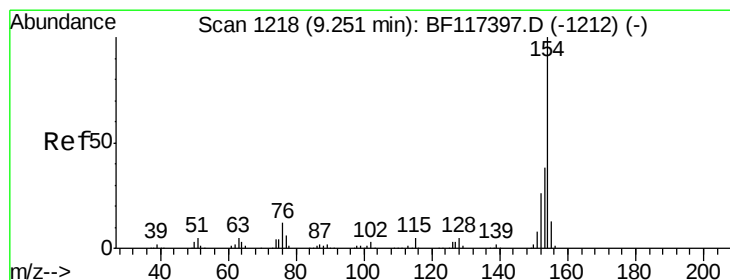
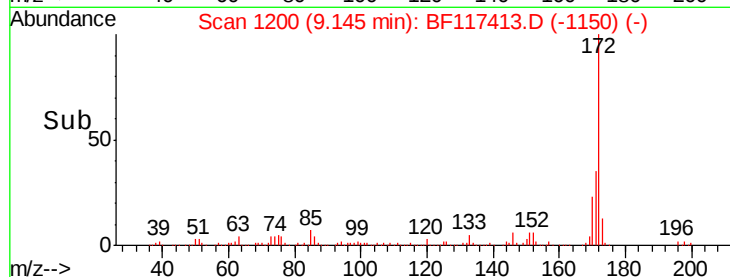
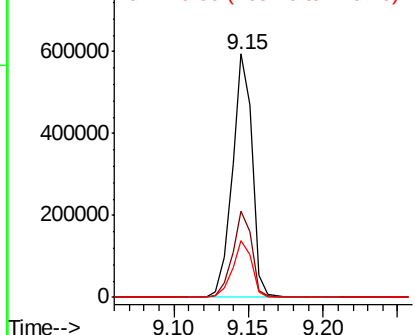
#45
2-Fluorobiphenyl
Concen: 90.417 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.3	18.2	27.2

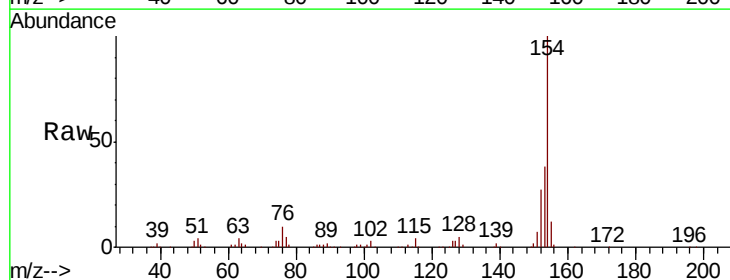


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

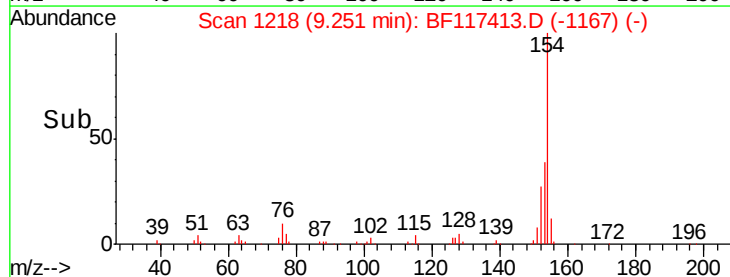
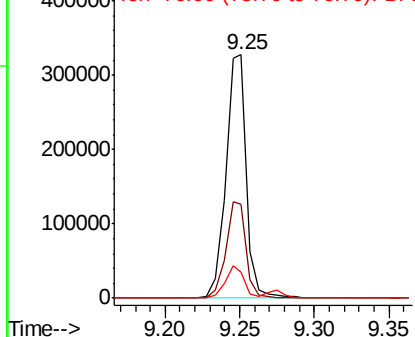


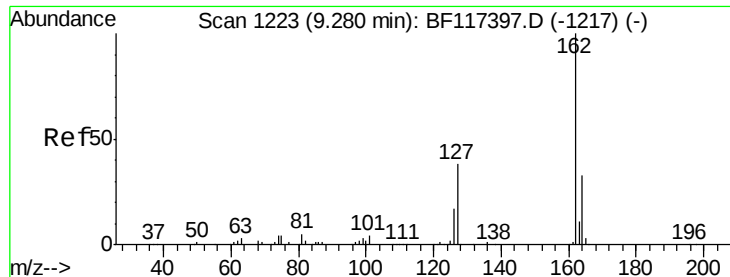
#46
1,1'-Biphenyl
Concen: 43.167 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.5	18.3	58.3
76	10.4	0.0	32.3



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

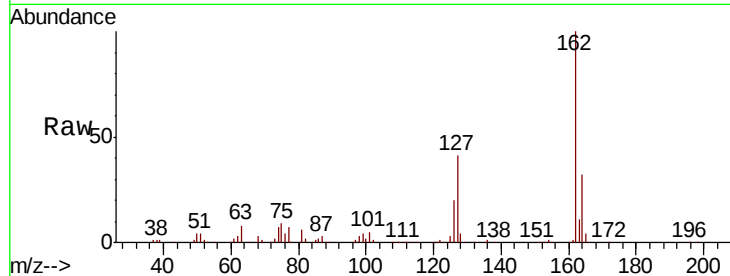




#47
2-Chloronaphthalene
Concen: 42.697 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.6	48.8
164	32.4	26.2	39.4

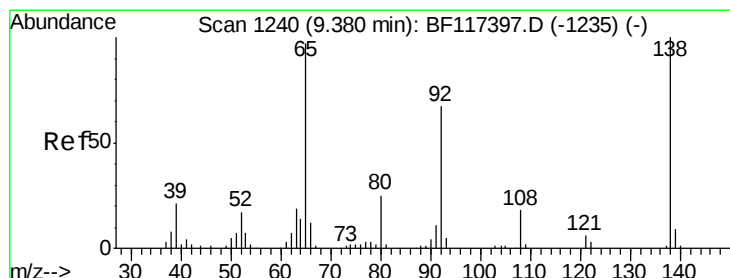
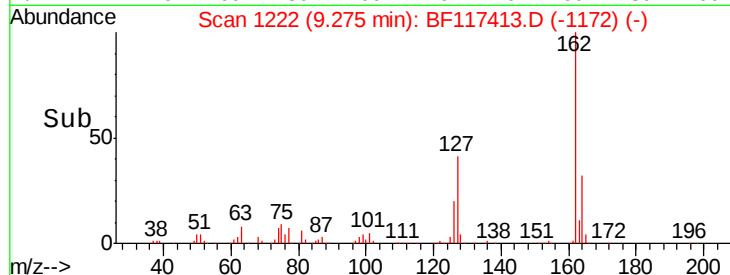
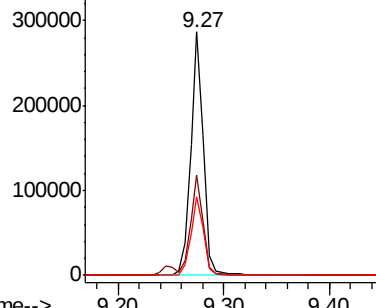


Abundance

Ion 162.00 (161.70 to 162.70): E

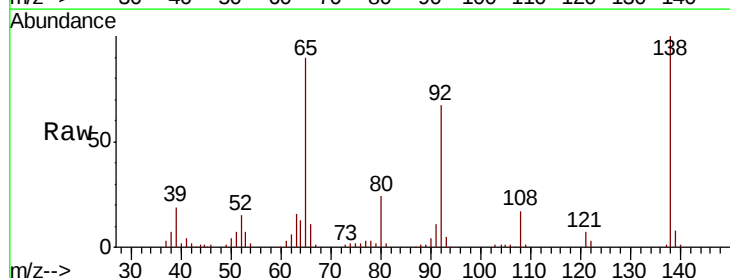
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 44.143 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.2	55.4	83.0
138	111.3	82.6	124.0

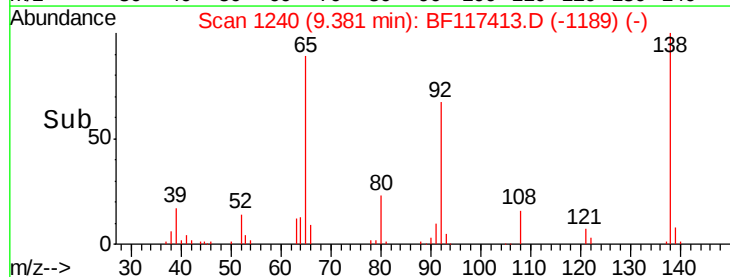
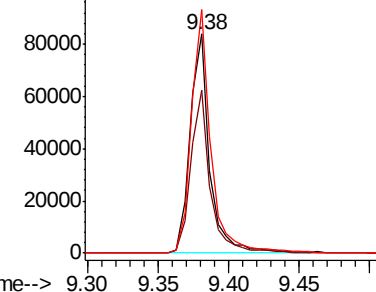


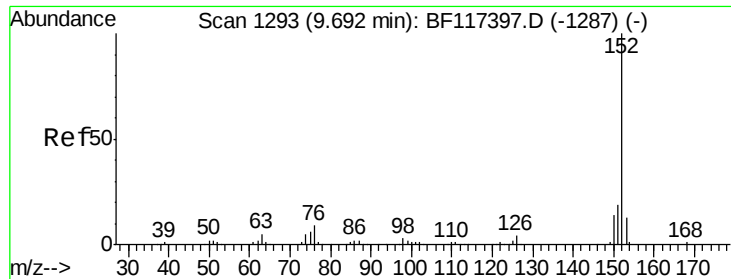
Abundance

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: 46.736 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

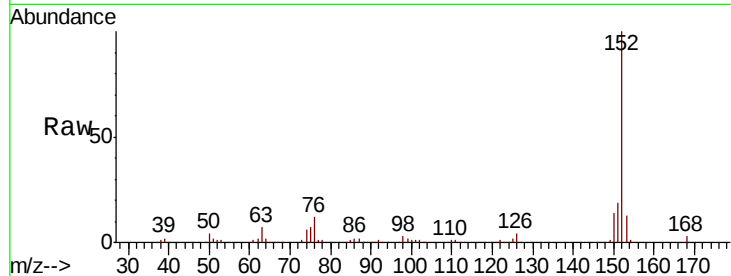
Tot Ion:152 Resp: 392307

Ion Ratio Lower Upper

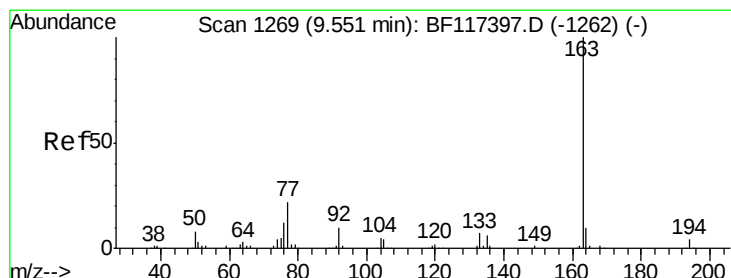
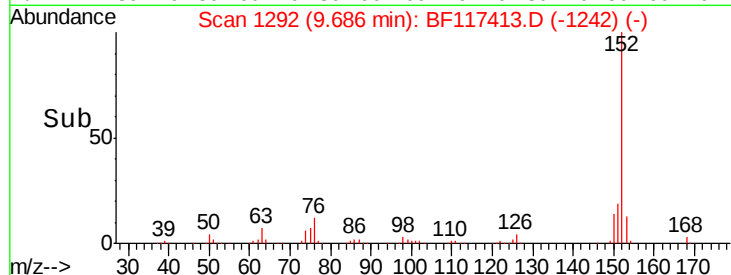
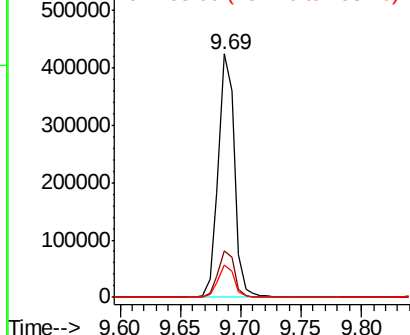
152 100

151 19.3 15.5 23.3

153 13.2 10.6 16.0



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: 45.860 ng

RT: 9.55 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

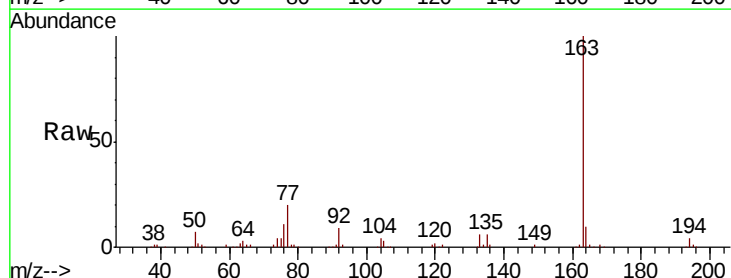
Tgt Ion:163 Resp: 296132

Ion Ratio Lower Upper

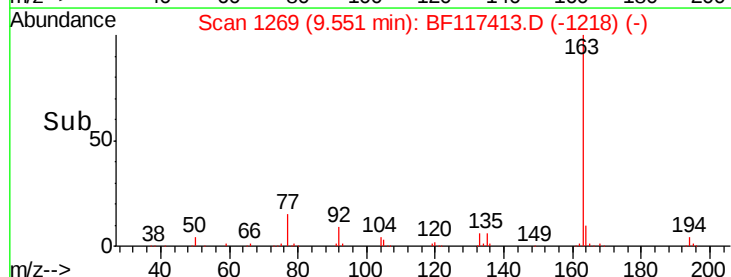
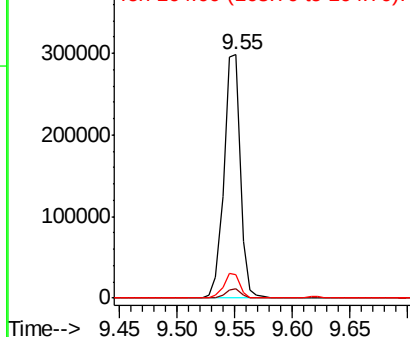
163 100

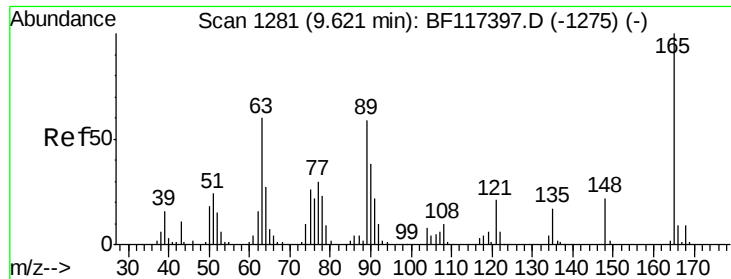
194 4.0 3.1 4.7

164 9.6 8.0 12.0



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

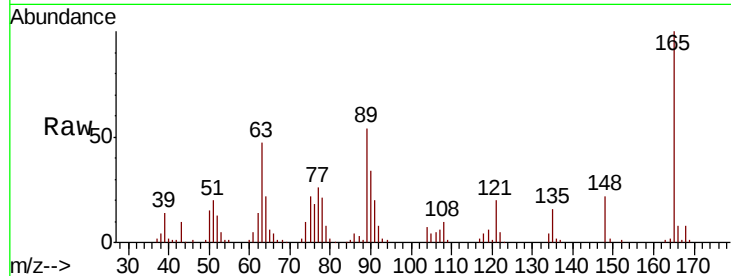




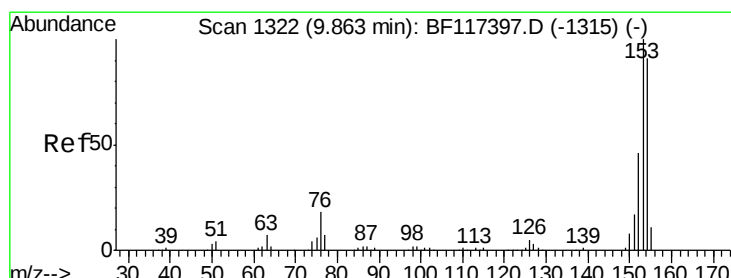
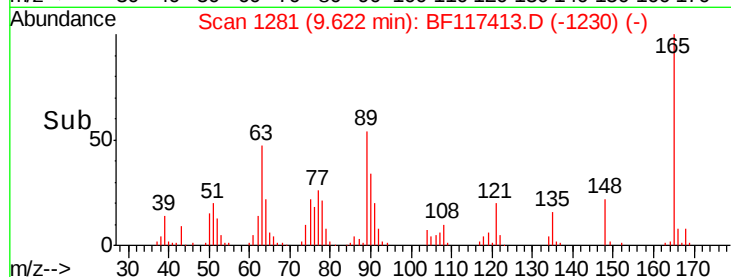
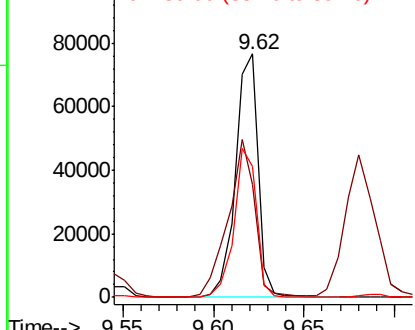
#51
 2,6-Dinitrotoluene
 Concen: 48.951 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion:165 Resp: 66439
 Ion Ratio Lower Upper
 165 100
 63 46.6 47.8 71.6#
 89 54.0 47.4 71.0

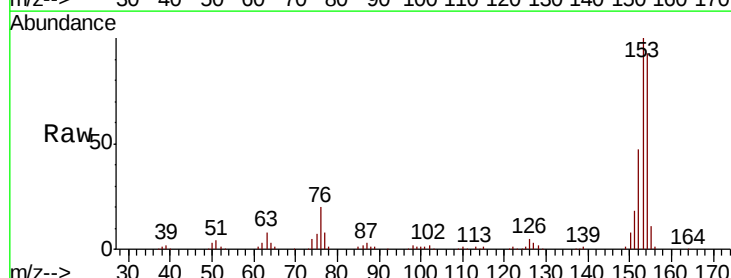


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

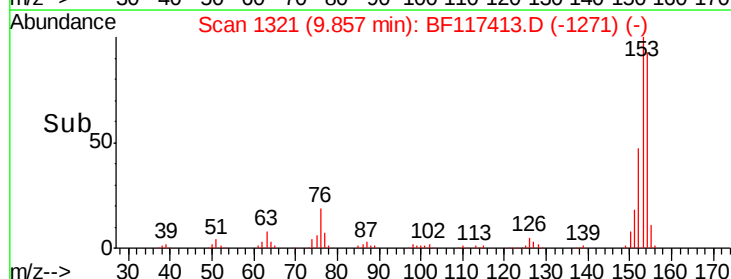
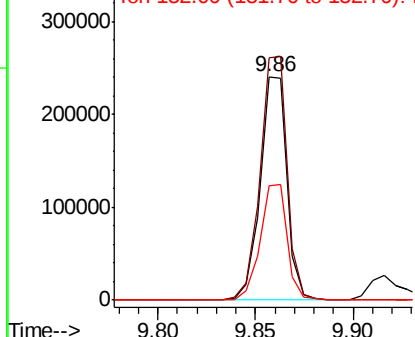


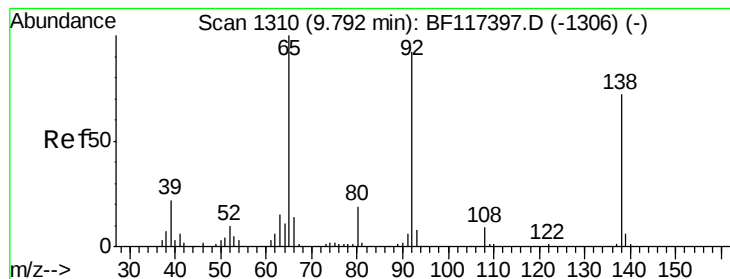
#52
 Acenaphthene
 Concen: 44.703 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion:154 Resp: 228011
 Ion Ratio Lower Upper
 154 100
 153 108.1 87.9 131.9
 152 50.8 40.8 61.2



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 27.908 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

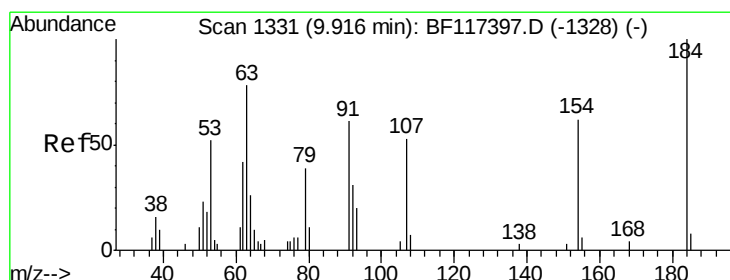
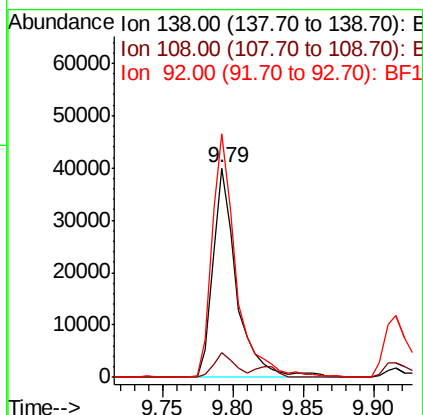
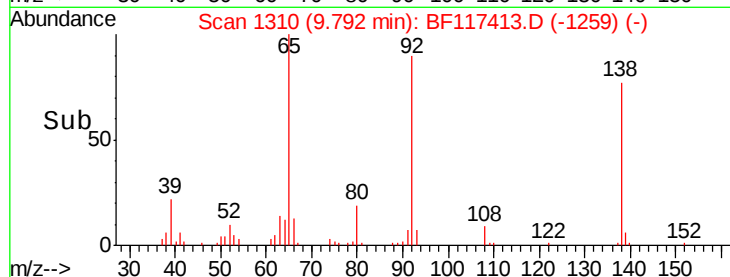
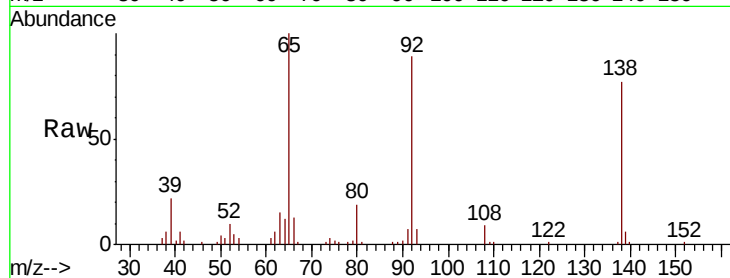
Tot Ion:138 Resp: 46255

Ion Ratio Lower Upper

138 100

108 11.6 9.5 14.3

92 116.1 102.2 153.4



#54

2,4-Dinitrophenol

Concen: 94.463 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

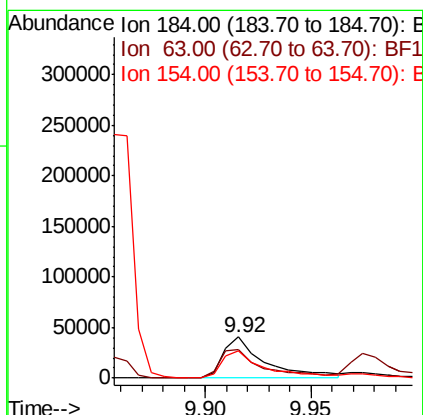
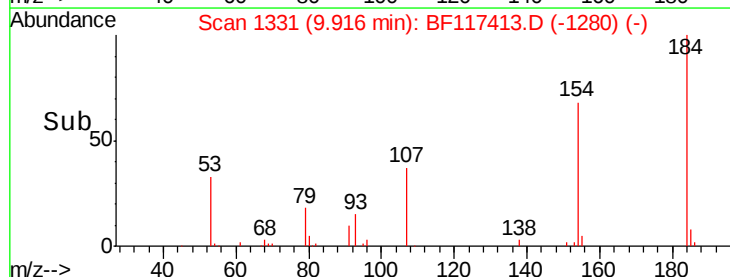
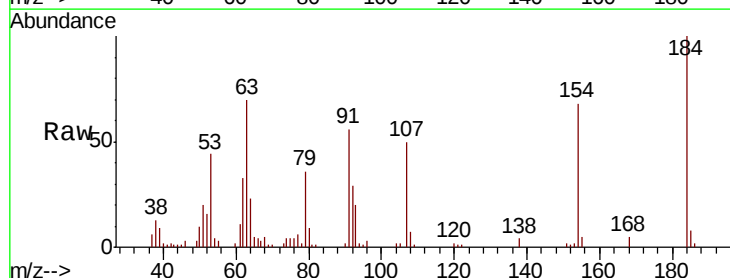
Tgt Ion:184 Resp: 55440

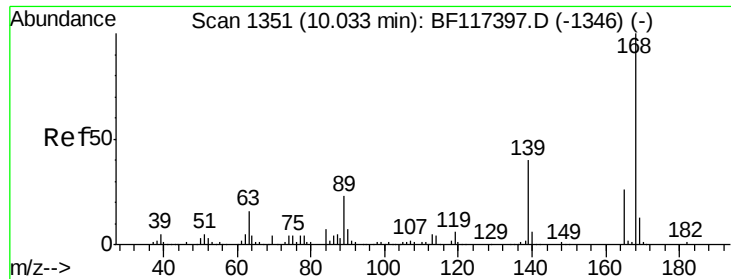
Ion Ratio Lower Upper

184 100

63 69.6 62.4 93.6

154 67.7 53.5 80.3

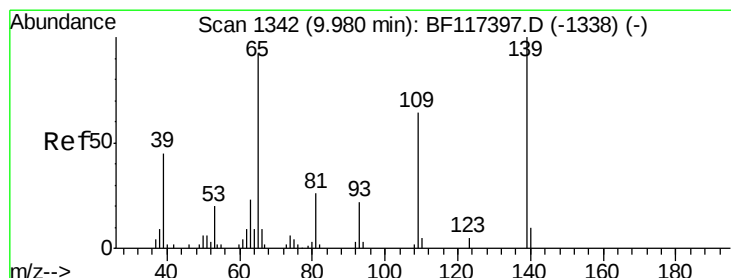
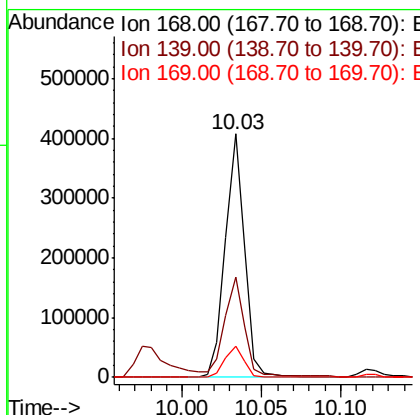
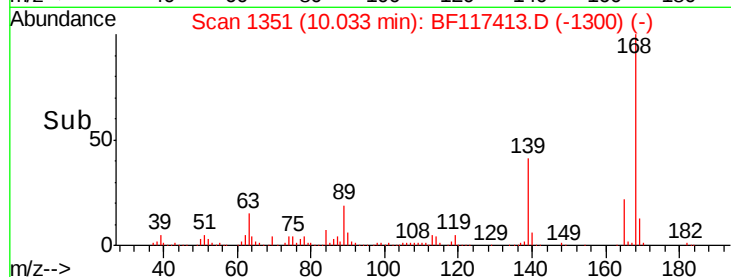
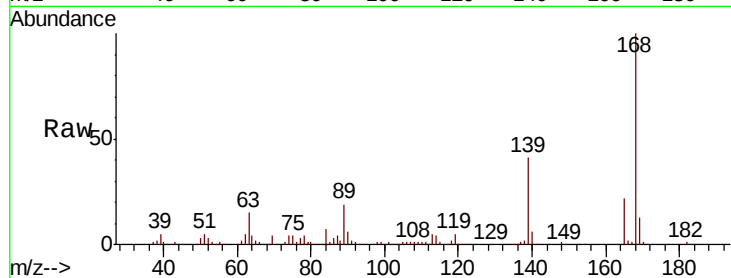




#55
Dibenzofuran
Concen: 46.192 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

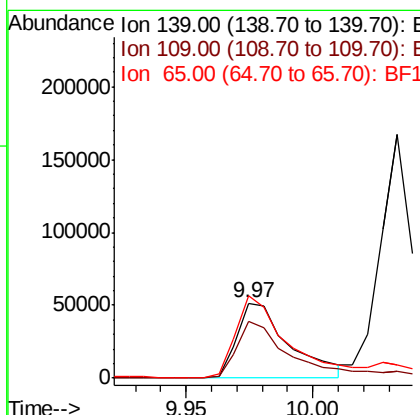
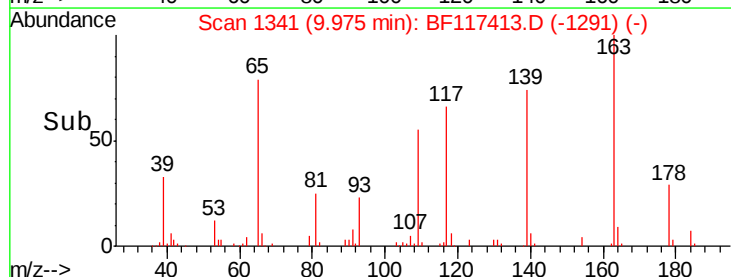
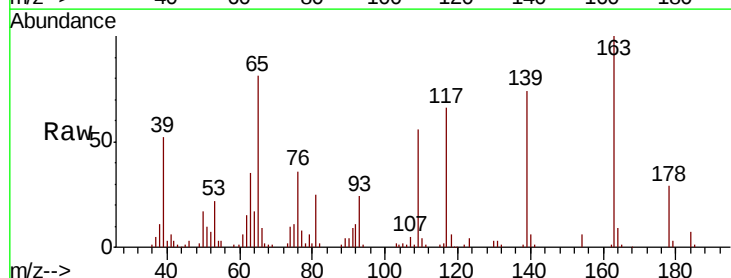
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

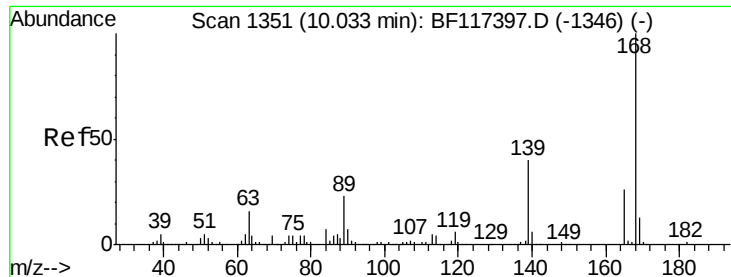
Tot Ion:168 Resp: 343688
Ion Ratio Lower Upper
168 100
139 41.0 33.3 49.9
169 13.0 10.7 16.1



#56
4-Nitrophenol
Concen: 97.136 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:139 Resp: 73500
Ion Ratio Lower Upper
139 100
109 75.7 43.8 83.8
65 110.2 73.9 113.9

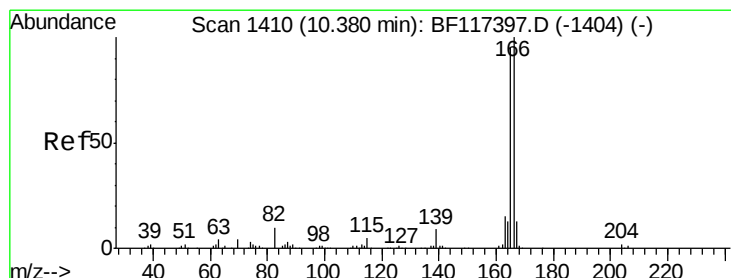
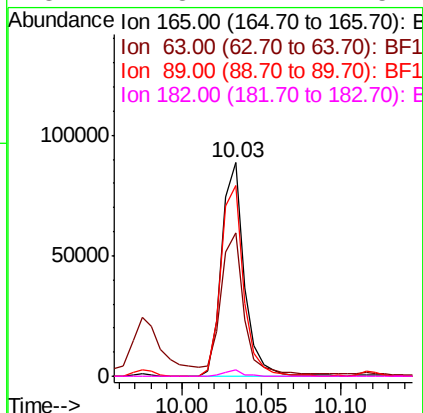
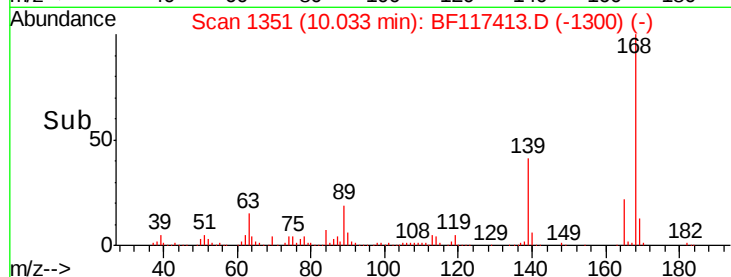
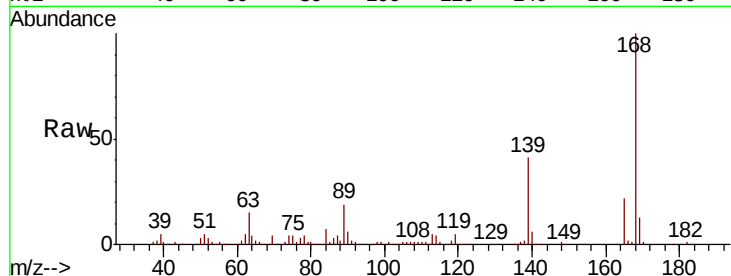




#57
2,4-Dinitrotoluene
Concen: 49.077 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

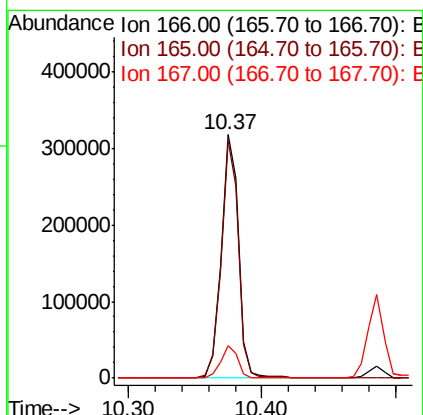
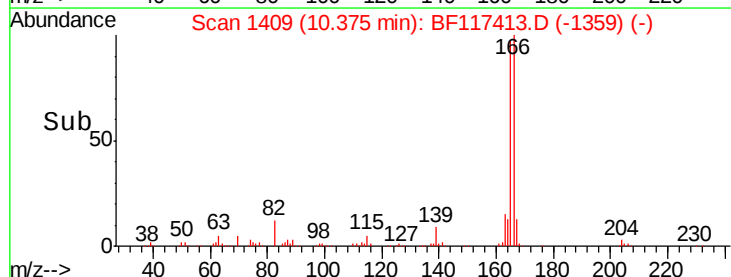
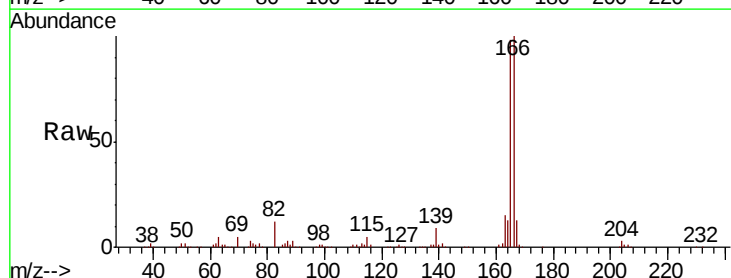
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

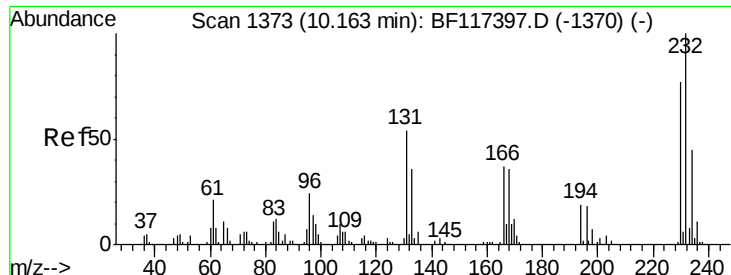
Tot Ion:165 Resp: 87892
Ion Ratio Lower Upper
165 100
63 67.1 51.0 76.4
89 89.5 70.7 106.1
182 2.8 2.1 3.1



#58
Fluorene
Concen: 47.096 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:166 Resp: 291769
Ion Ratio Lower Upper
166 100
165 97.5 75.7 113.5
167 13.1 10.4 15.6

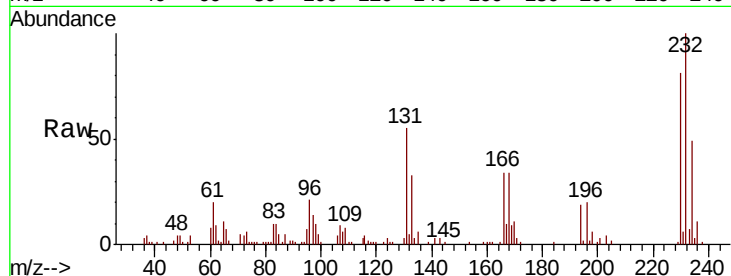




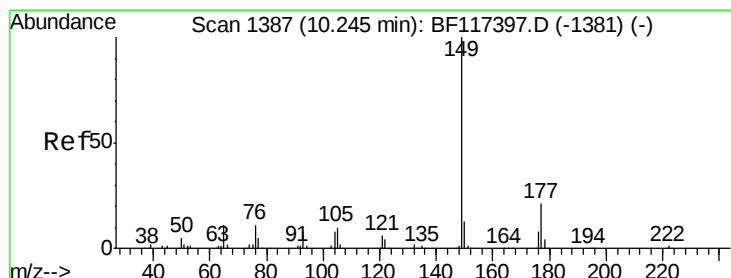
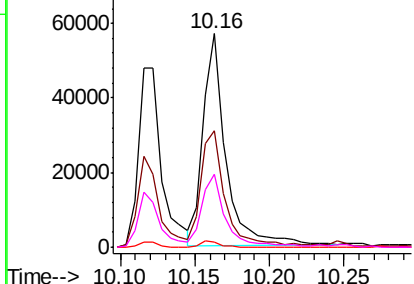
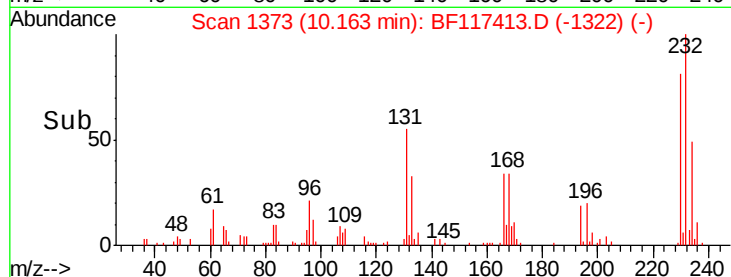
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.405 ng
 RT: 10.16 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion:232	Resp:	59661
Ion Ratio	Lower	Upper
232	100	
131	59.9	44.5 66.7
130	2.6	2.0 3.0
166	34.3	27.1 40.7

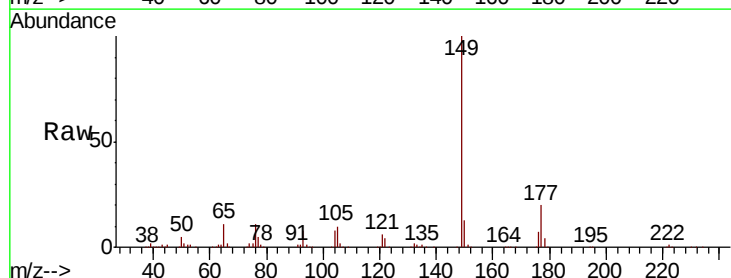


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

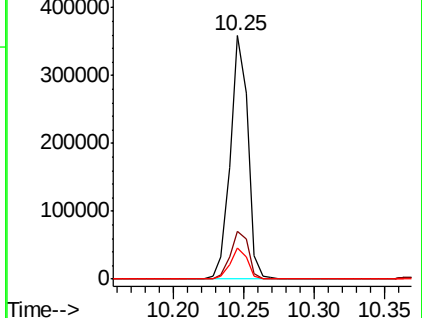
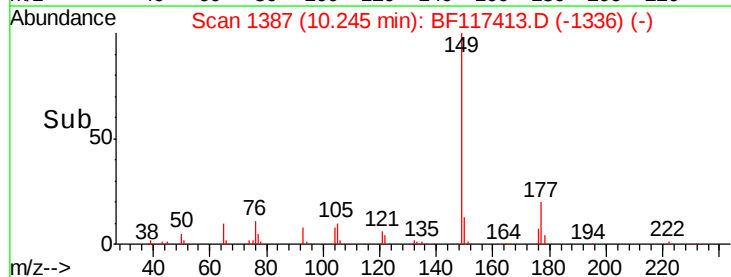


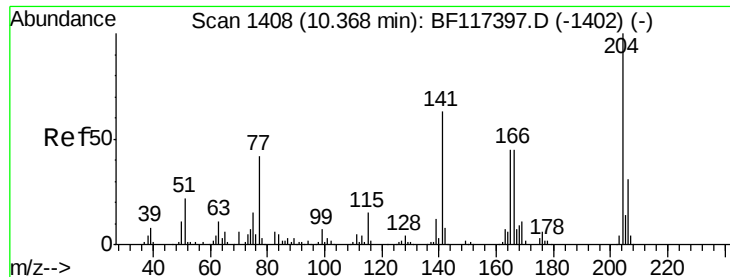
#60
 Diethylphthalate
 Concen: 47.754 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion:149	Resp:	310831
Ion Ratio	Lower	Upper
149	100	
177	19.8	16.5 24.7
150	12.9	10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

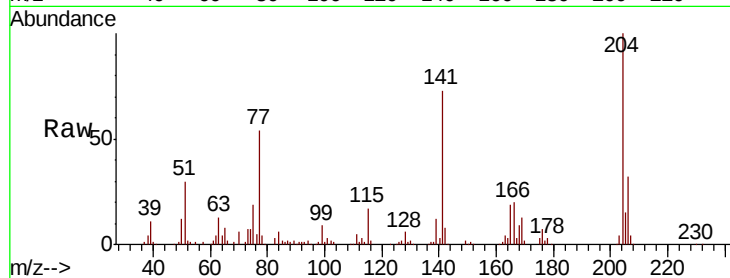




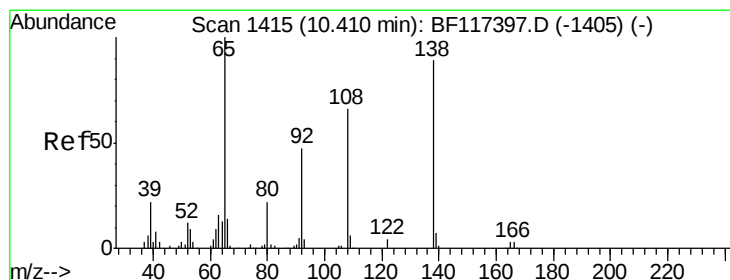
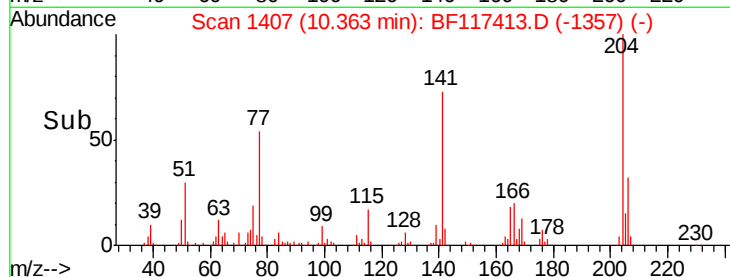
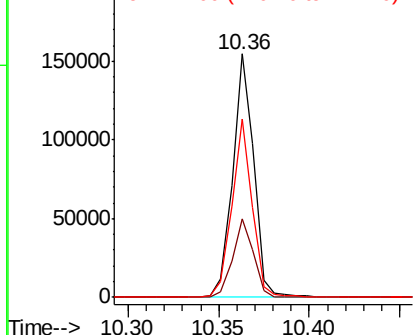
#61
4-Chlorophenyl-phenylether
Concen: 45.577 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion:204 Resp: 125012
Ion Ratio Lower Upper
204 100
206 32.1 25.0 37.4
141 73.2 50.7 76.1

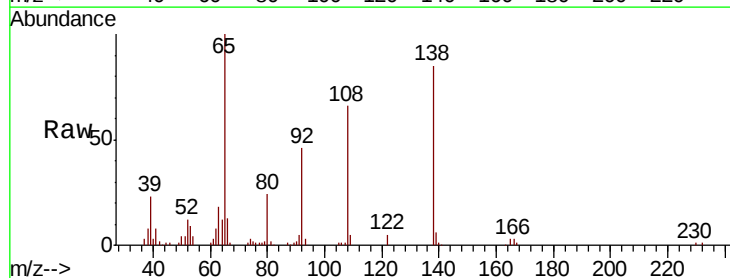


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

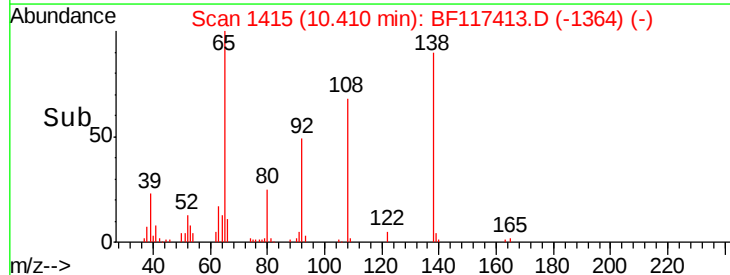
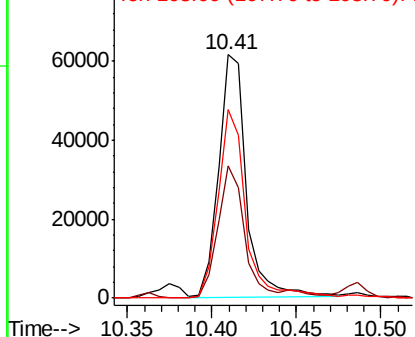


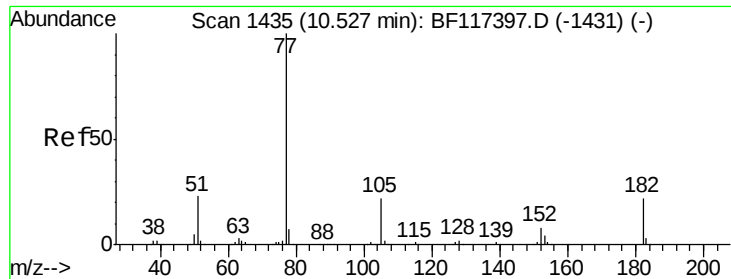
#62
4-Nitroaniline
Concen: 44.524 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:138 Resp: 70148
Ion Ratio Lower Upper
138 100
92 54.4 32.4 72.4
108 77.3 53.8 93.8



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: 47.379 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

Tot Ion: 77 Resp: 316425

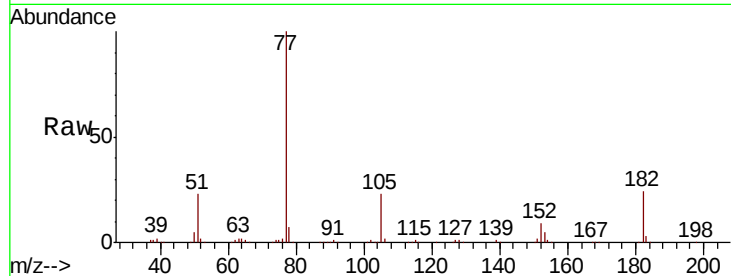
Ion Ratio Lower Upper

77 100

182 23.9 1.5 41.5

105 22.9 1.8 41.8

51 22.8 3.3 43.3

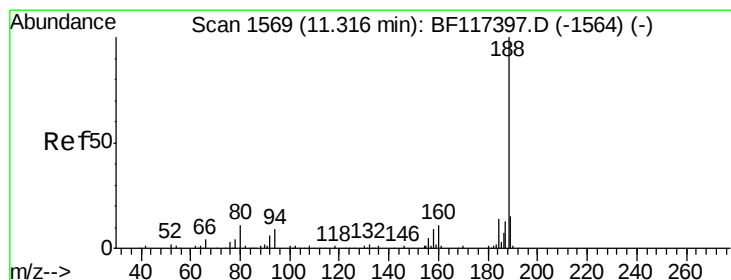
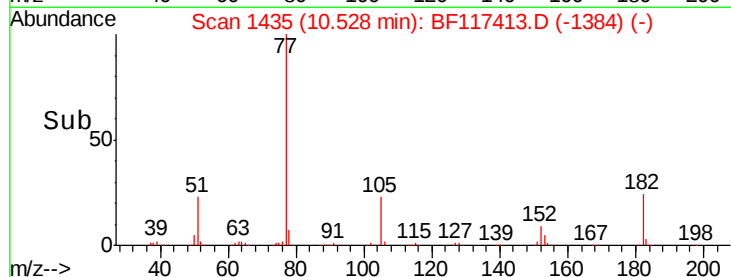
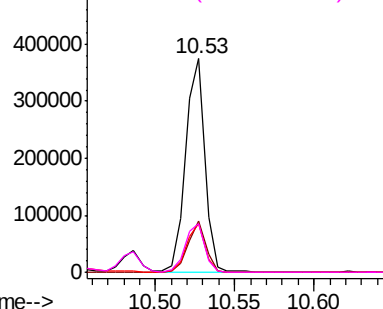


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

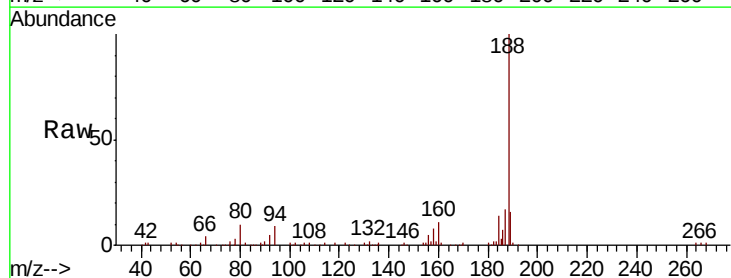
Tgt Ion: 188 Resp: 156083

Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

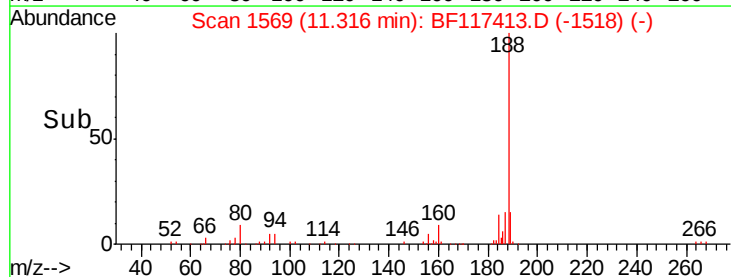
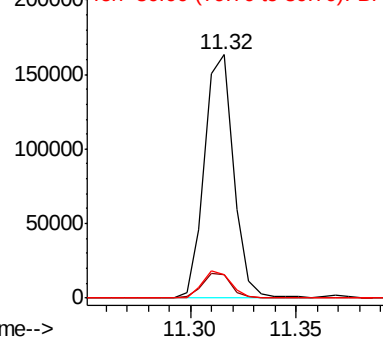
80 9.9 8.7 13.1

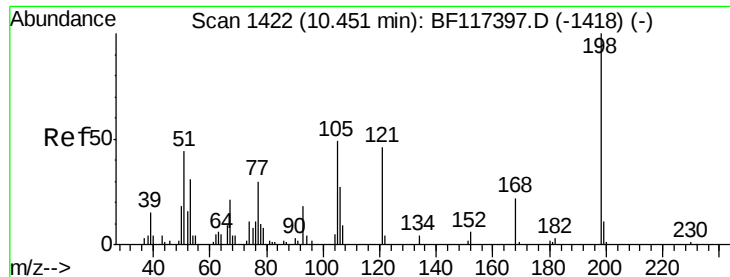


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

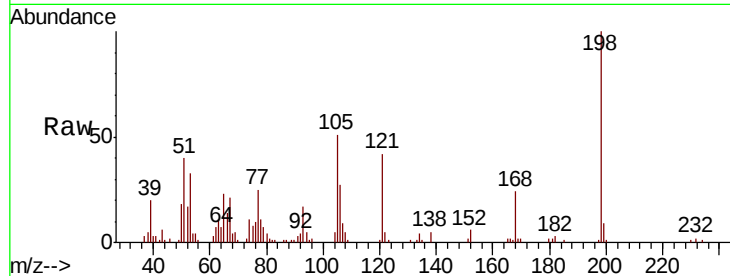




#65
4,6-Dinitro-2-methylphenol
Concen: 49.532 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	198	Resp	41436
Ion Ratio	100	Lower	Upper
51	40.3	25.9	65.9
105	51.0	29.4	69.4

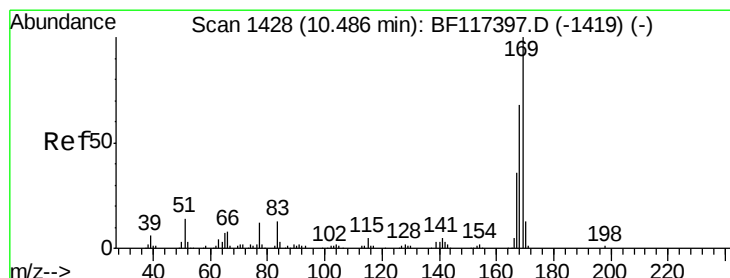
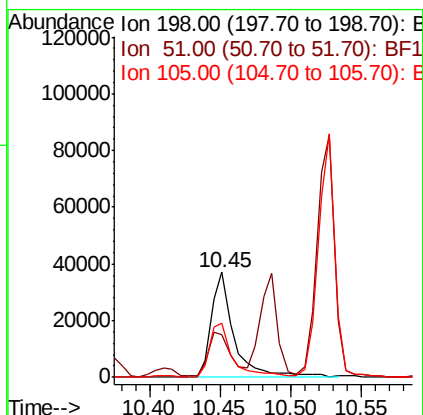
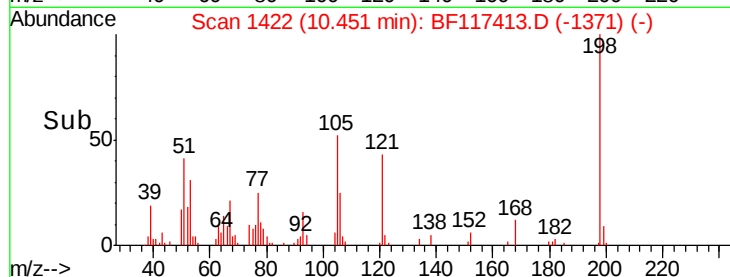


Abundance

Ion 198.00 (197.70 to 198.70): E

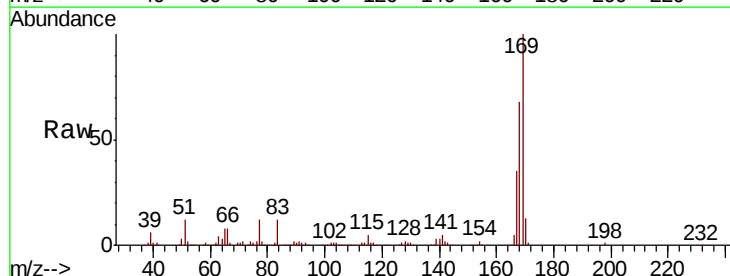
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 43.305 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	169	Resp	252505
Ion Ratio	100	Lower	Upper
168	68.4	54.1	81.1
167	35.5	28.8	43.2

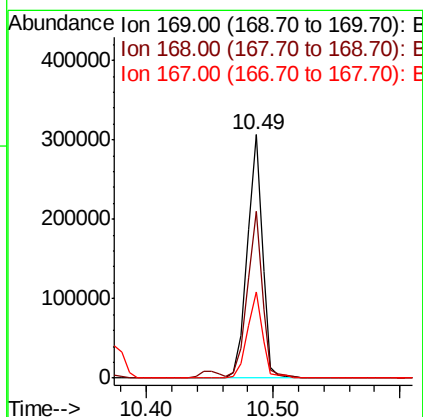
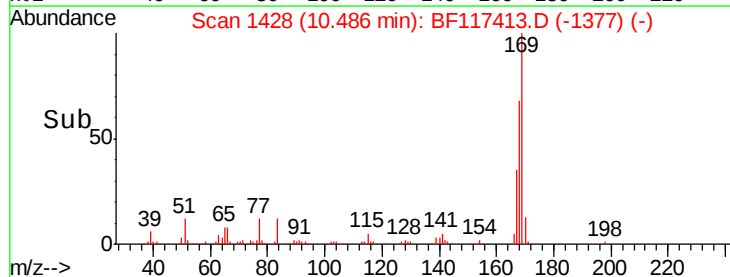


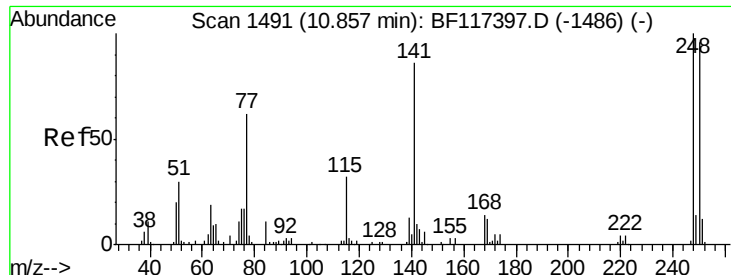
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

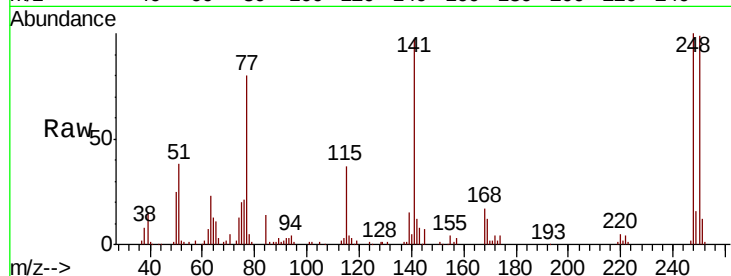




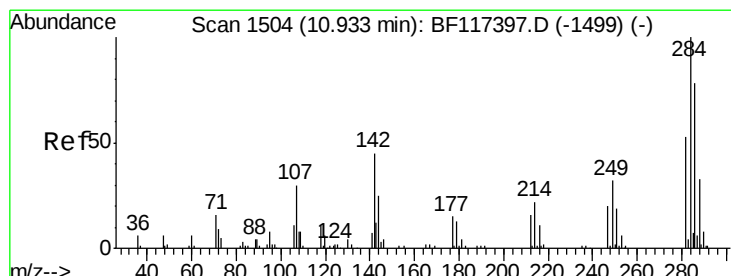
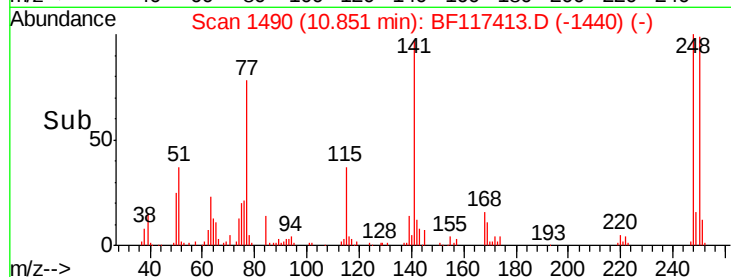
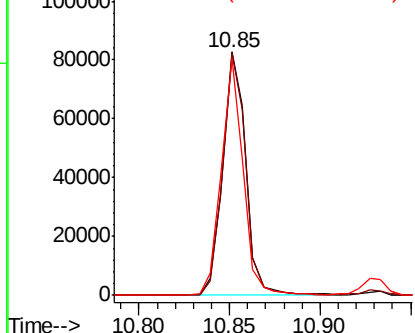
#67
4-Bromophenyl-phenylether
Concen: 42.651 ng
RT: 10.85 min Scan# 1490
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion:248 Resp: 73018
Ion Ratio Lower Upper
248 100
250 99.3 77.1 115.7
141 97.5 69.1 103.7

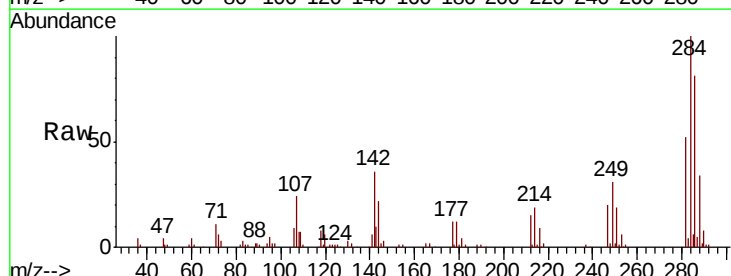


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

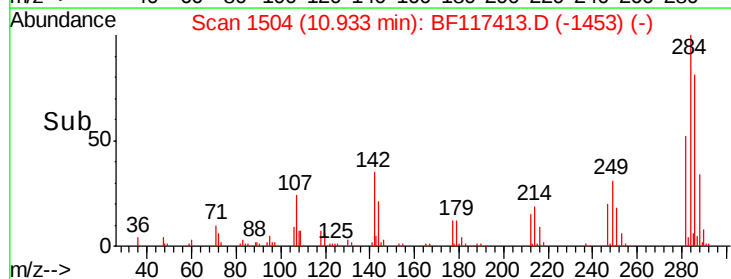
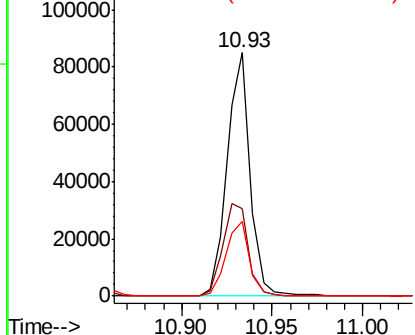


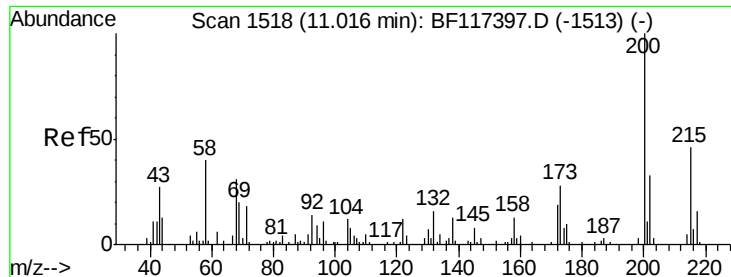
#68
Hexachlorobenzene
Concen: 40.817 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:284 Resp: 75044
Ion Ratio Lower Upper
284 100
142 35.9 35.7 53.5
249 30.7 25.8 38.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 74.705 ng

RT: 11.02 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

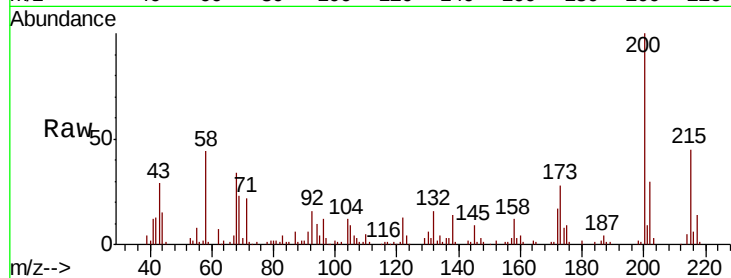
Tot Ion:200 Resp: 70632

Ion Ratio Lower Upper

200 100

173 27.8 8.0 48.0

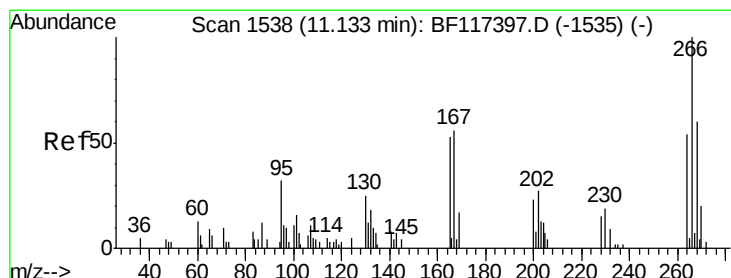
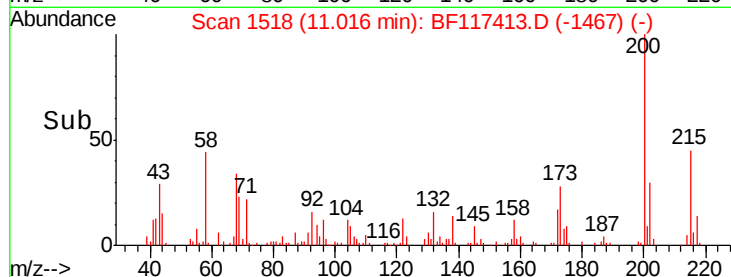
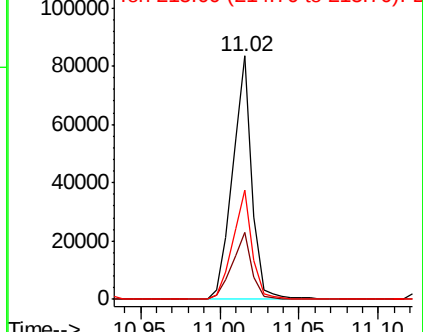
215 45.0 25.8 65.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 119.336 ng

RT: 11.13 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

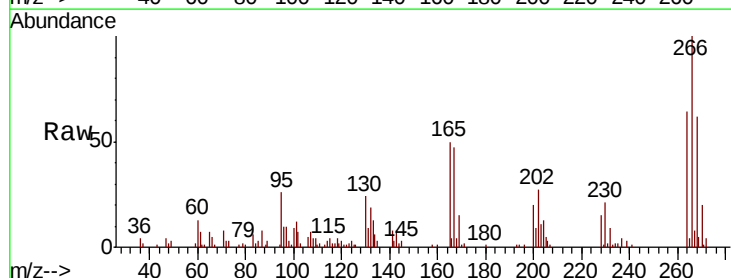
Tgt Ion:266 Resp: 65639

Ion Ratio Lower Upper

266 100

268 61.8 47.8 71.6

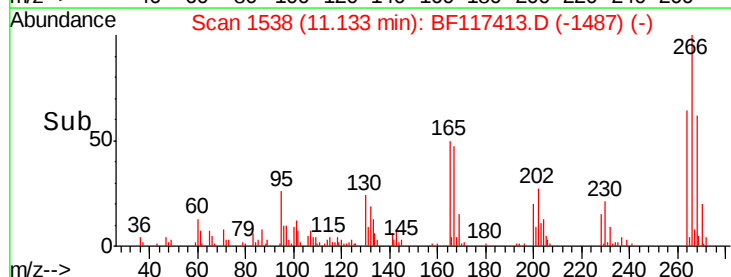
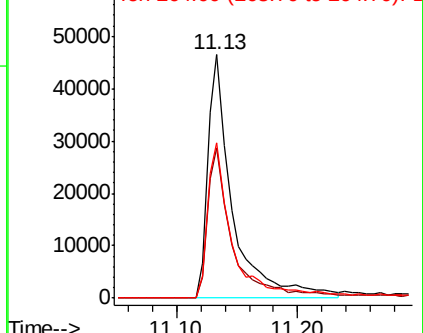
264 63.8 42.9 64.3

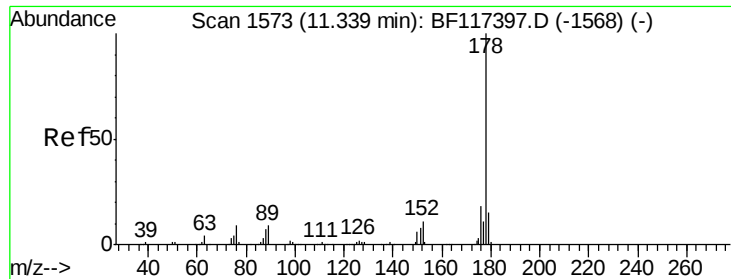


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

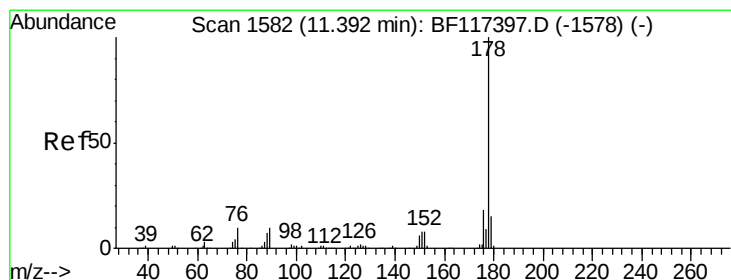
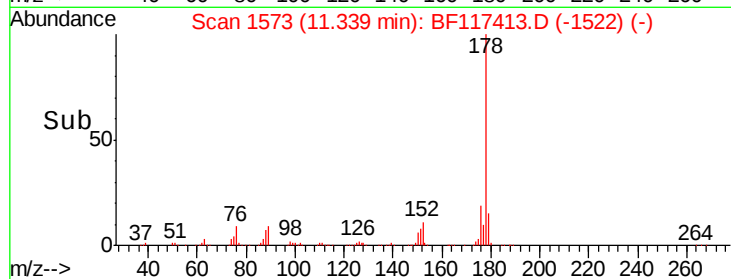
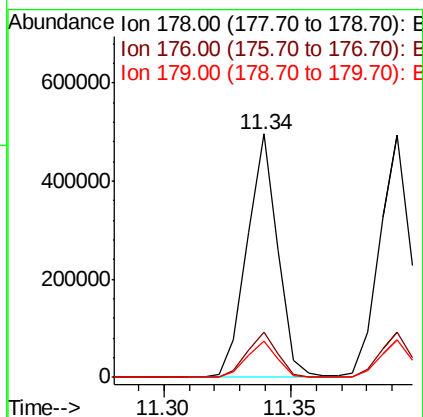
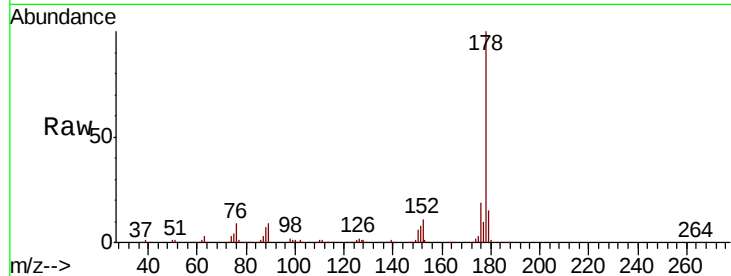




#71
Phenanthrene
Concen: 45.301 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

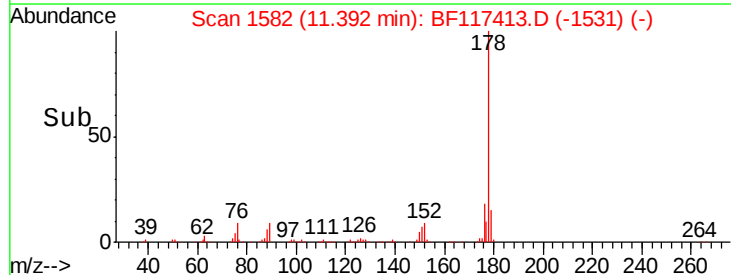
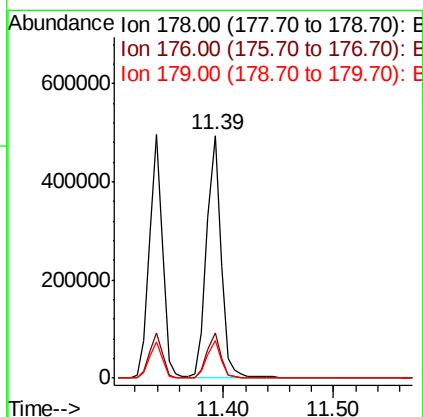
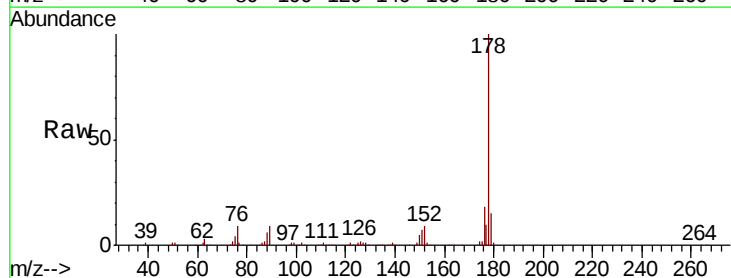
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

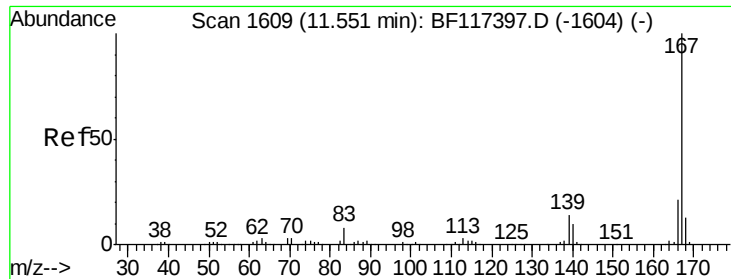
Tot Ion:178 Resp: 417984
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 15.1 12.3 18.5



#72
Anthracene
Concen: 45.716 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:178 Resp: 435439
Ion Ratio Lower Upper
178 100
176 18.4 14.4 21.6
179 15.3 12.1 18.1

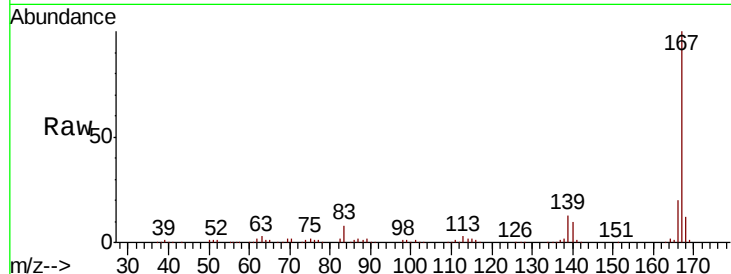




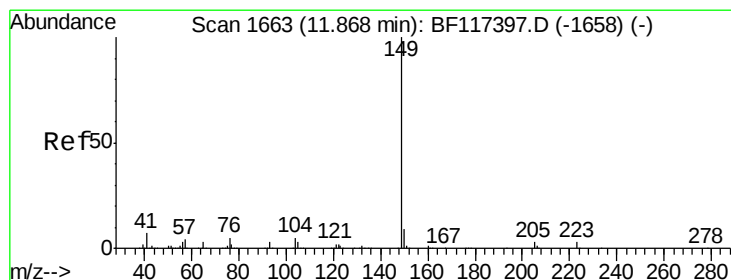
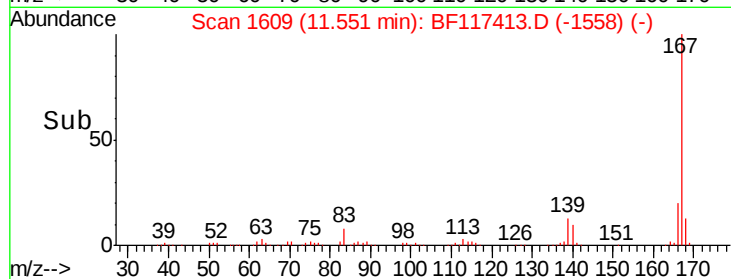
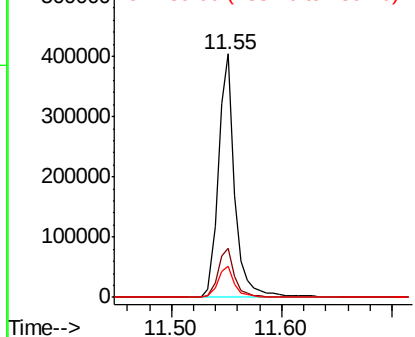
#73
 Carbazole
 Concen: 48.067 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion:167 Resp: 415880
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.0 25.4
 139 12.6 10.8 16.2

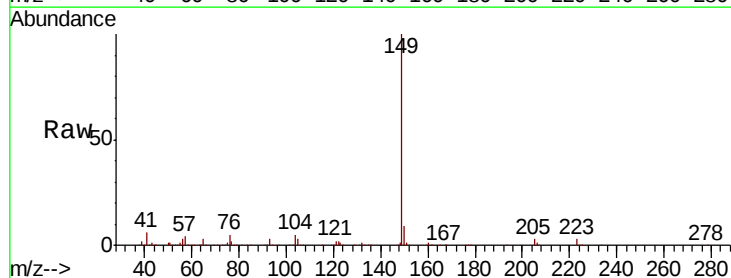


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

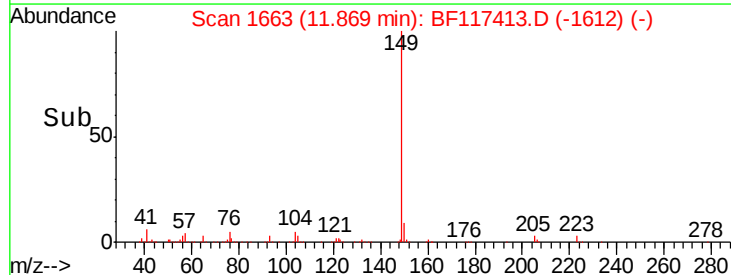
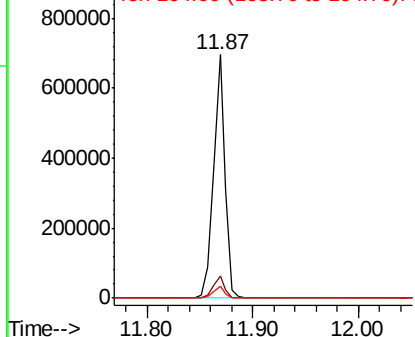


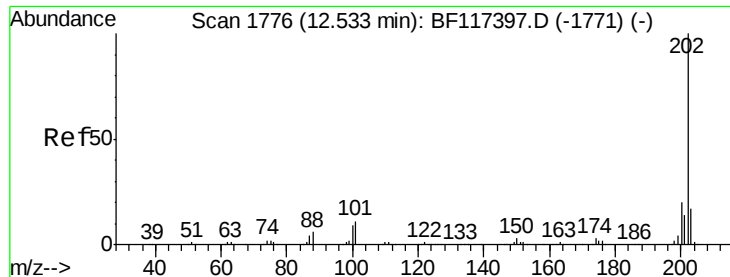
#74
 Di-n-butylphthalate
 Concen: 46.145 ng
 RT: 11.87 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion:149 Resp: 540631
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.0 10.6
 104 5.0 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

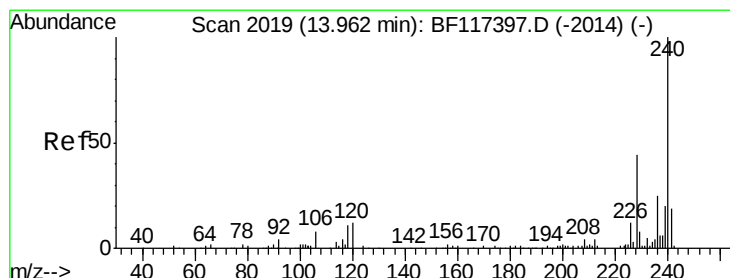
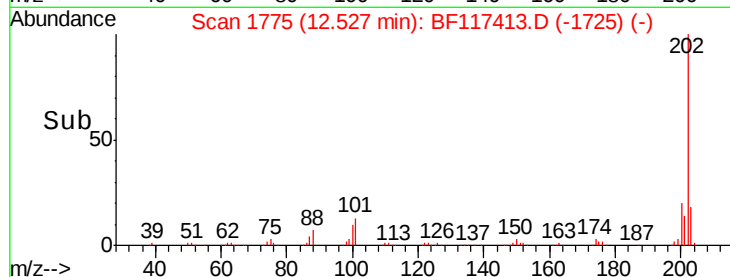
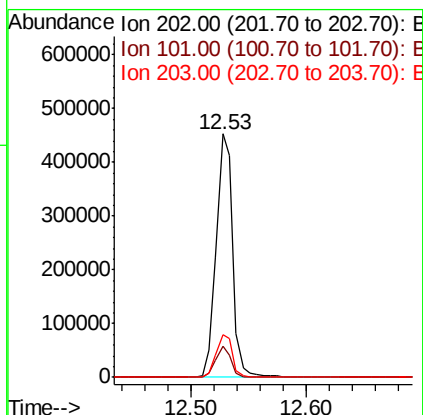
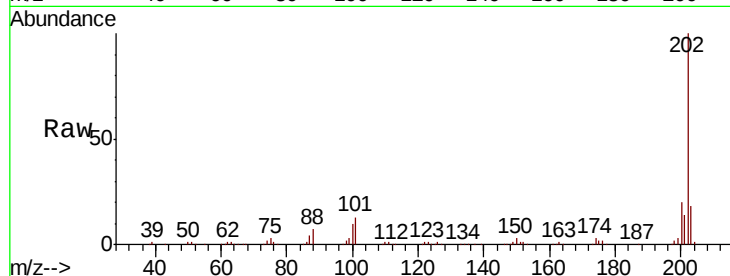




#75
 Fluoranthene
 Concen: 48.949 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

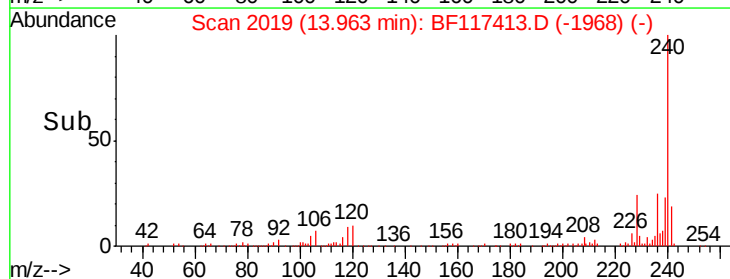
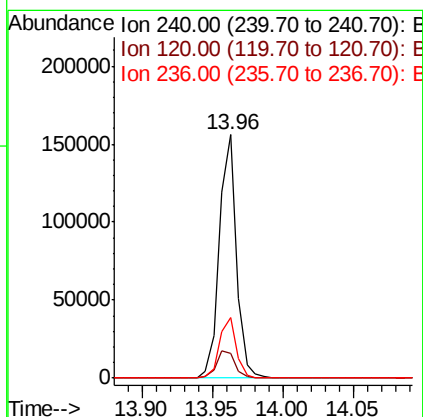
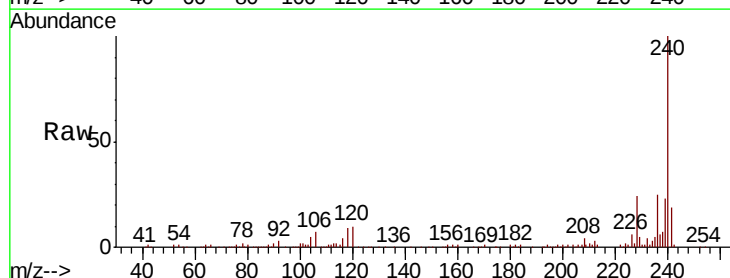
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

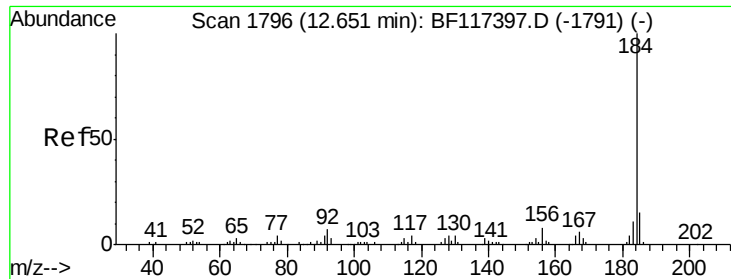
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.3
203	17.8	0.0	36.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.4	14.0
236	25.0	19.8	29.6

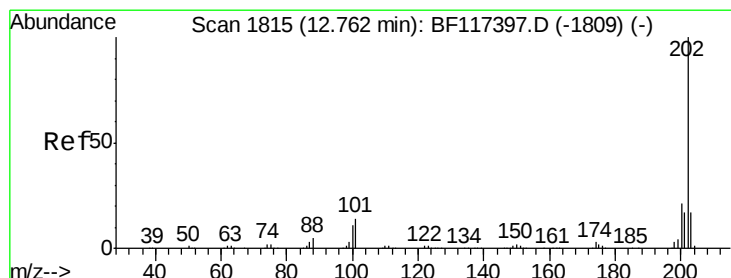
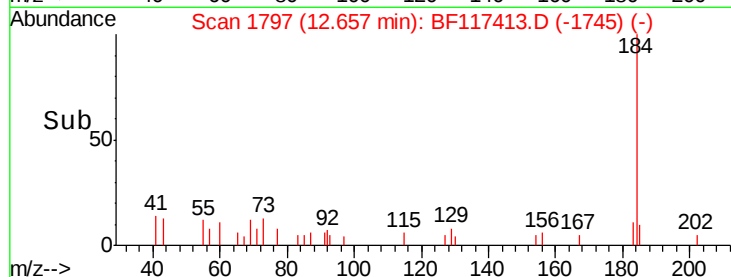
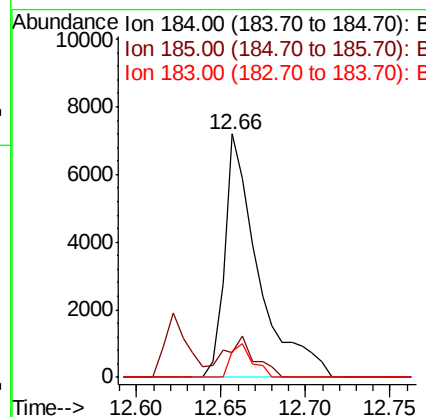
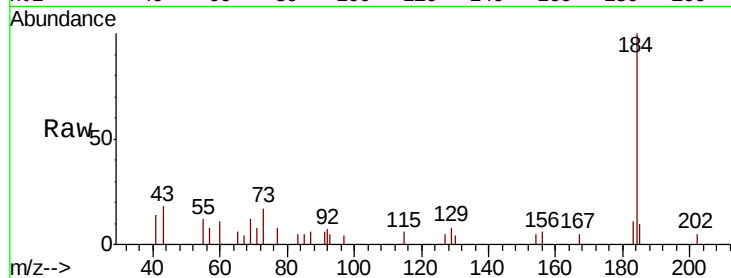




#77
Benzidine
Concen: 3.077 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

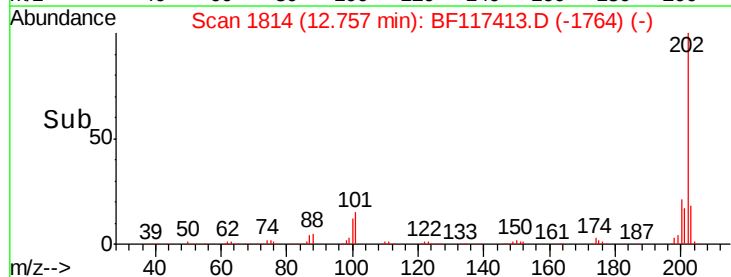
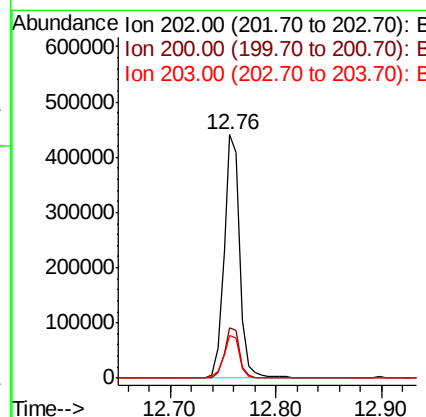
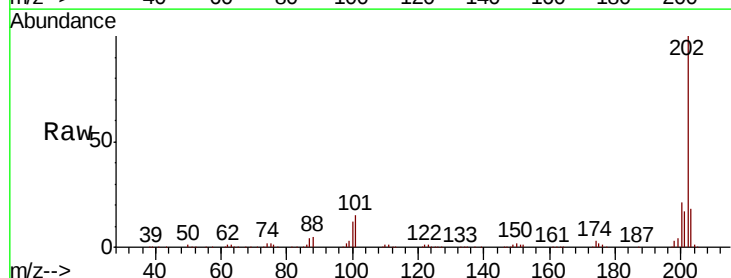
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

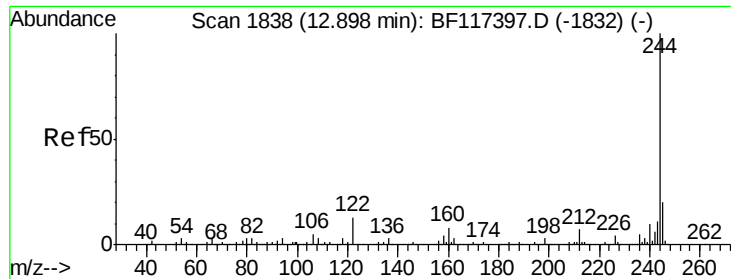
Tot Ion:184 Resp: 10019
Ion Ratio Lower Upper
184 100
185 10.4 12.2 18.2#
183 10.6 8.9 13.3



#78
Pyrene
Concen: 39.480 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:202 Resp: 459406
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 80.435 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

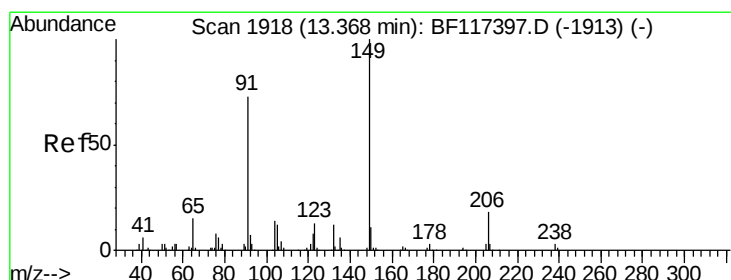
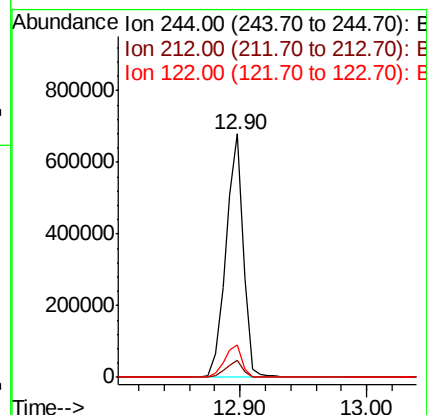
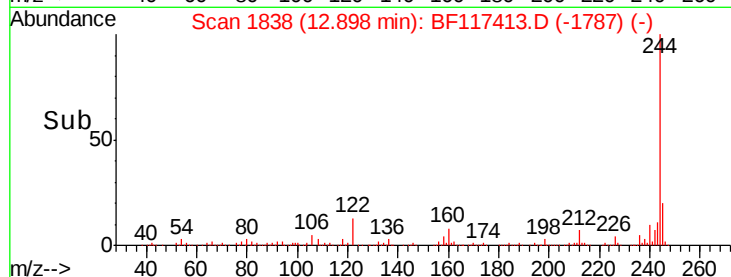
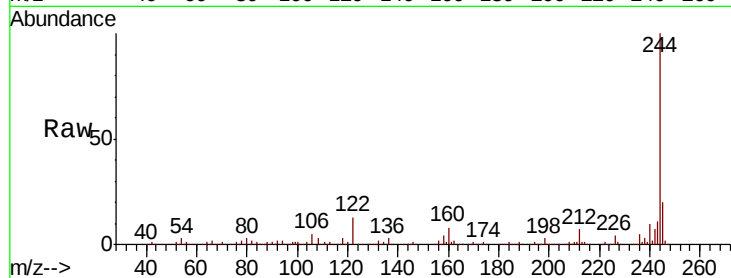
Tot Ion:244 Resp: 649554

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 13.2 10.7 16.1



#80

Butylbenzylphthalate

Concen: 41.444 ng

RT: 13.36 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

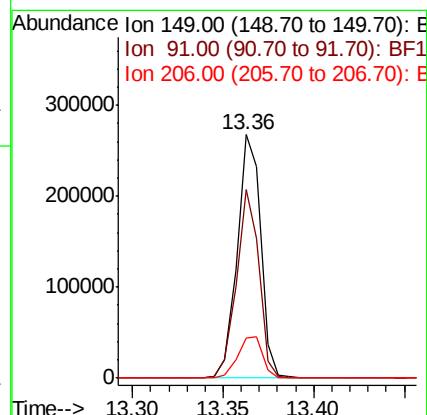
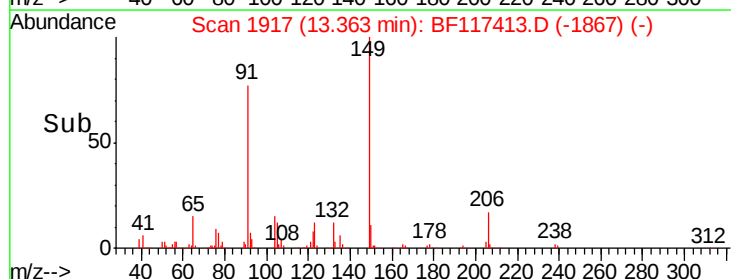
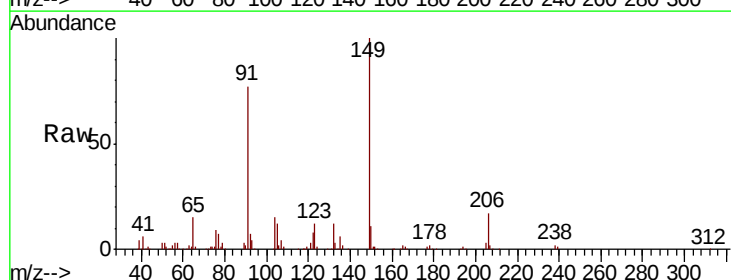
Tgt Ion:149 Resp: 242504

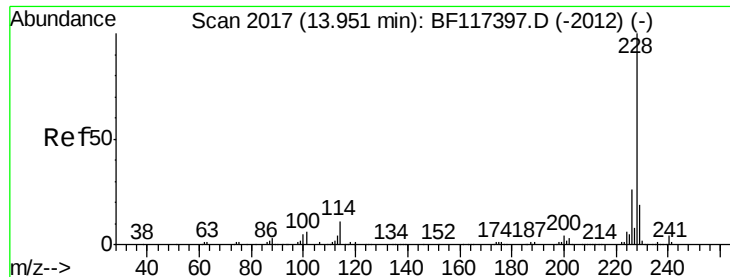
Ion Ratio Lower Upper

149 100

91 77.5 58.5 87.7

206 16.6 14.4 21.6

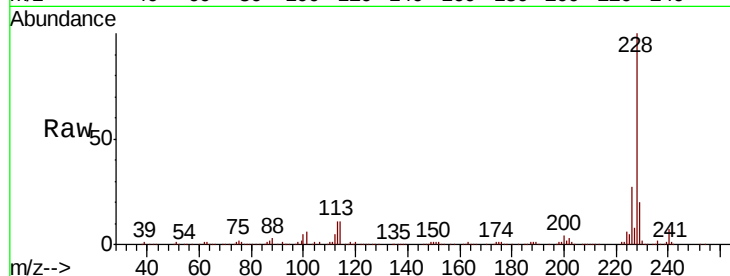




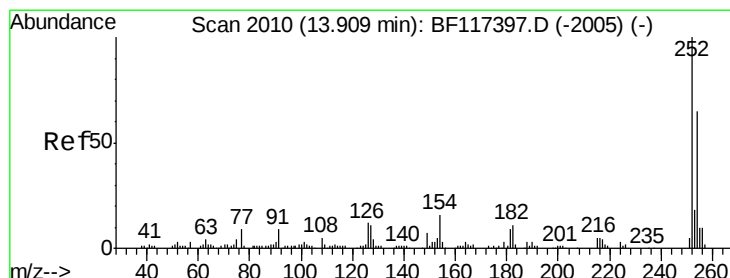
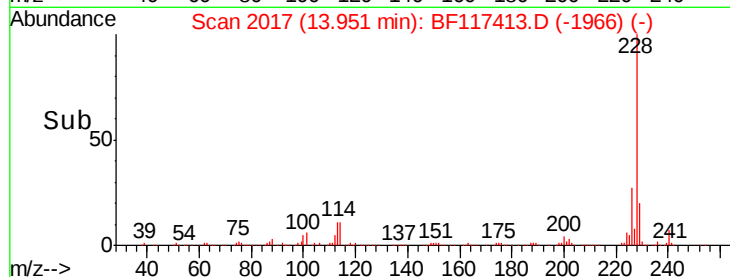
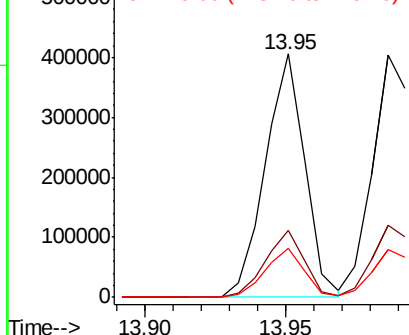
#81
Benzo(a)anthracene
Concen: 43.439 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion:228 Resp: 392364
Ion Ratio Lower Upper
228 100
226 27.4 20.9 31.3
229 19.9 15.2 22.8

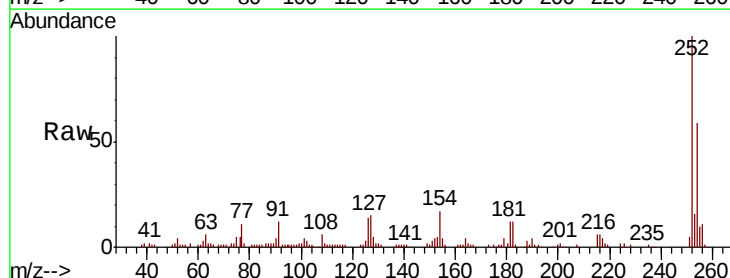


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

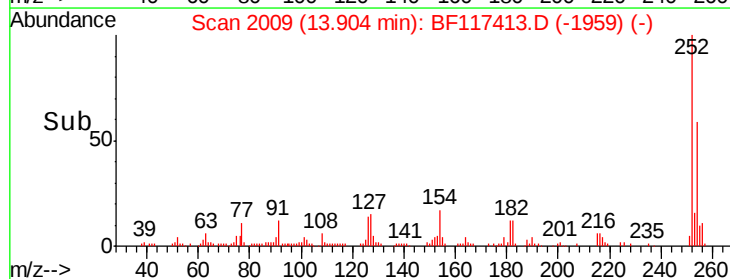
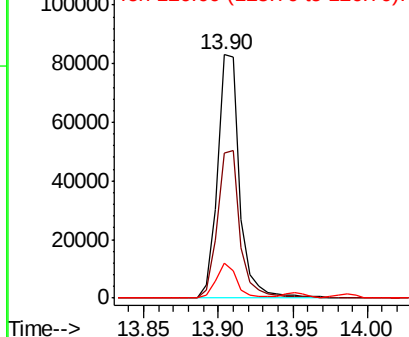


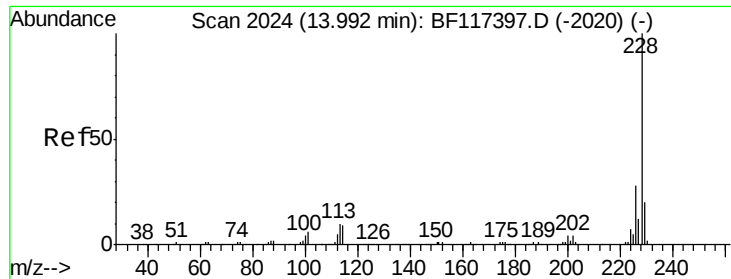
#82
3,3'-Dichlorobenzidine
Concen: 30.450 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:252 Resp: 86960
Ion Ratio Lower Upper
252 100
254 59.4 51.6 77.4
126 14.3 9.6 14.4



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





#83

Chrysene

Concen: 43.472 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

ClientSampleId :

OR-03-101119MSD

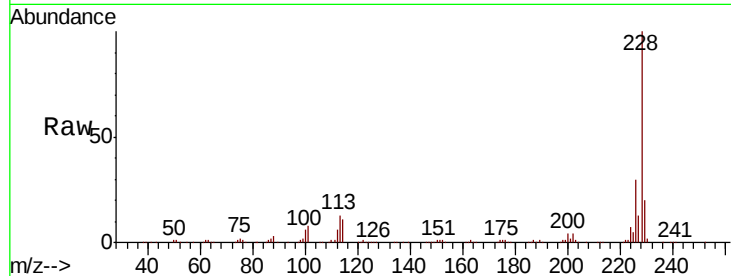
Tot Ion:228 Resp: 387231

Ion Ratio Lower Upper

228 100

226 29.7 22.8 34.2

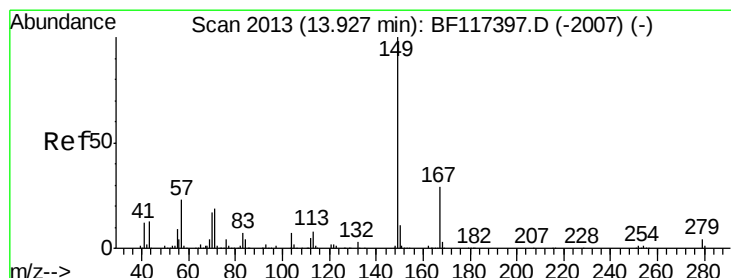
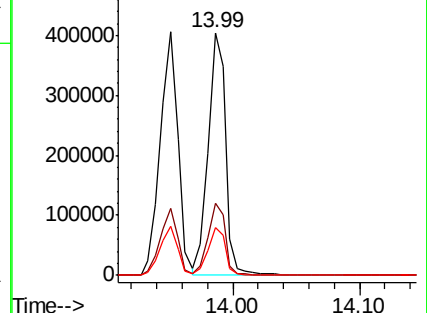
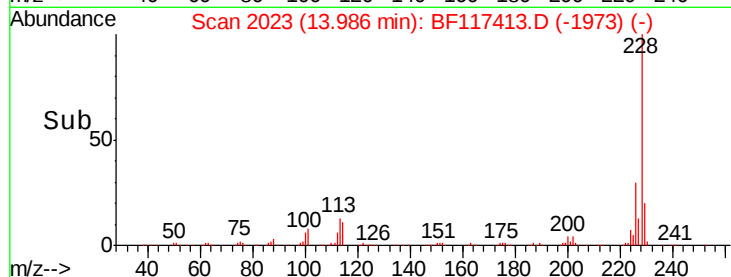
229 19.9 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.850 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

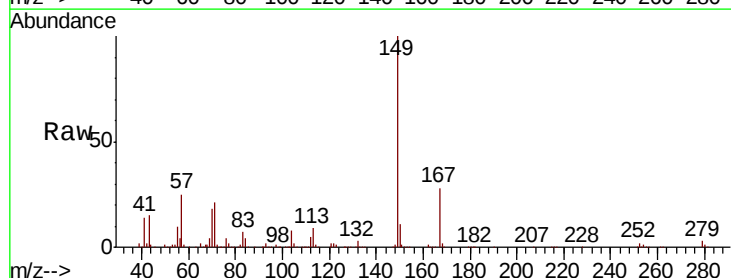
Tgt Ion:149 Resp: 353528

Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.6

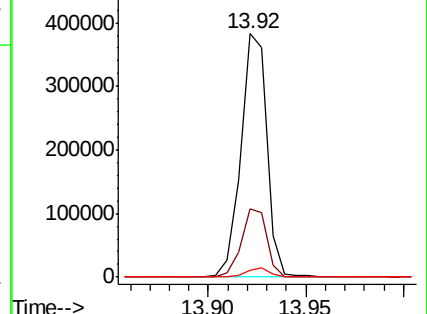
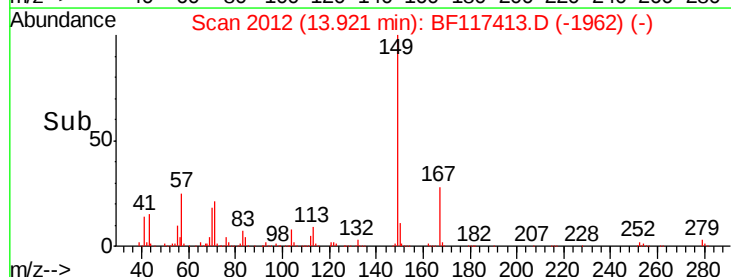
279 3.1 3.0 4.6

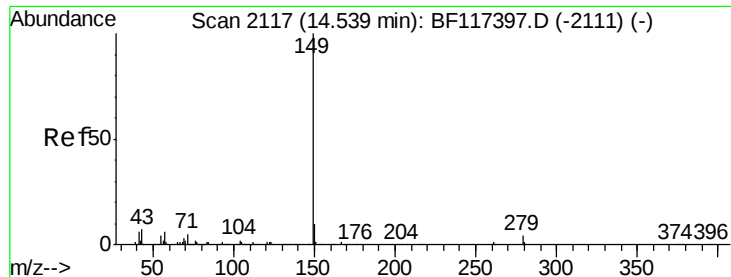


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

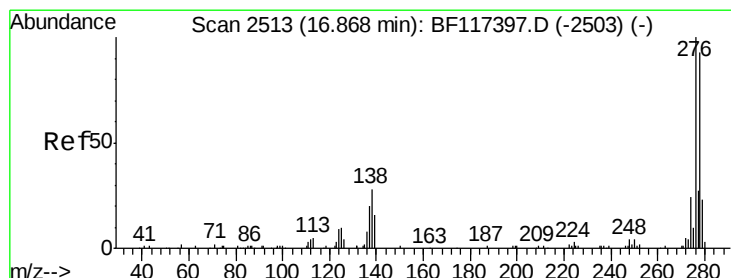
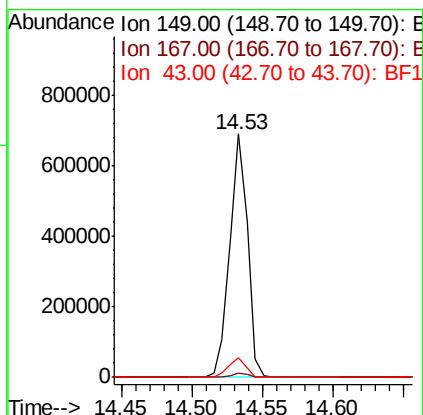
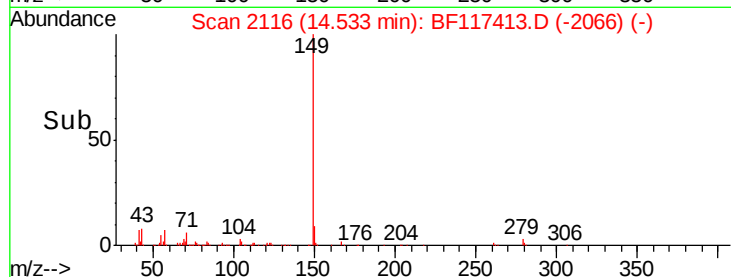
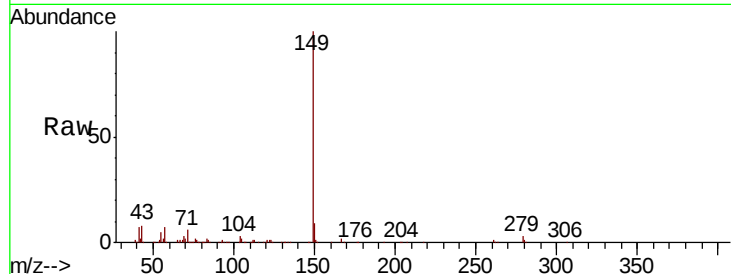




#85
Di-n-octyl phthalate
Concen: 48.306 ng
RT: 14.53 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

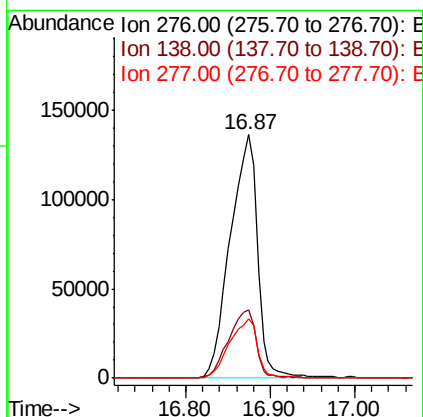
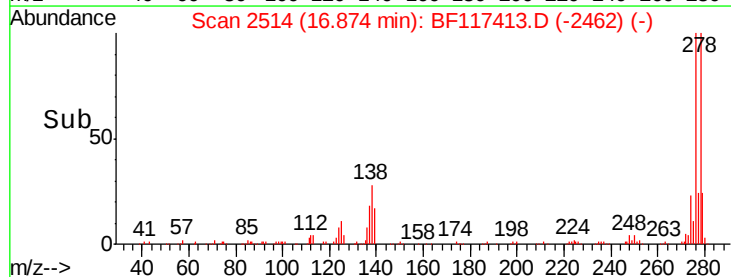
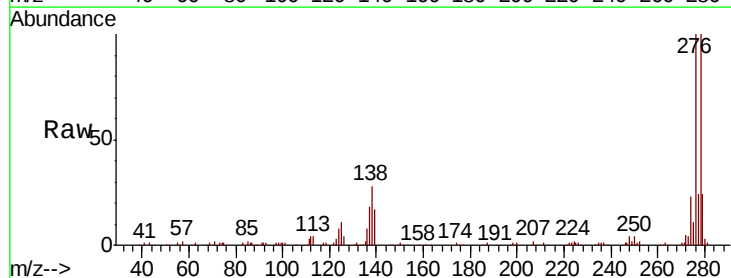
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

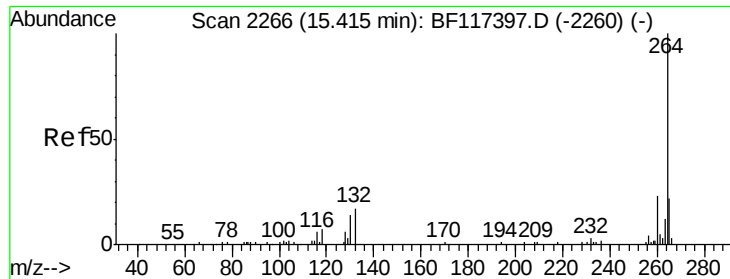
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	7.9	6.6	9.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 48.867 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.5	32.3
277	24.8	20.1	30.1

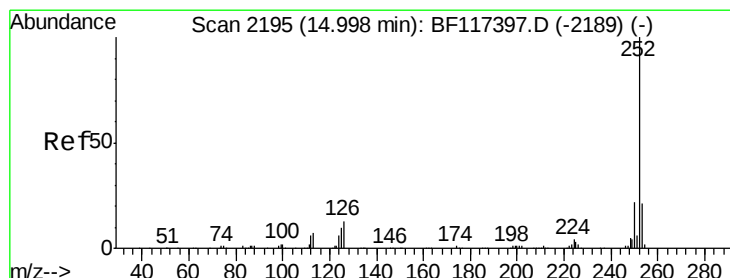
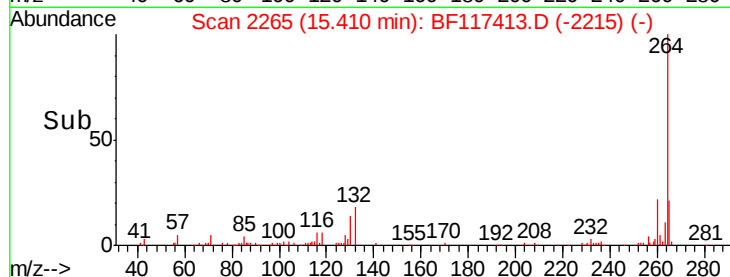
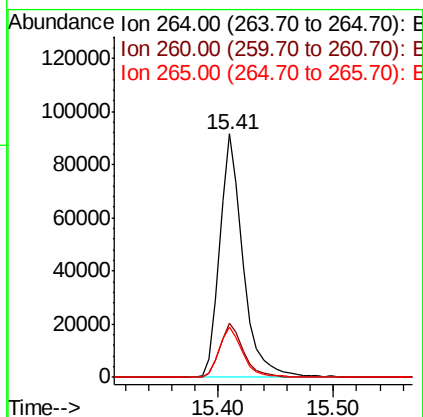
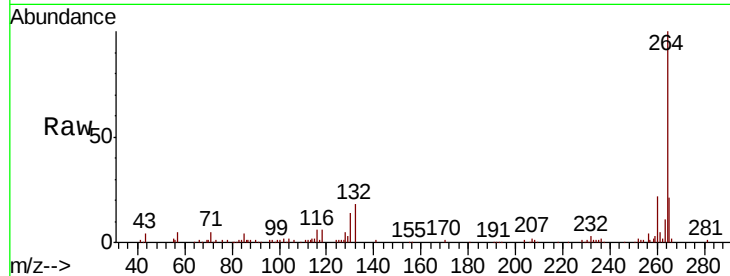




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

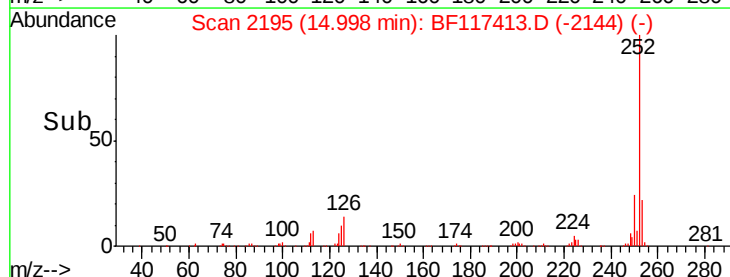
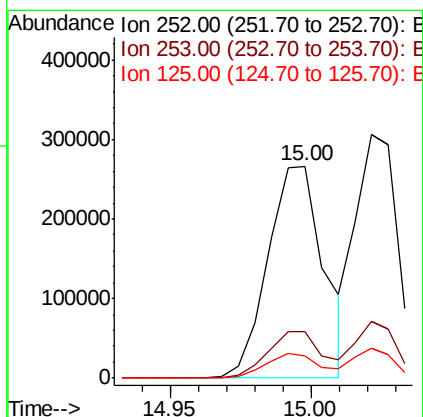
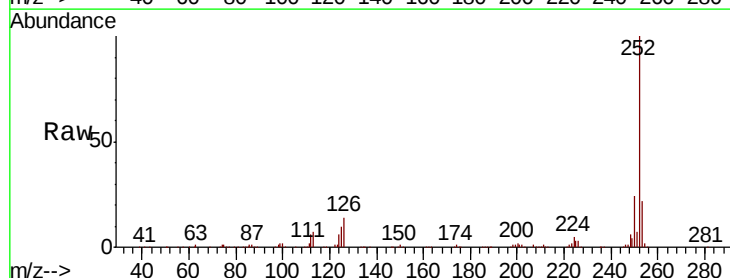
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

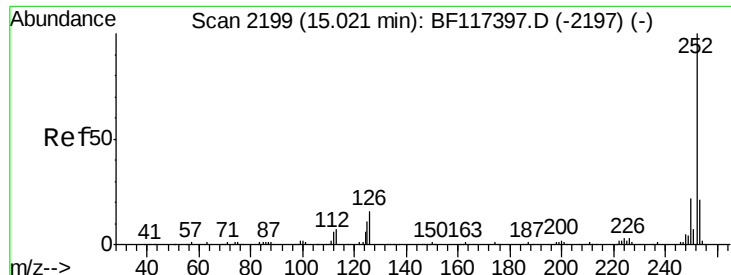
Tot Ion:264 Resp: 127691
Ion Ratio Lower Upper
264 100
260 22.3 18.6 27.8
265 20.9 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 46.107 ng
RT: 15.00 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:252 Resp: 366522
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 10.3 8.2 12.2

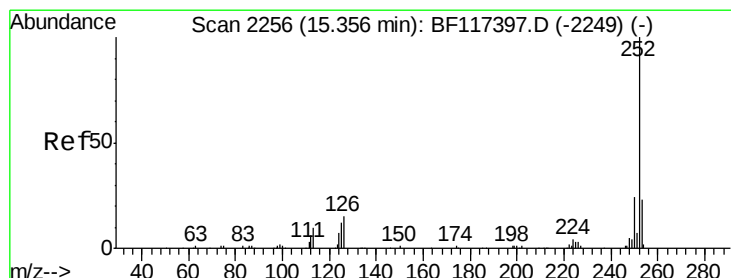
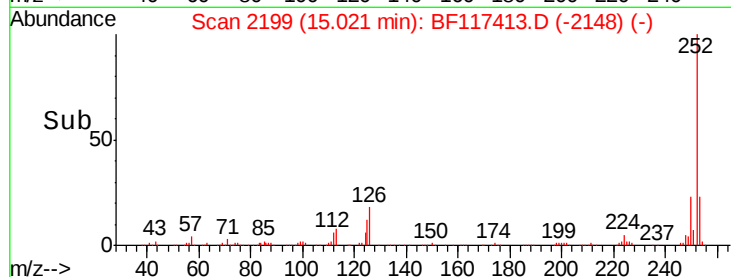
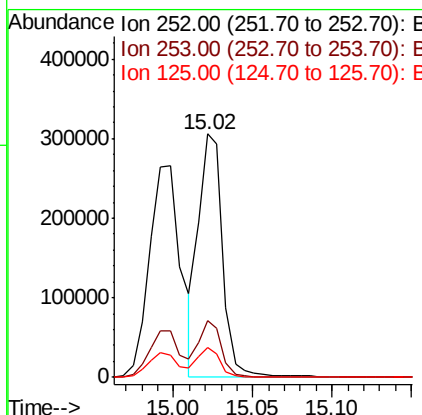
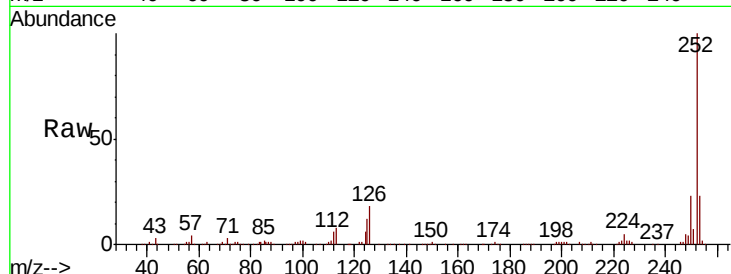




#89
Benzo(k)fluoranthene
Concen: 41.131 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

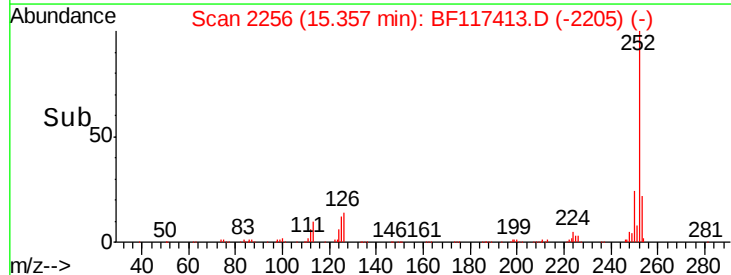
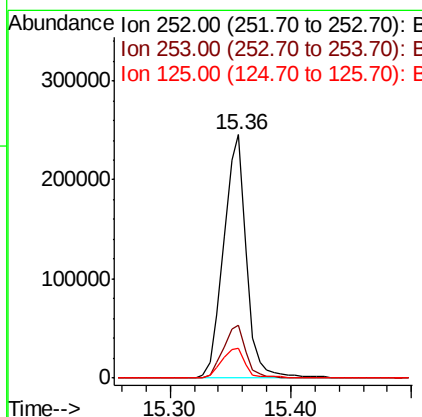
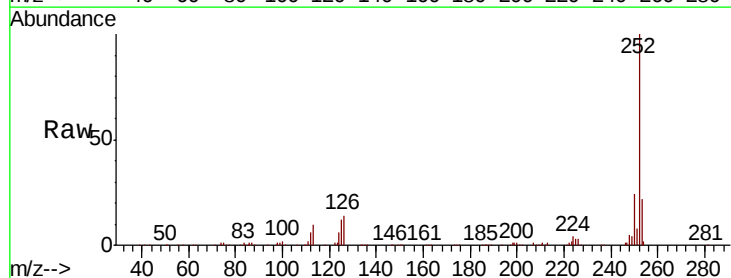
Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

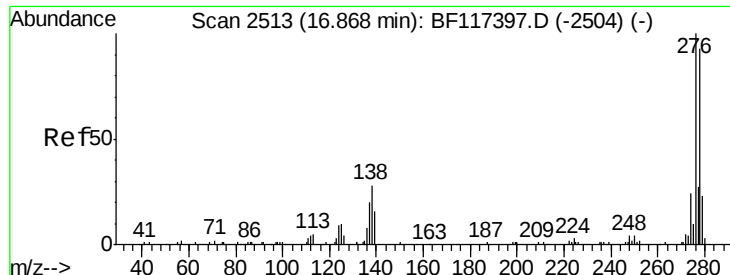
Tot Ion:252 Resp: 324941
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 12.3 9.4 14.2



#90
Benzo(a)pyrene
Concen: 45.510 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion:252 Resp: 320355
Ion Ratio Lower Upper
252 100
253 21.5 18.0 27.0
125 12.1 9.4 14.0

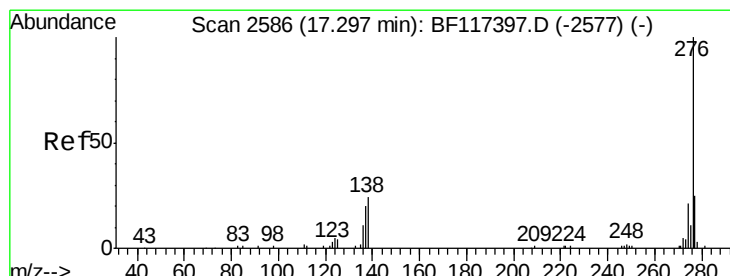
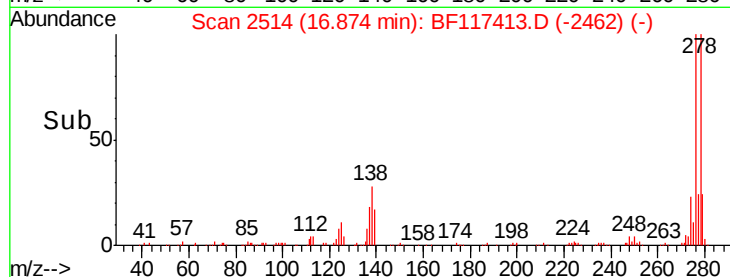
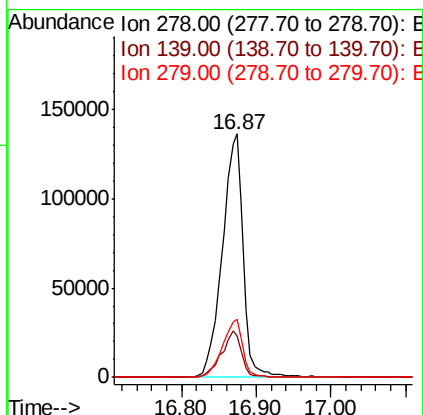
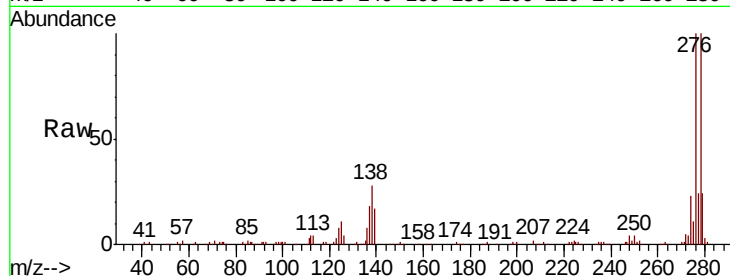




#91
Dibenzo(a,h)anthracene
Concen: 44.012 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.1	21.1
279	23.9	19.8	29.6



#92
Benzo(g,h,i)perylene
Concen: 41.762 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.9	29.9
138	24.3	19.3	28.9

