

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117522.D
 Acq On : 24 Oct 2019 20:39
 Operator : JU
 Sample : K5499-09 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

Quant Time: Oct 25 01:06:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	51623	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	221793	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	109193	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	150472	20.00	ng	0.00
76) Chrysene-d12	13.90	240	101513	20.00	ng	0.00
87) Perylene-d12	15.33	264	92566	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	124348	35.84	ng	0.00
7) Phenol-d6	6.39	99	177366	38.06	ng	0.00
23) Nitrobenzene-d5	7.30	82	107381	23.90	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	28770	30.45	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	184988	23.87	ng	0.00
79) Terphenyl-d14	12.83	244	127301	20.45	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.12	88	112	0.077	ng	# 29
9) Benzaldehyde	6.51	77	3284	Below	Cal	# 81
10) Phenol	6.40	94	407	0.086	ng	# 1
15) Benzyl Alcohol	6.89	79	1507	0.453	ng	# 55
19) n-Nitroso-di-n-propylamine	7.30	70	13583	4.772	ng	# 75
24) Nitrobenzene	7.30	77	238	0.055	ng	# 41
25) Isophorone	7.30	82	107380	13.816	ng	# 65
31) Naphthalene	8.04	128	8929	0.812	ng	# 96
33) 4-Chloroaniline	8.03	127	1051	0.227	ng	# 42
37) 2-Methylnaphthalene	8.73	142	4991	0.674	ng	# 95
38) 1-Methylnaphthalene	8.83	142	4921	0.707	ng	# 98
46) 1,1'-Biphenyl	9.19	154	1605	0.178	ng	# 94
48) 2-Nitroaniline	9.49	65	114	0.051	ng	# 1
49) Acenaphthylene	9.63	152	8078	0.807	ng	# 94
50) Dimethylphthalate	9.49	163	16975	2.181	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	14344	8.830	ng	# 24
52) Acenaphthene	9.80	154	10331	1.682	ng	# 92
55) Dibenzofuran	9.97	168	11051	1.242	ng	# 93
56) 4-Nitrophenol	9.97	139	4525	8.860	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	14344	6.642	ng	# 14
58) Fluorene	10.32	166	17171	2.333	ng	# 94
63) Azobenzene	10.46	77	113	0.014	ng	# 1
66) n-Nitrosodiphenylamine	10.43	169	278	0.051	ng	# 23
67) 4-Bromophenyl-phenylether	10.56	248	1658	1.023	ng	# 1
71) Phenanthrene	11.27	178	161050	18.432	ng	# 98
72) Anthracene	11.33	178	42169	4.704	ng	# 98
73) Carbazole	11.49	167	12929	1.578	ng	# 100
74) Di-n-butylphthalate	11.81	149	1148	0.105	ng	# 62
75) Fluoranthene	12.47	202	178736	20.435	ng	# 99
77) Benzidine	12.83	184	1693	Below	Cal	# 67
78) Pyrene	12.70	202	147388	16.903	ng	# 100
80) Butylbenzylphthalate	13.30	149	1914	0.441	ng	# 95
81) Benzo(a)anthracene	13.89	228	76490	11.171	ng	# 99
82) 3,3'-Dichlorobenzidine	13.92	252	334	0.155	ng	# 1

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 QLast Update : Fri Oct 18 18:53:31 2019
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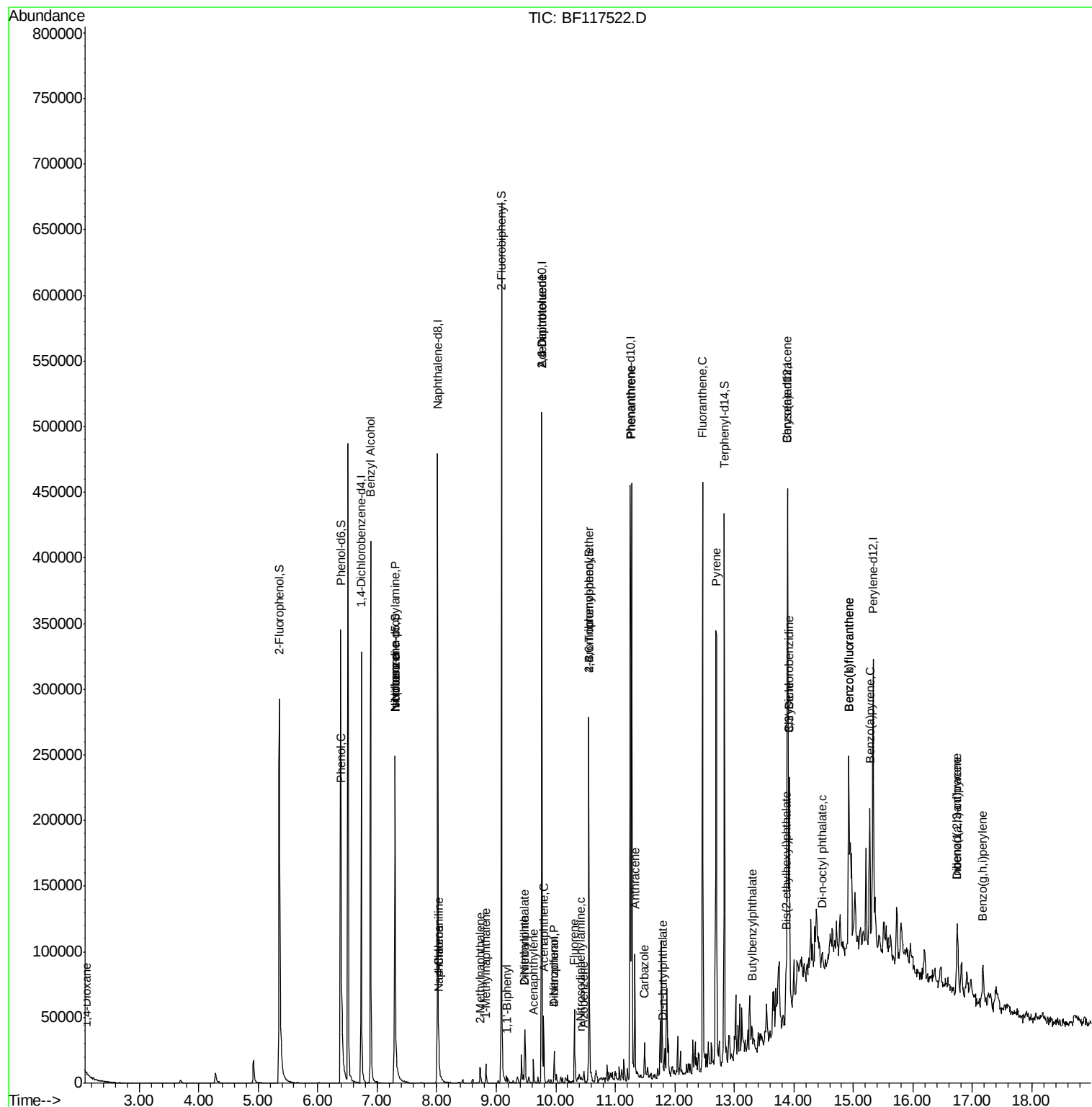
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	13.92	228	62687	9.341	nq	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	6479	1.066	nq #	94
85) Di-n-octyl phthalate	14.47	149	146	0.016	nq #	1
86) Indeno(1,2,3-cd)pyrene	16.74	276	23907	4.771	nq	97
88) Benzo(b)fluoranthene	14.92	252	101097	18.495	nq	98
89) Benzo(k)fluoranthene	14.92	252	101097	18.045	nq #	96
90) Benzo(a)pyrene	15.27	252	46445	9.345	nq	96
91) Dibenzo(a,h)anthracene	16.74	278	6851	1.594	nq #	60
92) Benzo(g,h,i)perylene	17.17	276	21359	5.253	nq #	88

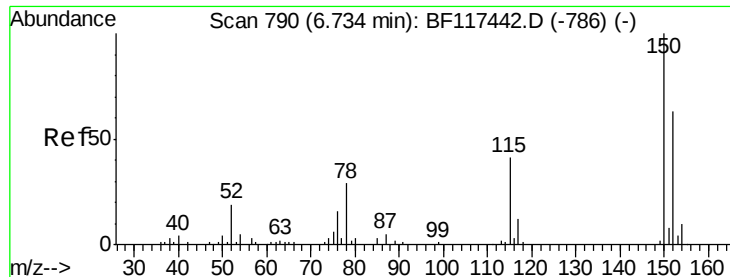
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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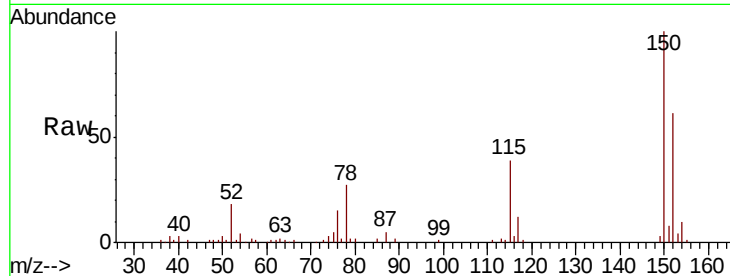


#1

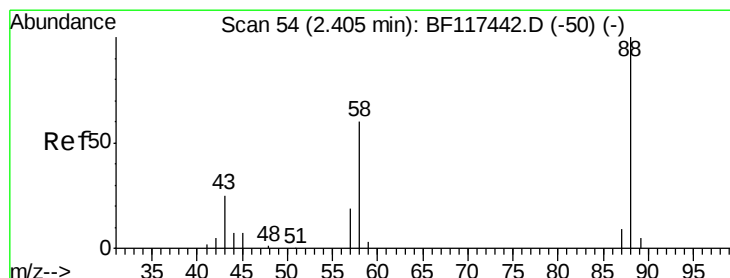
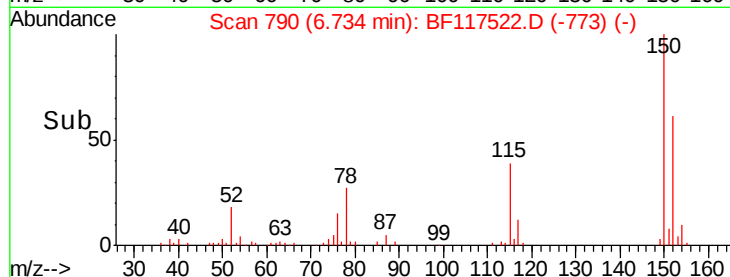
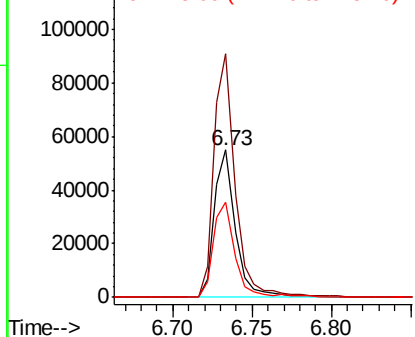
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion:152 Resp: 51623
Ion Ratio Lower Upper
152 100
150 165.2 126.8 190.2
115 64.8 51.6 77.4



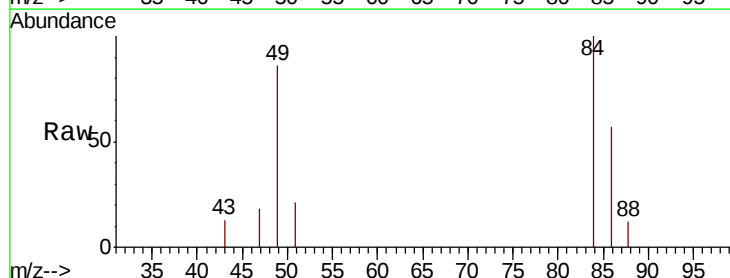
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



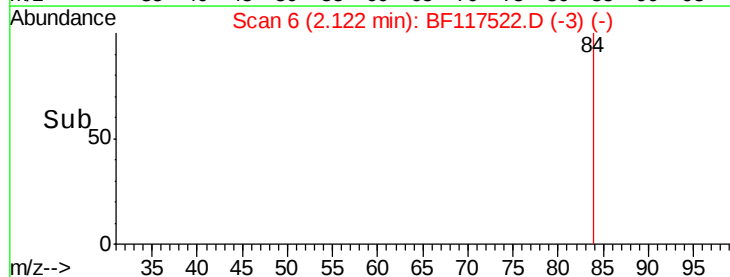
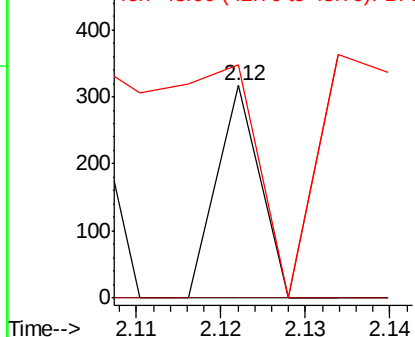
#2

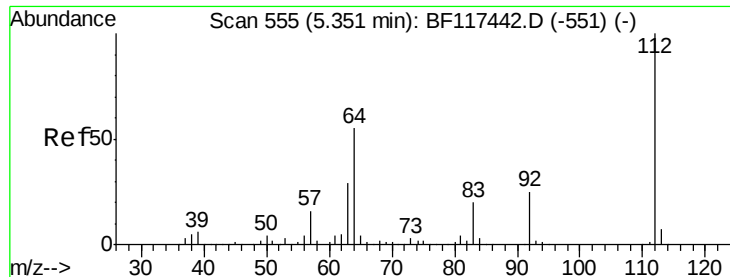
1,4-Dioxane
Concen: 0.077 ng
RT: 2.12 min Scan# 6
Delta R.T. -0.28 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
58 0.0 48.8 73.2#
43 0.0 18.5 27.7#



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





#5

2-Fluorophenol

Concen: 35.835 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

197-74-(0-1)

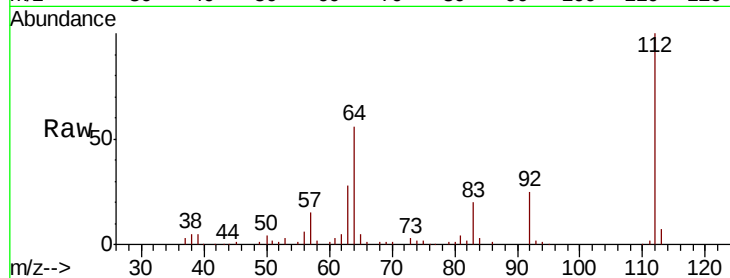
Tot Ion:112 Resp: 124348

Ion Ratio Lower Upper

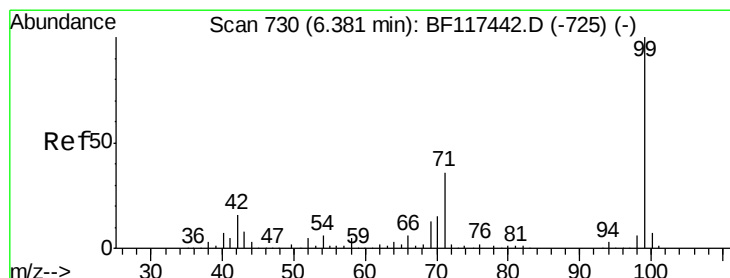
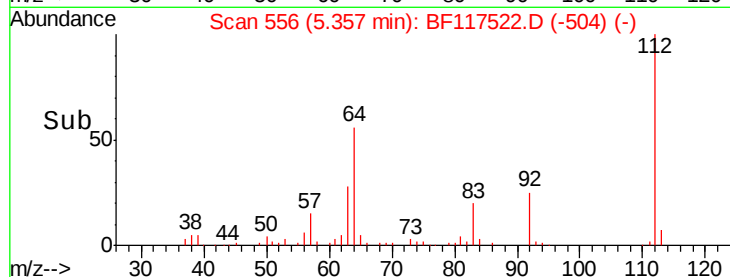
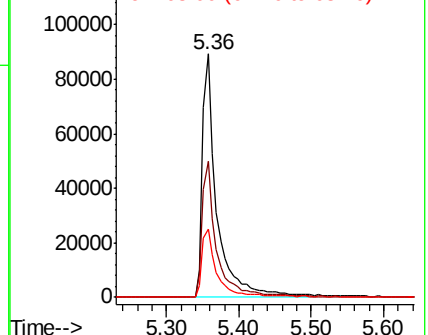
112 100

64 55.7 44.1 66.1

63 27.9 23.4 35.2



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



#7

Phenol-d6

Concen: 38.057 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

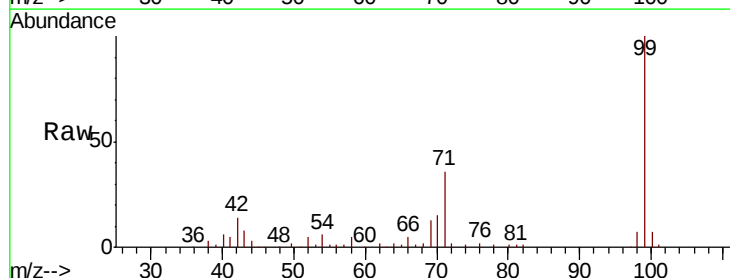
Tgt Ion: 99 Resp: 177366

Ion Ratio Lower Upper

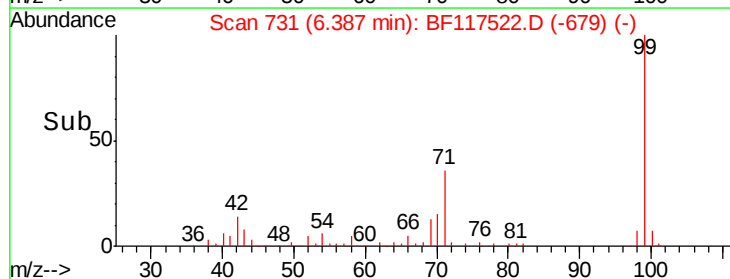
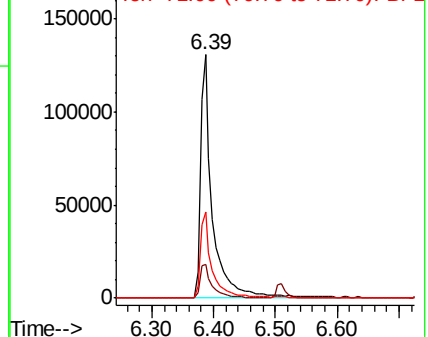
99 100

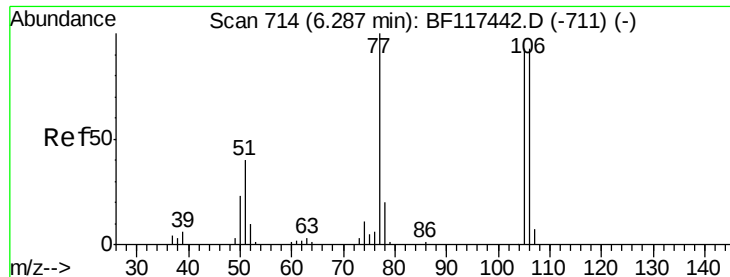
42 13.9 12.8 19.2

71 35.6 28.6 43.0



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





#9

Benzaldehyde

Concen: Below Cal

RT: 6.51 min Scan# 752

Delta R.T. 0.22 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

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197-74-(0-1)

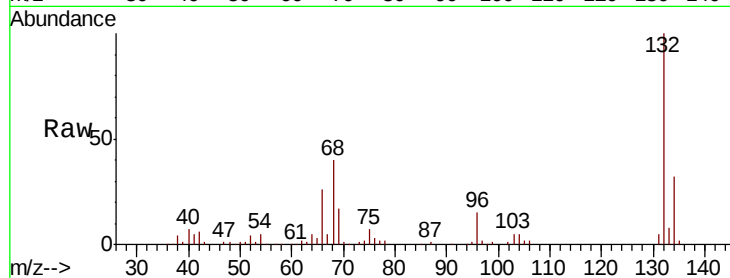
Tot Ion: 77 Resp: 3284

Ion Ratio Lower Upper

77 100

105 81.3 73.4 113.4

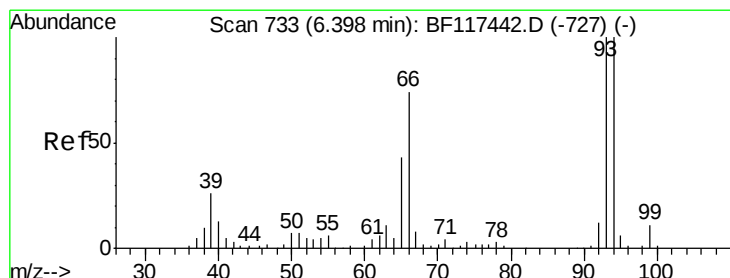
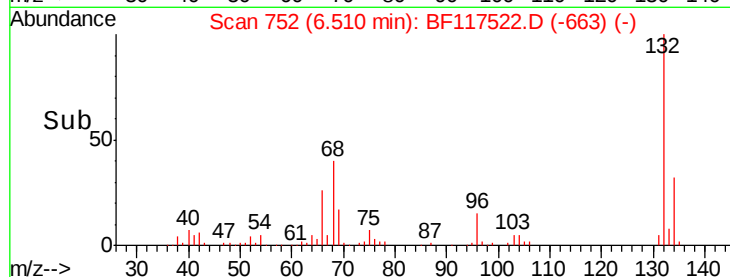
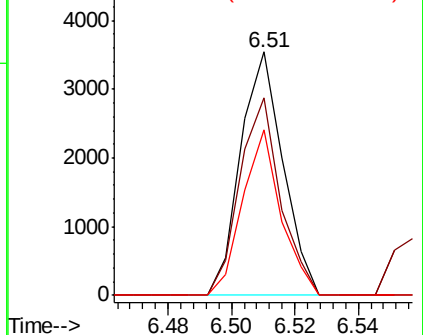
106 68.1 73.0 113.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 0.086 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

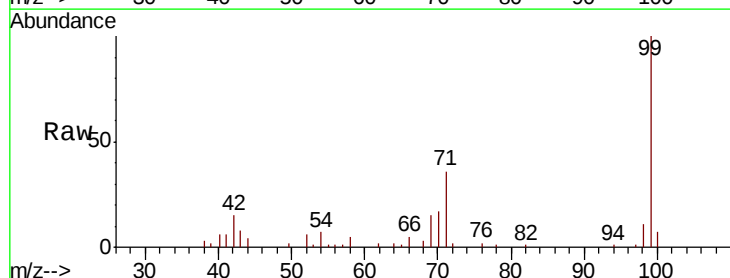
Tgt Ion: 94 Resp: 407

Ion Ratio Lower Upper

94 100

65 125.6 23.4 63.4#

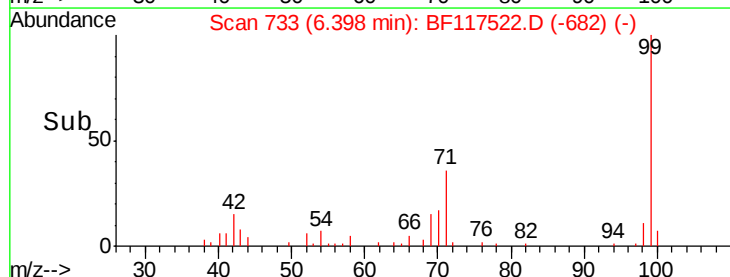
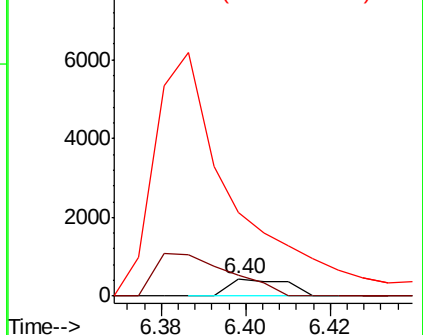
66 490.6 54.7 94.7#

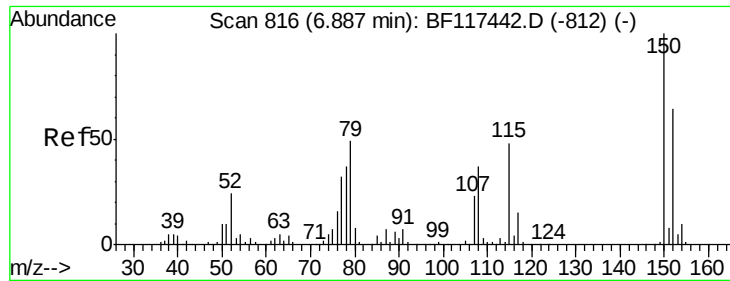


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 0.453 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF117522.D

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Instrument :

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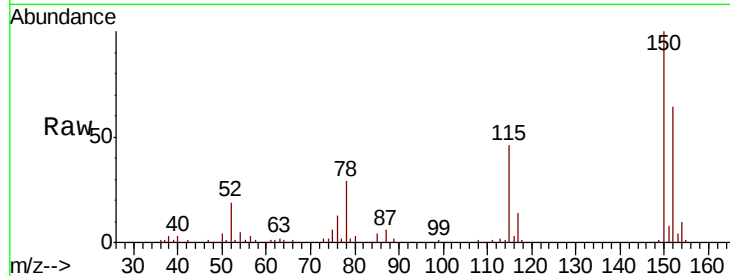
Tot Ion: 79 Resp: 1507

Ion Ratio Lower Upper

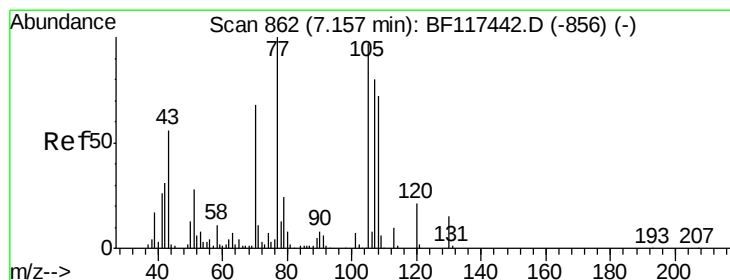
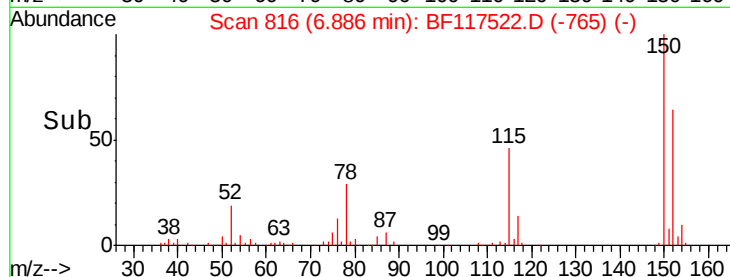
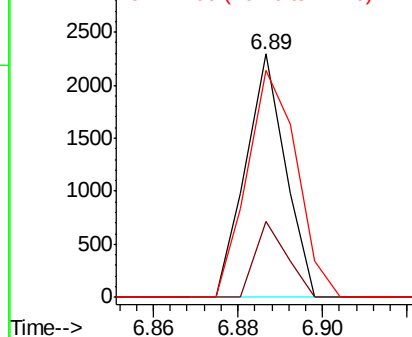
79 100

108 31.3 59.8 89.8#

77 93.2 51.4 77.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 4.772 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Tgt Ion: 70 Resp: 13583

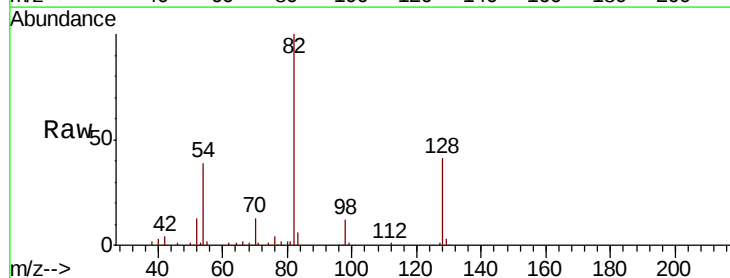
Ion Ratio Lower Upper

70 100

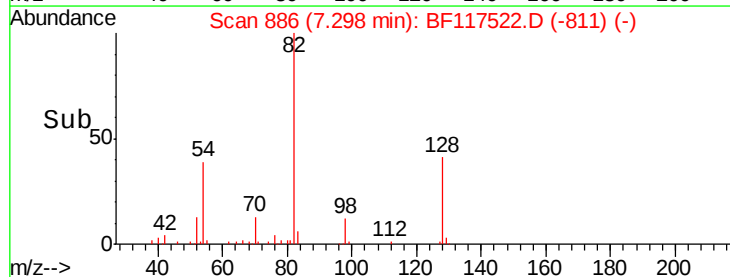
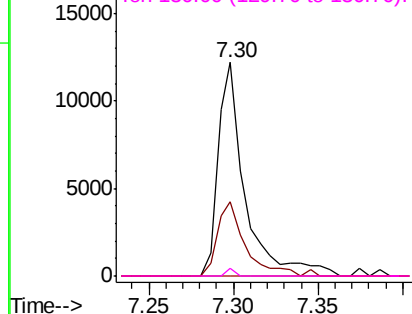
42 35.0 36.7 55.1#

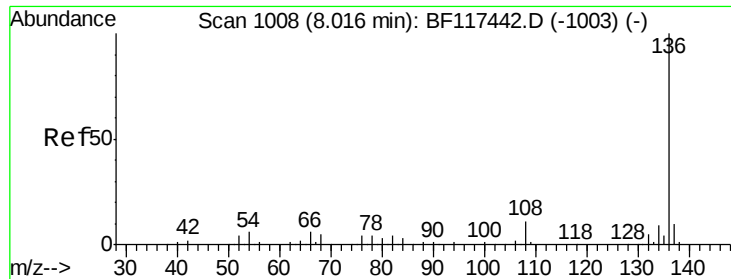
101 0.0 8.3 12.5#

130 3.4 18.1 27.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

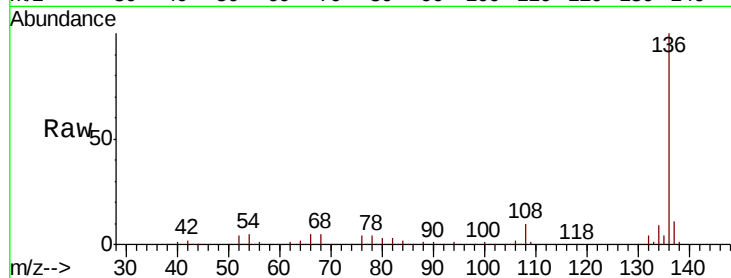




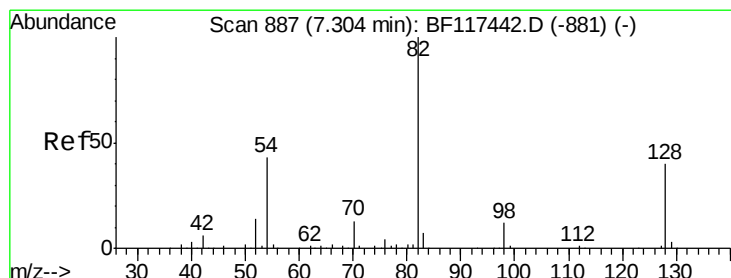
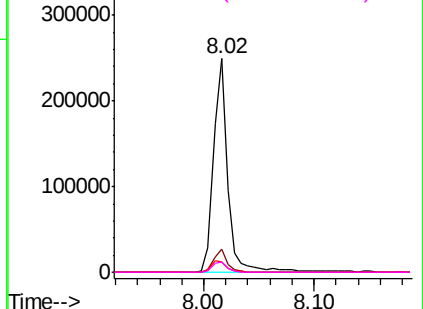
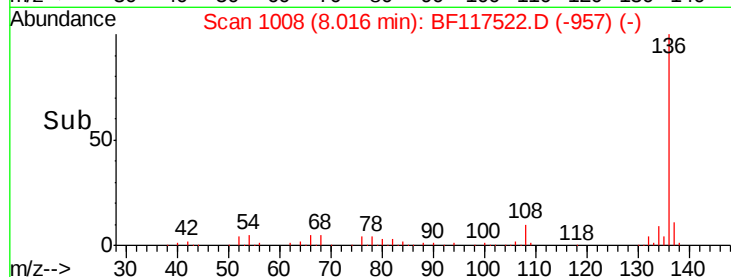
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
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197-74-(0-1)

Tot Ion:136	Resp:	221793
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.2 12.4
54	4.9	4.5 6.7
68	4.8	4.3 6.5

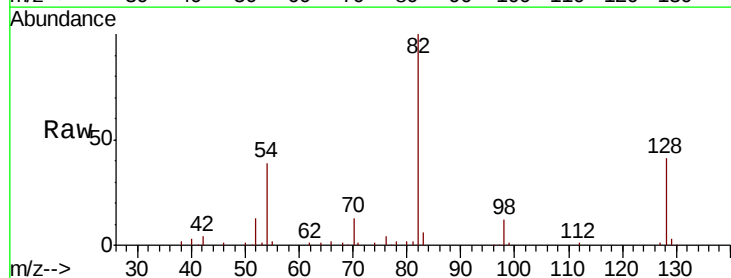


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

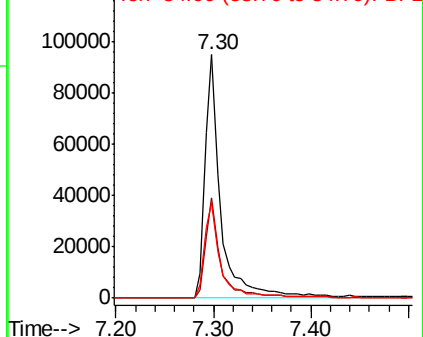
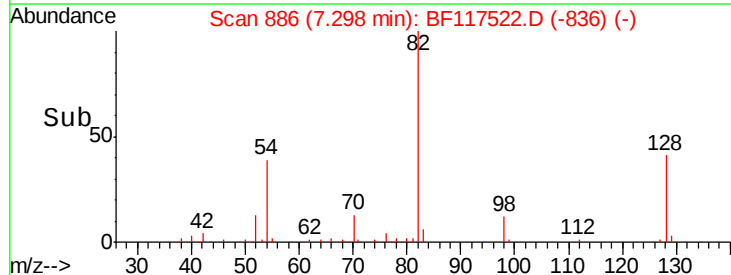


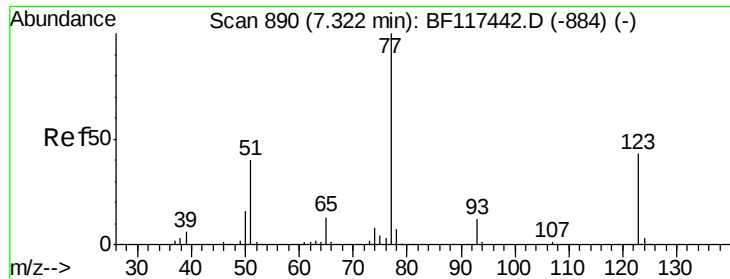
#23
Nitrobenzene-d5
Concen: 23.901 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion: 82	Resp:	107381
Ion	Ratio	Lower Upper
82	100	
128	41.2	32.2 48.2
54	38.8	34.2 51.2



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

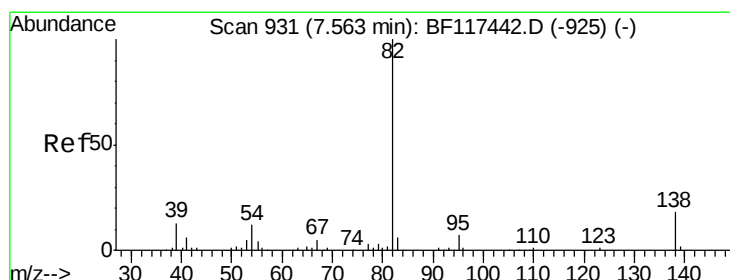
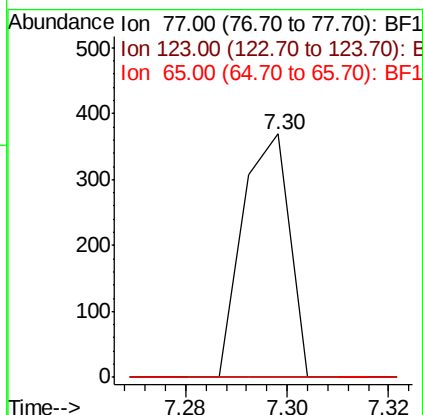
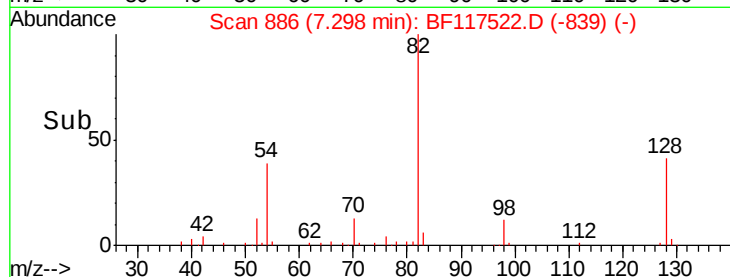
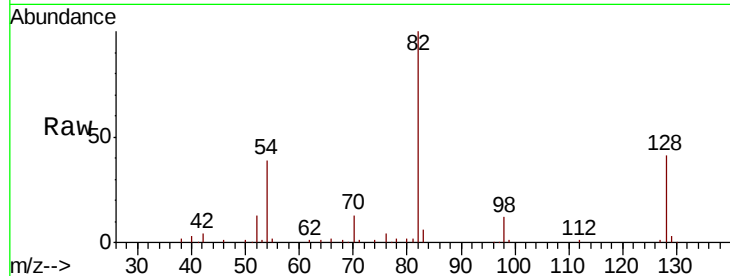




#24
 Nitrobenzene
 Concen: 0.055 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

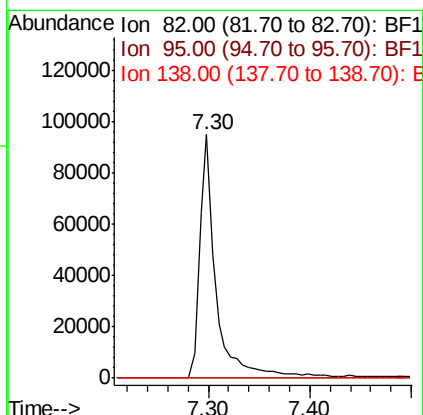
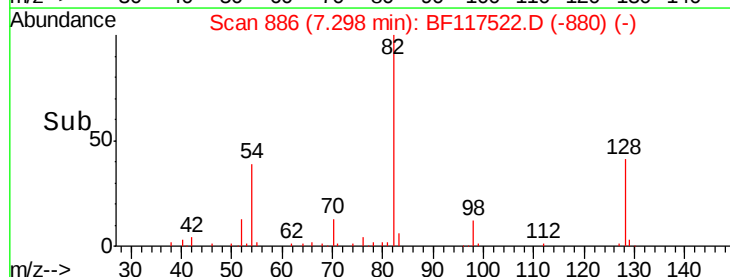
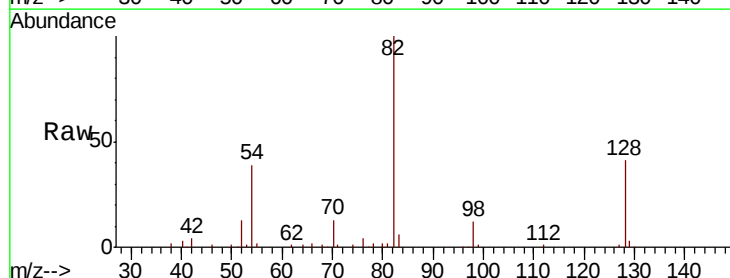
Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

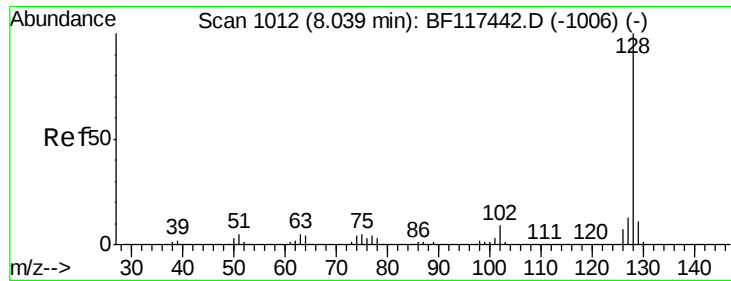
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.2	51.2#
65	0.0	10.3	15.5#



#25
 Isophorone
 Concen: 13.816 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

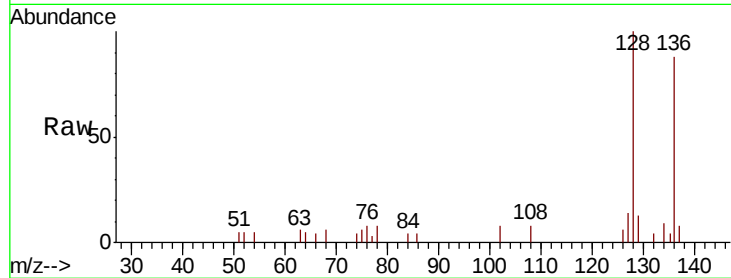




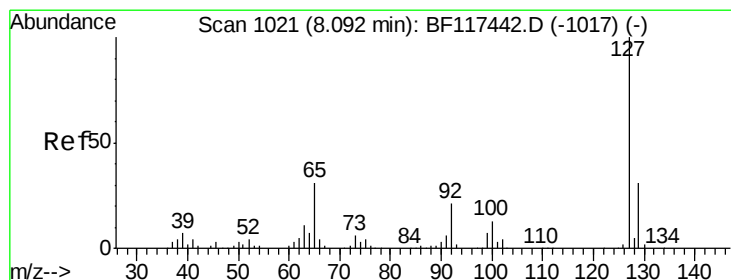
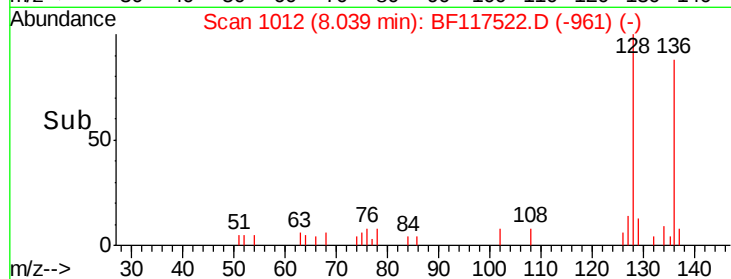
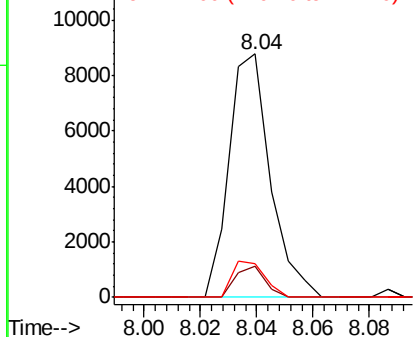
#31
Naphthalene
Concen: 0.812 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion:128 Resp: 8929
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.4
127 13.8 10.2 15.2

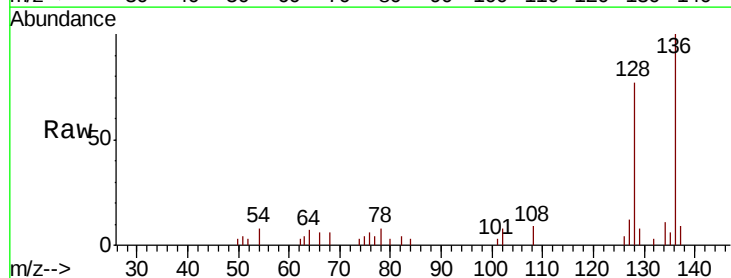


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

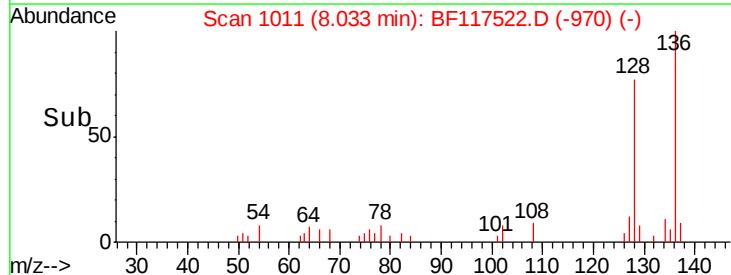
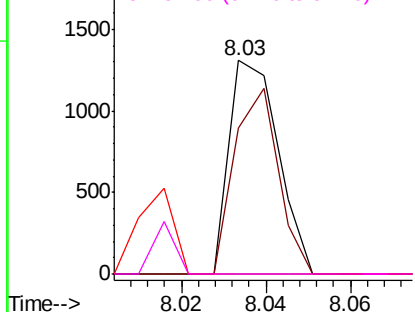


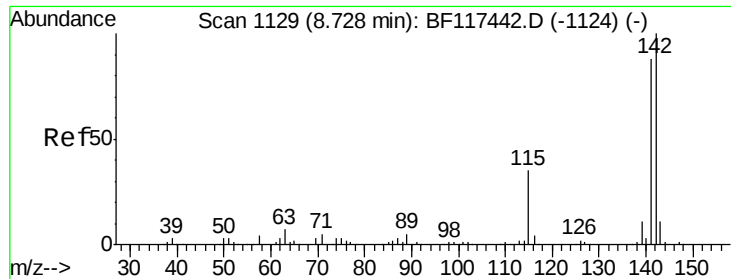
#33
4-Chloroaniline
Concen: 0.227 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.06 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion:127 Resp: 1051
Ion Ratio Lower Upper
127 100
129 68.6 24.8 37.2#
65 0.0 24.6 37.0#
92 0.0 16.5 24.7#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

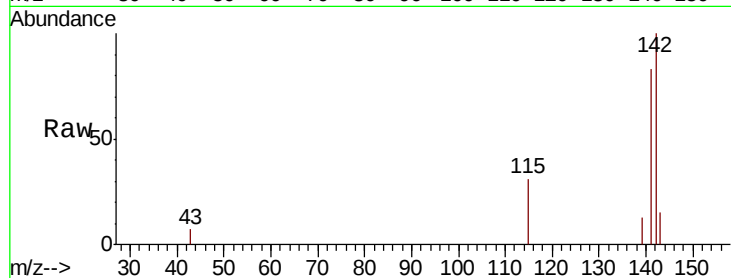




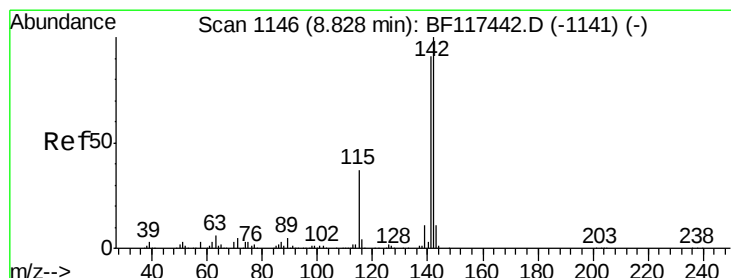
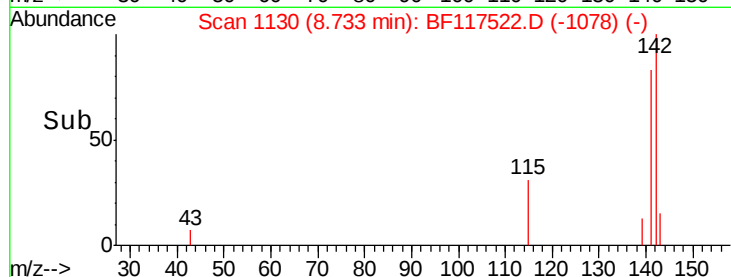
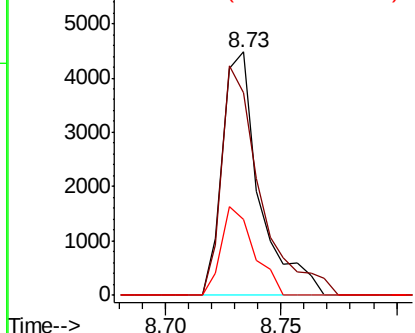
#37
 2-Methylnaphthalene
 Concen: 0.674 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

Tot Ion:142 Resp: 4991
 Ion Ratio Lower Upper
 142 100
 141 83.5 70.3 105.5
 115 31.2 28.2 42.2

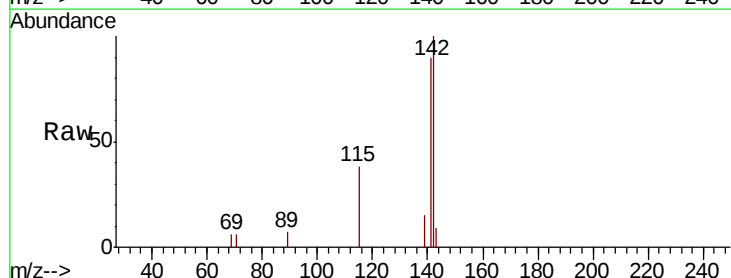


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

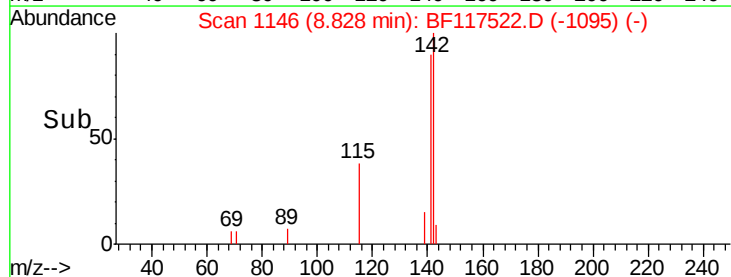
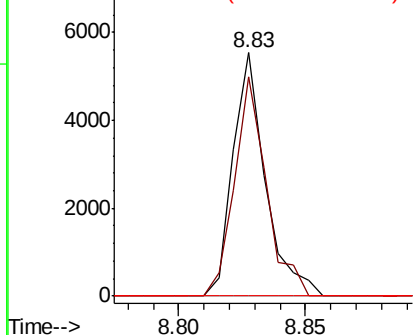


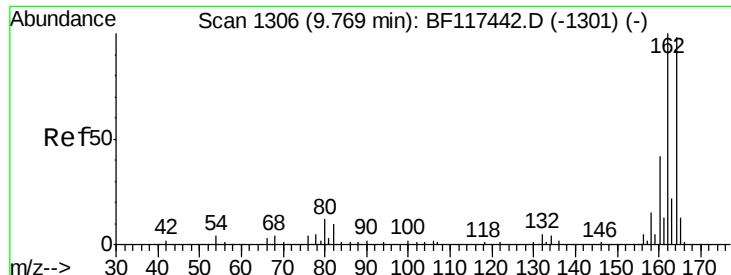
#38
 1-Methylnaphthalene
 Concen: 0.707 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Tgt Ion:142 Resp: 4921
 Ion Ratio Lower Upper
 142 100
 141 89.9 73.3 109.9
 116 0.0 3.1 4.7#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

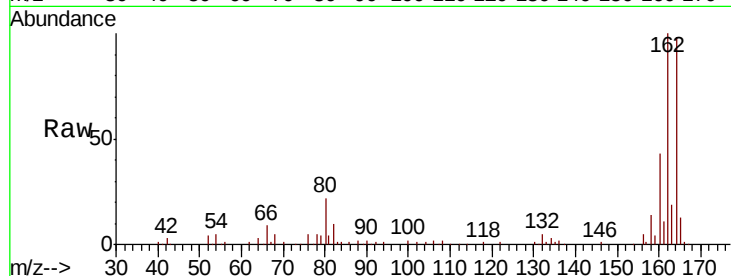




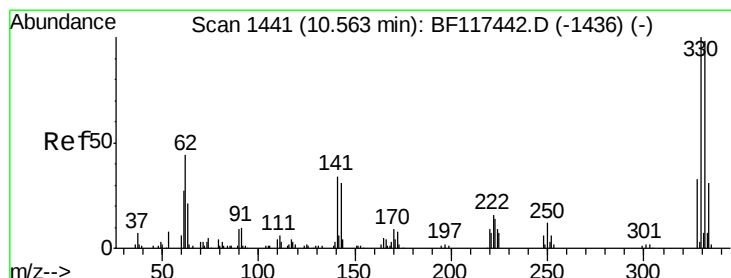
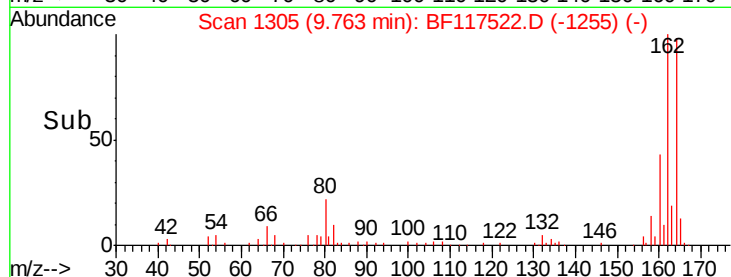
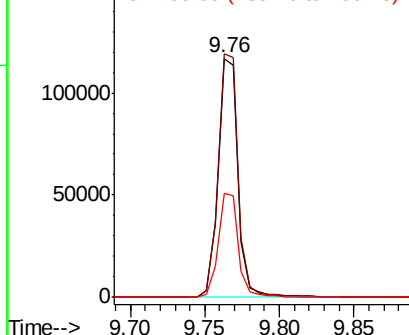
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion:164 Resp: 109193
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.6
160 43.6 34.4 51.6

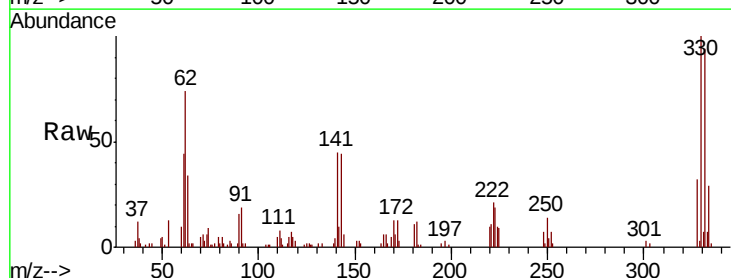


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

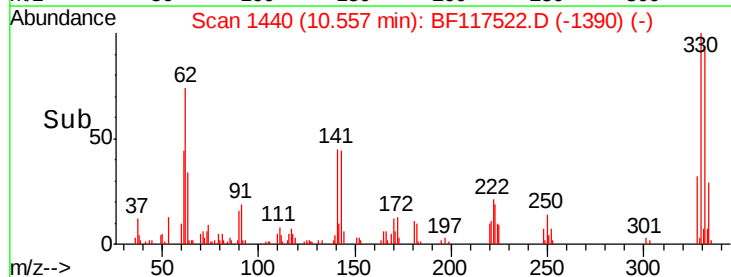
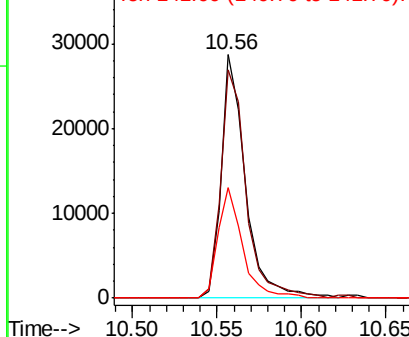


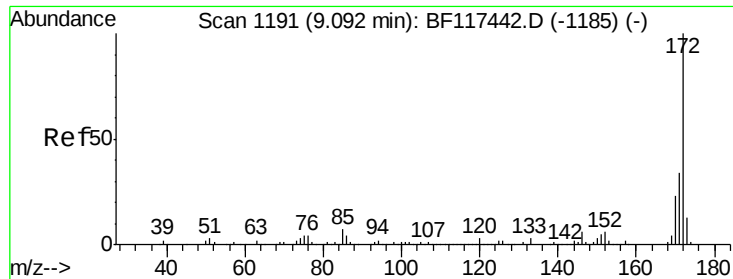
#42
2,4,6-Tribromophenol
Concen: 30.451 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion:330 Resp: 28770
Ion Ratio Lower Upper
330 100
332 98.1 78.5 117.7
141 46.3 37.0 55.6



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

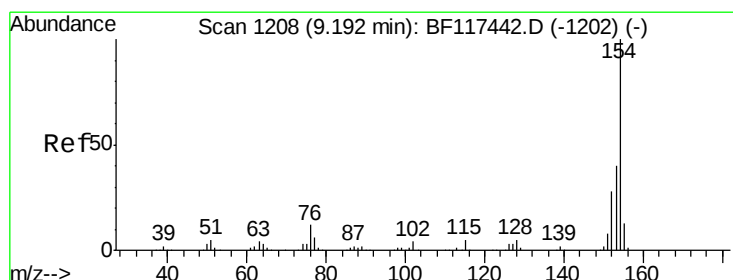
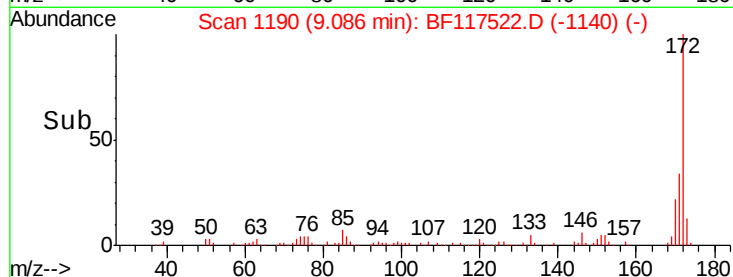
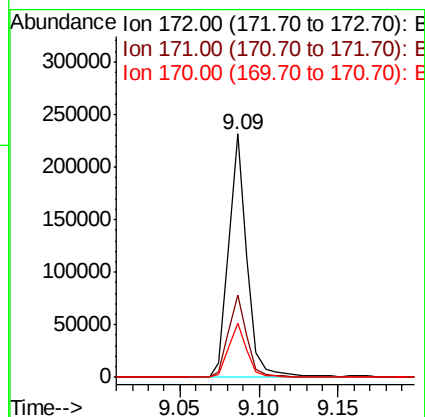
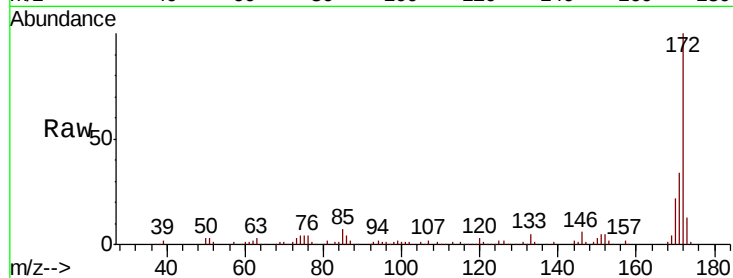




#45
2-Fluorobiphenyl
Concen: 23.870 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

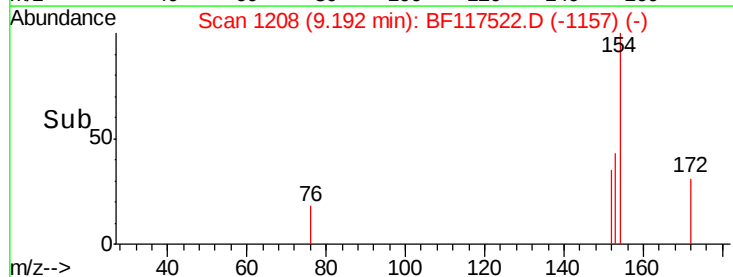
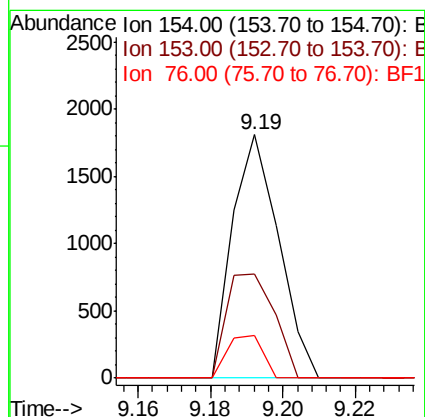
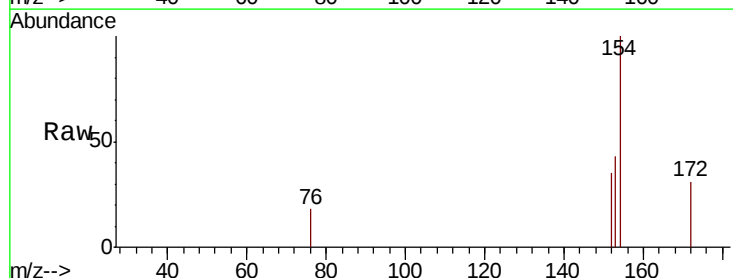
Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

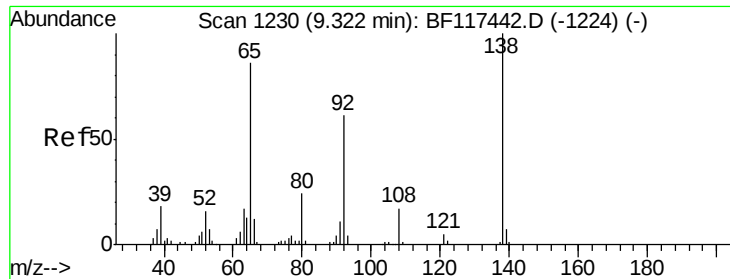
Tot Ion:172 Resp: 184988
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 22.5 18.6 27.8



#46
1,1'-Biphenyl
Concen: 0.178 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion:154 Resp: 1605
Ion Ratio Lower Upper
154 100
153 42.8 20.2 60.2
76 17.6 0.0 32.1

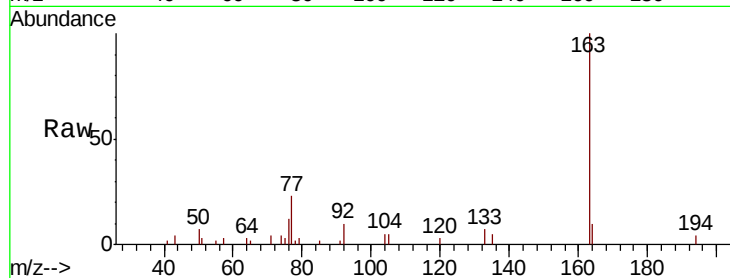




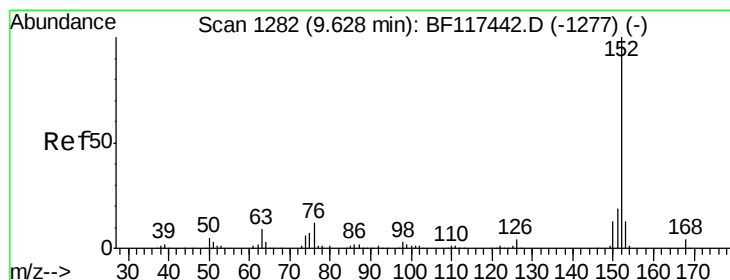
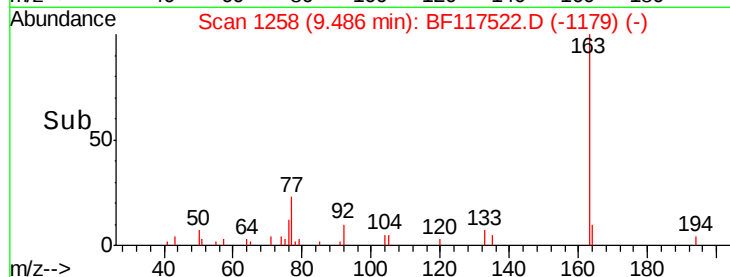
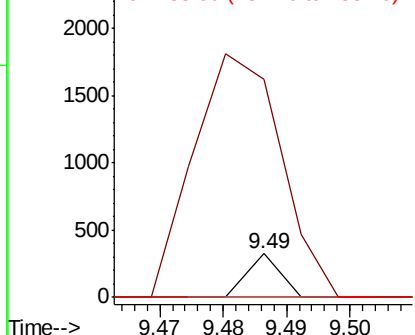
#48
2-Nitroaniline
Concen: 0.051 ng
RT: 9.49 min Scan# 1258
Delta R.T. 0.16 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion: 65 Resp: 114
Ion Ratio Lower Upper
65 100
92 502.8 57.3 85.9#
138 0.0 93.3 139.9#

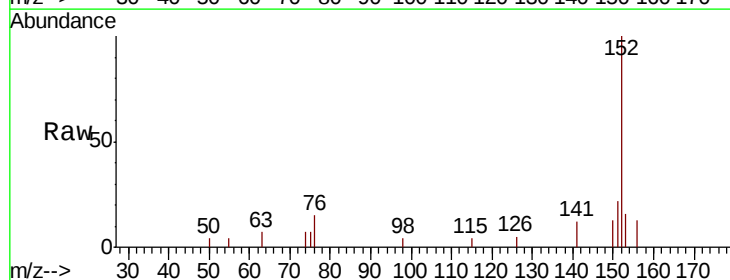


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

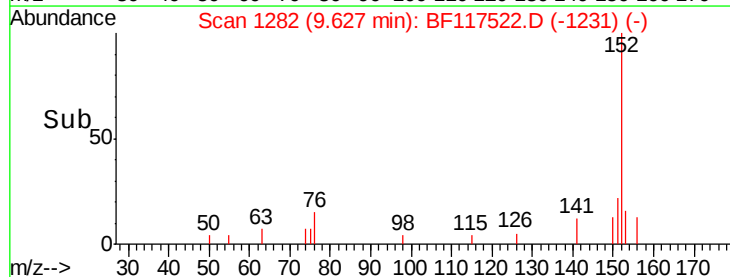
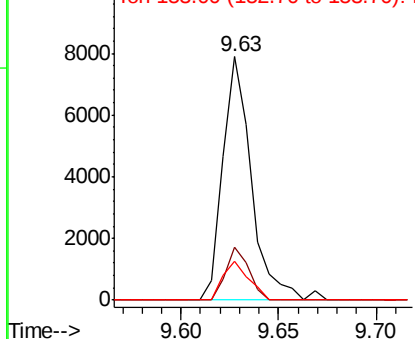


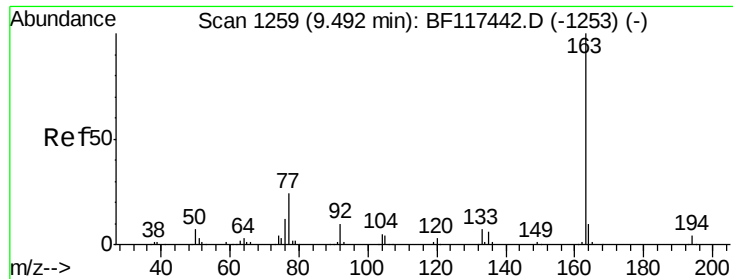
#49
Acenaphthylene
Concen: 0.807 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion: 152 Resp: 8078
Ion Ratio Lower Upper
152 100
151 21.6 15.4 23.0
153 15.8 10.3 15.5#



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

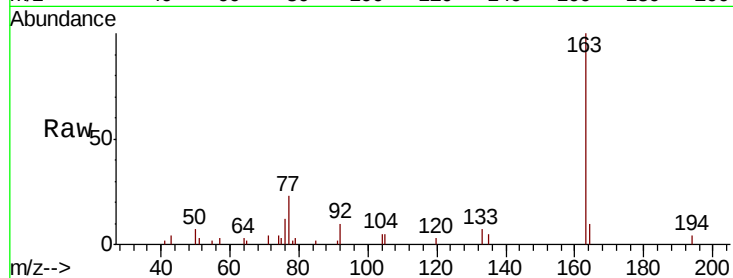




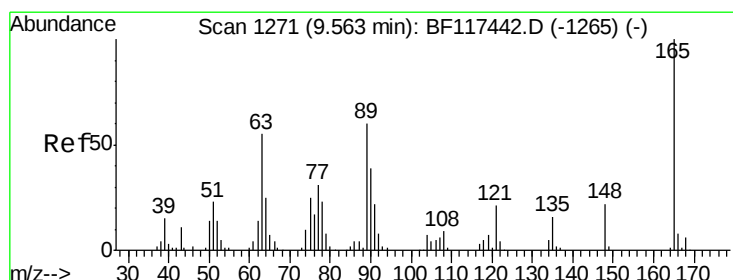
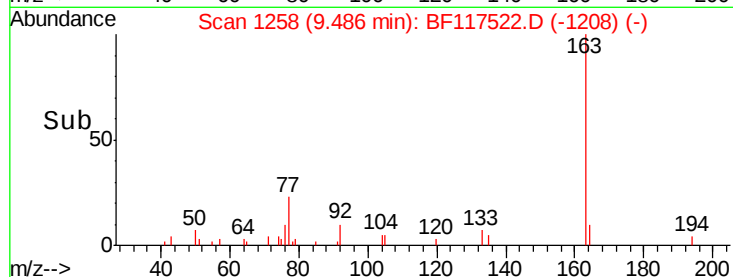
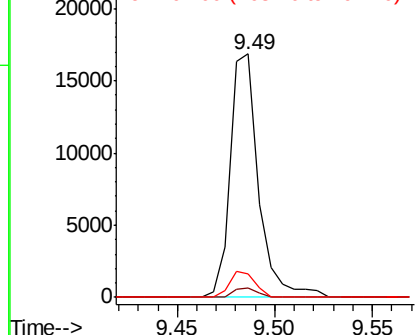
#50
Dimethylphthalate
Concen: 2.181 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	163	Resp	16975
Ion Ratio	100	Lower	Upper
194	4.1	2.9	4.3
164	9.5	8.2	12.2

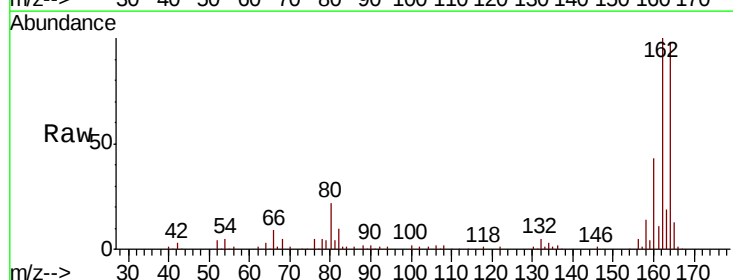


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

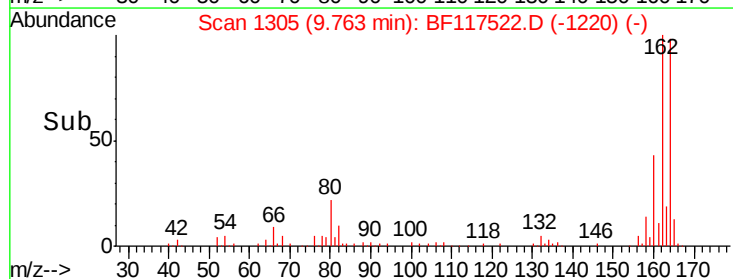
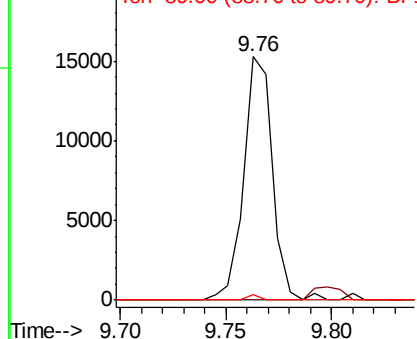


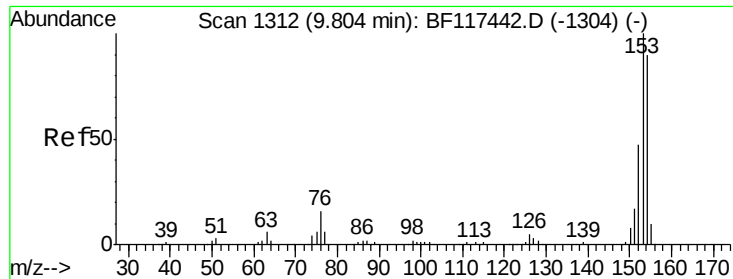
#51
2,6-Dinitrotoluene
Concen: 8.830 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	165	Resp	14344
Ion Ratio	100	Lower	Upper
63	0.0	43.8	65.8#
89	2.1	47.6	71.4#



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: 1.682 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

197-74-(0-1)

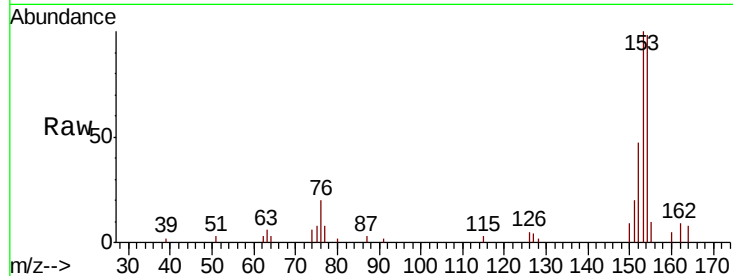
Tot Ion:154 Resp: 10331

Ion Ratio Lower Upper

154 100

153 101.8 89.2 133.8

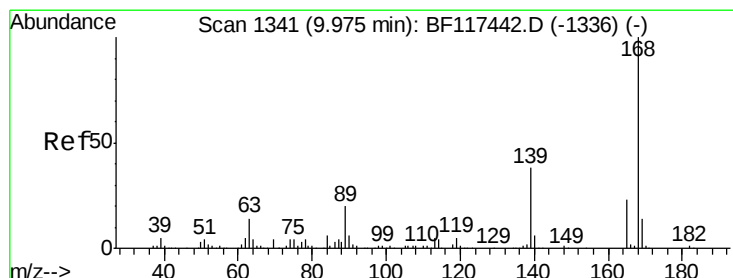
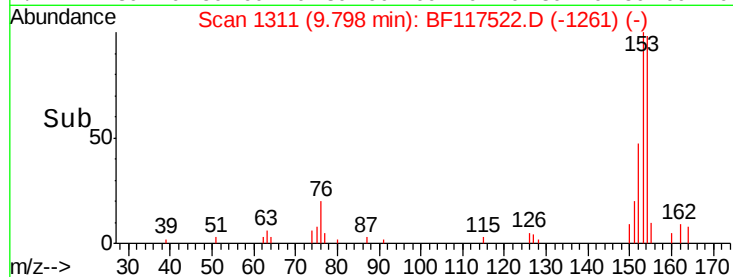
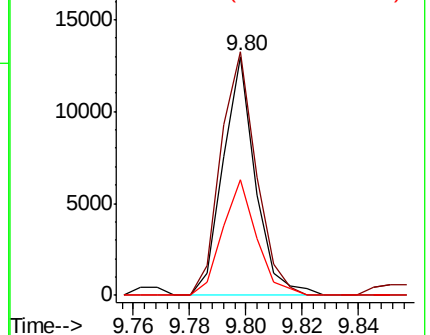
152 48.3 41.8 62.6



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



#55

Dibenzofuran

Concen: 1.242 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

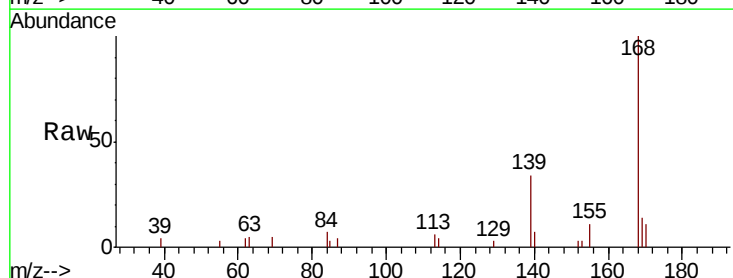
Tgt Ion:168 Resp: 11051

Ion Ratio Lower Upper

168 100

139 34.1 31.8 47.6

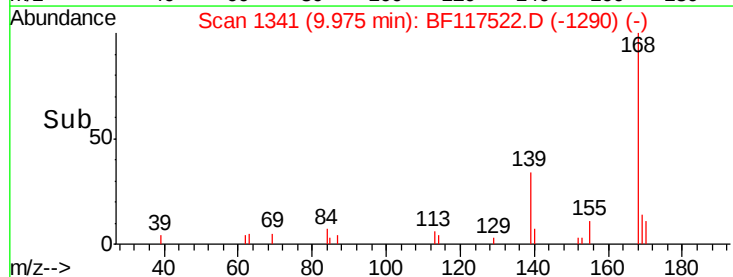
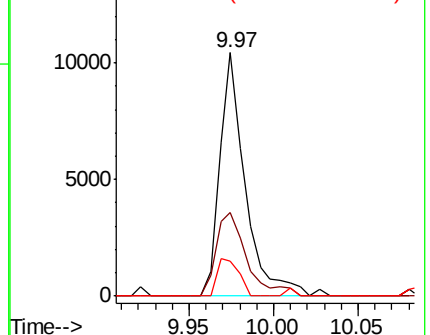
169 14.2 11.2 16.8

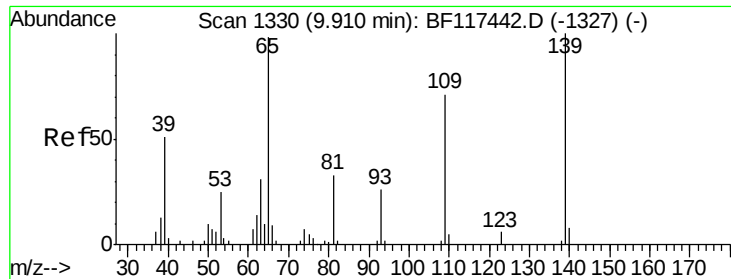


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

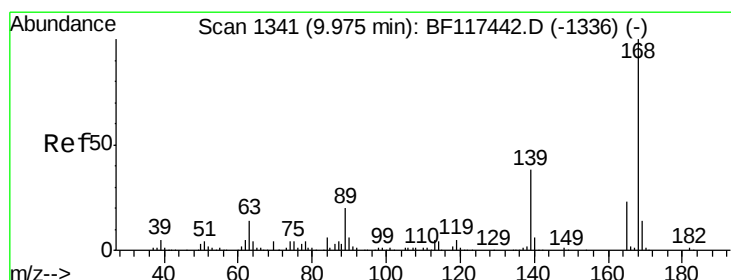
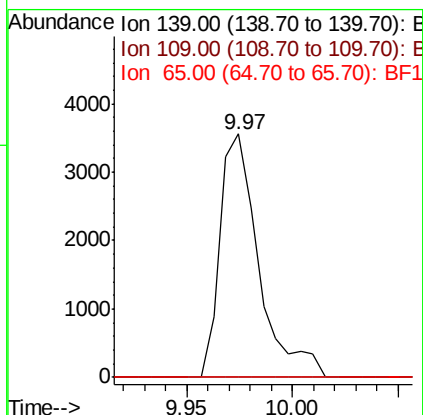
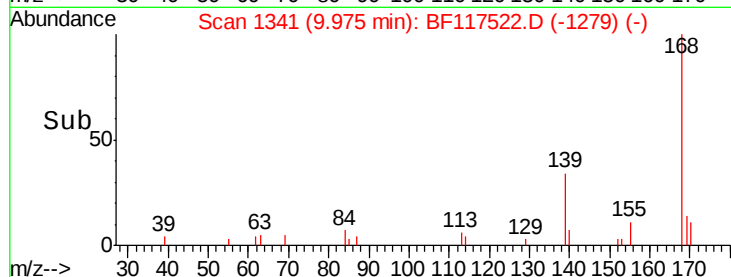
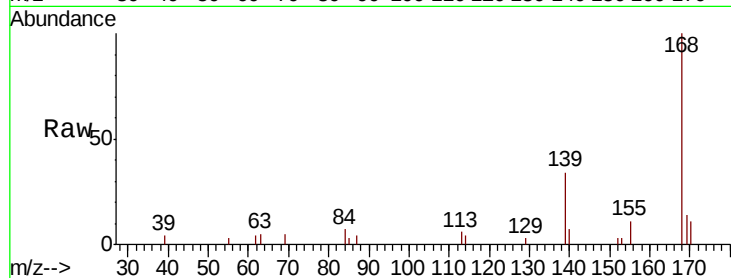




#56
4-Nitrophenol
Concen: 8.860 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

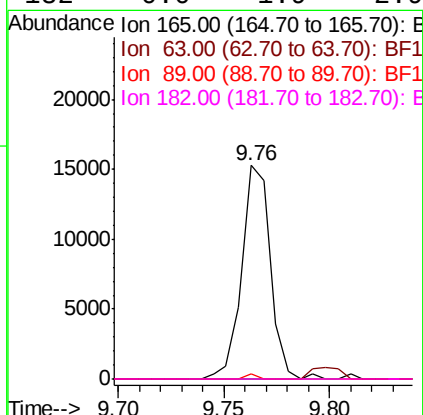
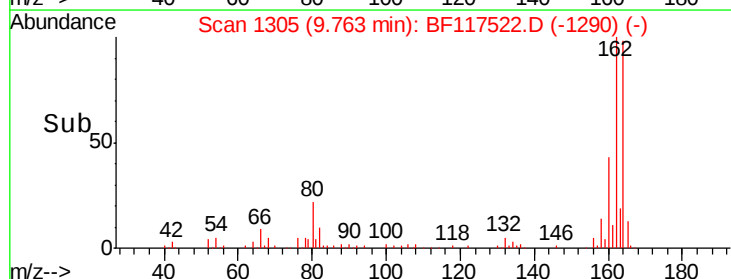
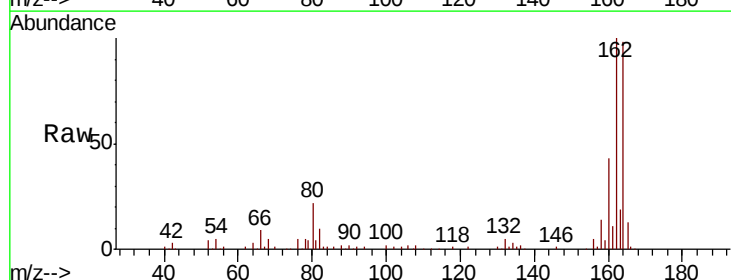
Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

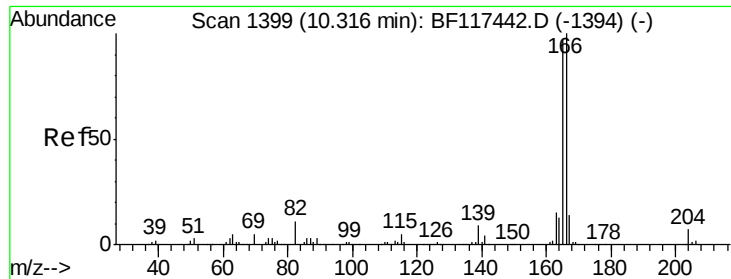
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#



#57
2,4-Dinitrotoluene
Concen: 6.642 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	2.1	69.9	104.9#
182	0.0	1.9	2.9#





#58

Fluorene

Concen: 2.333 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

197-74-(0-1)

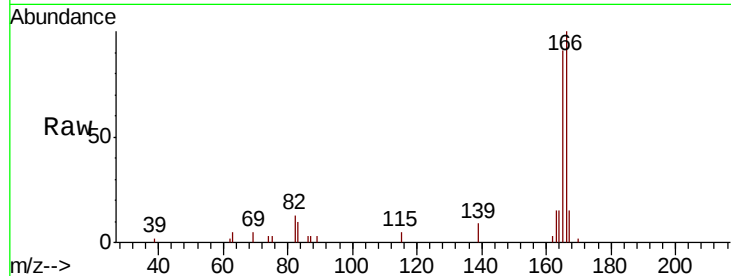
Tot Ion:166 Resp: 17171

Ion Ratio Lower Upper

166 100

165 91.2 77.6 116.4

167 14.7 11.0 16.4

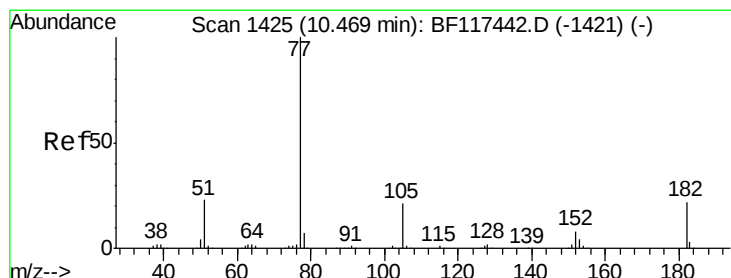
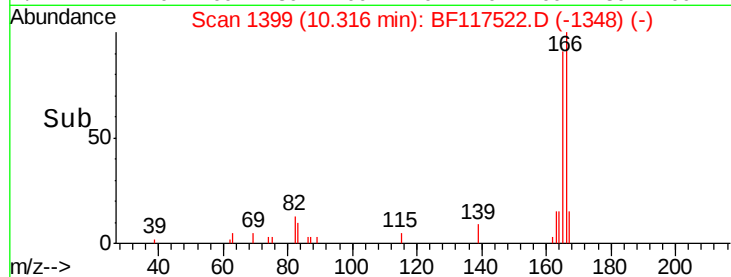
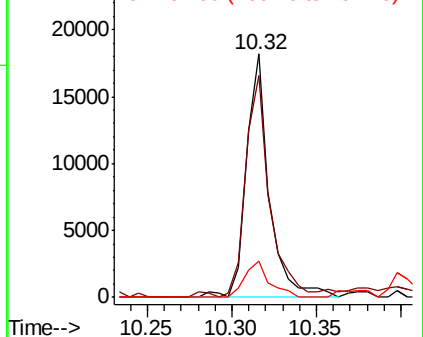


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Azobenzene

Concen: 0.014 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Tgt Ion: 77 Resp: 113

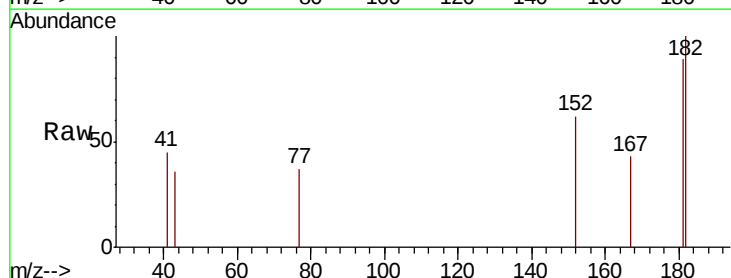
Ion Ratio Lower Upper

77 100

182 268.3 2.3 42.3#

105 0.0 1.3 41.3#

51 0.0 3.5 43.5#



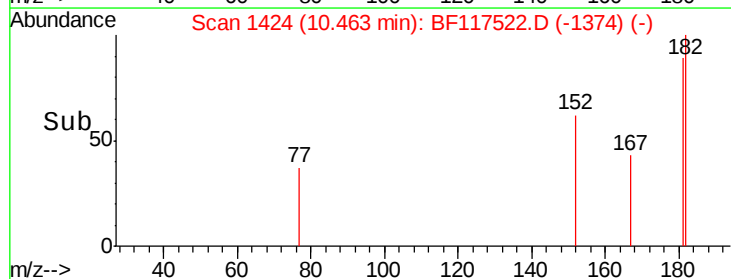
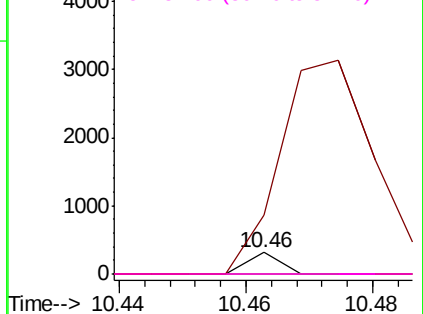
Abundance

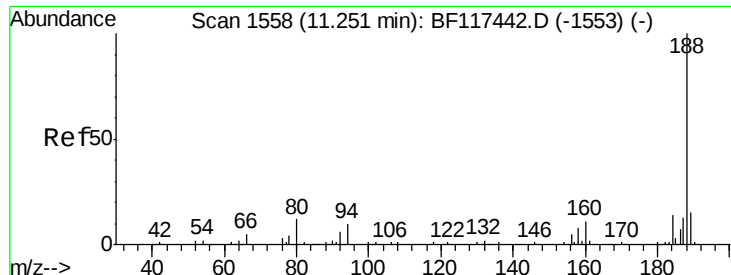
Ion 77.00 (76.70 to 77.70): BF1

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

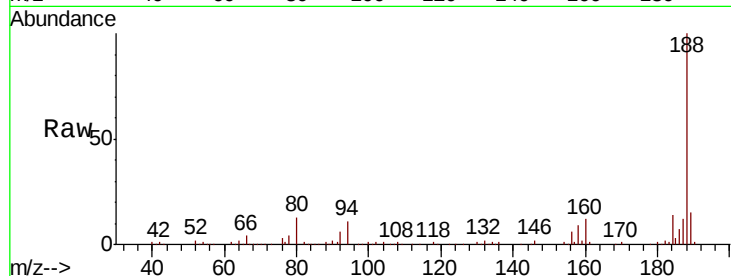




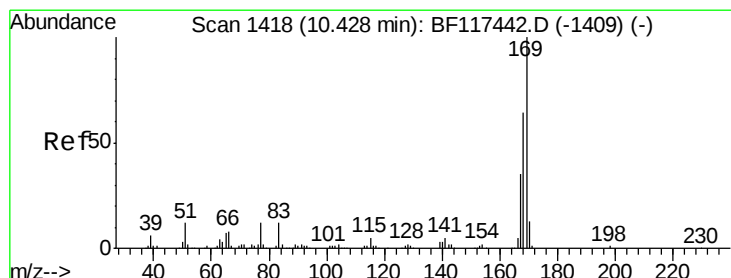
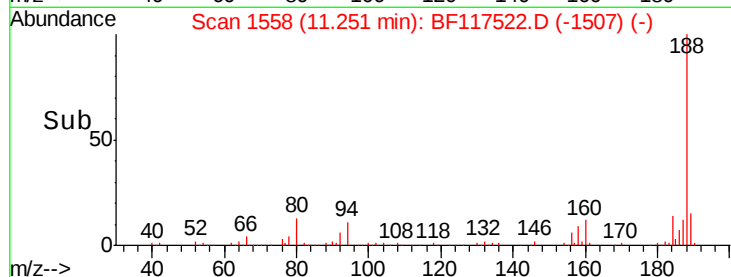
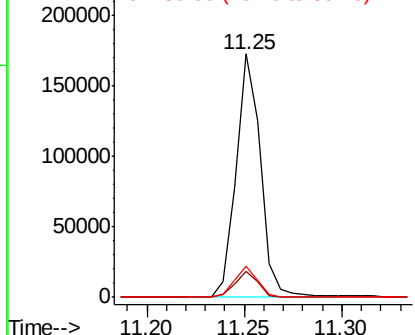
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion:188 Resp: 150472
Ion Ratio Lower Upper
188 100
94 10.5 8.0 12.0
80 12.6 9.5 14.3

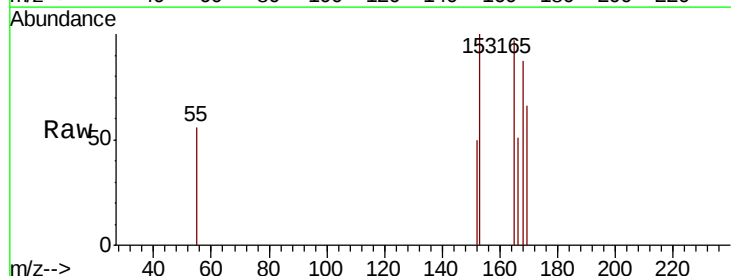


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

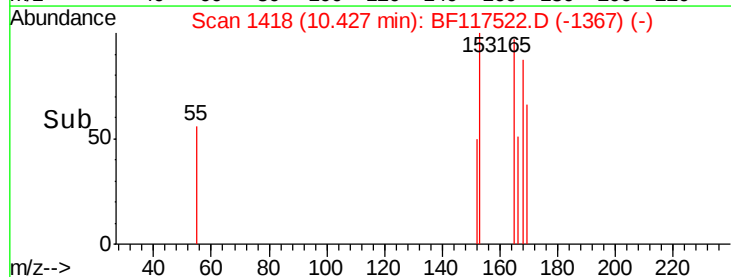
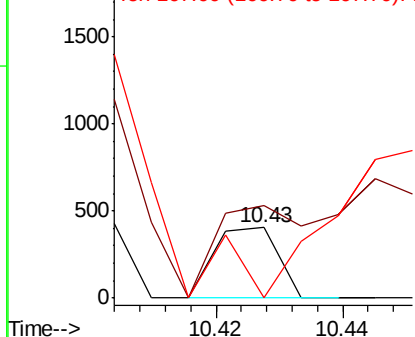


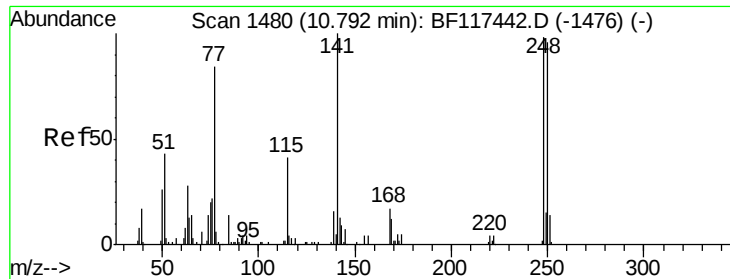
#66
n-Nitrosodiphenylamine
Concen: 0.051 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion:169 Resp: 278
Ion Ratio Lower Upper
169 100
168 131.3 51.3 76.9#
167 0.0 28.2 42.4#



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: 1.023 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

197-74-(0-1)

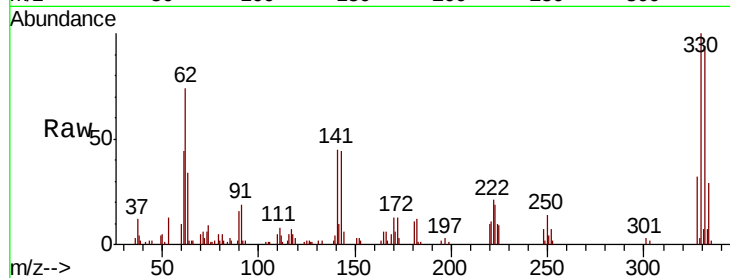
Tot Ion:248 Resp: 1658

Ion Ratio Lower Upper

248 100

250 195.2 78.0 117.0#

141 630.8 81.7 122.5#

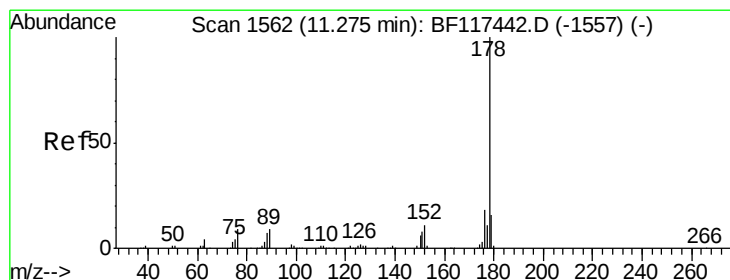
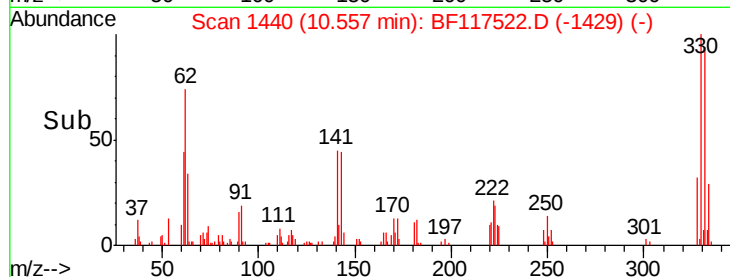
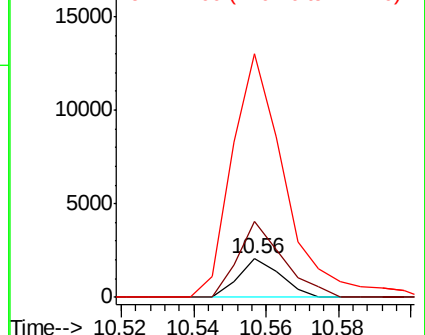


Abundance

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



#71

Phenanthrene

Concen: 18.432 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

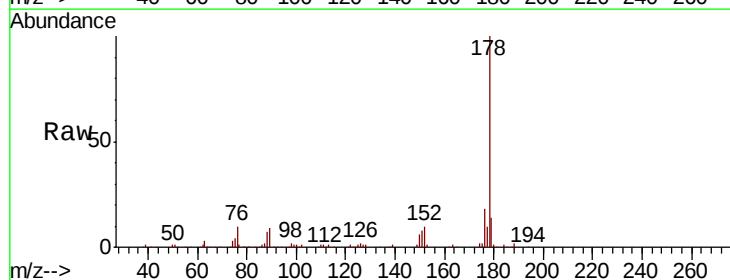
Tgt Ion:178 Resp: 161050

Ion Ratio Lower Upper

178 100

176 17.7 14.6 22.0

179 14.5 12.6 19.0

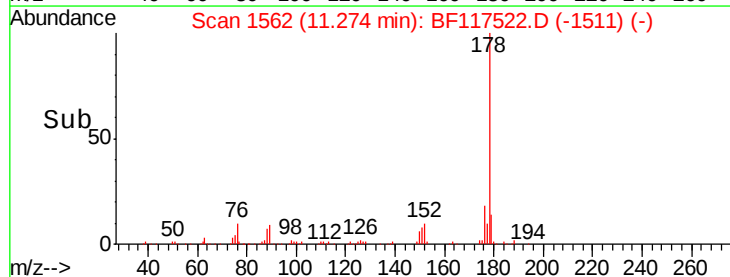
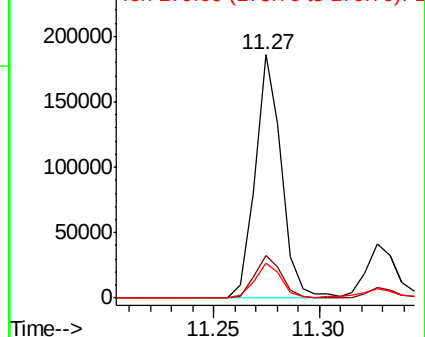


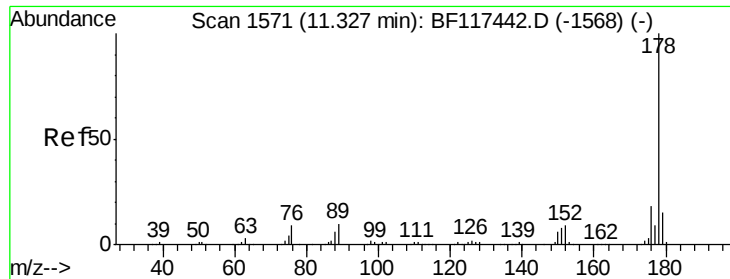
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.704 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

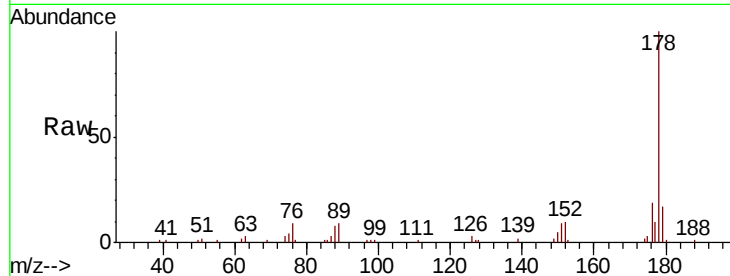
BNA_F

ClientSampleId :

197-74-(0-1)

Tot Ion:178 Resp: 42169

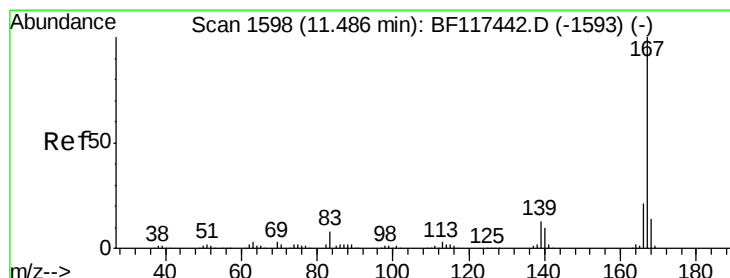
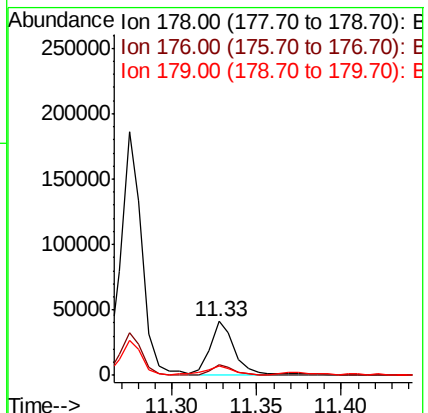
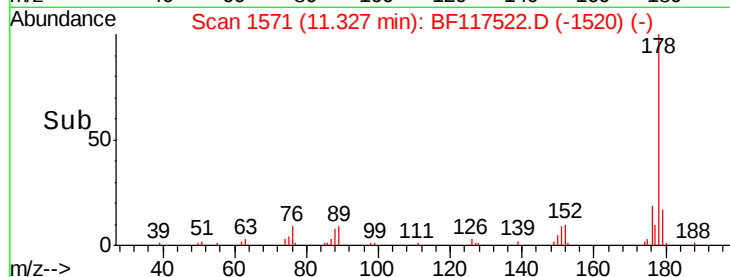
Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	16.7	12.2	18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 1.578 ng

RT: 11.49 min Scan# 1599

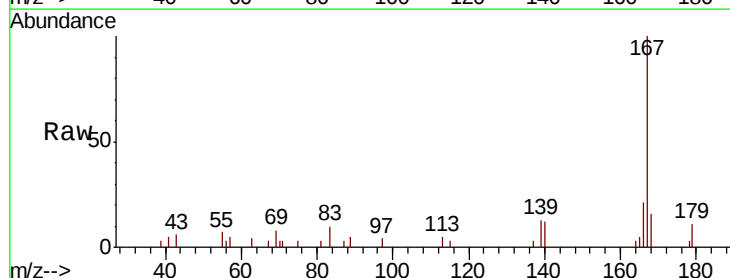
Delta R.T. 0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Tgt Ion:167 Resp: 12929

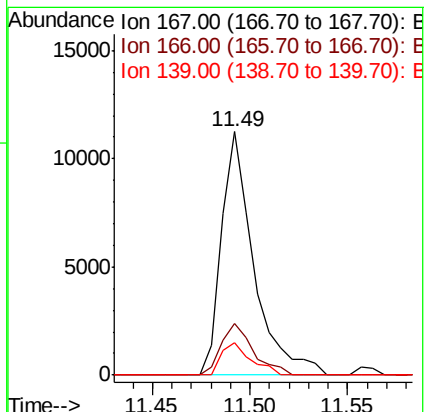
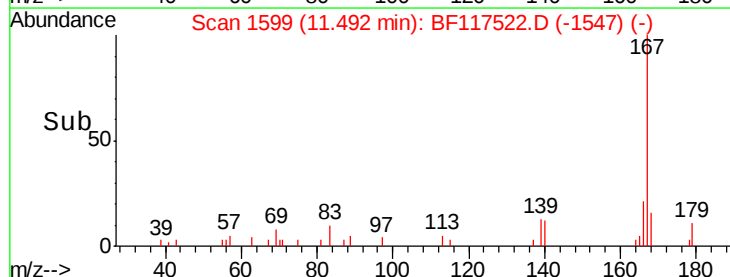
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	13.1	10.6	16.0

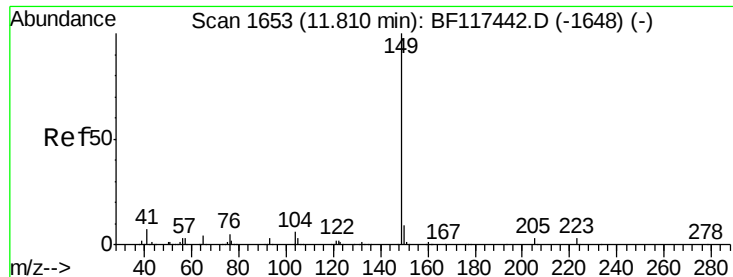


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.105 ng

RT: 11.81 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

197-74-(0-1)

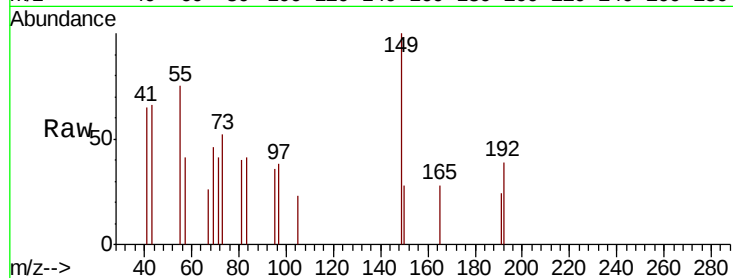
Tot Ion:149 Resp: 1148

Ion Ratio Lower Upper

149 100

150 28.2 7.5 11.3#

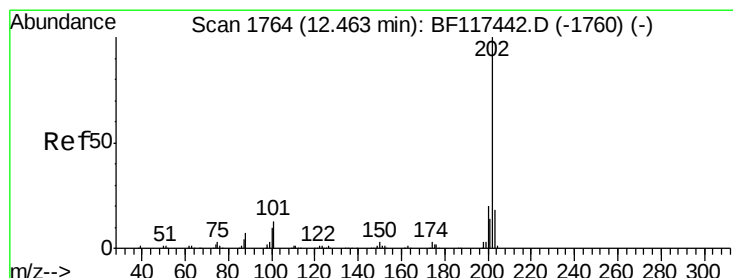
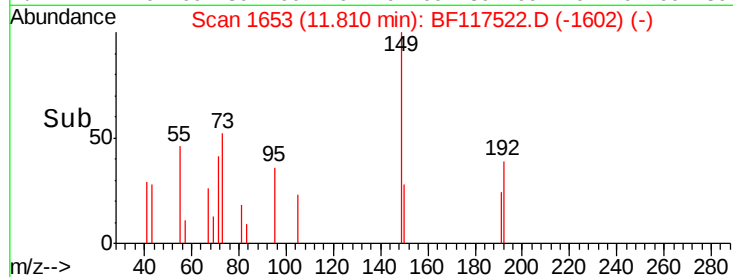
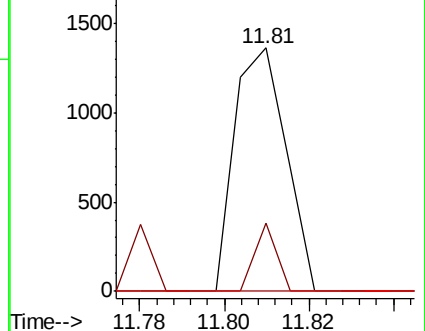
104 0.0 4.6 6.8#



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: 20.435 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

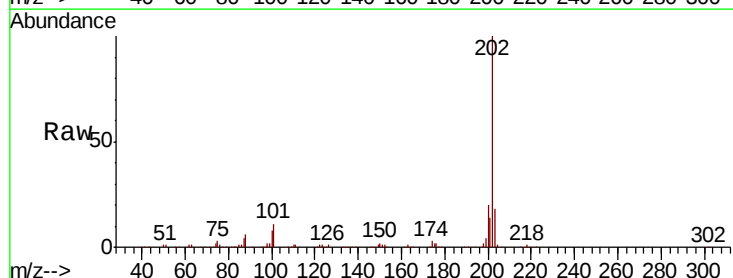
Tgt Ion:202 Resp: 178736

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.7

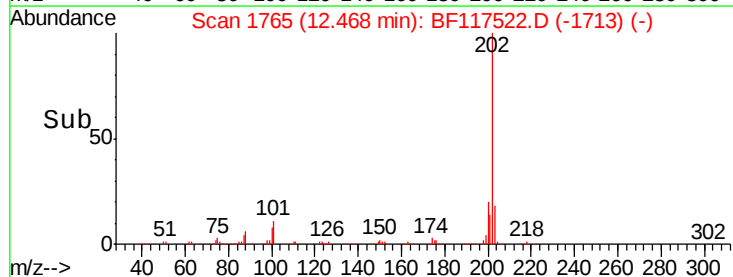
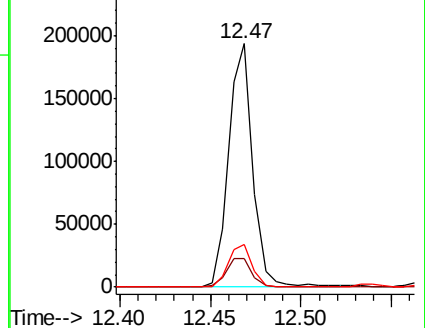
203 17.5 0.0 37.6

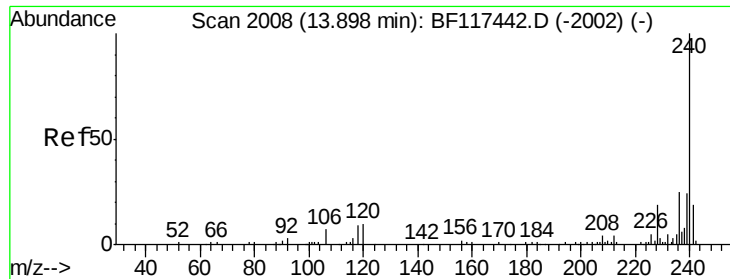


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

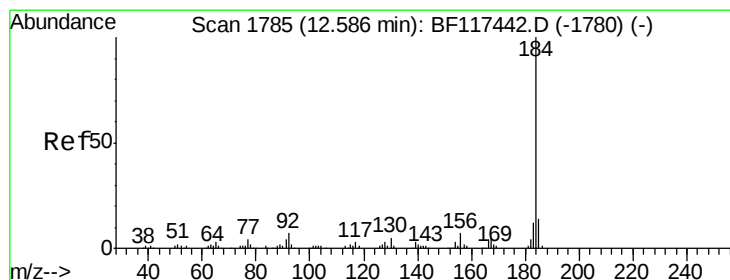
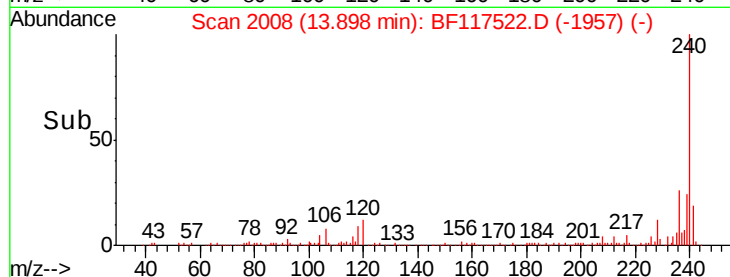
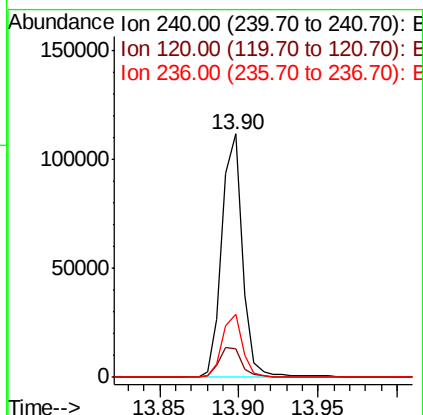
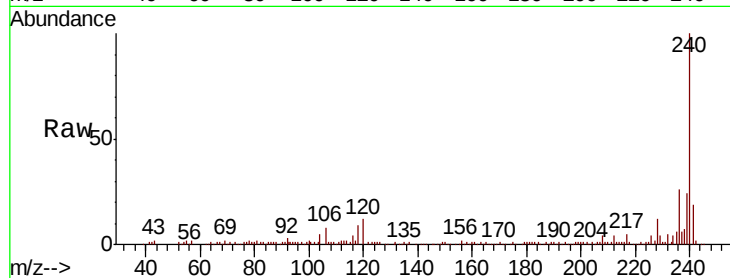




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

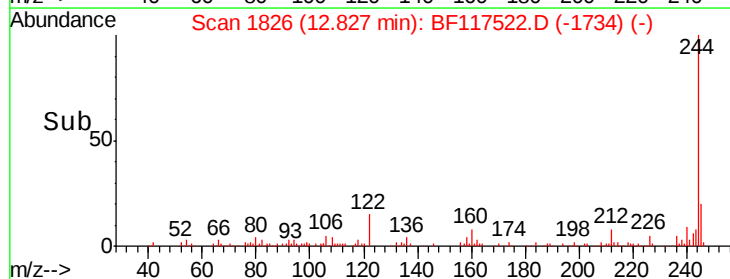
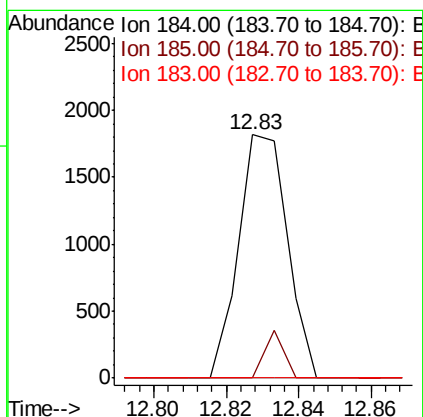
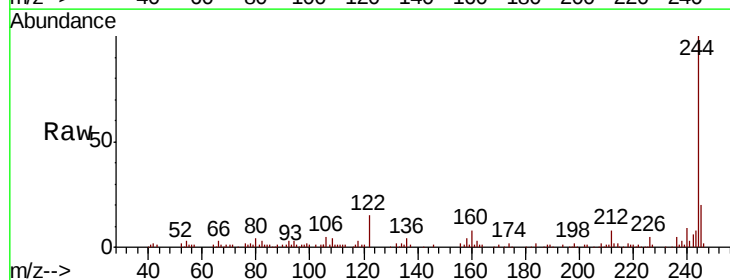
Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

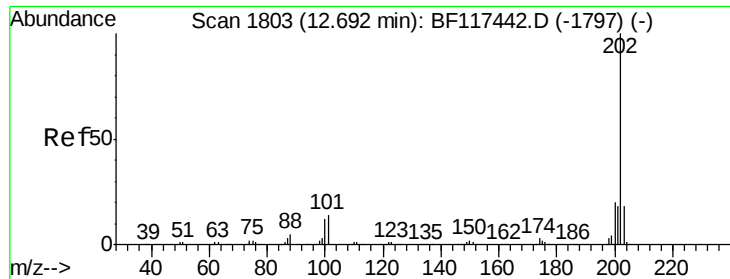
Tot Ion:240 Resp: 101513
 Ion Ratio Lower Upper
 240 100
 120 11.8 8.4 12.6
 236 25.7 20.0 30.0



#77
 Benzidine
 Concen: Below Cal
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.24 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Tgt Ion:184 Resp: 1693
 Ion Ratio Lower Upper
 184 100
 185 0.0 11.4 17.0#
 183 0.0 9.6 14.4#

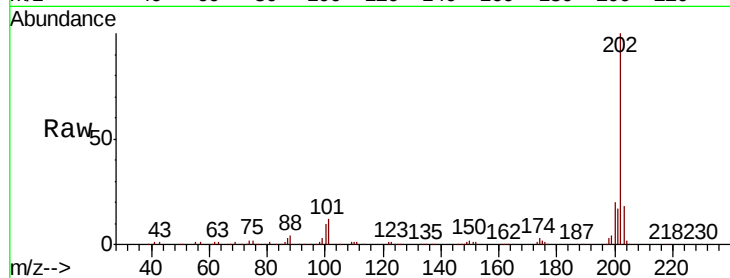




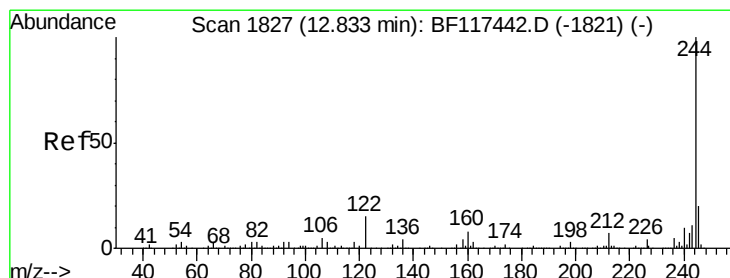
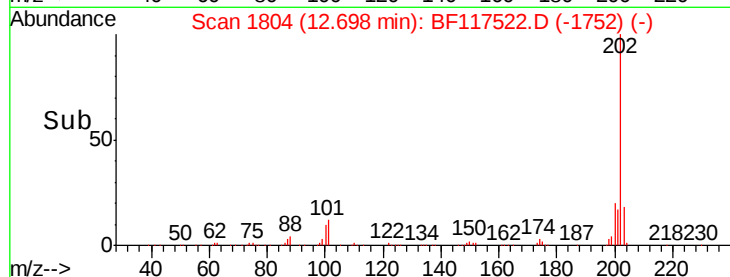
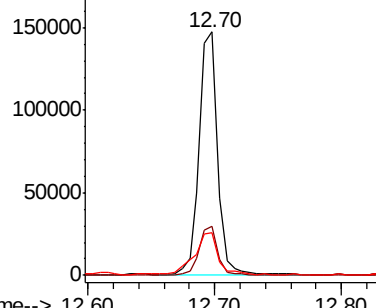
#78
Pvrene
Concen: 16.903 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion:202 Resp: 147388
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 17.5 14.0 21.0

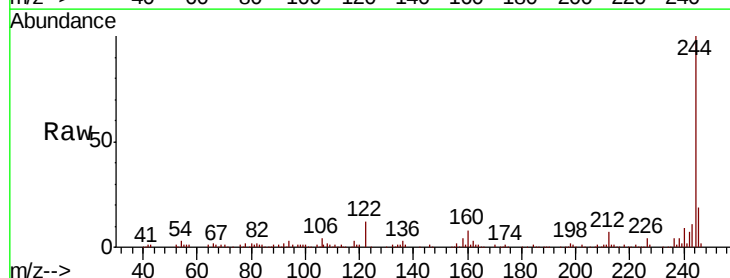


Abundance Ion 202.00 (201.70 to 202.70): E
200000 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

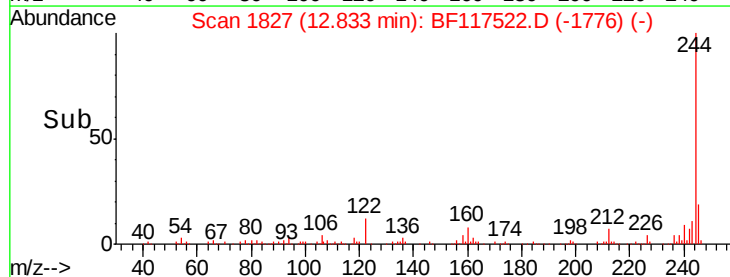
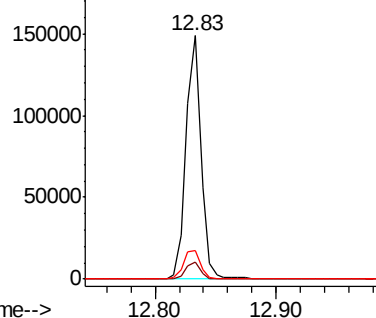


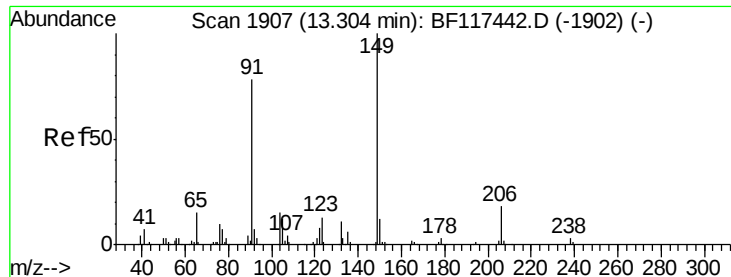
#79
Terphenyl-d14
Concen: 20.455 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion:244 Resp: 127301
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 11.6 11.8 17.8#



Abundance Ion 244.00 (243.70 to 244.70): E
200000 Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

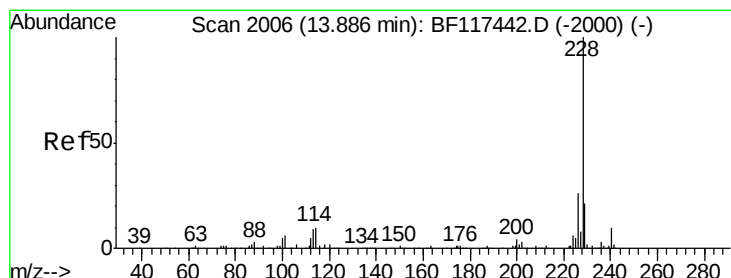
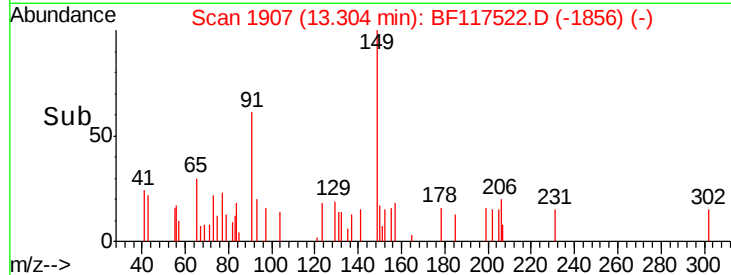
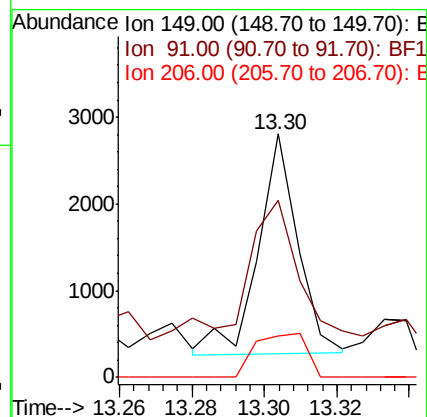
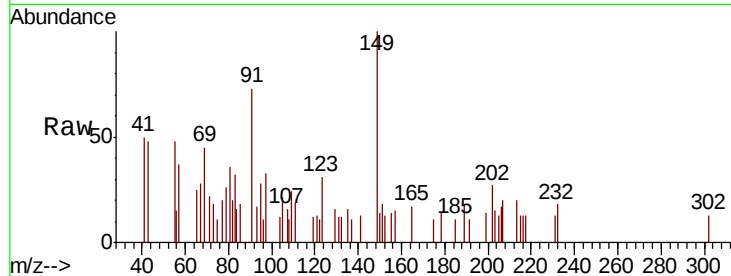




#80
Butylbenzylphthalate
Concen: 0.441 ng
RT: 13.30 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

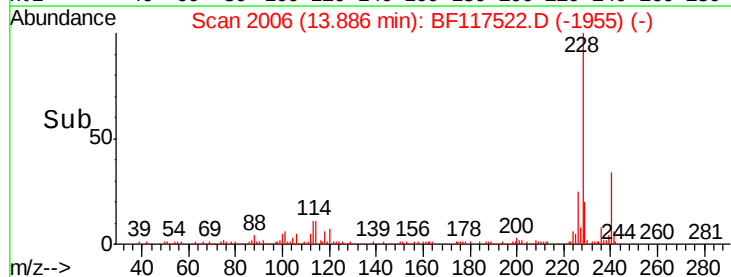
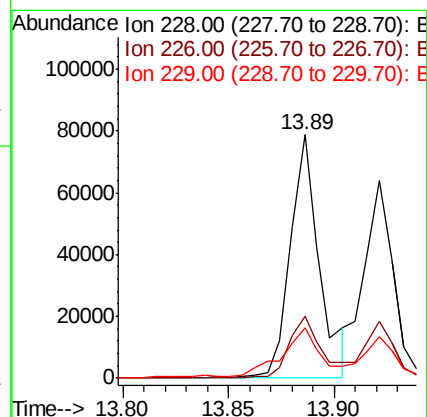
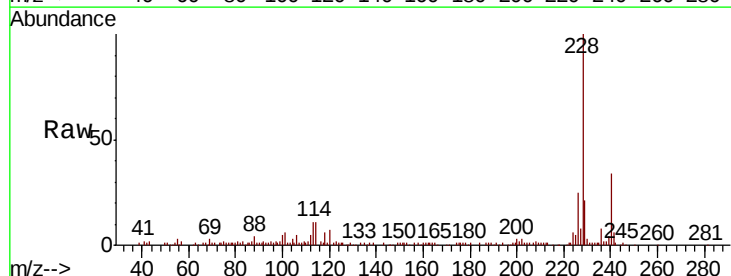
Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

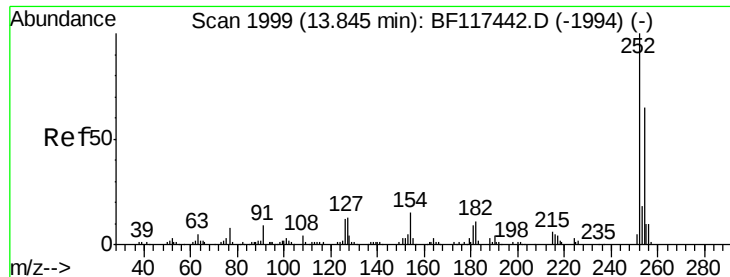
Tot Ion:	149	Resp:	1914
Ion	Ratio	Lower	Upper
149	100		
91	72.6	62.1	93.1
206	17.0	14.3	21.5



#81
Benzo(a)anthracene
Concen: 11.171 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion:	228	Resp:	76490
Ion	Ratio	Lower	Upper
228	100		
226	25.1	21.0	31.4
229	20.9	16.4	24.6

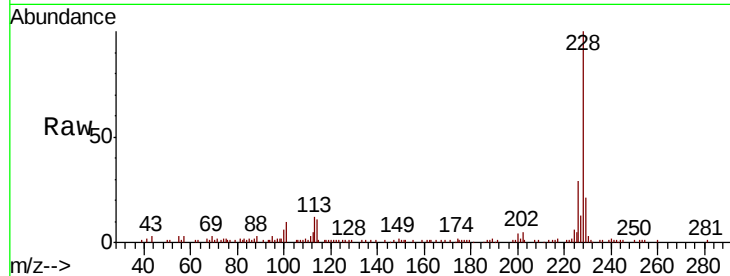




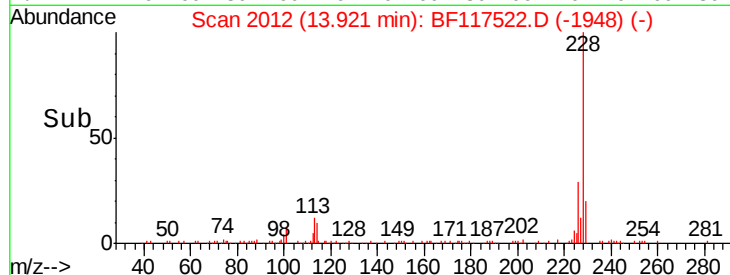
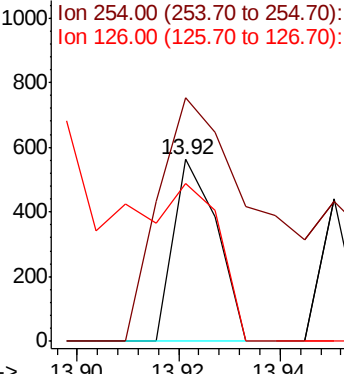
#82
 3,3'-Dichlorobenzidine
 Concen: 0.155 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.08 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

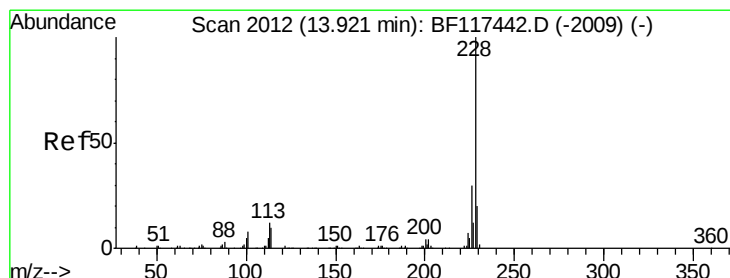
Tot Ion:252 Resp: 334
 Ion Ratio Lower Upper
 252 100
 254 134.0 52.2 78.4#
 126 86.5 9.2 13.8#



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

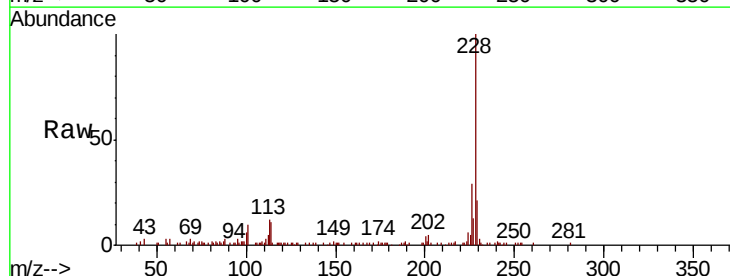


Time-->

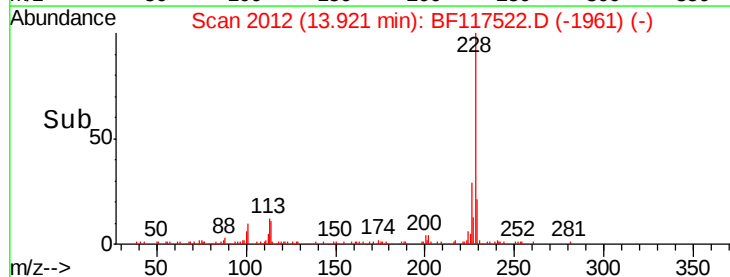
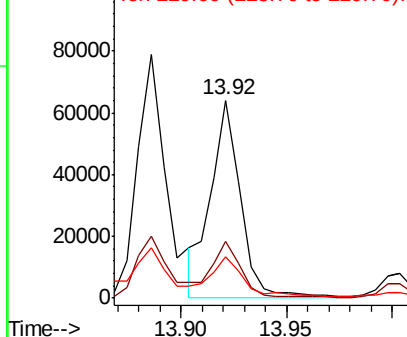


#83
 Chrysene
 Concen: 9.341 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

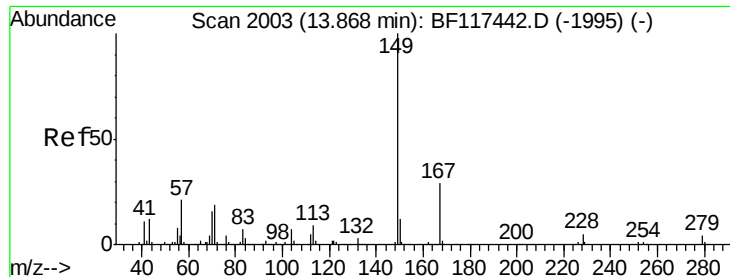
Tgt Ion:228 Resp: 62687
 Ion Ratio Lower Upper
 228 100
 226 28.5 23.9 35.9
 229 21.0 15.8 23.6



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



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.066 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

197-74-(0-1)

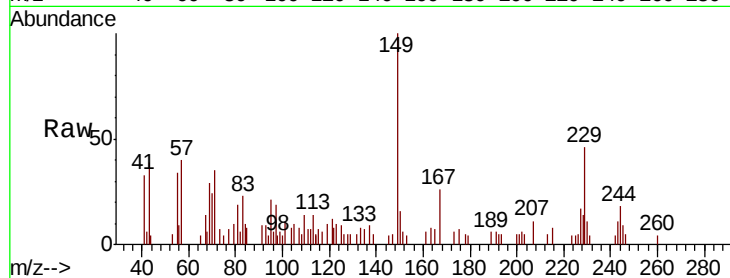
Tot Ion:149 Resp: 6479

Ion Ratio Lower Upper

149 100

167 26.1 23.3 34.9

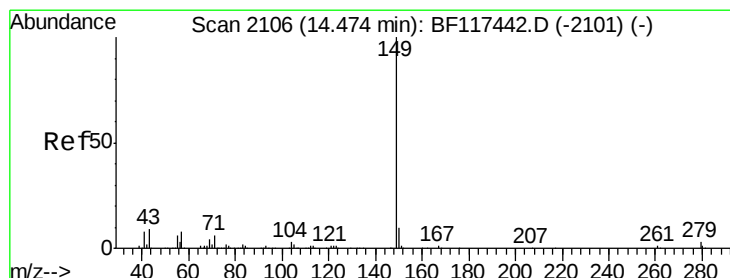
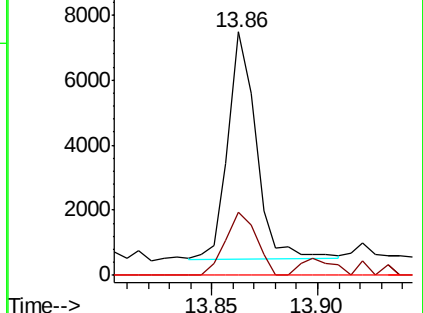
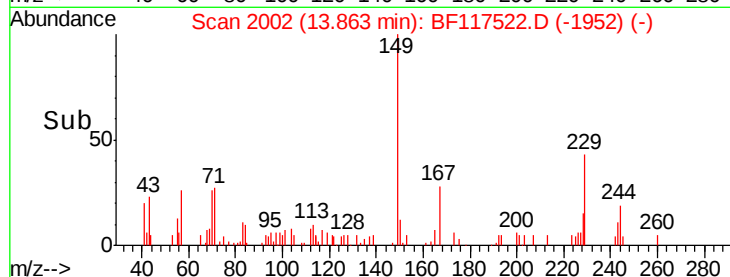
279 0.0 3.2 4.8#



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: 0.016 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

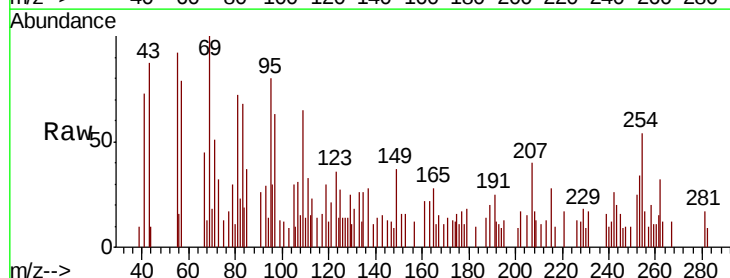
Tgt Ion:149 Resp: 146

Ion Ratio Lower Upper

149 100

167 666.4 1.2 1.8#

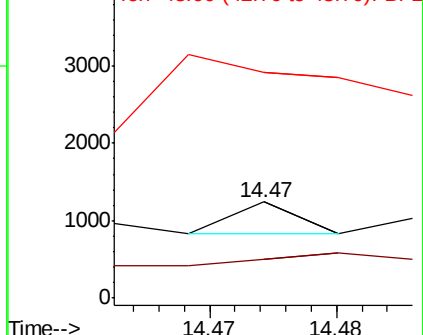
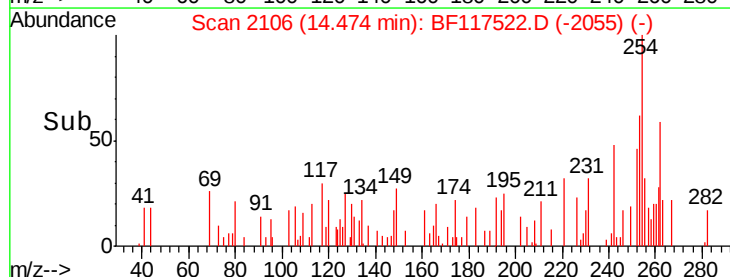
43 820.5 6.8 10.2#

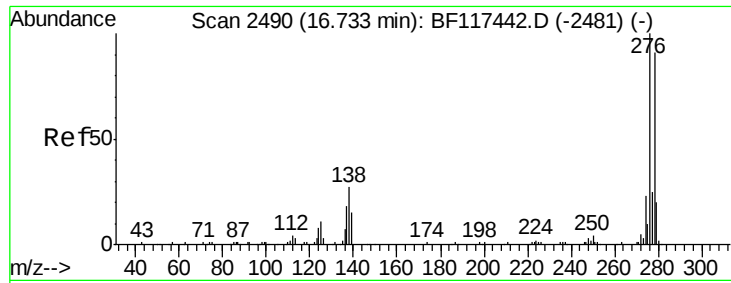


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

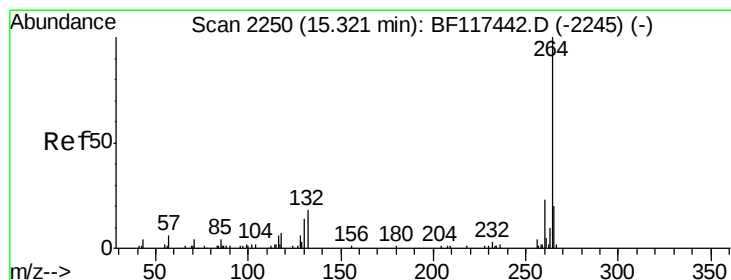
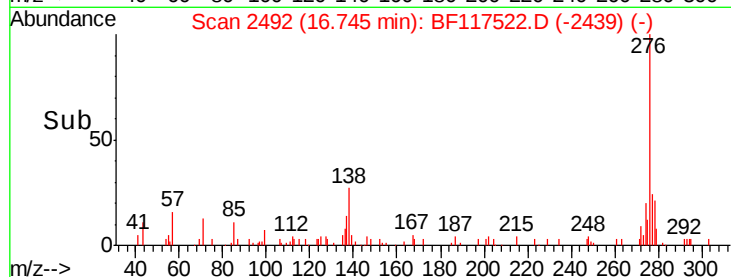
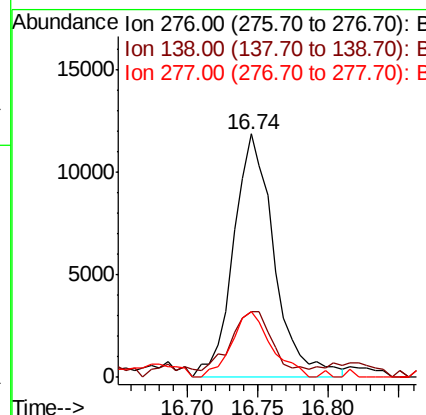
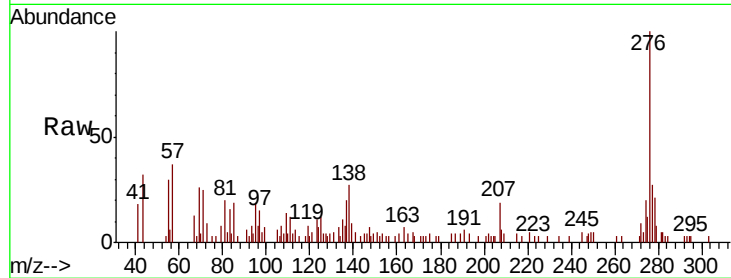




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.771 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

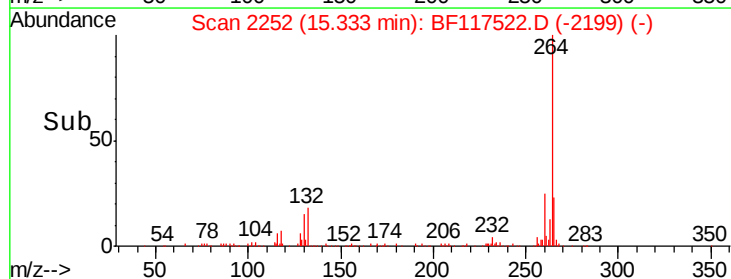
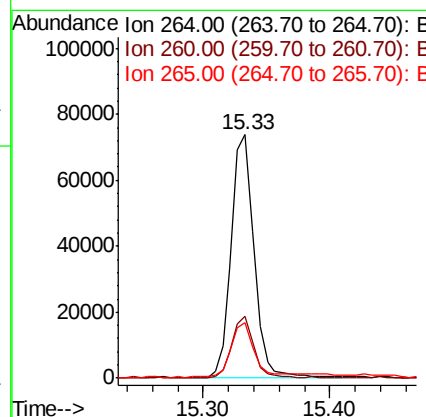
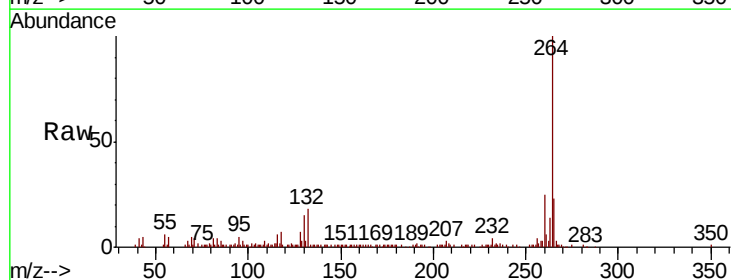
Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

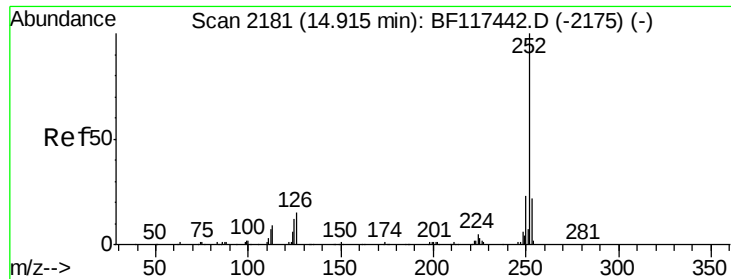
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.8	32.8
277	26.0	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.4	27.6
265	22.7	16.1	24.1

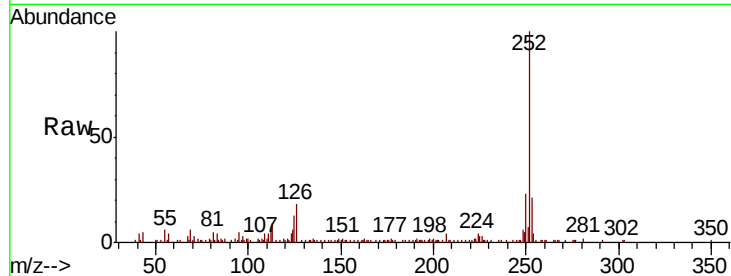




#88
Benzo(b)fluoranthene
Concen: 18.495 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	13.4	9.9	14.9

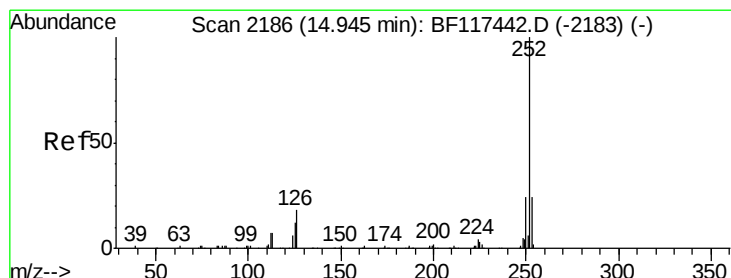
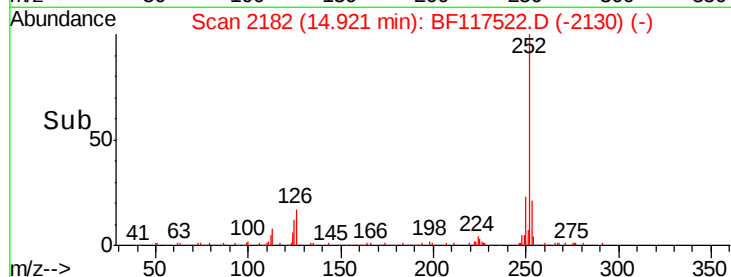
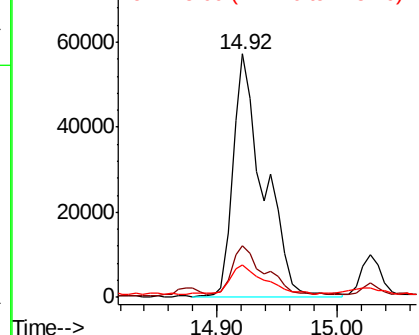


Abundance

Ion 252.00 (251.70 to 252.70): E

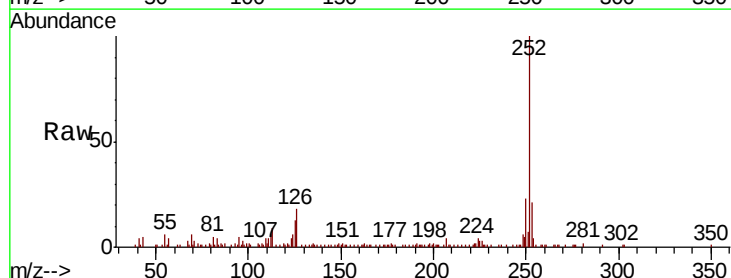
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 18.045 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.0	27.0
125	13.4	8.9	13.3#

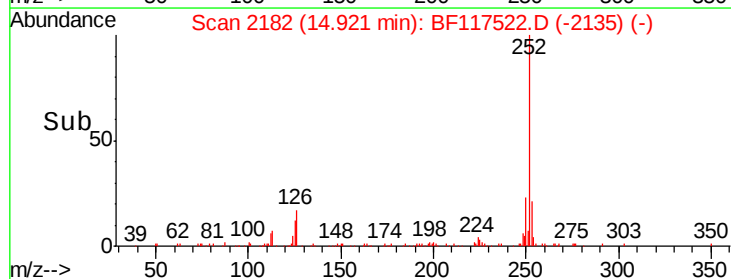
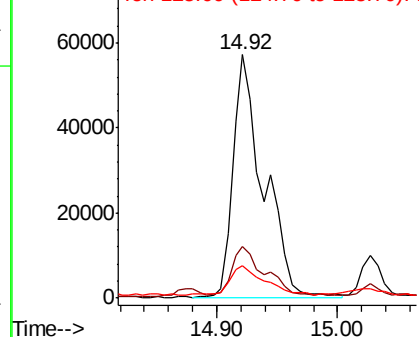


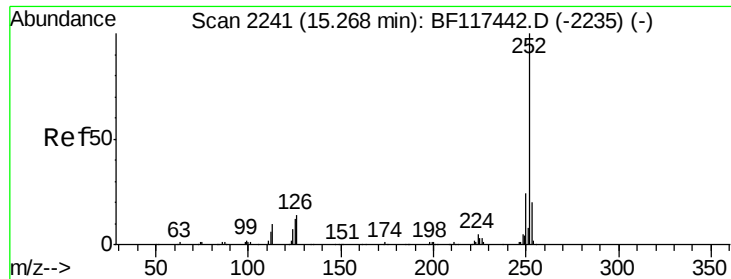
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

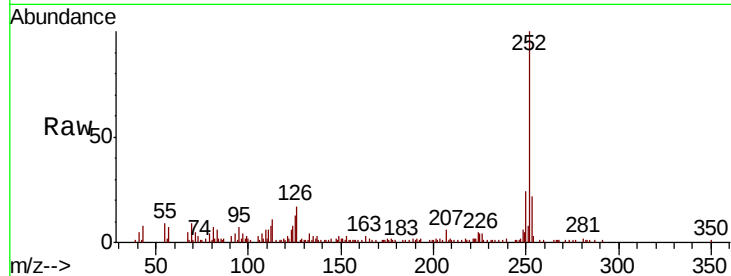




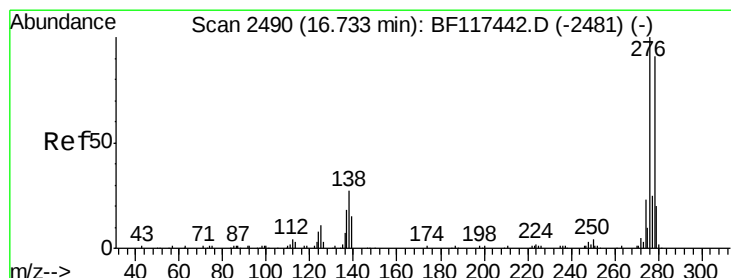
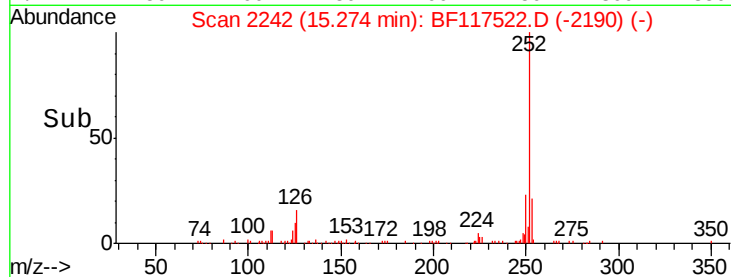
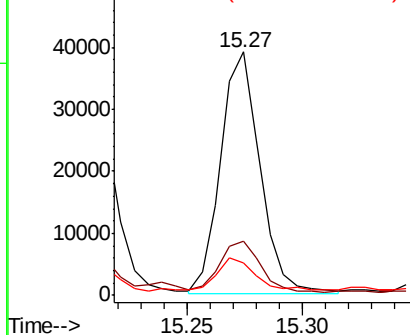
#90
Benzo(a)pyrene
Concen: 9.345 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.3	24.5
125	13.2	9.2	13.8

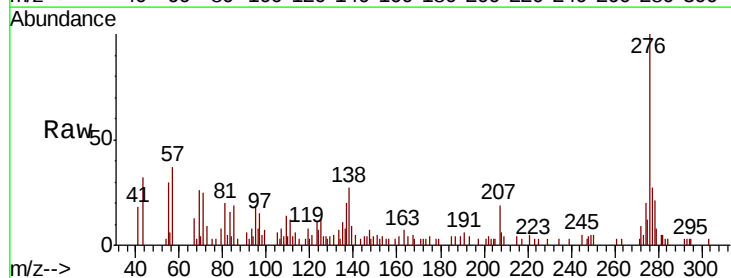


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

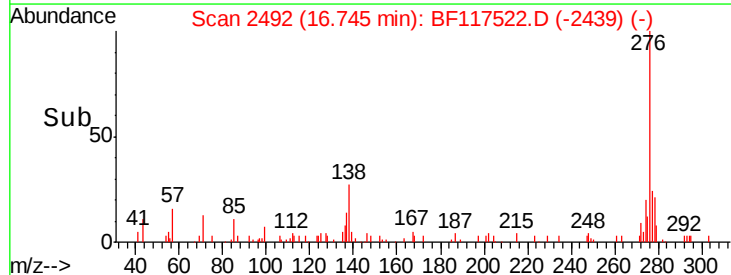
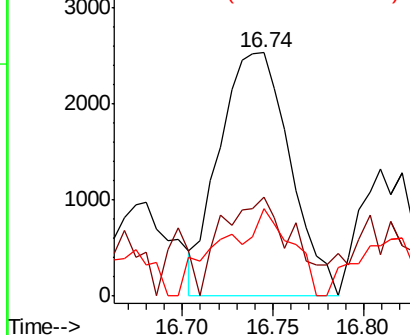


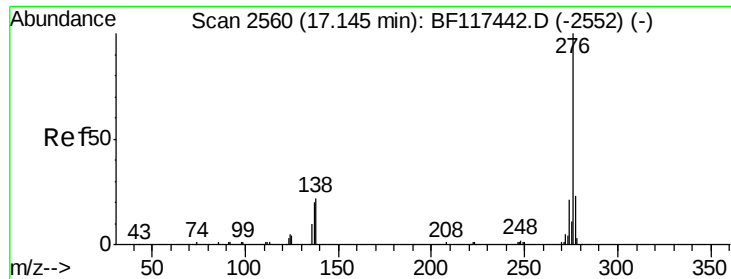
#91
Dibenzo(a,h)anthracene
Concen: 1.594 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.7	13.4	20.0#
279	35.8	17.8	26.6#



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





#92
 Benzo(a,h,i)perylene
 Concen: 5.253 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. 0.03 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.1	18.4	27.6#
138	26.5	17.8	26.6

