

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117529.D
 Acq On : 24 Oct 2019 23:46
 Operator : JU
 Sample : K5498-13 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 191-94-(0-1)

Quant Time: Oct 25 01:09:14 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	68644	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	274622	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	126767	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	170692	20.00	ng	0.00
76) Chrysene-d12	13.90	240	123591	20.00	ng	0.00
87) Perylene-d12	15.33	264	95297	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	152068	32.96	ng	0.00
7) Phenol-d6	6.39	99	216533	34.94	ng	0.00
23) Nitrobenzene-d5	7.30	82	126978	22.83	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	30006	27.36	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	194962	21.67	ng	0.00
79) Terphenyl-d14	12.83	244	123559	16.31	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.13	79	1170	0.246	ng	# 32
6) Aniline	6.52	93	234	0.032	ng	# 1
9) Benzaldehyde	6.29	77	281	Below Cal		# 1
10) Phenol	6.40	94	5133	0.812	ng	# 91
11) bis(2-Chloroethyl)ether	6.52	93	234	0.050	ng	# 1
15) Benzyl Alcohol	6.89	79	2076	0.469	ng	# 59
18) Hexachloroethane	7.24	117	1337	0.621	ng	# 3
19) n-Nitroso-di-n-propylamine	7.30	70	17002	4.492	ng	# 79
22) Acetophenone	7.16	105	116	0.016	ng	# 55
24) Nitrobenzene	7.36	77	673	0.126	ng	# 41
25) Isophorone	7.30	82	126976	13.195	ng	# 65
26) 2-Nitrophenol	7.59	139	108	0.045	ng	# 1
31) Naphthalene	8.04	128	9095	0.668	ng	# 91
33) 4-Chloroaniline	8.04	127	1098	0.191	ng	# 30
36) 4-Chloro-3-methylphenol	8.79	107	309	0.073	ng	# 22
37) 2-Methylnaphthalene	8.73	142	2505	0.273	ng	# 71
38) 1-Methylnaphthalene	8.83	142	3296	0.382	ng	# 90
46) 1,1'-Biphenyl	9.19	154	965	0.092	ng	# 76
48) 2-Nitroaniline	9.33	65	142	0.055	ng	# 1
49) Acenaphthylene	9.63	152	4061	0.349	ng	# 89
50) Dimethylphthalate	9.49	163	27313	3.022	ng	# 99
51) 2,6-Dinitrotoluene	9.77	165	16290	8.638	ng	# 22
52) Acenaphthene	9.80	154	2927	0.410	ng	# 87
55) Dibenzofuran	9.97	168	2808	0.272	ng	# 80
56) 4-Nitrophenol	9.97	139	1009	5.039	ng	# 21
57) 2,4-Dinitrotoluene	9.77	165	16290	6.497	ng	# 12
58) Fluorene	10.32	166	3880	0.454	ng	# 91
63) Azobenzene	10.47	77	806	0.086	ng	# 1
66) n-Nitrosodiphenylamine	10.43	169	275	0.044	ng	# 73
67) 4-Bromophenyl-phenylether	10.56	248	1807	0.983	ng	# 1
71) Phenanthrene	11.28	178	48800	4.924	ng	# 96
72) Anthracene	11.33	178	17533	1.724	ng	# 96
73) Carbazole	11.50	167	3529	0.380	ng	# 97
74) Di-n-butylphthalate	11.81	149	658	0.053	ng	# 78

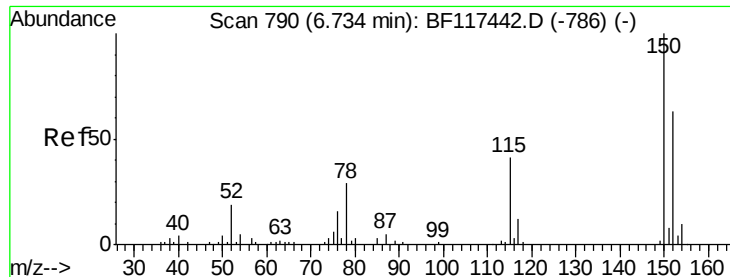
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117529.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluoranthene	12.47	202	79802	8.043	nq	100
77) Benzidine	12.83	184	1787	Below Cal	#	81
78) Pyrene	12.70	202	75691	7.130	nq	99
80) Butylbenzylphthalate	13.30	149	1427	0.270	nq	# 1
81) Benzo(a)anthracene	13.89	228	38086	4.568	nq	96
82) 3,3'-Dichlorobenzidine	13.93	252	376	0.144	nq	# 1
83) Chrysene	13.93	228	35936	4.398	nq	95
84) Bis(2-ethylhexyl)phthalate	13.86	149	3342	0.452	nq	# 98
85) Di-n-octyl phthalate	14.49	149	764	0.067	nq	# 79
86) Indeno(1,2,3-cd)pyrene	16.75	276	13968	2.290	nq	# 91
88) Benzo(b)fluoranthene	14.93	252	46248	8.218	nq	# 97
89) Benzo(k)fluoranthene	14.93	252	46248	8.018	nq	# 95
90) Benzo(a)pyrene	15.28	252	22889	4.474	nq	# 88
91) Dibenzo(a,h)anthracene	16.74	278	3740	0.845	nq	# 40
92) Benzo(a,h,i)perylene	17.19	276	12412	2.965	nq	# 90

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

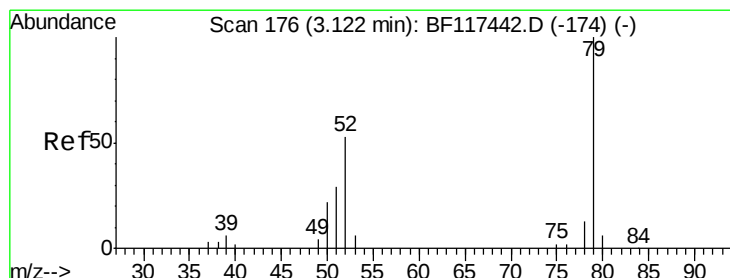
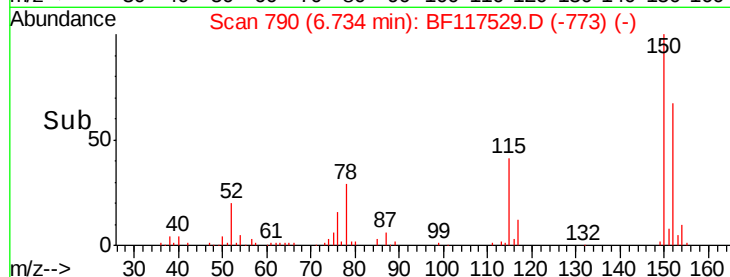
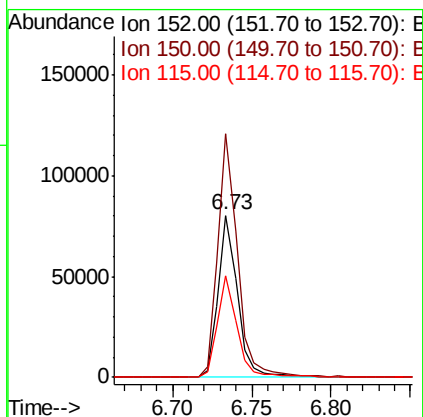
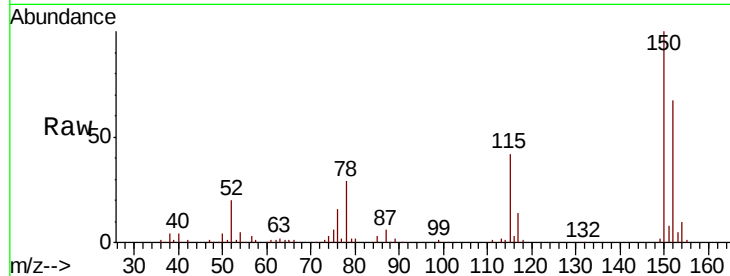


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

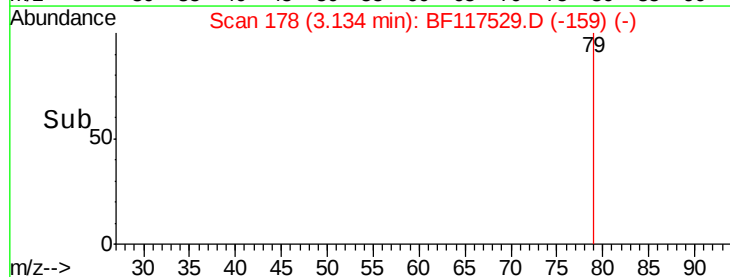
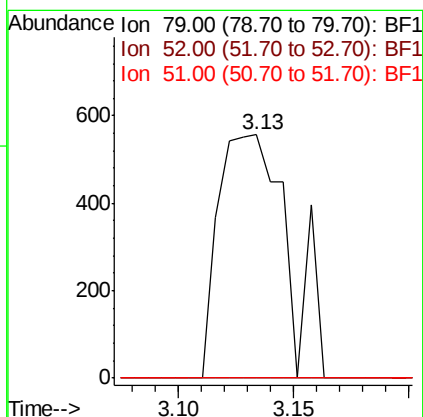
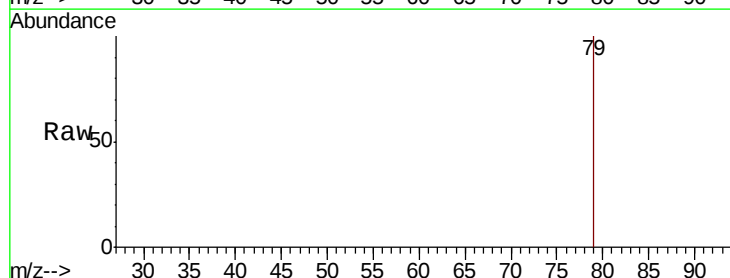
Tot Ion:152 Resp: 68644
Ion Ratio Lower Upper
152 100
150 150.2 126.8 190.2
115 62.5 51.6 77.4

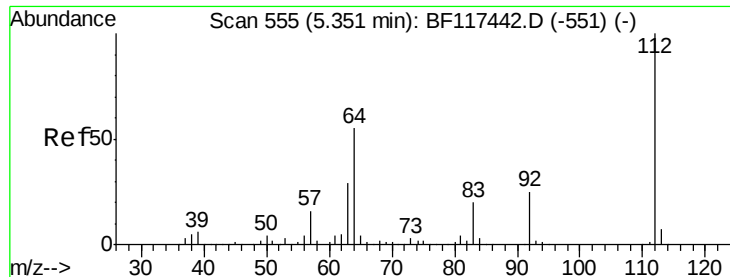


#3

Pyridine
Concen: 0.246 ng
RT: 3.13 min Scan# 178
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion: 79 Resp: 1170
Ion Ratio Lower Upper
79 100
52 0.0 42.4 63.6#
51 0.0 23.3 34.9#





#5

2-Fluorophenol

Concen: 32.957 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

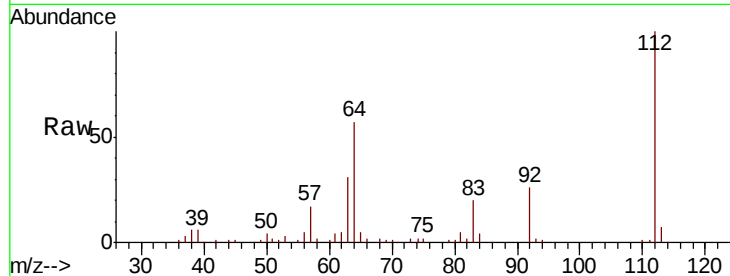
Tot Ion:112 Resp: 152068

Ion Ratio Lower Upper

112 100

64 57.3 44.1 66.1

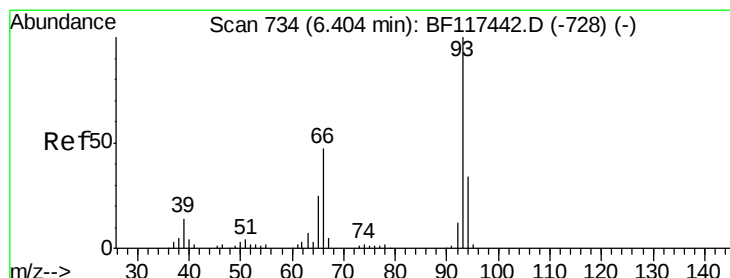
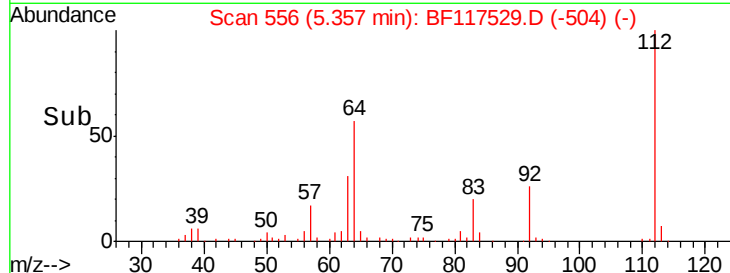
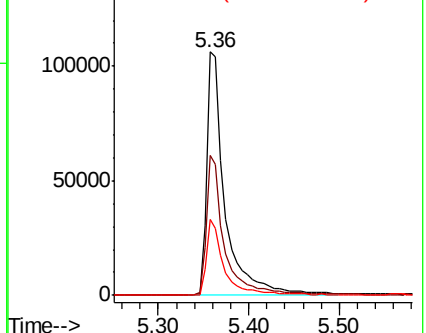
63 31.2 23.4 35.2



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



#6

Aniline

Concen: 0.032 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.11 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

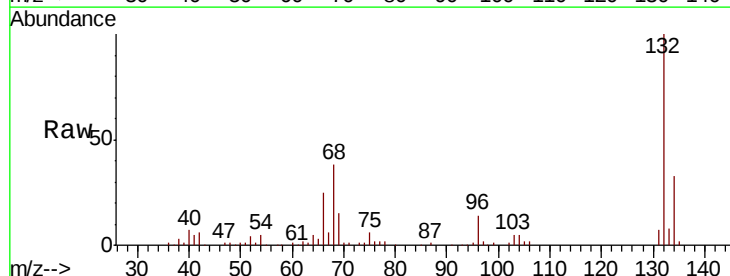
Tgt Ion: 93 Resp: 234

Ion Ratio Lower Upper

93 100

66 9284.7 38.7 58.1#

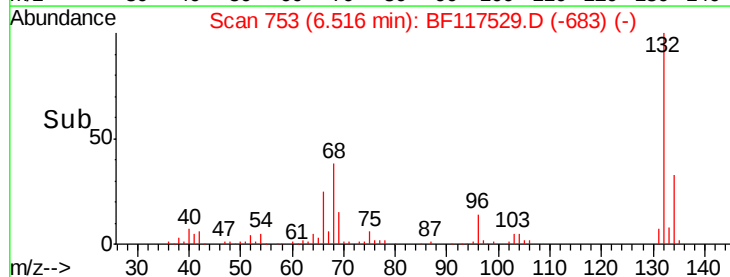
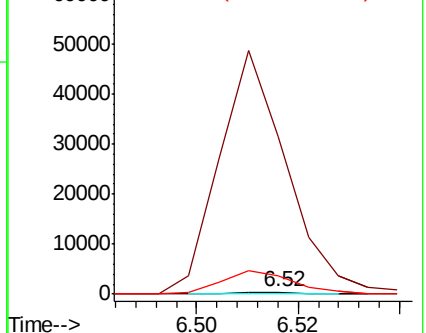
65 1083.8 20.1 30.1#

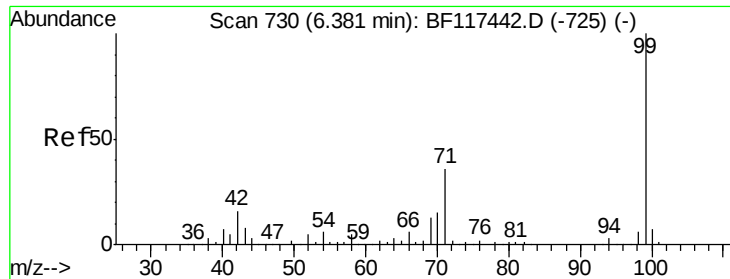


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 34.940 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

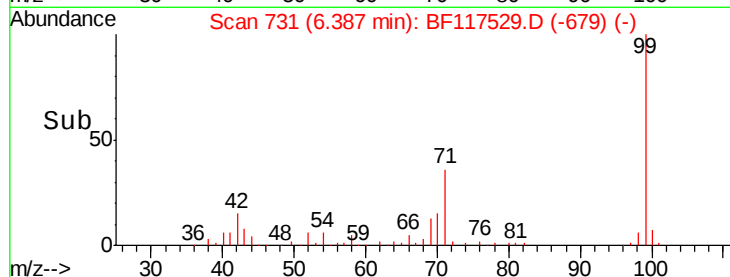
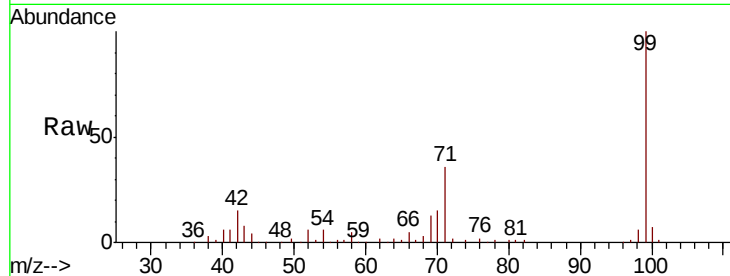
Tot Ion: 99 Resp: 216533

Ion Ratio Lower Upper

99 100

42 15.4 12.8 19.2

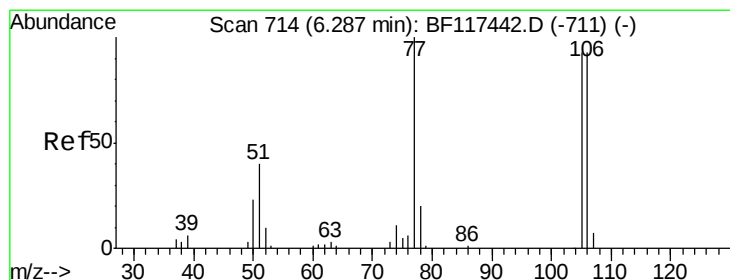
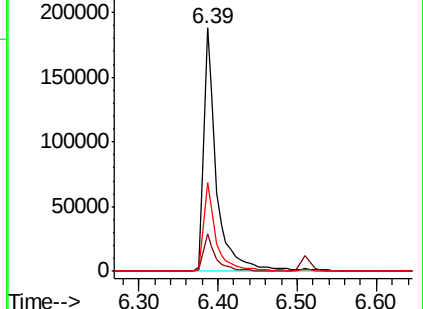
71 36.3 28.6 43.0



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: 6.29 min Scan# 715

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

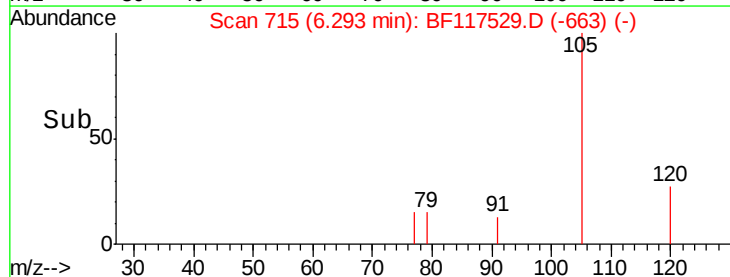
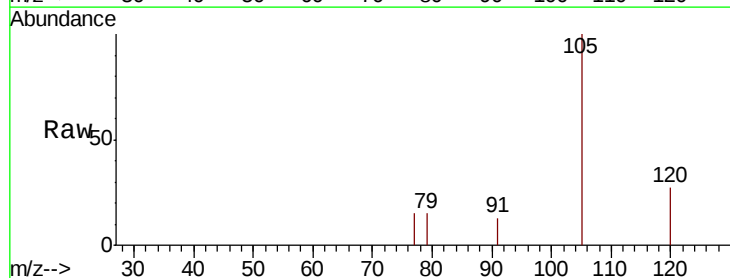
Tgt Ion: 77 Resp: 281

Ion Ratio Lower Upper

77 100

105 681.7 73.4 113.4#

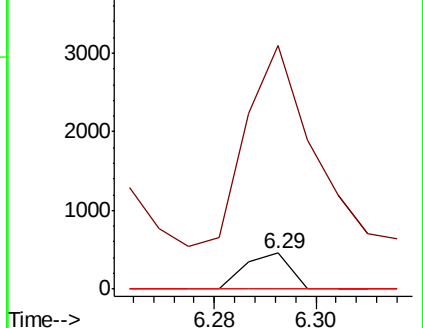
106 0.0 73.0 113.0#

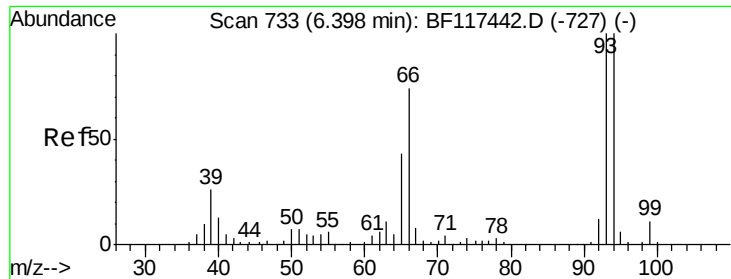


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.812 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

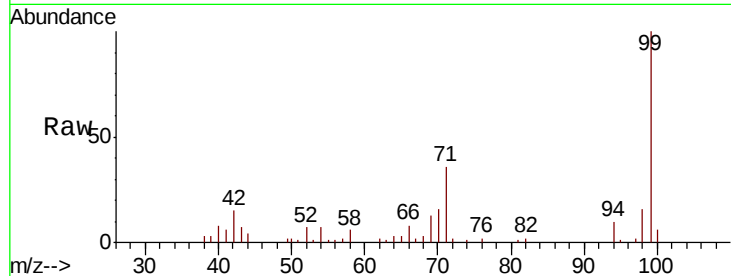
Tot Ion: 94 Resp: 5133

Ion Ratio Lower Upper

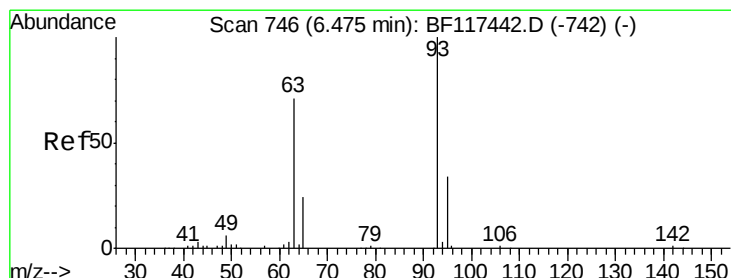
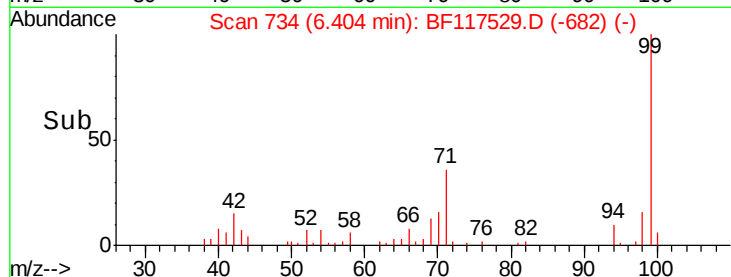
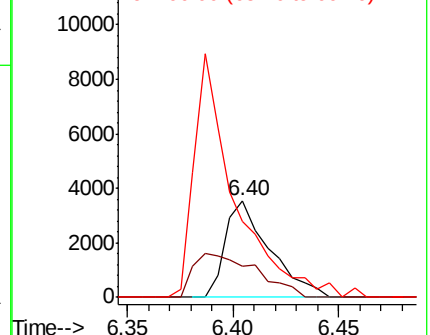
94 100

65 31.9 23.4 63.4

66 78.0 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



#11

bis(2-Chloroethyl)ether

Concen: 0.050 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.04 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

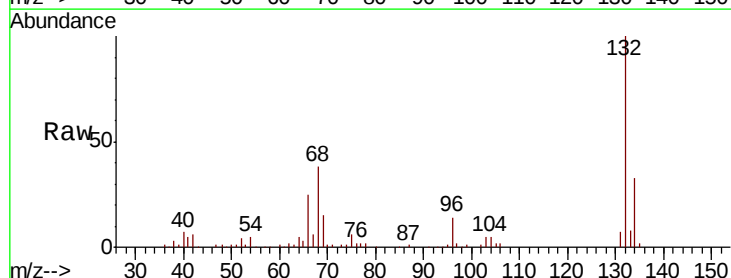
Tgt Ion: 93 Resp: 234

Ion Ratio Lower Upper

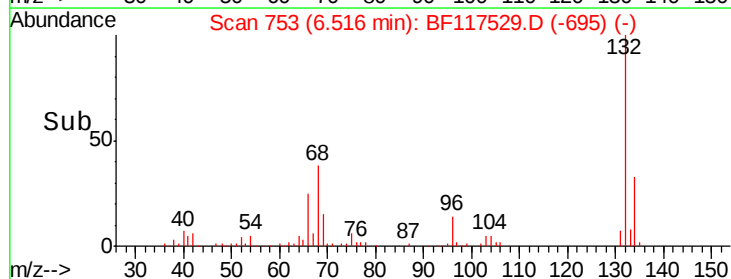
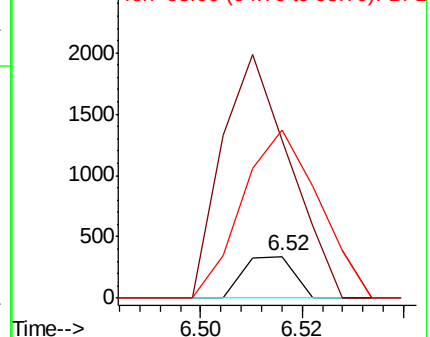
93 100

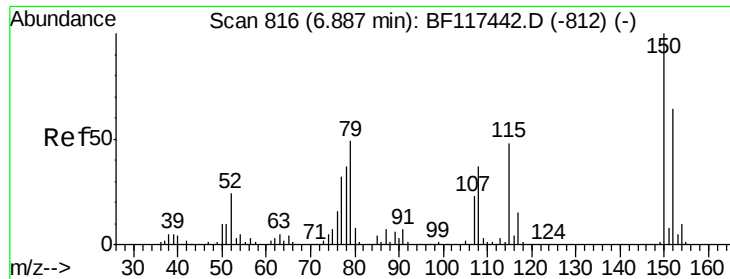
63 378.5 50.2 90.2#

95 403.2 13.9 53.9#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

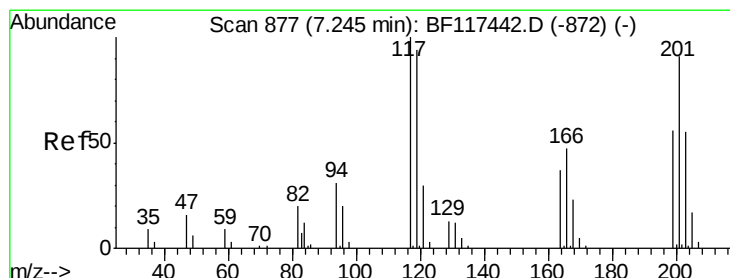
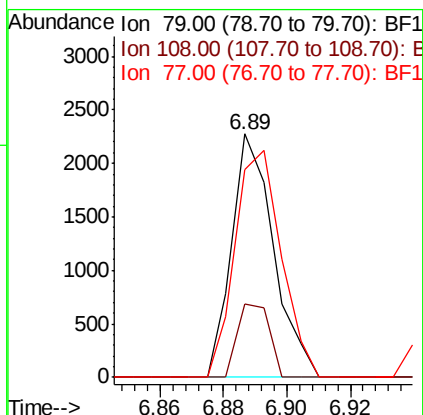
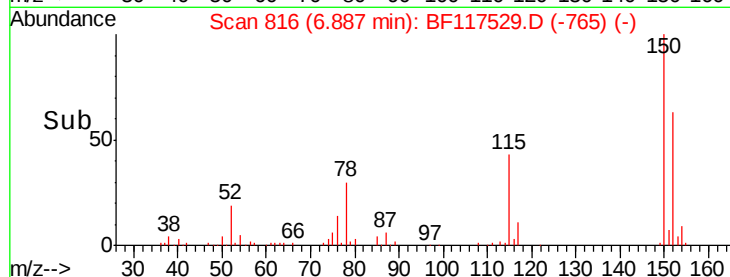
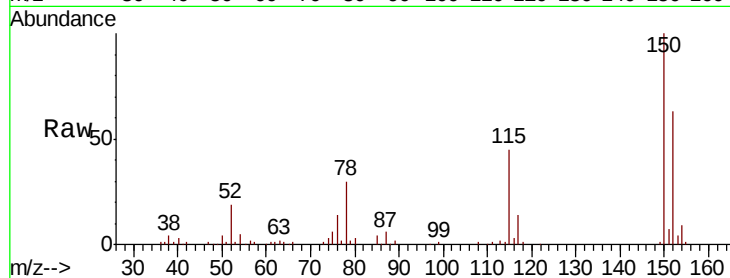




#15
Benzyl Alcohol
Concen: 0.469 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

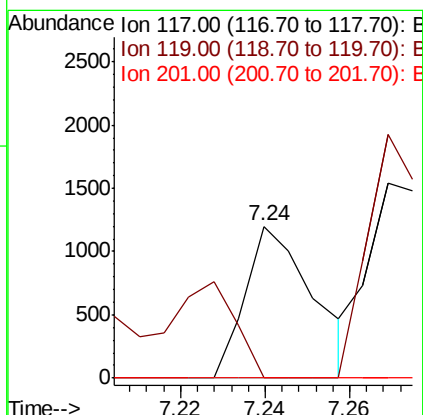
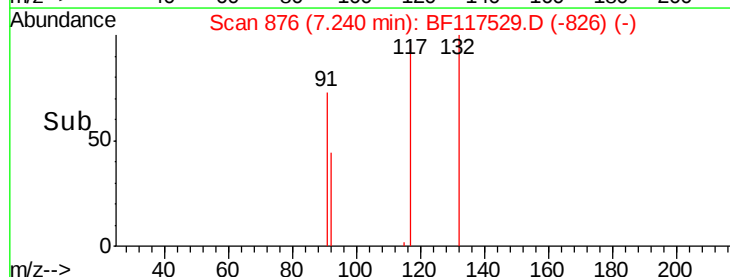
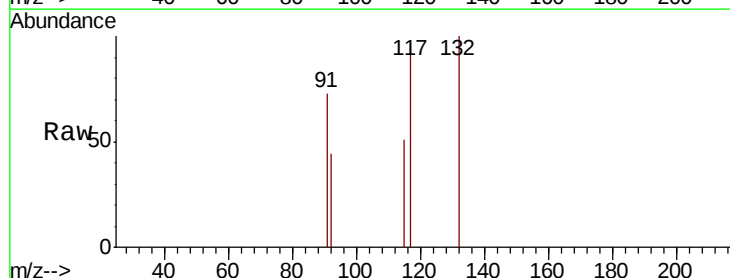
Instrument :
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191-94-(0-1)

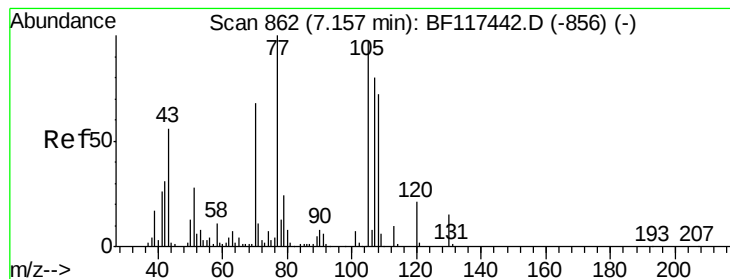
Tot Ion: 79 Resp: 2076
Ion Ratio Lower Upper
79 100
108 30.1 59.8 89.8#
77 85.3 51.4 77.0#



#18
Hexachloroethane
Concen: 0.621 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion: 117 Resp: 1337
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
201 0.0 72.5 108.7#





#19

n-Nitroso-di-n-propylamine

Concen: 4.492 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

Tot Ion: 70 Resp: 17002

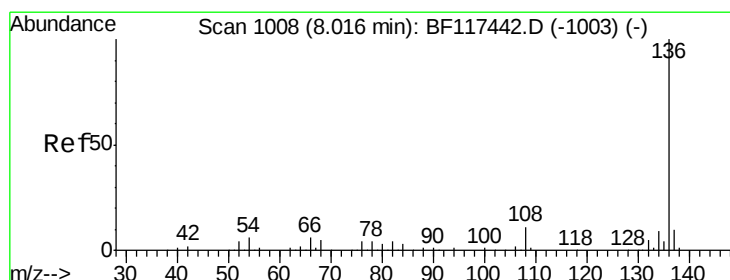
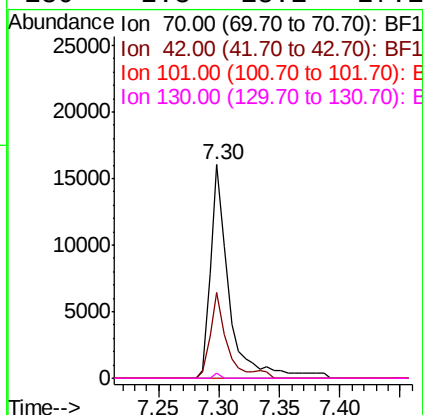
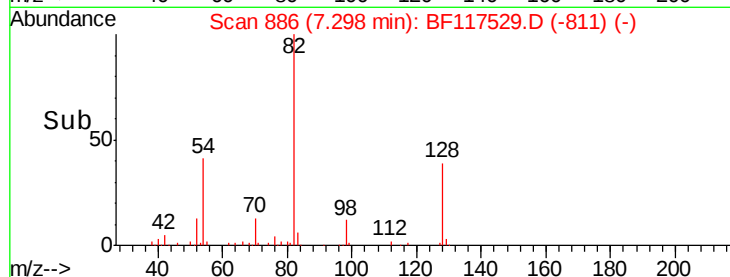
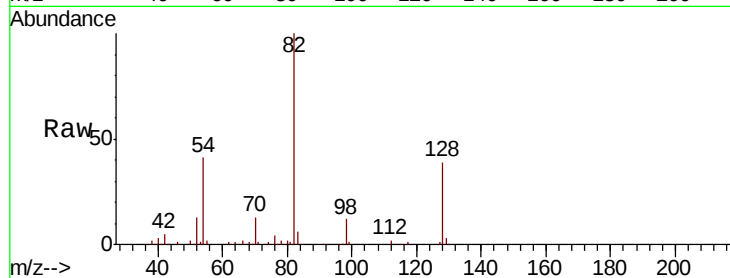
Ion Ratio Lower Upper

70 100

42 39.9 36.7 55.1

101 0.0 8.3 12.5#

130 2.3 18.1 27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Tgt Ion: 136 Resp: 274622

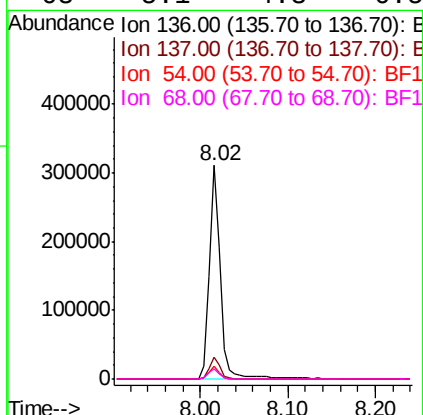
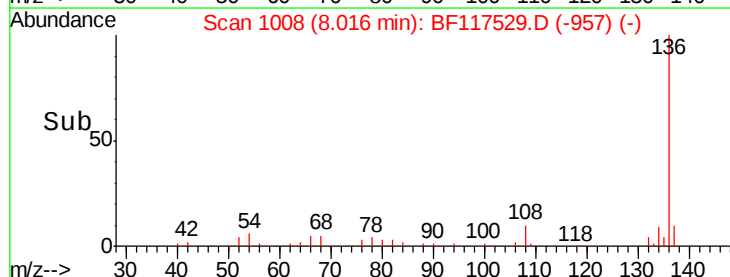
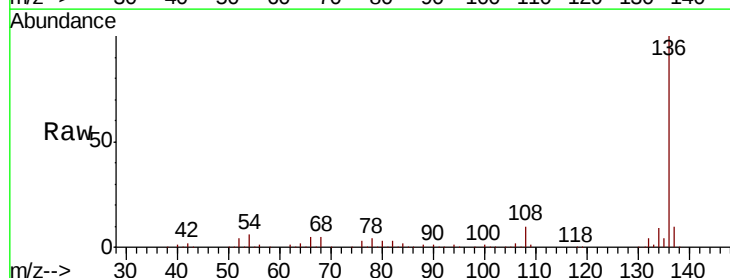
Ion Ratio Lower Upper

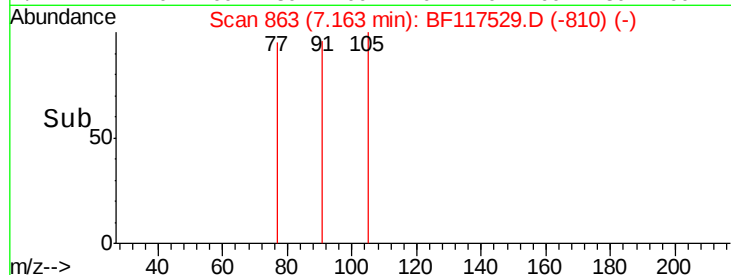
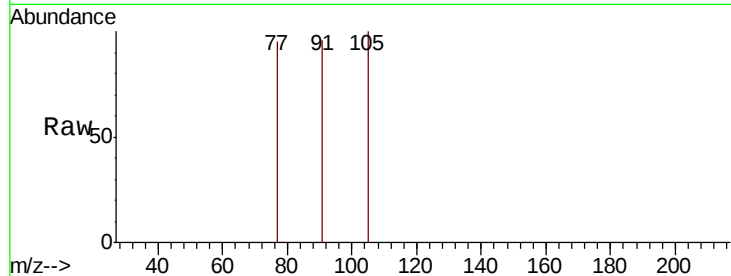
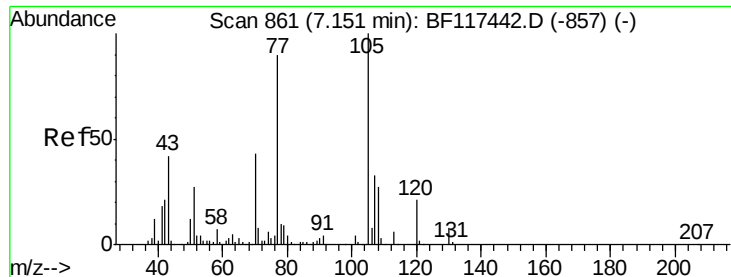
136 100

137 10.4 8.2 12.4

54 5.9 4.5 6.7

68 5.1 4.3 6.5

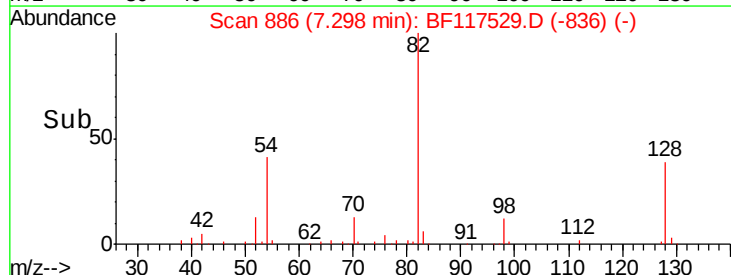
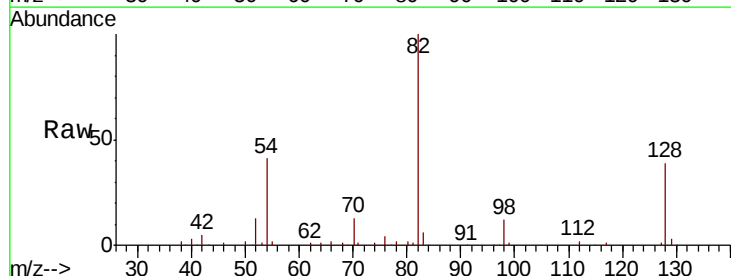
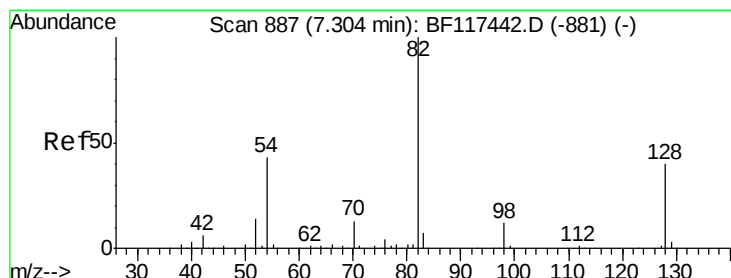
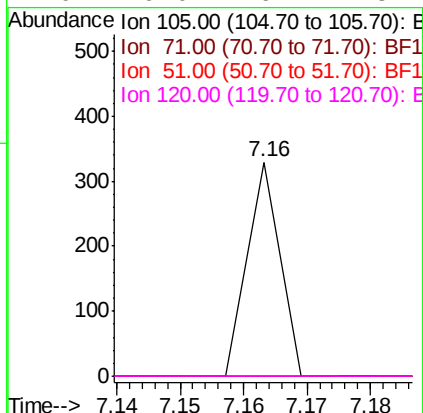




#22
Acetophenone
Concen: 0.016 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

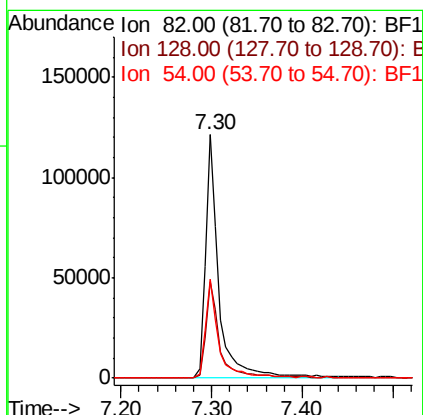
Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

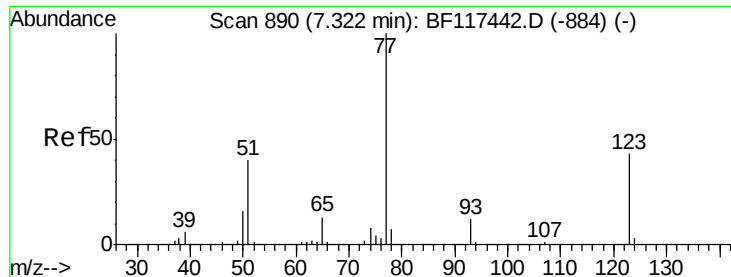
Tot Ion: 105 Resp: 116
Ion Ratio Lower Upper
105 100
71 0.0 6.2 9.2#
51 0.0 21.8 32.6#
120 0.0 16.7 25.1#



#23
Nitrobenzene-d5
Concen: 22.826 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion: 82 Resp: 126978
Ion Ratio Lower Upper
82 100
128 39.4 32.2 48.2
54 40.7 34.2 51.2





#24

Nitrobenzene

Concen: 0.126 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.04 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

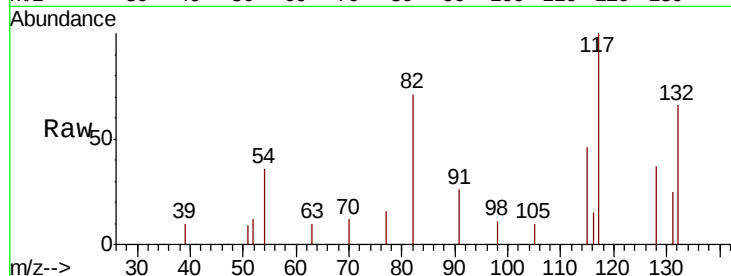
Tot Ion: 77 Resp: 673

Ion Ratio Lower Upper

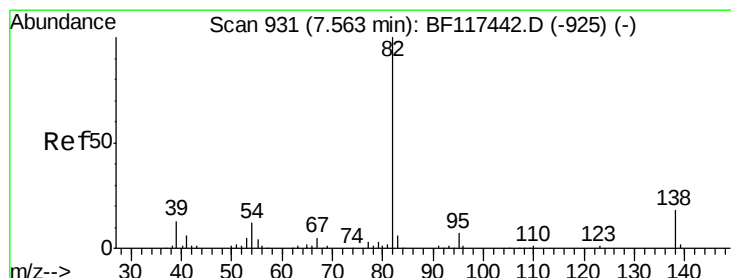
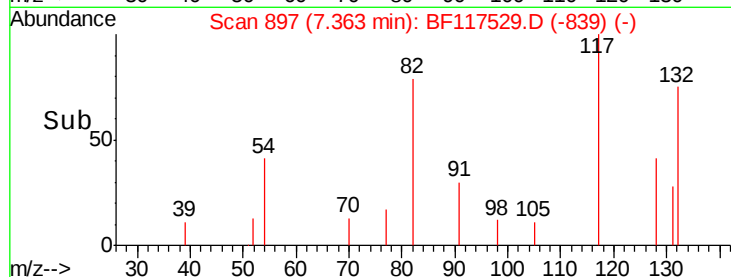
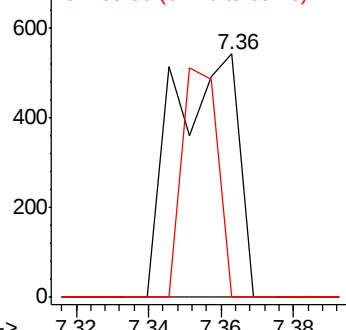
77 100

123 0.0 34.2 51.2#

65 0.0 10.3 15.5#



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



#25

Isophorone

Concen: 13.195 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

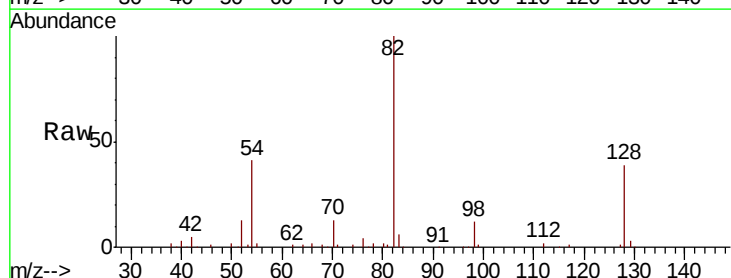
Tgt Ion: 82 Resp: 126976

Ion Ratio Lower Upper

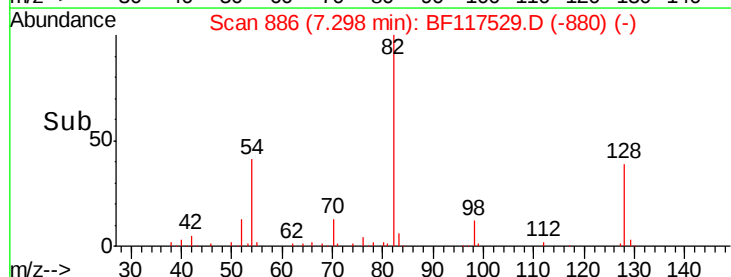
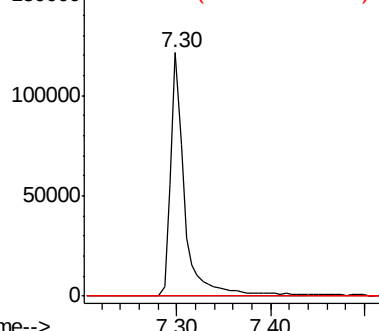
82 100

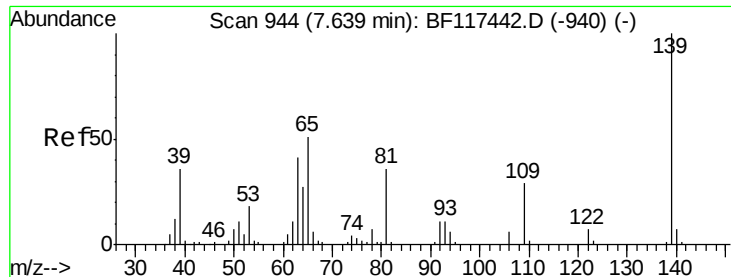
95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

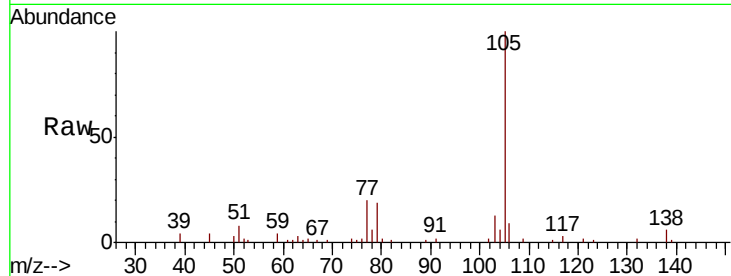




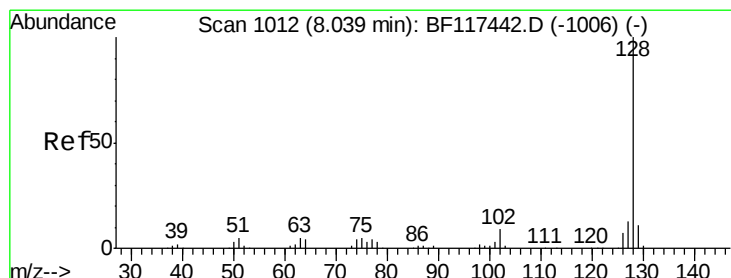
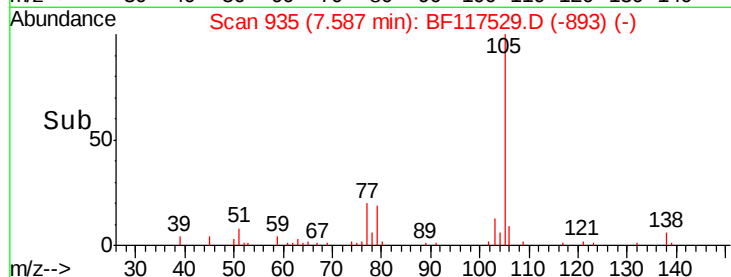
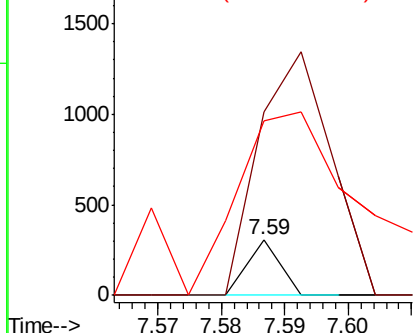
#26
2-Nitrophenol
Concen: 0.045 ng
RT: 7.59 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion:139 Resp: 108
Ion Ratio Lower Upper
139 100
109 330.9 23.2 34.8#
65 313.4 41.1 61.7#

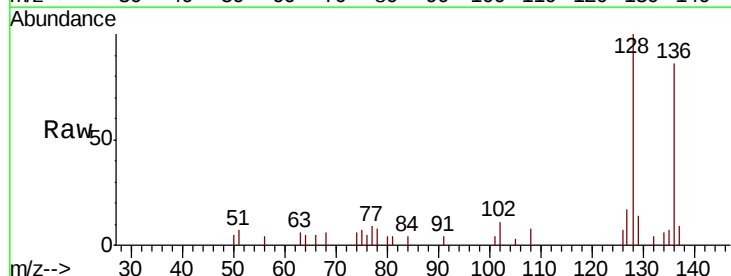


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

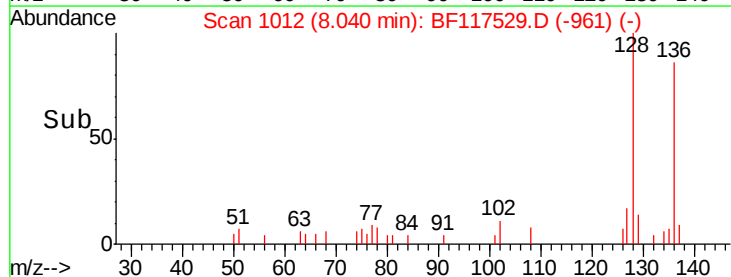
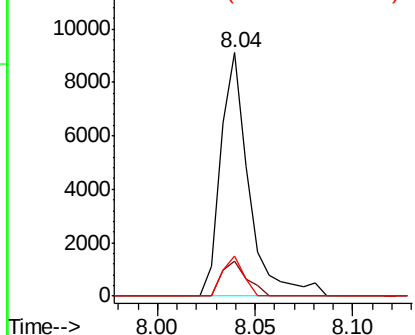


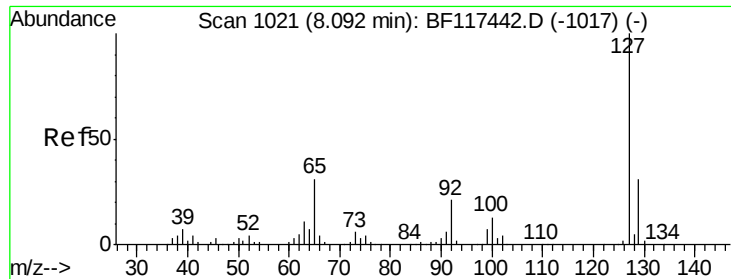
#31
Naphthalene
Concen: 0.668 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:128 Resp: 9095
Ion Ratio Lower Upper
128 100
129 14.3 9.0 13.4#
127 16.6 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

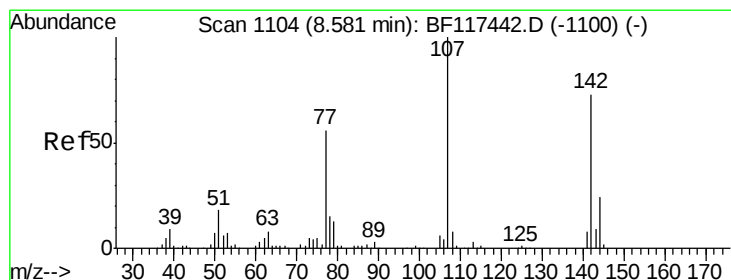
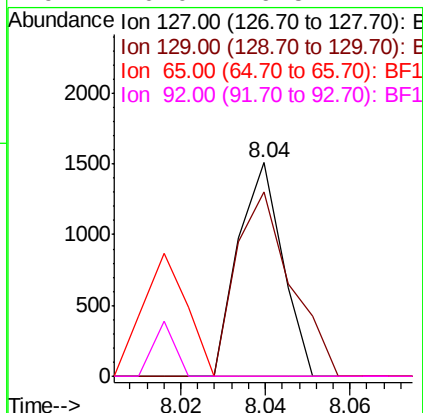
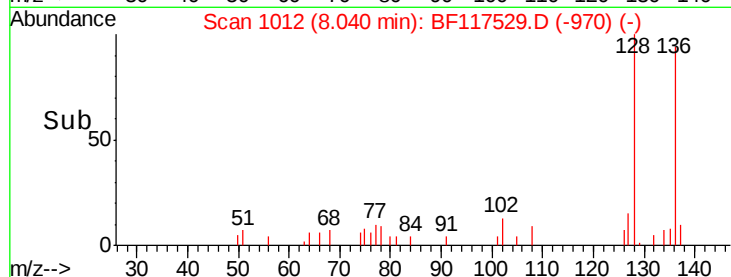
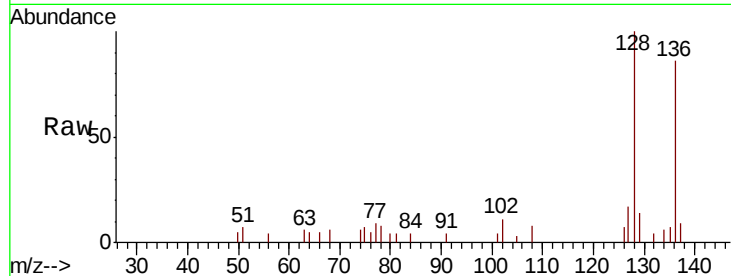




#33
4-Chloroaniline
Concen: 0.191 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.05 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

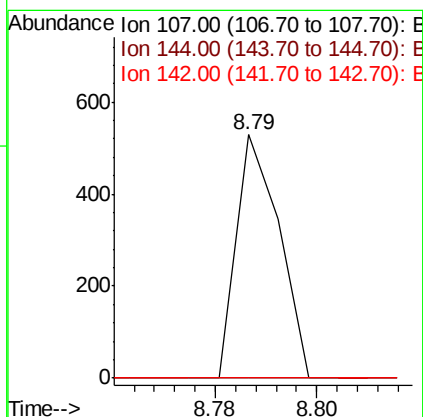
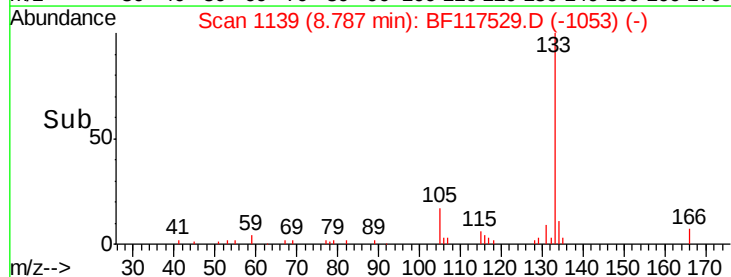
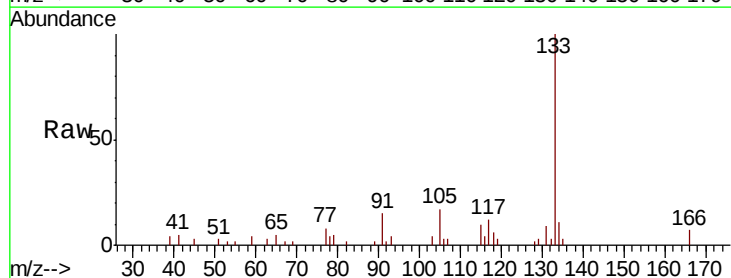
Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

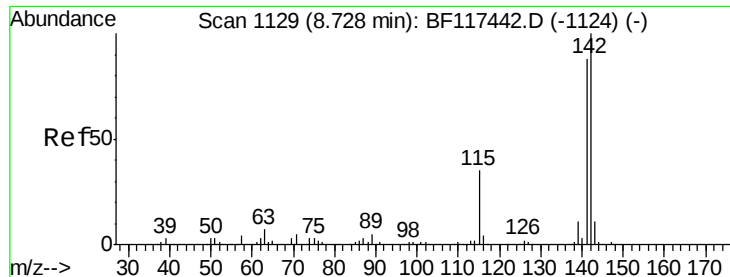
Tot Ion:	127	Resp:	1098
Ion	Ratio	Lower	Upper
127	100		
129	86.4	24.8	37.2#
65	0.0	24.6	37.0#
92	0.0	16.5	24.7#



#36
4-Chloro-3-methylphenol
Concen: 0.073 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.21 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:	107	Resp:	309
Ion	Ratio	Lower	Upper
107	100		
144	0.0	18.9	28.3#
142	0.0	58.6	88.0#

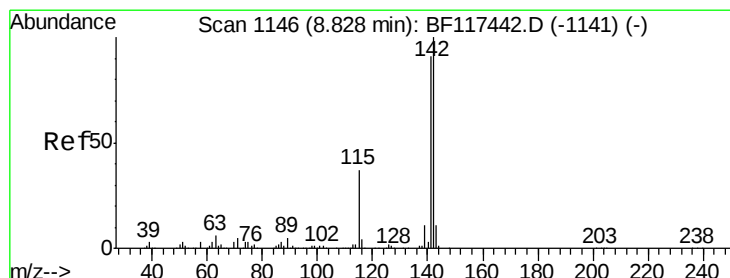
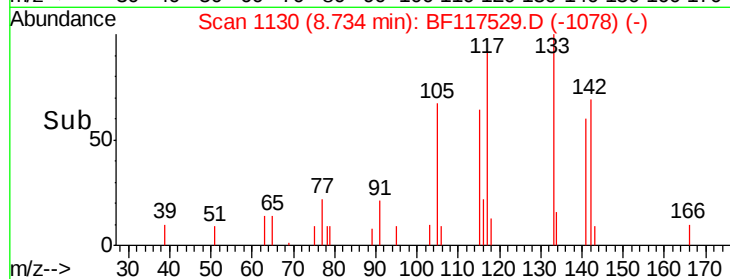
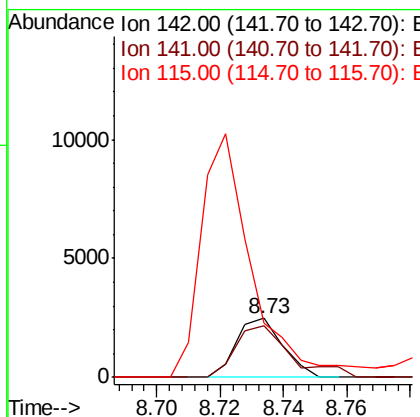
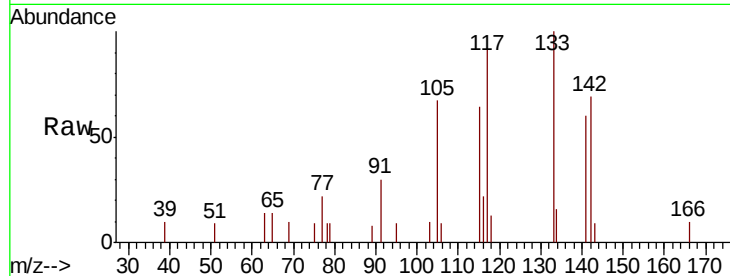




#37
2-Methylnaphthalene
Concen: 0.273 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

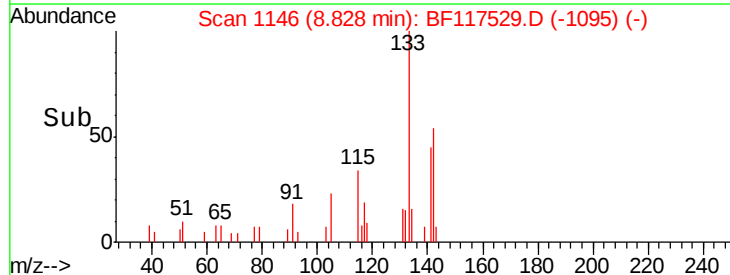
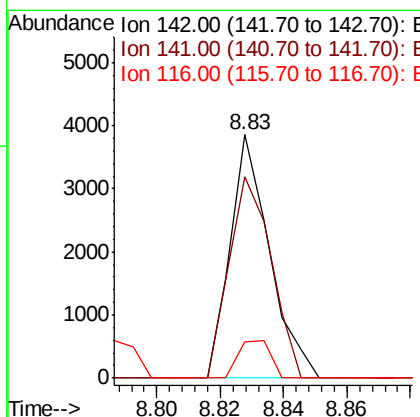
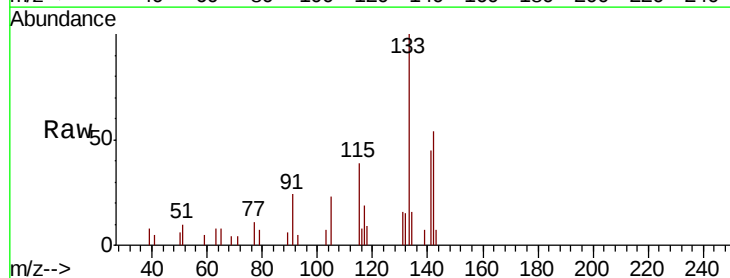
Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

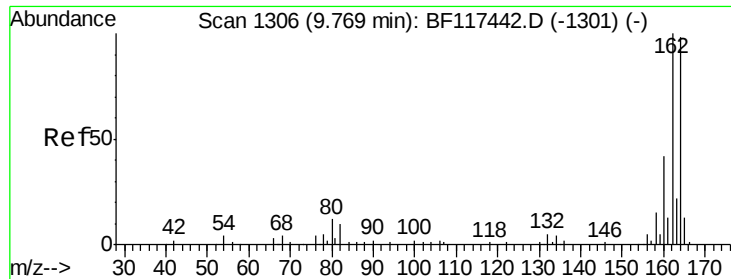
Tot Ion:142 Resp: 2505
Ion Ratio Lower Upper
142 100
141 87.3 70.3 105.5
115 92.8 28.2 42.2#



#38
1-Methylnaphthalene
Concen: 0.382 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:142 Resp: 3296
Ion Ratio Lower Upper
142 100
141 82.5 73.3 109.9
116 14.7 3.1 4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

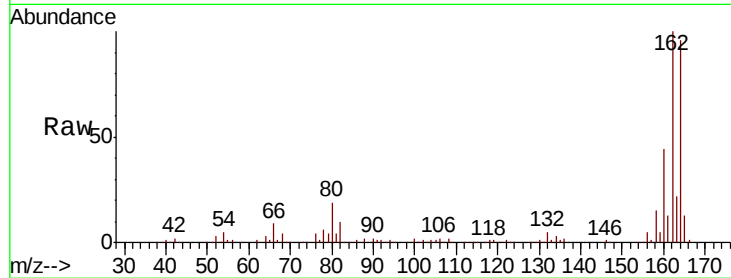
Tot Ion:164 Resp: 126767

Ion Ratio Lower Upper

164 100

162 103.6 81.8 122.6

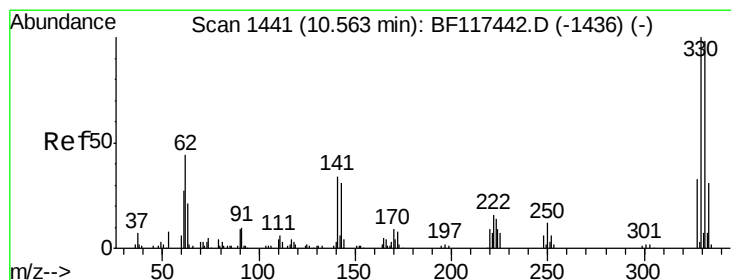
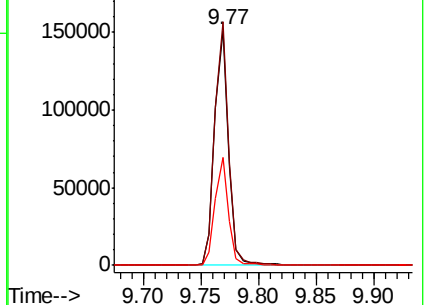
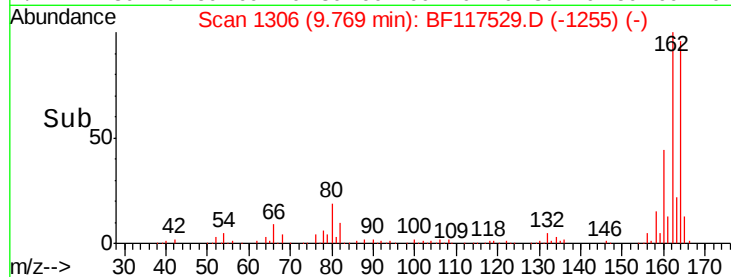
160 45.7 34.4 51.6



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: 27.356 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

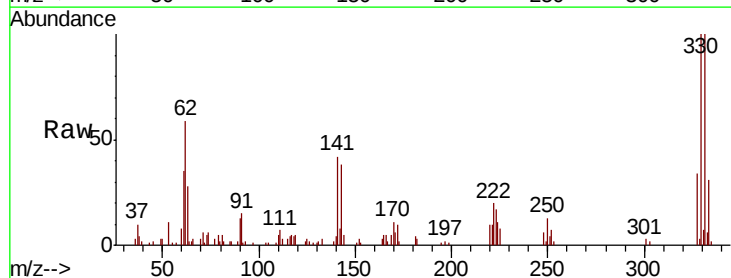
Tgt Ion:330 Resp: 30006

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

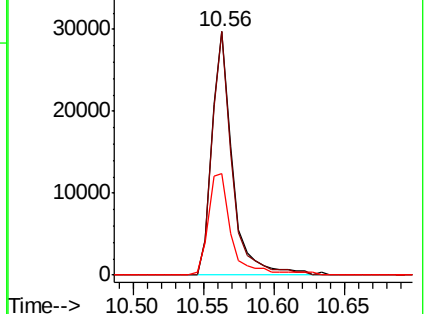
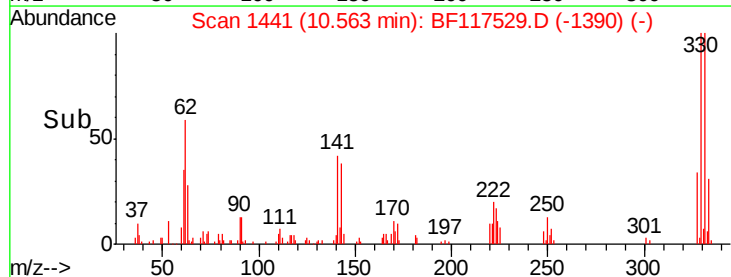
141 47.7 37.0 55.6

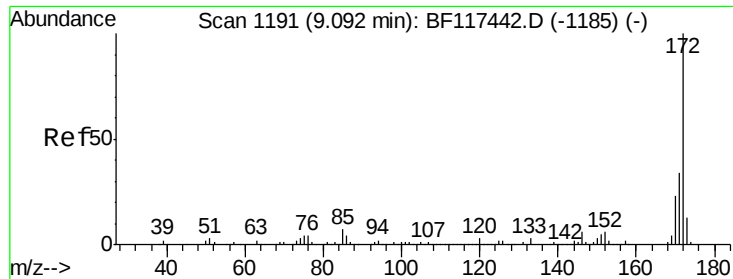


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

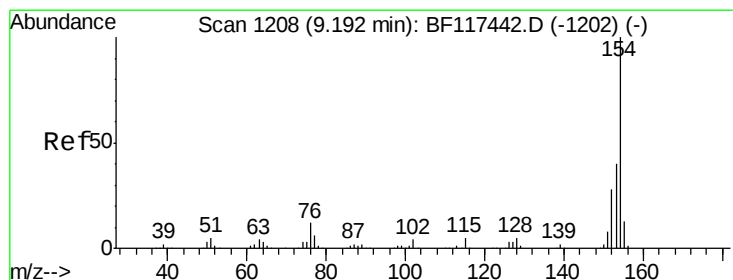
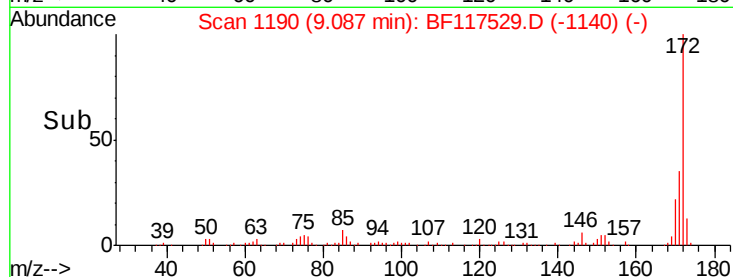
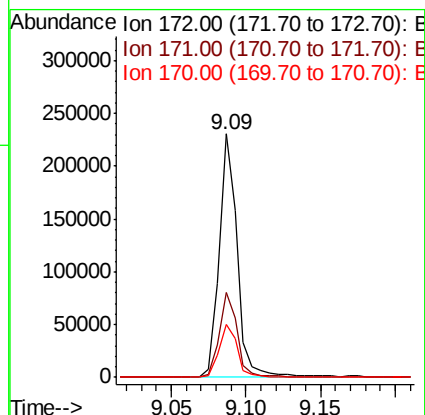
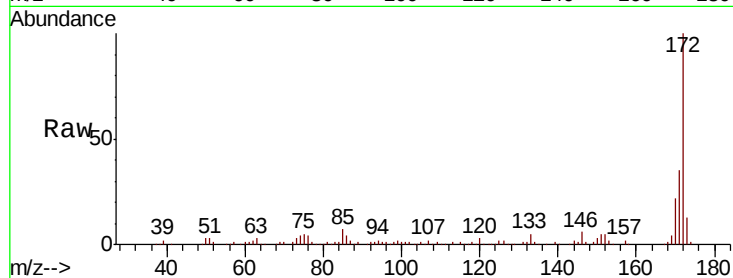




#45
2-Fluorobiphenyl
Concen: 21.670 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

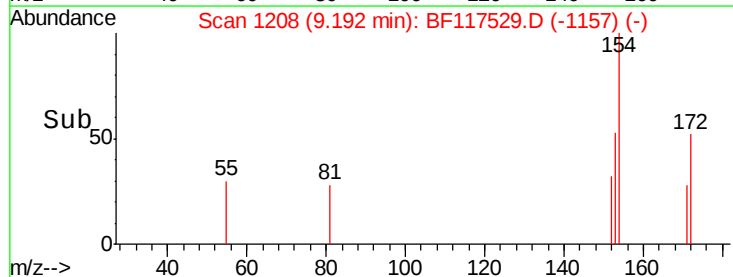
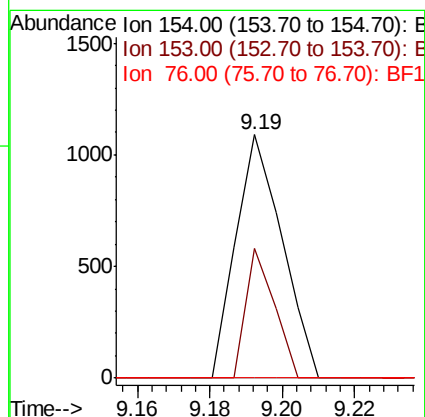
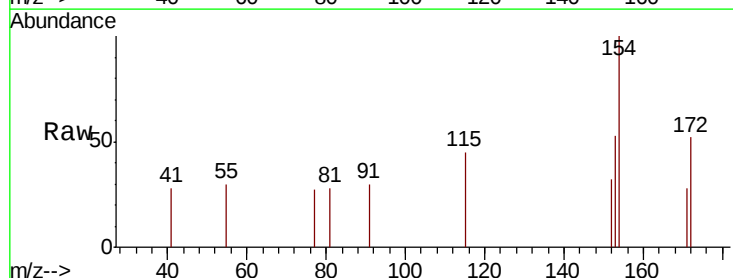
Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

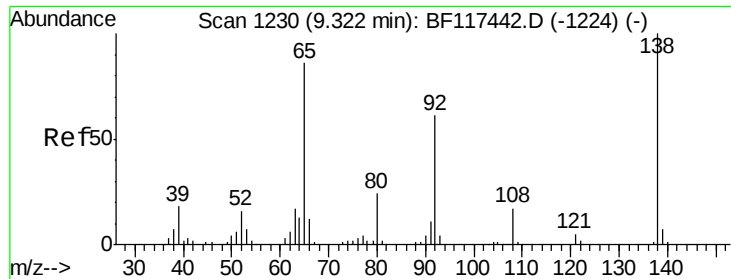
Tot Ion:172 Resp: 194962
Ion Ratio Lower Upper
172 100
171 35.1 27.5 41.3
170 21.8 18.6 27.8



#46
1,1'-Biphenyl
Concen: 0.092 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:154 Resp: 965
Ion Ratio Lower Upper
154 100
153 53.3 20.2 60.2
76 0.0 0.0 32.1

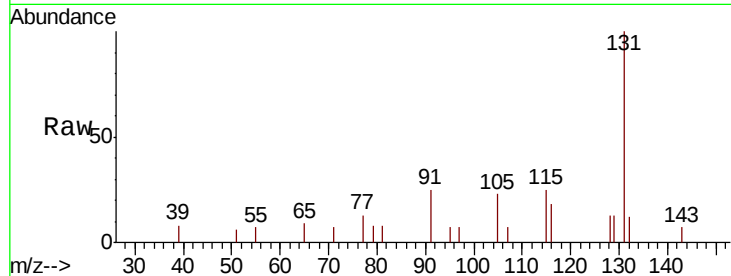




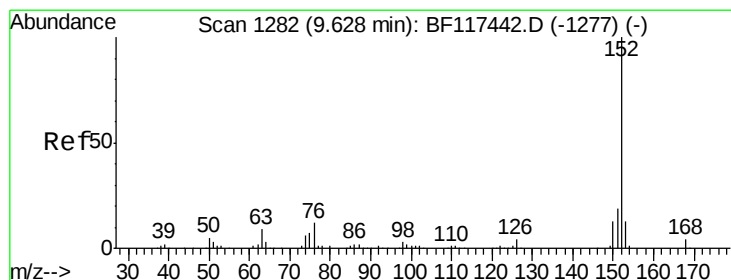
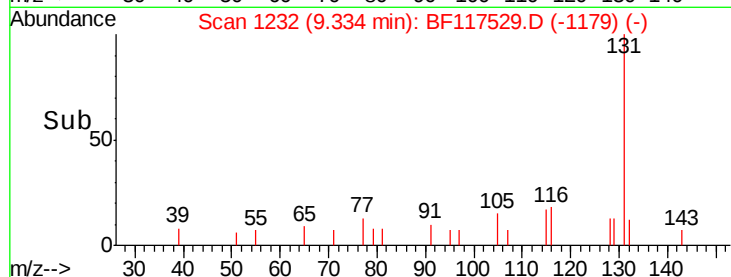
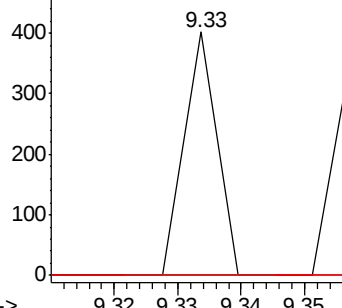
#48
2-Nitroaniline
Concen: 0.055 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion: 65 Resp: 142
Ion Ratio Lower Upper
65 100
92 0.0 57.3 85.9#
138 0.0 93.3 139.9#

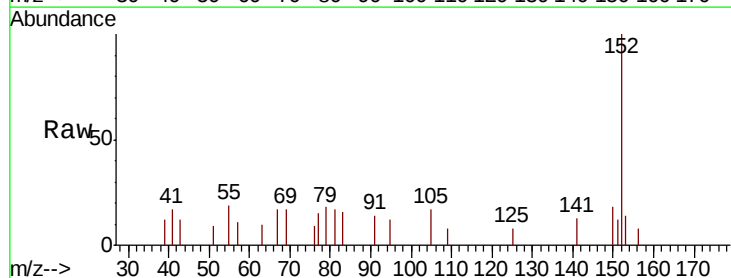


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

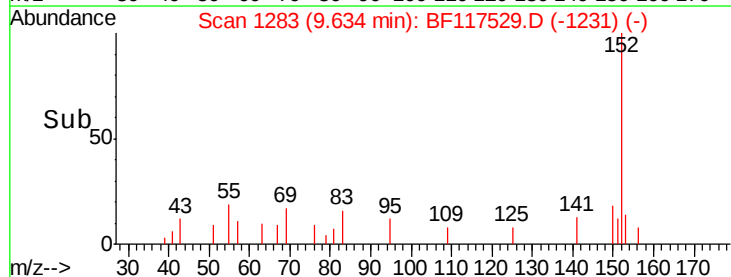
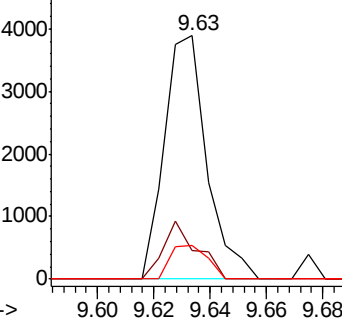


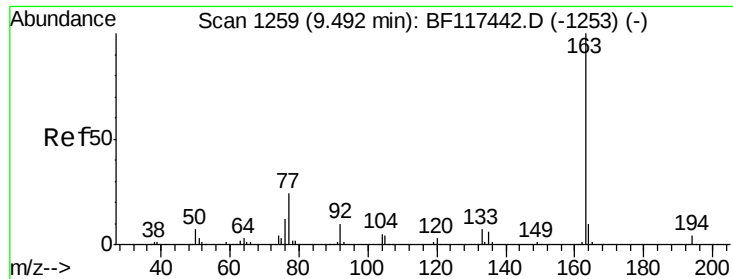
#49
Acenaphthylene
Concen: 0.349 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion: 152 Resp: 4061
Ion Ratio Lower Upper
152 100
151 11.8 15.4 23.0#
153 13.9 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: 3.022 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

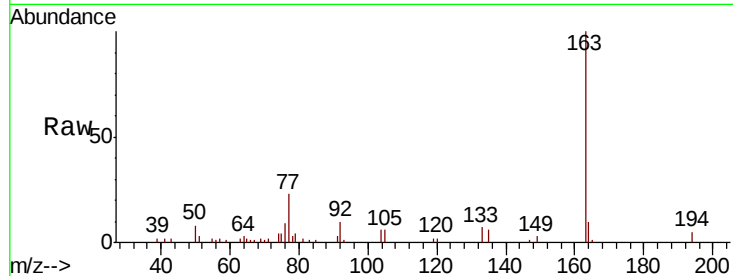
Tot Ion:163 Resp: 27313

Ion Ratio Lower Upper

163 100

194 4.8 2.9 4.3#

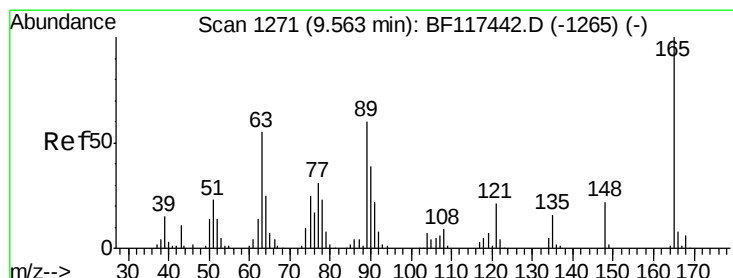
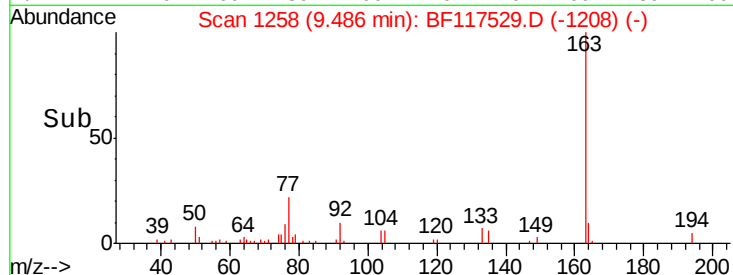
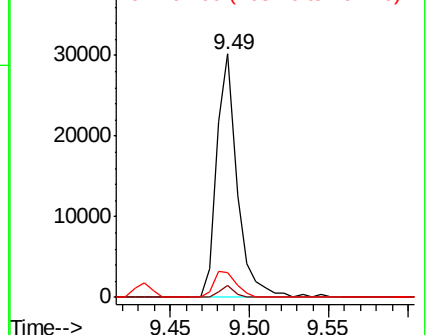
164 10.0 8.2 12.2



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: 8.638 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.21 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

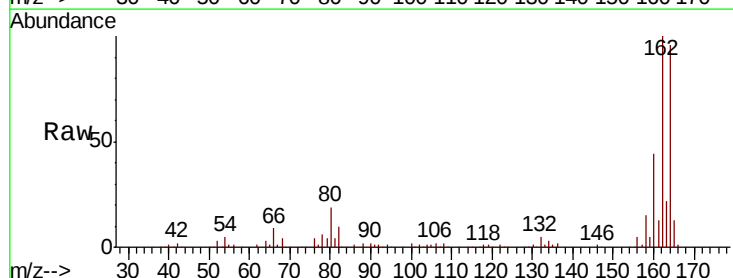
Tgt Ion:165 Resp: 16290

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

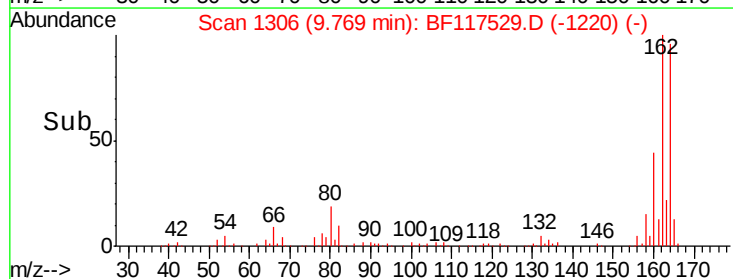
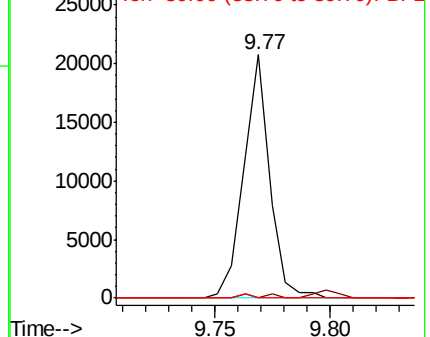
89 0.0 47.6 71.4#

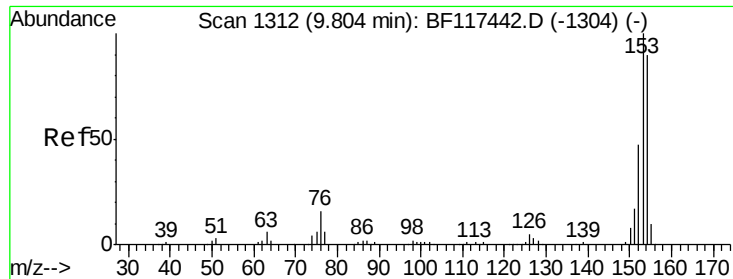


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.410 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

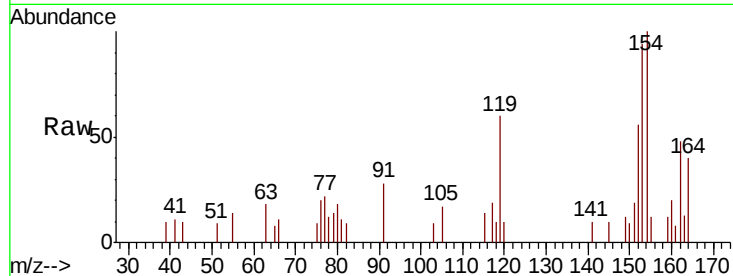
Tot Ion:154 Resp: 2927

Ion Ratio Lower Upper

154 100

153 93.7 89.2 133.8

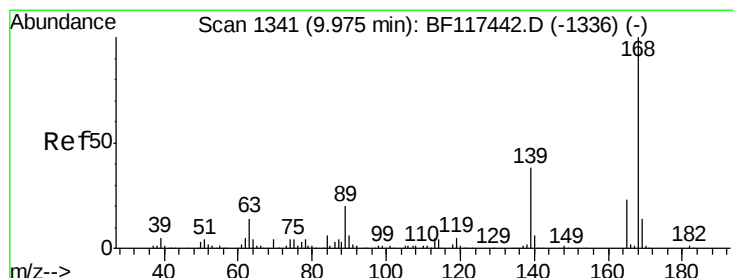
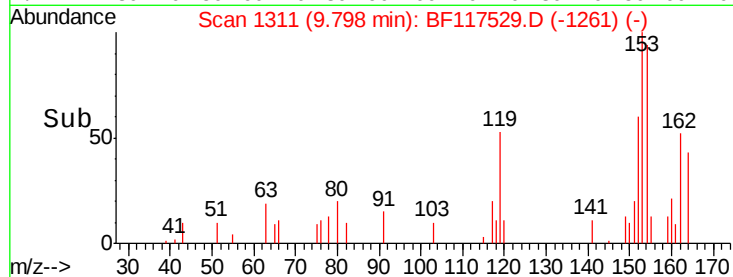
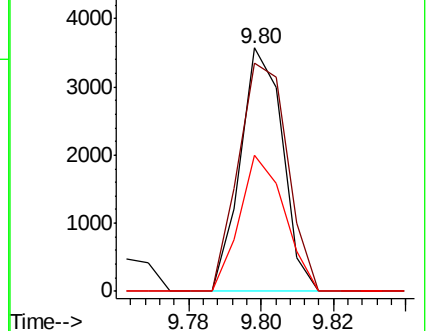
152 55.8 41.8 62.6



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: 0.272 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

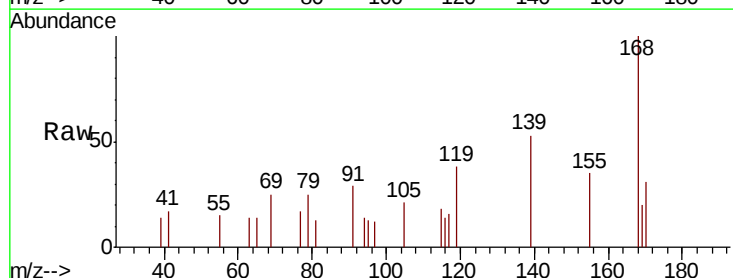
Tgt Ion:168 Resp: 2808

Ion Ratio Lower Upper

168 100

139 53.3 31.8 47.6#

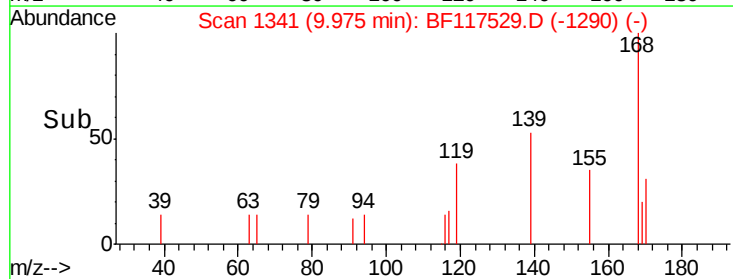
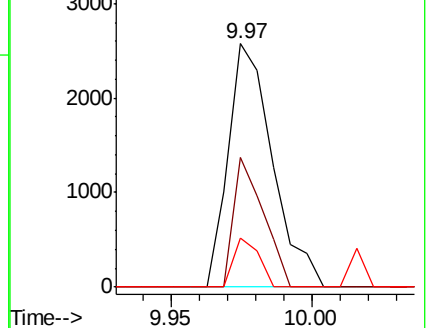
169 20.1 11.2 16.8#

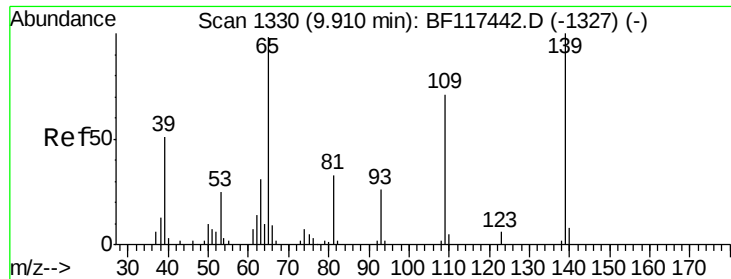


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

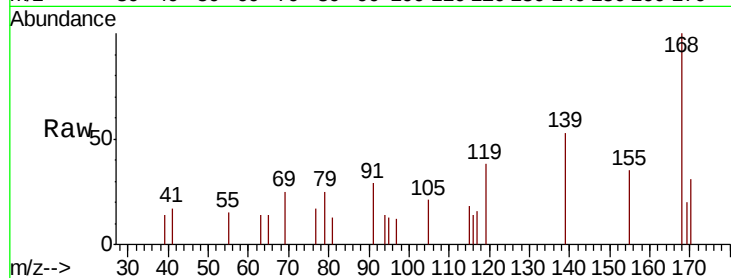




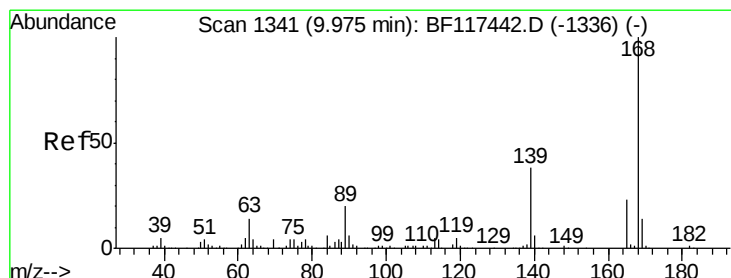
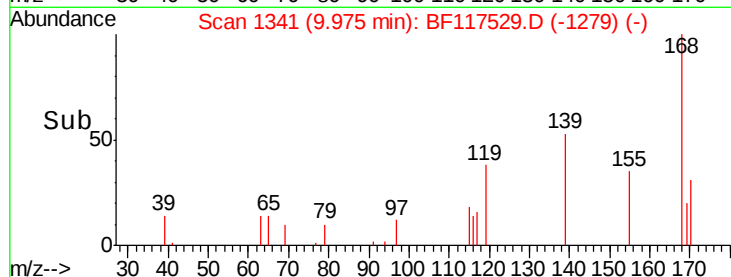
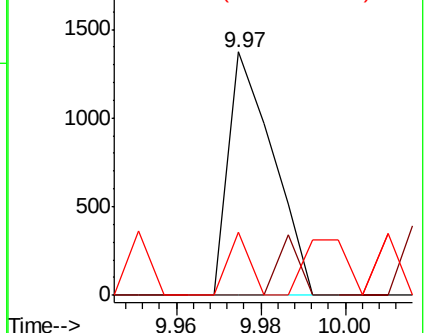
#56
4-Nitrophenol
Concen: 5.039 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion:139 Resp: 1009
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 25.9 79.4 119.4#

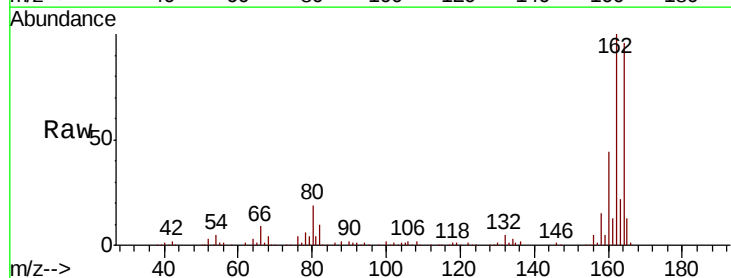


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

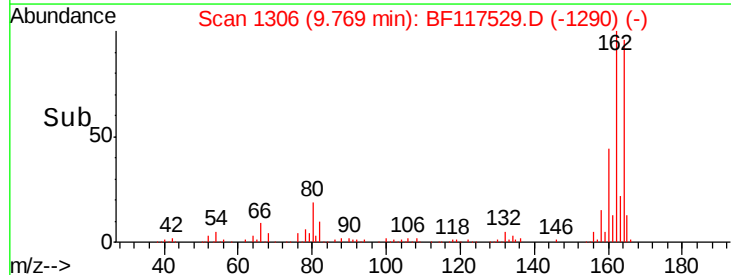
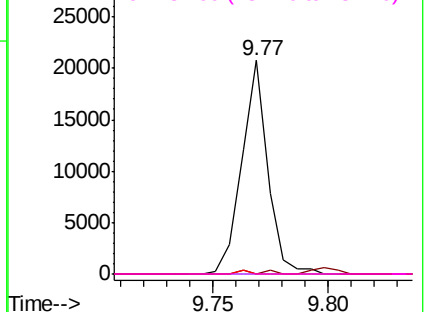


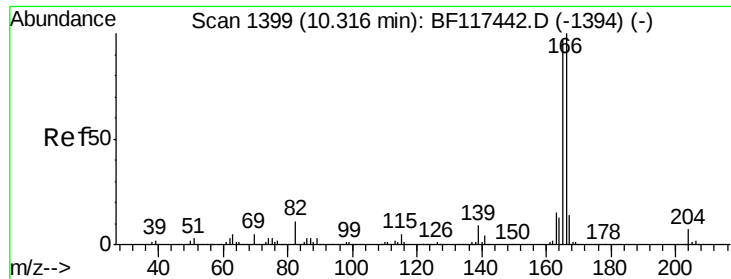
#57
2,4-Dinitrotoluene
Concen: 6.497 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.21 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:165 Resp: 16290
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#



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





#58

Fluorene

Concen: 0.454 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

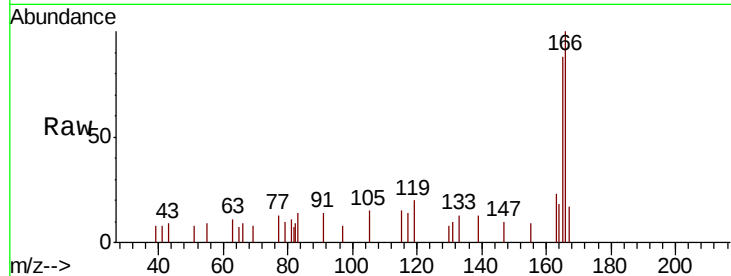
Tot Ion:166 Resp: 3880

Ion Ratio Lower Upper

166 100

165 87.9 77.6 116.4

167 17.3 11.0 16.4#

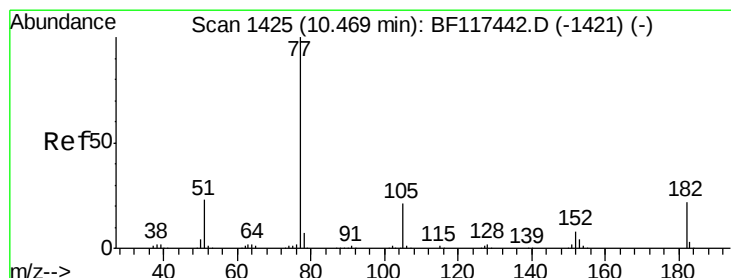
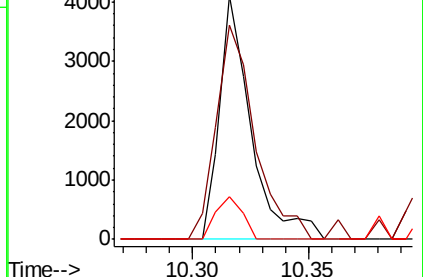
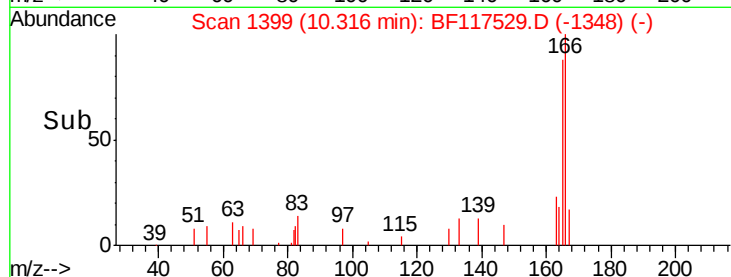


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#63

Azobenzene

Concen: 0.086 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Tgt Ion: 77 Resp: 806

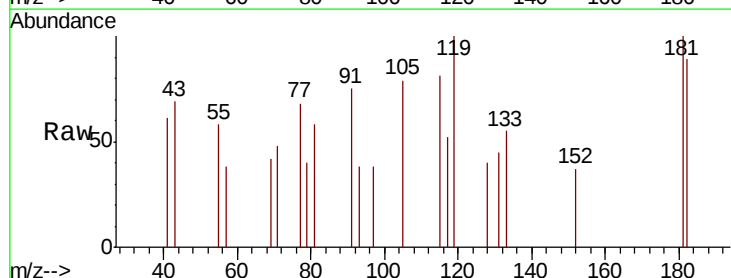
Ion Ratio Lower Upper

77 100

182 131.3 2.3 42.3#

105 115.7 1.3 41.3#

51 0.0 3.5 43.5#



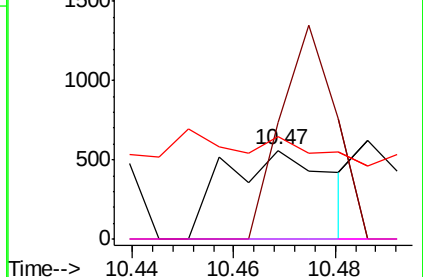
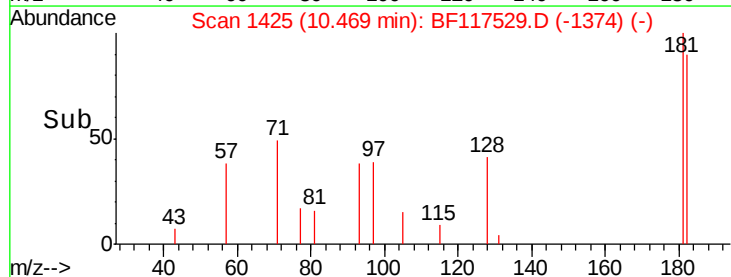
Abundance Ion 77.00 (76.70 to 77.70): BF1

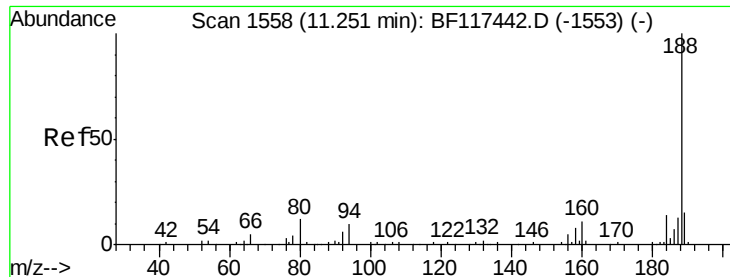
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

Time-->

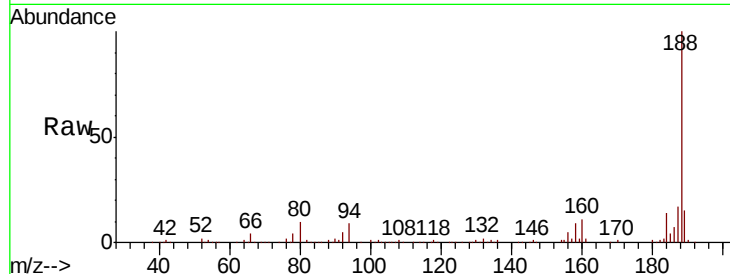




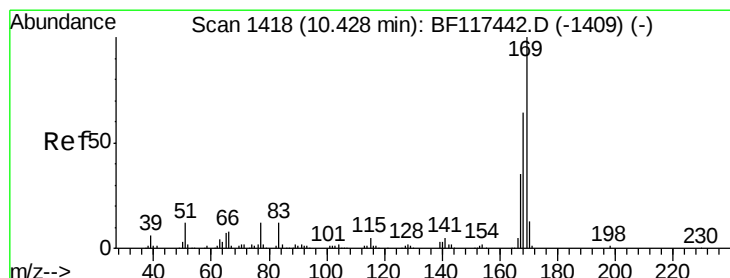
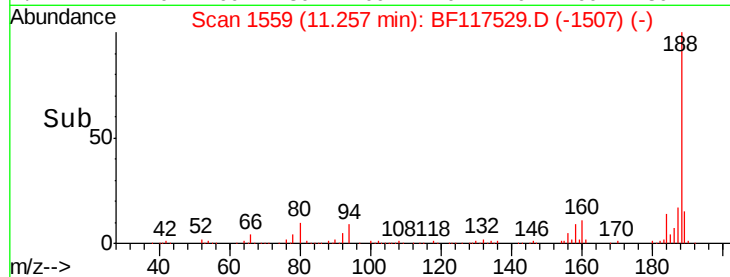
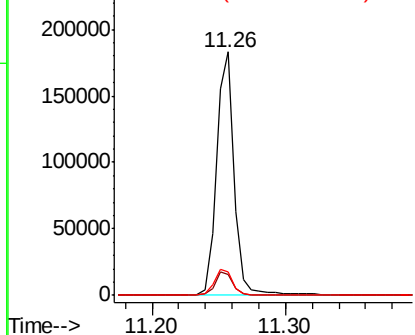
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	9.5	9.5	14.3#

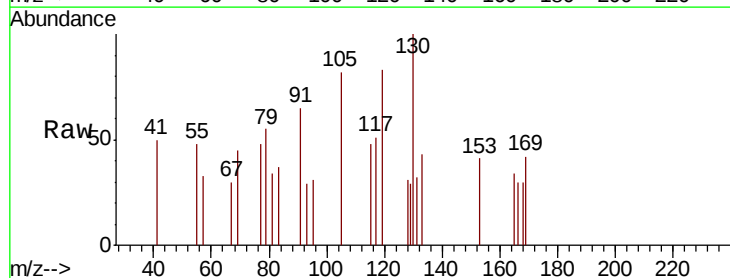


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

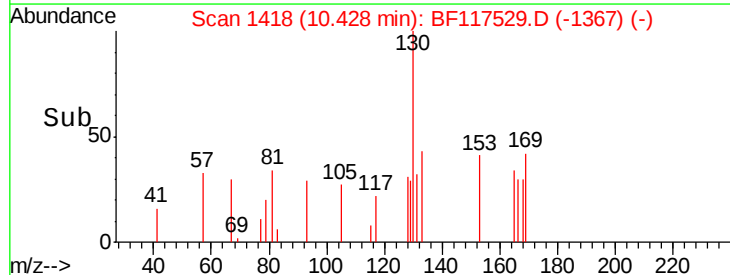
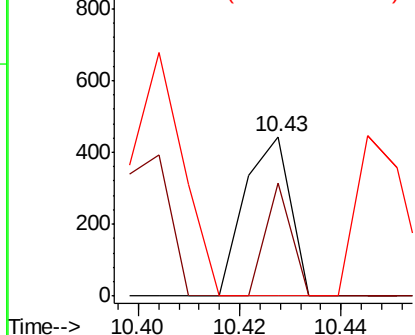


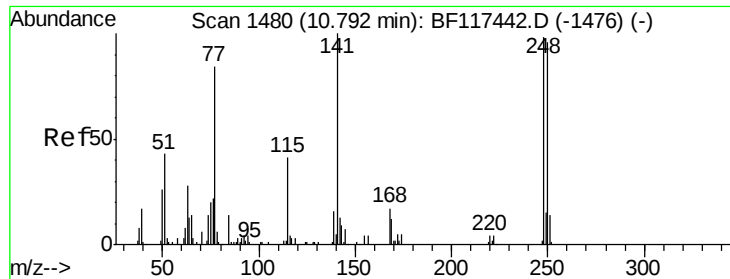
#66
n-Nitrosodiphenylamine
Concen: 0.044 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.1	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: 0.983 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.23 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

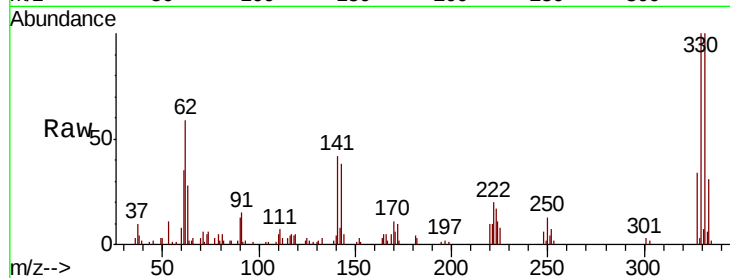
Tot Ion:248 Resp: 1807

Ion Ratio Lower Upper

248 100

250 212.1 78.0 117.0#

141 688.5 81.7 122.5#

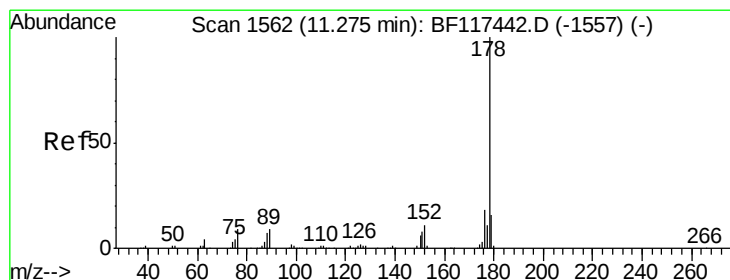
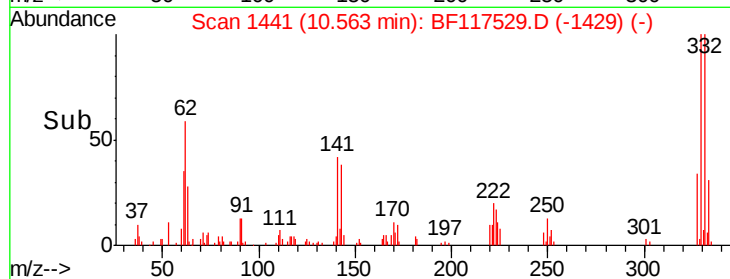
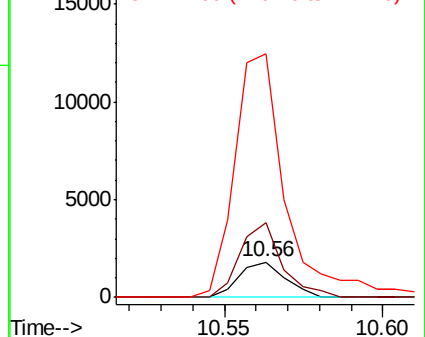


Abundance

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: 4.924 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

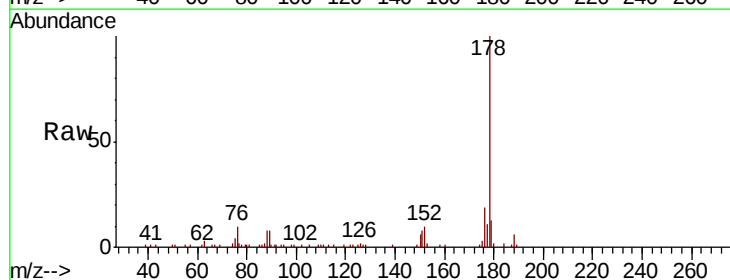
Tgt Ion:178 Resp: 48800

Ion Ratio Lower Upper

178 100

176 19.2 14.6 22.0

179 13.4 12.6 19.0

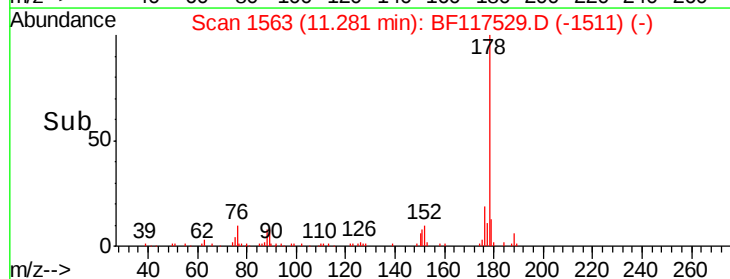
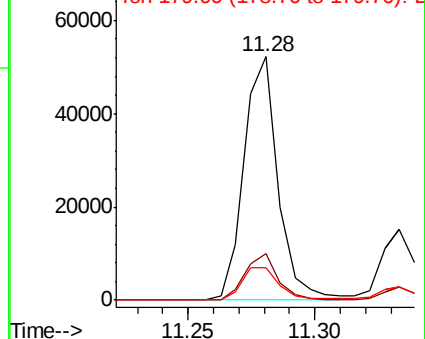


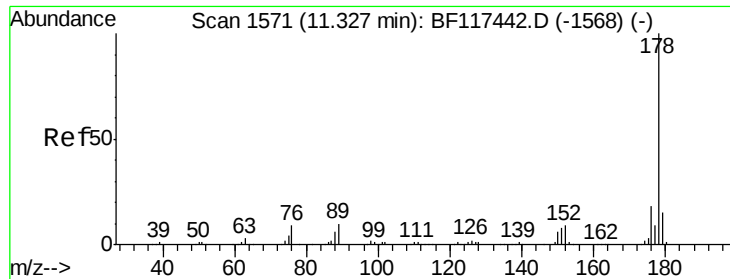
Abundance

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

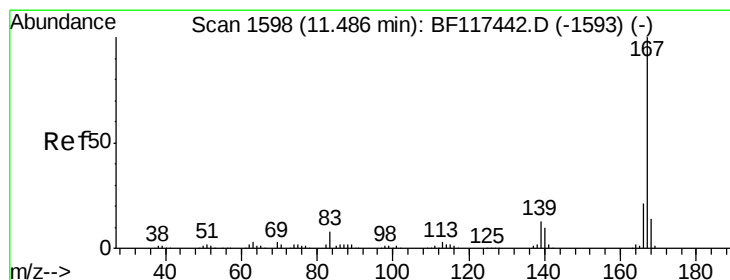
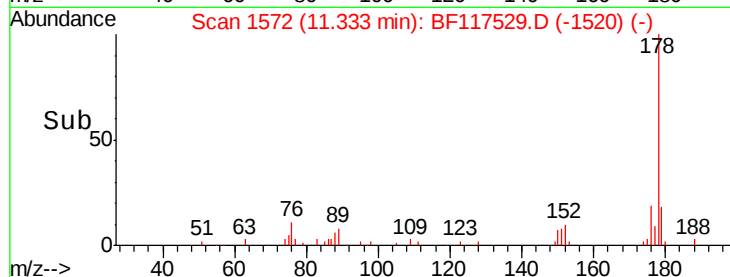
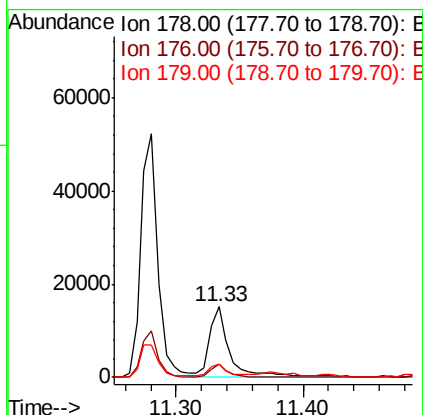
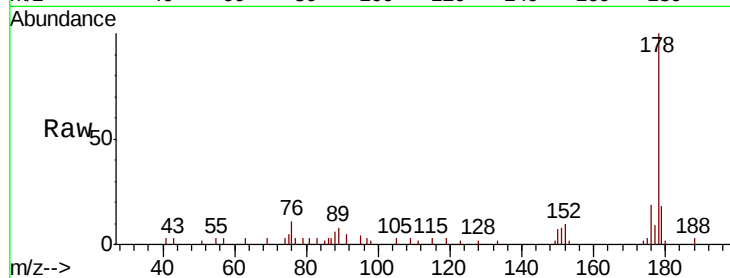




#72
 Anthracene
 Concen: 1.724 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

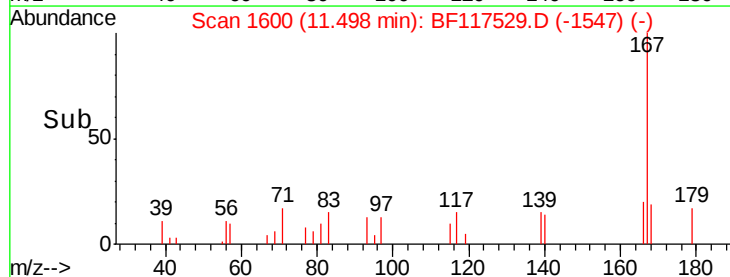
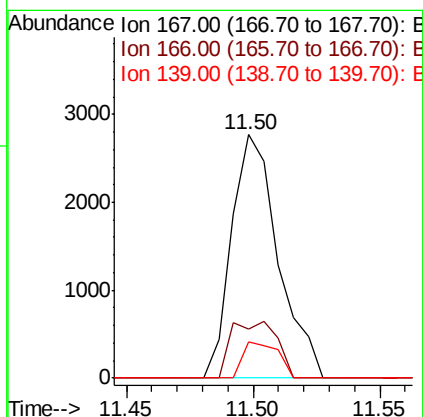
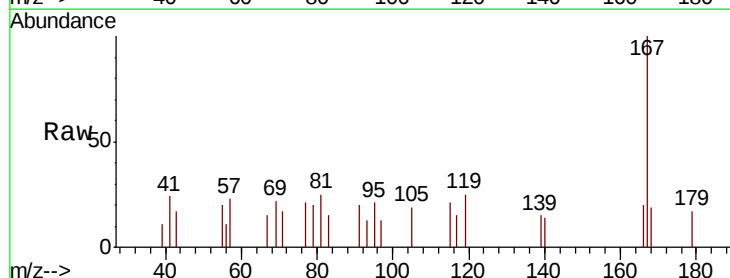
Instrument :
 BNA_F
 ClientSampleId :
 191-94-(0-1)

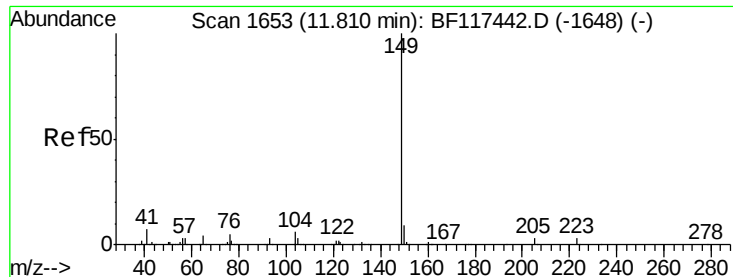
Tot Ion:178 Resp: 17533
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.7 22.1
 179 18.1 12.2 18.2



#73
 Carbazole
 Concen: 0.380 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Tgt Ion:167 Resp: 3529
 Ion Ratio Lower Upper
 167 100
 166 20.0 17.0 25.6
 139 14.7 10.6 16.0

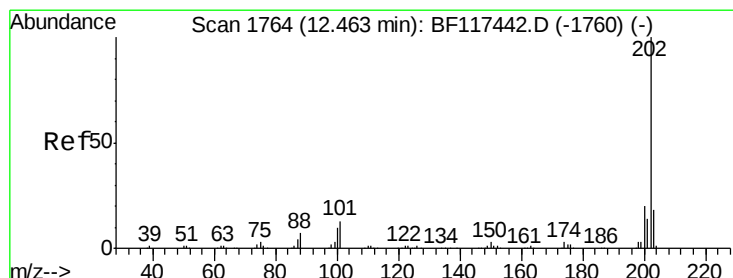
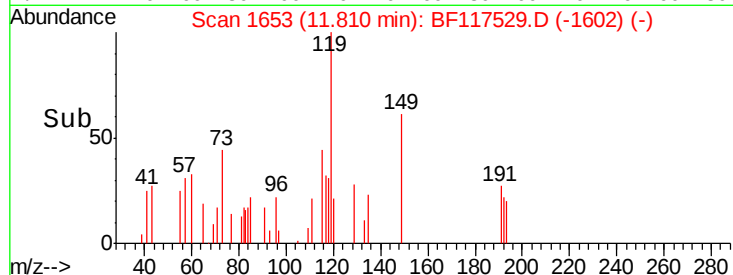
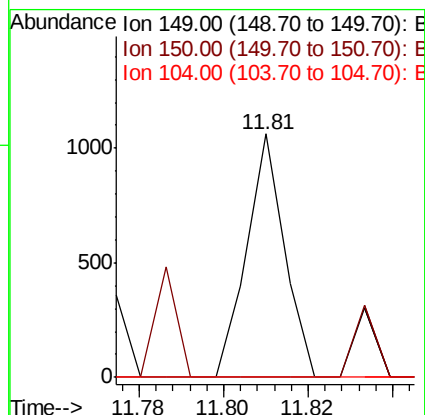
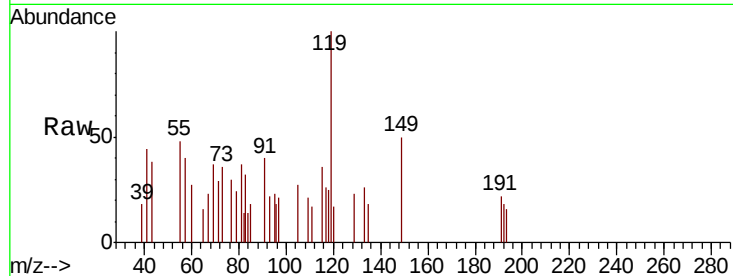




#74
Di-n-butylphthalate
Concen: 0.053 ng
RT: 11.81 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

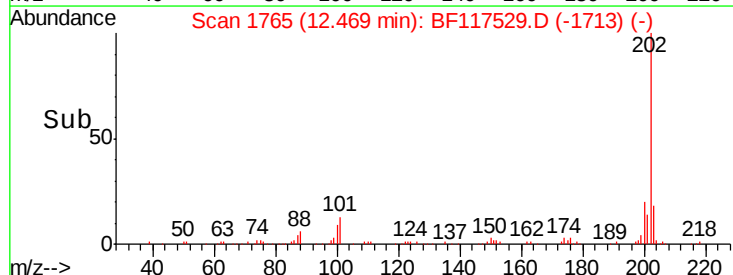
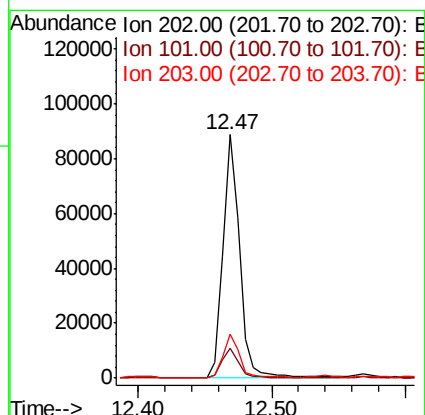
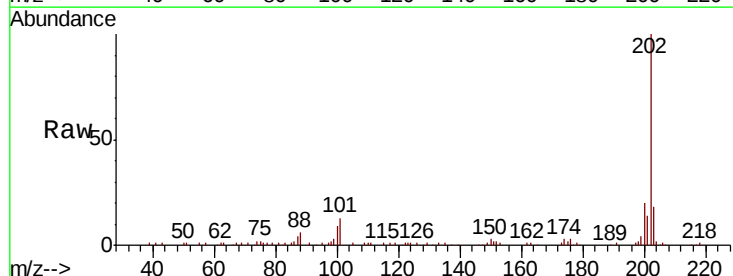
Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

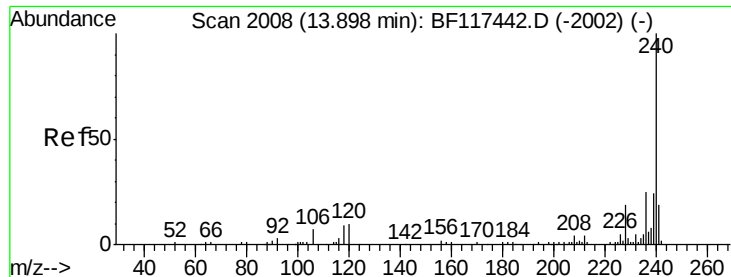
Tot Ion:149 Resp: 658
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 4.6 6.8#



#75
Fluoranthene
Concen: 8.043 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:202 Resp: 79802
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.7
203 17.8 0.0 37.6

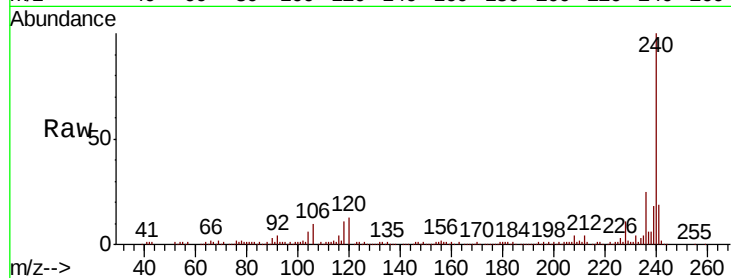




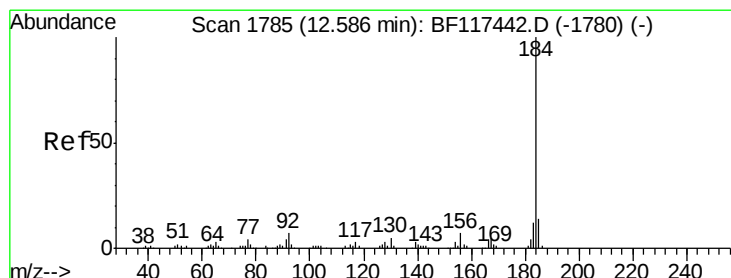
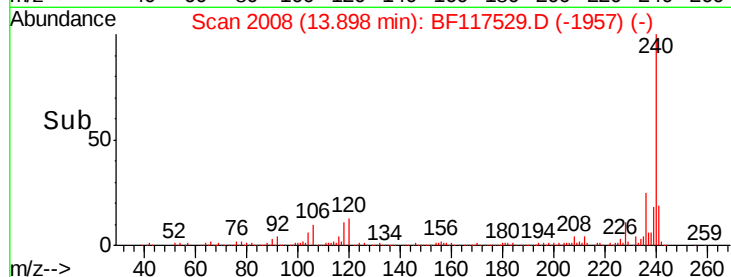
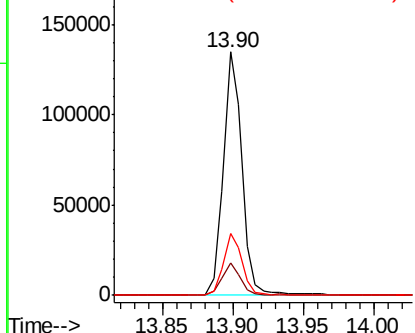
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion:240 Resp: 123591
Ion Ratio Lower Upper
240 100
120 13.4 8.4 12.6#
236 25.2 20.0 30.0

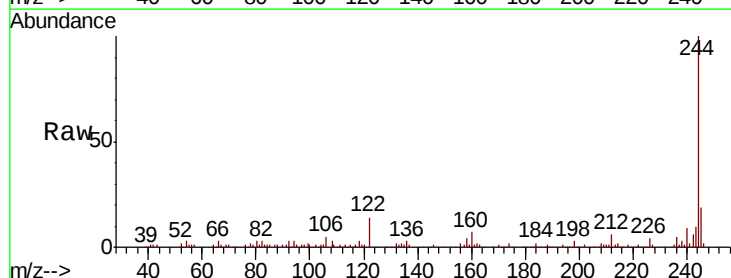


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

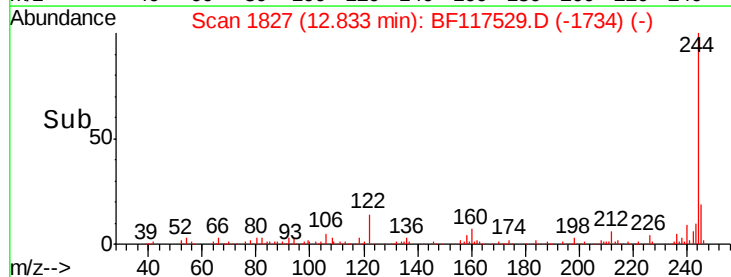
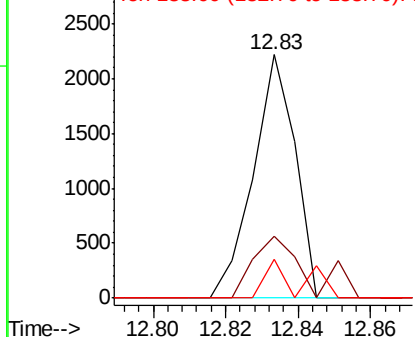


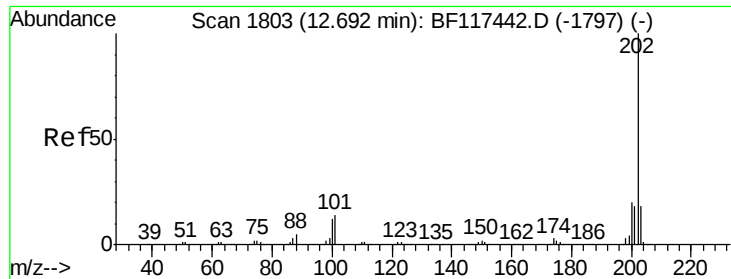
#77
Benzidine
Concen: Below Cal
RT: 12.83 min Scan# 1827
Delta R.T. 0.25 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:184 Resp: 1787
Ion Ratio Lower Upper
184 100
185 25.2 11.4 17.0#
183 15.9 9.6 14.4#



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





#78

Pvrene

Concen: 7.130 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampled :

191-94-(0-1)

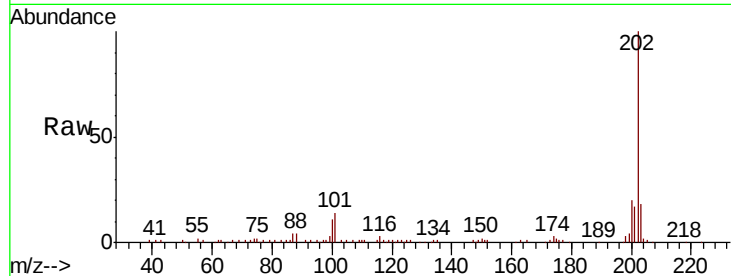
Tot Ion:202 Resp: 75691

Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

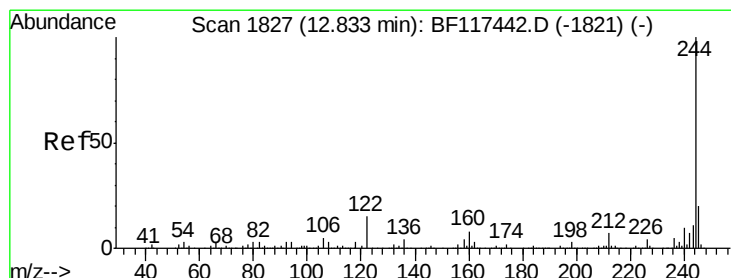
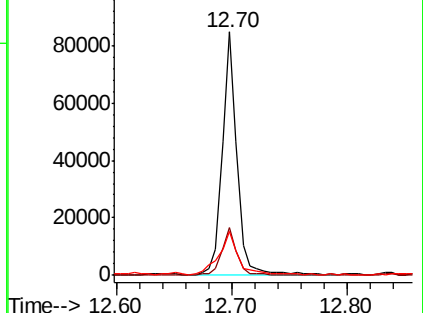
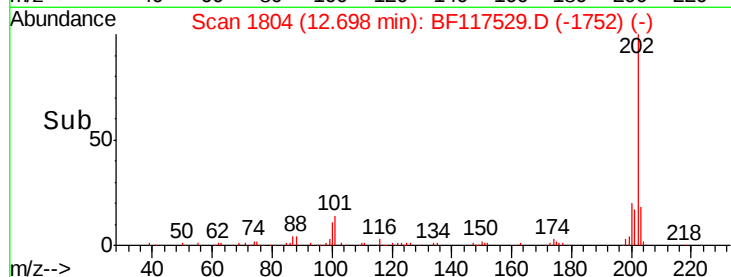
203 18.1 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 16.307 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

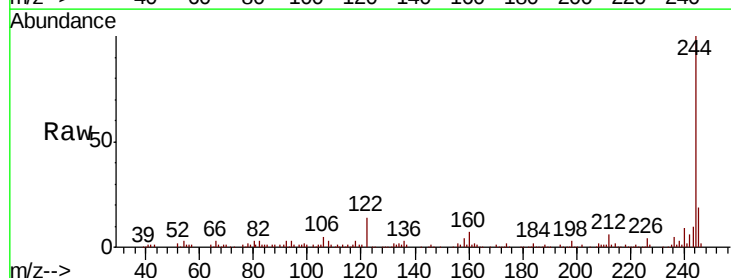
Tgt Ion:244 Resp: 123559

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.6

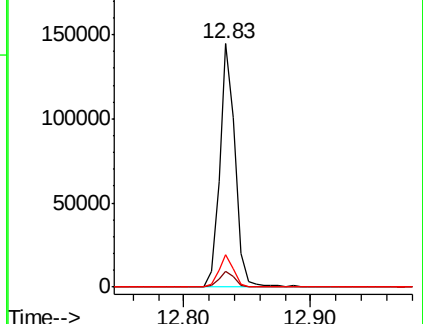
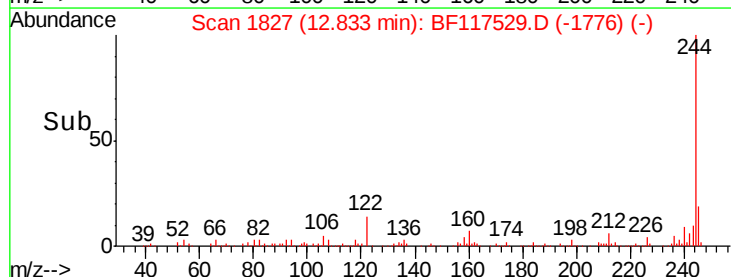
122 13.5 11.8 17.8

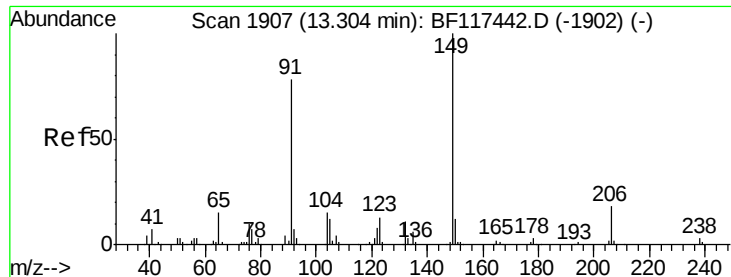


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

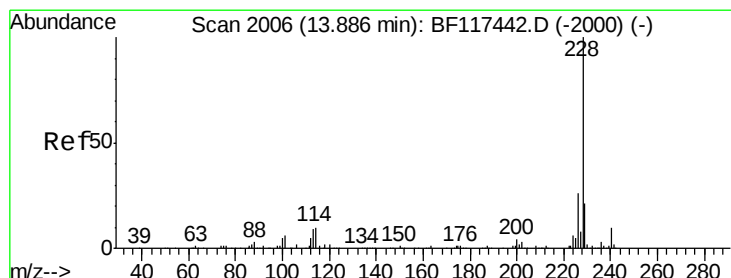
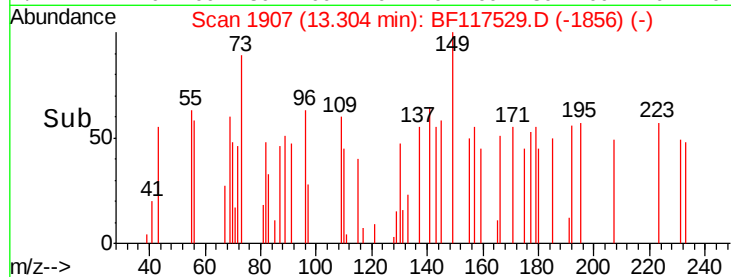
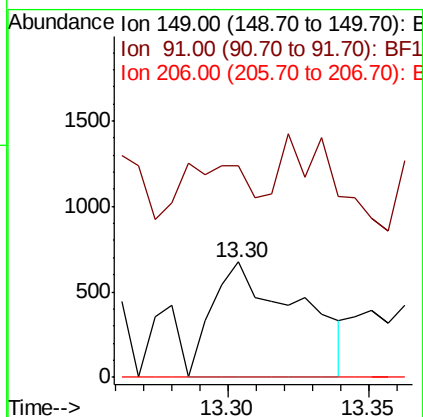
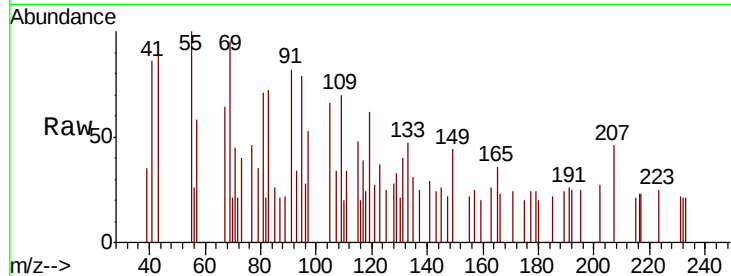




#80
Butylbenzylphthalate
Concen: 0.270 ng
RT: 13.30 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

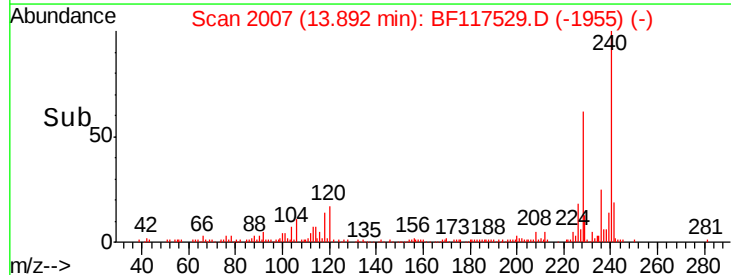
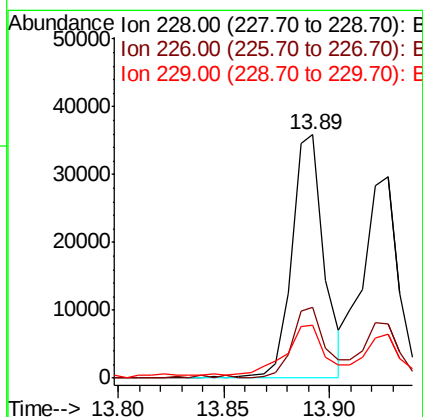
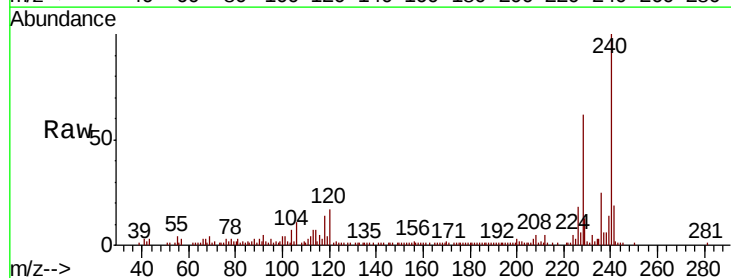
Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

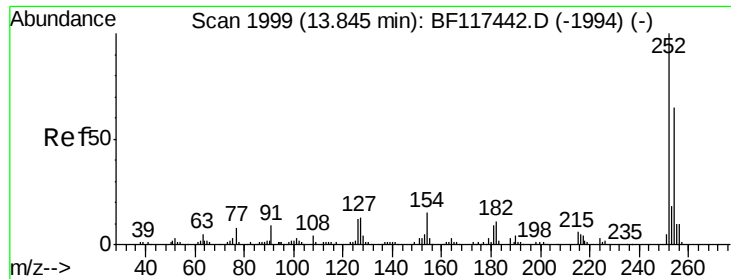
Tot Ion:149 Resp: 1427
Ion Ratio Lower Upper
149 100
91 184.1 62.1 93.1#
206 0.0 14.3 21.5#



#81
Benzo(a)anthracene
Concen: 4.568 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:228 Resp: 38086
Ion Ratio Lower Upper
228 100
226 29.1 21.0 31.4
229 21.5 16.4 24.6

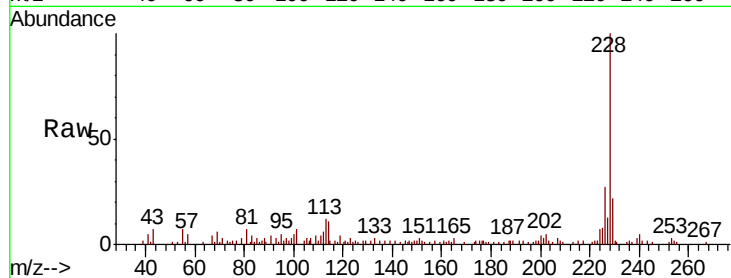




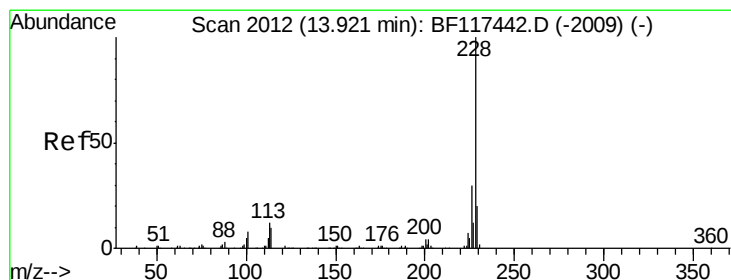
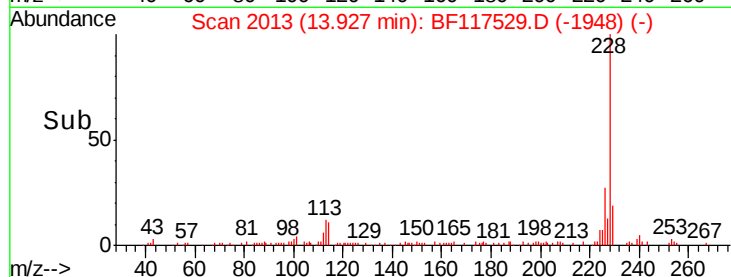
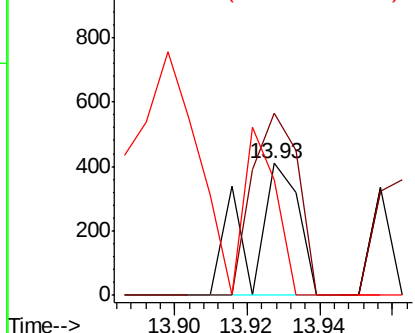
#82
 3,3'-Dichlorobenzidine
 Concen: 0.144 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.08 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Instrument :
 BNA_F
 ClientSampled :
 191-94-(0-1)

Tot Ion:252 Resp: 376
 Ion Ratio Lower Upper
 252 100
 254 138.4 52.2 78.4#
 126 87.3 9.2 13.8#

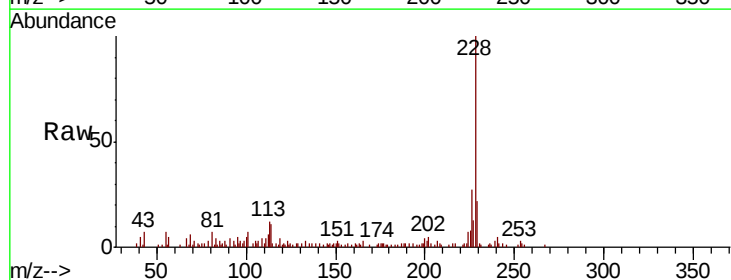


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

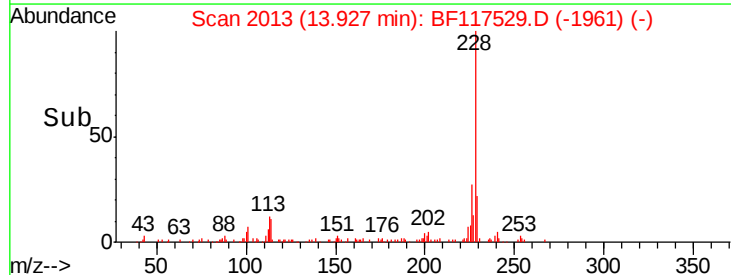
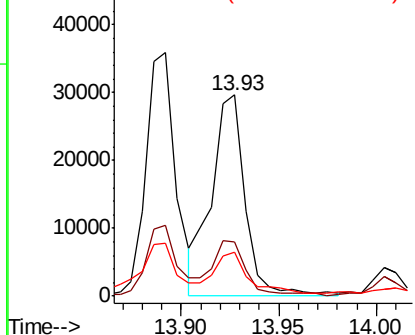


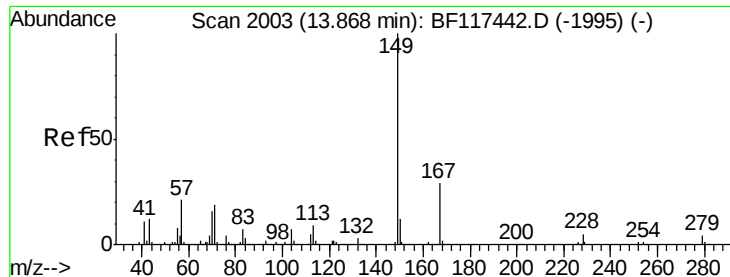
#83
 Chrysene
 Concen: 4.398 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Tgt Ion:228 Resp: 35936
 Ion Ratio Lower Upper
 228 100
 226 26.7 23.9 35.9
 229 21.6 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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.452 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

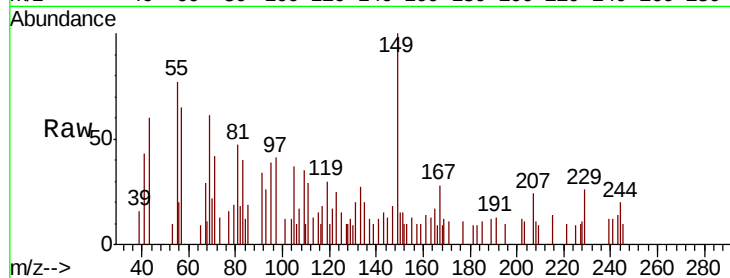
Tot Ion:149 Resp: 3342

Ion Ratio Lower Upper

149 100

167 28.5 23.3 34.9

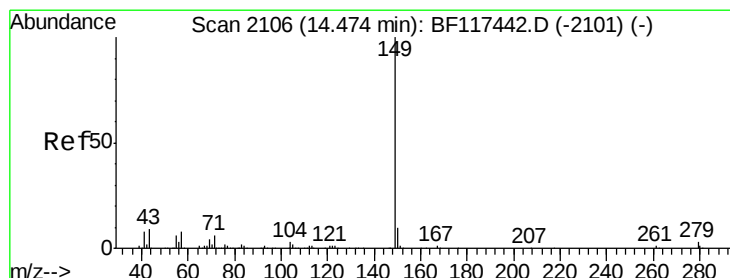
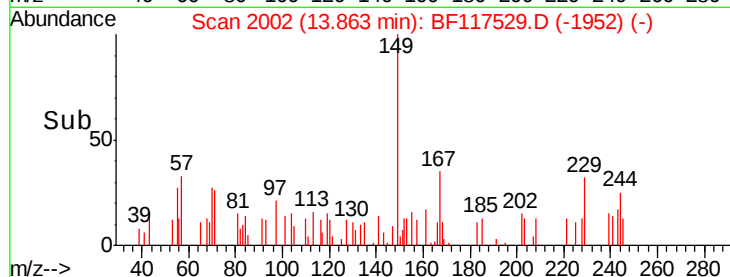
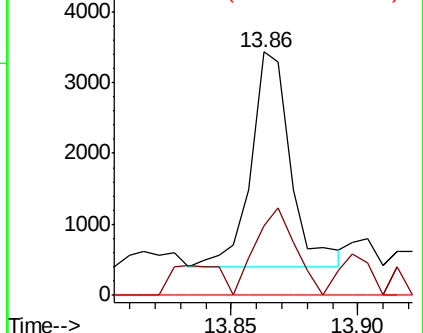
279 0.0 3.2 4.8#



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: 0.067 ng

RT: 14.49 min Scan# 2108

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

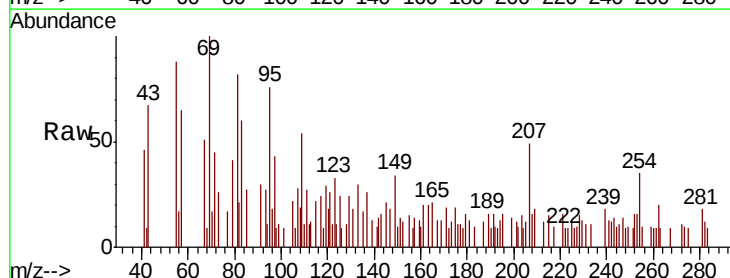
Tgt Ion:149 Resp: 764

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

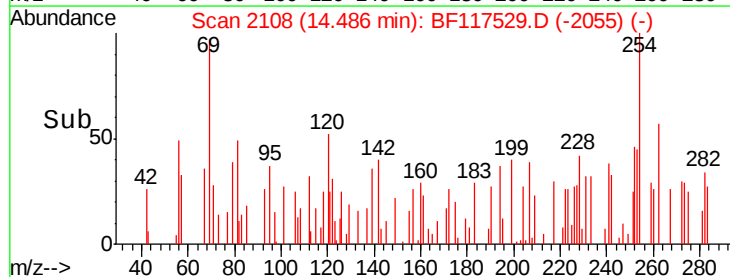
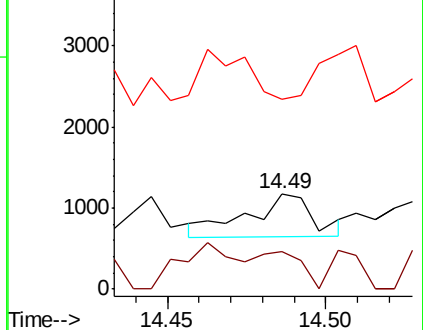
43 0.0 6.8 10.2#

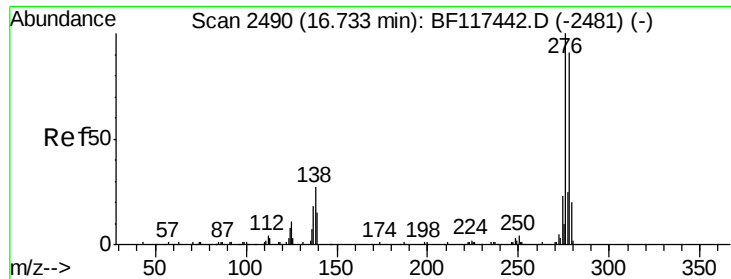


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

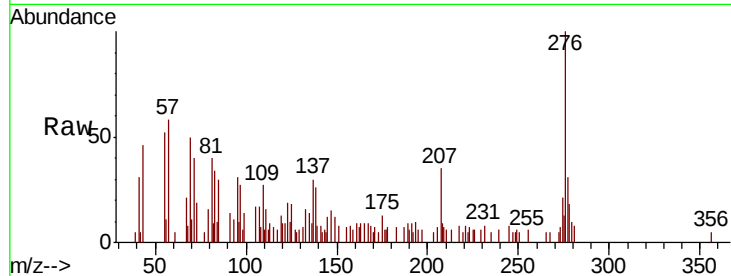




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.290 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.8	32.8
277	31.5	20.0	30.0

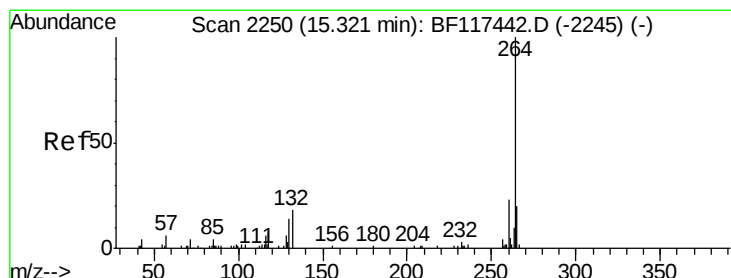
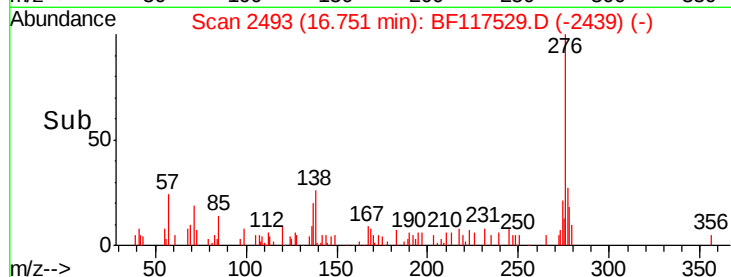
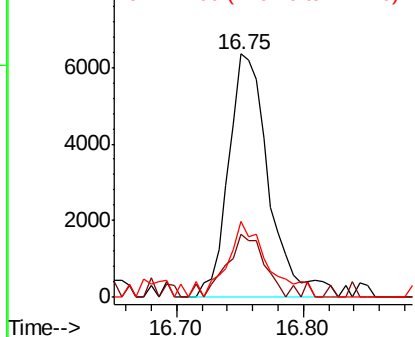


Abundance

Ion 276.00 (275.70 to 276.70): E

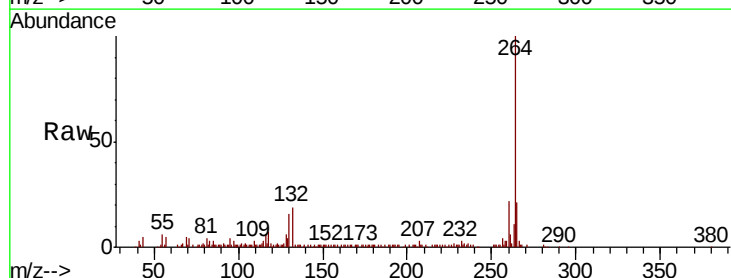
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	21.0	16.1	24.1

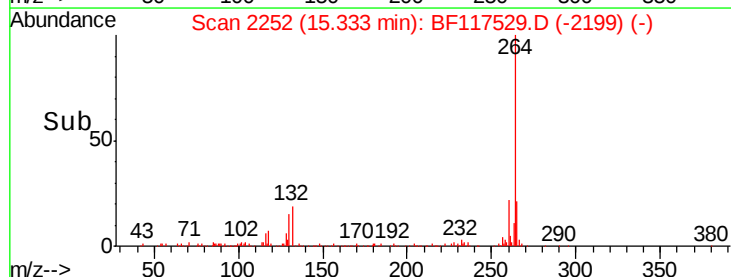
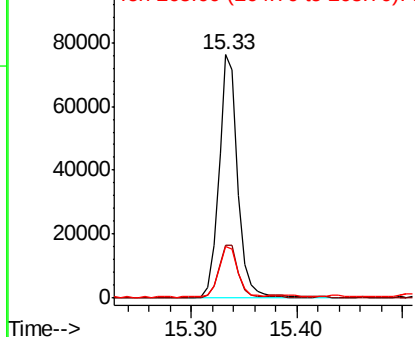


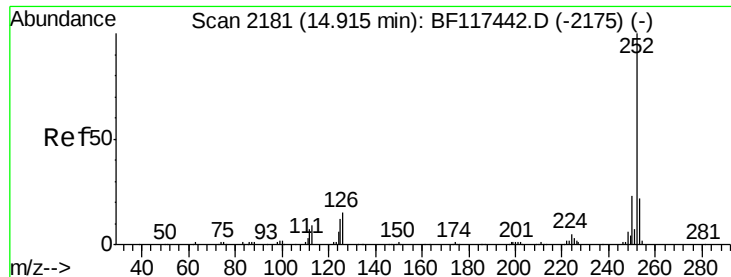
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

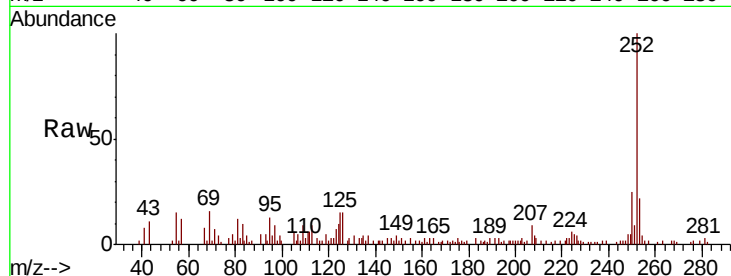




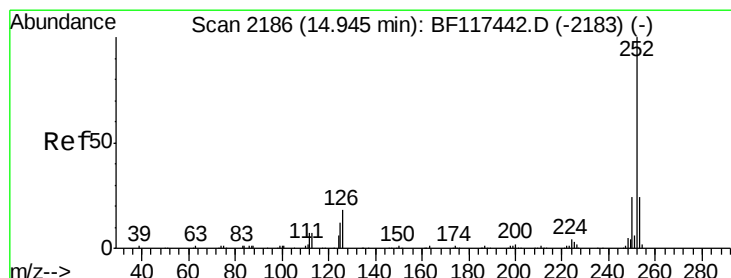
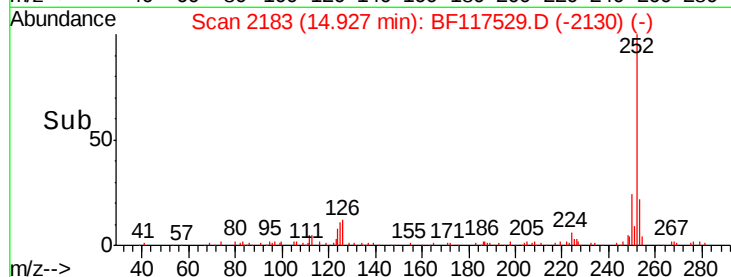
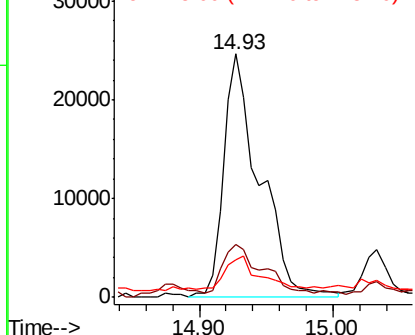
#88
Benzo(b)fluoranthene
Concen: 8.218 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion:252 Resp: 46248
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 15.4 9.9 14.9#

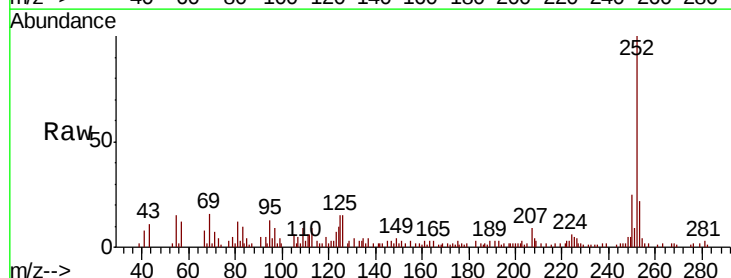


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

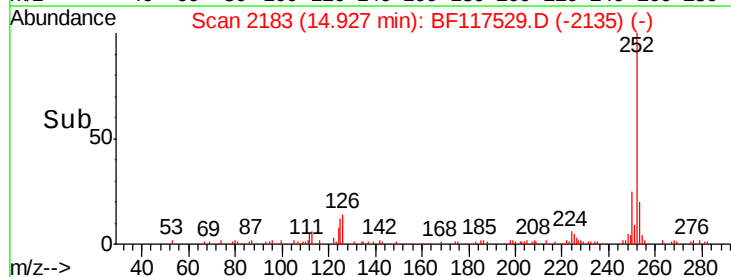
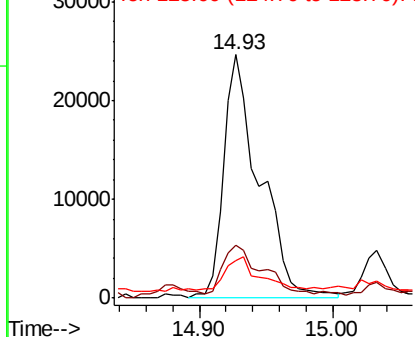


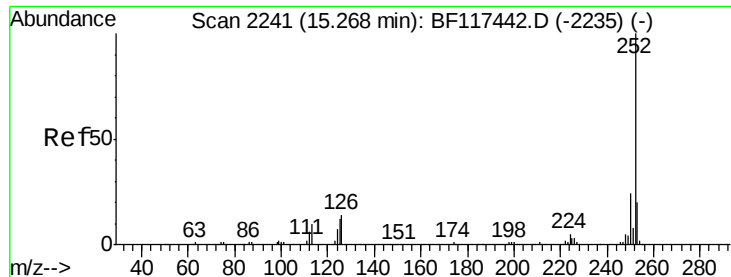
#89
Benzo(k)fluoranthene
Concen: 8.018 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:252 Resp: 46248
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 15.4 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

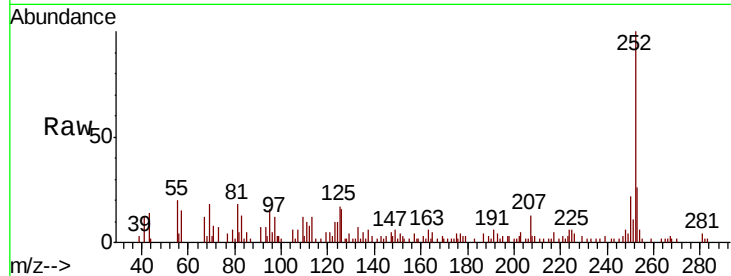




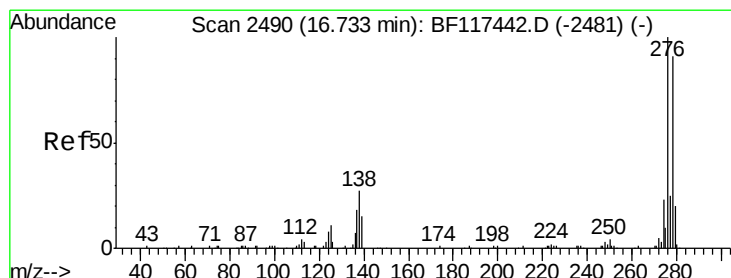
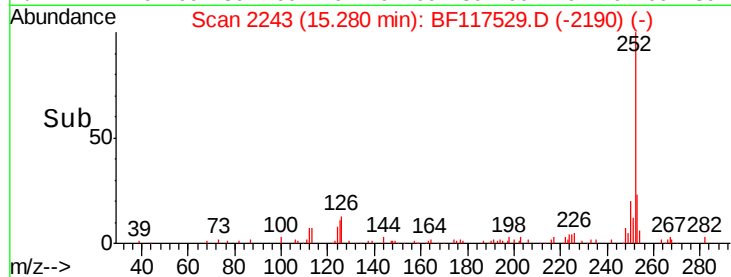
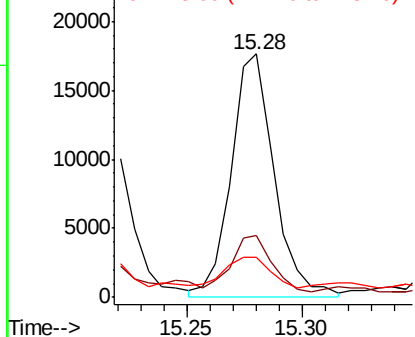
#90
Benzo(a)pyrene
Concen: 4.474 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion:252 Resp: 22889
Ion Ratio Lower Upper
252 100
253 25.6 16.3 24.5#
125 16.6 9.2 13.8#

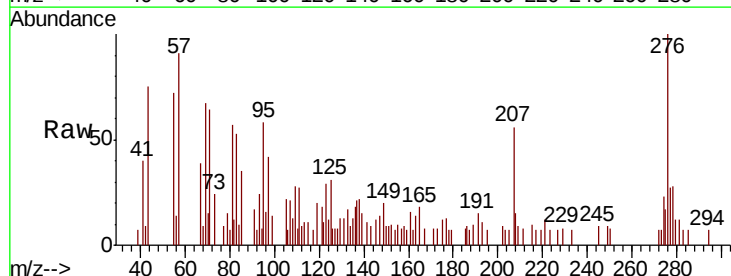


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

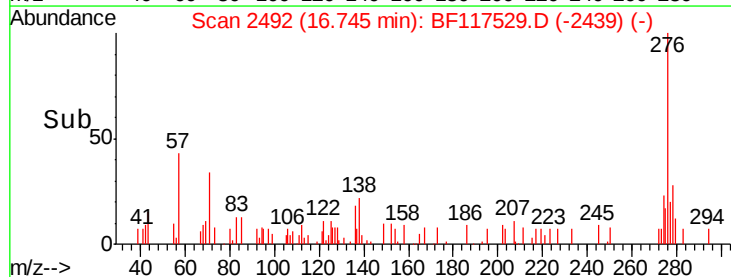
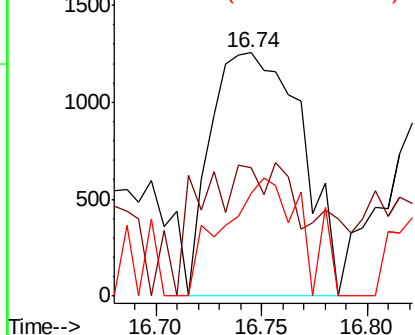


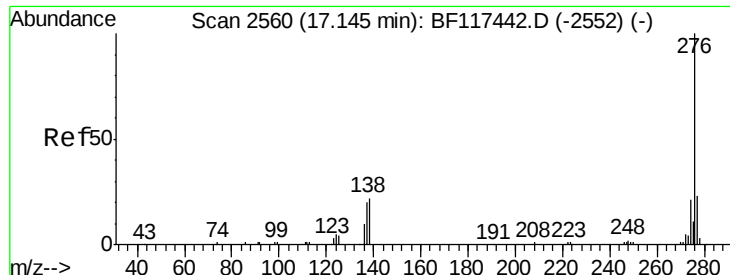
#91
Dibenzo(a,h)anthracene
Concen: 0.845 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion:278 Resp: 3740
Ion Ratio Lower Upper
278 100
139 52.7 13.4 20.0#
279 42.0 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: 2.965 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.04 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

ClientSampleId :

191-94-(0-1)

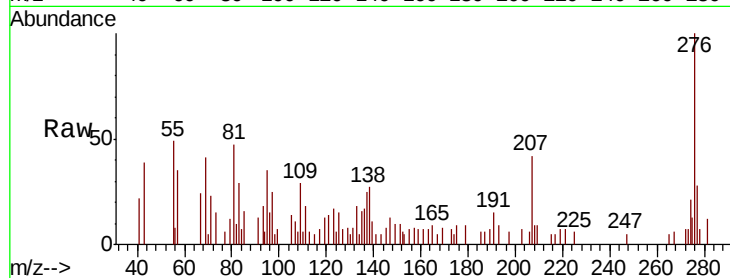
Tot Ion:276 Resp: 12412

Ion Ratio Lower Upper

276 100

277 28.5 18.4 27.6#

138 26.6 17.8 26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

