

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118541.D
 Acq On : 13 Jan 2020 20:09
 Operator : JU
 Sample : L1106-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 14 10:28:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	70895	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	248773	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	126275	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	236961	20.00	ng	-0.03
76) Chrysene-d12	14.00	240	116899	20.00	ng	-0.04
87) Perylene-d12	15.48	264	208942	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	348837	81.22	ng	-0.01
7) Phenol-d6	6.46	99	369351	71.93	ng	-0.02
23) Nitrobenzene-d5	7.38	82	282952	59.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	145606	97.72	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	450676	51.19	ng	-0.03
79) Terphenyl-d14	12.94	244	386461	52.39	ng	-0.03

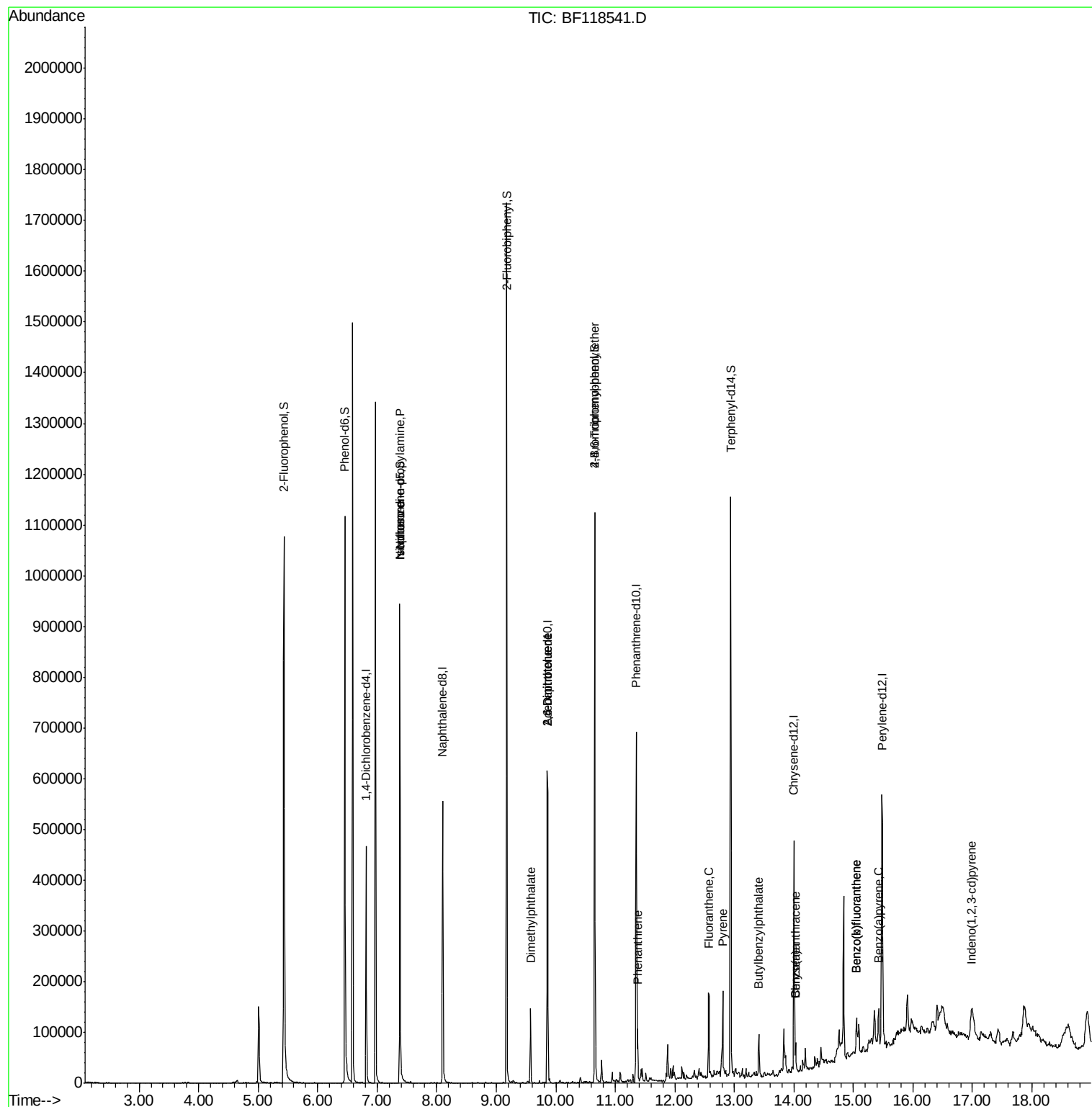
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.38	70	37750	11.415	ng	# 79
25) Isophorone	7.38	82	282950	37.296	ng	# 63
50) Dimethylphthalate	9.57	163	51950	5.360	ng	99
51) 2,6-Dinitrotoluene	9.86	165	16380	7.848	ng	# 24
57) 2,4-Dinitrotoluene	9.86	165	16380	5.861	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	8986	3.238	ng	# 1
71) Phenanthrene	11.38	178	44848	3.379	ng	97
75) Fluoranthene	12.57	202	68209	5.056	ng	96
77) Benzidine	12.94	184	5917	Below Cal		# 93
78) Pyrene	12.80	202	67086	6.975	ng	98
80) Butylbenzylphthalate	13.41	149	12601	2.861	ng	92
81) Benzo(a)anthracene	14.03	228	20945	2.560	ng	94
83) Chrysene	14.03	228	20945	2.634	ng	99
86) Indeno(1,2,3-cd)pyrene	16.98	276	22350	3.491	ng	92
88) Benzo(b)fluoranthene	15.05	252	47201	3.125	ng	96
89) Benzo(k)fluoranthene	15.05	252	47201	3.274	ng	95
90) Benzo(a)pyrene	15.42	252	30299	2.448	ng	93

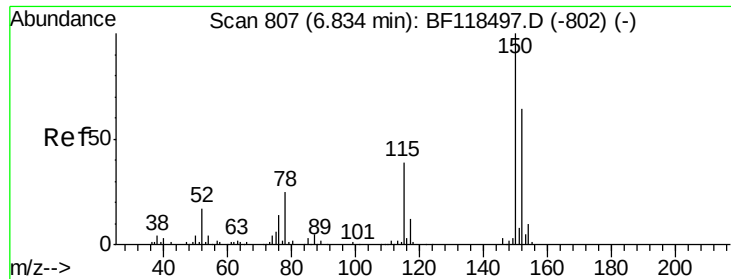
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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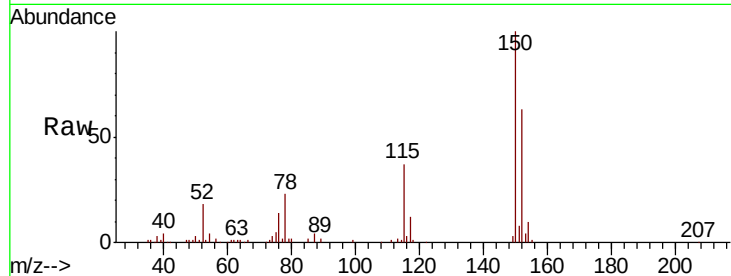


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.7	187.1
115	58.2	49.0	73.6

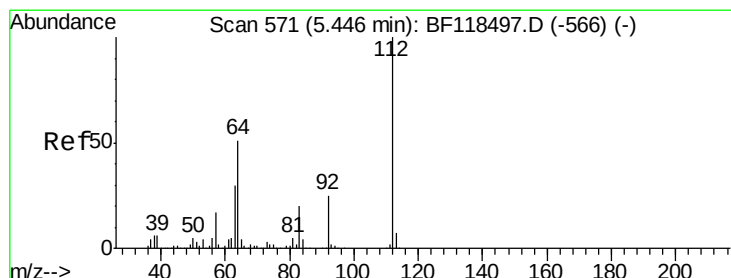
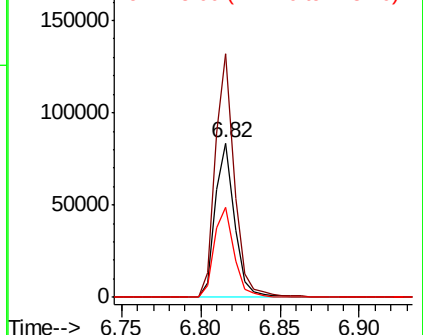
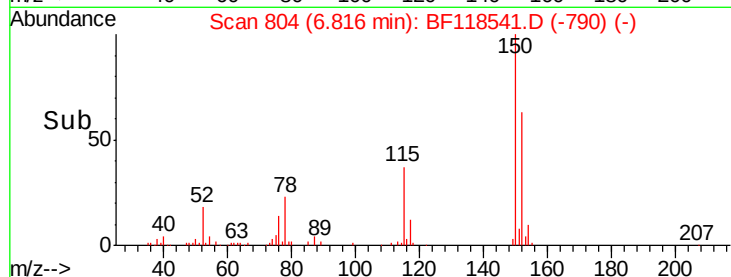


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

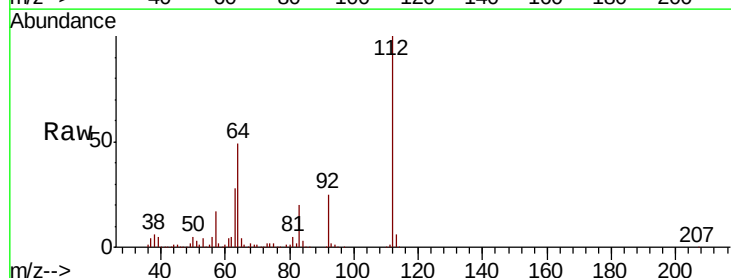
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.225 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.1	41.1	61.7
63	28.0	24.1	36.1

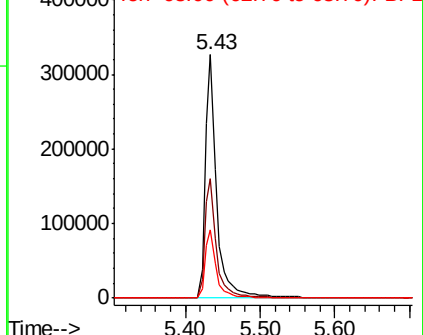
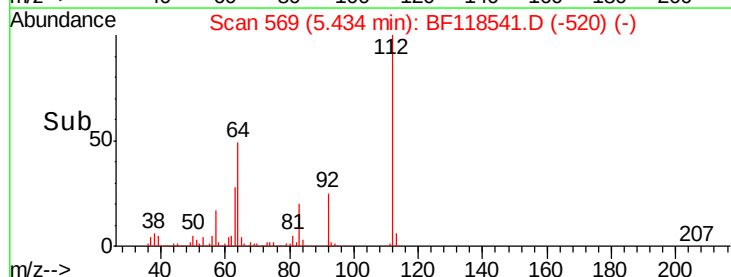


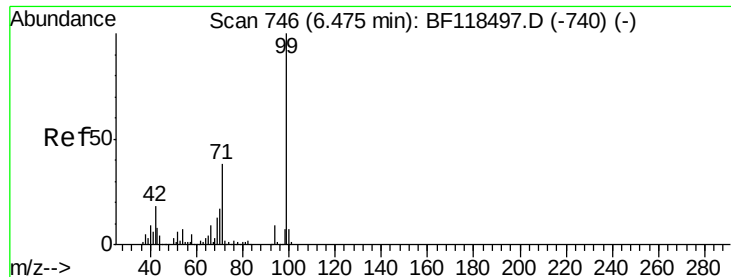
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 71.934 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

Instrument :

BNA_F

ClientSampled :

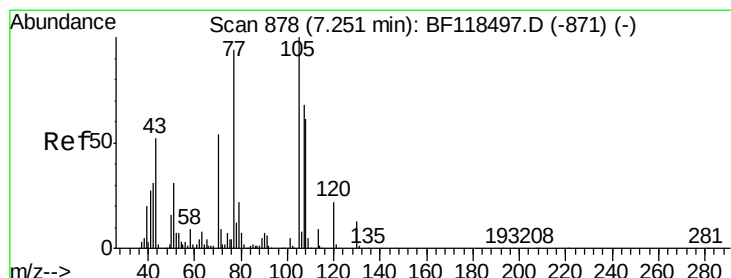
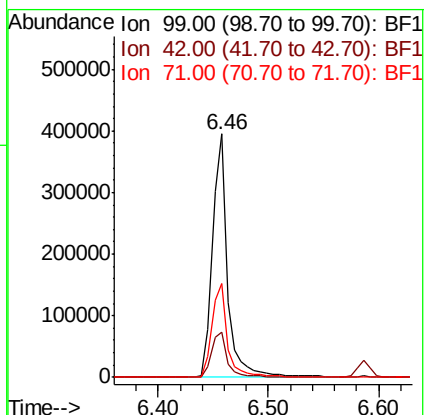
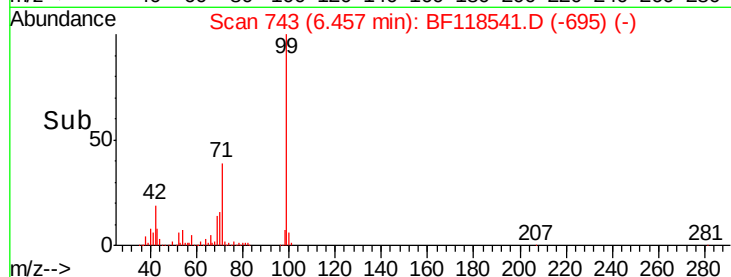
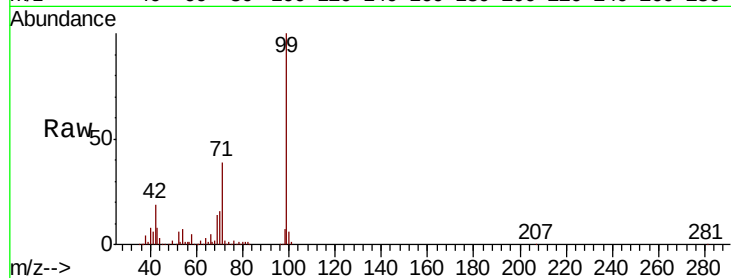
Tot Ion: 99 Resp: 369351

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

71 38.6 30.6 45.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.415 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

Tgt Ion: 70 Resp: 37750

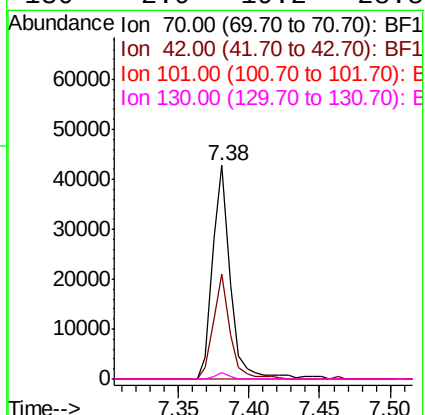
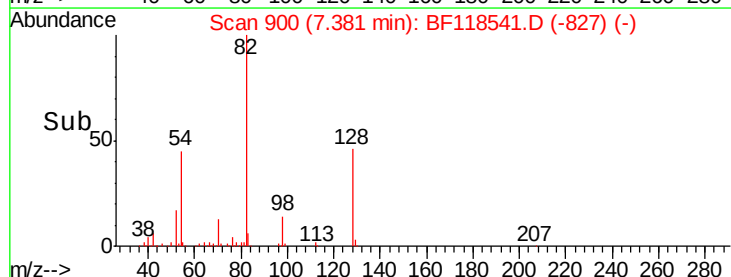
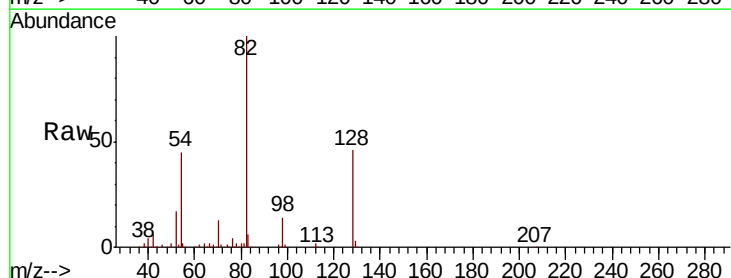
Ion Ratio Lower Upper

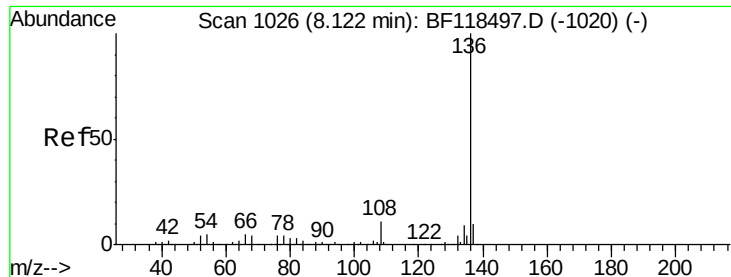
70 100

42 49.1 45.6 68.4

101 0.0 8.2 12.2#

130 2.9 19.2 28.8#

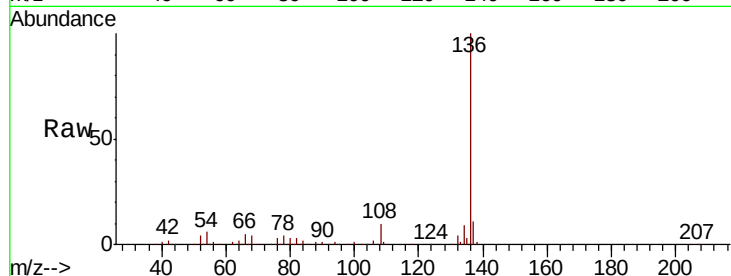




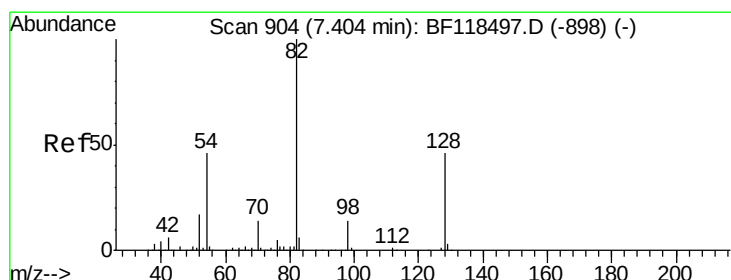
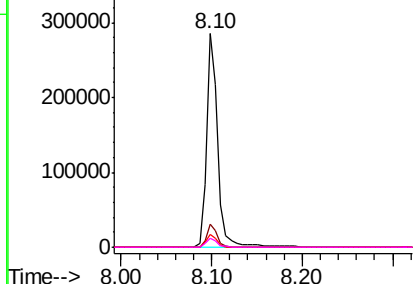
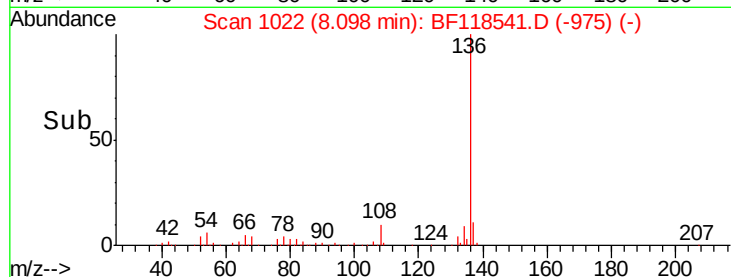
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	248773
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.3	12.5
54 5.9	4.2	6.2
68 4.0	3.3	4.9

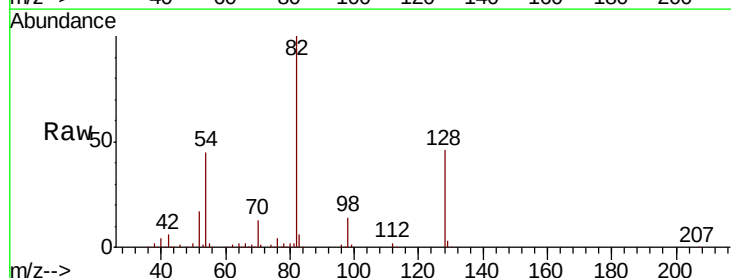


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

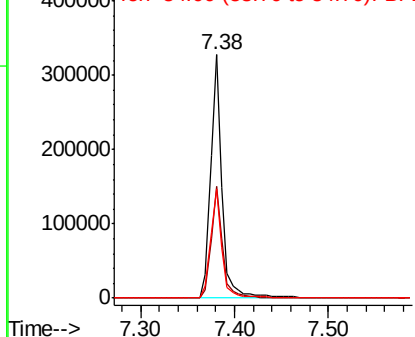
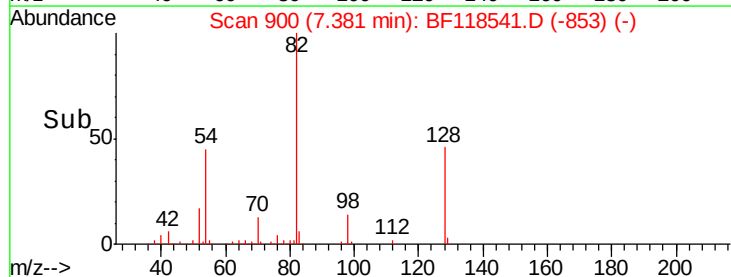


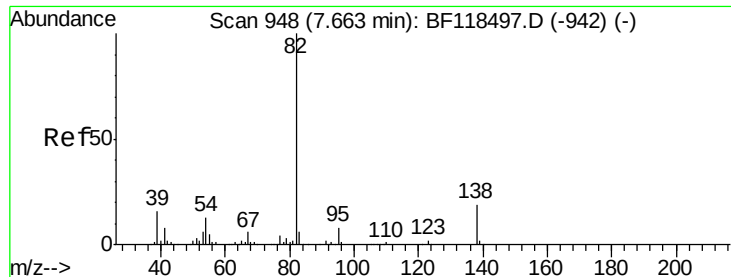
#23
Nitrobenzene-d5
Concen: 59.749 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion	82	Resp: Lower	282952 Upper
	Ratio 100		
128	45.8	36.6	54.8
54	45.0	37.0	55.6



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





#25

Isophorone

Concen: 37.296 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

Instrument :

BNA_F

ClientSampled :

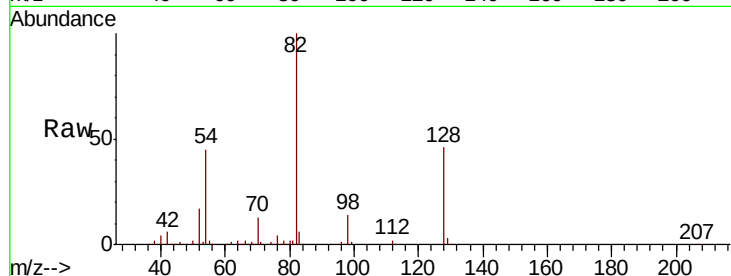
Tot Ion: 82 Resp: 282950

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

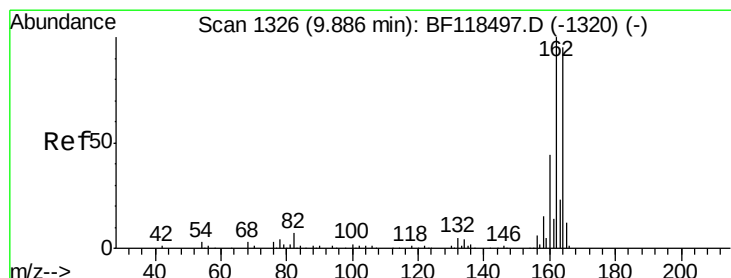
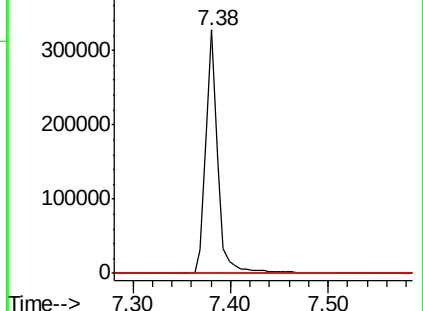
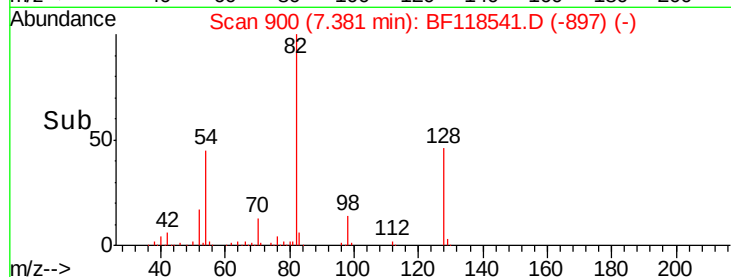
138 0.0 15.4 23.2#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

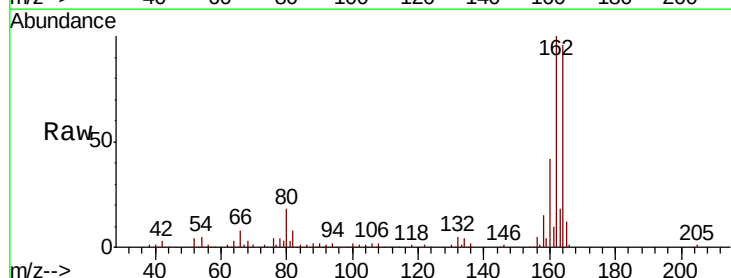
Tgt Ion: 164 Resp: 126275

Ion Ratio Lower Upper

164 100

162 104.5 84.2 126.4

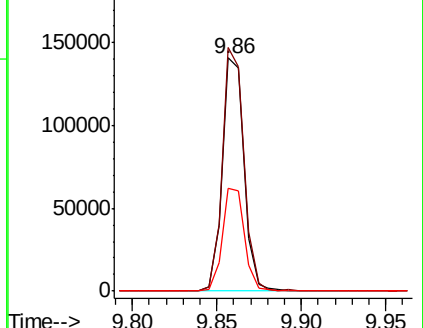
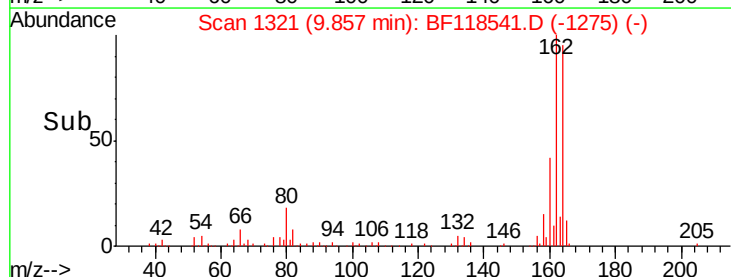
160 44.1 36.8 55.2

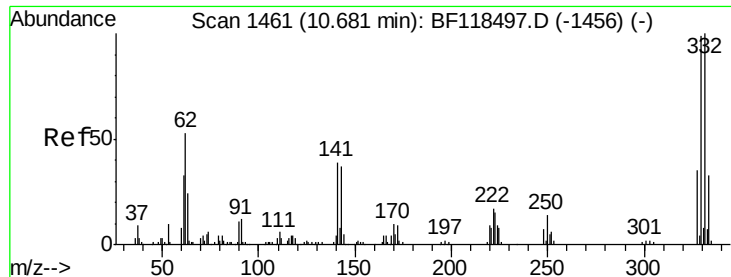


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

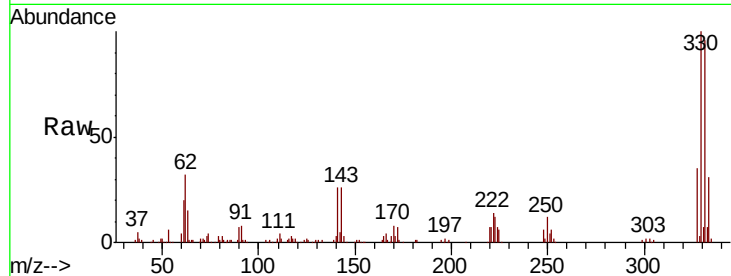




#42
 2,4,6-Tribromophenol
 Concen: 97.721 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF118541.D
 Acq: 13 Jan 2020 20:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.9	116.9
141	32.6	28.6	43.0

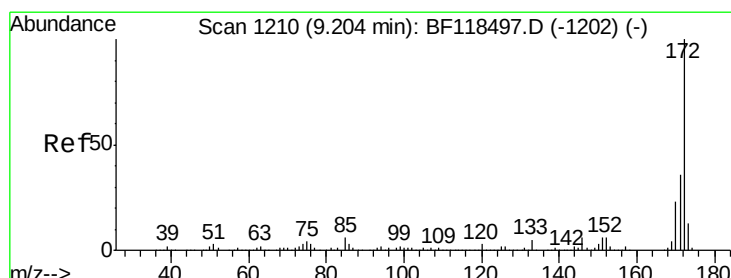
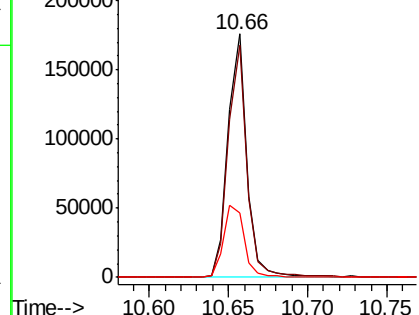
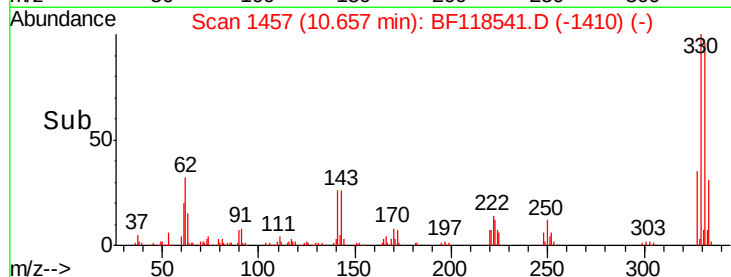


Abundance

Ion 329.80 (329.50 to 330.50): E

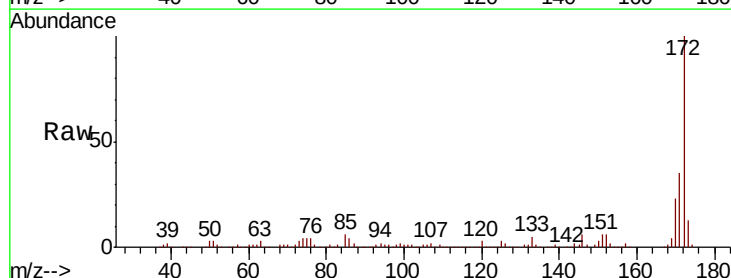
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 51.187 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF118541.D
 Acq: 13 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.3	18.6	27.8

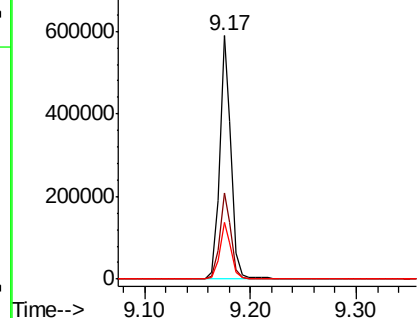
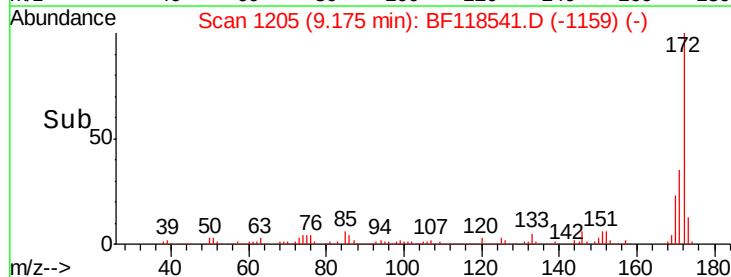


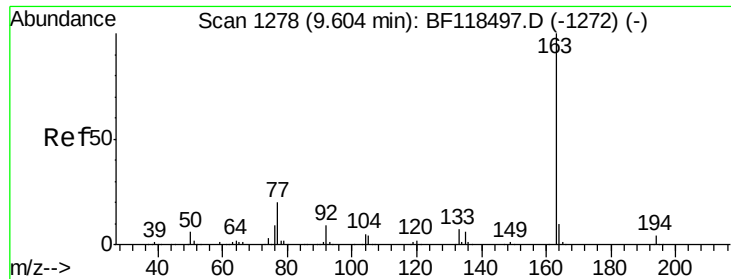
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

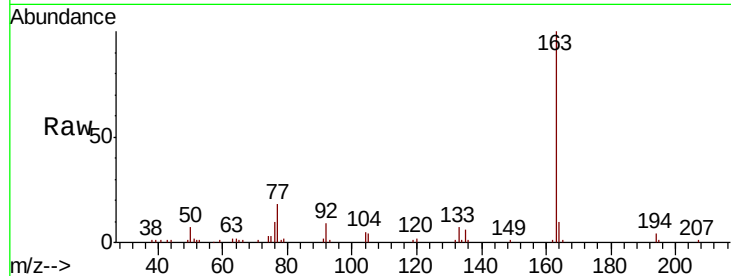




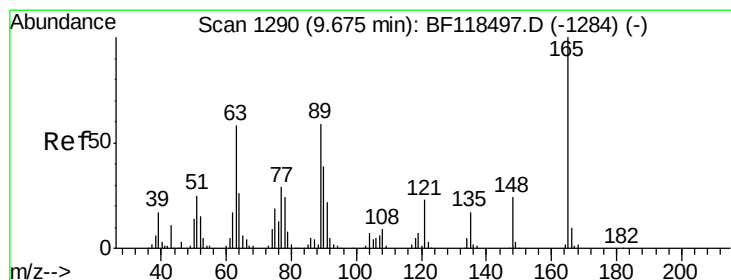
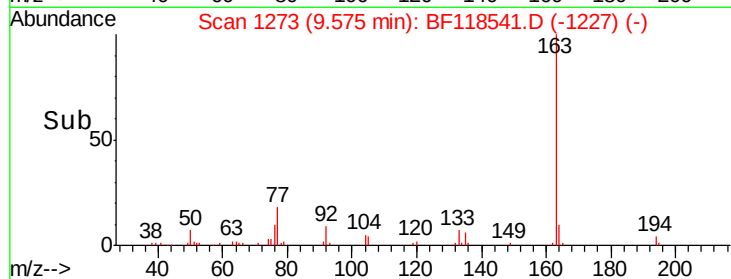
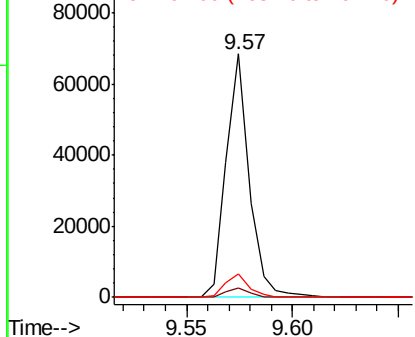
#50
Dimethylphthalate
Concen: 5.360 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.1	3.0	4.6	
164	9.8	8.1	12.1	

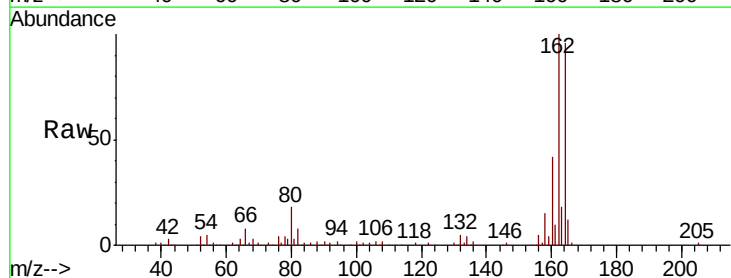


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

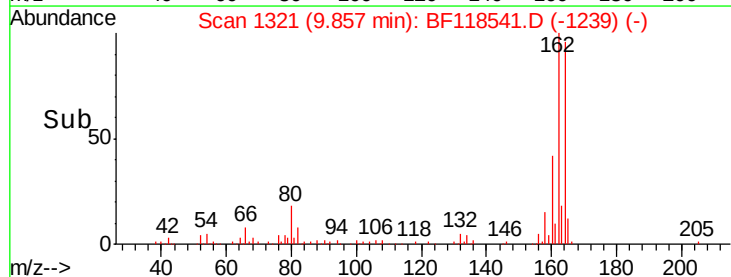
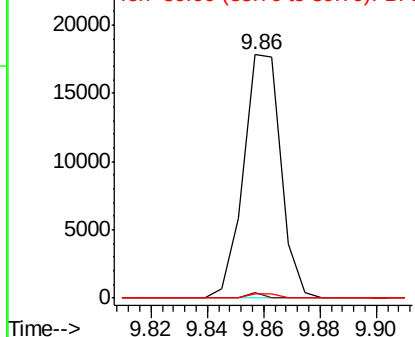


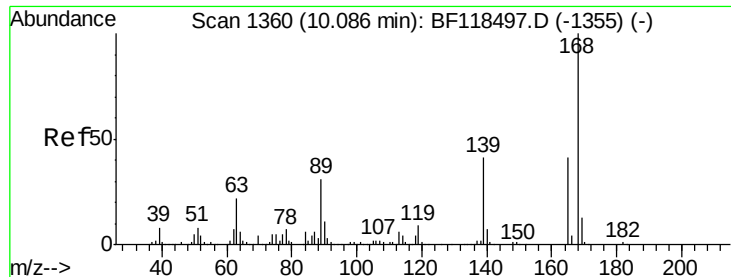
#51
2,6-Dinitrotoluene
Concen: 7.848 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.18 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	2.0	46.6	70.0#	
89	1.9	47.5	71.3#	



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





#57

2,4-Dinitrotoluene

Concen: 5.861 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.23 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 16380

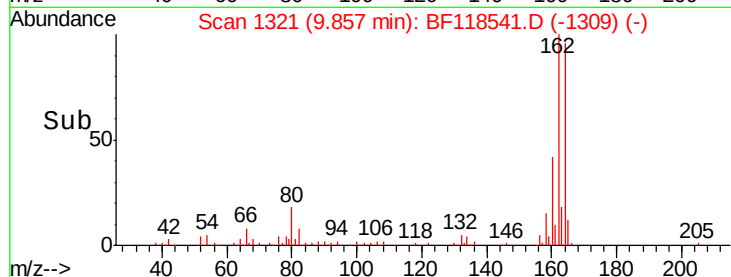
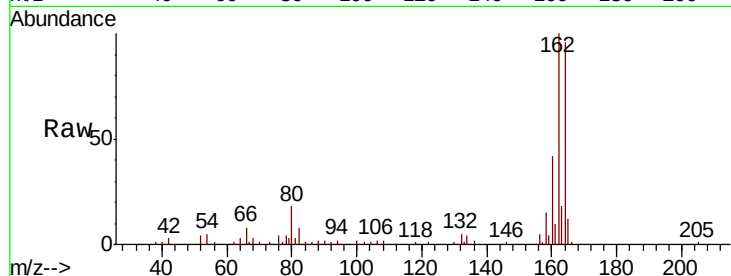
Ion Ratio Lower Upper

165 100

63 2.0 44.1 66.1#

89 1.9 60.4 90.6#

182 0.0 2.0 3.0#

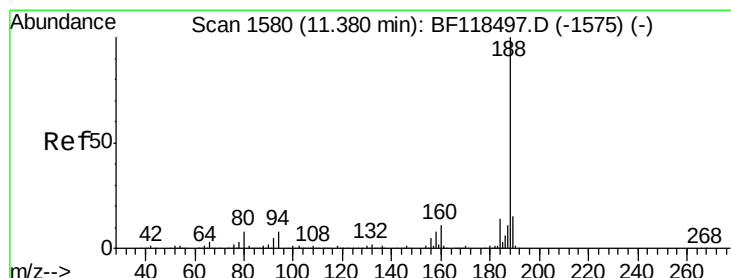
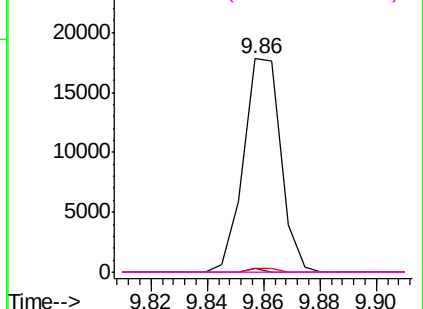


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.03 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

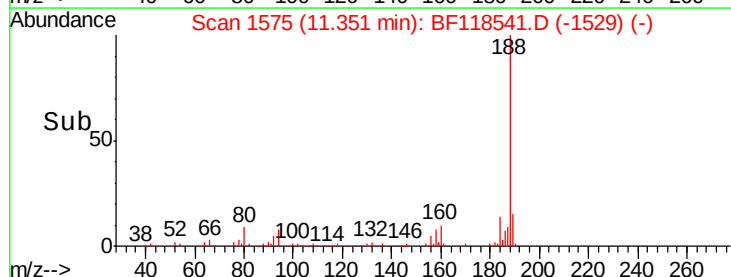
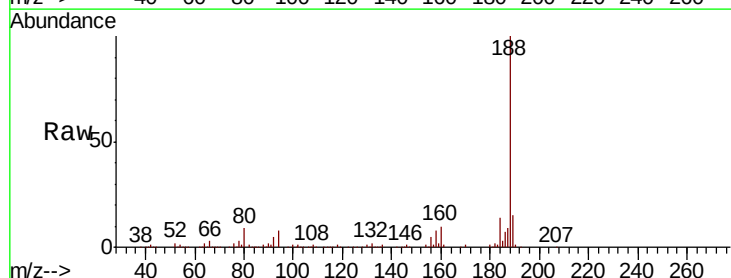
Tgt Ion:188 Resp: 236961

Ion Ratio Lower Upper

188 100

94 8.3 6.2 9.4

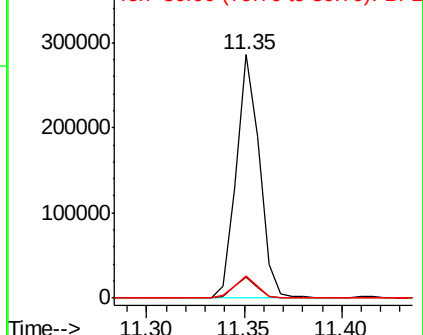
80 9.0 6.6 10.0

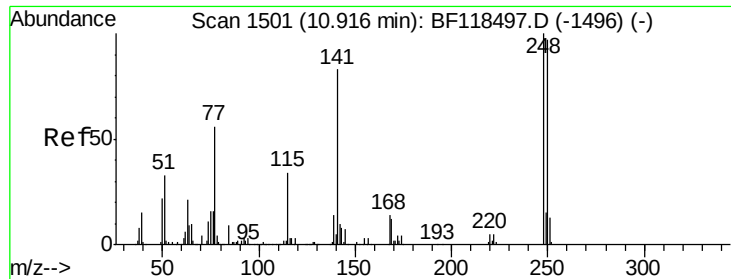


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

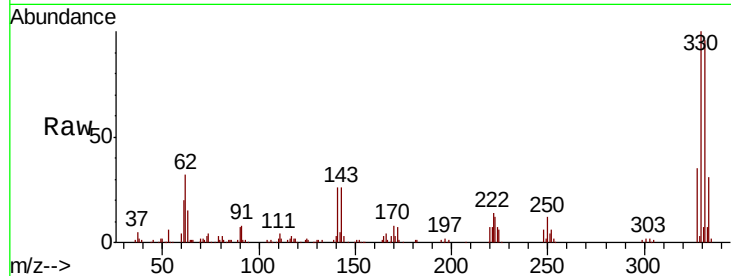




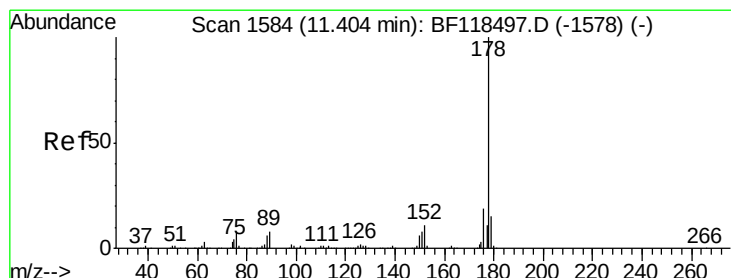
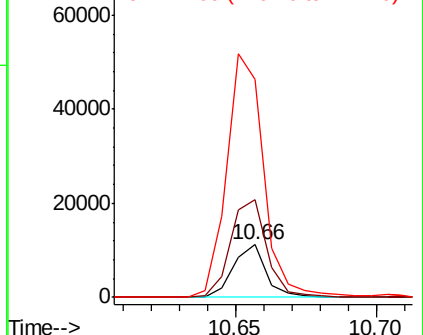
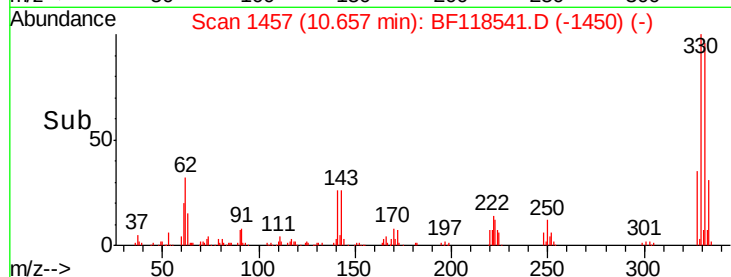
#67
4-Bromophenyl-phenylether
Concen: 3.238 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.26 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8986
Ion Ratio Lower Upper
248 100
250 185.9 77.4 116.0#
141 417.0 66.2 99.4#

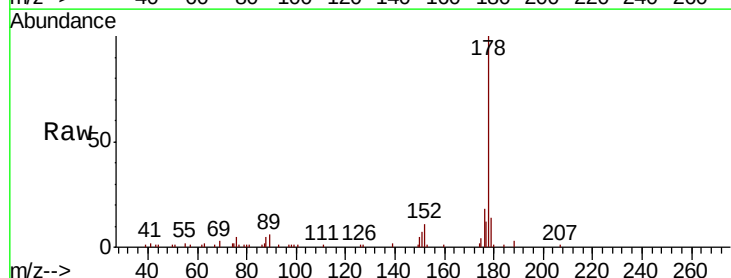


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

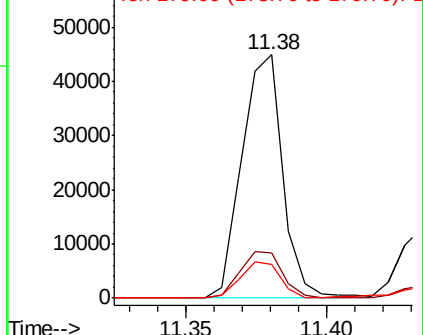
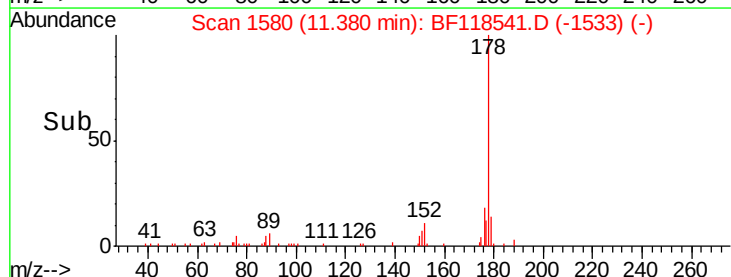


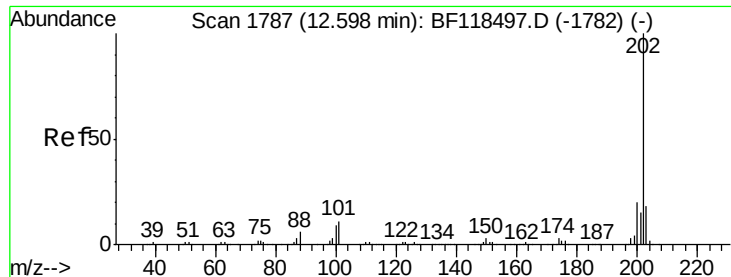
#71
Phenanthrene
Concen: 3.379 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion:178 Resp: 44848
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 13.8 12.3 18.5



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





#75

Fluoranthene

Concen: 5.056 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

Instrument :

BNA_F

ClientSampleId :

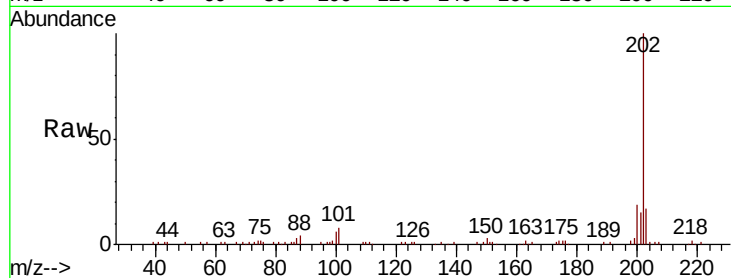
Tot Ion:202 Resp: 68209

Ion Ratio Lower Upper

202 100

101 8.5 0.0 31.4

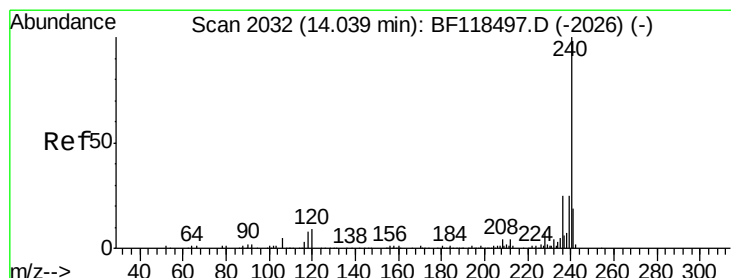
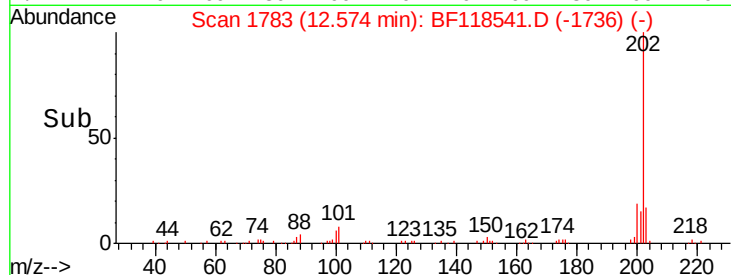
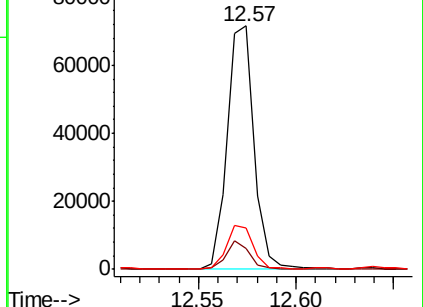
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF118541.D

Acq: 13 Jan 2020 20:09

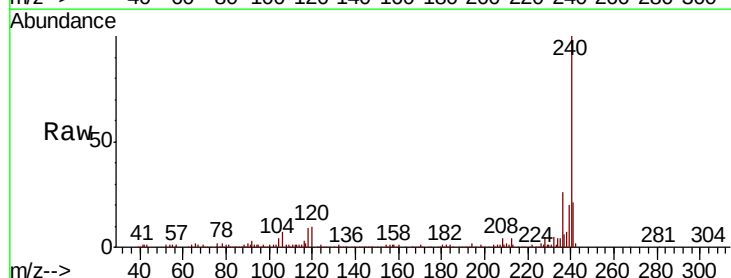
Tgt Ion:240 Resp: 116899

Ion Ratio Lower Upper

240 100

120 9.6 7.0 10.6

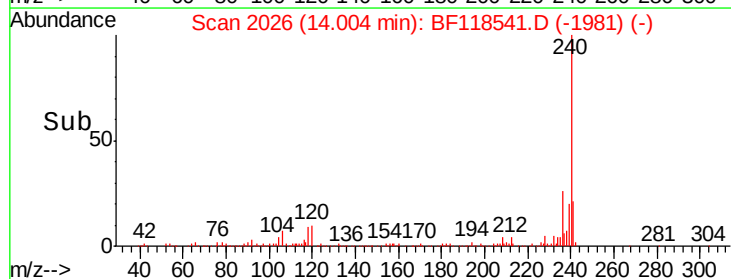
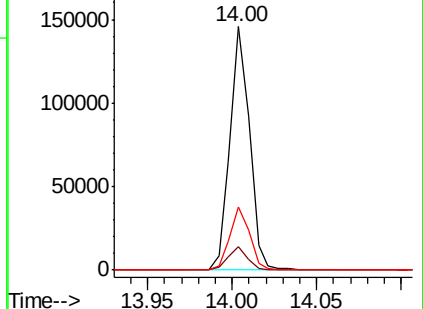
236 26.1 20.1 30.1

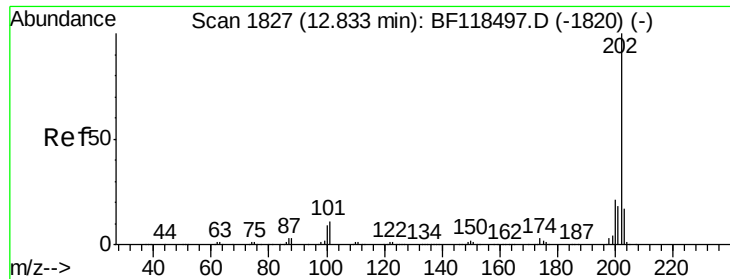


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

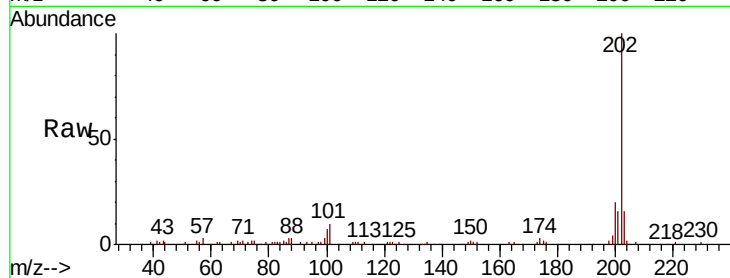




#78
Pvrene
Concen: 6.975 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.9	25.3
203	16.4	13.9	20.9

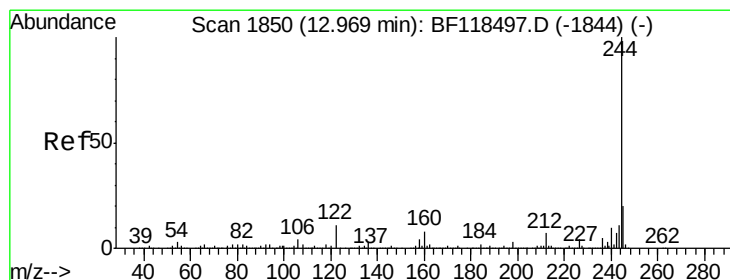
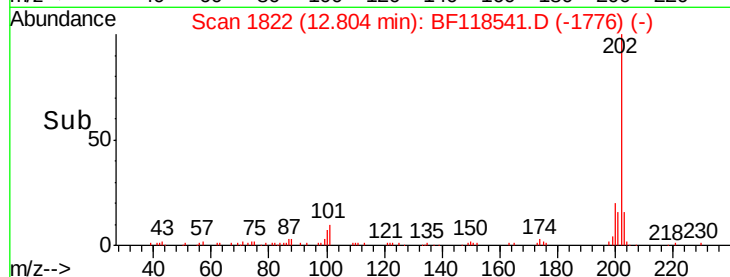
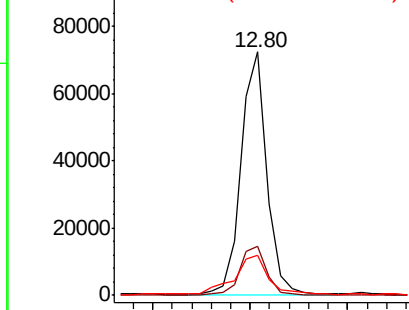


Abundance

Ion 202.00 (201.70 to 202.70): E

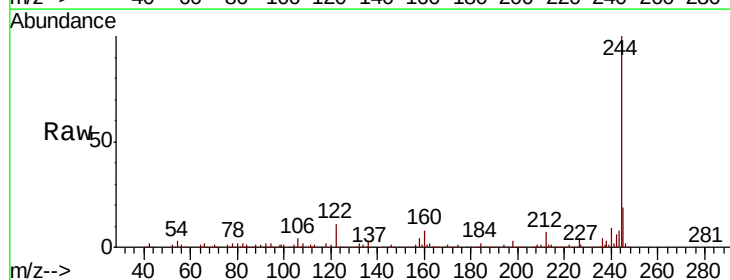
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 52.389 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.3	9.0	13.6

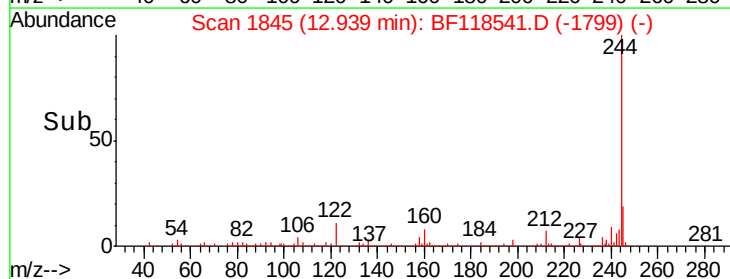
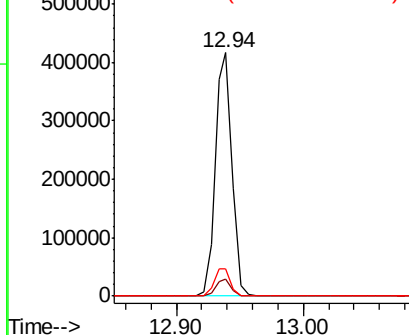


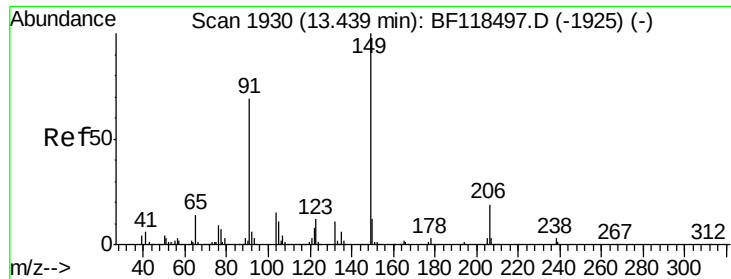
Abundance

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

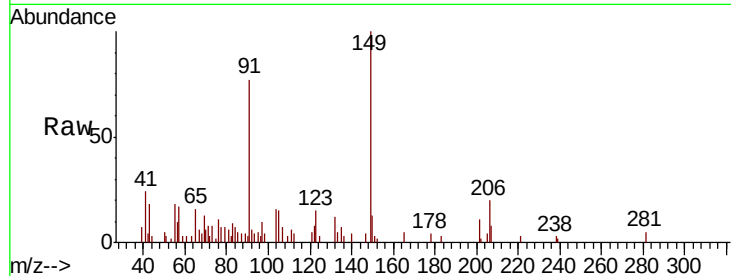




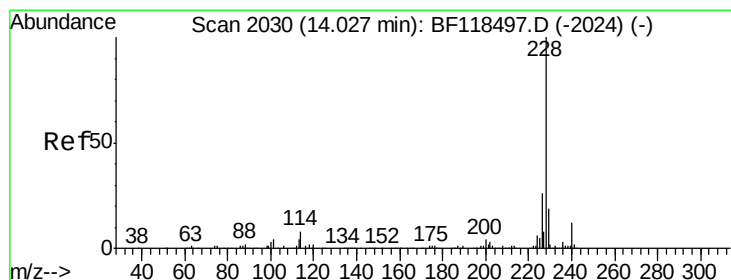
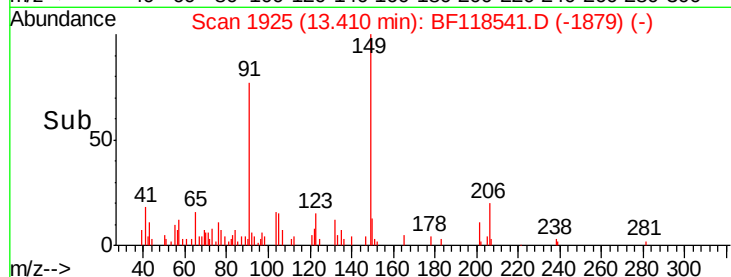
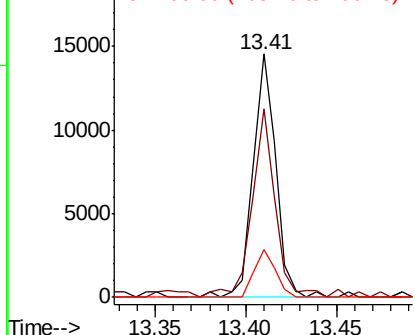
#80
Butylbenzylphthalate
Concen: 2.861 ng
RT: 13.41 min Scan# 1925
Delta R.T. -0.03 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 12601
Ion Ratio Lower Upper
149 100
91 77.2 55.2 82.8
206 19.8 15.1 22.7

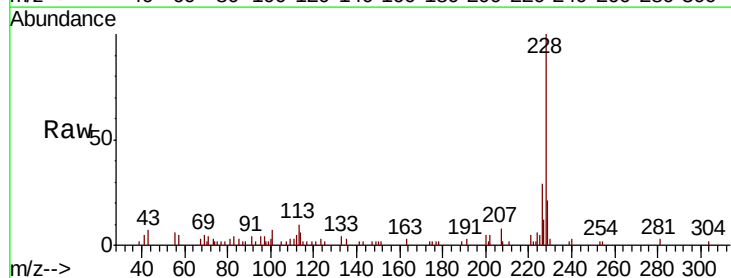


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

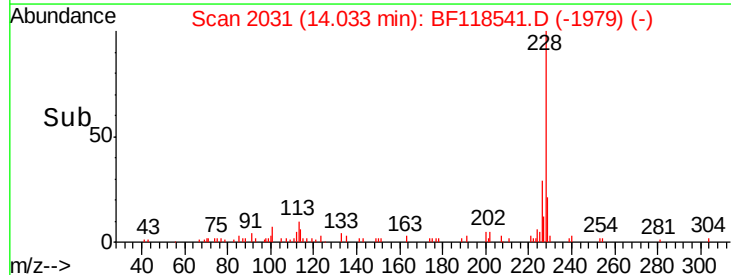
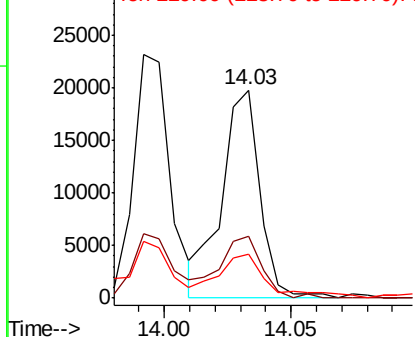


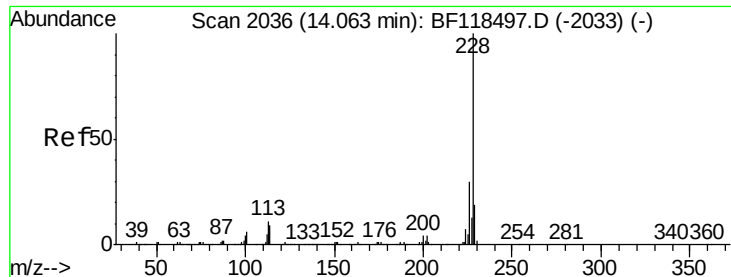
#81
Benzo(a)anthracene
Concen: 2.560 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion:228 Resp: 20945
Ion Ratio Lower Upper
228 100
226 29.5 20.7 31.1
229 20.9 15.4 23.2



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

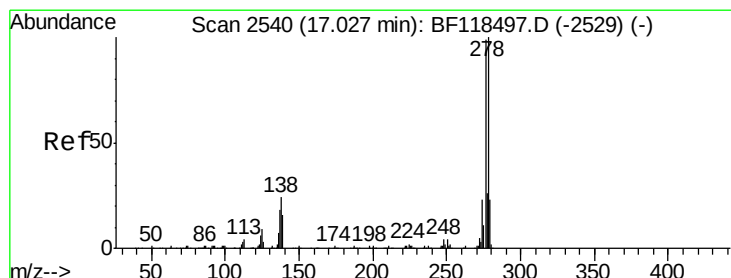
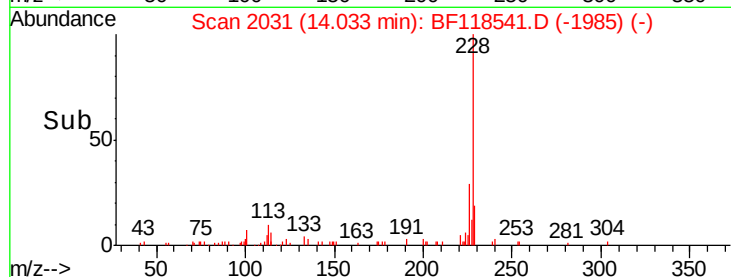
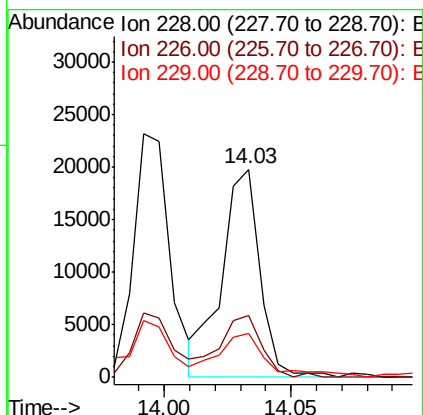
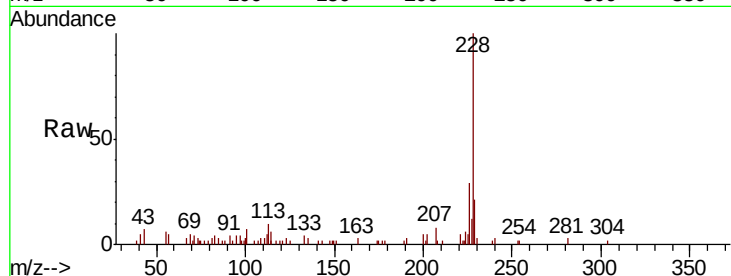




#83
Chrysene
Concen: 2.634 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

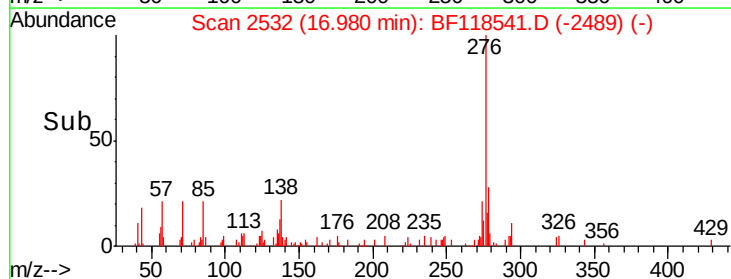
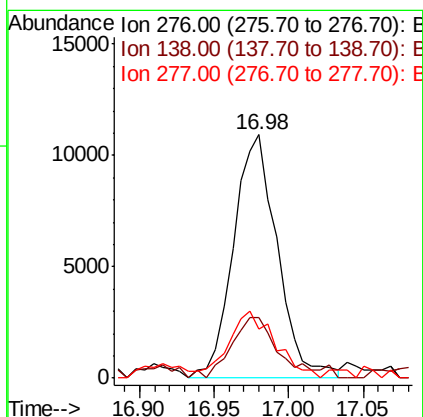
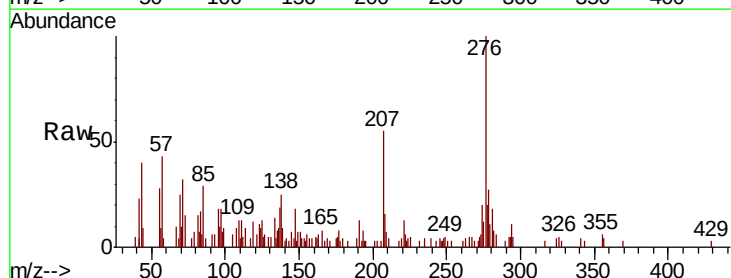
Instrument :
BNA_F
ClientSampled :

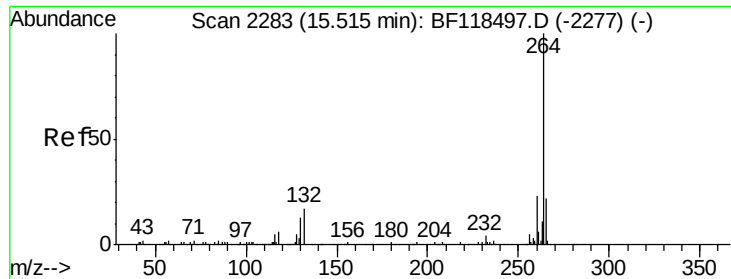
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.6	35.4
229	20.9	15.6	23.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.491 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.05 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	19.0	28.4
277	29.5	20.5	30.7

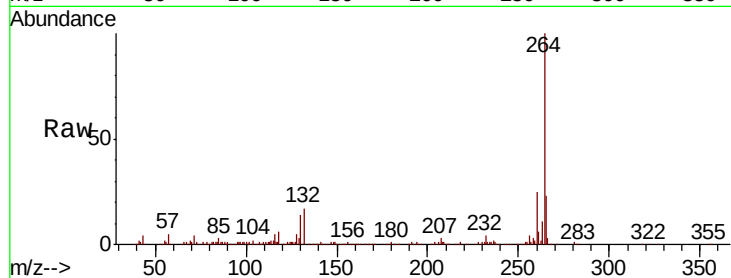




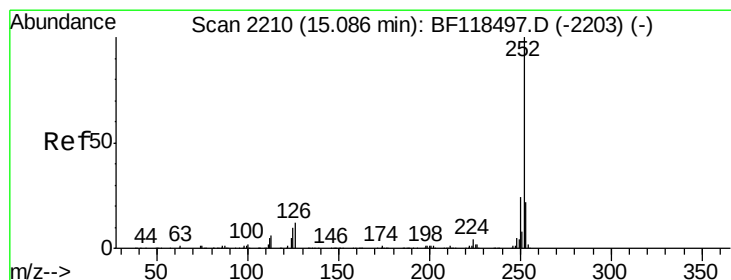
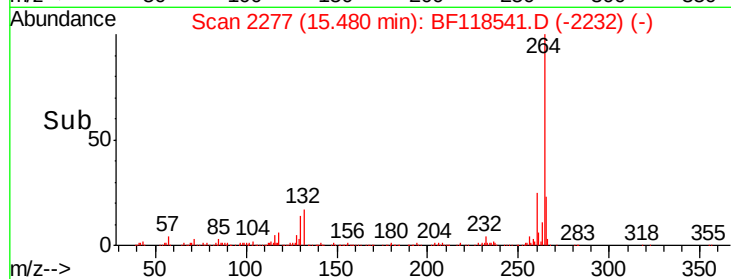
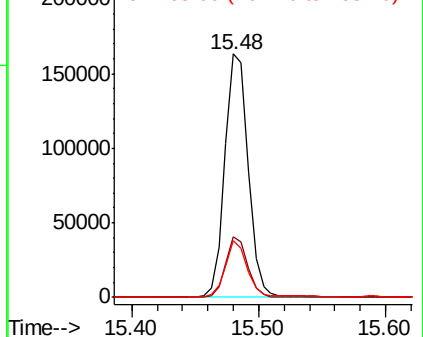
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.04 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 208942
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 23.2 17.5 26.3

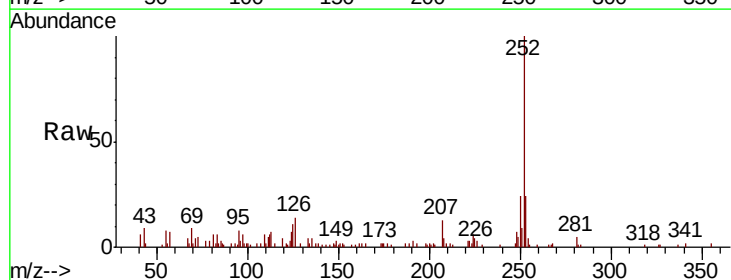


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

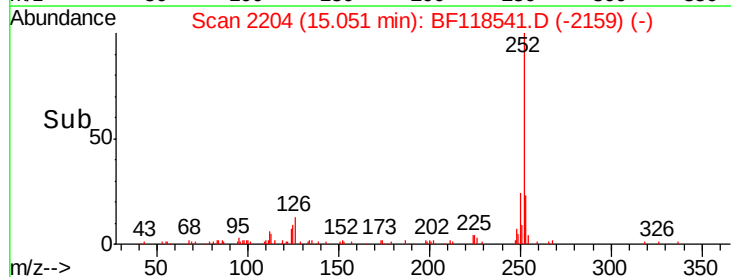
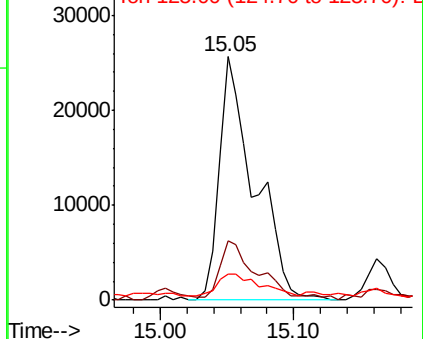


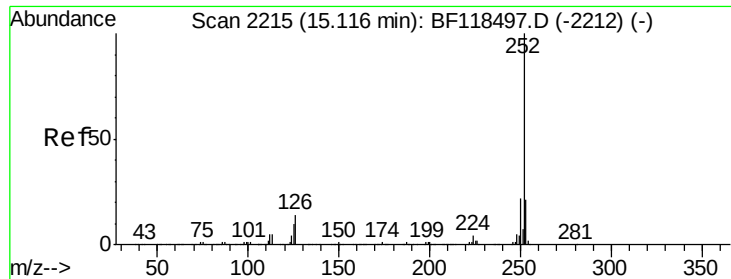
#88
Benzo(b)fluoranthene
Concen: 3.125 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion:252 Resp: 47201
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 10.8 7.8 11.6



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

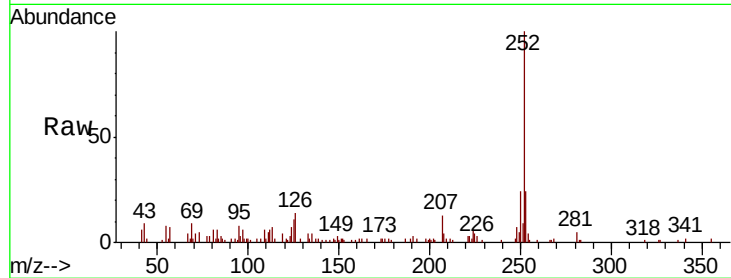




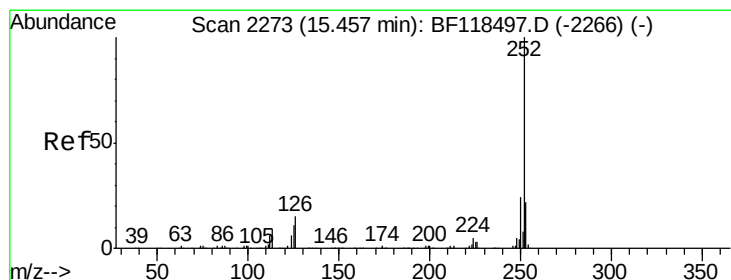
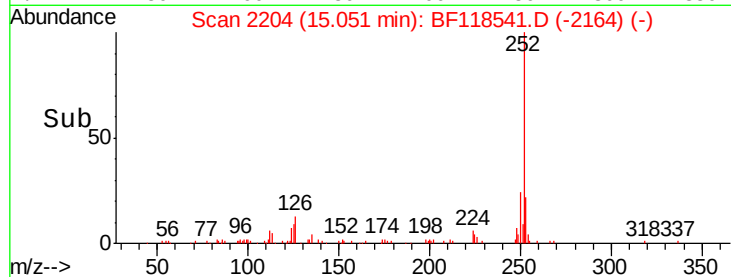
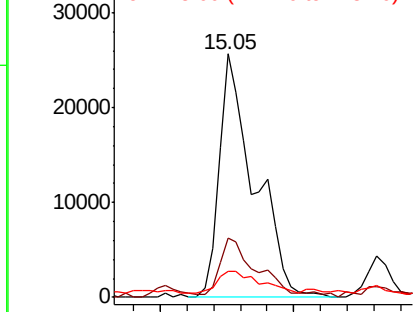
#89
Benzo(k)fluoranthene
Concen: 3.274 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 47201
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.4
125 10.8 7.8 11.6

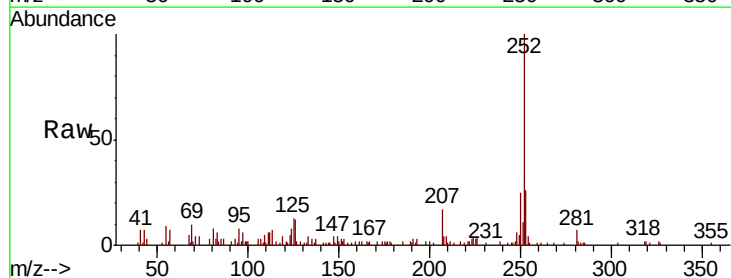


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.448 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.04 min
Lab File: BF118541.D
Acq: 13 Jan 2020 20:09

Tgt Ion:252 Resp: 30299
Ion Ratio Lower Upper
252 100
253 26.3 17.7 26.5
125 13.0 9.0 13.6



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

