

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118538.D
 Acq On : 13 Jan 2020 18:45
 Operator : JU
 Sample : L1014-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 14 10:27:35 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

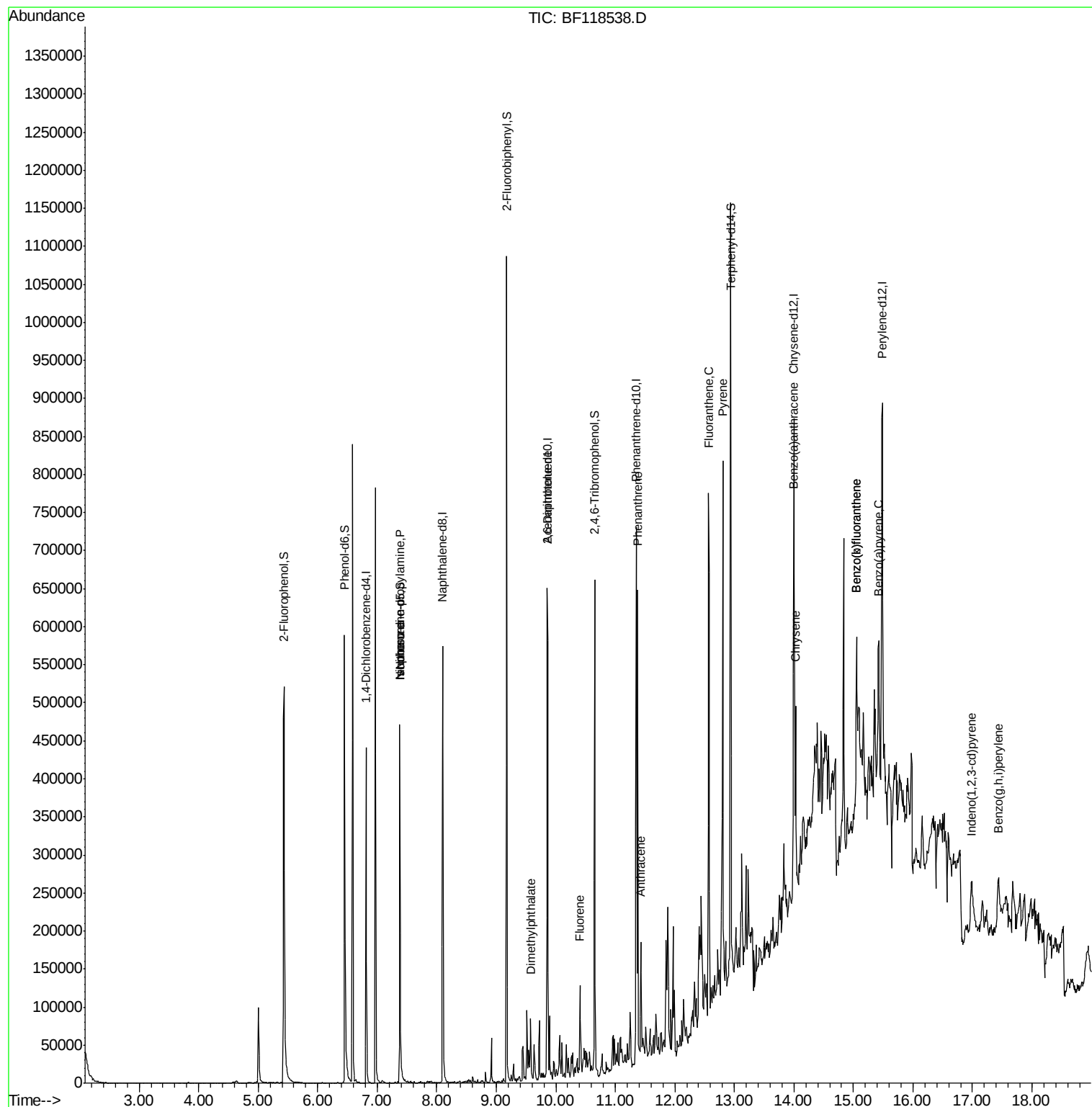
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	64144	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	257703	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	129709	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	236588	20.00	ng	-0.03
76) Chrysene-d12	14.00	240	164982	20.00	ng	-0.04
87) Perylene-d12	15.49	264	210817	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	201281	51.80	ng	-0.01
7) Phenol-d6	6.45	99	213814	46.02	ng	-0.02
23) Nitrobenzene-d5	7.38	82	152929	31.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	62982	41.15	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	295037	32.62	ng	-0.03
79) Terphenyl-d14	12.94	244	333986	32.08	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	20548	6.867	ng	# 80
25) Isophorone	7.38	82	152928	19.459	ng	# 63
50) Dimethylphthalate	9.57	163	26490	2.661	ng	98
51) 2,6-Dinitrotoluene	9.86	165	17203	8.024	ng	# 23
58) Fluorene	10.41	166	32591	3.540	ng	98
71) Phenanthrene	11.37	178	223790	16.886	ng	100
72) Anthracene	11.43	178	61145	4.637	ng	96
75) Fluoranthene	12.57	202	252461	18.741	ng	99
77) Benzidine	12.72	184	443	Below Cal	#	1
78) Pyrene	12.80	202	284592	20.966	ng	99
81) Benzo(a)anthracene	13.99	228	105922	9.172	ng	96
83) Chrysene	14.03	228	103338	9.209	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	36756	4.068	ng	95
88) Benzo(b)fluoranthene	15.05	252	164109	10.767	ng	94
89) Benzo(k)fluoranthene	15.05	252	164109	11.280	ng	92
90) Benzo(a)pyrene	15.42	252	108441	8.682	ng	98
92) Benzo(a,h,i)perylene	17.43	276	42659	3.844	ng	# 92

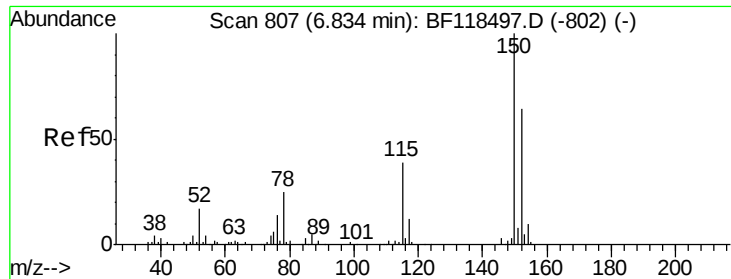
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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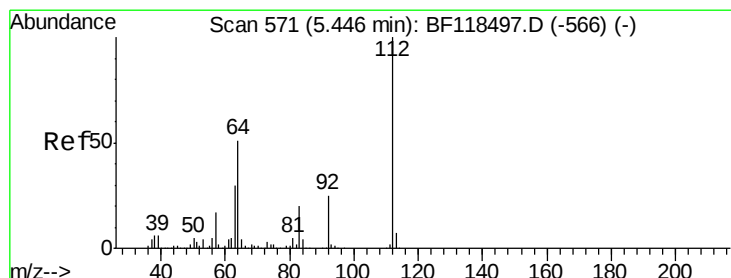
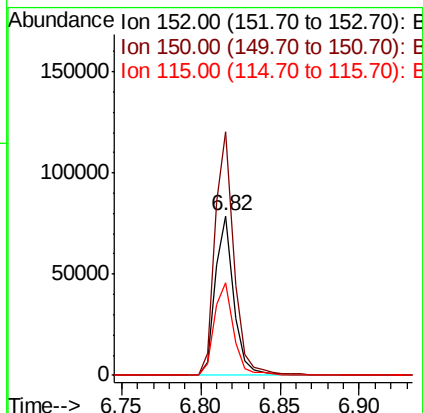
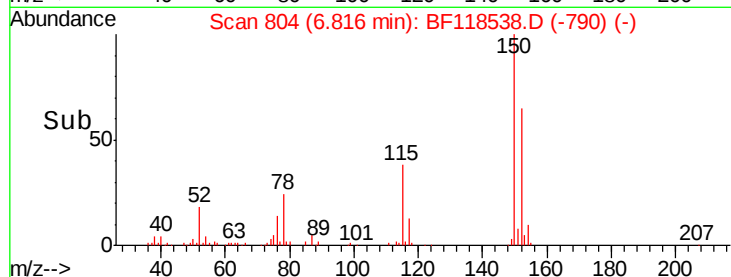
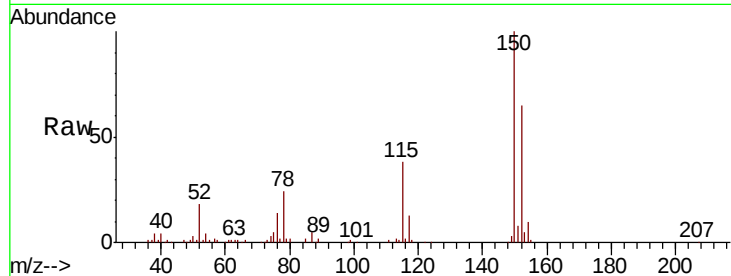


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Instrument :
BNA_F
ClientSampleId :

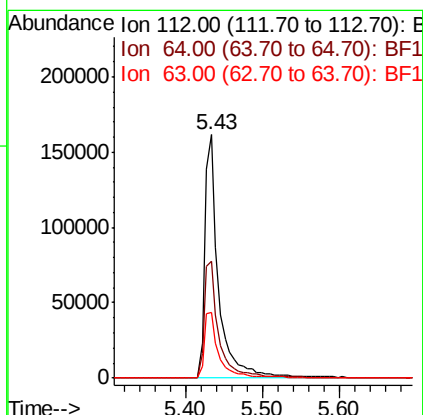
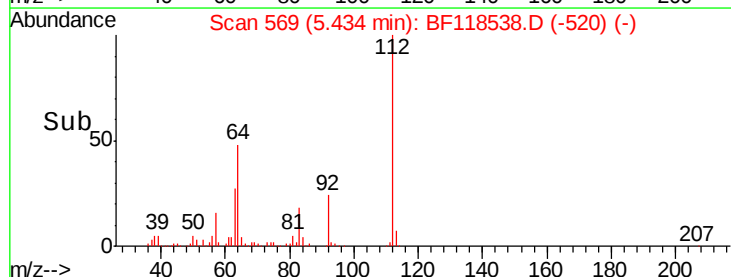
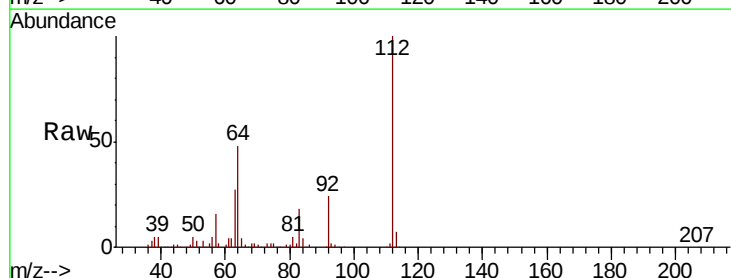
Tot Ion:152 Resp: 64144
Ion Ratio Lower Upper
152 100
150 152.8 124.7 187.1
115 58.0 49.0 73.6

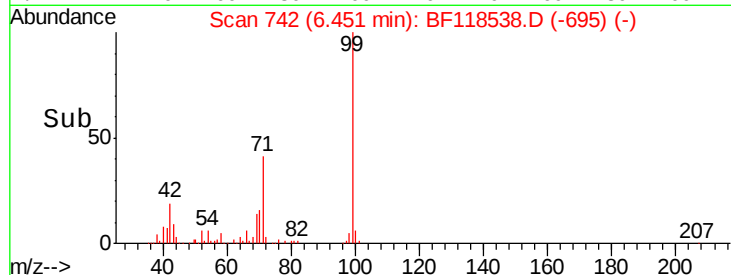
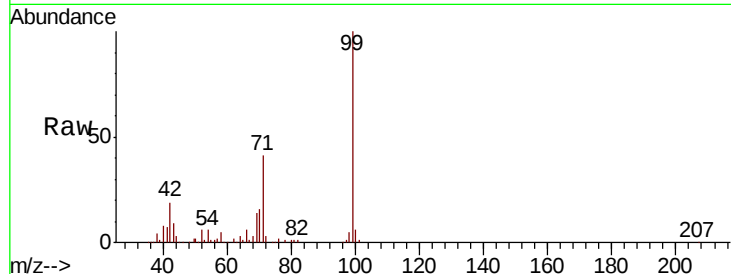
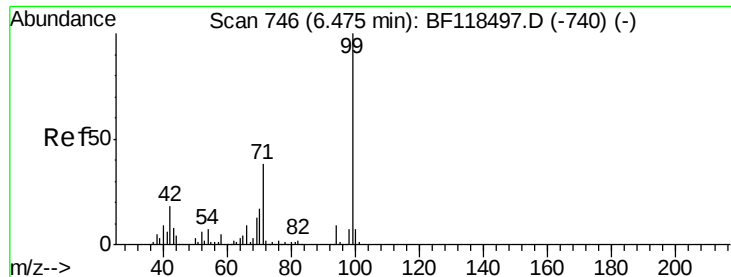


#5

2-Fluorophenol
Concen: 51.800 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Tgt Ion:112 Resp: 201281
Ion Ratio Lower Upper
112 100
64 47.9 41.1 61.7
63 27.0 24.1 36.1





#7

Phenol-d6

Concen: 46.025 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF118538.D

Acq: 13 Jan 2020 18:45

Instrument :

BNA_F

ClientSampled :

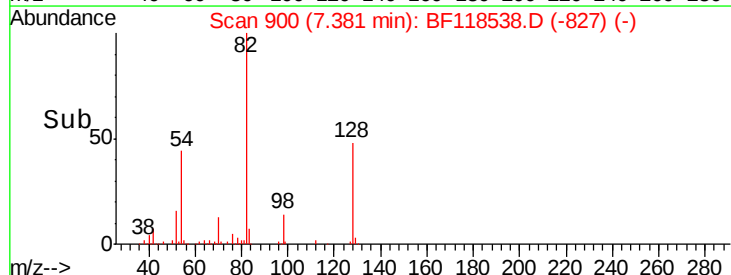
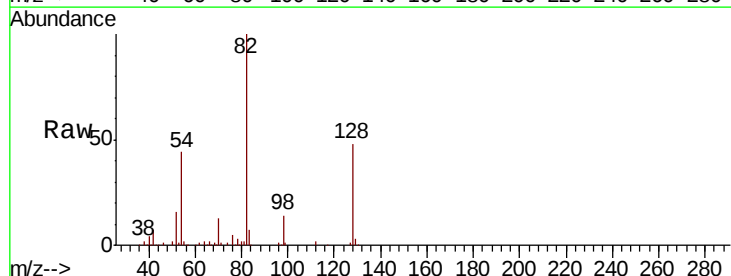
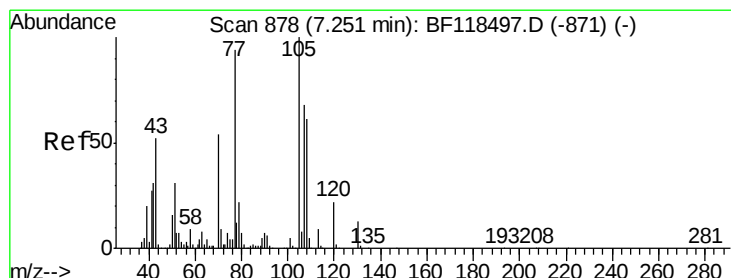
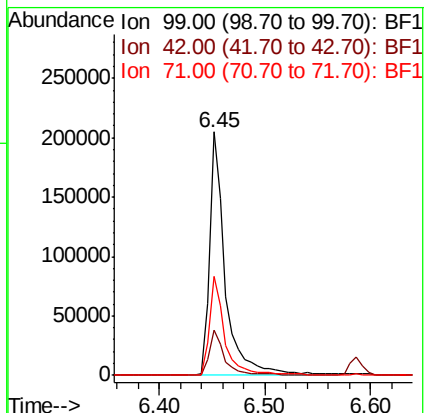
Tot Ion: 99 Resp: 213814

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 40.9 30.6 45.8



#19

n-Nitroso-di-n-propylamine

Concen: 6.867 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF118538.D

Acq: 13 Jan 2020 18:45

Tgt Ion: 70 Resp: 20548

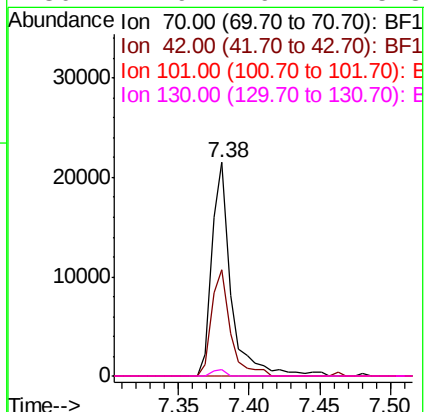
Ion Ratio Lower Upper

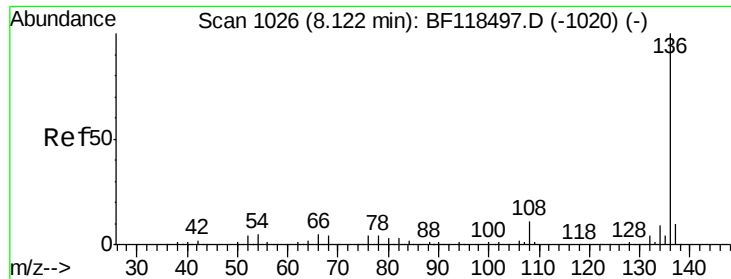
70 100

42 50.0 45.6 68.4

101 0.0 8.2 12.2#

130 2.9 19.2 28.8#

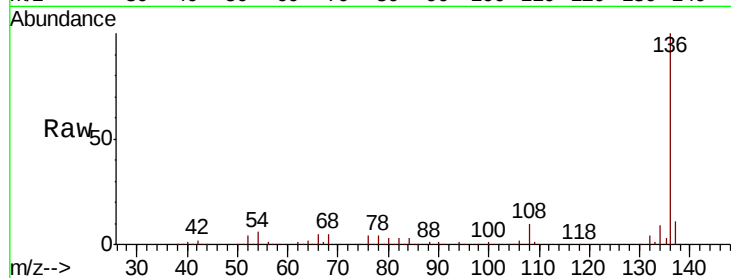




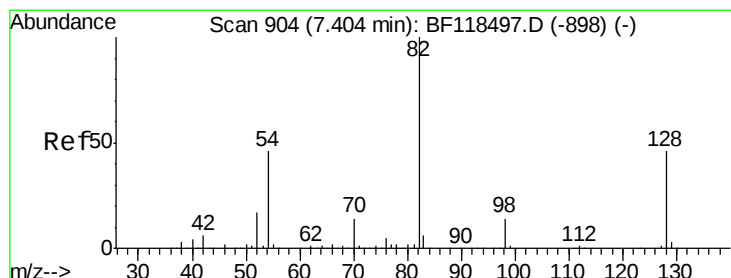
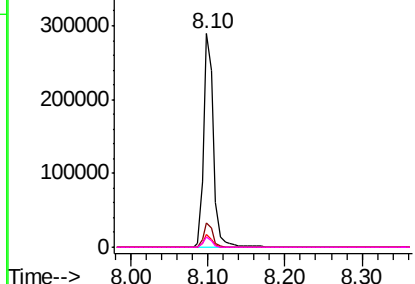
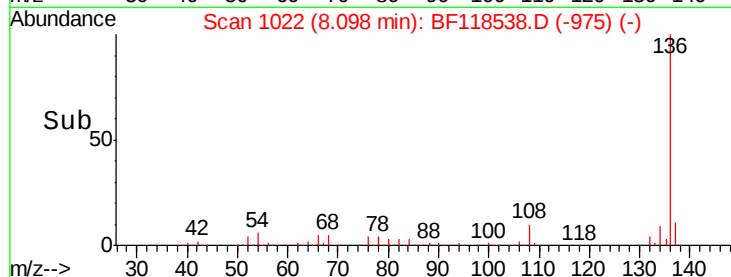
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	257703
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.3 12.5
54	5.9	4.2 6.2
68	4.6	3.3 4.9

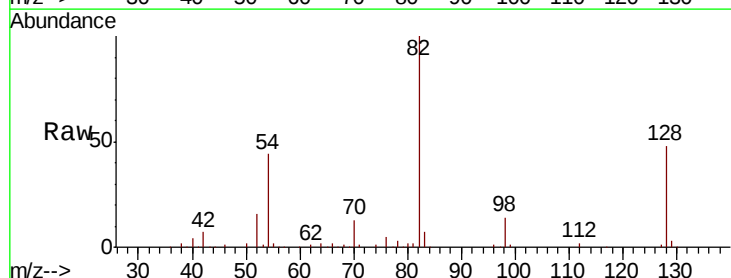


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

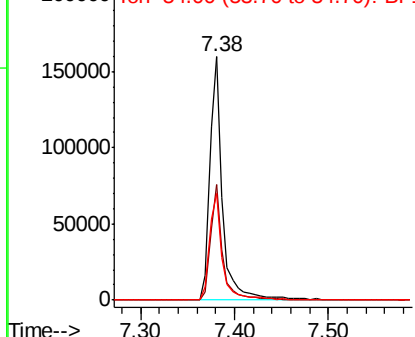
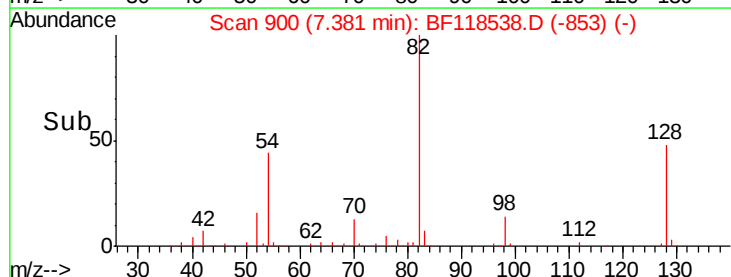


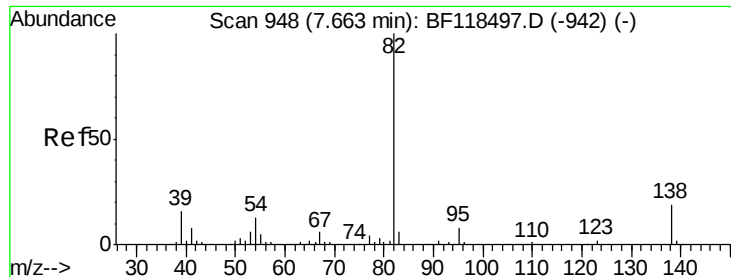
#23
Nitrobenzene-d5
Concen: 31.174 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Tgt Ion: 82	Resp:	152929
Ion	Ratio	Lower Upper
82	100	
128	47.7	36.6 54.8
54	44.0	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: 19.459 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF118538.D

Acq: 13 Jan 2020 18:45

Instrument :

BNA_F

ClientSampleId :

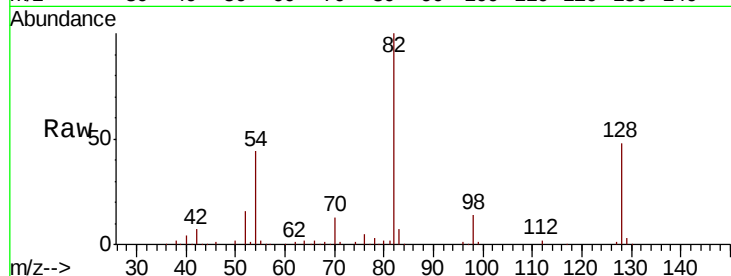
Tot Ion: 82 Resp: 152928

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

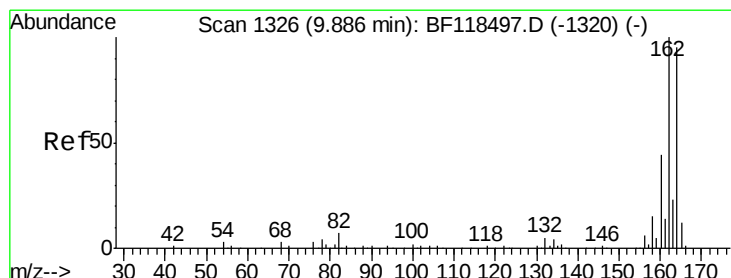
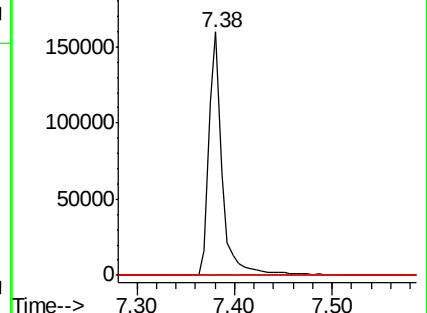
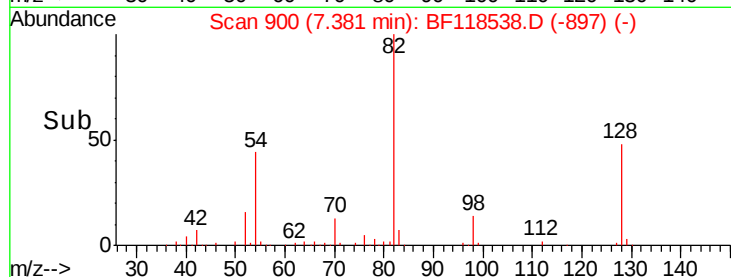
138 0.0 15.4 23.2#



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: BF118538.D

Acq: 13 Jan 2020 18:45

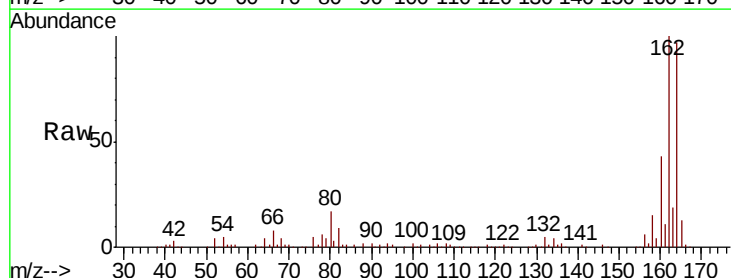
Tgt Ion: 164 Resp: 129709

Ion Ratio Lower Upper

164 100

162 102.9 84.2 126.4

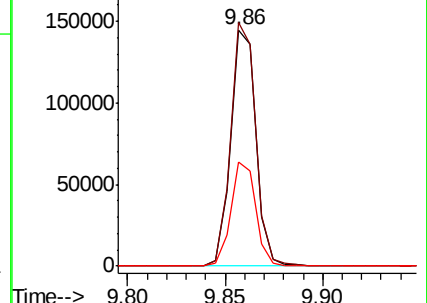
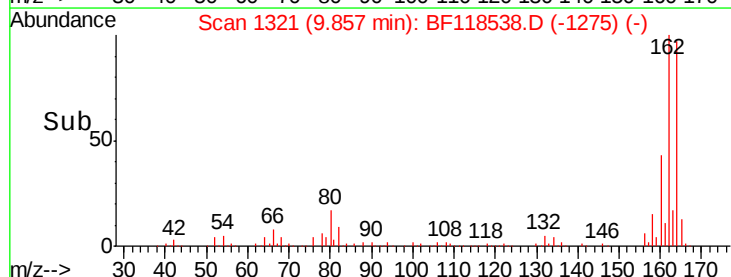
160 44.3 36.8 55.2

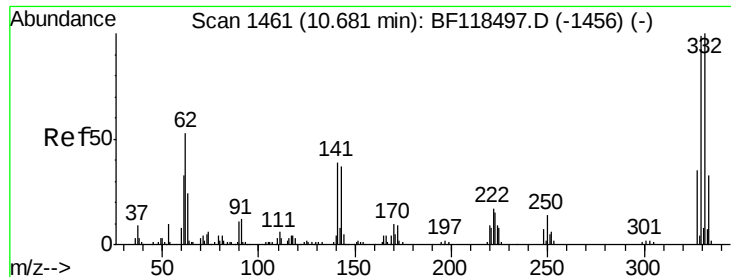


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 41.150 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.03 min

Lab File: BF118538.D

Acq: 13 Jan 2020 18:45

Instrument :

BNA_F

ClientSampleId :

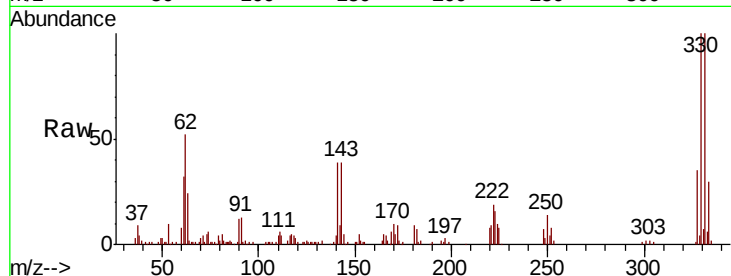
Tot Ion:330 Resp: 62982

Ion Ratio Lower Upper

330 100

332 97.5 77.9 116.9

141 38.9 28.6 43.0

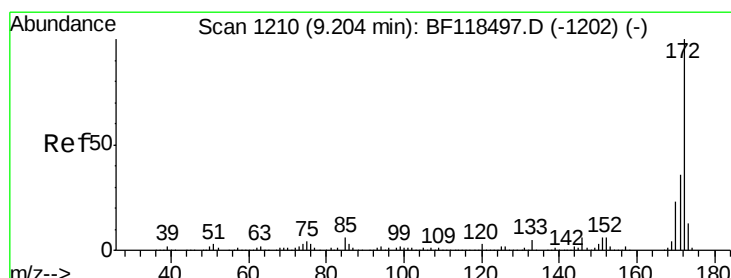
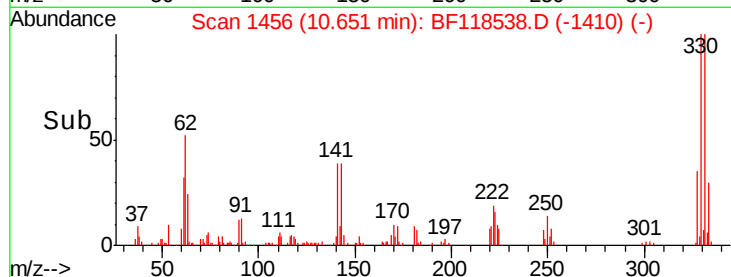
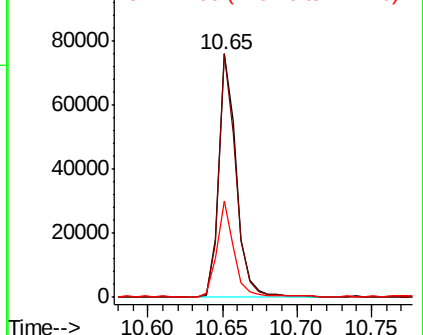


Abundance

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: 32.622 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF118538.D

Acq: 13 Jan 2020 18:45

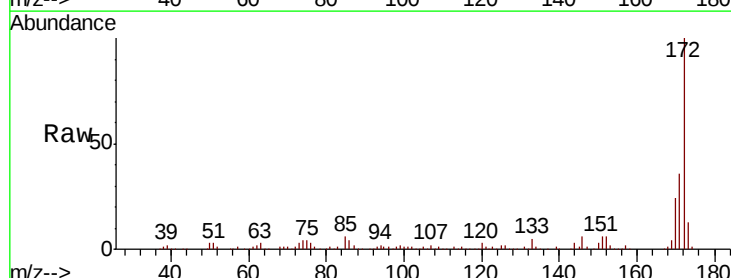
Tgt Ion:172 Resp: 295037

Ion Ratio Lower Upper

172 100

171 36.2 28.6 42.8

170 23.8 18.6 27.8

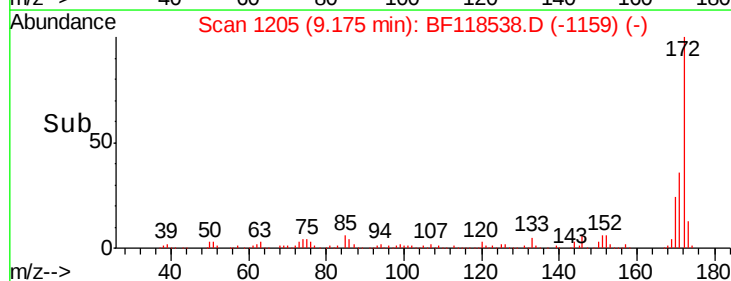
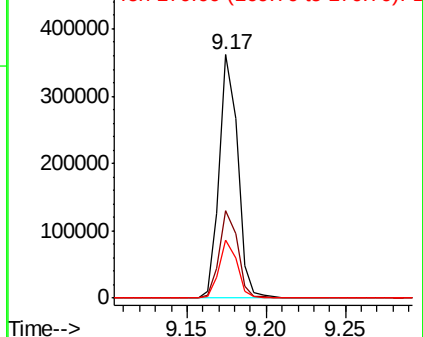


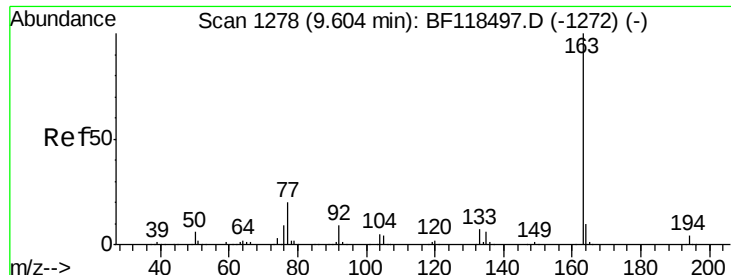
Abundance

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

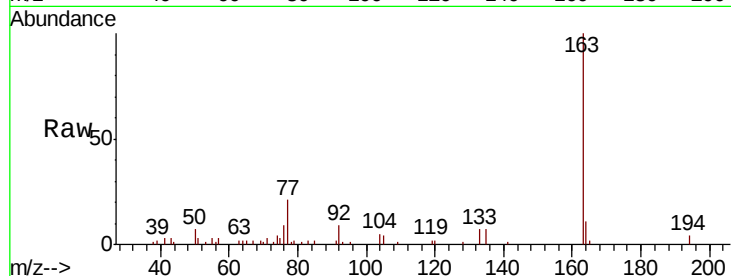




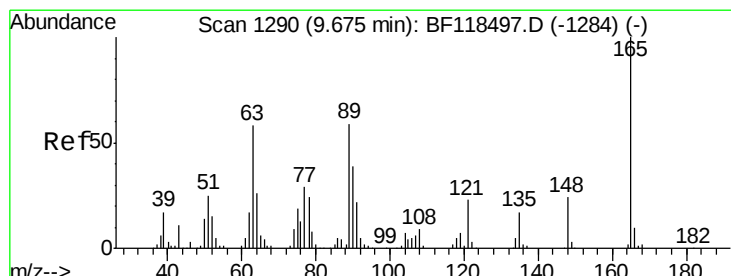
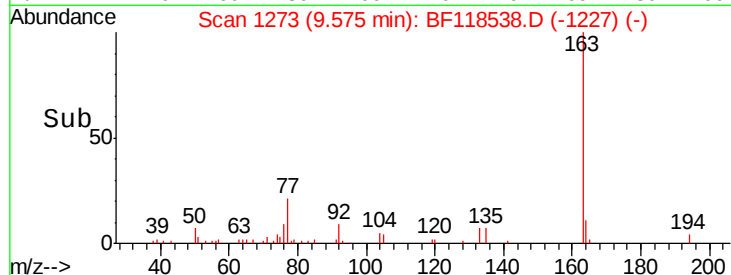
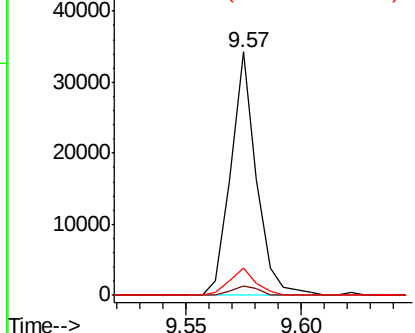
#50
 Dimethylphthalate
 Concen: 2.661 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.03 min
 Lab File: BF118538.D
 Acq: 13 Jan 2020 18:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	11.2	8.1	12.1

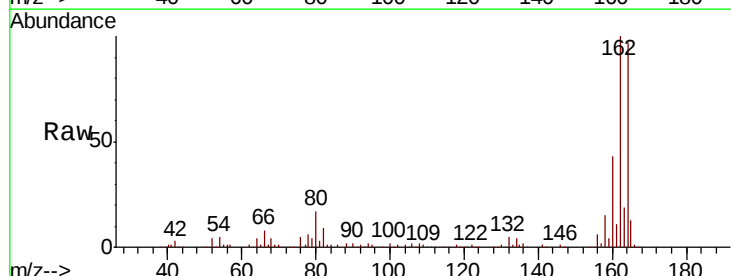


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

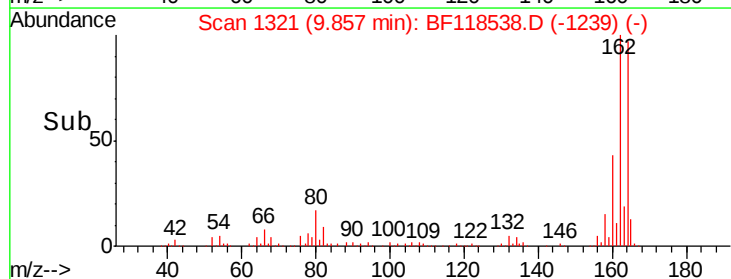
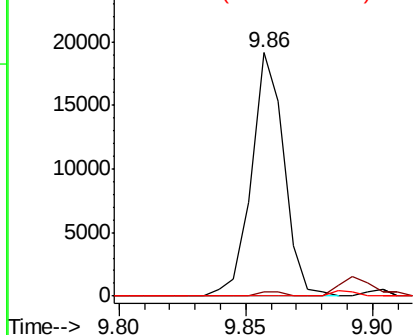


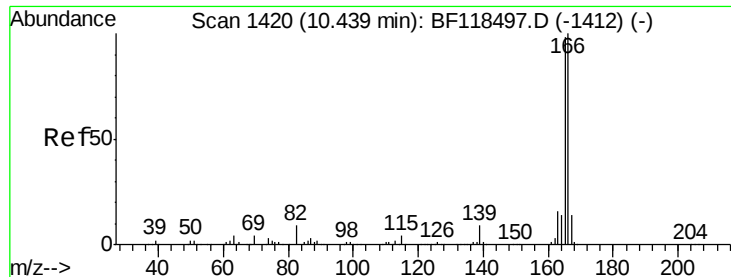
#51
 2,6-Dinitrotoluene
 Concen: 8.024 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.18 min
 Lab File: BF118538.D
 Acq: 13 Jan 2020 18:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	46.6	70.0#
89	0.0	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

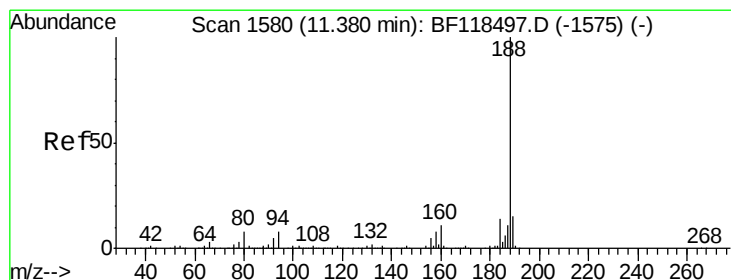
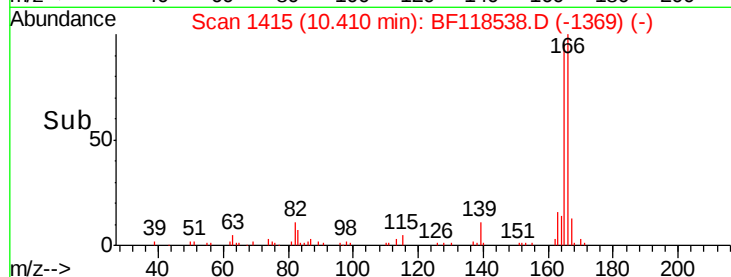
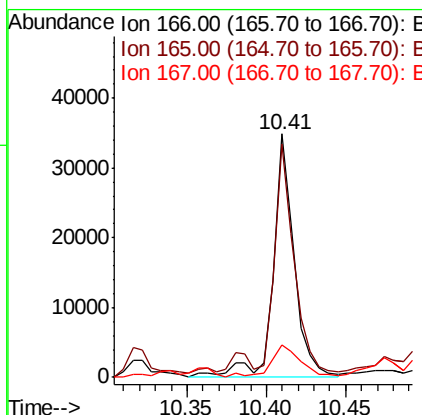
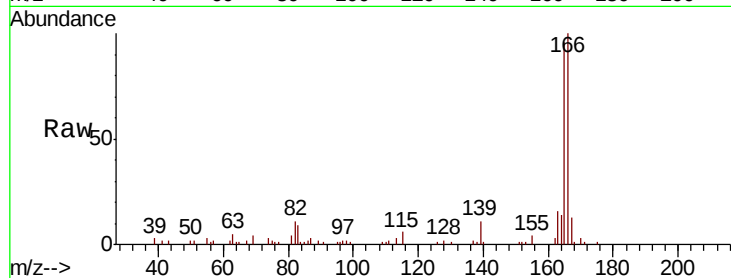




#58
 Fluorene
 Concen: 3.540 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.03 min
 Lab File: BF118538.D
 Acq: 13 Jan 2020 18:45

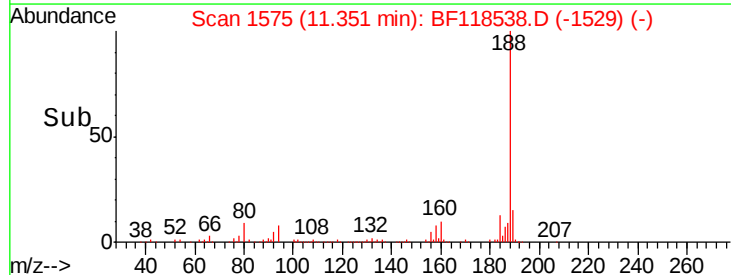
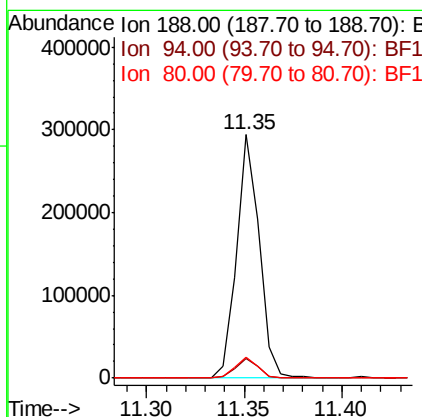
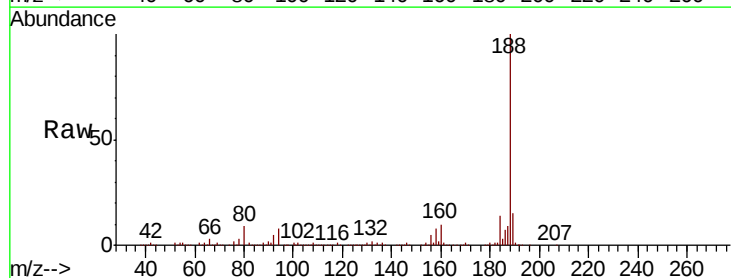
Instrument :
 BNA_F
 ClientSampleId :

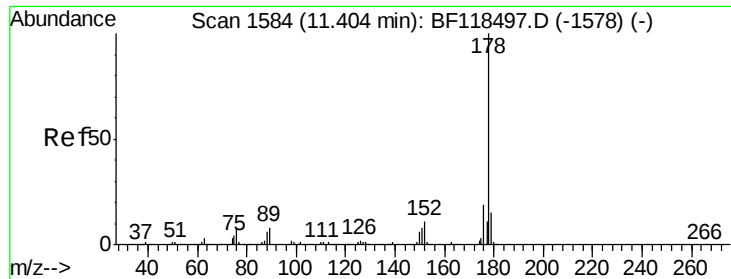
Tot Ion:166 Resp: 32591
 Ion Ratio Lower Upper
 166 100
 165 95.6 78.6 117.8
 167 13.1 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.03 min
 Lab File: BF118538.D
 Acq: 13 Jan 2020 18:45

Tgt Ion:188 Resp: 236588
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.2 9.4
 80 8.7 6.6 10.0

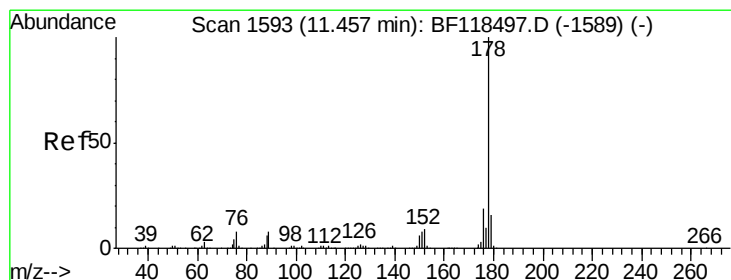
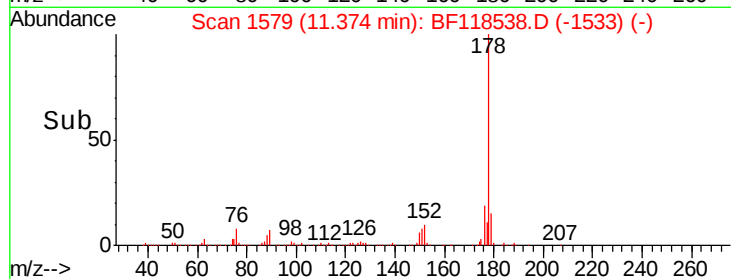
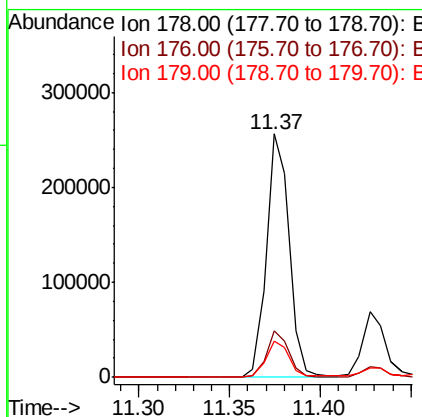
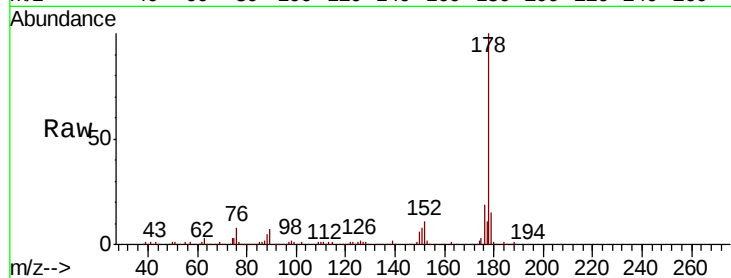




#71
Phenanthrene
Concen: 16.886 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

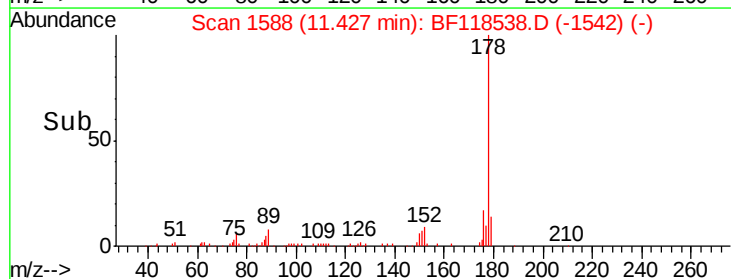
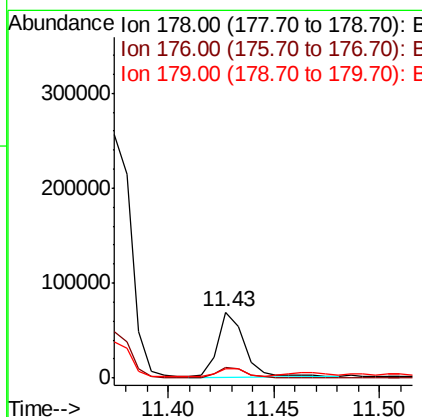
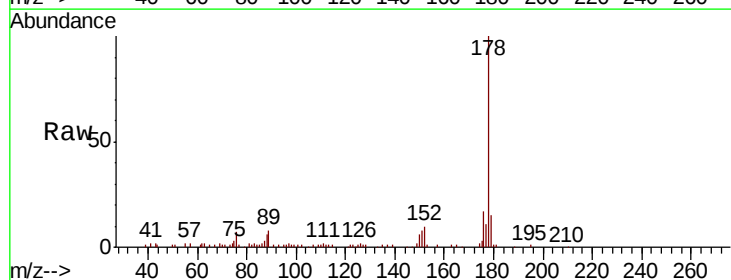
Instrument :
BNA_F
ClientSampleId :

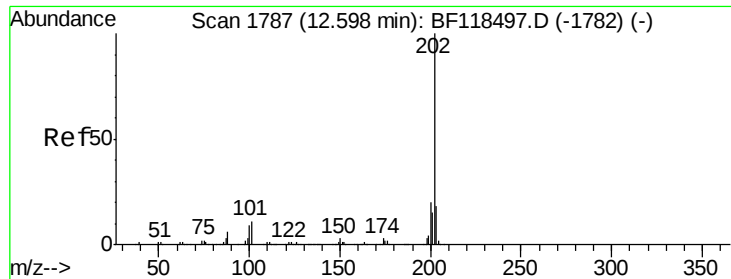
Tot Ion:178 Resp: 223790
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.1 12.3 18.5



#72
Anthracene
Concen: 4.637 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.03 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Tgt Ion:178 Resp: 61145
Ion Ratio Lower Upper
178 100
176 16.7 15.0 22.4
179 14.6 12.6 19.0





#75

Fluoranthene

Concen: 18.741 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.03 min

Lab File: BF118538.D

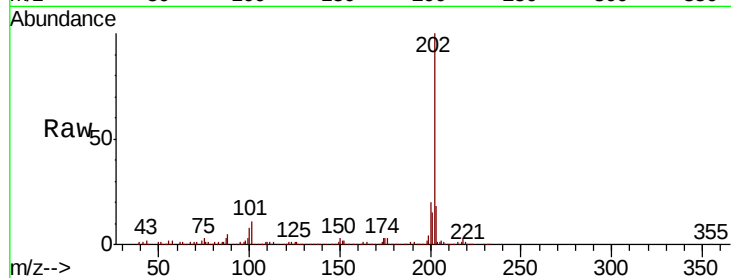
Acq: 13 Jan 2020 18:45

Instrument :

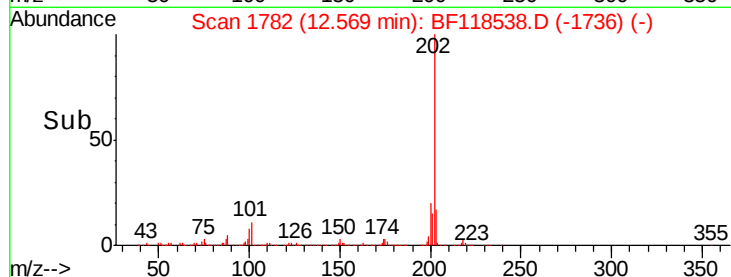
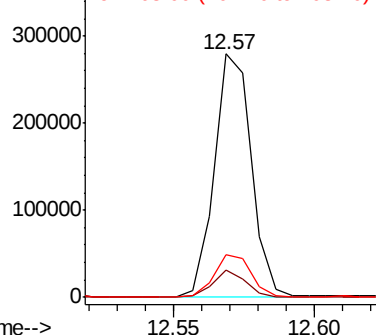
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	252461
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.5	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

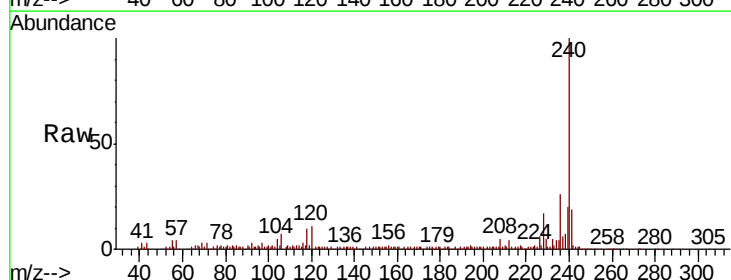
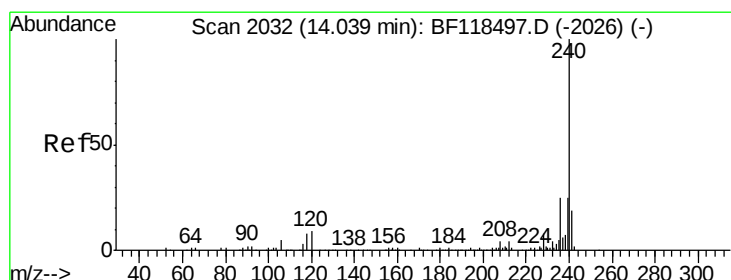
RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

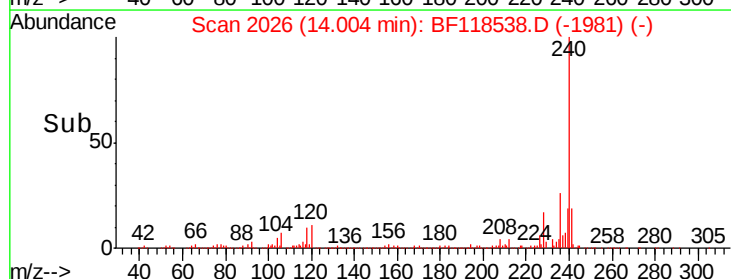
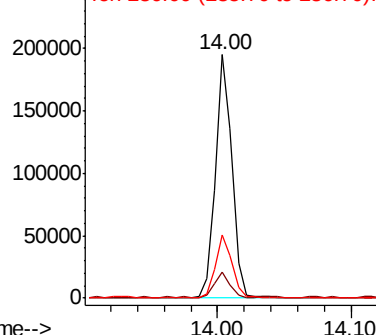
Lab File: BF118538.D

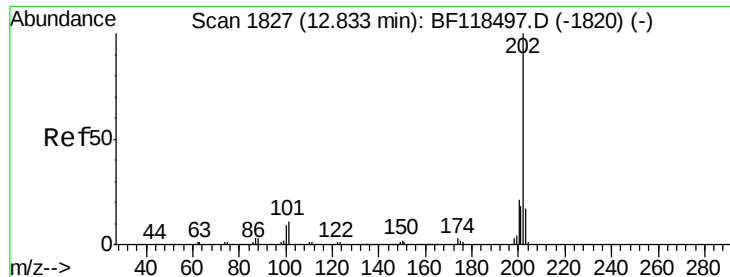
Acq: 13 Jan 2020 18:45

Tgt Ion:	240	Resp:	164982
Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.0	10.6#
236	26.0	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

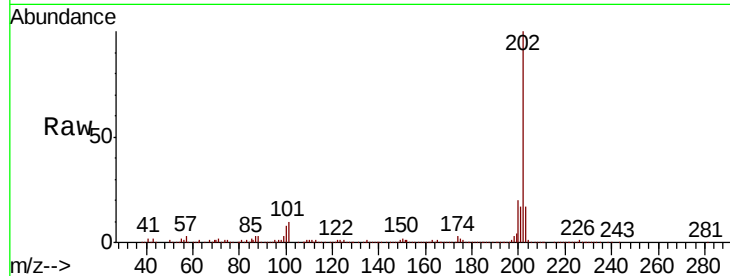




#78
Pvrene
Concen: 20.966 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.9	25.3
203	17.4	13.9	20.9

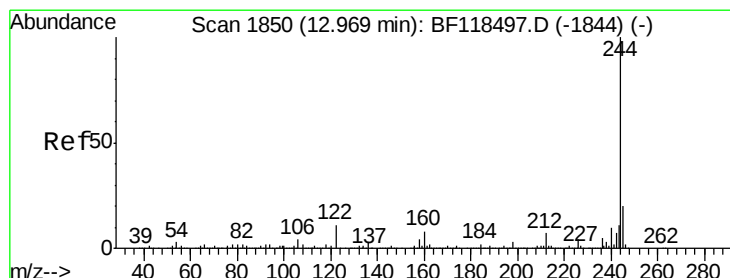
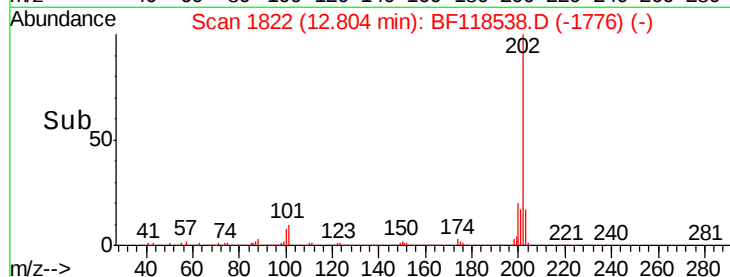
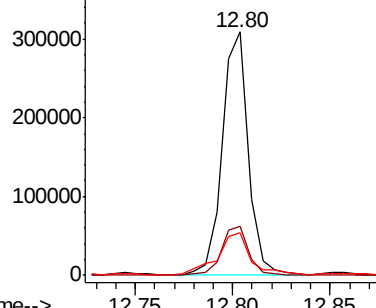


Abundance

Ion 202.00 (201.70 to 202.70): E

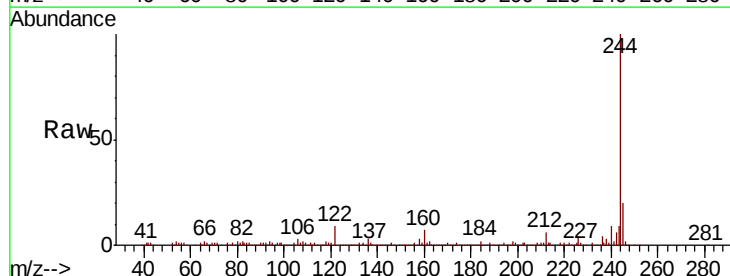
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 32.080 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.6	8.4
122	8.9	9.0	13.6#

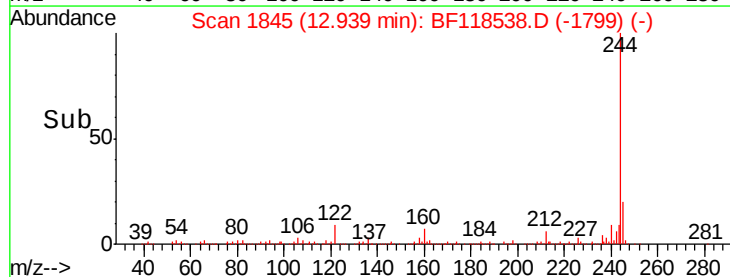
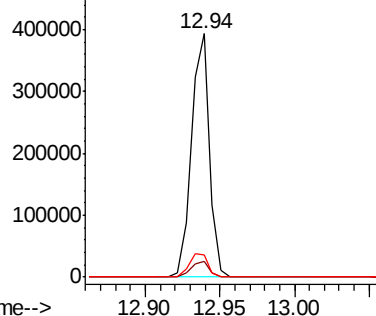


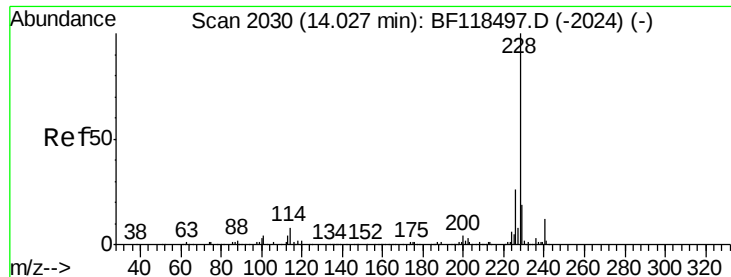
Abundance

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

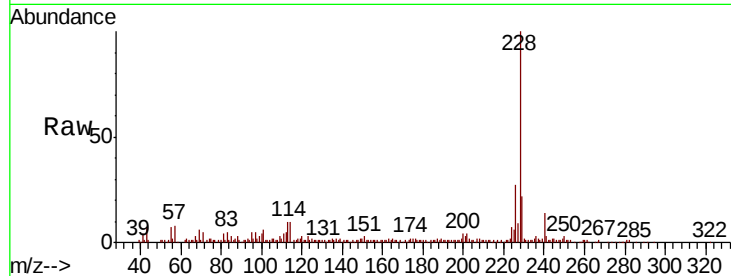




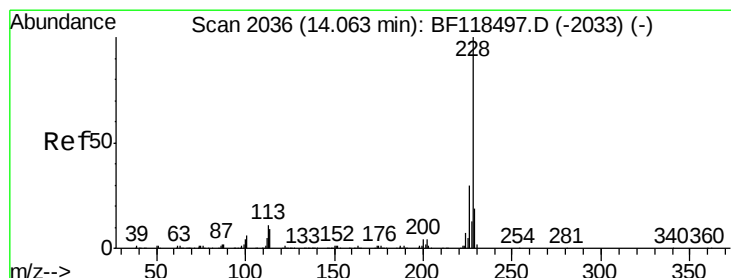
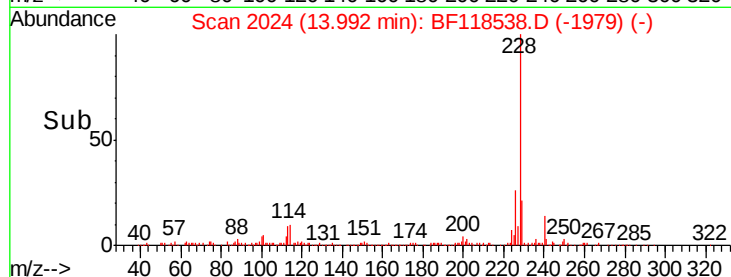
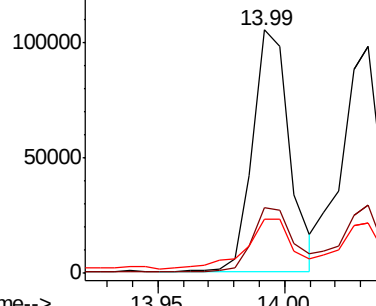
#81
Benzo(a)anthracene
Concen: 9.172 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.04 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	20.7	31.1
229	22.5	15.4	23.2

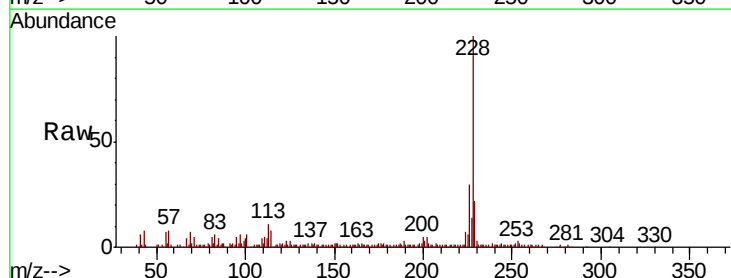


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

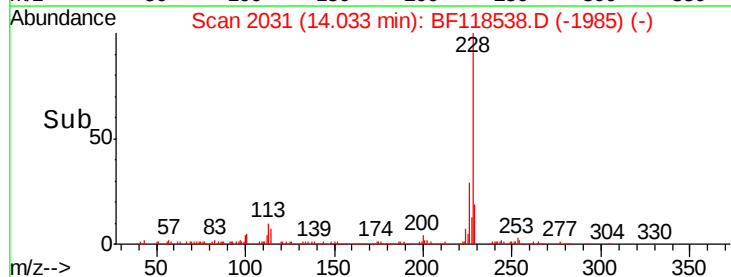
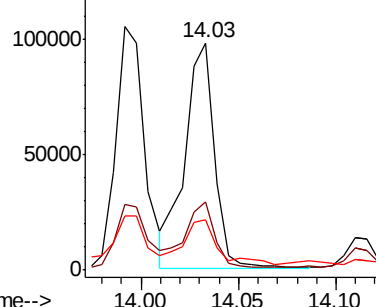


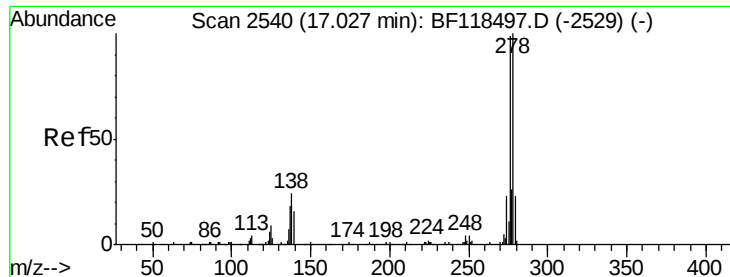
#83
Chrysene
Concen: 9.209 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	22.2	15.6	23.4



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

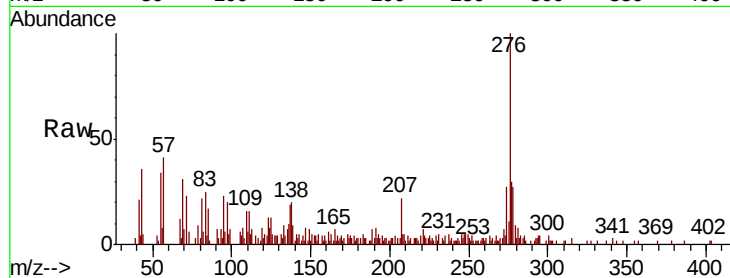




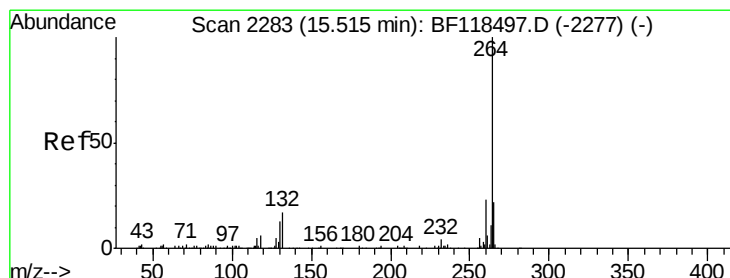
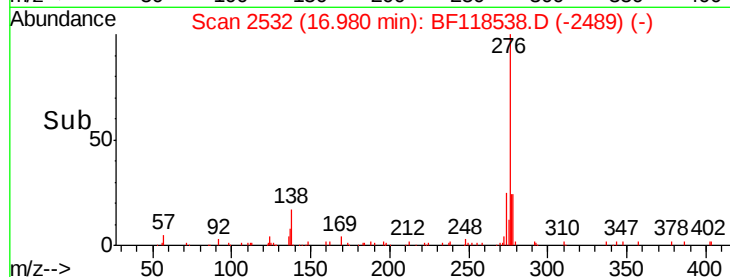
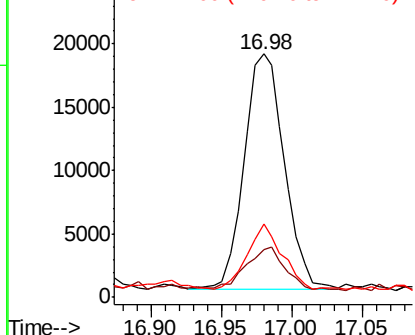
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.068 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.05 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 36756
Ion Ratio Lower Upper
276 100
138 19.5 19.0 28.4
277 24.6 20.5 30.7

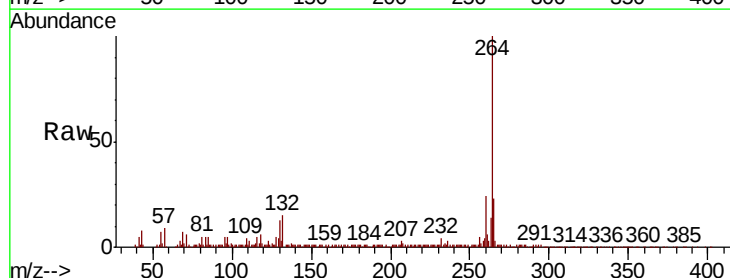


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

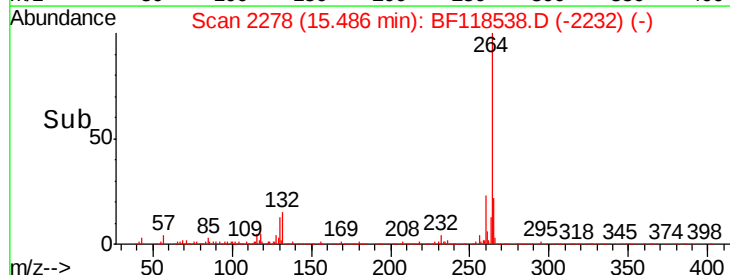
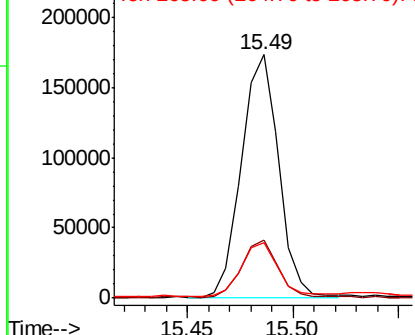


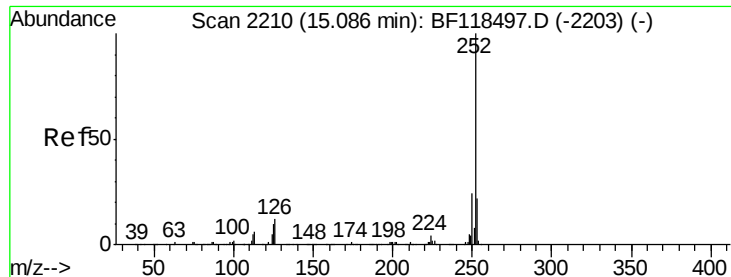
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.03 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Tgt Ion:264 Resp: 210817
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.8 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

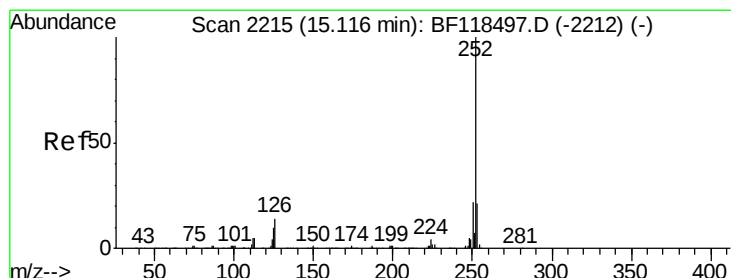
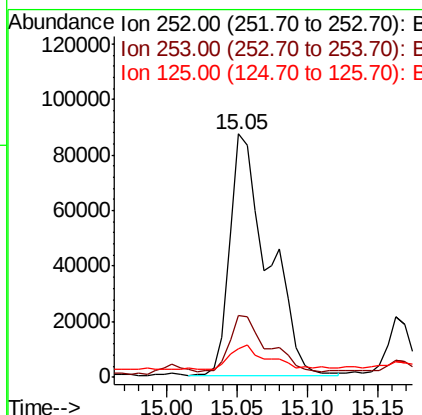
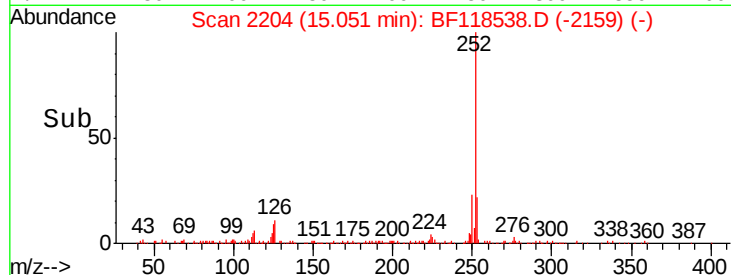
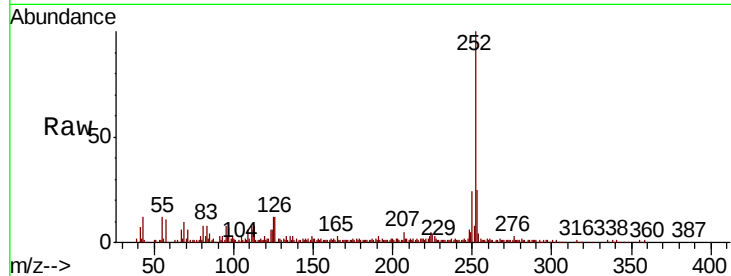




#88
Benzo(b)fluoranthene
Concen: 10.767 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

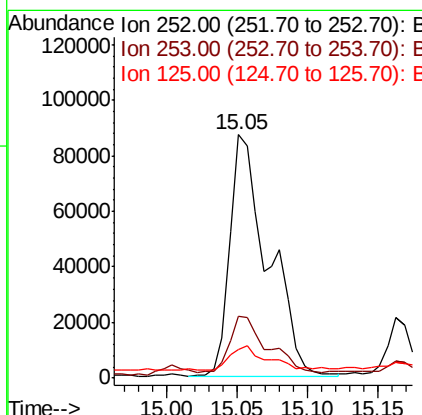
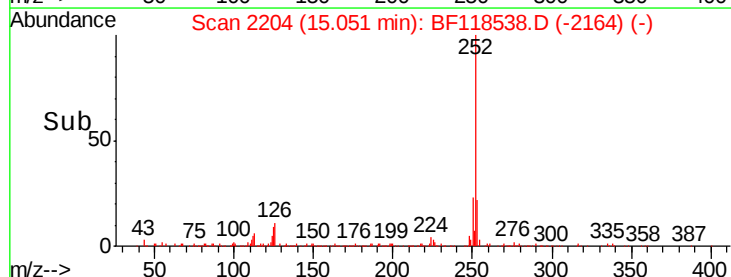
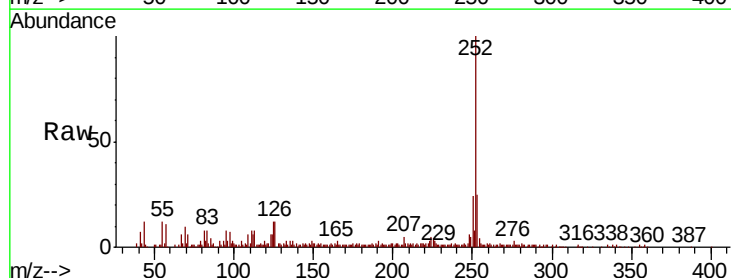
Instrument :
BNA_F
ClientSampled :

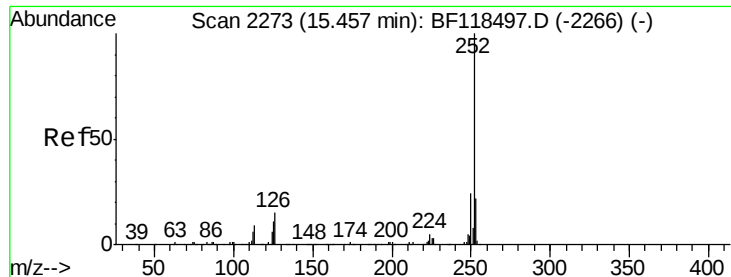
Tot Ion:252 Resp: 164109
Ion Ratio Lower Upper
252 100
253 25.4 17.6 26.4
125 11.6 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 11.280 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF118538.D
Acq: 13 Jan 2020 18:45

Tgt Ion:252 Resp: 164109
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.4
125 11.6 7.8 11.6





#90

Benzo(a)pyrene

Concen: 8.682 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.04 min

Lab File: BF118538.D

Acq: 13 Jan 2020 18:45

Instrument :

BNA_F

ClientSampleId :

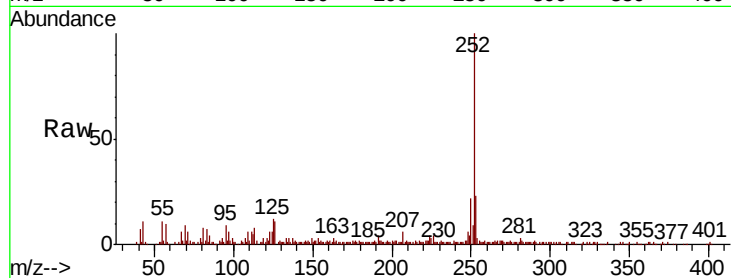
Tot Ion:252 Resp: 108441

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

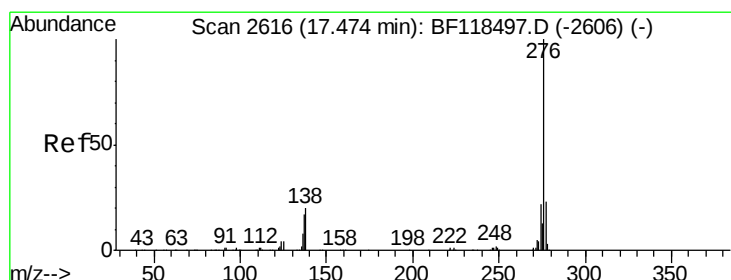
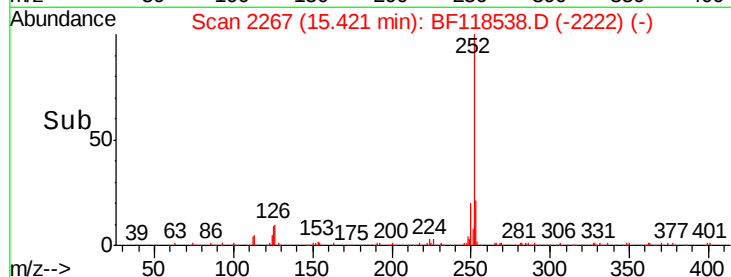
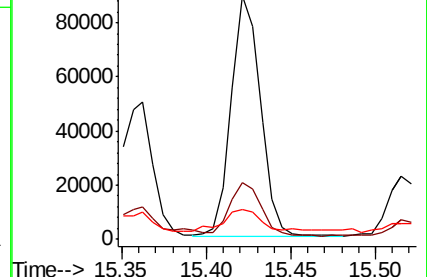
125 12.3 9.0 13.6



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



#92

Benzo(g,h,i)perylene

Concen: 3.844 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.04 min

Lab File: BF118538.D

Acq: 13 Jan 2020 18:45

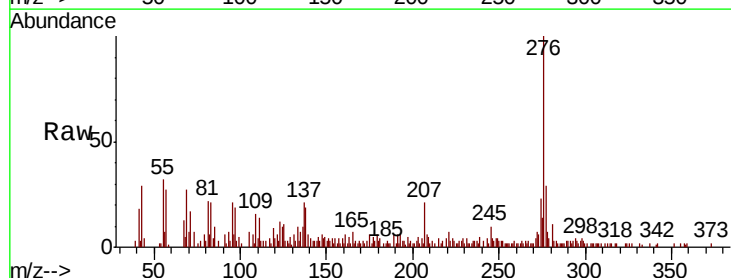
Tgt Ion:276 Resp: 42659

Ion Ratio Lower Upper

276 100

277 29.0 18.2 27.4#

138 18.9 16.3 24.5



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

