

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118539.D
 Acq On : 13 Jan 2020 19:13
 Operator : JU
 Sample : L1084-01RE 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 14 10:28:00 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

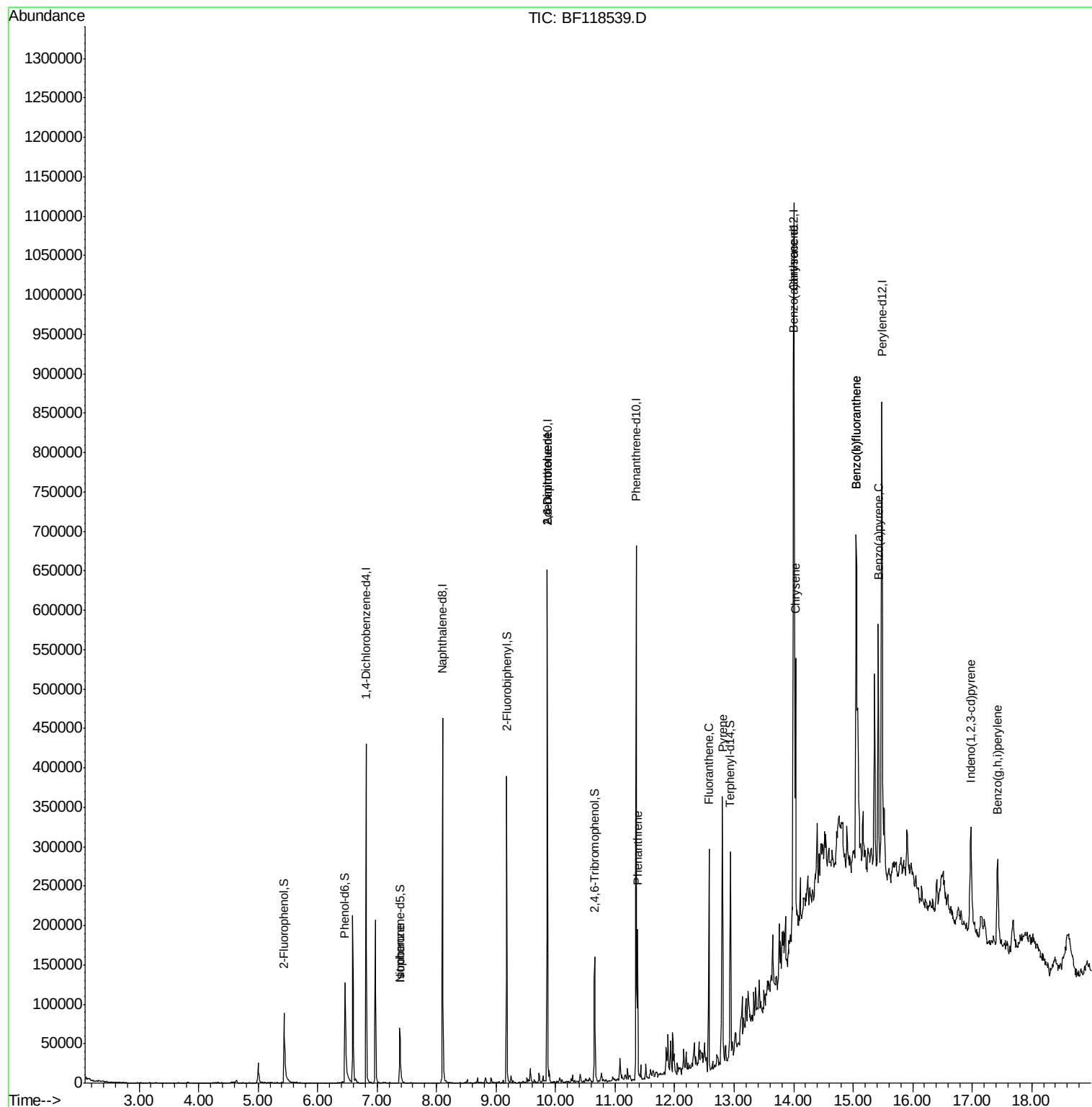
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	66197	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	209662	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	138043	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	232669	20.00	ng	-0.03
76) Chrysene-d12	14.00	240	251439	20.00	ng	-0.04
87) Perylene-d12	15.49	264	274277	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	42199	10.52	ng	0.00
7) Phenol-d6	6.46	99	72613	15.15	ng	-0.02
23) Nitrobenzene-d5	7.38	82	28028	7.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	19399	11.91	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	111091	11.54	ng	-0.03
79) Terphenyl-d14	12.94	244	84305	5.31	ng	-0.03
Target Compounds						
25) Isophorone	7.38	82	28028	4.384	ng	# 63
51) 2,6-Dinitrotoluene	9.86	165	17421	7.635	ng	# 23
57) 2,4-Dinitrotoluene	9.86	165	17421	5.702	ng	# 19
71) Phenanthrene	11.37	178	70066	5.376	ng	99
75) Fluoranthene	12.57	202	112944	8.526	ng	95
77) Benzidine	12.94	184	1493	Below Cal	#	71
78) Pyrene	12.80	202	128675	6.220	ng	98
81) Benzo(a)anthracene	13.99	228	142276	8.084	ng	98
83) Chrysene	14.03	228	145404	8.502	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	80775	5.867	ng	97
88) Benzo(b)fluoranthene	15.05	252	297126	14.984	ng	97
89) Benzo(k)fluoranthene	15.05	252	297126	15.698	ng	96
90) Benzo(a)pyrene	15.42	252	144288	8.879	ng	97
92) Benzo(a,h,i)perylene	17.43	276	79008	5.472	ng	99

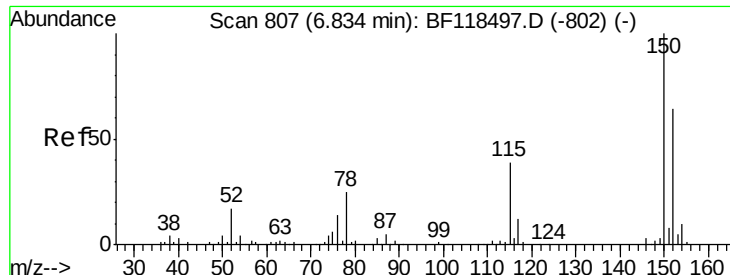
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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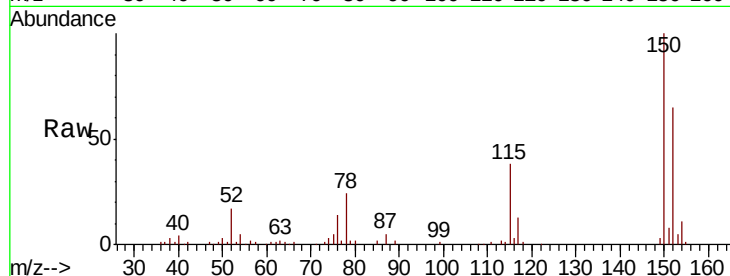


#1

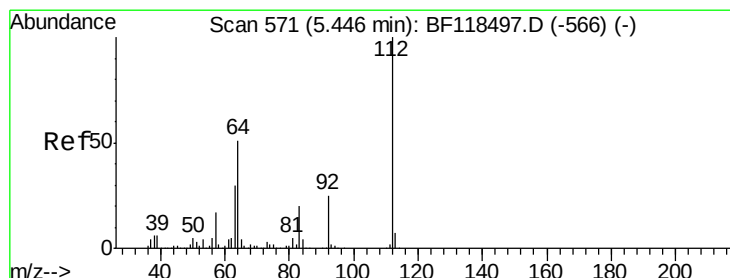
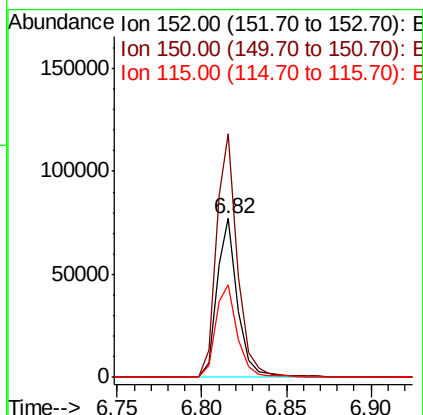
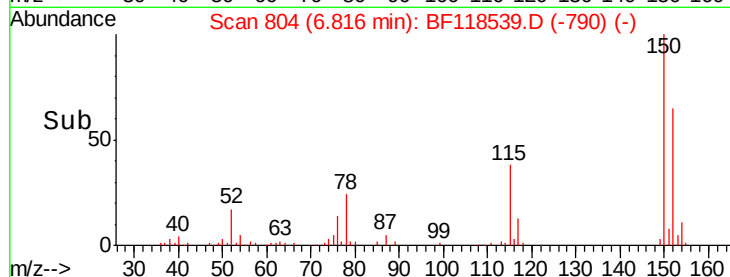
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66197
Ion Ratio Lower Upper
152 100
150 153.6 124.7 187.1
115 58.3 49.0 73.6



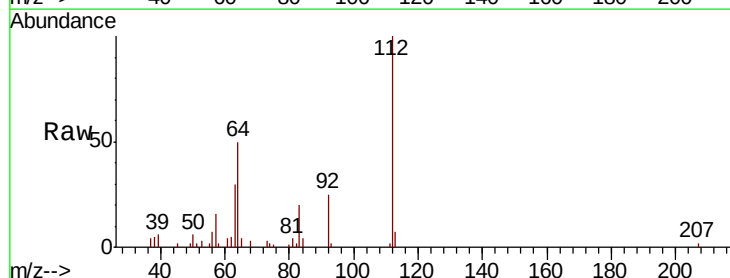
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



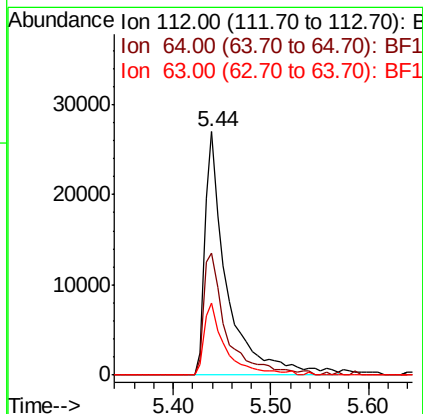
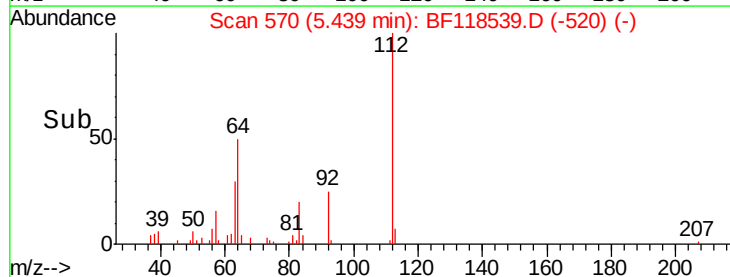
#5

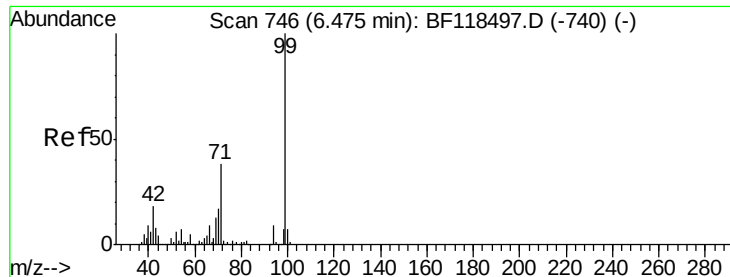
2-Fluorophenol
Concen: 10.523 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion:112 Resp: 42199
Ion Ratio Lower Upper
112 100
64 50.3 41.1 61.7
63 29.7 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: 15.146 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Instrument :

BNA_F

ClientSampleId :

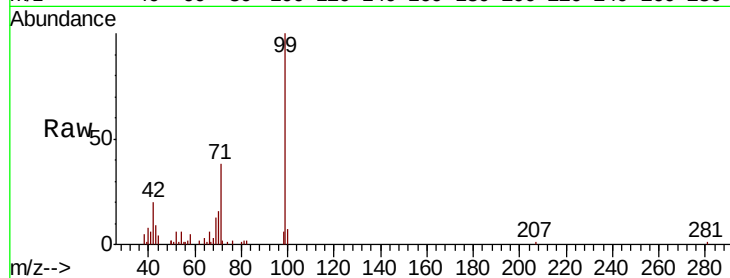
Tot Ion: 99 Resp: 72613

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

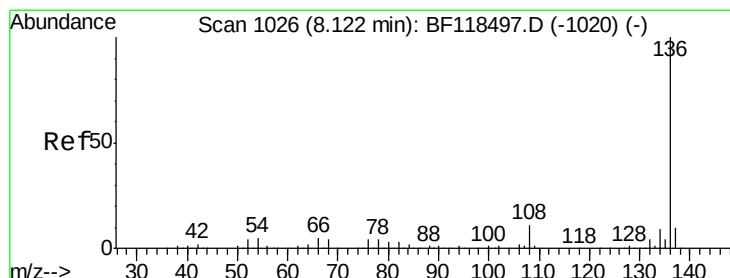
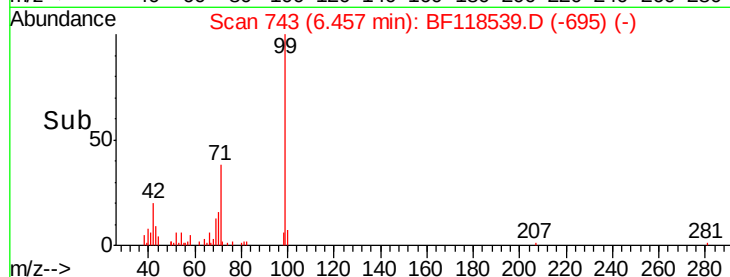
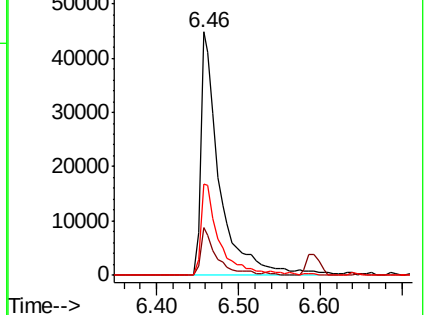
71 37.6 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Tgt Ion: 136 Resp: 209662

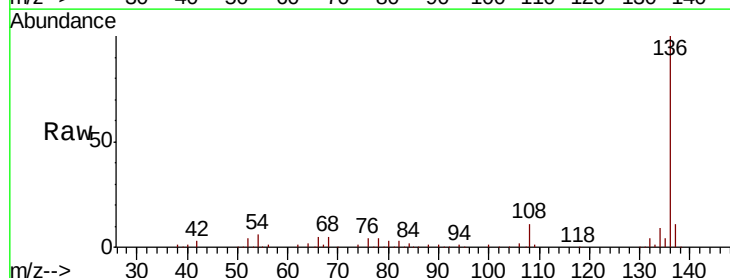
Ion Ratio Lower Upper

136 100

137 11.2 8.3 12.5

54 6.1 4.2 6.2

68 4.8 3.3 4.9

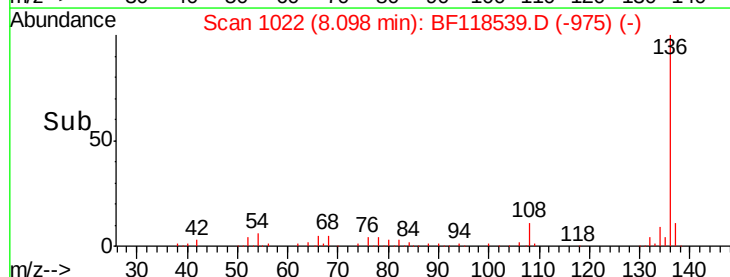
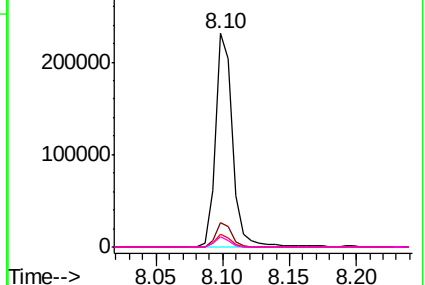


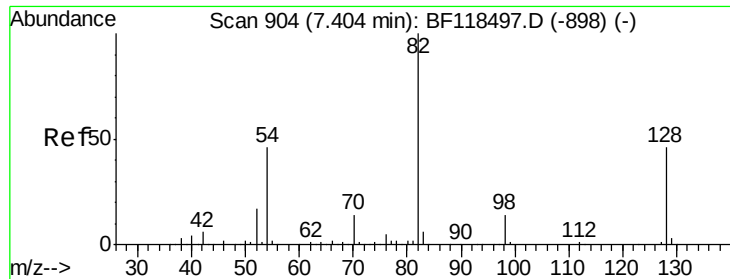
Abundance Ion 136.00 (135.70 to 136.70): E

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

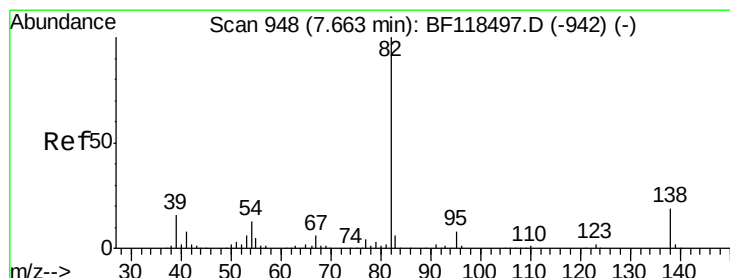
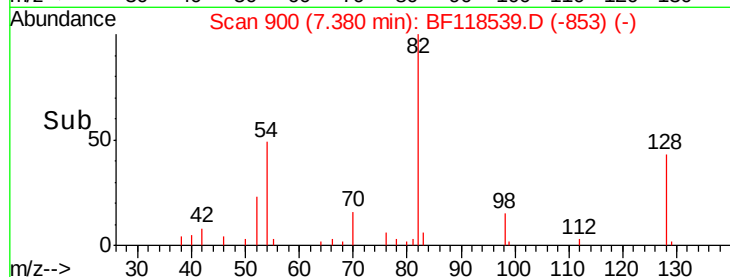
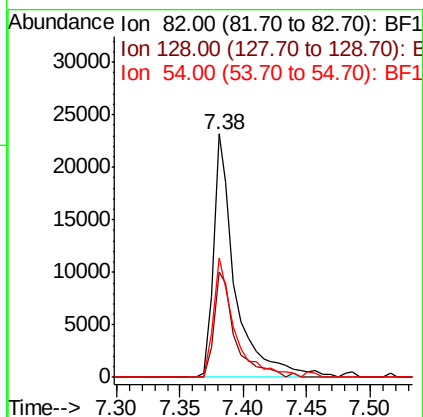
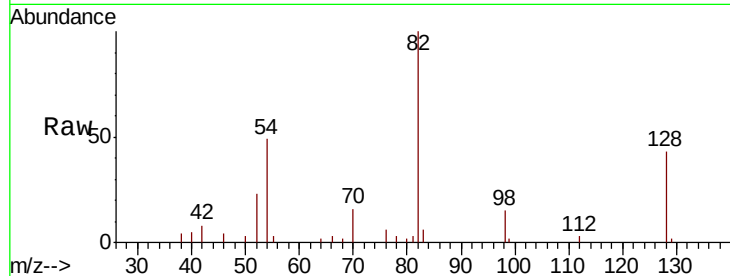




#23
 Nitrobenzene-d5
 Concen: 7.022 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: BF118539.D
 Acq: 13 Jan 2020 19:13

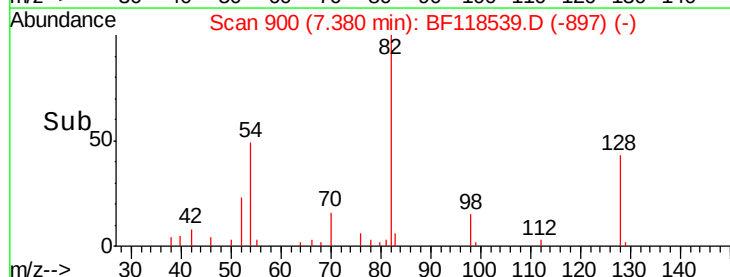
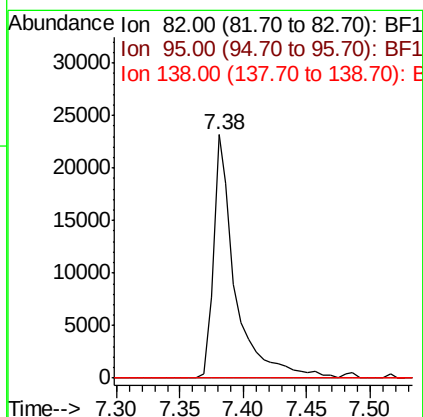
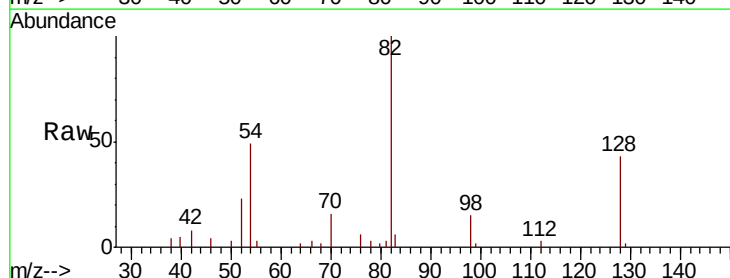
Instrument :
 BNA_F
 ClientSampleId :

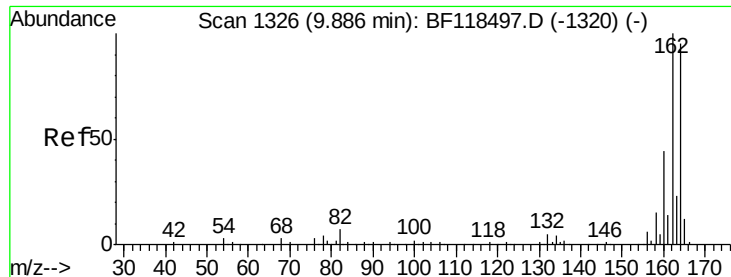
Tot Ion	82	Resp	28028
Ion Ratio	Lower	Upper	
82	100		
128	43.4	36.6	54.8
54	49.0	37.0	55.6



#25
 Isophorone
 Concen: 4.384 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.28 min
 Lab File: BF118539.D
 Acq: 13 Jan 2020 19:13

Tgt Ion	82	Resp	28028
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.6	9.8#
138	0.0	15.4	23.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Instrument :

BNA_F

ClientSampleId :

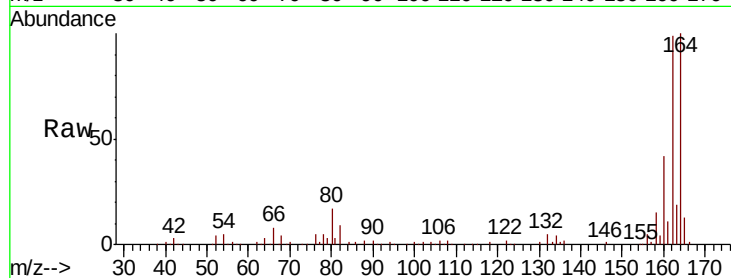
Tot Ion:164 Resp: 138043

Ion Ratio Lower Upper

164 100

162 99.1 84.2 126.4

160 41.9 36.8 55.2

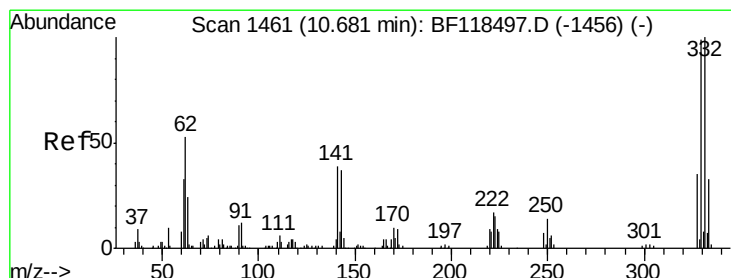
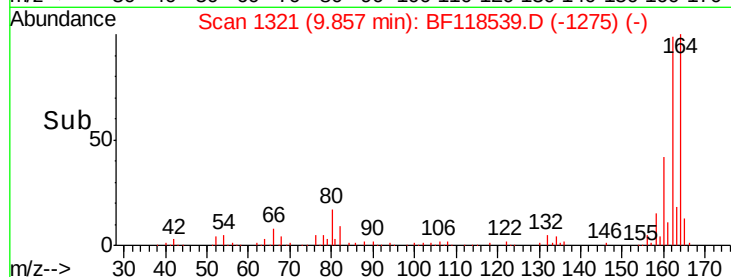
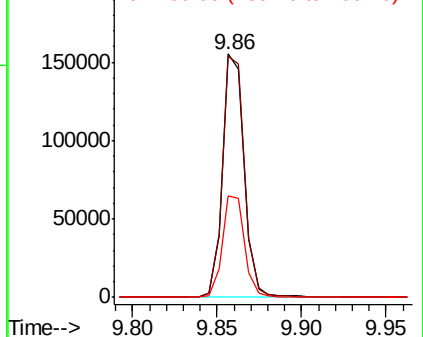


Abundance

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: 11.909 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

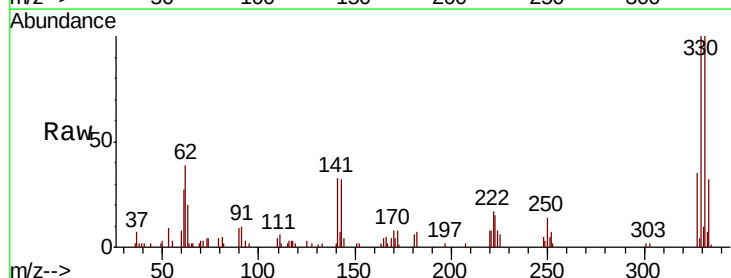
Tgt Ion:330 Resp: 19399

Ion Ratio Lower Upper

330 100

332 101.2 77.9 116.9

141 38.4 28.6 43.0

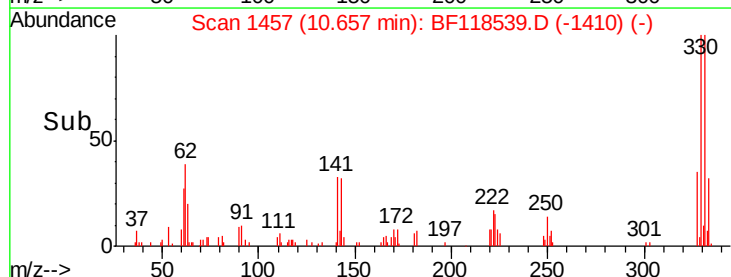
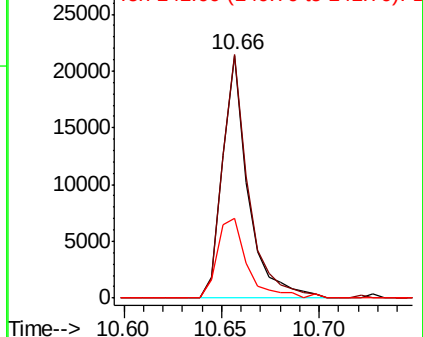


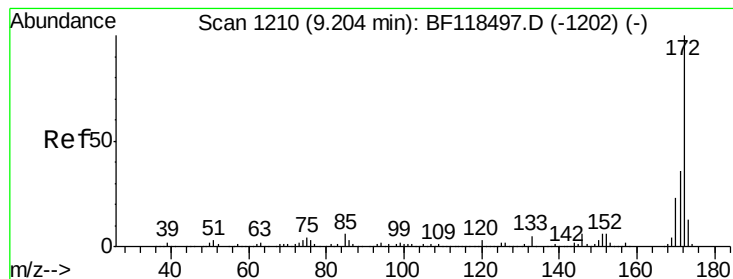
Abundance

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: 11.542 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Instrument :

BNA_F

ClientSampleId :

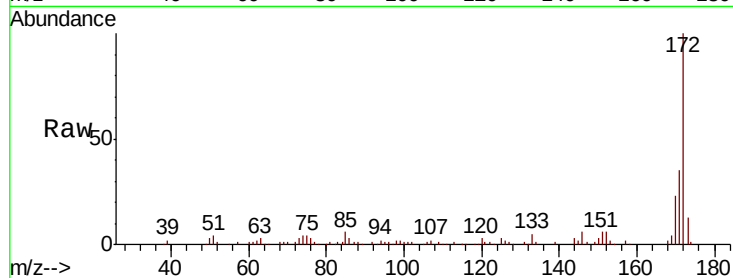
Tot Ion:172 Resp: 111091

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

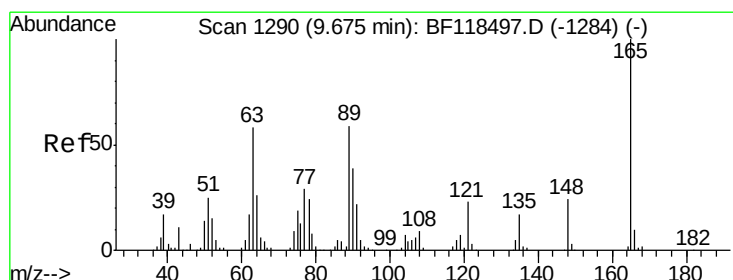
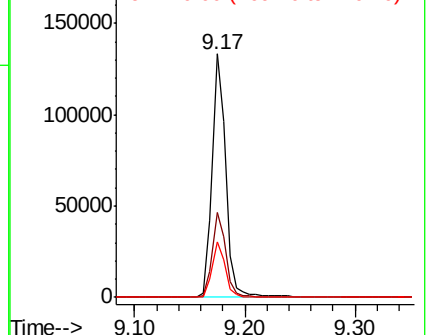
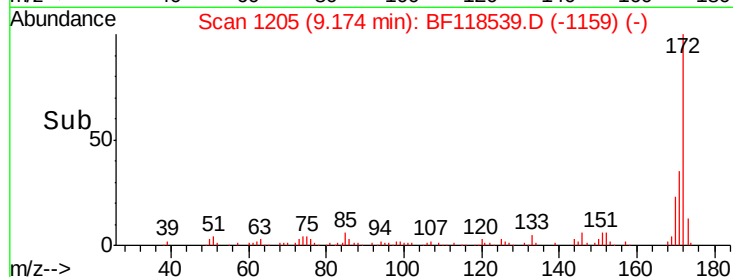
170 22.7 18.6 27.8



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



#51

2,6-Dinitrotoluene

Concen: 7.635 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.18 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

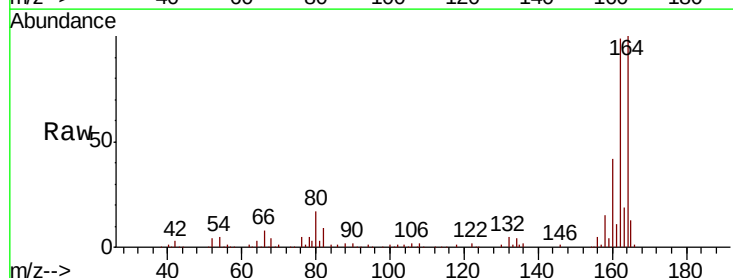
Tgt Ion:165 Resp: 17421

Ion Ratio Lower Upper

165 100

63 1.8 46.6 70.0#

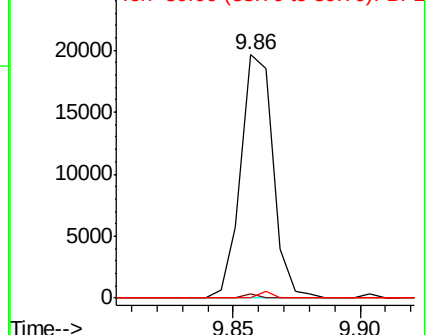
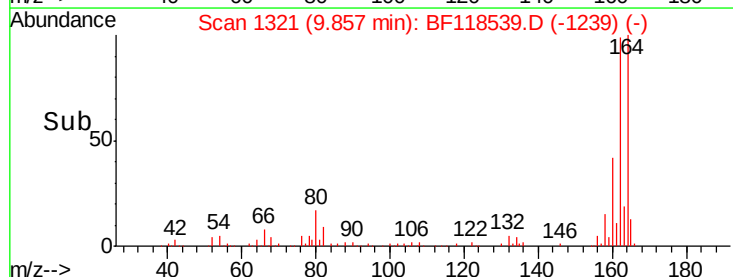
89 0.0 47.5 71.3#

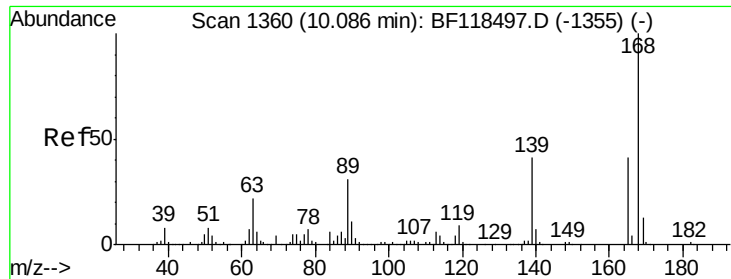


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

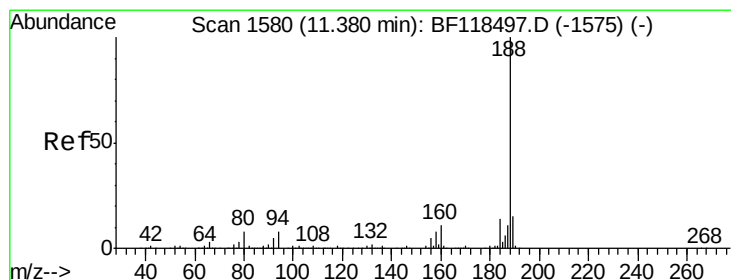
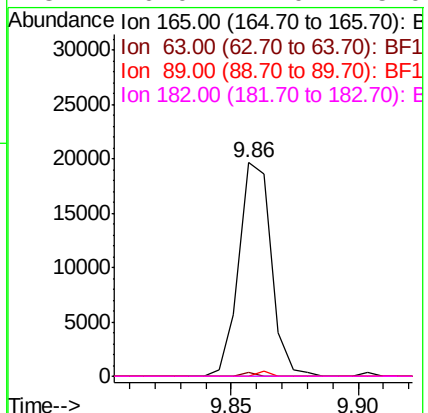
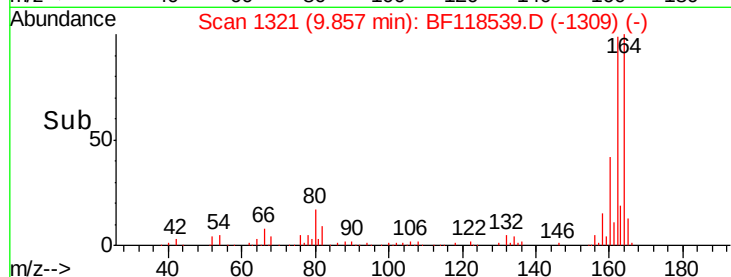
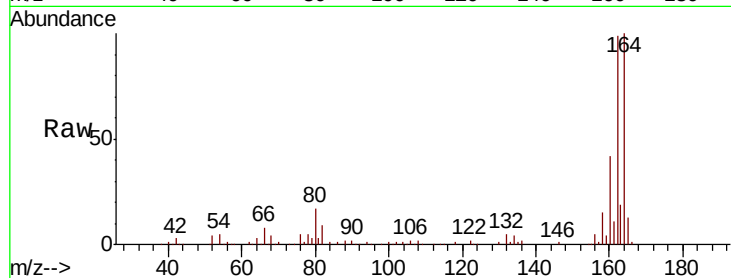




#57
 2,4-Dinitrotoluene
 Concen: 5.702 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.23 min
 Lab File: BF118539.D
 Acq: 13 Jan 2020 19:13

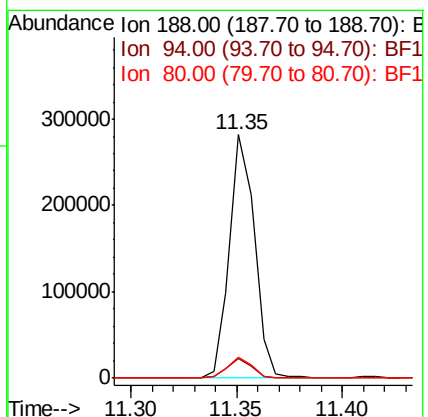
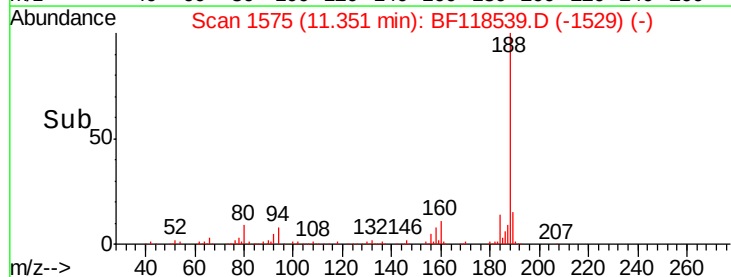
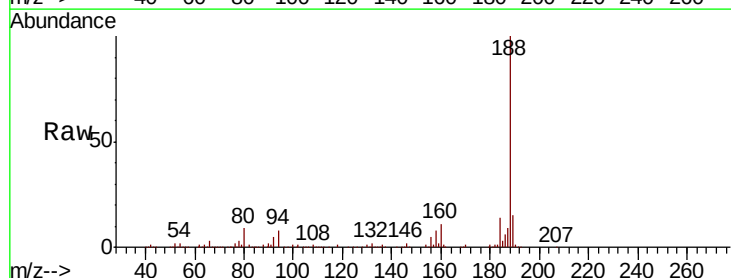
Instrument :
 BNA_F
 ClientSampleId :

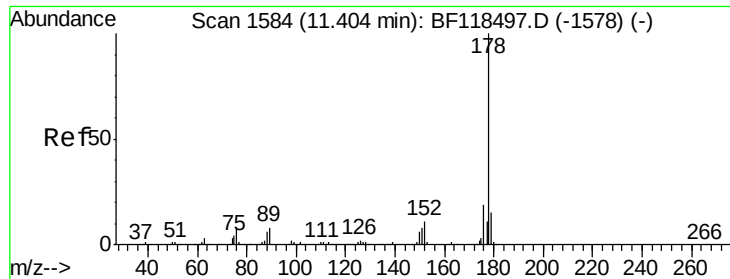
Tot Ion:165 Resp: 17421
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.1 66.1#
 89 0.0 60.4 90.6#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.03 min
 Lab File: BF118539.D
 Acq: 13 Jan 2020 19:13

Tgt Ion:188 Resp: 232669
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.2 9.4
 80 8.5 6.6 10.0

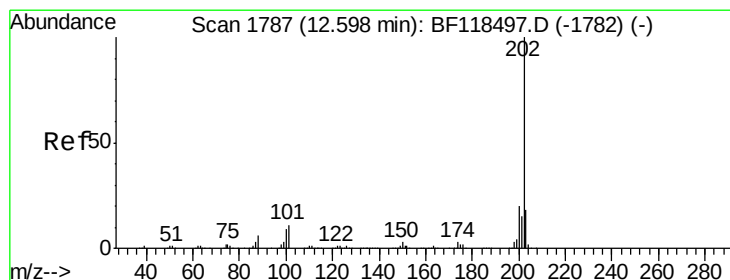
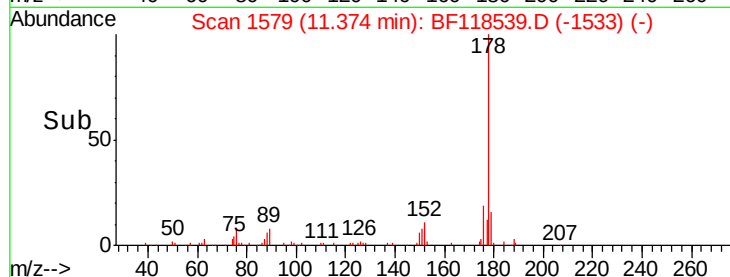
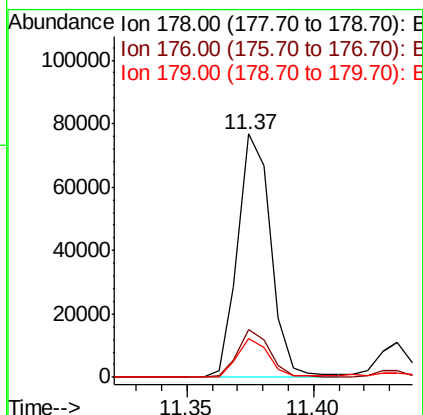
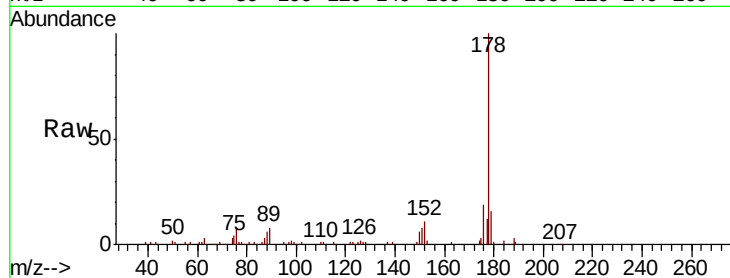




#71
Phenanthrene
Concen: 5.376 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

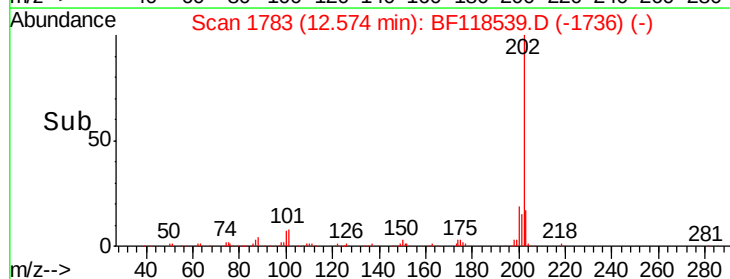
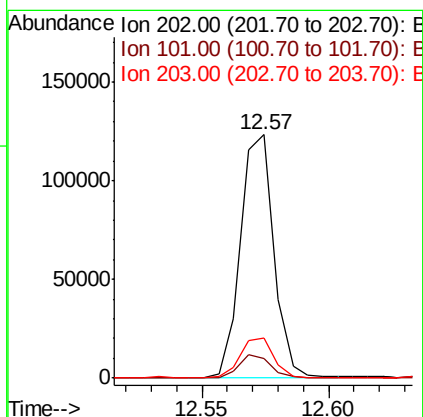
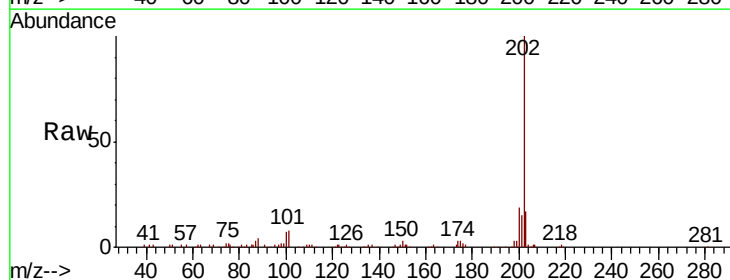
Instrument :
BNA_F
ClientSampled :

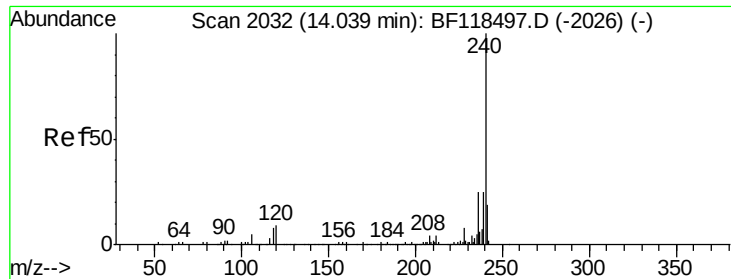
Tot Ion:178 Resp: 70066
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.7 12.3 18.5



#75
Fluoranthene
Concen: 8.526 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.02 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion:202 Resp: 112944
Ion Ratio Lower Upper
202 100
101 8.2 0.0 31.4
203 16.7 0.0 38.1

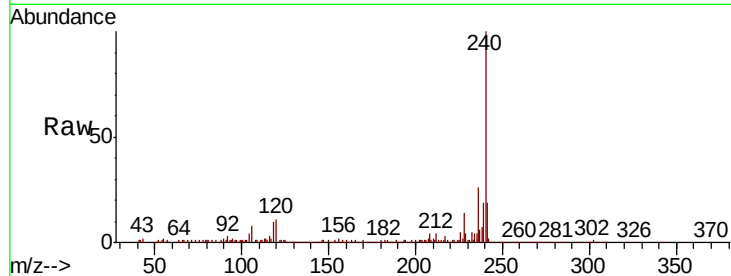




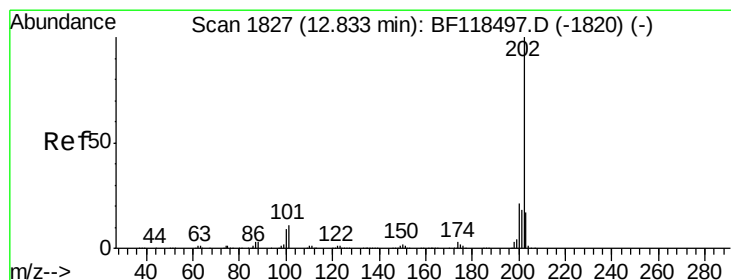
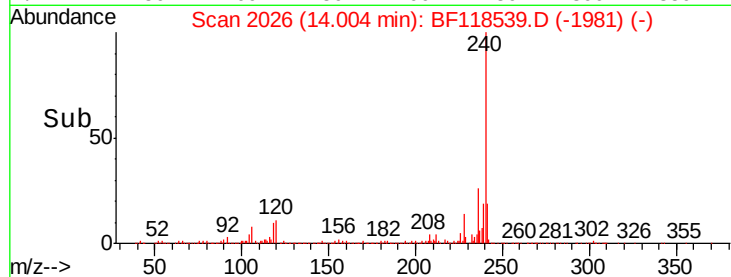
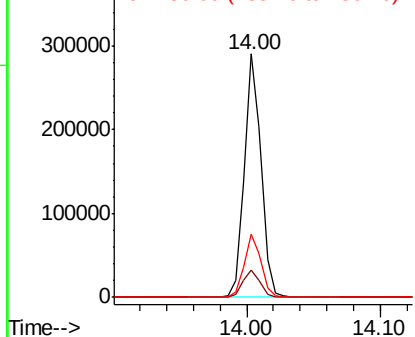
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 251439
Ion Ratio Lower Upper
240 100
120 11.1 7.0 10.6#
236 25.7 20.1 30.1

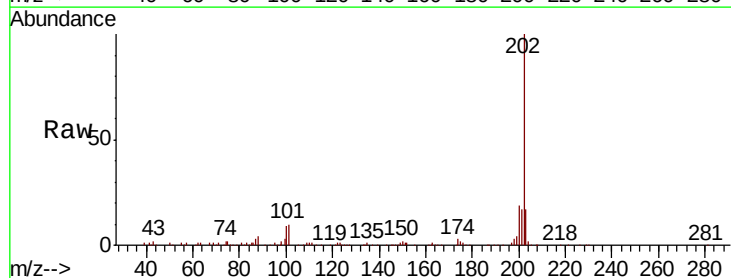


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

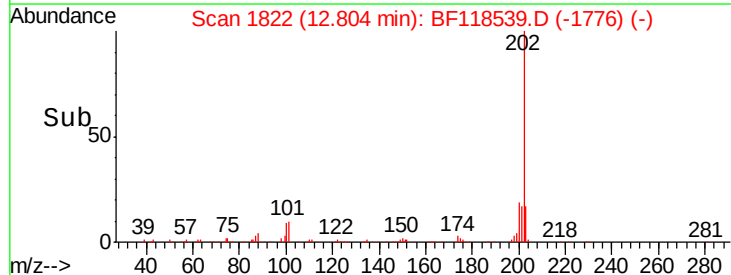
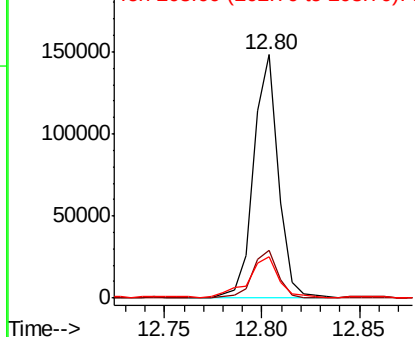


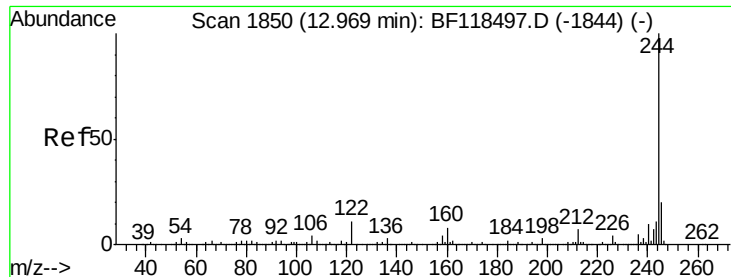
#78
Pyrene
Concen: 6.220 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion:202 Resp: 128675
Ion Ratio Lower Upper
202 100
200 19.5 16.9 25.3
203 17.0 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: 5.313 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.03 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Instrument :

BNA_F

ClientSampleId :

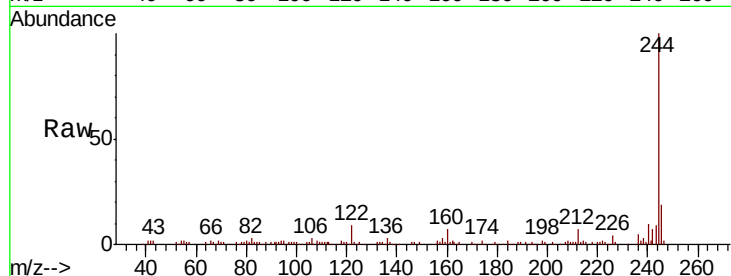
Tot Ion:244 Resp: 84305

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

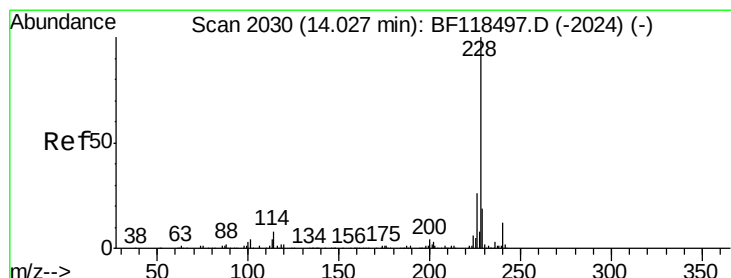
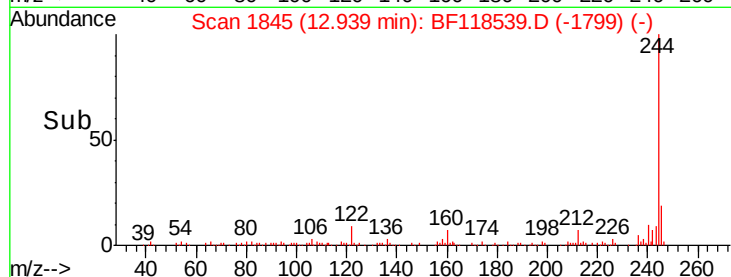
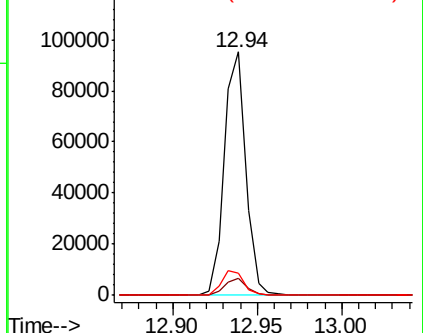
122 9.2 9.0 13.6



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: 8.084 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.04 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

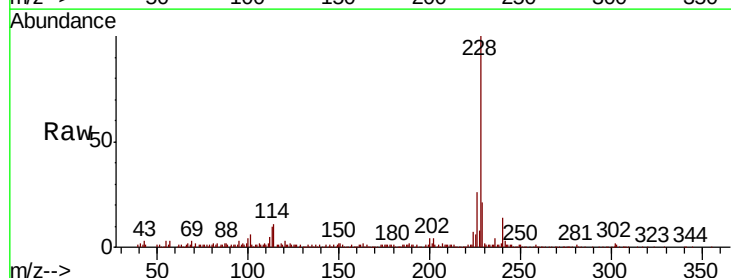
Tgt Ion:228 Resp: 142276

Ion Ratio Lower Upper

228 100

226 26.4 20.7 31.1

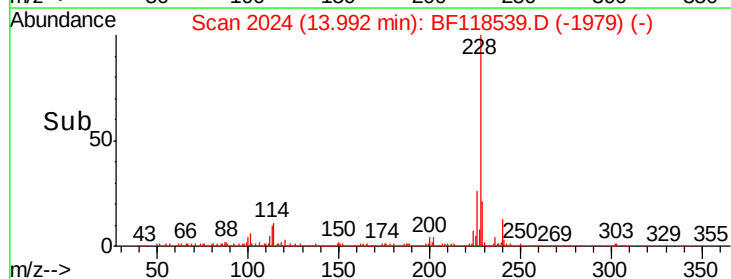
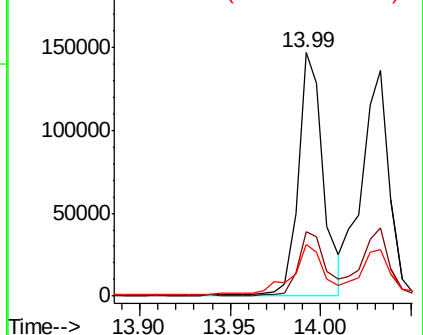
229 21.0 15.4 23.2

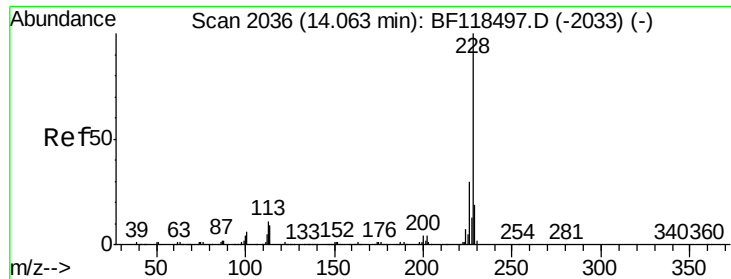


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

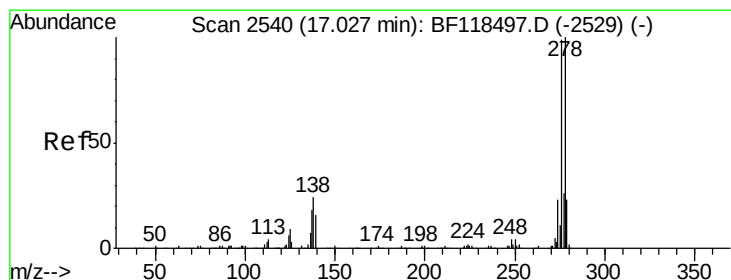
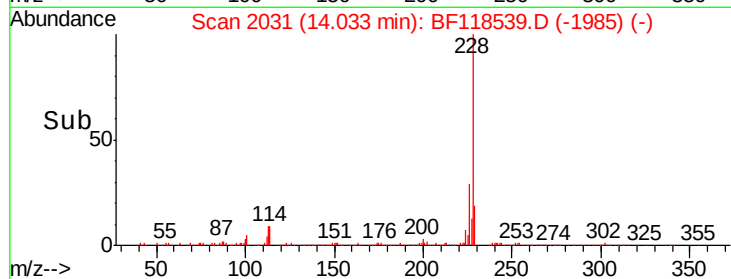
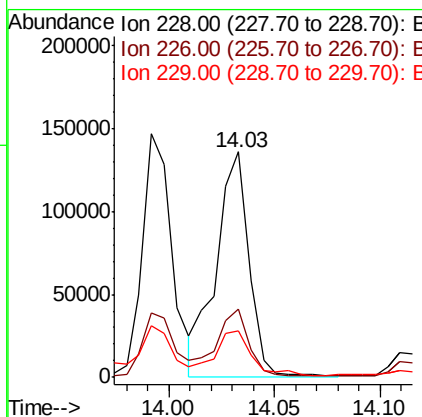
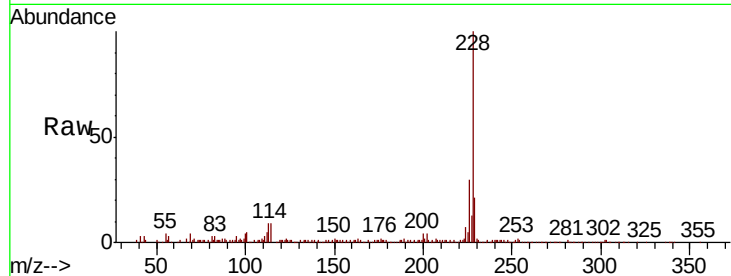




#83
Chrysene
Concen: 8.502 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

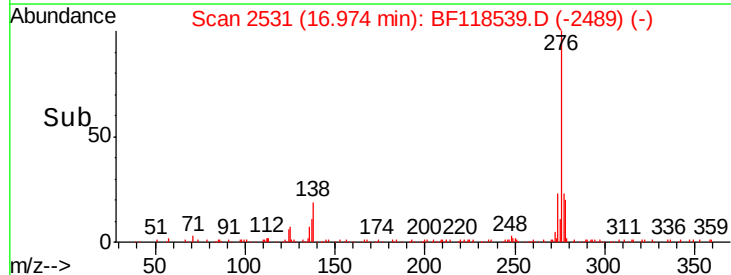
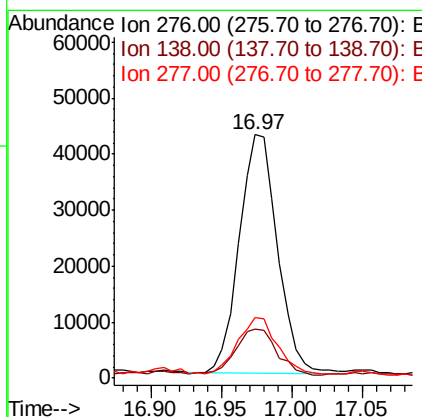
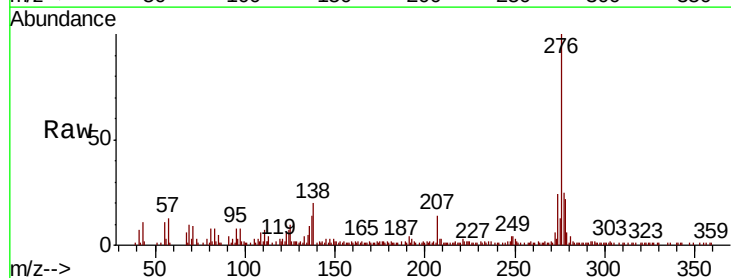
Instrument :
BNA_F
ClientSampleId :

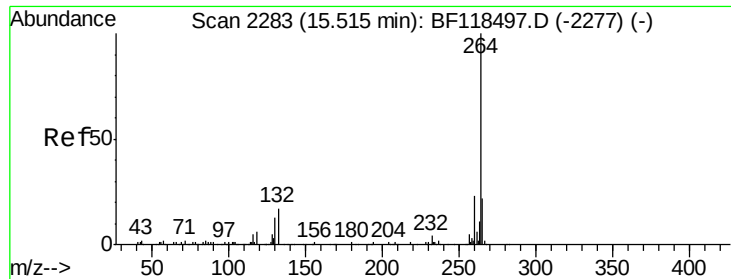
Tot Ion:228	Resp: 145404
Ion Ratio	Lower Upper
228 100	
226 30.2	23.6 35.4
229 20.5	15.6 23.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.867 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt	Ion:276	Resp:	80775
Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.0	28.4
277	25.6	20.5	30.7

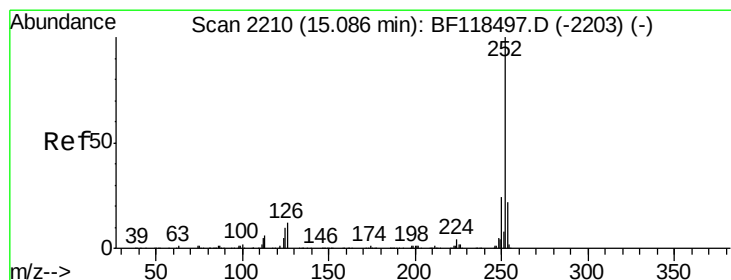
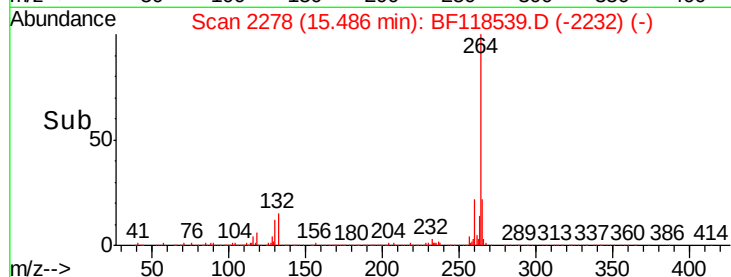
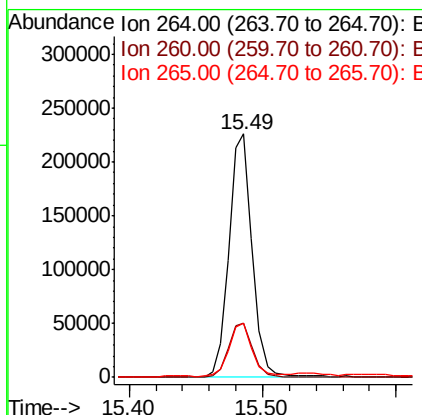
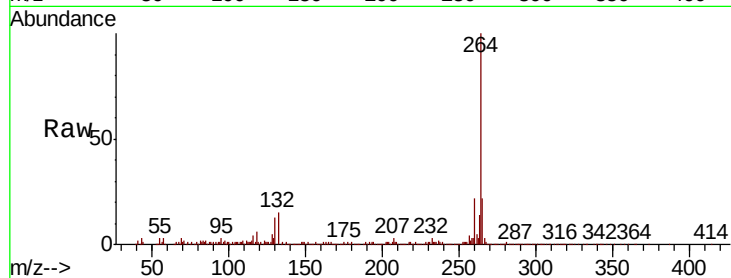




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.03 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

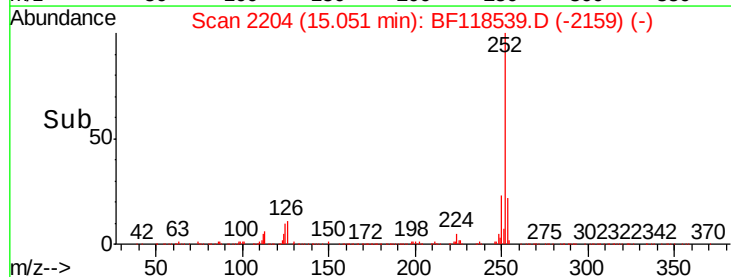
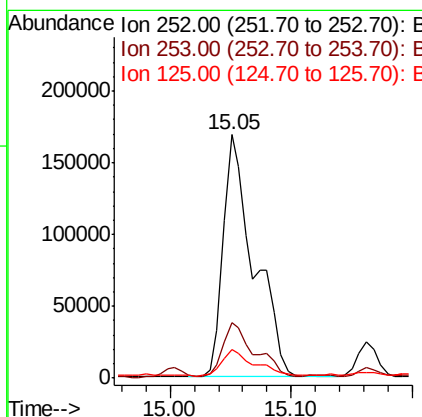
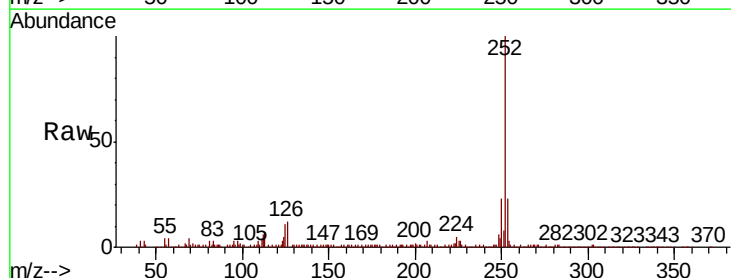
Instrument :
BNA_F
ClientSampleId :

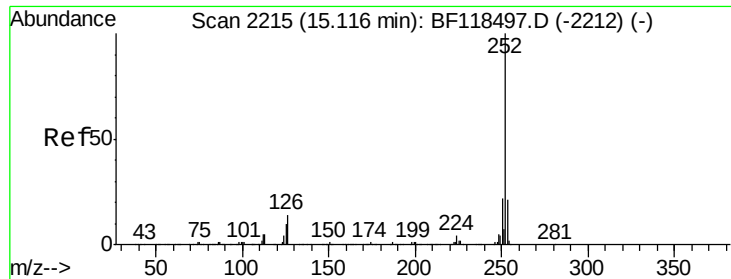
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.8	28.2
265	22.4	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 14.984 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	11.5	7.8	11.6

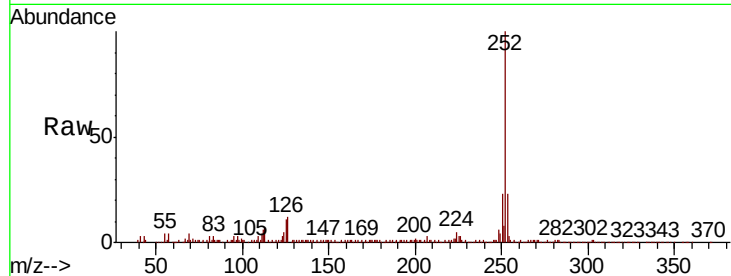




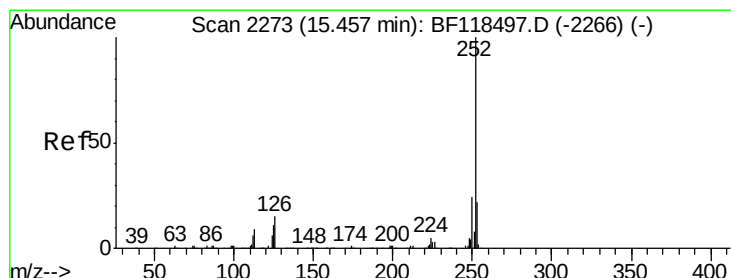
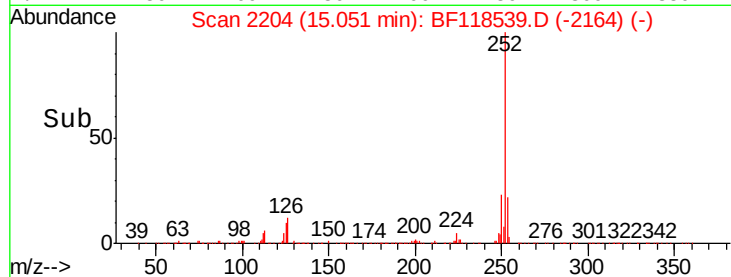
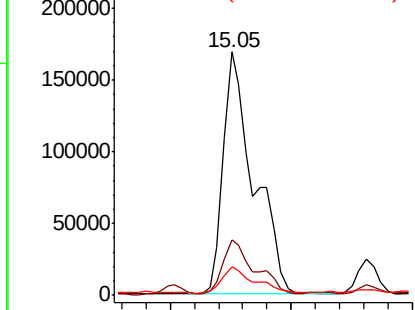
#89
Benzo(k)fluoranthene
Concen: 15.698 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	11.5	7.8	11.6

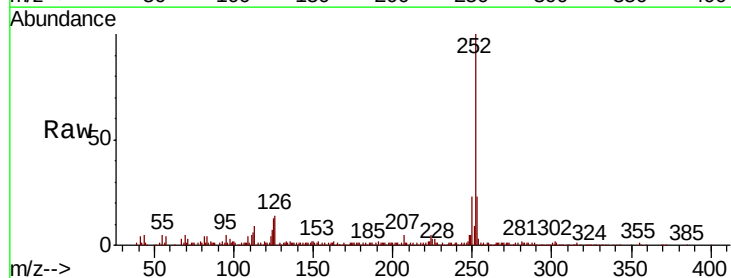


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

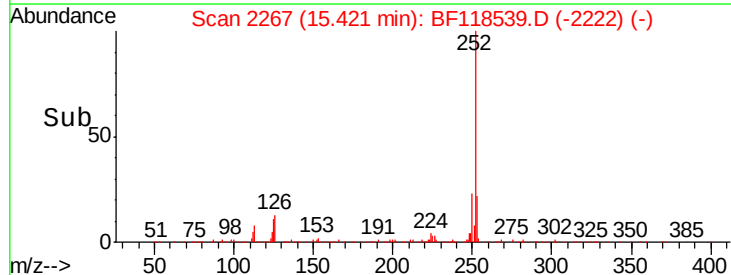
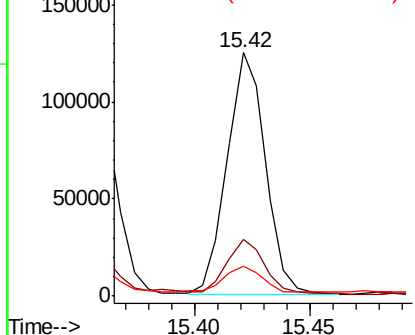


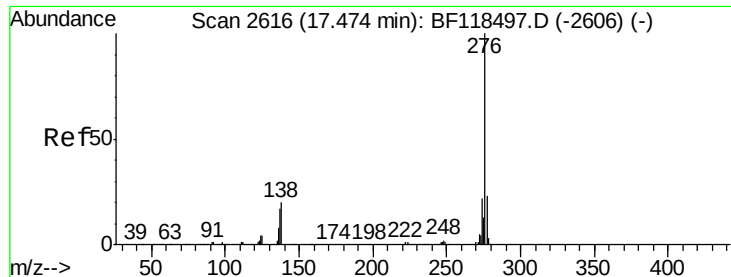
#90
Benzo(a)pyrene
Concen: 8.879 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.04 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	12.5	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(a,h,i)perylene
 Concen: 5.472 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.05 min
 Lab File: BF118539.D
 Acq: 13 Jan 2020 19:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 79008
 Ion Ratio Lower Upper
 276 100
 277 22.5 18.2 27.4
 138 21.5 16.3 24.5

