

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118540.D
 Acq On : 13 Jan 2020 19:41
 Operator : JU
 Sample : L1068-02RE 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 14 10:28:17 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

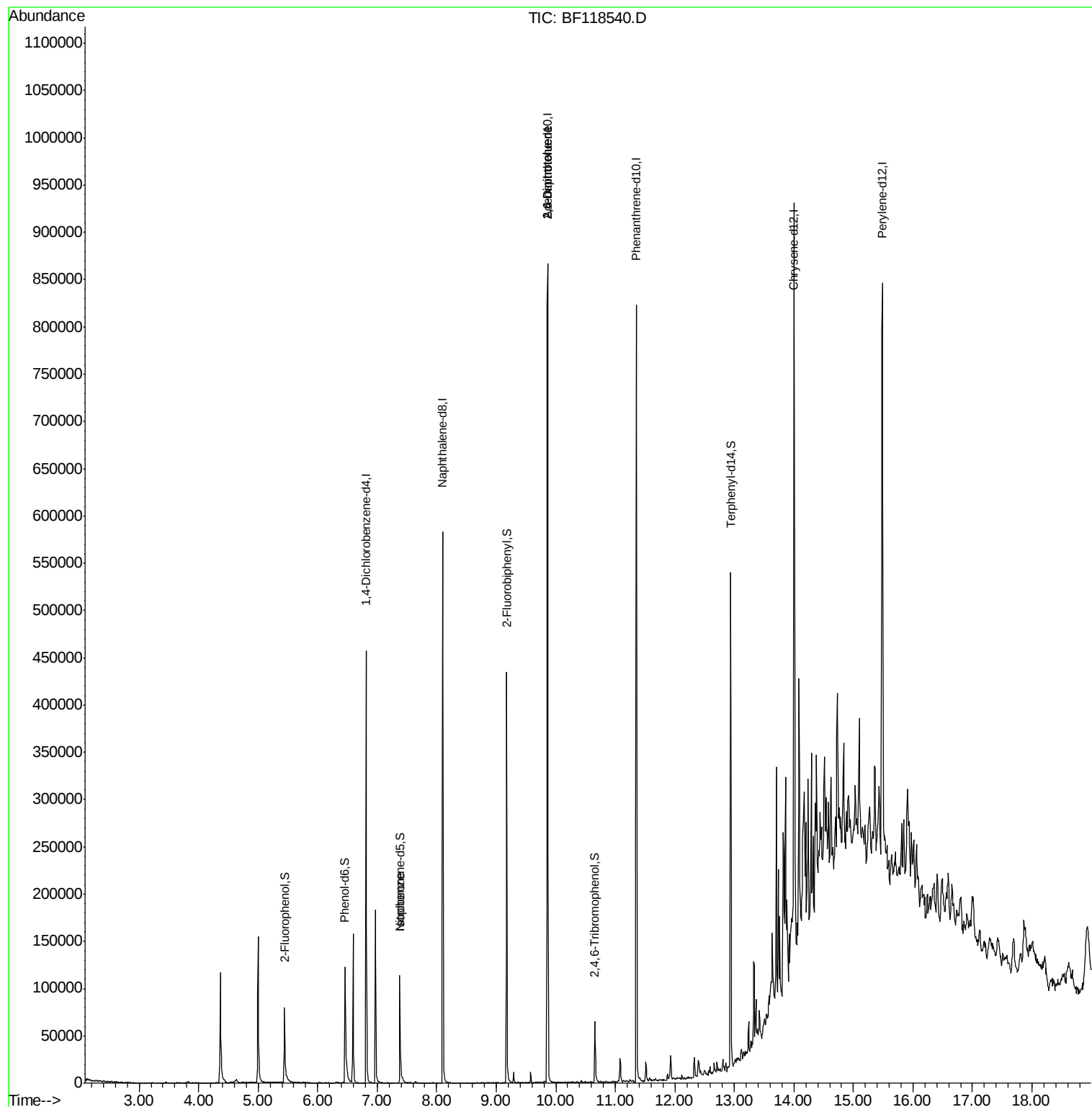
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	70823	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	252531	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	179858	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	306724	20.00	ng	-0.03
76) Chrysene-d12	14.00	240	248366	20.00	ng	-0.04
87) Perylene-d12	15.49	264	281369	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	31343	7.31	ng	0.00
7) Phenol-d6	6.46	99	61794	12.05	ng	-0.02
23) Nitrobenzene-d5	7.38	82	43202	8.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	10090	4.75	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	133782	10.67	ng	-0.03
79) Terphenyl-d14	12.94	244	168603	10.76	ng	-0.03
Target Compounds						
25) Isophorone	7.38	82	43202	5.610	ng	# 63
51) 2,6-Dinitrotoluene	9.86	165	22807	7.672	ng	# 22
57) 2,4-Dinitrotoluene	9.86	165	22807	5.730	ng	# 19
77) Benzidine	12.94	184	1948	Below Cal		# 71

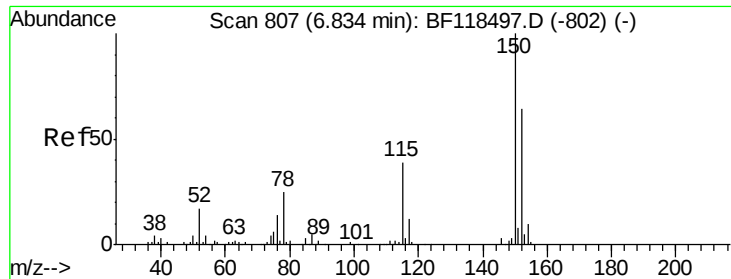
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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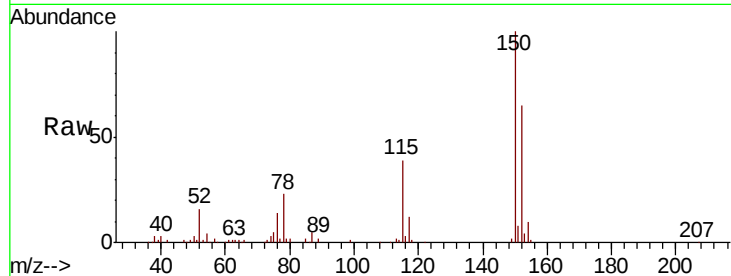


#1

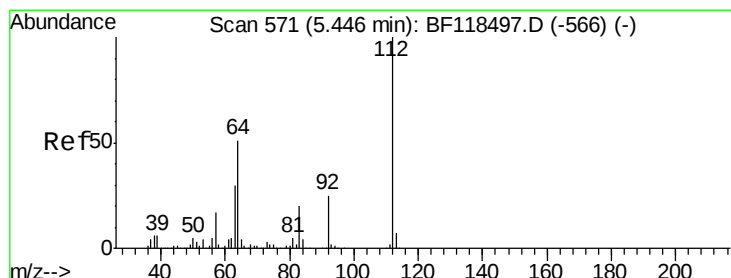
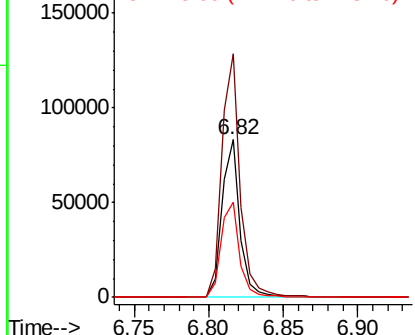
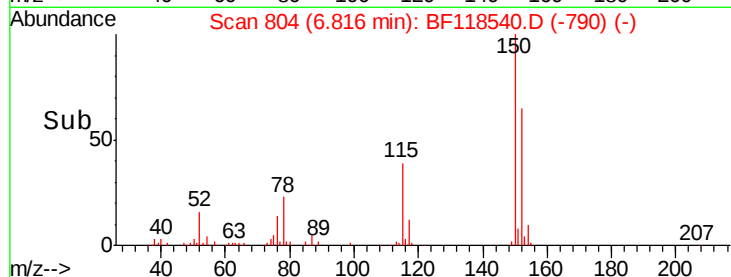
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118540.D
Acq: 13 Jan 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70823
Ion Ratio Lower Upper
152 100
150 154.9 124.7 187.1
115 60.9 49.0 73.6



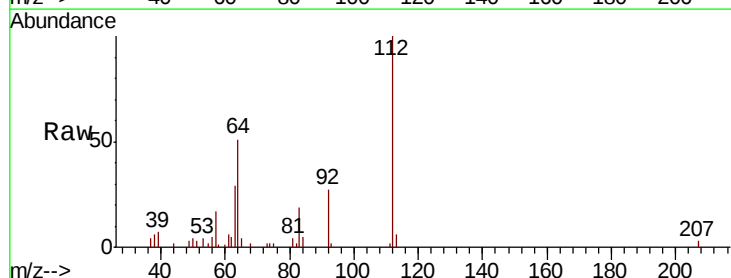
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



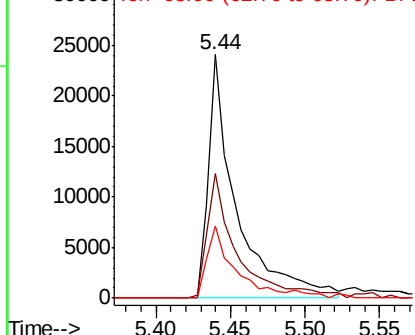
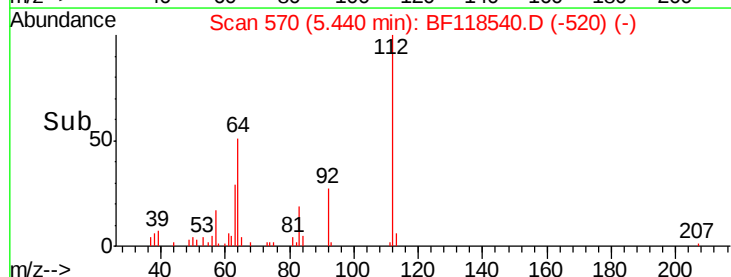
#5

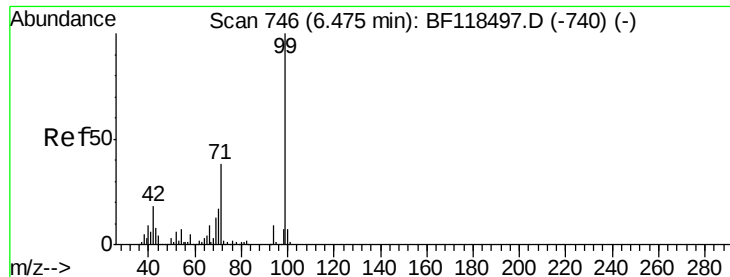
2-Fluorophenol
Concen: 7.305 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF118540.D
Acq: 13 Jan 2020 19:41

Tgt Ion:112 Resp: 31343
Ion Ratio Lower Upper
112 100
64 51.4 41.1 61.7
63 29.4 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: 12.047 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF118540.D

Acq: 13 Jan 2020 19:41

Instrument :

BNA_F

ClientSampled :

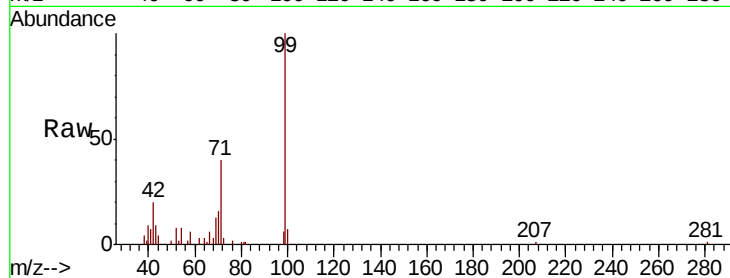
Tot Ion: 99 Resp: 61794

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

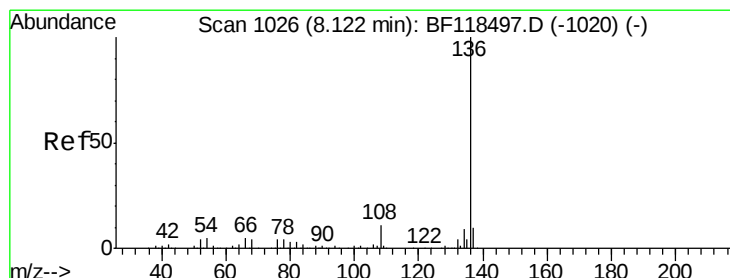
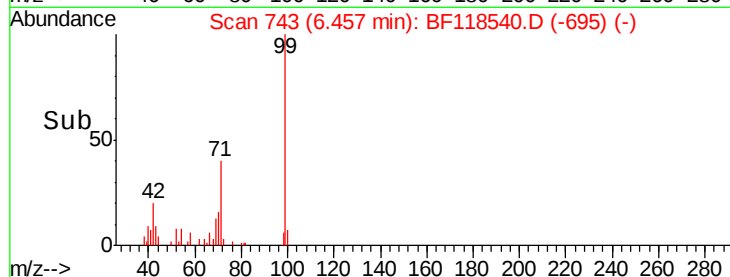
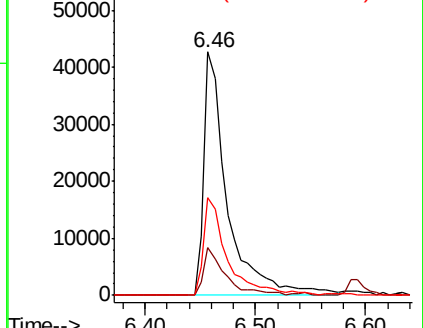
71 40.0 30.6 45.8



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: BF118540.D

Acq: 13 Jan 2020 19:41

Tgt Ion: 136 Resp: 252531

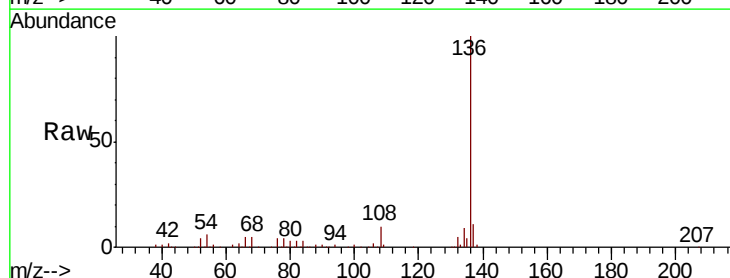
Ion Ratio Lower Upper

136 100

137 11.5 8.3 12.5

54 5.8 4.2 6.2

68 4.5 3.3 4.9

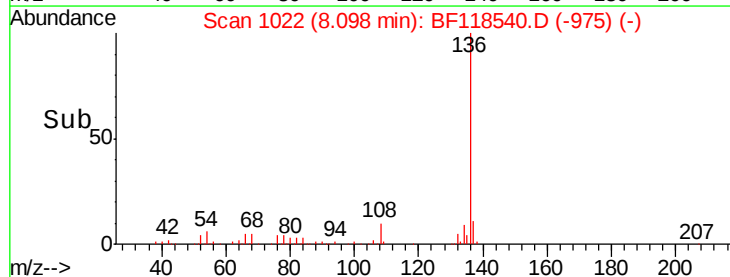
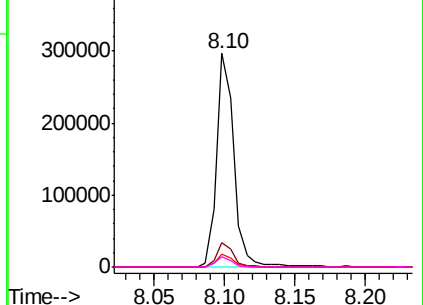


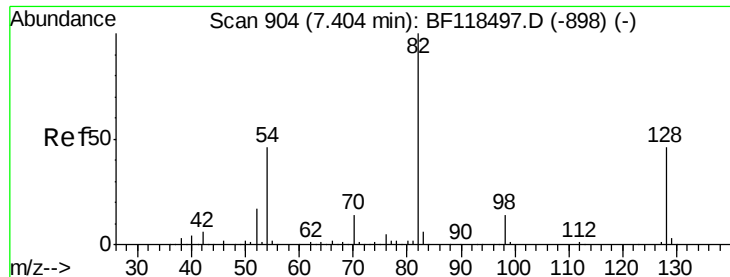
Abundance Ion 136.00 (135.70 to 136.70): E

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

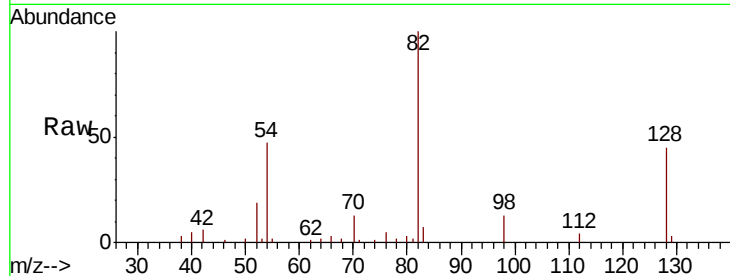




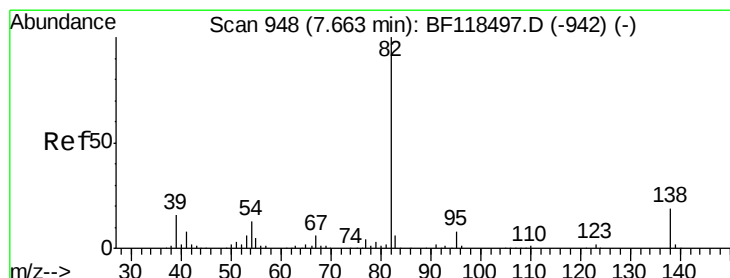
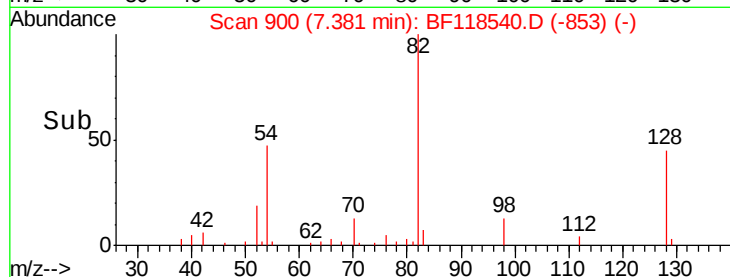
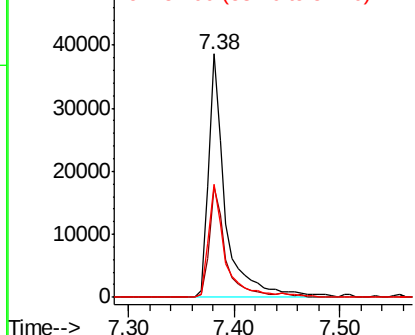
#23
Nitrobenzene-d5
Concen: 8.987 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118540.D
Acq: 13 Jan 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 43202
Ion Ratio Lower Upper
82 100
128 45.3 36.6 54.8
54 46.6 37.0 55.6

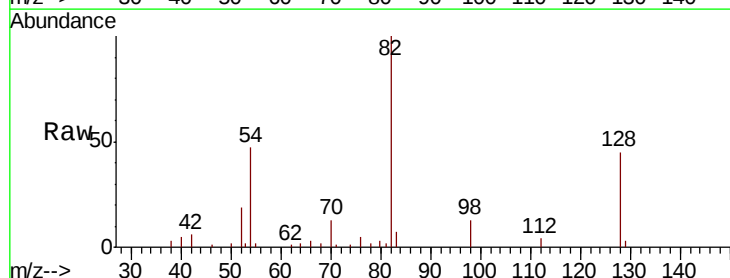


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

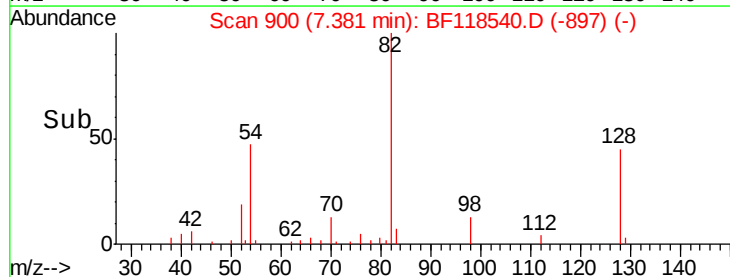
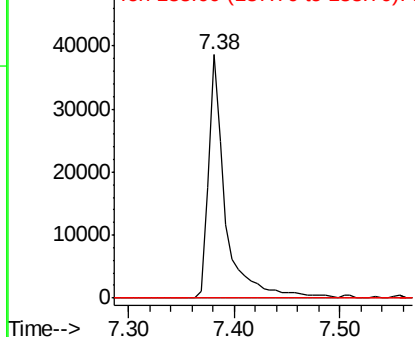


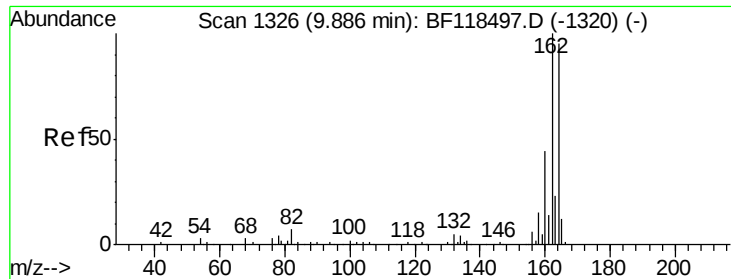
#25
Isophorone
Concen: 5.610 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.28 min
Lab File: BF118540.D
Acq: 13 Jan 2020 19:41

Tgt Ion: 82 Resp: 43202
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

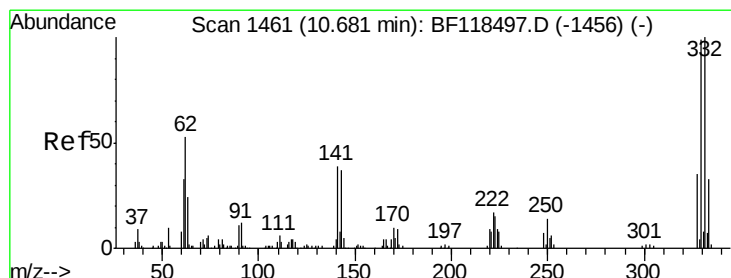
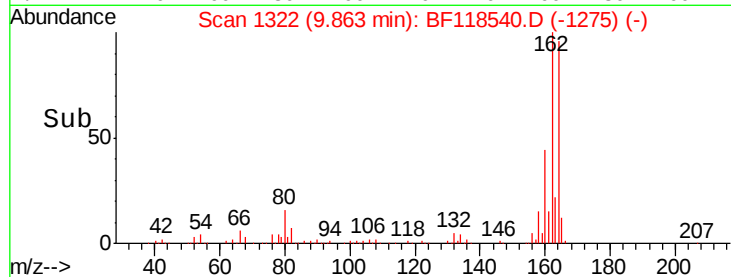
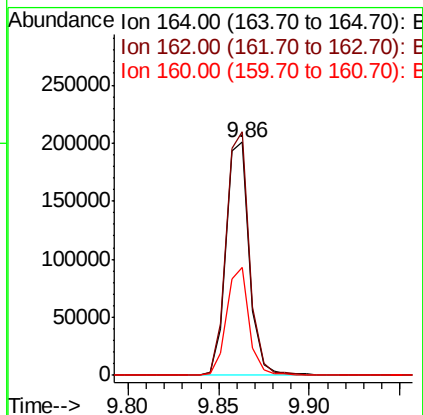
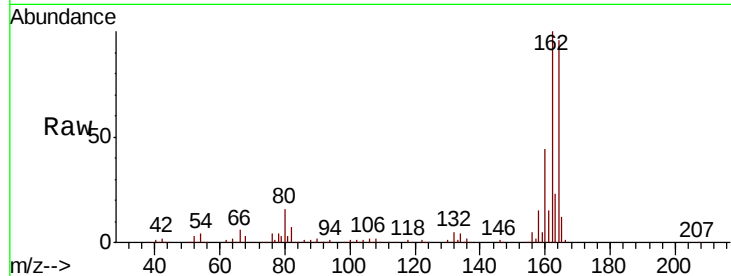




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF118540.D
 Acq: 13 Jan 2020 19:41

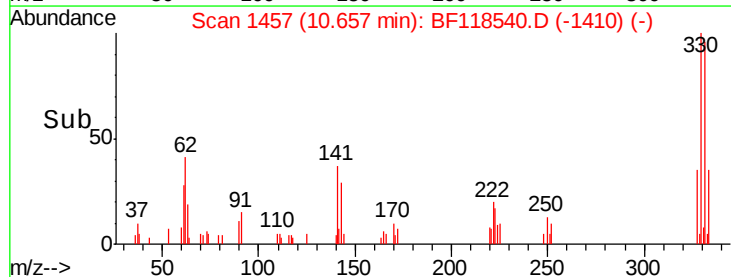
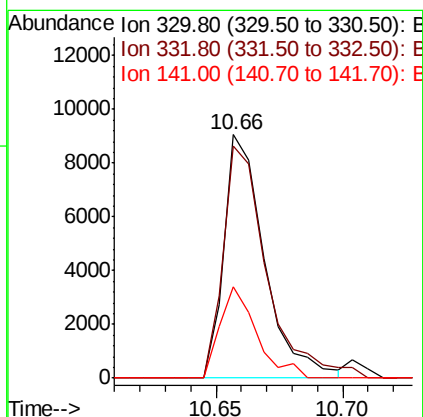
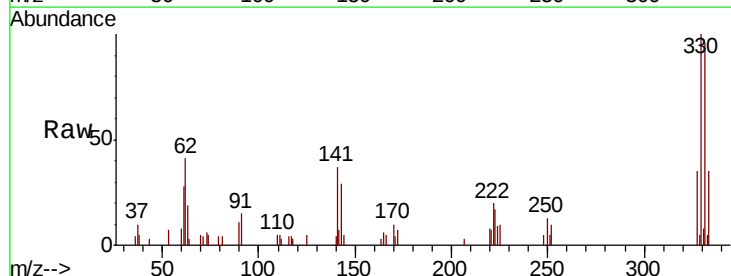
Instrument :
 BNA_F
 ClientSampleId :

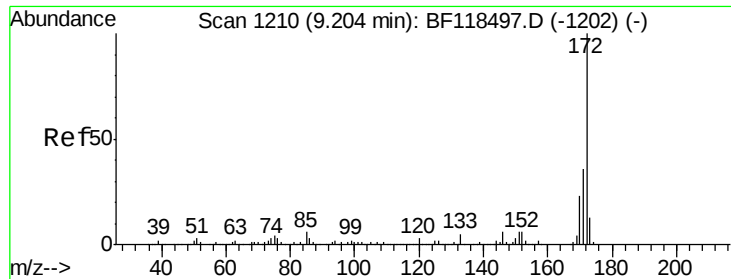
Tot Ion:164 Resp: 179858
 Ion Ratio Lower Upper
 164 100
 162 104.4 84.2 126.4
 160 46.4 36.8 55.2



#42
 2,4,6-Tribromophenol
 Concen: 4.754 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF118540.D
 Acq: 13 Jan 2020 19:41

Tgt Ion:330 Resp: 10090
 Ion Ratio Lower Upper
 330 100
 332 102.2 77.9 116.9
 141 33.7 28.6 43.0

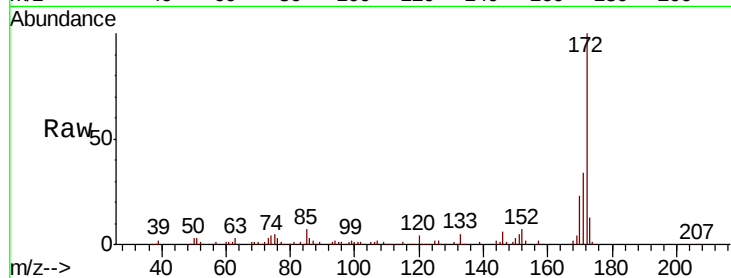




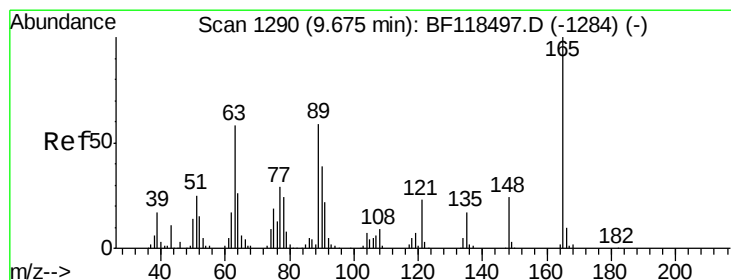
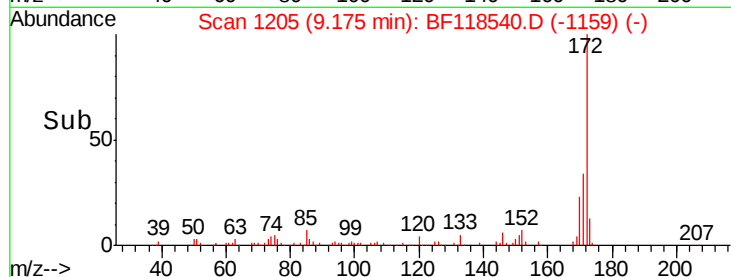
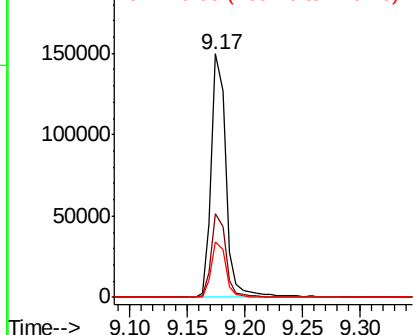
#45
2-Fluorobiphenyl
Concen: 10.668 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF118540.D
Acq: 13 Jan 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 133782
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 22.9 18.6 27.8

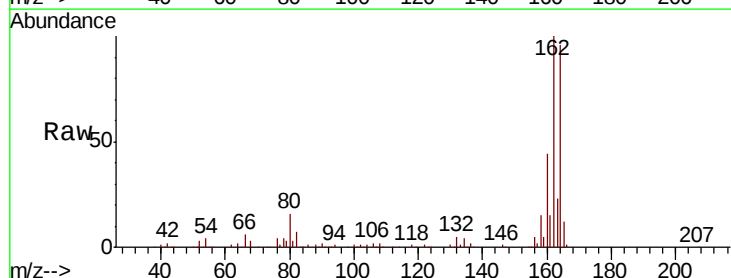


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

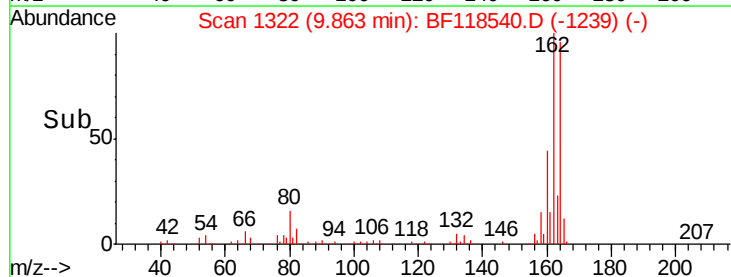
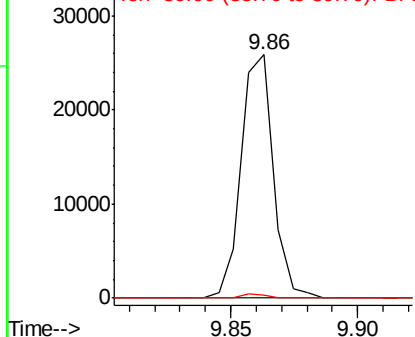


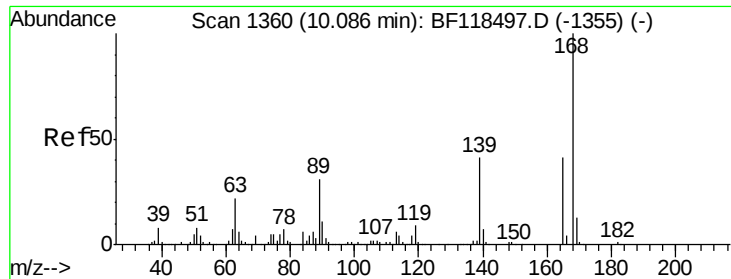
#51
2,6-Dinitrotoluene
Concen: 7.672 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.19 min
Lab File: BF118540.D
Acq: 13 Jan 2020 19:41

Tgt Ion:165 Resp: 22807
Ion Ratio Lower Upper
165 100
63 0.0 46.6 70.0#
89 1.3 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

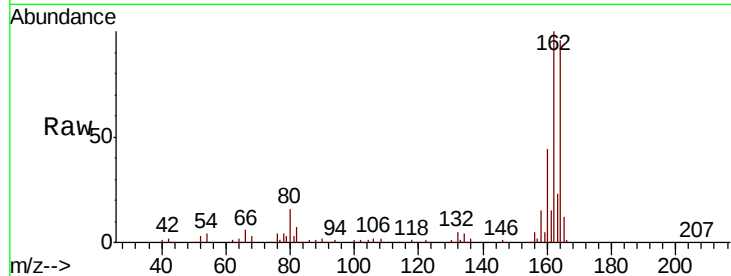




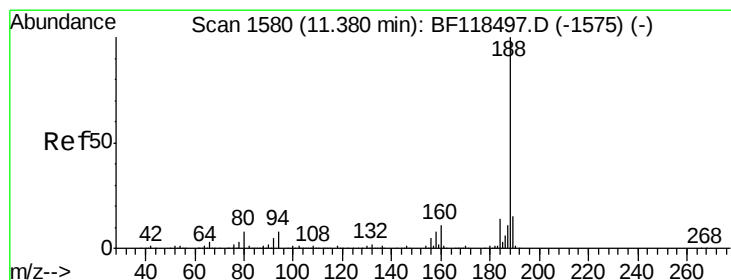
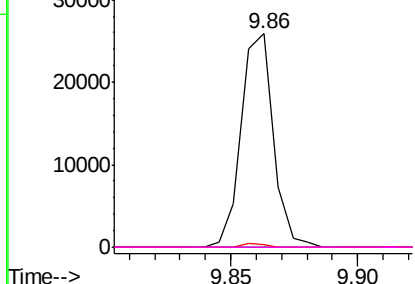
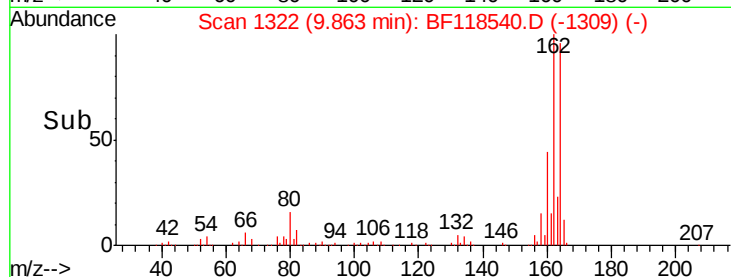
#57
 2,4-Dinitrotoluene
 Concen: 5.730 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.22 min
 Lab File: BF118540.D
 Acq: 13 Jan 2020 19:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	1.3	60.4	90.6#
182	0.0	2.0	3.0#

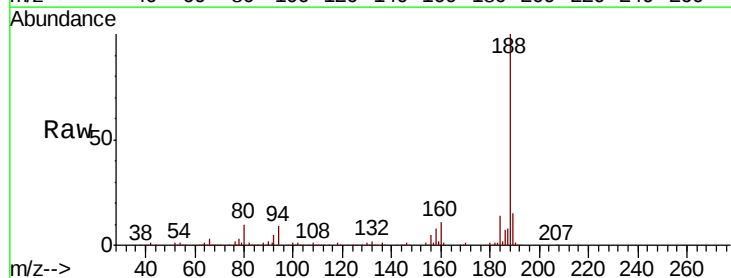


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

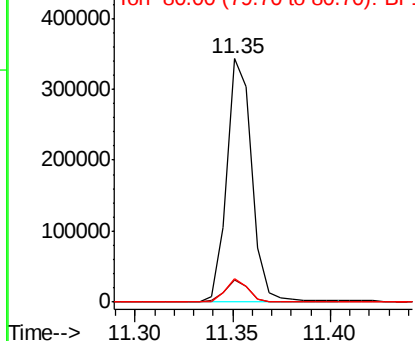
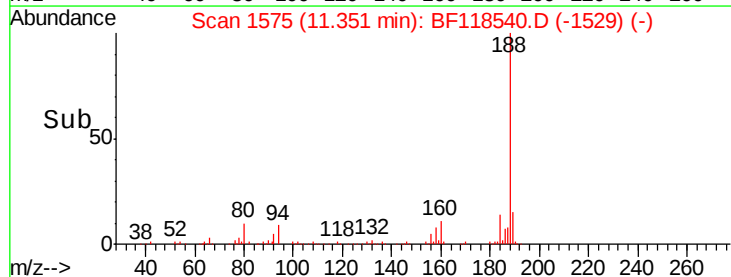


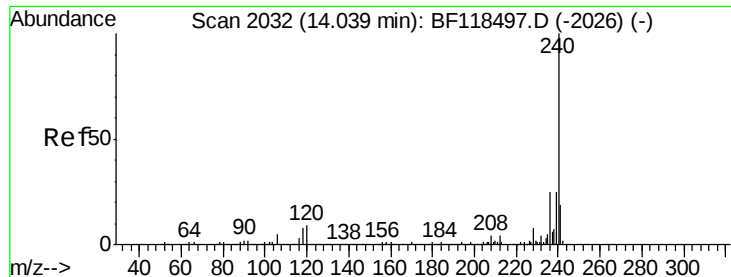
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.03 min
 Lab File: BF118540.D
 Acq: 13 Jan 2020 19:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.2	9.4
80	9.8	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

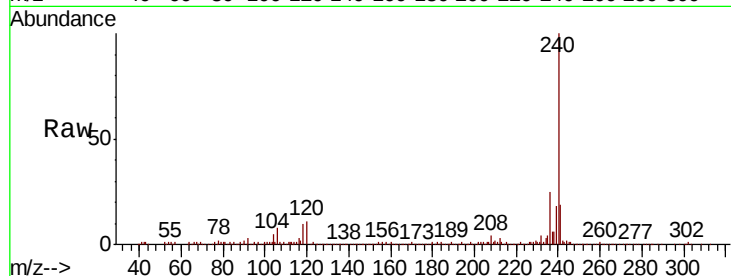




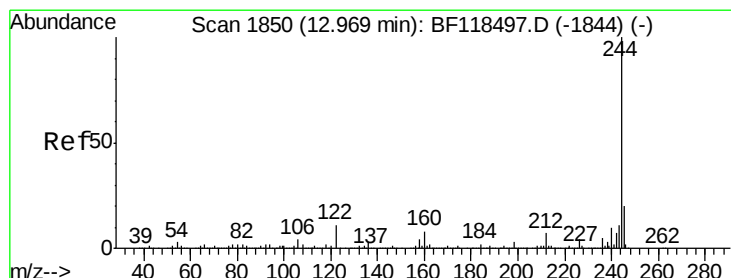
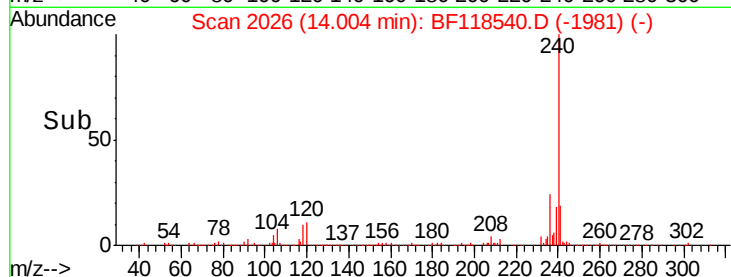
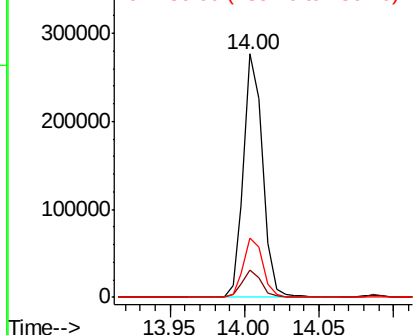
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.04 min
 Lab File: BF118540.D
 Acq: 13 Jan 2020 19:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 248366
 Ion Ratio Lower Upper
 240 100
 120 11.2 7.0 10.6#
 236 24.6 20.1 30.1

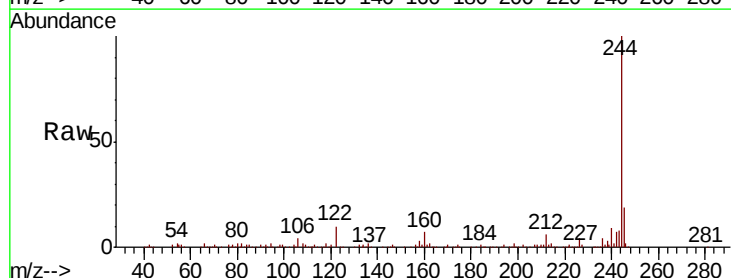


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

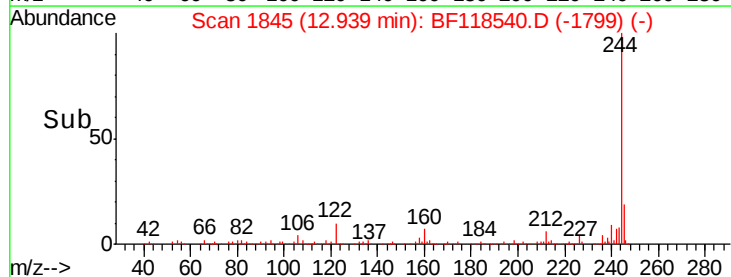
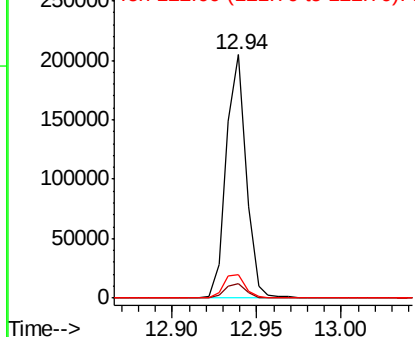


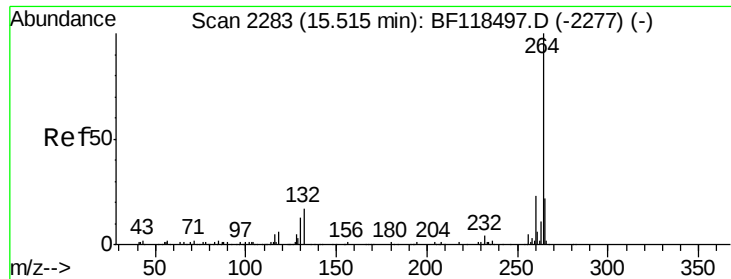
#79
 Terphenyl-d14
 Concen: 10.758 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.03 min
 Lab File: BF118540.D
 Acq: 13 Jan 2020 19:41

Tgt Ion:244 Resp: 168603
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.6 8.4
 122 9.8 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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.03 min
Lab File: BF118540.D
Acq: 13 Jan 2020 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.7	17.5	26.3

