

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
 Data File : BF118741.D
 Acq On : 29 Jan 2020 19:44
 Operator : CG/JU
 Sample : L1287-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:11:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	270395	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1004970	20.00	ng	-0.02
39) Acenaphthene-d10	9.88	164	552481	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	962920	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	676621	20.00	ng	-0.02
87) Perylene-d12	15.46	264	732091	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1735292	119.19	ng	0.00
7) Phenol-d6	6.47	99	1925770	101.77	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1467572	81.68	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	795675	124.52	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2852300	84.86	ng	-0.02
79) Terphenyl-d14	12.95	244	3239287	104.42	ng	-0.01

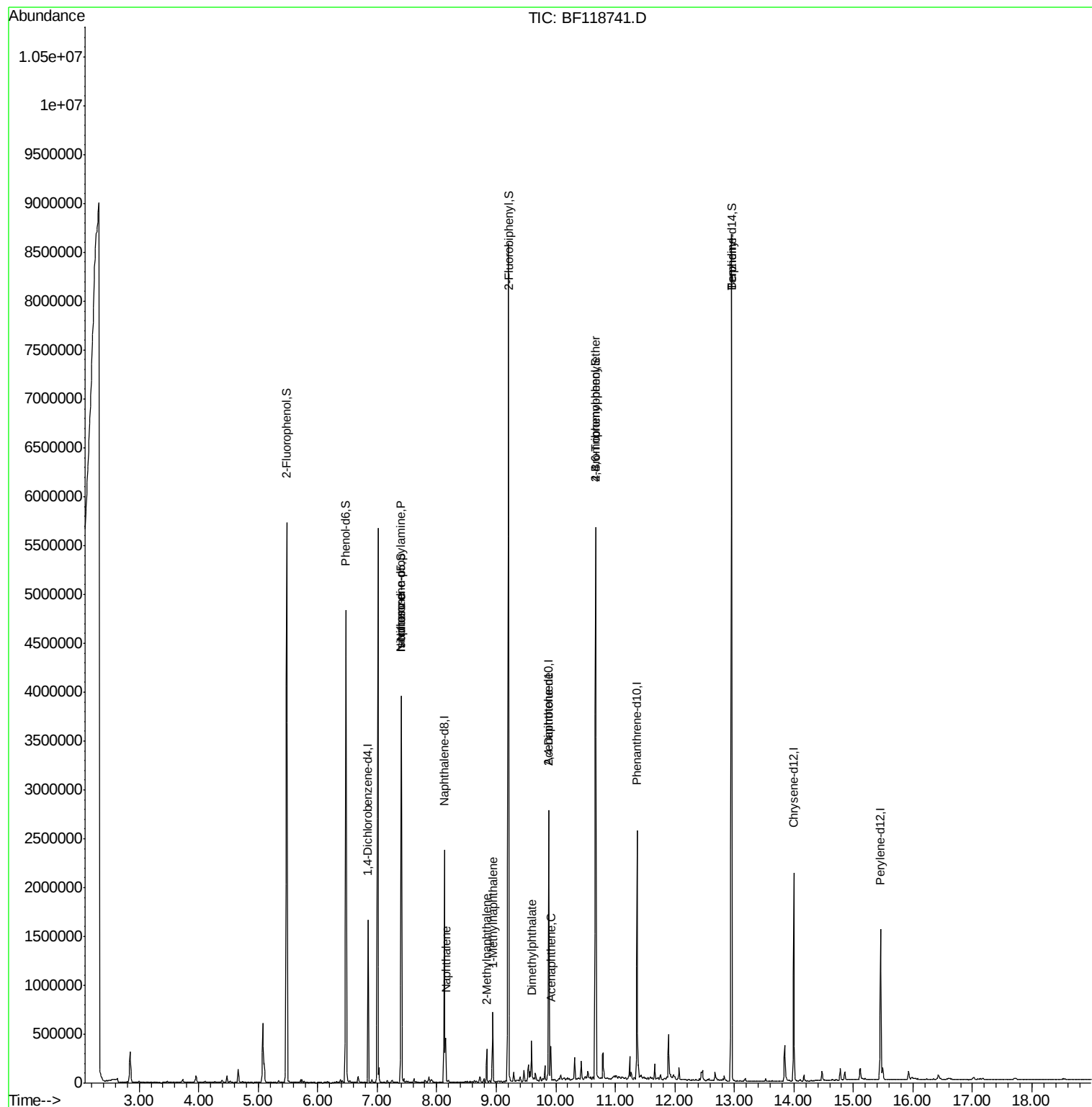
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	201389	15.762	ng	# 76
25) Isophorone	7.40	82	1467550	44.782	ng	# 63
31) Naphthalene	8.15	128	204758	4.510	ng	97
37) 2-Methylnaphthalene	8.84	142	82535	2.576	ng	96
38) 1-Methylnaphthalene	8.94	142	174554	5.734	ng	99
50) Dimethylphthalate	9.59	163	156268	4.341	ng	99
52) Acenaphthene	9.92	154	77700	2.574	ng	99
57) 2,4-Dinitrotoluene	9.88	165	73350	7.219	ng	# 30
67) 4-Bromophenyl-phenylether	10.67	248	51373	4.318	ng	# 1
77) Benzidine	12.95	184	40610	2.246	ng	# 92

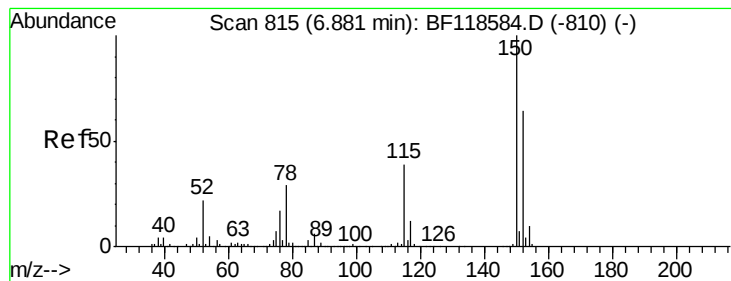
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
Data File : BF118741.D
Acq On : 29 Jan 2020 19:44
Operator : CG/JU
Sample : L1287-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 30 00:11:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 27 14:24:10 2020
Response via : Initial Calibration



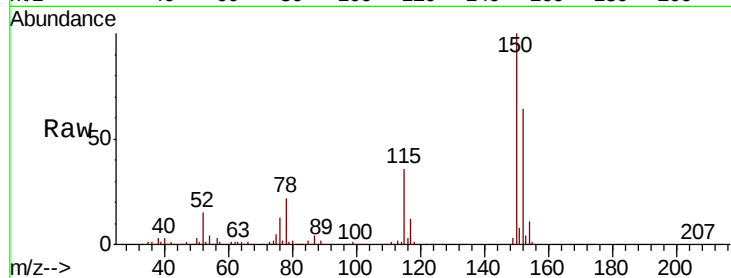


#1

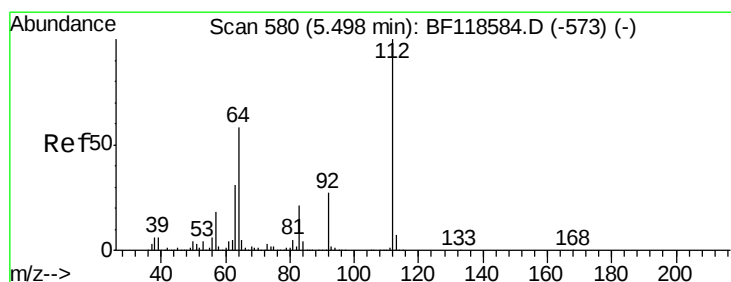
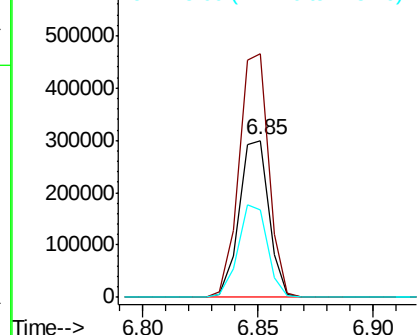
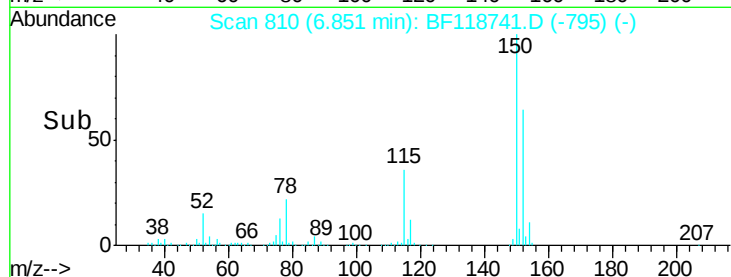
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF118741.D
Acq: 29 Jan 2020 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.7	185.5
115	56.1	45.1	67.7



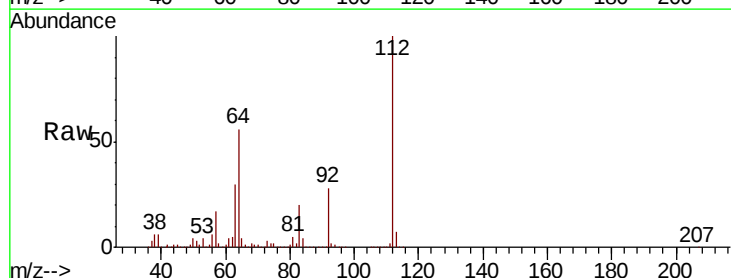
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



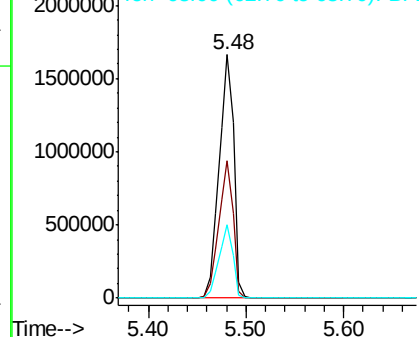
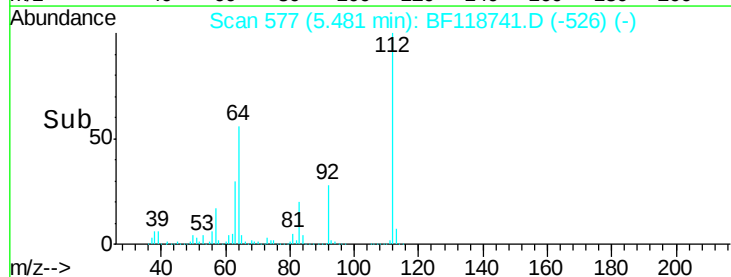
#5

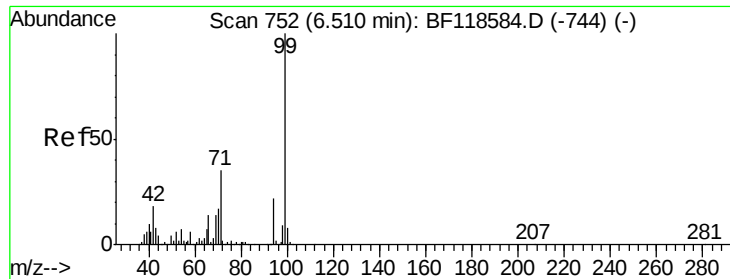
2-Fluorophenol
Concen: 119.191 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118741.D
Acq: 29 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	42.4	63.6
63	30.0	21.7	32.5



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: 101.770 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

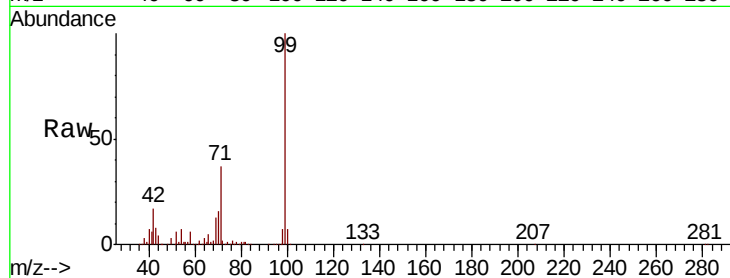
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1925770

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.1	19.7
71	36.5	28.4	42.6

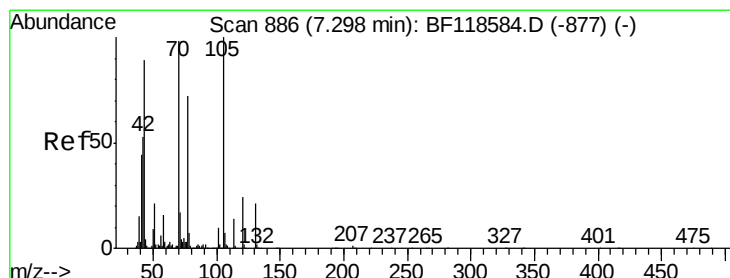
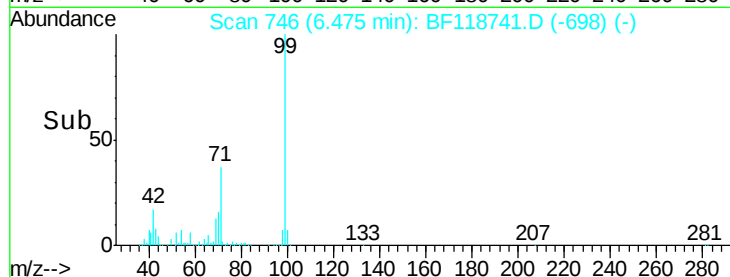
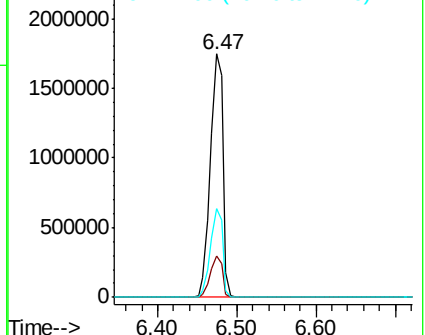


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 15.762 ng

RT: 7.40 min Scan# 904

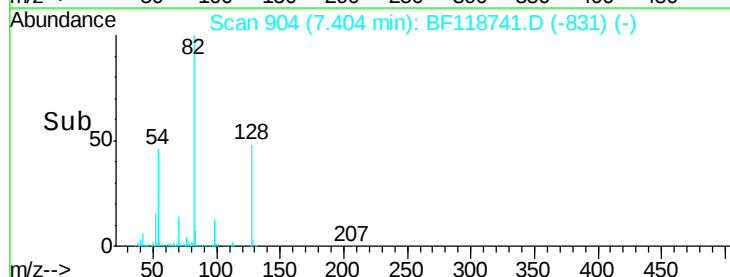
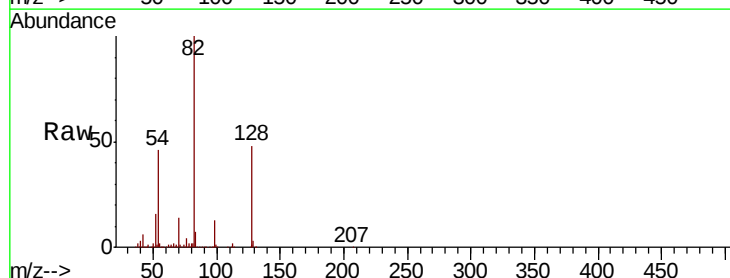
Delta R.T. 0.13 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

Tgt Ion: 70 Resp: 201389

Ion	Ratio	Lower	Upper
70	100		
42	42.0	41.6	62.4
101	0.0	7.9	11.9#
130	2.2	19.0	28.6#



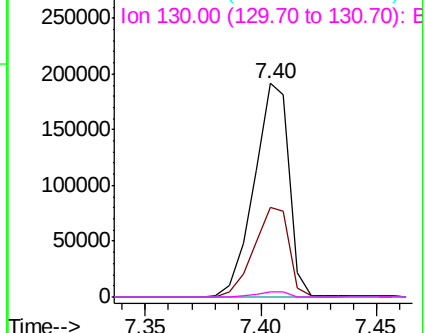
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

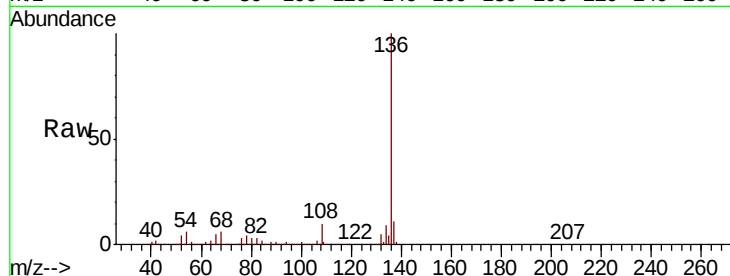




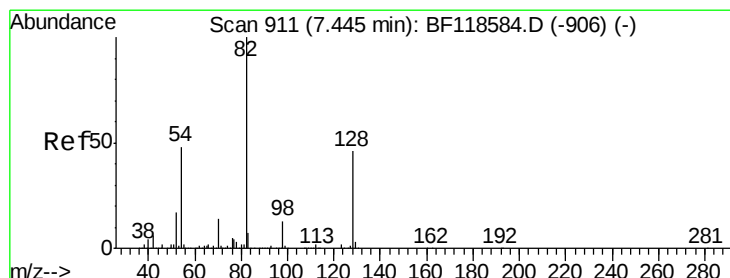
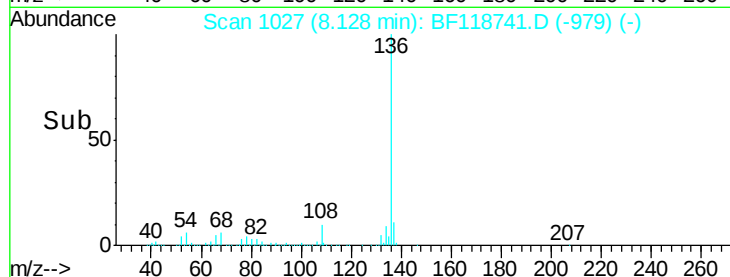
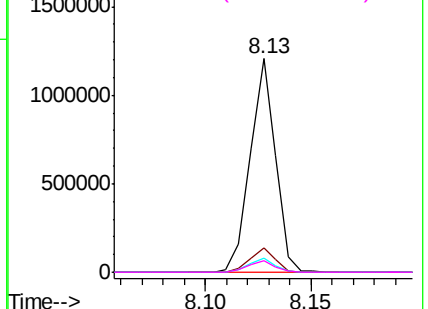
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF118741.D
Acq: 29 Jan 2020 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1004970
Ion Ratio	Lower Upper
136 100	
137 11.3	8.9 13.3
54 6.5	5.1 7.7
68 5.7	4.3 6.5

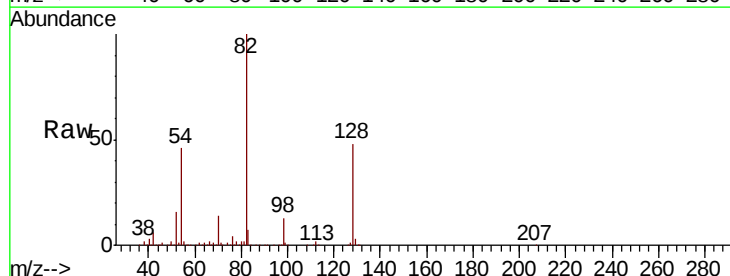


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

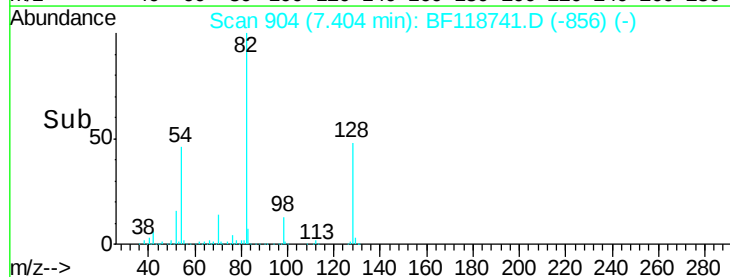
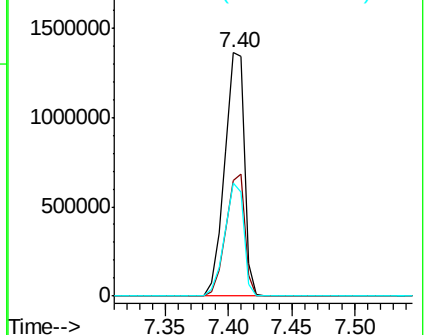


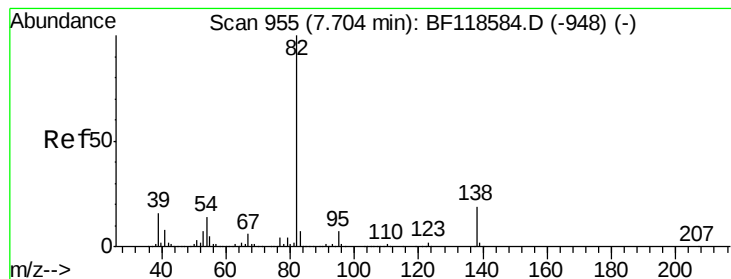
#23
Nitrobenzene-d5
Concen: 81.681 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF118741.D
Acq: 29 Jan 2020 19:44

Tgt	Ion: 82	Resp: 1467572	
Ion	Ratio	Lower	Upper
82	100		
128	47.6	38.2	57.2
54	46.3	36.1	54.1



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: 44.782 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.28 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

Instrument :

BNA_F

ClientSampleId :

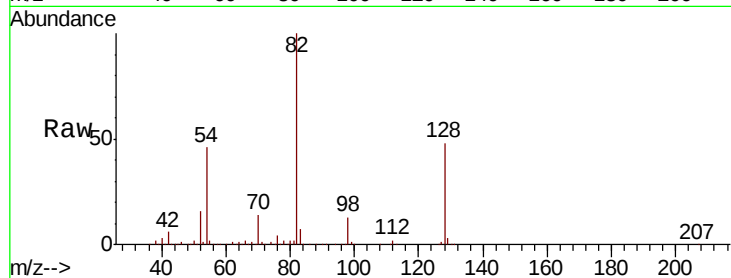
Tot Ion: 82 Resp: 1467550

Ion Ratio Lower Upper

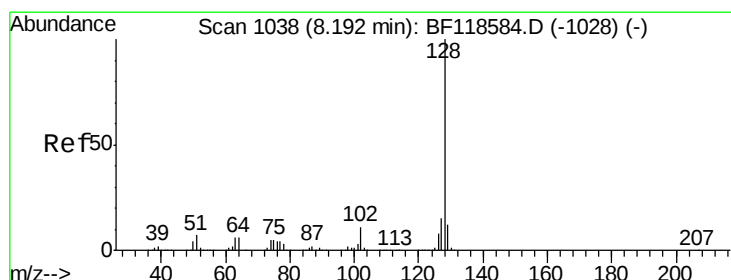
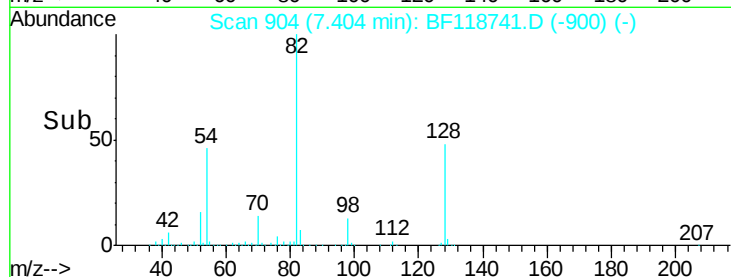
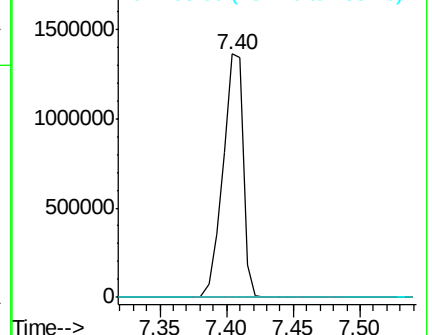
82 100

95 0.0 5.8 8.8#

138 0.0 15.8 23.8#



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



#31

Naphthalene

Concen: 4.510 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

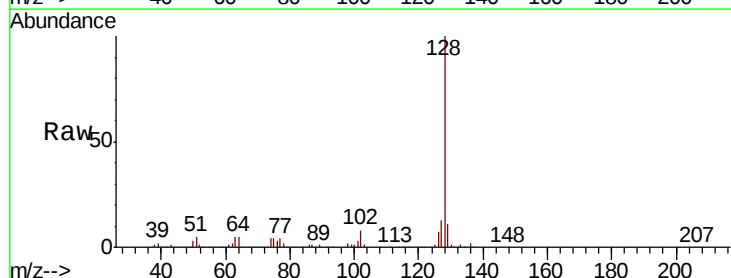
Tgt Ion: 128 Resp: 204758

Ion Ratio Lower Upper

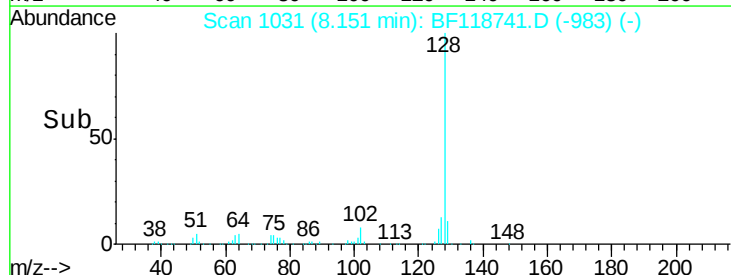
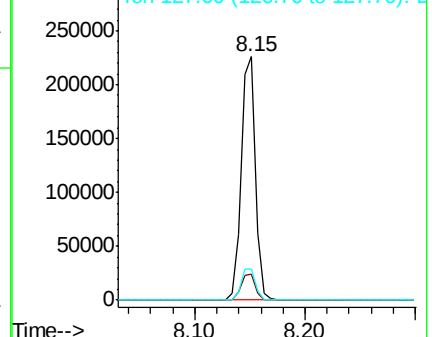
128 100

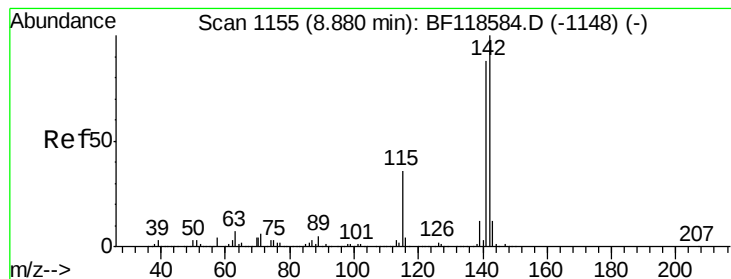
129 10.9 9.4 14.0

127 12.9 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





#37

2-Methylnaphthalene

Concen: 2.576 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

Instrument :

BNA_F

ClientSampleId :

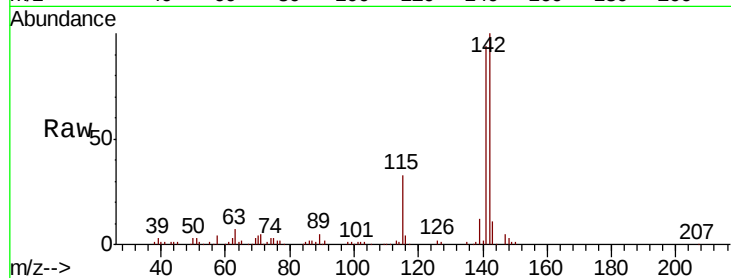
Tot Ion:142 Resp: 82535

Ion Ratio Lower Upper

142 100

141 93.5 71.4 107.0

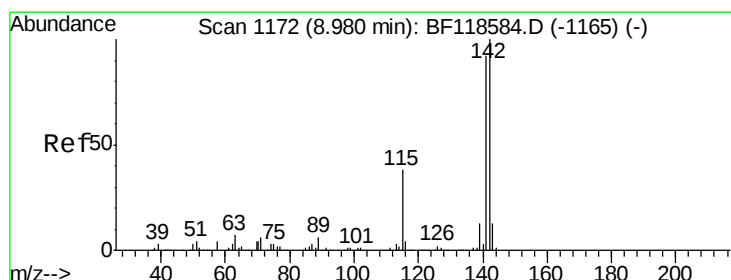
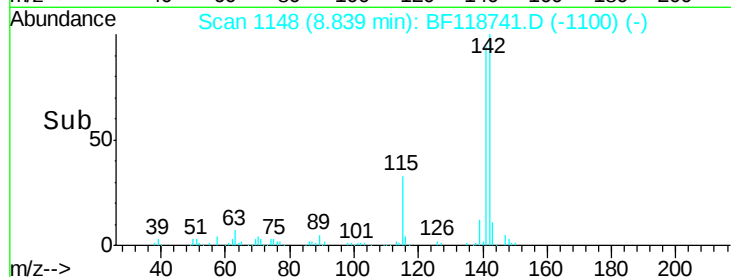
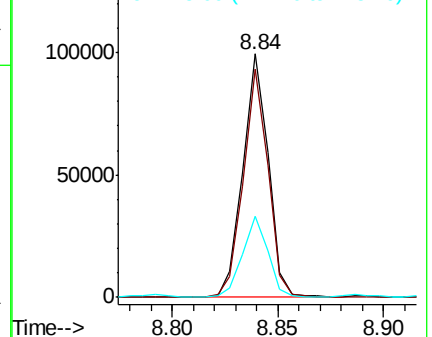
115 33.2 27.5 41.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 5.734 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

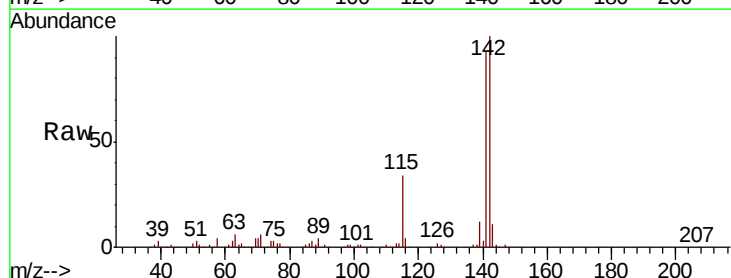
Tgt Ion:142 Resp: 174554

Ion Ratio Lower Upper

142 100

141 92.7 73.5 110.3

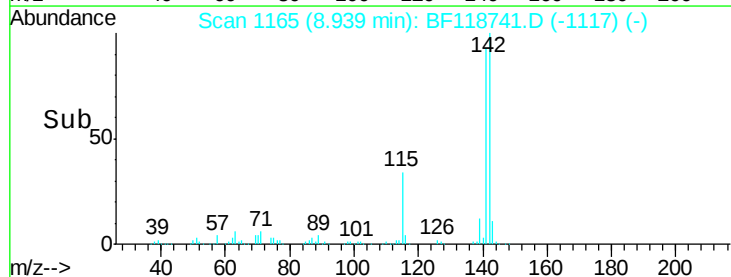
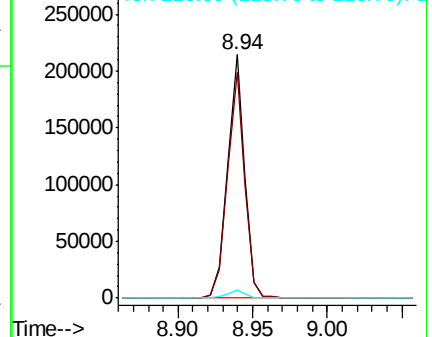
116 3.6 3.0 4.6

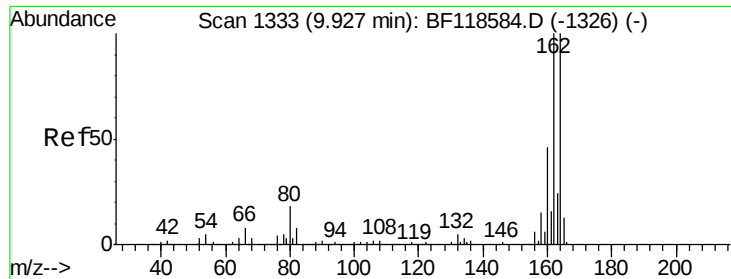


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

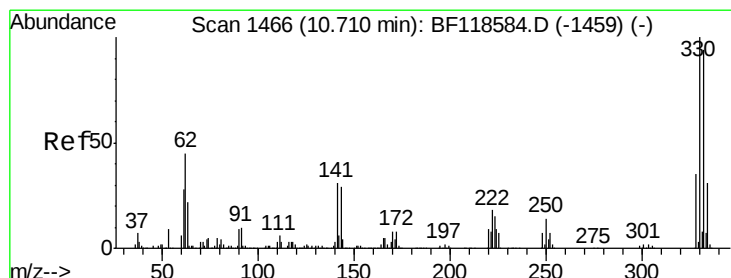
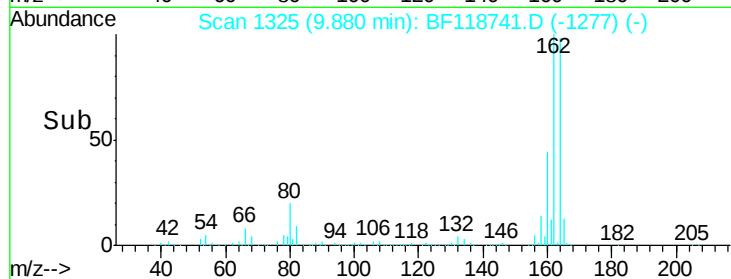
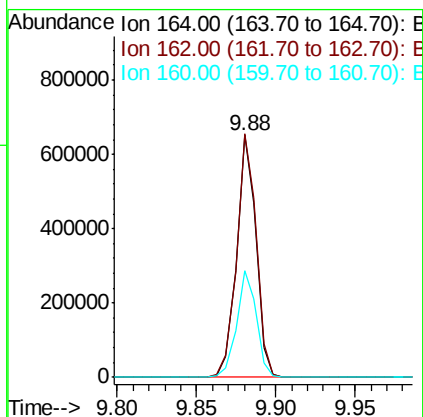
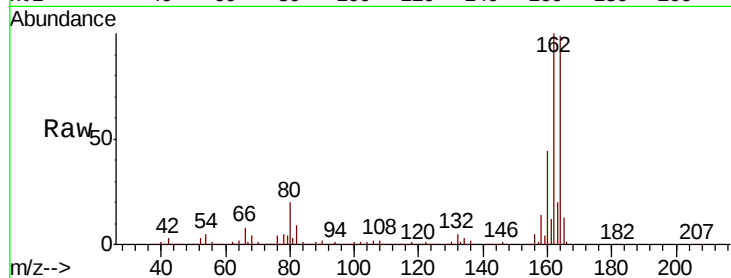




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.02 min
 Lab File: BF118741.D
 Acq: 29 Jan 2020 19:44

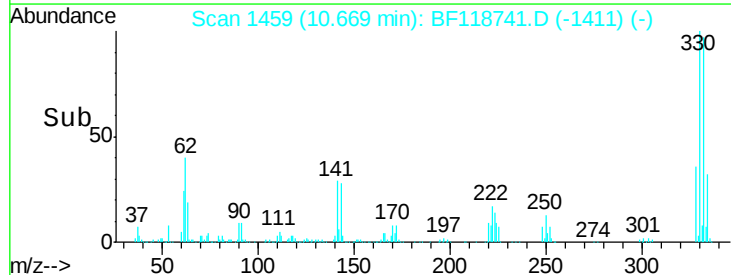
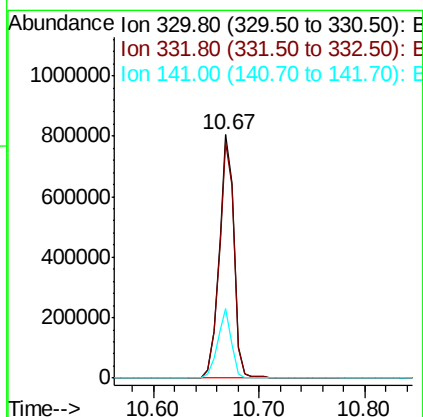
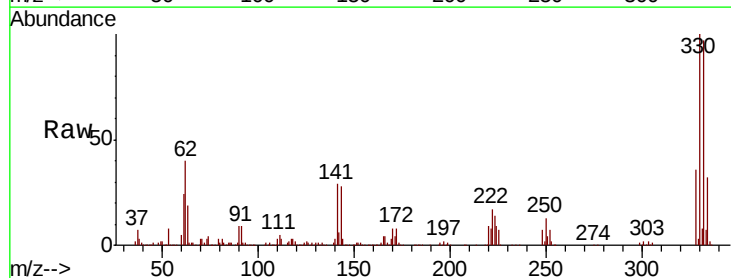
Instrument :
 BNA_F
 ClientSampleId :

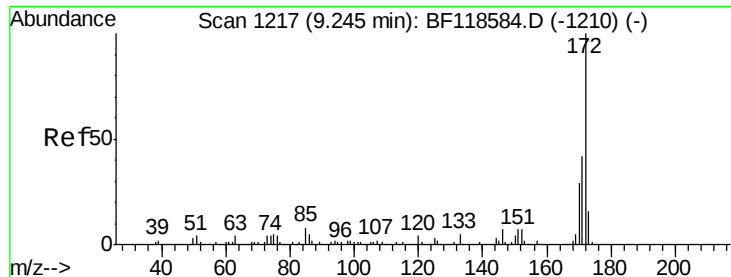
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.8	121.2
160	44.3	35.4	53.0



#42
 2,4,6-Tribromophenol
 Concen: 124.516 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF118741.D
 Acq: 29 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.6	116.4
141	27.5	22.2	33.2

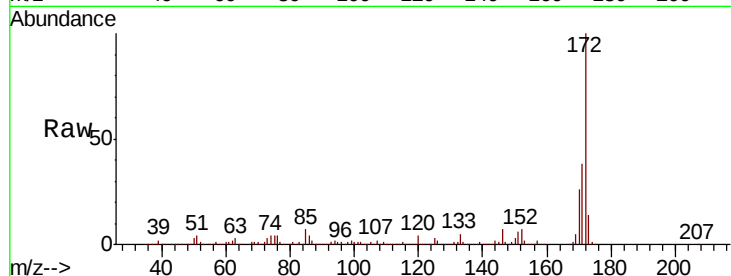




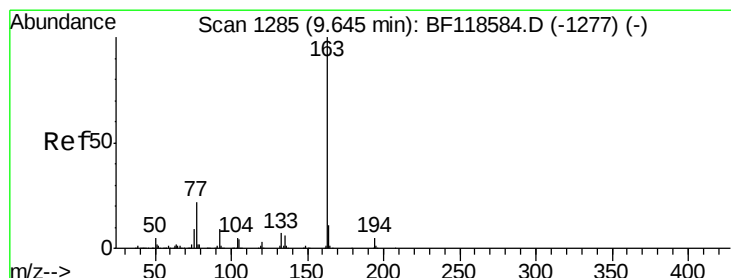
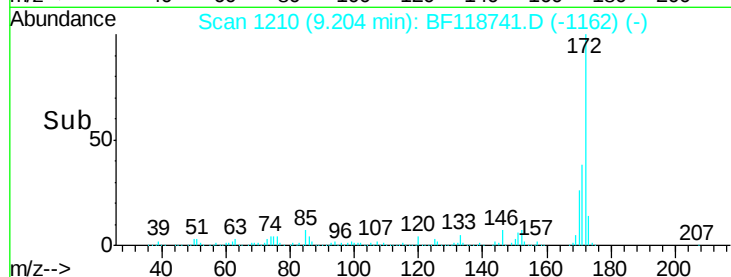
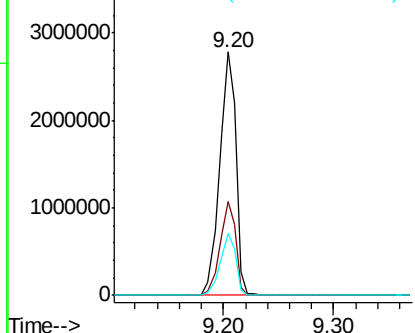
#45
2-Fluorobiphenyl
Concen: 84.855 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.02 min
Lab File: BF118741.D
Acq: 29 Jan 2020 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2852300
Ion Ratio Lower Upper
172 100
171 38.3 31.0 46.4
170 25.5 20.7 31.1

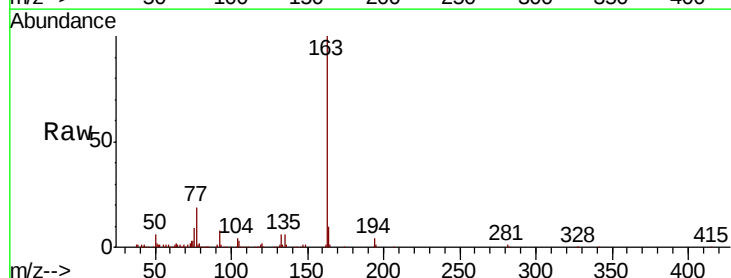


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

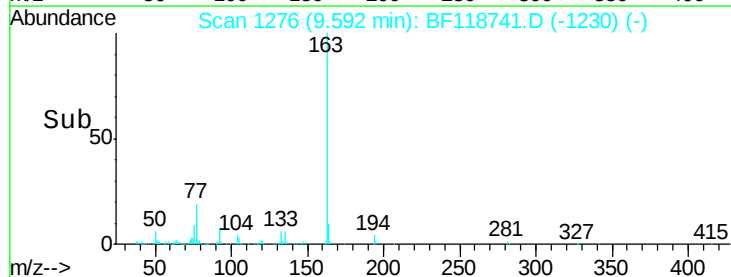
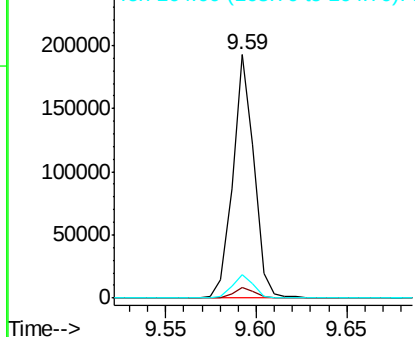


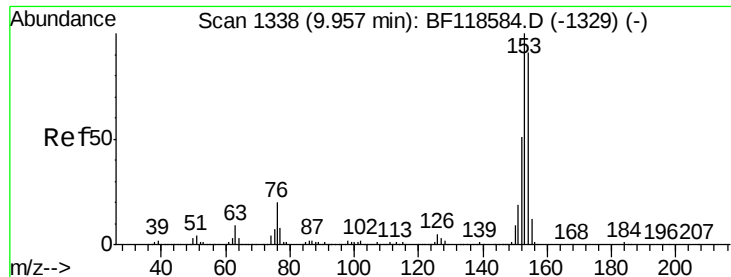
#50
Dimethylphthalate
Concen: 4.341 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF118741.D
Acq: 29 Jan 2020 19:44

Tgt Ion:163 Resp: 156268
Ion Ratio Lower Upper
163 100
194 4.4 3.7 5.5
164 9.6 8.2 12.2



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





#52

Acenaphthene

Concen: 2.574 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

Instrument :

BNA_F

ClientSampleId :

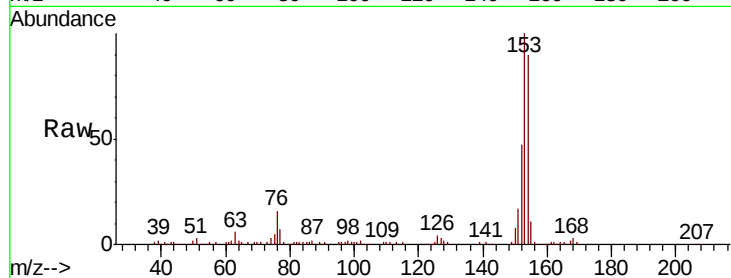
Tot Ion:154 Resp: 77700

Ion Ratio Lower Upper

154 100

153 110.8 89.1 133.7

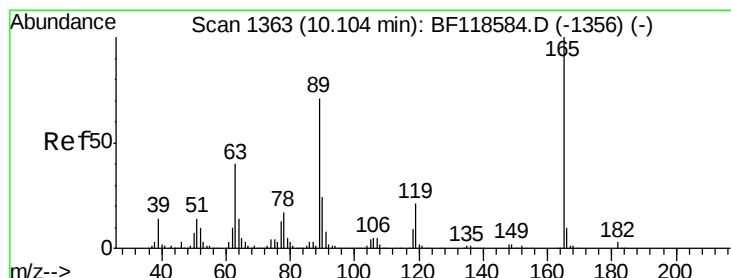
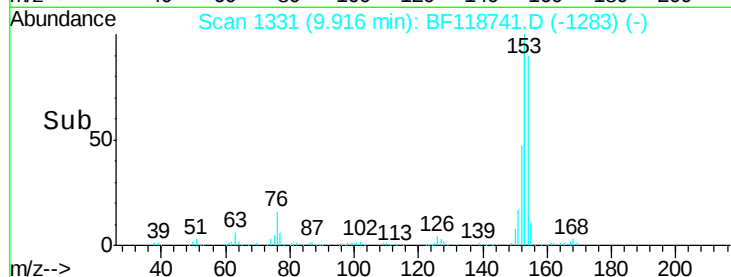
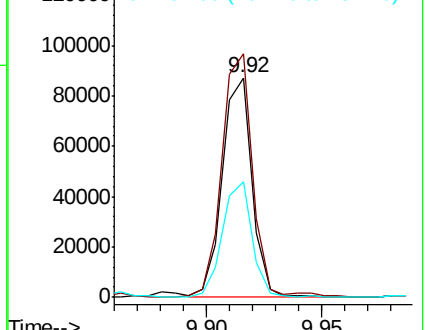
152 52.6 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 7.219 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.20 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

Tgt Ion:165 Resp: 73350

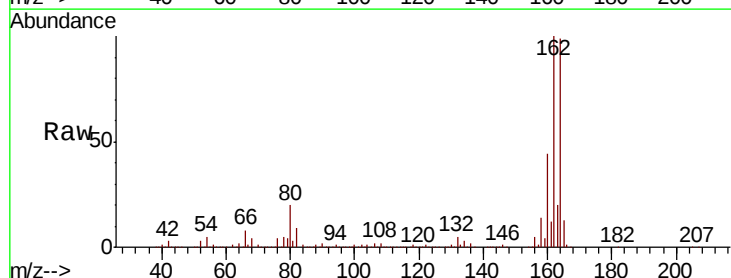
Ion Ratio Lower Upper

165 100

63 1.0 28.5 42.7#

89 1.3 50.4 75.6#

182 0.5 2.3 3.5#

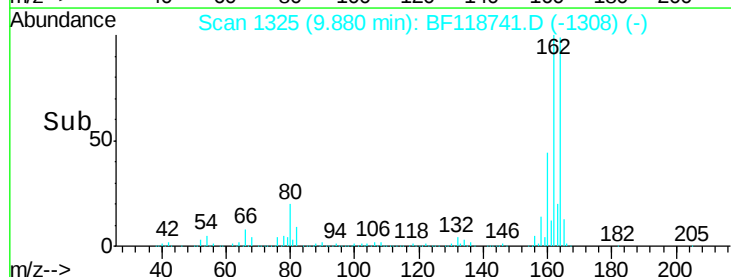
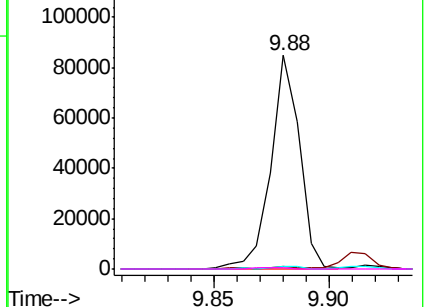


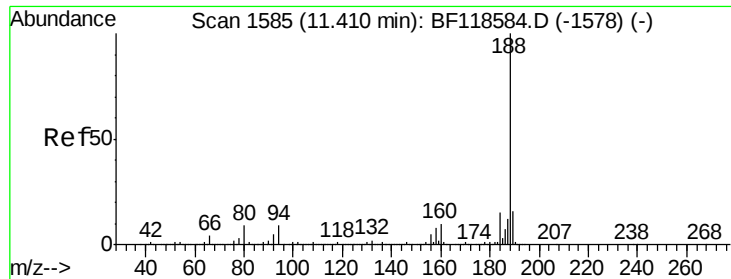
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

Instrument :

BNA_F

ClientSampleId :

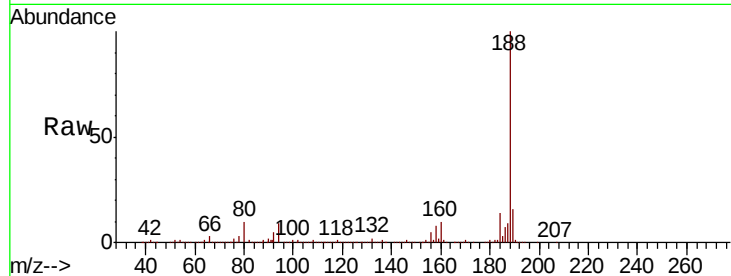
Tot Ion:188 Resp: 962920

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

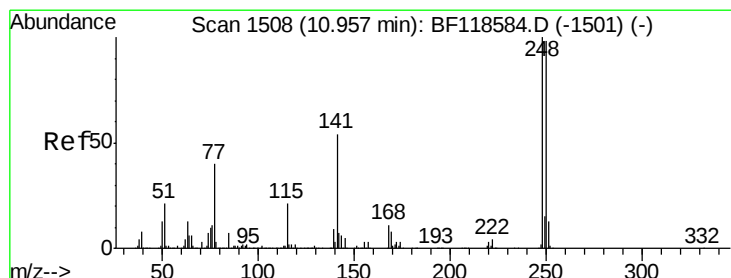
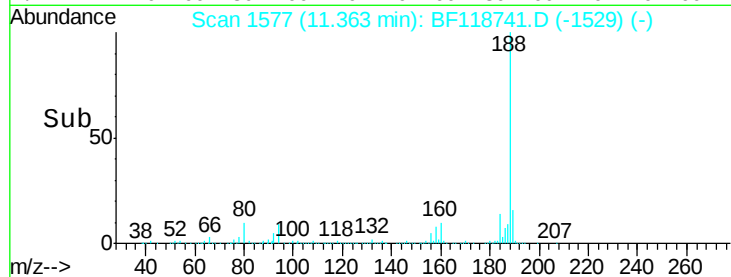
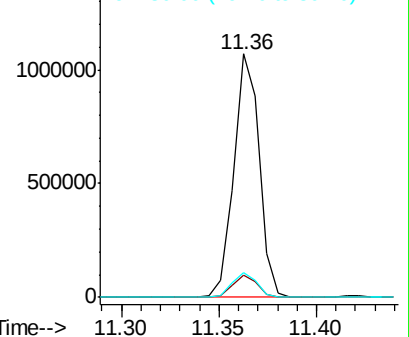
80 10.2 7.8 11.8



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: 4.318 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.26 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

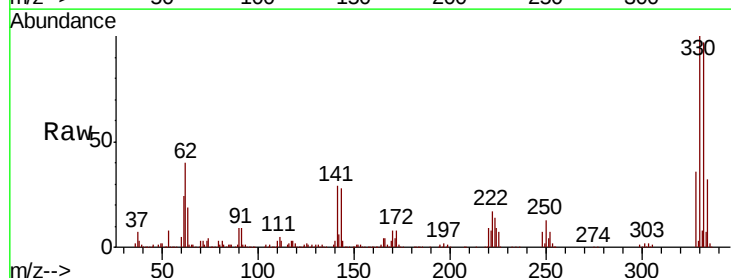
Tgt Ion:248 Resp: 51373

Ion Ratio Lower Upper

248 100

250 191.9 78.7 118.1#

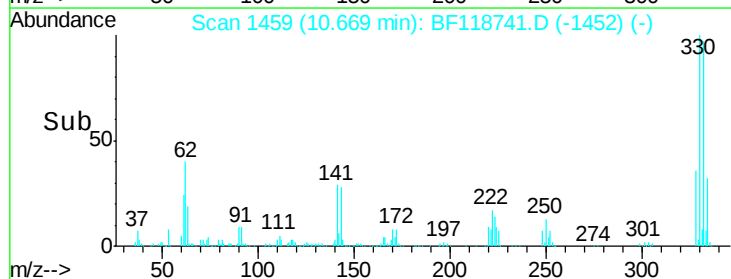
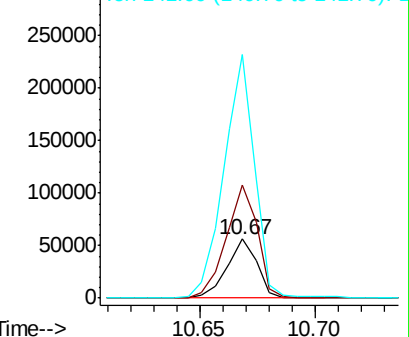
141 414.6 48.4 72.6#

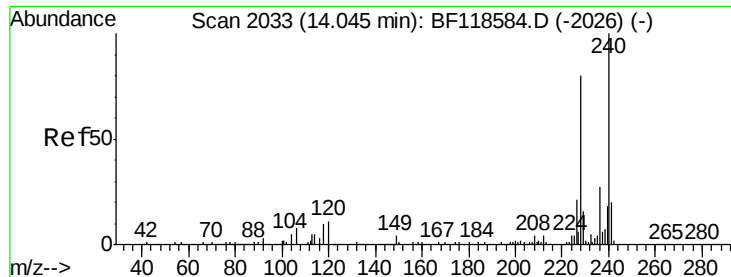


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

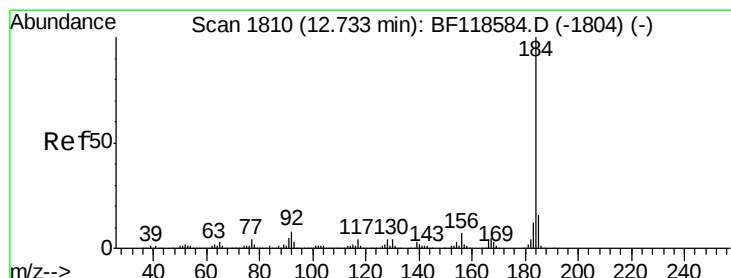
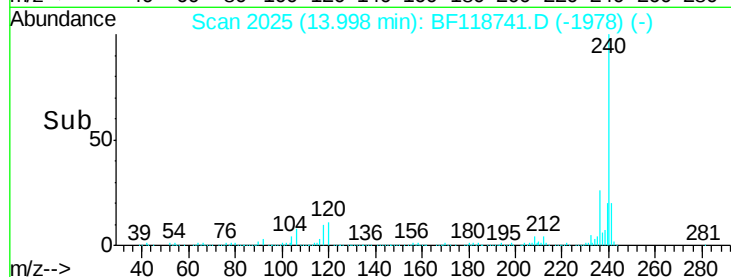
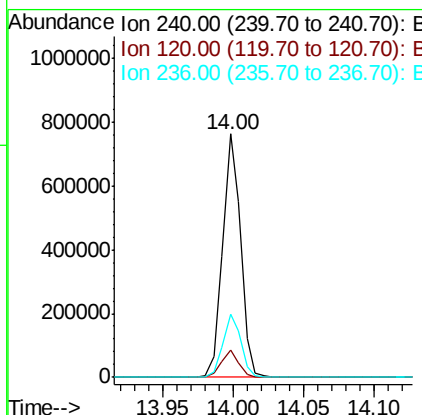
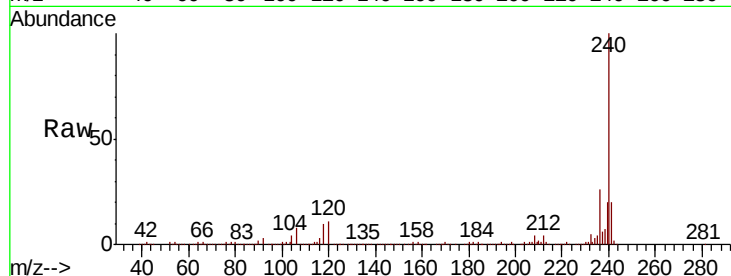




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BF118741.D
 Acq: 29 Jan 2020 19:44

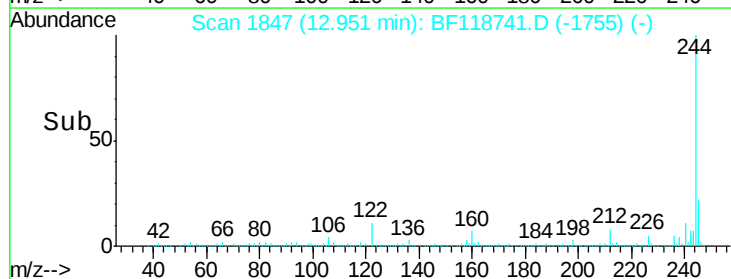
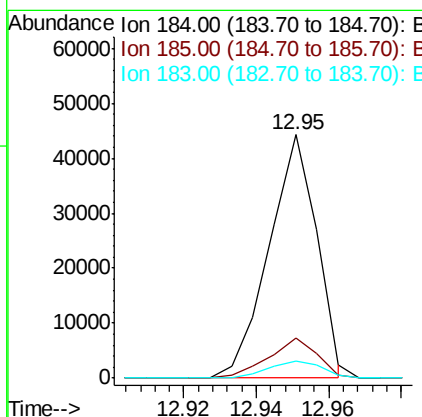
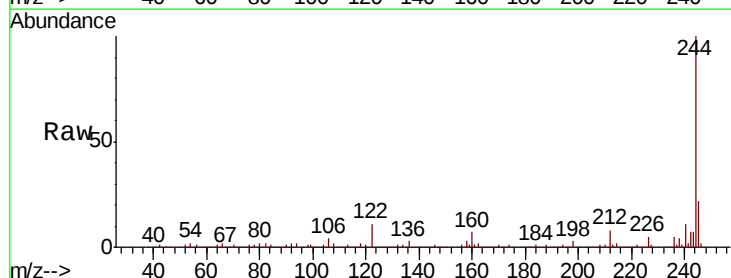
Instrument :
 BNA_F
 ClientSampleID :

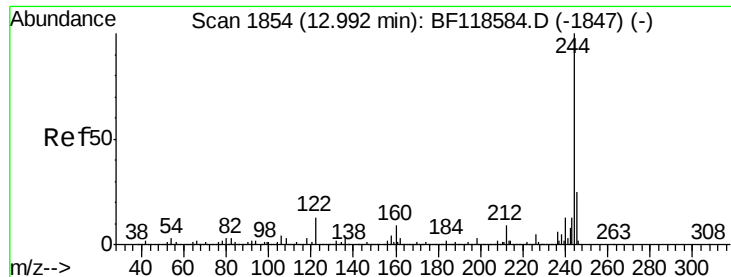
Tot Ion:240 Resp: 676621
 Ion Ratio Lower Upper
 240 100
 120 11.2 7.6 11.4
 236 26.2 21.0 31.4



#77
 Benzidine
 Concen: 2.246 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.24 min
 Lab File: BF118741.D
 Acq: 29 Jan 2020 19:44

Tgt Ion:184 Resp: 40610
 Ion Ratio Lower Upper
 184 100
 185 16.3 11.8 17.8
 183 6.7 9.7 14.5#





#79

Terphenyl-d14

Concen: 104.419 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

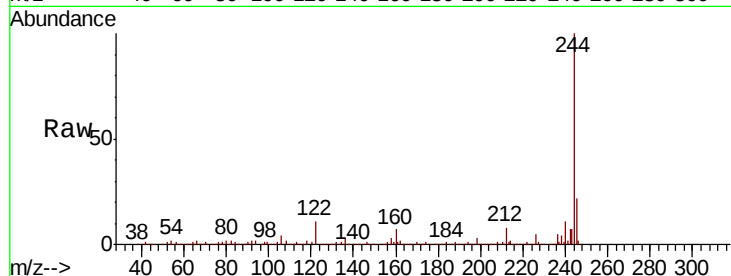
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 3239287

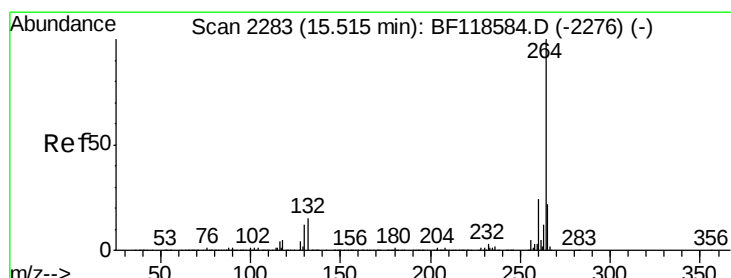
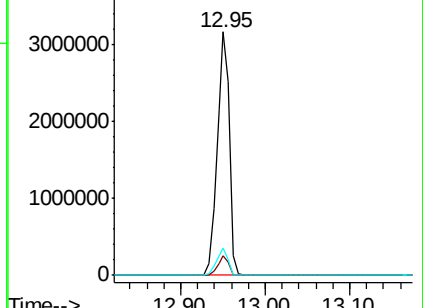
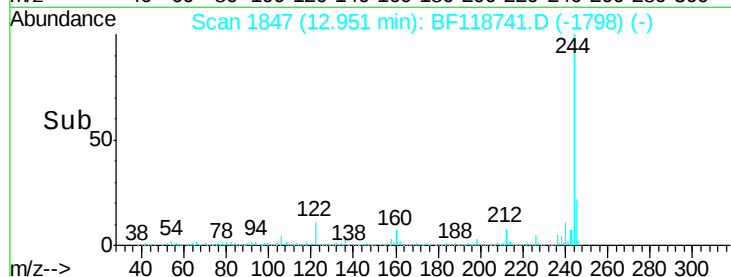
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	11.2	9.2	13.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

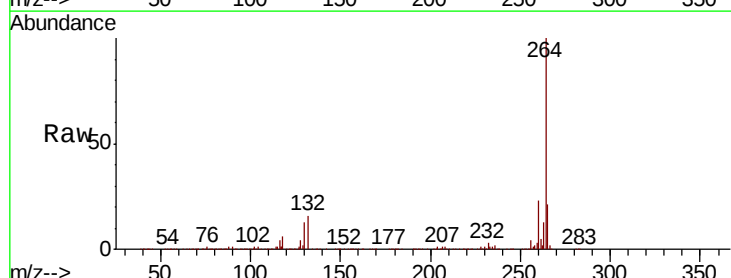
Delta R.T. -0.02 min

Lab File: BF118741.D

Acq: 29 Jan 2020 19:44

Tgt Ion:264 Resp: 732091

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.4	17.0	25.6



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

