

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
 Data File : BF118740.D
 Acq On : 29 Jan 2020 19:17
 Operator : CG/JU
 Sample : L1287-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:11:38 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	290375	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1073174	20.00	ng	-0.02
39) Acenaphthene-d10	9.88	164	587609	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	1019116	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	700953	20.00	ng	-0.02
87) Perylene-d12	15.46	264	765640	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1754466	112.22	ng	0.00
7) Phenol-d6	6.47	99	1900714	93.53	ng	-0.02
23) Nitrobenzene-d5	7.41	82	1568056	81.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	829520	122.05	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2993134	83.72	ng	-0.02
79) Terphenyl-d14	12.95	244	3337541	103.85	ng	-0.01

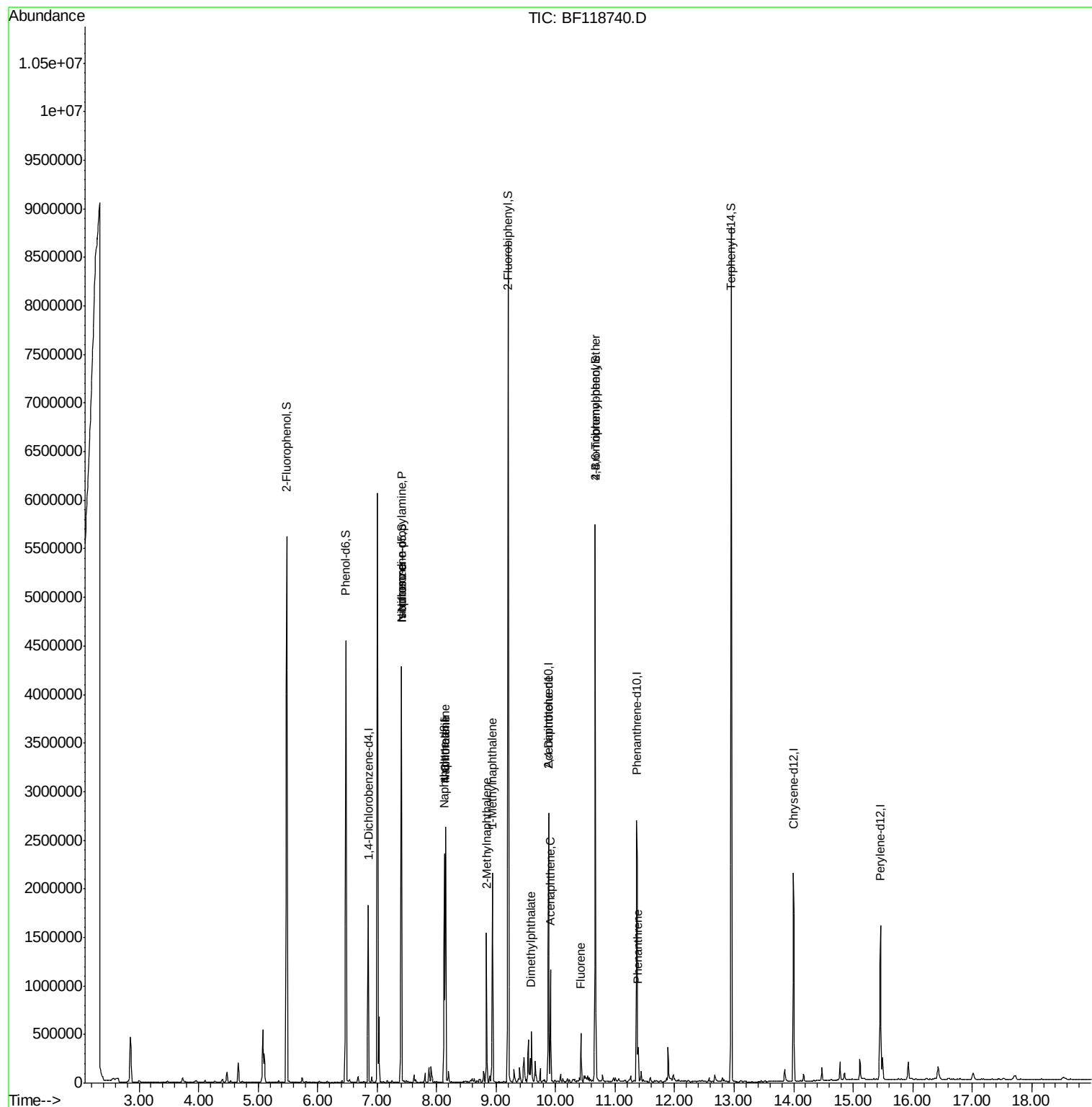
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	214931	15.664	ng	# 76
25) Isophorone	7.41	82	1568040	44.807	ng	# 63
31) Naphthalene	8.15	128	1119418	23.091	ng	98
33) 4-Chloroaniline	8.15	127	149451	6.670	ng	# 36
37) 2-Methylnaphthalene	8.84	142	403837	11.801	ng	98
38) 1-Methylnaphthalene	8.94	142	570770	17.557	ng	99
50) Dimethylphthalate	9.59	163	197784	5.166	ng	99
52) Acenaphthene	9.92	154	239355	7.454	ng	99
57) 2,4-Dinitrotoluene	9.88	165	80317	7.432	ng	# 30
58) Fluorene	10.43	166	127805	3.659	ng	98
67) 4-Bromophenyl-phenylether	10.67	248	53576	4.255	ng	# 1
71) Phenanthrene	11.39	178	185259	3.768	ng	96

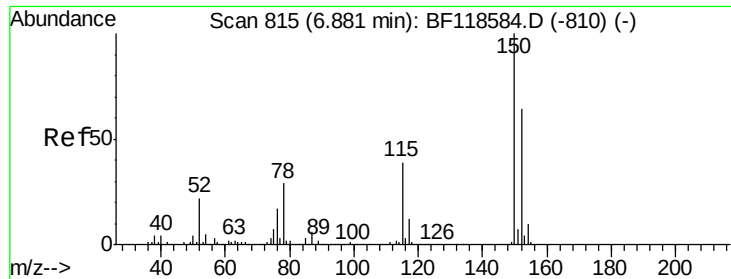
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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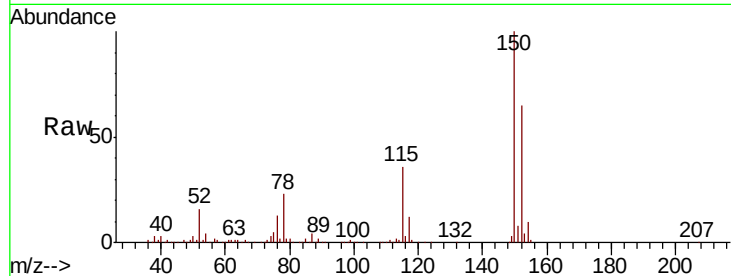


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.7	185.5
115	55.5	45.1	67.7

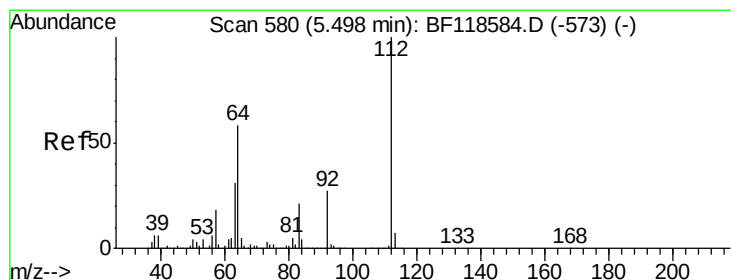
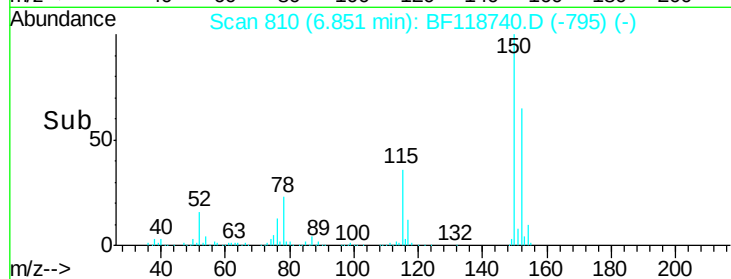
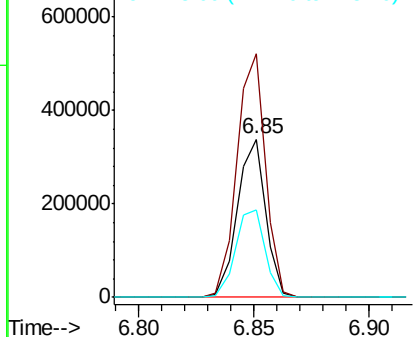


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

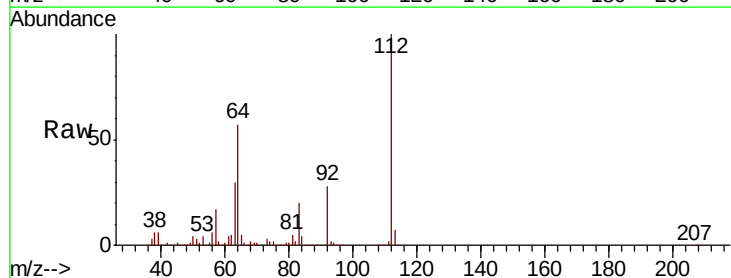
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.217 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	42.4	63.6
63	29.6	21.7	32.5

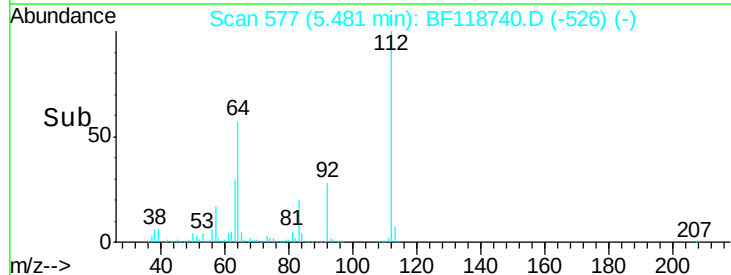
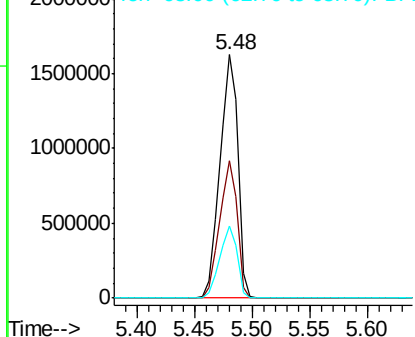


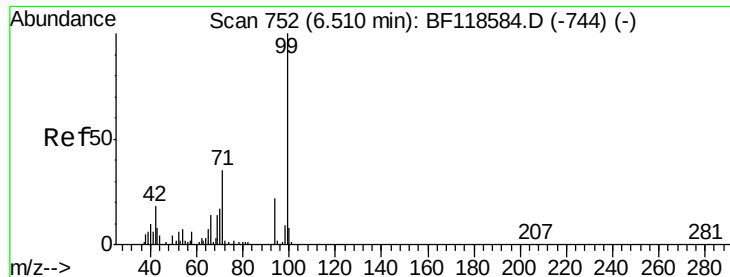
Abundance

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: 93.534 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

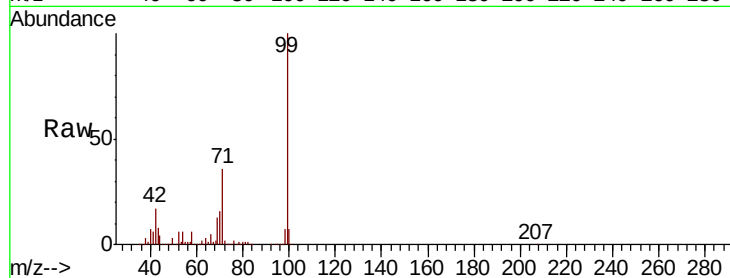
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1900714

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.1	19.7
71	36.4	28.4	42.6

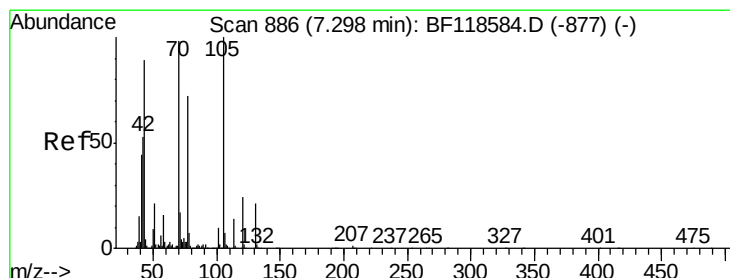
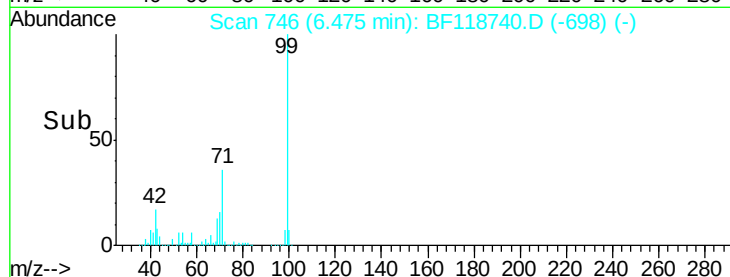
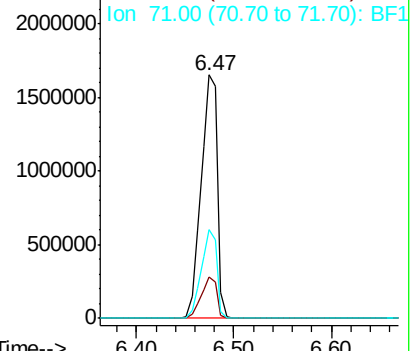


Abundance

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: 15.664 ng

RT: 7.41 min Scan# 905

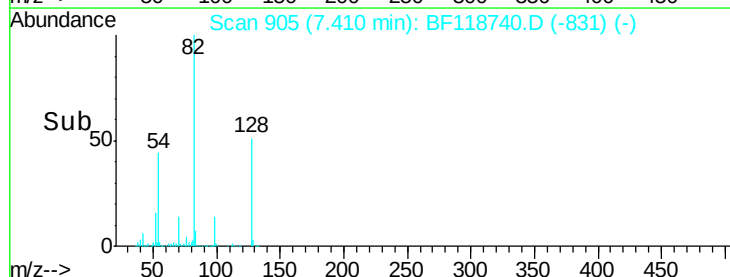
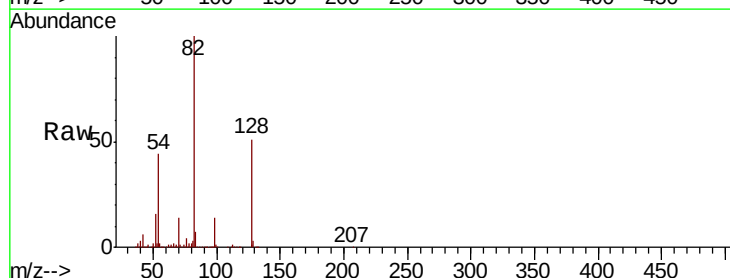
Delta R.T. 0.14 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

Tgt Ion: 70 Resp: 214931

Ion	Ratio	Lower	Upper
70	100		
42	42.2	41.6	62.4
101	0.0	7.9	11.9#
130	2.3	19.0	28.6#



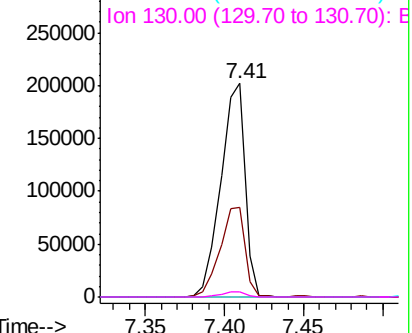
Abundance

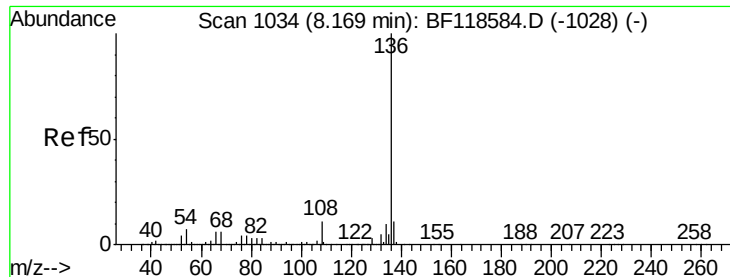
Ion 70.00 (69.70 to 70.70): BF1

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: BF118740.D

Acq: 29 Jan 2020 19:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1073174

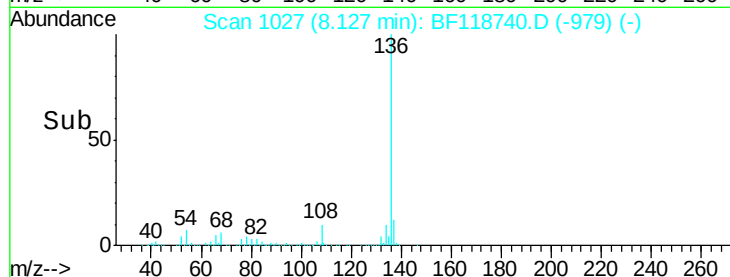
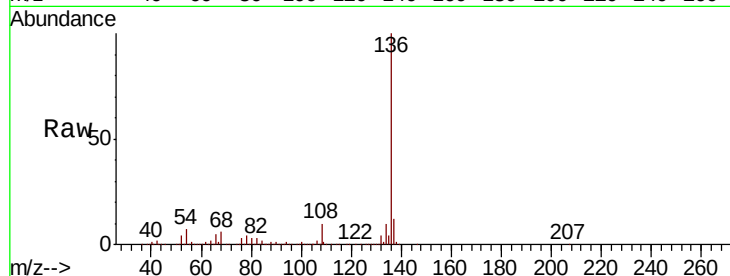
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 6.9 5.1 7.7

68 5.9 4.3 6.5

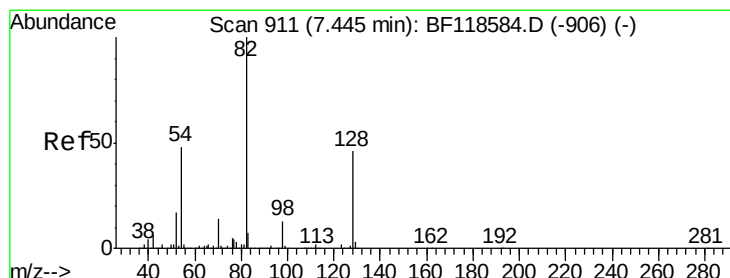
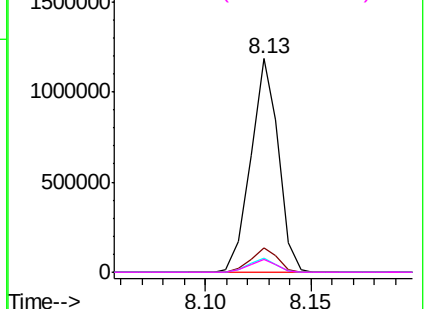


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.727 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

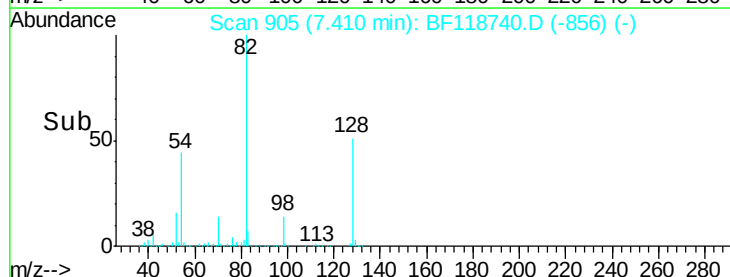
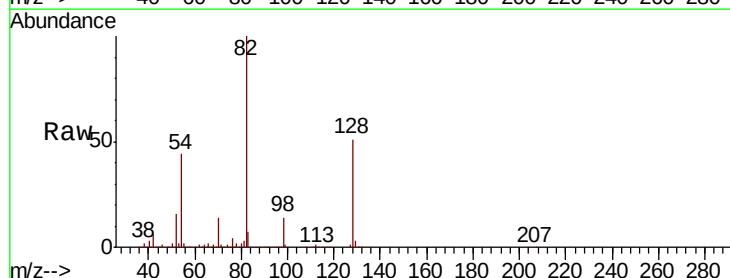
Tgt Ion: 82 Resp: 1568056

Ion Ratio Lower Upper

82 100

128 50.6 38.2 57.2

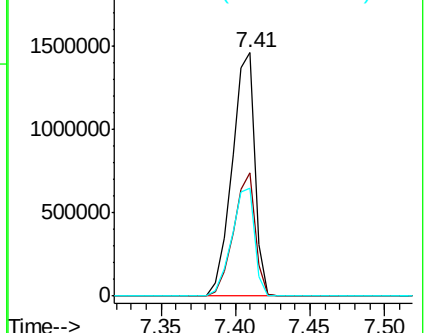
54 44.5 36.1 54.1

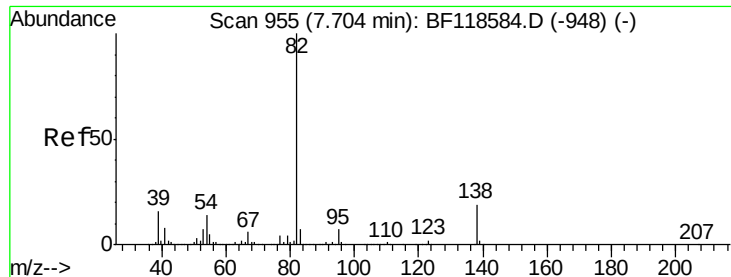


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.807 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

Instrument :

BNA_F

ClientSampleId :

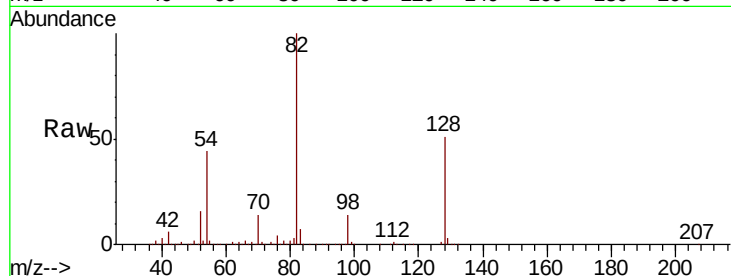
Tot Ion: 82 Resp: 1568040

Ion Ratio Lower Upper

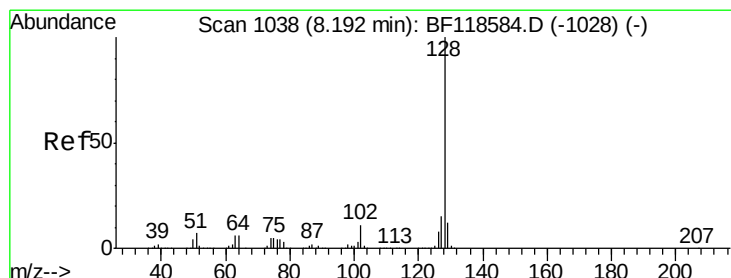
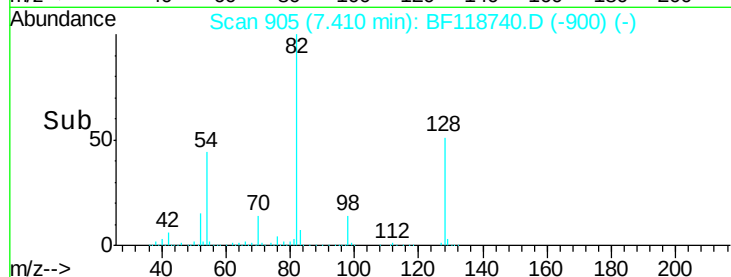
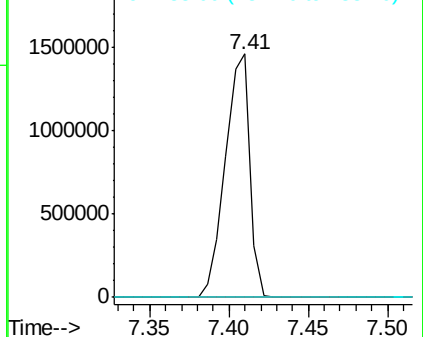
82 100

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: 23.091 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

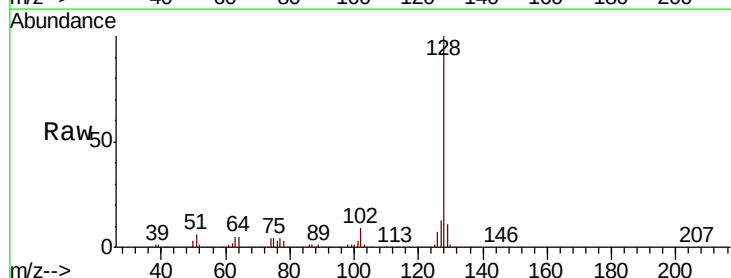
Tgt Ion: 128 Resp: 1119418

Ion Ratio Lower Upper

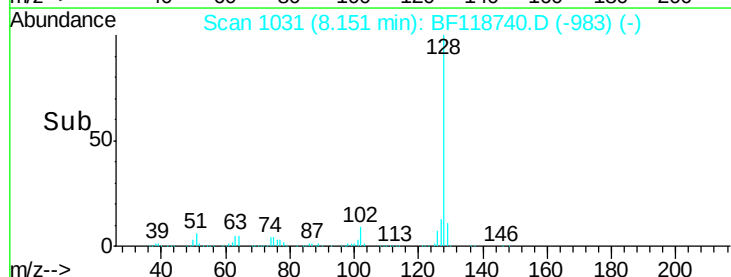
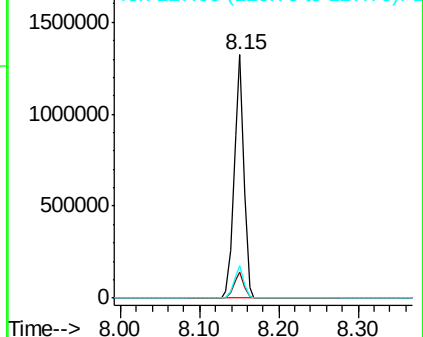
128 100

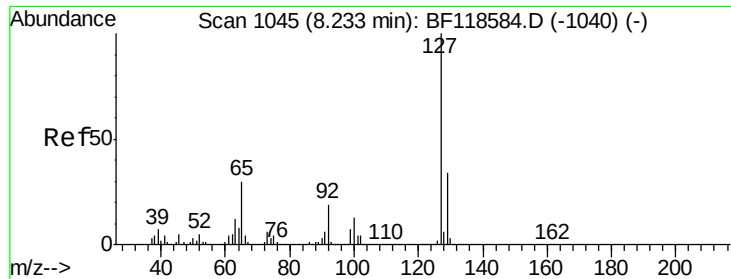
129 10.9 9.4 14.0

127 13.4 11.3 16.9



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

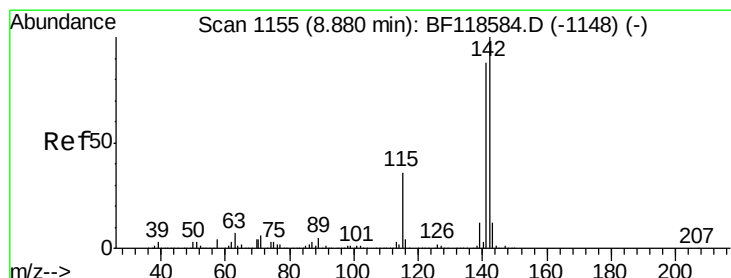
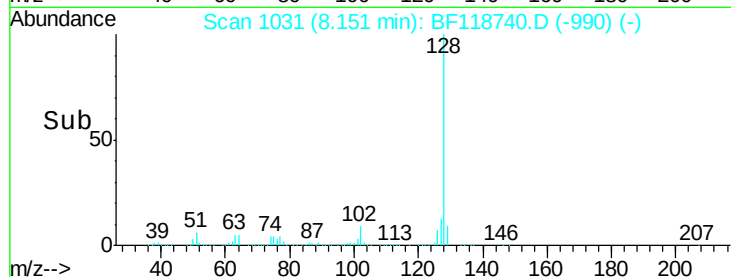
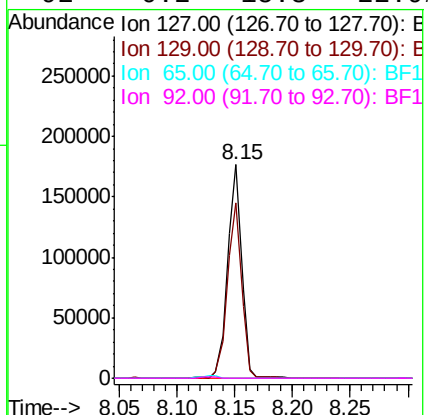
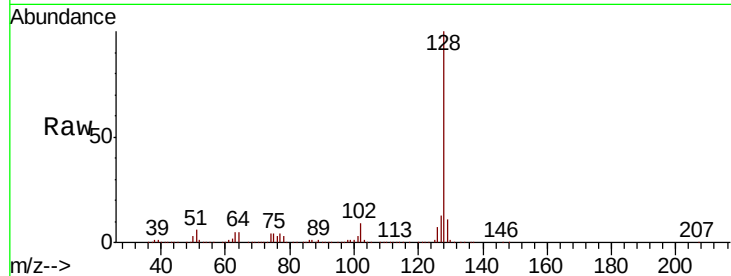




#33
4-Chloroaniline
Concen: 6.670 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

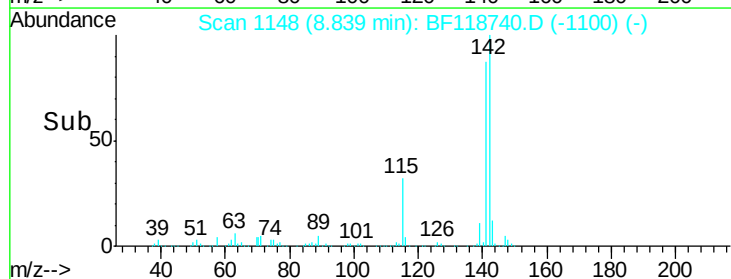
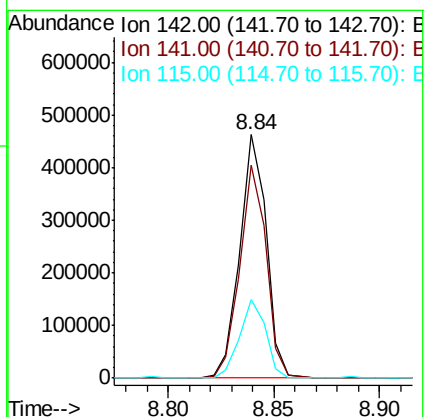
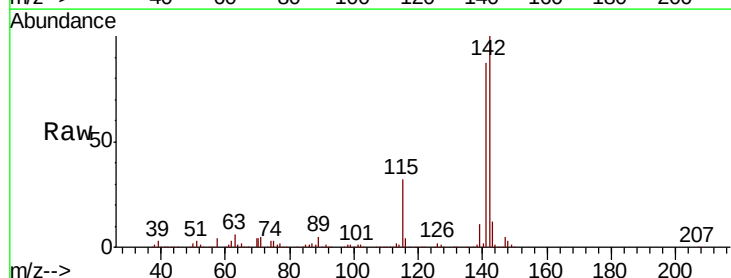
Instrument :
BNA_F
ClientSampled :

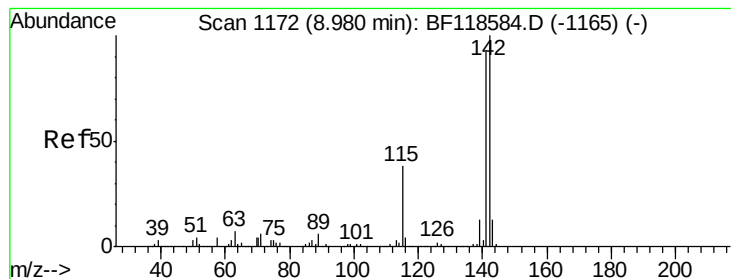
Tot Ion	Ratio	Lower	Upper
127	100		
129	81.9	26.4	39.6#
65	0.0	22.6	33.8#
92	0.2	15.3	22.9#



#37
2-Methylnaphthalene
Concen: 11.801 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.4	107.0
115	32.4	27.5	41.3





#38

1-Methylnaphthalene

Concen: 17.557 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

Instrument :

BNA_F

ClientSampleId :

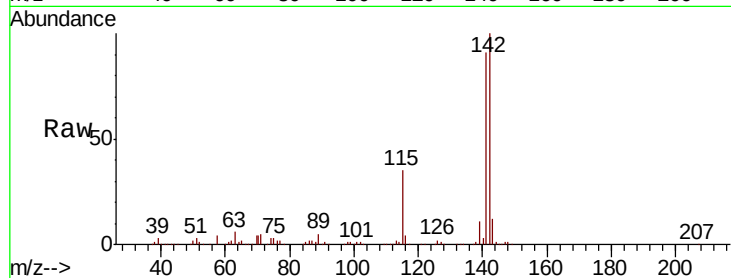
Tot Ion:142 Resp: 570770

Ion Ratio Lower Upper

142 100

141 91.0 73.5 110.3

116 3.8 3.0 4.6



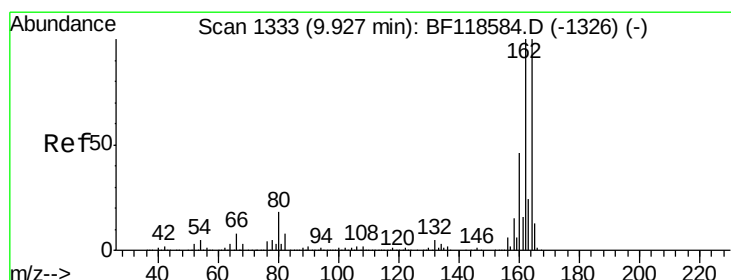
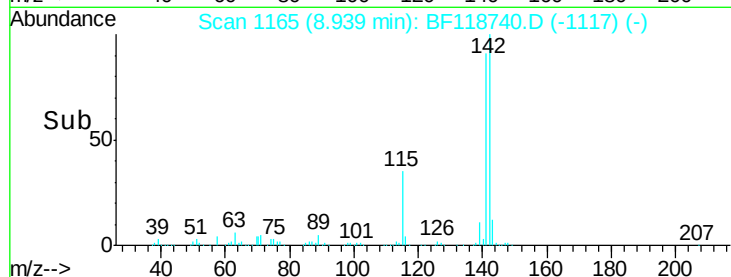
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

8.94

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

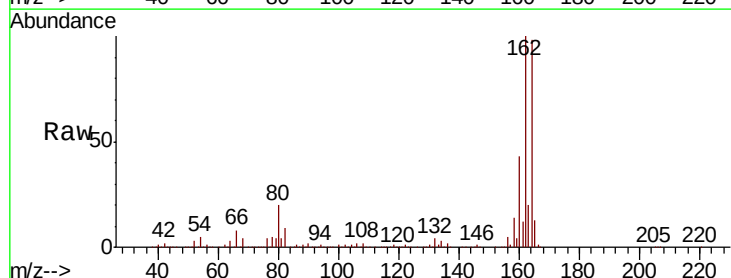
Tgt Ion:164 Resp: 587609

Ion Ratio Lower Upper

164 100

162 102.1 80.8 121.2

160 44.4 35.4 53.0



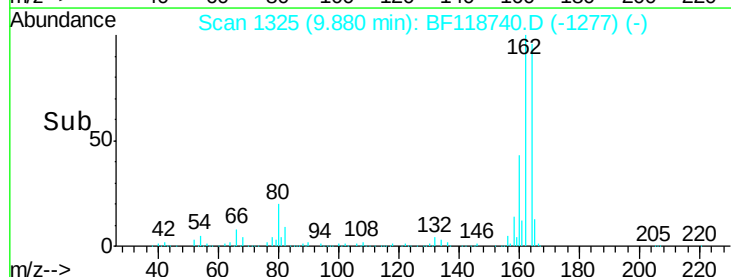
Abundance Ion 164.00 (163.70 to 164.70): E

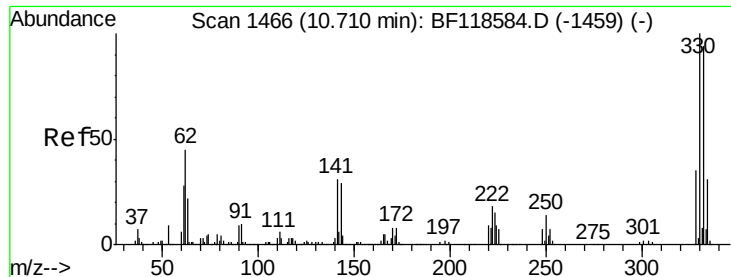
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

9.88

Time-->

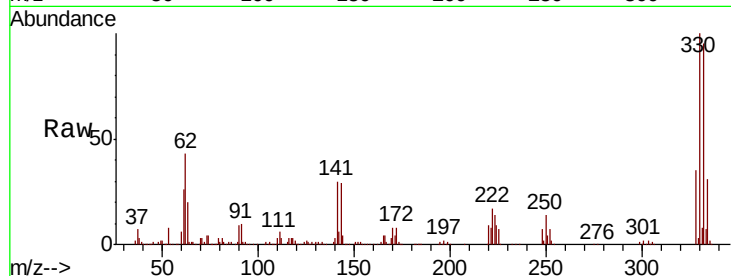




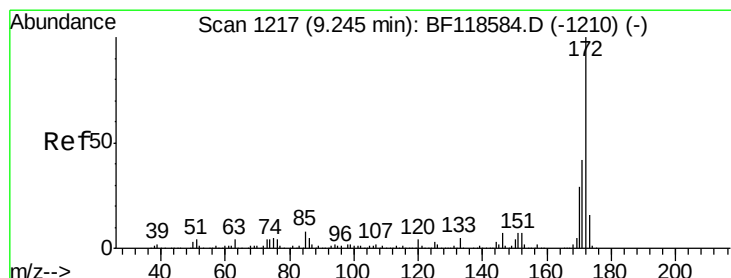
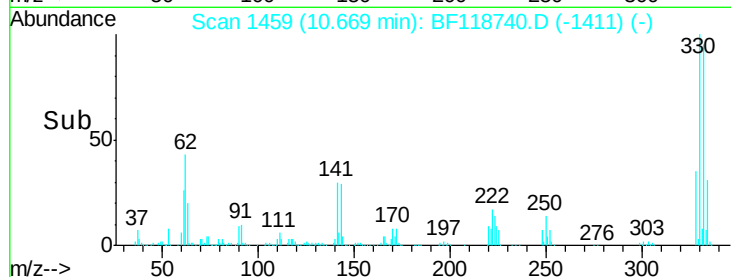
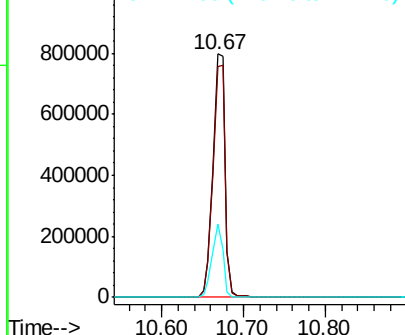
#42
 2,4,6-Tribromophenol
 Concen: 122.052 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF118740.D
 Acq: 29 Jan 2020 19:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 829520
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.6 116.4
 141 27.5 22.2 33.2

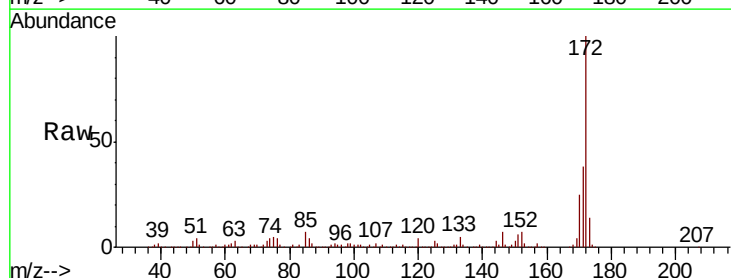


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

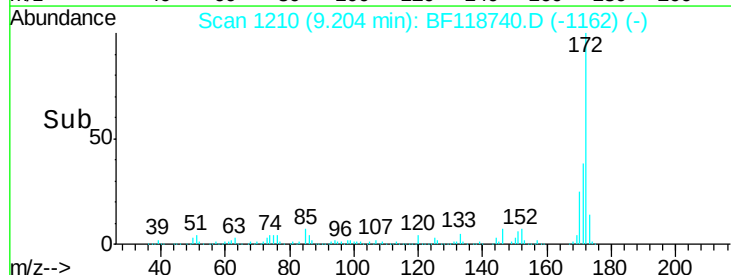
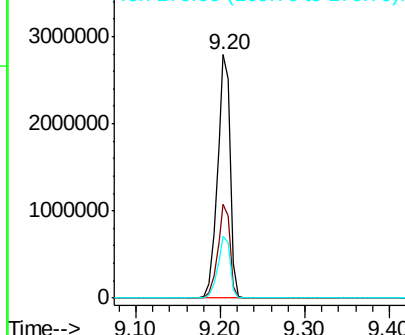


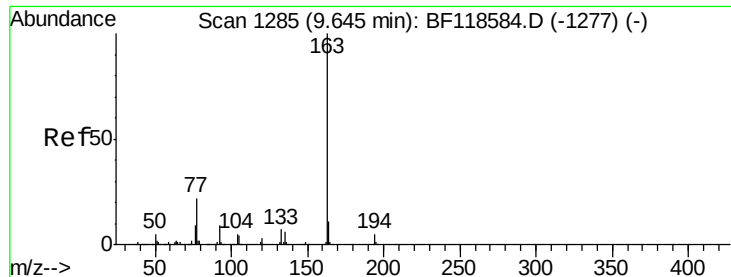
#45
 2-Fluorobiphenyl
 Concen: 83.722 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF118740.D
 Acq: 29 Jan 2020 19:17

Tgt Ion:172 Resp: 2993134
 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

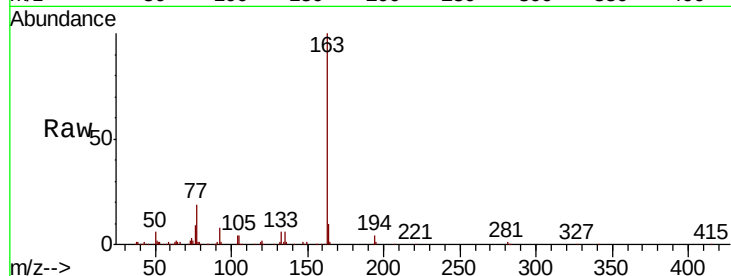




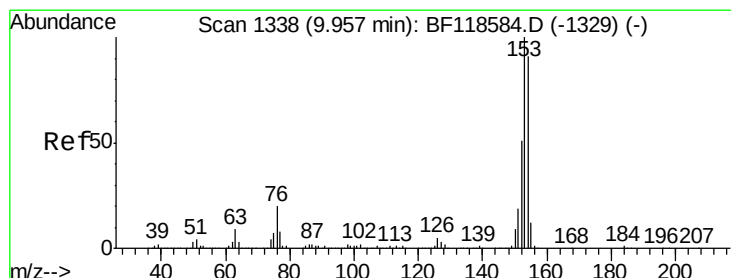
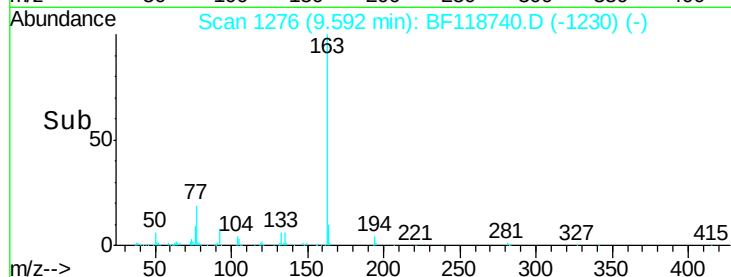
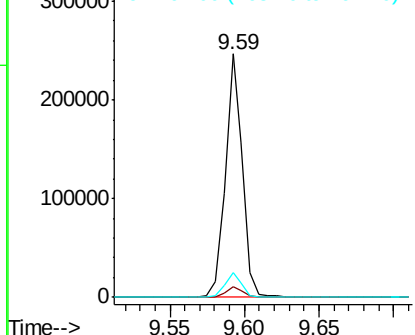
#50
Dimethylphthalate
Concen: 5.166 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 197784
Ion Ratio Lower Upper
163 100
194 4.3 3.7 5.5
164 10.0 8.2 12.2

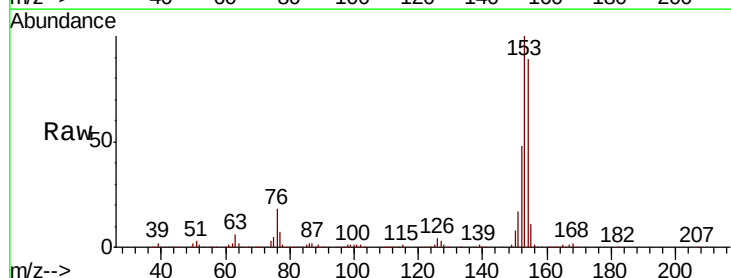


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

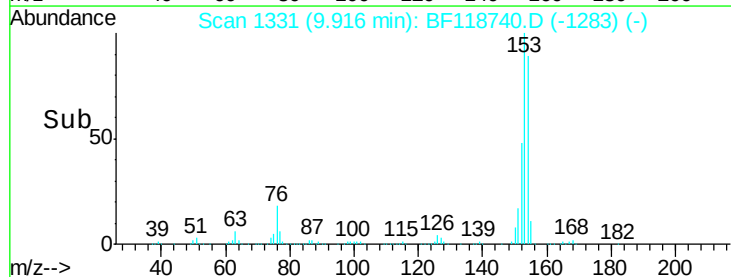
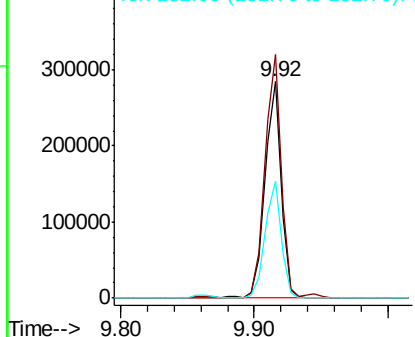


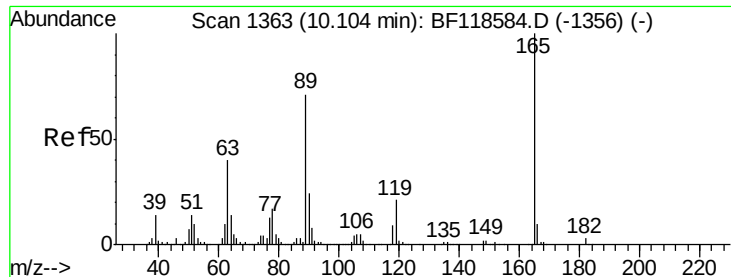
#52
Acenaphthene
Concen: 7.454 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

Tgt Ion:154 Resp: 239355
Ion Ratio Lower Upper
154 100
153 112.4 89.1 133.7
152 53.7 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

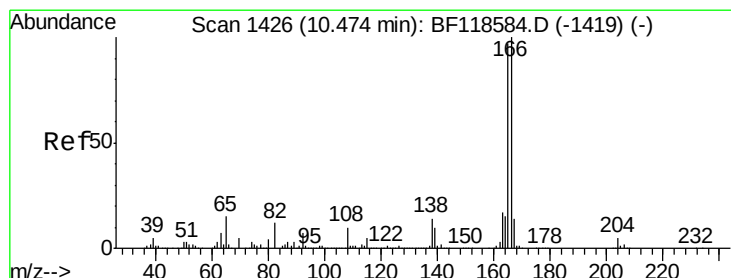
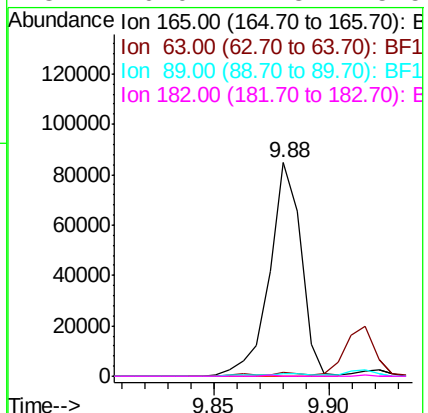
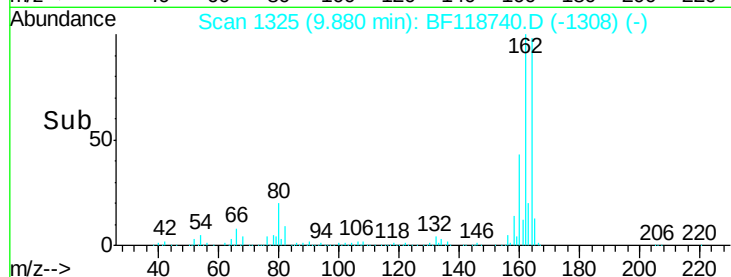
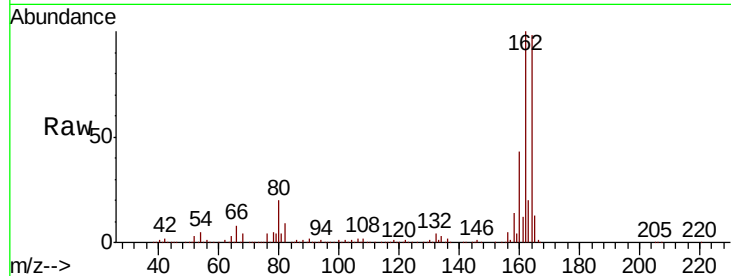




#57
 2,4-Dinitrotoluene
 Concen: 7.432 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF118740.D
 Acq: 29 Jan 2020 19:17

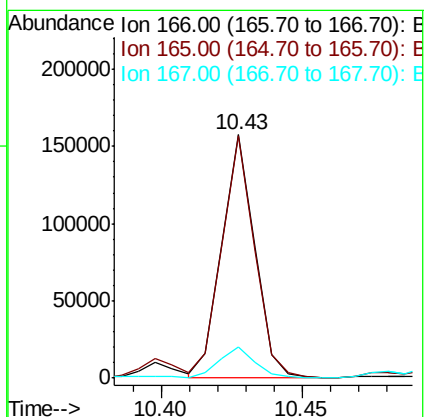
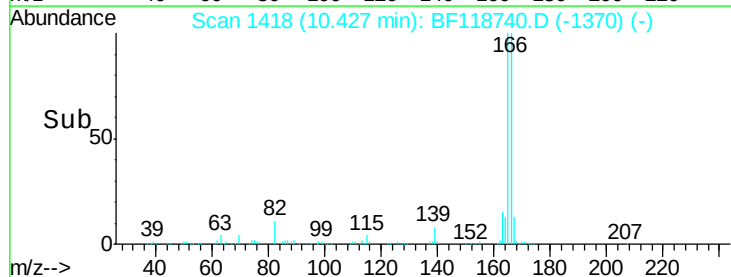
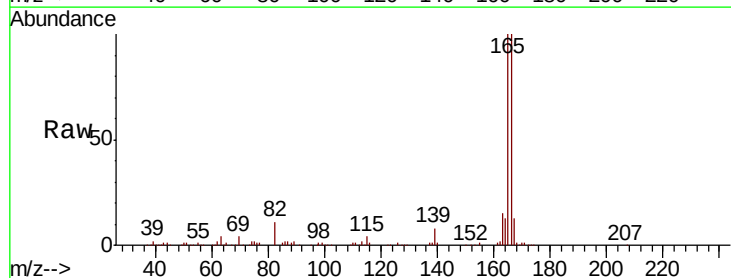
Instrument :
 BNA_F
 ClientSampleId :

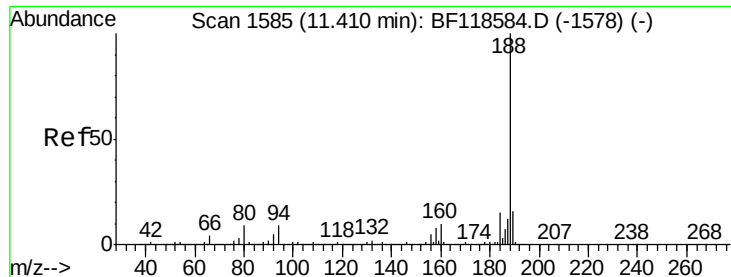
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	28.5	42.7#
89	1.4	50.4	75.6#
182	0.0	2.3	3.5#



#58
 Fluorene
 Concen: 3.659 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF118740.D
 Acq: 29 Jan 2020 19:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.6	118.0
167	12.9	11.4	17.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

Instrument :

BNA_F

ClientSampled :

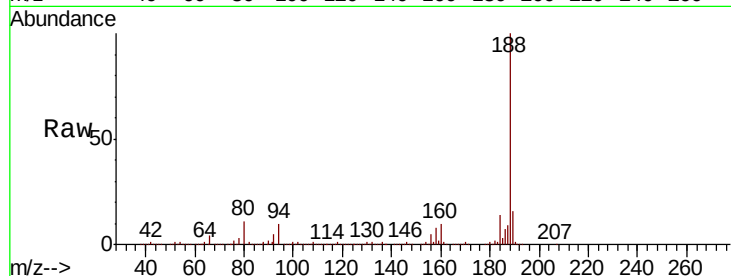
Tot Ion:188 Resp: 1019116

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

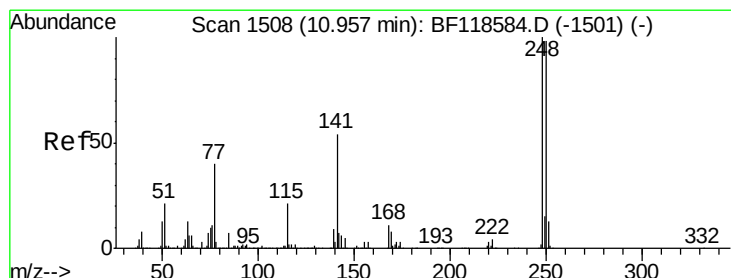
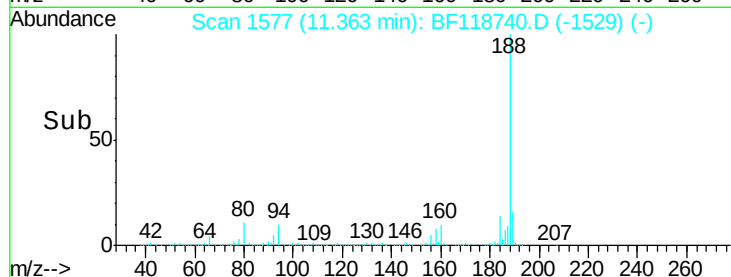
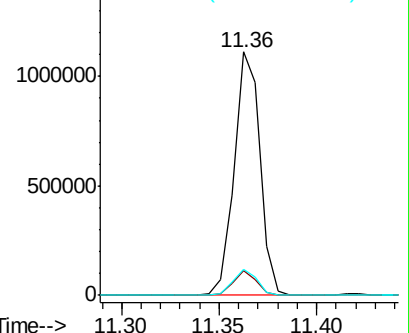
80 10.7 7.8 11.8



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: 4.255 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.26 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

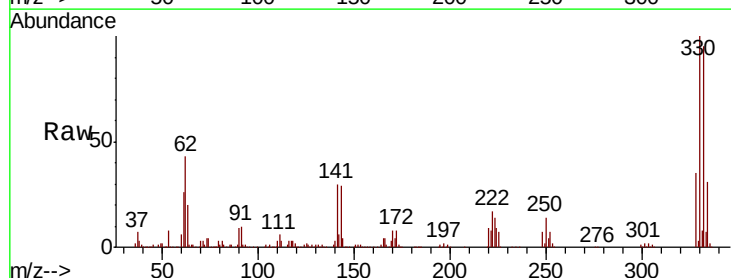
Tgt Ion:248 Resp: 53576

Ion Ratio Lower Upper

248 100

250 198.2 78.7 118.1#

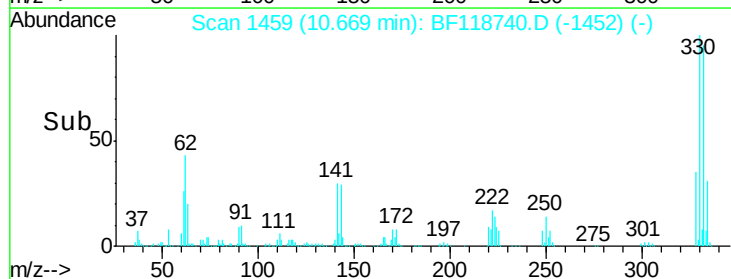
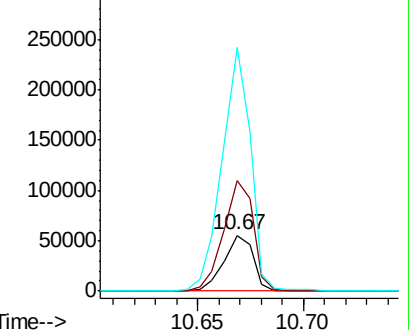
141 438.5 48.4 72.6#

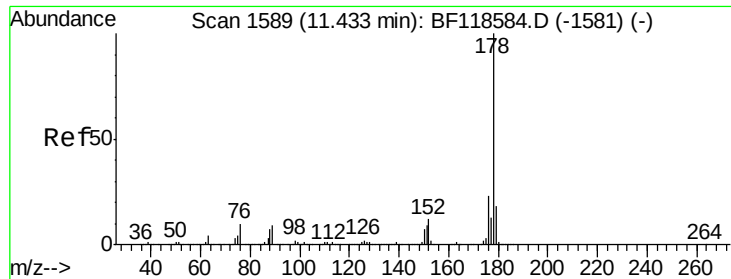


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

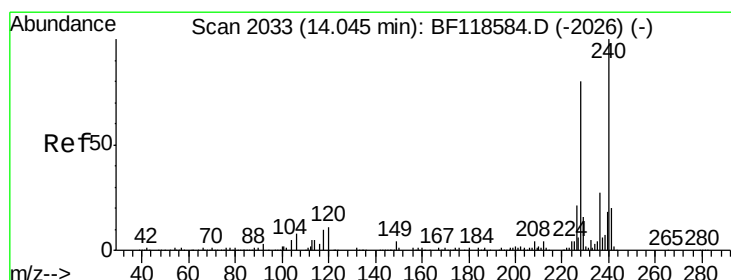
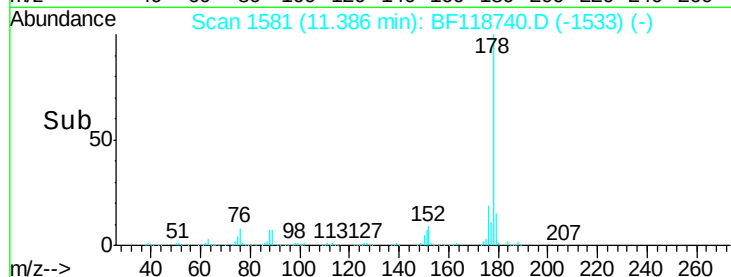
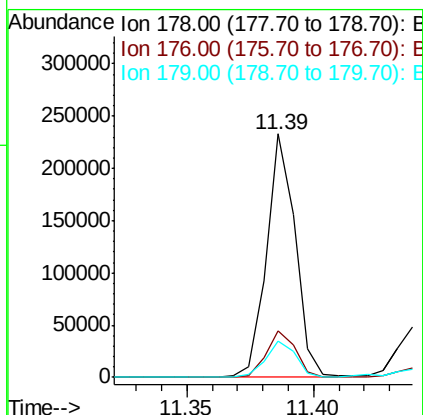
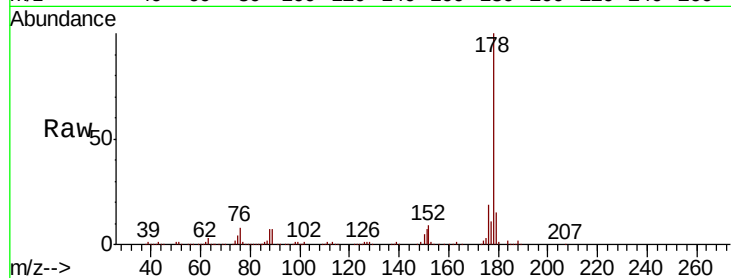




#71
Phenanthrene
Concen: 3.768 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

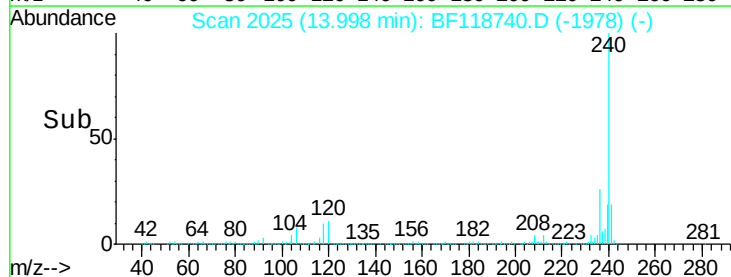
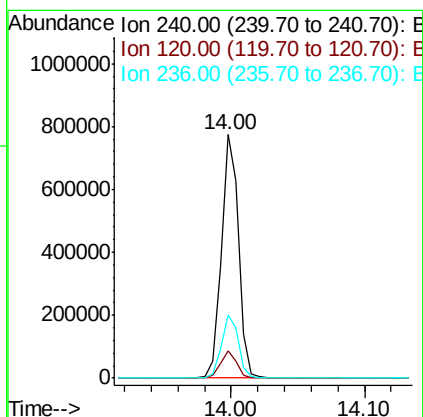
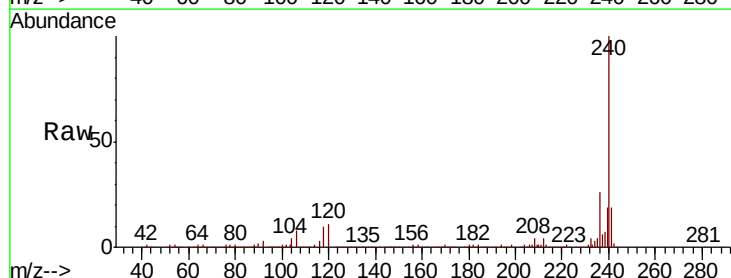
Instrument :
BNA_F
ClientSampleId :

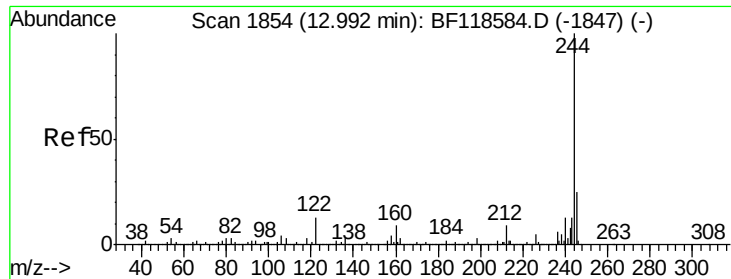
Tot Ion:178 Resp: 185259
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 14.9 13.3 19.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF118740.D
Acq: 29 Jan 2020 19:17

Tgt Ion:240 Resp: 700953
Ion Ratio Lower Upper
240 100
120 11.1 7.6 11.4
236 25.9 21.0 31.4





#79

Terphenyl-d14

Concen: 103.851 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF118740.D

Acq: 29 Jan 2020 19:17

Instrument :

BNA_F

ClientSampleId :

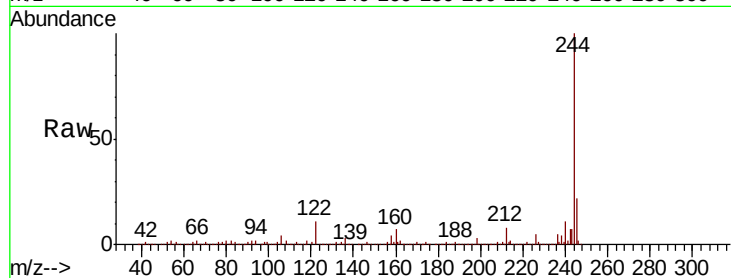
Tot Ion:244 Resp: 3337541

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

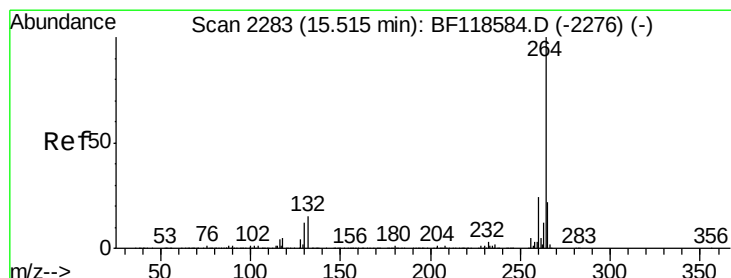
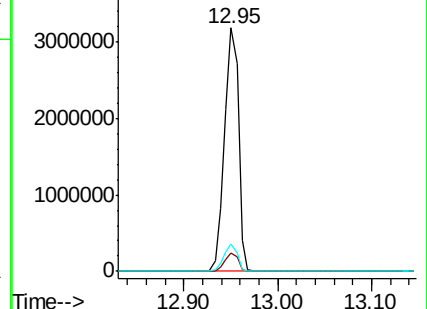
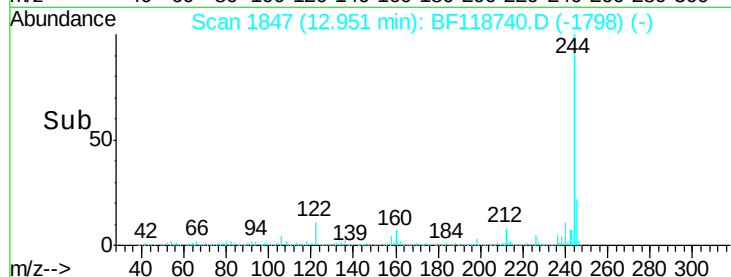
122 11.4 9.2 13.8



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: BF118740.D

Acq: 29 Jan 2020 19:17

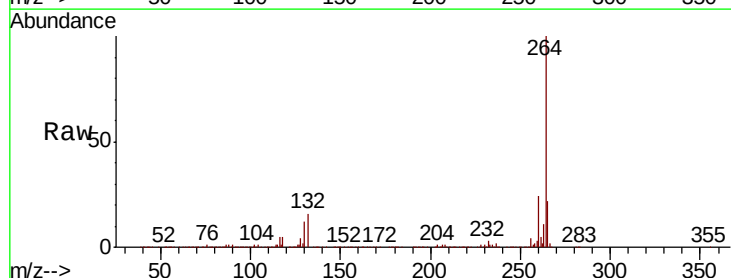
Tgt Ion:264 Resp: 765640

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 21.9 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

