

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120786.D
 Acq On : 7 Jul 2020 14:40
 Operator : JU/CG
 Sample : L3215-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: Jul 07 16:24:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	158761	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	340001	20.00	ng	0.01
39) Acenaphthene-d10	9.89	164	317134	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	577498	20.00	ng	0.00
76) Chrysene-d12	14.00	240	454068	20.00	ng	0.00
86) Perylene-d12	15.47	264	387082	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	583138	56.70	ng	0.00
7) Phenol-d6	6.46	99	428828	32.65	ng	-0.01
23) Nitrobenzene-d5	7.42	82	824460	140.49	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	457609	143.63	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1696525	80.94	ng	0.00
79) Terphenyl-d14	12.96	244	2001614	86.31	ng	0.00

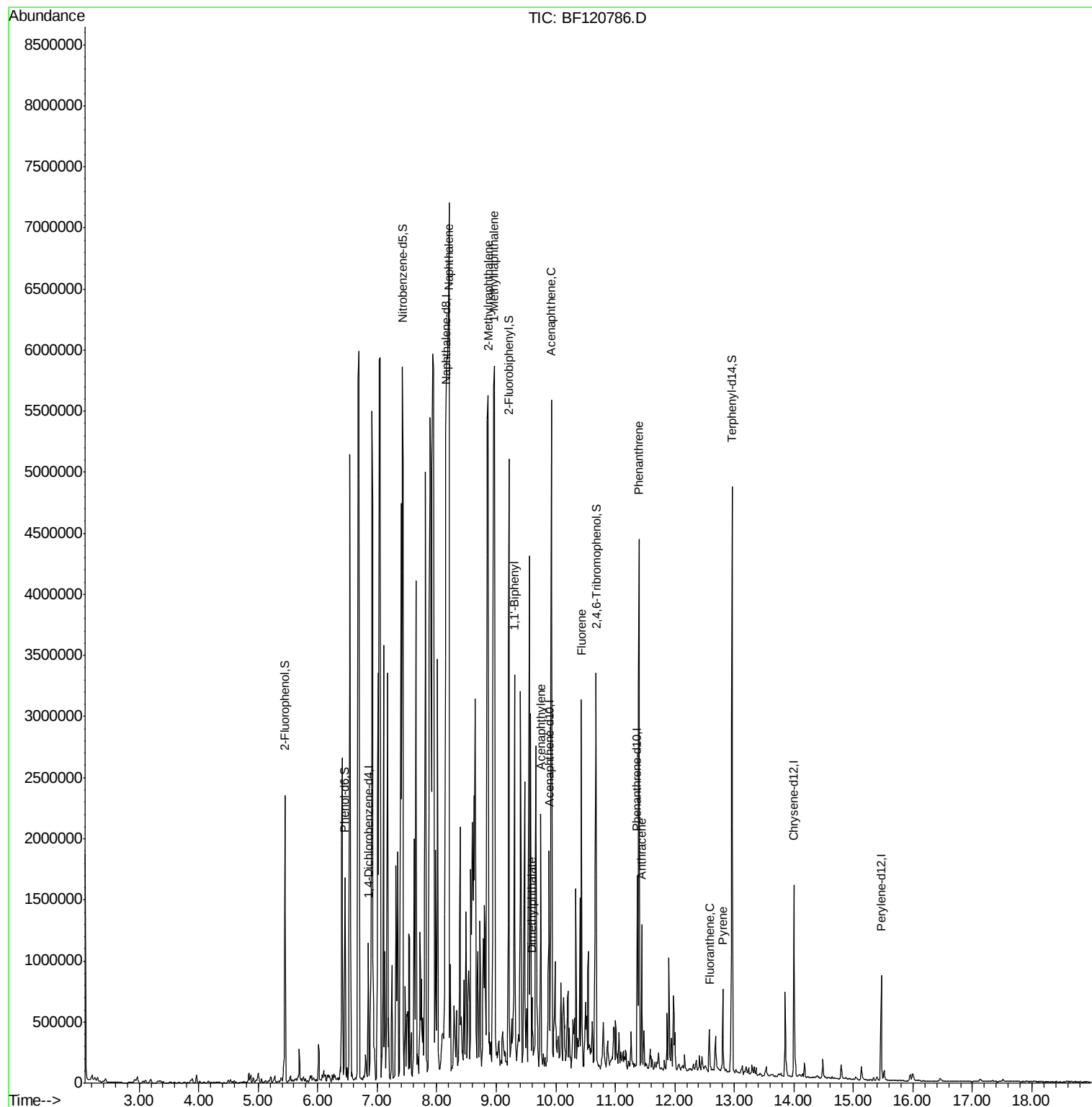
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.20	128	10385793	571.574	ng	95
37) 2-Methylnaphthalene	8.86	142	2901224	245.616	ng	96
38) 1-Methylnaphthalene	8.97	142	3469572	313.582	ng	# 97
46) 1,1'-Biphenyl	9.31	154	743315	29.057	ng	99
49) Acenaphthylene	9.75	152	100862	3.139	ng	# 37
50) Dimethylphthalate	9.60	163	172333	7.449	ng	99
52) Acenaphthene	9.93	154	1571912	78.861	ng	98
58) Fluorene	10.43	166	774991	36.238	ng	99
71) Phenanthrene	11.40	178	1582654	50.509	ng	98
72) Anthracene	11.45	178	373986	11.811	ng	99
75) Fluoranthene	12.58	202	135612	4.063	ng	98
78) Pyrene	12.80	202	282495	7.790	ng	97

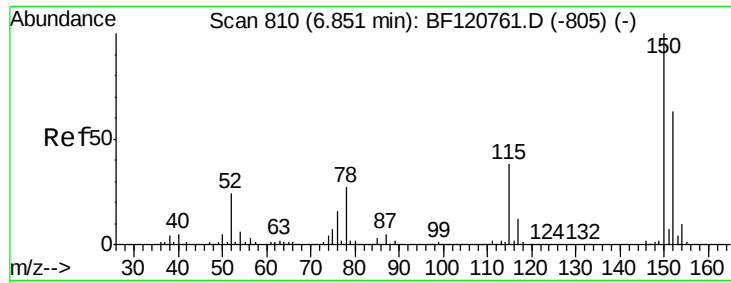
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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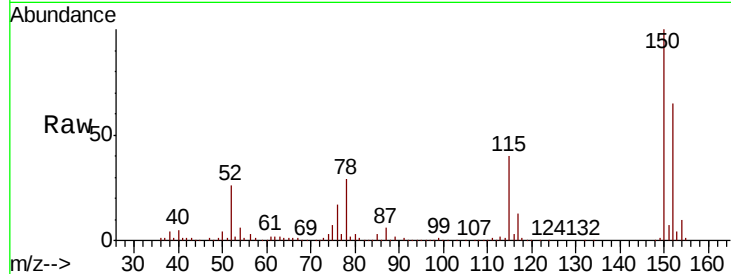


#1

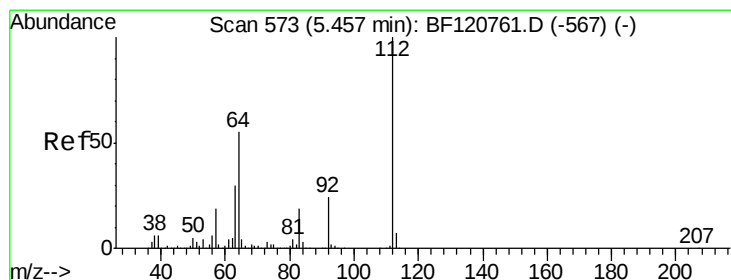
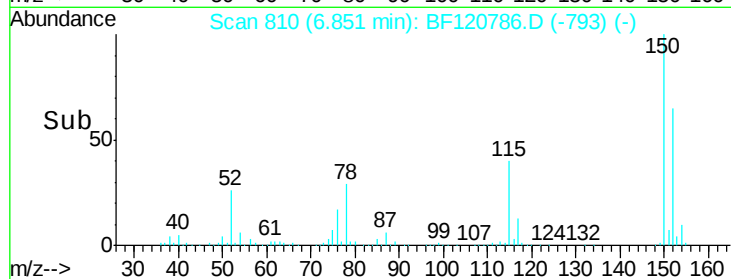
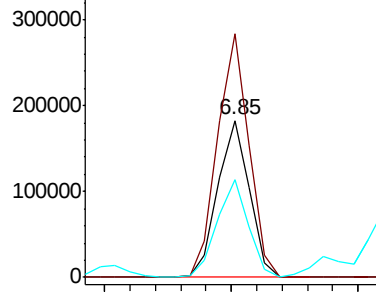
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.1	189.1
115	61.8	48.5	72.7



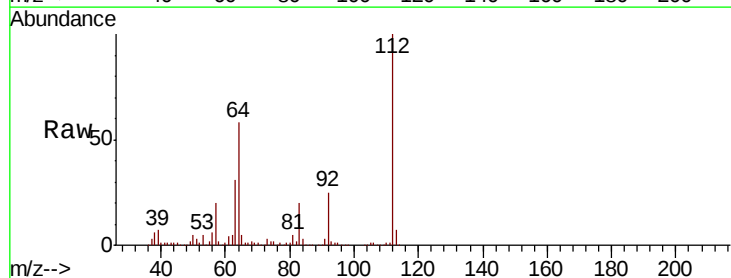
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



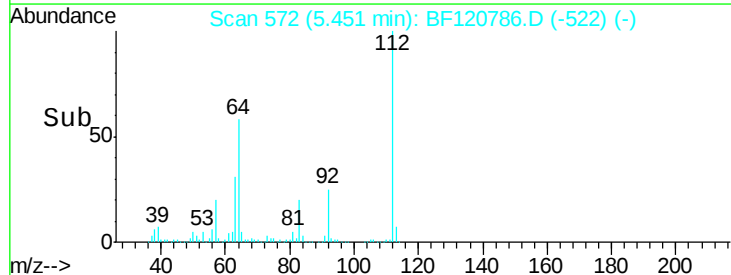
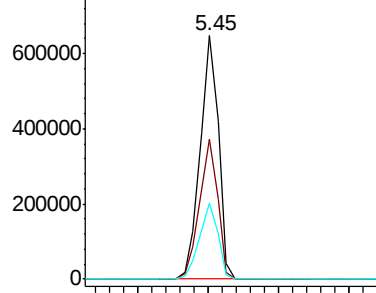
#5

2-Fluorophenol
Concen: 56.699 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	43.8	65.6
63	31.0	23.6	35.4



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: 32.650 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

Instrument :

BNA_F

ClientSampled :

MW-14

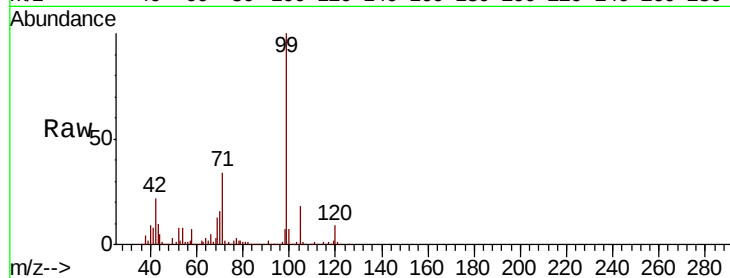
Tot Ion: 99 Resp: 428828

Ion Ratio Lower Upper

99 100

42 21.8 15.4 23.0

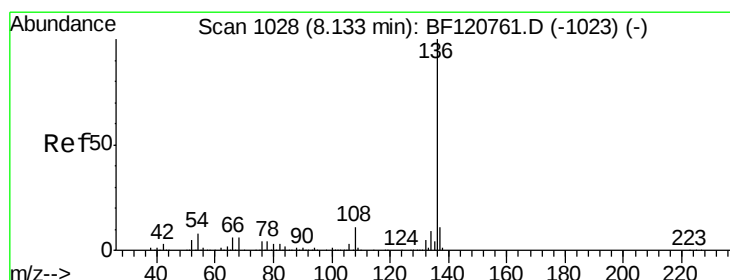
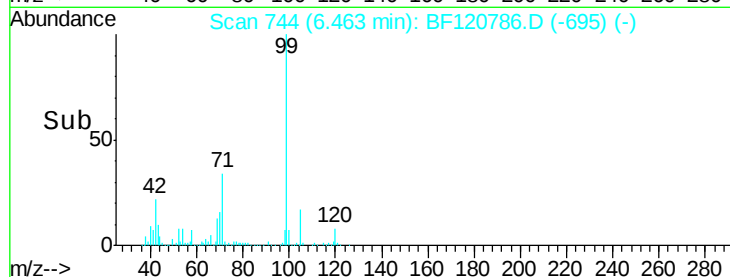
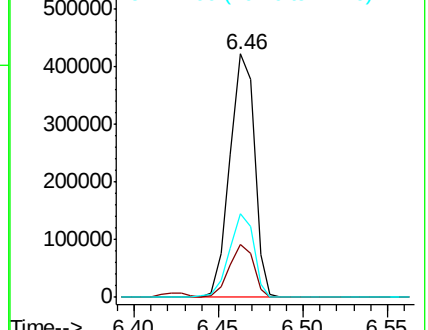
71 34.5 25.9 38.9



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: 8.15 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

Tgt Ion: 136 Resp: 340001

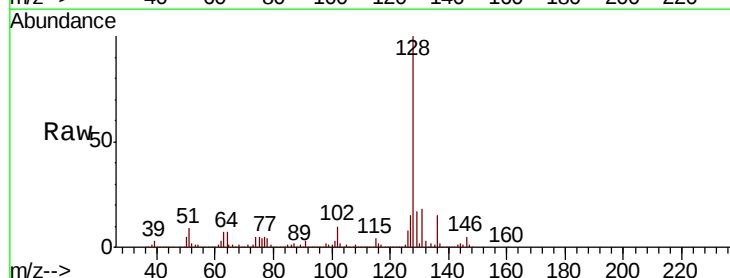
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.6

54 8.0 6.2 9.4

68 6.2 4.7 7.1

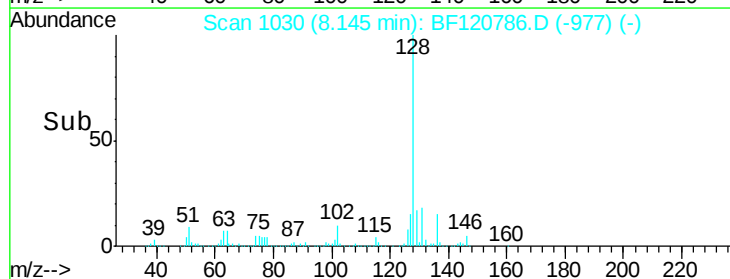
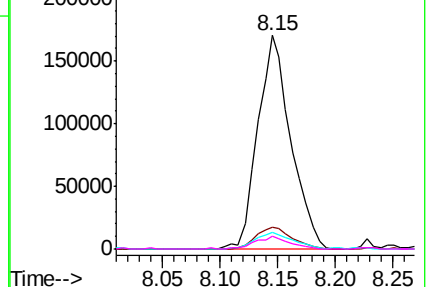


Abundance Ion 136.00 (135.70 to 136.70): E

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

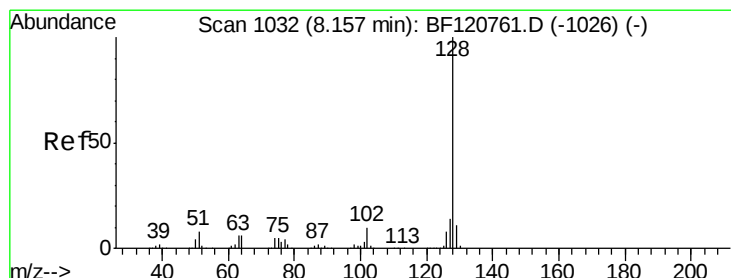
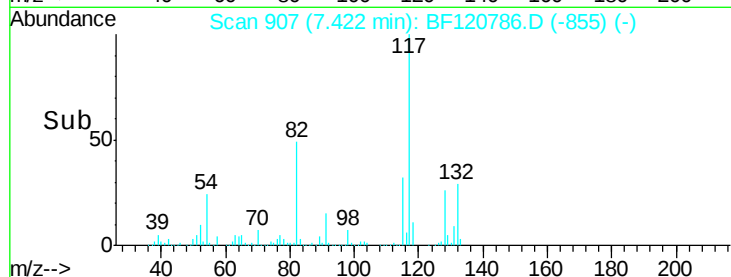
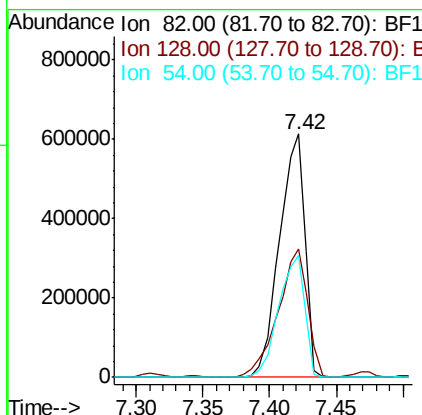
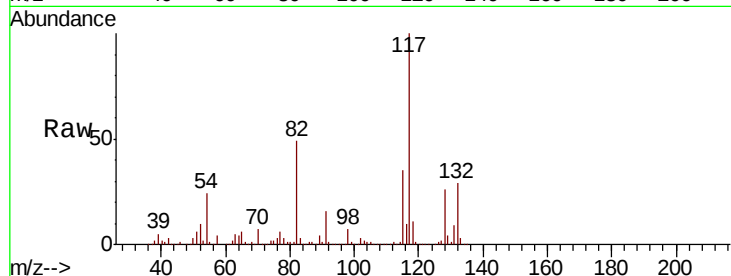




#23
Nitrobenzene-d5
Concen: 140.492 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

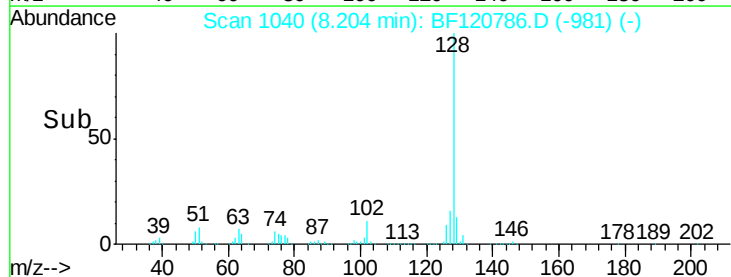
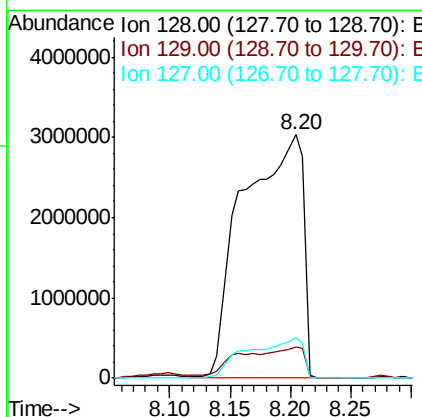
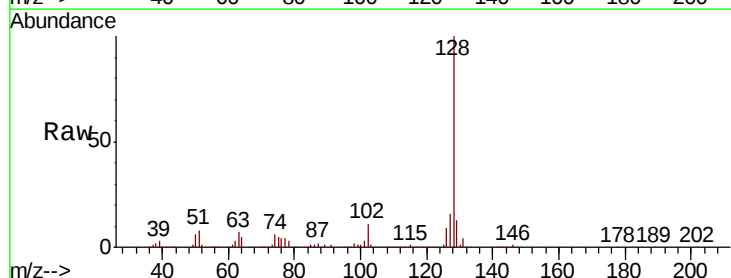
Instrument :
BNA_F
ClientSampleId :
MW-14

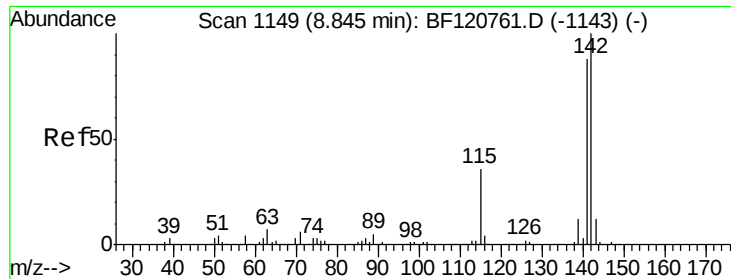
Tot Ion	82	Resp	824460
Ion Ratio	100	Lower	Upper
128	52.6	35.7	53.5
54	49.9	40.9	61.3



#31
Naphthalene
Concen: 571.574 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.05 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion	128	Resp	10385793
Ion Ratio	100	Lower	Upper
129	12.8	9.2	13.8
127	16.5	11.1	16.7

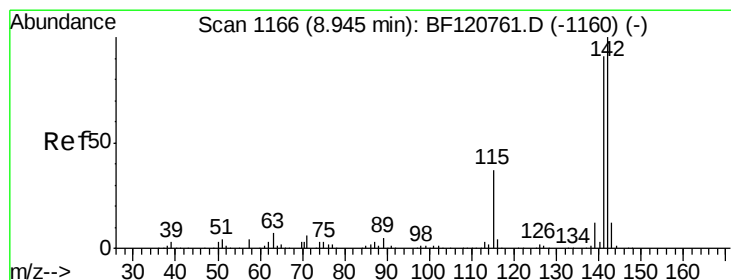
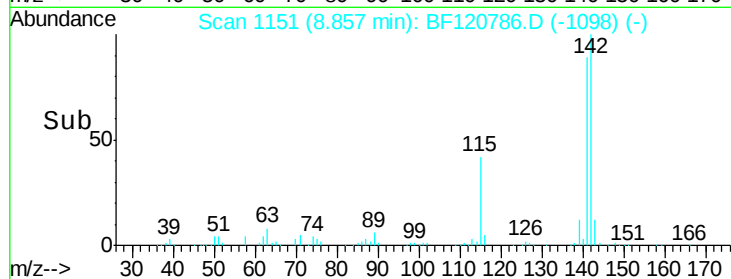
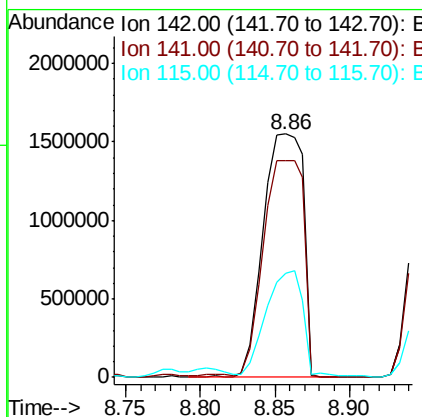
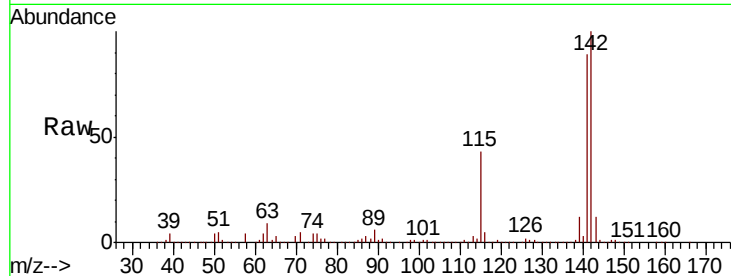




#37
2-Methylnaphthalene
Concen: 245.616 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

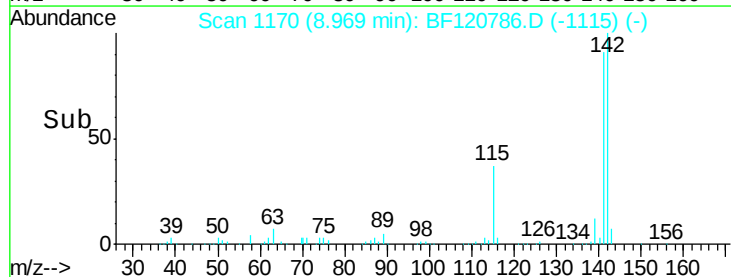
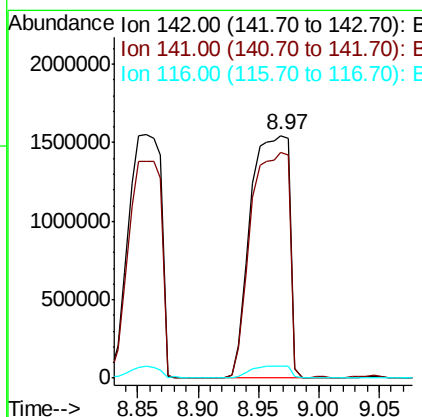
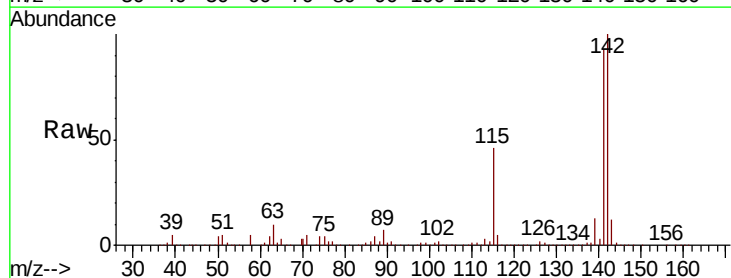
Instrument :
BNA_F
ClientSampleId :
MW-14

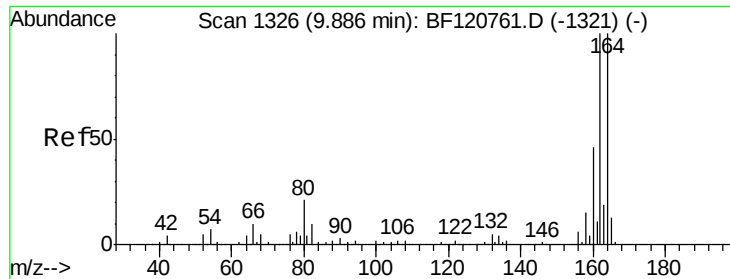
Tot Ion:142 Resp: 2901224
Ion Ratio Lower Upper
142 100
141 89.2 70.2 105.4
115 43.0 29.0 43.4



#38
1-Methylnaphthalene
Concen: 313.582 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.02 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:142 Resp: 3469572
Ion Ratio Lower Upper
142 100
141 93.0 72.5 108.7
116 5.0 3.1 4.7#

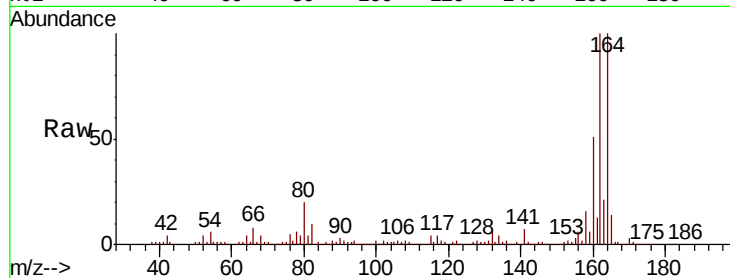




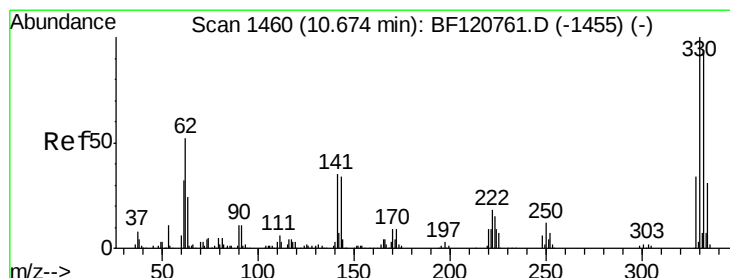
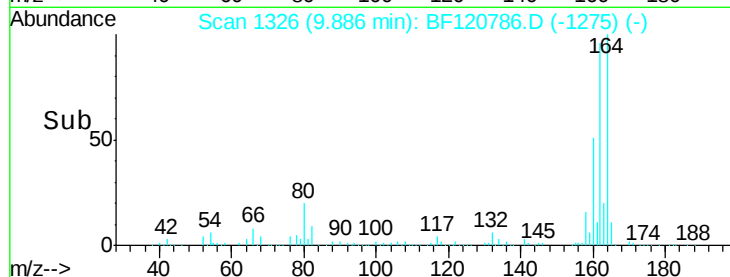
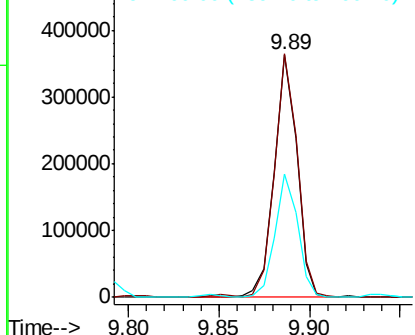
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:164 Resp: 317134
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.2
160 51.0 36.9 55.3

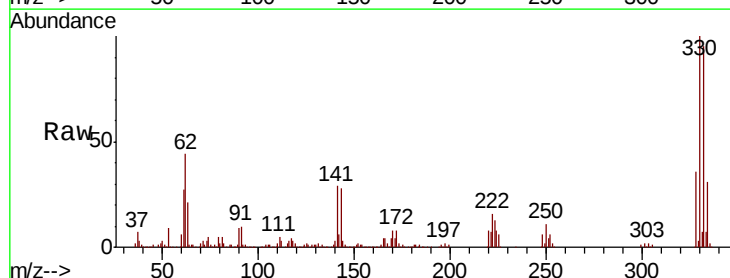


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

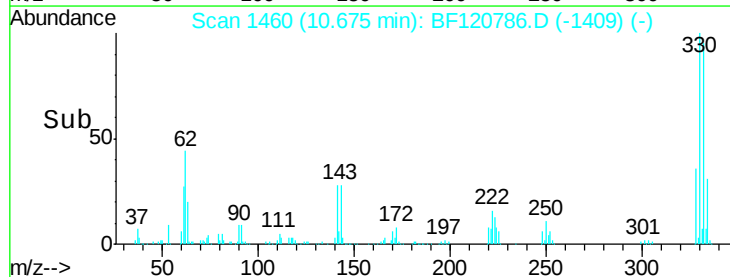
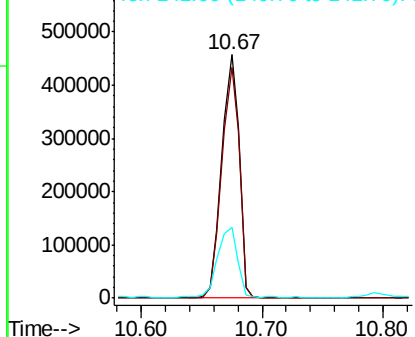


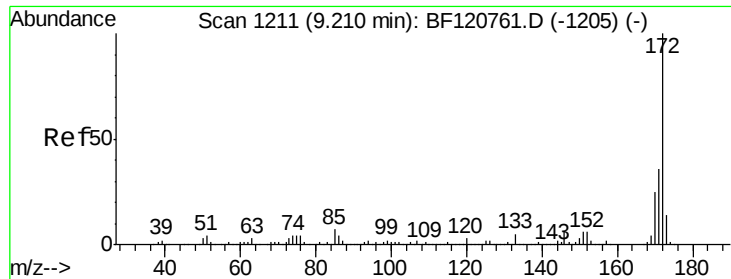
#42
2,4,6-Tribromophenol
Concen: 143.628 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:330 Resp: 457609
Ion Ratio Lower Upper
330 100
332 95.2 75.8 113.6
141 32.2 29.7 44.5



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

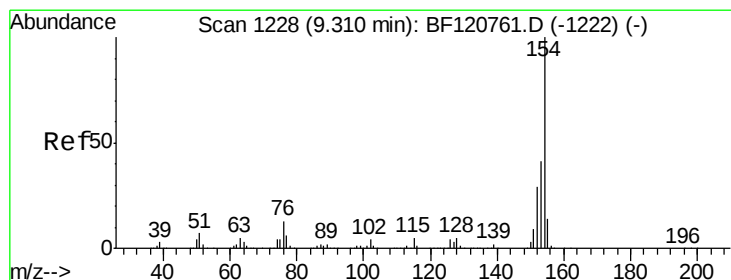
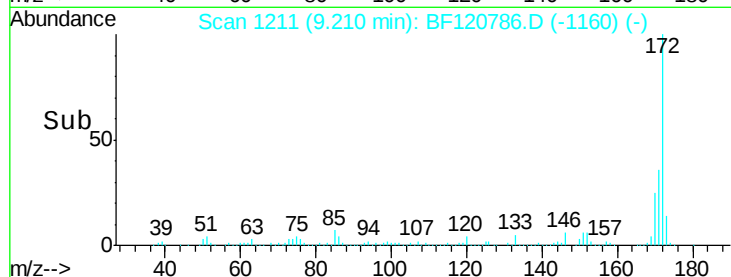
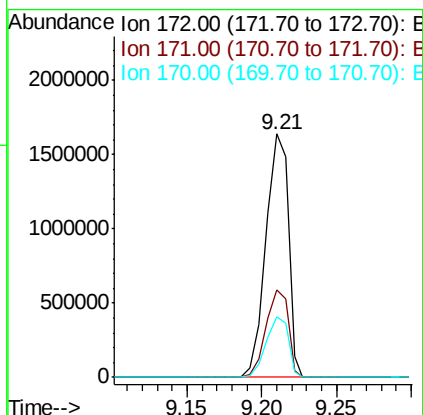
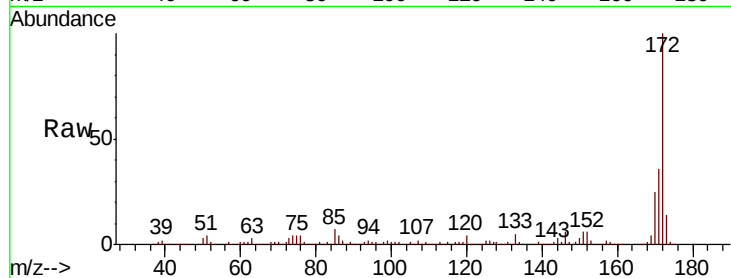




#45
2-Fluorobiphenyl
Concen: 80.936 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

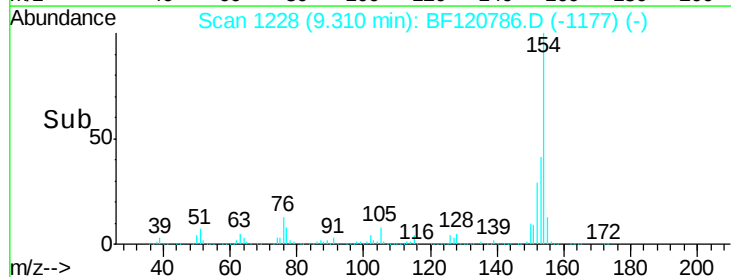
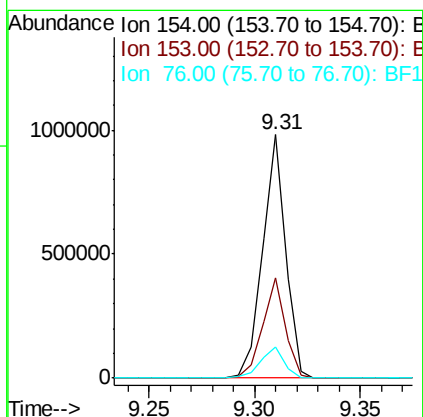
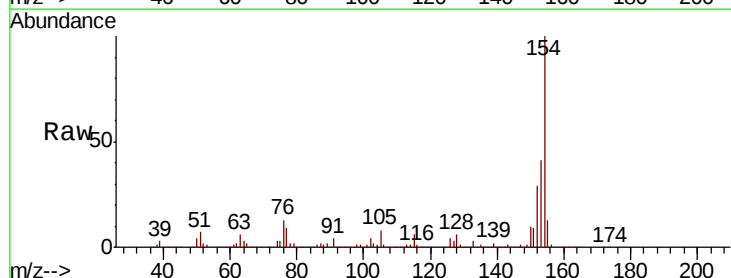
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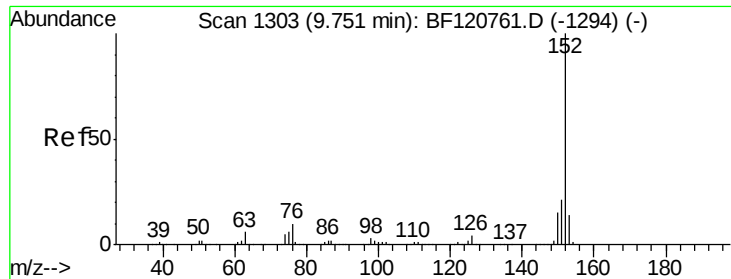
Tot Ion:172 Resp: 1696525
Ion Ratio Lower Upper
172 100
171 36.0 29.1 43.7
170 24.8 19.8 29.6



#46
1,1'-Biphenyl
Concen: 29.057 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:154 Resp: 743315
Ion Ratio Lower Upper
154 100
153 40.9 20.7 60.7
76 12.8 0.0 33.3





#49

Acenaphthylene

Concen: 3.139 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

Instrument :

BNA_F

ClientSampleId :

MW-14

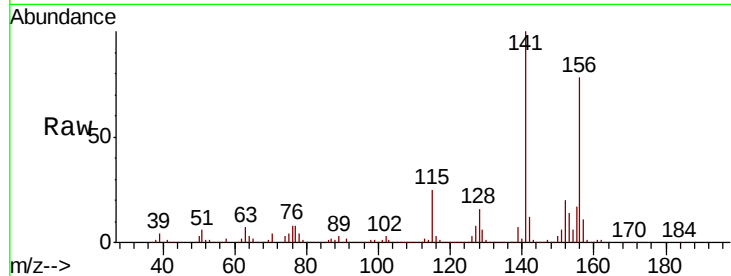
Tot Ion:152 Resp: 100862

Ion Ratio Lower Upper

152 100

151 27.3 16.9 25.3#

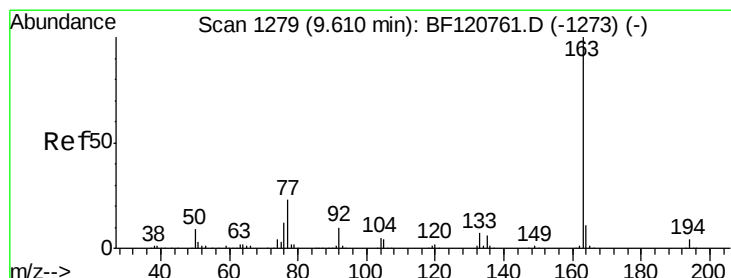
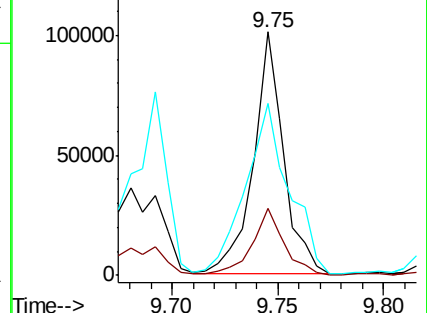
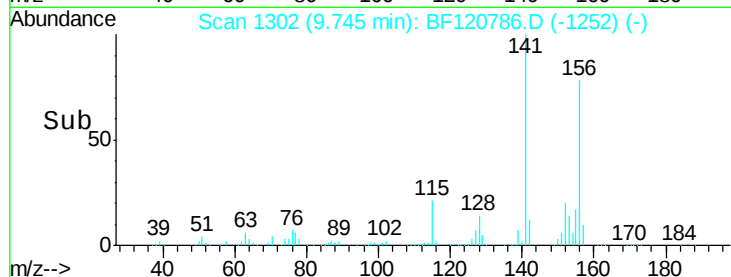
153 70.6 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.449 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

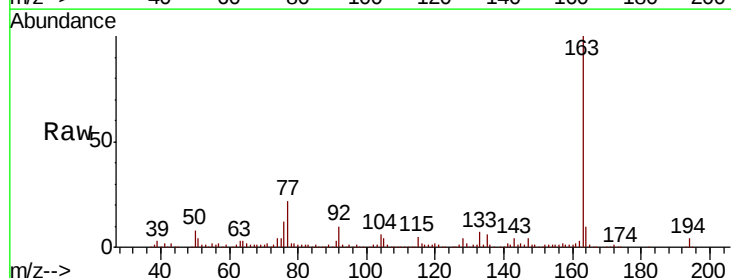
Tgt Ion:163 Resp: 172333

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

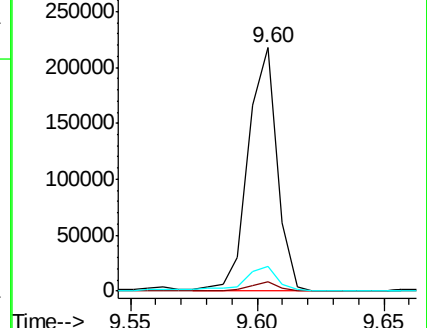
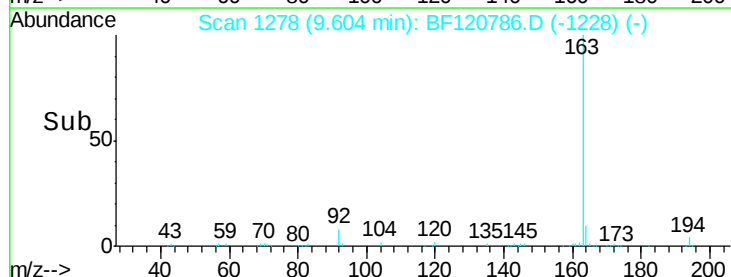
164 10.1 8.5 12.7

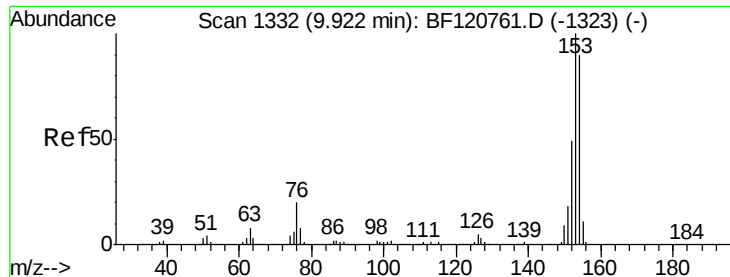


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 78.861 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

Instrument :

BNA_F

ClientSampleId :

MW-14

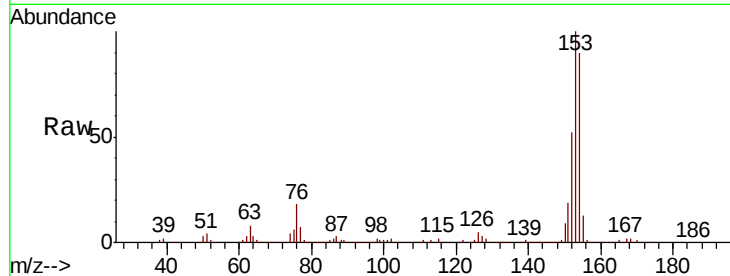
Tot Ion:154 Resp: 1571912

Ion Ratio Lower Upper

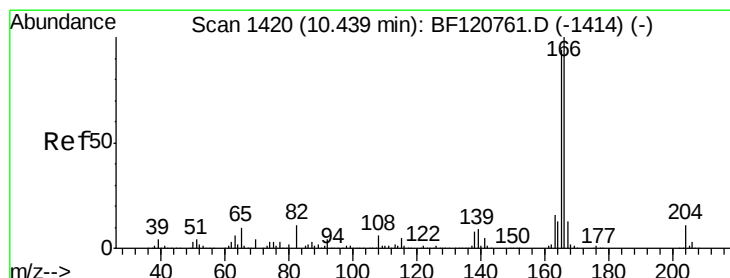
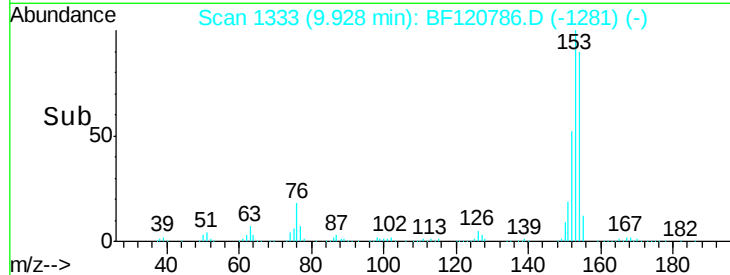
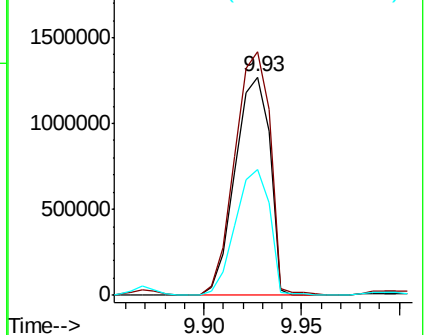
154 100

153 111.6 88.6 132.8

152 57.6 43.6 65.4



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



#58

Fluorene

Concen: 36.238 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

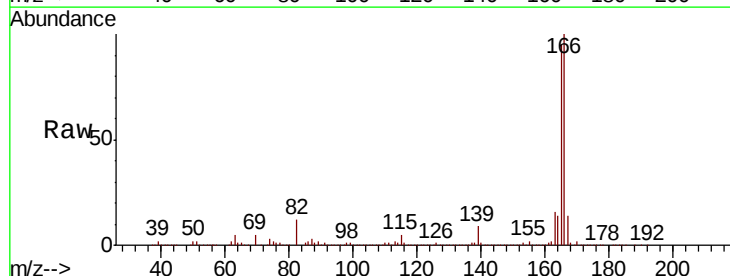
Tgt Ion:166 Resp: 774991

Ion Ratio Lower Upper

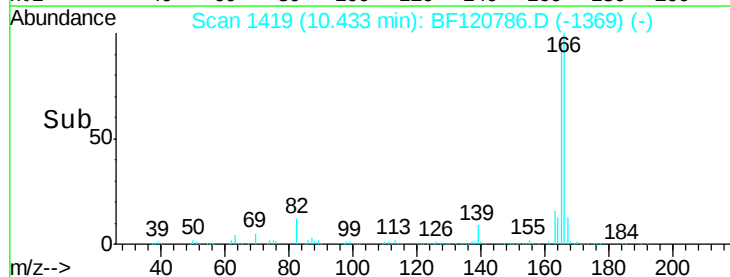
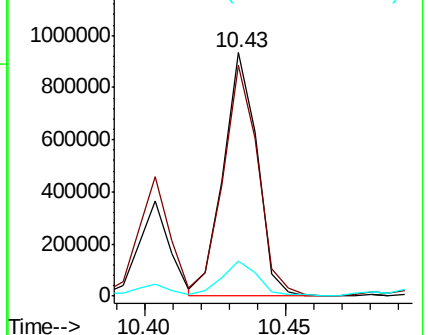
166 100

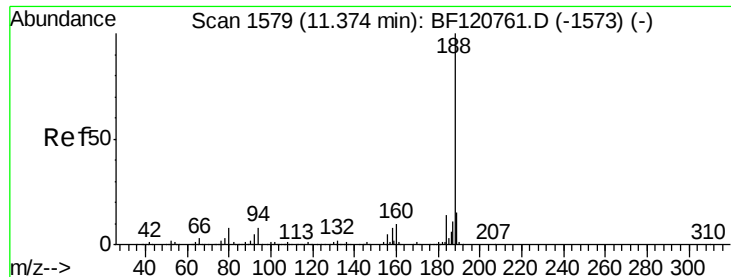
165 95.1 75.5 113.3

167 14.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

Instrument :

BNA_F

ClientSampleId :

MW-14

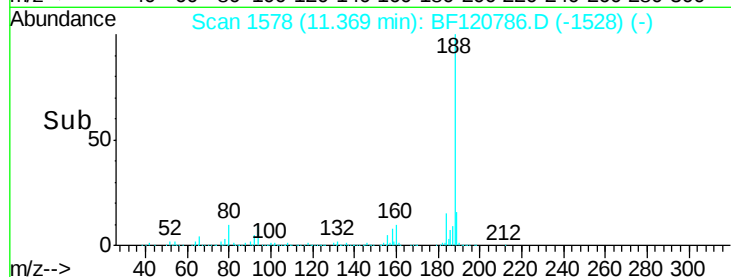
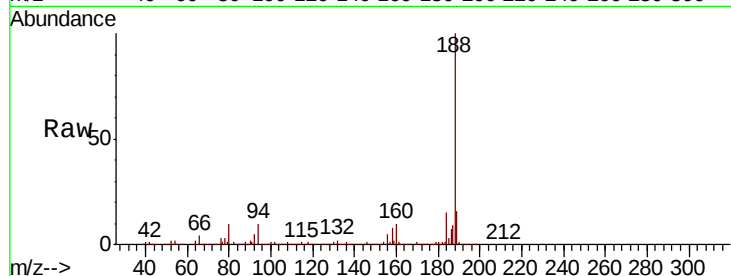
Tot Ion:188 Resp: 577498

Ion Ratio Lower Upper

188 100

94 9.6 6.6 9.8

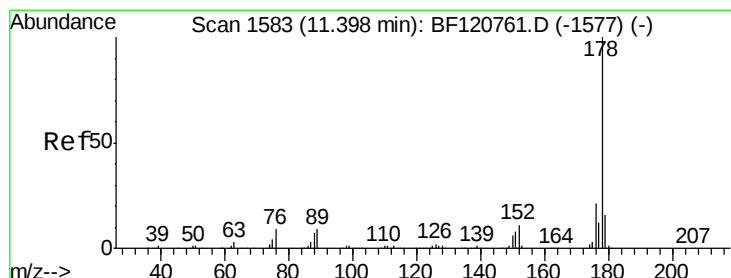
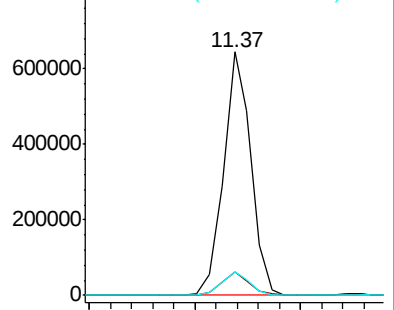
80 9.8 6.6 10.0



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



#71

Phenanthrene

Concen: 50.509 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

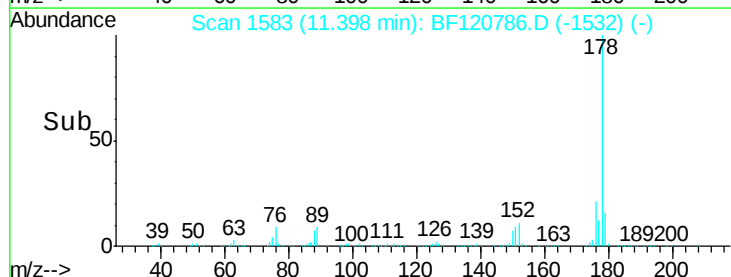
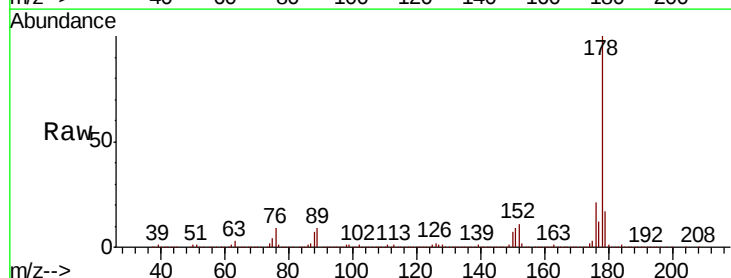
Tgt Ion:178 Resp: 1582654

Ion Ratio Lower Upper

178 100

176 21.3 16.4 24.6

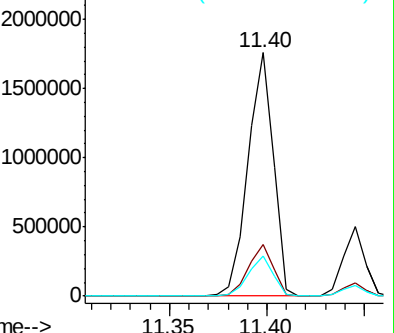
179 16.6 12.9 19.3

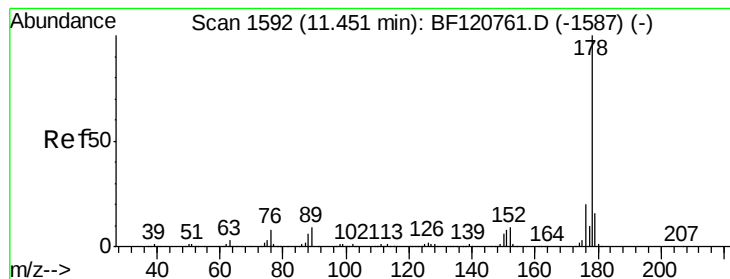


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 11.811 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

Instrument :

BNA_F

ClientSampleId :

MW-14

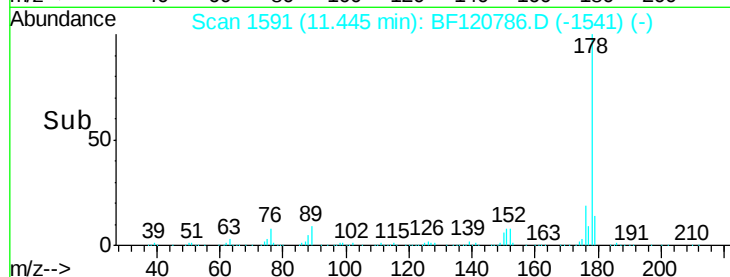
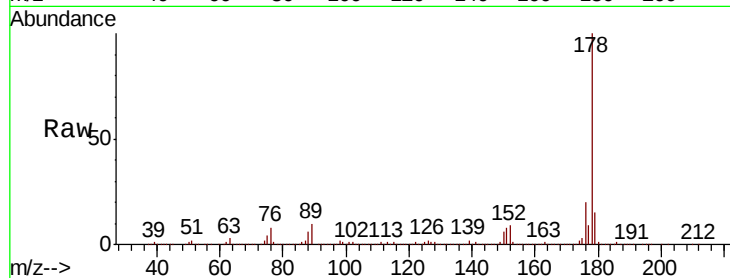
Tot Ion:178 Resp: 373986

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

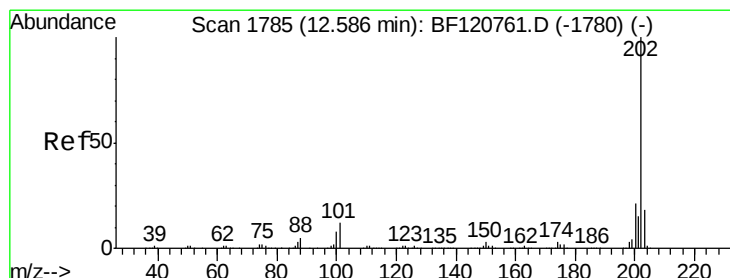
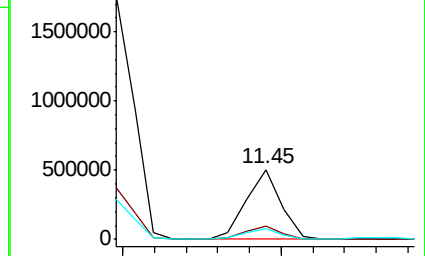
179 15.5 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.063 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF120786.D

Acq: 7 Jul 2020 14:40

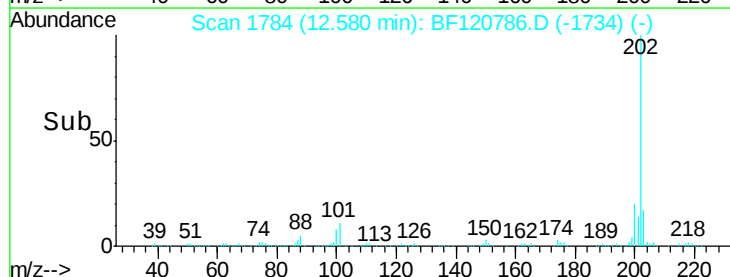
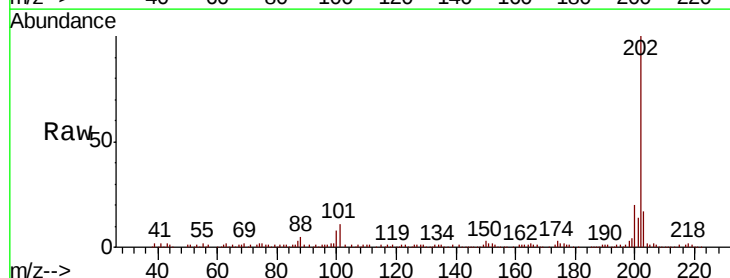
Tgt Ion:202 Resp: 135612

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.6

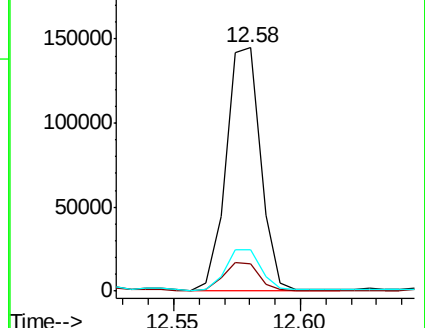
203 17.2 0.0 38.2

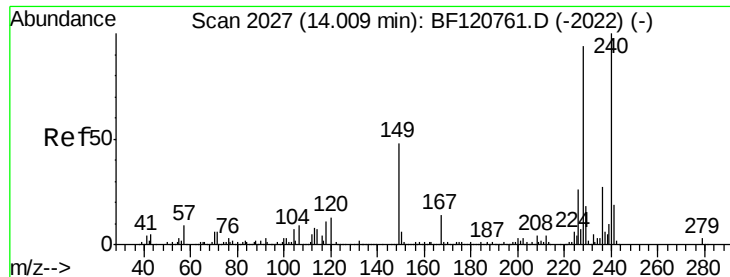


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

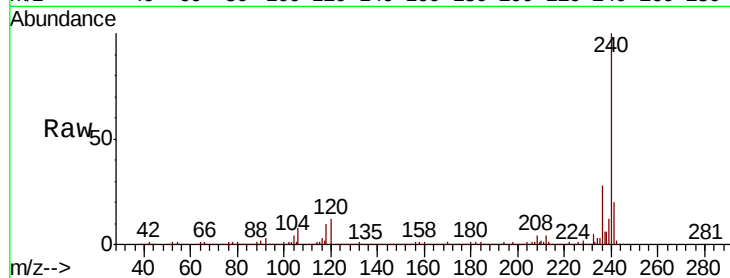




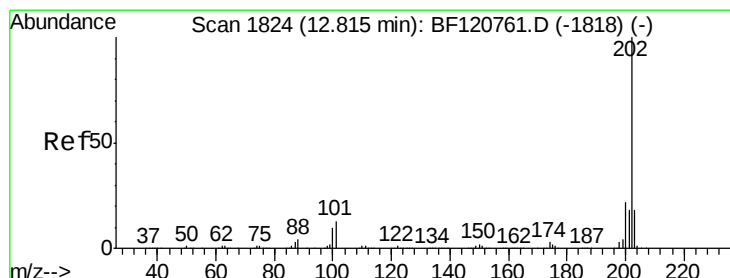
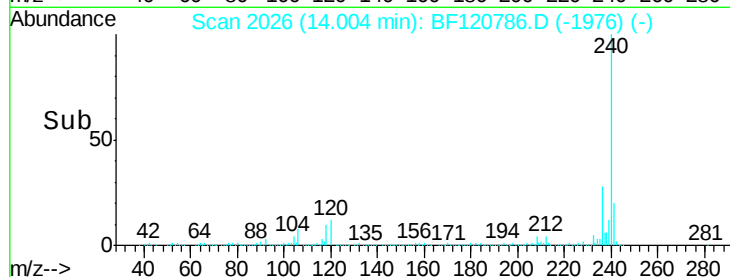
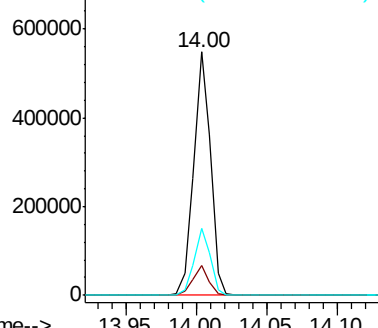
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:240 Resp: 454068
Ion Ratio Lower Upper
240 100
120 12.1 10.3 15.5
236 27.7 21.4 32.2

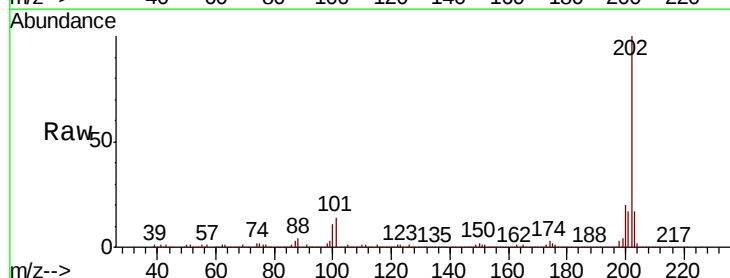


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

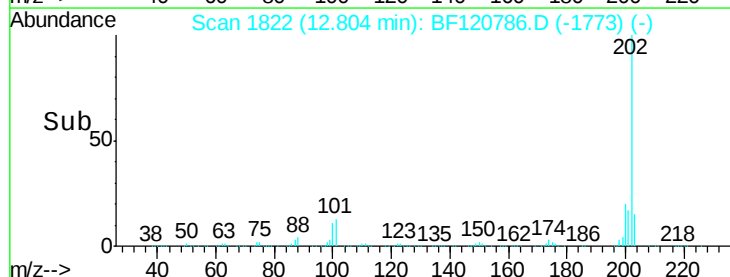
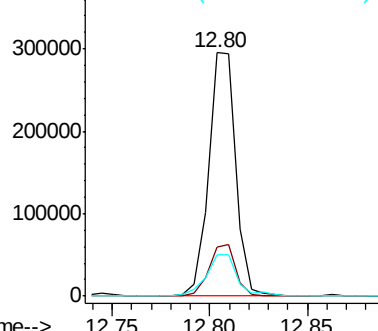


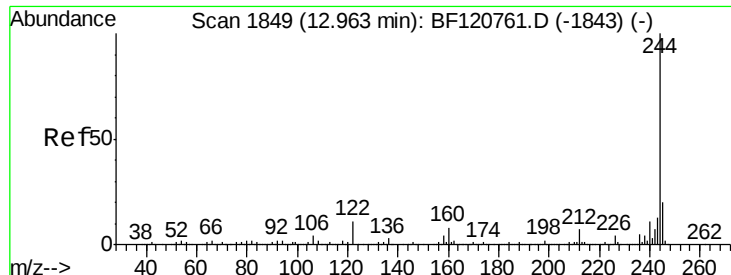
#78
Pyrene
Concen: 7.790 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:202 Resp: 282495
Ion Ratio Lower Upper
202 100
200 20.4 17.3 25.9
203 17.0 14.6 22.0



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

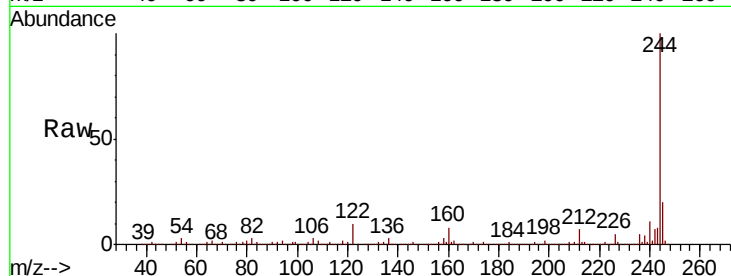




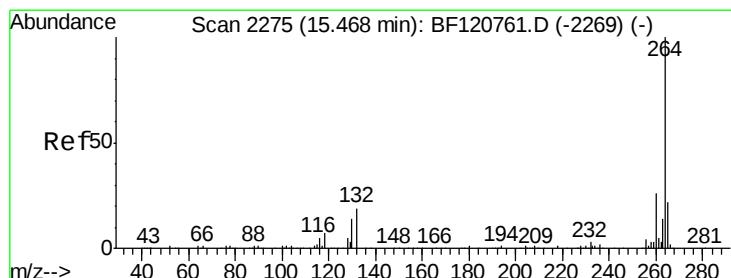
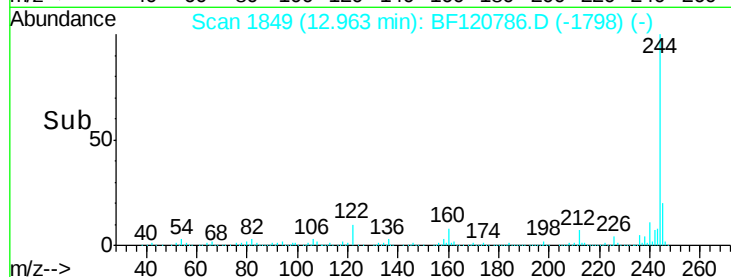
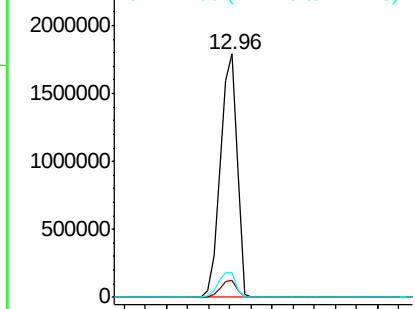
#79
 Terphenyl-d14
 Concen: 86.307 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF120786.D
 Acq: 7 Jul 2020 14:40

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Tot Ion:244 Resp: 2001614
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 10.1 9.0 13.4

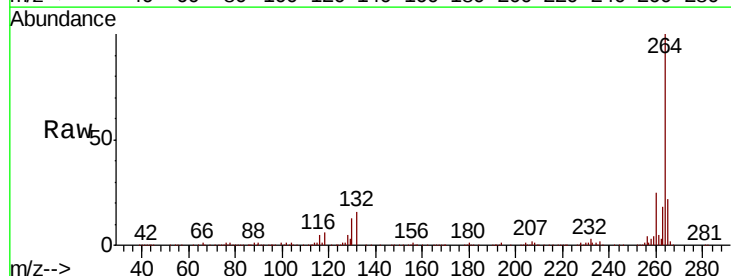


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BF120786.D
 Acq: 7 Jul 2020 14:40

Tgt Ion:264 Resp: 387082
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.6 30.8
 265 21.7 17.6 26.4



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

