

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114358.D
 Acq On : 17 May 2019 18:58
 Operator : JU/SJ
 Sample : K2894-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:04:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	183814	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	721570	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	344382	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	676976	20.00	ng	0.00
76) Chrysene-d12	14.02	240	494655	20.00	ng	0.00
87) Perylene-d12	15.51	264	459748	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1089268	95.36	ng	0.00
7) Phenol-d6	6.49	99	1439376	106.55	ng	0.00
23) Nitrobenzene-d5	7.41	82	872833	67.88	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	348016	97.75	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1450926	63.73	ng	0.00
79) Terphenyl-d14	12.95	244	1350697	56.29	ng	0.00

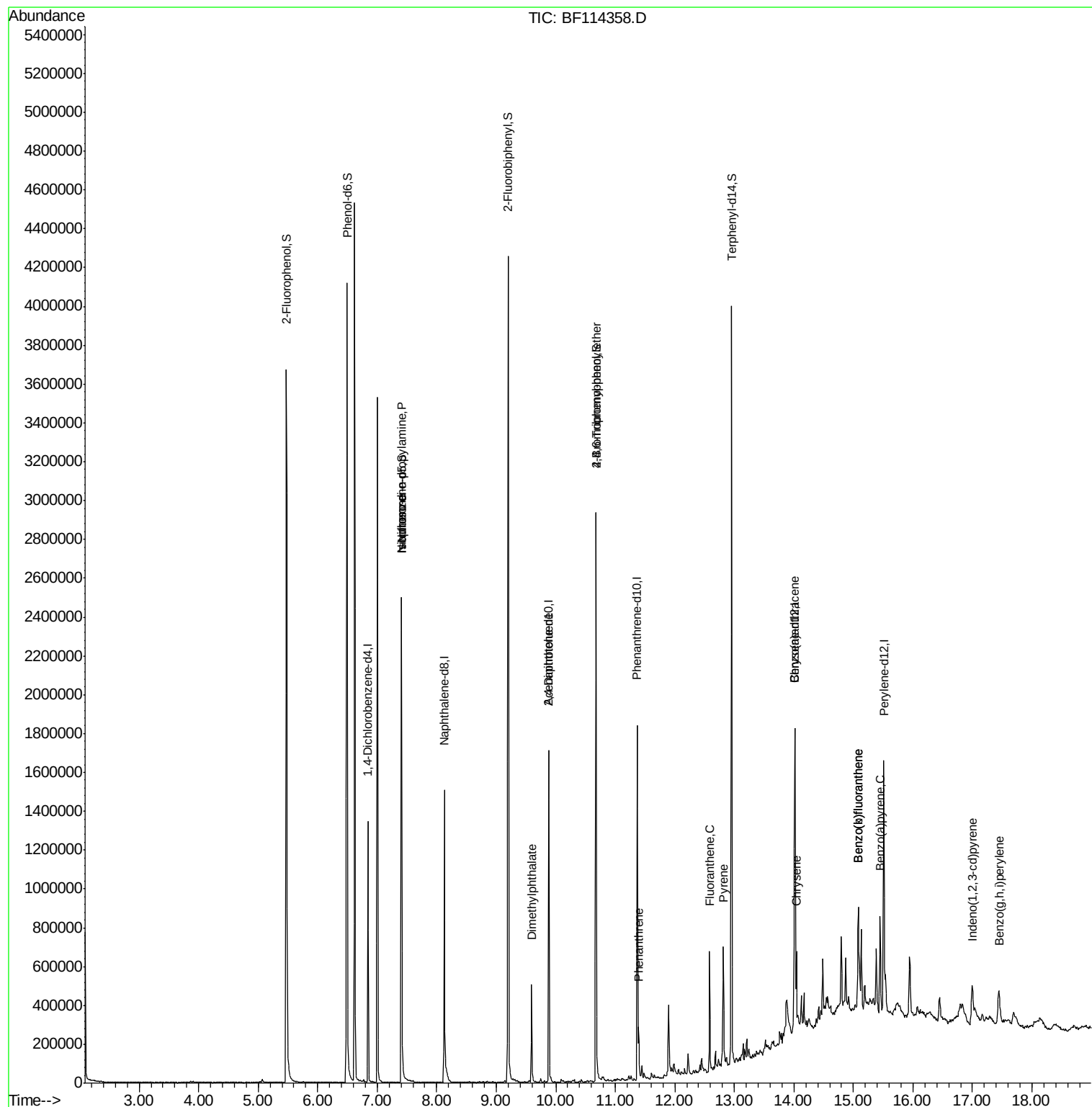
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	111865	13.064	ng	# 74
25) Isophorone	7.41	82	872826	36.603	ng	# 64
50) Dimethylphthalate	9.59	163	212261	8.396	ng	100
57) 2,4-Dinitrotoluene	9.88	165	44384	5.832	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	22130	2.969	ng	# 1
71) Phenanthrene	11.39	178	85078	2.583	ng	96
75) Fluoranthene	12.59	202	237480	6.696	ng	97
78) Pyrene	12.82	202	239504	6.019	ng	97
81) Benzo(a)anthracene	14.01	228	165101	5.160	ng	94
83) Chrysene	14.04	228	157952	5.036	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	142466	5.140	ng	97
88) Benzo(b)fluoranthene	15.08	252	402222	13.656	ng	98
89) Benzo(k)fluoranthene	15.08	252	402222	14.866	ng	98
90) Benzo(a)pyrene	15.44	252	267577	10.322	ng	97
92) Benzo(a,h,i)perylene	17.44	276	135176	6.262	ng	95

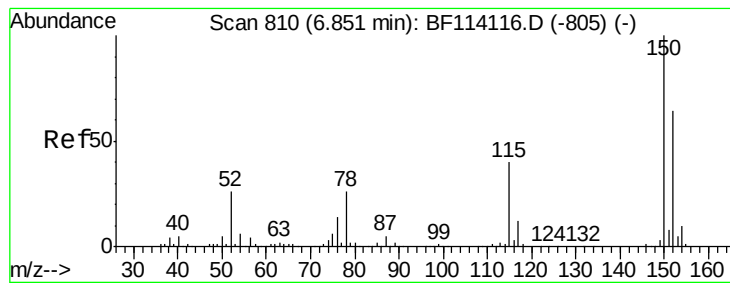
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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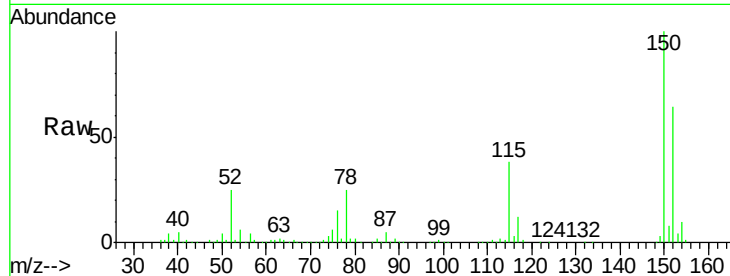


#1

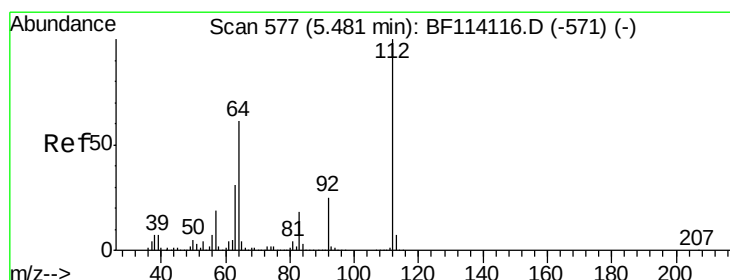
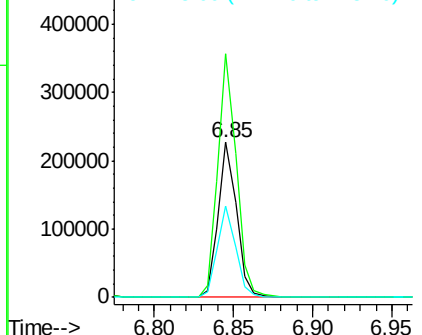
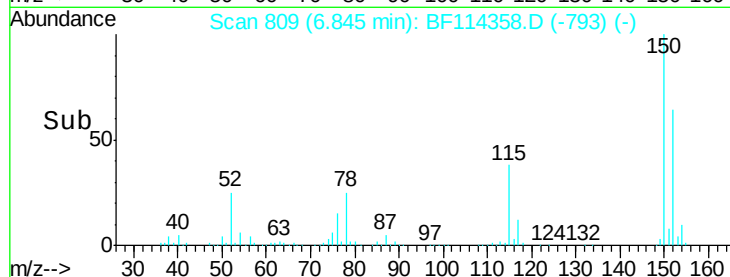
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 183814
Ion Ratio Lower Upper
152 100
150 157.3 124.3 186.5
115 59.3 49.1 73.7



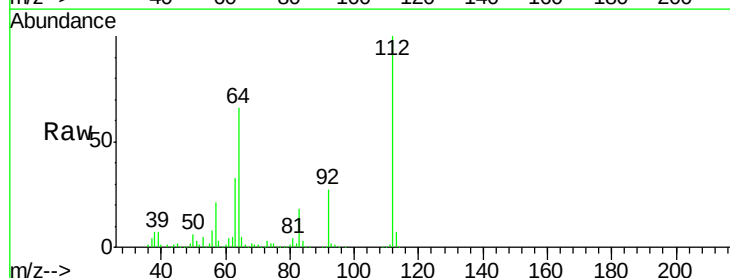
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



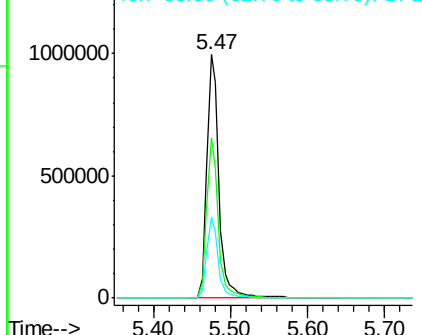
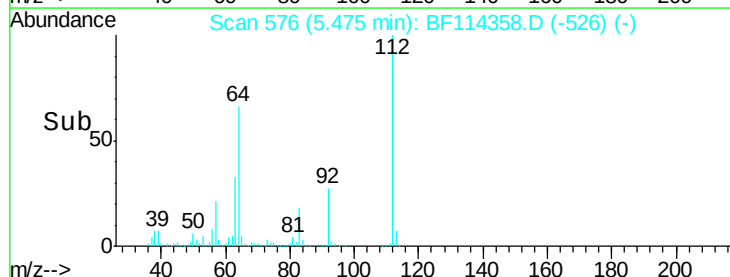
#5

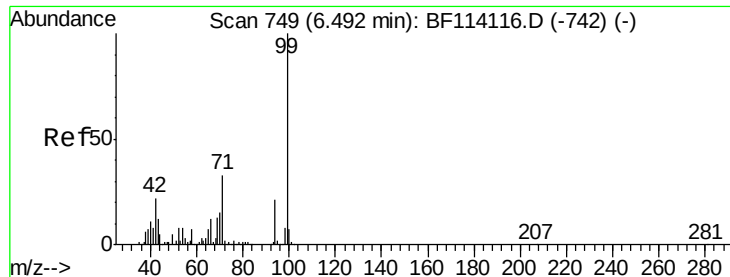
2-Fluorophenol
Concen: 95.364 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion:112 Resp: 1089268
Ion Ratio Lower Upper
112 100
64 66.0 49.0 73.6
63 33.5 24.6 37.0



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: 106.546 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

ClientSampleId :

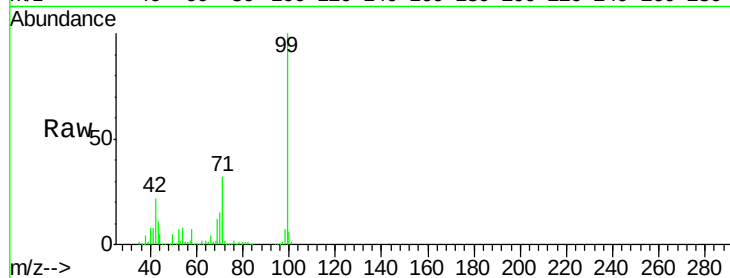
Tot Ion: 99 Resp: 1439376

Ion Ratio Lower Upper

99 100

42 21.8 17.9 26.9

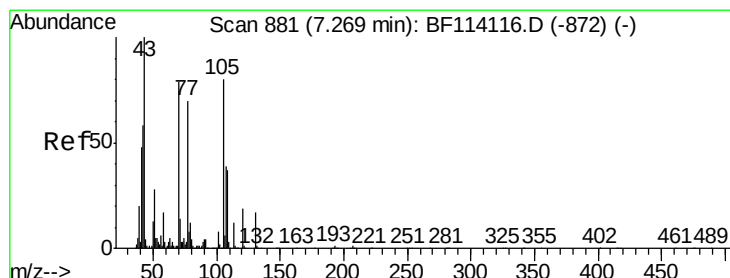
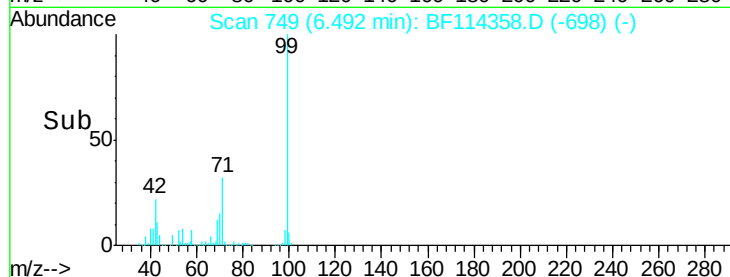
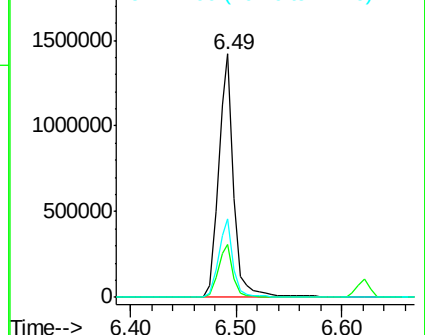
71 32.3 26.2 39.2



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: 13.064 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Tgt Ion: 70 Resp: 111865

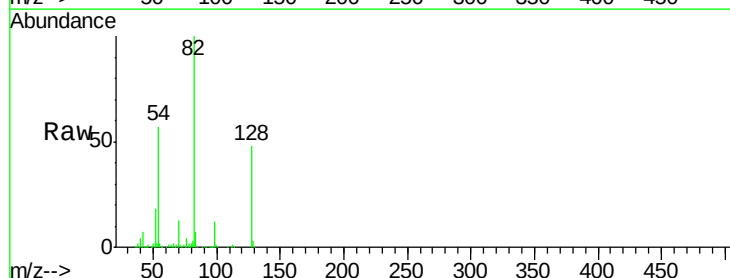
Ion Ratio Lower Upper

70 100

42 55.1 58.6 87.8#

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

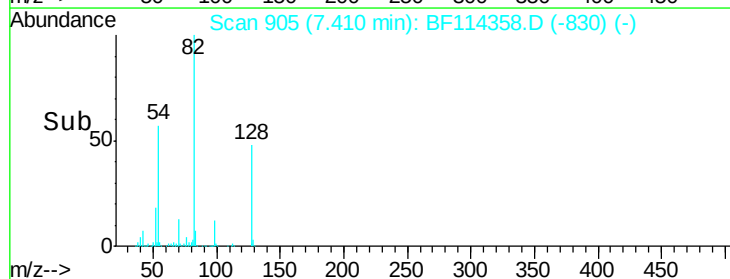
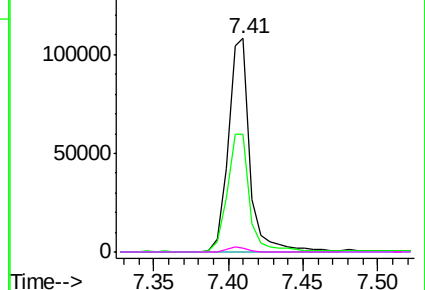


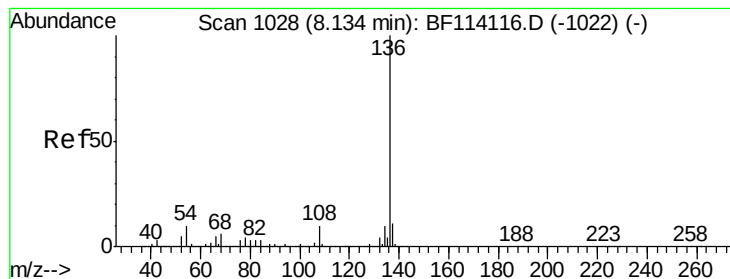
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 721570

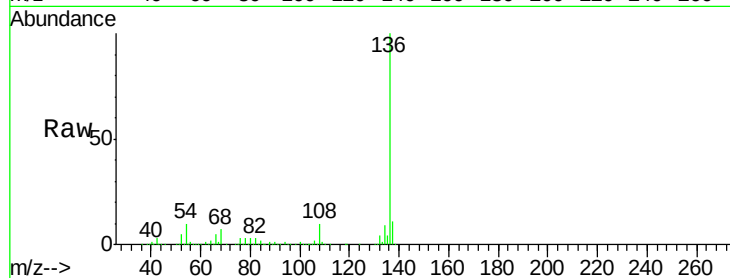
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.7 7.8 11.8

68 6.9 5.1 7.7

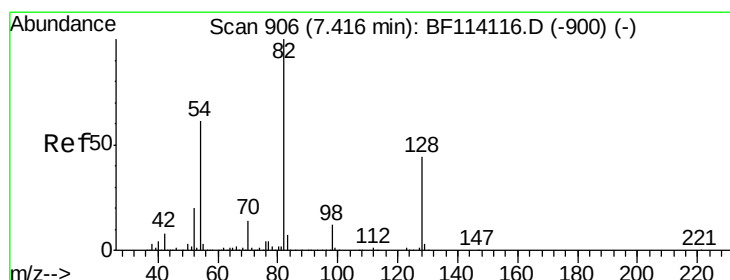
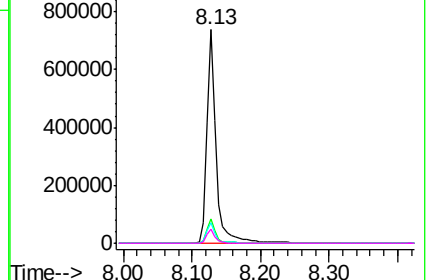
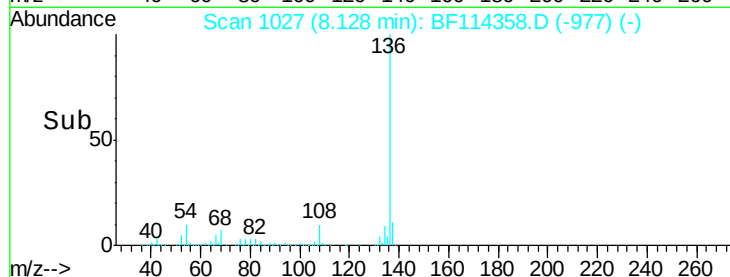


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.885 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

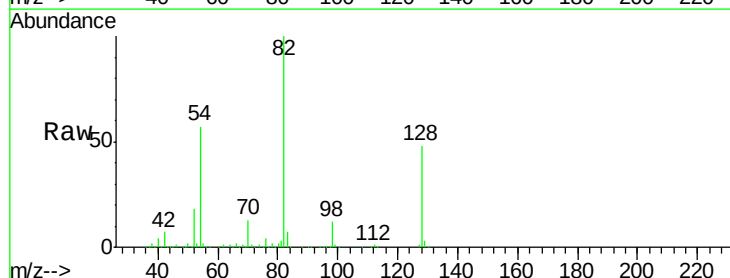
Tgt Ion: 82 Resp: 872833

Ion Ratio Lower Upper

82 100

128 48.0 35.5 53.3

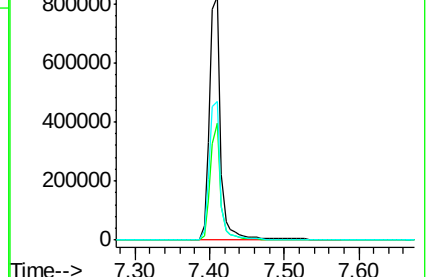
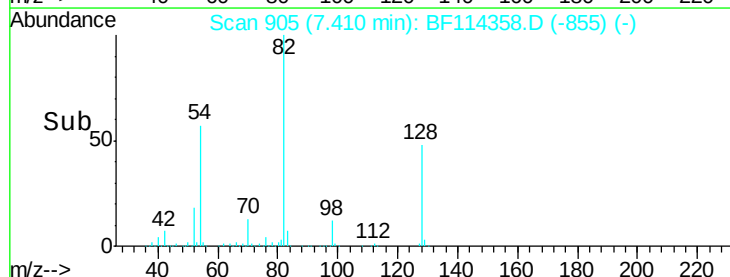
54 56.8 48.5 72.7

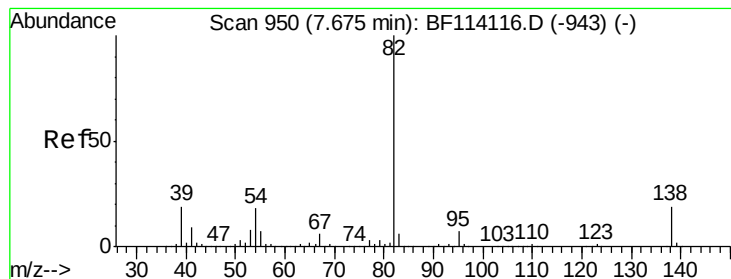


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.603 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

ClientSampleId :

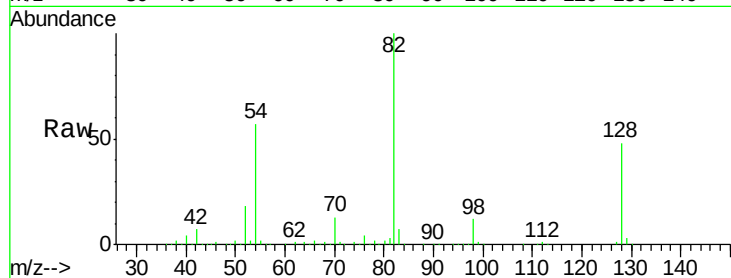
Tot Ion: 82 Resp: 872826

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

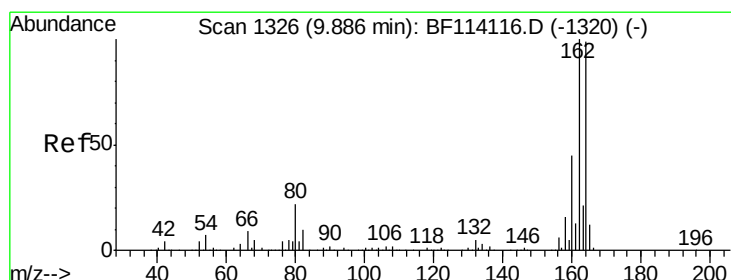
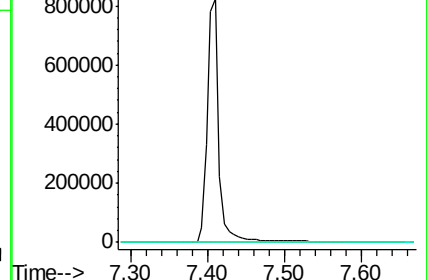
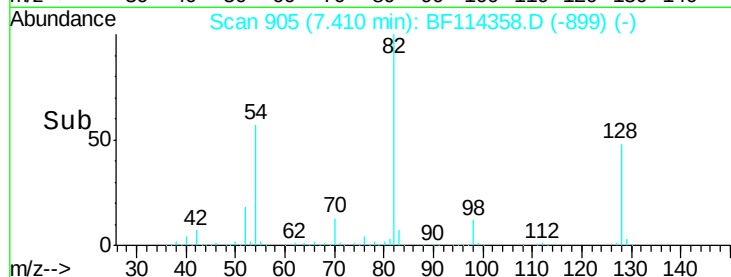
138 0.0 14.8 22.2#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

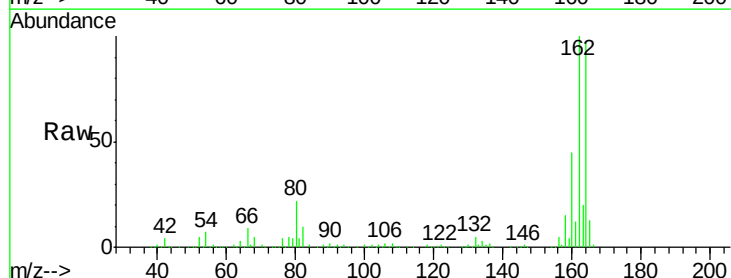
Tgt Ion: 164 Resp: 344382

Ion Ratio Lower Upper

164 100

162 102.6 80.6 120.8

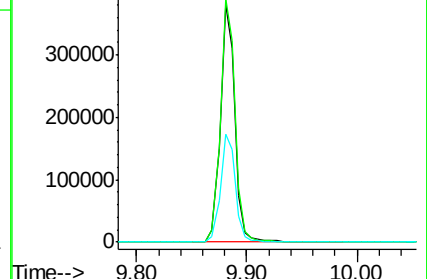
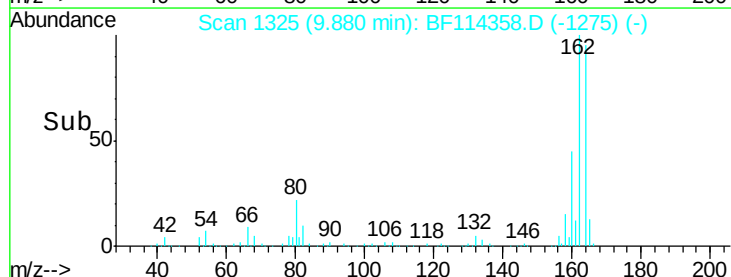
160 45.7 36.5 54.7

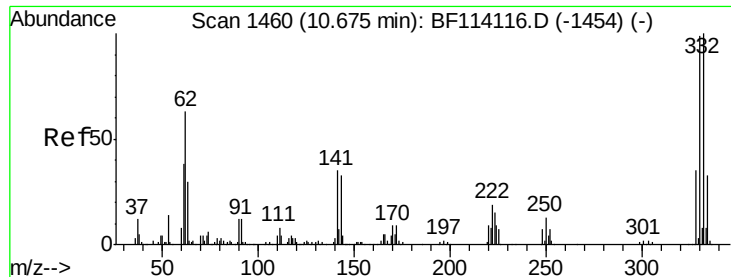


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 97.748 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

ClientSampleId :

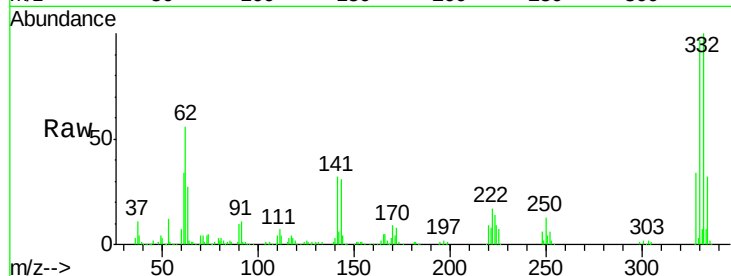
Tot Ion:330 Resp: 348016

Ion Ratio Lower Upper

330 100

332 102.7 81.4 122.2

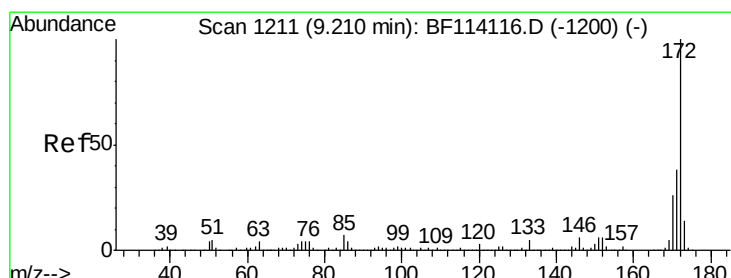
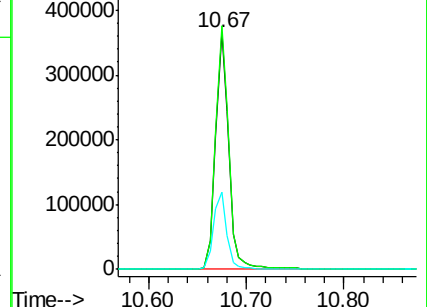
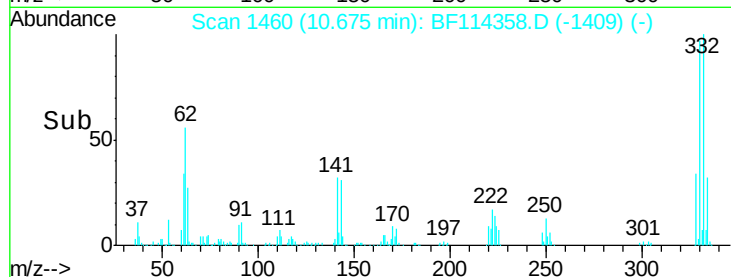
141 33.0 26.6 40.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 63.731 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

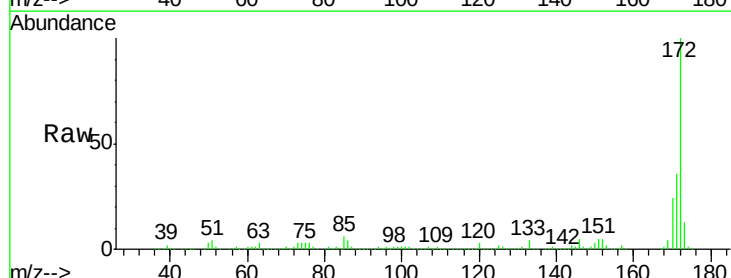
Tgt Ion:172 Resp: 1450926

Ion Ratio Lower Upper

172 100

171 35.8 30.7 46.1

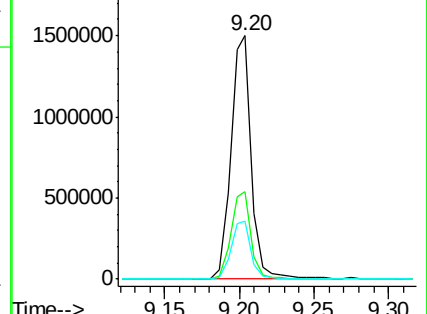
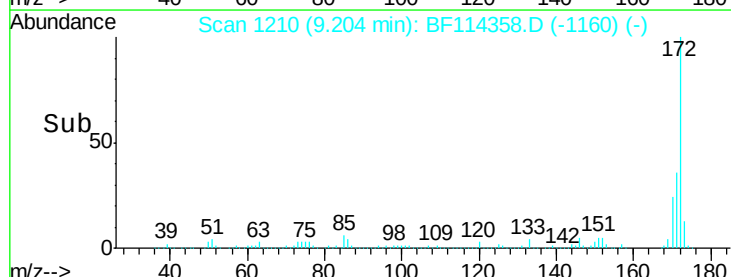
170 23.6 20.5 30.7

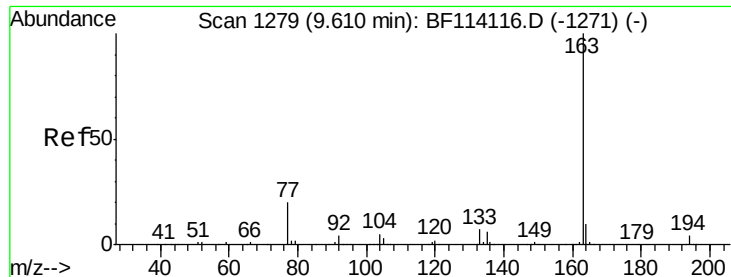


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

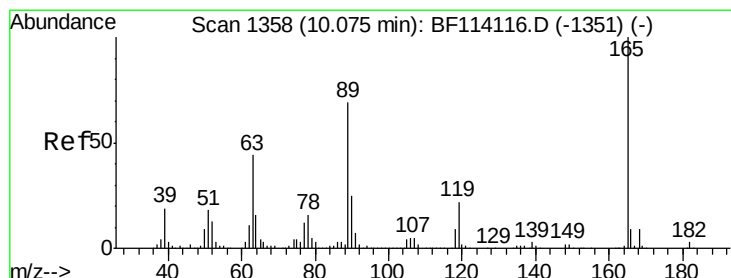
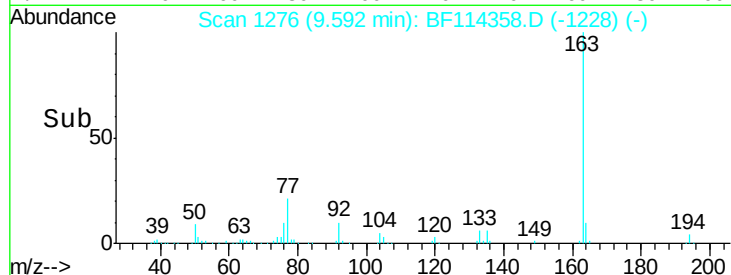
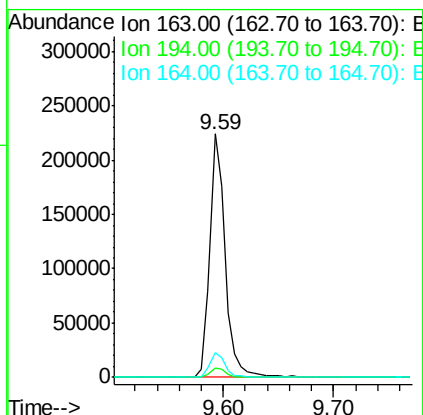
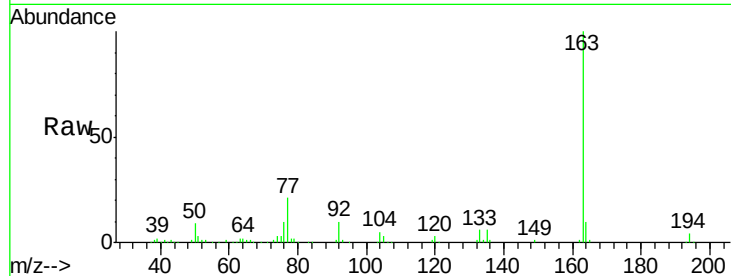




#50
Dimethylphthalate
Concen: 8.396 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

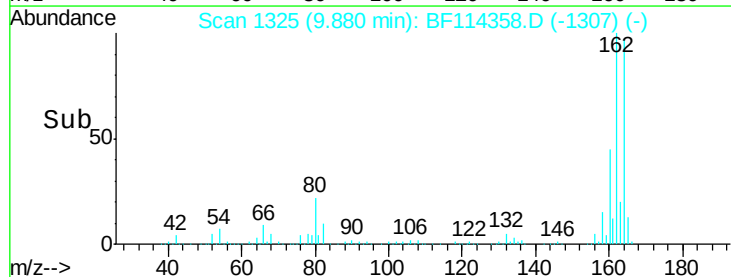
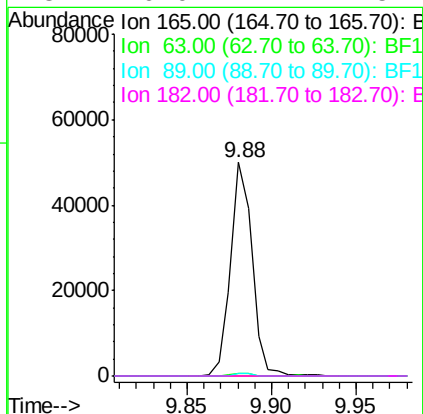
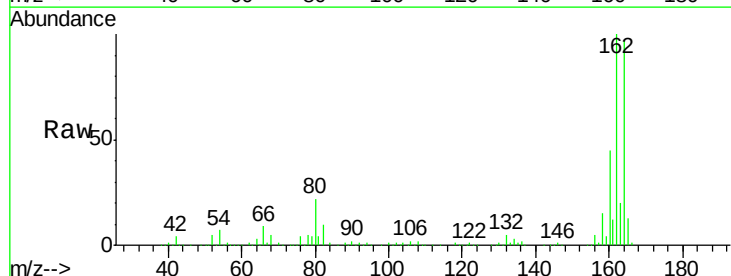
Instrument :
BNA_F
ClientSampleId :

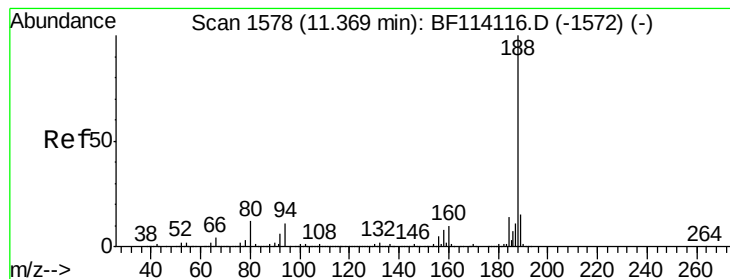
Tot Ion:163 Resp: 212261
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.2 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 5.832 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion:165 Resp: 44384
Ion Ratio Lower Upper
165 100
63 1.3 35.5 53.3#
89 1.5 55.2 82.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

ClientSampleId :

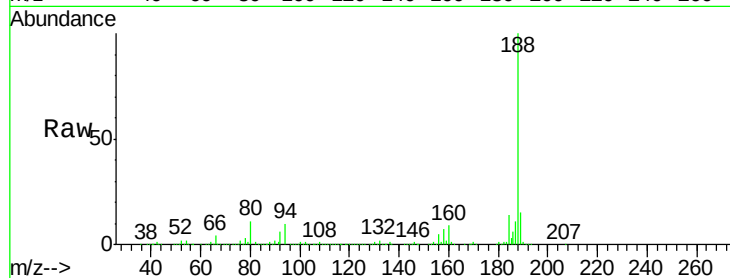
Tot Ion:188 Resp: 676976

Ion Ratio Lower Upper

188 100

94 10.4 8.4 12.6

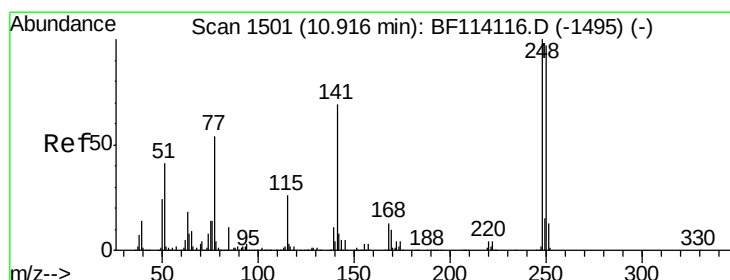
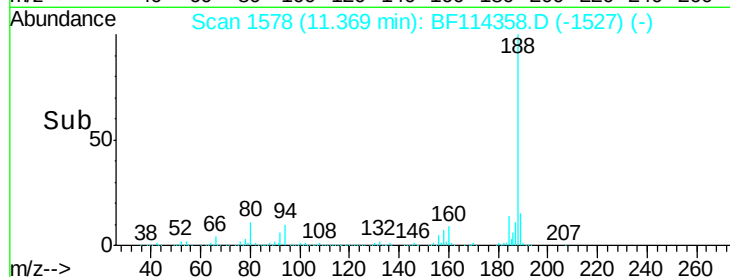
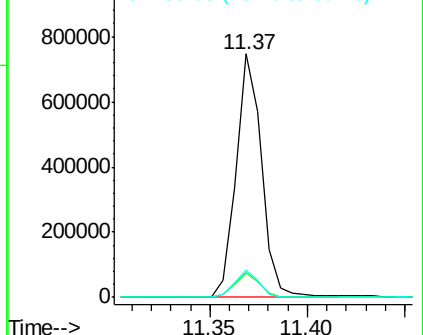
80 11.3 9.2 13.8



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: 2.969 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.24 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

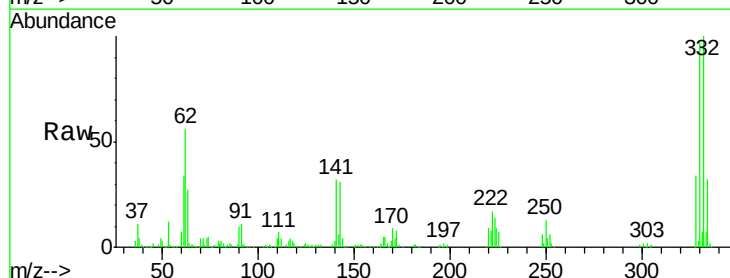
Tgt Ion:248 Resp: 22130

Ion Ratio Lower Upper

248 100

250 211.8 77.4 116.2#

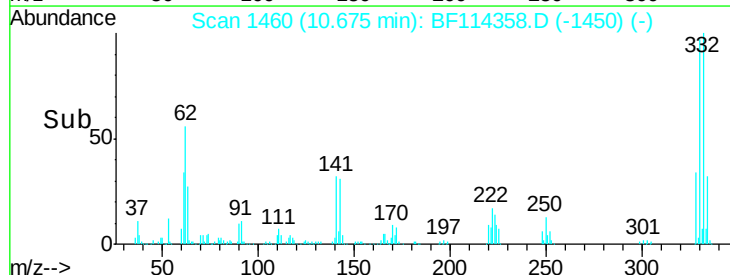
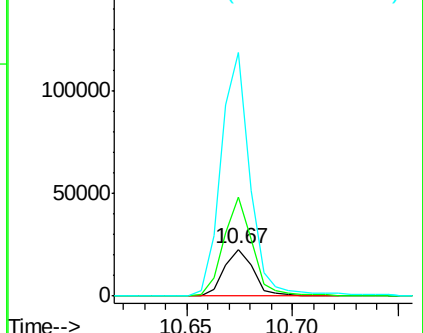
141 518.4 55.6 83.4#

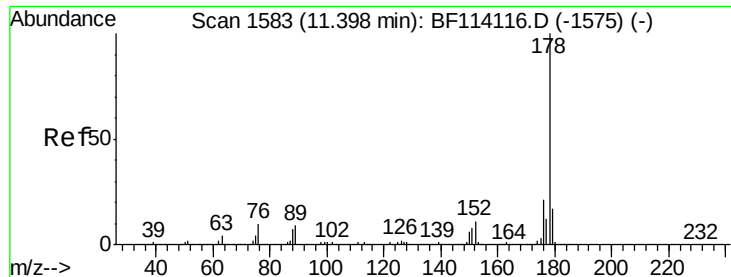


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

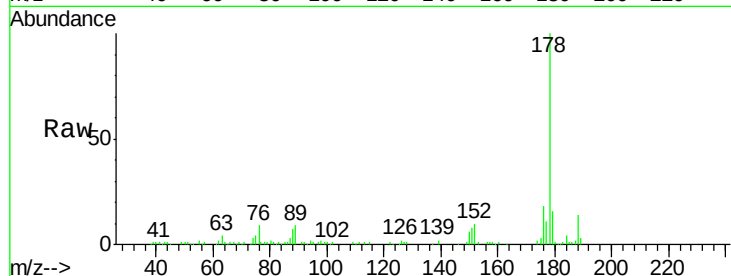




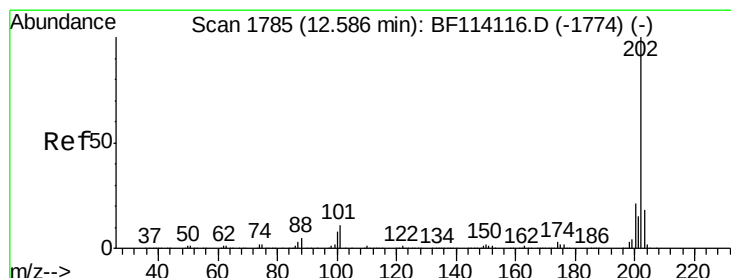
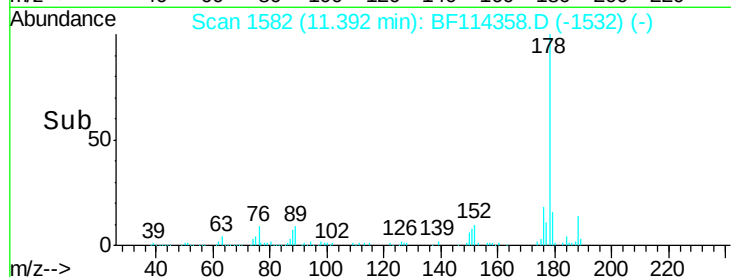
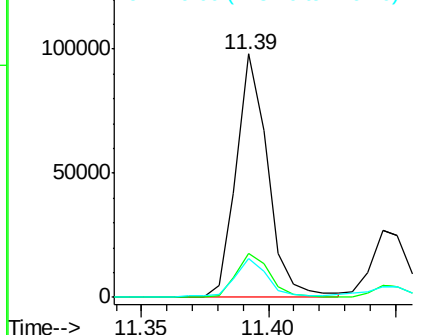
#71
Phenanthrene
Concen: 2.583 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 85078
Ion Ratio Lower Upper
178 100
176 18.0 16.4 24.6
179 15.8 13.2 19.8

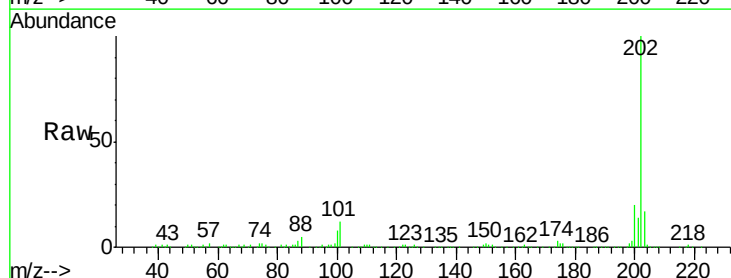


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

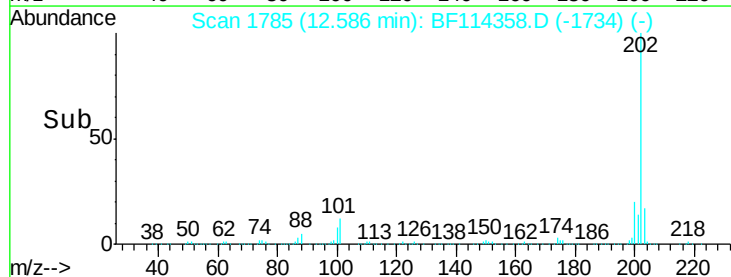
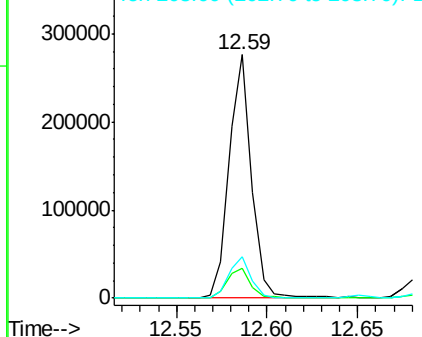


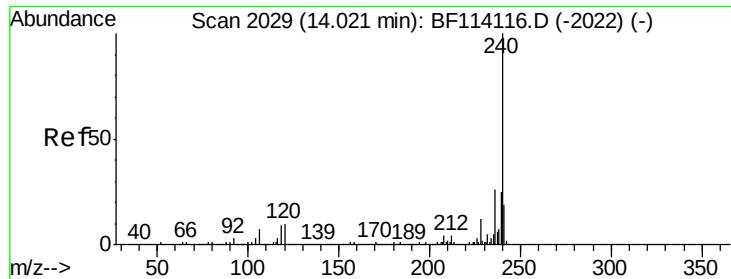
#75
Fluoranthene
Concen: 6.696 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion:202 Resp: 237480
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.0
203 17.2 0.0 38.4



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

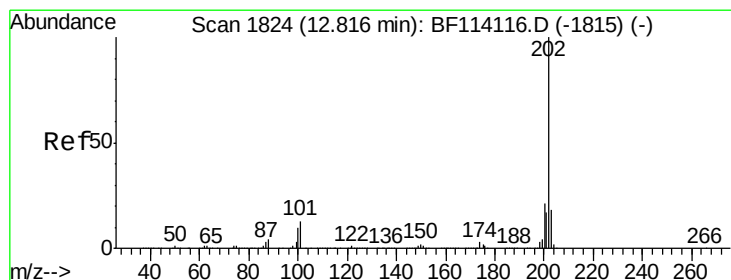
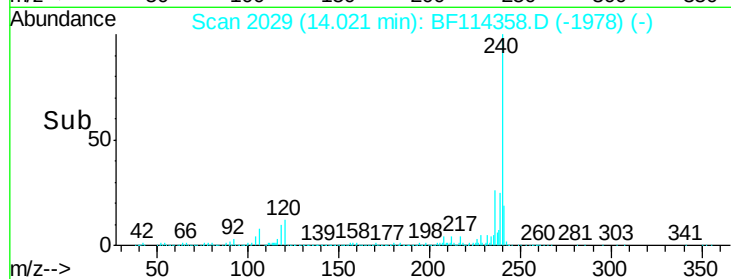
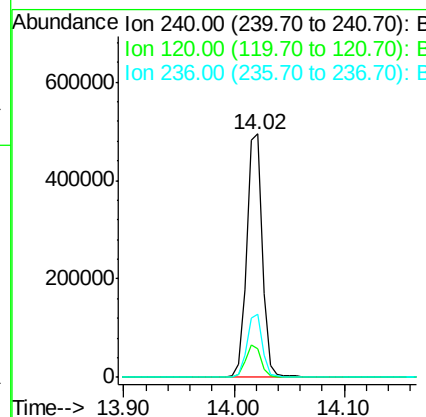
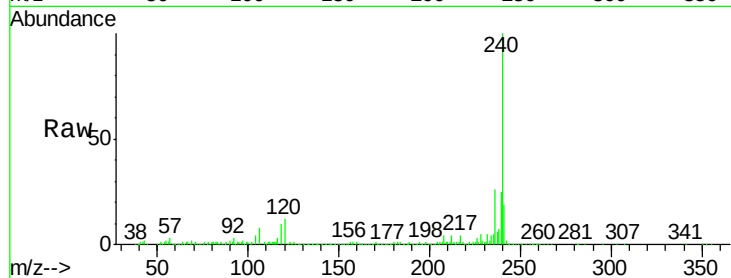




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

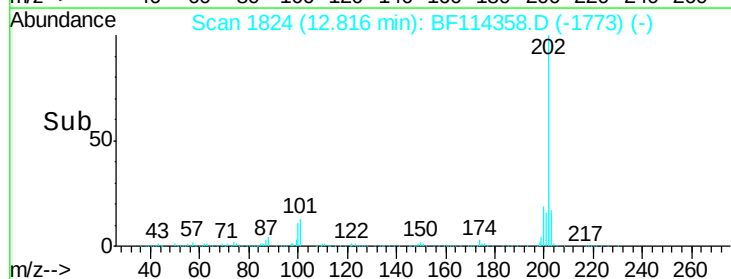
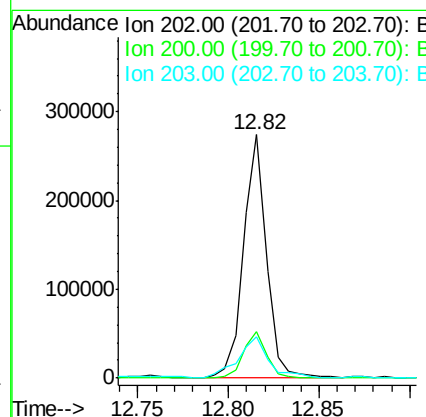
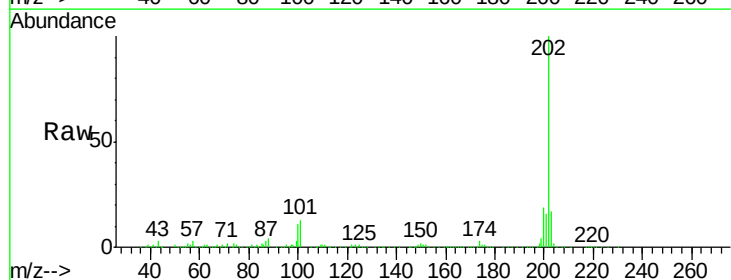
Instrument :
BNA_F
ClientSampleId :

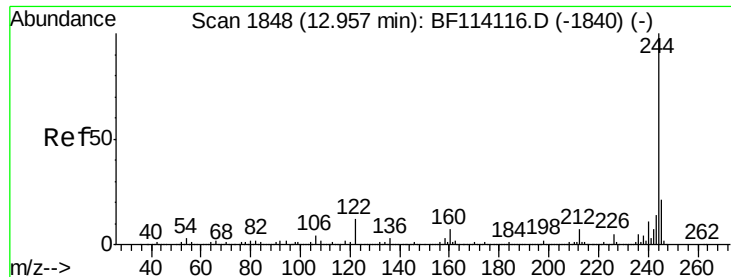
Tot Ion:240 Resp: 494655
Ion Ratio Lower Upper
240 100
120 11.6 8.3 12.5
236 25.7 20.8 31.2



#78
Pyrene
Concen: 6.019 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion:202 Resp: 239504
Ion Ratio Lower Upper
202 100
200 19.3 16.9 25.3
203 17.2 14.5 21.7





#79

Terphenyl-d14

Concen: 56.289 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

Instrument :

BNA_F

ClientSampleId :

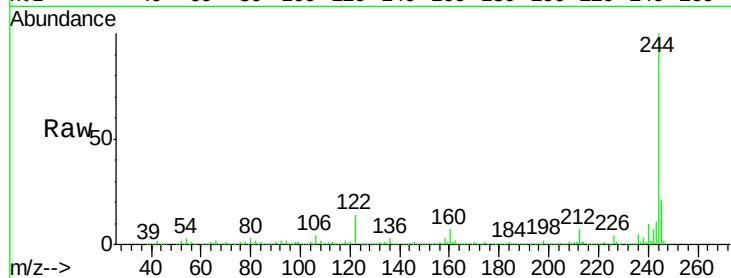
Tot Ion:244 Resp: 1350697

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

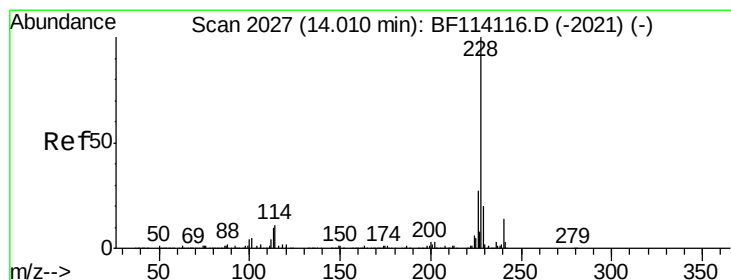
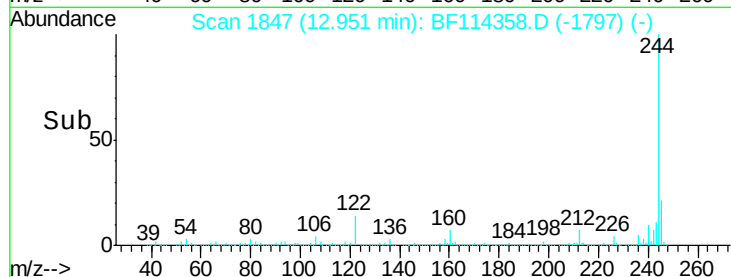
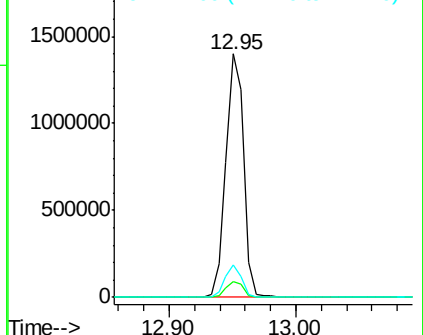
122 13.5 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.160 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF114358.D

Acq: 17 May 2019 18:58

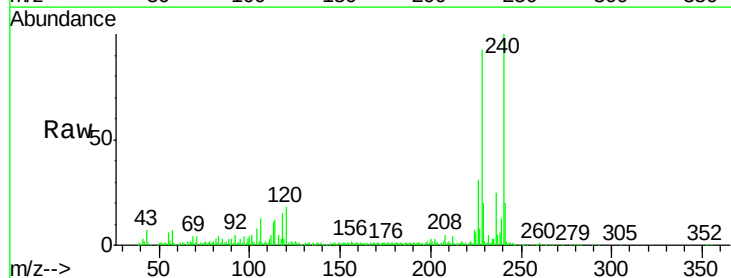
Tgt Ion:228 Resp: 165101

Ion Ratio Lower Upper

228 100

226 33.0 22.2 33.2

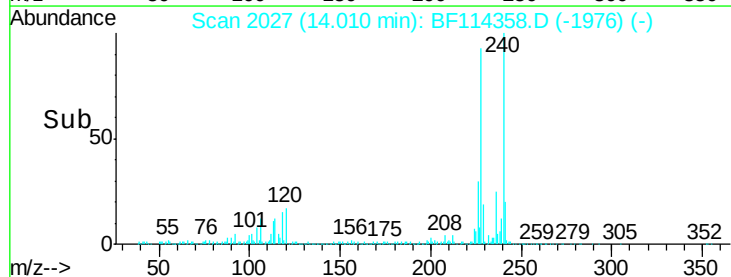
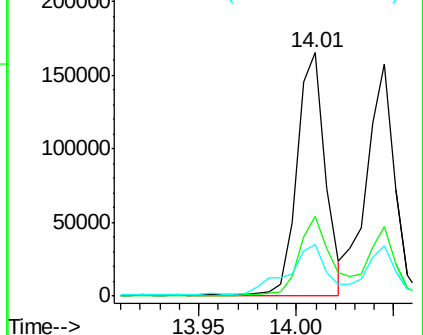
229 21.2 16.4 24.6

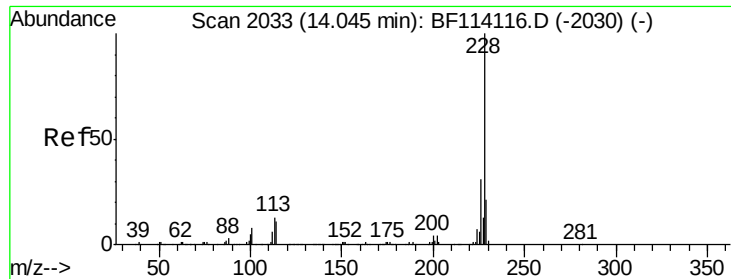


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

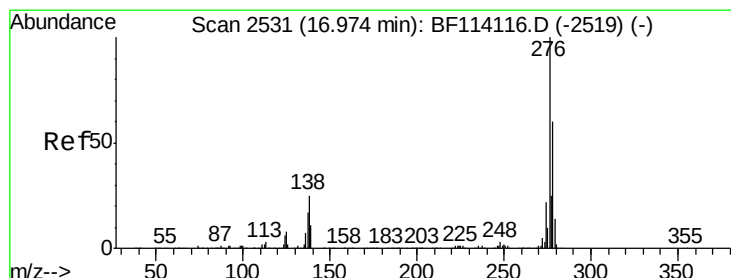
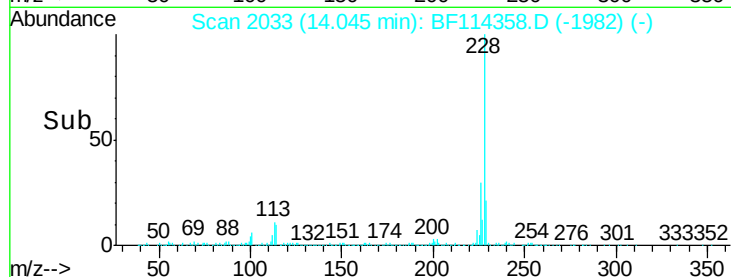
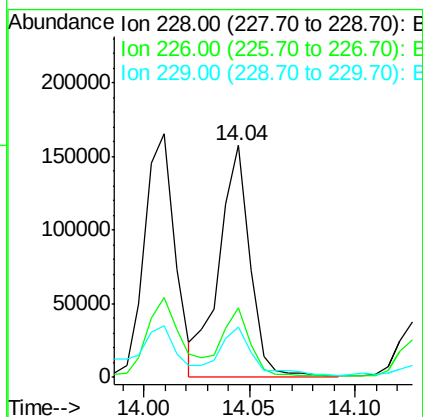
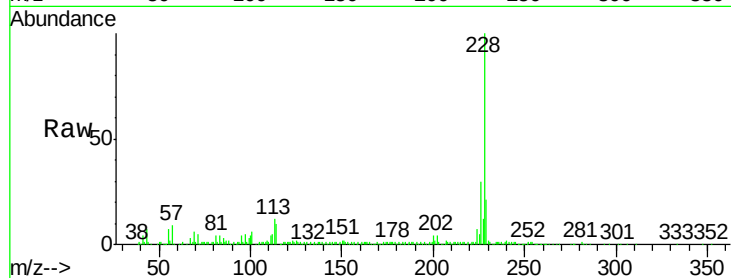




#83
Chrysene
Concen: 5.036 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

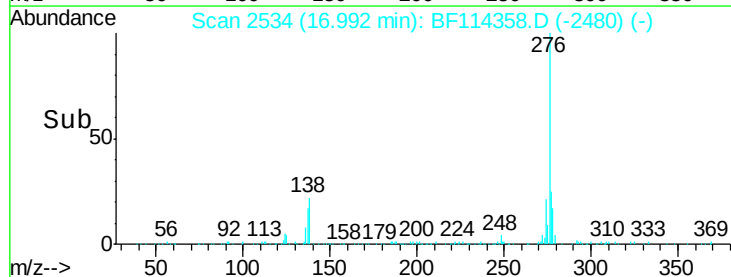
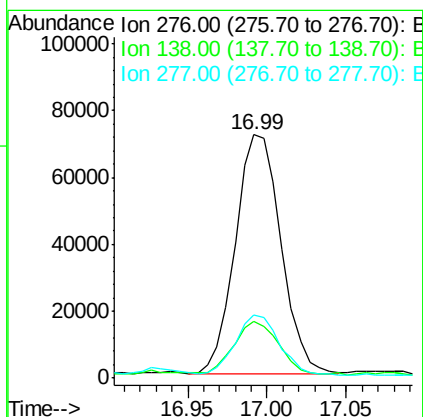
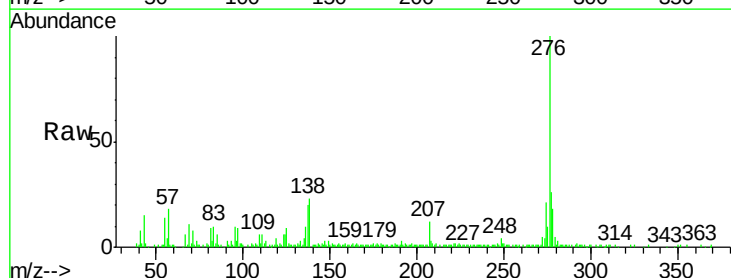
Instrument :
BNA_F
ClientSampleId :

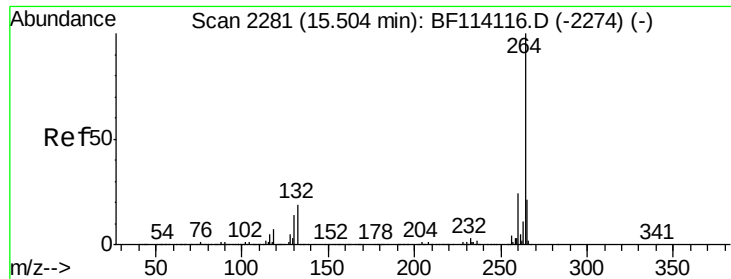
Tot Ion:228 Resp: 157952
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 21.5 17.0 25.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.140 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion:276 Resp: 142466
Ion Ratio Lower Upper
276 100
138 22.7 20.2 30.2
277 24.7 20.0 30.0

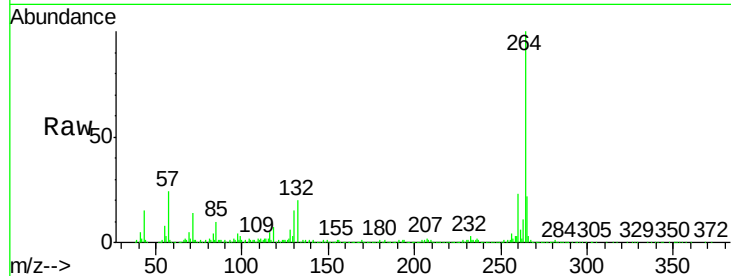




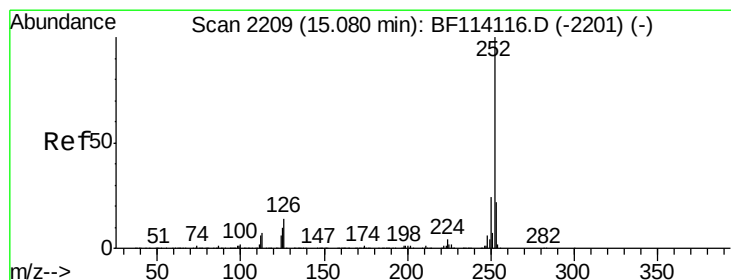
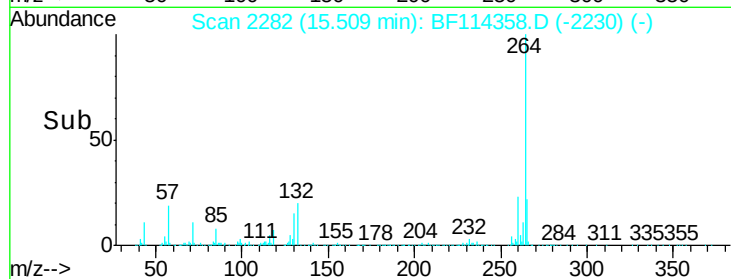
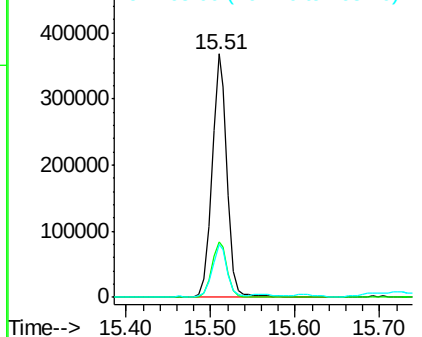
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.0
265	21.9	16.9	25.3

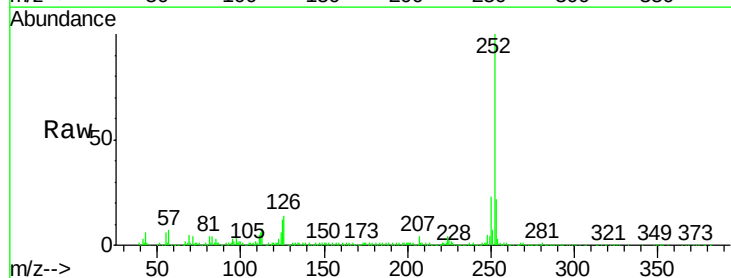


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

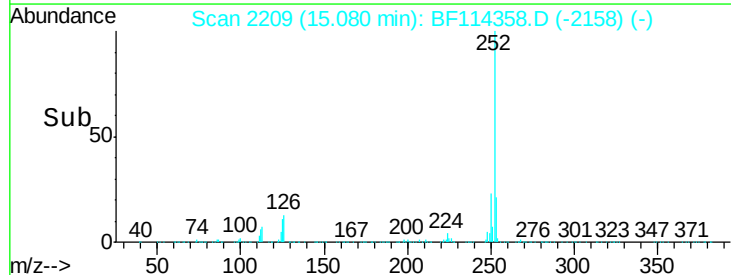
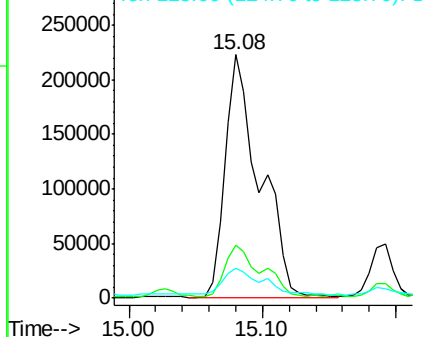


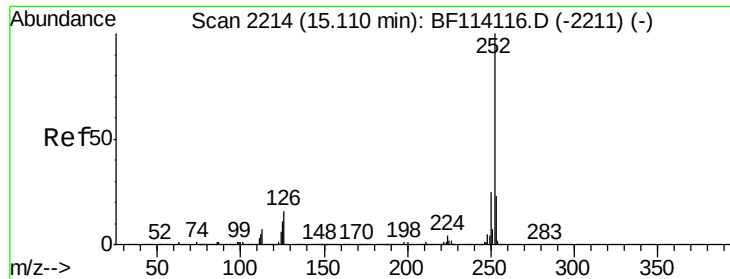
#88
Benzo(b)fluoranthene
Concen: 13.656 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	12.4	8.3	12.5



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

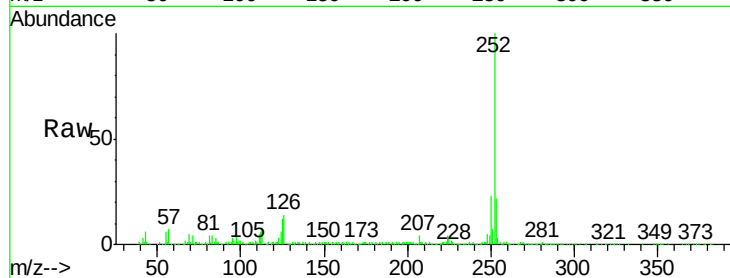




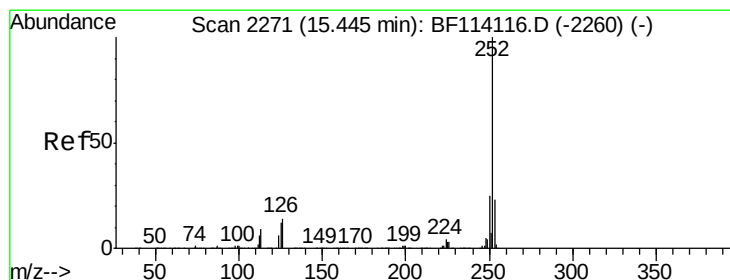
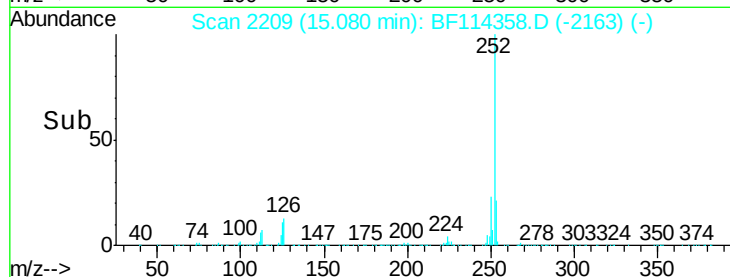
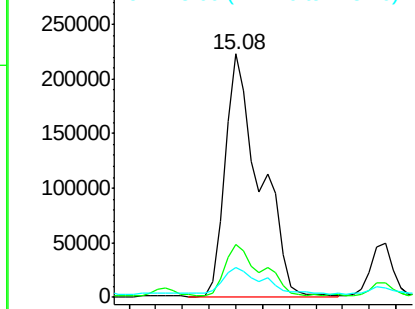
#89
Benzo(k)fluoranthene
Concen: 14.866 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	12.4	8.6	13.0

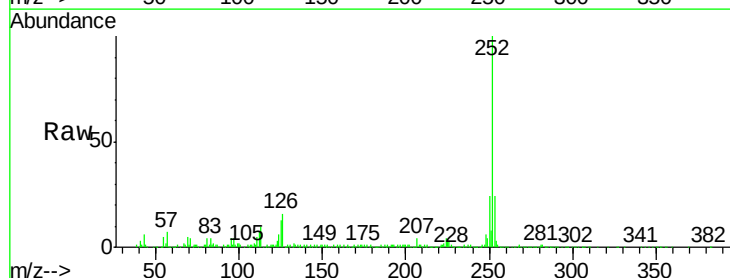


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

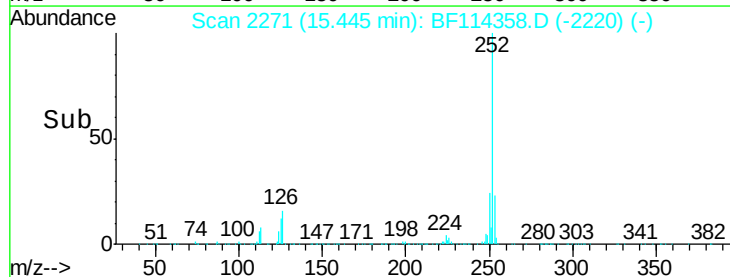
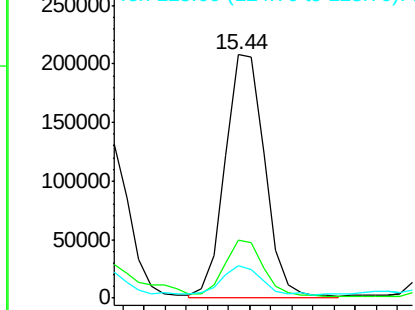


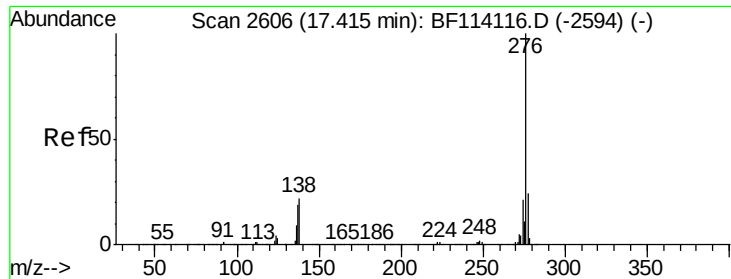
#90
Benzo(a)pyrene
Concen: 10.322 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114358.D
Acq: 17 May 2019 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	13.5	9.5	14.3



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





#92
 Benzo(a,h,i)perylene
 Concen: 6.262 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.03 min
 Lab File: BF114358.D
 Acq: 17 May 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.0	28.4
138	24.9	17.8	26.6

