

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120328.D
 Acq On : 15 May 2020 18:19
 Operator : MA/SJ
 Sample : L2644-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Quant Time: May 16 04:03:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 12:31:31 2020
 Response via : Initial Calibration

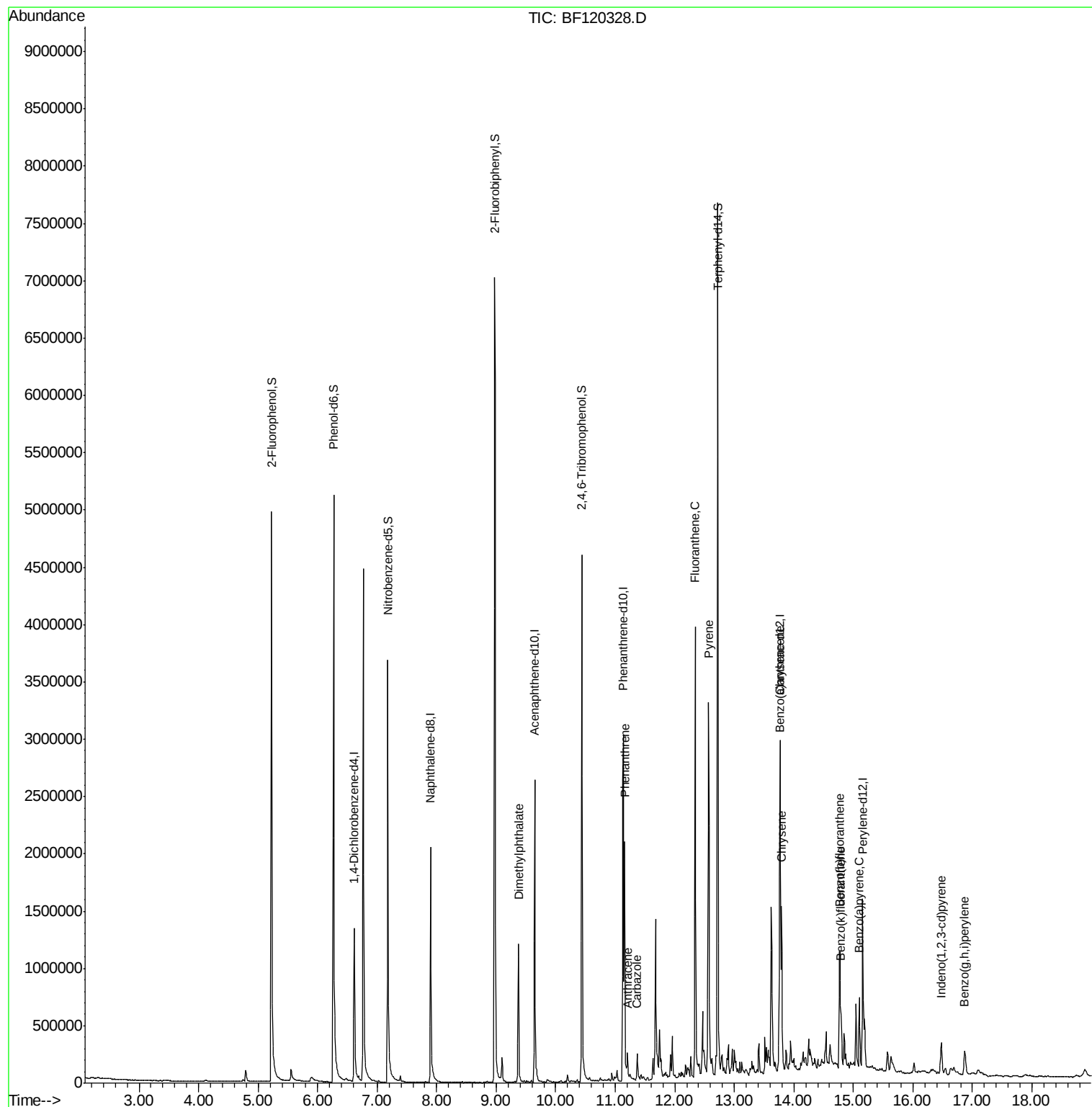
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	295309	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1207108	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	599846	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	1285166	20.00	ng	0.00
76) Chrysene-d12	13.77	240	873213	20.00	ng	0.00
87) Perylene-d12	15.16	264	673340	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1659022	109.31	ng	0.00
7) Phenol-d6	6.27	99	2285955	119.10	ng	0.00
23) Nitrobenzene-d5	7.18	82	1424003	80.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	619636	126.69	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2722434	93.24	ng	0.00
79) Terphenyl-d14	12.72	244	3204637	81.08	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.37	163	564811	14.895	ng	99
71) Phenanthrene	11.16	178	856937	15.868	ng	98
72) Anthracene	11.21	178	125106	2.164	ng	99
73) Carbazole	11.37	167	111823	2.070	ng	99
75) Fluoranthene	12.35	202	1793101	30.979	ng	97
78) Pyrene	12.57	202	1458285	23.426	ng	99
81) Benzo(a)anthracene	13.76	228	513373	11.147	ng	99
83) Chrysene	13.79	228	579527	11.718	ng	97
86) Indeno(1,2,3-cd)pyrene	16.47	276	176139	3.924	ng	93
88) Benzo(b)fluoranthene	14.77	252	543738m	14.786	ng	
89) Benzo(k)fluoranthene	14.79	252	191583m	6.013	ng	
90) Benzo(a)pyrene	15.10	252	304199	9.224	ng	98
92) Benzo(a,h,i)perylene	16.87	276	173212	5.879	ng	99

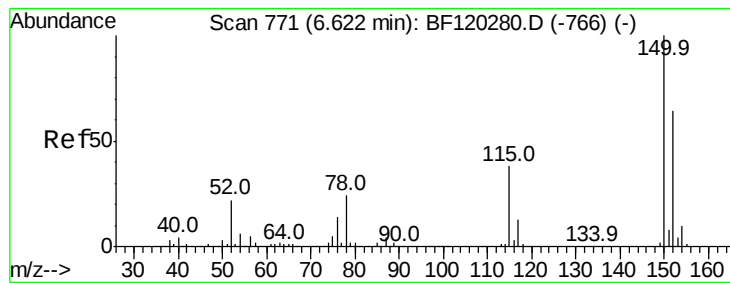
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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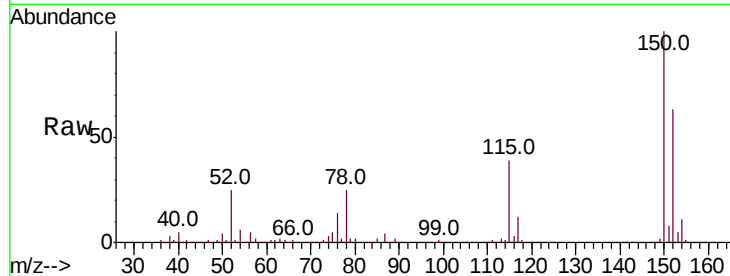


#1

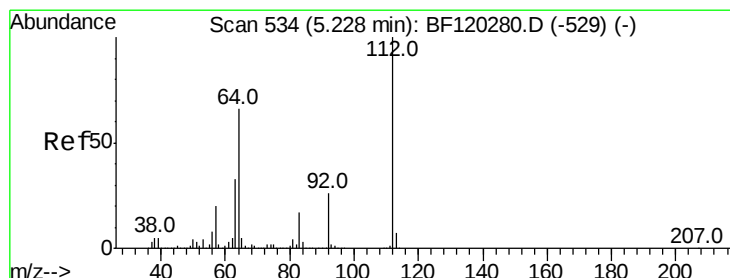
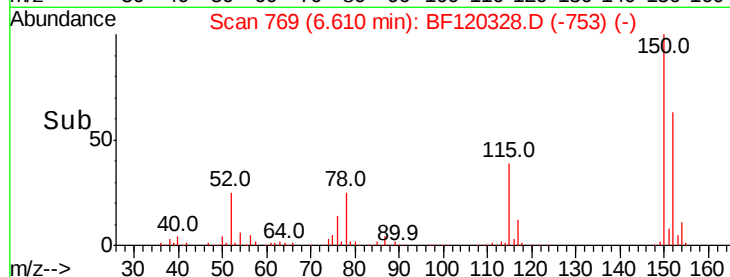
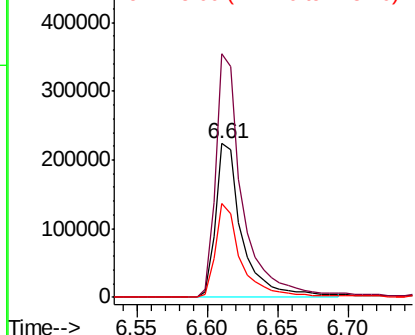
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion:152 Resp: 295309
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 61.5 47.9 71.9



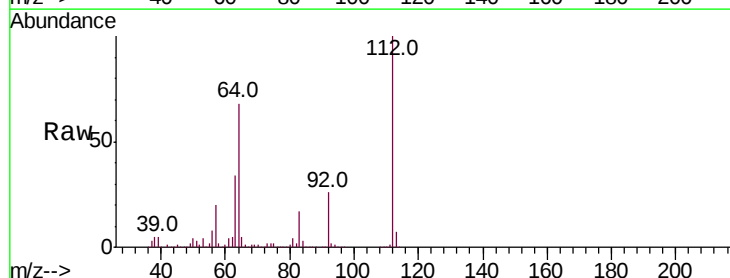
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



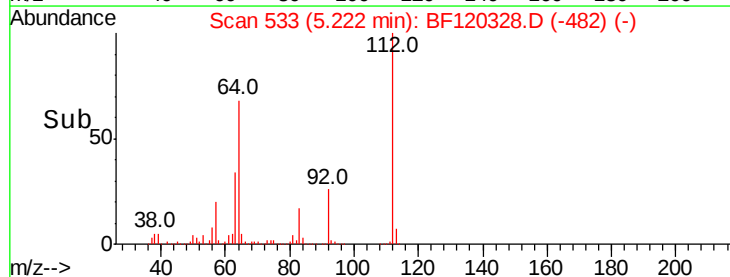
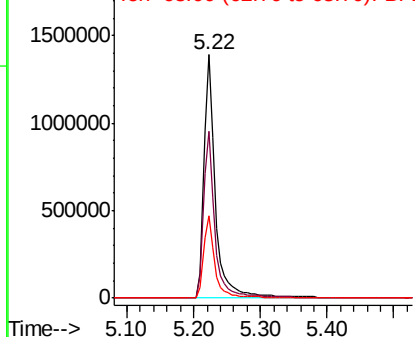
#5

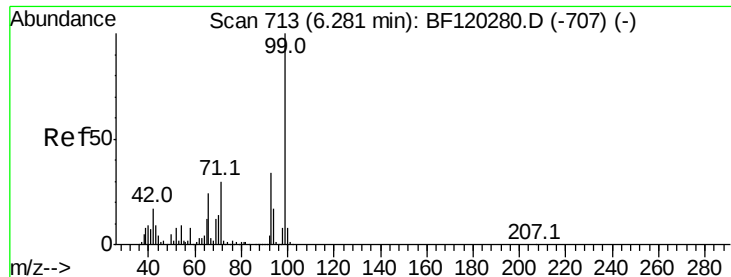
2-Fluorophenol
Concen: 109.308 ng
RT: 5.22 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Tgt Ion:112 Resp: 1659022
Ion Ratio Lower Upper
112 100
64 68.4 52.7 79.1
63 33.7 26.2 39.4



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: 119.102 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

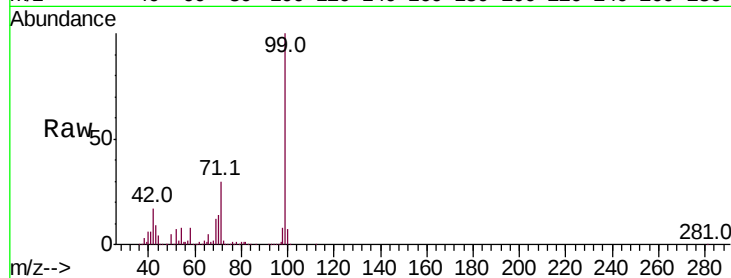
Tot Ion: 99 Resp: 2285955

Ion Ratio Lower Upper

99 100

42 17.0 13.6 20.4

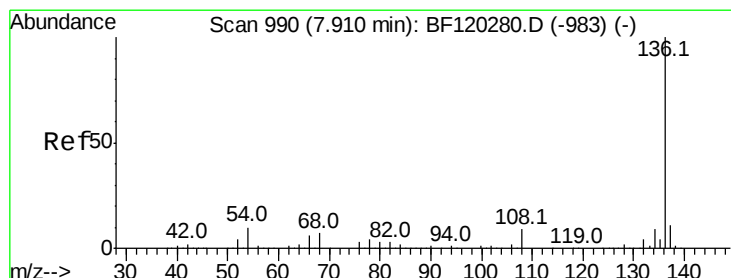
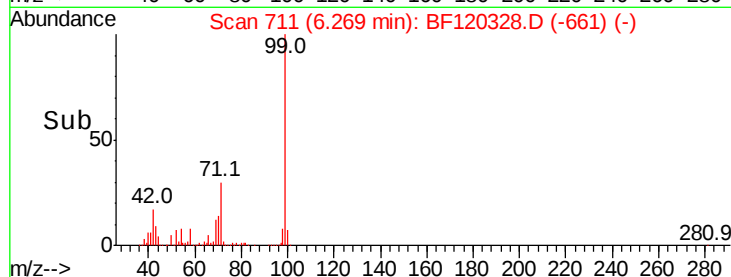
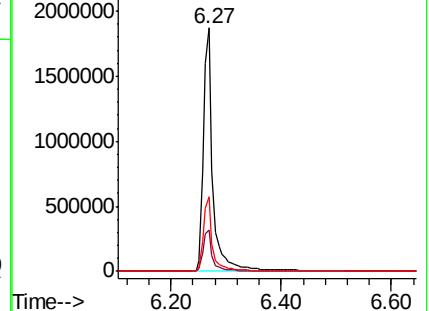
71 30.4 24.2 36.4



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: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Tgt Ion: 136 Resp: 1207108

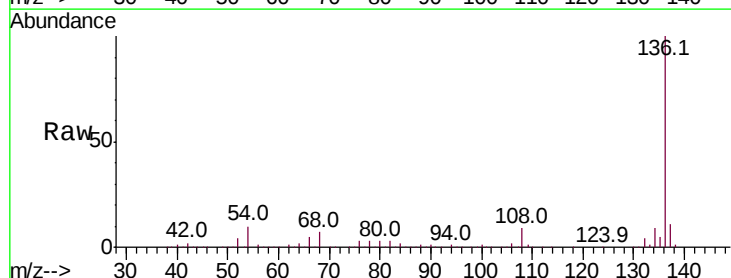
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.9 7.9 11.9

68 6.5 5.4 8.2

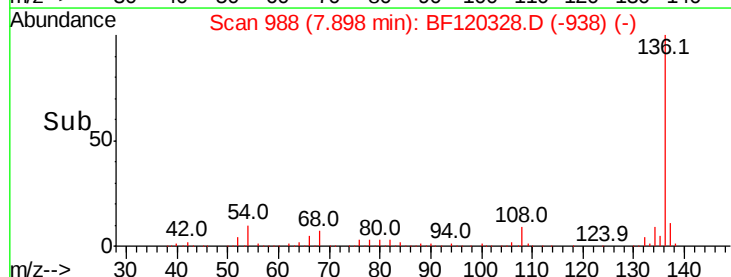
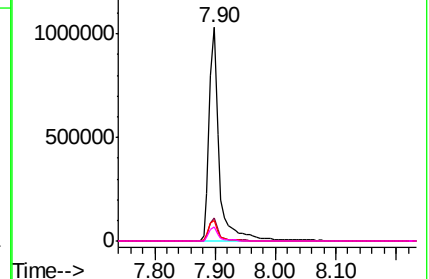


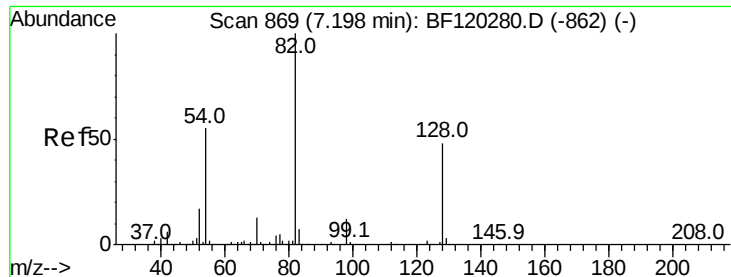
Abundance Ion 136.00 (135.70 to 136.70): E

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

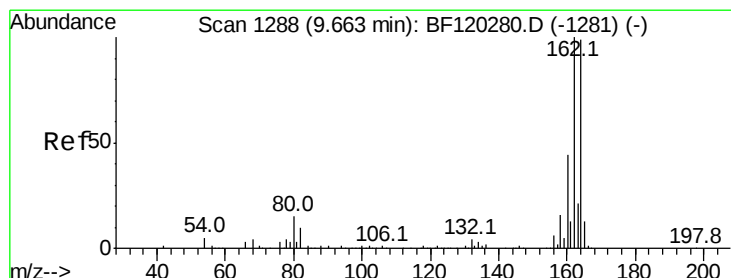
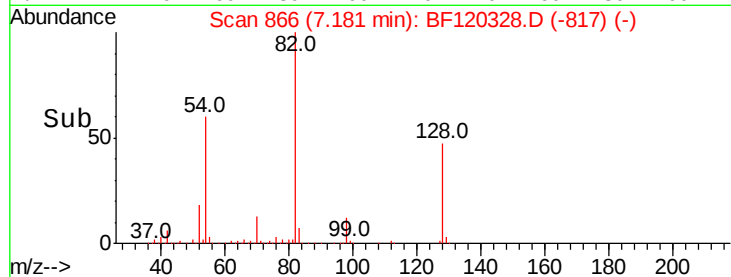
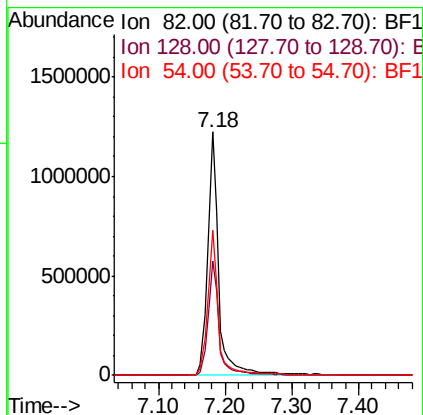
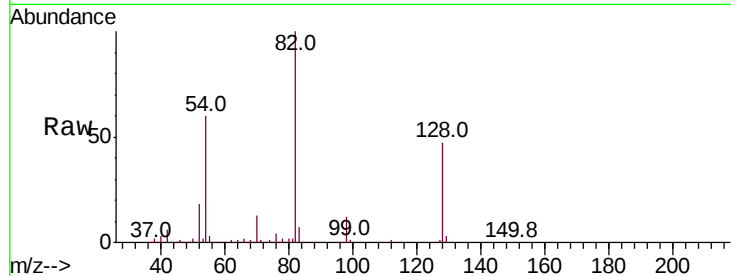




#23
 Nitrobenzene-d5
 Concen: 80.769 ng
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

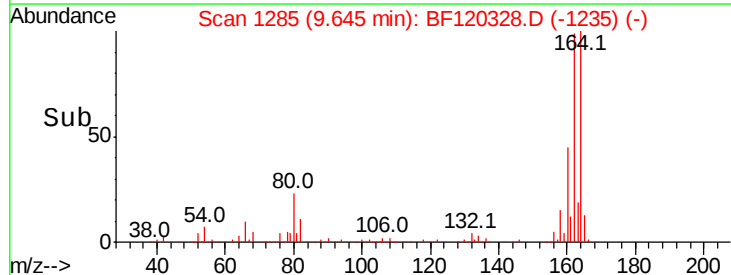
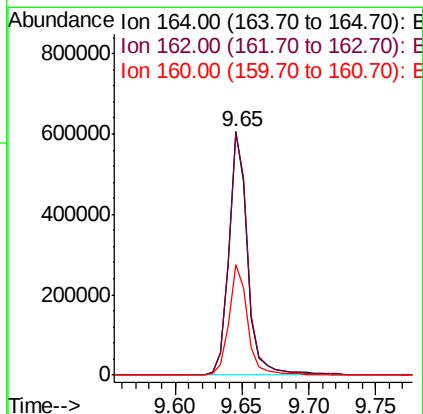
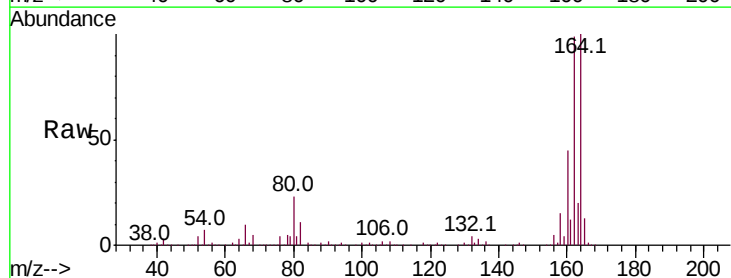
Instrument :
 BNA_F
 ClientSampleId :
 72-11944

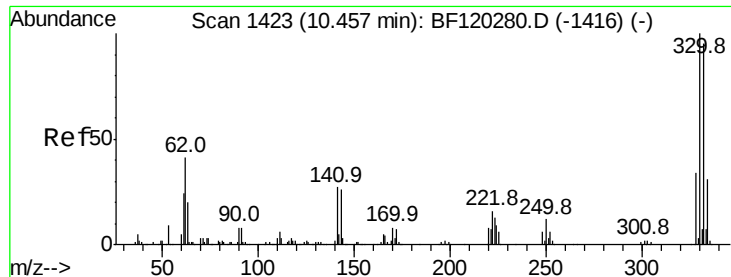
Tot Ion: 82 Resp: 1424003
 Ion Ratio Lower Upper
 82 100
 128 47.1 38.3 57.5
 54 59.7 43.9 65.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Tgt Ion:164 Resp: 599846
 Ion Ratio Lower Upper
 164 100
 162 99.3 81.2 121.8
 160 45.2 35.8 53.6

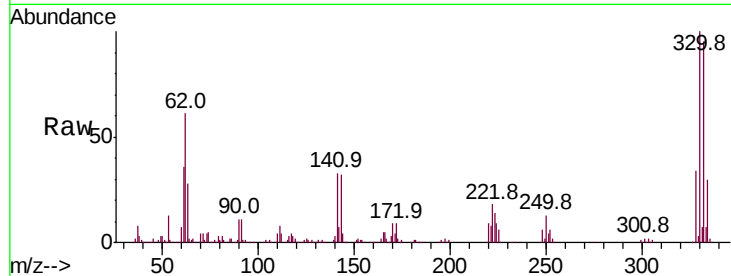




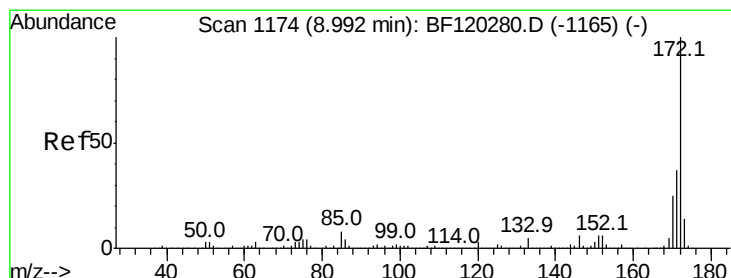
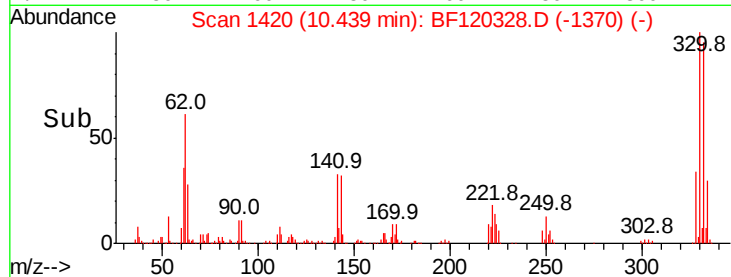
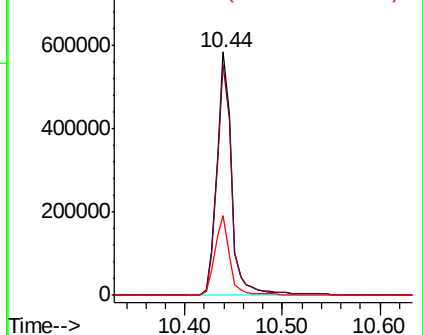
#42
 2,4,6-Tribromophenol
 Concen: 126.694 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.5	114.7
141	32.7	25.4	38.0

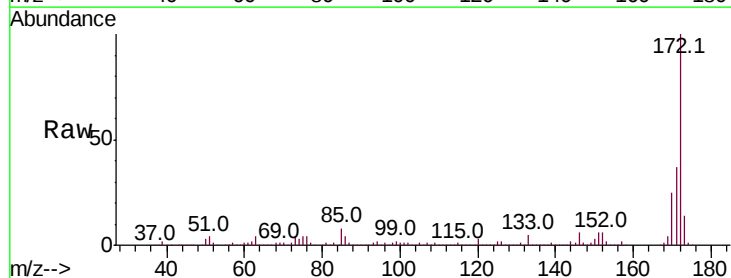


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

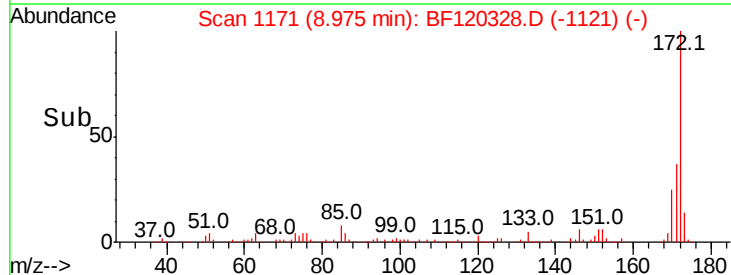
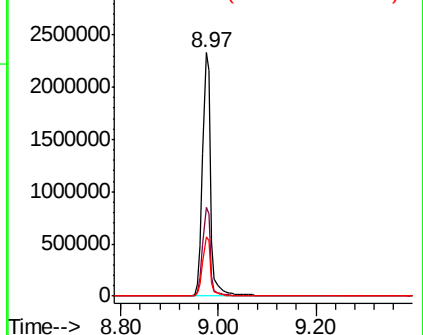


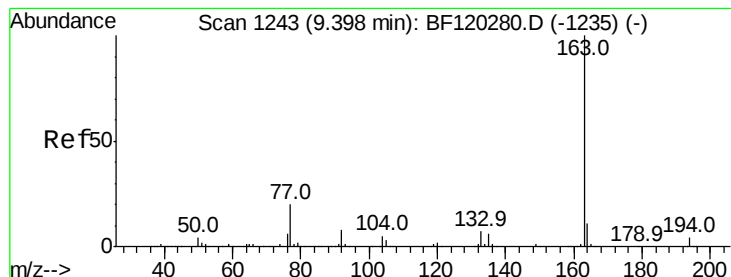
#45
 2-Fluorobiphenyl
 Concen: 93.243 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.6	19.9	29.9



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: 14.895 ng

RT: 9.37 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

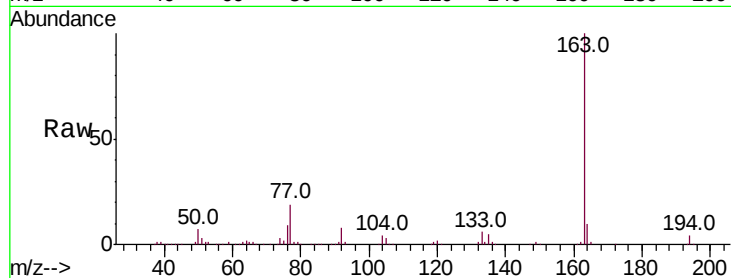
Tot Ion:163 Resp: 564811

Ion Ratio Lower Upper

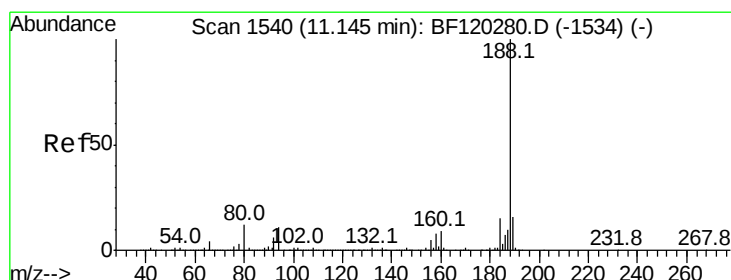
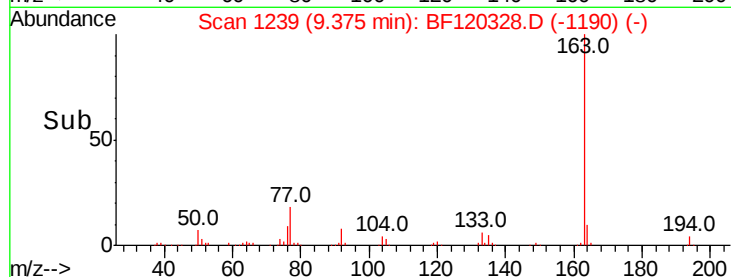
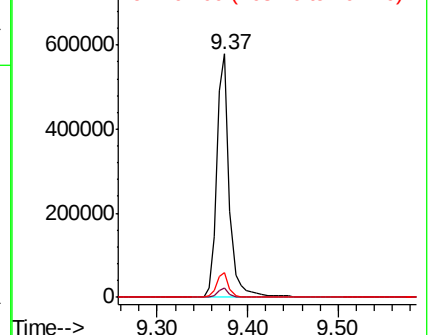
163 100

194 3.9 3.1 4.7

164 10.1 8.6 12.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.13 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

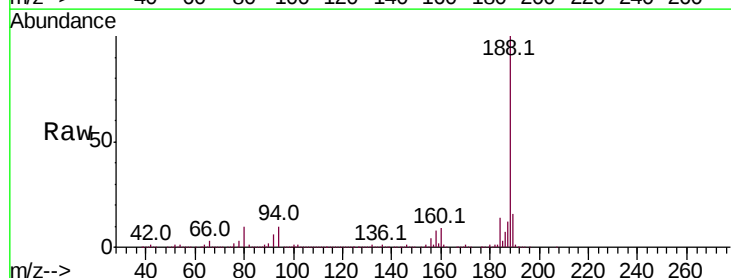
Tgt Ion:188 Resp: 1285166

Ion Ratio Lower Upper

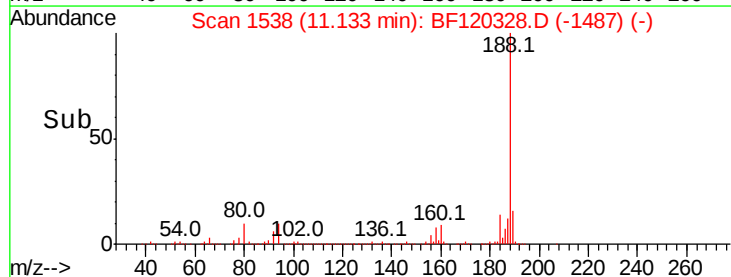
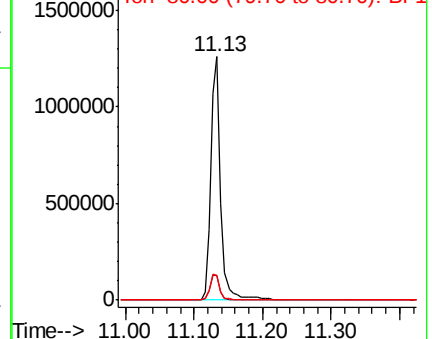
188 100

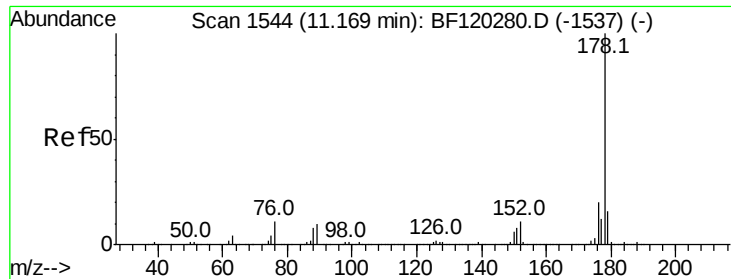
94 10.1 8.6 13.0

80 10.3 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

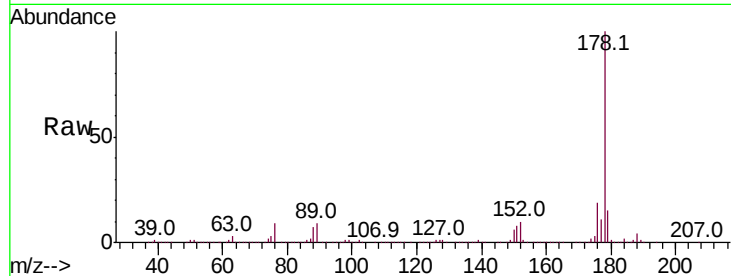




#71
Phenanthrene
Concen: 15.868 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.1	12.8	19.2

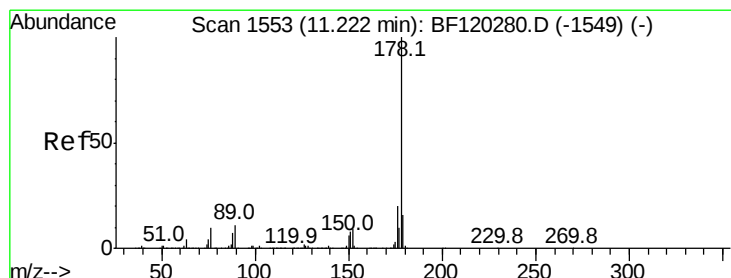
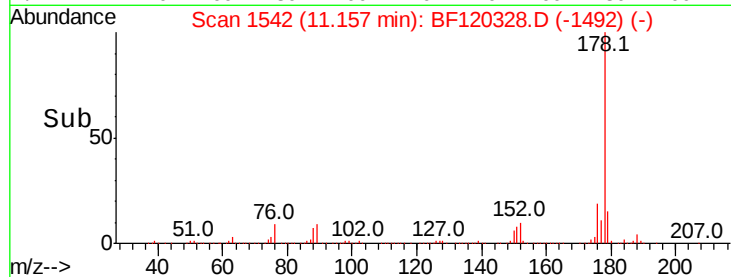
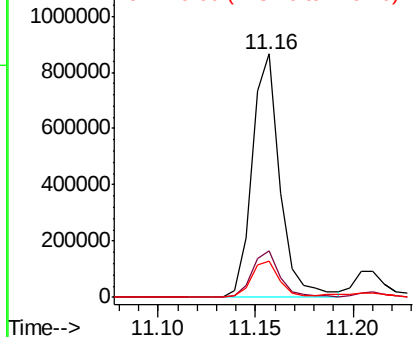


Abundance

Ion 178.00 (177.70 to 178.70): E

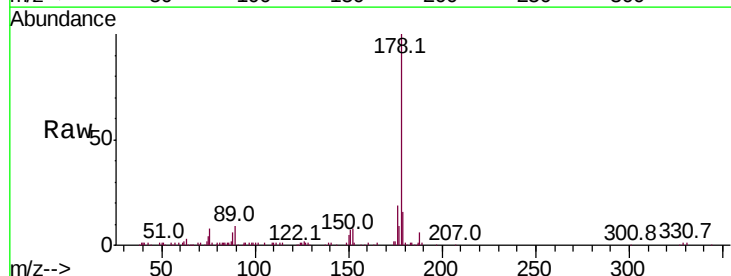
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 2.164 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF120328.D
Acq: 15 May 2020 18:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	16.5	13.0	19.6

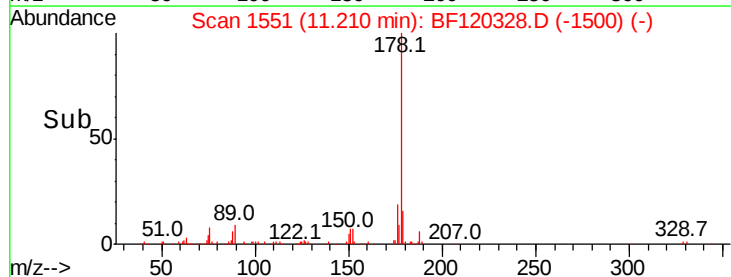
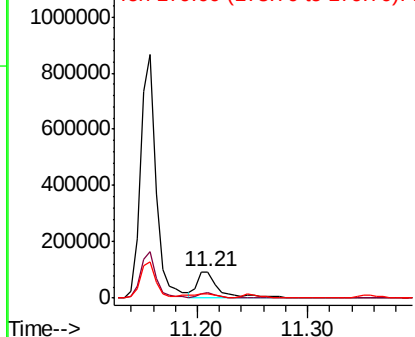


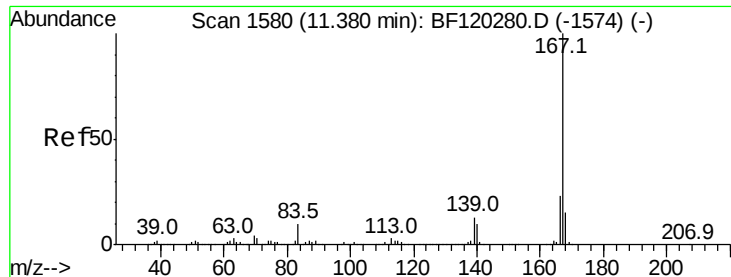
Abundance

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

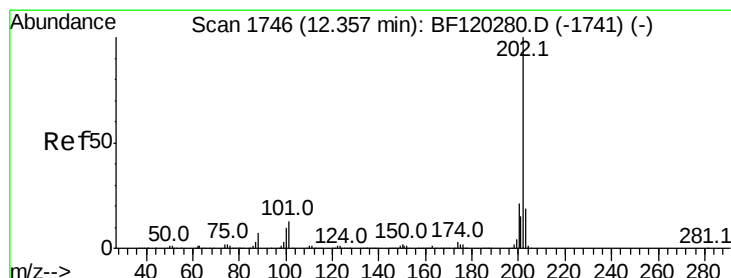
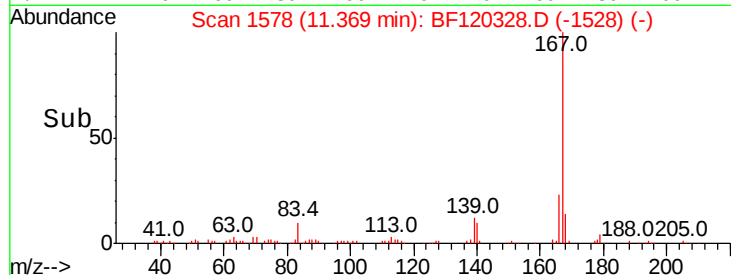
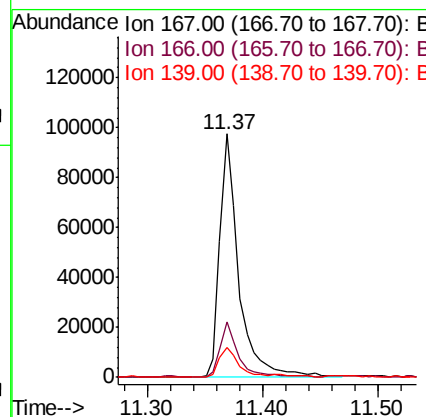
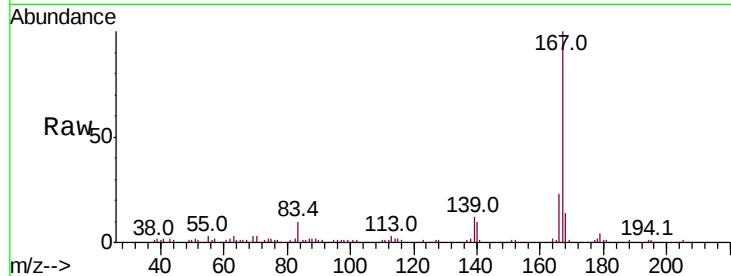




#73
 Carbazole
 Concen: 2.070 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

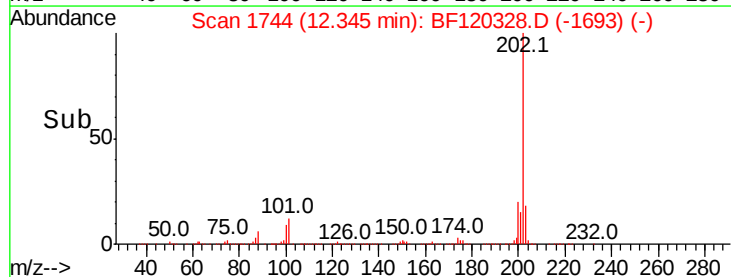
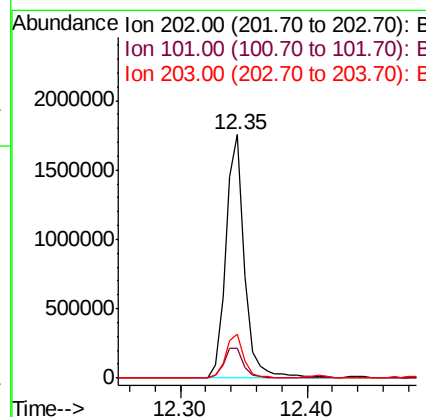
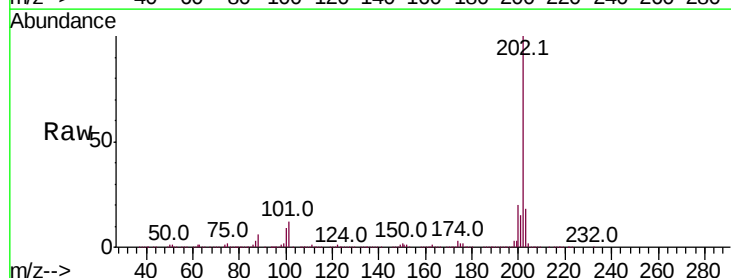
Instrument :
 BNA_F
 ClientSampleId :
 72-11944

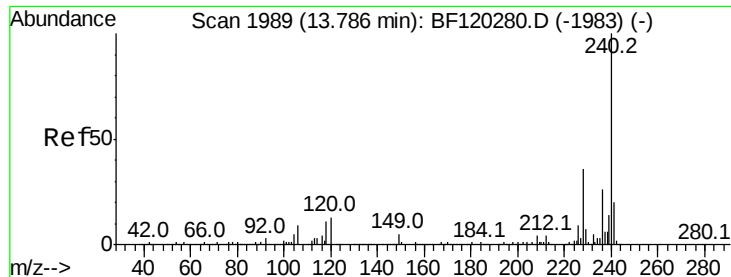
Tot Ion:167 Resp: 111823
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.1 27.1
 139 12.1 10.6 15.8



#75
 Fluoranthene
 Concen: 30.979 ng
 RT: 12.35 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: BF120328.D
 Acq: 15 May 2020 18:19

Tgt Ion:202 Resp: 1793101
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 33.2
 203 18.0 0.0 39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

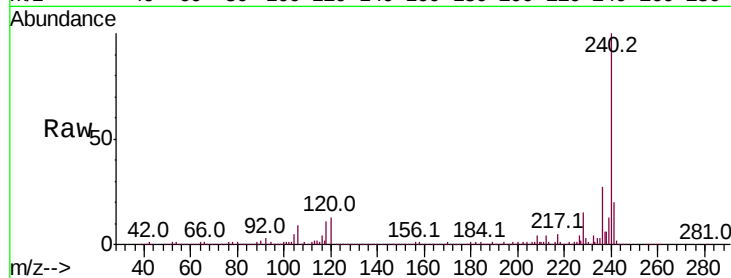
Tot Ion:240 Resp: 873213

Ion Ratio Lower Upper

240 100

120 12.9 10.4 15.6

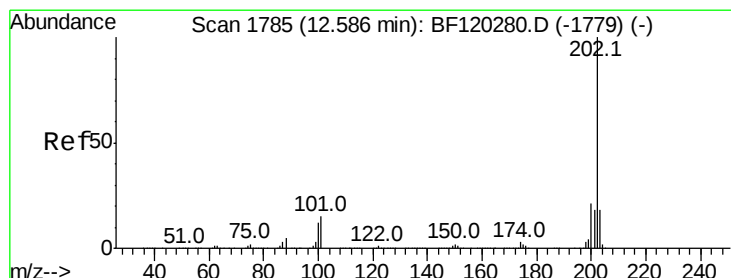
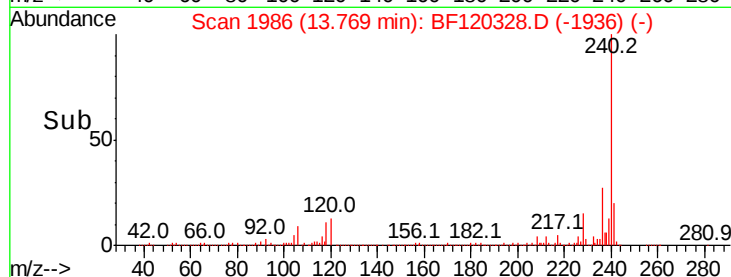
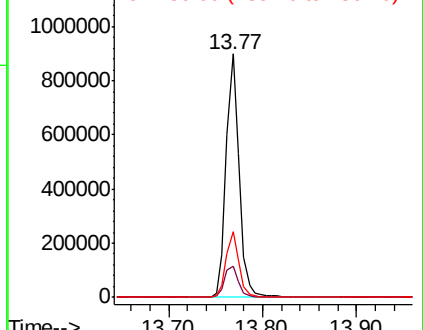
236 26.7 21.0 31.6



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: 23.426 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

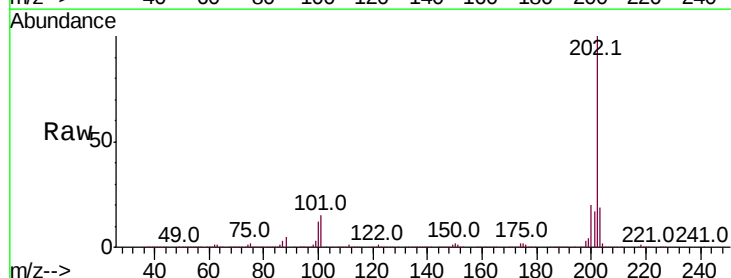
Tgt Ion:202 Resp: 1458285

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

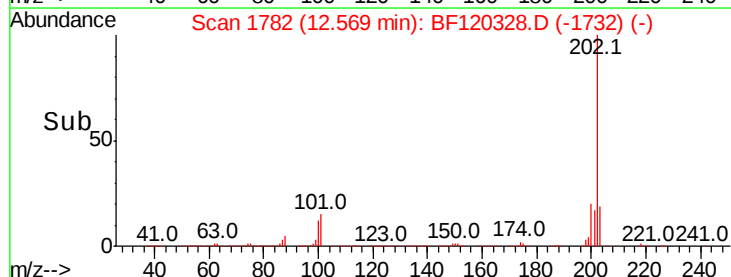
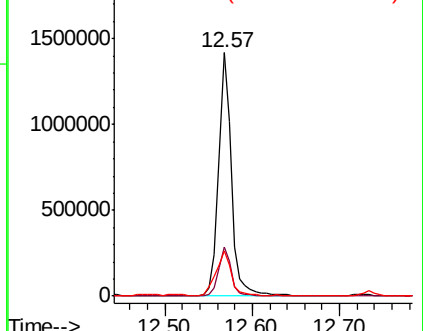
203 18.8 14.6 22.0

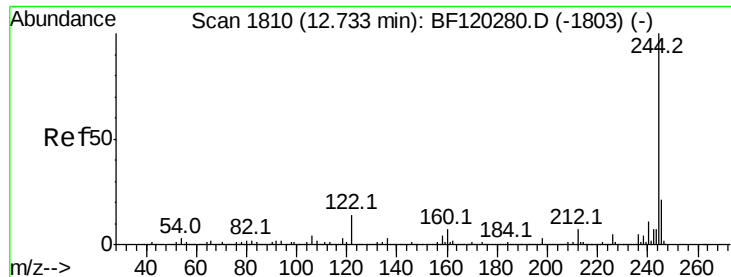


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.077 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

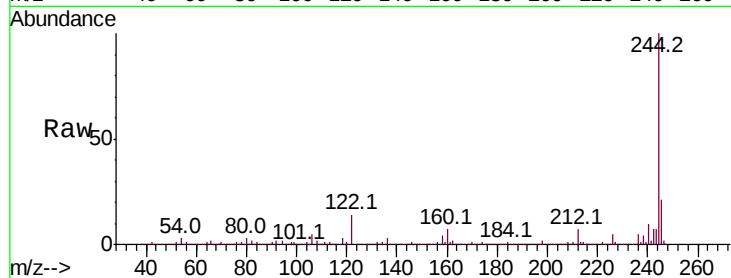
Tot Ion:244 Resp: 3204637

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

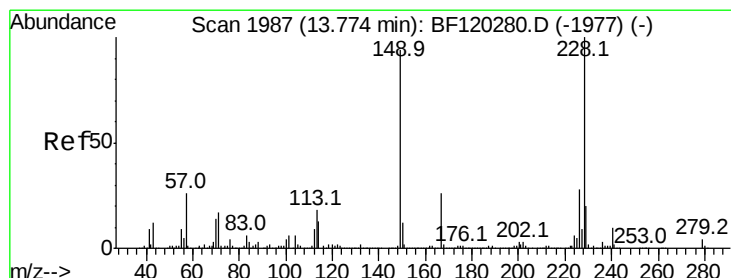
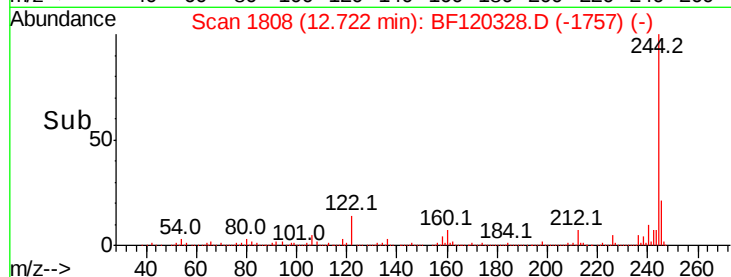
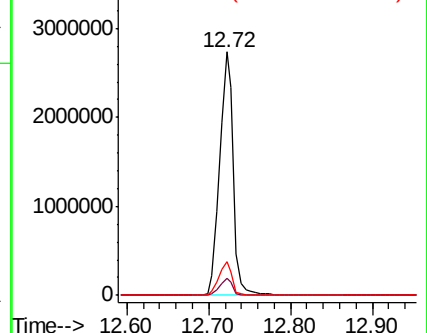
122 14.1 10.8 16.2



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: 11.147 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

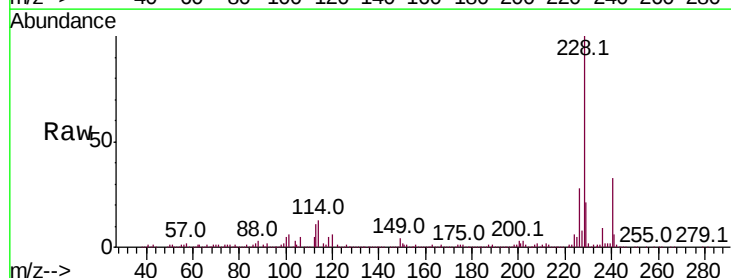
Tgt Ion:228 Resp: 513373

Ion Ratio Lower Upper

228 100

226 27.7 22.6 33.8

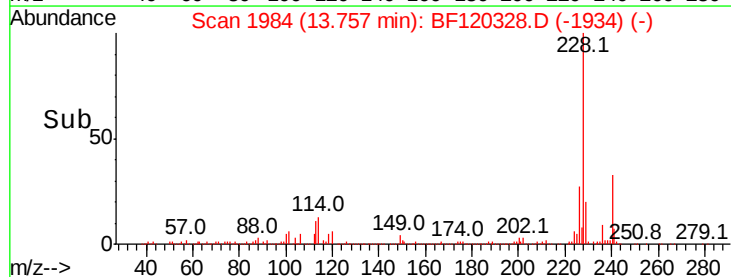
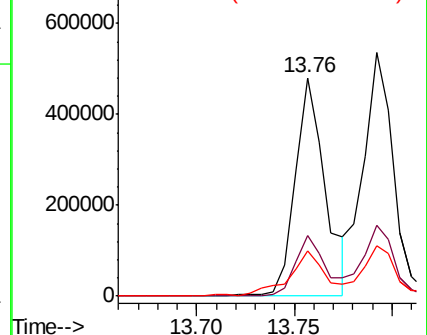
229 20.6 16.4 24.6

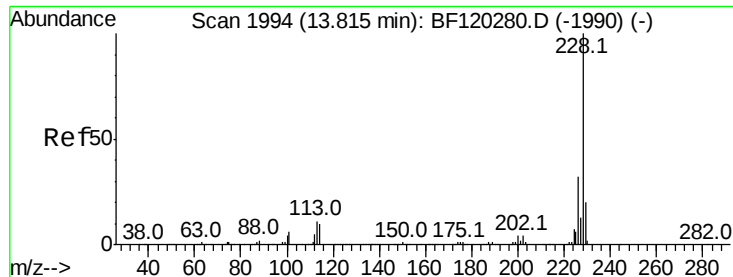


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.718 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

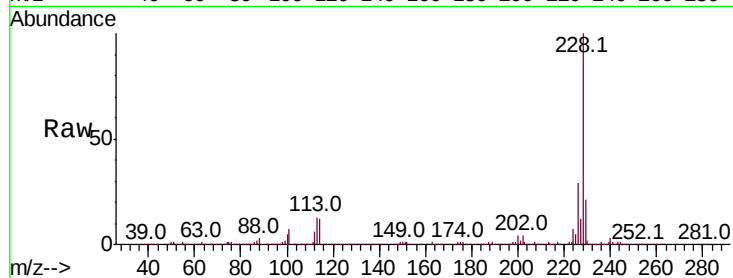
Tot Ion:228 Resp: 579527

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

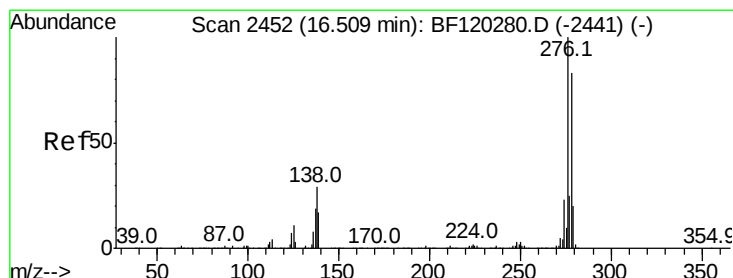
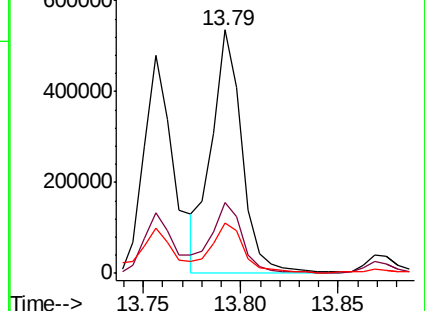
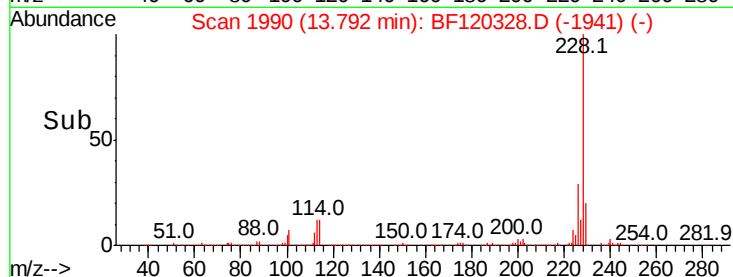
229 20.8 16.2 24.4



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.924 ng

RT: 16.47 min Scan# 2446

Delta R.T. -0.02 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

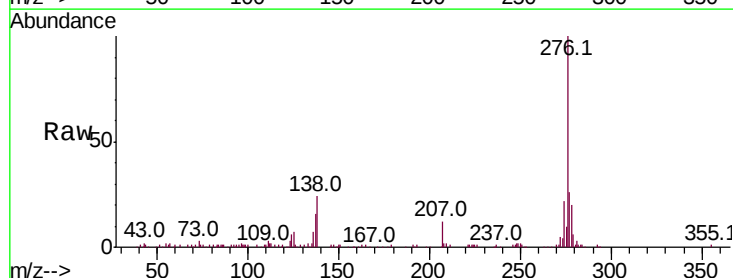
Tgt Ion:276 Resp: 176139

Ion Ratio Lower Upper

276 100

138 23.5 23.3 34.9

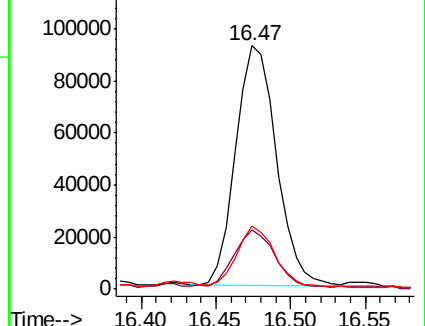
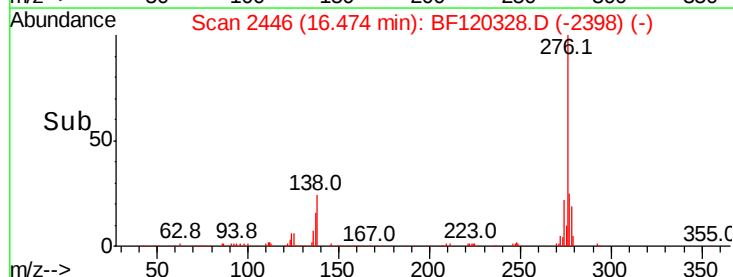
277 24.1 20.2 30.4

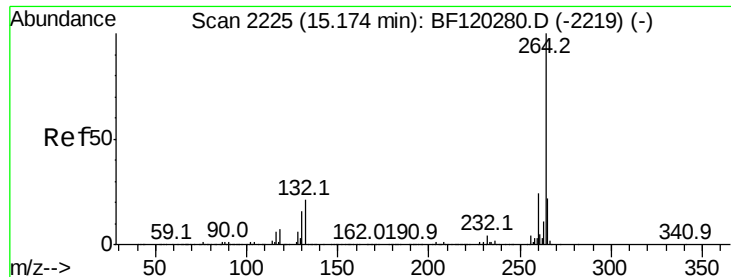


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

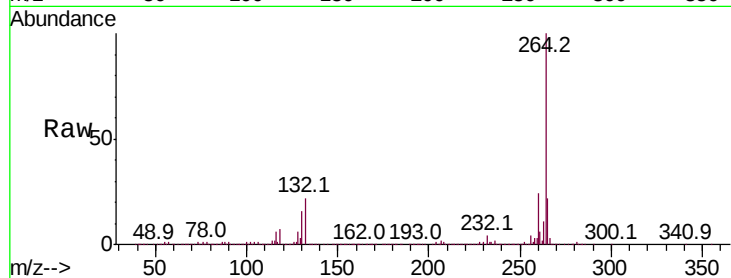
Tot Ion:264 Resp: 673340

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

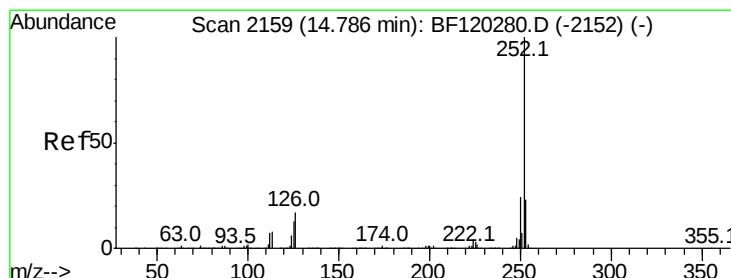
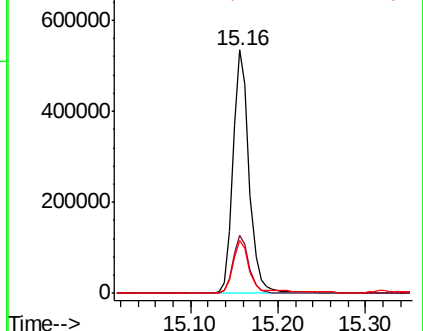
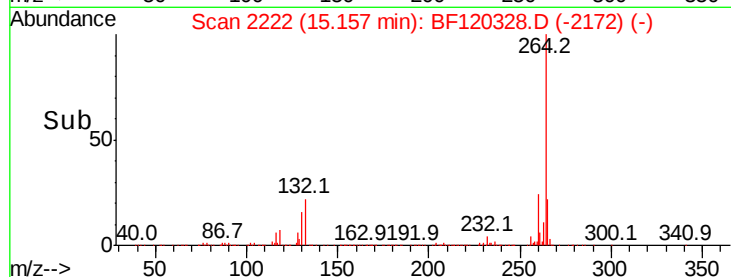
265 22.0 17.5 26.3



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: 14.786 ng m

RT: 14.77 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

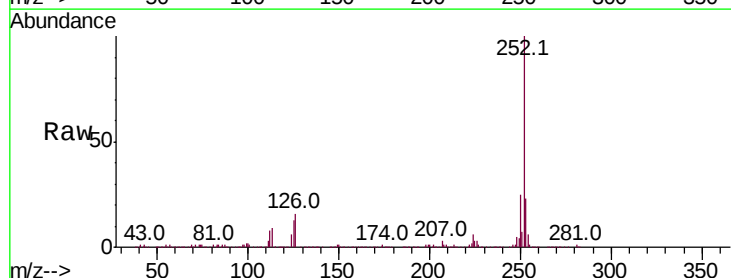
Tgt Ion:252 Resp: 543738

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

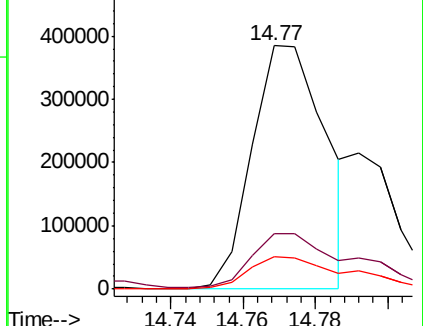
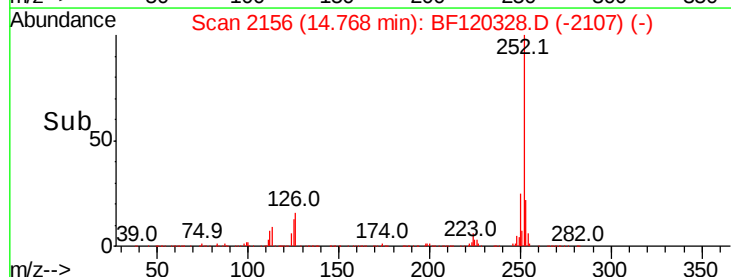
125 13.1 10.4 15.6

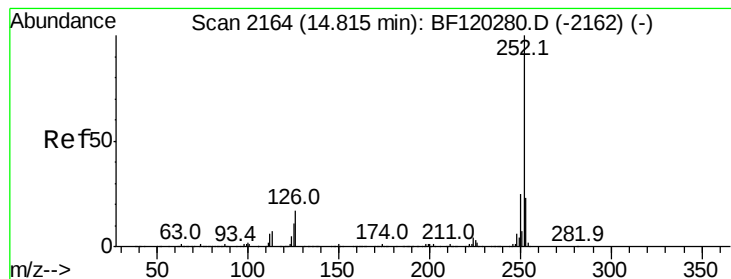


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.013 ng/mL

RT: 14.79 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

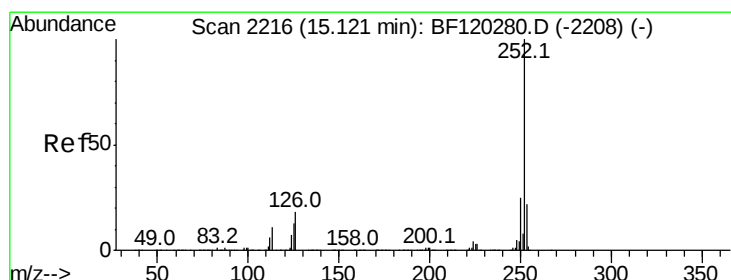
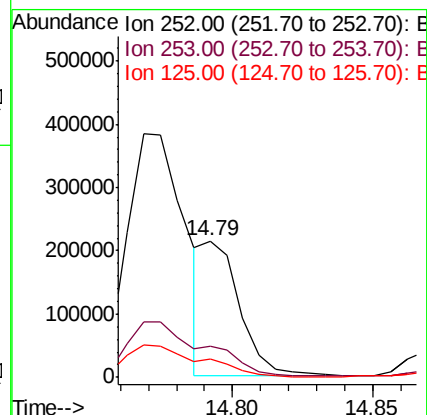
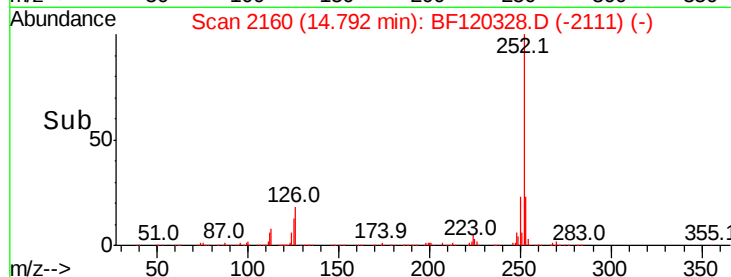
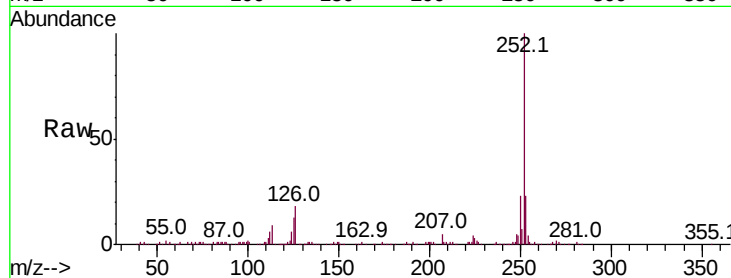
Tot Ion:252 Resp: 191583

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 13.5 9.9 14.9



#90

Benzo(a)pyrene

Concen: 9.224 ng/mL

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

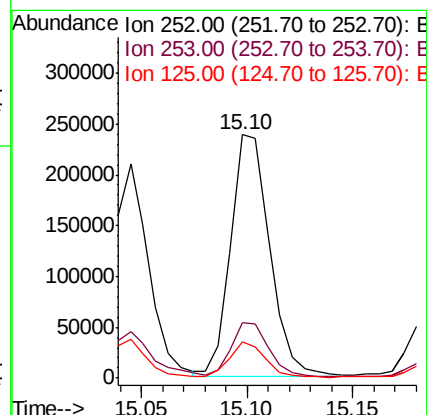
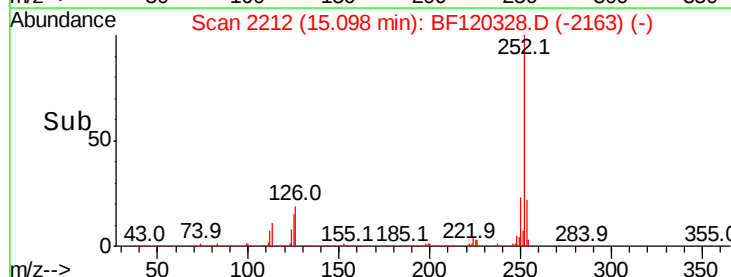
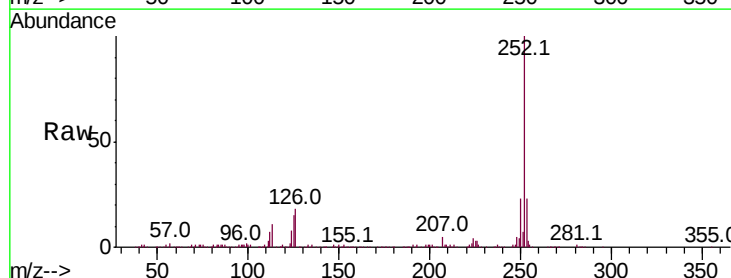
Tgt Ion:252 Resp: 304199

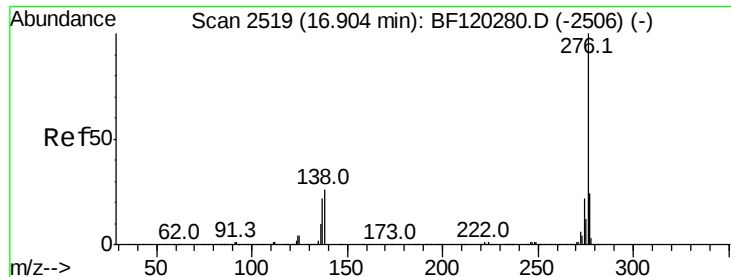
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 14.7 10.6 16.0





#92

Benzo(a,h,i)perylene

Concen: 5.879 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.02 min

Lab File: BF120328.D

Acq: 15 May 2020 18:19

Instrument :

BNA_F

ClientSampleId :

72-11944

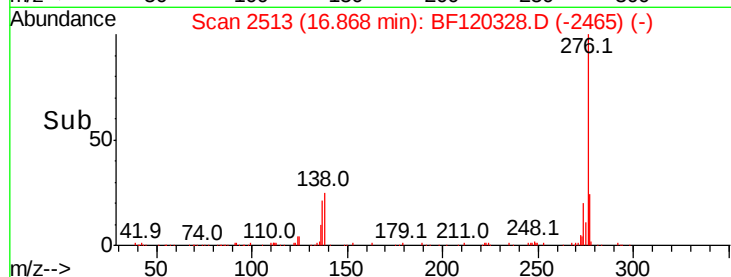
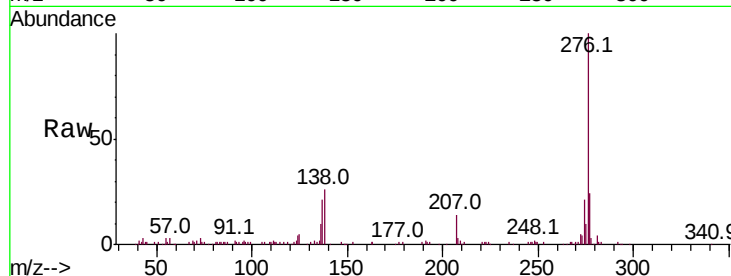
Tot Ion:276 Resp: 173212

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 25.7 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

