

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120317.D
 Acq On : 15 May 2020 13:12
 Operator : MA/SJ
 Sample : L2605-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 239996

Quant Time: May 15 13:56:04 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

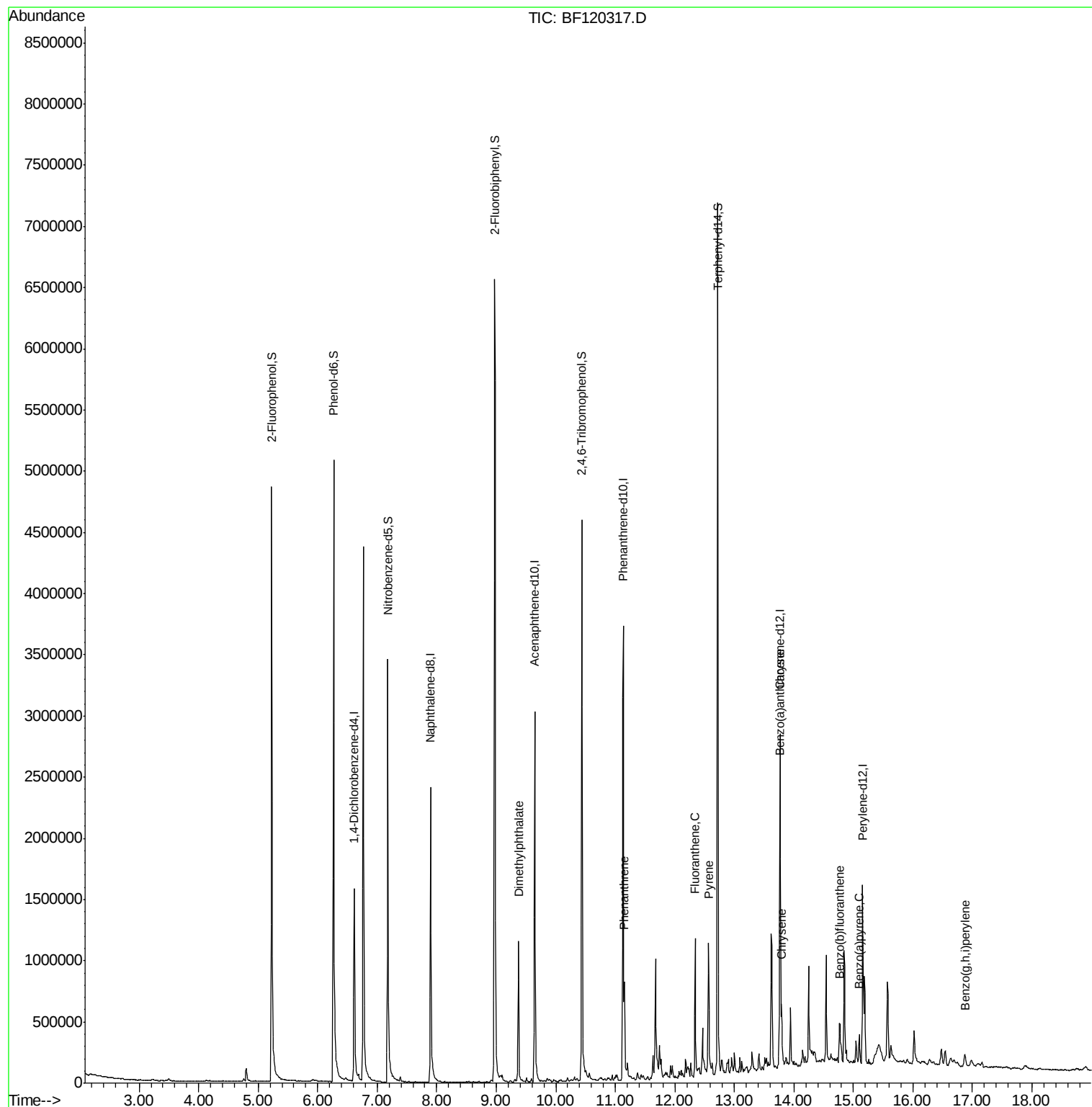
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	354508	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1463582	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	785421	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	1575373	20.00	ng	0.00
76) Chrysene-d12	13.77	240	930005	20.00	ng	0.00
87) Perylene-d12	15.16	264	679062	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1651882	90.66	ng	0.00
7) Phenol-d6	6.27	99	2302842	99.95	ng	0.00
23) Nitrobenzene-d5	7.18	82	1405076	65.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	656890	102.58	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2711175	70.92	ng	0.00
79) Terphenyl-d14	12.72	244	2957065	70.24	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.37	163	496514	10.000	ng	99
71) Phenanthrene	11.16	178	316868	4.787	ng	97
75) Fluoranthene	12.34	202	475409	6.700	ng	99
78) Pyrene	12.57	202	479532	7.233	ng	98
81) Benzo(a)anthracene	13.76	228	186873	3.810	ng	99
83) Chrysene	13.79	228	195011	3.702	ng	97
88) Benzo(b)fluoranthene	14.77	252	175266m	4.726	ng	
90) Benzo(a)pyrene	15.10	252	111271	3.346	ng	99
92) Benzo(g,h,i)perylene	16.87	276	83684	2.817	ng	98

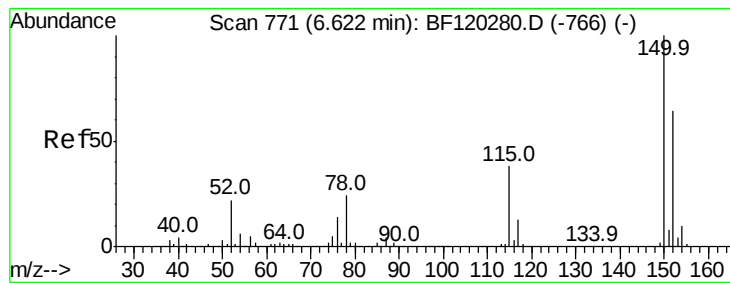
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 15 12:31:31 2020
Response via : Initial Calibration



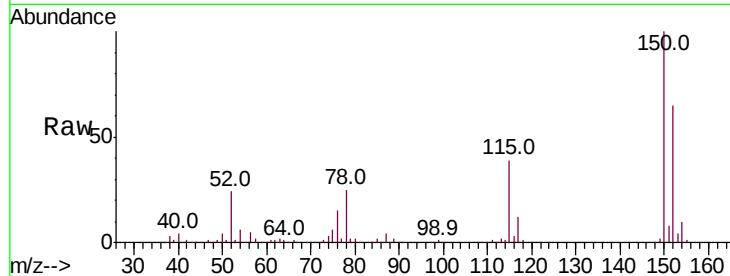


#1

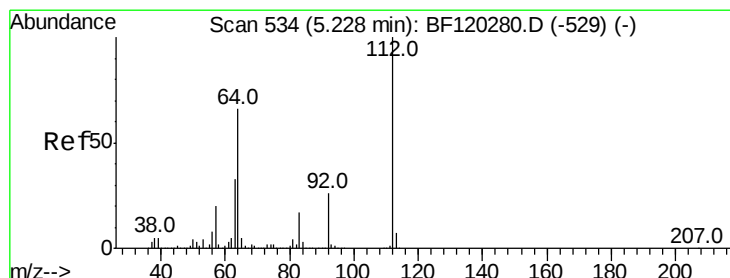
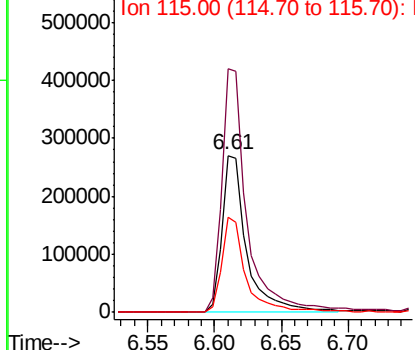
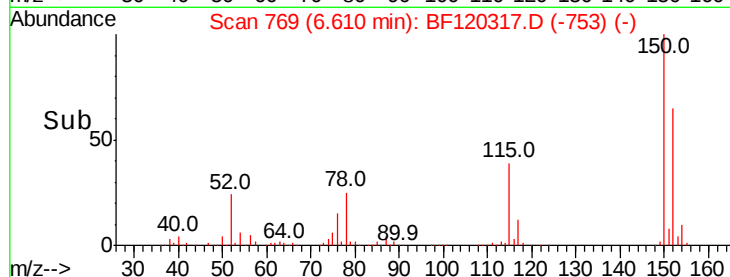
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF120317.D
 Acq: 15 May 2020 13:12

Instrument :
 BNA_F
 ClientSampleId :
 239996

Tot Ion:152 Resp: 354508
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.2 189.2
 115 60.7 47.9 71.9



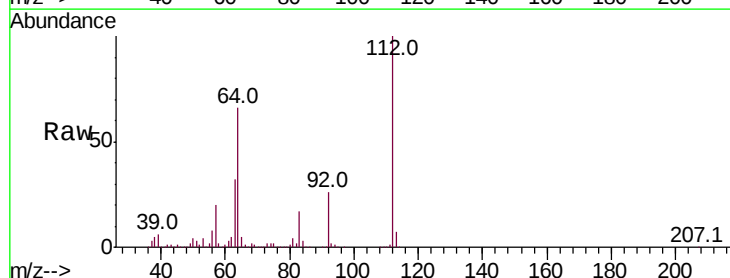
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



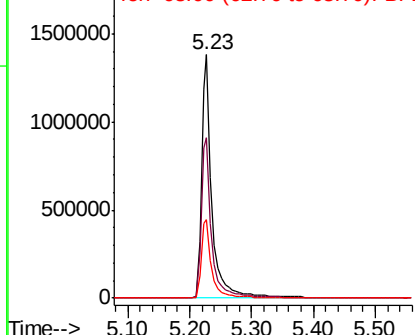
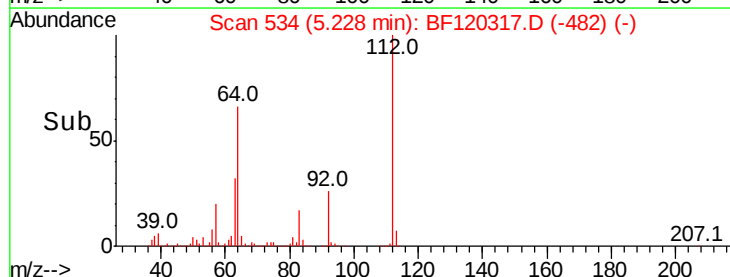
#5

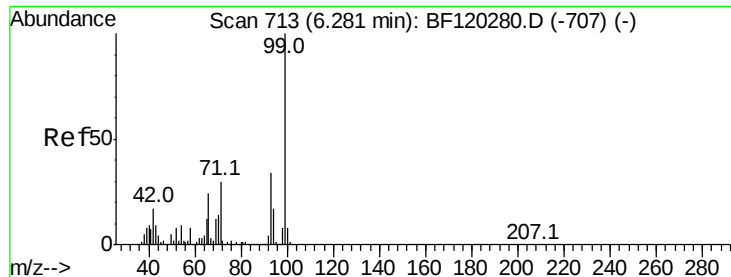
2-Fluorophenol
 Concen: 90.663 ng
 RT: 5.23 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: BF120317.D
 Acq: 15 May 2020 13:12

Tgt Ion:112 Resp: 1651882
 Ion Ratio Lower Upper
 112 100
 64 65.9 52.7 79.1
 63 32.5 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: 99.946 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120317.D

Acq: 15 May 2020 13:12

Instrument :

BNA_F

ClientSampleId :

239996

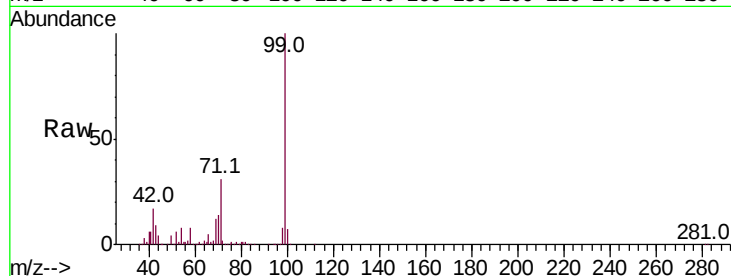
Tot Ion: 99 Resp: 2302842

Ion Ratio Lower Upper

99 100

42 16.6 13.6 20.4

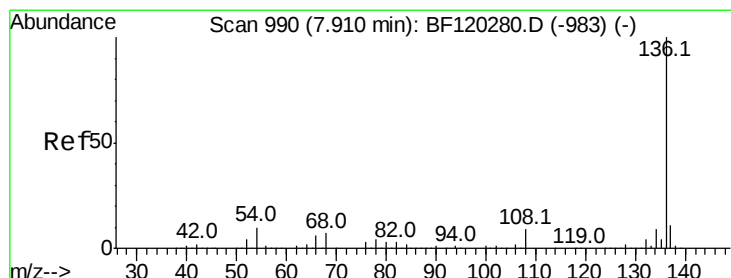
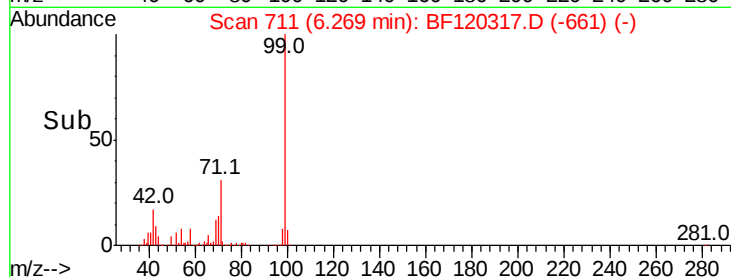
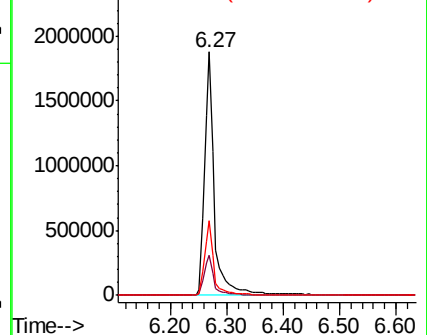
71 30.7 24.2 36.4



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: BF120317.D

Acq: 15 May 2020 13:12

Tgt Ion: 136 Resp: 1463582

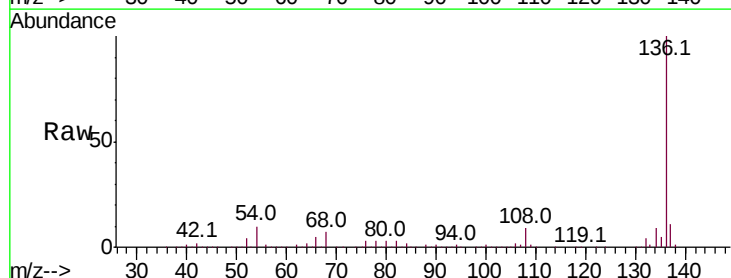
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.7 7.9 11.9

68 6.6 5.4 8.2

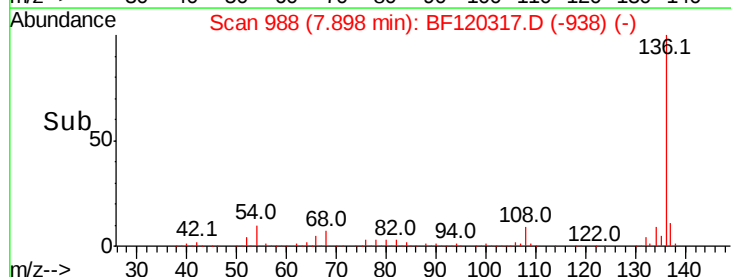
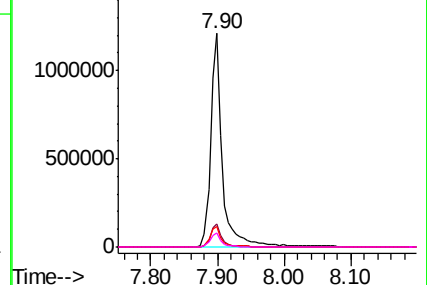


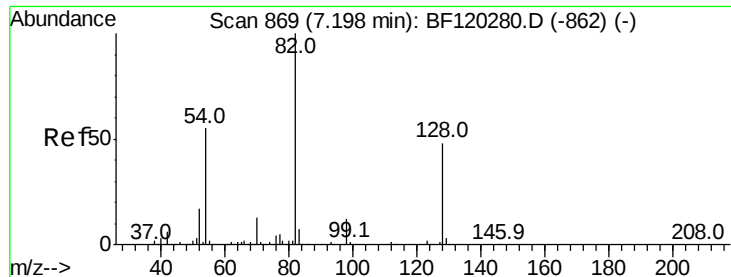
Abundance Ion 136.00 (135.70 to 136.70): E

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



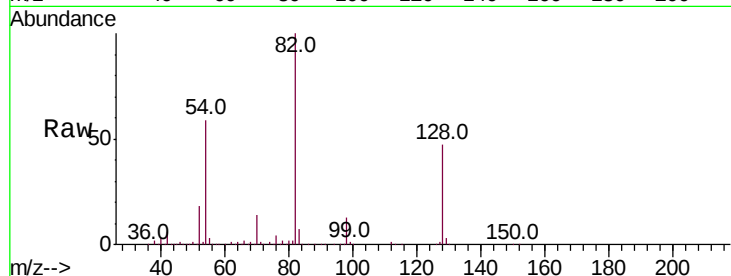


#23
 Nitrobenzene-d5
 Concen: 65.730 ng
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BF120317.D
 Acq: 15 May 2020 13:12

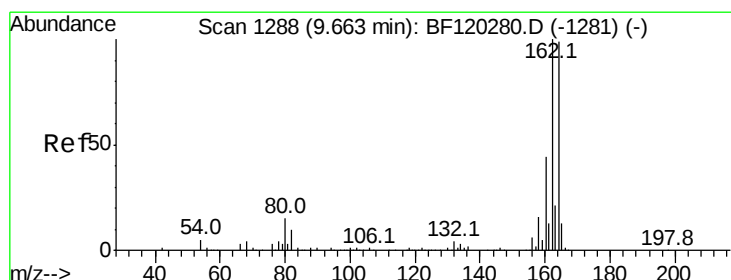
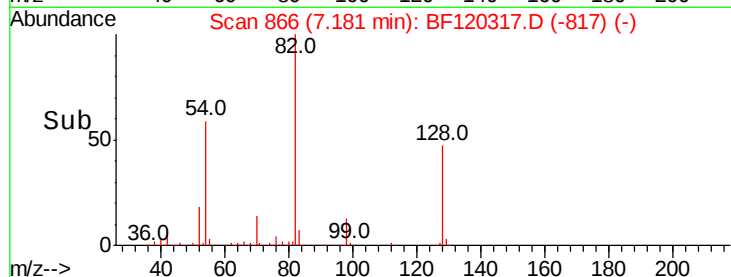
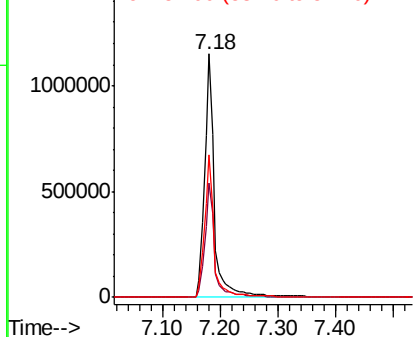
Instrument :
 BNA_F
 ClientSampleId :
 239996

Tot Ion: 82 Resp: 1405076

Ion	Ratio	Lower	Upper
82	100		
128	46.9	38.3	57.5
54	58.7	43.9	65.9



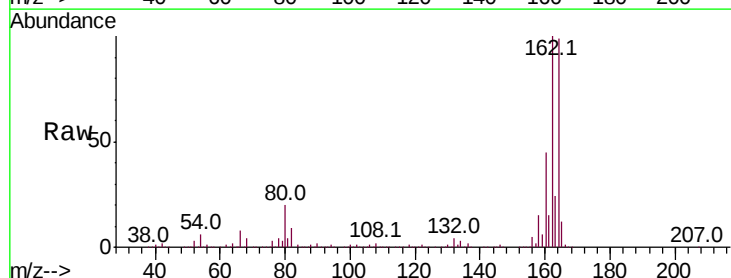
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



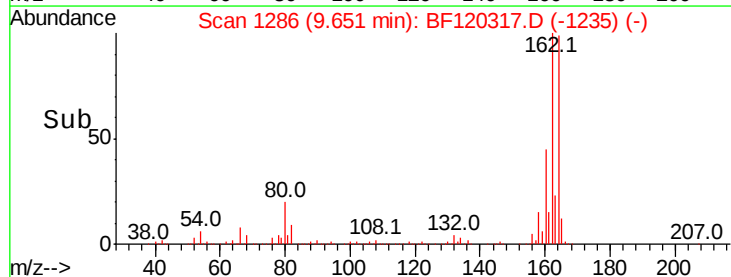
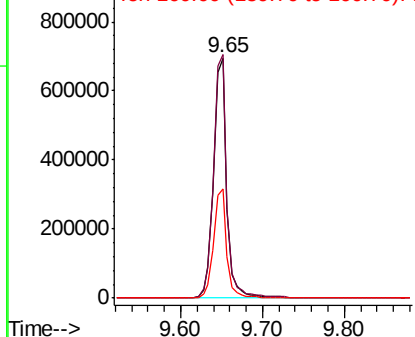
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: BF120317.D
 Acq: 15 May 2020 13:12

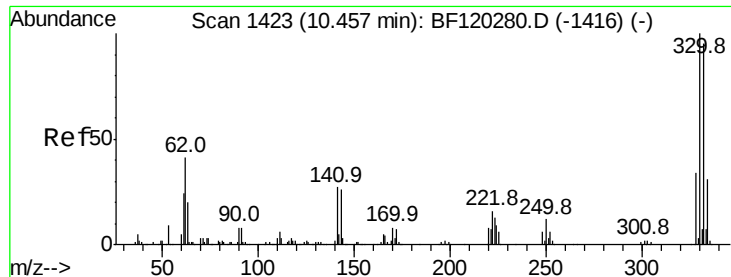
Tgt Ion:164 Resp: 785421

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.2	121.8
160	45.2	35.8	53.6



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

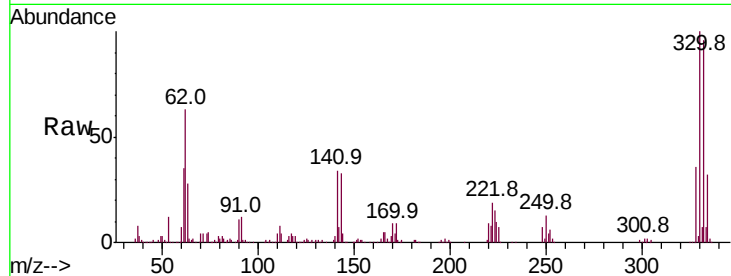




#42
 2,4,6-Tribromophenol
 Concen: 102.576 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF120317.D
 Acq: 15 May 2020 13:12

Instrument :
 BNA_F
 ClientSampleId :
 239996

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.5	114.7
141	33.3	25.4	38.0

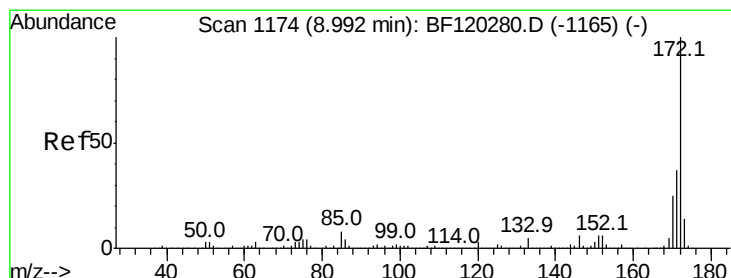
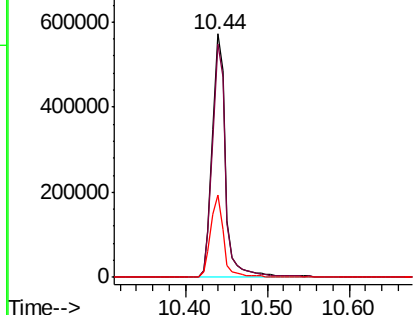
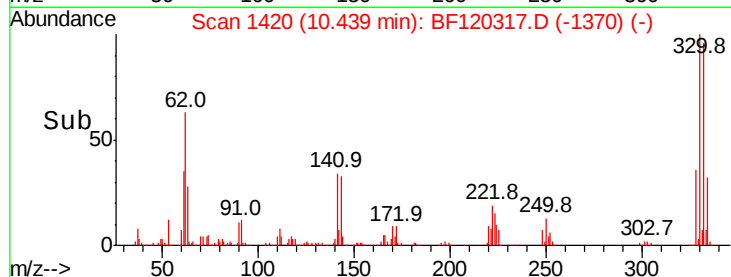


Abundance

Ion 329.80 (329.50 to 330.50): E

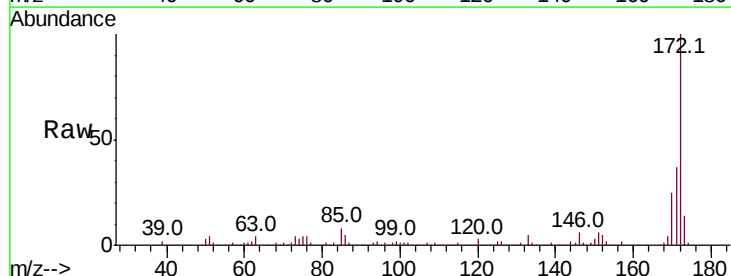
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 70.918 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF120317.D
 Acq: 15 May 2020 13:12

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

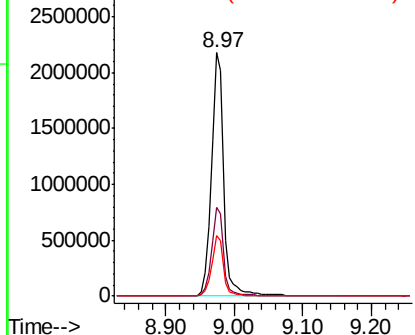
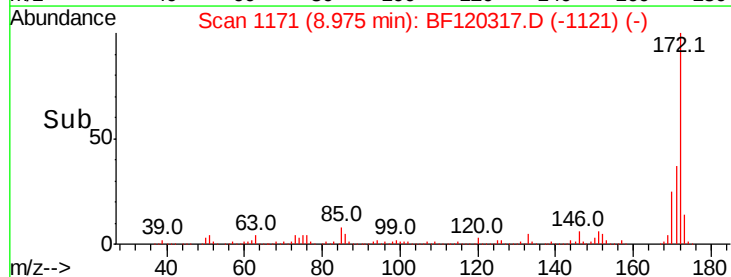


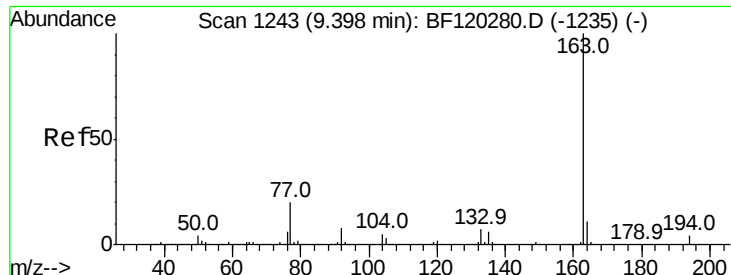
Abundance

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

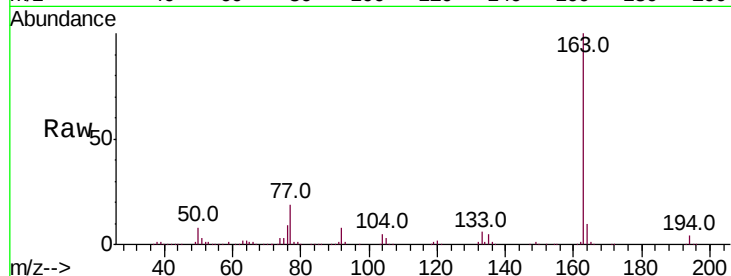




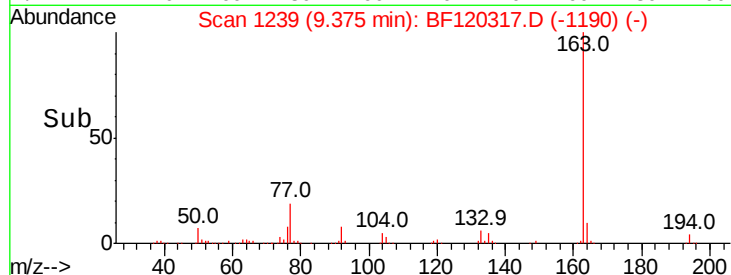
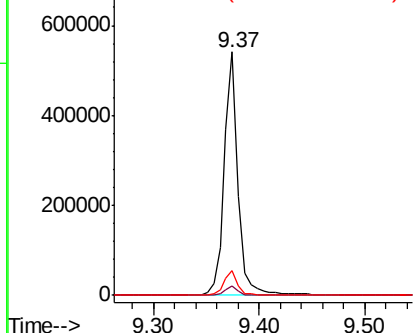
#50
Dimethylphthalate
Concen: 10.000 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120317.D
Acq: 15 May 2020 13:12

Instrument :
BNA_F
ClientSampleId :
239996

Tot Ion:163 Resp: 496514
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.1 8.6 12.8

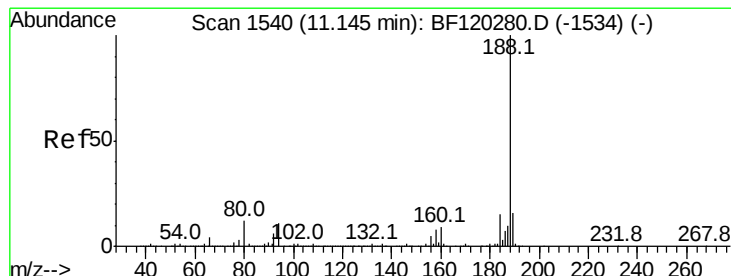


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

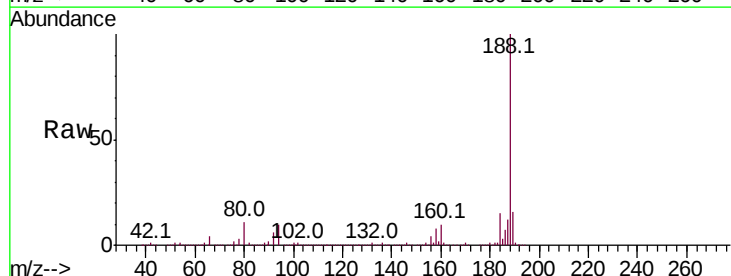
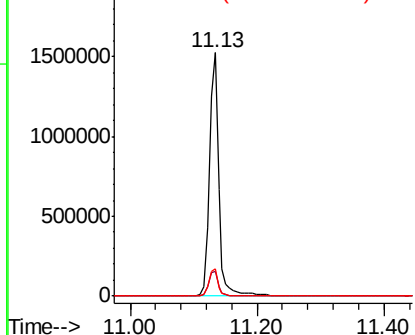


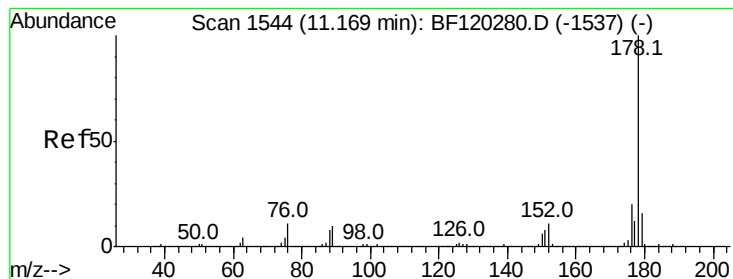
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BF120317.D
Acq: 15 May 2020 13:12

Tgt Ion:188 Resp: 1575373
Ion Ratio Lower Upper
188 100
94 10.3 8.6 13.0
80 11.0 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: 4.787 ng

RT: 11.16 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BF120317.D

Acq: 15 May 2020 13:12

Instrument :

BNA_F

ClientSampleId :

239996

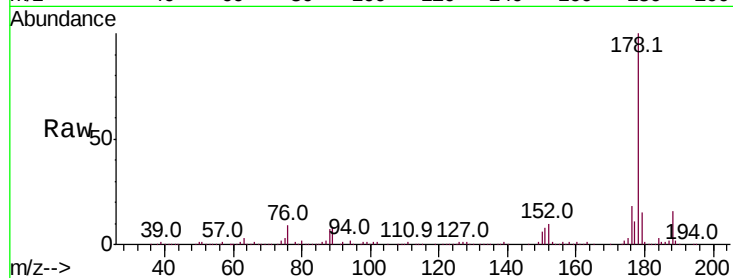
Tot Ion:178 Resp: 316868

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

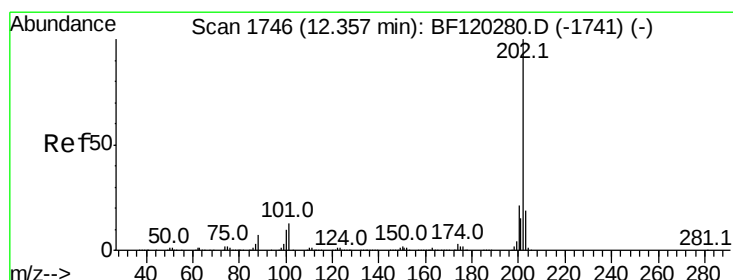
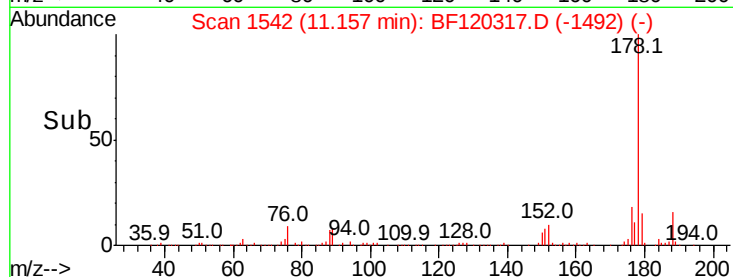
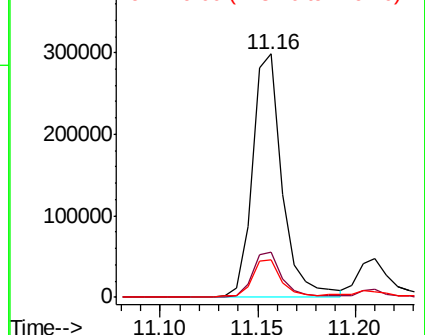
179 15.2 12.8 19.2



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



#75

Fluoranthene

Concen: 6.700 ng

RT: 12.34 min Scan# 1743

Delta R.T. -0.01 min

Lab File: BF120317.D

Acq: 15 May 2020 13:12

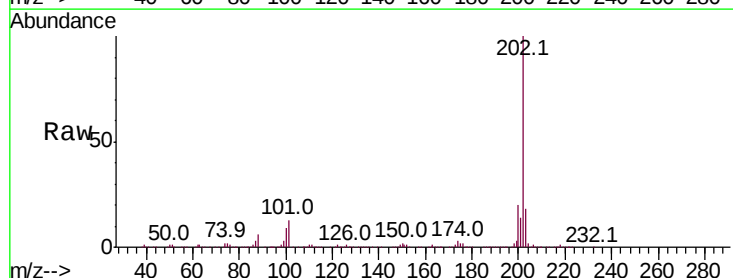
Tgt Ion:202 Resp: 475409

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

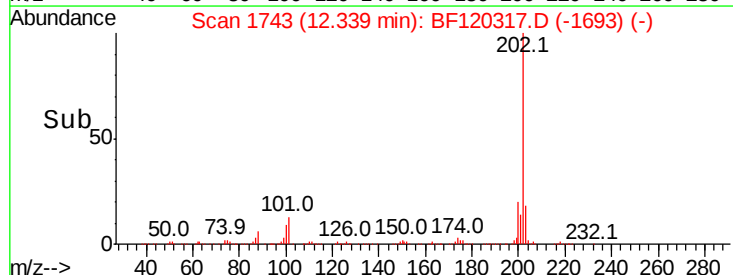
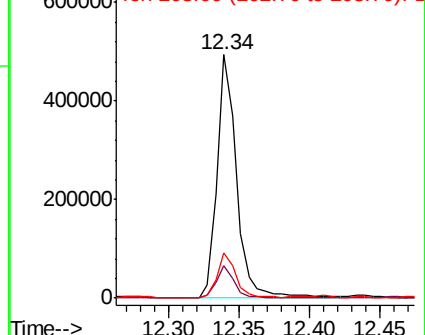
203 18.5 0.0 39.1

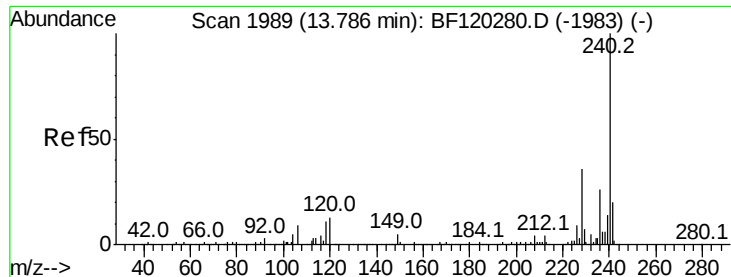


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

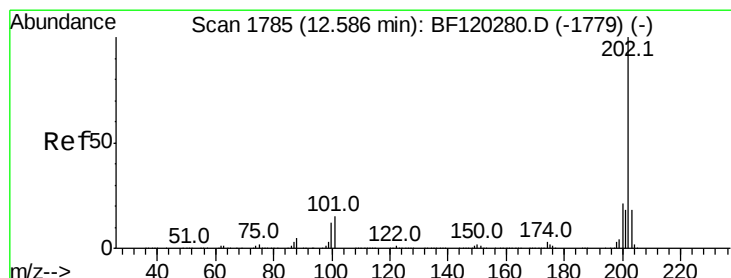
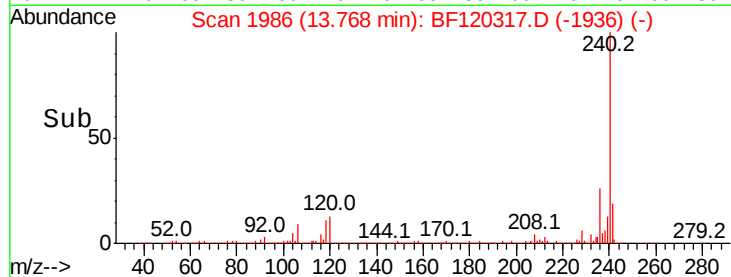
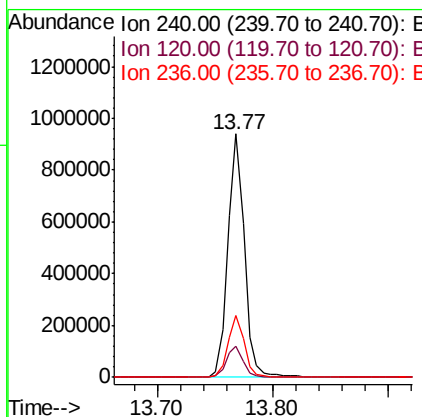
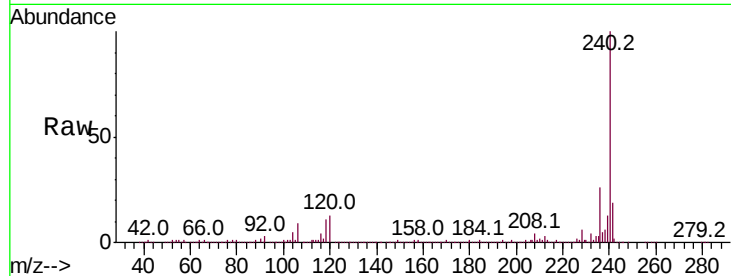




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF120317.D
Acq: 15 May 2020 13:12

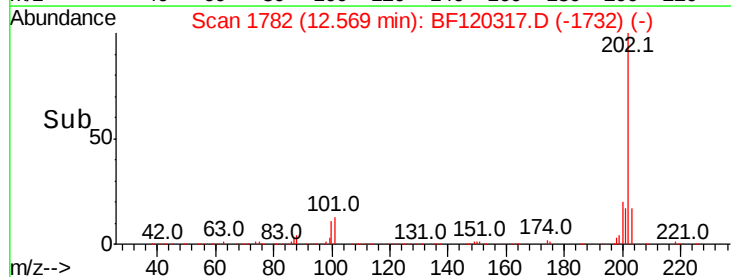
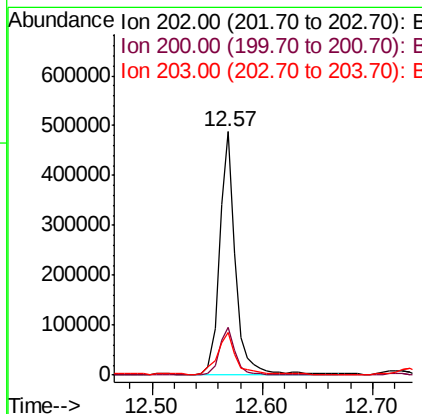
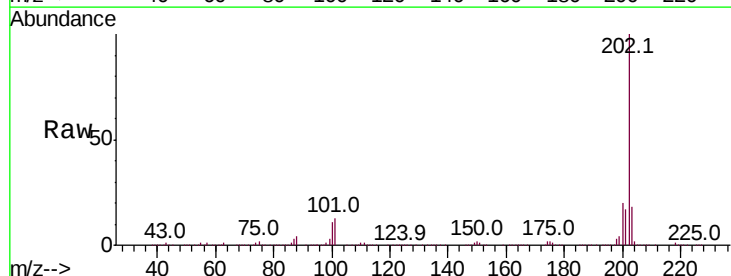
Instrument :
BNA_F
ClientSampleId :
239996

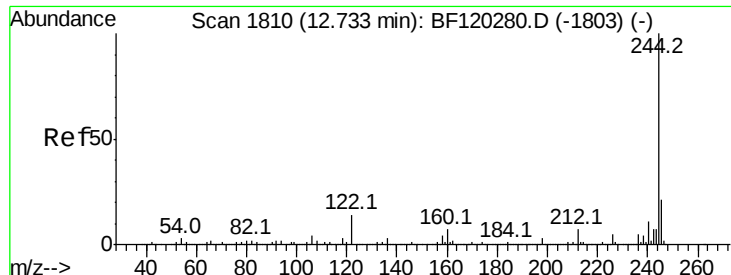
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.4	15.6
236	25.6	21.0	31.6



#78
Pyrene
Concen: 7.233 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF120317.D
Acq: 15 May 2020 13:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.6	25.0
203	17.8	14.6	22.0





#79

Terphenyl-d14

Concen: 70.245 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF120317.D

Acq: 15 May 2020 13:12

Instrument :

BNA_F

ClientSampleId :

239996

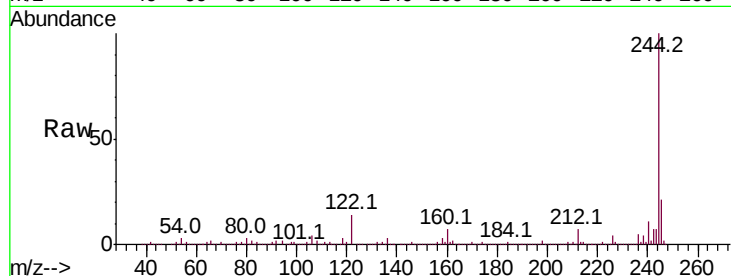
Tot Ion:244 Resp: 2957065

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

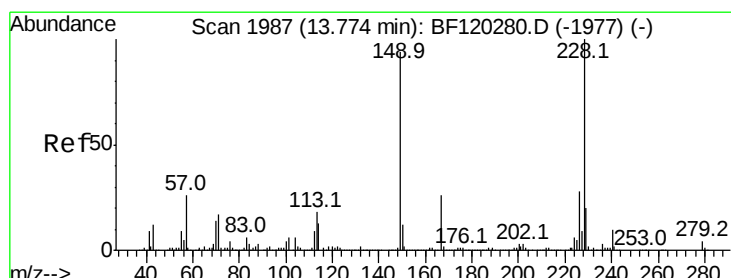
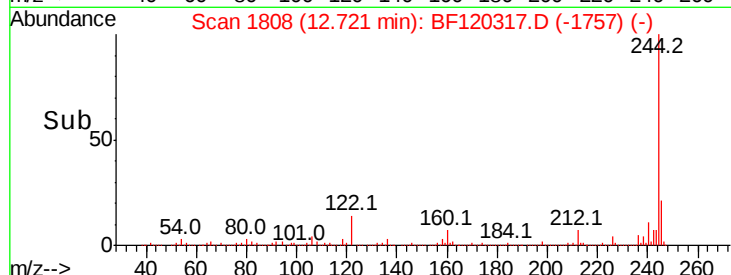
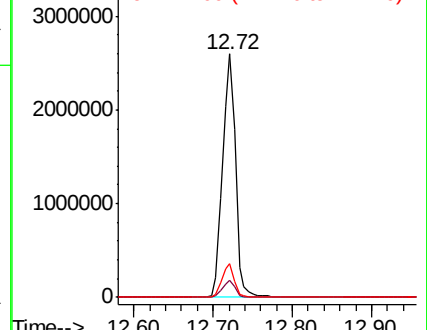
122 13.8 10.8 16.2



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: 3.810 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120317.D

Acq: 15 May 2020 13:12

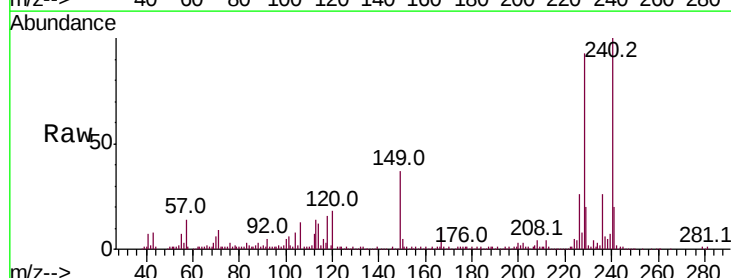
Tgt Ion:228 Resp: 186873

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

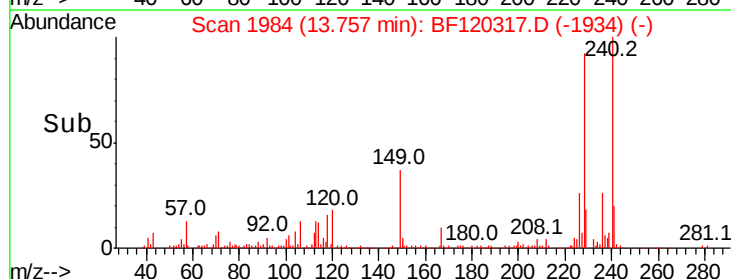
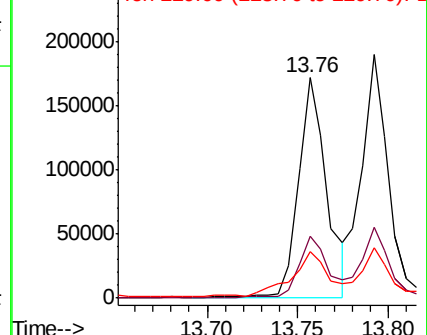
229 21.1 16.4 24.6

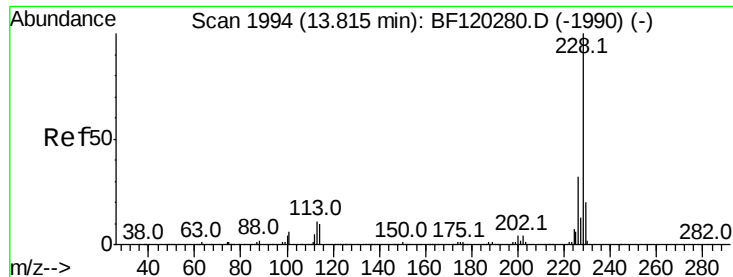


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.702 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF120317.D

Acq: 15 May 2020 13:12

Instrument :

BNA_F

ClientSampleId :

239996

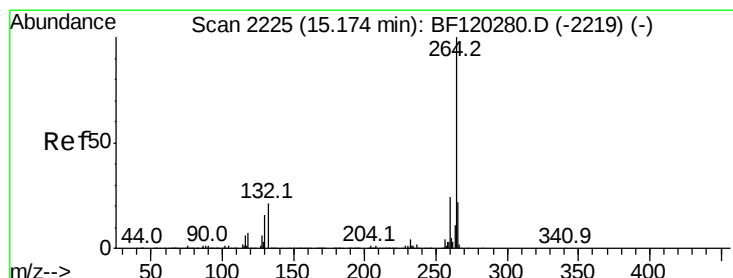
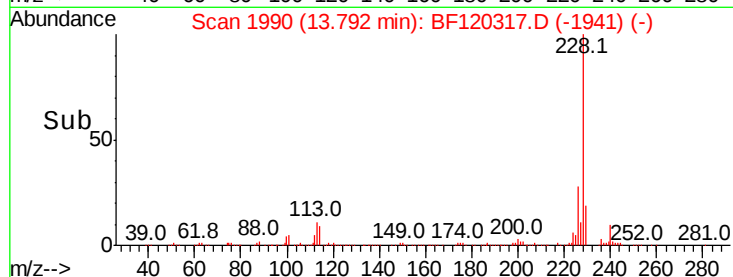
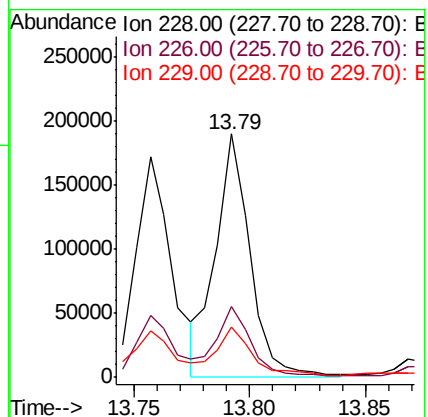
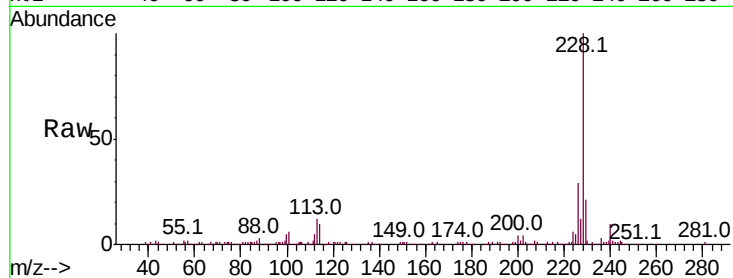
Tot Ion:228 Resp: 195011

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

229 20.9 16.2 24.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF120317.D

Acq: 15 May 2020 13:12

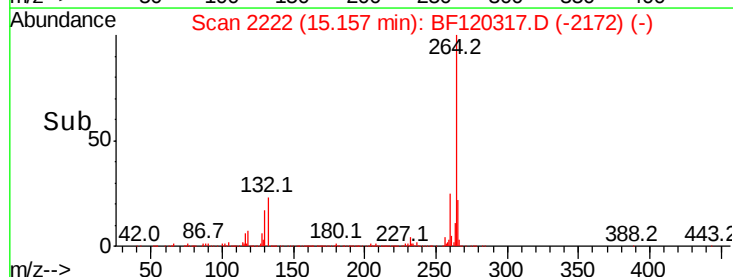
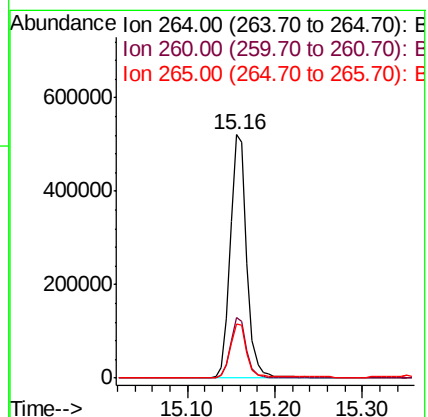
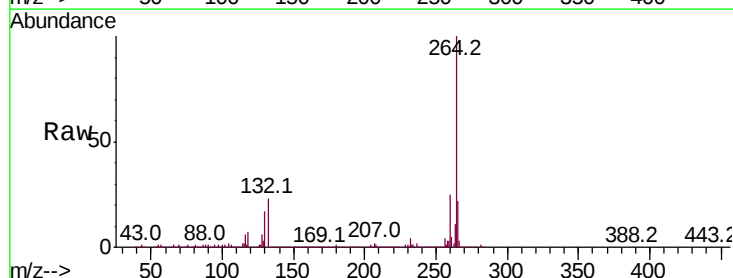
Tgt Ion:264 Resp: 679062

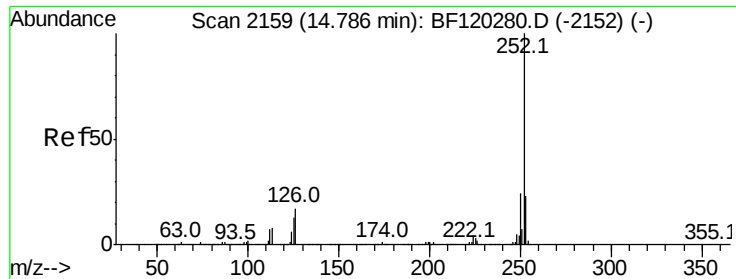
Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

265 22.3 17.5 26.3

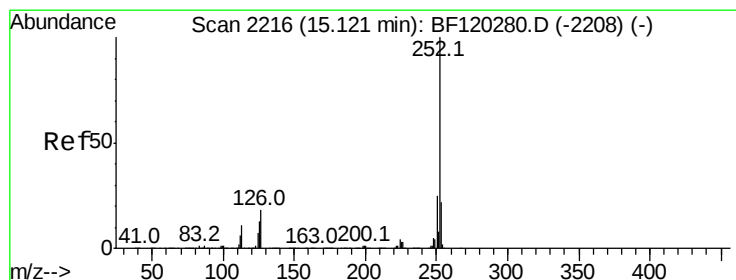
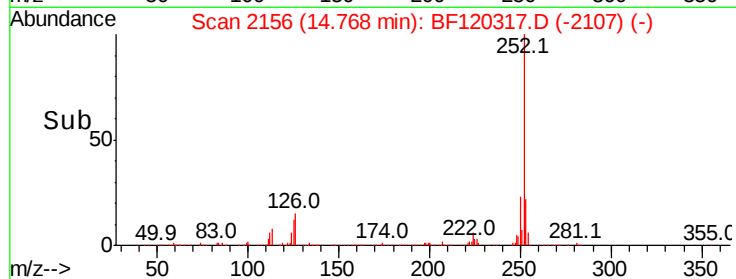
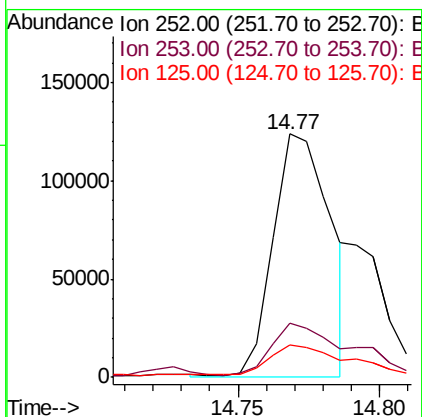
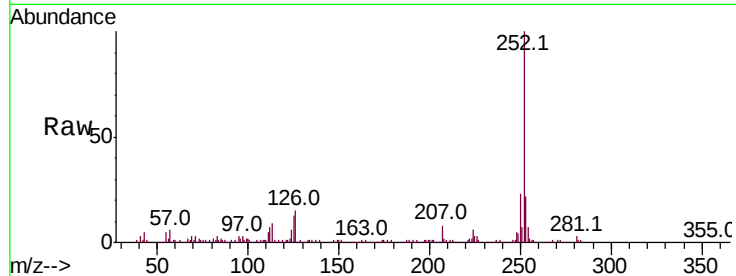




#88
Benzo(b)fluoranthene
Concen: 4.726 ng m
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120317.D
Acq: 15 May 2020 13:12

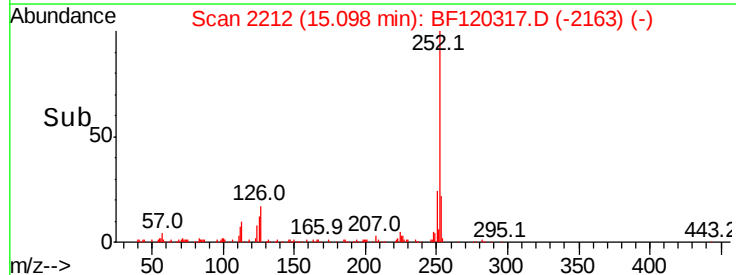
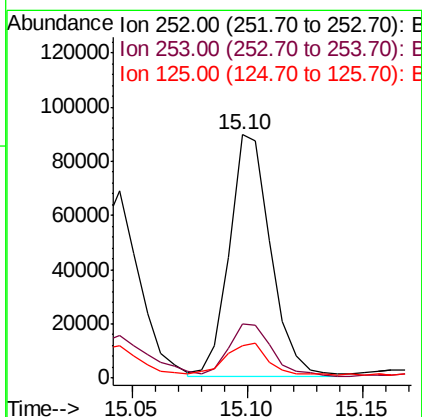
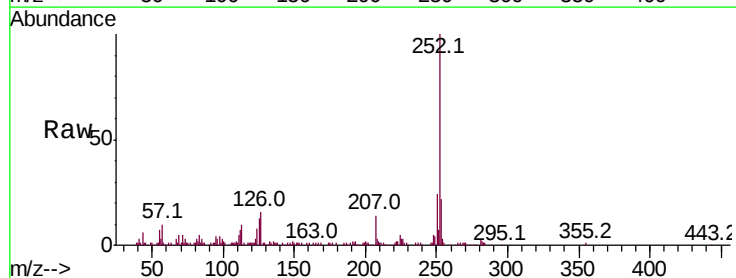
Instrument :
BNA_F
ClientSampleId :
239996

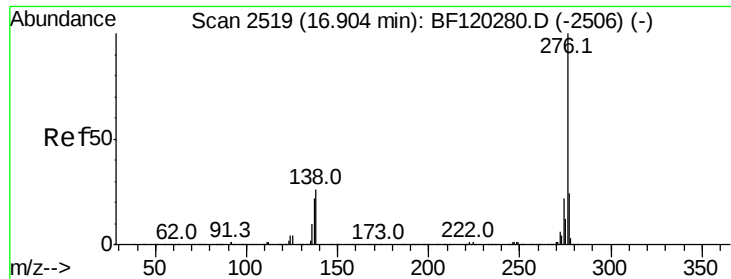
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	13.5	10.4	15.6



#90
Benzo(a)pyrene
Concen: 3.346 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF120317.D
Acq: 15 May 2020 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	13.1	10.6	16.0





#92
 Benzo(a,h,i)perylene
 Concen: 2.817 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. -0.02 min
 Lab File: BF120317.D
 Acq: 15 May 2020 13:12

Instrument :
 BNA_F
 ClientSampleId :
 239996

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	25.0	20.8	31.2

