

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120332.D
 Acq On : 15 May 2020 20:11
 Operator : MA/SJ
 Sample : L2663-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1328

Quant Time: May 16 04:47:11 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

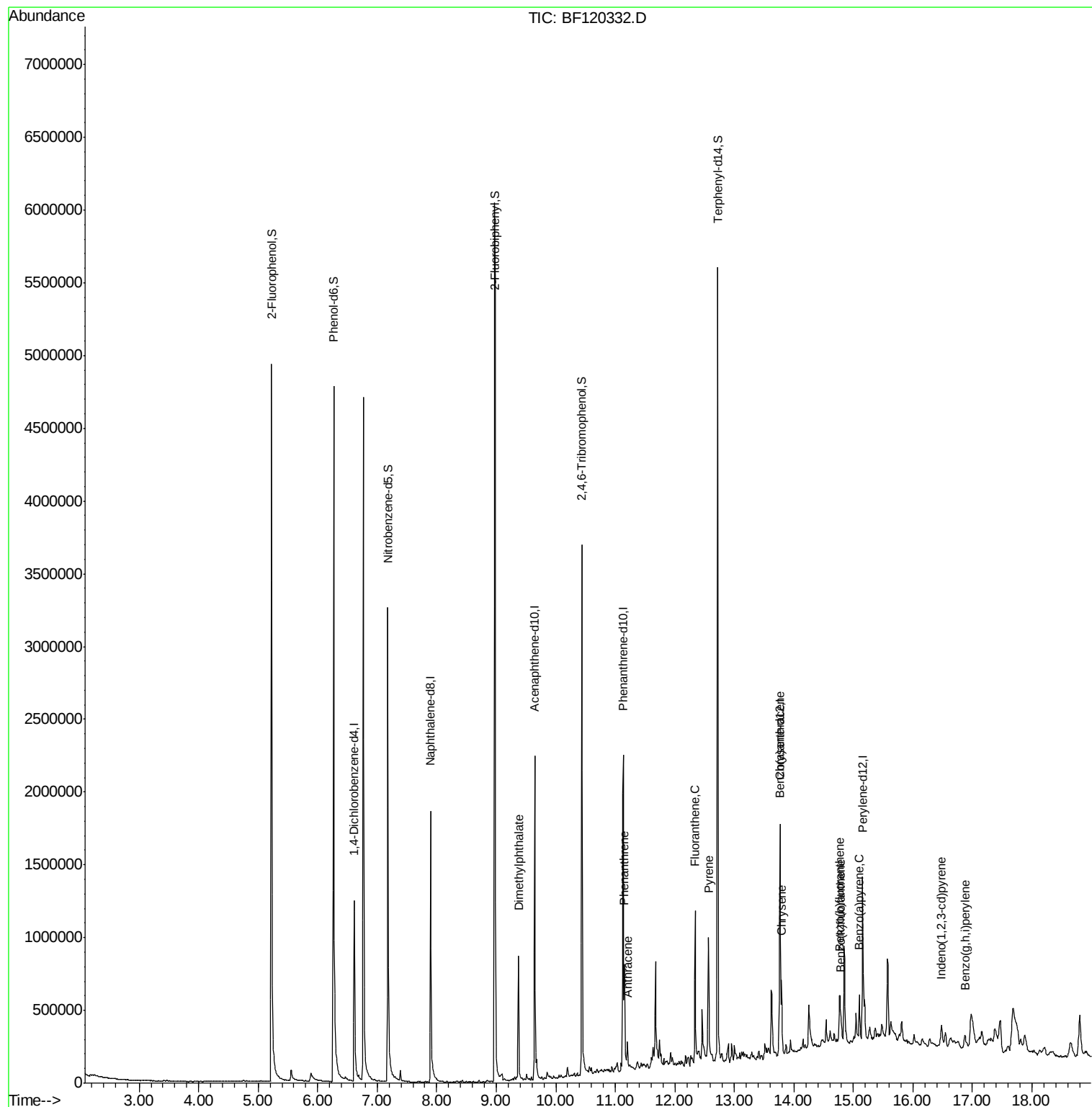
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	275243	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1068712	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	505137	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	909103	20.00	ng	0.00
76) Chrysene-d12	13.77	240	539461	20.00	ng	0.00
87) Perylene-d12	15.16	264	511112	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1651395	116.74	ng	0.00
7) Phenol-d6	6.27	99	2104756	117.66	ng	0.00
23) Nitrobenzene-d5	7.18	82	1351211	86.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	488255	118.55	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2261553	91.98	ng	0.00
79) Terphenyl-d14	12.72	244	2141325	87.69	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.37	163	387796	12.144	ng	98
71) Phenanthrene	11.15	178	313841	8.216	ng	99
72) Anthracene	11.20	178	88657	2.168	ng	99
75) Fluoranthene	12.34	202	466801	11.401	ng	97
78) Pyrene	12.57	202	396318	10.305	ng	97
81) Benzo(a)anthracene	13.76	228	167059	5.871	ng	98
83) Chrysene	13.79	228	173315	5.673	ng	96
86) Indeno(1,2,3-cd)pyrene	16.48	276	84914	3.062	ng	95
88) Benzo(b)fluoranthene	14.77	252	168784m	6.047	ng	
89) Benzo(k)fluoranthene	14.79	252	59760m	2.471	ng	
90) Benzo(a)pyrene	15.10	252	131687	5.261	ng	97
92) Benzo(a,h,i)perylene	16.87	276	84459	3.777	ng	95

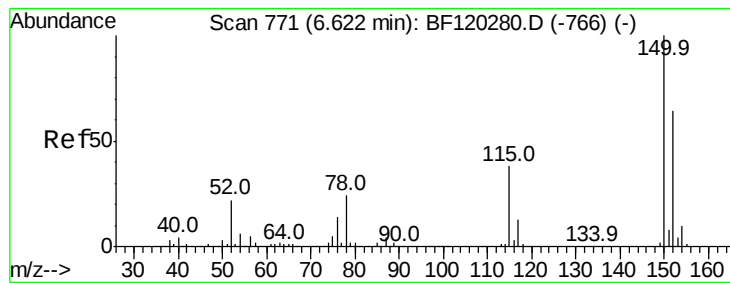
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
Data File : BF120332.D
Acq On : 15 May 2020 20:11
Operator : MA/SJ
Sample : L2663-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1328

Quant Time: May 16 04:47:11 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



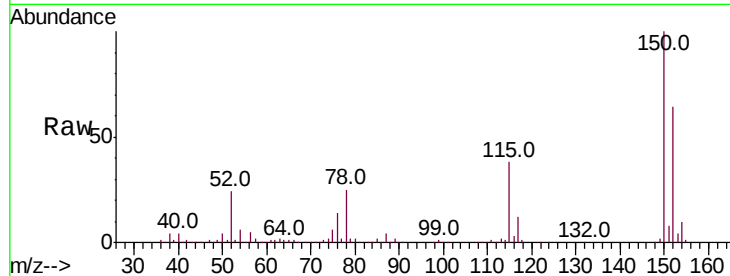


#1

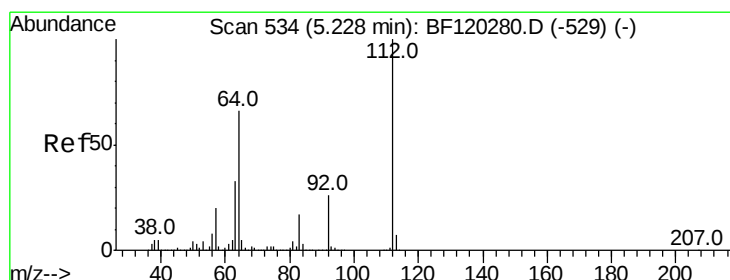
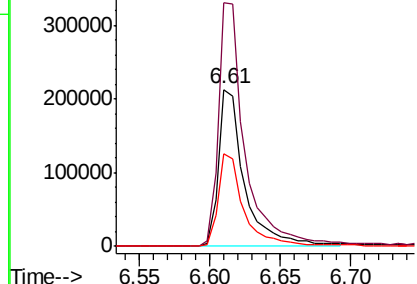
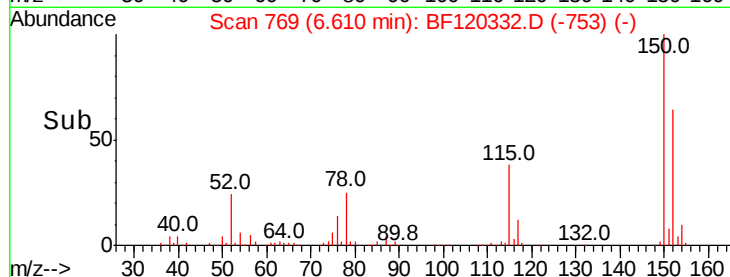
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampled :
1328

Tot Ion:152 Resp: 275243
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 59.1 47.9 71.9



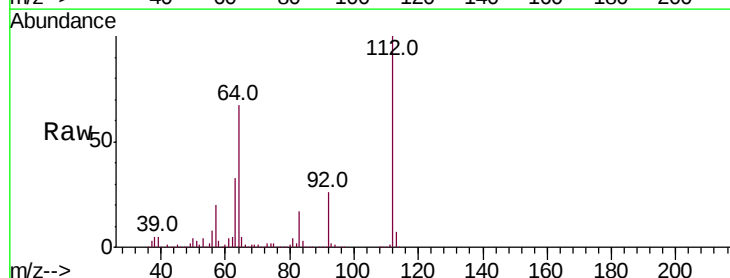
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



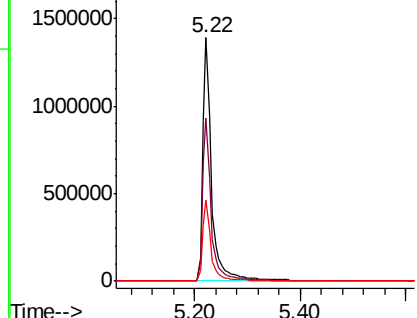
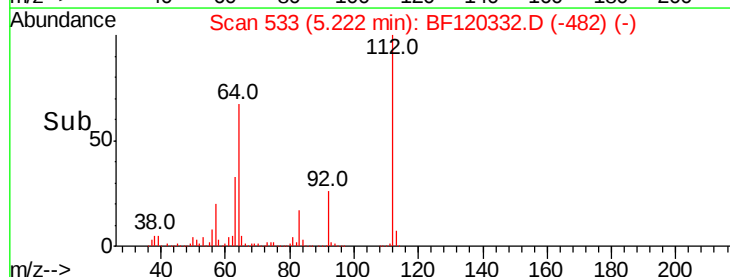
#5

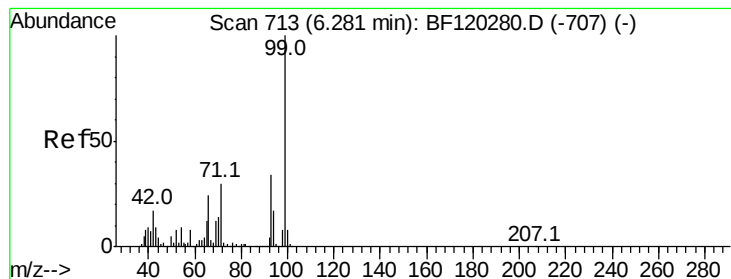
2-Fluorophenol
Concen: 116.738 ng
RT: 5.22 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion:112 Resp: 1651395
Ion Ratio Lower Upper
112 100
64 67.0 52.7 79.1
63 33.1 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: 117.655 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

Instrument :

BNA_F

ClientSampleId :

1328

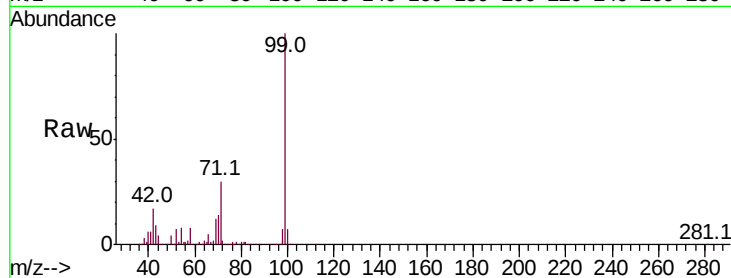
Tot Ion: 99 Resp: 2104756

Ion Ratio Lower Upper

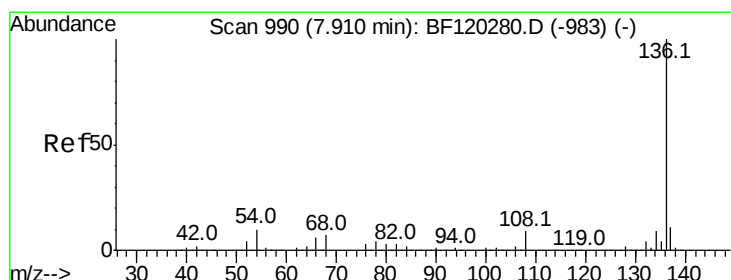
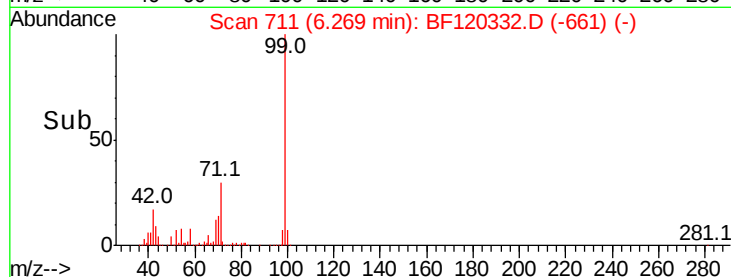
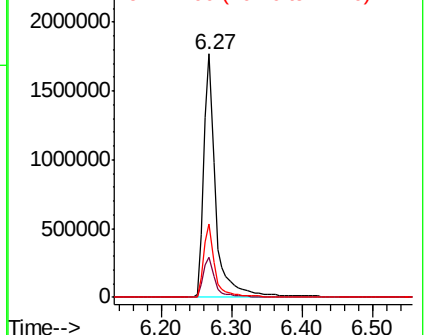
99 100

42 16.7 13.6 20.4

71 30.3 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: BF120332.D

Acq: 15 May 2020 20:11

Tgt Ion: 136 Resp: 1068712

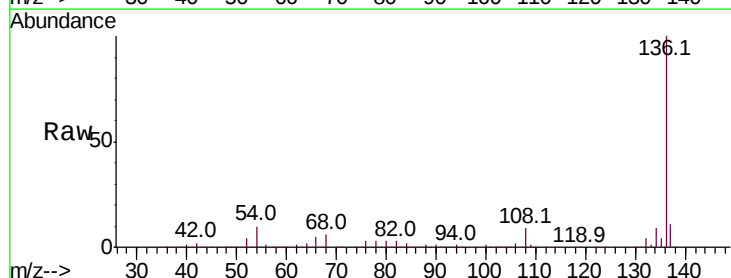
Ion Ratio Lower Upper

136 100

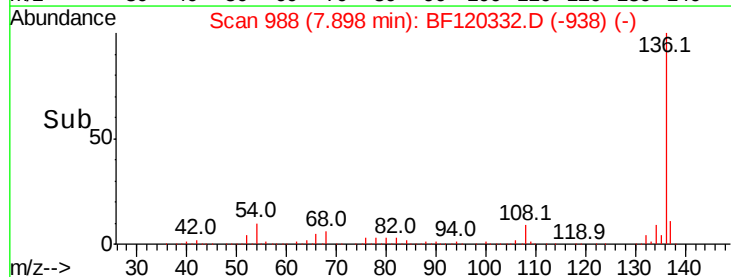
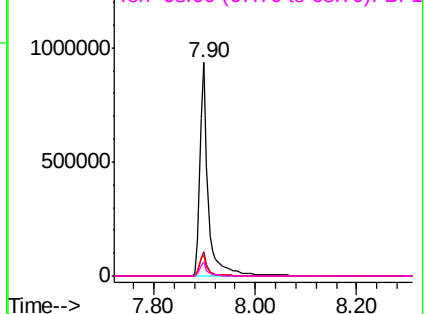
137 11.1 9.1 13.7

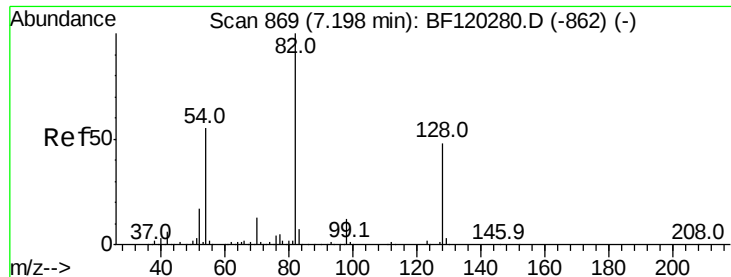
54 9.8 7.9 11.9

68 6.3 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

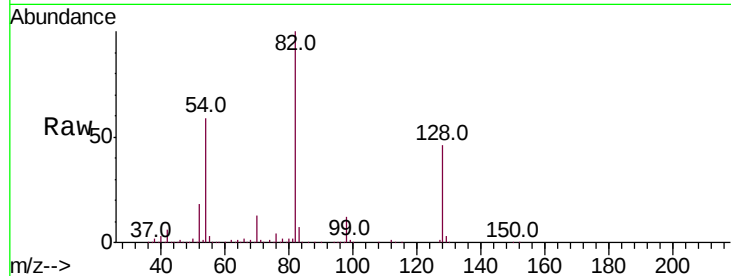




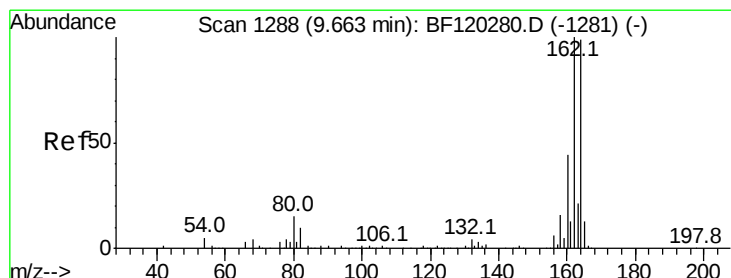
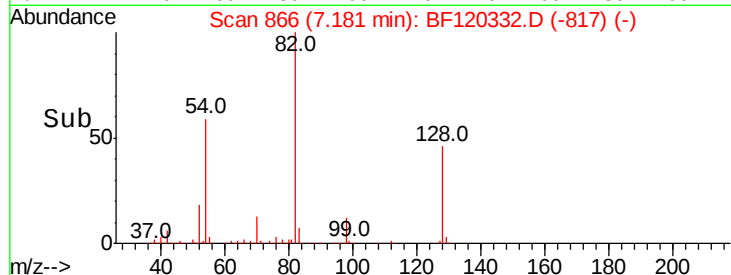
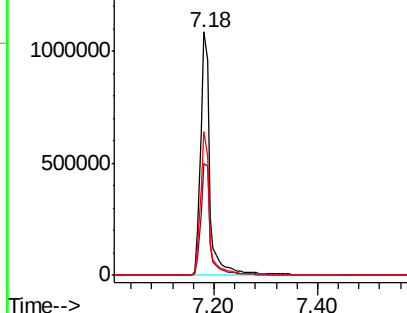
#23
Nitrobenzene-d5
Concen: 86.565 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampleId :
1328

Tot Ion: 82 Resp: 1351211
Ion Ratio Lower Upper
82 100
128 46.1 38.3 57.5
54 59.3 43.9 65.9

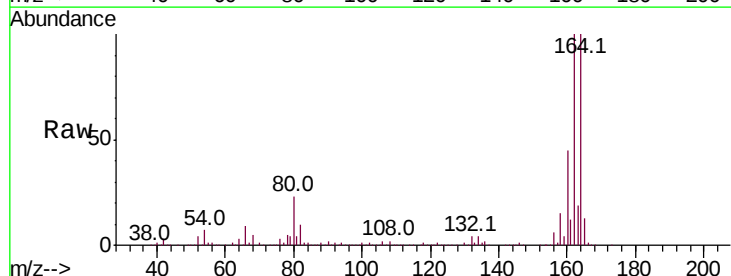


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

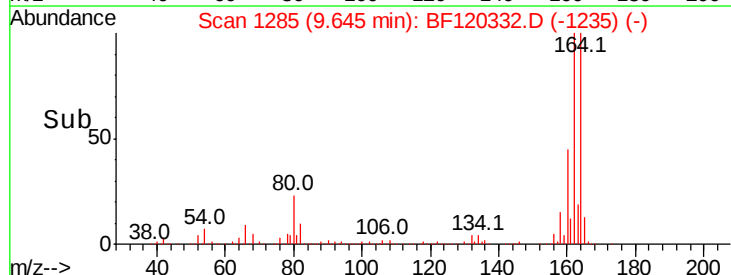
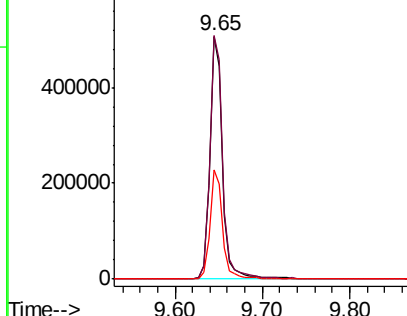


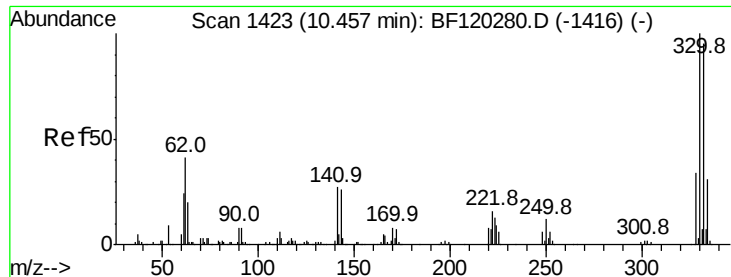
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion:164 Resp: 505137
Ion Ratio Lower Upper
164 100
162 100.4 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

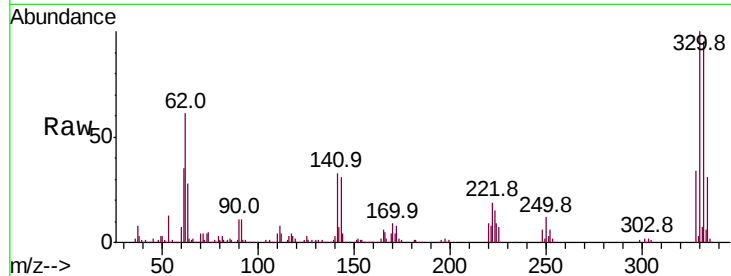




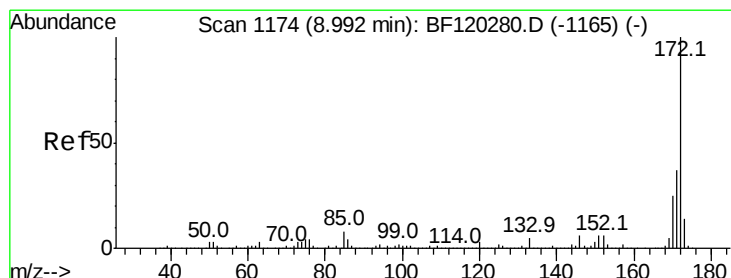
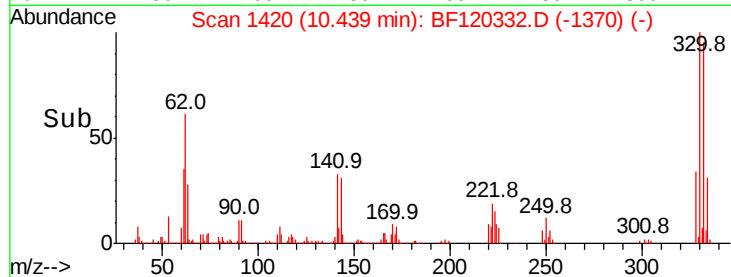
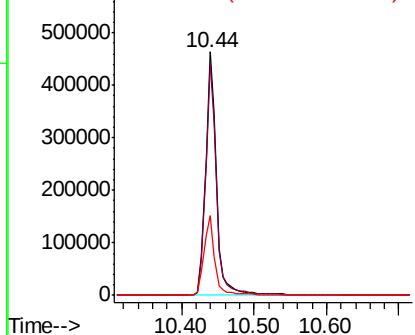
#42
 2,4,6-Tribromophenol
 Concen: 118.548 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF120332.D
 Acq: 15 May 2020 20:11

Instrument :
 BNA_F
 ClientSampleId :
 1328

Tot Ion:330 Resp: 488255
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.5 114.7
 141 32.7 25.4 38.0

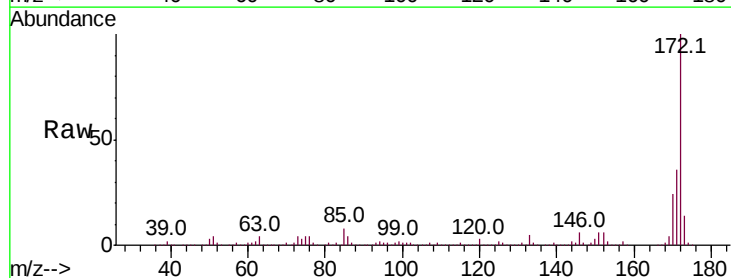


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

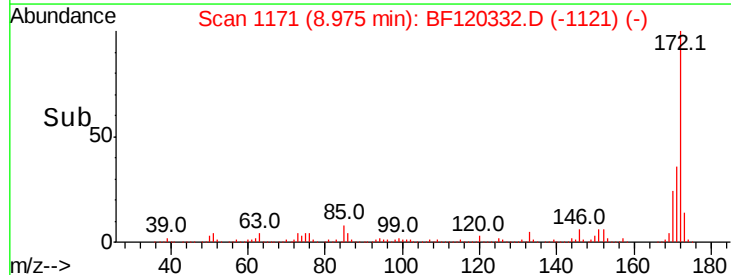
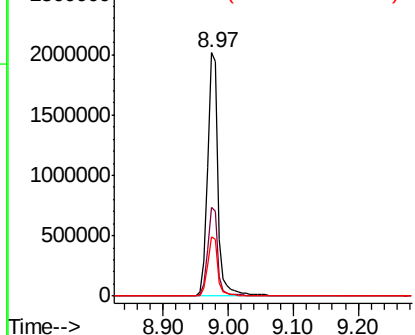


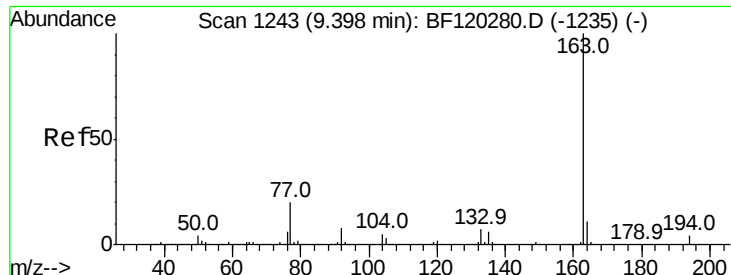
#45
 2-Fluorobiphenyl
 Concen: 91.981 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF120332.D
 Acq: 15 May 2020 20:11

Tgt Ion:172 Resp: 2261553
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.5 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

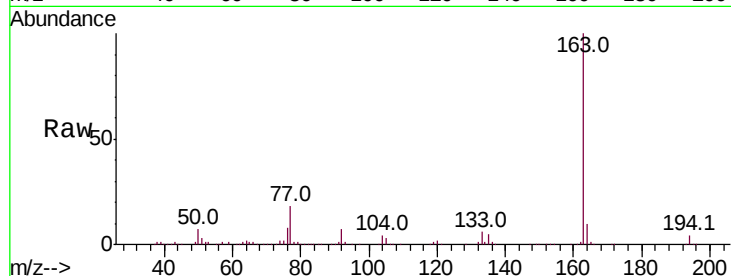




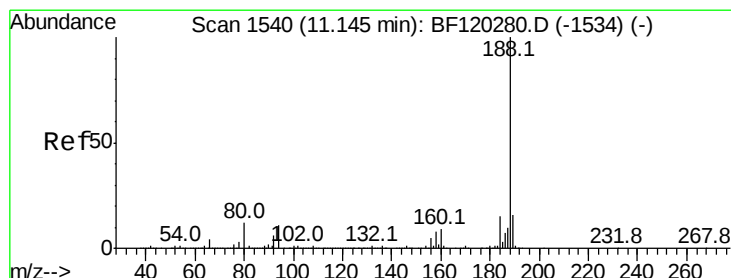
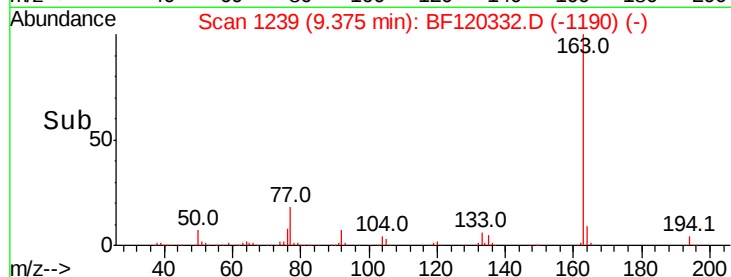
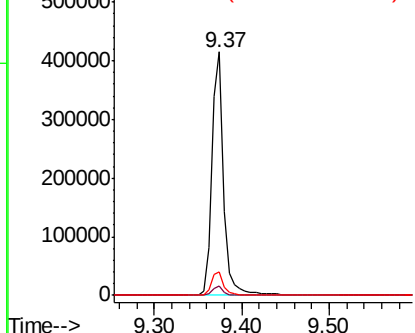
#50
Dimethylphthalate
Concen: 12.144 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampled :
1328

Tot Ion:163 Resp: 387796
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 9.5 8.6 12.8

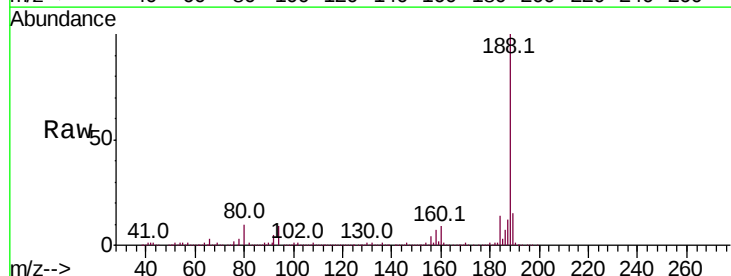


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

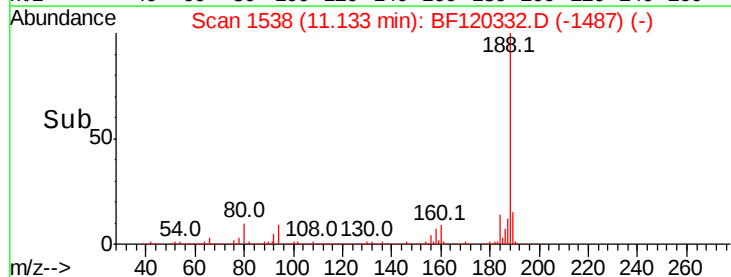
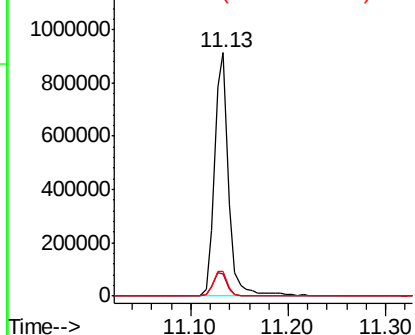


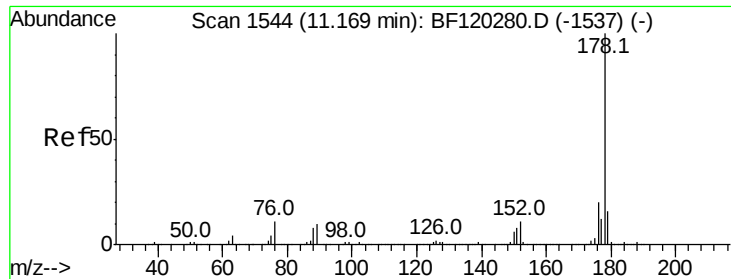
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion:188 Resp: 909103
Ion Ratio Lower Upper
188 100
94 9.0 8.6 13.0
80 10.0 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: 8.216 ng

RT: 11.15 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

Instrument :

BNA_F

ClientSampleId :
1328

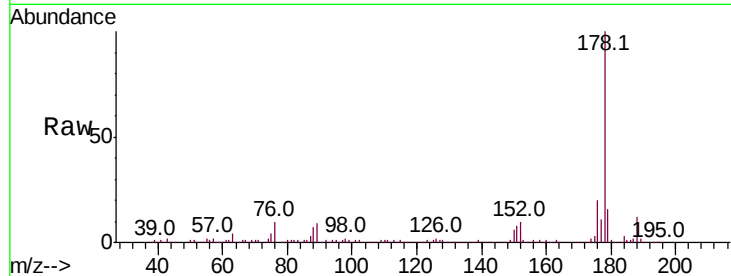
Tot Ion:178 Resp: 313841

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

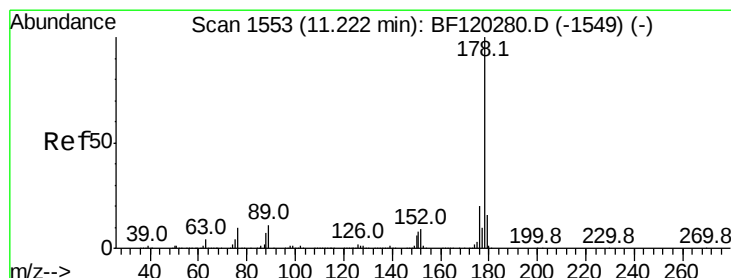
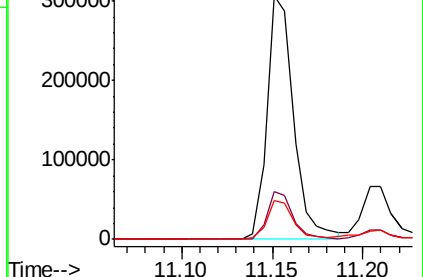
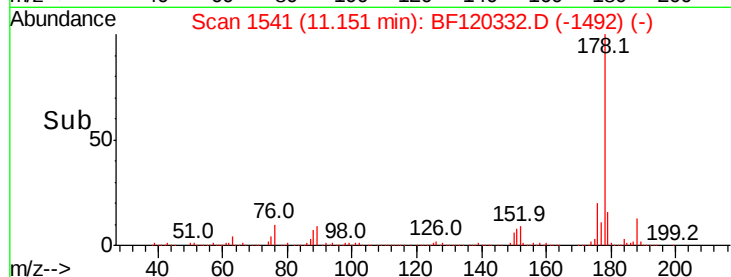
179 15.7 12.8 19.2



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: 2.168 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

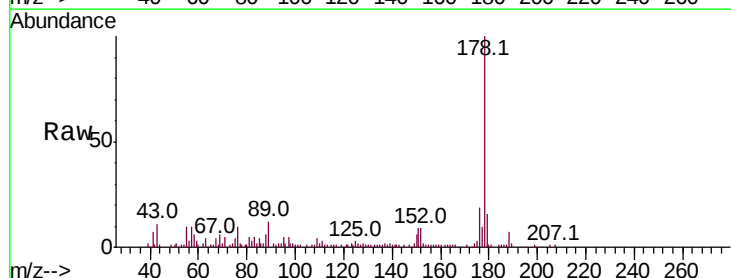
Tgt Ion:178 Resp: 88657

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

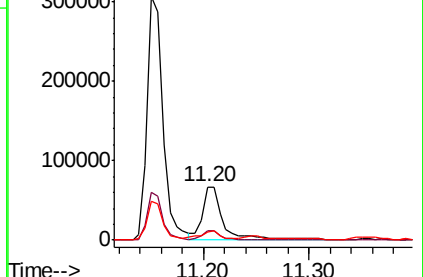
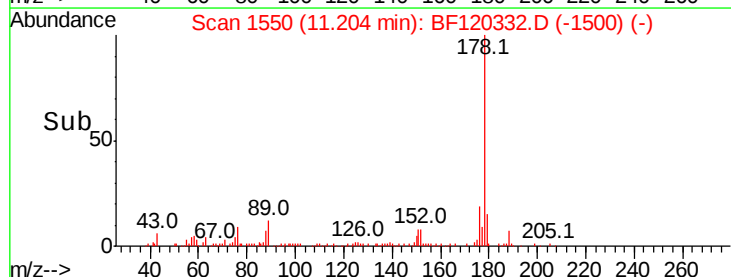
179 15.8 13.0 19.6

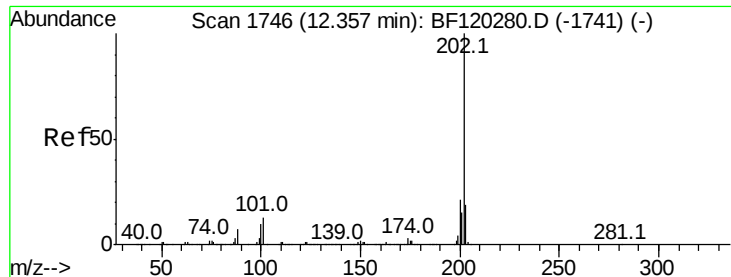


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.401 ng

RT: 12.34 min Scan# 1743

Delta R.T. -0.01 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

Instrument :

BNA_F

ClientSampleId :

1328

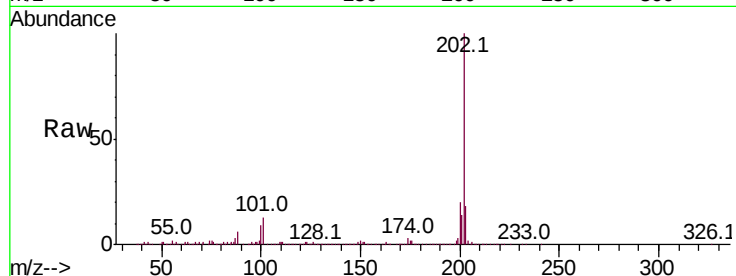
Tot Ion:202 Resp: 466801

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

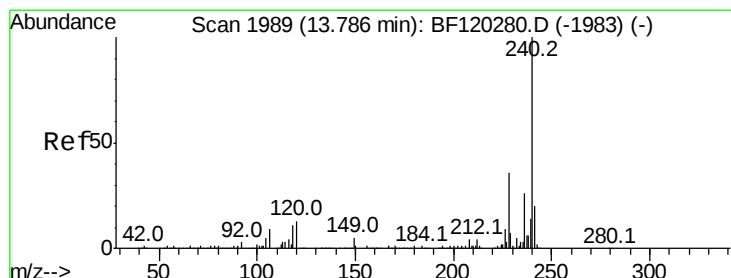
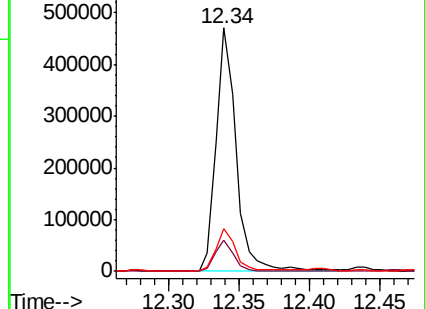
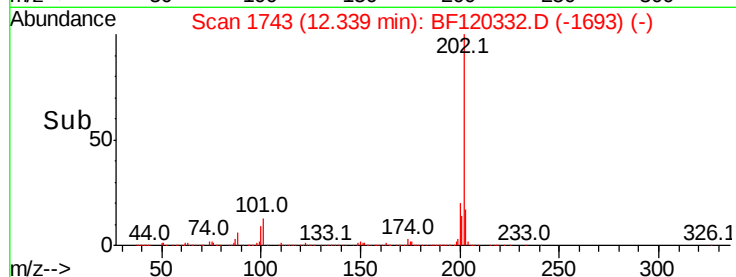
203 17.6 0.0 39.1



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: BF120332.D

Acq: 15 May 2020 20:11

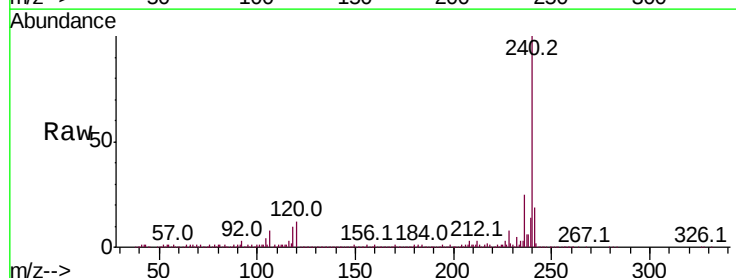
Tgt Ion:240 Resp: 539461

Ion Ratio Lower Upper

240 100

120 11.9 10.4 15.6

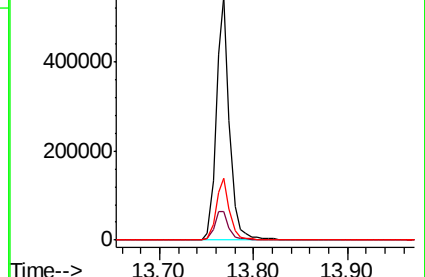
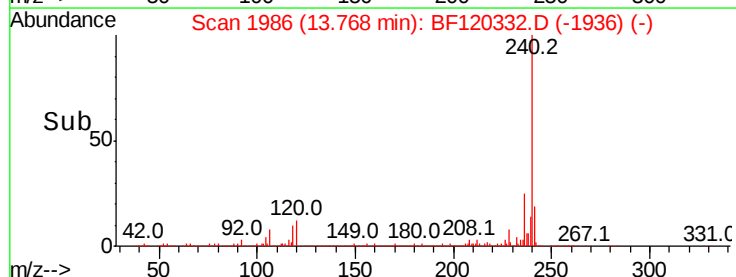
236 25.4 21.0 31.6

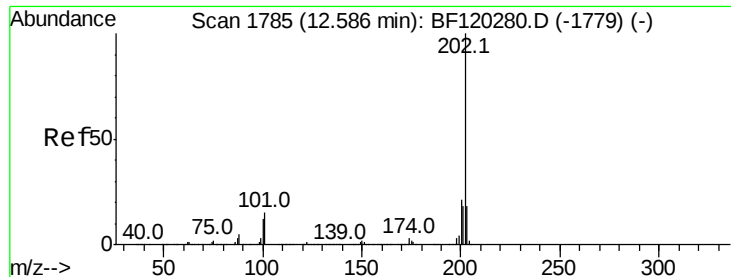


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

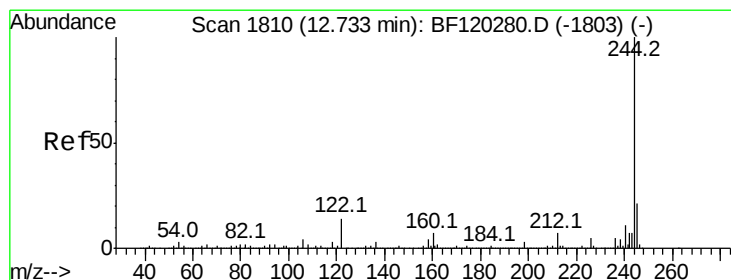
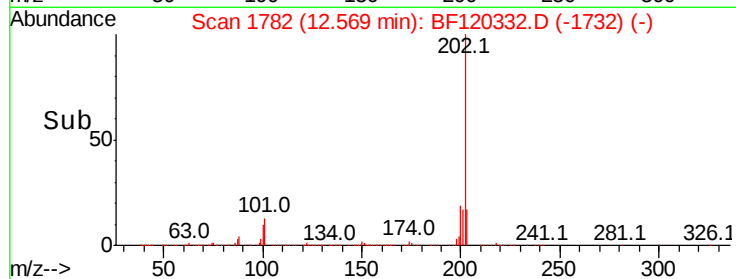
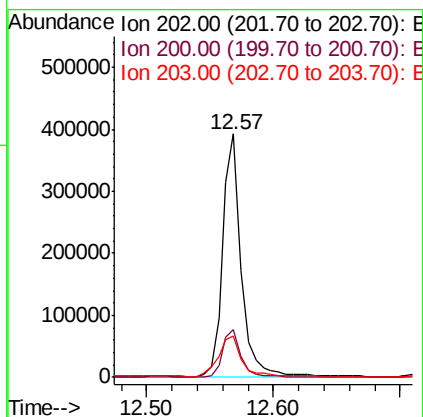
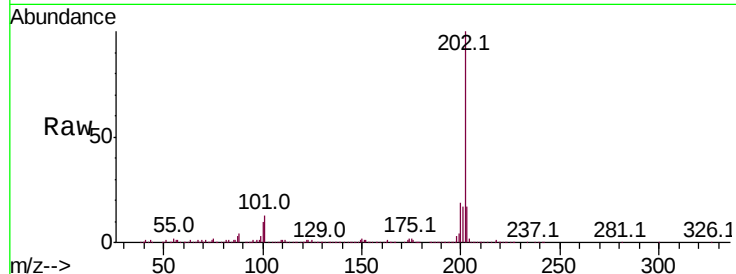




#78
Pvrene
Concen: 10.305 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

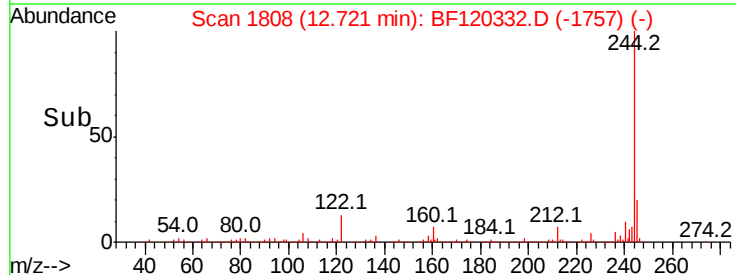
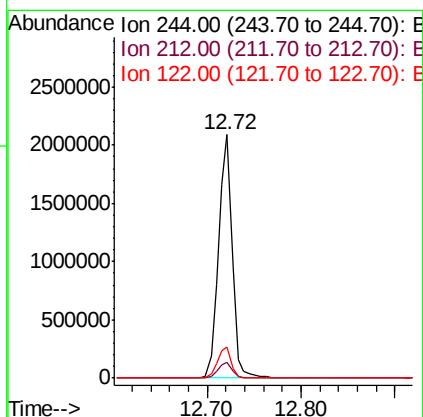
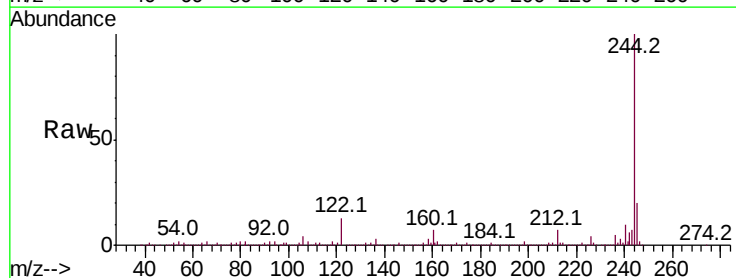
Instrument :
BNA_F
ClientSampleId :
1328

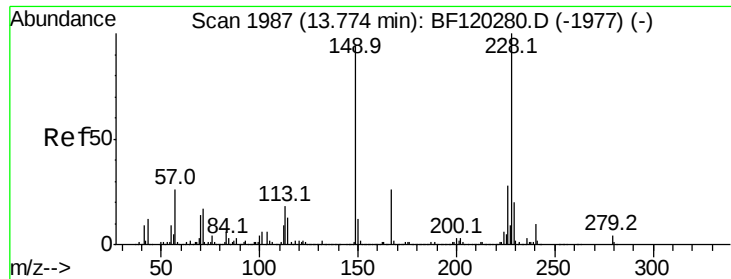
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.6	25.0
203	17.1	14.6	22.0



#79
Terphenyl-d14
Concen: 87.692 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.5	10.8	16.2





#81

Benzo(a)anthracene

Concen: 5.871 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

Instrument :

BNA_F

ClientSampleId :

1328

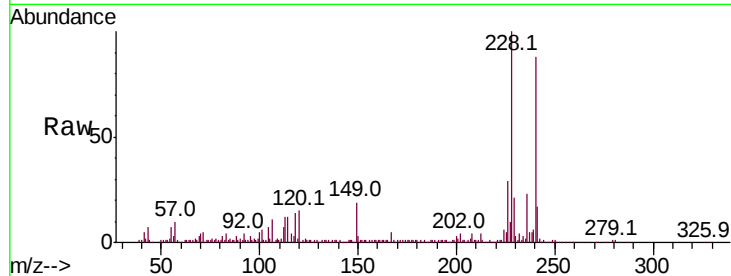
Tot Ion:228 Resp: 167059

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

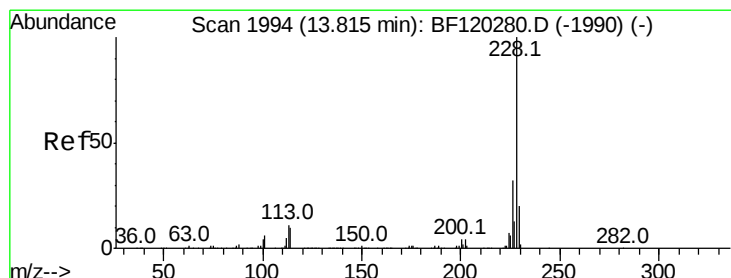
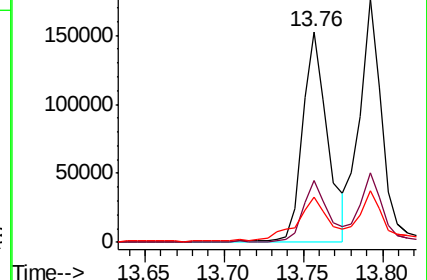
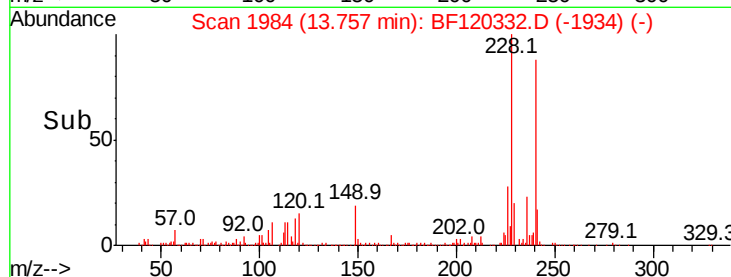
229 21.3 16.4 24.6



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: 5.673 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

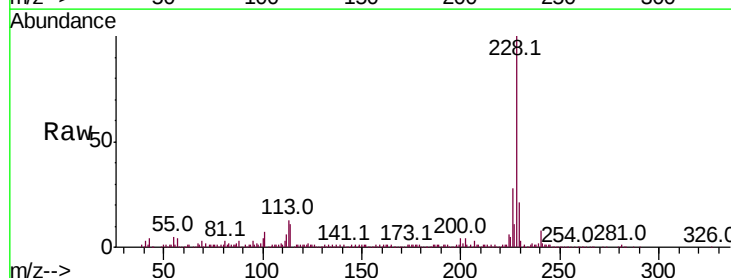
Tgt Ion:228 Resp: 173315

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

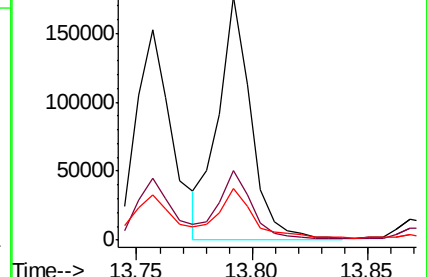
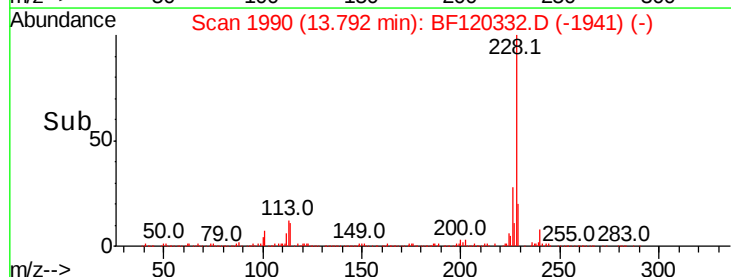
229 21.4 16.2 24.4

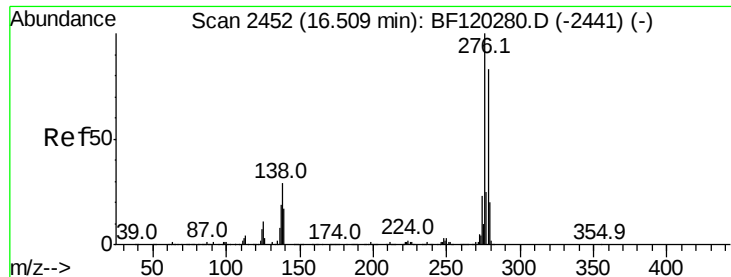


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

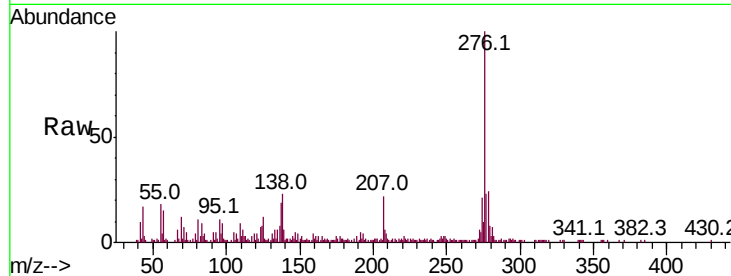




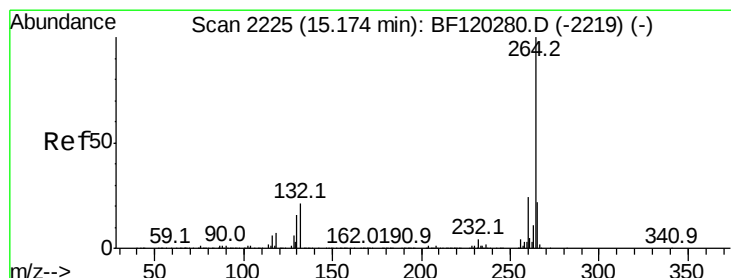
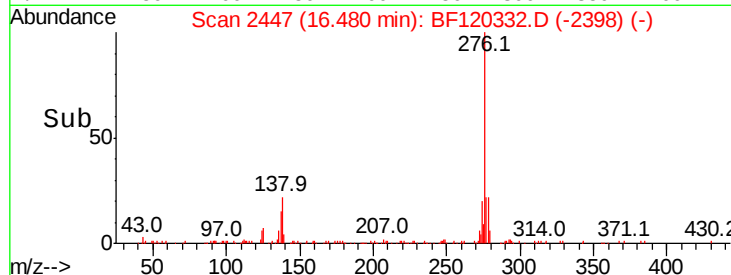
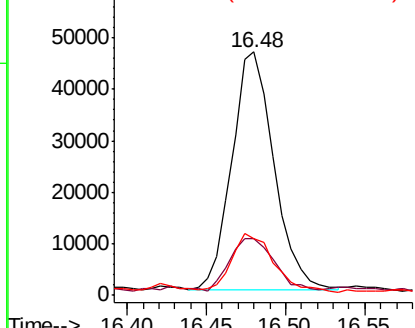
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.062 ng
 RT: 16.48 min Scan# 2447
 Delta R.T. -0.01 min
 Lab File: BF120332.D
 Acq: 15 May 2020 20:11

Instrument :
 BNA_F
 ClientSampleId :
 1328

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	23.3	34.9
277	25.2	20.2	30.4

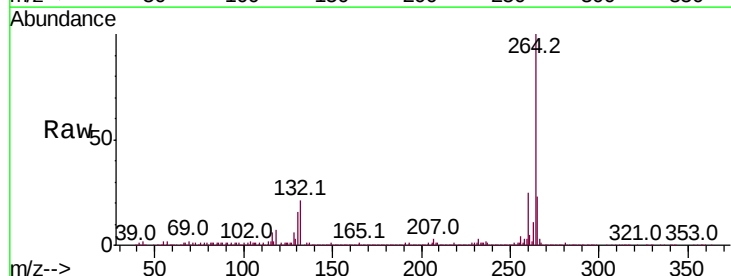


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

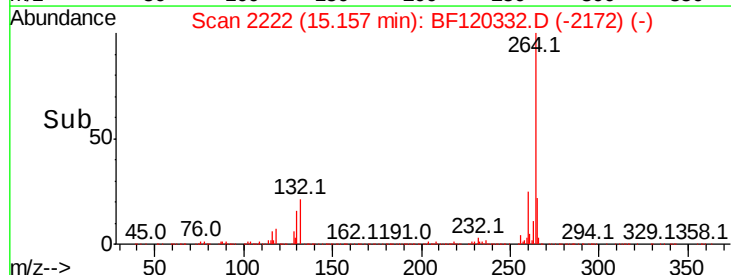
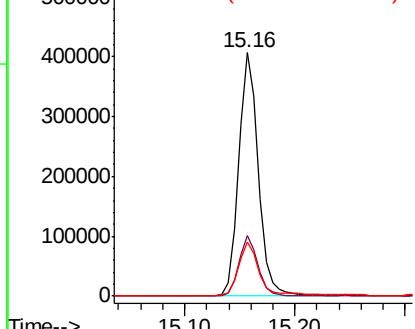


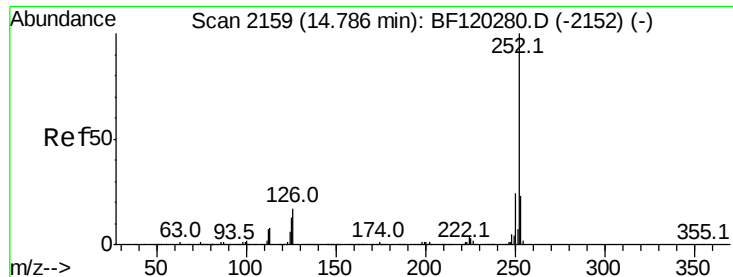
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.16 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BF120332.D
 Acq: 15 May 2020 20:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	22.5	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

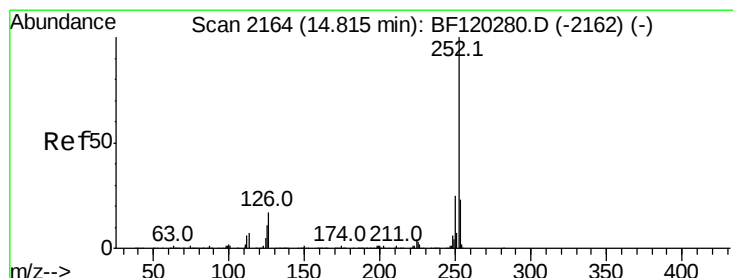
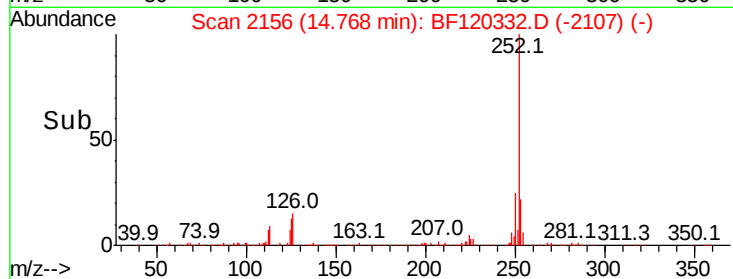
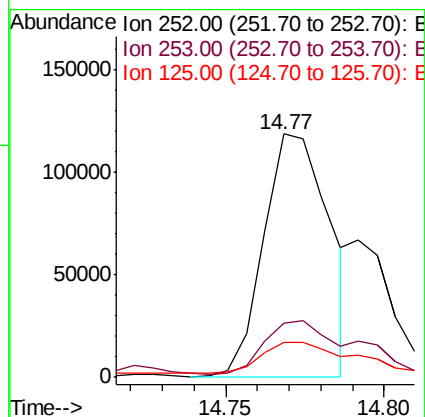
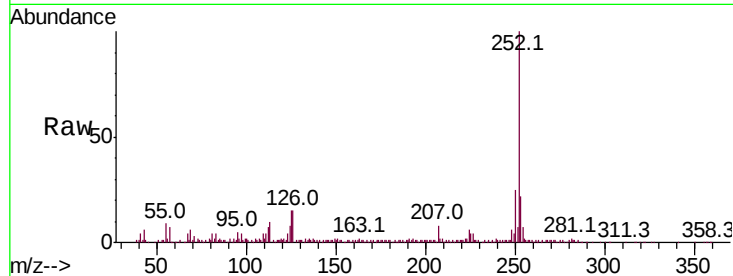




#88
Benzo(b)fluoranthene
Concen: 6.047 ng m
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

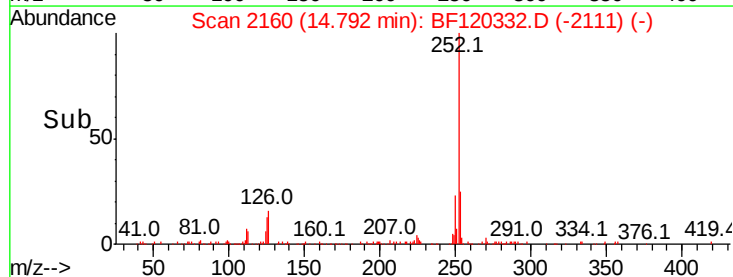
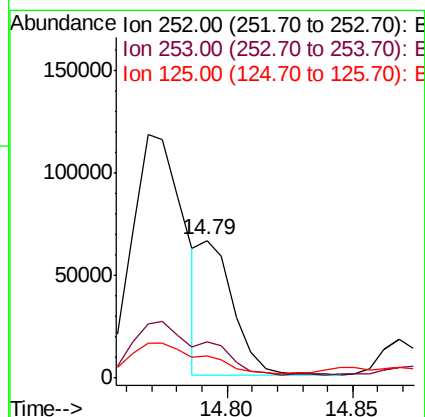
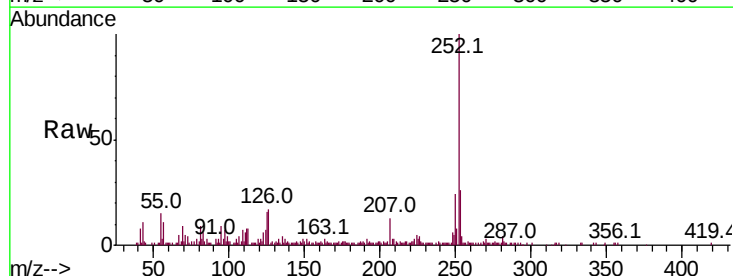
Instrument :
BNA_F
ClientSampleId :
1328

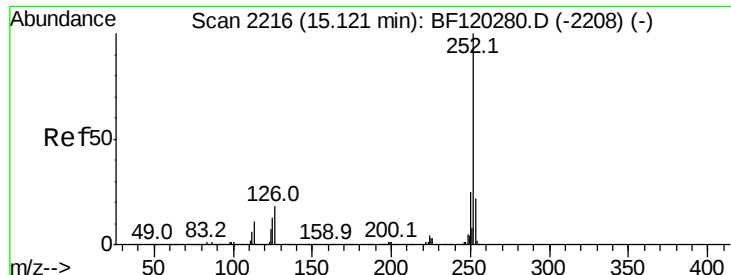
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.6	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 2.471 ng m
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.2	27.2
125	16.2	9.9	14.9#

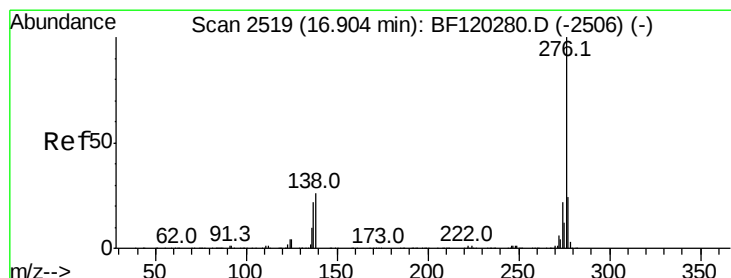
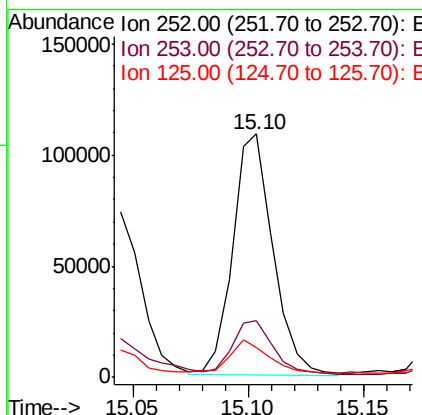
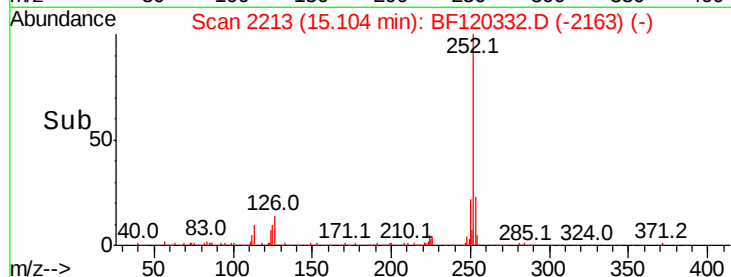
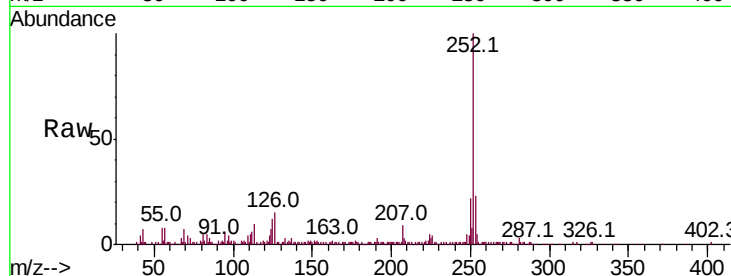




#90
Benzo(a)pyrene
Concen: 5.261 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampled :
1328

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	12.0	10.6	16.0



#92
Benzo(g,h,i)perylene
Concen: 3.777 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.1	28.7
138	27.7	20.8	31.2

