

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 :

Quant Time: May 16 00:15:45 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

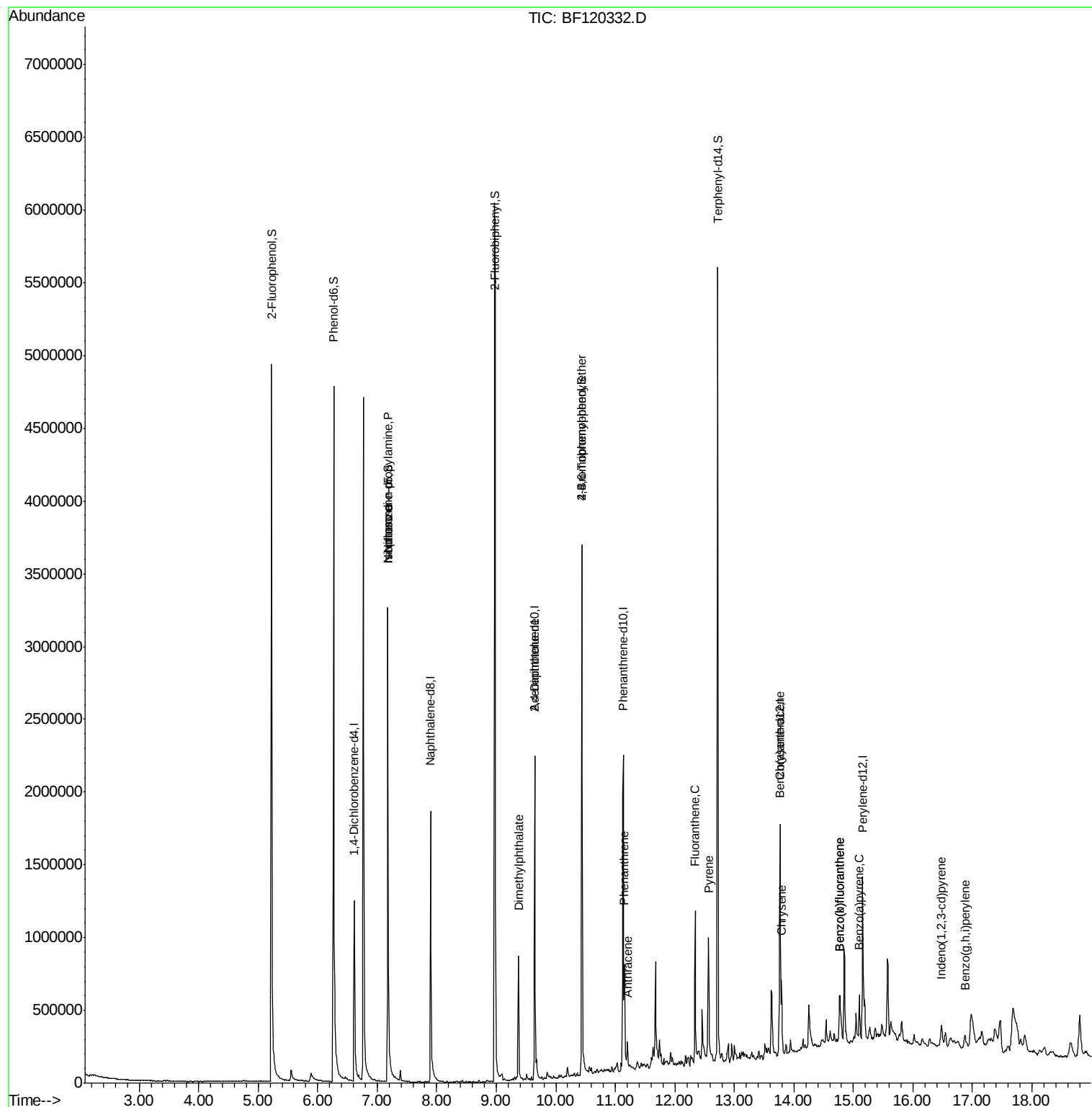
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	169587	14.470	ng	# 79
25) Isophorone	7.18	82	1351205	41.604	ng	# 65
50) Dimethylphthalate	9.37	163	387796	12.144	ng	98
57) 2,4-Dinitrotoluene	9.65	165	66641	7.971	ng	# 16
67) 4-Bromophenyl-phenylether	10.44	248	29163	3.306	ng	# 1
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	231729	8.302	ng	98
89) Benzo(k)fluoranthene	14.77	252	231729	9.582	ng	98
90) Benzo(a)pyrene	15.10	252	131687	5.261	ng	97
92) Benzo(g,h,i)perylene	16.87	276	84459	3.777	ng	95

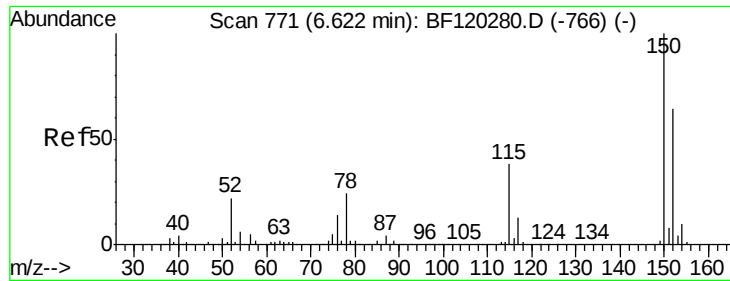
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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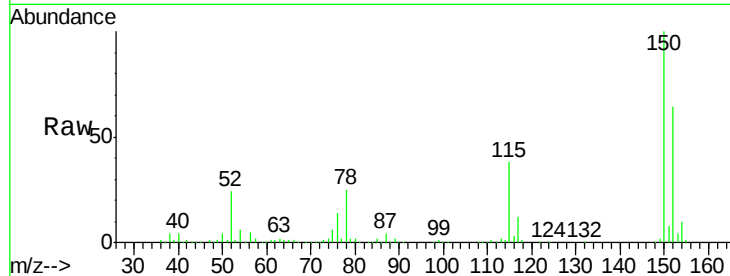


#1

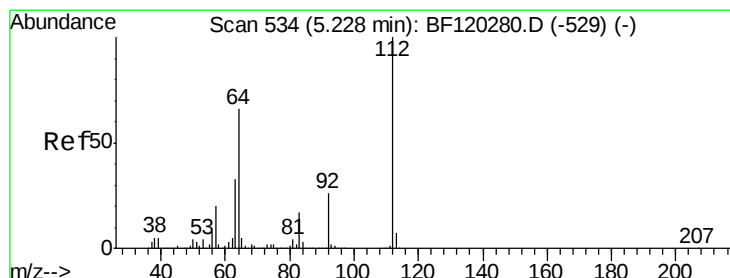
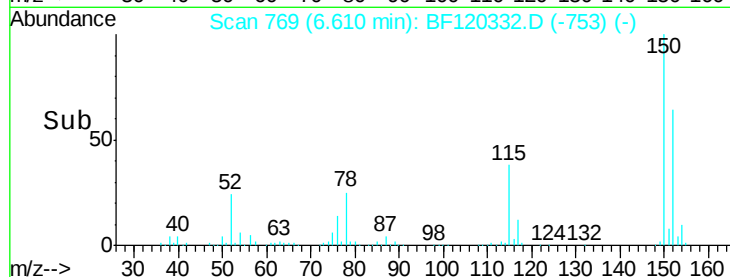
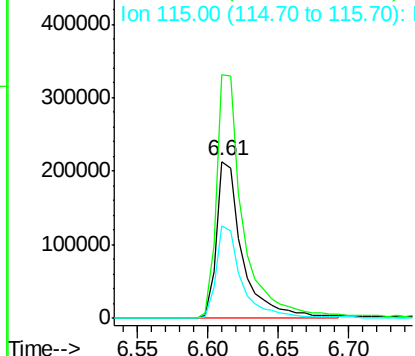
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampleId :

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



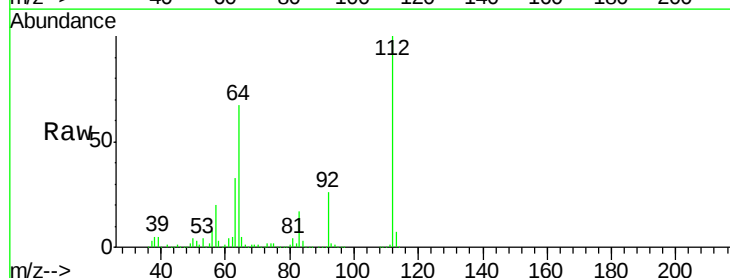
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



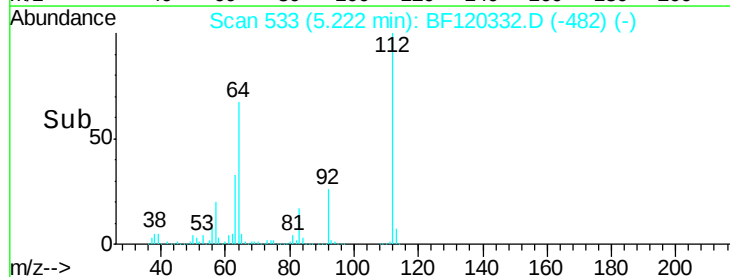
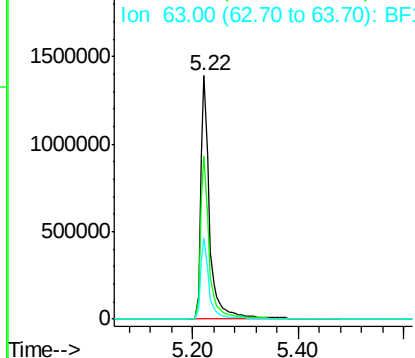
#5

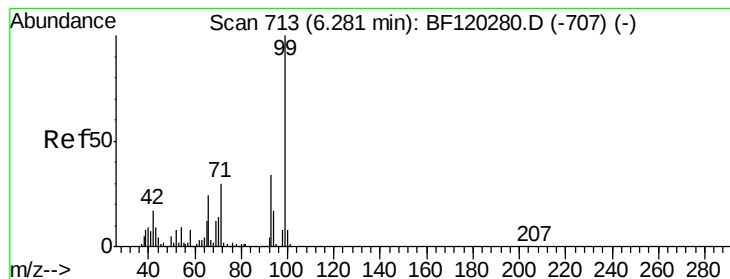
2-Fluorophenol
Concen: 116.738 ng
RT: 5.22 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

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 :

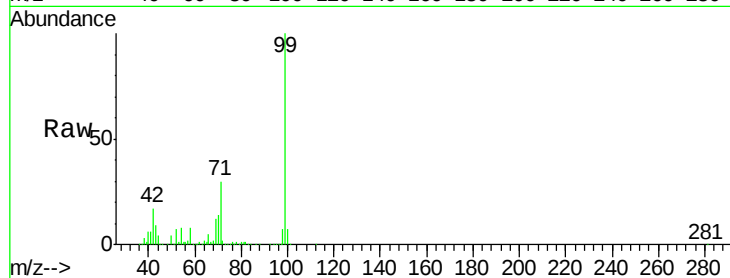
Tot Ion: 99 Resp: 2104756

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

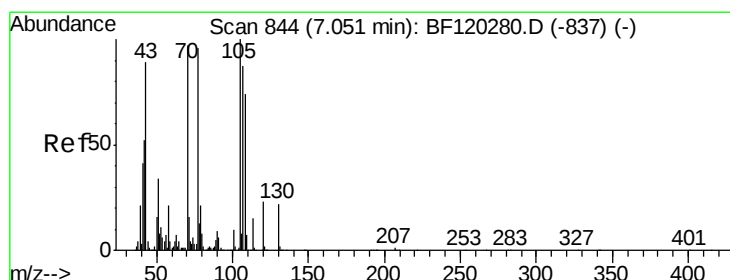
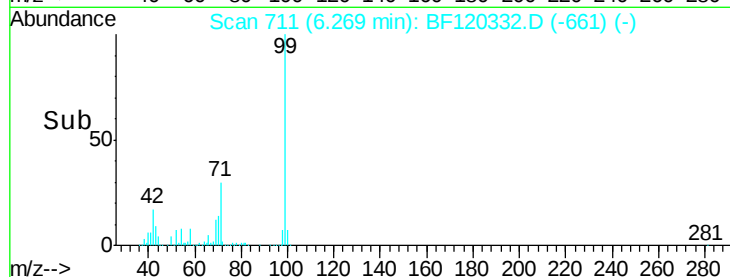
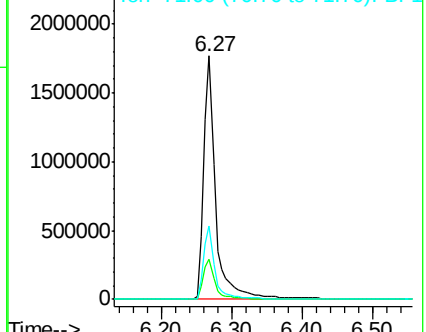
71 30.3 24.2 36.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.470 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.14 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

Tgt Ion: 70 Resp: 169587

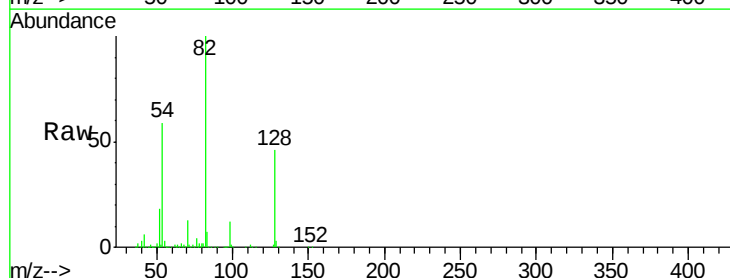
Ion Ratio Lower Upper

70 100

42 46.9 43.4 65.0

101 0.0 7.8 11.8#

130 1.9 18.2 27.4#

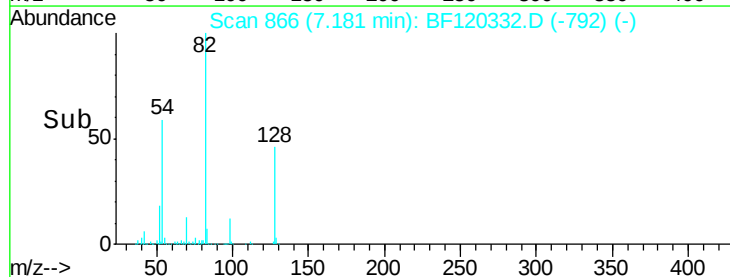
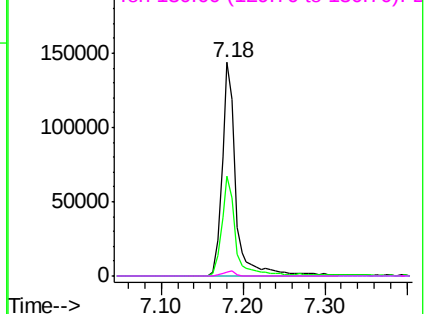


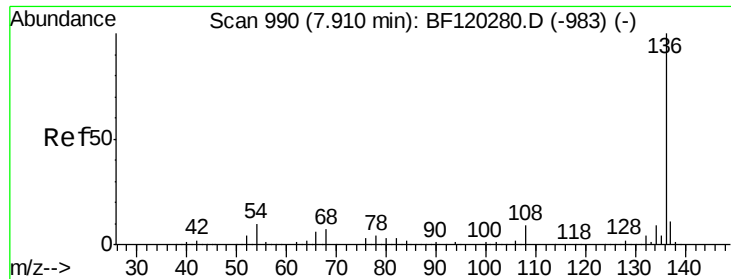
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

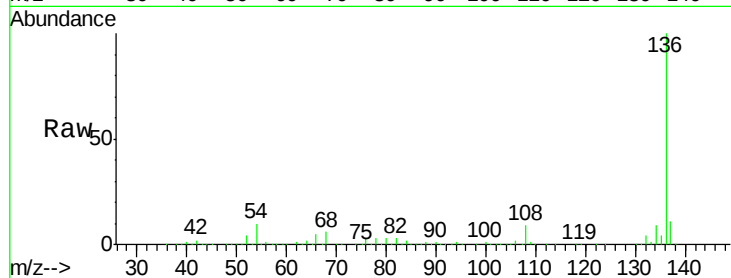




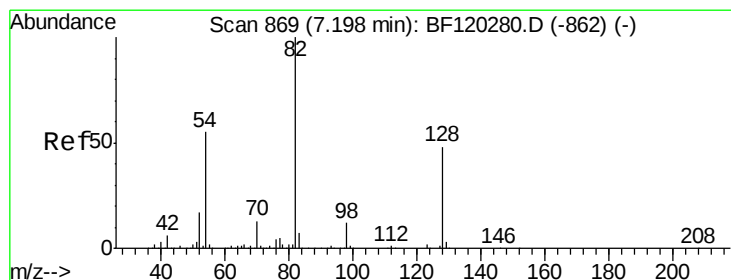
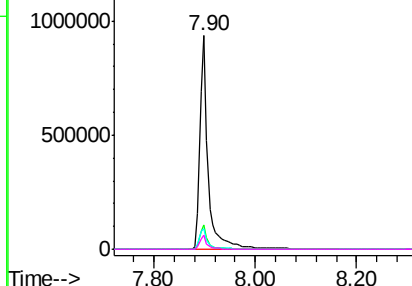
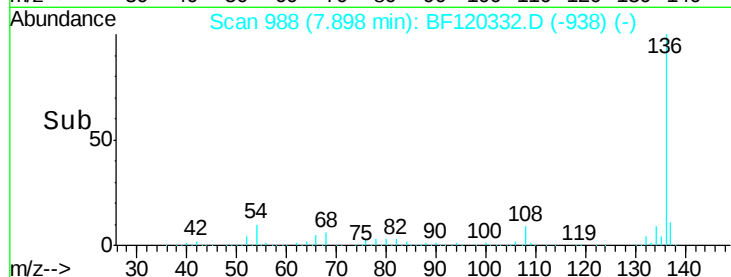
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampleId :

Tot 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

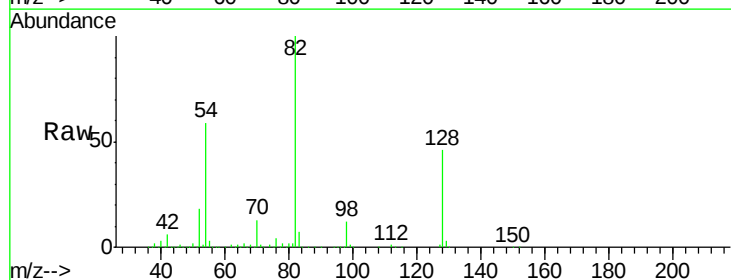


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

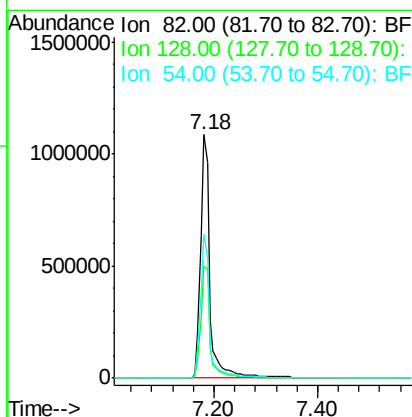
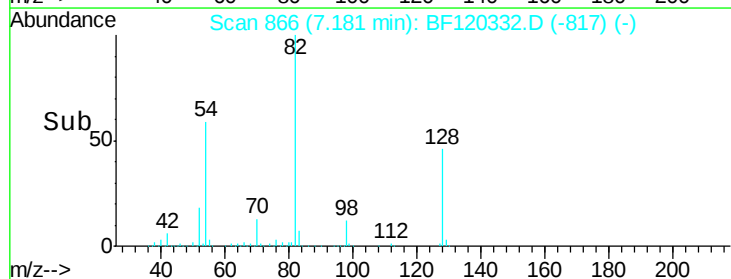


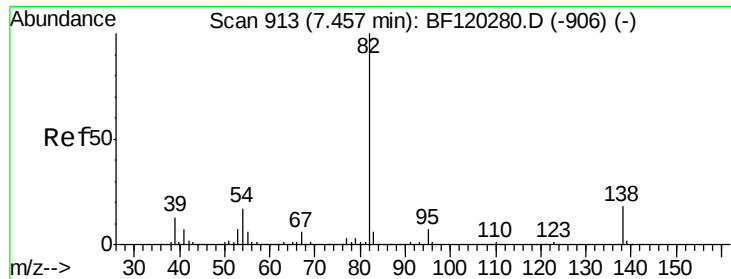
#23
Nitrobenzene-d5
Concen: 86.565 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt 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





#25

Isophorone

Concen: 41.604 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.27 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

Instrument :

BNA_F

ClientSampleId :

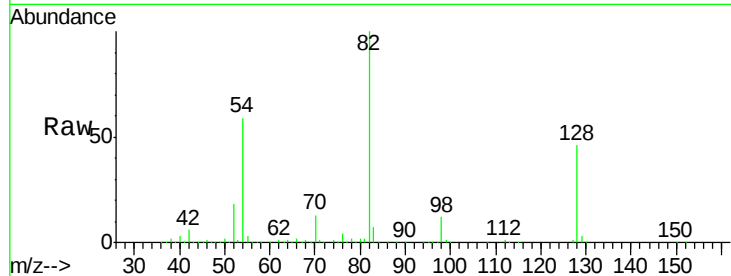
Tot Ion: 82 Resp: 1351205

Ion Ratio Lower Upper

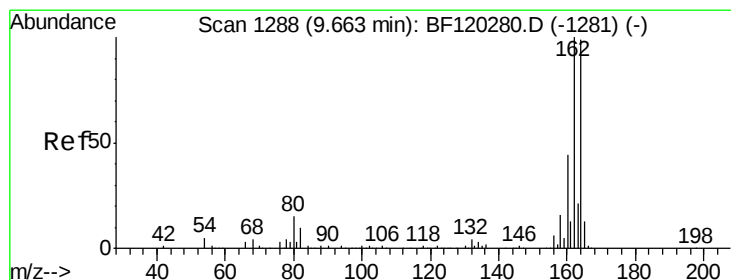
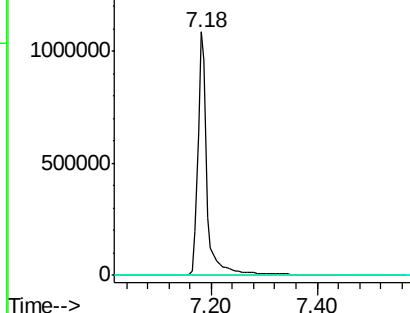
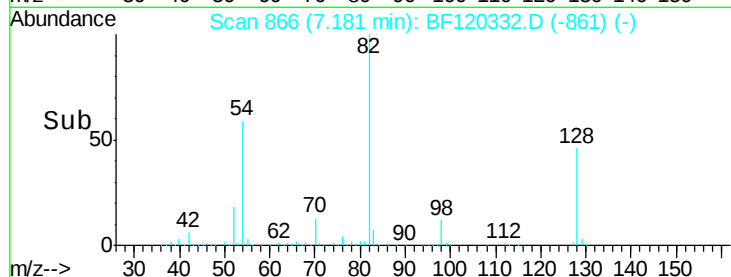
82 100

95 0.0 5.4 8.0#

138 0.0 14.7 22.1#



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: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

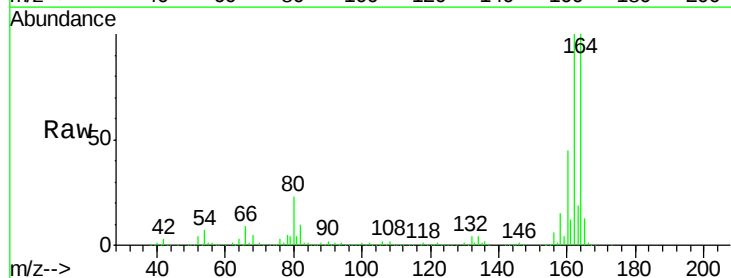
Tgt Ion:164 Resp: 505137

Ion Ratio Lower Upper

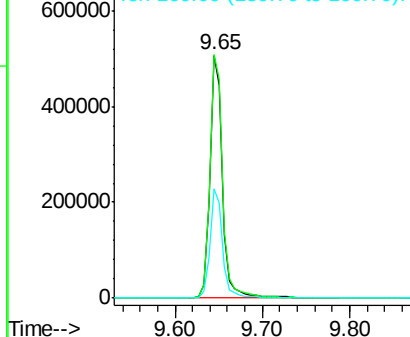
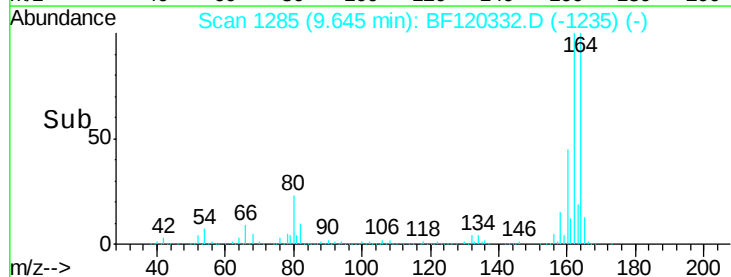
164 100

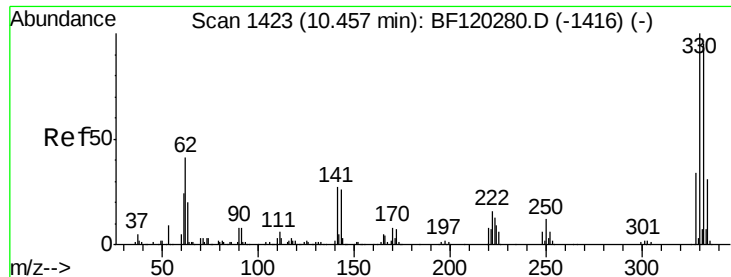
162 100.4 81.2 121.8

160 45.2 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#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 :

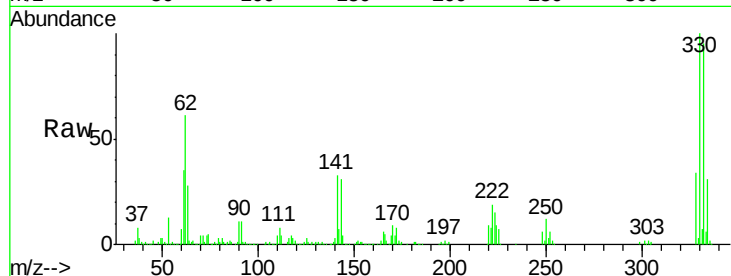
Tot Ion:330 Resp: 488255

Ion Ratio Lower Upper

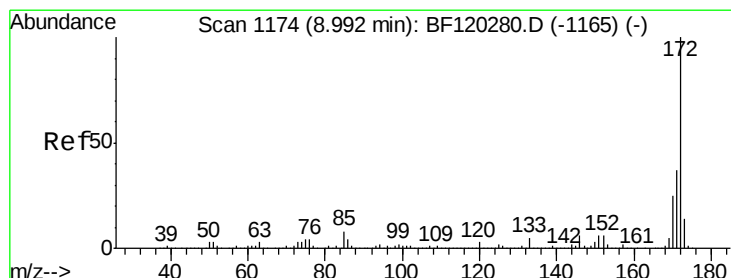
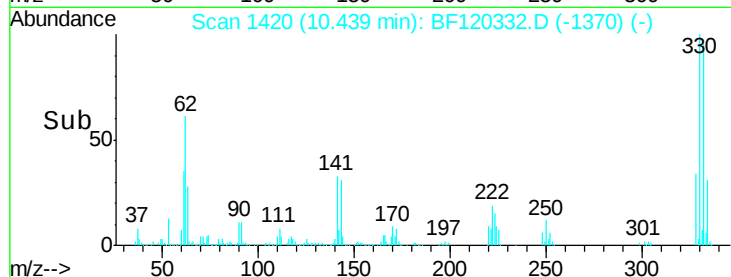
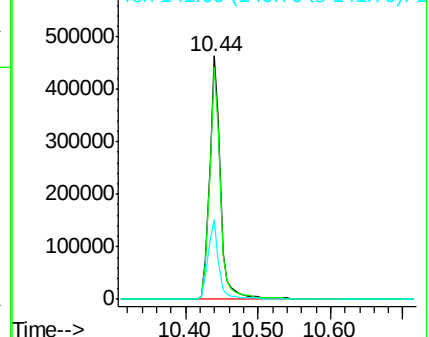
330 100

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

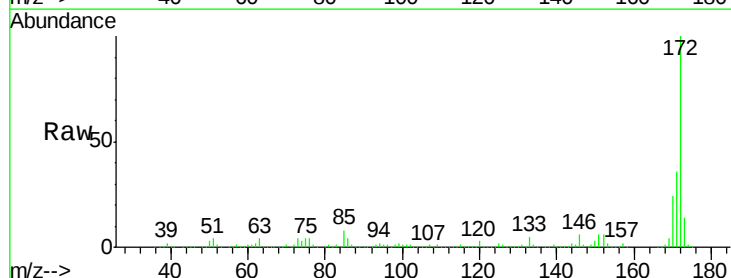
Tgt Ion:172 Resp: 2261553

Ion Ratio Lower Upper

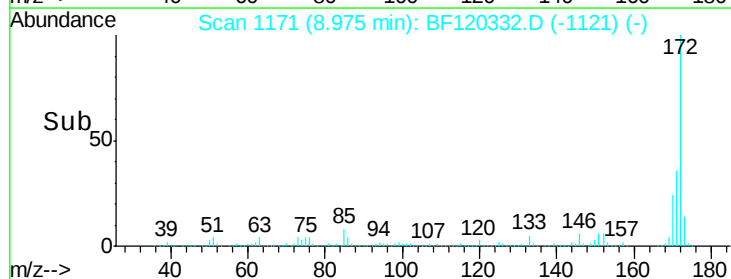
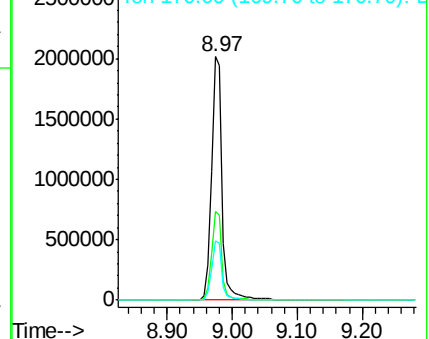
172 100

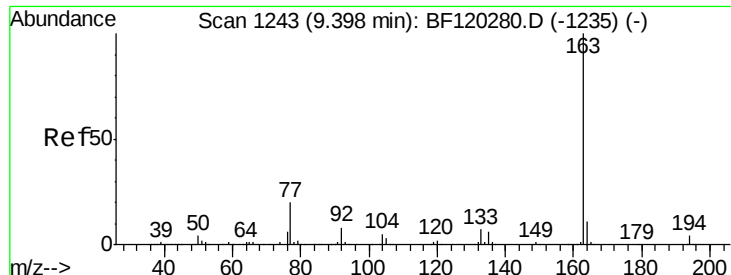
171 36.2 29.7 44.5

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

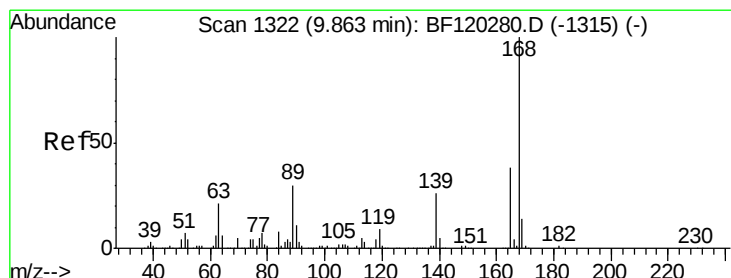
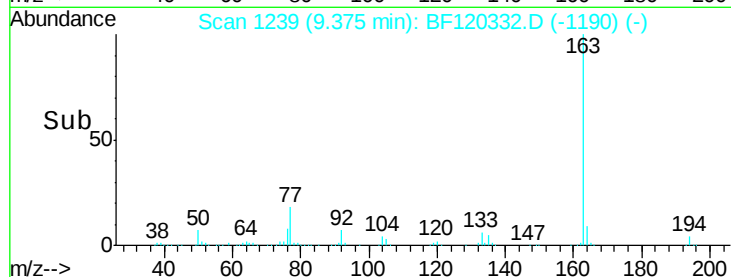
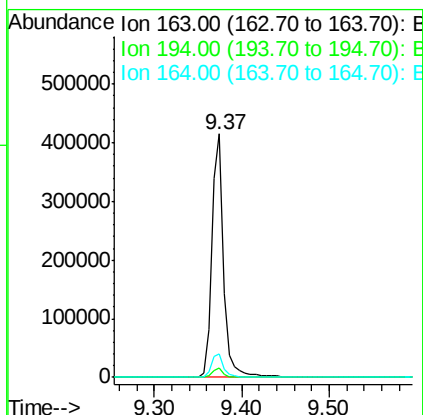
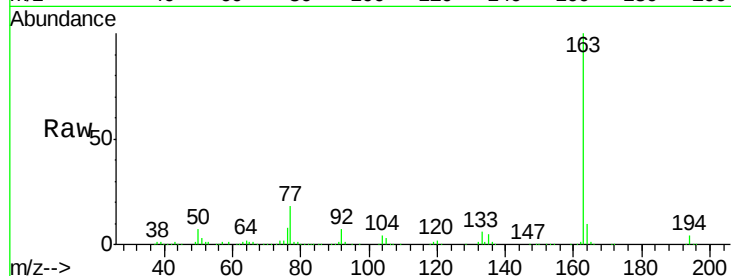




#50
Dimethylphthalate
Concen: 12.144 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

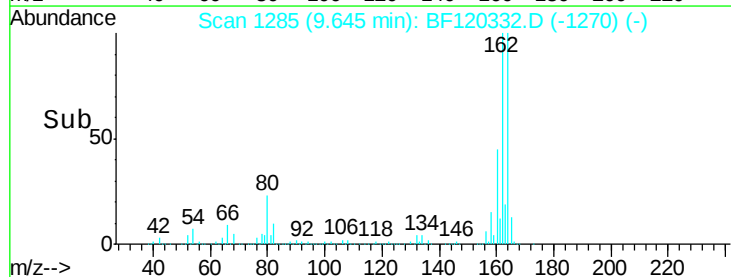
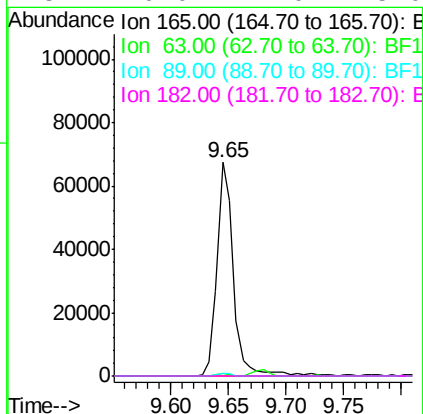
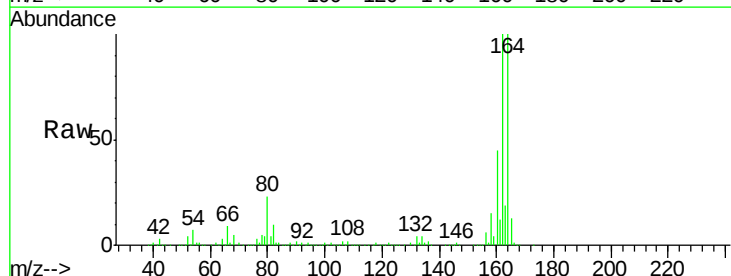
Instrument :
BNA_F
ClientSampleId :

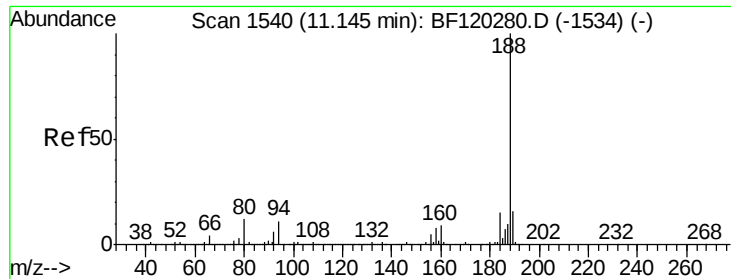
Tot Ion:163 Resp: 387796
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 9.5 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 7.971 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.21 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion:165 Resp: 66641
Ion Ratio Lower Upper
165 100
63 1.0 51.8 77.8#
89 1.4 64.2 96.4#
182 0.0 2.0 3.0#

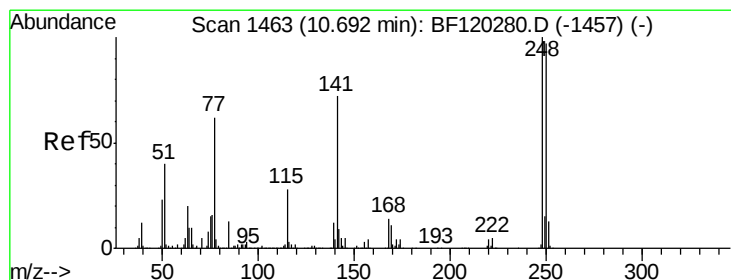
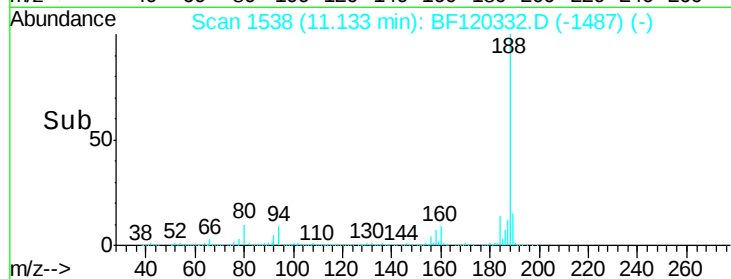
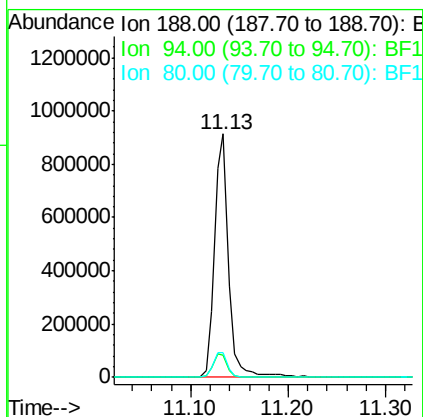
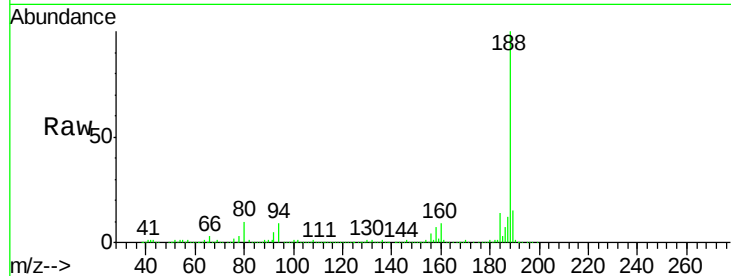




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

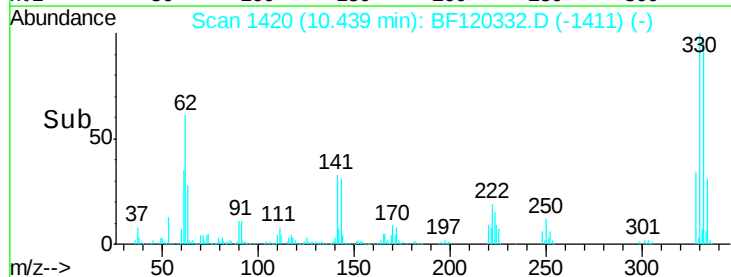
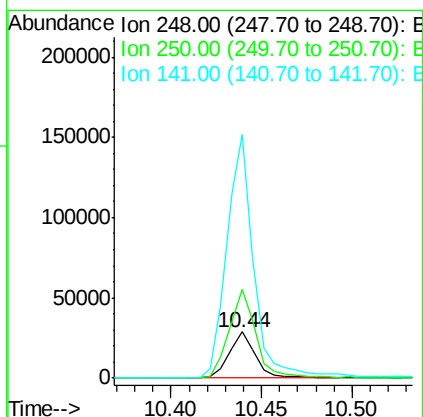
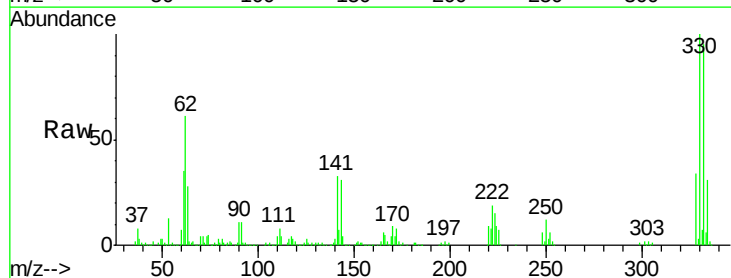
Instrument :
BNA_F
ClientSampleId :

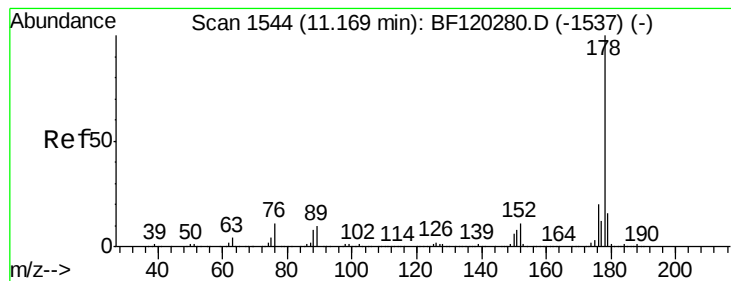
Tot Ion:188 Resp: 909103
Ion Ratio Lower Upper
188 100
94 9.0 8.6 13.0
80 10.0 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 3.306 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.25 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion:248 Resp: 29163
Ion Ratio Lower Upper
248 100
250 192.9 77.8 116.6#
141 530.5 57.7 86.5#





#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 :

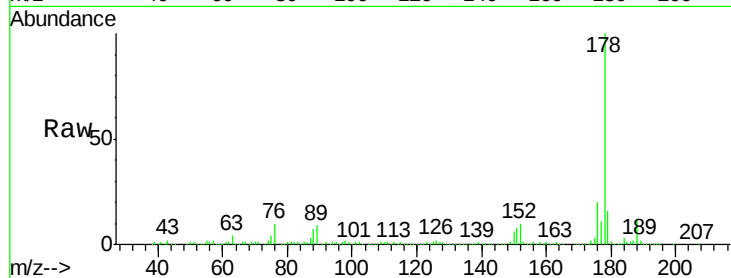
Tot Ion:178 Resp: 313841

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

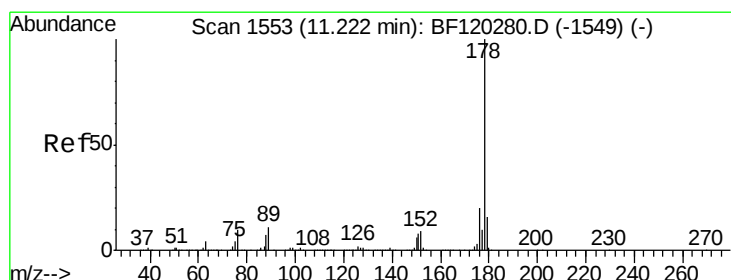
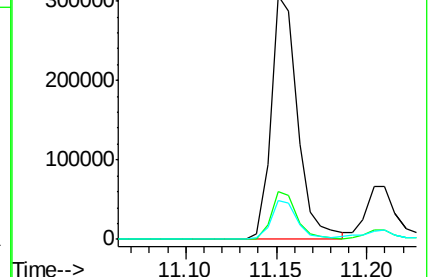
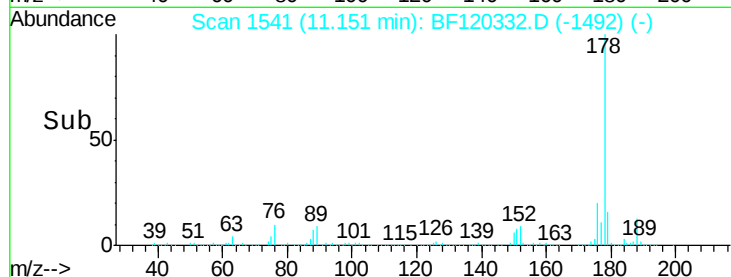
179 15.7 12.8 19.2



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

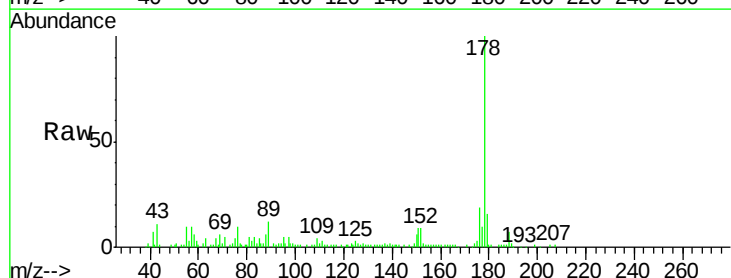
Tgt Ion:178 Resp: 88657

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

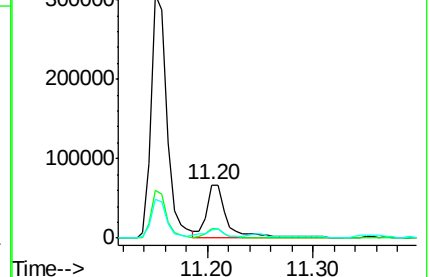
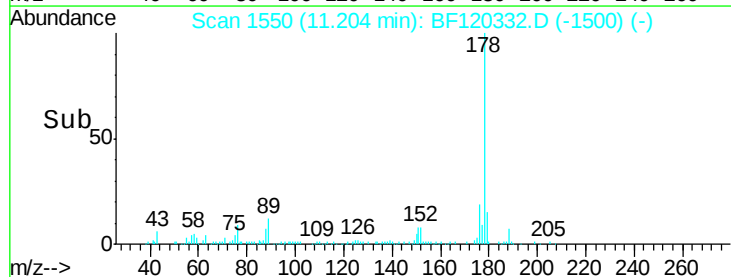
179 15.8 13.0 19.6

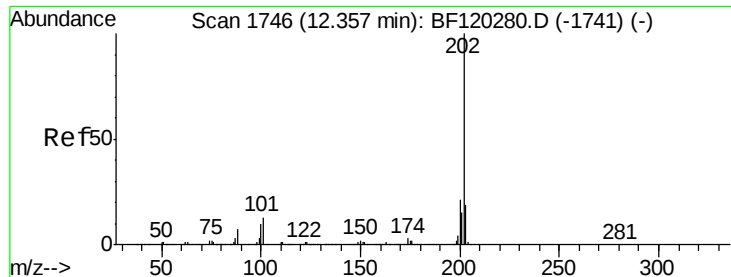


Abundance Ion 178.00 (177.70 to 178.70): E

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 :

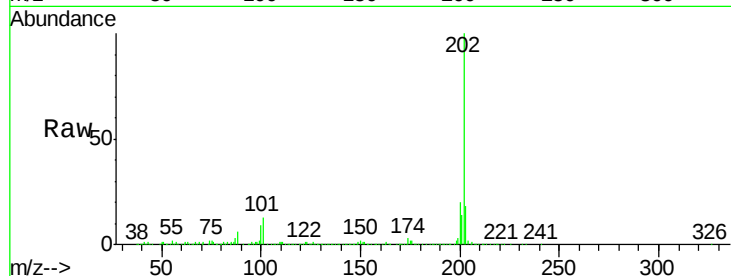
Tot Ion:202 Resp: 466801

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

203 17.6 0.0 39.1

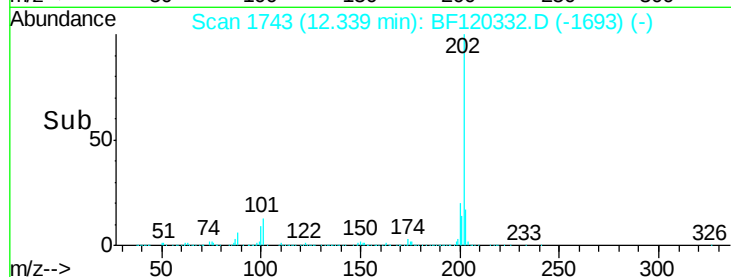


Abundance Ion 202.00 (201.70 to 202.70): E

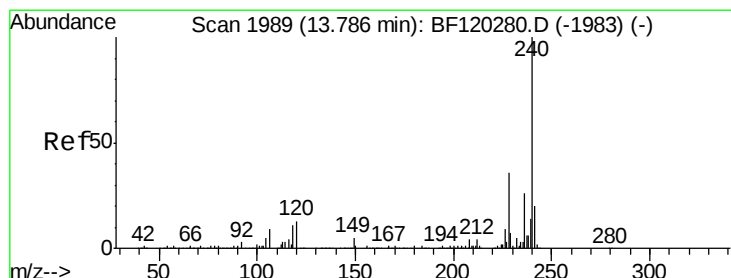
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#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

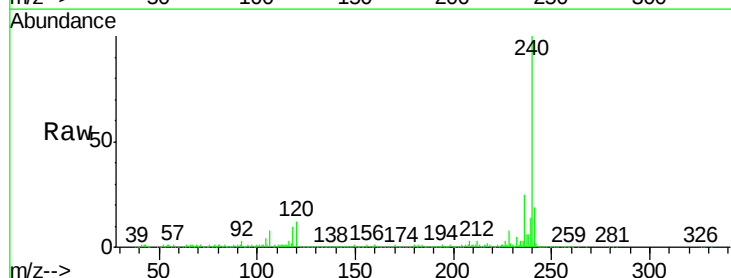
Tgt Ion:240 Resp: 539461

Ion Ratio Lower Upper

240 100

120 11.9 10.4 15.6

236 25.4 21.0 31.6

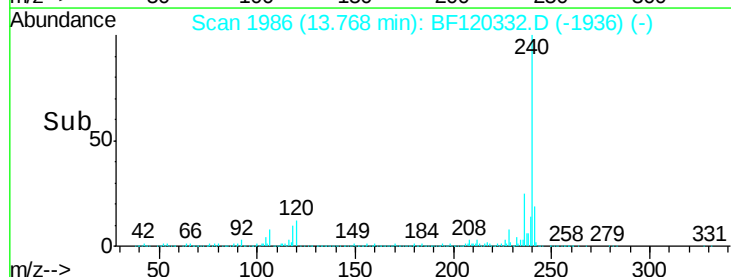


Abundance Ion 240.00 (239.70 to 240.70): E

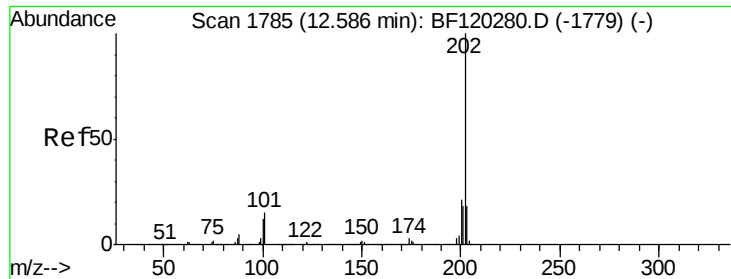
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#78

Pvrene

Concen: 10.305 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF120332.D

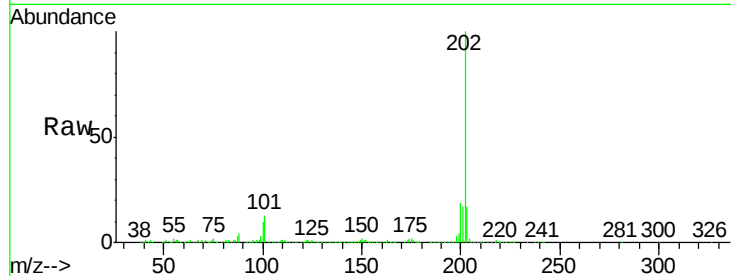
Acq: 15 May 2020 20:11

Instrument :

BNA_F

ClientSampleId :

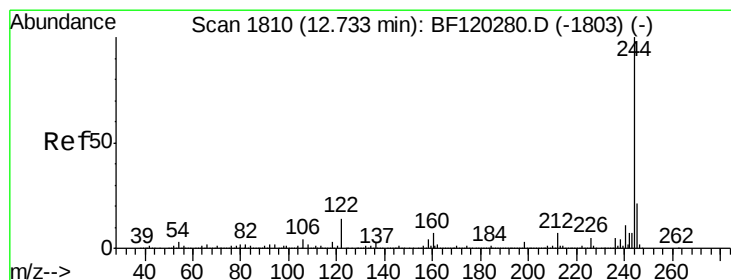
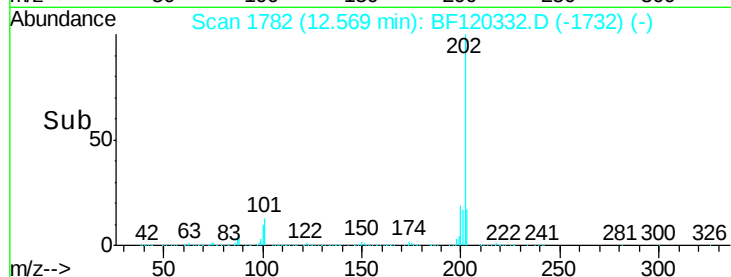
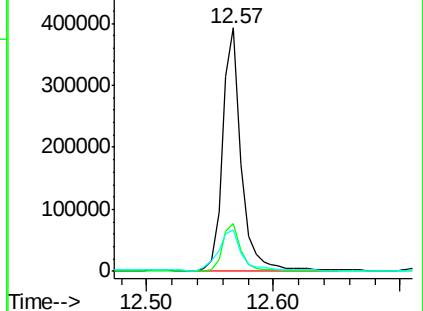
Tot Ion:	202	Resp:	396318
Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.6	25.0
203	17.1	14.6	22.0



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: 87.692 ng

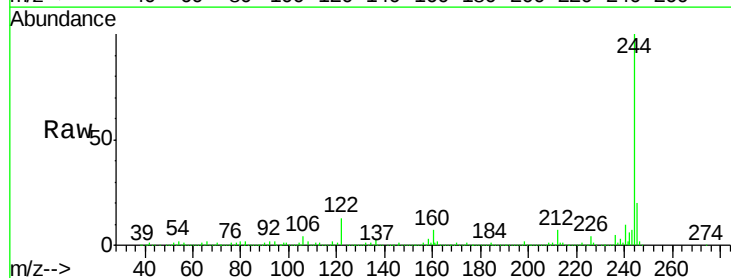
RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF120332.D

Acq: 15 May 2020 20:11

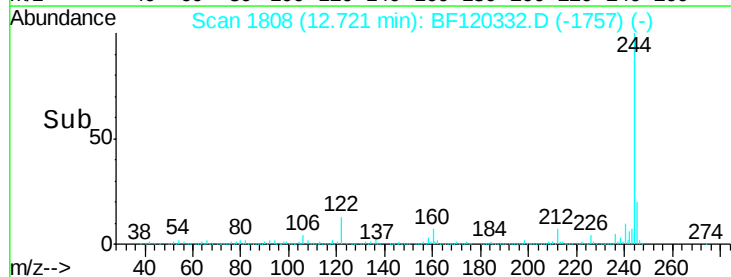
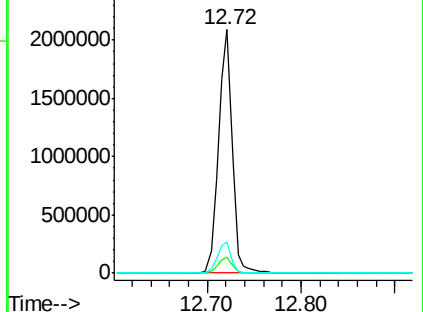
Tgt Ion:	244	Resp:	2141325
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.5	10.8	16.2

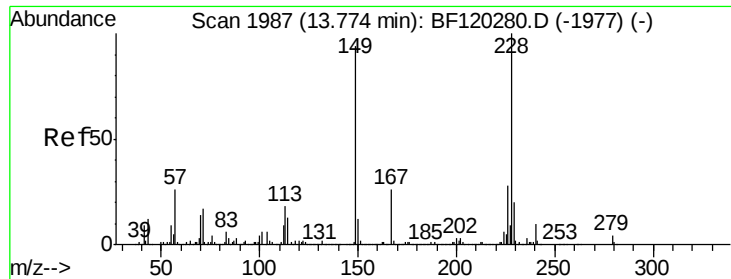


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

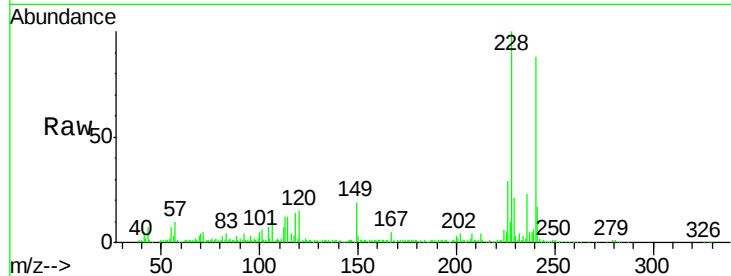




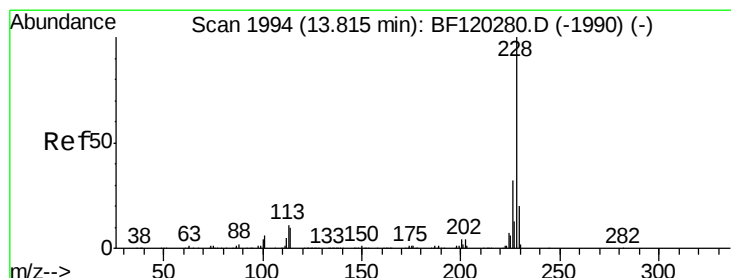
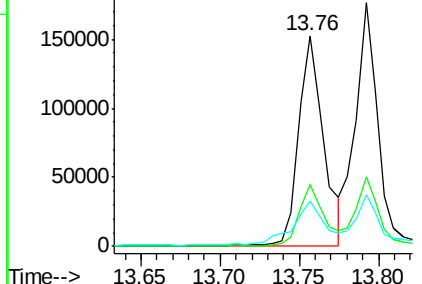
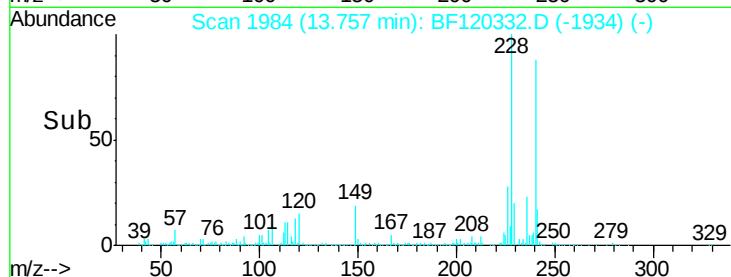
#81
Benzo(a)anthracene
Concen: 5.871 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampled :

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

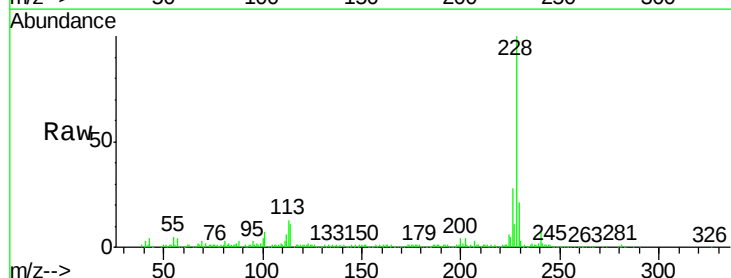


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

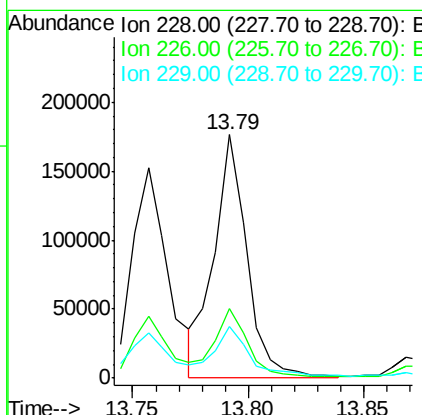
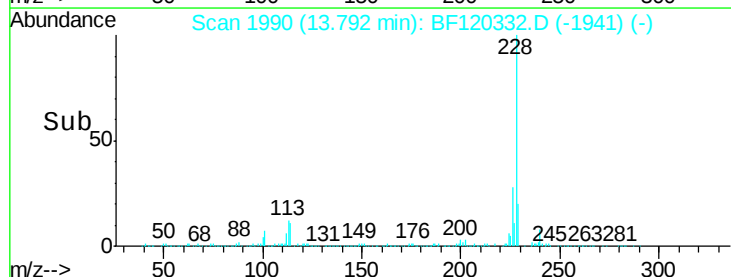


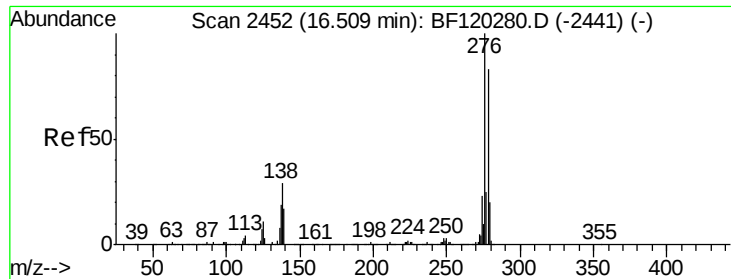
#83
Chrysene
Concen: 5.673 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

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

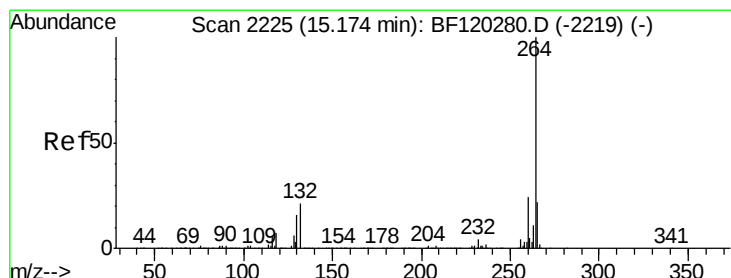
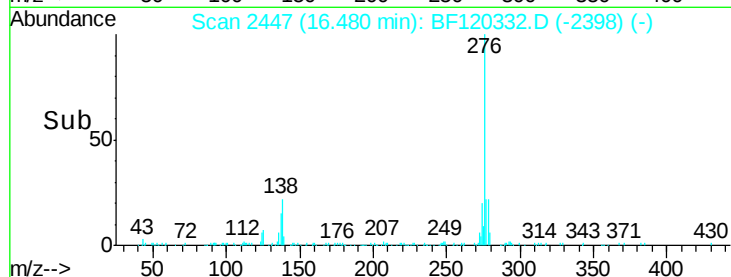
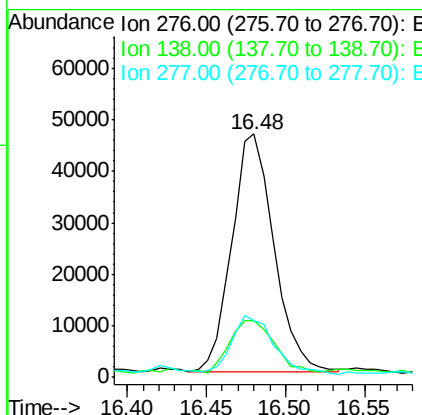
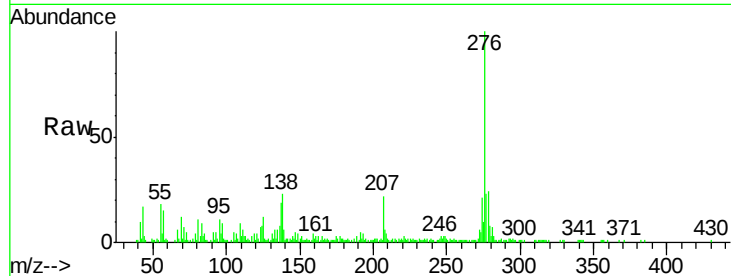




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.062 ng
 RT: 16.48 min Scan# 2447
 Delta R.T. -0.01 min
 Lab File: BF120332.D
 Acq: 15 May 2020 20:11

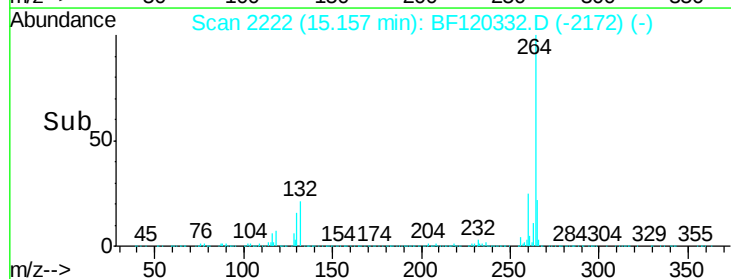
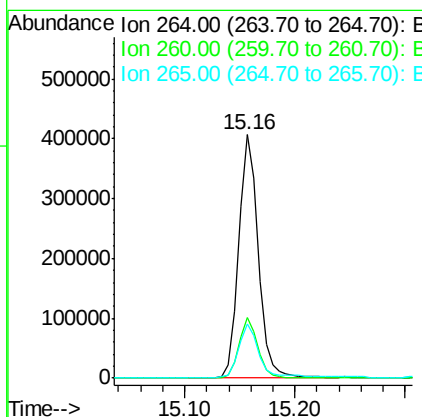
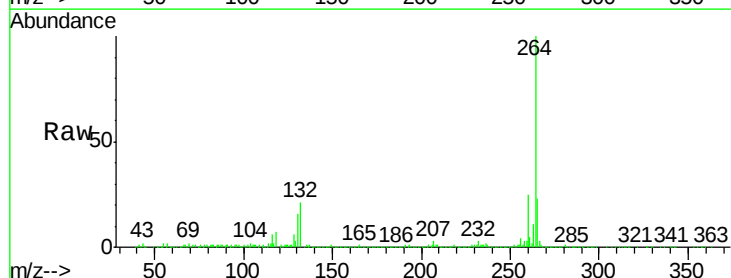
Instrument :
 BNA_F
 ClientSampleId :

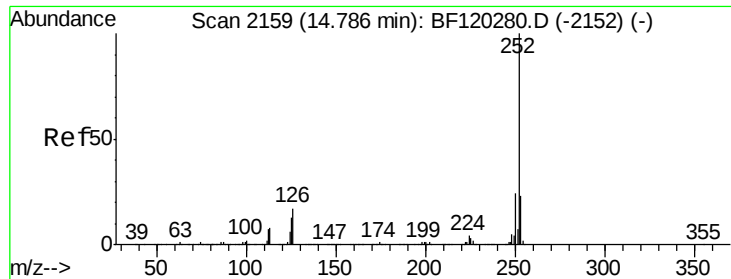
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	23.3	34.9
277	25.2	20.2	30.4



#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

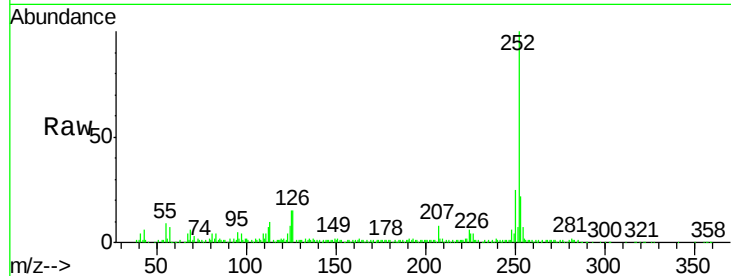




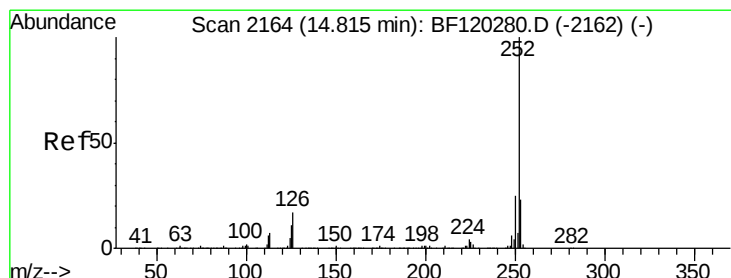
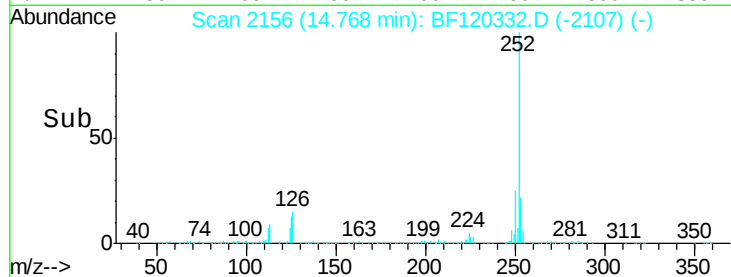
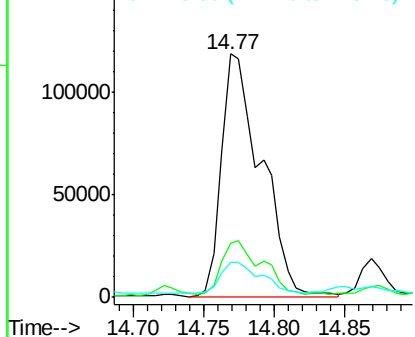
#88
Benzo(b)fluoranthene
Concen: 8.302 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampleId :

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

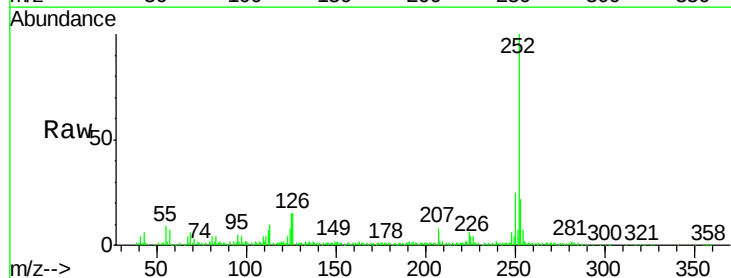


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

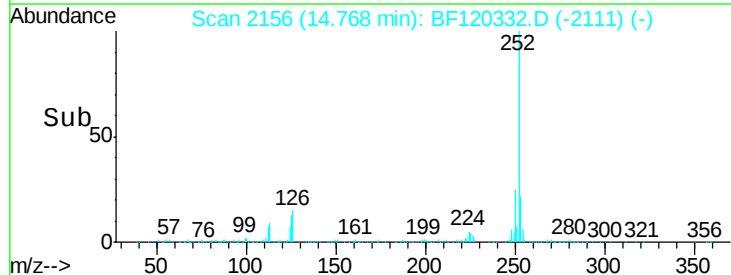
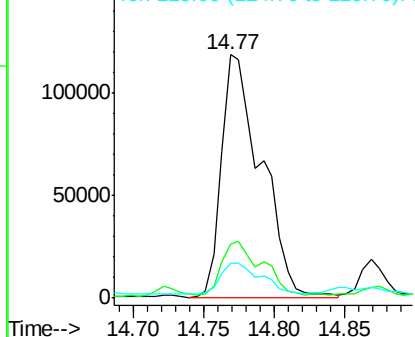


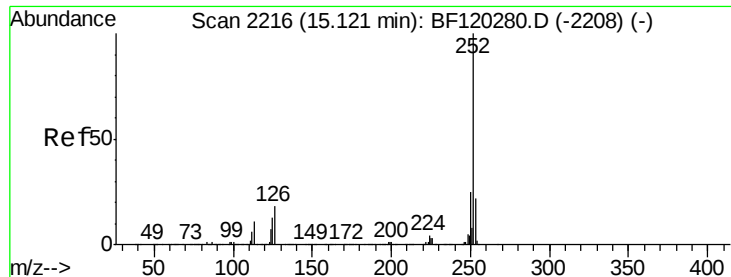
#89
Benzo(k)fluoranthene
Concen: 9.582 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.04 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	14.6	9.9	14.9



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

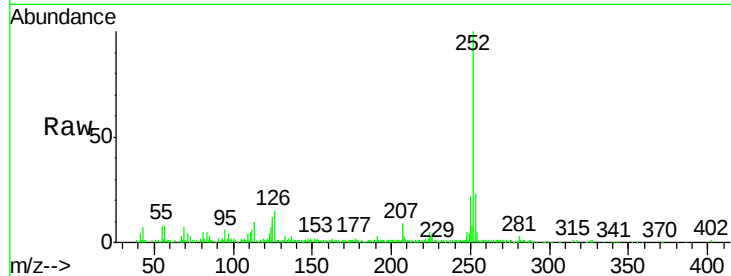




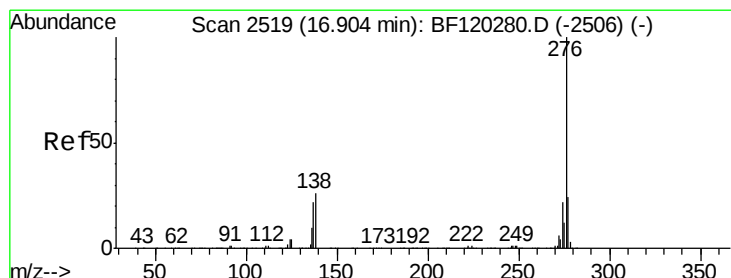
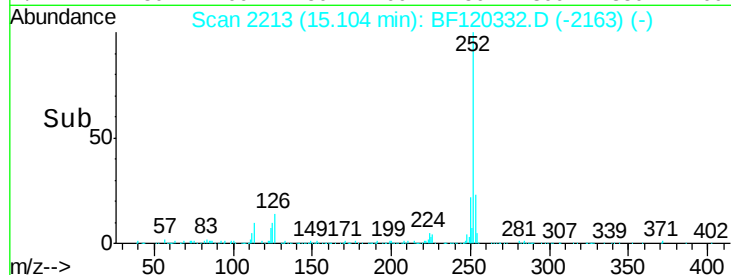
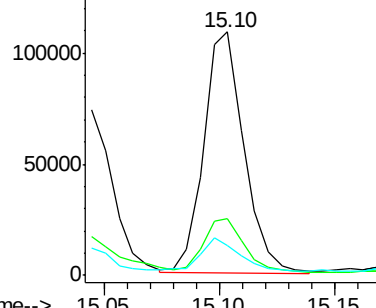
#90
Benzo(a)pyrene
Concen: 5.261 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF120332.D
Acq: 15 May 2020 20:11

Instrument :
BNA_F
ClientSampled :

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

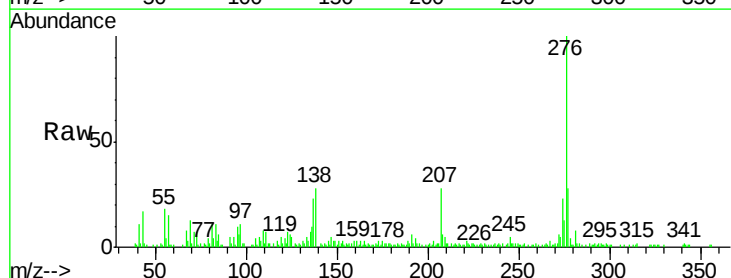


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#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



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

