

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121857.D
 Acq On : 6 Oct 2020 17:31
 Operator : JU/CG
 Sample : L4230-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2015

Quant Time: Oct 06 18:47:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	119260	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	450485	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	207613	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	319621	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	255667	20.00	ng	-0.01
86) Perylene-d12	15.36	264	267827	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	709319	88.39	ng	0.00
7) Phenol-d6	6.40	99	908608	86.30	ng	-0.01
23) Nitrobenzene-d5	7.33	82	621304	74.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	182220	70.62	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	946421	69.04	ng	-0.01
79) Terphenyl-d14	12.87	244	625284	49.55	ng	-0.01

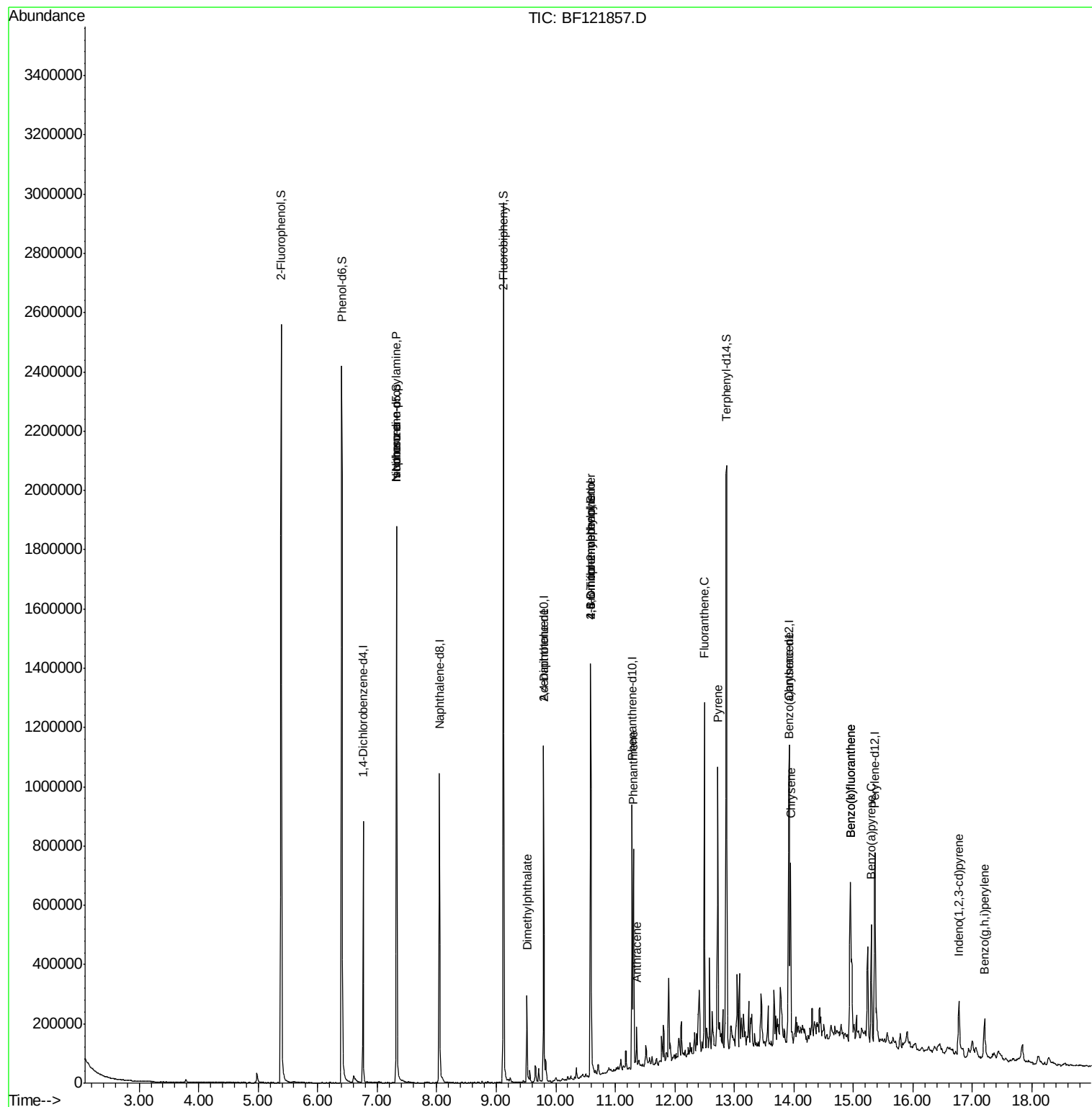
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.33	70	80680	13.297	ng	# 79
25) Isophorone	7.33	82	621301	36.786	ng	# 67
50) Dimethylphthalate	9.52	163	120989	8.040	ng	100
57) 2,4-Dinitrotoluene	9.80	165	27577	6.840	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	208	6.943	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	10519	2.891	ng	# 1
71) Phenanthrene	11.30	178	248617	14.277	ng	98
72) Anthracene	11.36	178	48346	2.690	ng	97
75) Fluoranthene	12.50	202	476250	25.619	ng	98
78) Pyrene	12.72	202	394398	21.114	ng	99
81) Benzo(a)anthracene	13.91	228	208986	12.920	ng	98
83) Chrysene	13.94	228	216471	13.216	ng	98
87) Indeno(1,2,3-cd)pyrene	16.77	276	109739	6.292	ng	96
88) Benzo(b)fluoranthene	14.94	252	389116	21.733	ng	98
89) Benzo(k)fluoranthene	14.94	252	389116	23.732	ng	# 98
90) Benzo(a)pyrene	15.30	252	183883	12.082	ng	99
92) Benzo(a,h,i)perylene	17.20	276	101803	7.133	ng	98

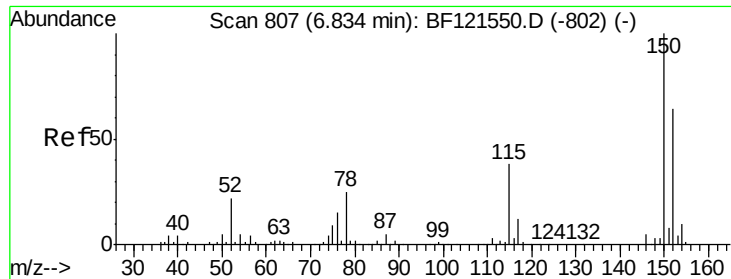
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2015

Quant Time: Oct 06 18:47:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration



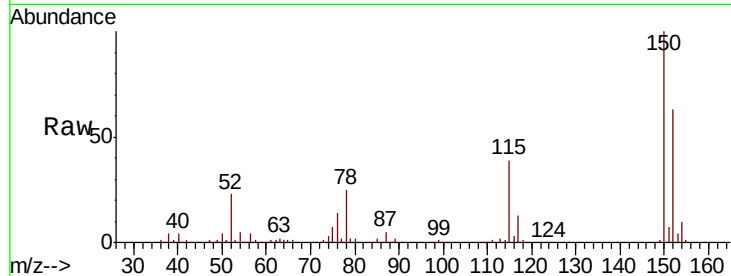


#1

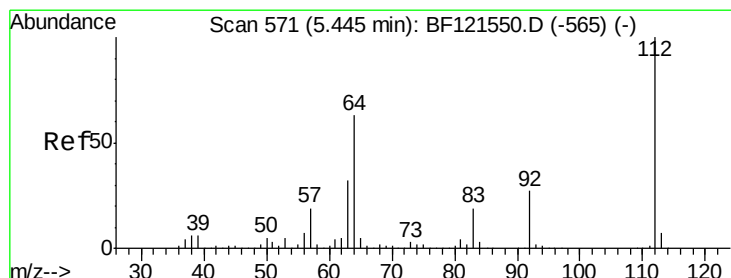
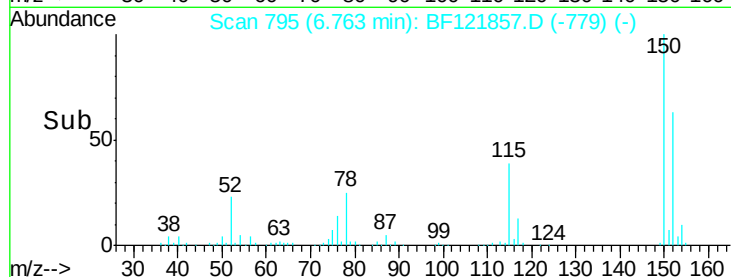
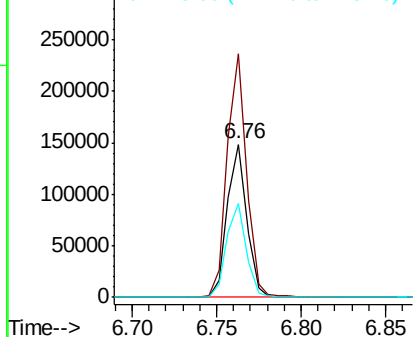
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampleId :
2015

Tot Ion:152 Resp: 119260
Ion Ratio Lower Upper
152 100
150 158.9 125.3 187.9
115 61.2 51.9 77.9



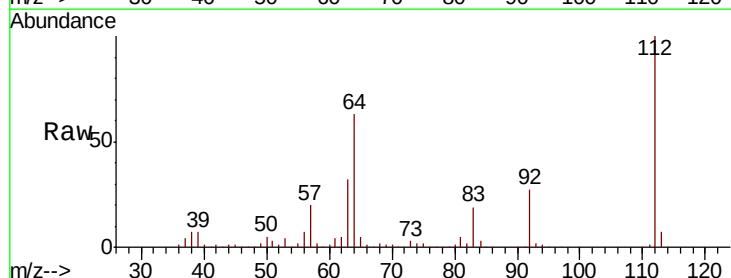
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



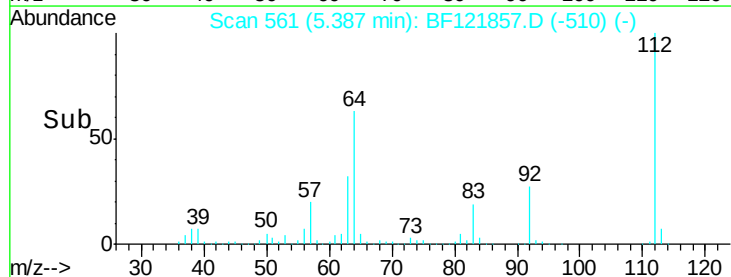
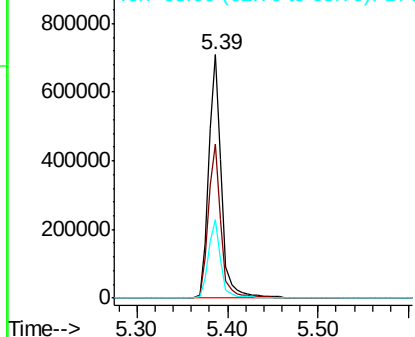
#5

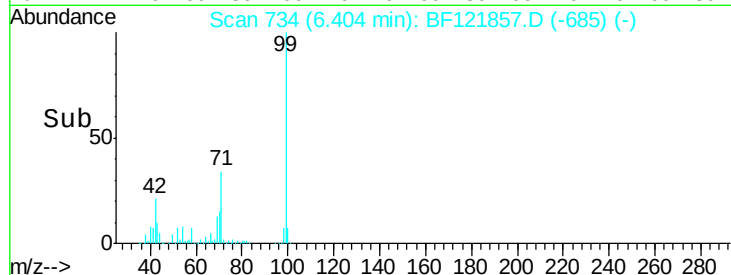
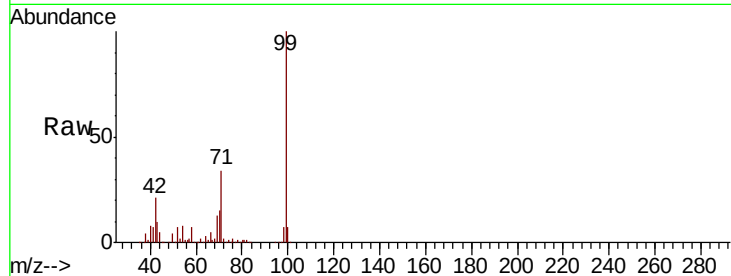
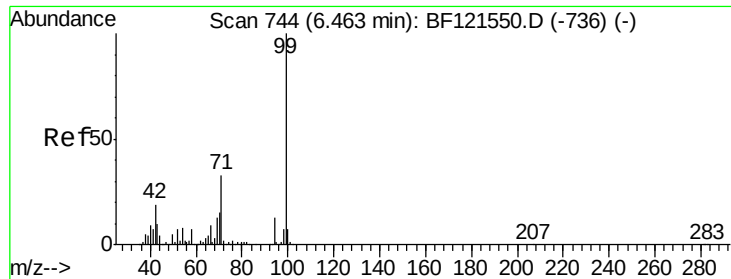
2-Fluorophenol
Concen: 88.390 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.00 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion:112 Resp: 709319
Ion Ratio Lower Upper
112 100
64 63.2 50.4 75.6
63 32.4 25.8 38.6



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: 86.302 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampled :

2015

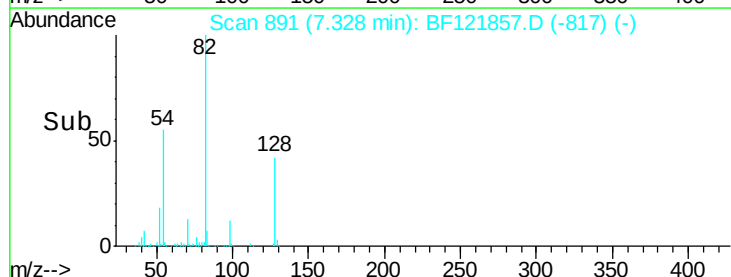
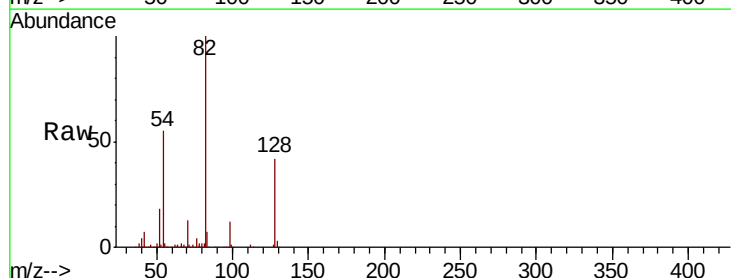
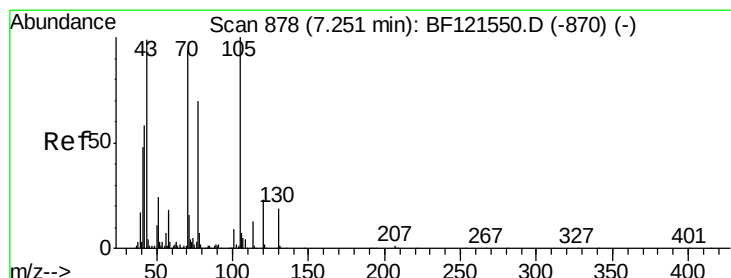
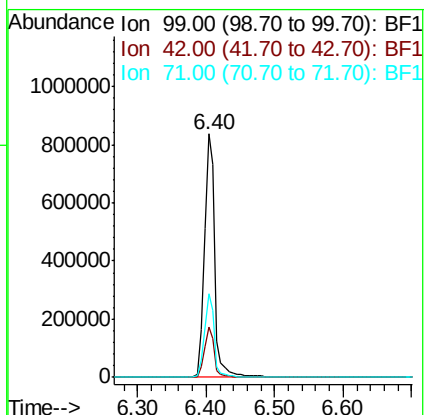
Tot Ion: 99 Resp: 908608

Ion Ratio Lower Upper

99 100

42 20.8 15.9 23.9

71 34.2 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.297 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Tgt Ion: 70 Resp: 80680

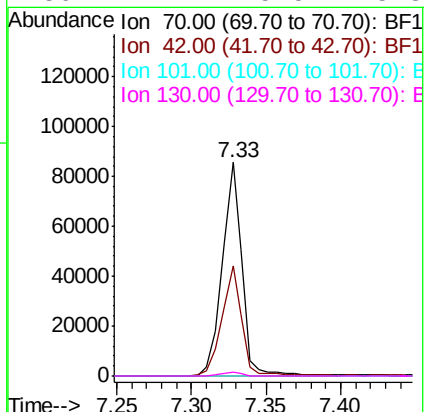
Ion Ratio Lower Upper

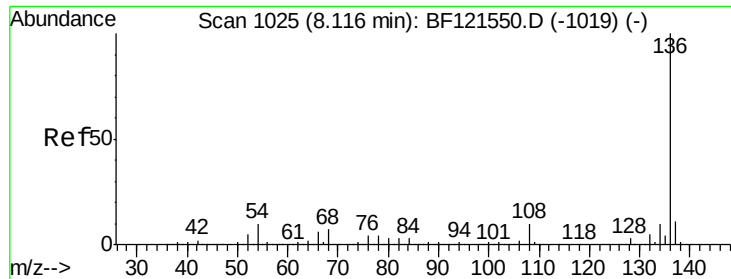
70 100

42 51.7 50.2 75.4

101 0.0 7.5 11.3#

130 2.1 15.5 23.3#

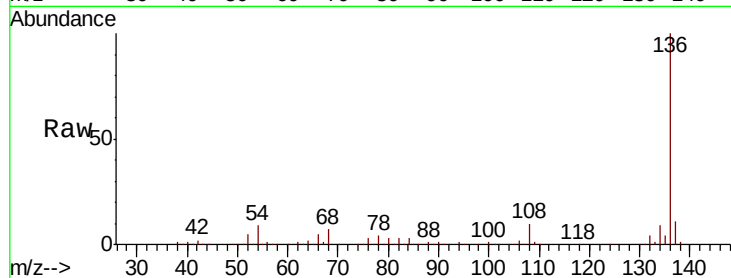




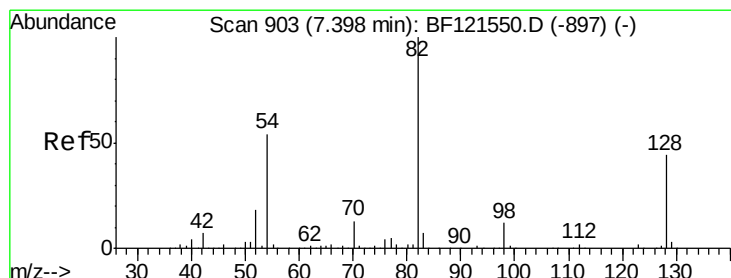
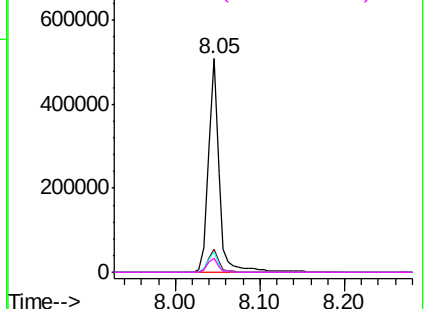
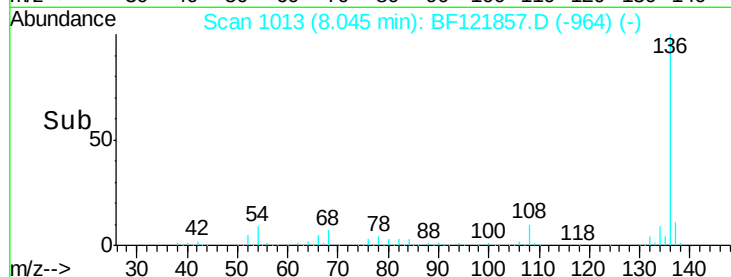
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampleId :
2015

Tot Ion:136	Resp:	450485
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 13.0
54	9.3	7.1 10.7
68	6.8	5.0 7.4

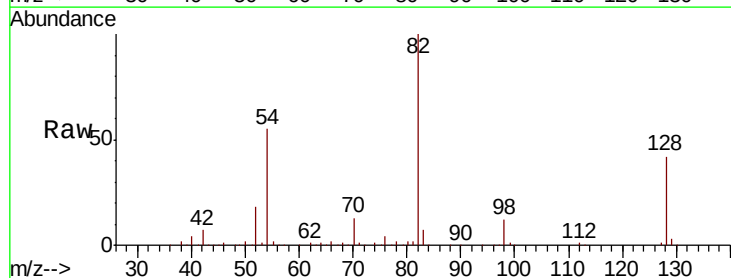


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

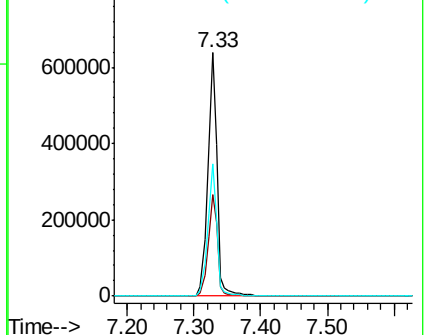
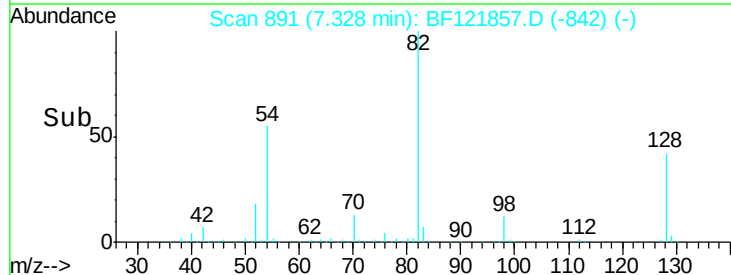


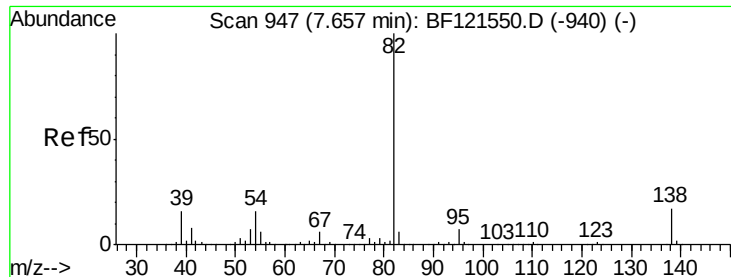
#23
Nitrobenzene-d5
Concen: 74.051 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion: 82	Resp:	621304
Ion	Ratio	Lower Upper
82	100	
128	41.8	35.0 52.4
54	54.6	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: 36.786 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampleId :

2015

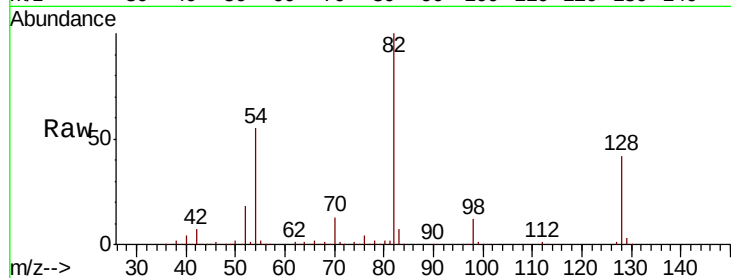
Tot Ion: 82 Resp: 621301

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

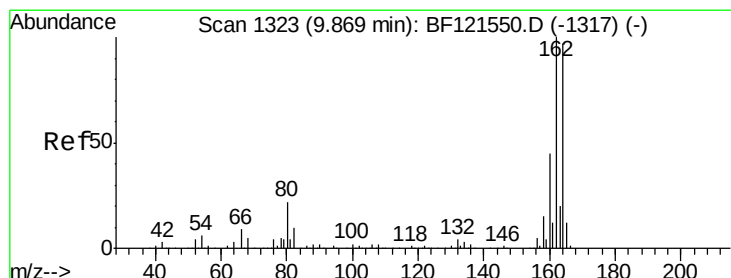
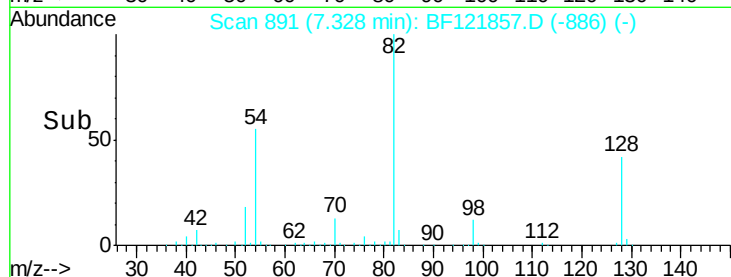
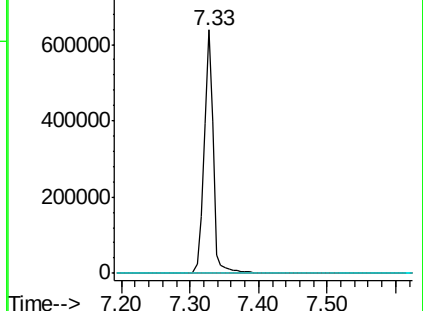
138 0.0 13.4 20.0#



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: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

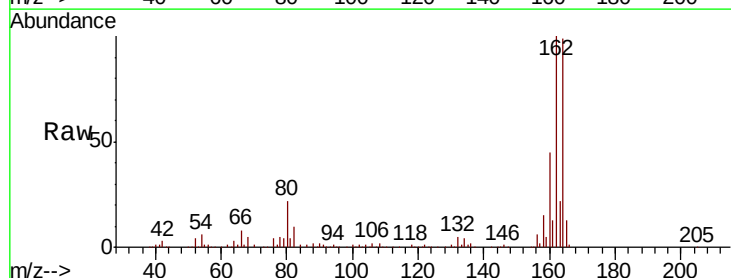
Tgt Ion:164 Resp: 207613

Ion Ratio Lower Upper

164 100

162 101.5 83.2 124.8

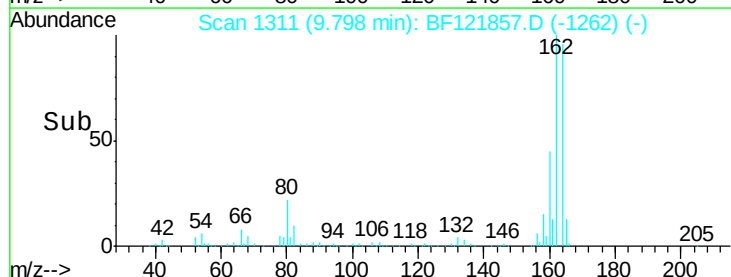
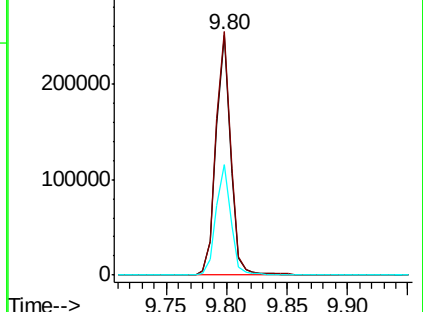
160 46.0 37.5 56.3

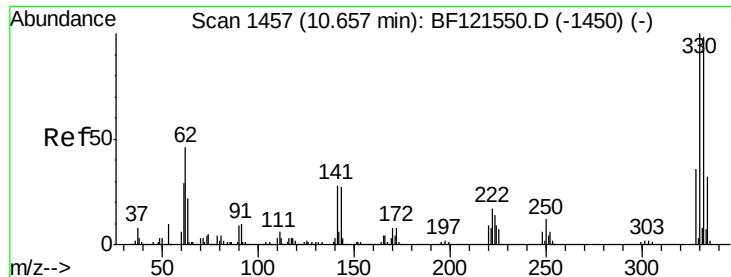


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 70.618 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampled :

2015

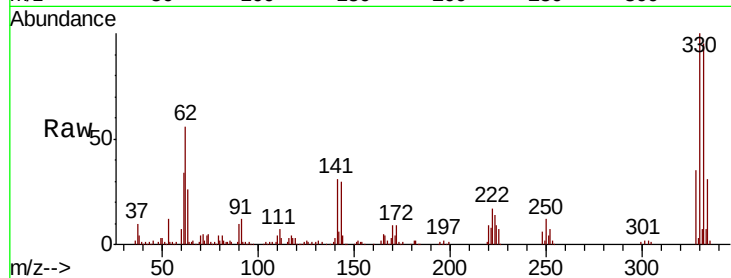
Tot Ion:330 Resp: 182220

Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

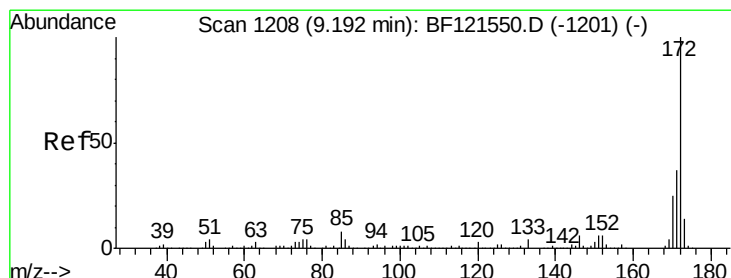
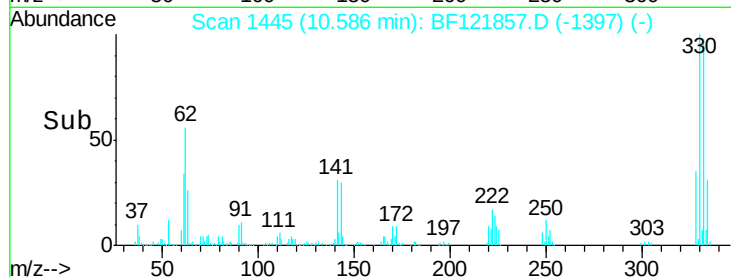
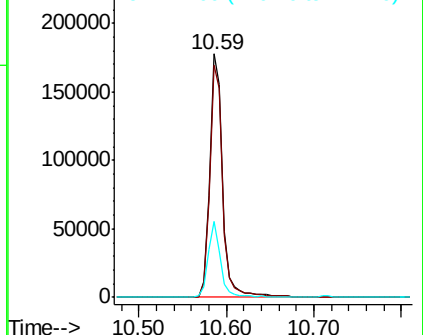
141 30.9 22.3 33.5



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: 69.041 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

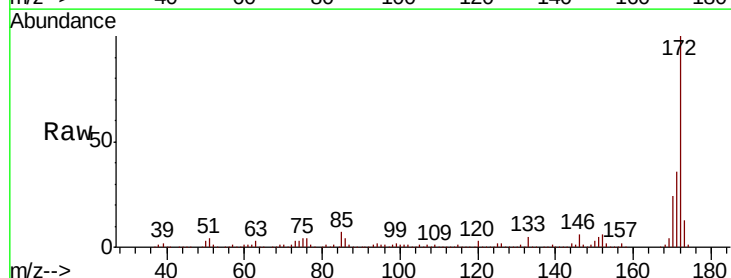
Tgt Ion:172 Resp: 946421

Ion Ratio Lower Upper

172 100

171 36.0 29.1 43.7

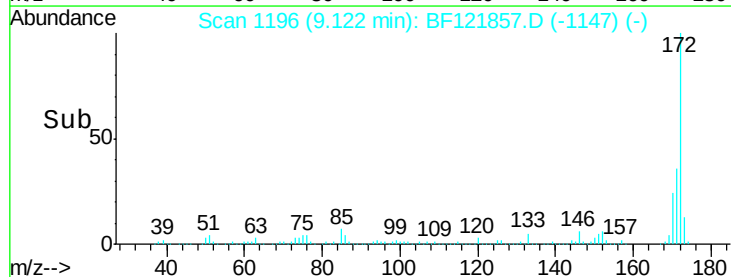
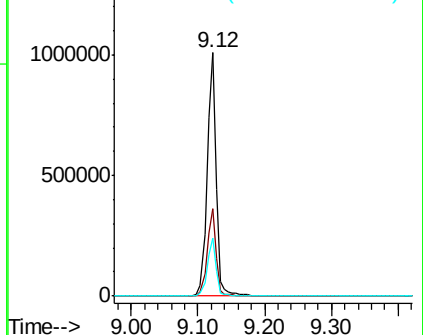
170 24.1 19.8 29.6

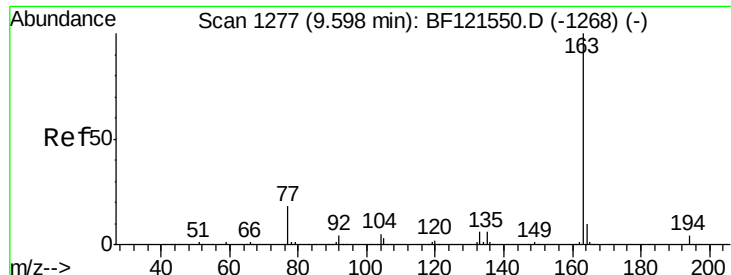


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

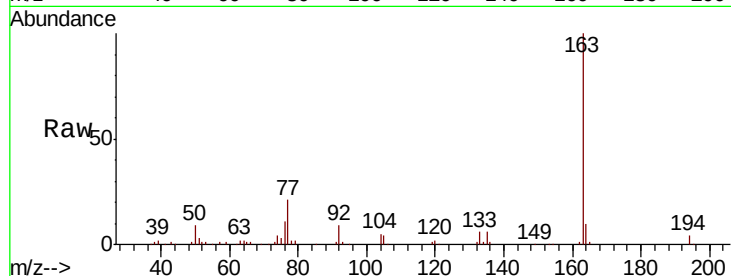




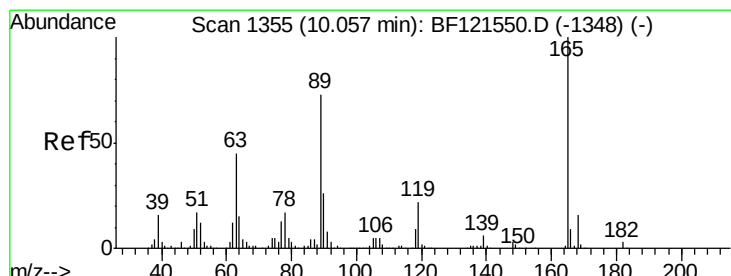
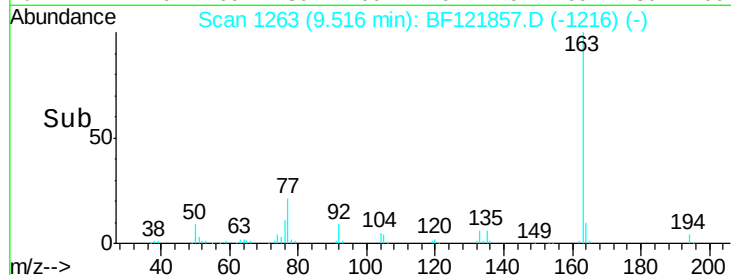
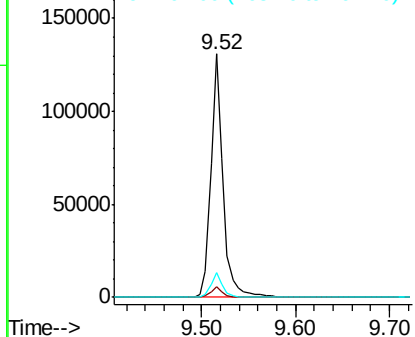
#50
Dimethylphthalate
Concen: 8.040 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Instrument :
BNA_F
ClientSampleId :
2015

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.4

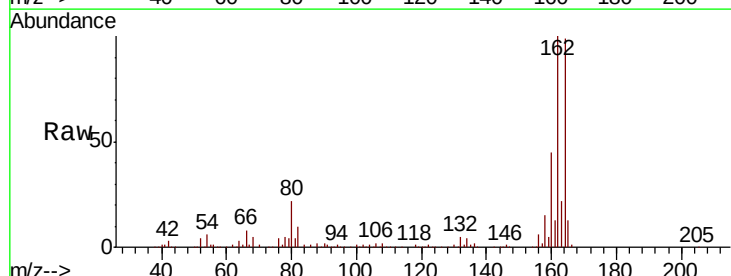


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

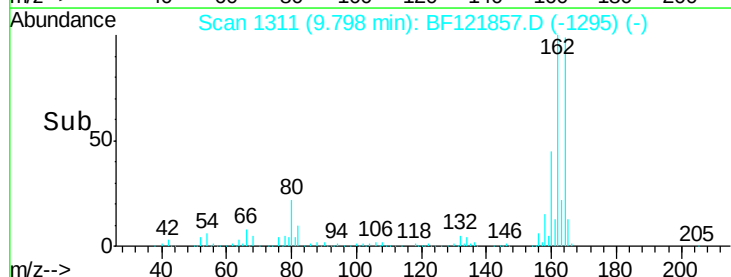
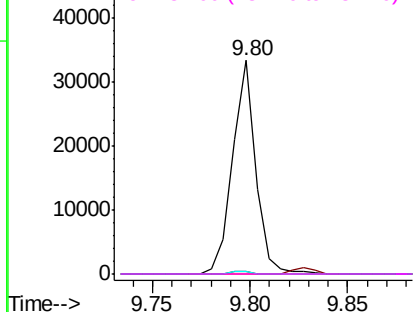


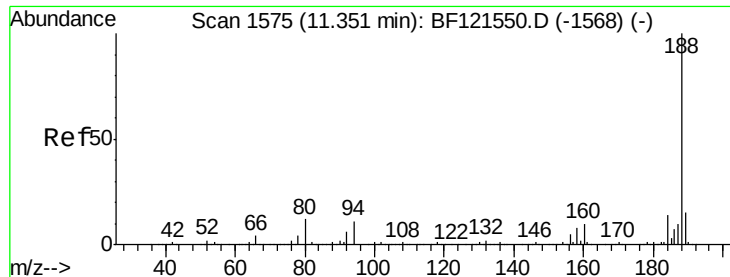
#57
2,4-Dinitrotoluene
Concen: 6.840 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	41.3	61.9#
89	1.5	61.8	92.8#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampleId :
2015

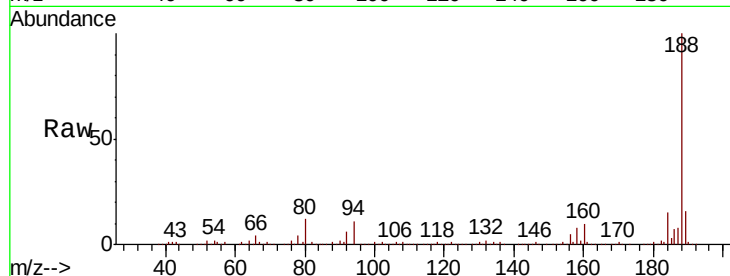
Tot Ion:188 Resp: 319621

Ion Ratio Lower Upper

188 100

94 11.4 8.3 12.5

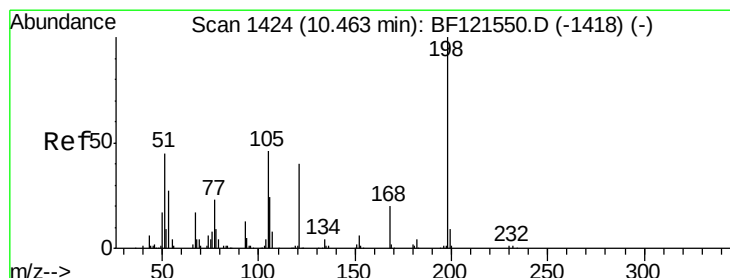
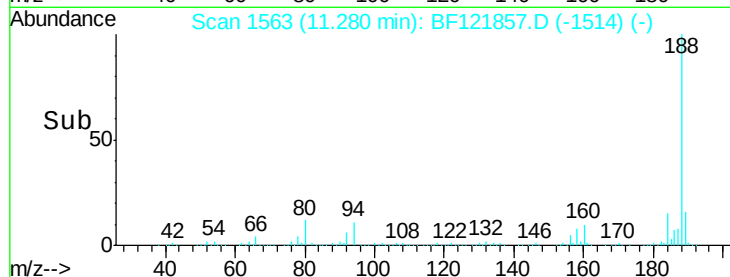
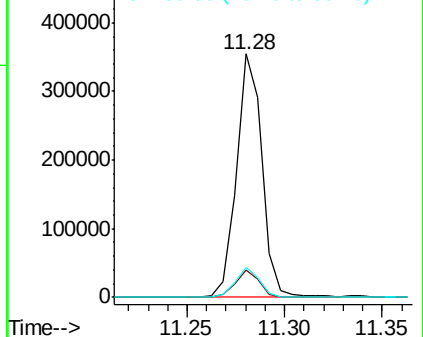
80 12.5 9.1 13.7



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.943 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.17 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

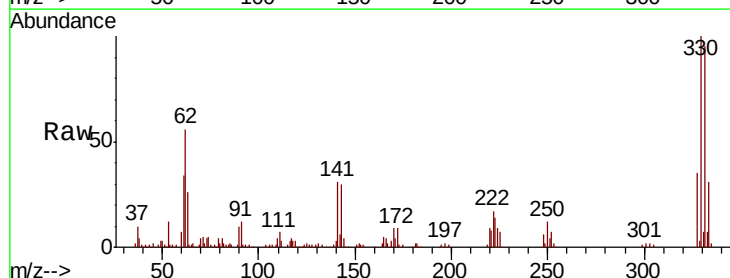
Tgt Ion:198 Resp: 208

Ion Ratio Lower Upper

198 100

51 158.2 29.6 69.6#

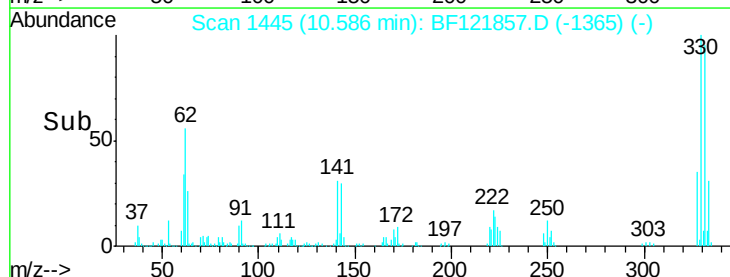
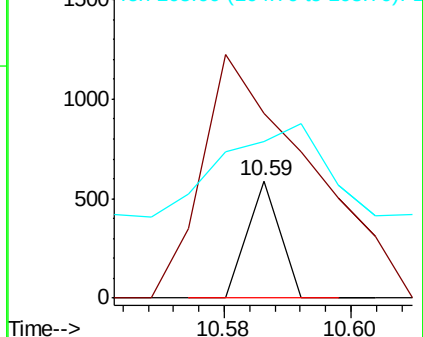
105 134.4 24.4 64.4#

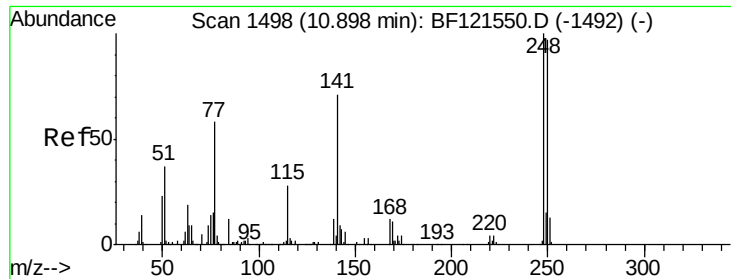


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

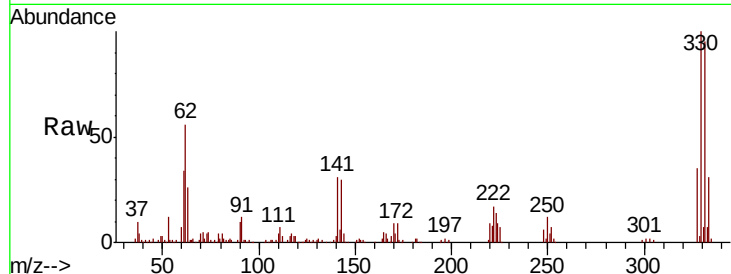




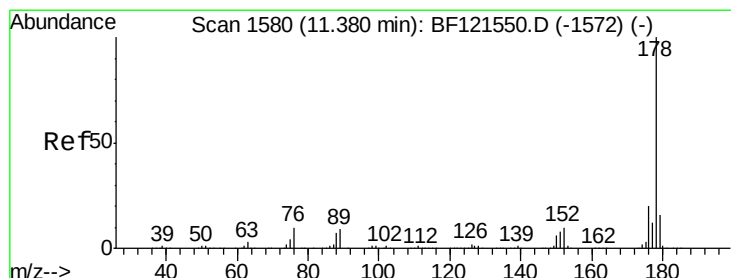
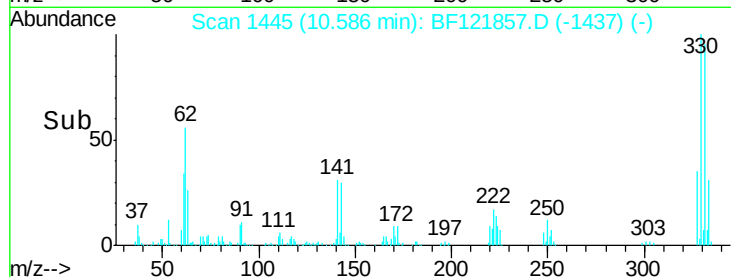
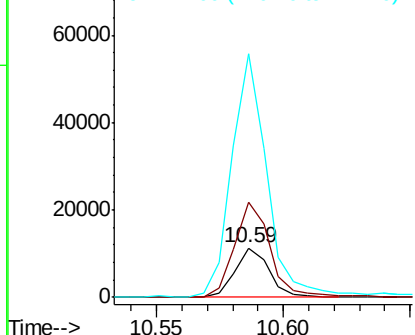
#67
 4-Bromophenyl-phenylether
 Concen: 2.891 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121857.D
 Acq: 6 Oct 2020 17:31

Instrument :
 BNA_F
 ClientSampleId :
 2015

Tot Ion:248 Resp: 10519
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.0 115.6#
 141 495.3 53.7 80.5#

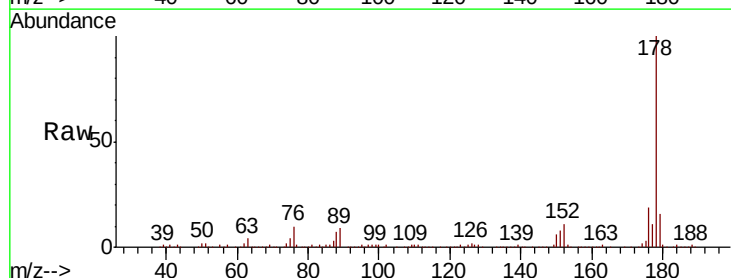


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

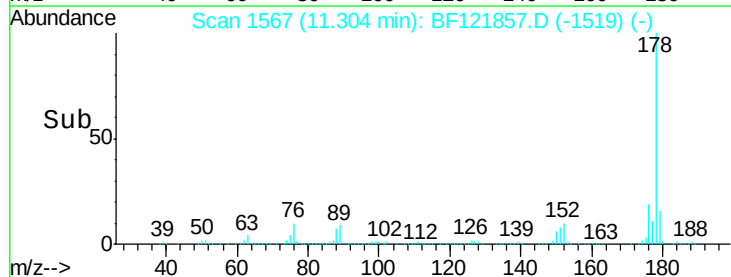
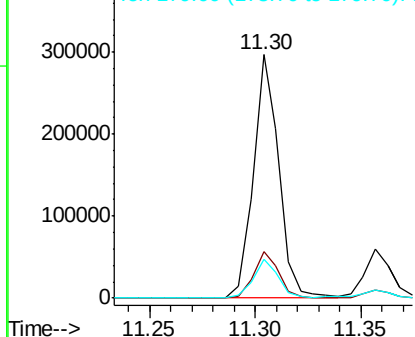


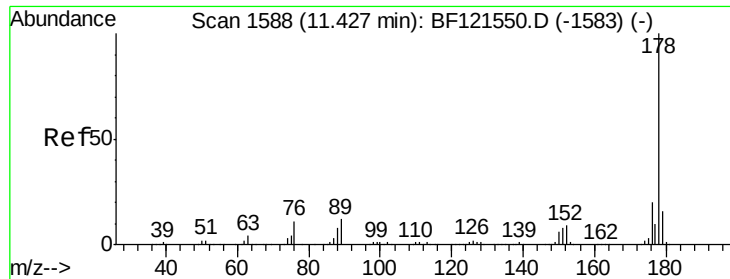
#71
 Phenanthrene
 Concen: 14.277 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF121857.D
 Acq: 6 Oct 2020 17:31

Tgt Ion:178 Resp: 248617
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.9 23.9
 179 15.7 12.2 18.4



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: 2.690 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampleId :
2015

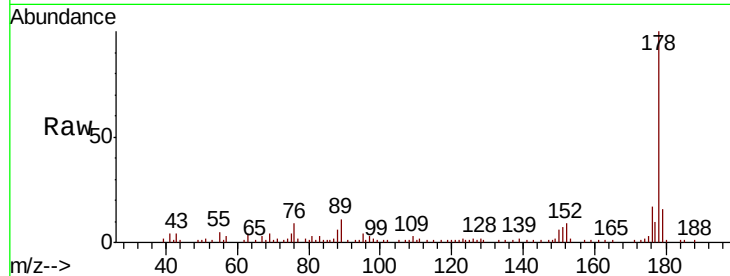
Tot Ion:178 Resp: 48346

Ion Ratio Lower Upper

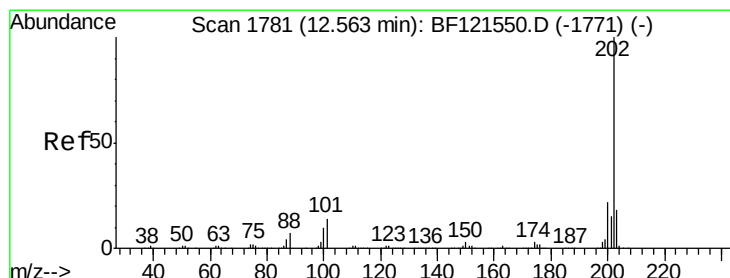
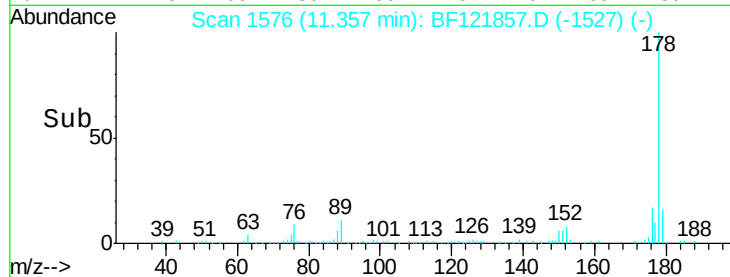
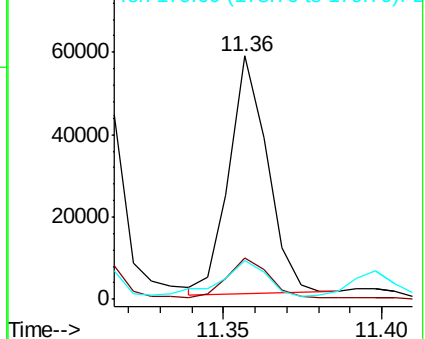
178 100

176 17.1 15.7 23.5

179 16.0 12.7 19.1



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: 25.619 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

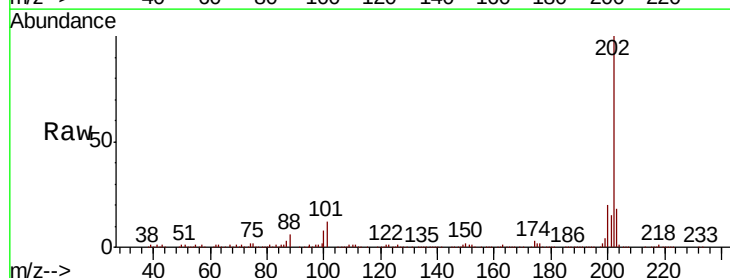
Tgt Ion:202 Resp: 476250

Ion Ratio Lower Upper

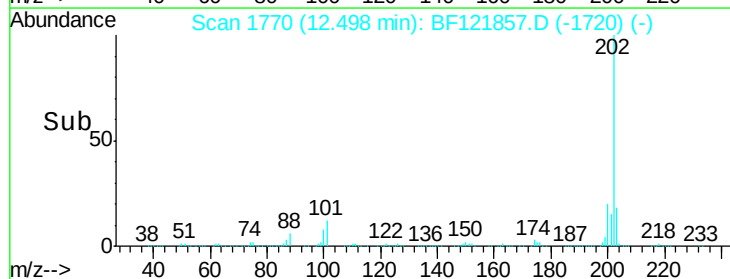
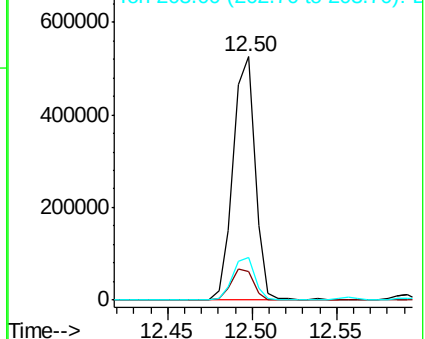
202 100

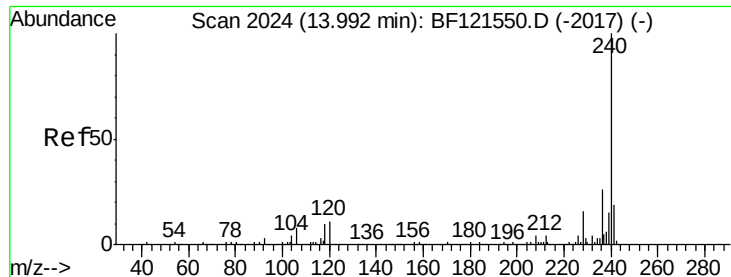
101 11.7 0.0 33.4

203 17.7 0.0 37.9



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: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampleId :
2015

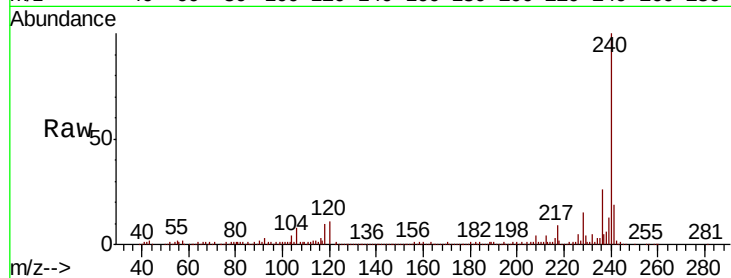
Tot Ion:240 Resp: 255667

Ion Ratio Lower Upper

240 100

120 11.5 9.2 13.8

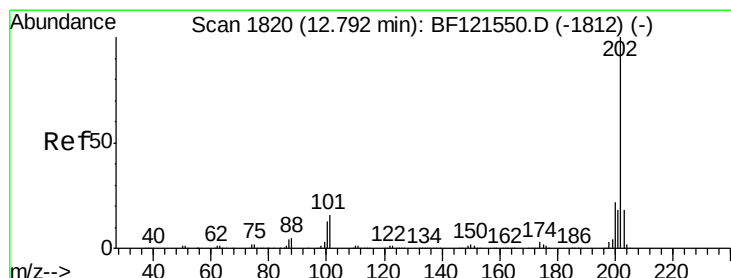
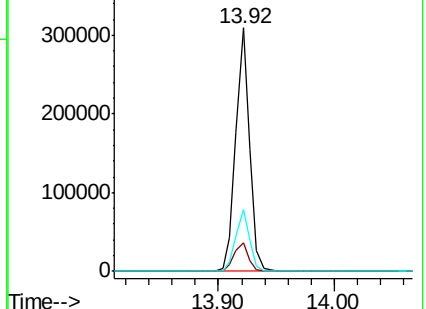
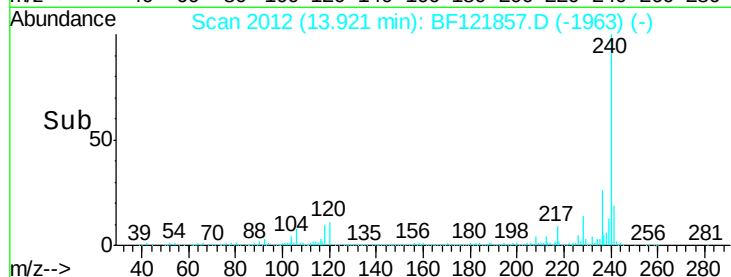
236 25.5 20.9 31.3



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: 21.114 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

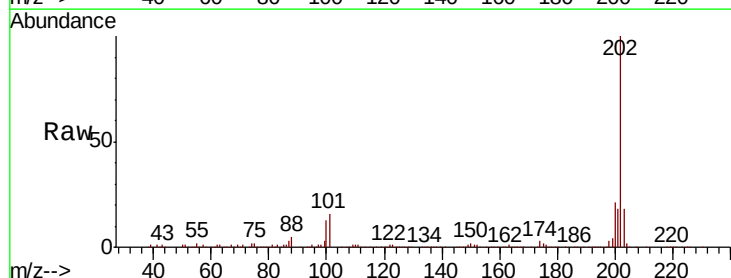
Tgt Ion:202 Resp: 394398

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

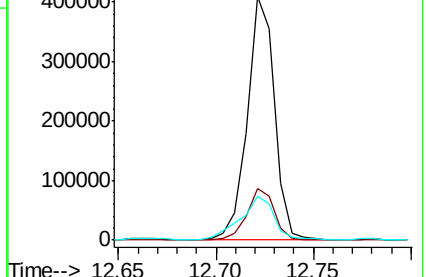
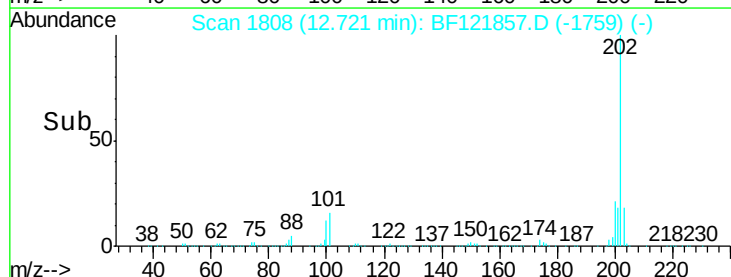
203 18.1 14.6 21.8

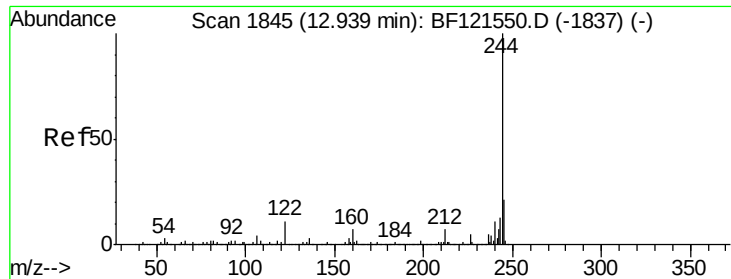


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 49.547 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampled :
2015

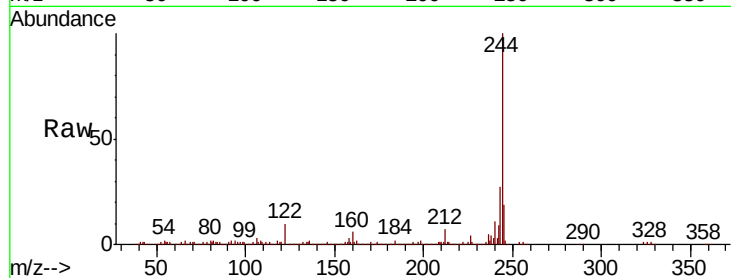
Tot Ion:244 Resp: 625284

Ion Ratio Lower Upper

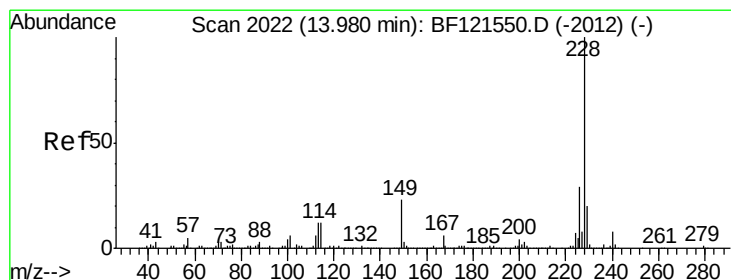
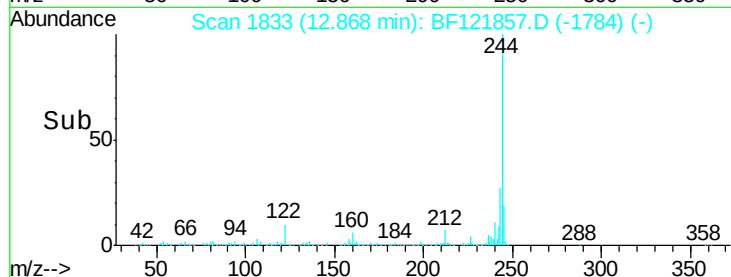
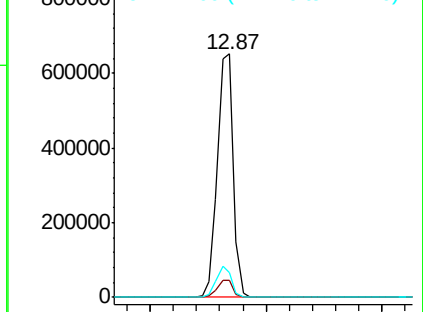
244 100

212 6.8 5.4 8.2

122 9.9 8.1 12.1



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: 12.920 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

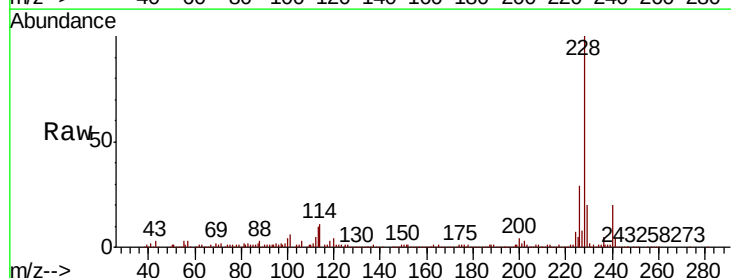
Tgt Ion:228 Resp: 208986

Ion Ratio Lower Upper

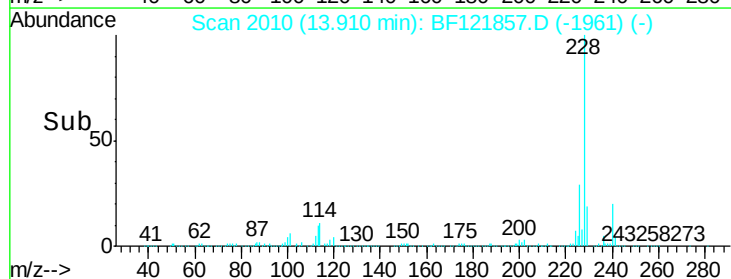
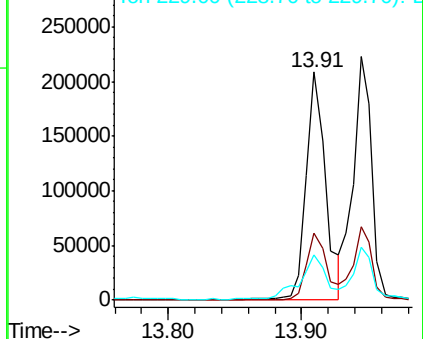
228 100

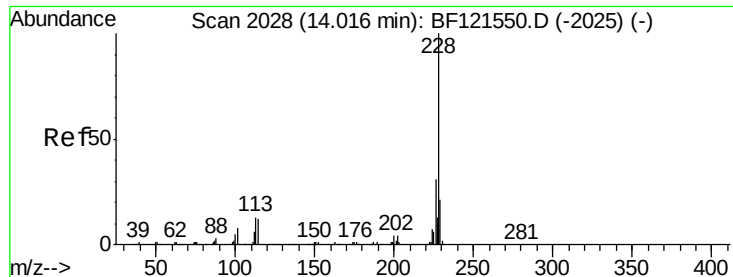
226 29.5 22.3 33.5

229 20.1 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

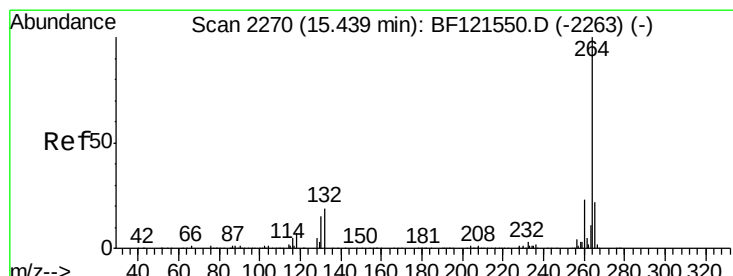
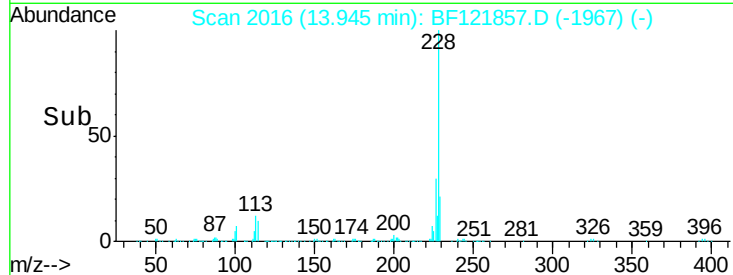
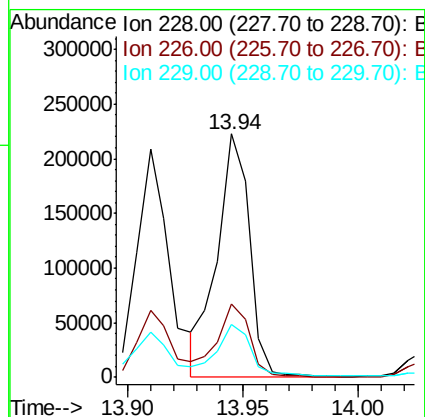
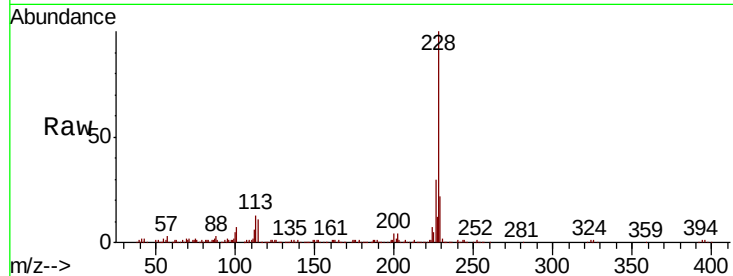




#83
Chrysene
Concen: 13.216 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

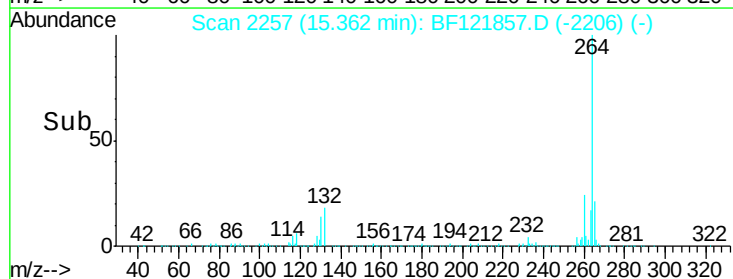
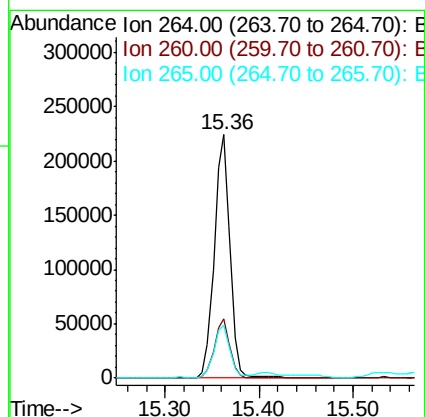
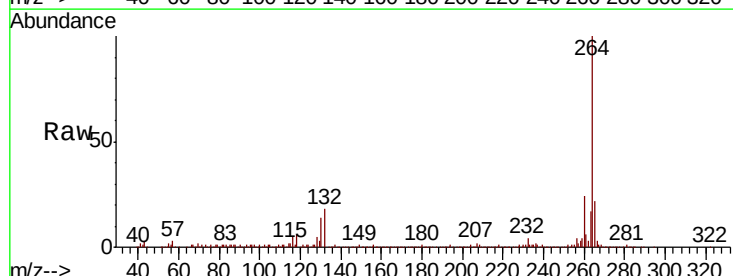
Instrument :
BNA_F
ClientSampleId :
2015

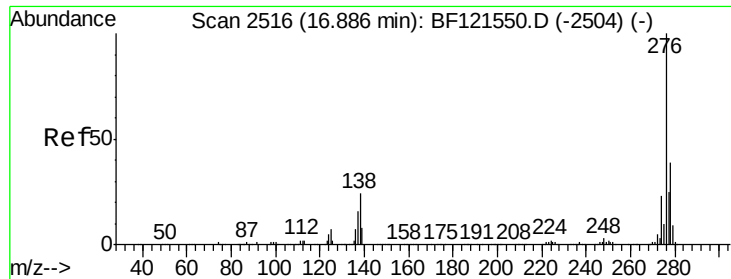
Tot Ion:228 Resp: 216471
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 21.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF121857.D
Acq: 6 Oct 2020 17:31

Tgt Ion:264 Resp: 267827
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.5 17.3 25.9

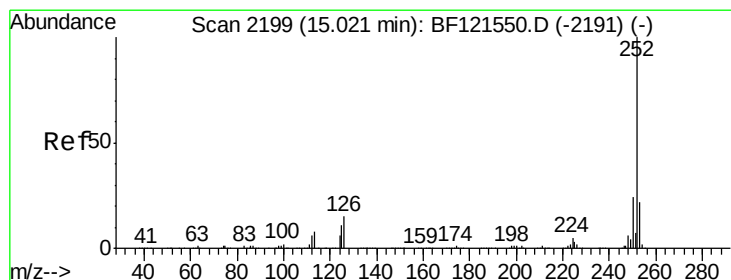
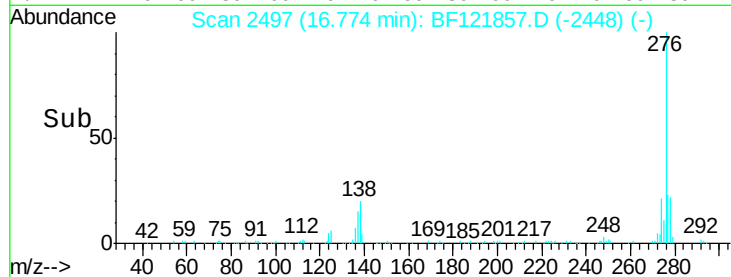
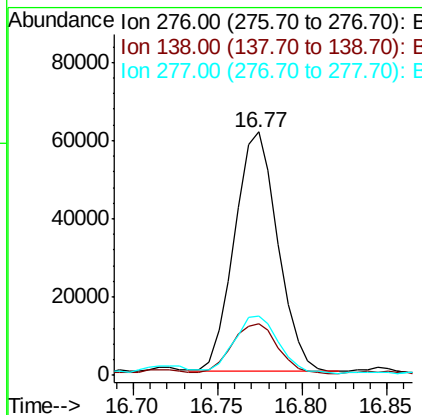
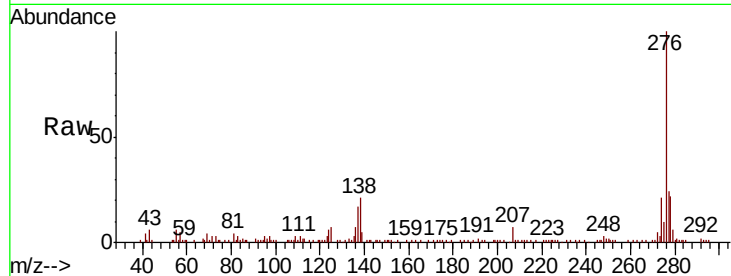




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.292 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BF121857.D
 Acq: 6 Oct 2020 17:31

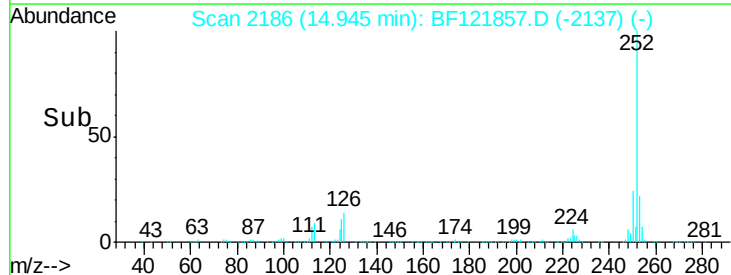
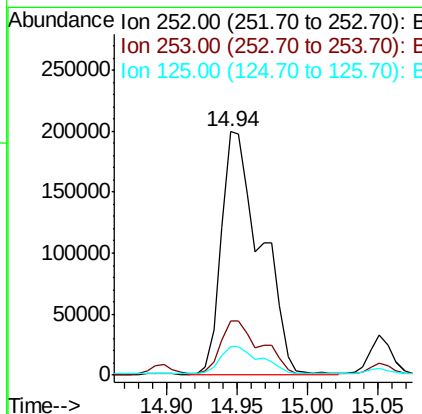
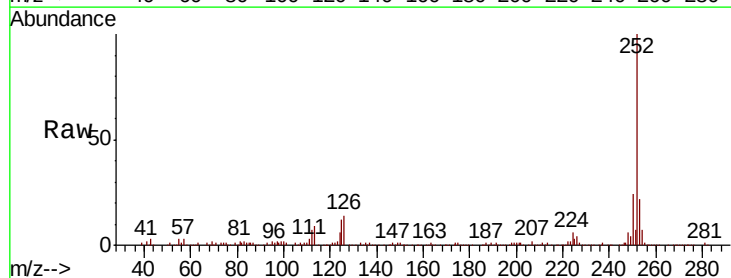
Instrument :
 BNA_F
 ClientSampleId :
 2015

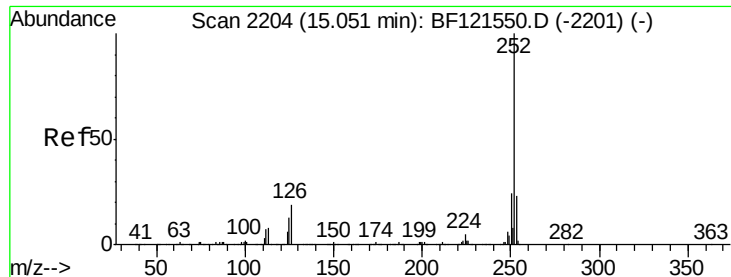
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.9	29.9
277	24.6	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 21.733 ng
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF121857.D
 Acq: 6 Oct 2020 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	11.9	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 23.732 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

Instrument :

BNA_F

ClientSampleId :

2015

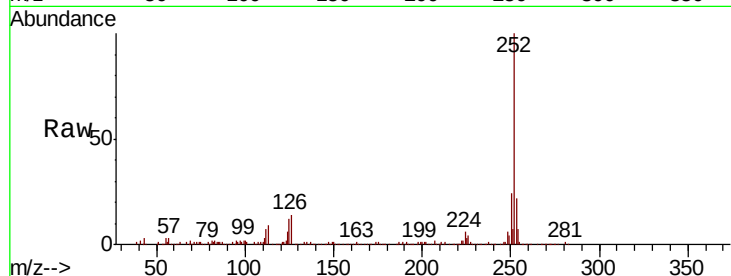
Tot Ion:252 Resp: 389116

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

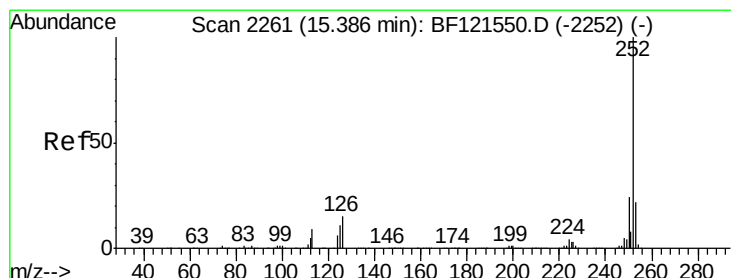
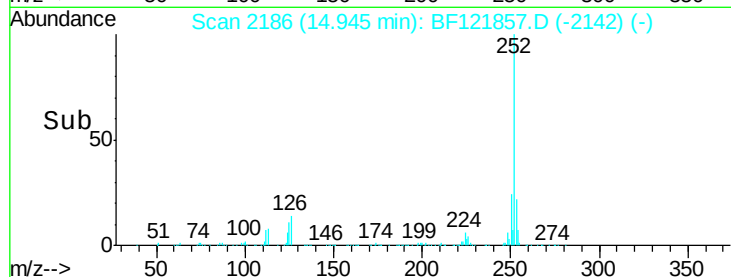
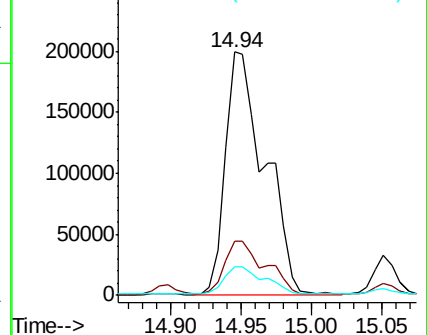
125 11.9 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 12.082 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF121857.D

Acq: 6 Oct 2020 17:31

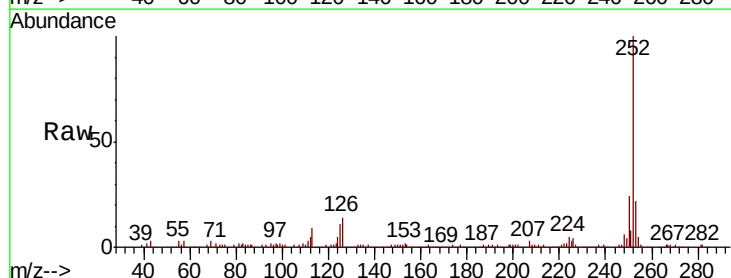
Tgt Ion:252 Resp: 183883

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

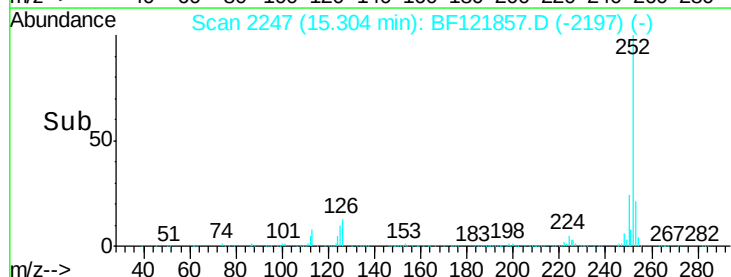
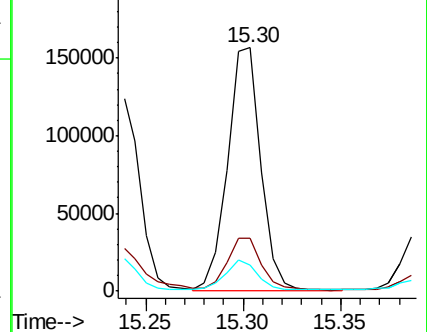
125 10.7 8.6 13.0

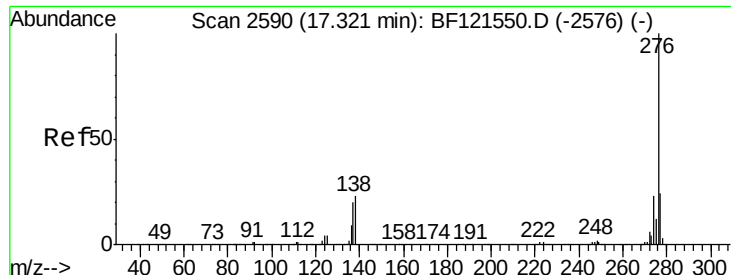


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 7.133 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. -0.01 min
 Lab File: BF121857.D
 Acq: 6 Oct 2020 17:31

Instrument :
 BNA_F
 ClientSampleId :
 2015

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.2
138	23.1	17.8	26.6

