

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121800.D
 Acq On : 2 Oct 2020 18:15
 Operator : JU/CG
 Sample : L4213-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15(3-4)

Quant Time: Oct 03 00:16:43 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	125954	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	474958	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	230003	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	385450	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	301067	20.00	ng	-0.01
86) Perylene-d12	15.36	264	275347	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	683980	80.70	ng	0.00
7) Phenol-d6	6.40	99	861848	77.51	ng	-0.01
23) Nitrobenzene-d5	7.33	82	584851	66.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	215545	75.40	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	980059	64.54	ng	-0.01
79) Terphenyl-d14	12.87	244	816894	54.97	ng	-0.01

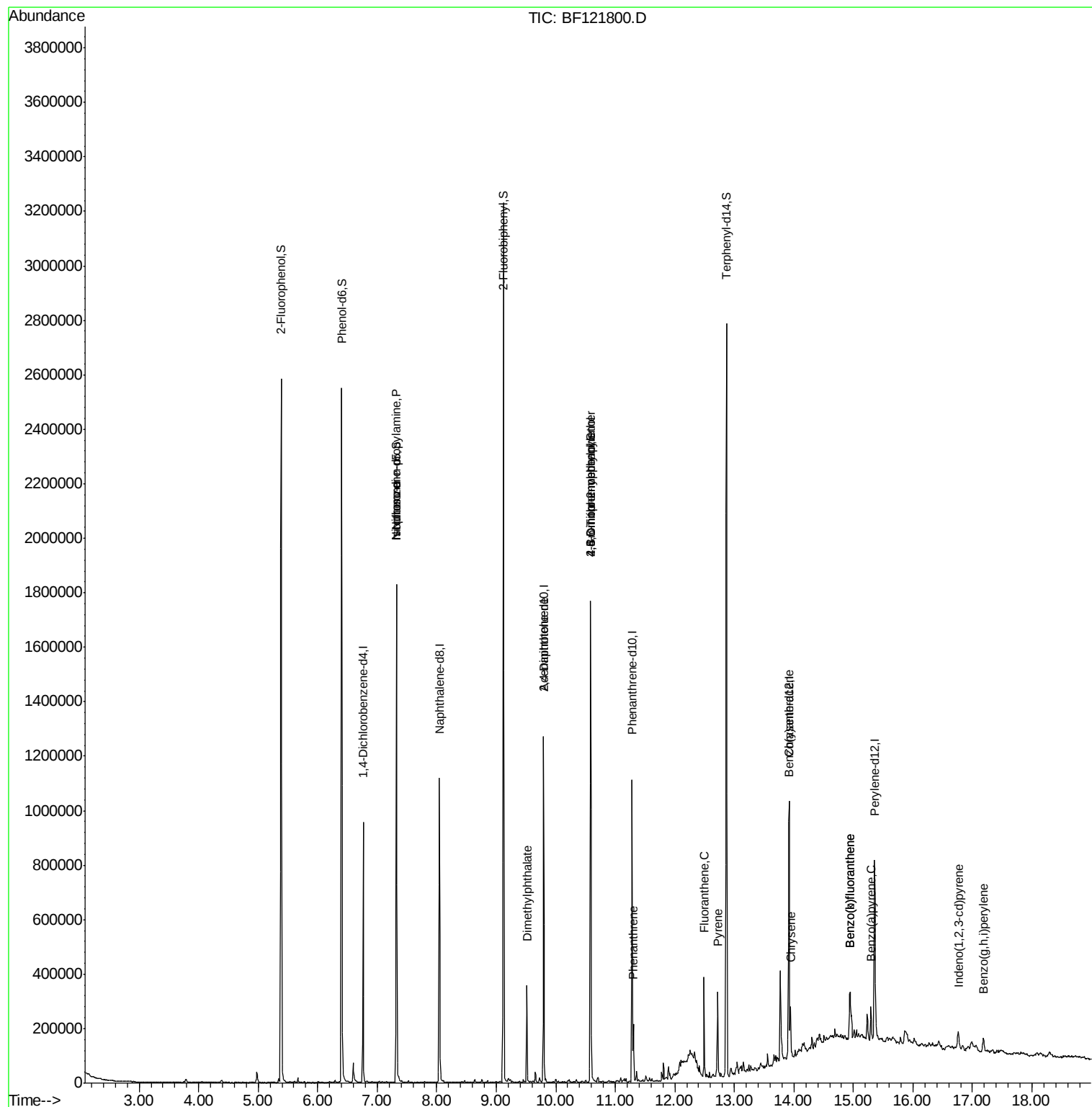
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	78722	12.284	ng	# 76
25) Isophorone	7.33	82	584847	32.843	ng	# 67
50) Dimethylphthalate	9.52	163	131522	7.890	ng	99
57) 2,4-Dinitrotoluene	9.80	165	29575	6.622	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	334	6.973	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	12579	2.866	ng	# 1
71) Phenanthrene	11.30	178	68468	3.260	ng	98
75) Fluoranthene	12.49	202	130022	5.800	ng	97
78) Pyrene	12.72	202	119720	5.443	ng	97
81) Benzo(a)anthracene	13.91	228	64111	3.366	ng	94
83) Chrysene	13.94	228	70026	3.631	ng	97
87) Indeno(1,2,3-cd)pyrene	16.76	276	38608	2.153	ng	94
88) Benzo(b)fluoranthene	14.94	252	118159	6.419	ng	# 97
89) Benzo(k)fluoranthene	14.94	252	118159	7.010	ng	# 96
90) Benzo(a)pyrene	15.29	252	59854	3.825	ng	# 94
92) Benzo(g,h,i)perylene	17.19	276	38355	2.614	ng	97

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

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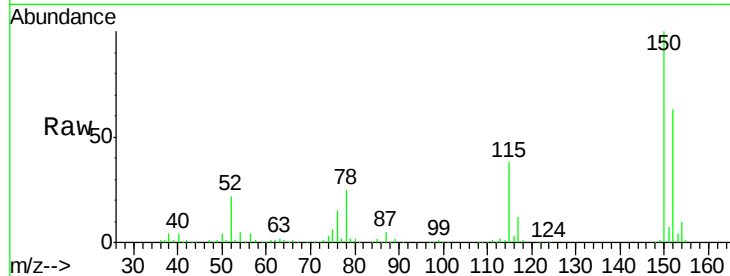


#1

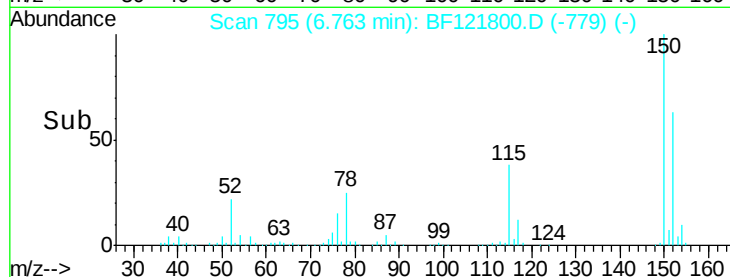
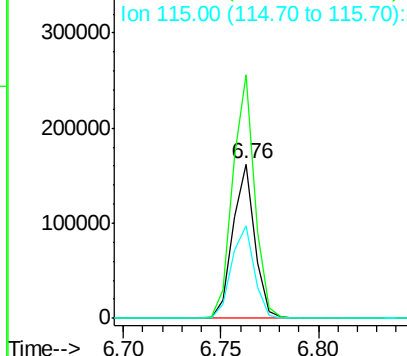
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Instrument :
BNA_F
ClientSampleId :
B-15(3-4)

Tot Ion:152 Resp: 125954
Ion Ratio Lower Upper
152 100
150 157.8 125.3 187.9
115 60.3 51.9 77.9



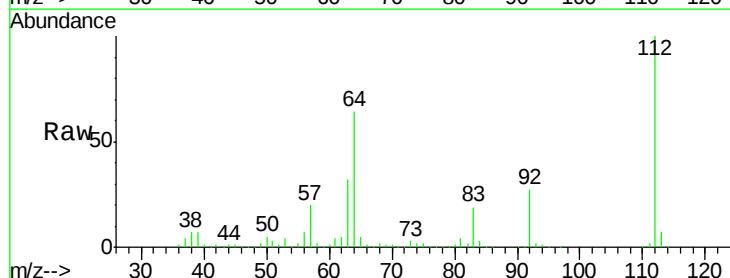
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



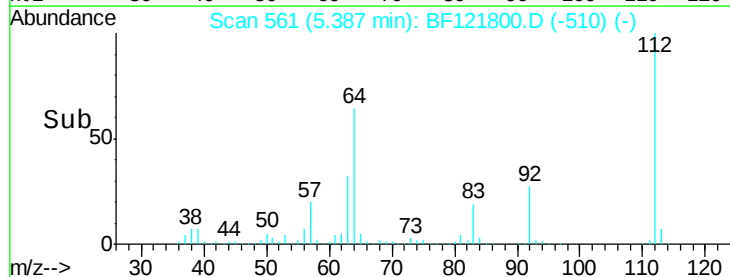
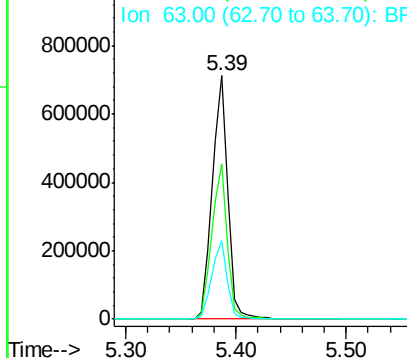
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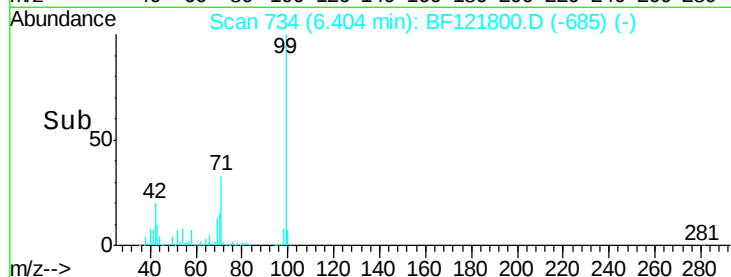
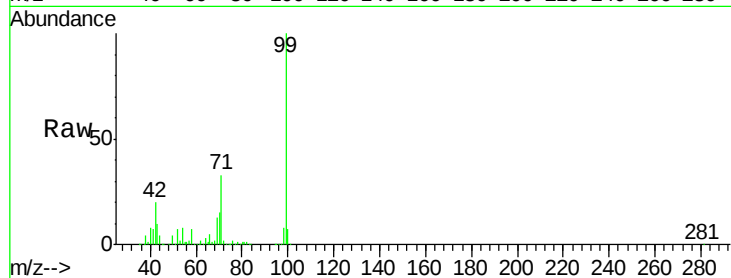
2-Fluorophenol
Concen: 80.702 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Tgt Ion:112 Resp: 683980
Ion Ratio Lower Upper
112 100
64 63.8 50.4 75.6
63 32.3 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: 77.510 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

Instrument :

BNA_F

ClientSampled :

B-15(3-4)

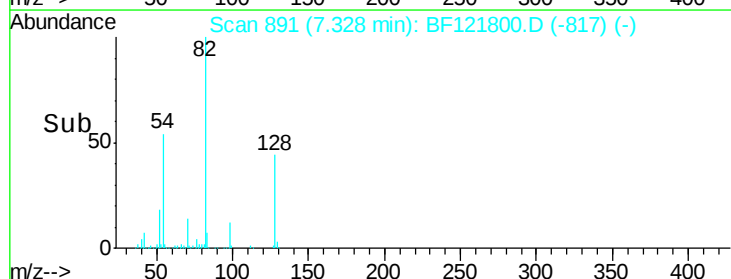
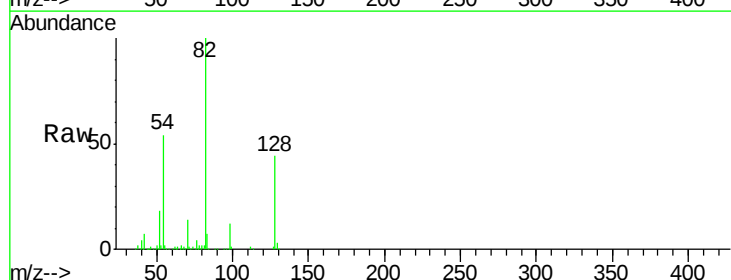
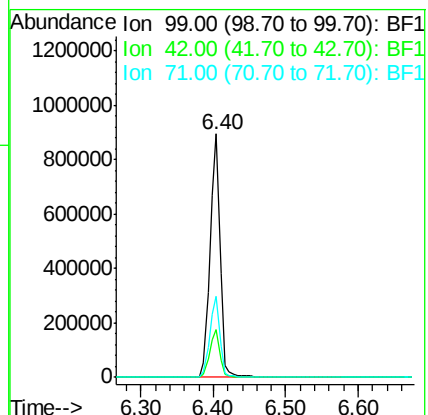
Tot Ion: 99 Resp: 861848

Ion Ratio Lower Upper

99 100

42 19.7 15.9 23.9

71 33.4 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.284 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

Tgt Ion: 70 Resp: 78722

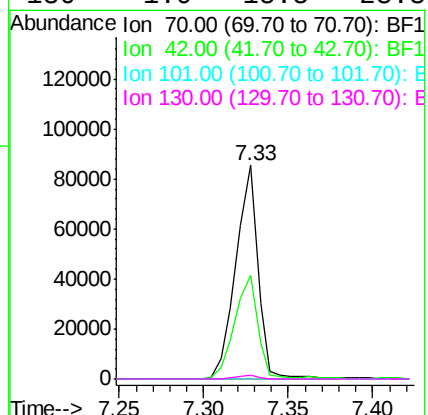
Ion Ratio Lower Upper

70 100

42 48.4 50.2 75.4#

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

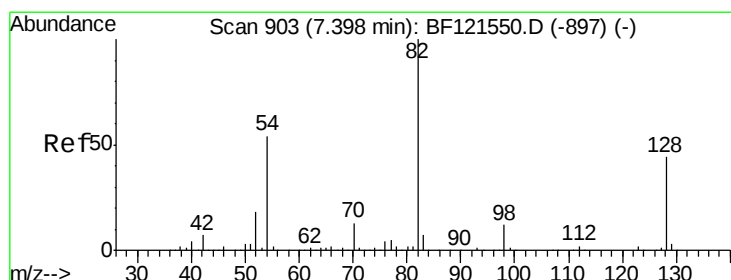
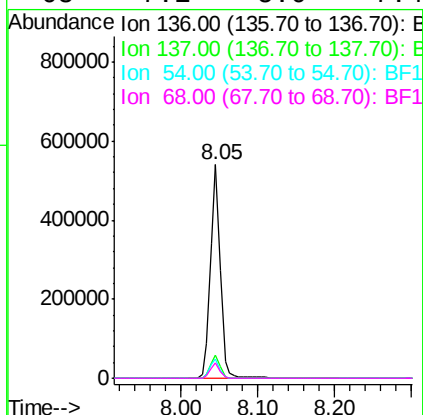
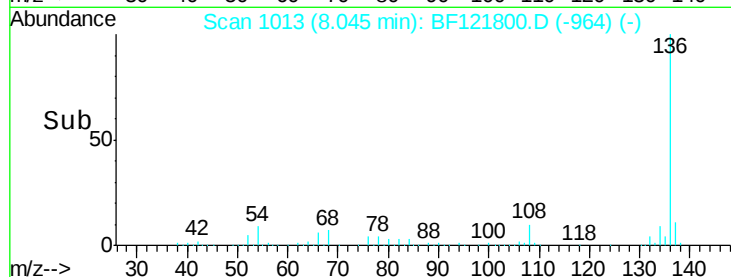
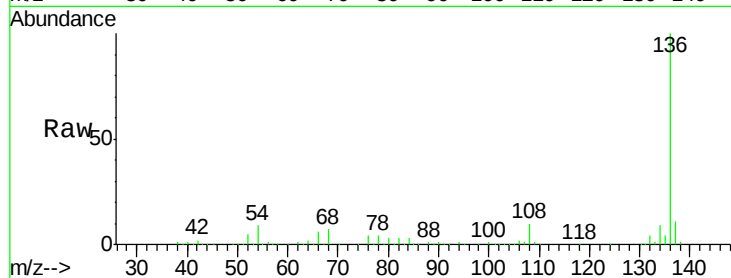




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

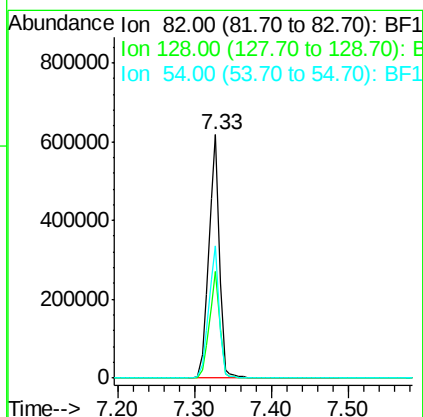
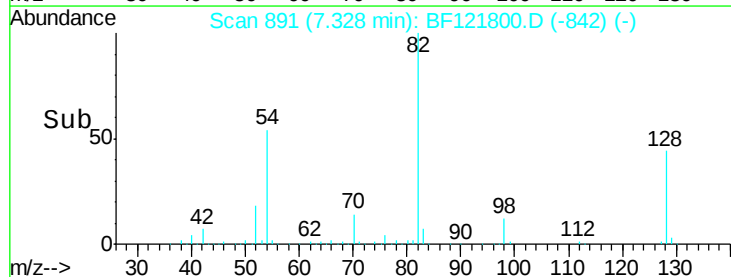
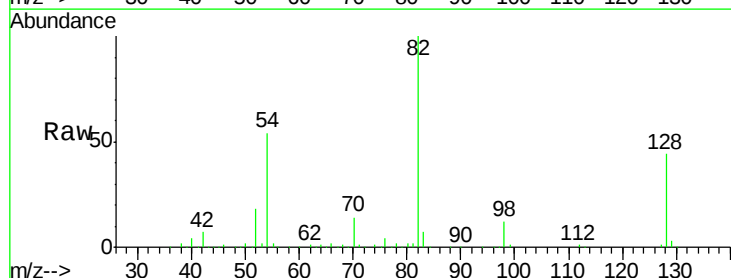
Instrument :
BNA_F
ClientSampleId :
B-15(3-4)

Tot Ion:136 Resp: 474958
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.2 7.1 10.7
68 7.1 5.0 7.4



#23
Nitrobenzene-d5
Concen: 66.115 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Tgt Ion: 82 Resp: 584851
Ion Ratio Lower Upper
82 100
128 43.5 35.0 52.4
54 54.5 43.9 65.9





#25

Isophorone

Concen: 32.843 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

Instrument :

BNA_F

ClientSampleId :

B-15(3-4)

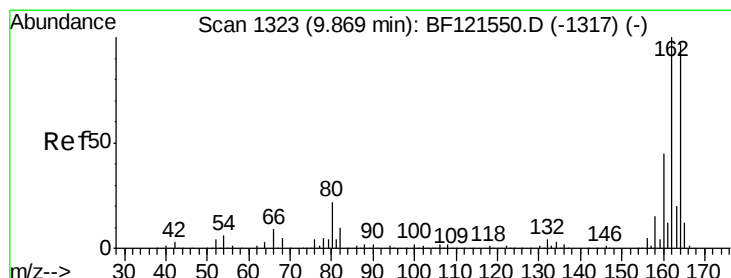
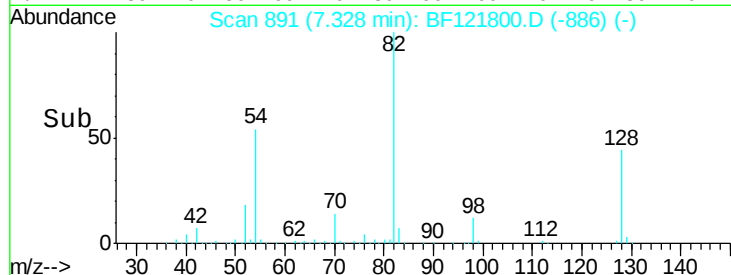
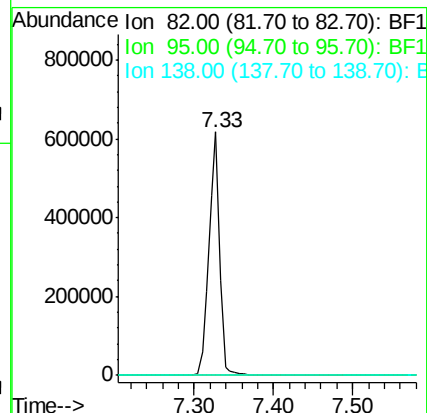
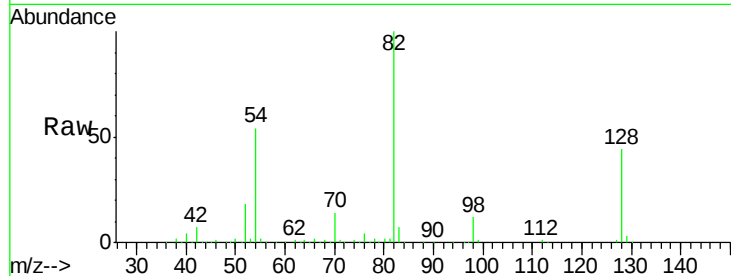
Tot Ion: 82 Resp: 584847

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.4 20.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

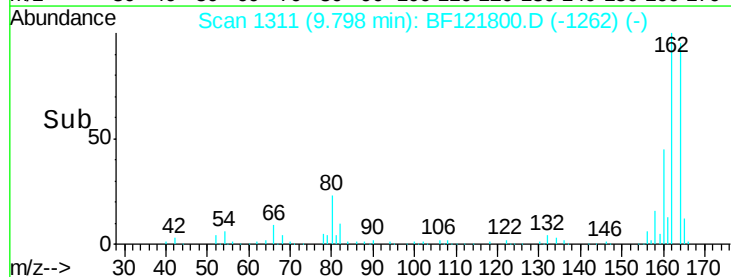
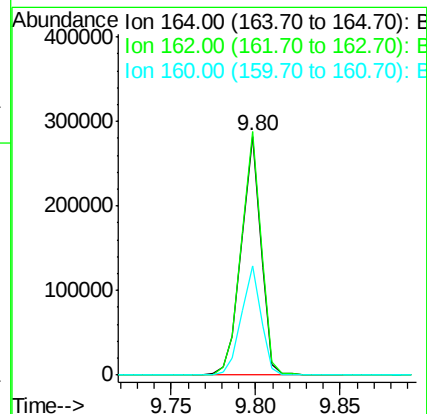
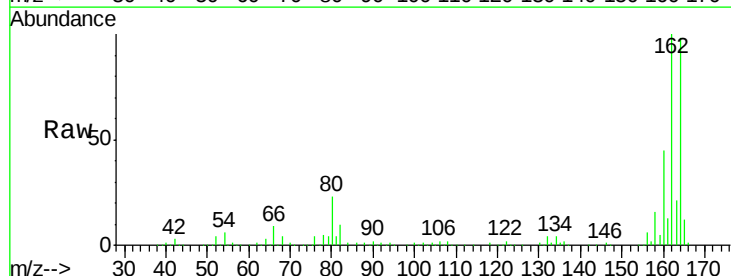
Tgt Ion: 164 Resp: 230003

Ion Ratio Lower Upper

164 100

162 102.0 83.2 124.8

160 45.9 37.5 56.3

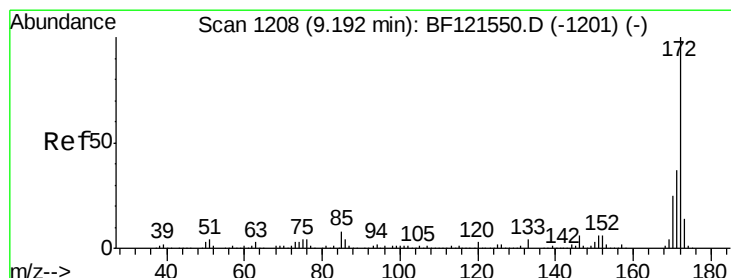
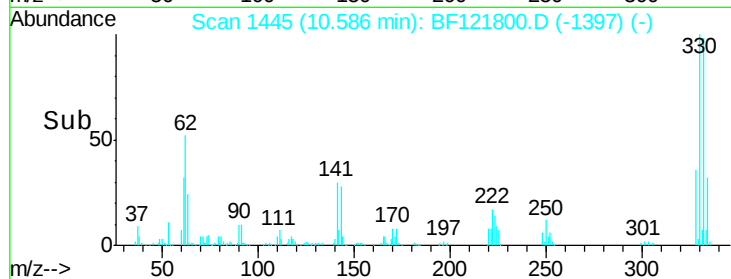
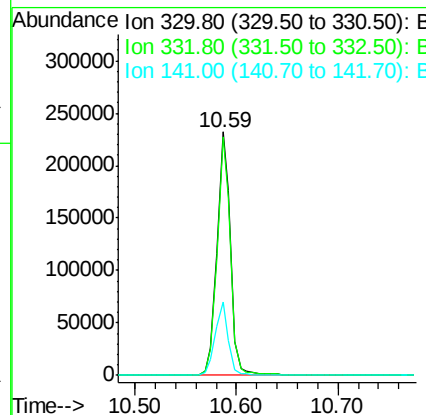
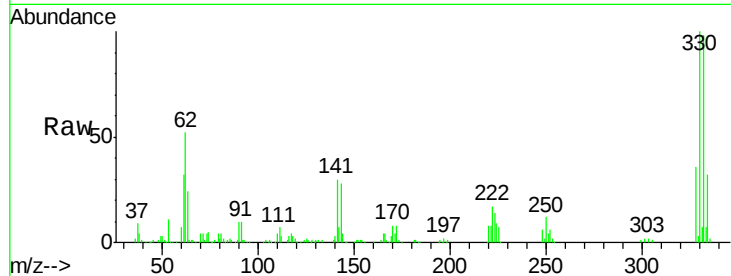




#42
 2,4,6-Tribromophenol
 Concen: 75.402 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121800.D
 Acq: 2 Oct 2020 18:15

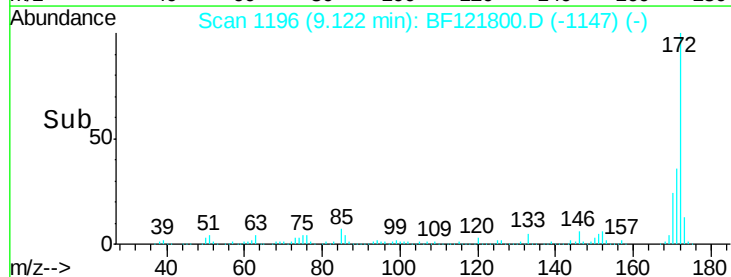
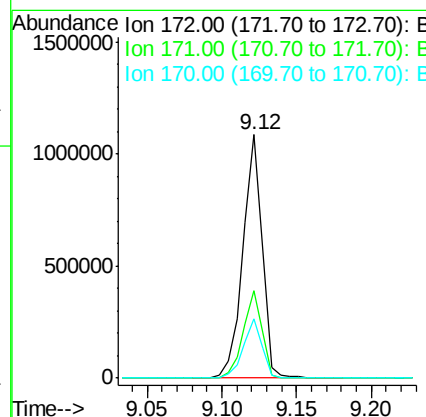
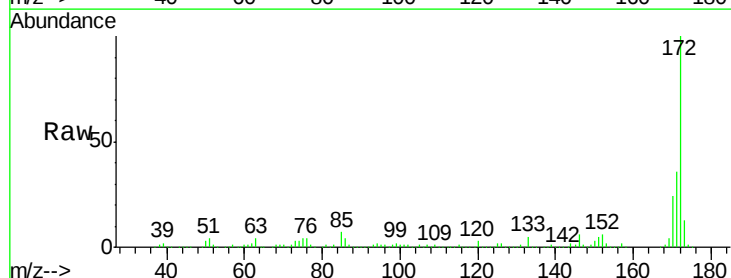
Instrument :
 BNA_F
 ClientSampleId :
 B-15(3-4)

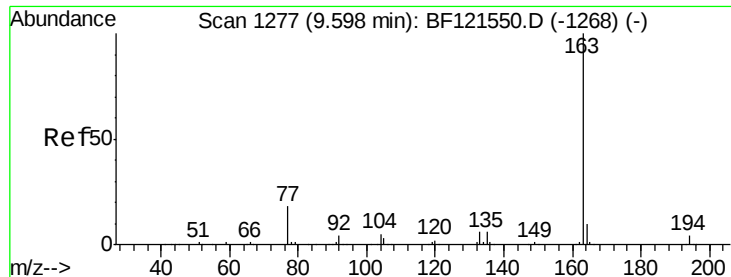
Tot Ion:330 Resp: 215545
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.3 115.9
 141 29.5 22.3 33.5



#45
 2-Fluorobiphenyl
 Concen: 64.535 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121800.D
 Acq: 2 Oct 2020 18:15

Tgt Ion:172 Resp: 980059
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.1 43.7
 170 24.3 19.8 29.6

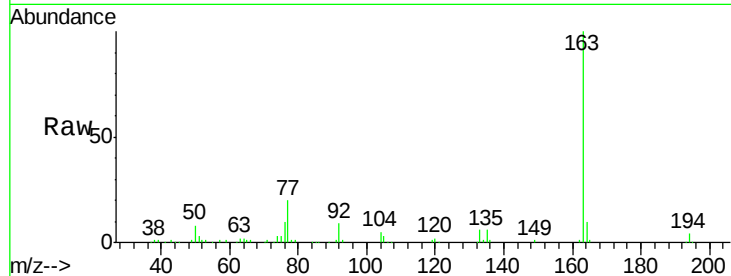




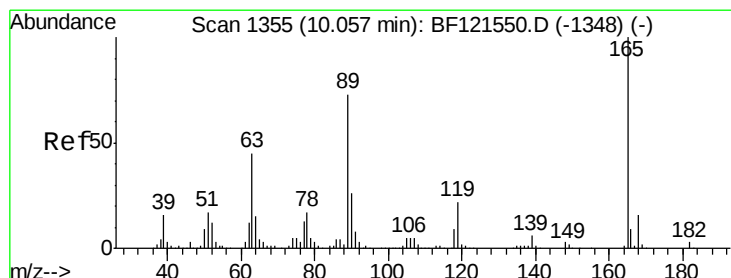
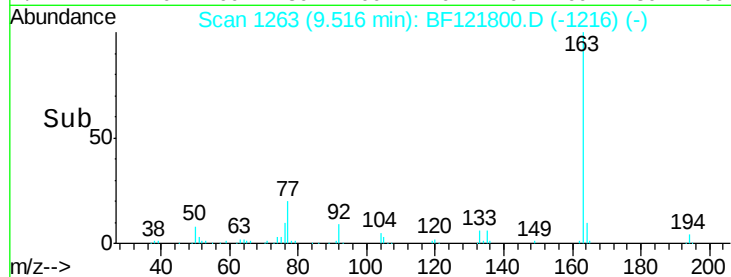
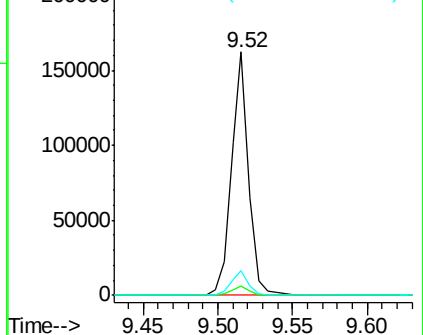
#50
Dimethylphthalate
Concen: 7.890 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Instrument :
BNA_F
ClientSampleId :
B-15(3-4)

Tot Ion:163 Resp: 131522
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 8.2 12.4

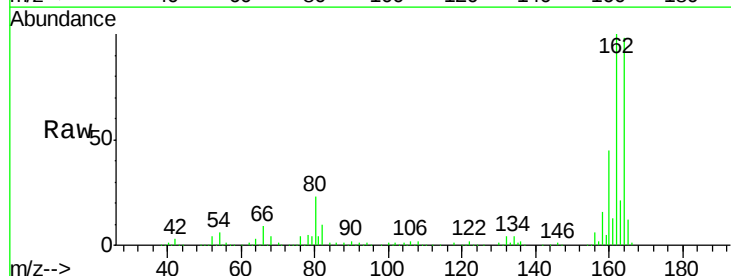


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

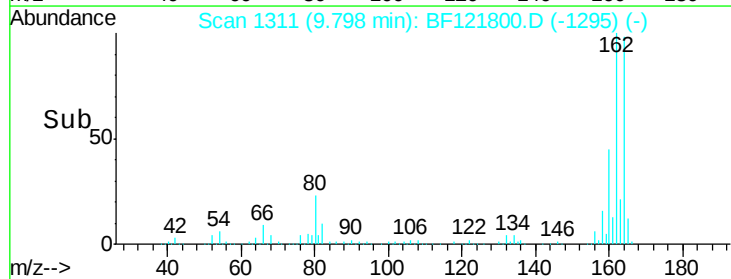
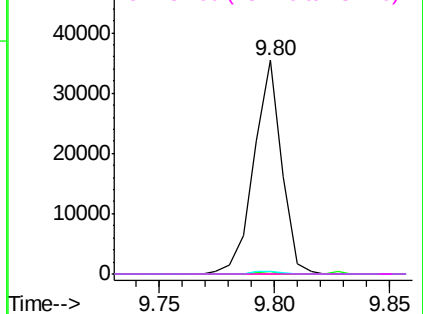


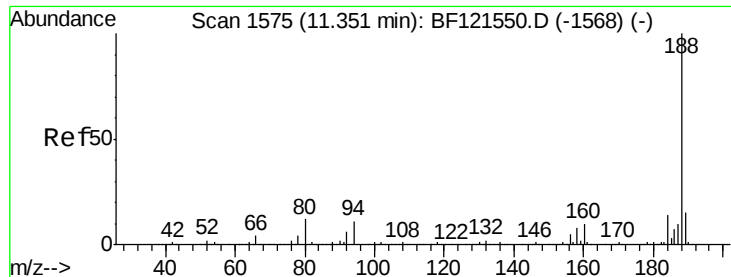
#57
2,4-Dinitrotoluene
Concen: 6.622 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Tgt Ion:165 Resp: 29575
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

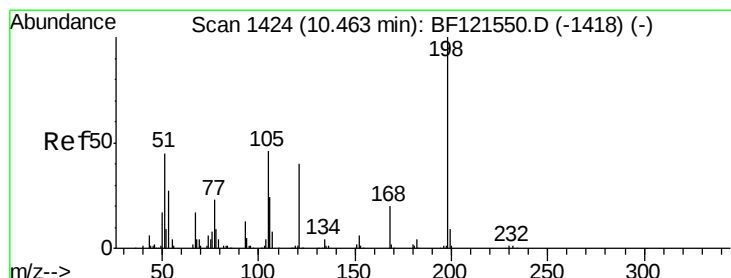
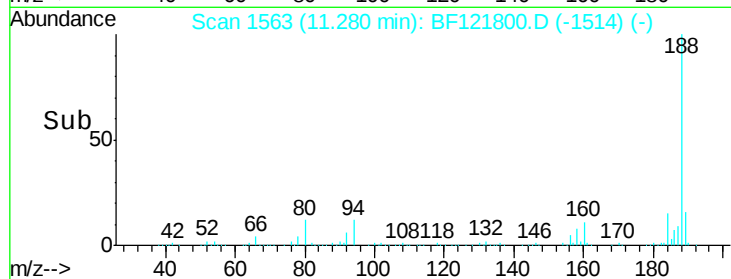
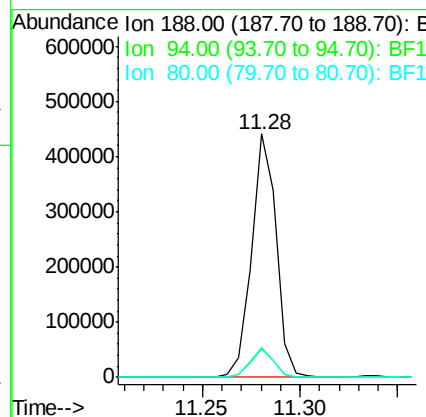
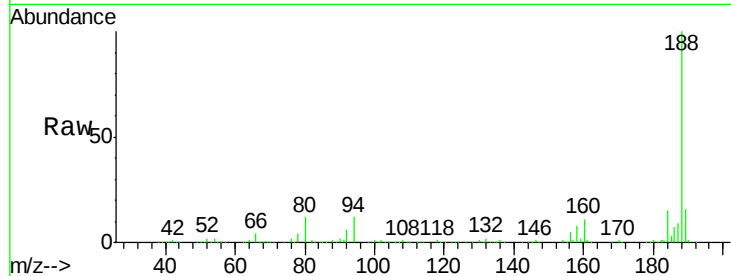




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121800.D
 Acq: 2 Oct 2020 18:15

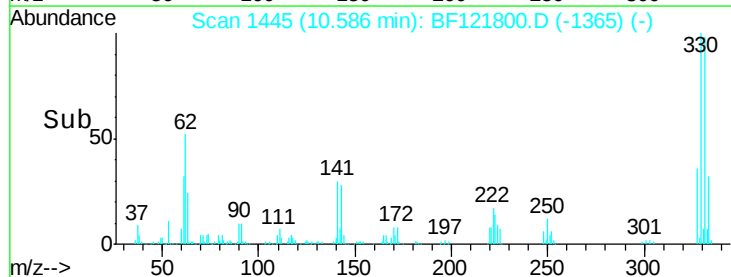
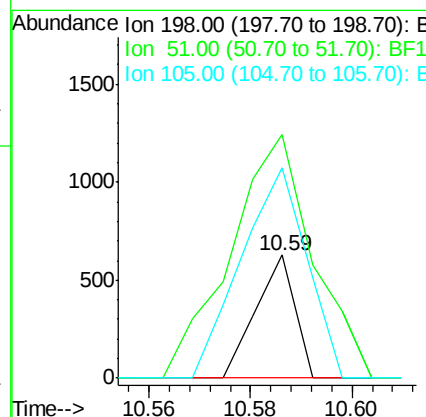
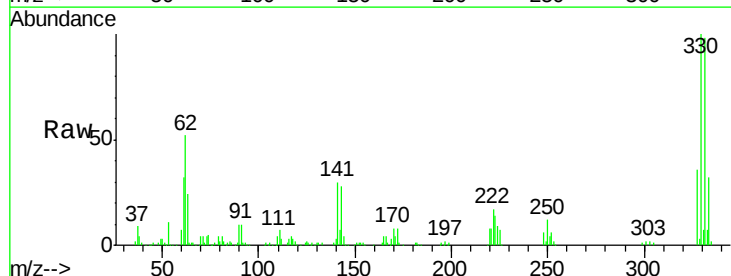
Instrument :
 BNA_F
 ClientSampled :
 B-15(3-4)

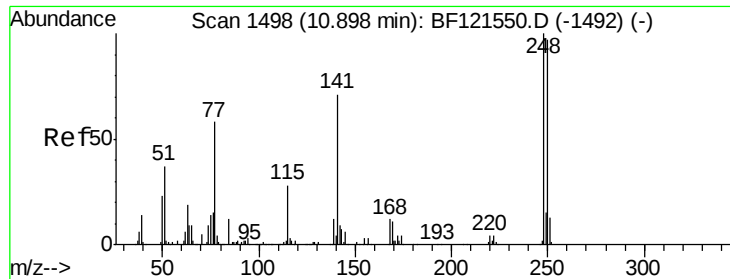
Tot Ion:188 Resp: 385450
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.3 12.5
 80 12.2 9.1 13.7



#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.973 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF121800.D
 Acq: 2 Oct 2020 18:15

Tgt Ion:198 Resp: 334
 Ion Ratio Lower Upper
 198 100
 51 197.6 29.6 69.6#
 105 170.7 24.4 64.4#

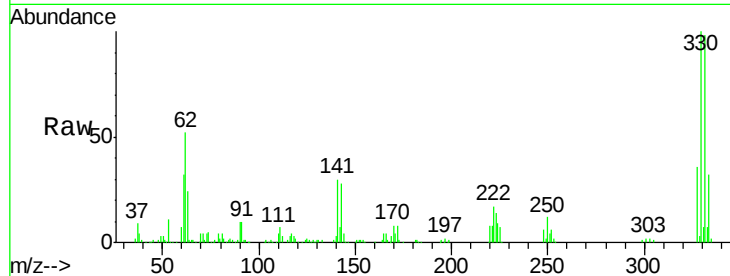




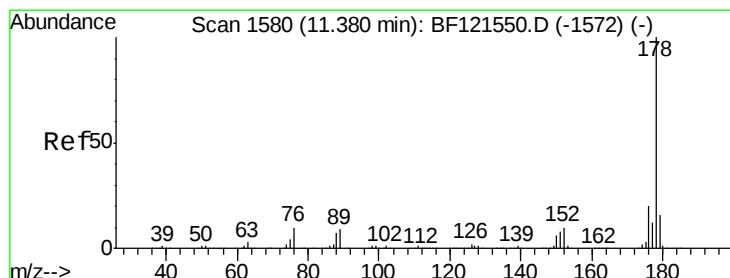
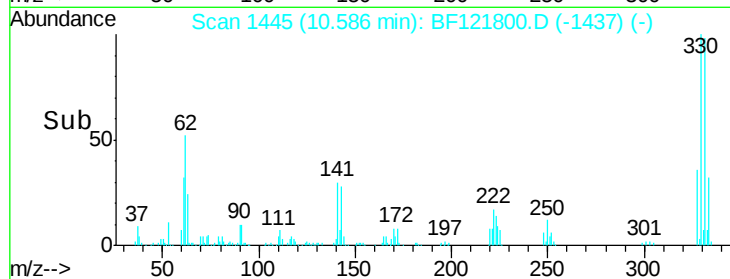
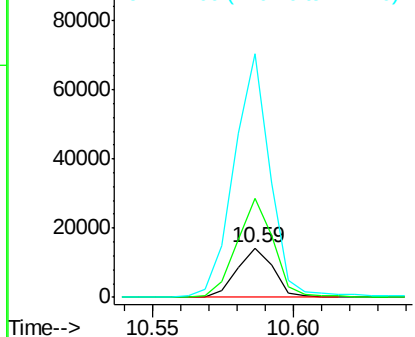
#67
 4-Bromophenyl-phenylether
 Concen: 2.866 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121800.D
 Acq: 2 Oct 2020 18:15

Instrument :
 BNA_F
 ClientSampleId :
 B-15(3-4)

Tot Ion:248 Resp: 12579
 Ion Ratio Lower Upper
 248 100
 250 200.8 77.0 115.6#
 141 496.0 53.7 80.5#

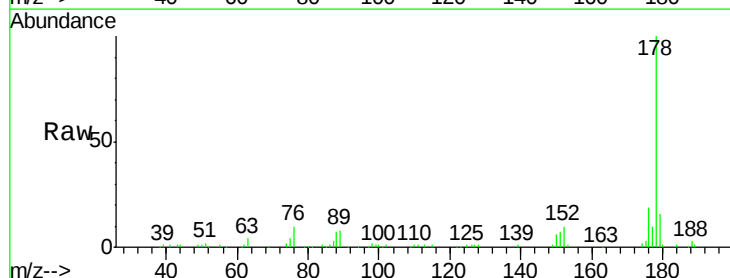


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

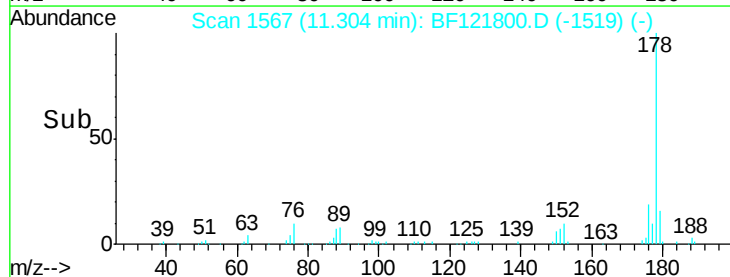
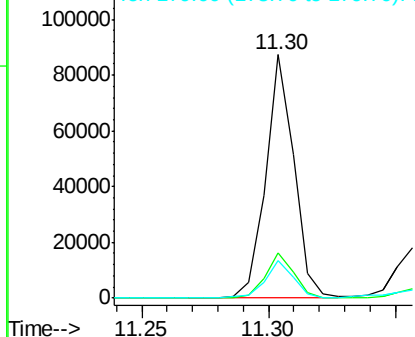


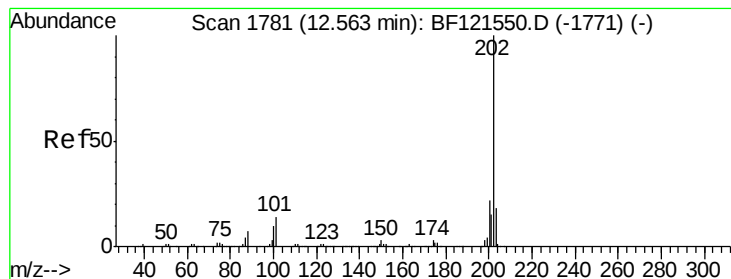
#71
 Phenanthrene
 Concen: 3.260 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF121800.D
 Acq: 2 Oct 2020 18:15

Tgt Ion:178 Resp: 68468
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.9 23.9
 179 15.5 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





#75

Fluoranthene

Concen: 5.800 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

Instrument :

BNA_F

ClientSampleId :

B-15(3-4)

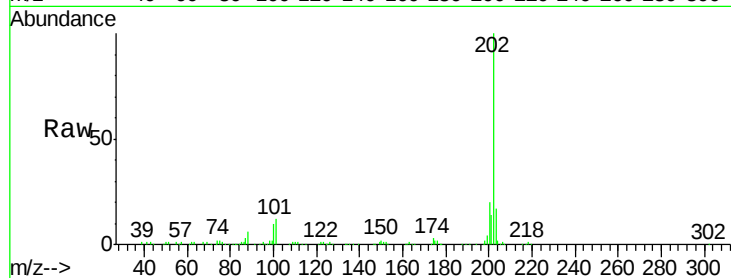
Tot Ion:202 Resp: 130022

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.4

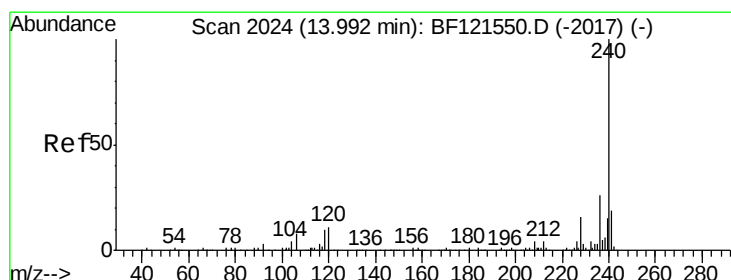
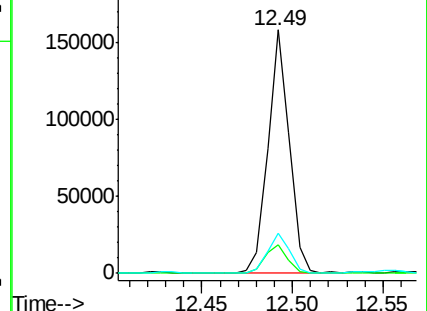
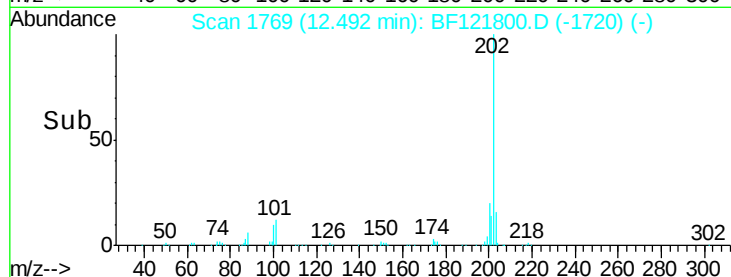
203 16.7 0.0 37.9



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: BF121800.D

Acq: 2 Oct 2020 18:15

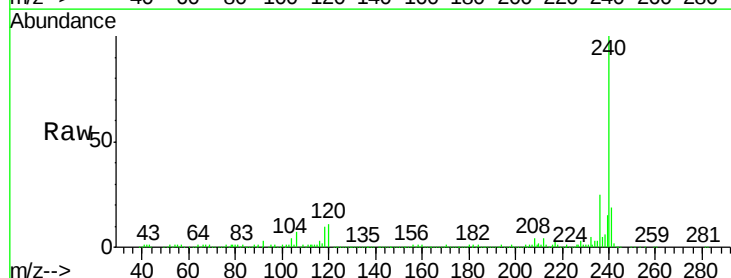
Tgt Ion:240 Resp: 301067

Ion Ratio Lower Upper

240 100

120 10.9 9.2 13.8

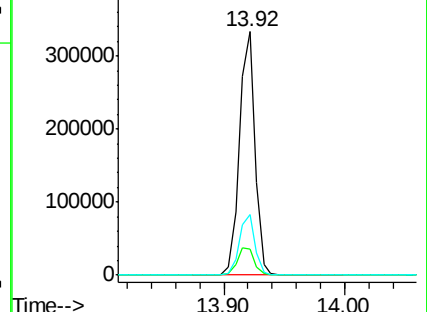
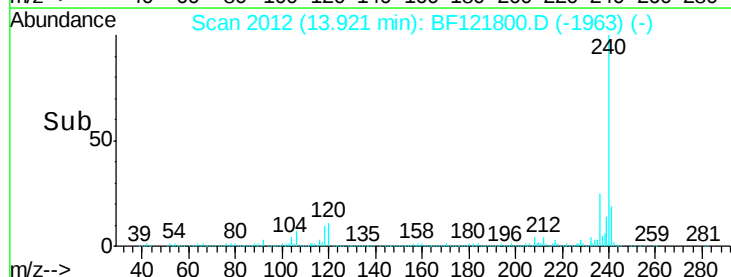
236 25.1 20.9 31.3

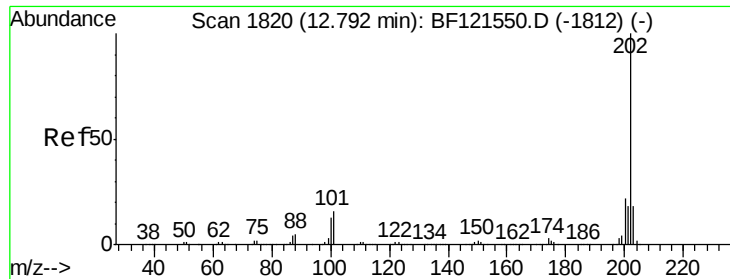


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

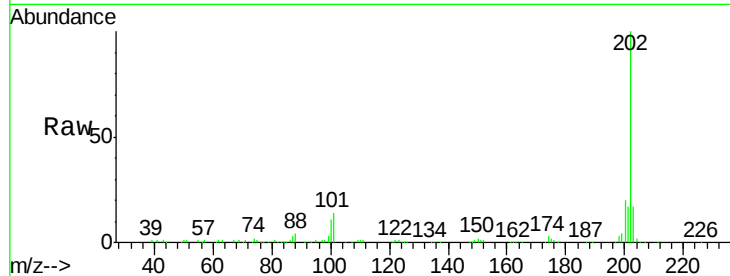




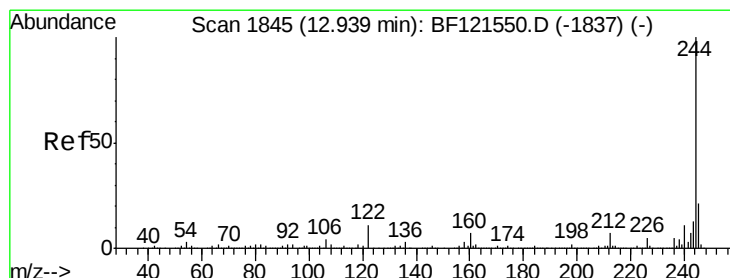
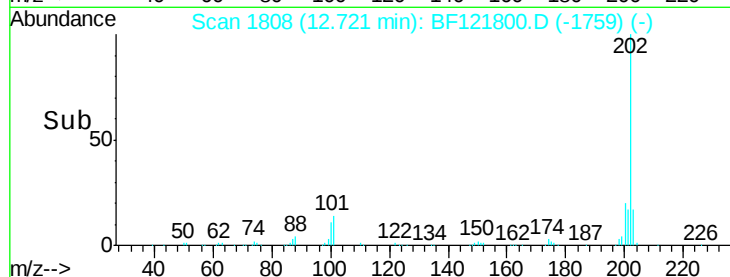
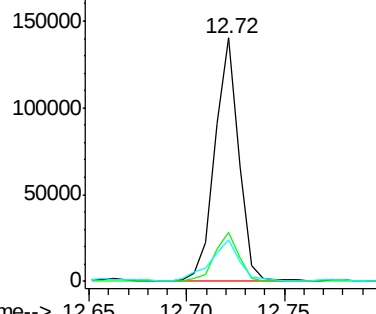
#78
Pvrene
Concen: 5.443 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Instrument :
BNA_F
ClientSampleId :
B-15(3-4)

Tot Ion:202 Resp: 119720
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 17.0 14.6 21.8

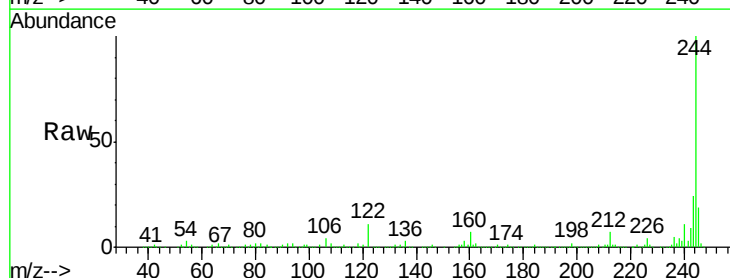


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

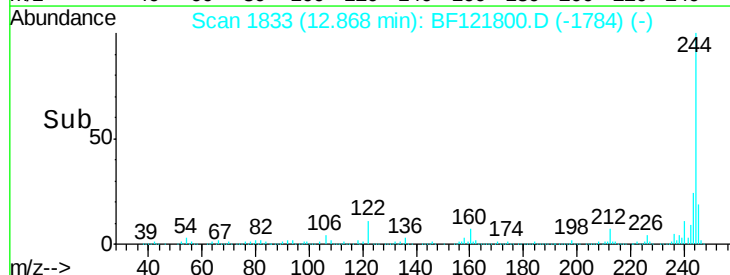
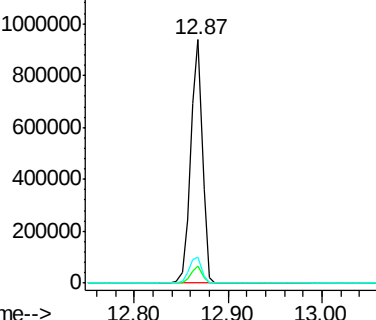


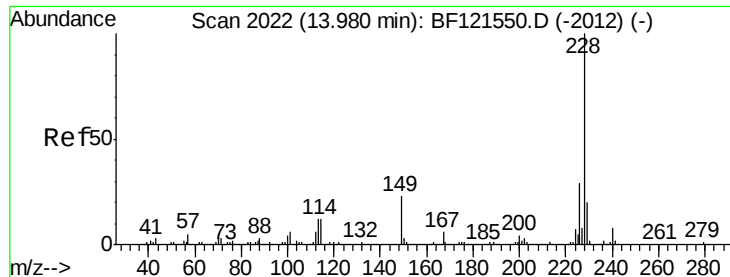
#79
Terphenyl-d14
Concen: 54.969 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Tgt Ion:244 Resp: 816894
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.9 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: 3.366 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

Instrument :

BNA_F

ClientSampleId :

B-15(3-4)

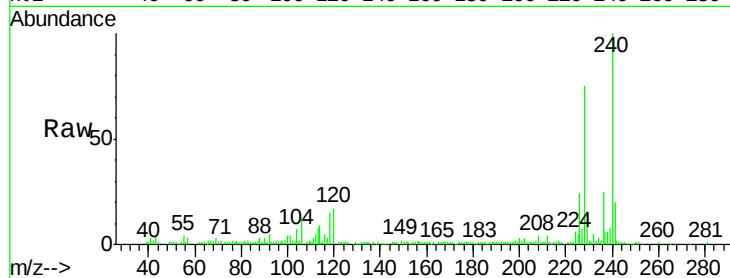
Tot Ion:228 Resp: 64111

Ion Ratio Lower Upper

228 100

226 32.1 22.3 33.5

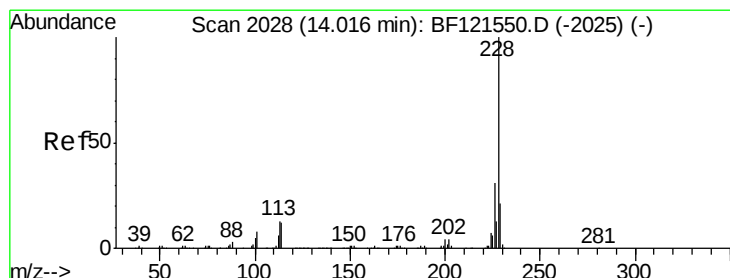
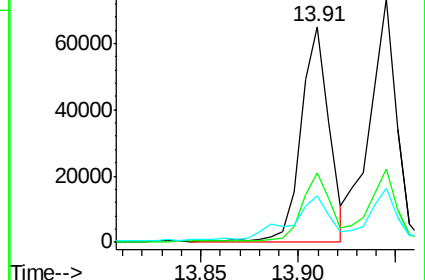
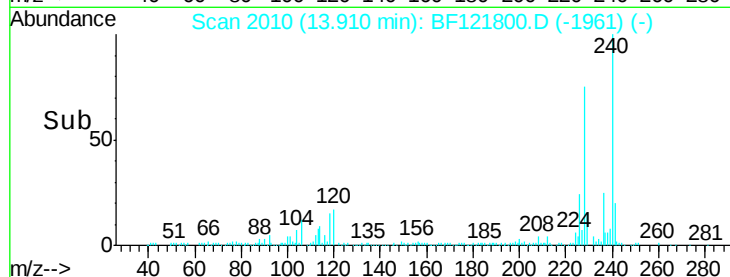
229 21.3 16.2 24.4



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: 3.631 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

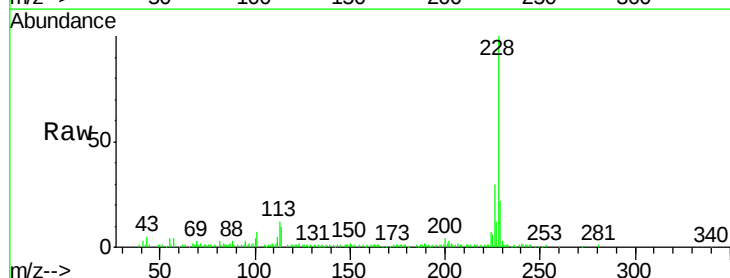
Tgt Ion:228 Resp: 70026

Ion Ratio Lower Upper

228 100

226 29.9 24.6 37.0

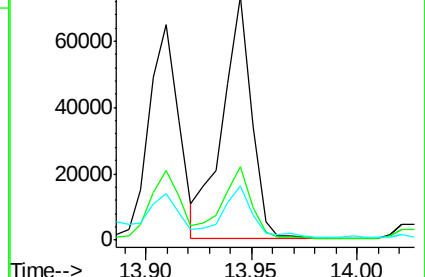
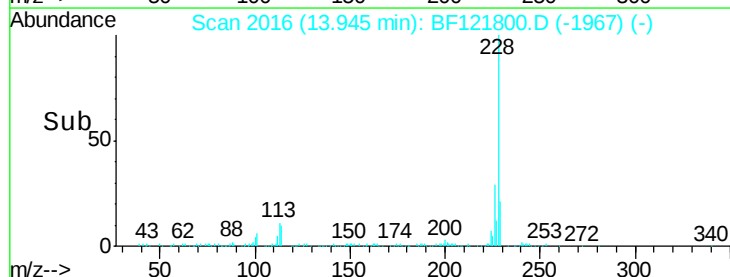
229 22.1 15.9 23.9

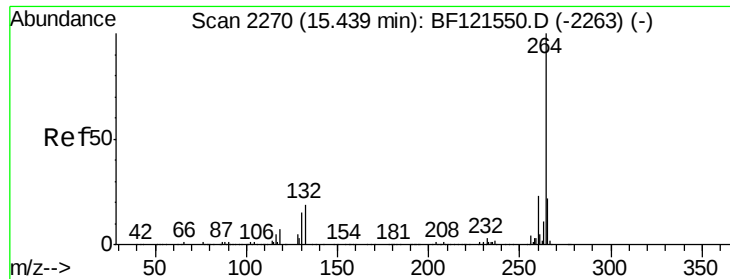


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

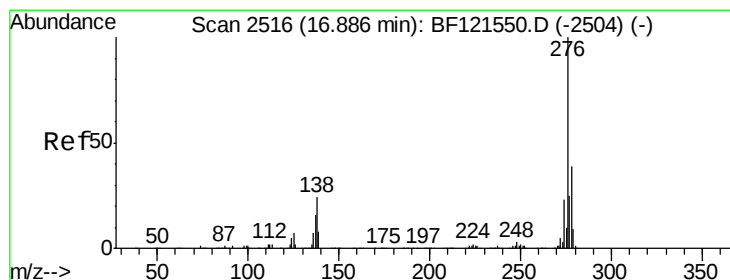
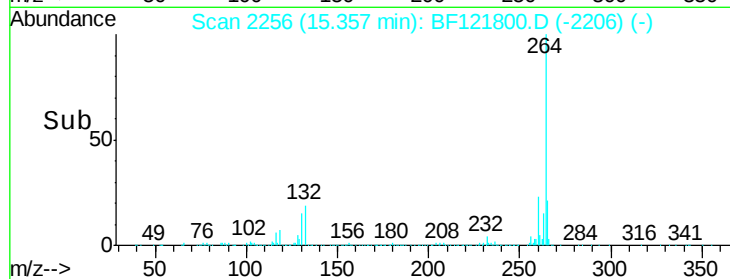
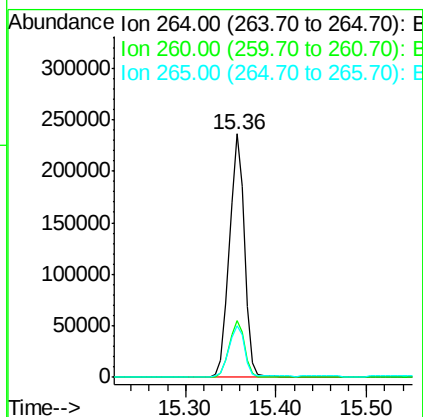
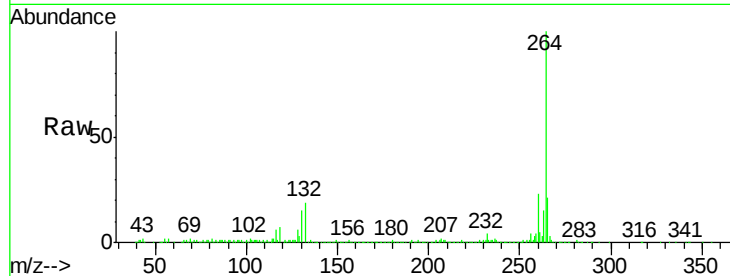




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

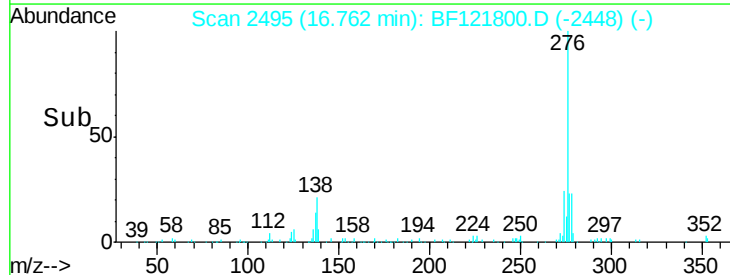
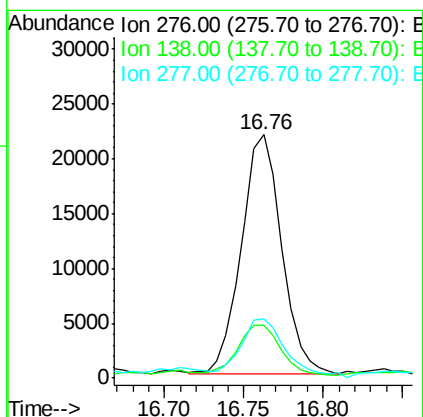
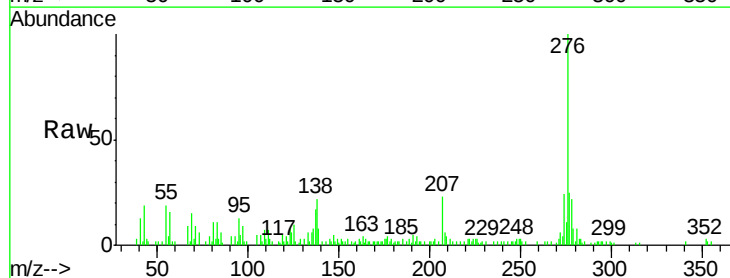
Instrument :
BNA_F
ClientSampleId :
B-15(3-4)

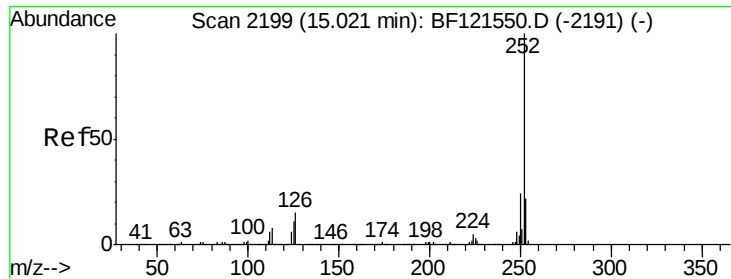
Tot Ion:264 Resp: 275347
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.2 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.153 ng
RT: 16.76 min Scan# 2495
Delta R.T. -0.02 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Tgt Ion:276 Resp: 38608
Ion Ratio Lower Upper
276 100
138 21.7 19.9 29.9
277 28.5 20.4 30.6

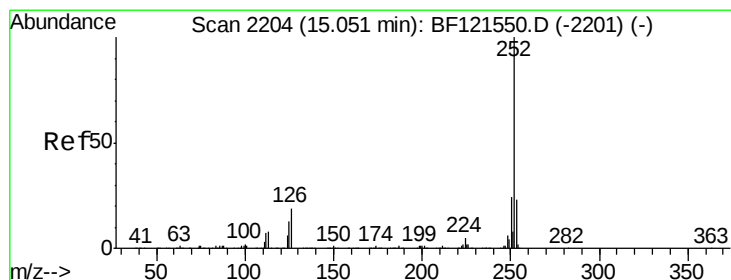
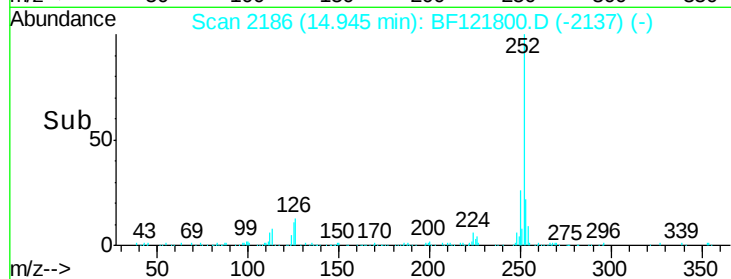
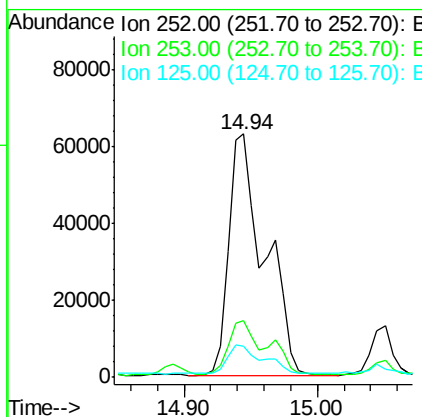
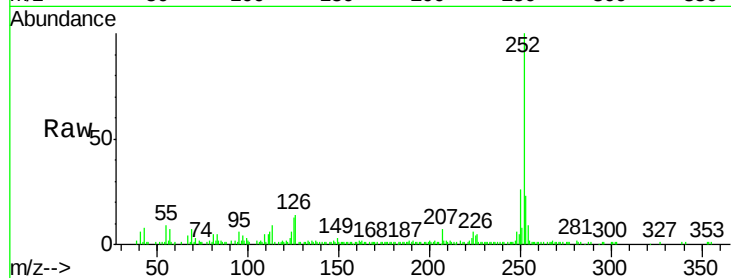




#88
Benzo(b)fluoranthene
Concen: 6.419 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

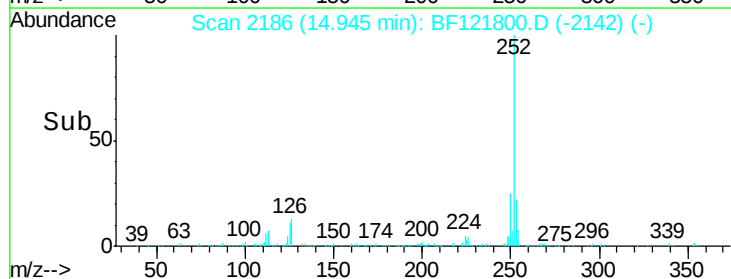
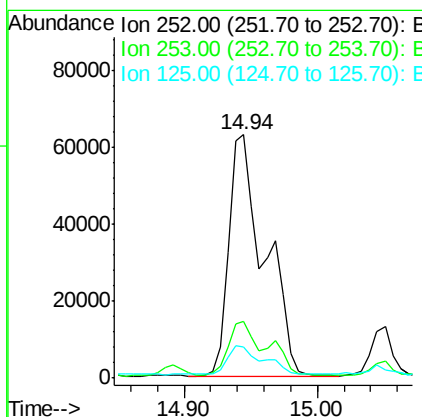
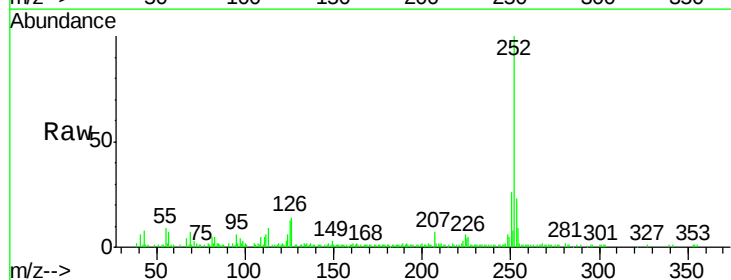
Instrument :
BNA_F
ClientSampleId :
B-15(3-4)

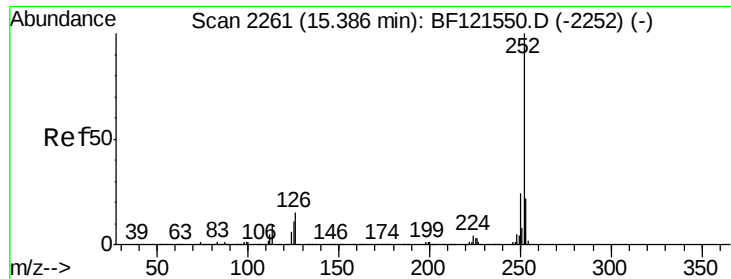
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	12.7	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 7.010 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF121800.D
Acq: 2 Oct 2020 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	12.7	7.7	11.5#





#90

Benzo(a)pyrene

Concen: 3.825 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

Instrument :

BNA_F

ClientSampleId :

B-15(3-4)

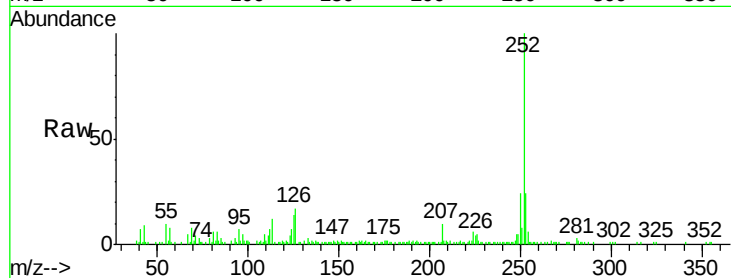
Tot Ion:252 Resp: 59854

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

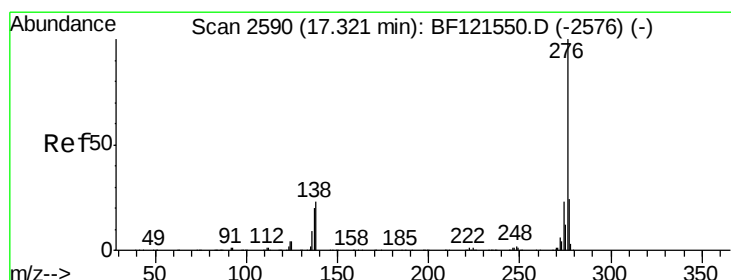
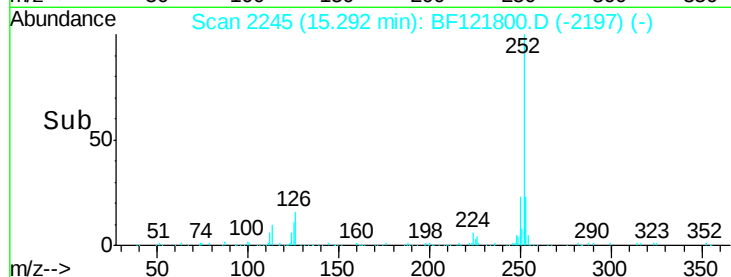
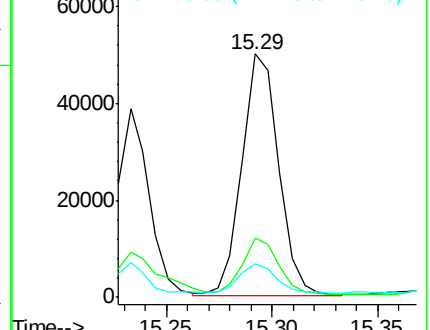
125 13.6 8.6 13.0#



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(g,h,i)perylene

Concen: 2.614 ng

RT: 17.19 min Scan# 2567

Delta R.T. -0.02 min

Lab File: BF121800.D

Acq: 2 Oct 2020 18:15

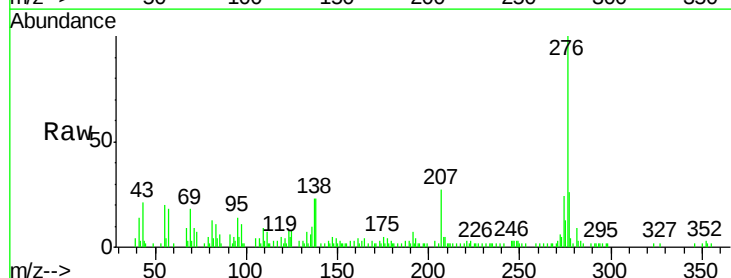
Tgt Ion:276 Resp: 38355

Ion Ratio Lower Upper

276 100

277 26.0 19.4 29.2

138 23.3 17.8 26.6



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

