

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092220\
 Data File : BF121662.D
 Acq On : 23 Sep 2020 2:33
 Operator : JU/CG
 Sample : L4100-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 024

Quant Time: Sep 23 05:24:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	161307	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	632871	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	325569	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	574202	20.00	ng	0.00
76) Chrysene-d12	13.97	240	349301	20.00	ng	-0.01
86) Perylene-d12	15.43	264	322148	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1001338	92.25	ng	0.00
7) Phenol-d6	6.45	99	1309617	91.97	ng	0.00
23) Nitrobenzene-d5	7.37	82	897094	76.11	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	405721	100.27	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1534779	71.40	ng	0.00
79) Terphenyl-d14	12.92	244	1391720	80.72	ng	0.00

Target Compounds

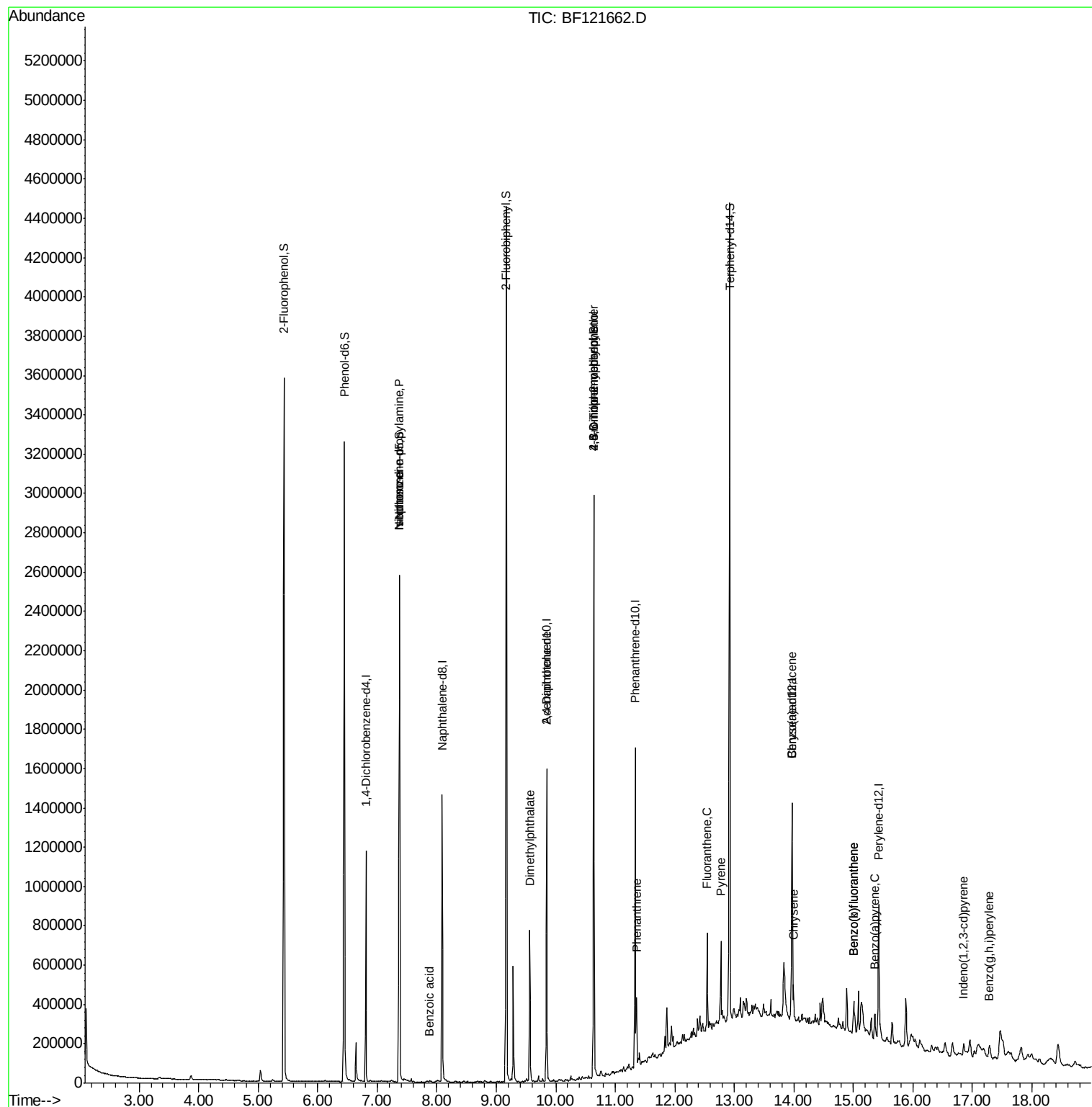
						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	119980	14.619	ng	# 80
25) Isophorone	7.37	82	884285	37.268	ng	# 67
32) Benzoic acid	7.89	122	152	6.952	ng	# 36
50) Dimethylphthalate	9.56	163	280898	11.904	ng	100
57) 2,4-Dinitrotoluene	9.85	165	41141	6.507	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.64	198	649	7.010	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	23793	3.639	ng	# 1
71) Phenanthrene	11.36	178	115000	3.676	ng	99
75) Fluoranthene	12.54	202	192451	5.763	ng	99
78) Pyrene	12.77	202	180840	7.086	ng	97
81) Benzo(a)anthracene	13.96	228	75913	3.435	ng	96
83) Chrysene	14.00	228	76787	3.431	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	43604	2.078	ng	96
88) Benzo(b)fluoranthene	15.00	252	111403	5.173	ng	# 96
89) Benzo(k)fluoranthene	15.00	252	111403	5.649	ng	# 97
90) Benzo(a)pyrene	15.36	252	60602	3.310	ng	# 94
92) Benzo(a,h,i)perylene	17.29	276	43706	2.546	ng	97

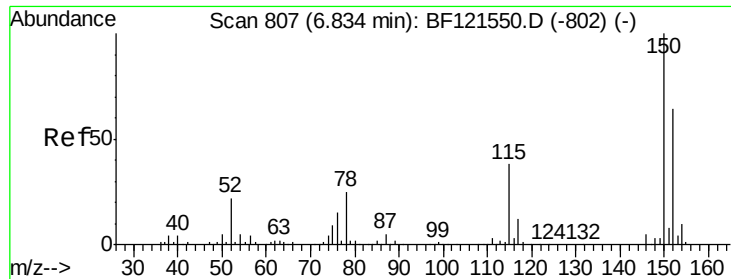
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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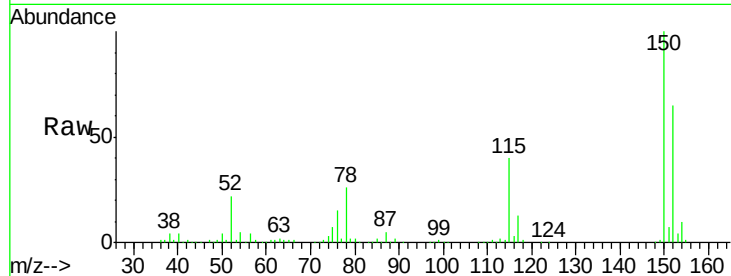


#1

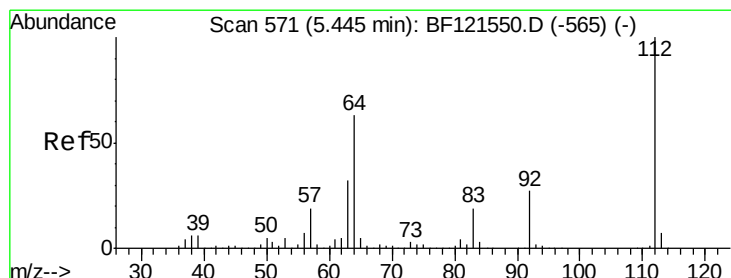
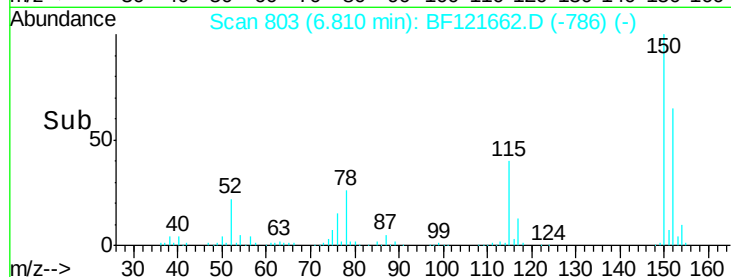
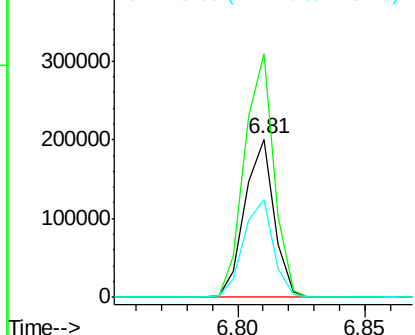
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampleId :
024

Tot Ion:152 Resp: 161307
Ion Ratio Lower Upper
152 100
150 153.8 128.1 192.1
115 61.5 52.6 79.0



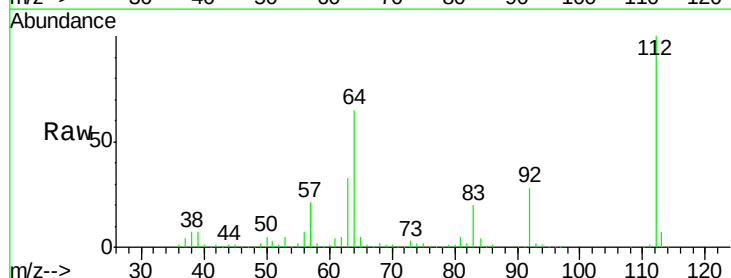
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



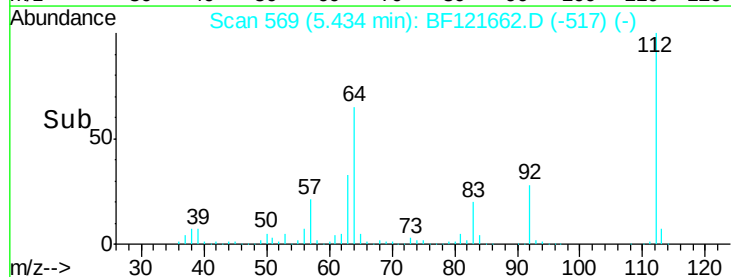
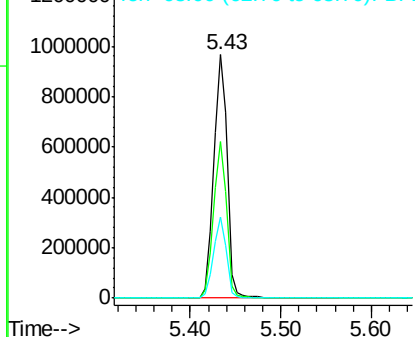
#5

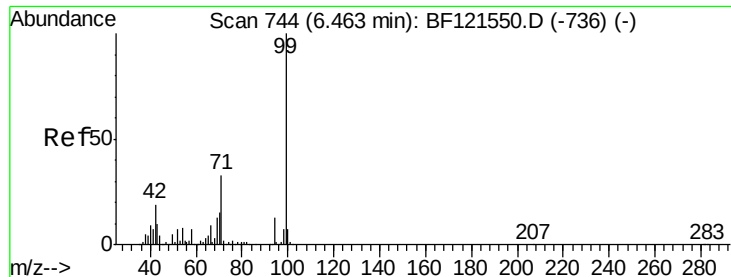
2-Fluorophenol
Concen: 92.254 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion:112 Resp: 1001338
Ion Ratio Lower Upper
112 100
64 64.6 52.2 78.2
63 33.2 26.6 39.8



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: 91.967 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

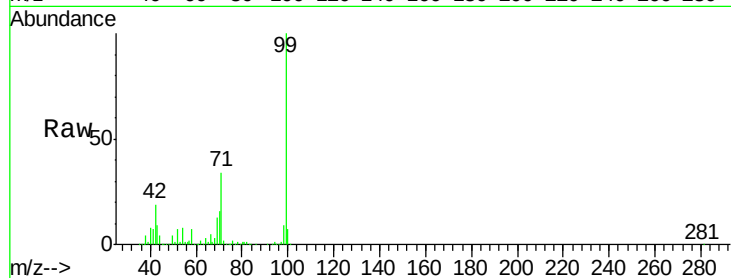
BNA_F

ClientSampleId :

024

Tot Ion: 99 Resp: 1309617

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.5	23.3
71	34.1	27.4	41.2

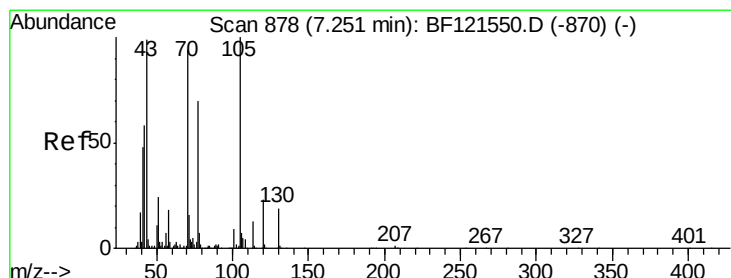
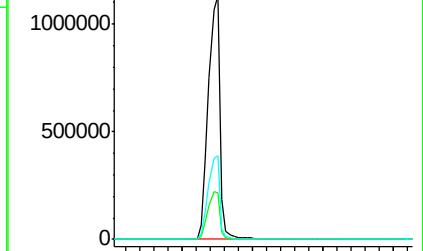
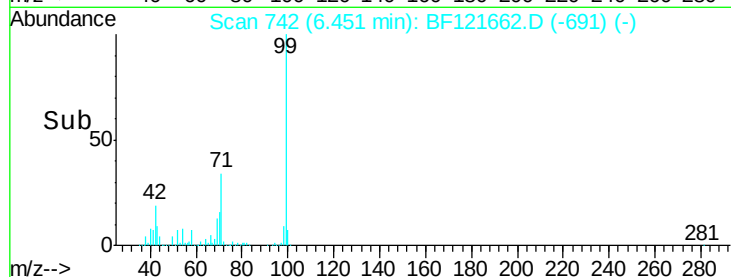


Abundance

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: 14.619 ng

RT: 7.37 min Scan# 899

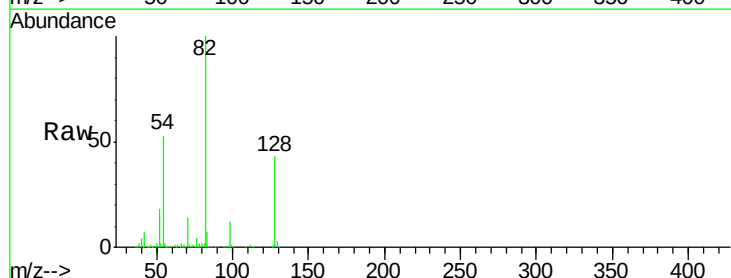
Delta R.T. 0.15 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Tgt Ion: 70 Resp: 119980

Ion	Ratio	Lower	Upper
70	100		
42	50.3	48.3	72.5
101	0.0	7.6	11.4#
130	2.1	15.9	23.9#



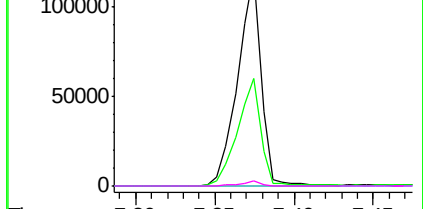
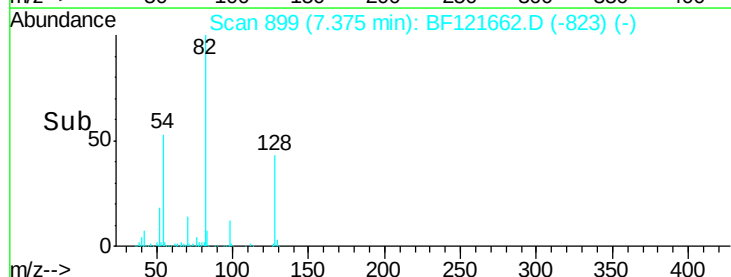
Abundance

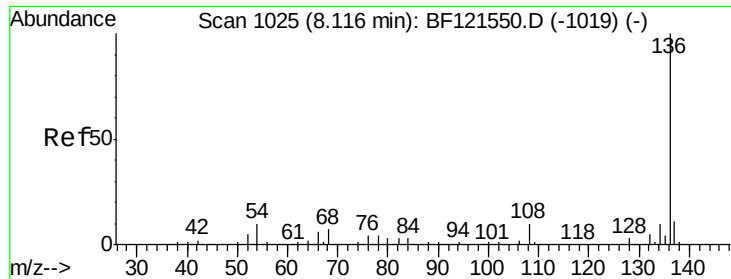
Ion 70.00 (69.70 to 70.70): BF1

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

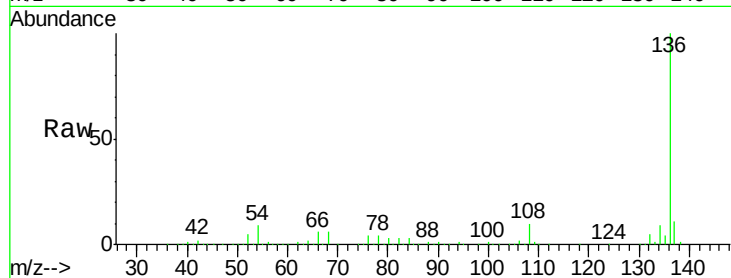




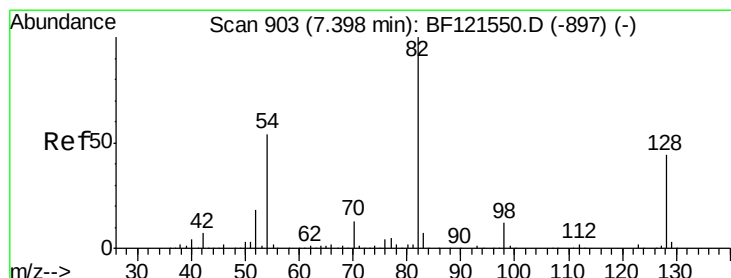
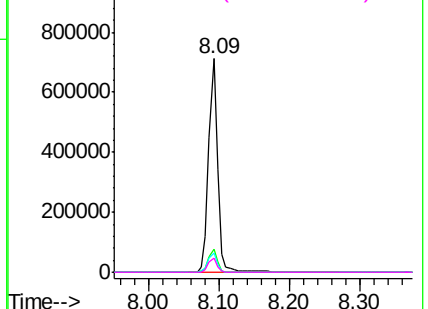
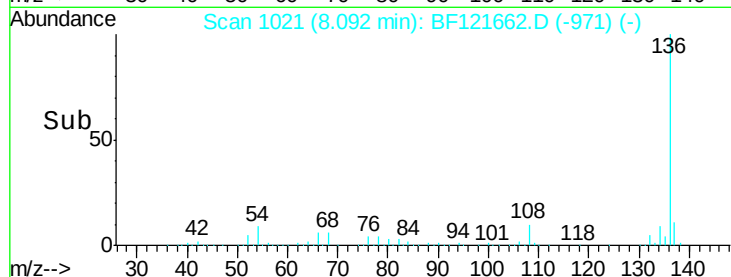
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampled :
024

Tot Ion:136	Resp:	632871
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	8.9	7.4 11.0
68	6.4	5.3 7.9

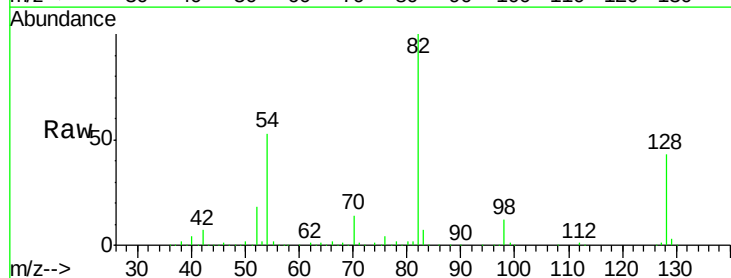


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

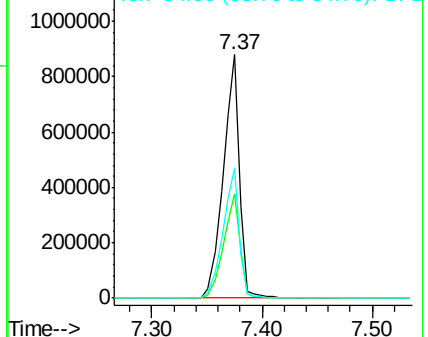
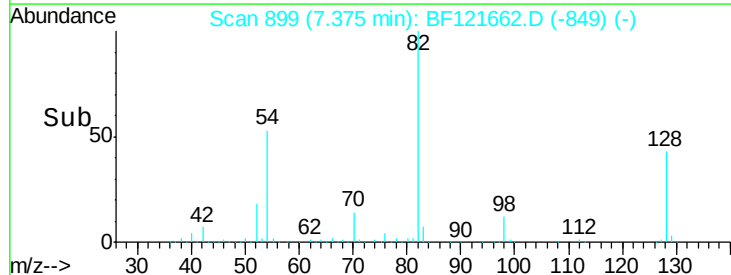


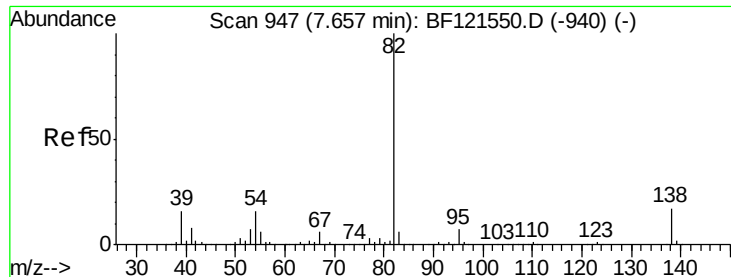
#23
Nitrobenzene-d5
Concen: 76.108 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion: 82	Resp:	897094
Ion	Ratio	Lower Upper
82	100	
128	42.5	33.9 50.9
54	53.2	42.9 64.3



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: 37.268 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

BNA_F

ClientSampleID :

024

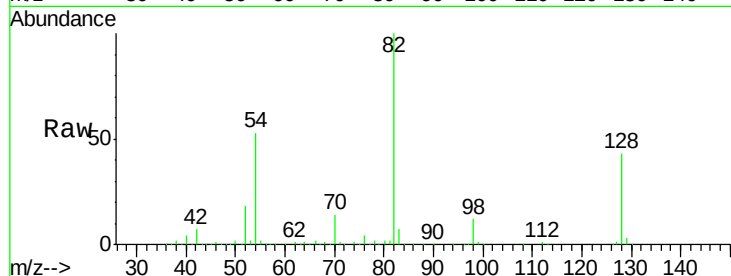
Tot Ion: 82 Resp: 884285

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

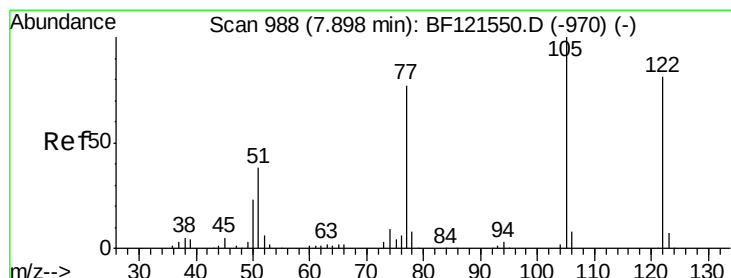
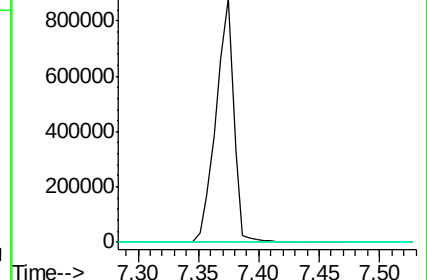
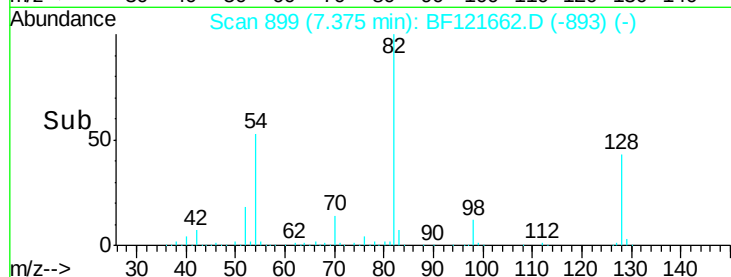
138 0.0 13.2 19.8#



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



#32

Benzoic acid

Concen: 6.952 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.00 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

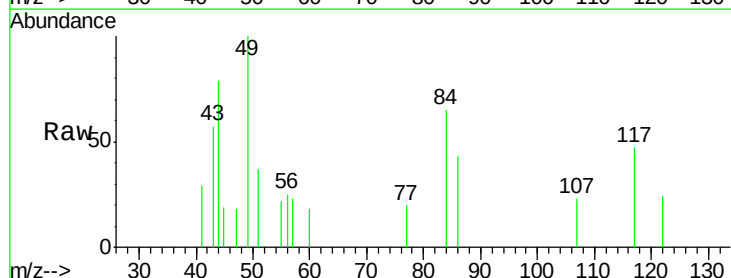
Tgt Ion: 122 Resp: 152

Ion Ratio Lower Upper

122 100

105 0.0 101.9 141.9#

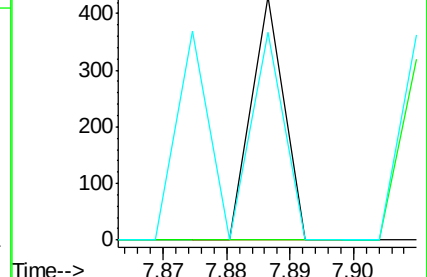
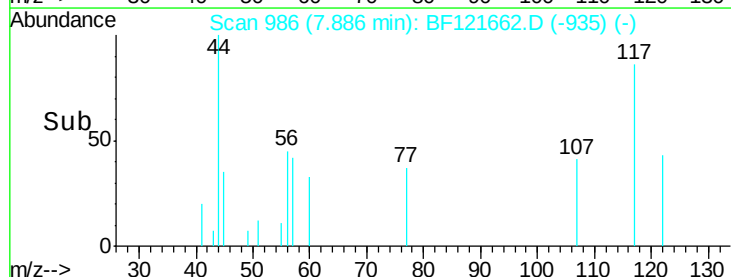
77 85.6 69.0 109.0

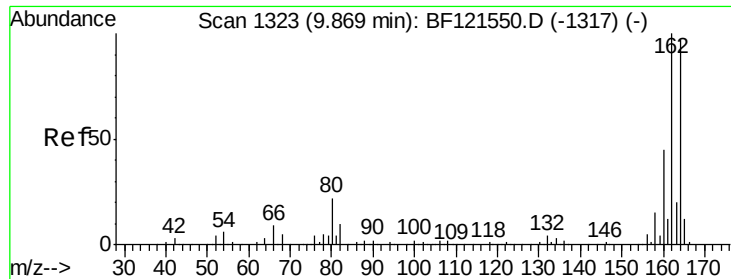


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

BNA_F

ClientSampleId :

024

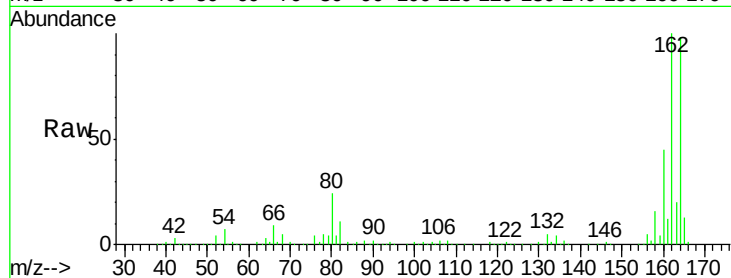
Tot Ion:164 Resp: 325569

Ion Ratio Lower Upper

164 100

162 102.2 81.2 121.8

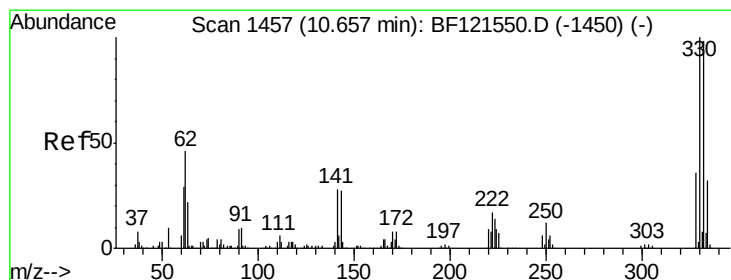
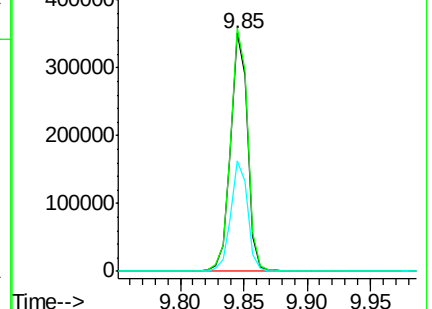
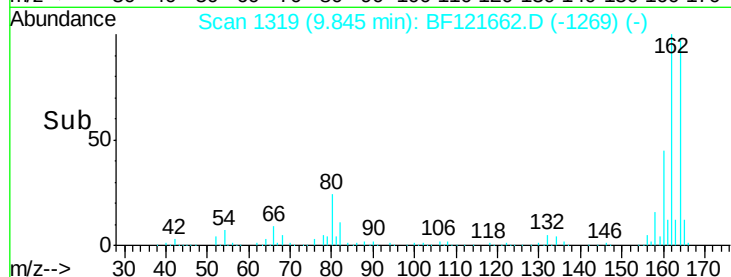
160 46.5 36.2 54.4



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: 100.268 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

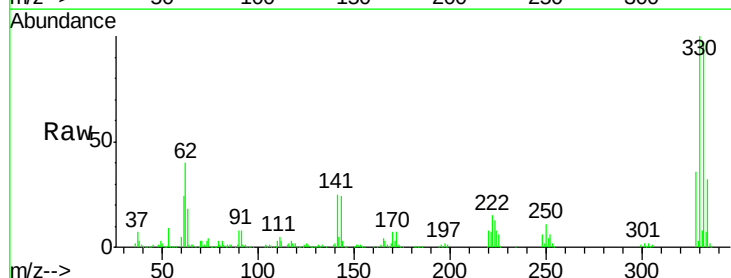
Tgt Ion:330 Resp: 405721

Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

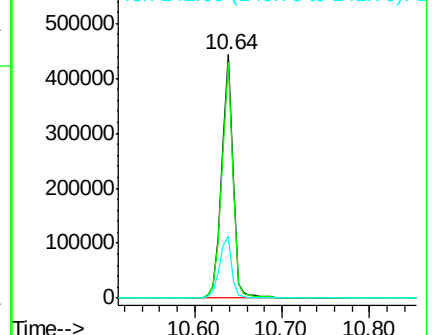
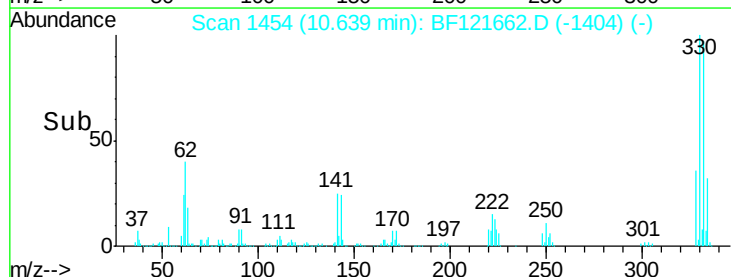
141 27.6 22.4 33.6

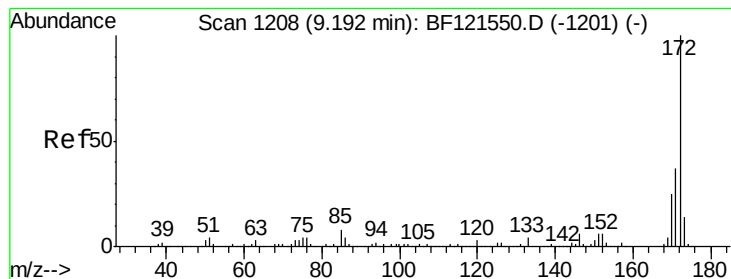


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 71.397 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

BNA_F

ClientSampleId :

024

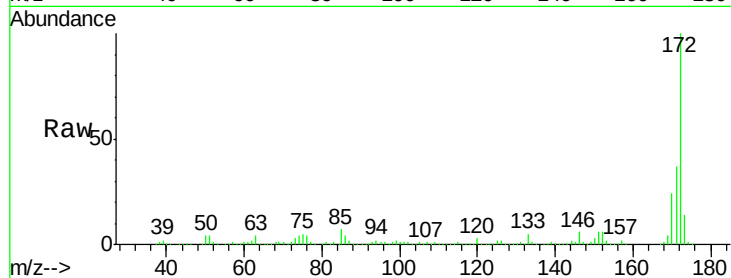
Tot Ion:172 Resp: 1534779

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.3	43.9
170	24.0	19.5	29.3

172 100

171 36.9 29.3 43.9

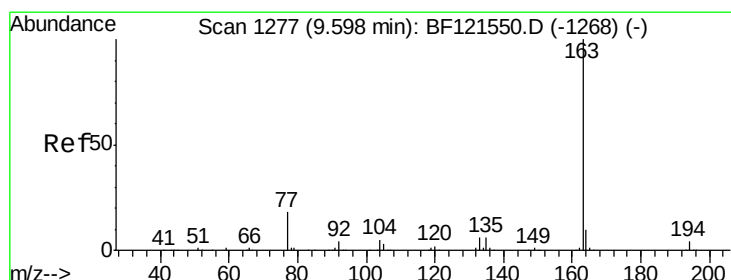
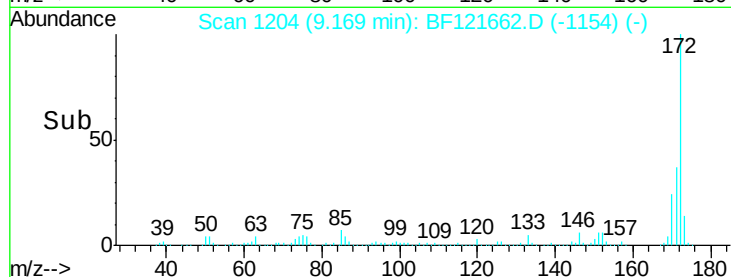
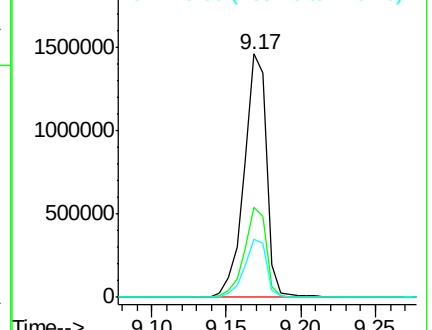
170 24.0 19.5 29.3



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: 11.904 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

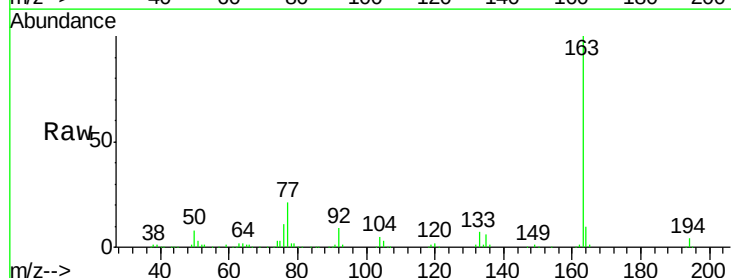
Tgt Ion:163 Resp: 280898

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.0	12.0

163 100

194 4.0 3.3 4.9

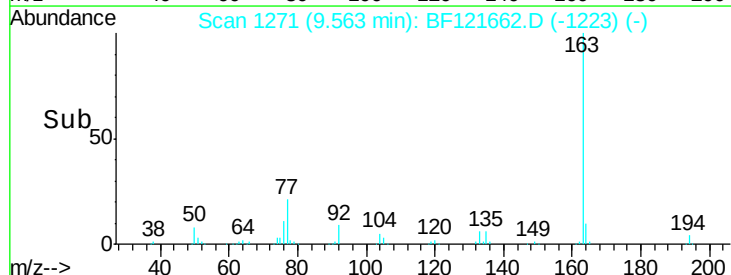
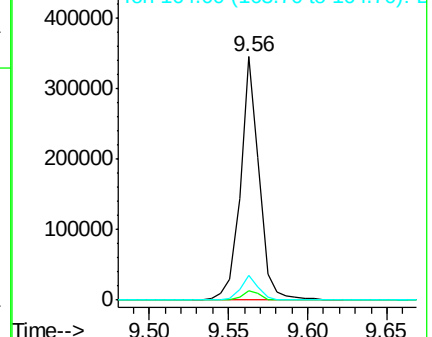
164 10.1 8.0 12.0

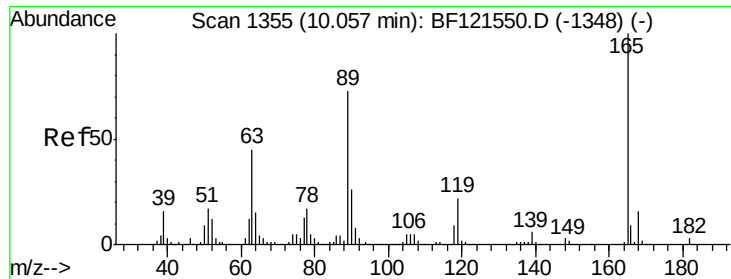


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

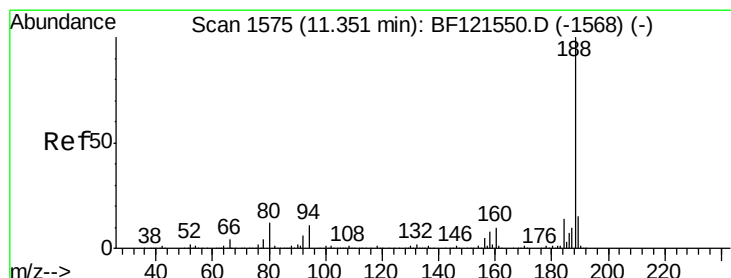
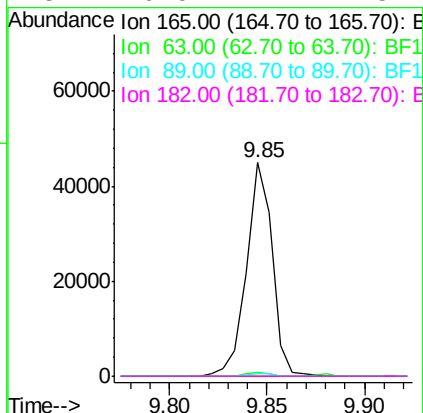
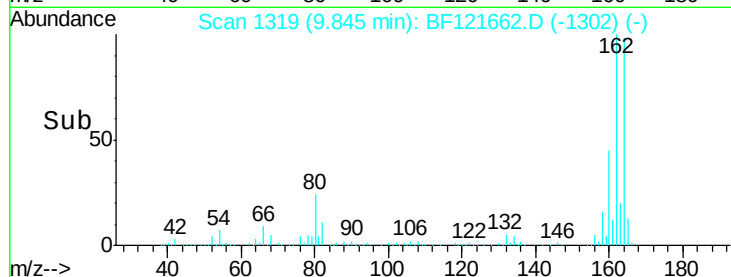
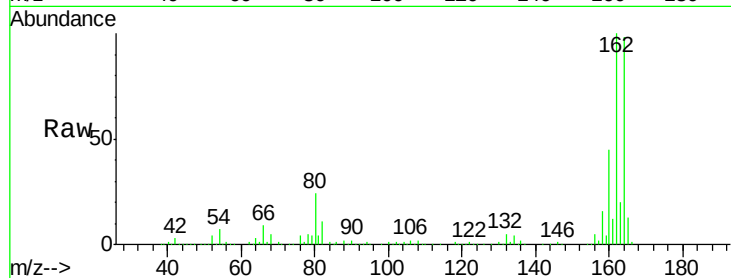




#57
 2,4-Dinitrotoluene
 Concen: 6.507 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

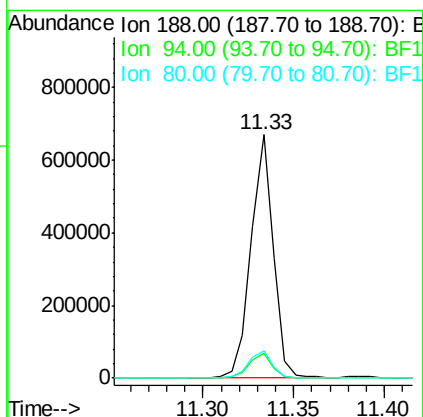
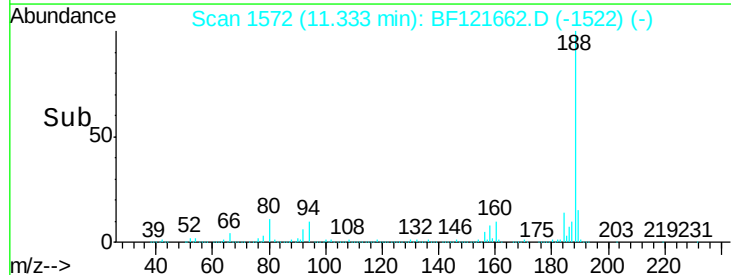
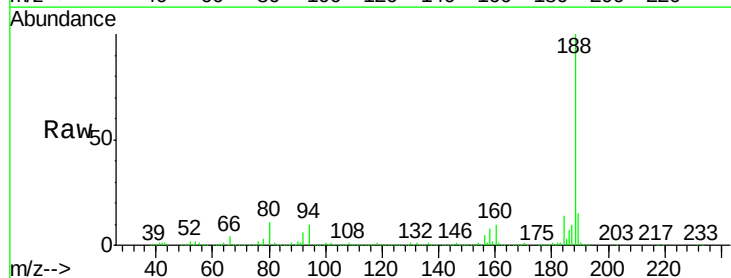
Instrument :
 BNA_F
 ClientSampleId :
 024

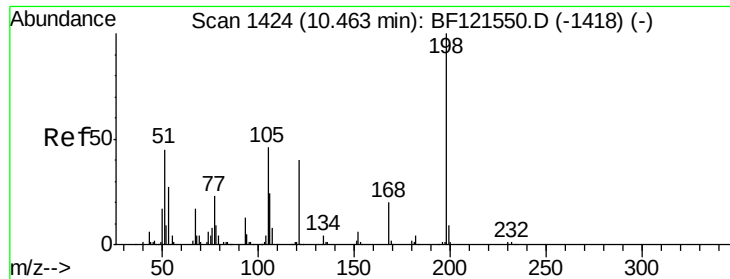
Tot Ion:165	Resp: 41141
Ion Ratio	Lower Upper
165 100	
63 1.6	36.7 55.1#
89 1.2	57.7 86.5#
182 0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Tgt Ion:188	Resp: 574202
Ion Ratio	Lower Upper
188 100	
94 10.3	8.4 12.6
80 11.1	9.0 13.4

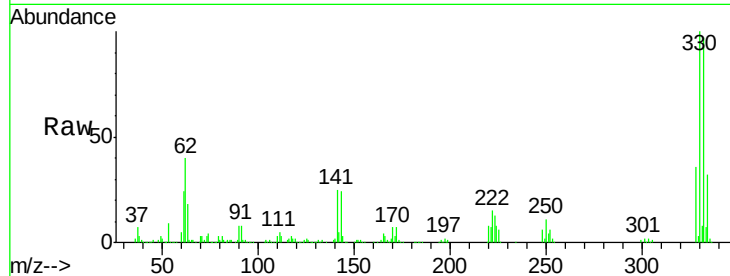




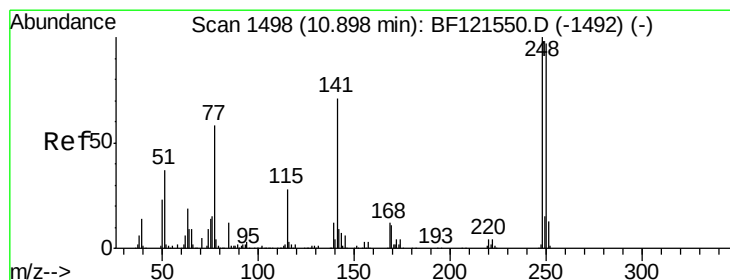
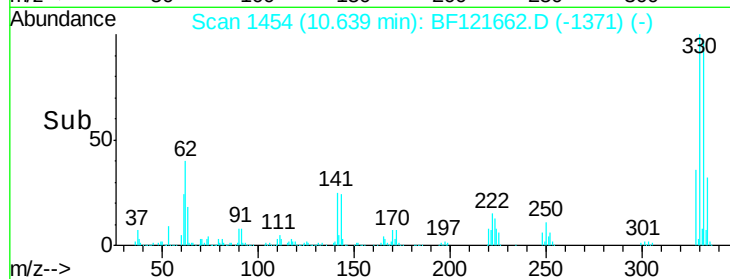
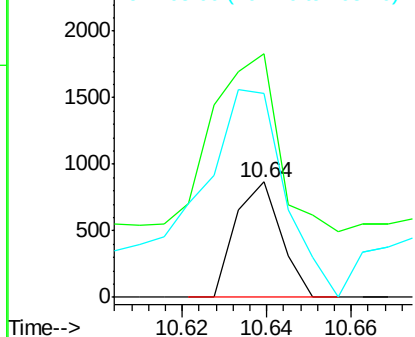
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.010 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Instrument :
 BNA_F
 ClientSampled :
 024

Tot Ion:198 Resp: 649
 Ion Ratio Lower Upper
 198 100
 51 211.6 20.3 60.3#
 105 177.3 20.2 60.2#

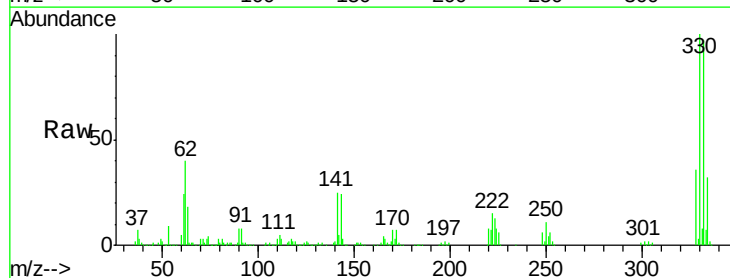


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

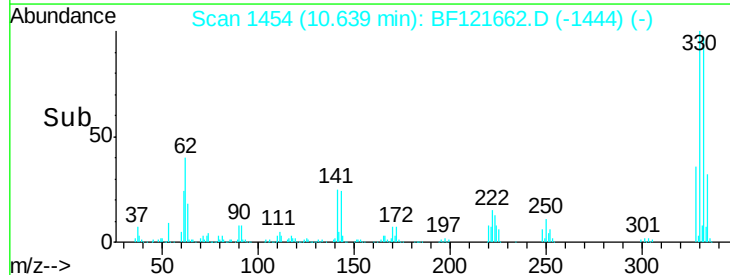
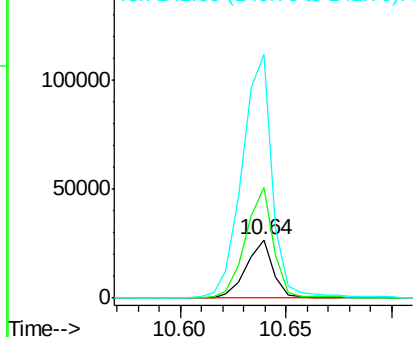


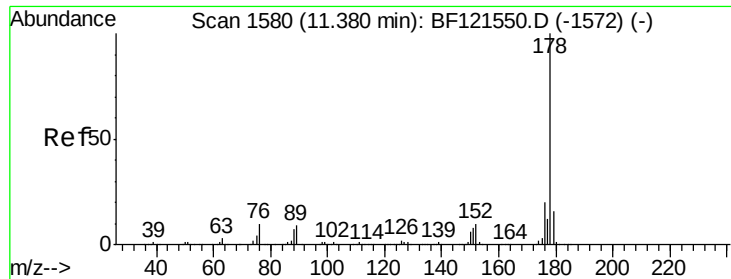
#67
 4-Bromophenyl-phenylether
 Concen: 3.639 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Tgt Ion:248 Resp: 23793
 Ion Ratio Lower Upper
 248 100
 250 190.9 79.4 119.0#
 141 419.6 52.2 78.4#



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

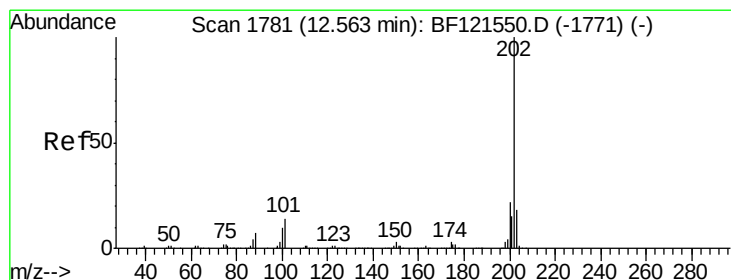
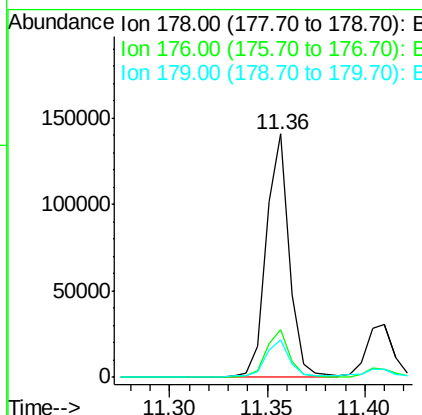
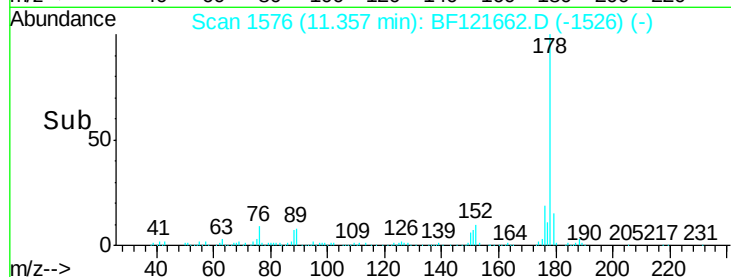
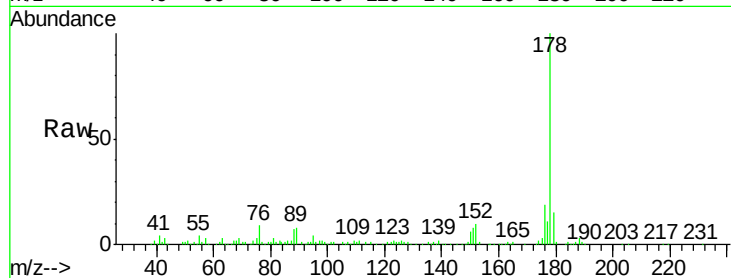




#71
Phenanthrene
Concen: 3.676 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

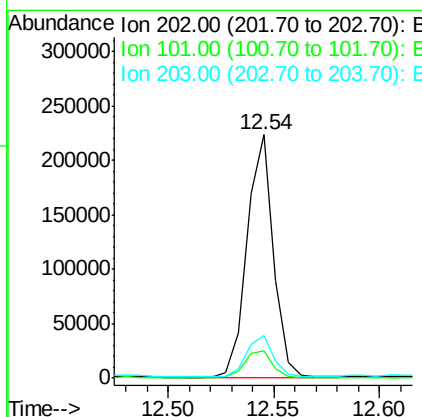
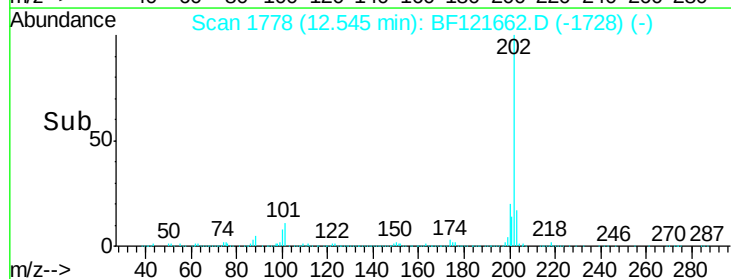
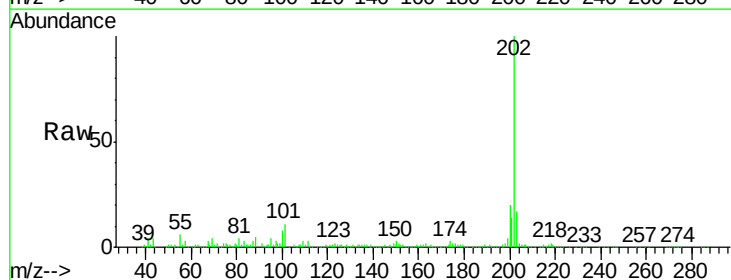
Instrument :
BNA_F
ClientSampleId :
024

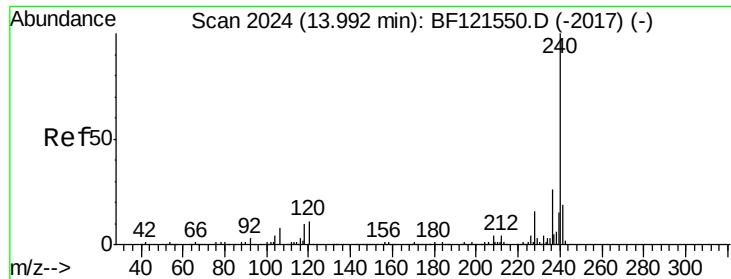
Tot Ion:178 Resp: 115000
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.3 12.6 18.8



#75
Fluoranthene
Concen: 5.763 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion:202 Resp: 192451
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.9
203 17.5 0.0 37.8

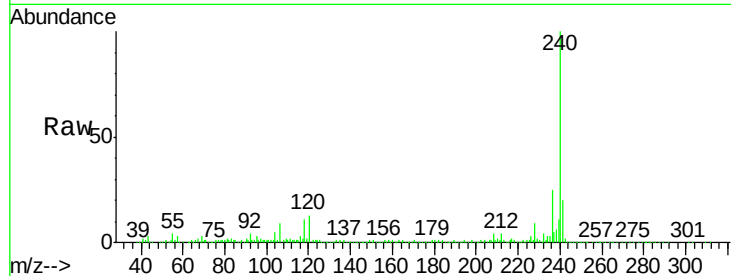




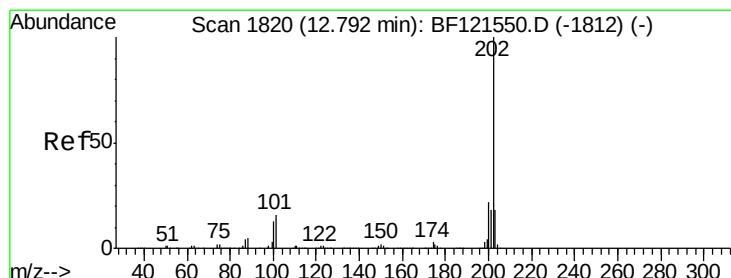
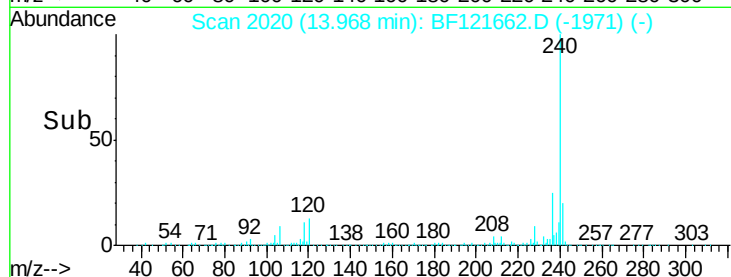
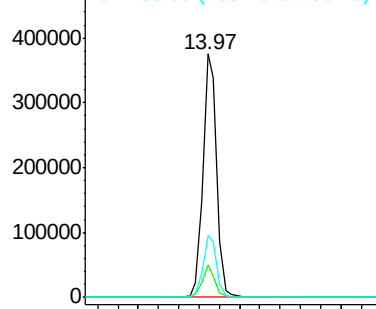
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Instrument :
BNA_F
ClientSampleId :
024

Tot Ion:240 Resp: 349301
Ion Ratio Lower Upper
240 100
120 13.1 9.2 13.8
236 25.3 20.4 30.6

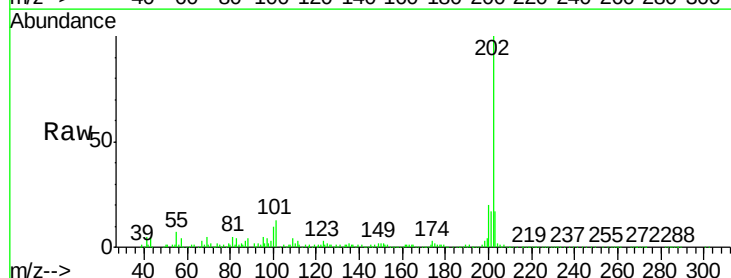


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

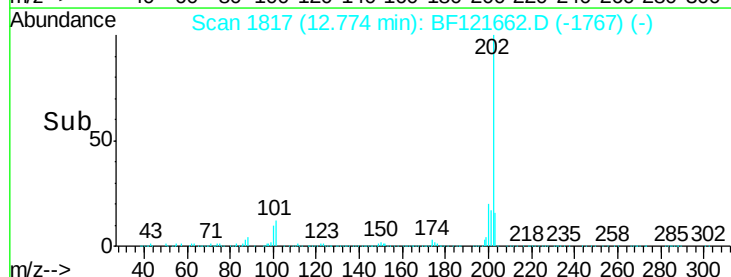
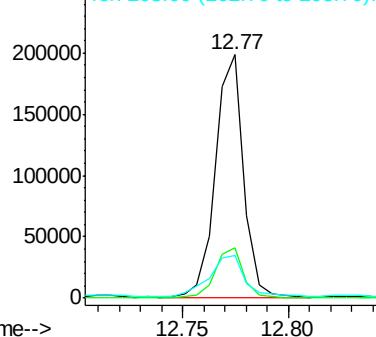


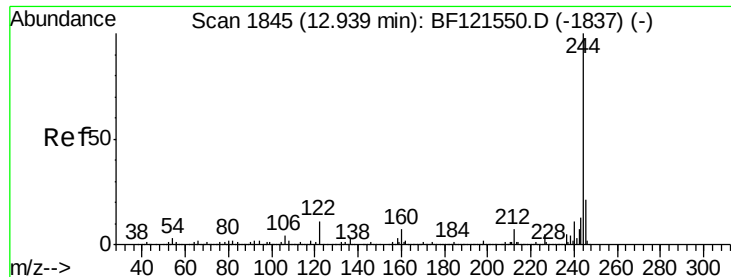
#78
Pyrene
Concen: 7.086 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion:202 Resp: 180840
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 17.3 14.4 21.6



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: 80.718 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Instrument :

BNA_F

ClientSampleId :

024

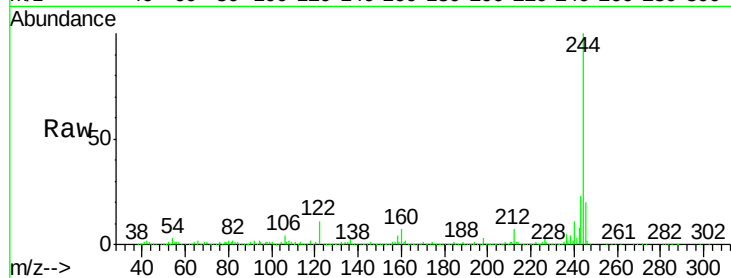
Tot Ion:244 Resp: 1391720

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

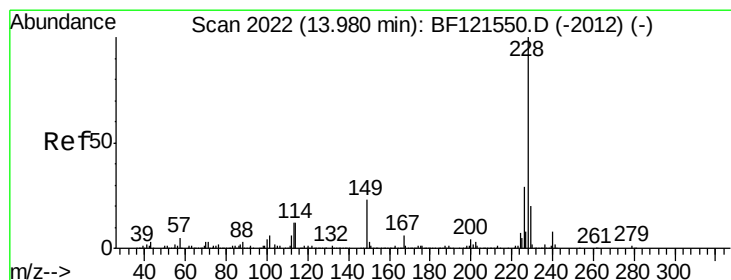
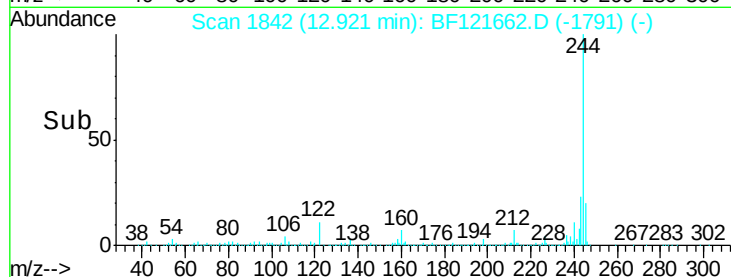
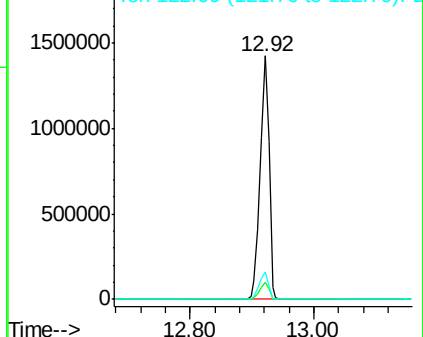
122 11.1 7.4 11.0#



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: 3.435 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

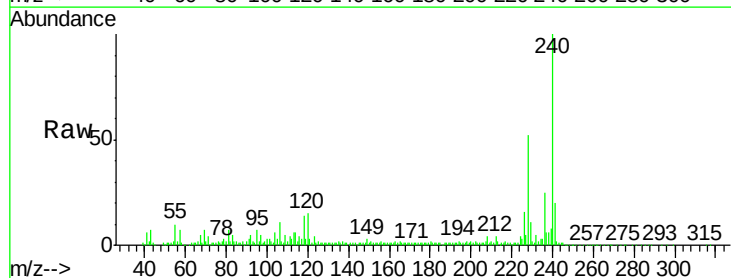
Tgt Ion:228 Resp: 75913

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

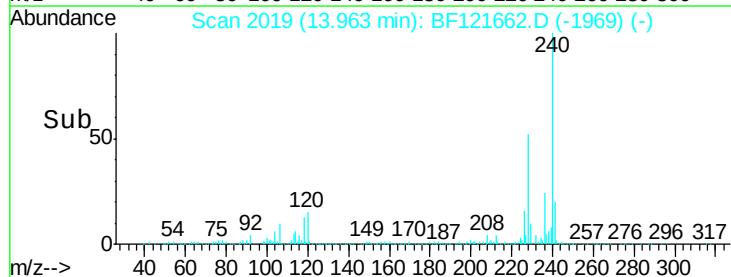
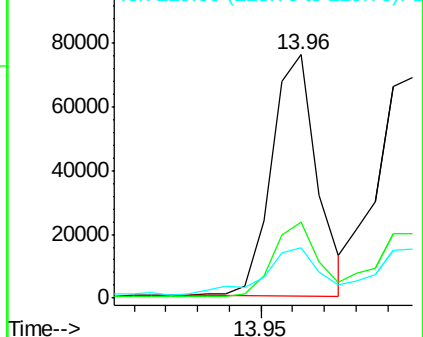
229 20.7 16.2 24.2

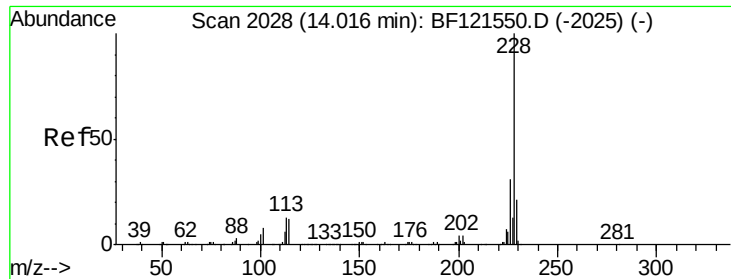


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

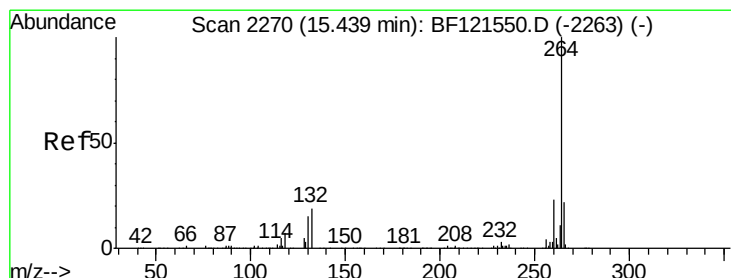
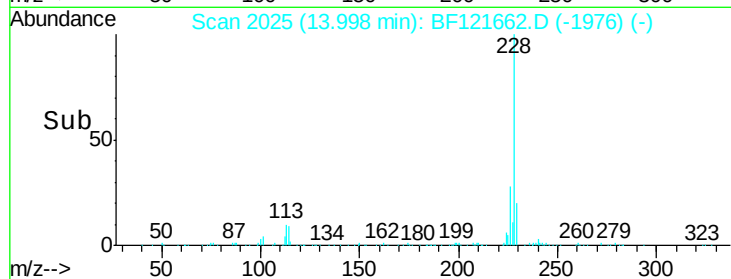
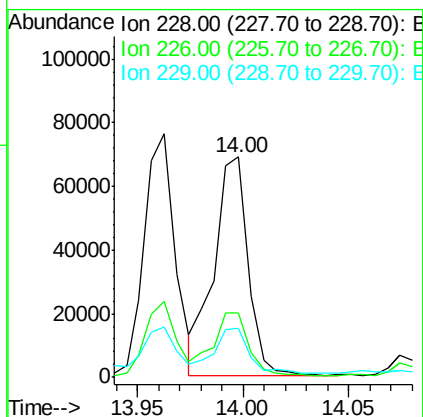
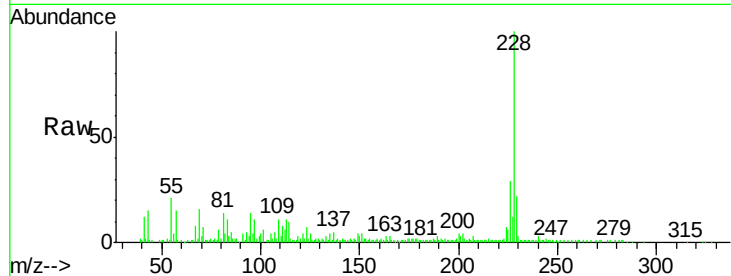




#83
Chrysene
Concen: 3.431 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

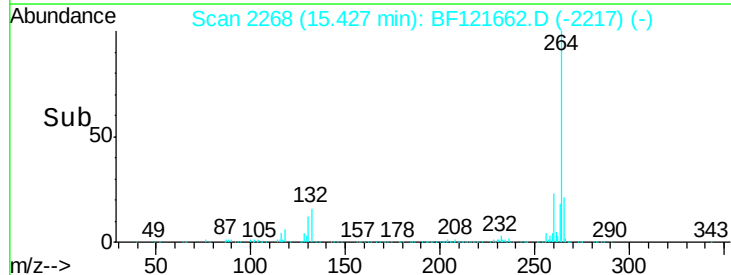
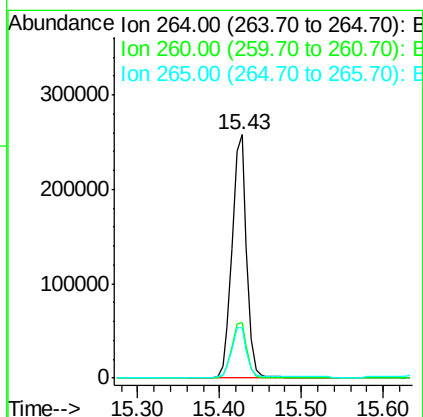
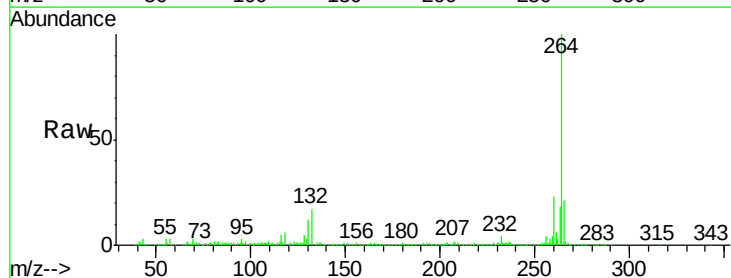
Instrument :
BNA_F
ClientSampleId :
024

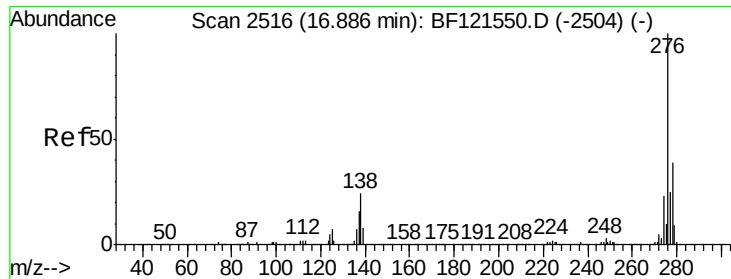
Tot Ion:228 Resp: 76787
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.4
229 22.3 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF121662.D
Acq: 23 Sep 2020 2:33

Tgt Ion:264 Resp: 322148
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 20.7 17.3 25.9

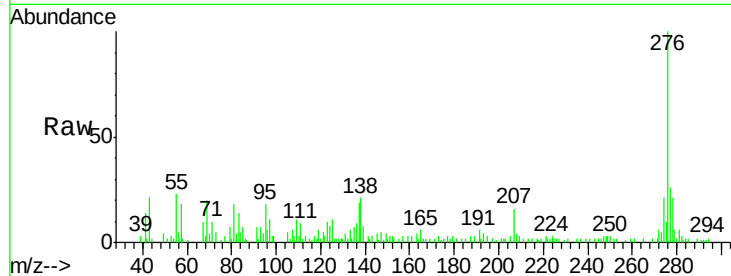




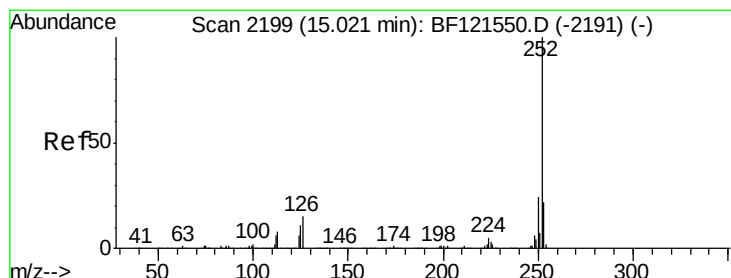
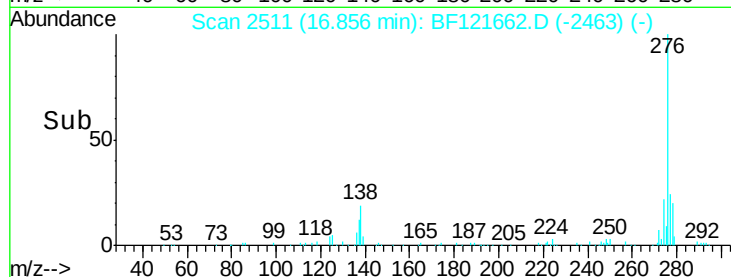
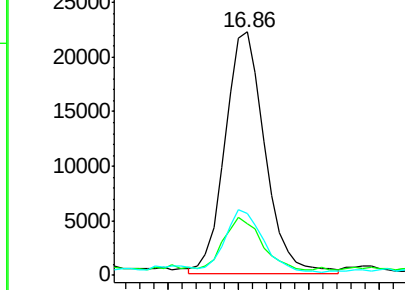
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.078 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. -0.02 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Instrument :
 BNA_F
 ClientSampleId :
 024

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.0	28.6
277	25.5	20.2	30.2

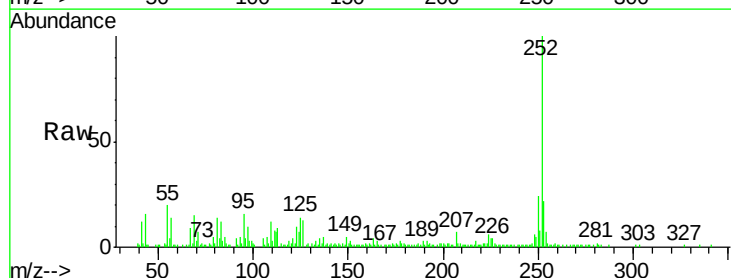


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

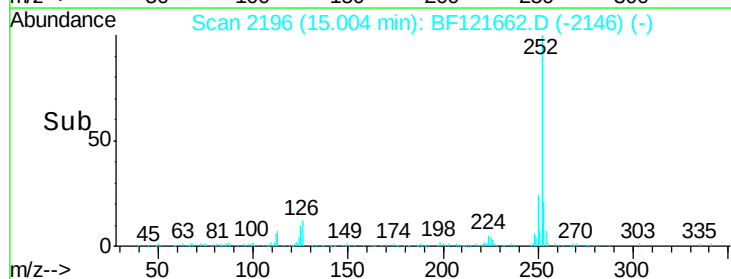
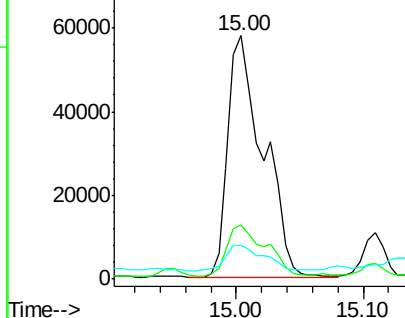


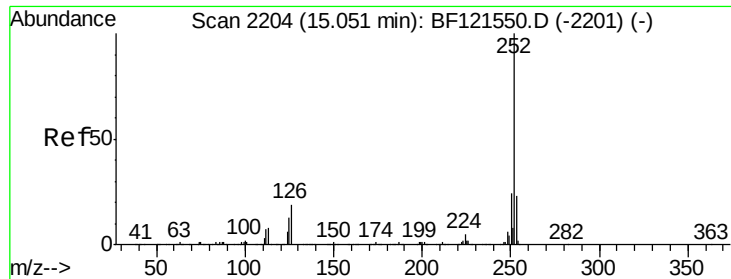
#88
 Benzo(b)fluoranthene
 Concen: 5.173 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	14.1	8.5	12.7



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: 5.649 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

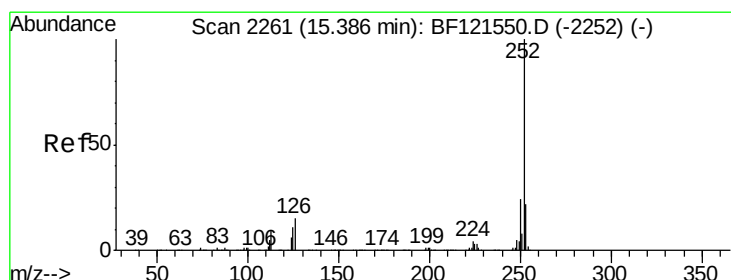
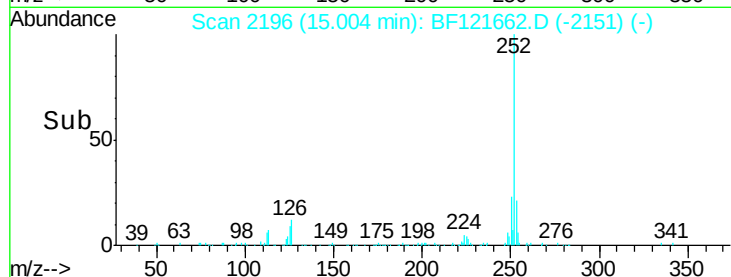
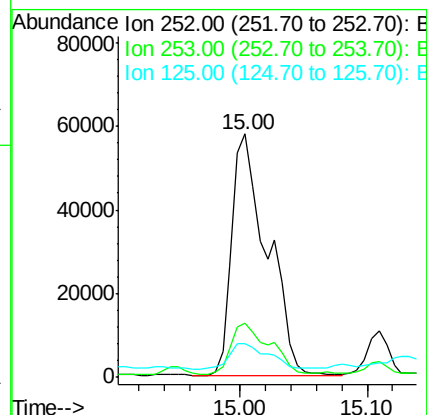
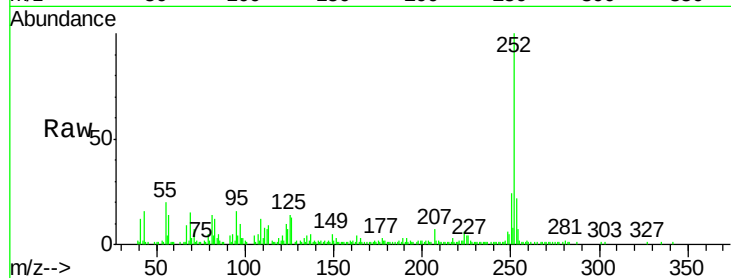
Instrument :

BNA_F

ClientSampleId :

024

Tot Ion:252	Resp:	111403
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.8 26.8
125	14.1	8.4 12.6#



#90

Benzo(a)pyrene

Concen: 3.310 ng

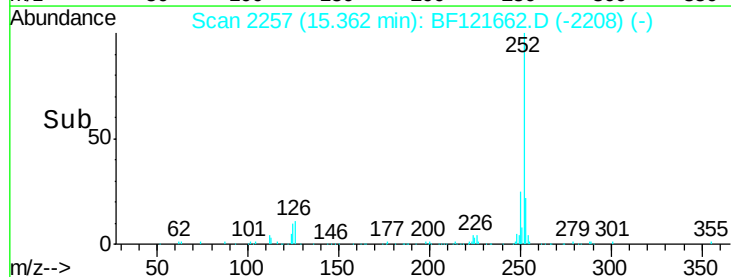
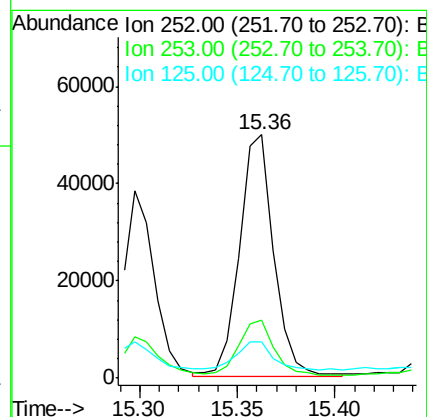
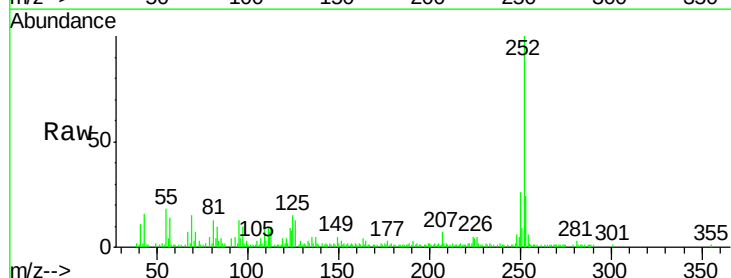
RT: 15.36 min Scan# 2257

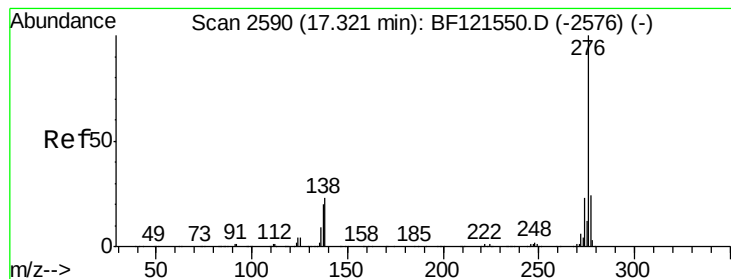
Delta R.T. -0.01 min

Lab File: BF121662.D

Acq: 23 Sep 2020 2:33

Tgt Ion:252	Resp:	60602
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.4 26.2
125	15.1	9.1 13.7#





#92
 Benzo(a,h,i)perylene
 Concen: 2.546 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.03 min
 Lab File: BF121662.D
 Acq: 23 Sep 2020 2:33

Instrument :
 BNA_F
 ClientSampleId :
 024

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.3	28.9
138	20.6	16.9	25.3

