

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121795.D
 Acq On : 2 Oct 2020 15:40
 Operator : JU/CG
 Sample : L4199-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11940

Quant Time: Oct 02 16:12:44 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	109061	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	419653	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	197164	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	319321	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	243172	20.00	ng	-0.02
86) Perylene-d12	15.35	264	272637	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	630573	85.93	ng	0.00
7) Phenol-d6	6.40	99	789636	82.02	ng	-0.01
23) Nitrobenzene-d5	7.33	82	548804	70.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	186625	76.16	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	920313	70.69	ng	-0.01
79) Terphenyl-d14	12.86	244	744950	62.06	ng	-0.02

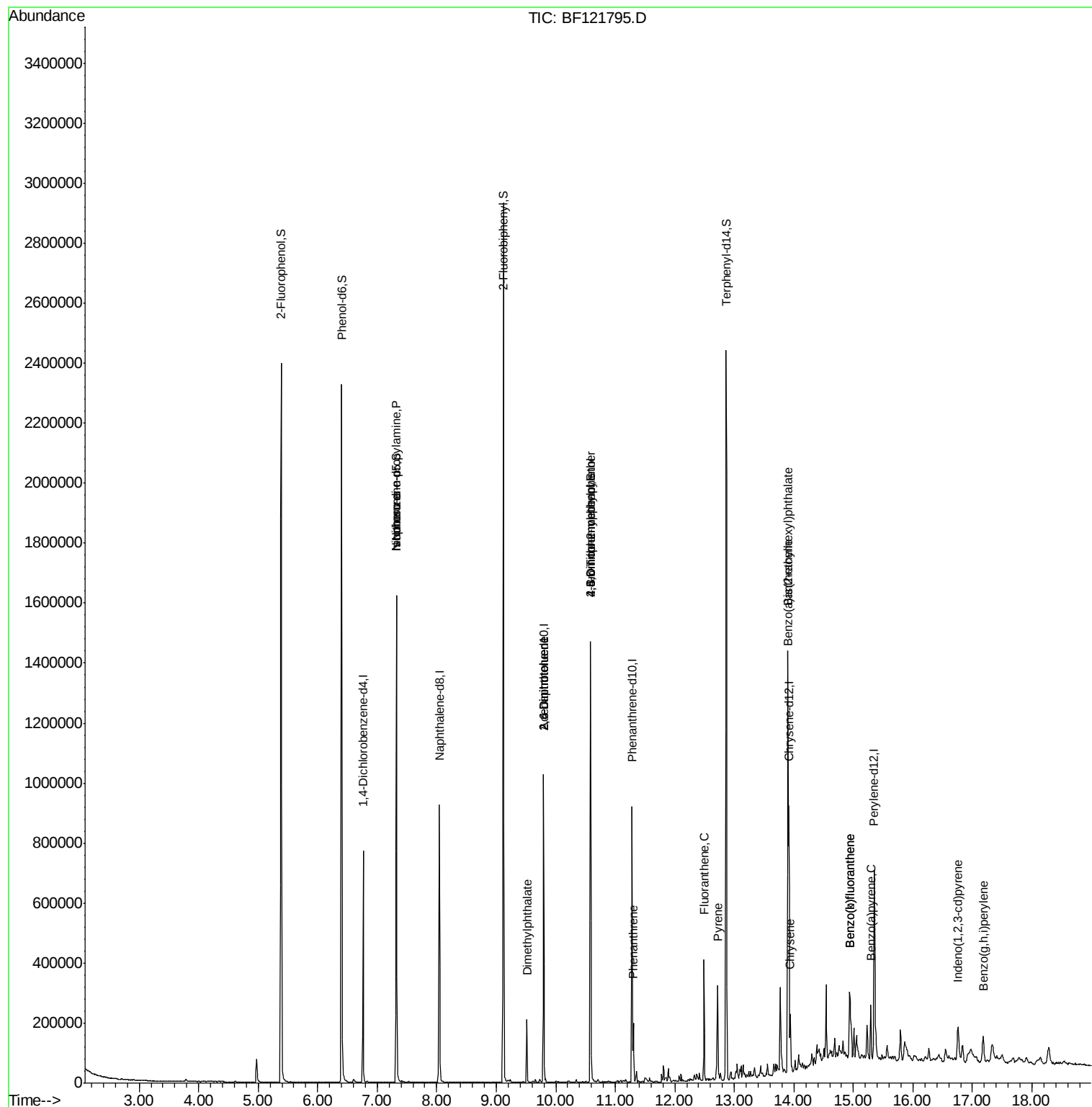
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	74016	13.339	ng	# 77
25) Isophorone	7.33	82	548801	34.881	ng	# 67
50) Dimethylphthalate	9.52	163	85378	5.975	ng	98
51) 2,6-Dinitrotoluene	9.80	165	25117	8.253	ng	# 21
57) 2,4-Dinitrotoluene	9.80	165	25117	6.560	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.58	198	300	6.983	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	11036	3.036	ng	# 1
71) Phenanthrene	11.30	178	64232	3.692	ng	98
75) Fluoranthene	12.49	202	147900	7.964	ng	98
78) Pyrene	12.72	202	132946	7.483	ng	97
81) Benzo(a)anthracene	13.91	228	74319	4.831	ng	98
83) Chrysene	13.94	228	75390	4.839	ng	96
84) Bis(2-ethylhexyl)phthalate	13.90	149	346748	36.122	ng	99
87) Indeno(1,2,3-cd)pyrene	16.76	276	63827	3.595	ng	99
88) Benzo(b)fluoranthene	14.94	252	158385	8.690	ng	# 96
89) Benzo(k)fluoranthene	14.94	252	158385	9.490	ng	# 96
90) Benzo(a)pyrene	15.29	252	79179	5.111	ng	98
92) Benzo(g,h,i)perylene	17.18	276	62511	4.303	ng	97

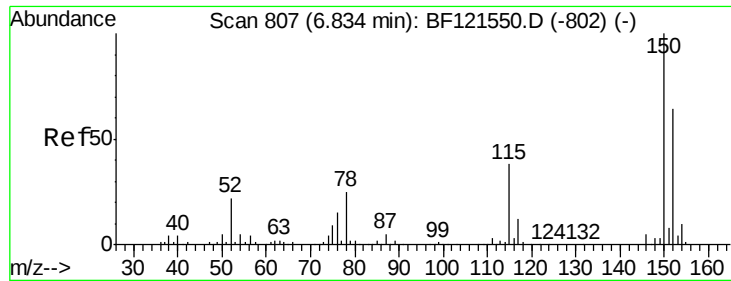
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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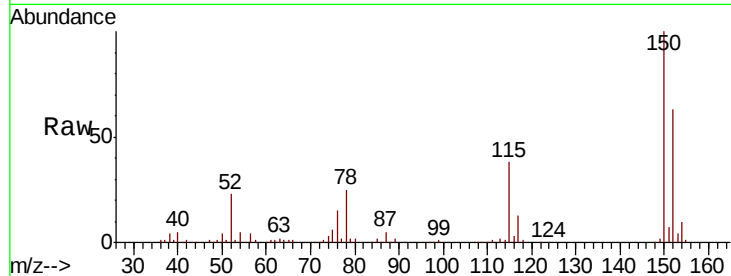


#1

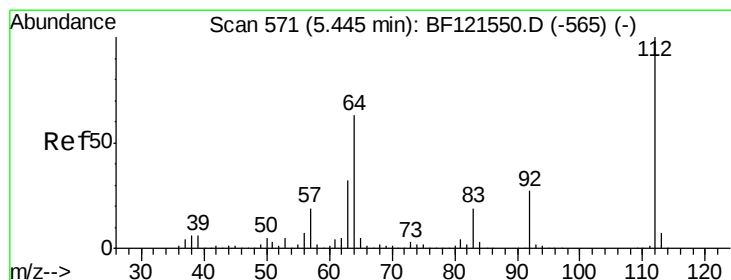
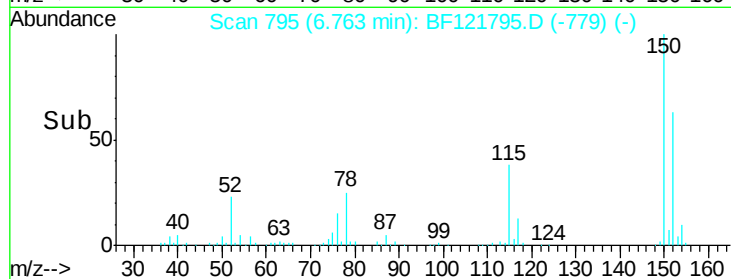
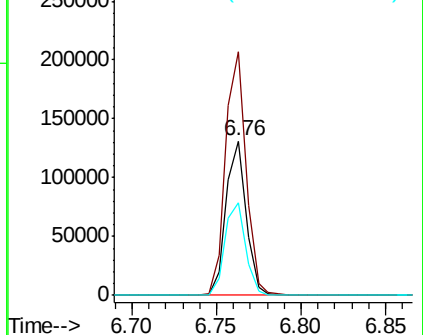
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Instrument :
BNA_F
ClientSampleId :
11940

Tot Ion:152 Resp: 109061
Ion Ratio Lower Upper
152 100
150 157.8 125.3 187.9
115 60.2 51.9 77.9



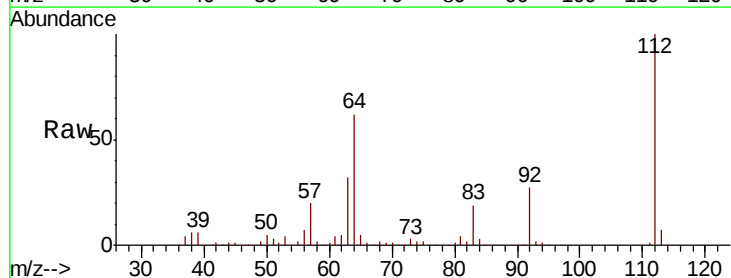
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



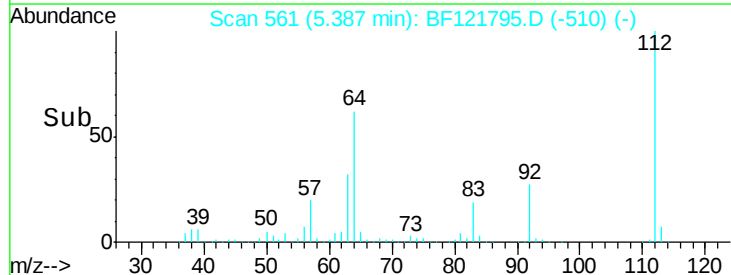
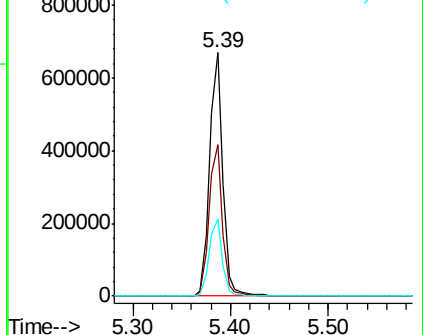
#5

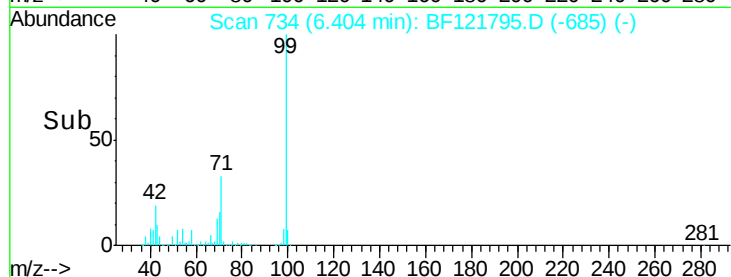
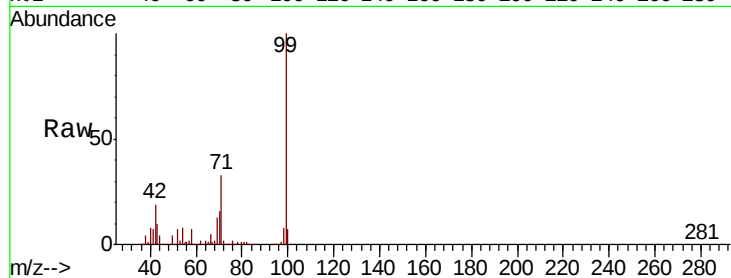
2-Fluorophenol
Concen: 85.925 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Tgt Ion:112 Resp: 630573
Ion Ratio Lower Upper
112 100
64 62.1 50.4 75.6
63 32.0 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: 82.016 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11940

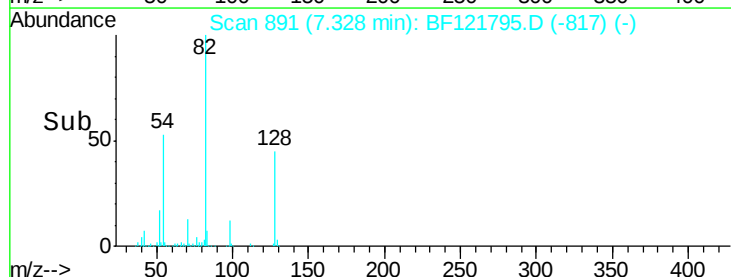
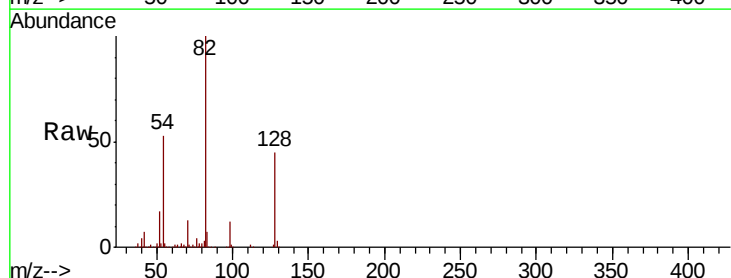
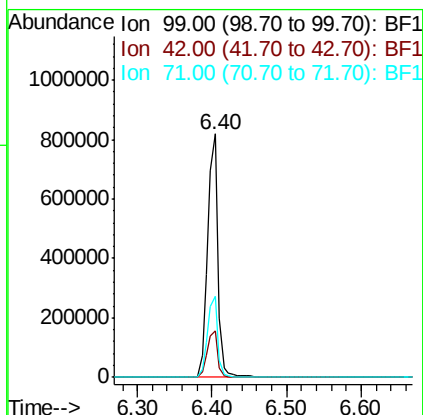
Tot Ion: 99 Resp: 789636

Ion Ratio Lower Upper

99 100

42 19.3 15.9 23.9

71 33.5 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.339 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

Tgt Ion: 70 Resp: 74016

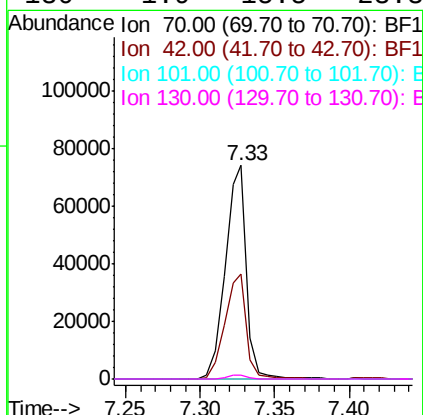
Ion Ratio Lower Upper

70 100

42 49.4 50.2 75.4#

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

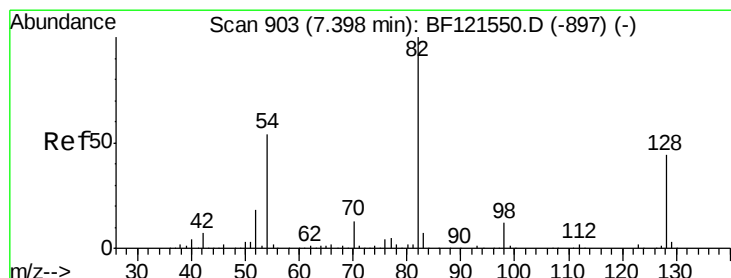
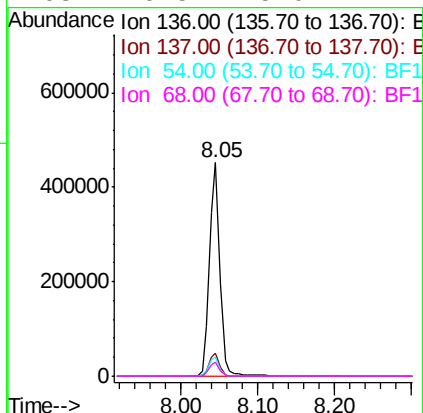
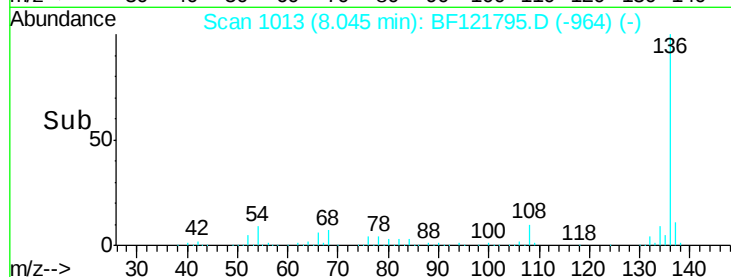
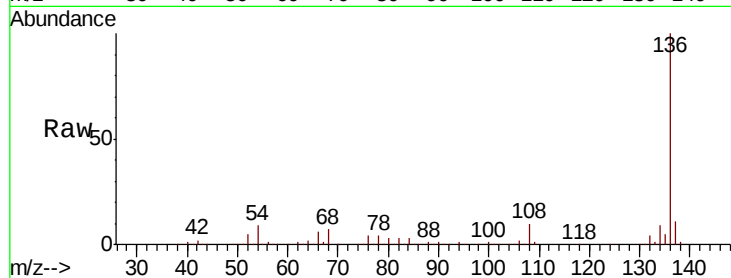




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

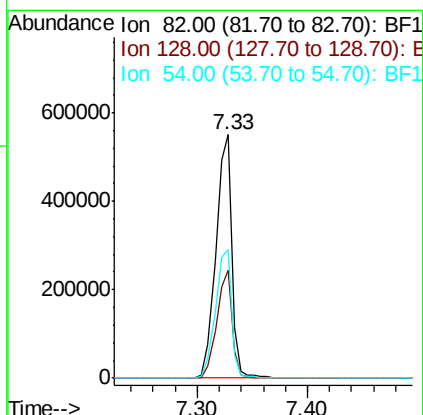
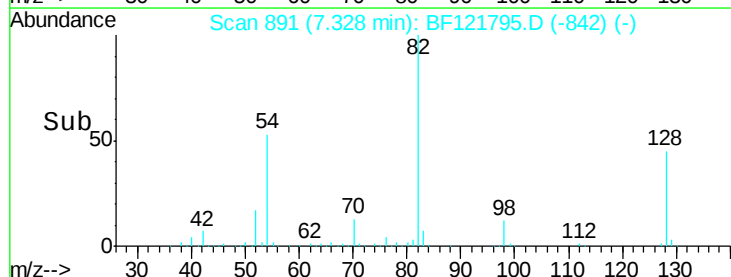
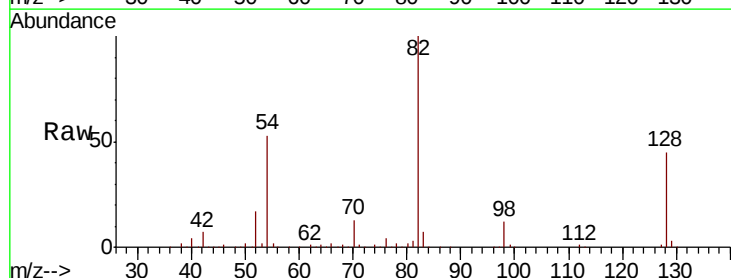
Instrument :
BNA_F
ClientSampleId :
11940

Tot Ion:136	Resp:	419653	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.6	13.0	
54 8.9	7.1	10.7	
68 6.5	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 70.216 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Tgt Ion: 82	Resp: 548804
Ion Ratio	Lower Upper
82 100	
128 44.6	35.0 52.4
54 52.6	43.9 65.9





#25

Isophorone

Concen: 34.881 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11940

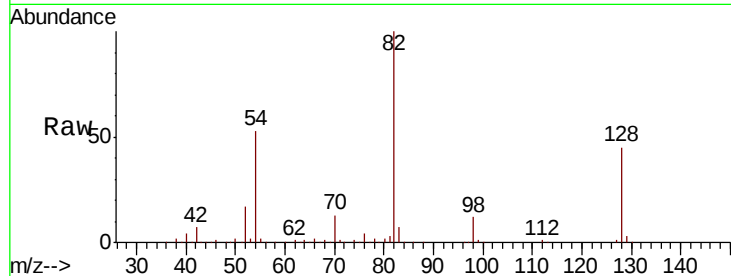
Tot Ion: 82 Resp: 548801

Ion Ratio Lower Upper

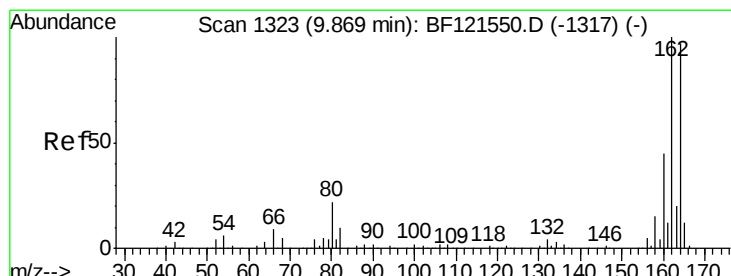
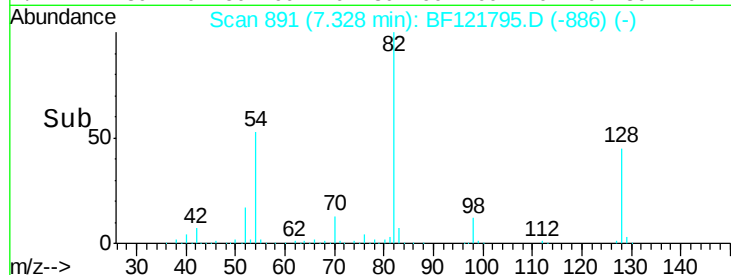
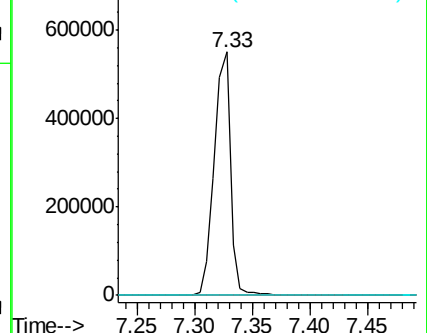
82 100

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: BF121795.D

Acq: 2 Oct 2020 15:40

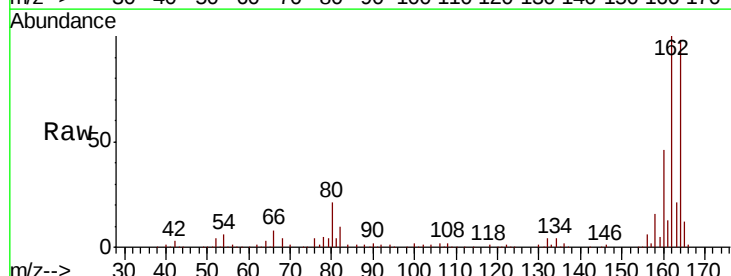
Tgt Ion: 164 Resp: 197164

Ion Ratio Lower Upper

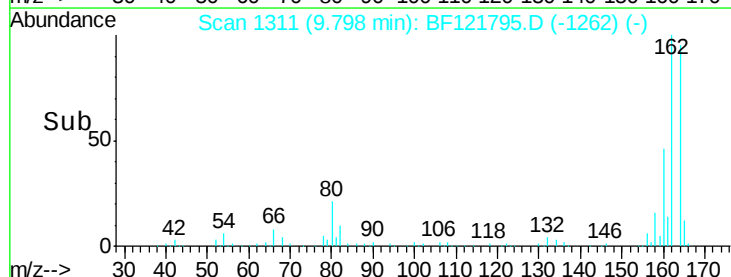
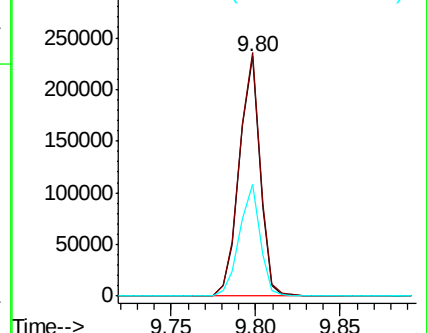
164 100

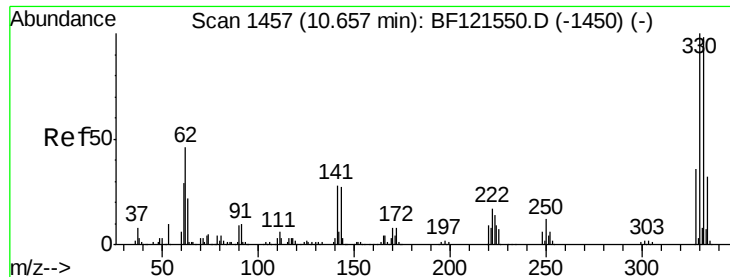
162 101.7 83.2 124.8

160 46.6 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

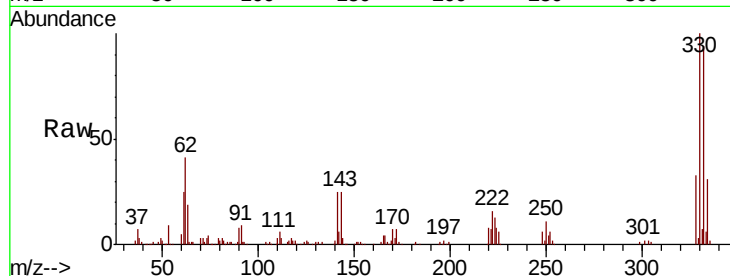




#42
 2,4,6-Tribromophenol
 Concen: 76.158 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121795.D
 Acq: 2 Oct 2020 15:40

Instrument :
 BNA_F
 ClientSampled :
 11940

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	29.5	22.3	33.5

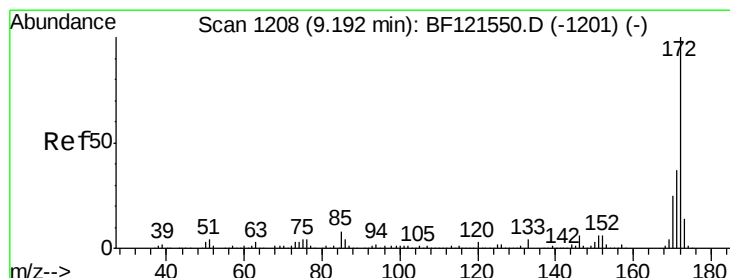
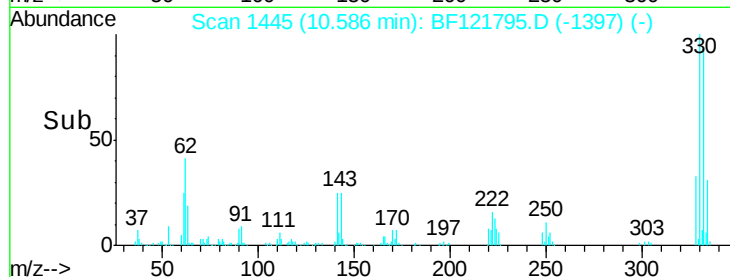
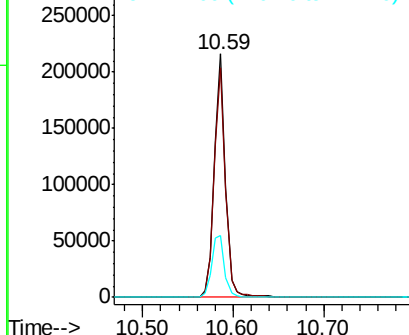


Abundance

Ion 329.80 (329.50 to 330.50): E

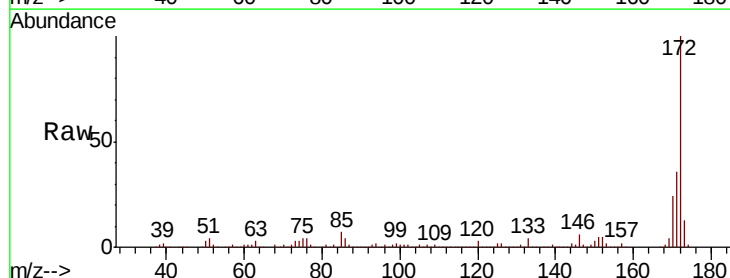
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 70.695 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121795.D
 Acq: 2 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.1	43.7
170	23.9	19.8	29.6

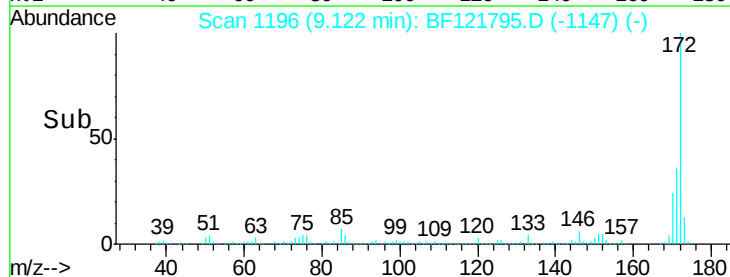
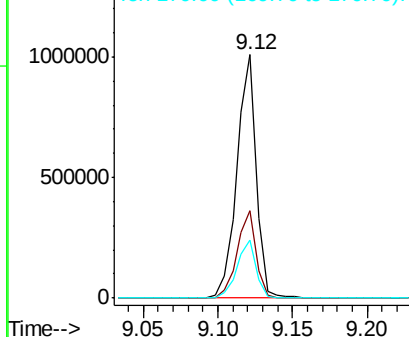


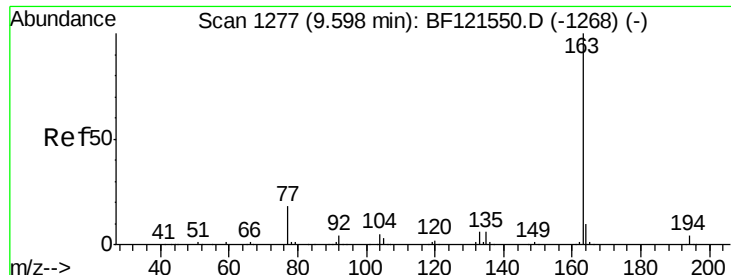
Abundance

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

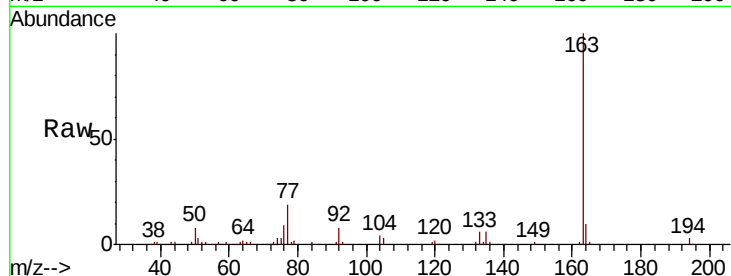




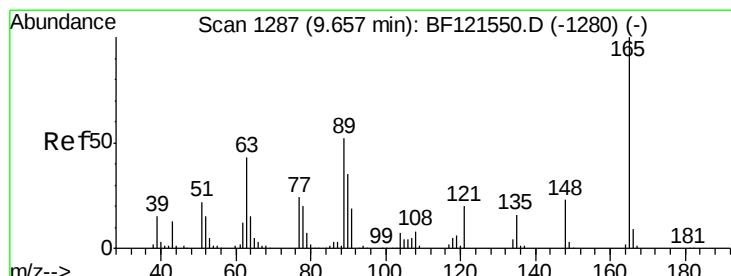
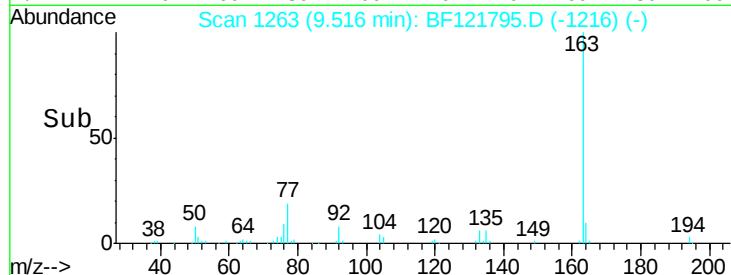
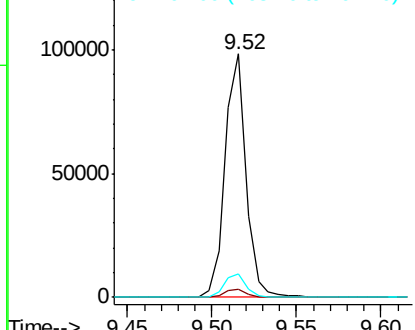
#50
Dimethylphthalate
Concen: 5.975 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Instrument :
BNA_F
ClientSampled :
11940

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.3	4.9
164	9.6	8.2	12.4

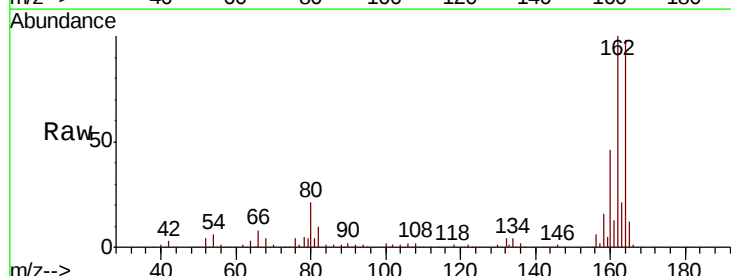


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

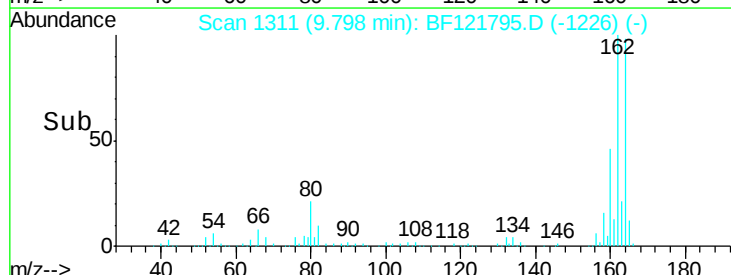
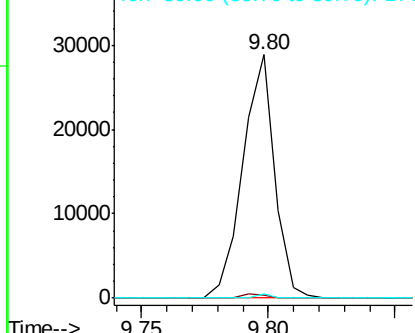


#51
2,6-Dinitrotoluene
Concen: 8.253 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.20 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	51.8	77.6#
89	1.6	49.0	73.6#



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

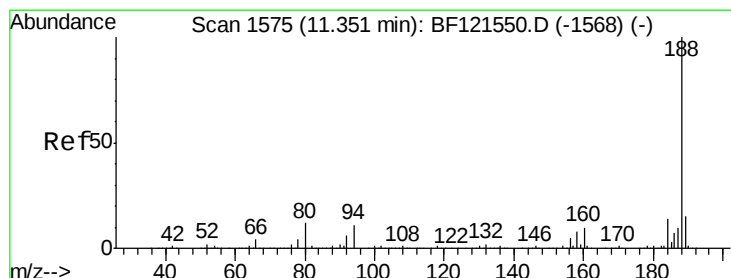
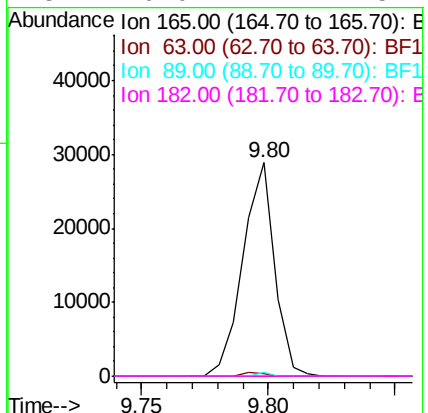
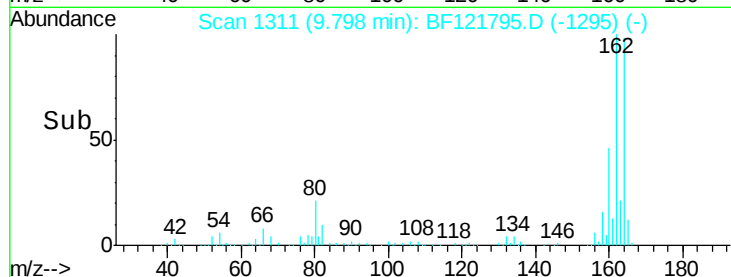
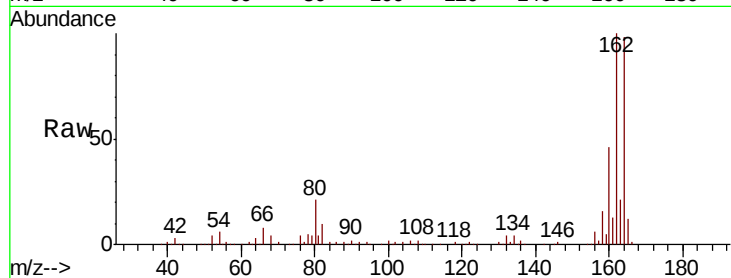




#57
 2,4-Dinitrotoluene
 Concen: 6.560 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121795.D
 Acq: 2 Oct 2020 15:40

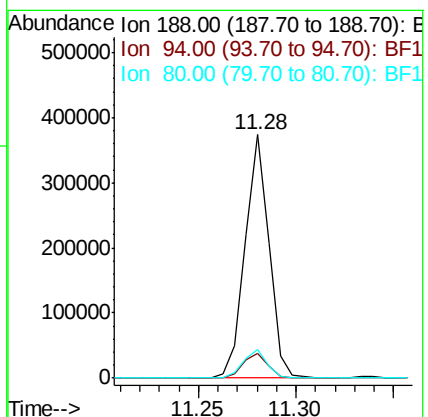
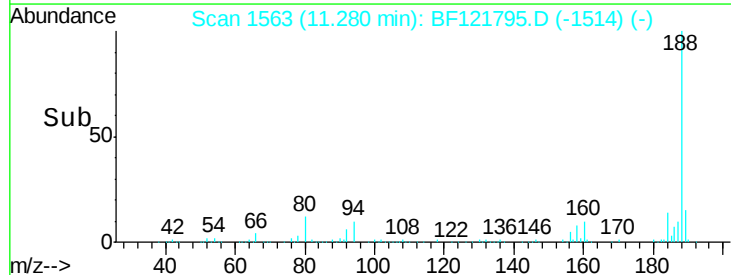
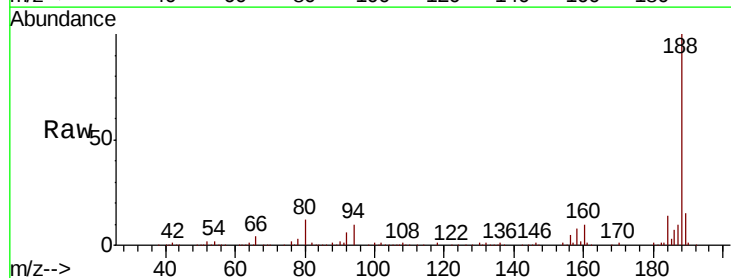
Instrument :
 BNA_F
 ClientSampleId :
 11940

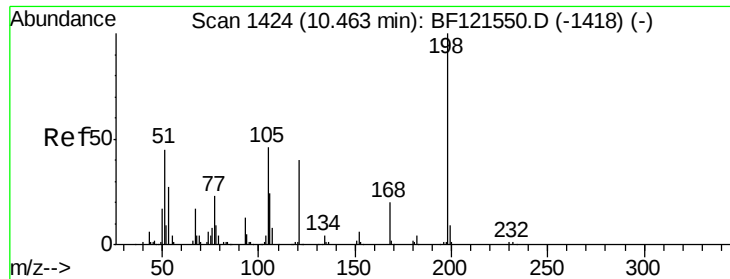
Tot Ion:165	Resp: 25117
Ion Ratio	Lower Upper
165 100	
63 1.3	41.3 61.9#
89 1.6	61.8 92.8#
182 0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121795.D
 Acq: 2 Oct 2020 15:40

Tgt	Ion:188	Resp:	319321
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.3	12.5
80	11.6	9.1	13.7

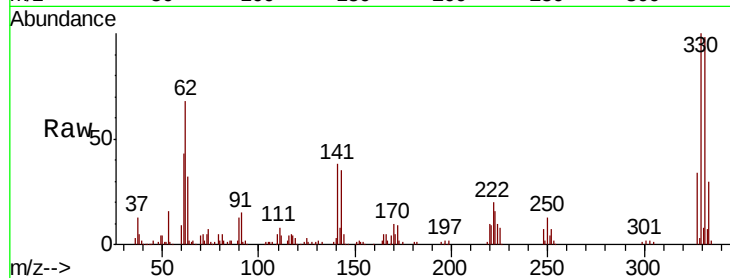




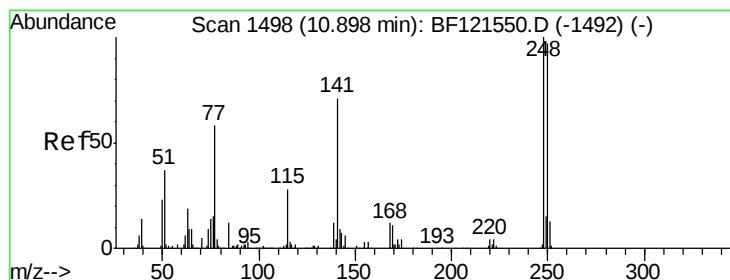
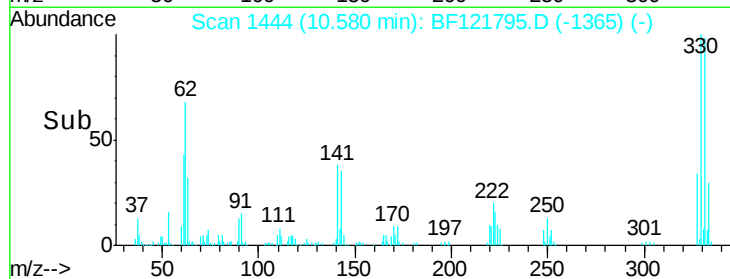
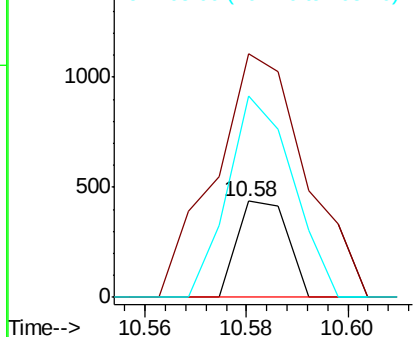
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.983 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.16 min
 Lab File: BF121795.D
 Acq: 2 Oct 2020 15:40

Instrument :
 BNA_F
 ClientSampled :
 11940

Tot Ion:198 Resp: 300
 Ion Ratio Lower Upper
 198 100
 51 253.7 29.6 69.6#
 105 209.6 24.4 64.4#

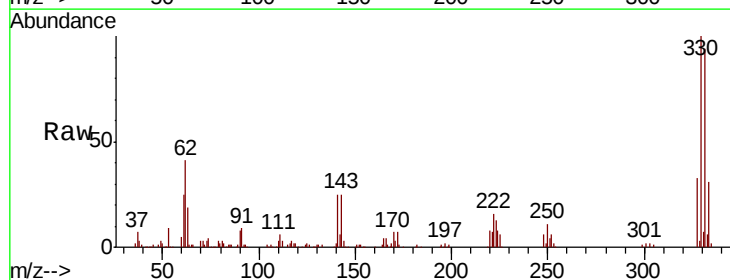


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

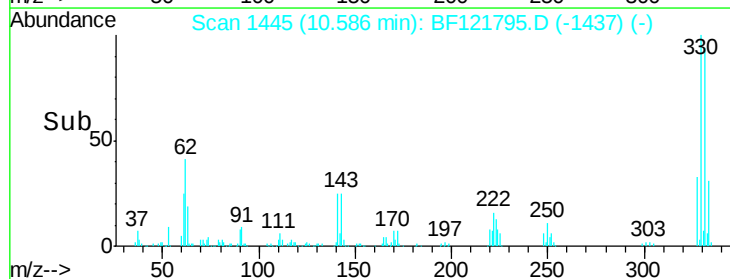
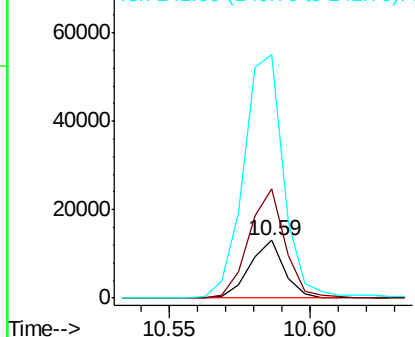


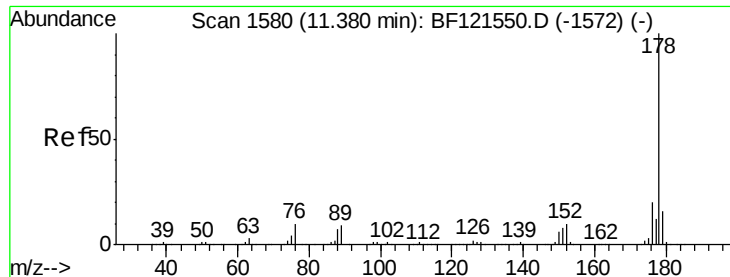
#67
 4-Bromophenyl-phenylether
 Concen: 3.036 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121795.D
 Acq: 2 Oct 2020 15:40

Tgt Ion:248 Resp: 11036
 Ion Ratio Lower Upper
 248 100
 250 189.1 77.0 115.6#
 141 422.9 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

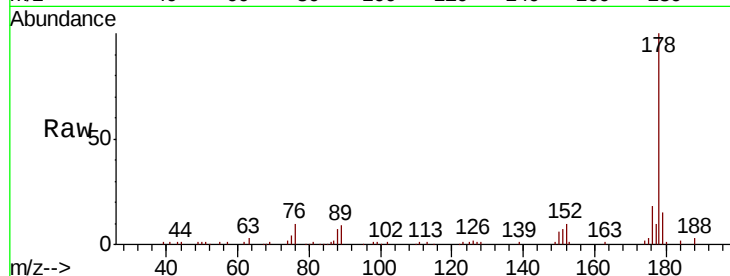




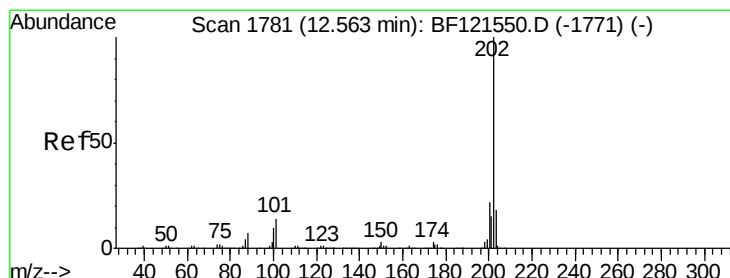
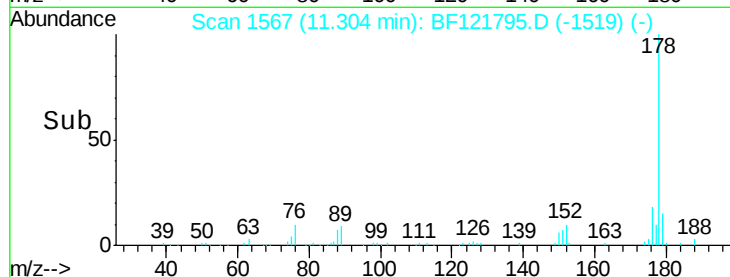
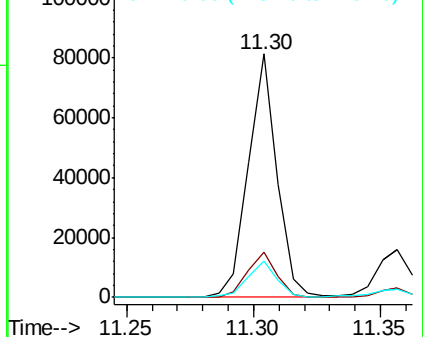
#71
Phenanthrene
Concen: 3.692 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Instrument :
BNA_F
ClientSampled :
11940

Tot Ion:178 Resp: 64232
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.8 12.2 18.4

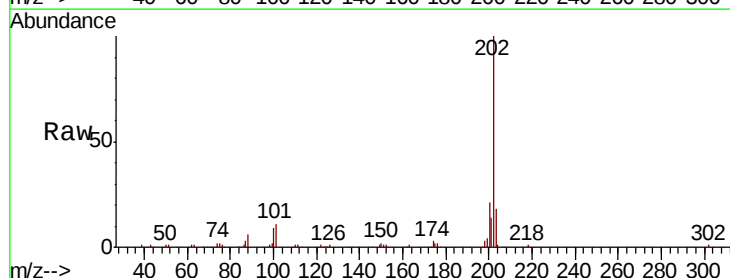


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

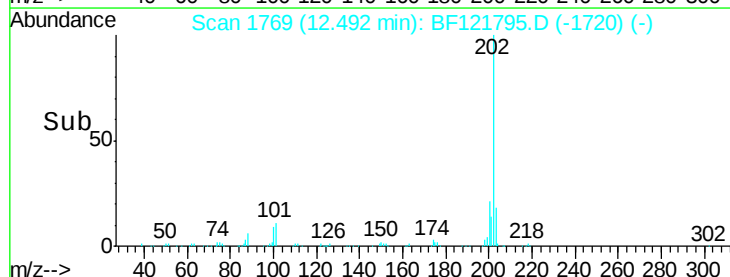
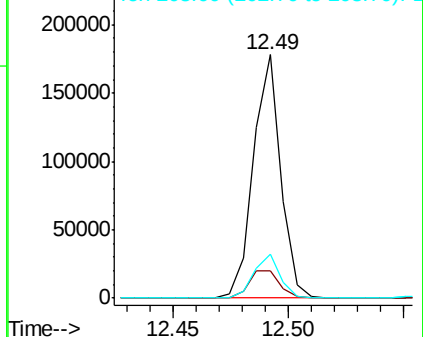


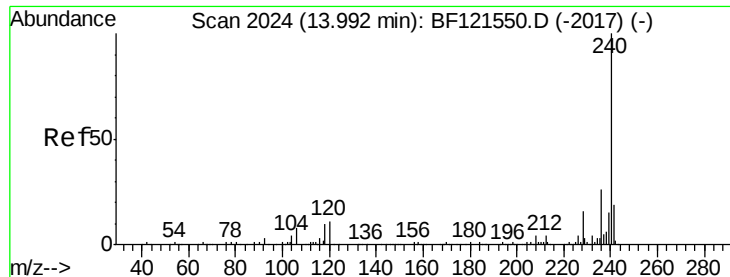
#75
Fluoranthene
Concen: 7.964 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Tgt Ion:202 Resp: 147900
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.4
203 17.9 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# 2011

Delta R.T. -0.02 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11940

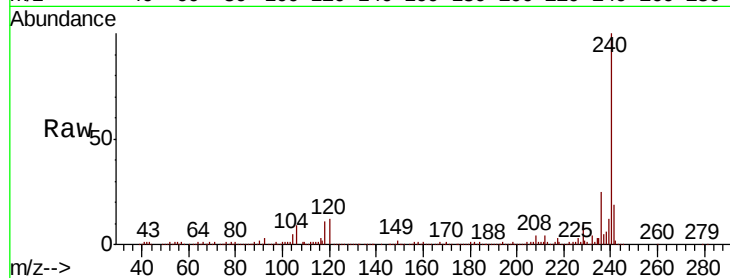
Tot Ion:240 Resp: 243172

Ion Ratio Lower Upper

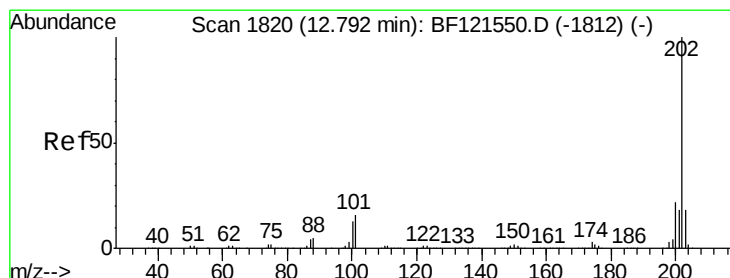
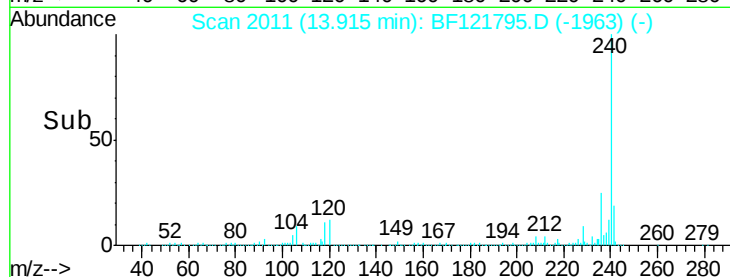
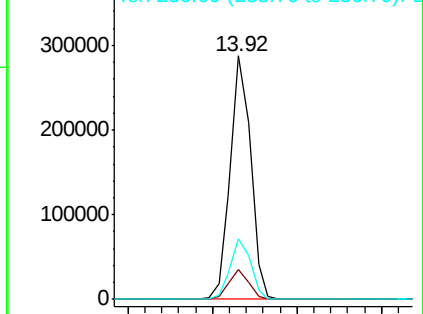
240 100

120 12.4 9.2 13.8

236 25.0 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: 7.483 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

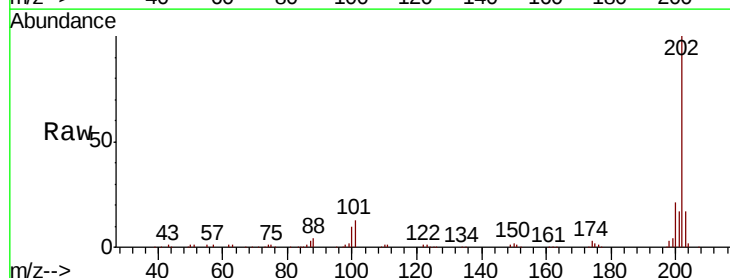
Tgt Ion:202 Resp: 132946

Ion Ratio Lower Upper

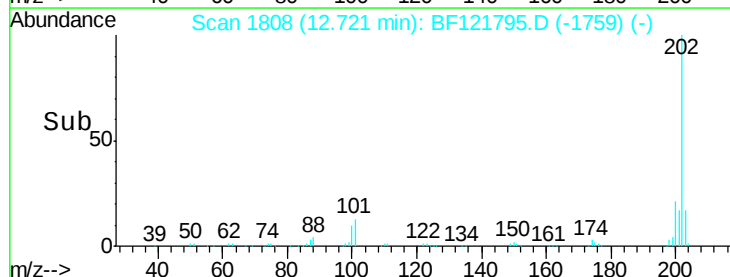
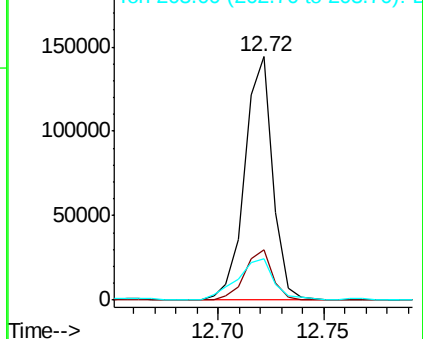
202 100

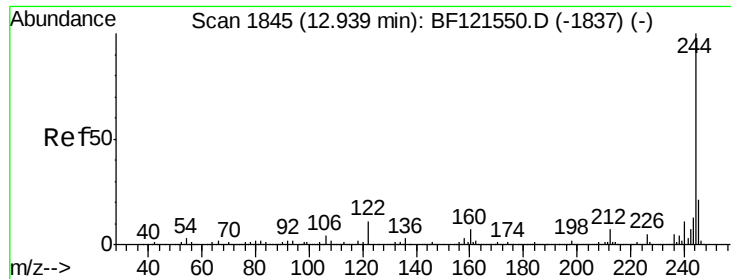
200 20.6 17.4 26.2

203 16.9 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: 62.063 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

Instrument :

BNA_F

ClientSampled :

11940

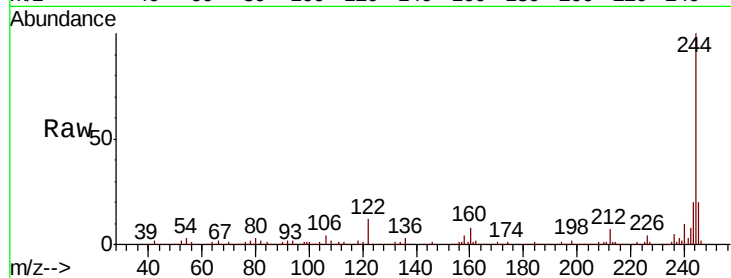
Tot Ion:244 Resp: 744950

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

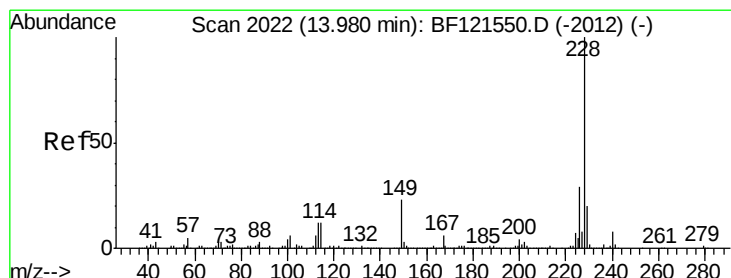
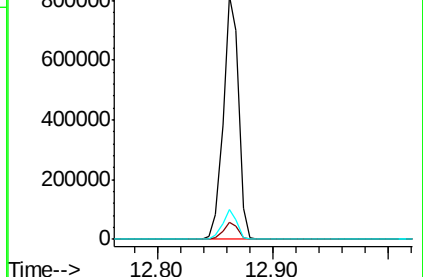
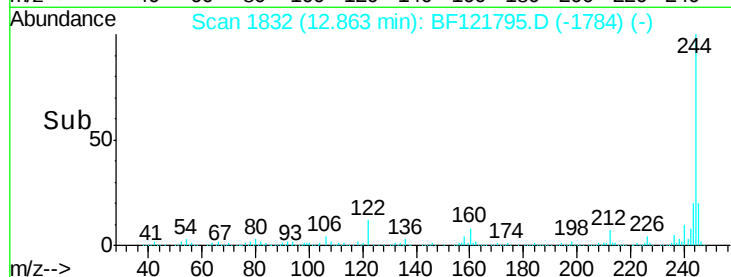
122 12.4 8.1 12.1#



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: 4.831 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

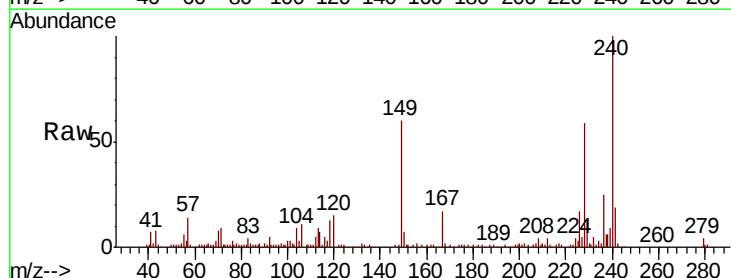
Tgt Ion:228 Resp: 74319

Ion Ratio Lower Upper

228 100

226 29.3 22.3 33.5

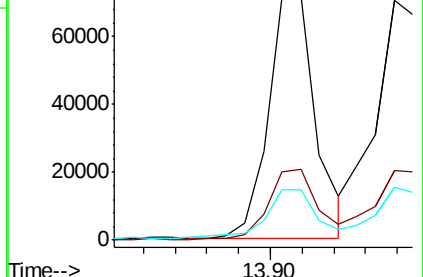
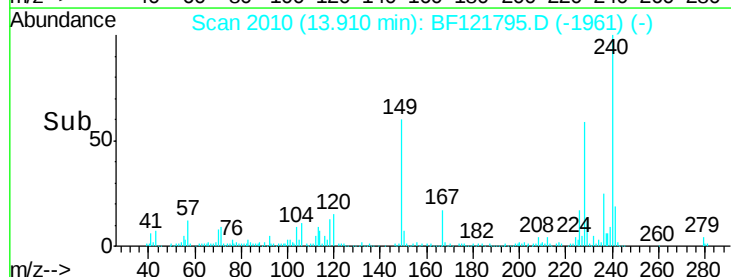
229 20.7 16.2 24.4

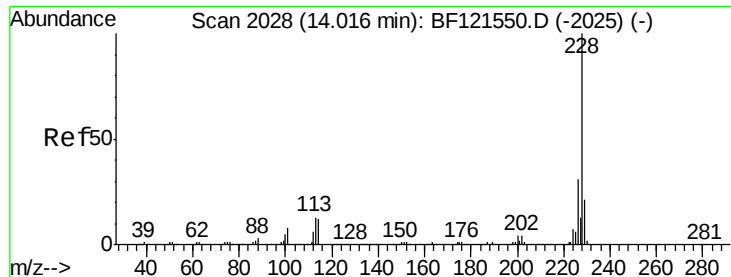


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrvsene

Concen: 4.839 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

Instrument :

BNA_F

ClientSampleId :

11940

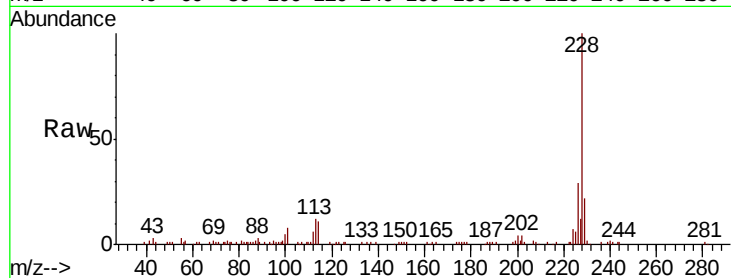
Tot Ion:228 Resp: 75390

Ion Ratio Lower Upper

228 100

226 29.2 24.6 37.0

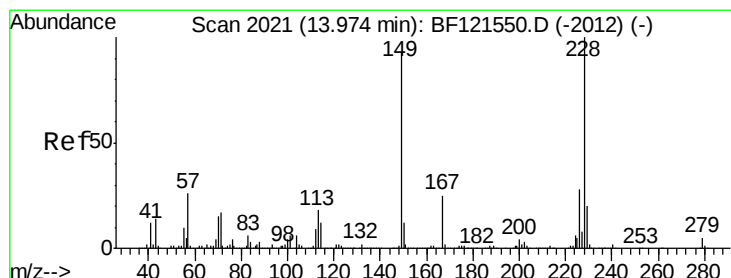
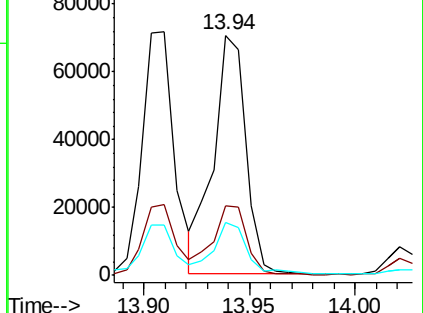
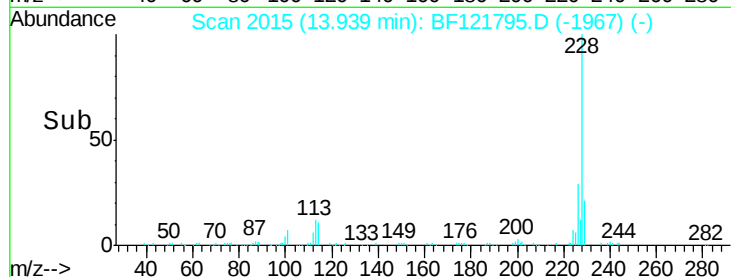
229 22.1 15.9 23.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 36.122 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF121795.D

Acq: 2 Oct 2020 15:40

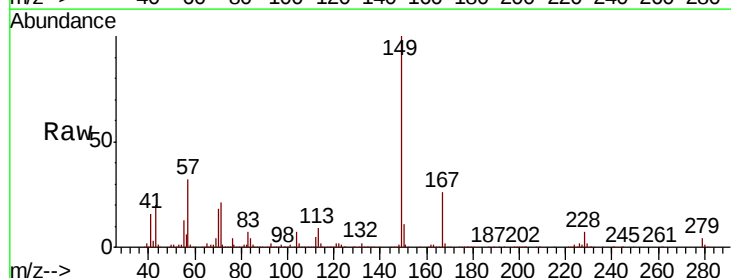
Tgt Ion:149 Resp: 346748

Ion Ratio Lower Upper

149 100

167 25.7 20.9 31.3

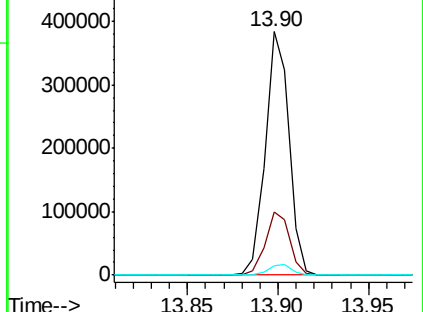
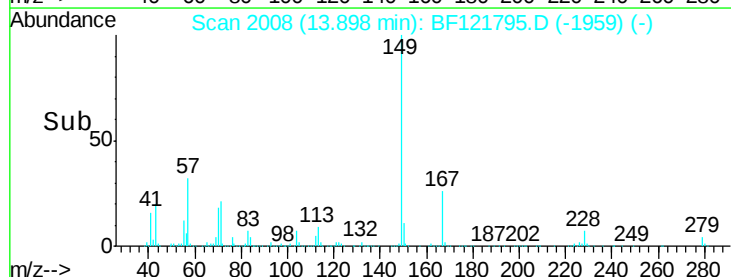
279 3.8 3.2 4.8

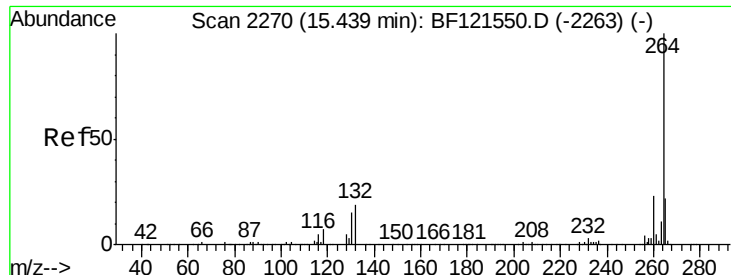


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

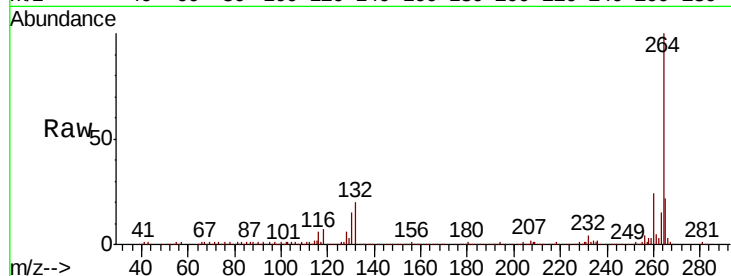




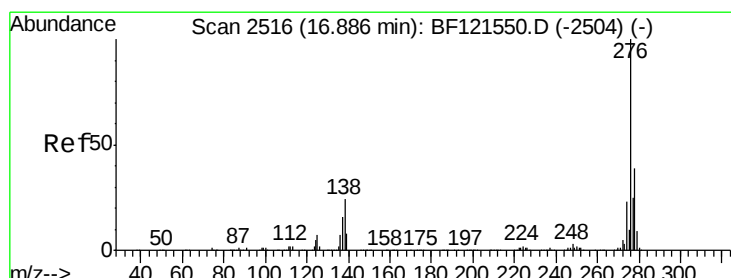
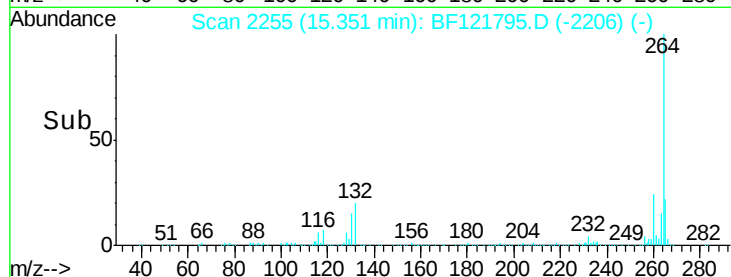
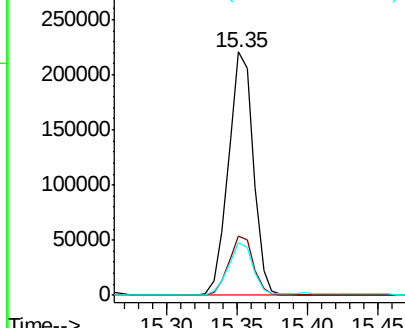
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Instrument :
BNA_F
ClientSampleId :
11940

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.6	17.3	25.9

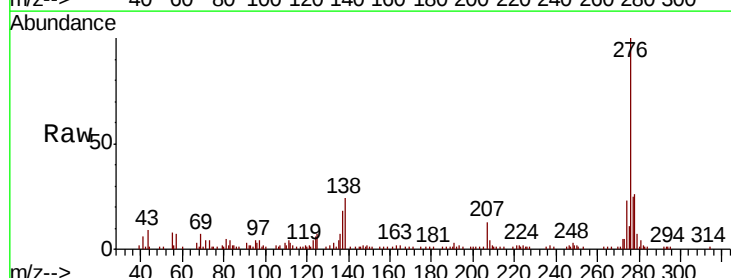


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

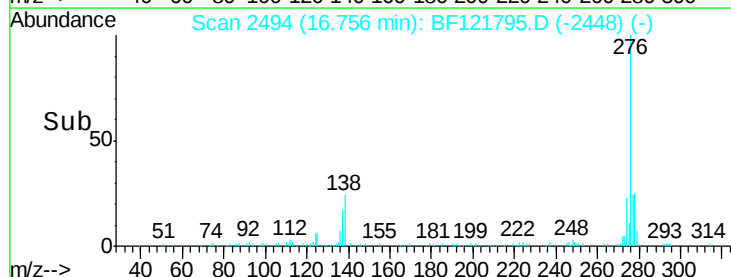
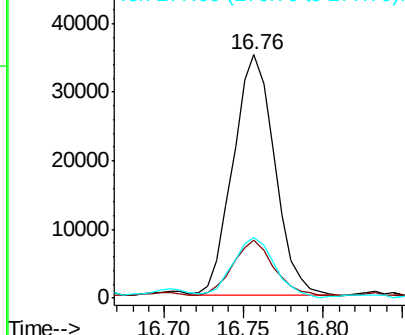


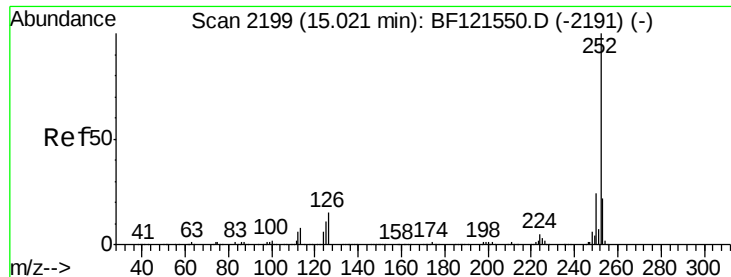
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.595 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.03 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	19.9	29.9
277	25.9	20.4	30.6



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

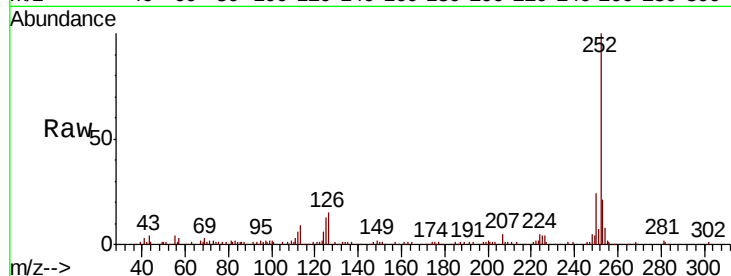




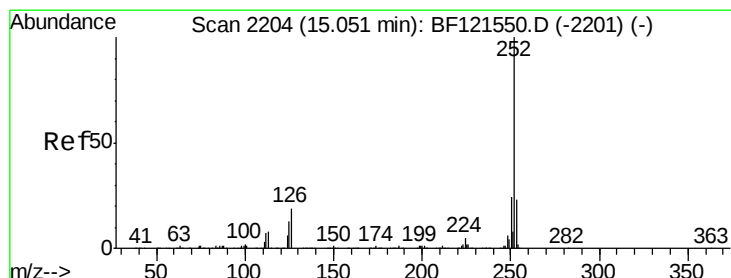
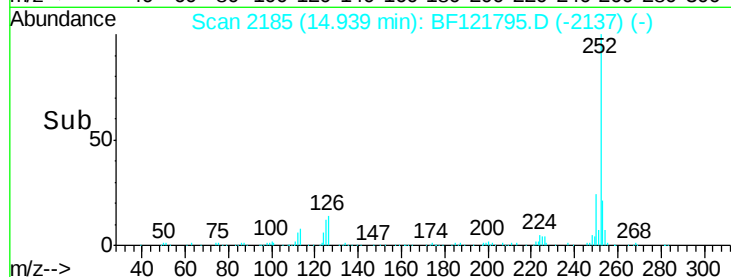
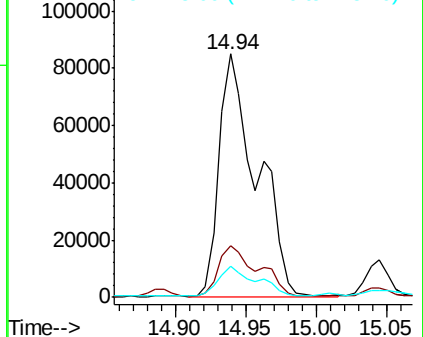
#88
Benzo(b)fluoranthene
Concen: 8.690 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Instrument :
BNA_F
ClientSampleId :
11940

Tot Ion:252 Resp: 158385
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 12.7 8.0 12.0#

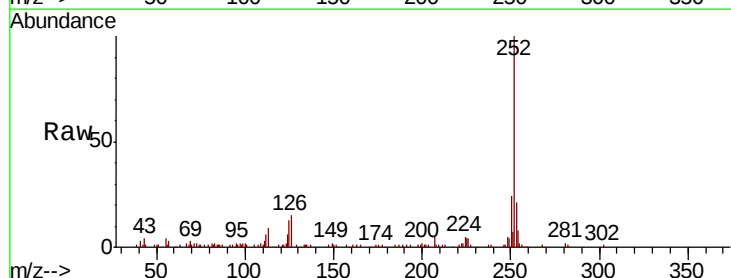


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

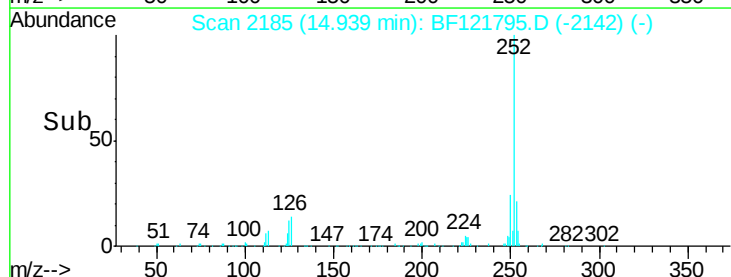
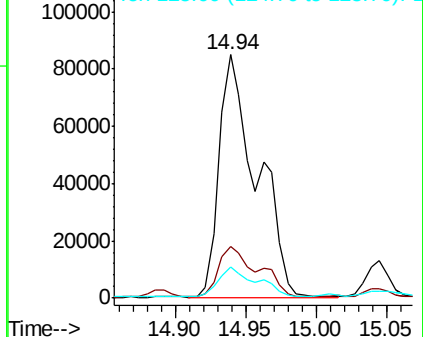


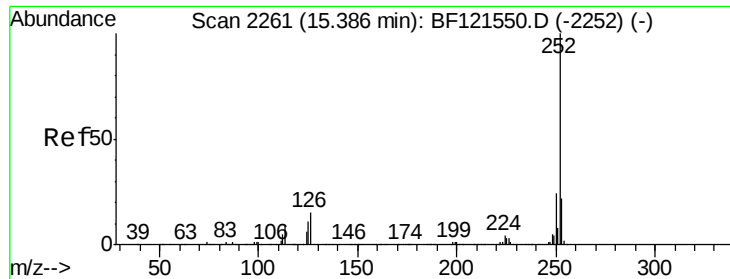
#89
Benzo(k)fluoranthene
Concen: 9.490 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.05 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Tgt Ion:252 Resp: 158385
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 12.7 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

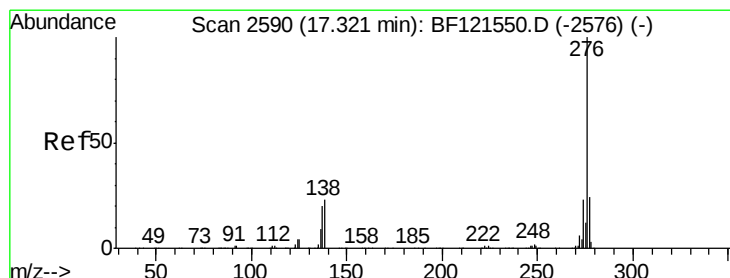
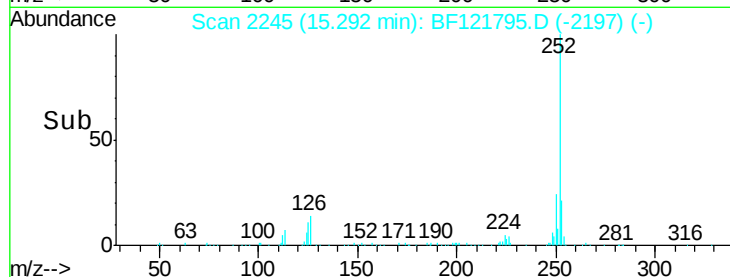
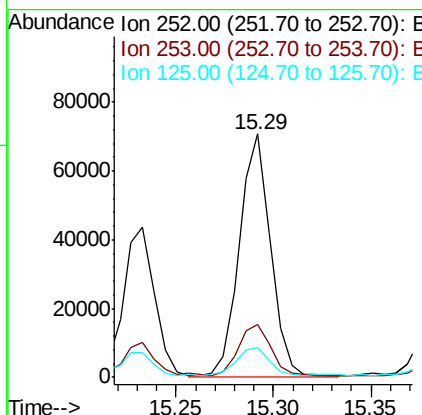
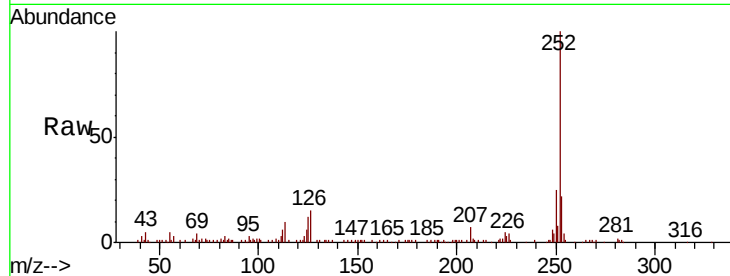




#90
Benzo(a)pyrene
Concen: 5.111 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Instrument :
BNA_F
ClientSampleId :
11940

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.4	8.6	13.0



#92
Benzo(g,h,i)perylene
Concen: 4.303 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.03 min
Lab File: BF121795.D
Acq: 2 Oct 2020 15:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.4	29.2
138	24.1	17.8	26.6

