

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121140.D
 Acq On : 30 Jul 2020 21:21
 Operator : JU/CG
 Sample : L3436-10 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10

Quant Time: Jul 31 00:33:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	132102	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	506928	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	254243	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	443785	20.00	ng	0.00
76) Chrysene-d12	13.97	240	329843	20.00	ng	0.00
86) Perylene-d12	15.43	264	322013	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	152361	18.91	ng	-0.01
7) Phenol-d6	6.43	99	195009	18.73	ng	-0.02
23) Nitrobenzene-d5	7.36	82	112215	12.81	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	44016	15.82	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	240921	14.15	ng	0.00
79) Terphenyl-d14	12.91	244	211150	13.92	ng	0.00

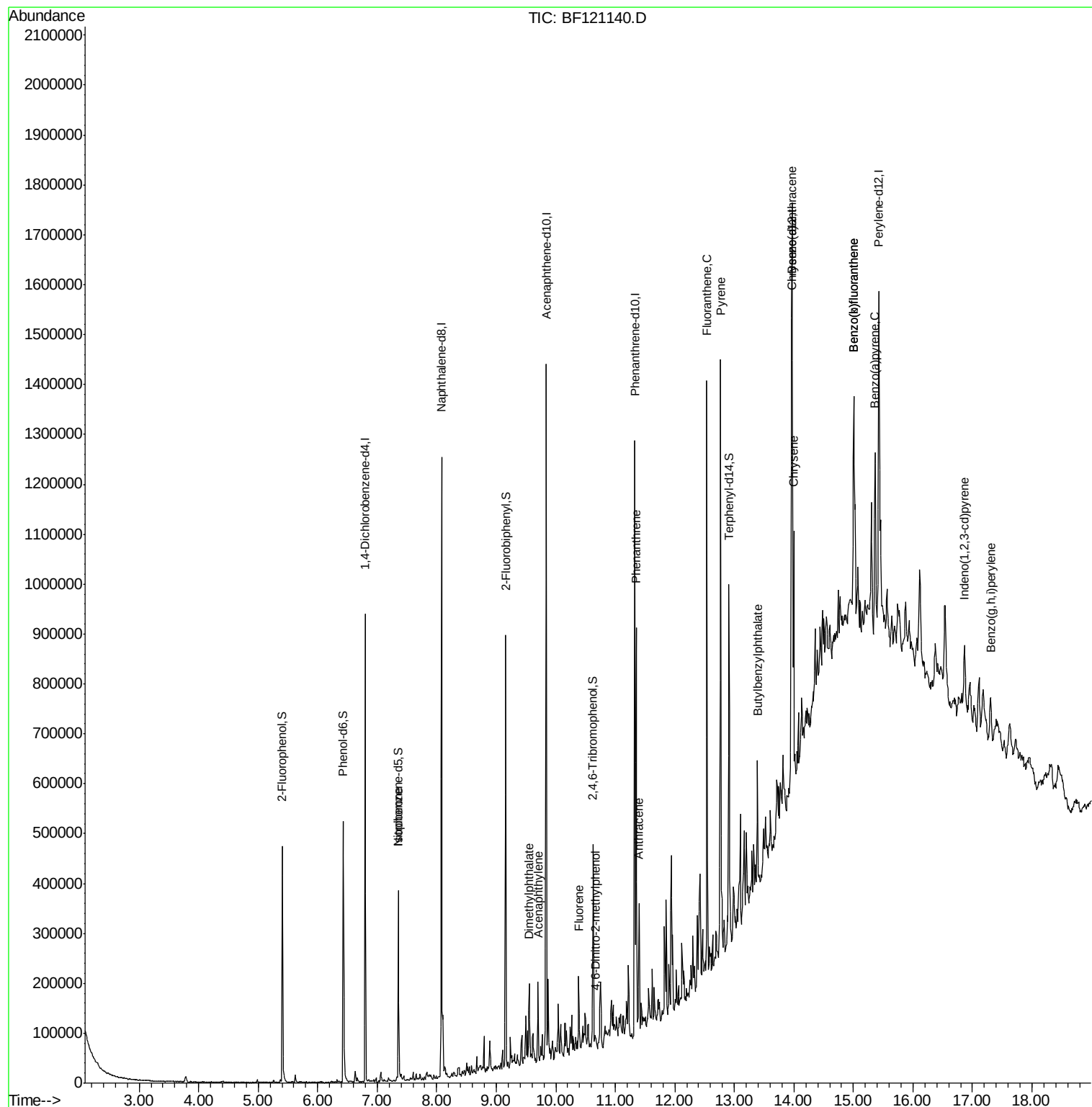
Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	370	Below Cal	#	13
25) Isophorone	7.36	82	109080	6.239 ng	#	62
49) Acenaphthylene	9.70	152	53021	2.158 ng		99
50) Dimethylphthalate	9.55	163	43726	2.384 ng	#	99
58) Fluorene	10.39	166	38166	2.266 ng		96
65) 4,6-Dinitro-2-methylphenol	10.66	198	462	4.008 ng	#	1
71) Phenanthrene	11.35	178	271473	11.894 ng		99
72) Anthracene	11.40	178	103502	4.516 ng		98
75) Fluoranthene	12.54	202	489852	19.363 ng		98
78) Pyrene	12.77	202	501457	21.503 ng		99
80) Butylbenzylphthalate	13.39	149	54498	5.242 ng		94
81) Benzo(a)anthracene	13.96	228	235857	11.808 ng		95
83) Chrysene	14.00	228	224533	10.697 ng		96
87) Indeno(1,2,3-cd)pyrene	16.87	276	89508	3.997 ng		98
88) Benzo(b)fluoranthene	15.00	252	331436	17.028 ng	#	94
89) Benzo(k)fluoranthene	15.00	252	331436	18.671 ng	#	94
90) Benzo(a)pyrene	15.36	252	181655	10.229 ng	#	94
92) Benzo(g,h,i)perylene	17.30	276	84163	4.666 ng		94

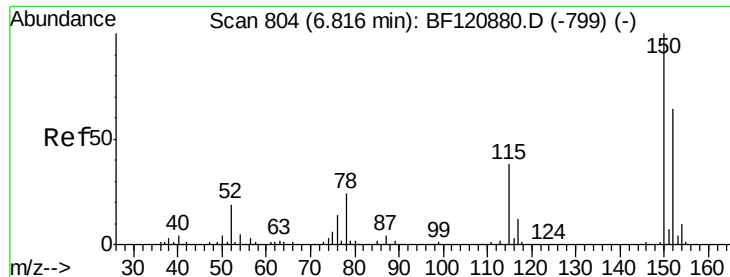
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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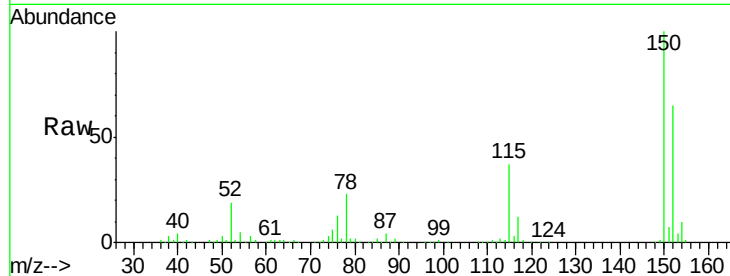


#1

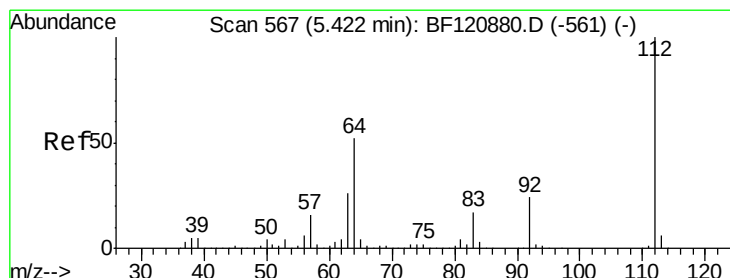
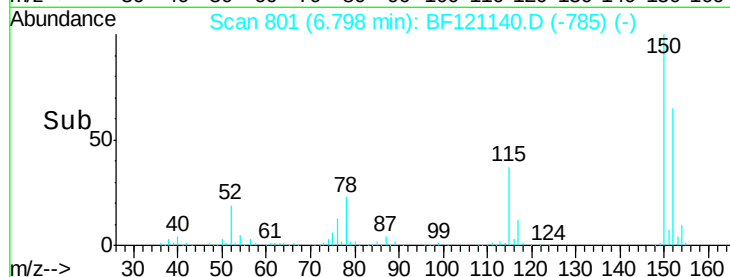
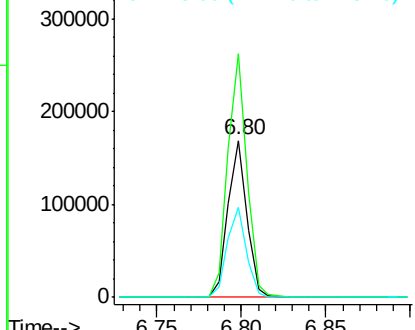
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion:152 Resp: 132102
Ion Ratio Lower Upper
152 100
150 154.9 125.6 188.4
115 57.3 46.2 69.2



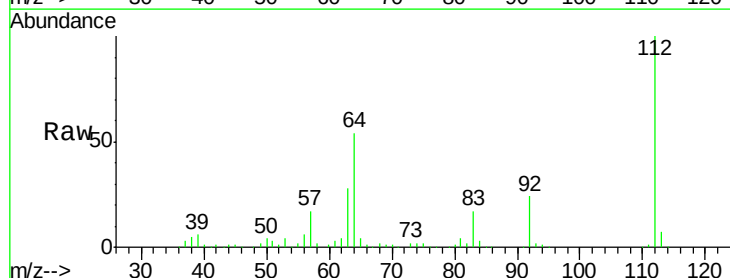
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



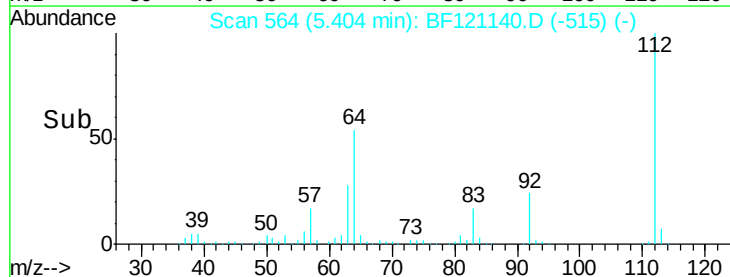
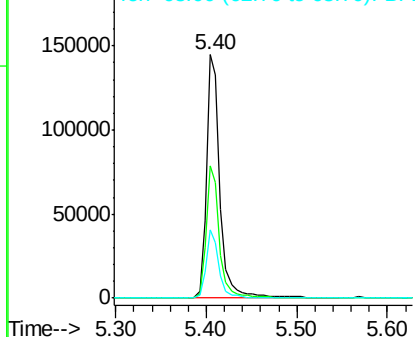
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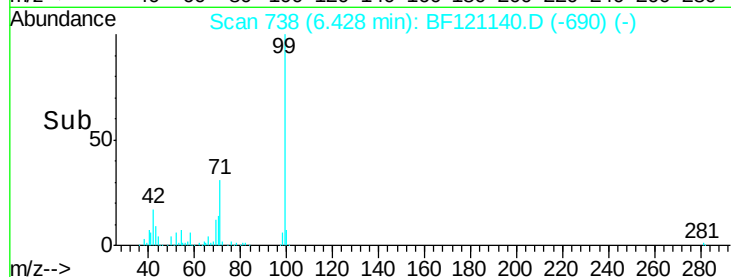
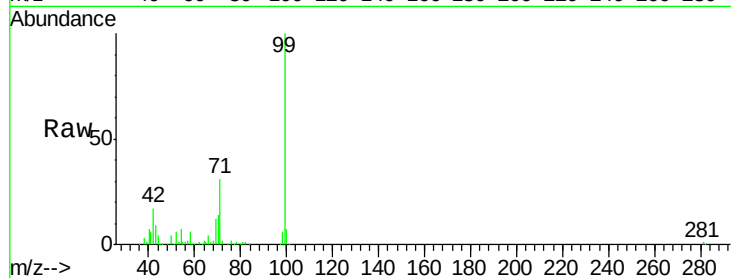
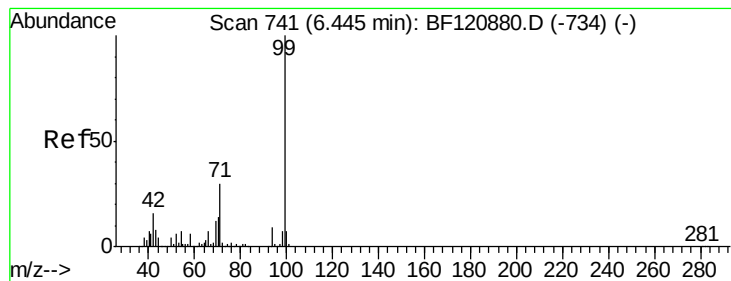
2-Fluorophenol
Concen: 18.908 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion:112 Resp: 152361
Ion Ratio Lower Upper
112 100
64 54.1 43.9 65.9
63 27.9 22.7 34.1



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: 18.734 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

10

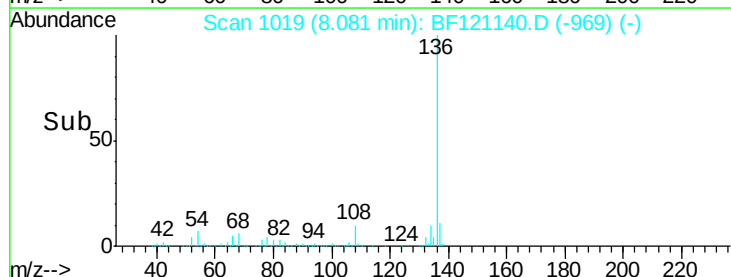
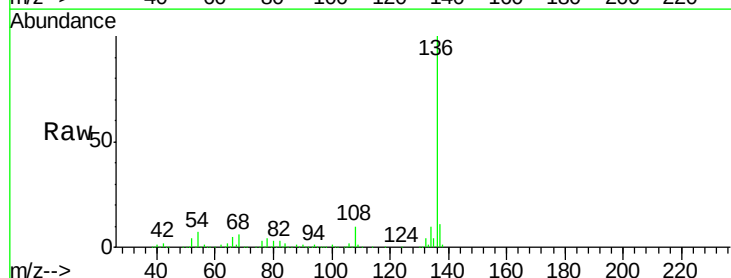
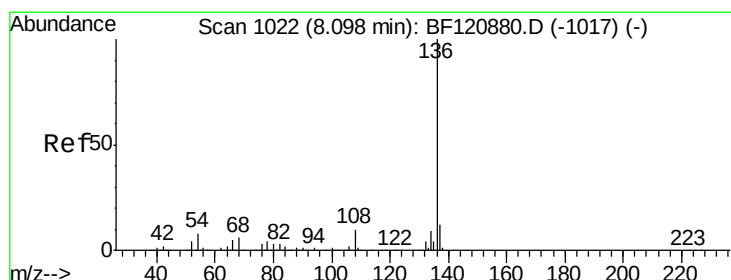
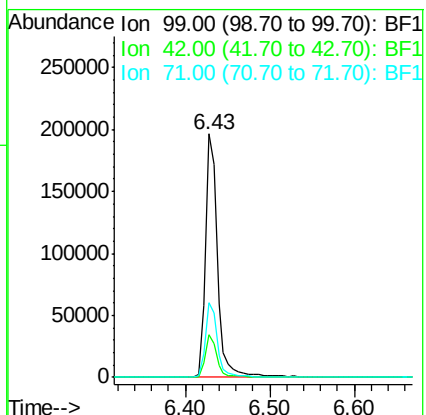
Tot Ion: 99 Resp: 195009

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 30.8 25.0 37.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Tgt Ion: 136 Resp: 506928

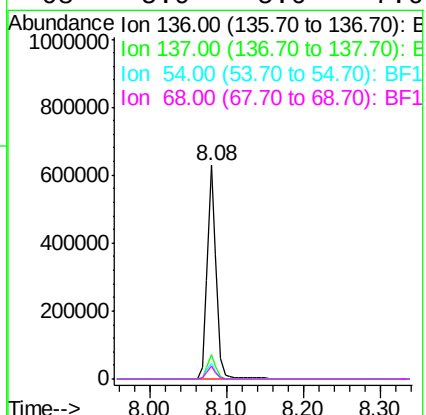
Ion Ratio Lower Upper

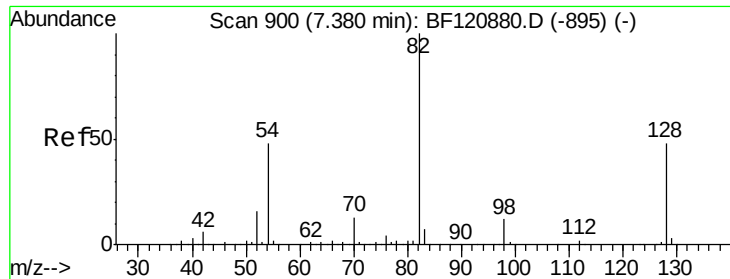
136 100

137 11.2 9.0 13.4

54 7.5 6.1 9.1

68 5.9 5.0 7.6

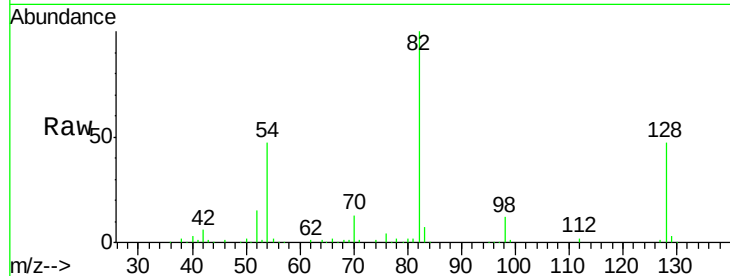




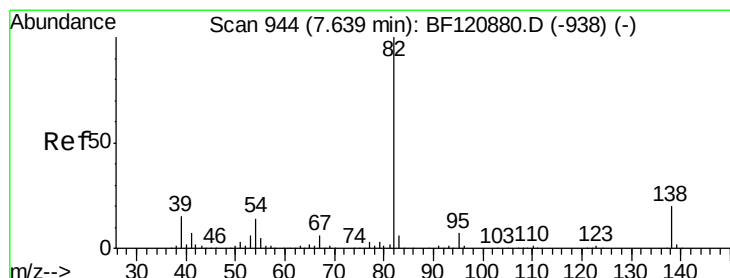
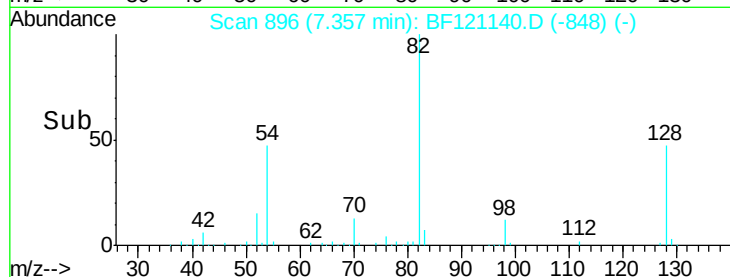
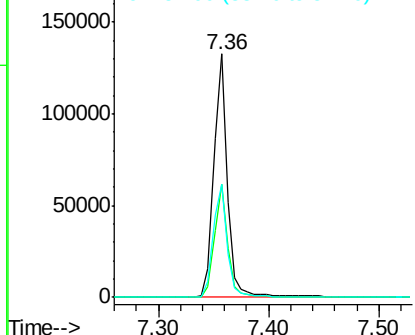
#23
Nitrobenzene-d5
Concen: 12.809 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampled :
10

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	39.2	58.8
54	46.7	37.8	56.8

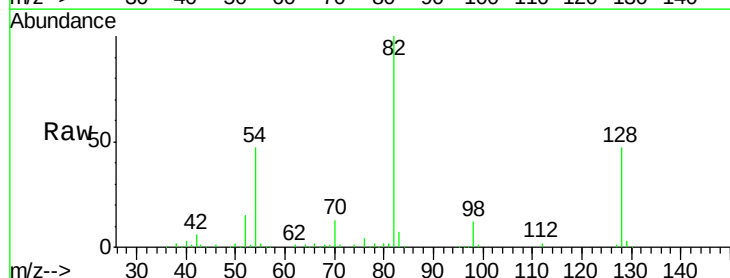


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

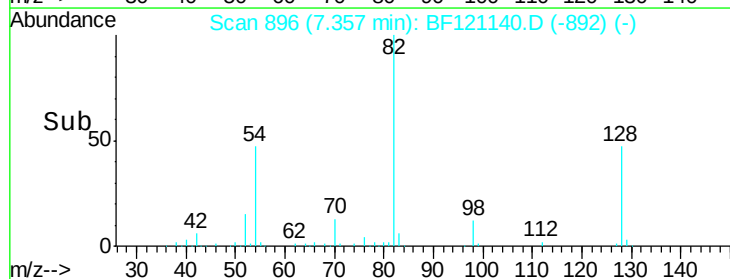
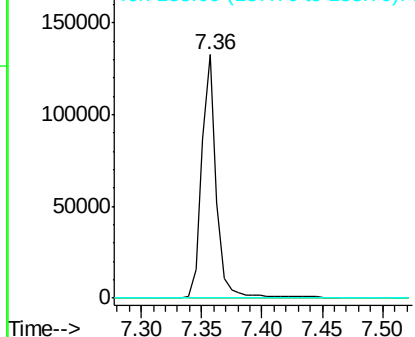


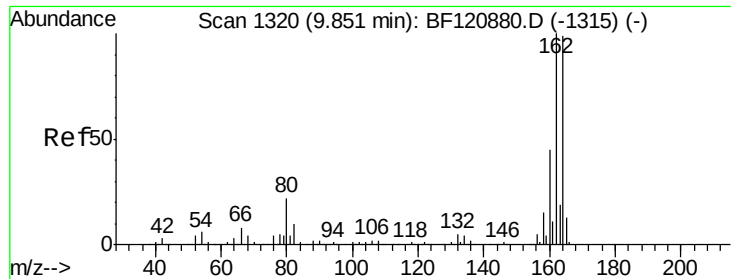
#25
Isophorone
Concen: 6.239 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.28 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.5	8.3#
138	0.0	16.2	24.2#



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

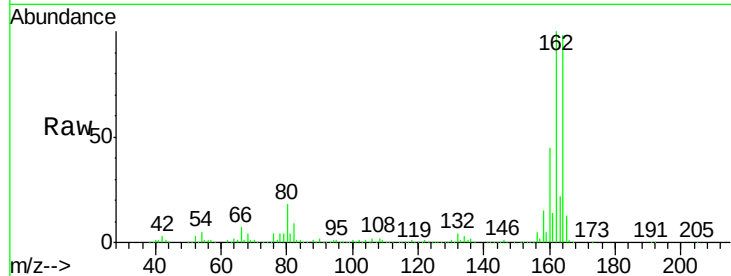




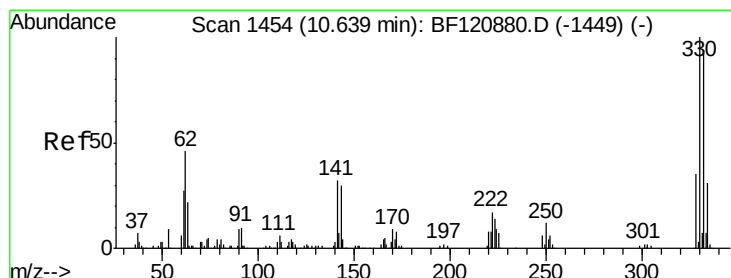
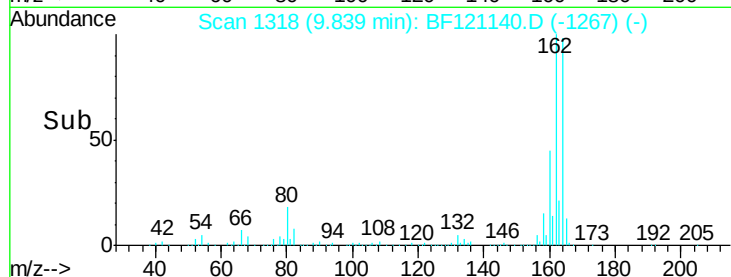
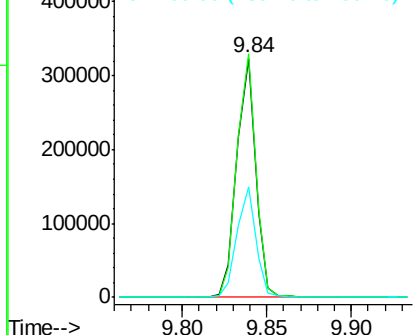
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :
10

Tot Ion:164 Resp: 254243
Ion Ratio Lower Upper
164 100
162 102.0 82.2 123.2
160 46.2 37.2 55.8

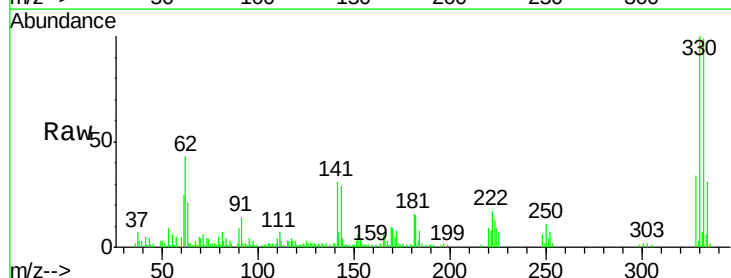


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

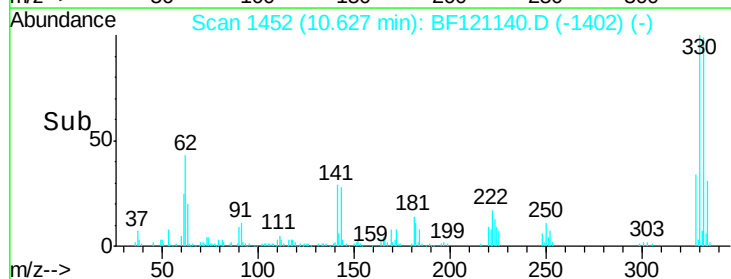
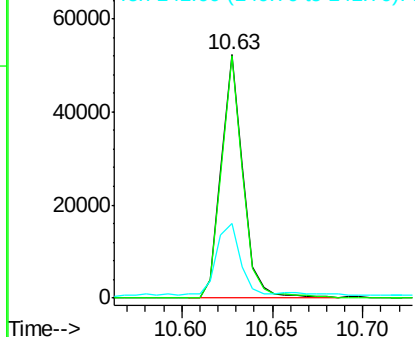


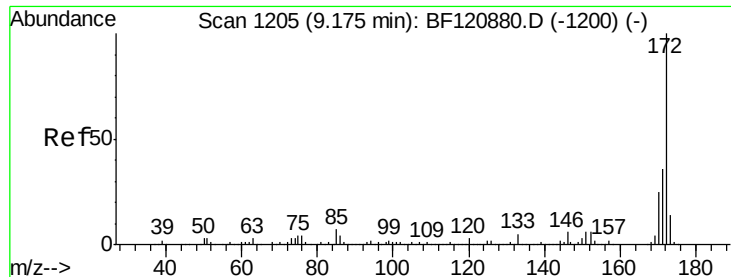
#42
2,4,6-Tribromophenol
Concen: 15.816 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion:330 Resp: 44016
Ion Ratio Lower Upper
330 100
332 97.7 76.1 114.1
141 32.7 24.1 36.1



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

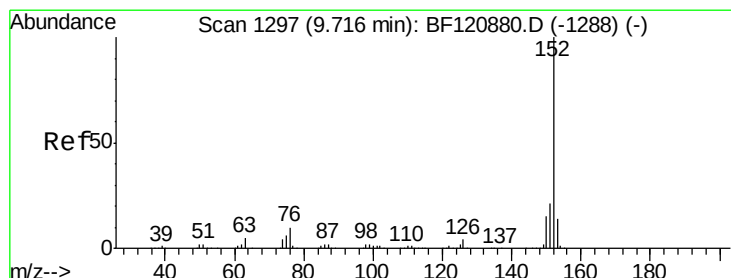
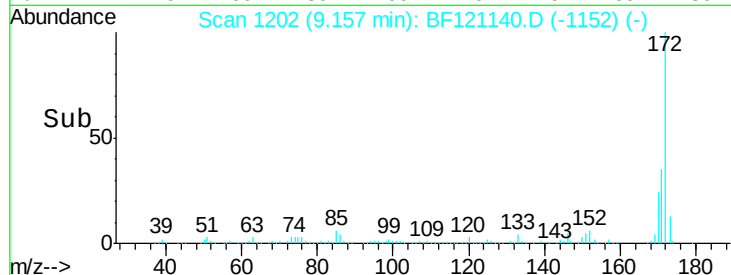
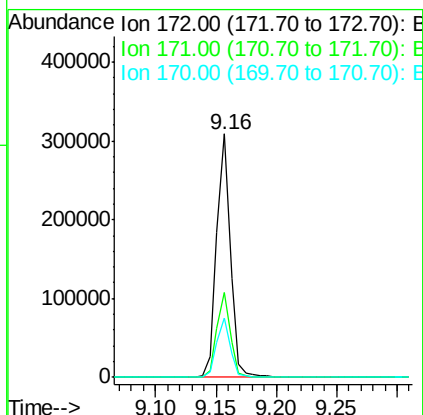
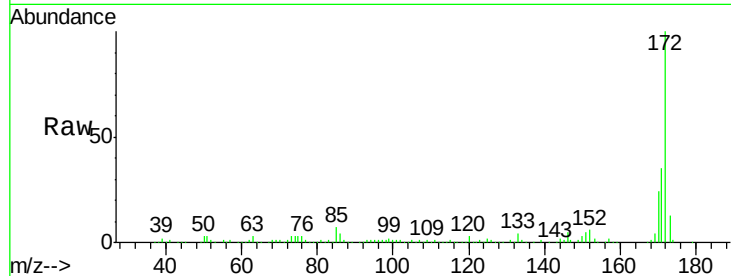




#45
2-Fluorobiphenyl
Concen: 14.148 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

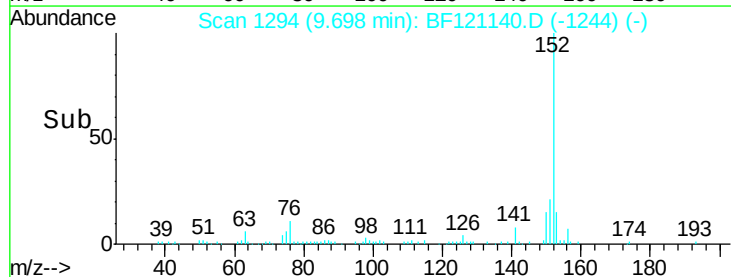
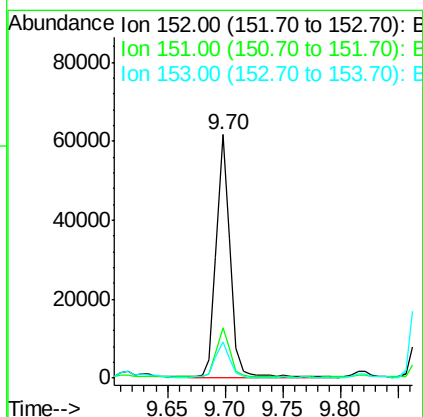
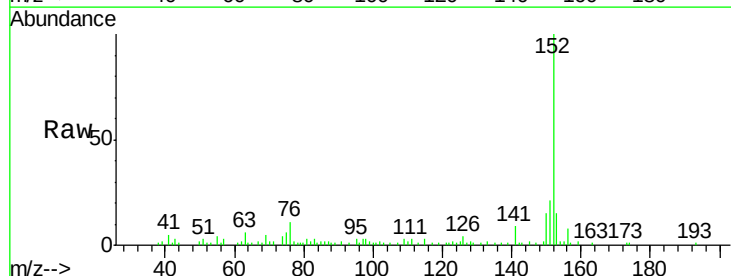
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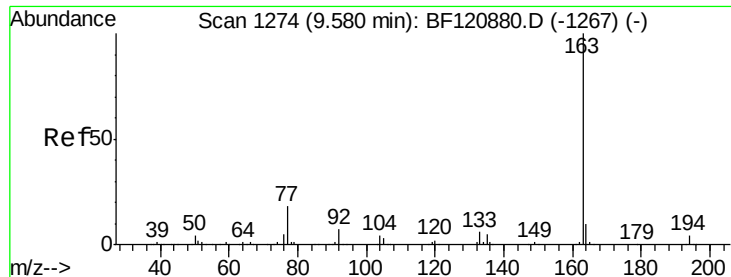
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	24.1	19.6	29.4



#49
Acenaphthylene
Concen: 2.158 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	25.0
153	14.7	11.0	16.4

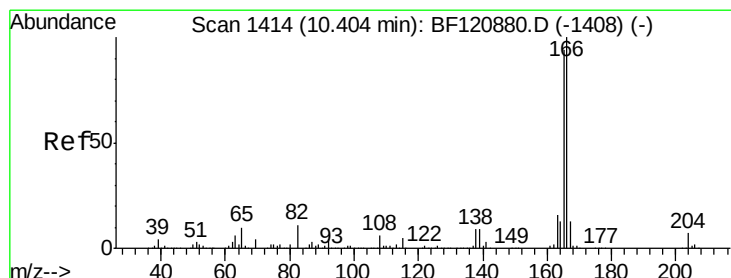
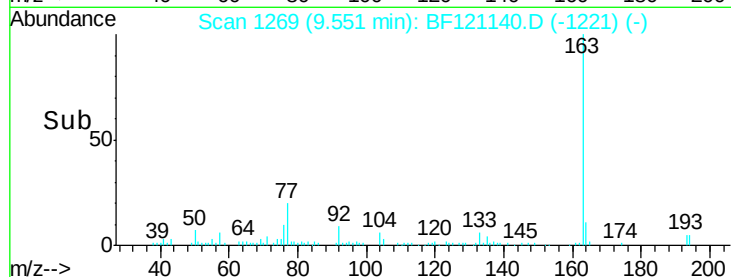
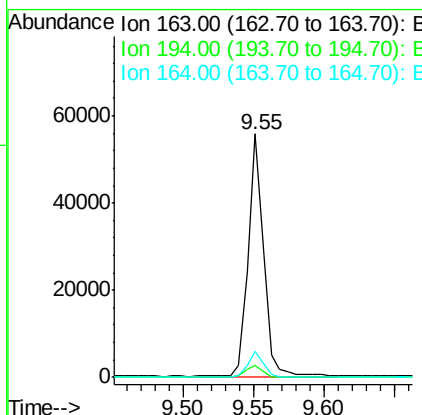
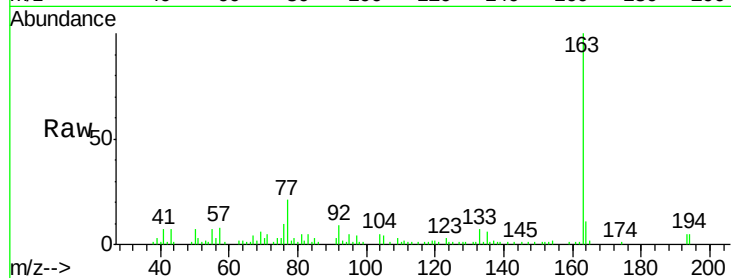




#50
Dimethylphthalate
Concen: 2.384 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

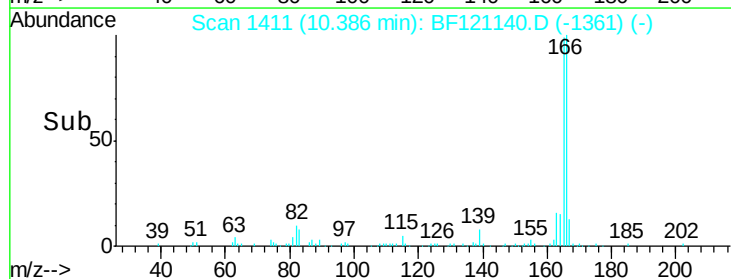
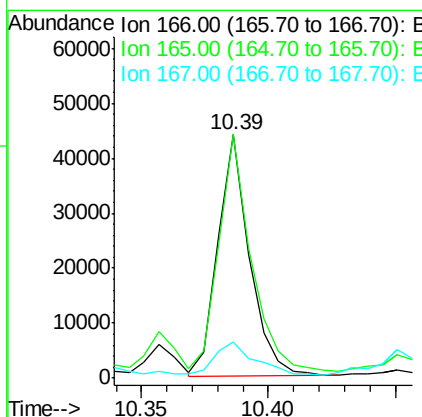
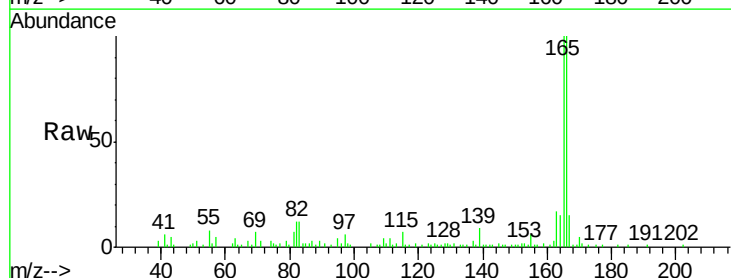
Instrument :
BNA_F
ClientSampleId :
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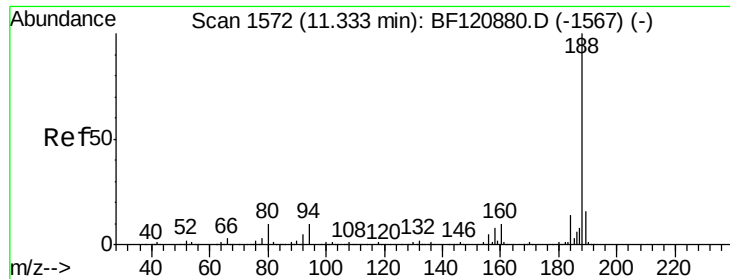
Tot Ion:163 Resp: 43726
Ion Ratio Lower Upper
163 100
194 4.8 3.0 4.4#
164 10.7 8.4 12.6



#58
Fluorene
Concen: 2.266 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion:166 Resp: 38166
Ion Ratio Lower Upper
166 100
165 100.0 76.4 114.6
167 14.8 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

10

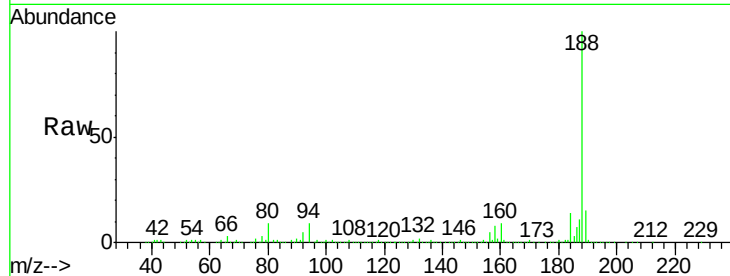
Tot Ion:188 Resp: 443785

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

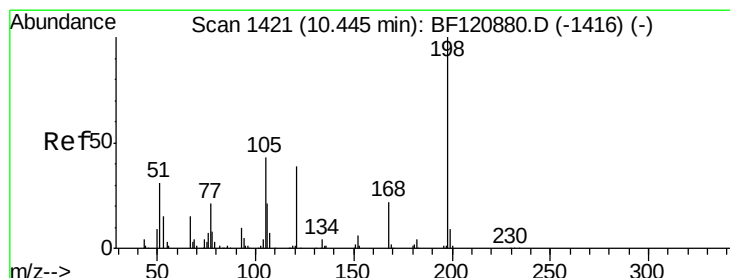
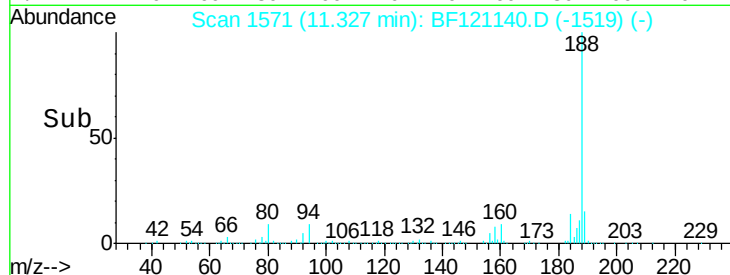
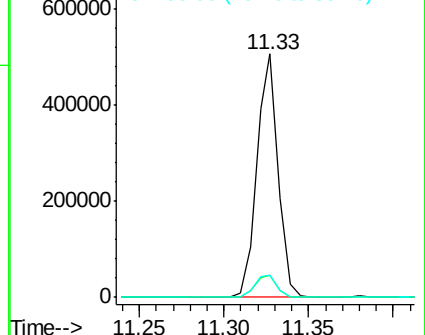
80 9.1 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.008 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.22 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

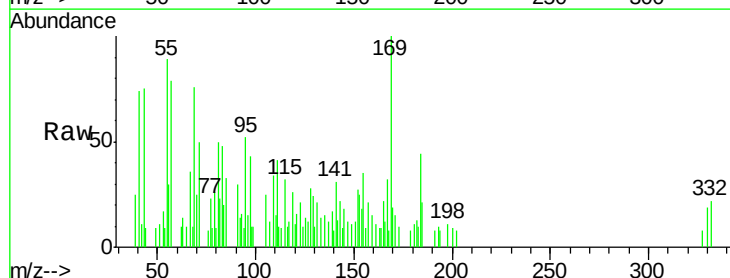
Tgt Ion:198 Resp: 462

Ion Ratio Lower Upper

198 100

51 99.1 23.4 63.4#

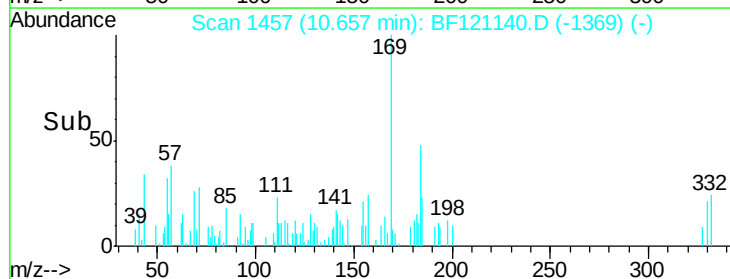
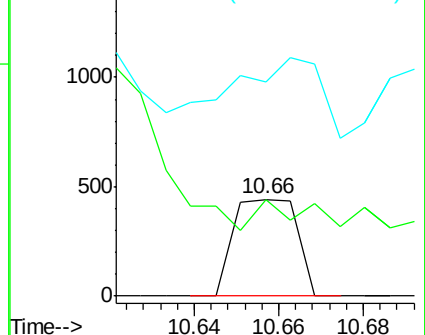
105 221.2 23.7 63.7#

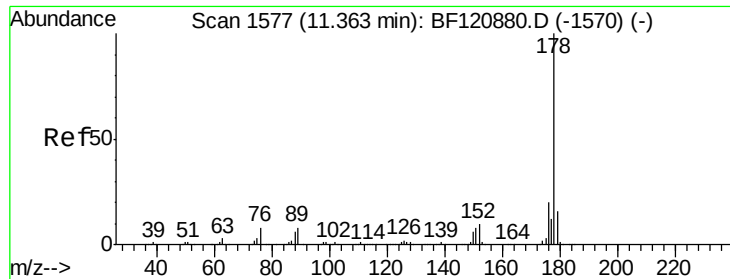


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

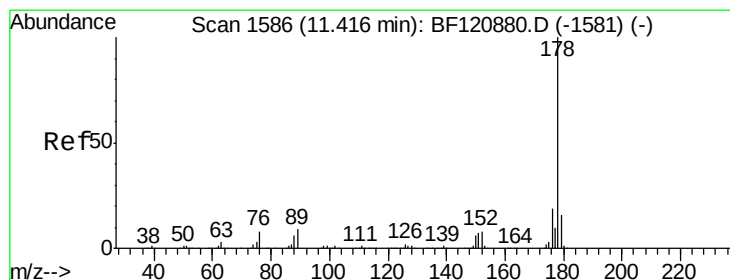
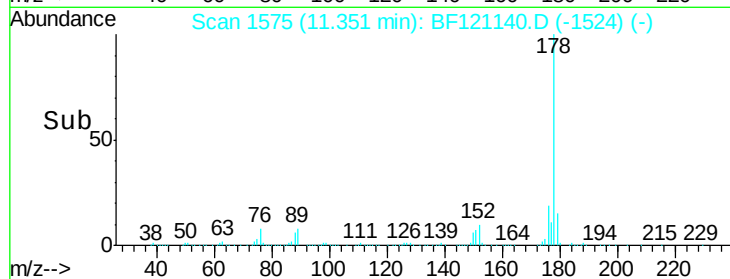
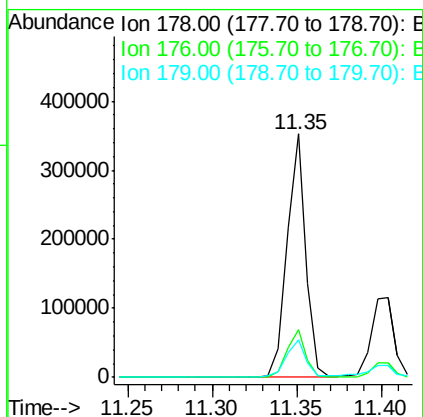
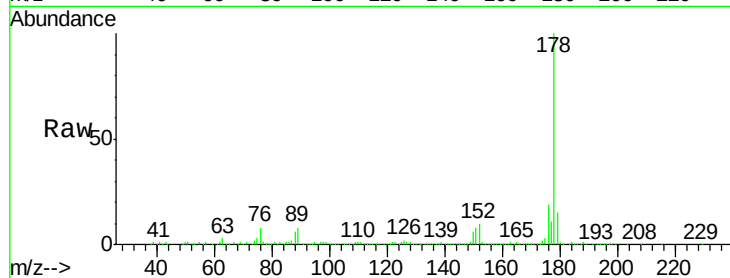




#71
 Phenanthrene
 Concen: 11.894 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

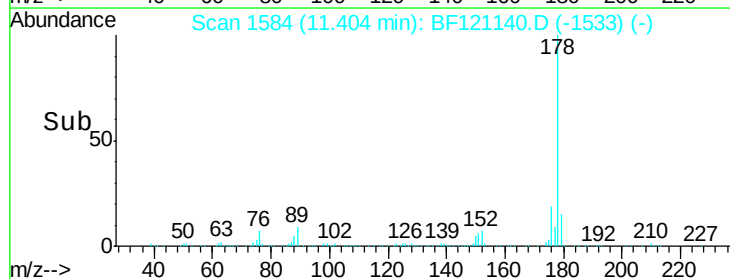
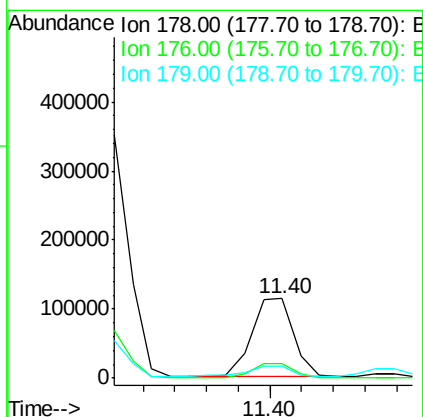
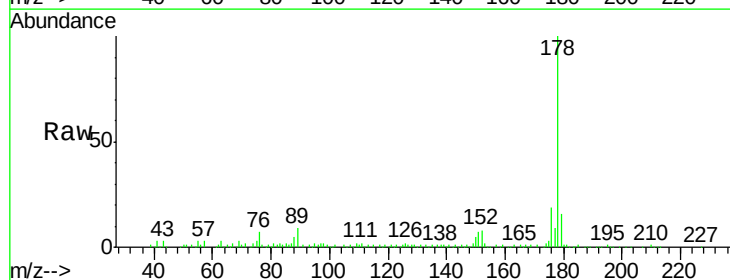
Instrument :
 BNA_F
 ClientSampleId :
 10

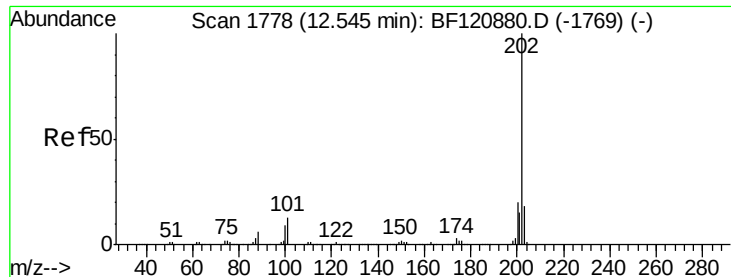
Tot Ion:178 Resp: 271473
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.2
 179 15.4 12.6 19.0



#72
 Anthracene
 Concen: 4.516 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

Tgt Ion:178 Resp: 103502
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.5 12.6 19.0





#75

Fluoranthene

Concen: 19.363 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

10

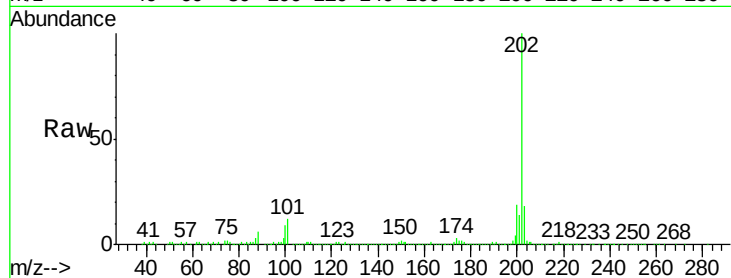
Tot Ion:202 Resp: 489852

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.5

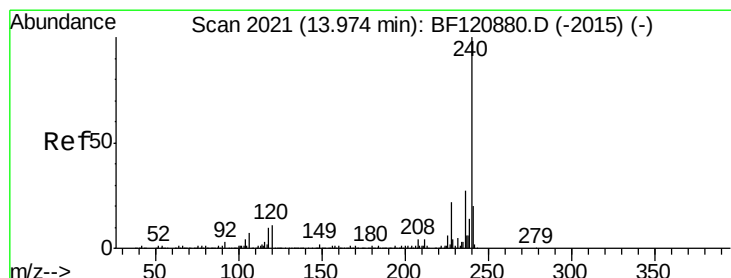
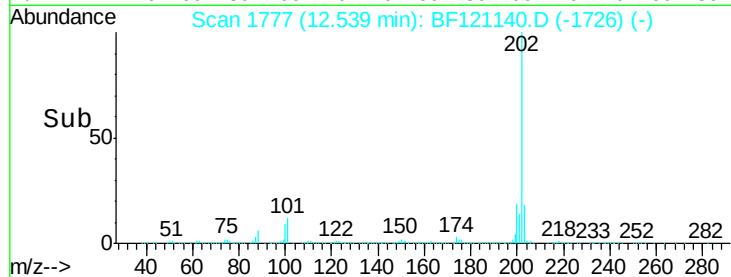
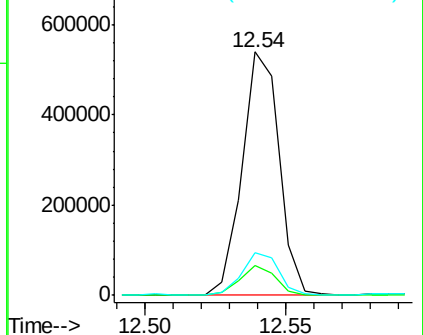
203 17.8 0.0 37.7



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: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

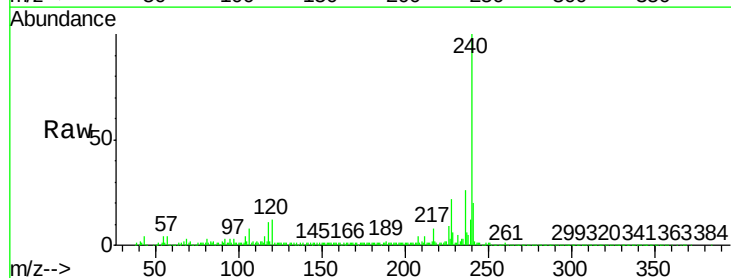
Tgt Ion:240 Resp: 329843

Ion Ratio Lower Upper

240 100

120 12.4 9.3 13.9

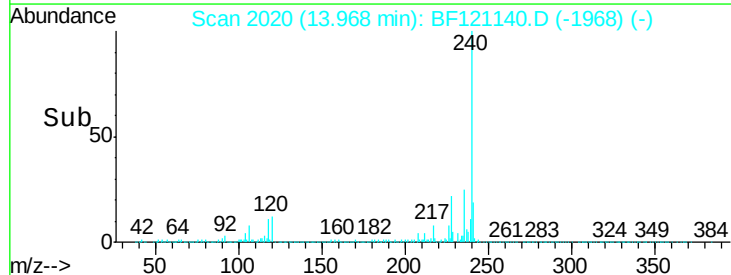
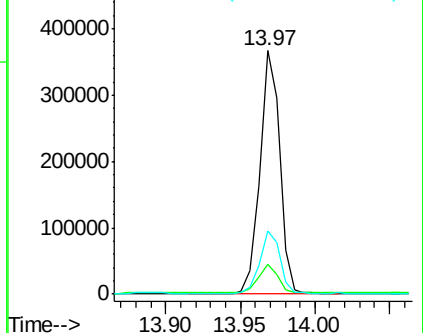
236 25.8 21.1 31.7

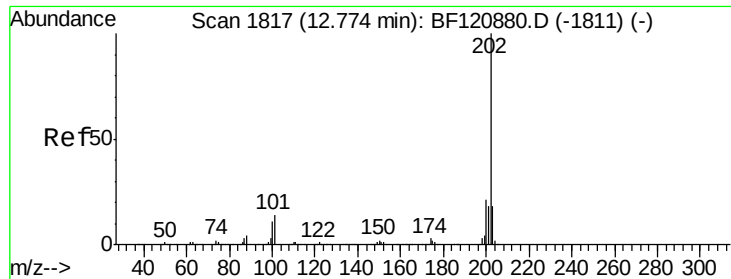


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

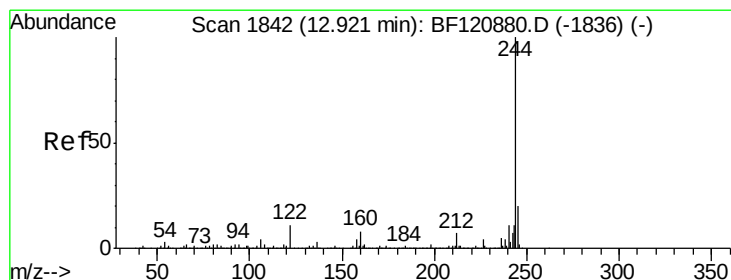
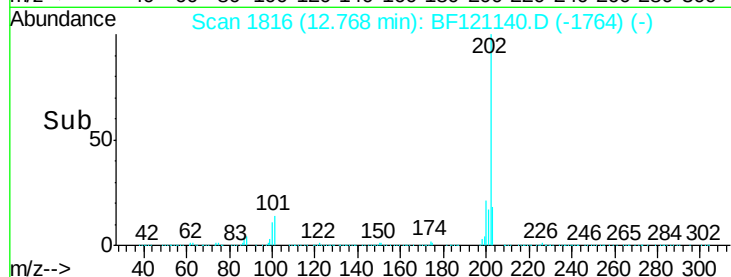
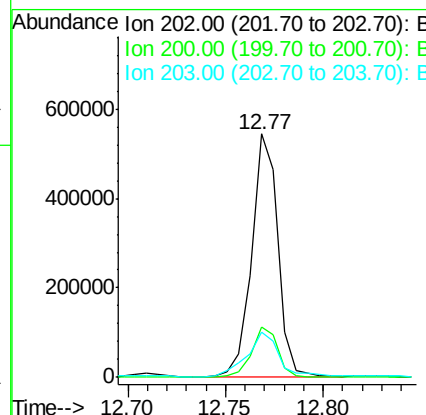
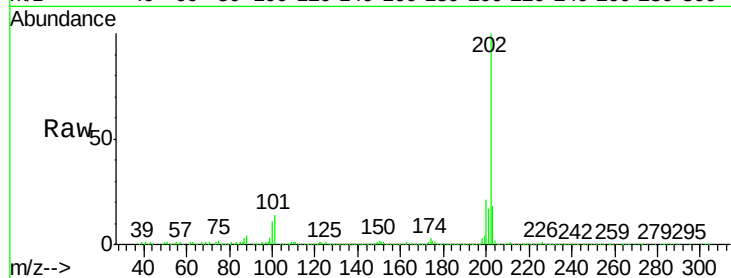




#78
 Pvrene
 Concen: 21.503 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

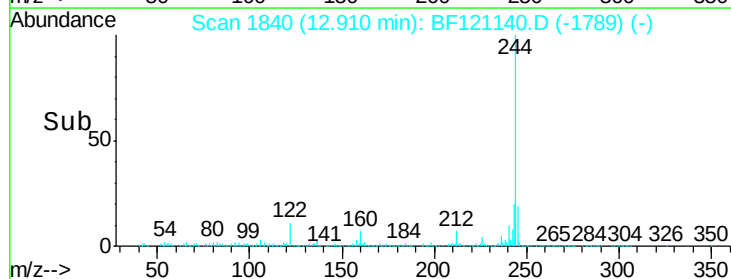
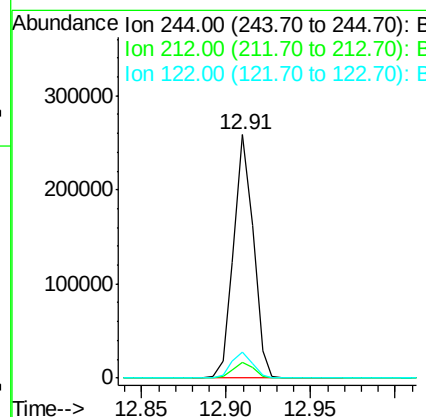
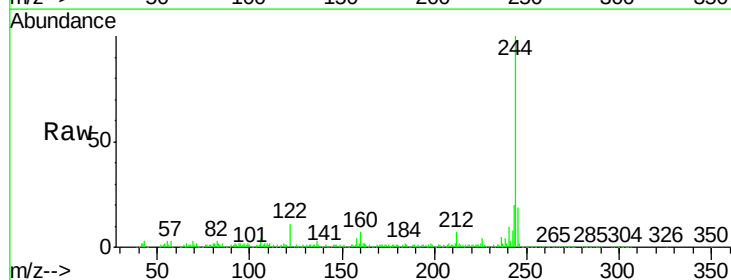
Instrument :
 BNA_F
 ClientSampleId :
 10

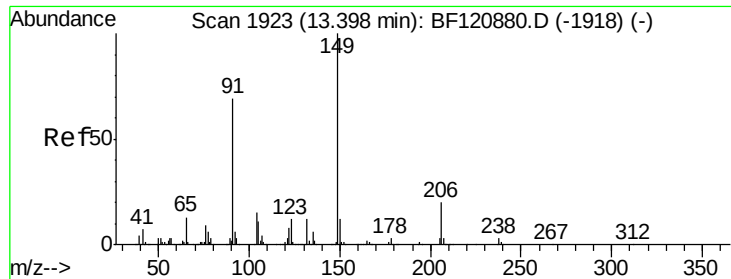
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	18.3	14.6	21.8



#79
 Terphenyl-d14
 Concen: 13.916 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.7	8.3	12.5

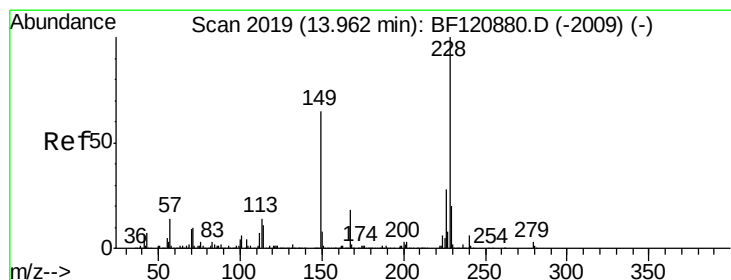
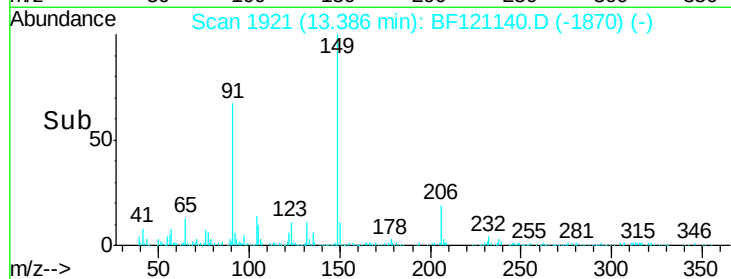
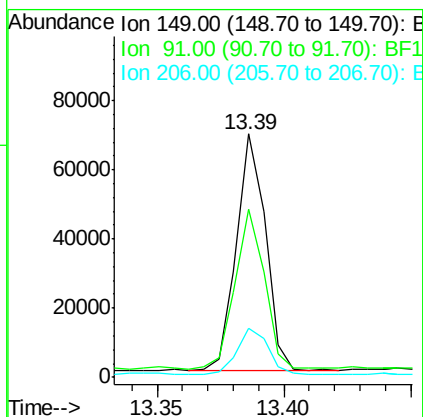
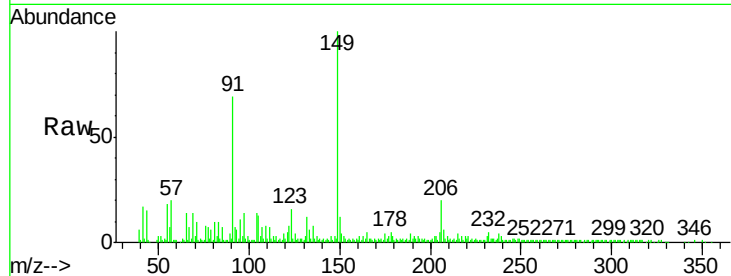




#80
Butylbenzylphthalate
Concen: 5.242 ng
RT: 13.39 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

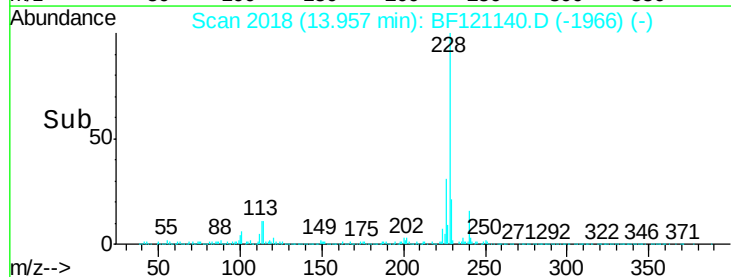
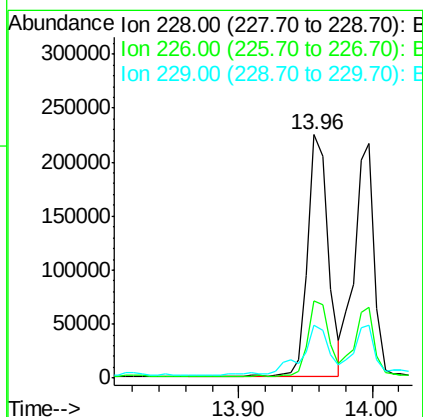
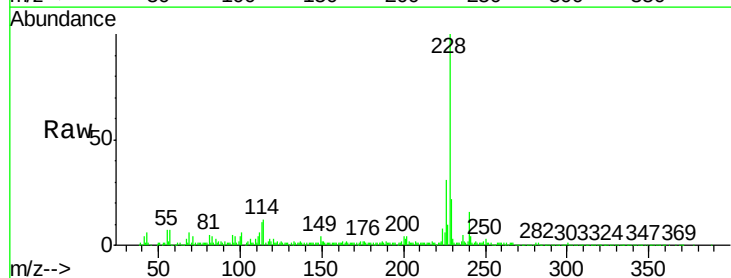
Instrument :
BNA_F
ClientSampleId :
10

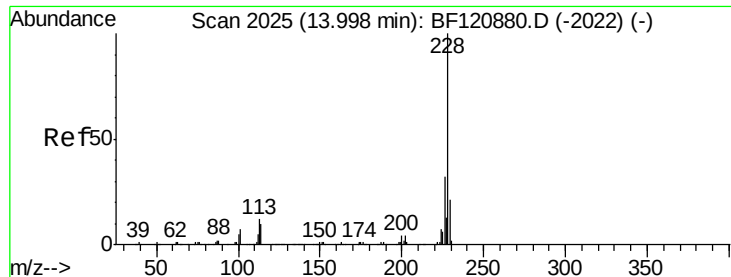
Tot Ion:149 Resp: 54498
Ion Ratio Lower Upper
149 100
91 68.9 51.4 77.0
206 19.9 17.9 26.9



#81
Benzo(a)anthracene
Concen: 11.808 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion:228 Resp: 235857
Ion Ratio Lower Upper
228 100
226 31.5 22.6 34.0
229 21.9 16.1 24.1

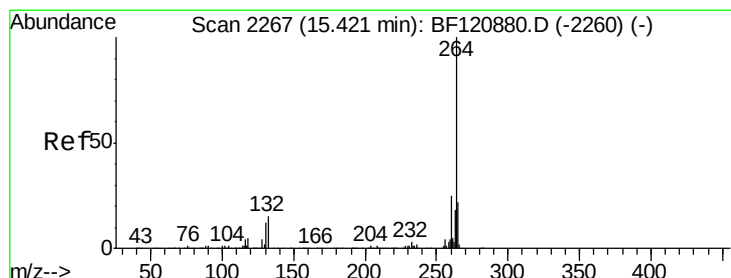
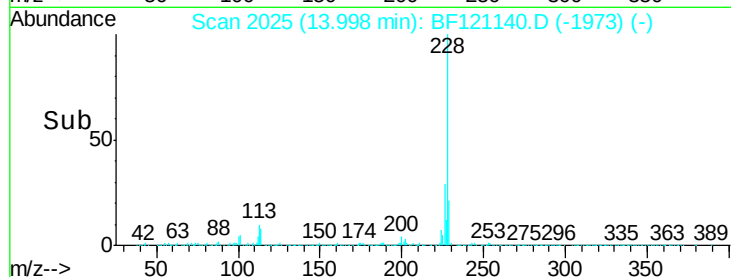
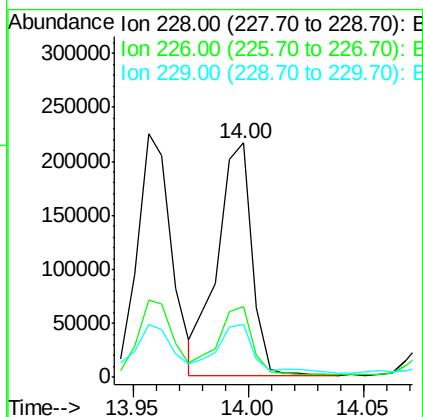
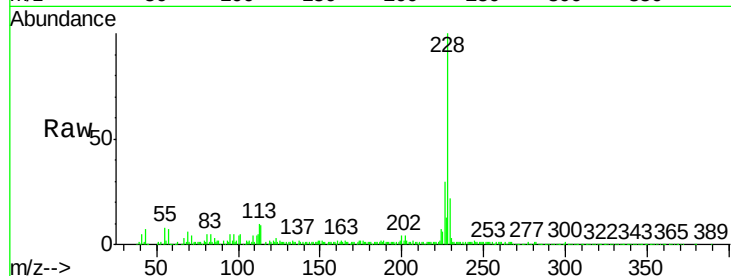




#83
Chrysene
Concen: 10.697 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

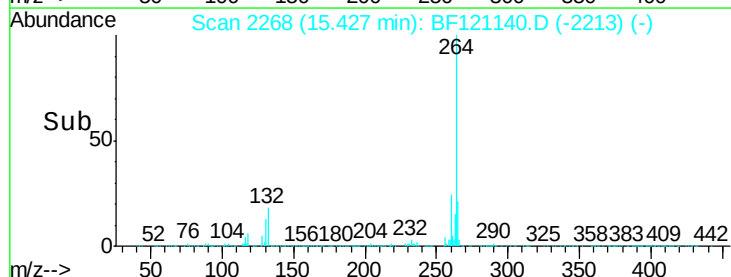
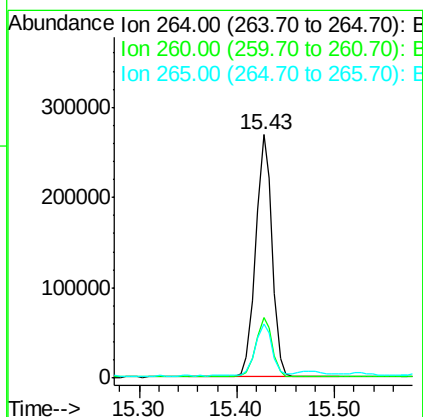
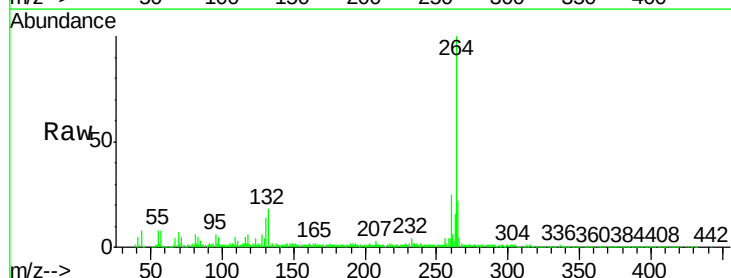
Instrument :
BNA_F
ClientSampleId :
10

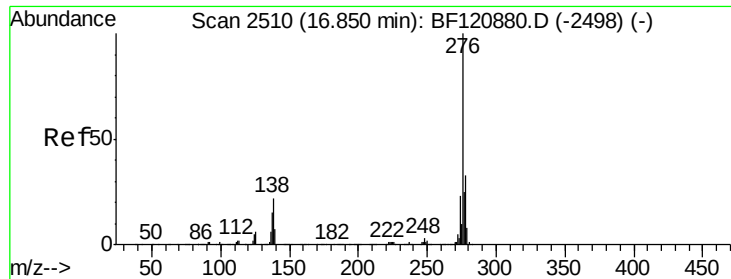
Tot Ion:228 Resp: 224533
Ion Ratio Lower Upper
228 100
226 30.0 25.4 38.0
229 22.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion:264 Resp: 322013
Ion Ratio Lower Upper
264 100
260 24.6 19.9 29.9
265 22.3 17.8 26.8

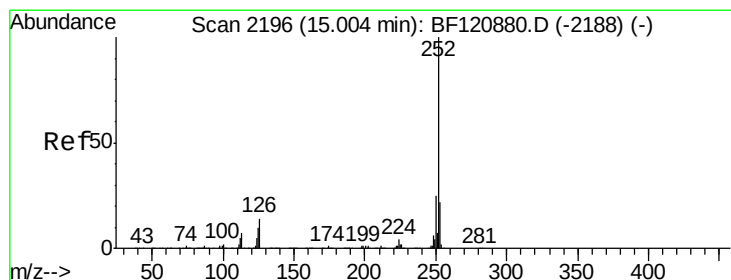
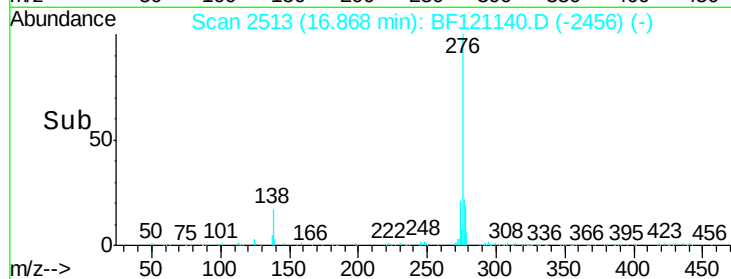
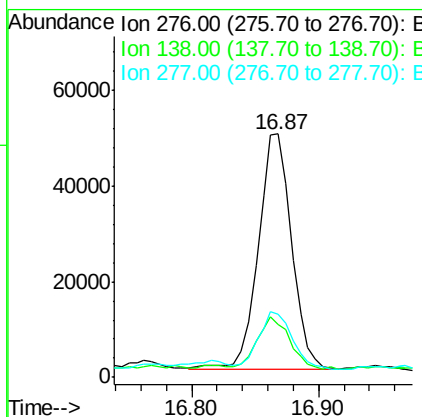
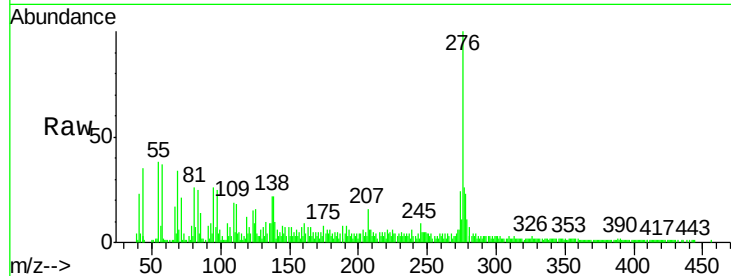




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.997 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. 0.04 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

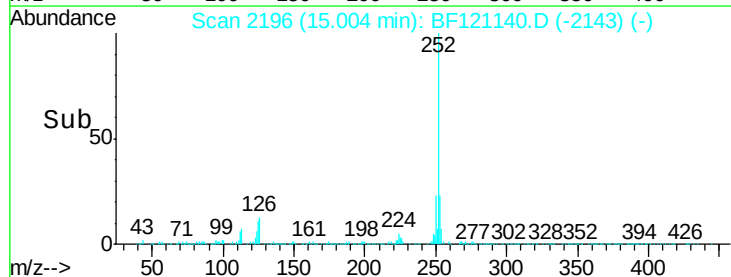
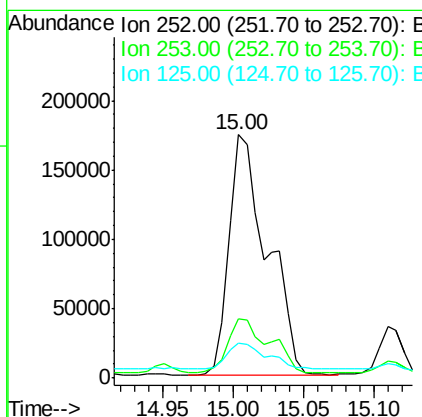
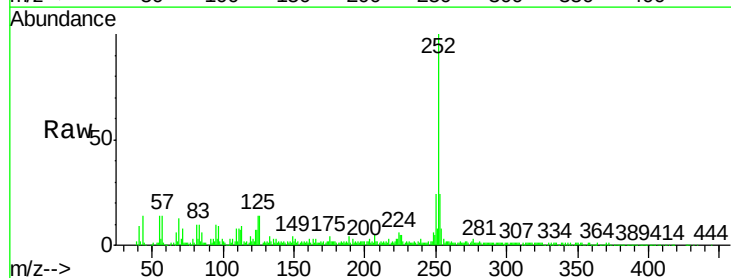
Instrument :
 BNA_F
 ClientSampleId :
 10

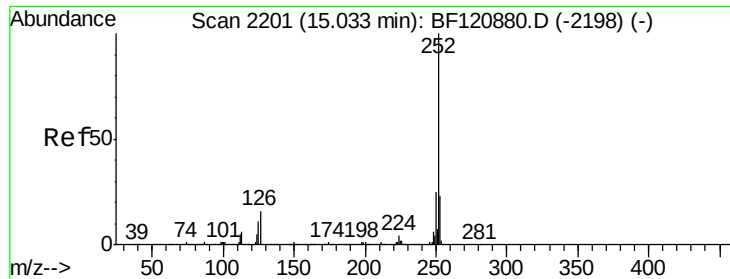
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.3	28.9
277	25.3	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 17.028 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF121140.D
 Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	14.1	8.1	12.1

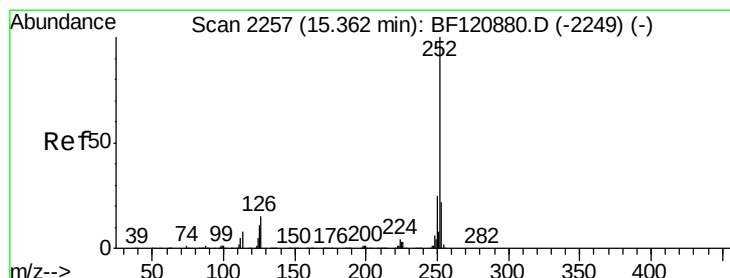
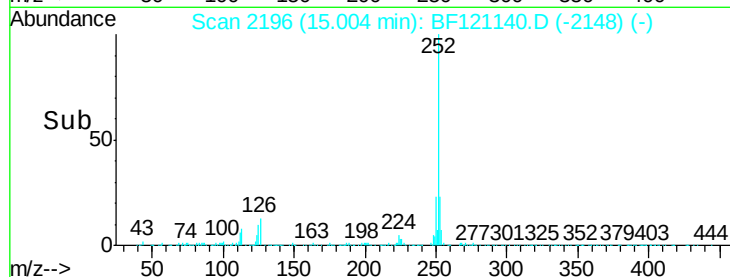
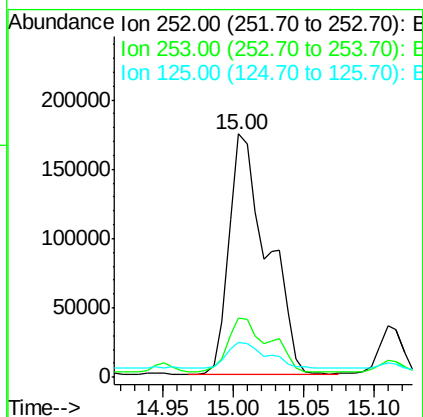
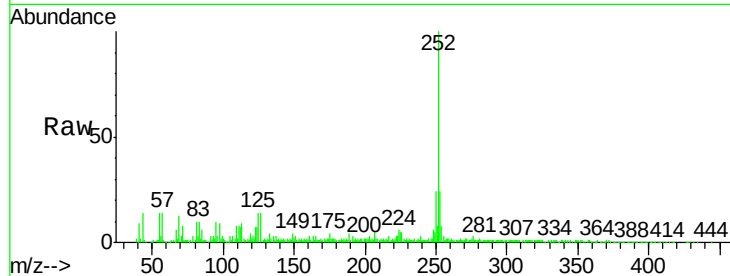




#89
Benzo(k)fluoranthene
Concen: 18.671 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

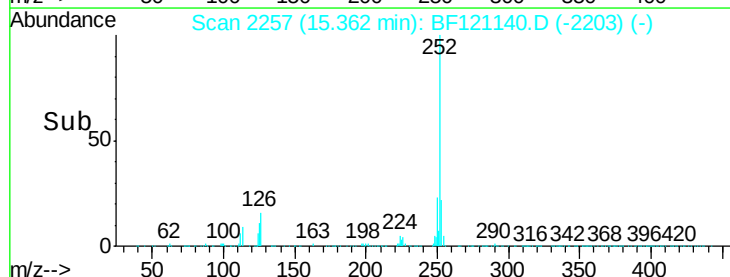
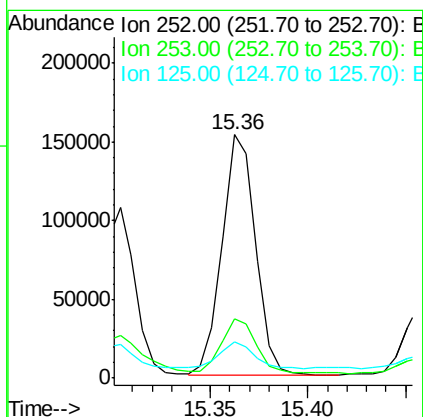
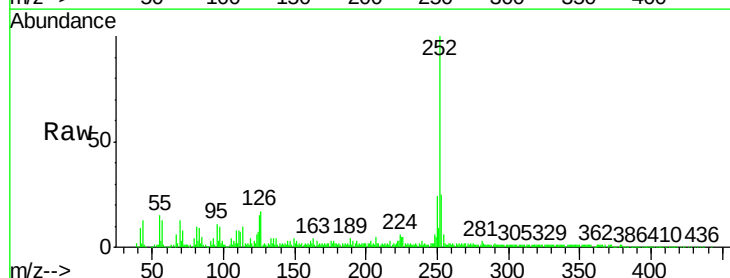
Instrument :
BNA_F
ClientSampleId :
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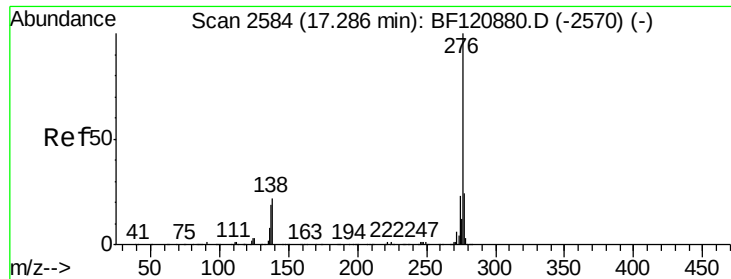
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	14.1	8.0	12.0



#90
Benzo(a)pyrene
Concen: 10.229 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121140.D
Acq: 30 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	15.1	9.5	14.3





#92

Benzo(a,h,i)perylene

Concen: 4.666 ng

RT: 17.30 min Scan# 2587

Delta R.T. 0.04 min

Lab File: BF121140.D

Acq: 30 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

10

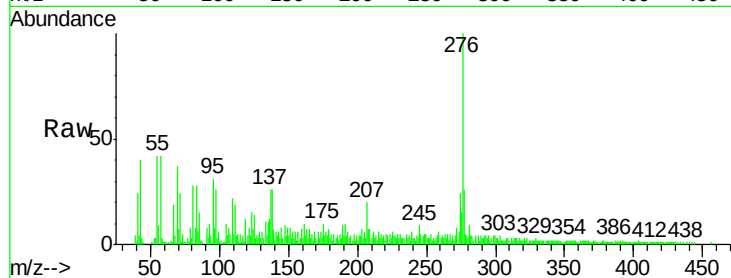
Tot Ion: 276 Resp: 84163

Ion Ratio Lower Upper

276 100

277 26.2 19.4 29.0

138 25.7 17.2 25.8



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

