

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121143.D
 Acq On : 30 Jul 2020 22:53
 Operator : JU/CG
 Sample : L3436-22 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22

Quant Time: Jul 31 00:34:42 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	130638	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	496471	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	239094	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	386862	20.00	ng	0.00
76) Chrysene-d12	13.97	240	313300	20.00	ng	0.01
86) Perylene-d12	15.43	264	282320	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	146708	18.41	ng	0.00
7) Phenol-d6	6.43	99	180508	17.54	ng	-0.01
23) Nitrobenzene-d5	7.36	82	100101	11.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	37362	14.28	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	222947	13.92	ng	0.00
79) Terphenyl-d14	12.91	244	179798	12.48	ng	0.00

Target Compounds

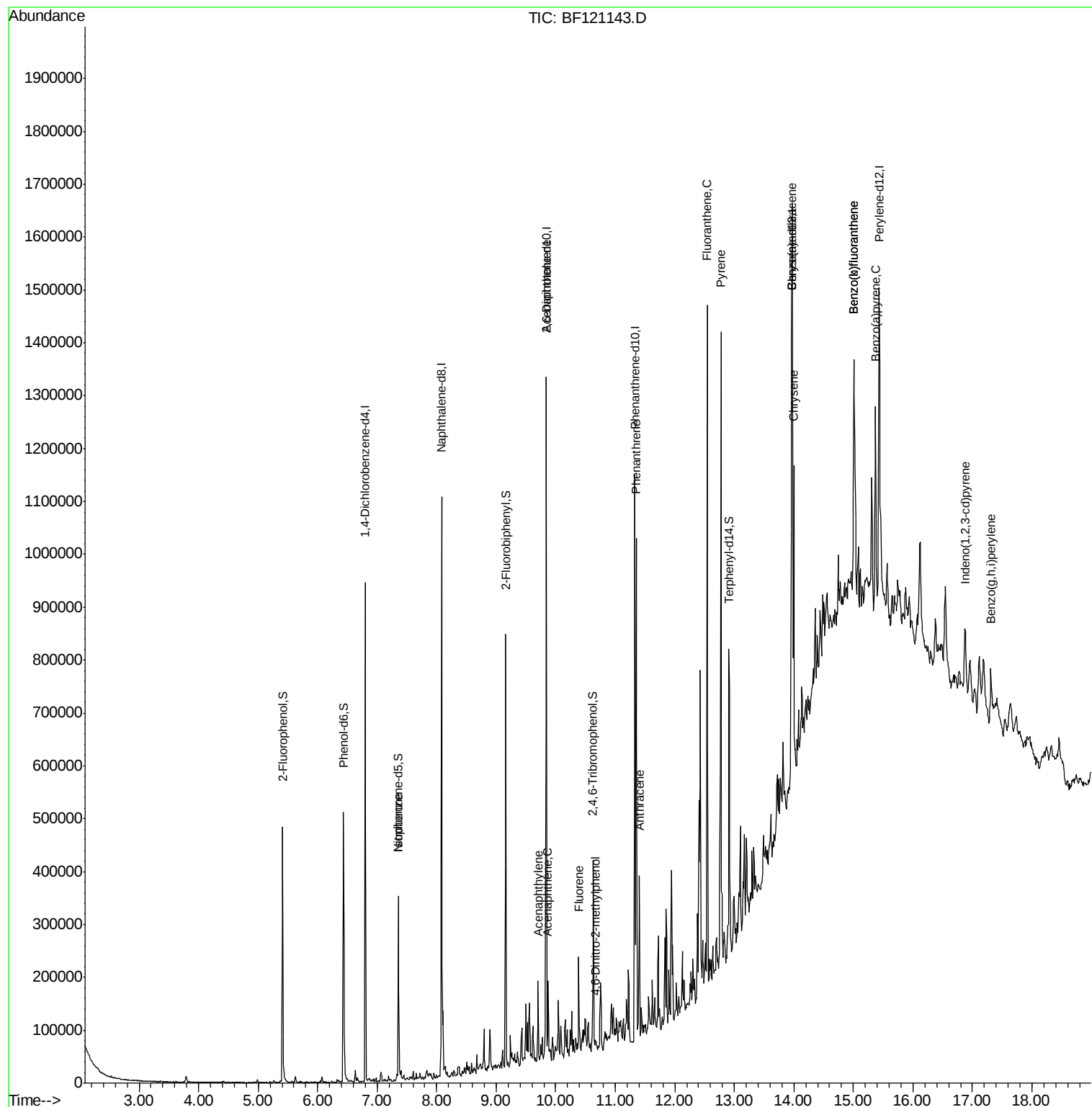
						Qvalue
9) Benzaldehyde	6.35	77	368	Below Cal	#	1
25) Isophorone	7.36	82	97508	5.694 ng	#	63
49) Acenaphthylene	9.70	152	50688	2.194 ng		98
51) 2,6-Dinitrotoluene	9.84	165	33658	9.082 ng	#	27
52) Acenaphthene	9.87	154	29696	2.022 ng		98
58) Fluorene	10.39	166	45929	2.900 ng		99
65) 4,6-Dinitro-2-methylphenol	10.66	198	378	3.998 ng	#	1
71) Phenanthrene	11.35	178	311253	15.644 ng		99
72) Anthracene	11.40	178	109389	5.475 ng		98
75) Fluoranthene	12.55	202	496623	22.519 ng		100
78) Pyrene	12.77	202	501307	22.632 ng		99
81) Benzo(a)anthracene	13.96	228	265653	14.002 ng		95
83) Chrysene	14.00	228	222955	11.183 ng		96
87) Indeno(1,2,3-cd)pyrene	16.87	276	91376	4.654 ng		98
88) Benzo(b)fluoranthene	15.01	252	339819	19.913 ng	#	94
89) Benzo(k)fluoranthene	15.01	252	339819	21.835 ng	#	94
90) Benzo(a)pyrene	15.37	252	182370	11.713 ng	#	96
92) Benzo(g,h,i)perylene	17.31	276	85382	5.399 ng		93

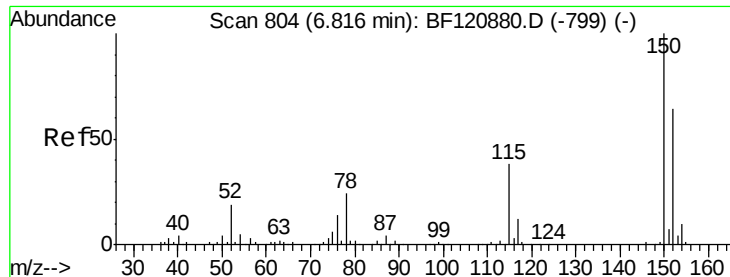
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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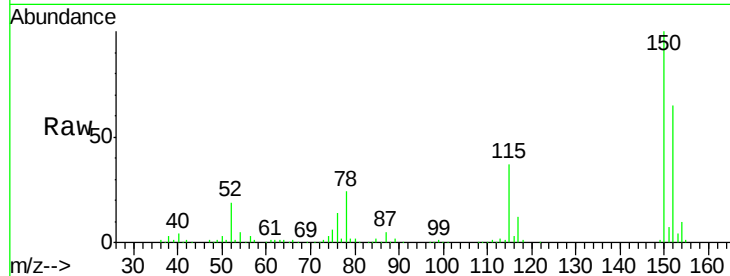


#1

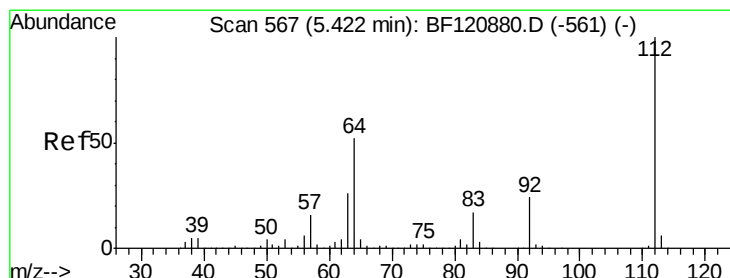
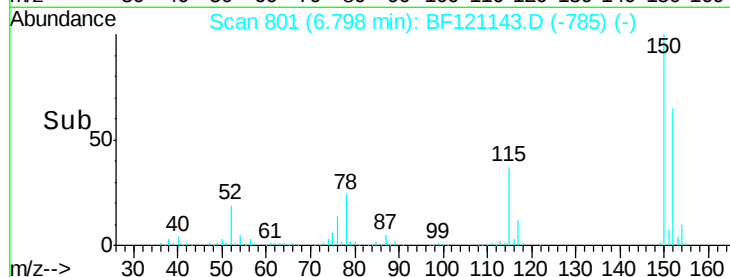
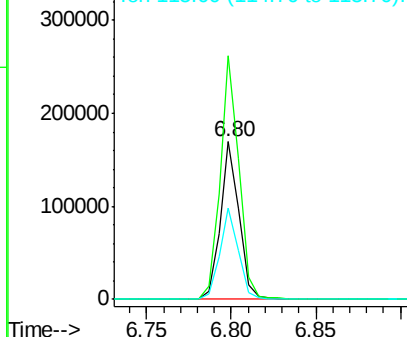
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampleId :
22

Tot Ion:152 Resp: 130638
Ion Ratio Lower Upper
152 100
150 154.4 125.6 188.4
115 57.8 46.2 69.2



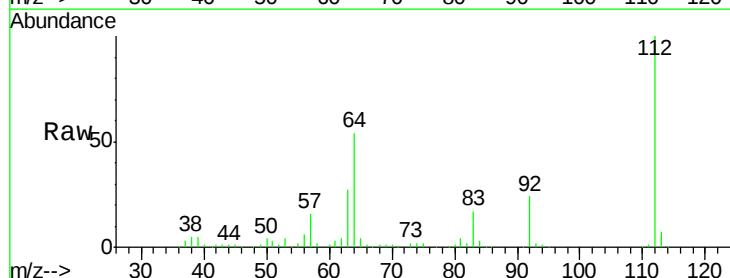
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



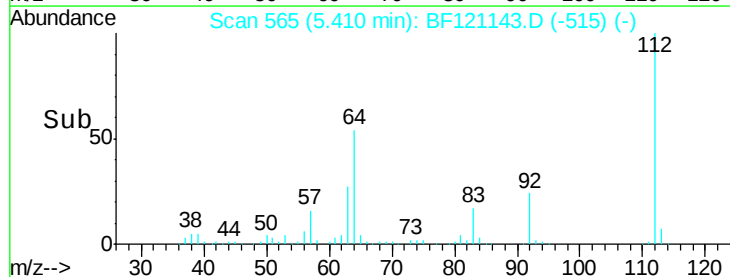
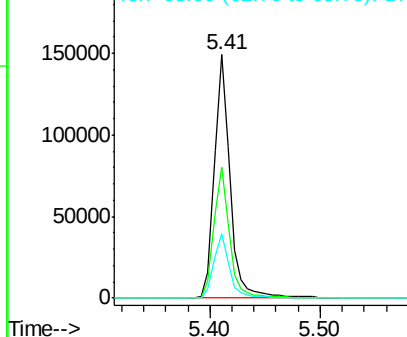
#5

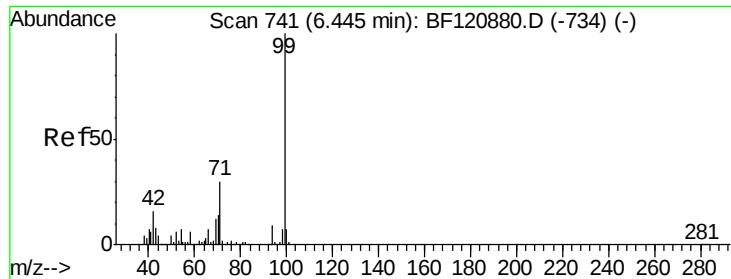
2-Fluorophenol
Concen: 18.410 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion:112 Resp: 146708
Ion Ratio Lower Upper
112 100
64 53.7 43.9 65.9
63 26.6 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: 17.536 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

ClientSampled :

22

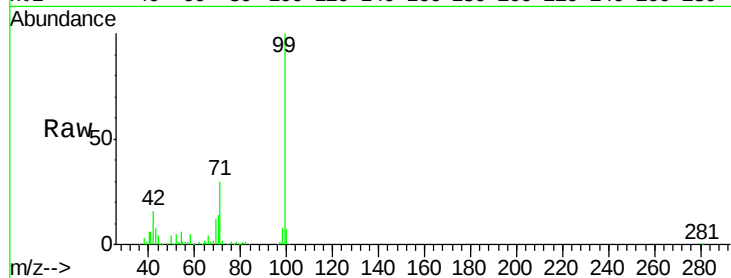
Tot Ion: 99 Resp: 180508

Ion Ratio Lower Upper

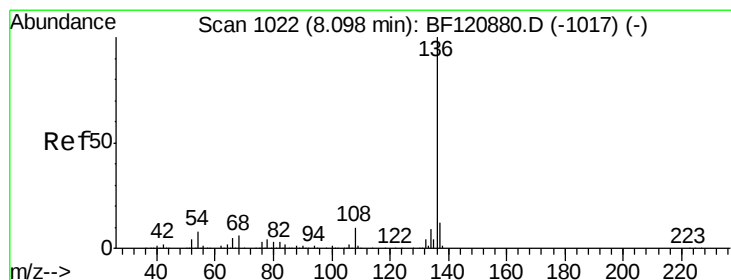
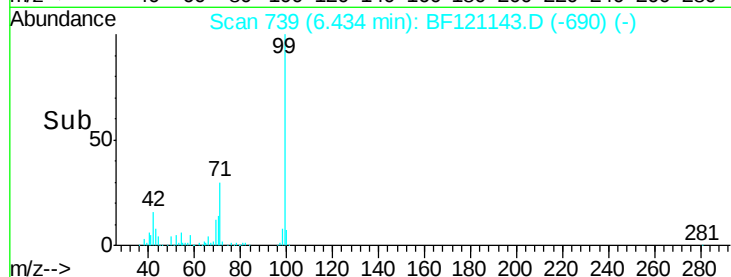
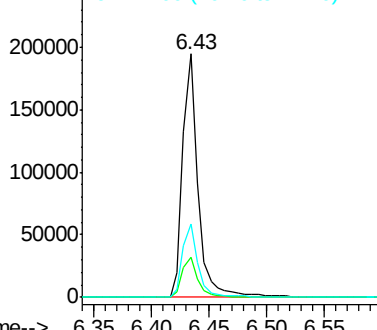
99 100

42 16.2 13.5 20.3

71 30.0 25.0 37.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Tgt Ion: 136 Resp: 496471

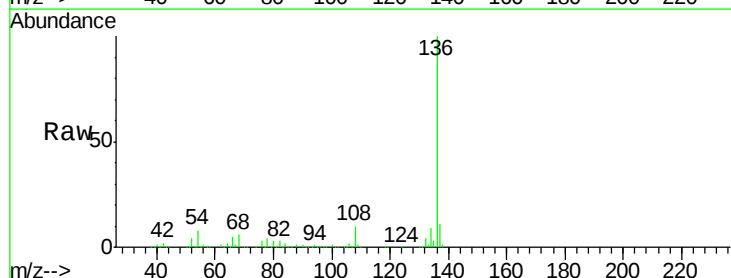
Ion Ratio Lower Upper

136 100

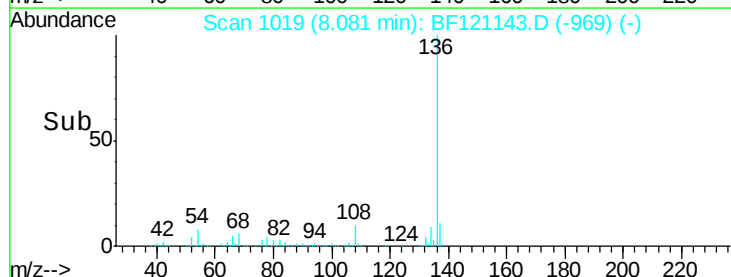
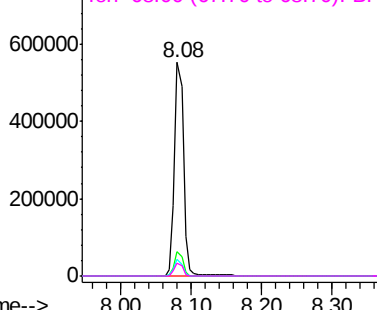
137 11.3 9.0 13.4

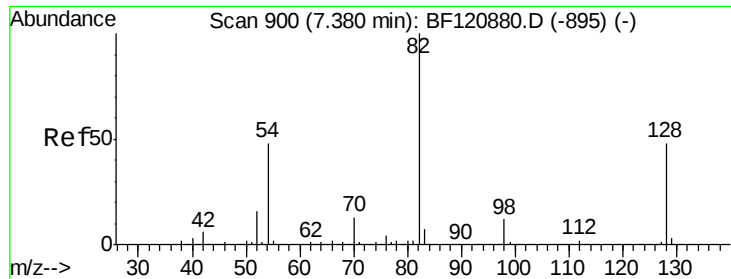
54 7.7 6.1 9.1

68 6.1 5.0 7.6



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

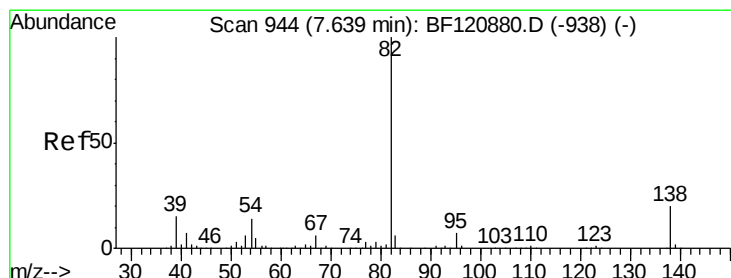
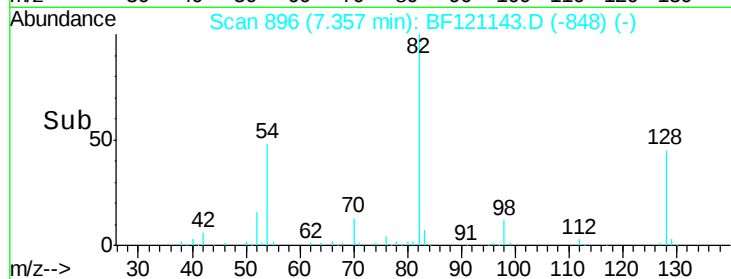
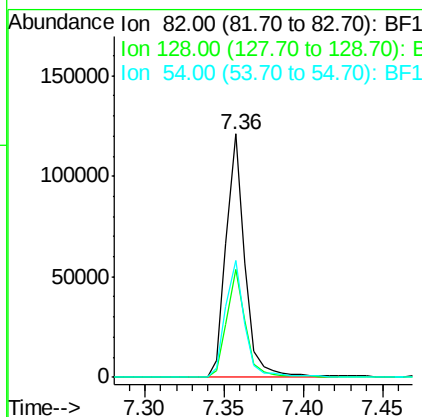
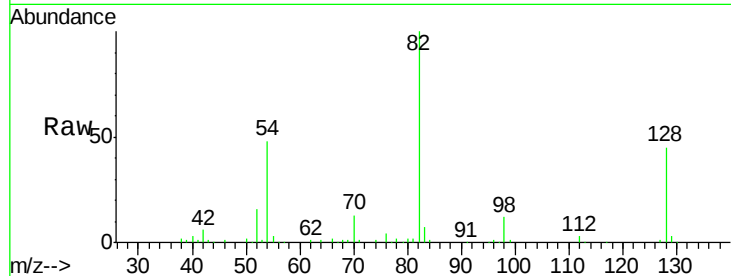




#23
 Nitrobenzene-d5
 Concen: 11.667 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

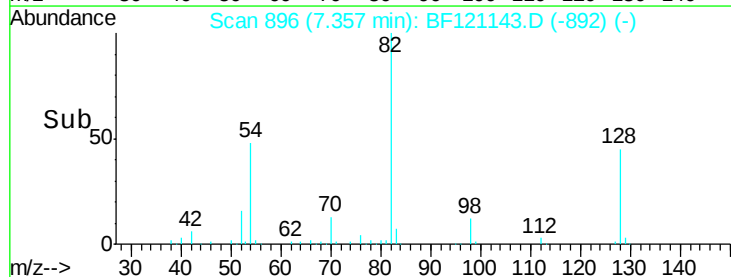
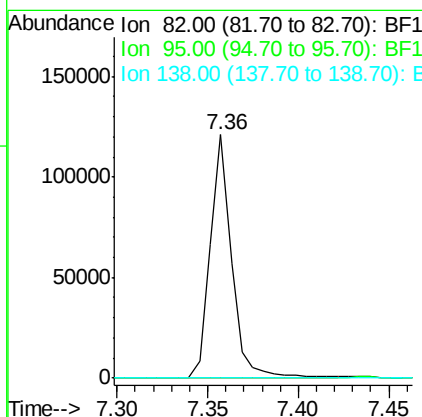
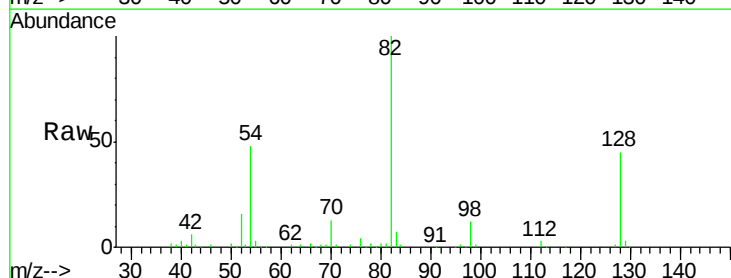
Instrument :
 BNA_F
 ClientSampleId :
 22

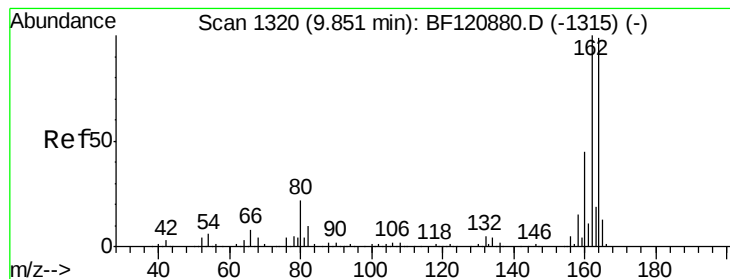
Tot Ion	82	Resp	100	101
Ion	Ratio	Lower	Upper	
82	100			
128	44.6	39.2	58.8	
54	48.2	37.8	56.8	



#25
 Isophorone
 Concen: 5.694 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.28 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Tgt Ion	82	Resp	97	50	8
Ion	Ratio	Lower	Upper		
82	100				
95	0.4	5.5	8.3	#	
138	0.0	16.2	24.2	#	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

ClientSampleId :

22

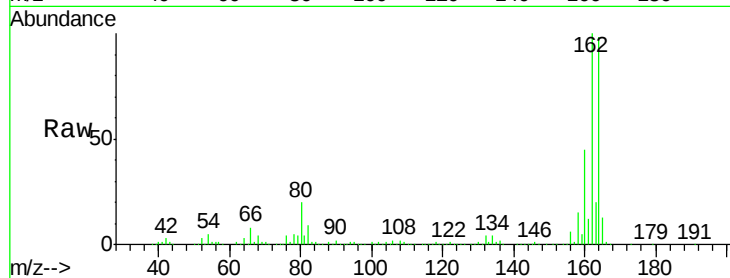
Tot Ion:164 Resp: 239094

Ion Ratio Lower Upper

164 100

162 102.2 82.2 123.2

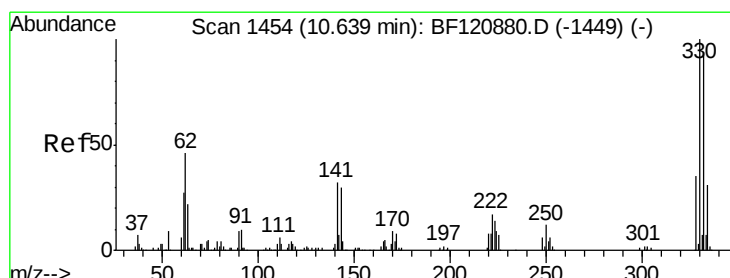
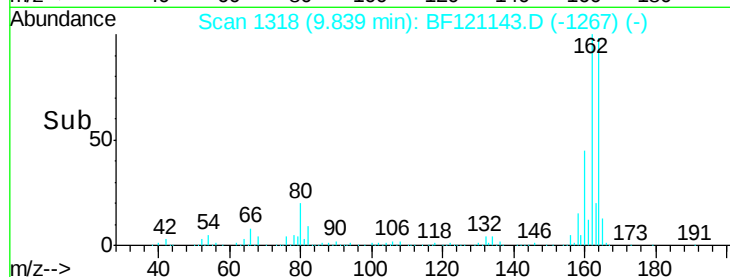
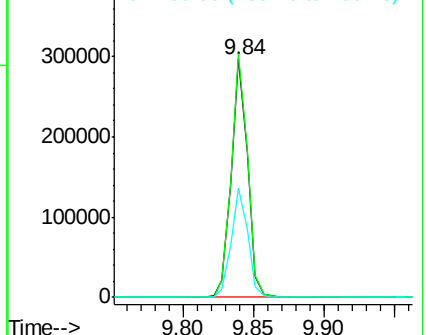
160 45.7 37.2 55.8



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: 14.276 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

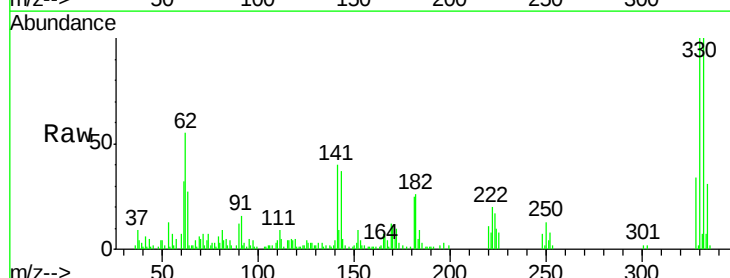
Tgt Ion:330 Resp: 37362

Ion Ratio Lower Upper

330 100

332 96.9 76.1 114.1

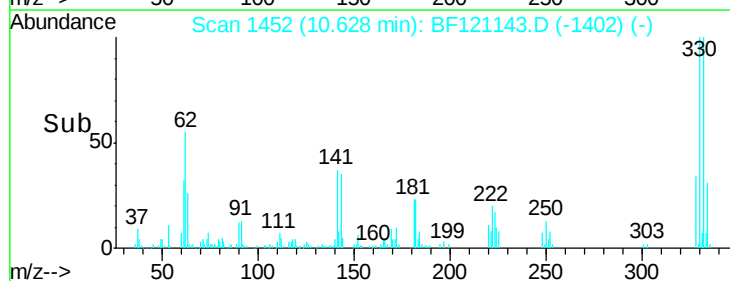
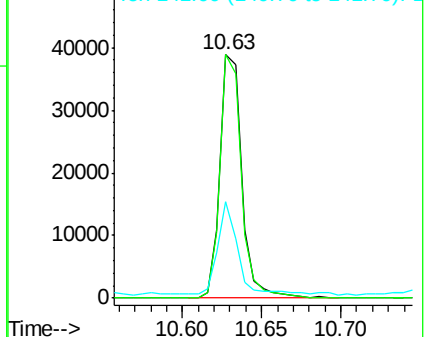
141 35.1 24.1 36.1

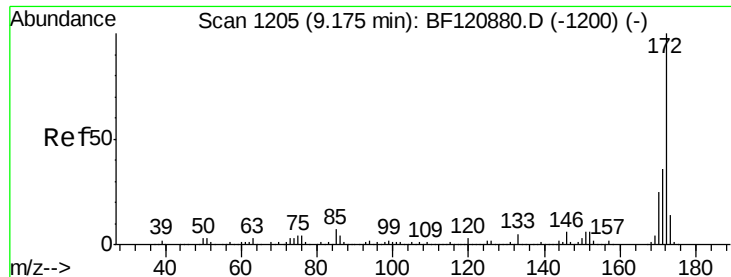


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

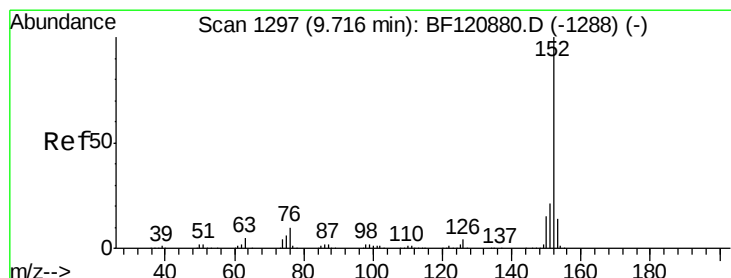
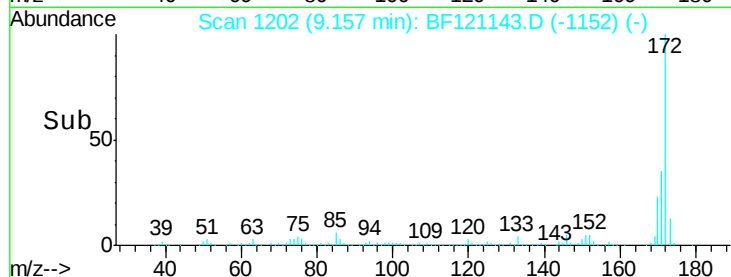
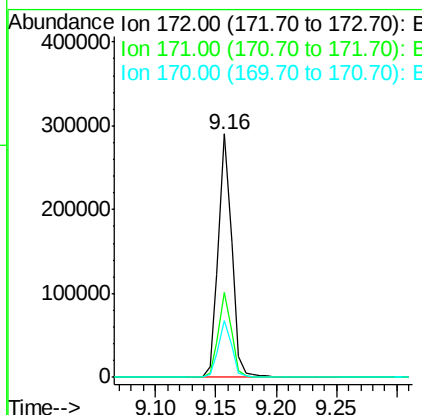
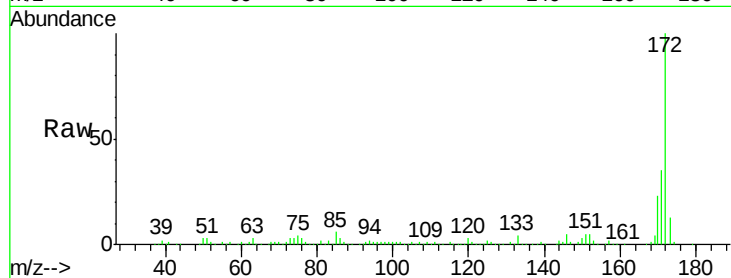




#45
2-Fluorobiphenyl
Concen: 13.922 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

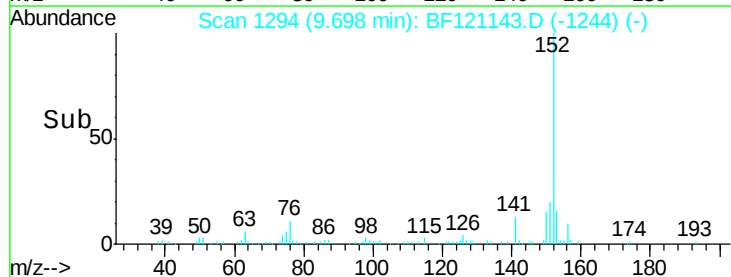
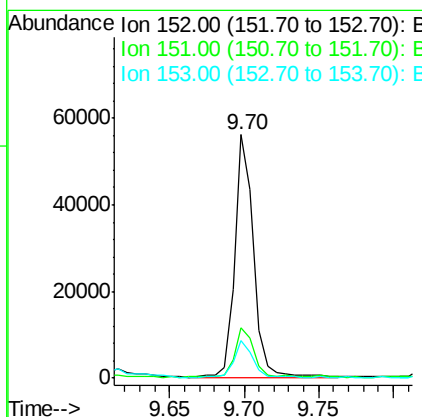
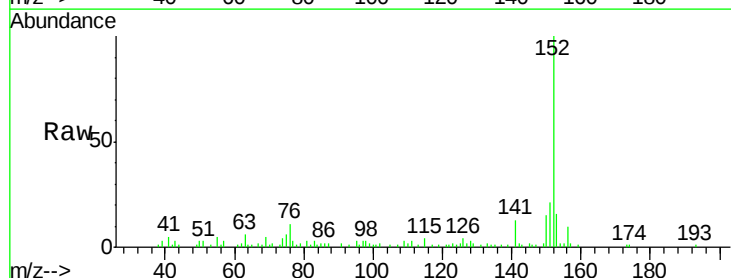
Instrument :
BNA_F
ClientSampleId :
22

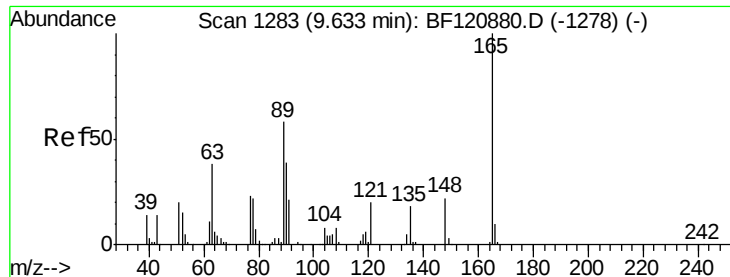
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.4
170	23.2	19.6	29.4



#49
Acenaphthylene
Concen: 2.194 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0
153	15.5	11.0	16.4





#51

2,6-Dinitrotoluene

Concen: 9.082 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :

BNA_F

ClientSampled :

22

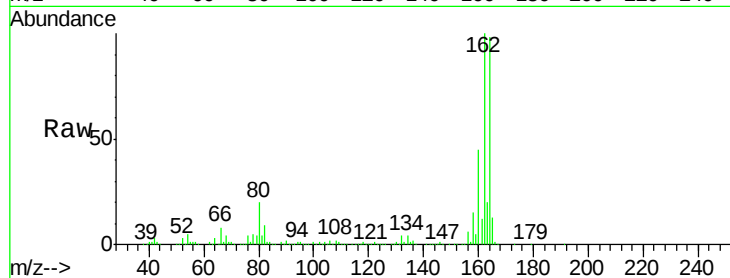
Tot Ion:165 Resp: 33658

Ion Ratio Lower Upper

165 100

63 1.3 41.1 61.7#

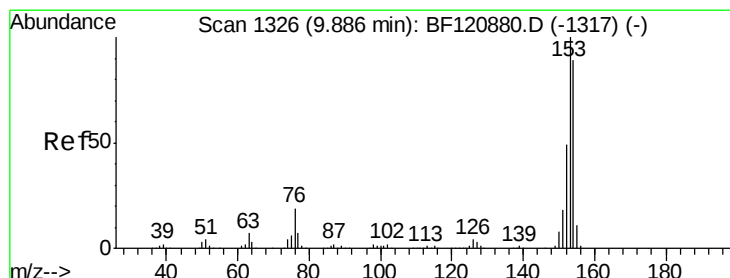
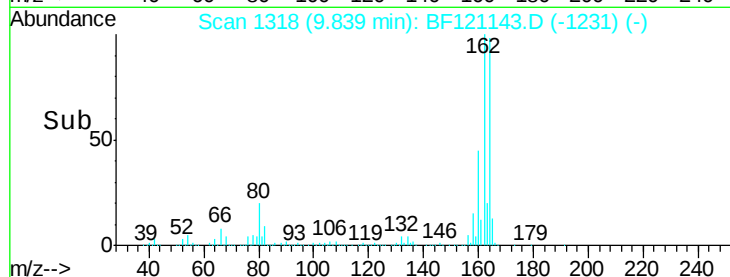
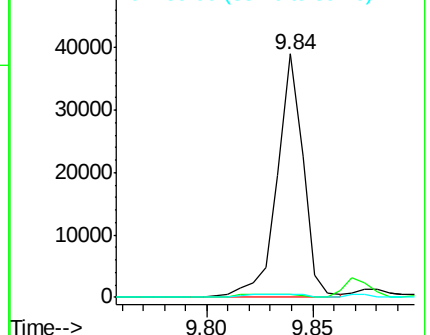
89 1.5 43.5 65.3#



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



#52

Acenaphthene

Concen: 2.022 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

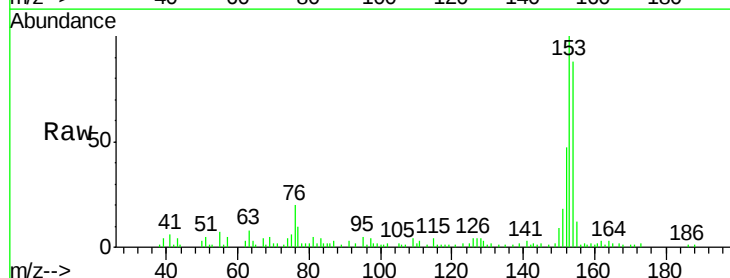
Tgt Ion:154 Resp: 29696

Ion Ratio Lower Upper

154 100

153 113.8 89.6 134.4

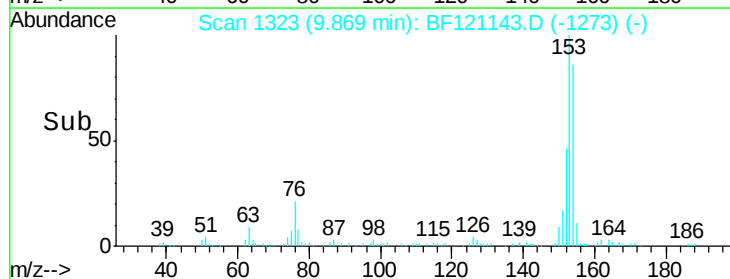
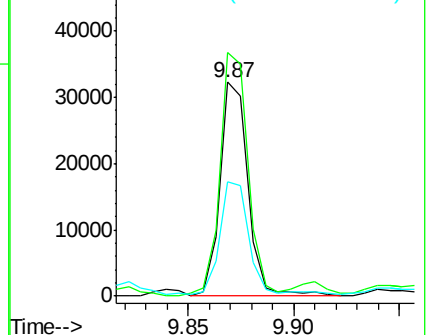
152 53.4 43.8 65.6

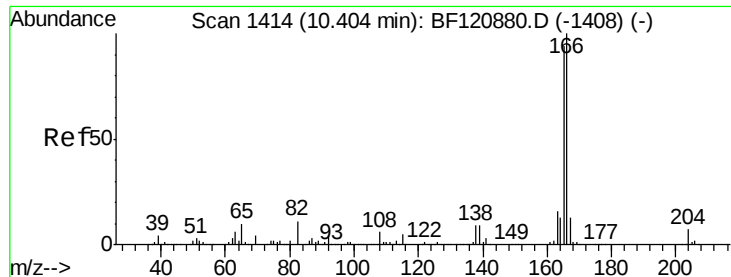


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

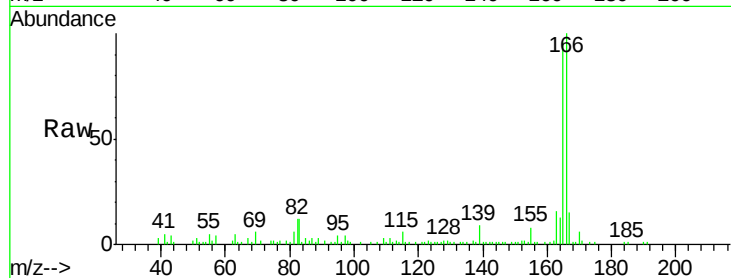




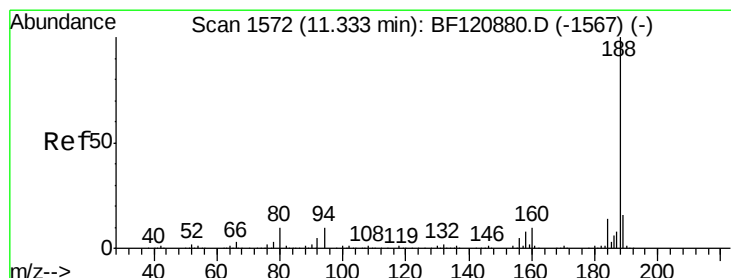
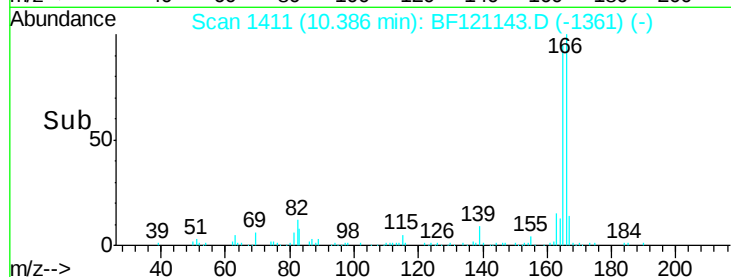
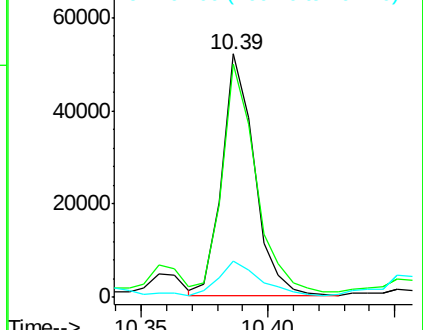
#58
 Fluorene
 Concen: 2.900 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 22

Tot Ion:166 Resp: 45929
 Ion Ratio Lower Upper
 166 100
 165 95.9 76.4 114.6
 167 15.1 10.7 16.1

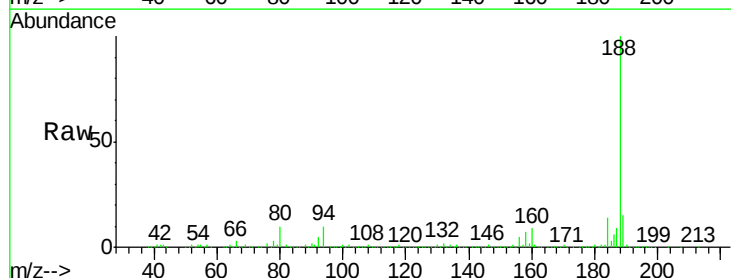


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

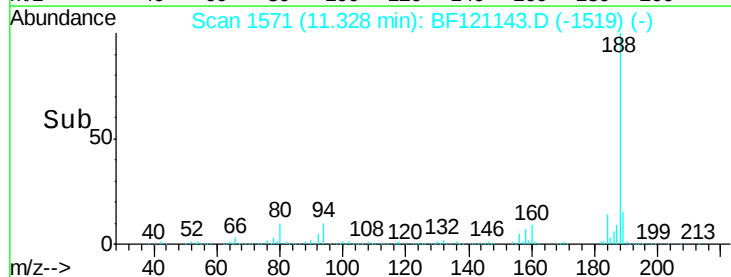
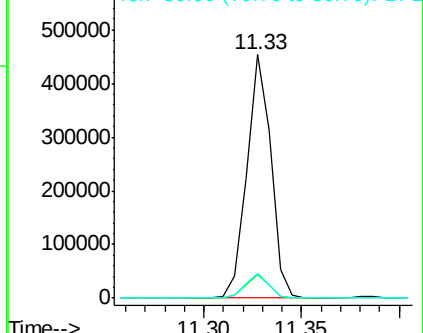


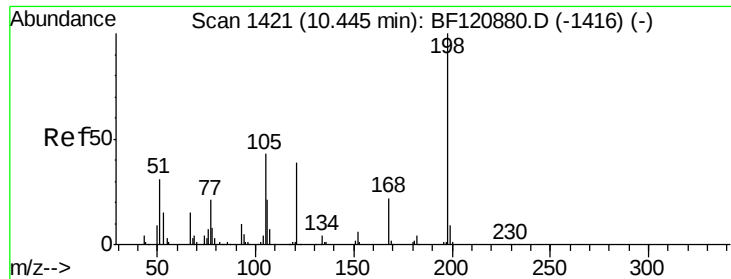
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Tgt Ion:188 Resp: 386862
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.0 12.0
 80 9.9 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

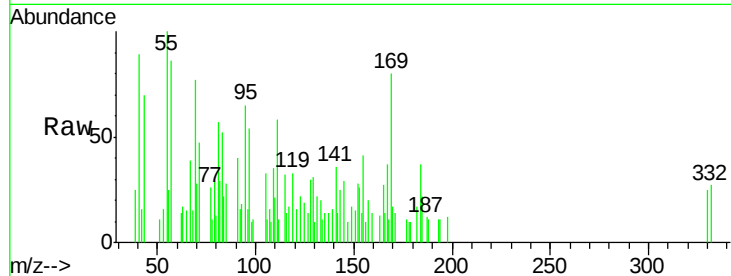




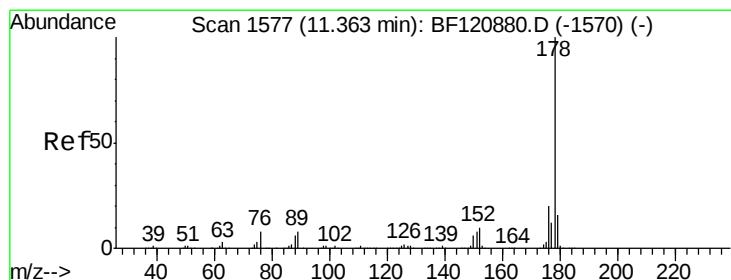
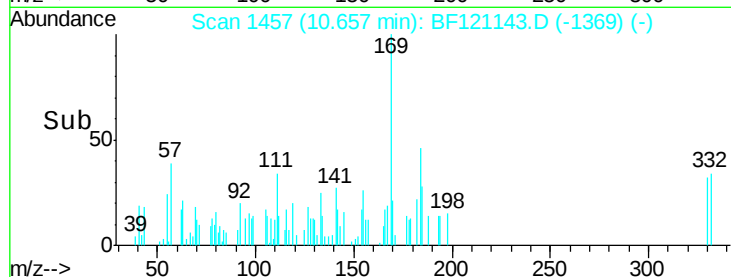
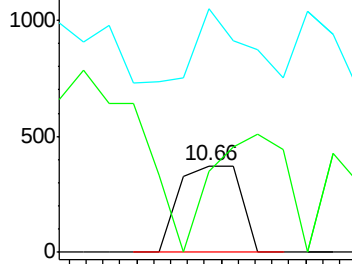
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.998 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.22 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 22

Tot Ion:198 Resp: 378
 Ion Ratio Lower Upper
 198 100
 51 93.3 23.4 63.4#
 105 282.0 23.7 63.7#

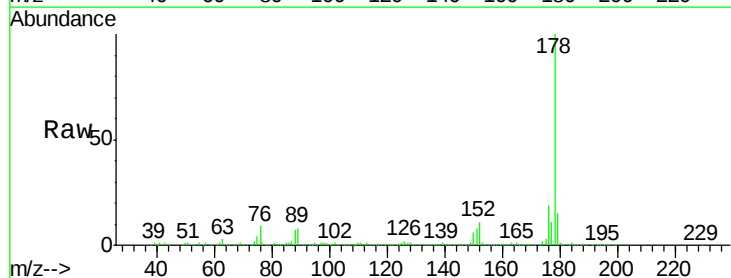


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

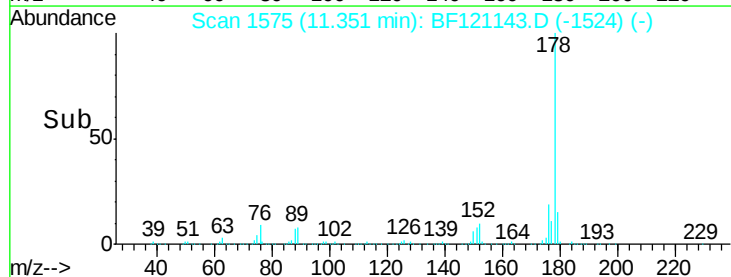
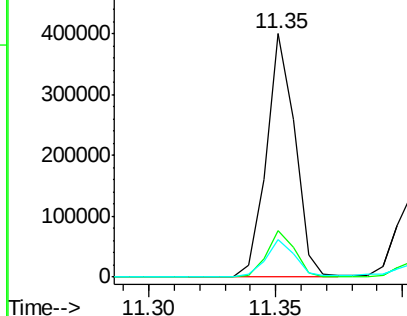


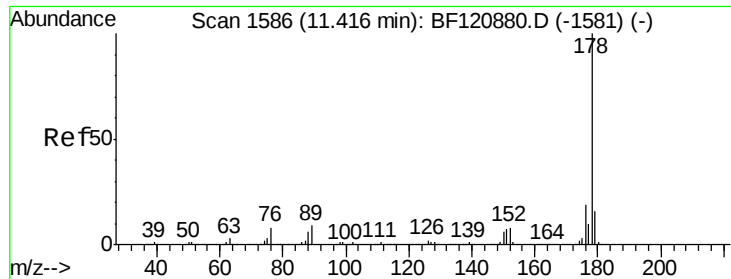
#71
 Phenanthrene
 Concen: 15.644 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Tgt Ion:178 Resp: 311253
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.2
 179 15.5 12.6 19.0



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

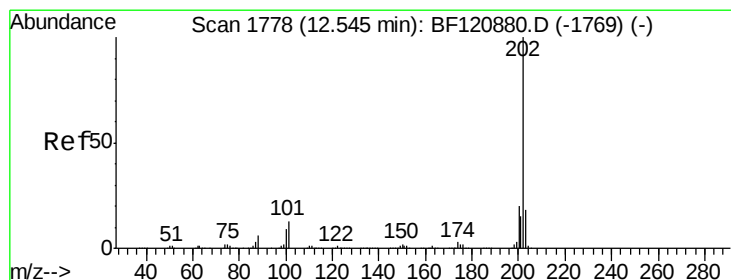
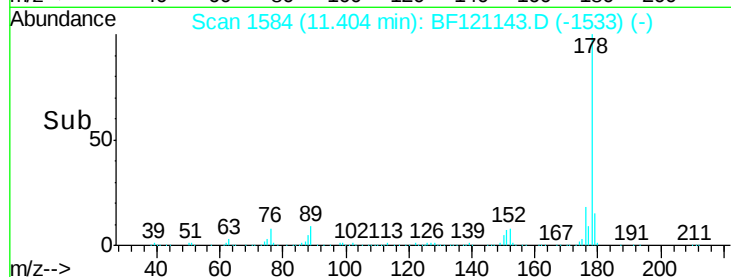
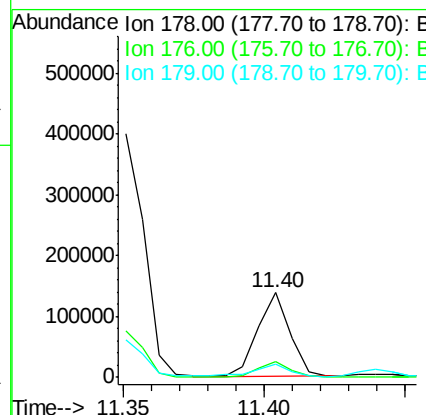
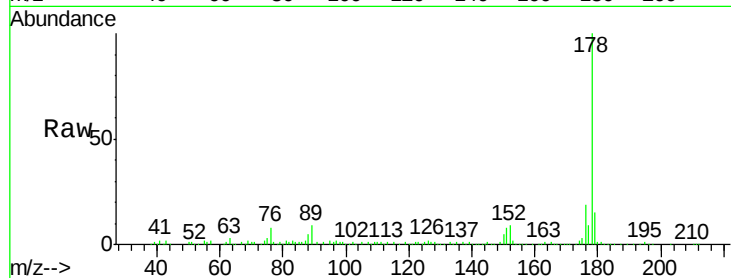




#72
 Anthracene
 Concen: 5.475 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

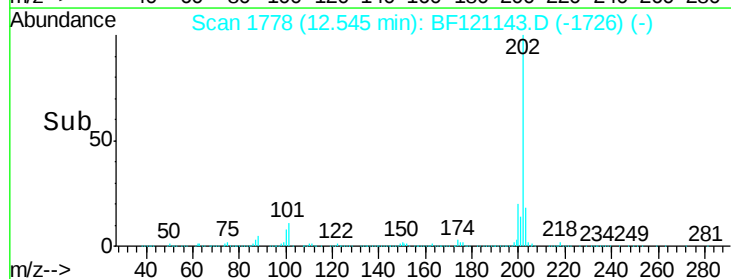
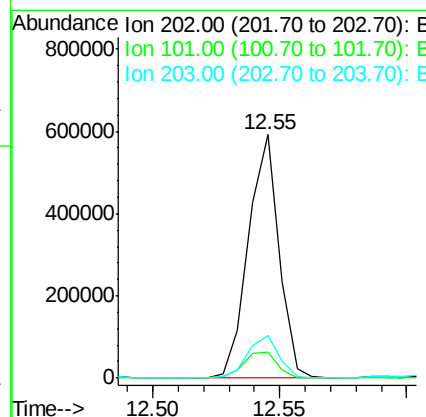
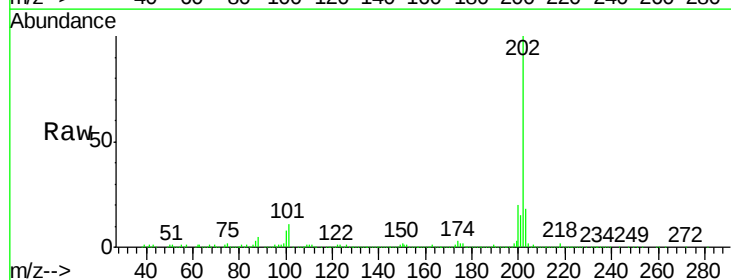
Instrument :
 BNA_F
 ClientSampleId :
 22

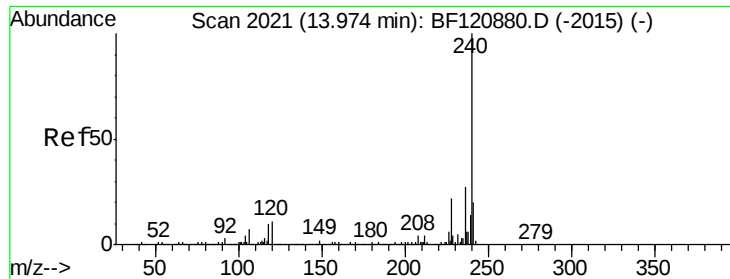
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.3	12.6	19.0



#75
 Fluoranthene
 Concen: 22.519 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.5
203	17.7	0.0	37.7

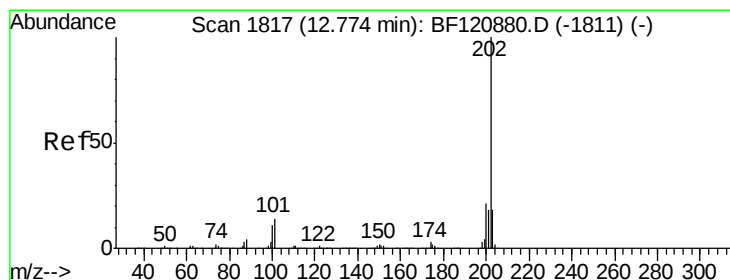
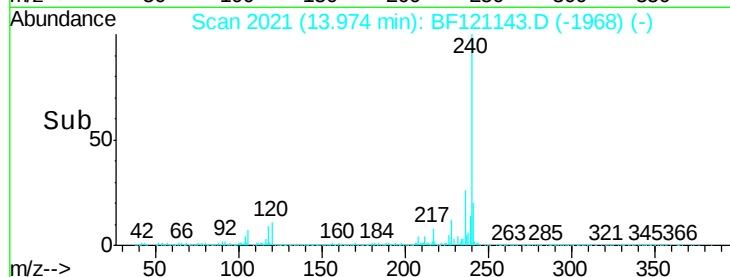
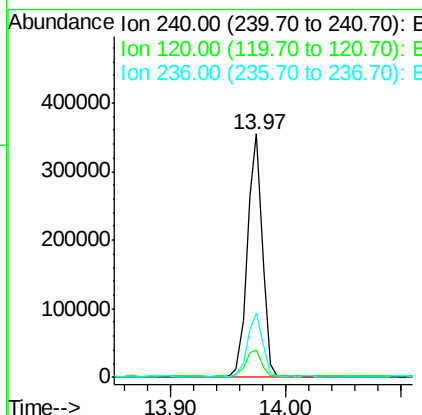
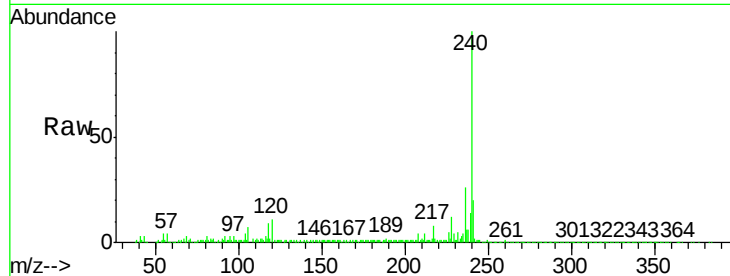




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

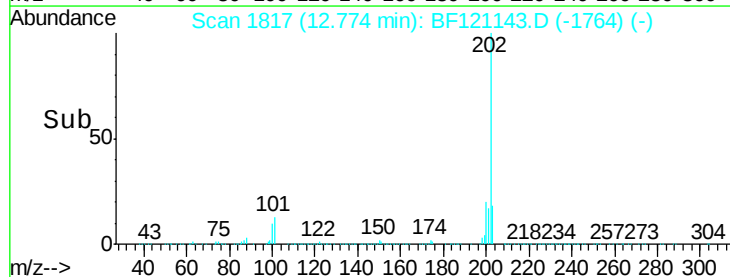
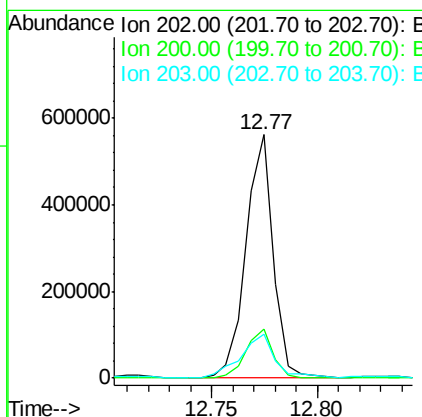
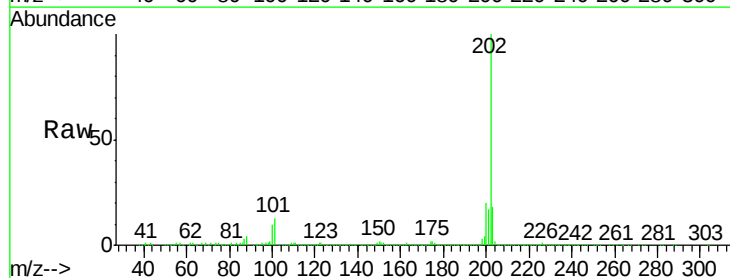
Instrument :
BNA_F
ClientSampleId :
22

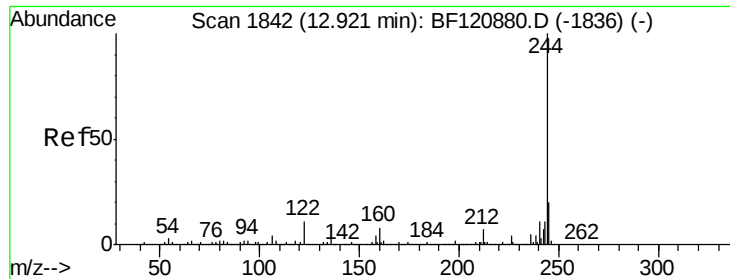
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.3	13.9
236	26.4	21.1	31.7



#78
Pyrene
Concen: 22.632 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.6
203	18.1	14.6	21.8

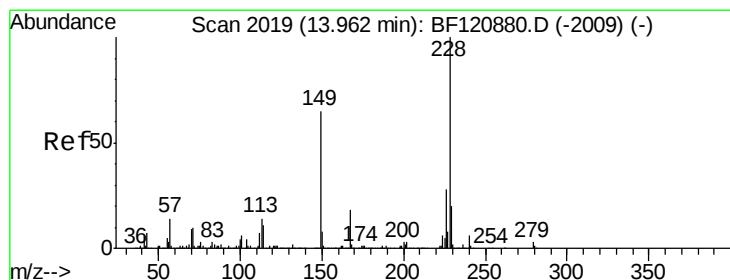
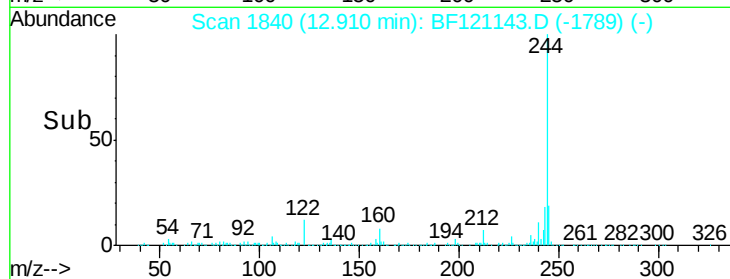
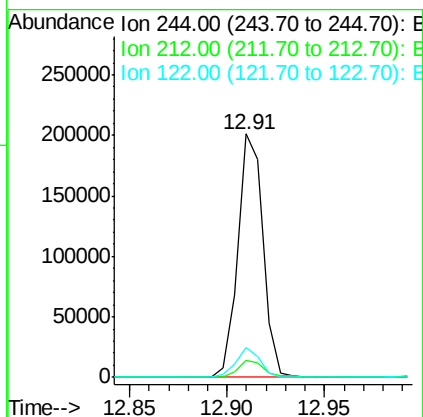
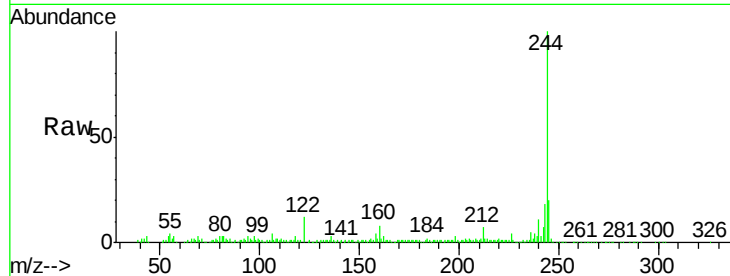




#79
 Terphenyl-d14
 Concen: 12.475 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

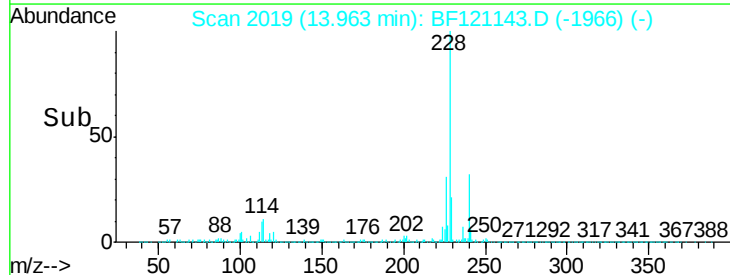
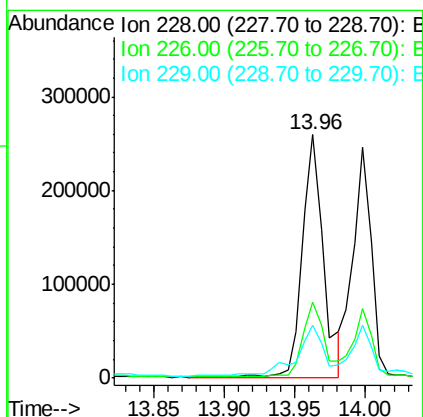
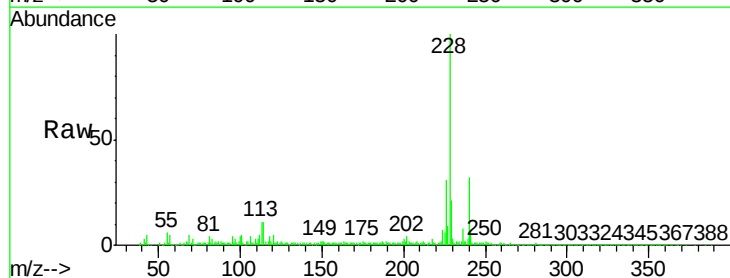
Instrument :
 BNA_F
 ClientSampleId :
 22

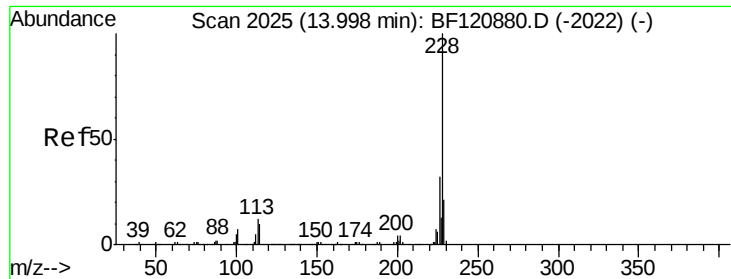
Tot Ion:244 Resp: 179798
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 12.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 14.002 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Tgt Ion:228 Resp: 265653
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 34.0
 229 21.5 16.1 24.1

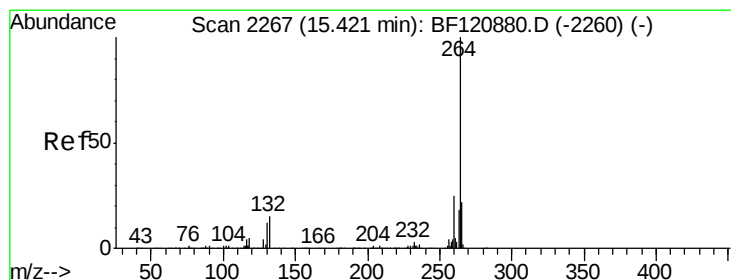
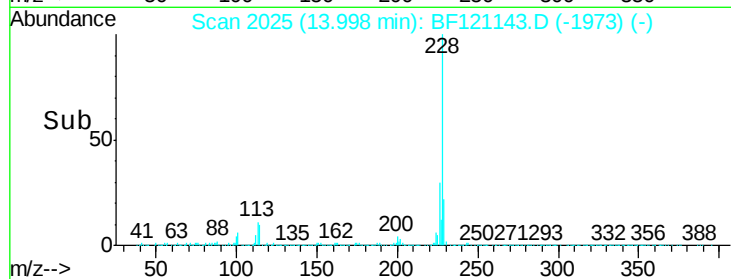
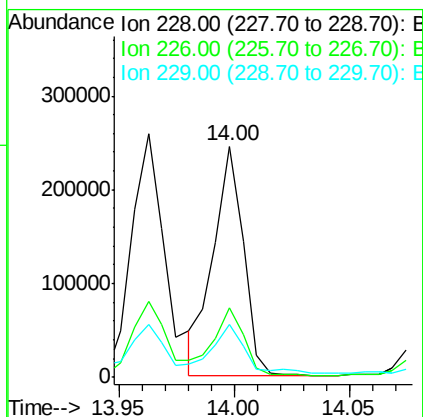
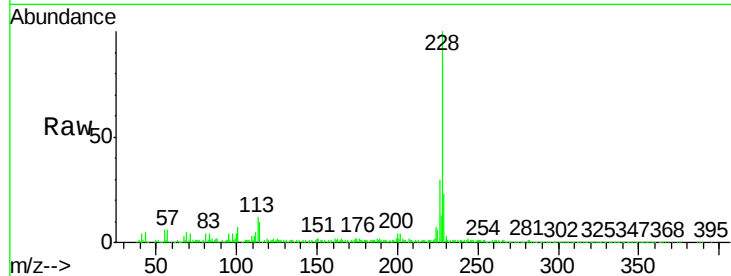




#83
Chrysene
Concen: 11.183 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

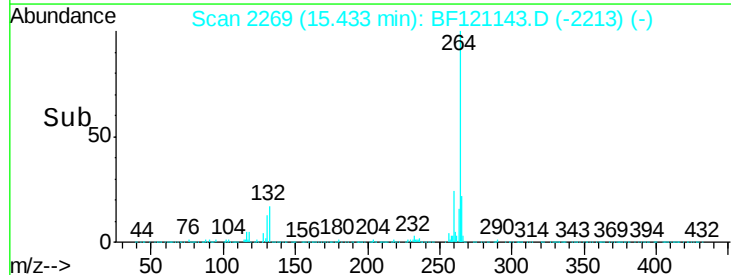
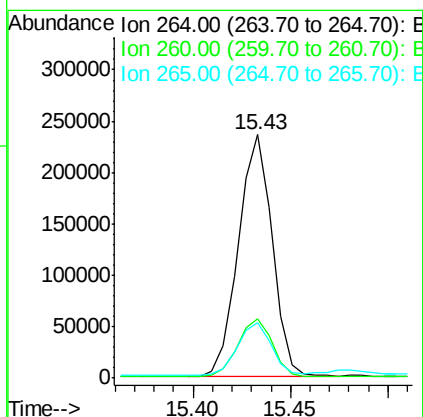
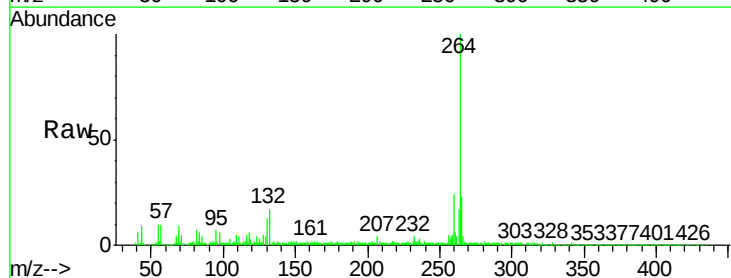
Instrument :
BNA_F
ClientSampleId :
22

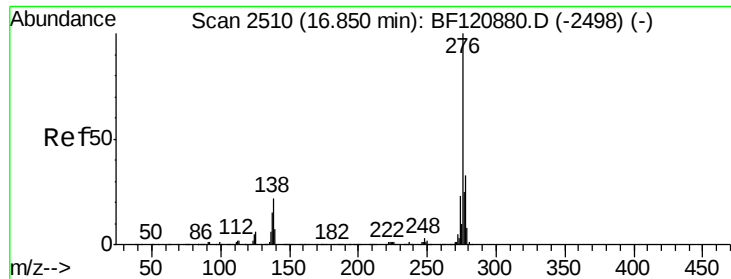
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	22.7	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.03 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.9	29.9
265	22.8	17.8	26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.654 ng

RT: 16.87 min Scan# 2514

Delta R.T. 0.04 min

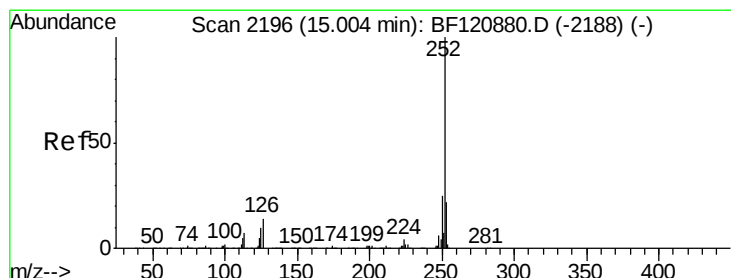
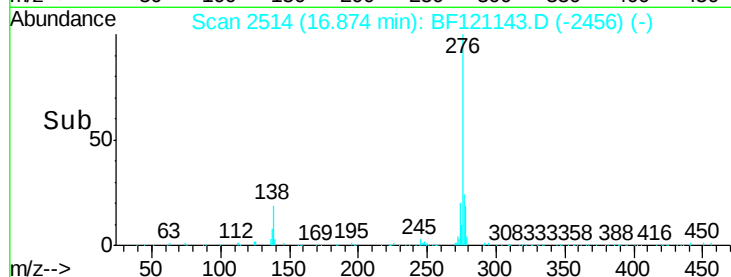
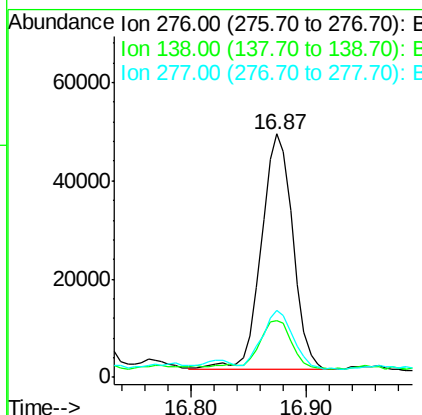
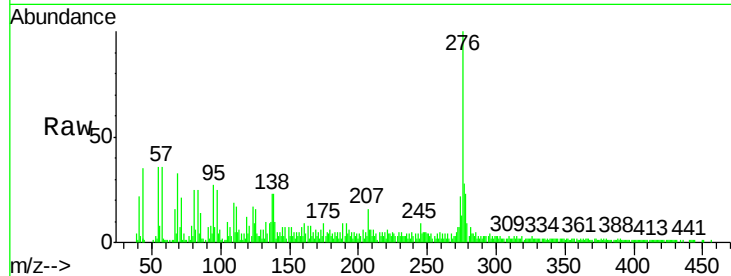
Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Instrument :
BNA_F
ClientSampleId :
22

Tot Ion:276 Resp: 91376

Ion	Ratio	Lower	Upper
276	100		
138	22.7	19.3	28.9
277	25.4	20.1	30.1



#88

Benzo(b)fluoranthene

Concen: 19.913 ng

RT: 15.01 min Scan# 2197

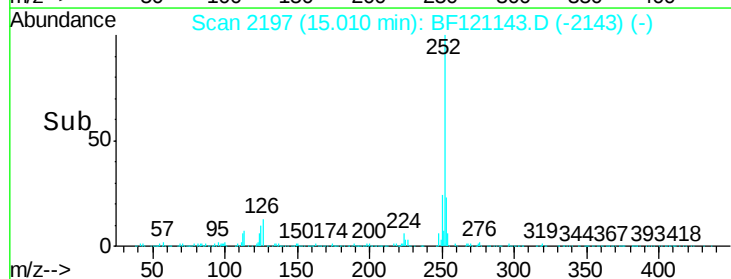
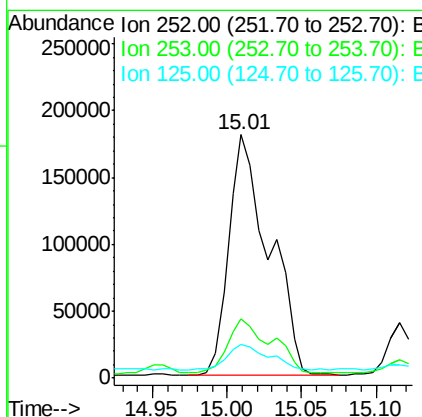
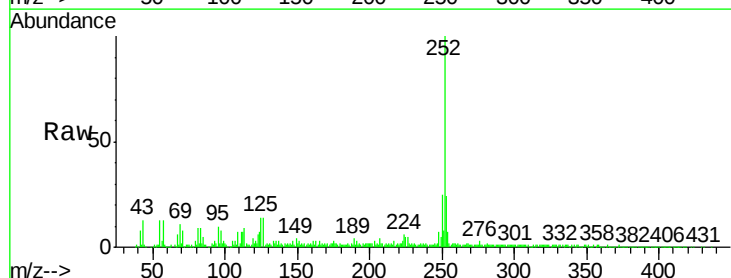
Delta R.T. 0.02 min

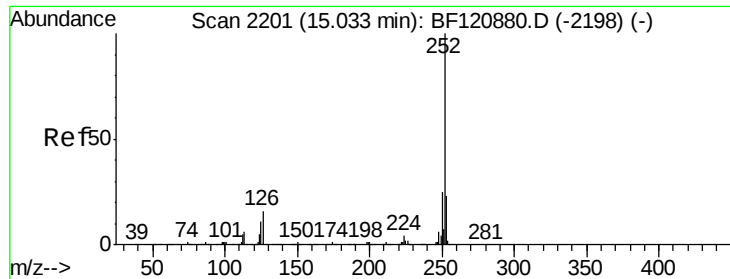
Lab File: BF121143.D

Acq: 30 Jul 2020 22:53

Tgt Ion:252 Resp: 339819

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	13.9	8.1	12.1

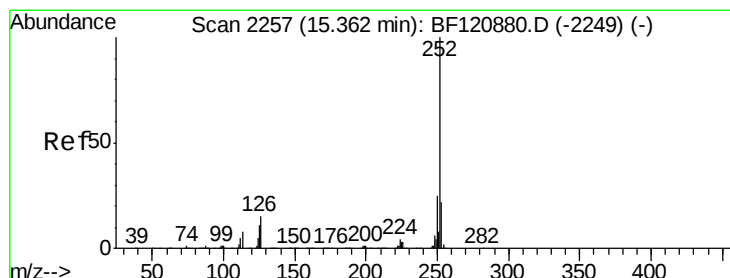
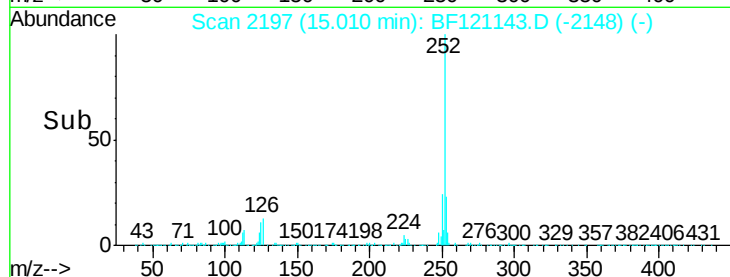
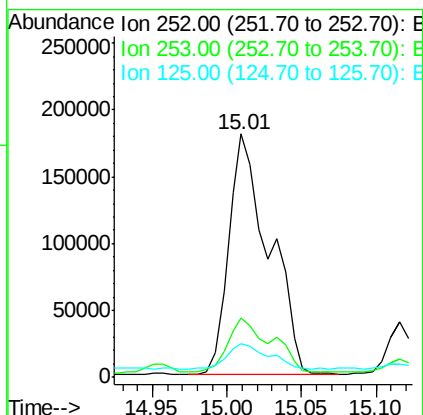
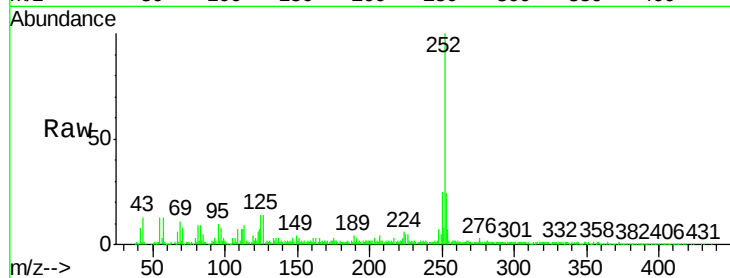




#89
Benzo(k)fluoranthene
Concen: 21.835 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

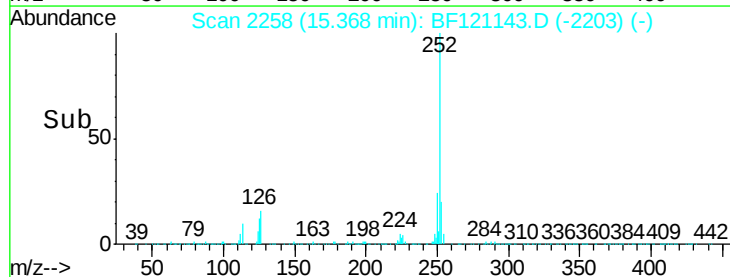
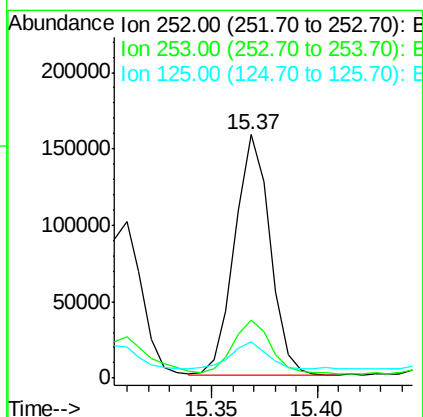
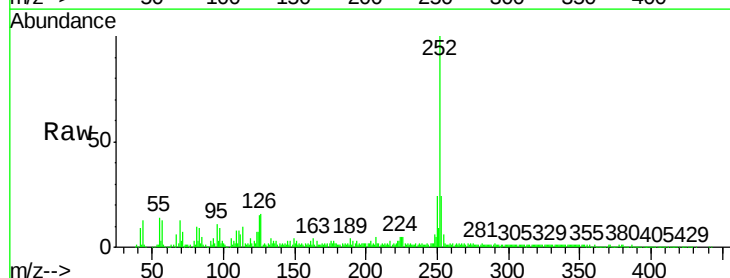
Instrument :
BNA_F
ClientSampleId :
22

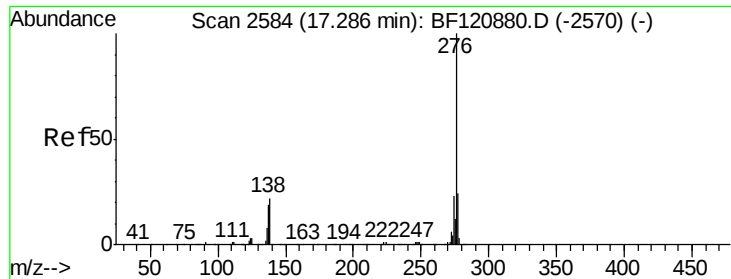
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	13.9	8.0	12.0



#90
Benzo(a)pyrene
Concen: 11.713 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121143.D
Acq: 30 Jul 2020 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	14.7	9.5	14.3

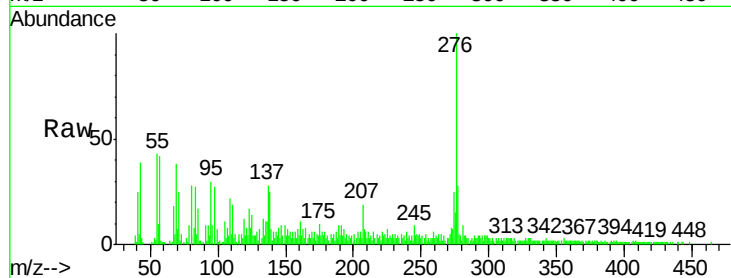




#92
 Benzo(a,h,i)perylene
 Concen: 5.399 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. 0.05 min
 Lab File: BF121143.D
 Acq: 30 Jul 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 22

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.4	29.0
138	24.7	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

