

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121119.D
 Acq On : 30 Jul 2020 00:04
 Operator : JU/CG
 Sample : L3436-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: Jul 30 01:00:52 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	173738	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	642412	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	306320	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	509763	20.00	ng	0.01
76) Chrysene-d12	13.97	240	430961	20.00	ng	0.00
86) Perylene-d12	15.43	264	361947	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	173818	16.40	ng	0.00
7) Phenol-d6	6.44	99	207697	15.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	111467	10.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	39714	11.84	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	246611	12.02	ng	0.00
79) Terphenyl-d14	12.91	244	216978	10.94	ng	0.00

Target Compounds

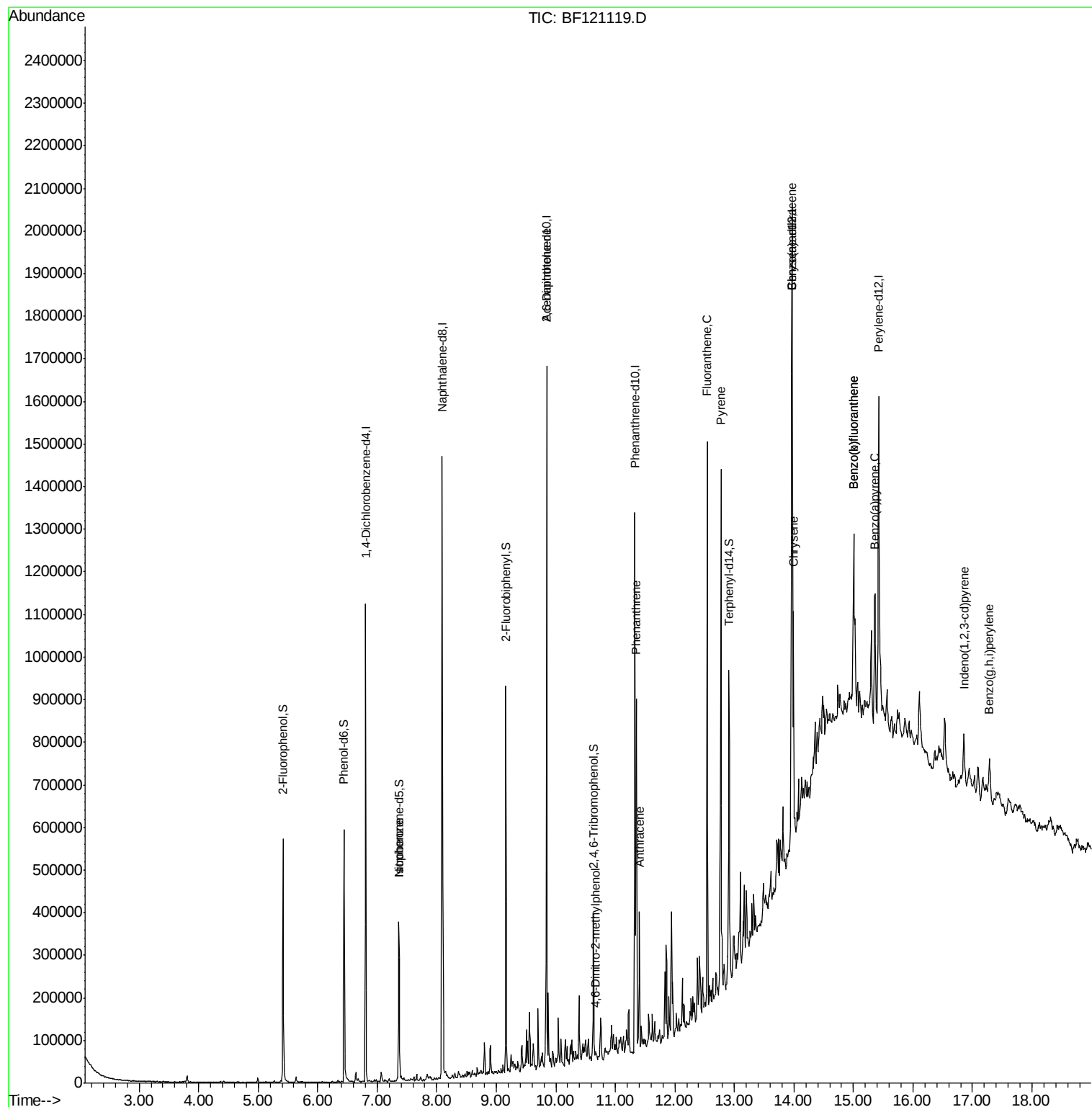
						Qvalue
9) Benzaldehyde	6.36	77	115	Below Cal	#	1
25) Isophorone	7.36	82	106638	4.813 ng	#	62
51) 2,6-Dinitrotoluene	9.85	165	40892	8.613 ng	#	27
65) 4,6-Dinitro-2-methylphenol	10.66	198	372	3.959 ng	#	1
71) Phenanthrene	11.35	178	304832	11.627 ng		99
72) Anthracene	11.40	178	109030	4.142 ng		99
75) Fluoranthene	12.54	202	527212	18.142 ng		99
78) Pyrene	12.77	202	526417	17.277 ng		98
81) Benzo(a)anthracene	13.96	228	239881	9.192 ng		95
83) Chrysene	13.99	228	224785	8.196 ng		97
87) Indeno(1,2,3-cd)pyrene	16.86	276	77722	3.088 ng		97
88) Benzo(b)fluoranthene	15.00	252	296796	13.566 ng	#	95
89) Benzo(k)fluoranthene	15.00	252	296796	14.875 ng	#	95
90) Benzo(a)pyrene	15.36	252	157101	7.870 ng		97
92) Benzo(a,h,i)perylene	17.29	276	74639	3.682 ng		96

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

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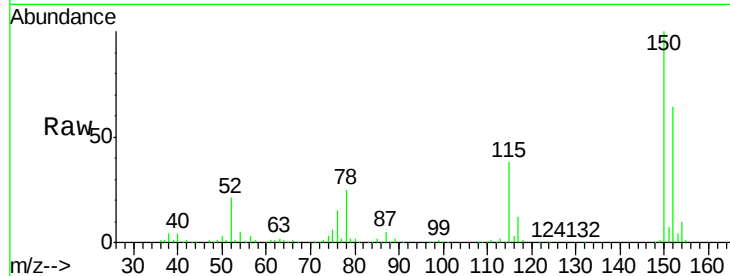


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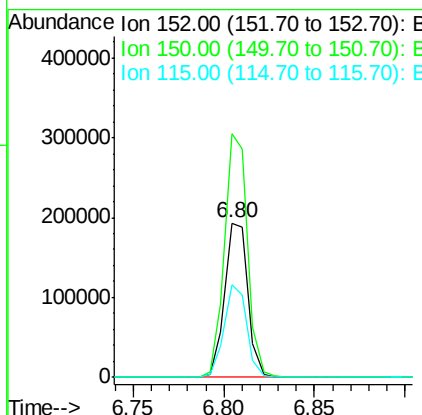
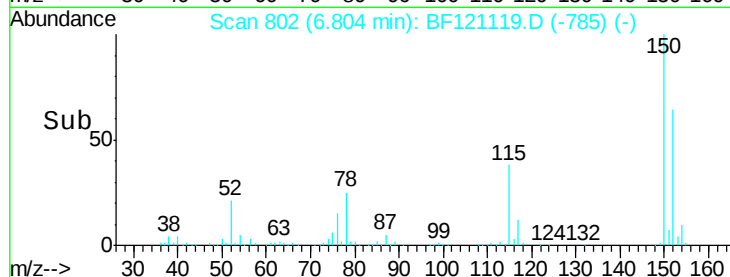
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion:152 Resp: 173738
Ion Ratio Lower Upper
152 100
150 157.5 125.6 188.4
115 59.9 46.2 69.2



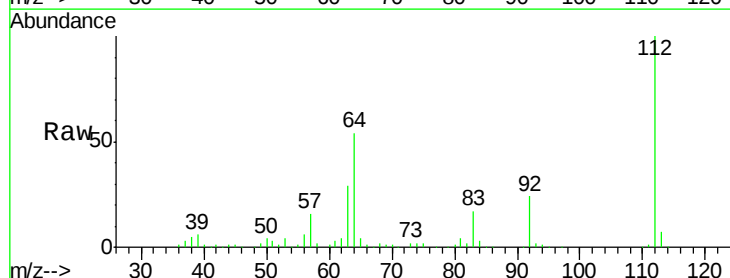
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



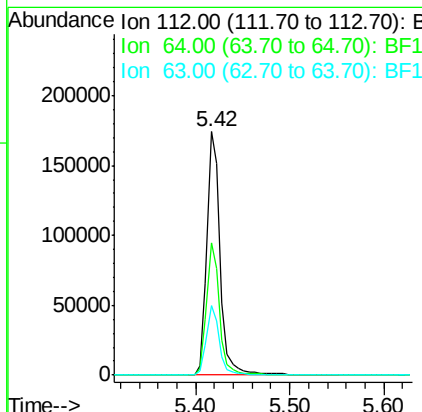
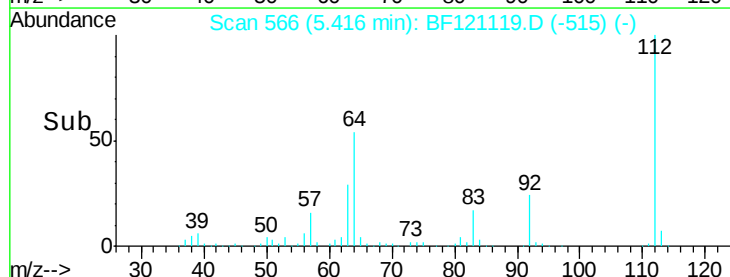
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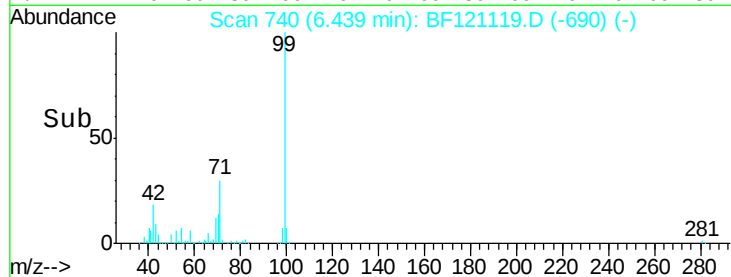
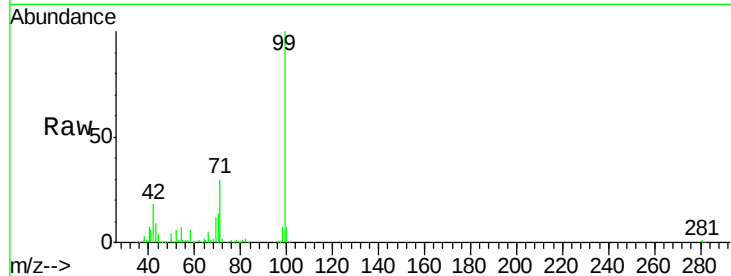
2-Fluorophenol
Concen: 16.401 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion:112 Resp: 173818
Ion Ratio Lower Upper
112 100
64 54.5 43.9 65.9
63 28.6 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: 15.172 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Instrument :

BNA_F

ClientSampleId :

1

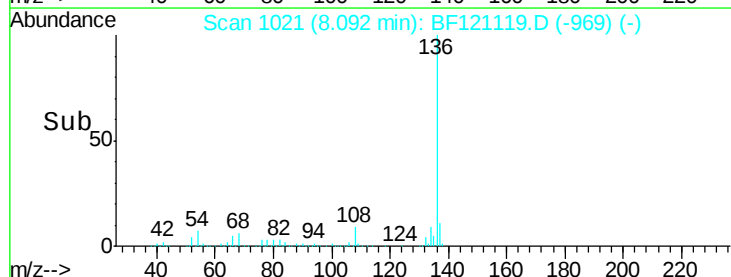
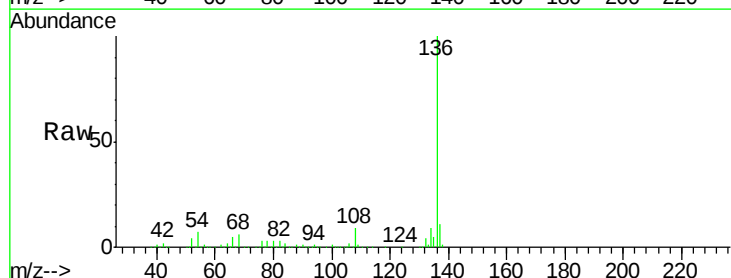
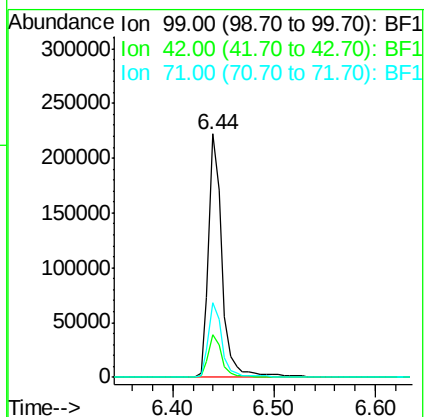
Tot Ion: 99 Resp: 207697

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 30.5 25.0 37.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Tgt Ion: 136 Resp: 642412

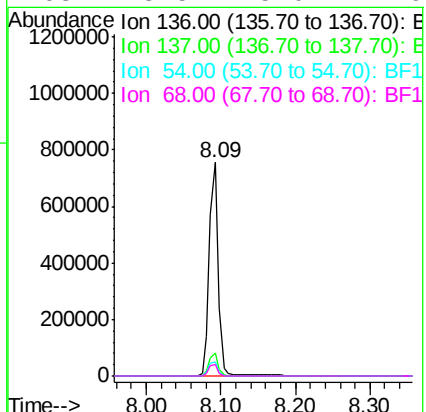
Ion Ratio Lower Upper

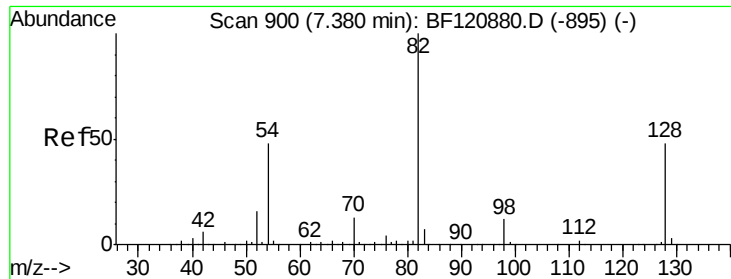
136 100

137 10.9 9.0 13.4

54 6.7 6.1 9.1

68 5.5 5.0 7.6

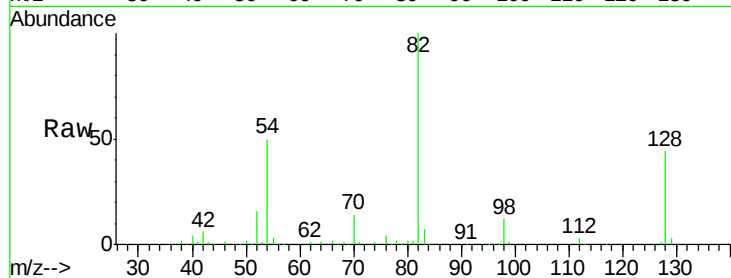




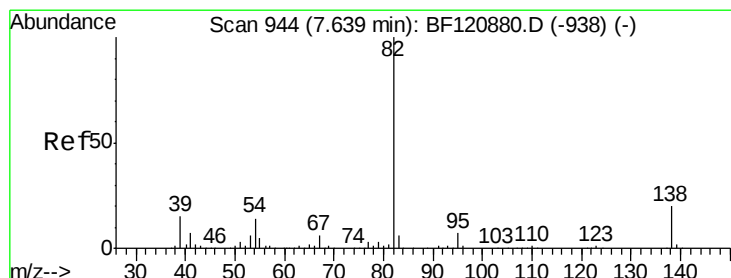
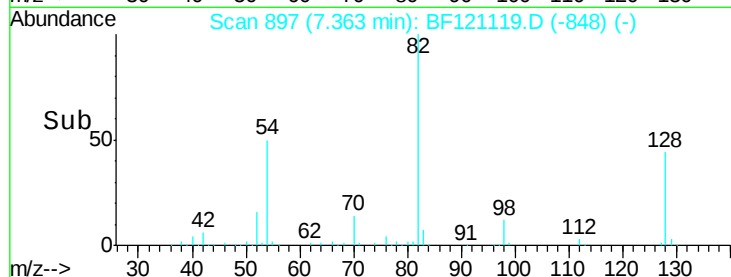
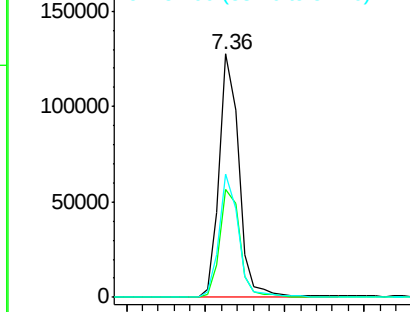
#23
Nitrobenzene-d5
Concen: 10.040 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampled :
1

Tot Ion: 82 Resp: 111467
Ion Ratio Lower Upper
82 100
128 44.4 39.2 58.8
54 50.4 37.8 56.8

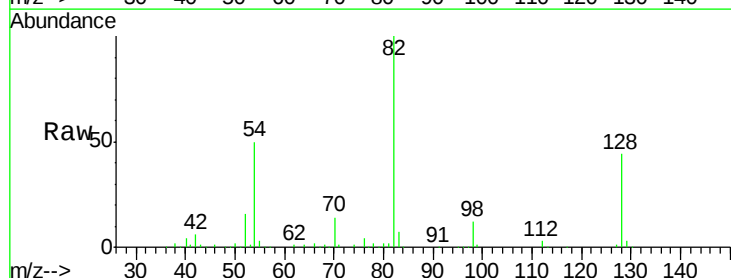


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

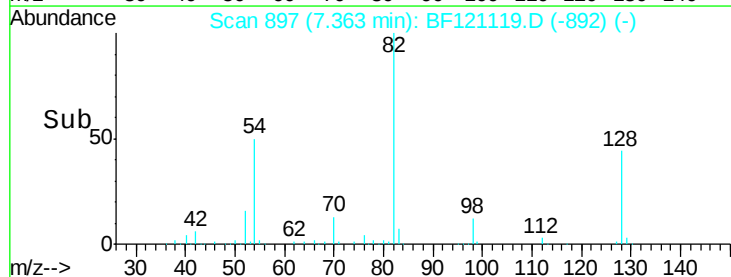
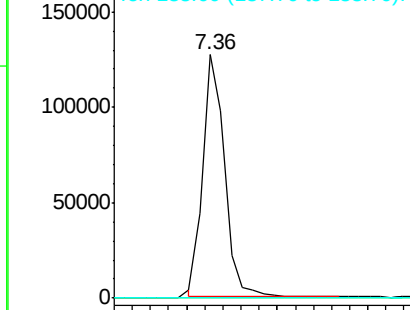


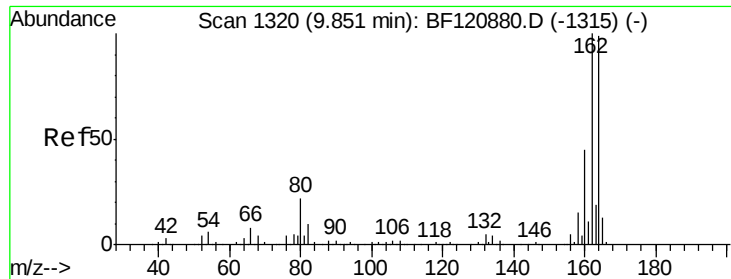
#25
Isophorone
Concen: 4.813 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.27 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion: 82 Resp: 106638
Ion Ratio Lower Upper
82 100
95 0.2 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

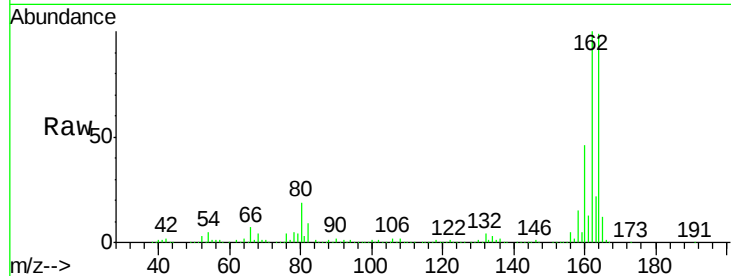




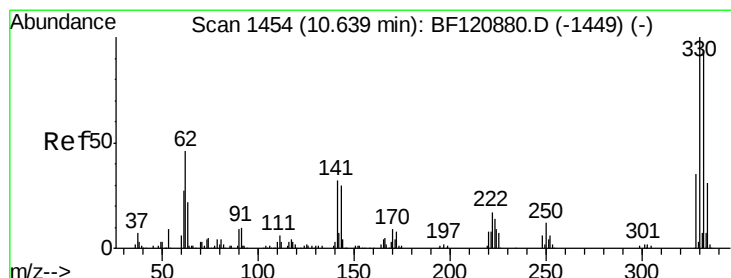
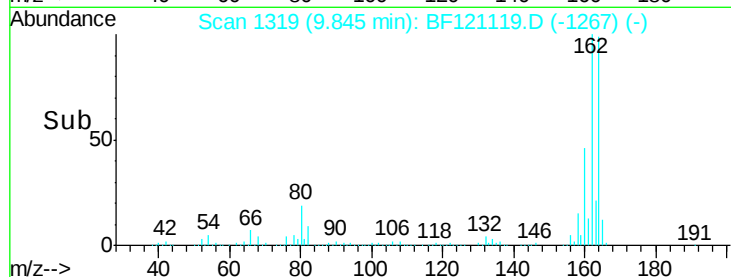
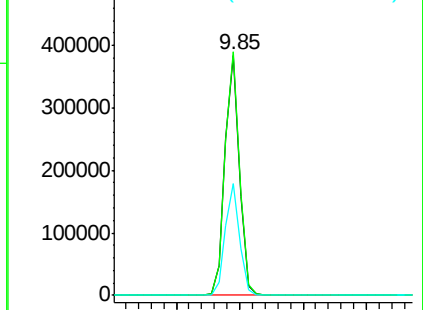
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	46.3	37.2	55.8

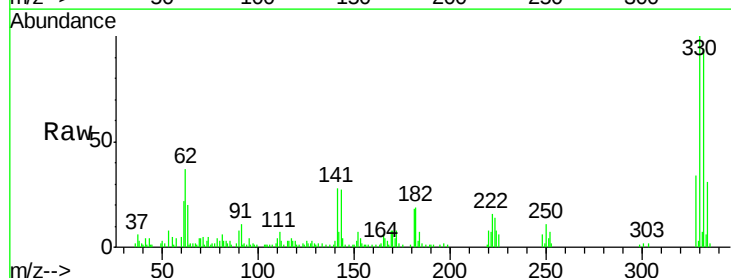


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

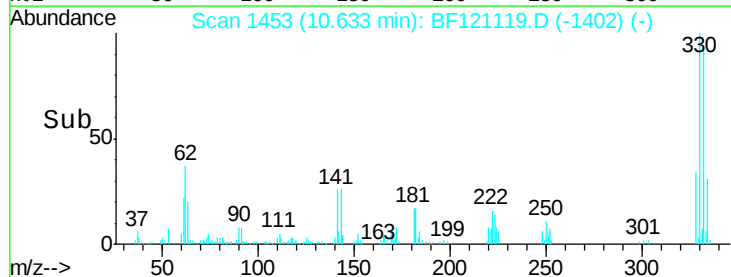
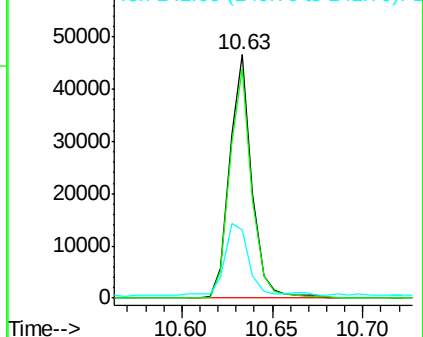


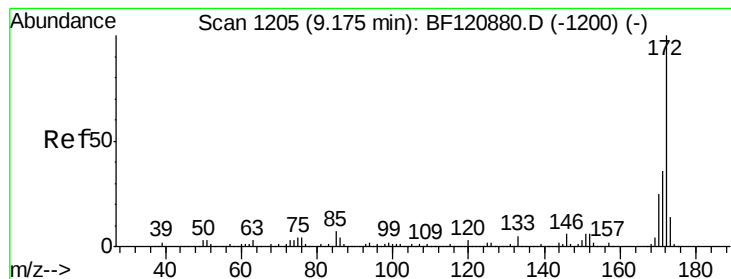
#42
2,4,6-Tribromophenol
Concen: 11.844 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.1	114.1
141	33.2	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: 12.020 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Instrument :

BNA_F

ClientSampleId :

1

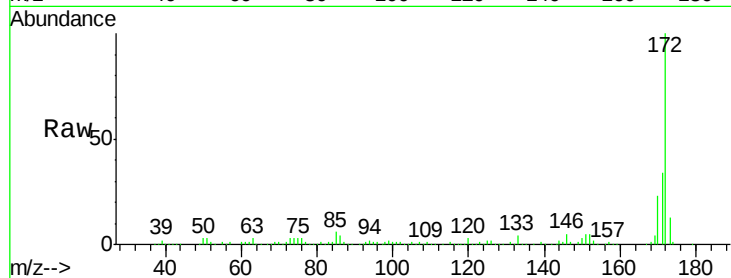
Tot Ion:172 Resp: 246611

Ion Ratio Lower Upper

172 100

171 34.5 29.0 43.4

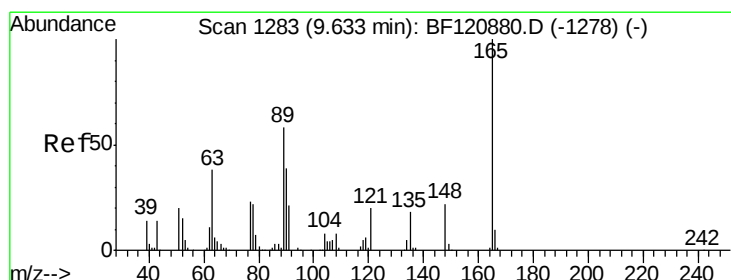
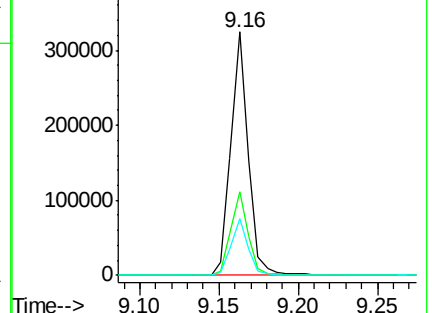
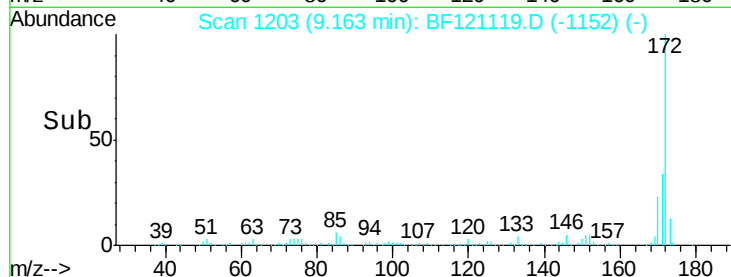
170 23.4 19.6 29.4



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



#51

2,6-Dinitrotoluene

Concen: 8.613 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.22 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

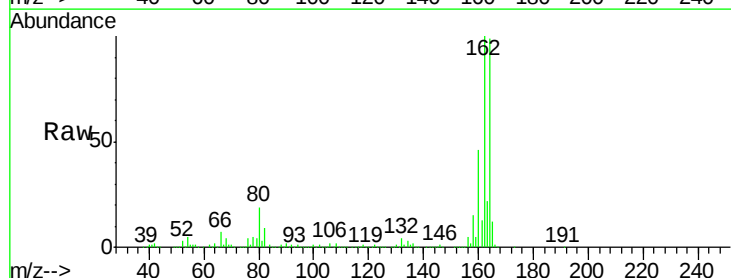
Tgt Ion:165 Resp: 40892

Ion Ratio Lower Upper

165 100

63 1.0 41.1 61.7#

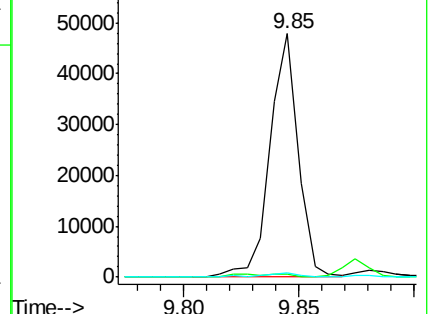
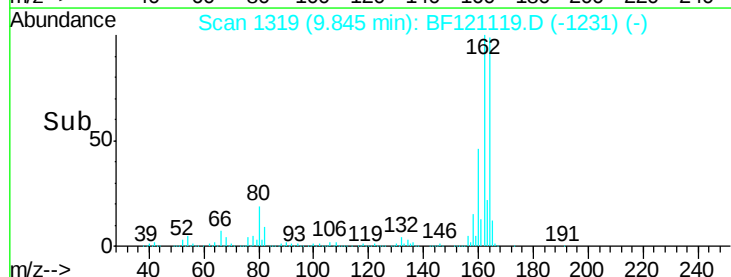
89 1.5 43.5 65.3#

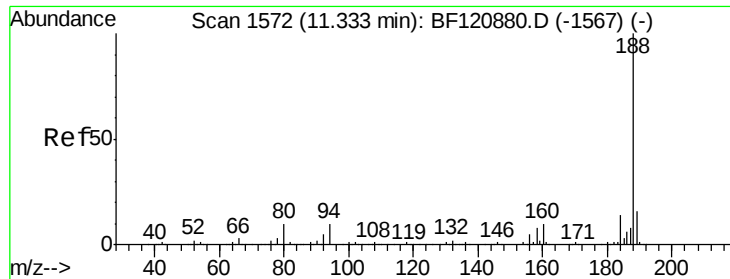


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

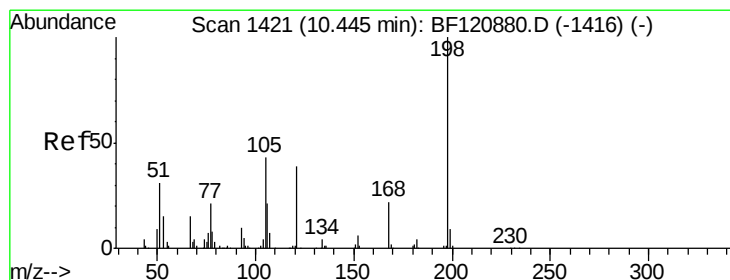
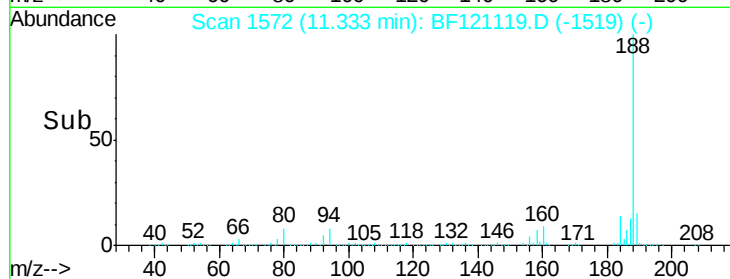
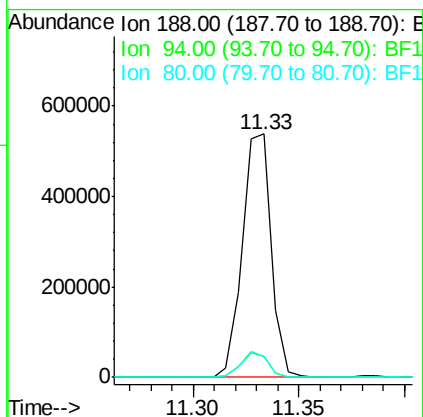
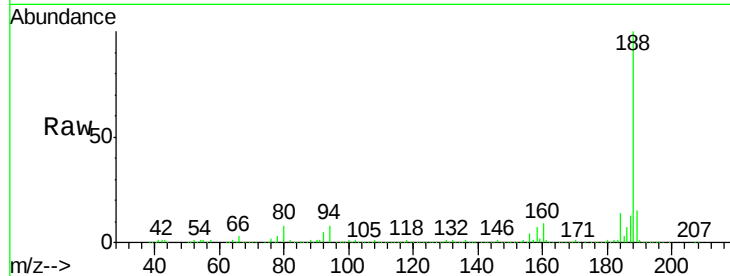




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

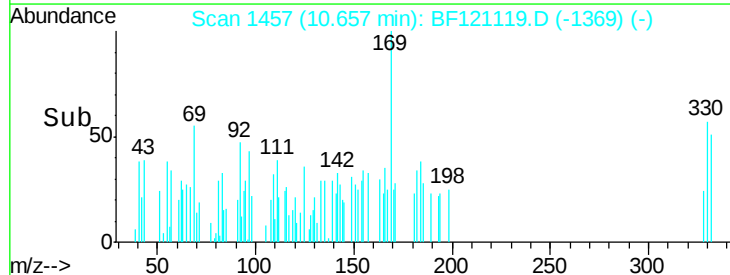
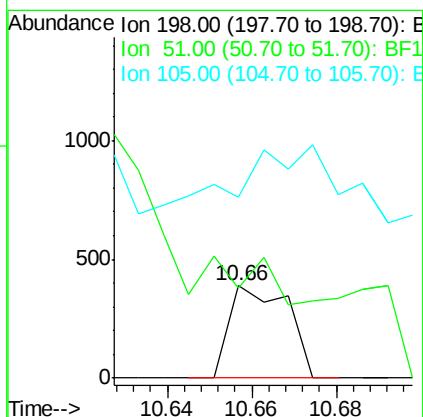
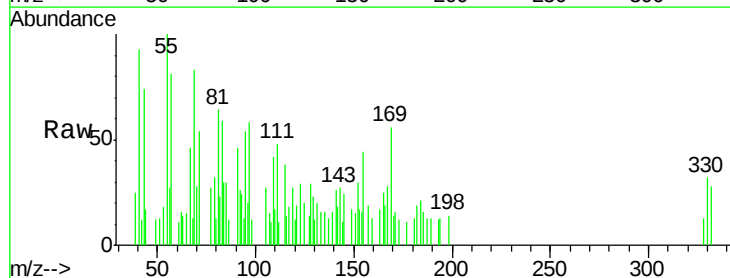
Instrument :
 BNA_F
 ClientSampleId :
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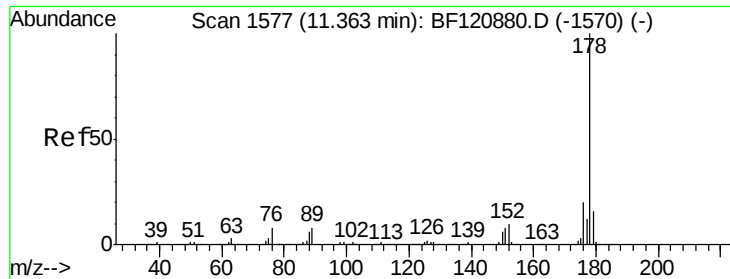
Tot Ion:188 Resp: 509763
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.0 12.0
 80 8.4 8.3 12.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.959 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.22 min
 Lab File: BF121119.D
 Acq: 30 Jul 2020 00:04

Tgt Ion:198 Resp: 372
 Ion Ratio Lower Upper
 198 100
 51 98.4 23.4 63.4#
 105 197.4 23.7 63.7#

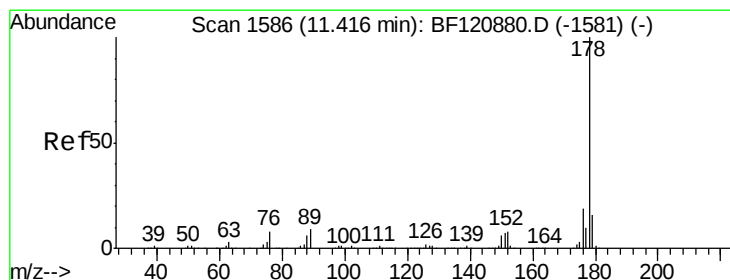
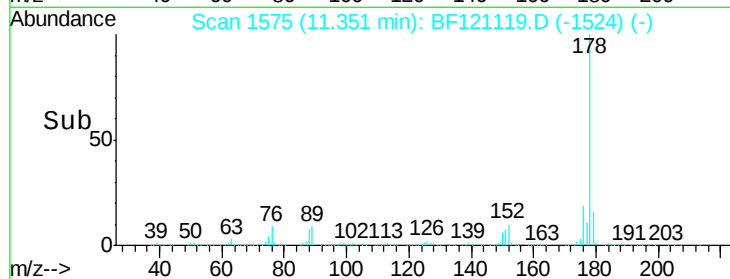
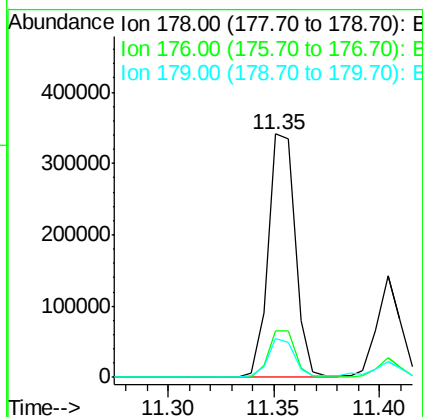
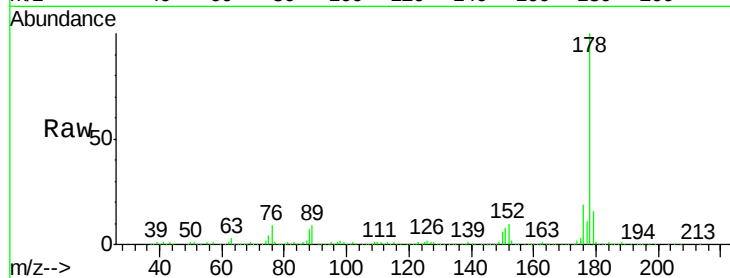




#71
Phenanthrene
Concen: 11.627 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

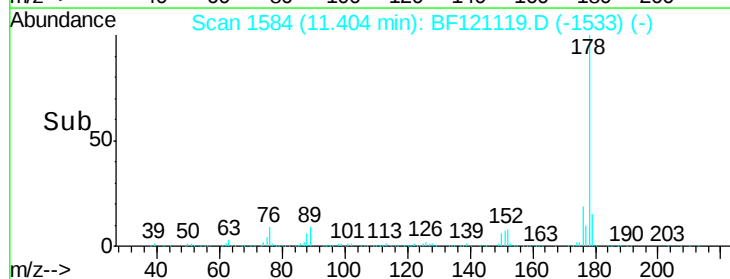
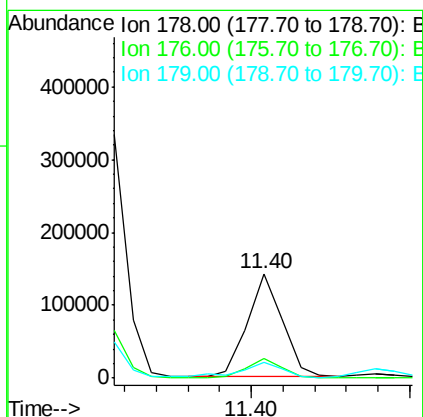
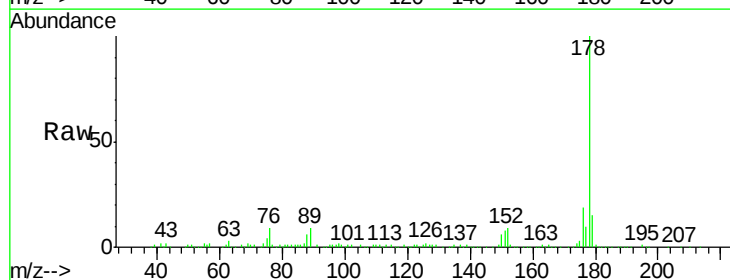
Instrument :
BNA_F
ClientSampleId :
1

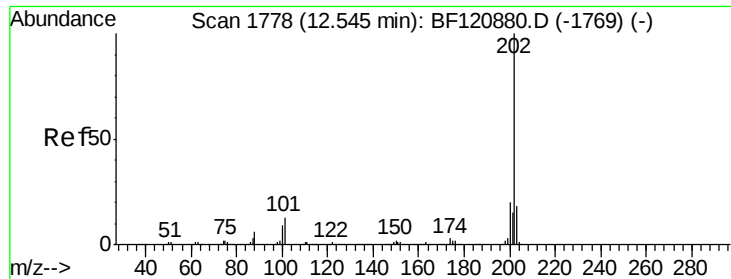
Tot Ion:178 Resp: 304832
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 16.0 12.6 19.0



#72
Anthracene
Concen: 4.142 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion:178 Resp: 109030
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.3 12.6 19.0





#75

Fluoranthene

Concen: 18.142 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Instrument :

BNA_F

ClientSampleId :

1

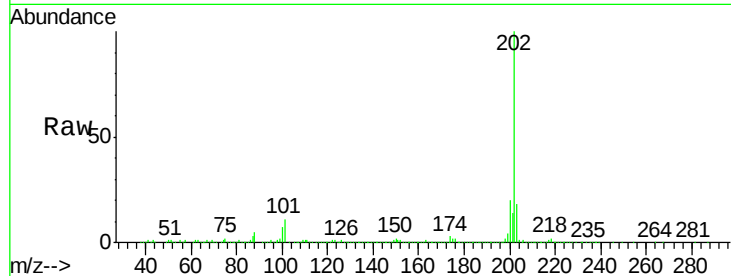
Tot Ion:202 Resp: 527212

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.5

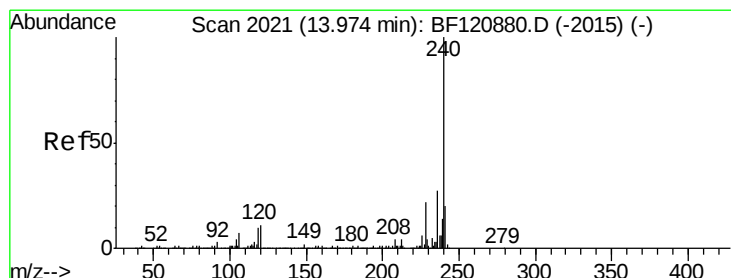
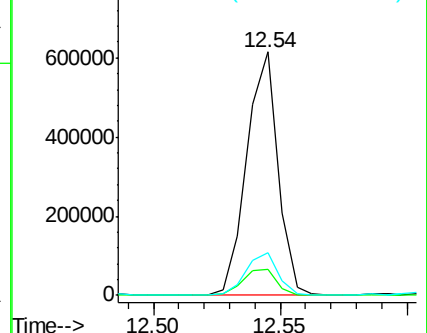
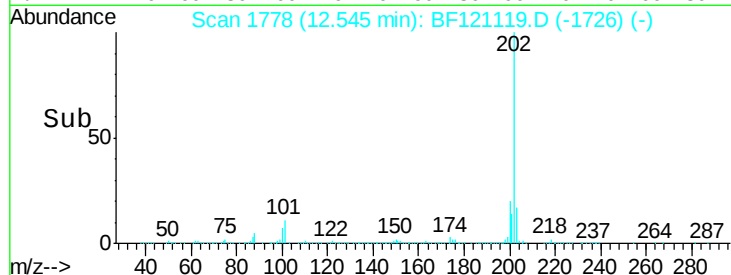
203 17.5 0.0 37.7



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: BF121119.D

Acq: 30 Jul 2020 00:04

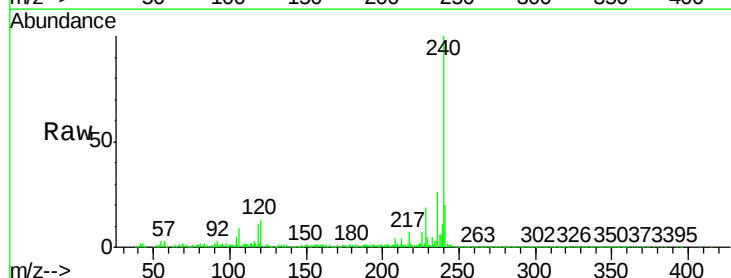
Tgt Ion:240 Resp: 430961

Ion Ratio Lower Upper

240 100

120 12.5 9.3 13.9

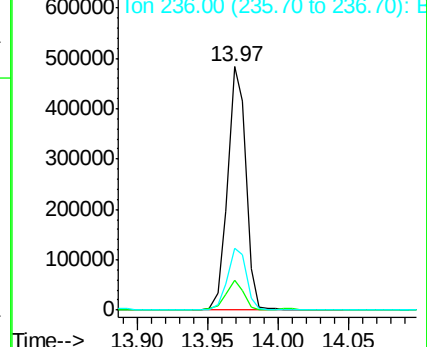
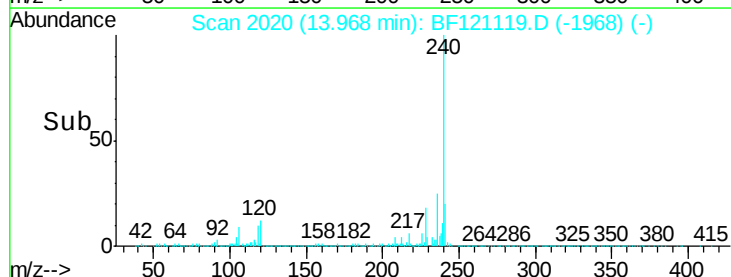
236 25.6 21.1 31.7

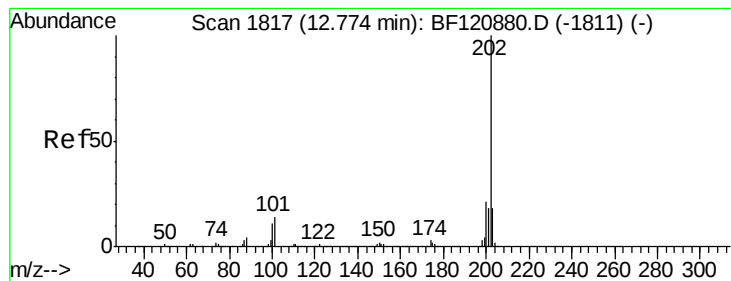


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 17.277 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Instrument :

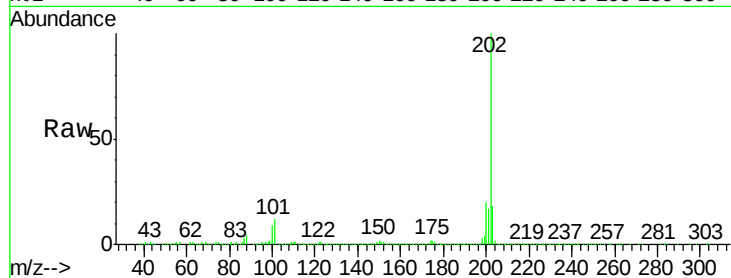
BNA_F

ClientSampleId :

1

Tot Ion:202 Resp: 526417

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.6
203	17.7	14.6	21.8

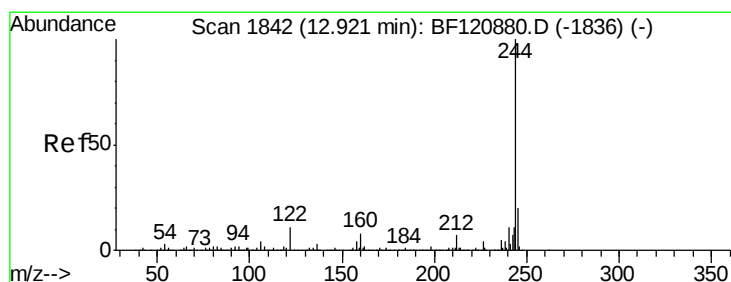
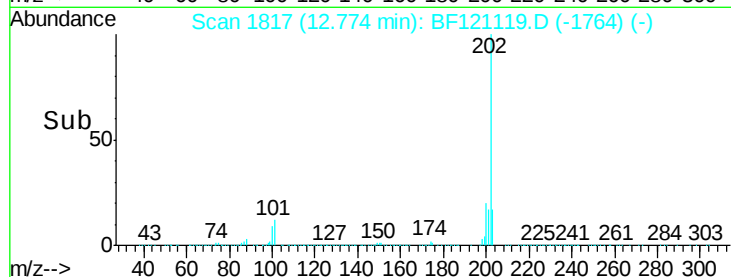
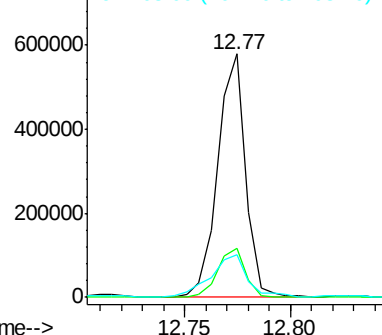


Abundance

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: 10.944 ng

RT: 12.91 min Scan# 1840

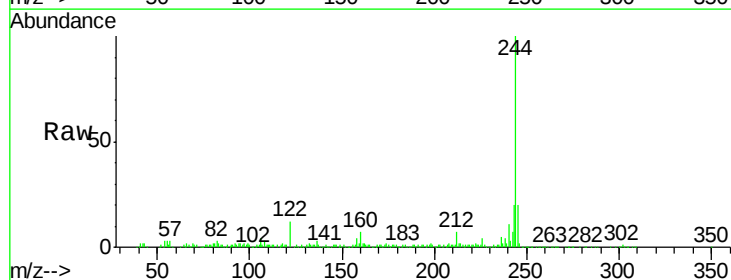
Delta R.T. -0.00 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Tgt Ion:244 Resp: 216978

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.8	8.3	12.5

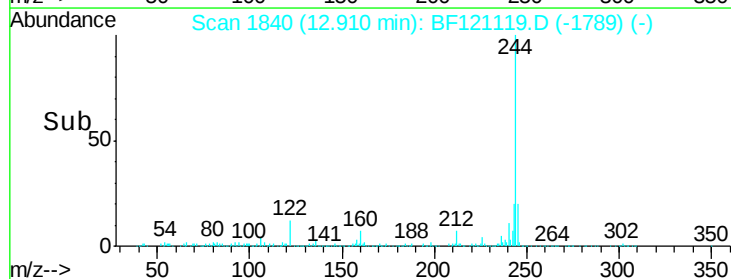
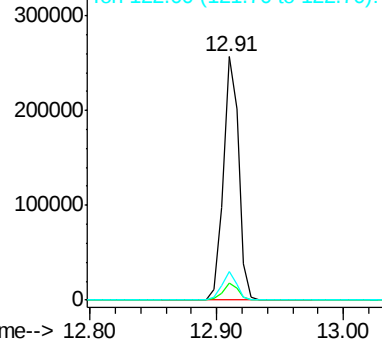


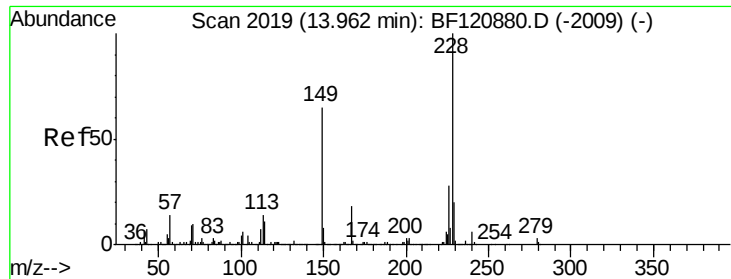
Abundance

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

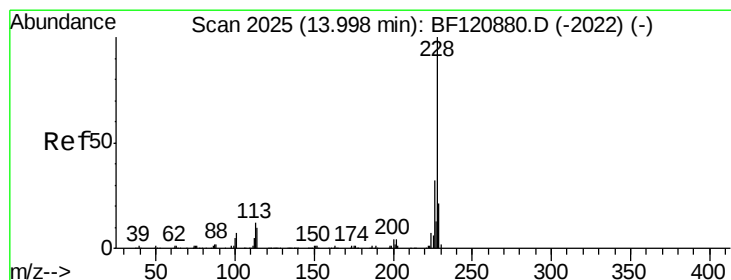
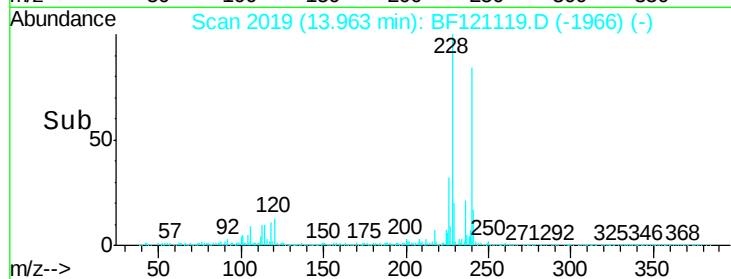
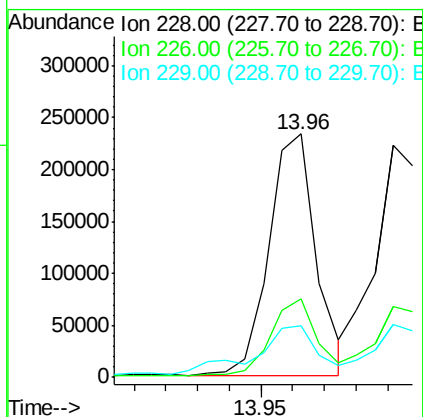
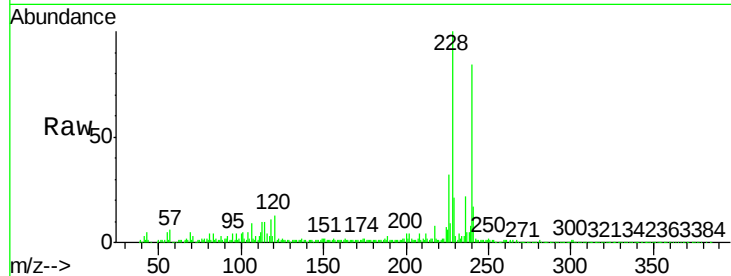




#81
Benzo(a)anthracene
Concen: 9.192 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

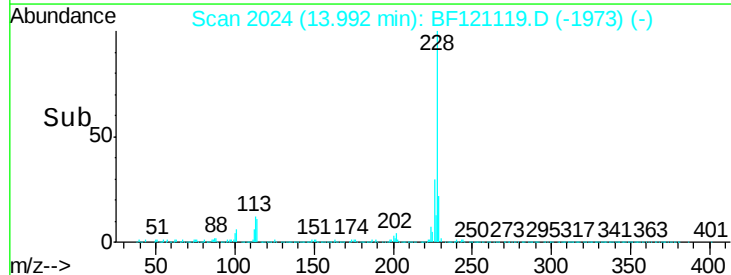
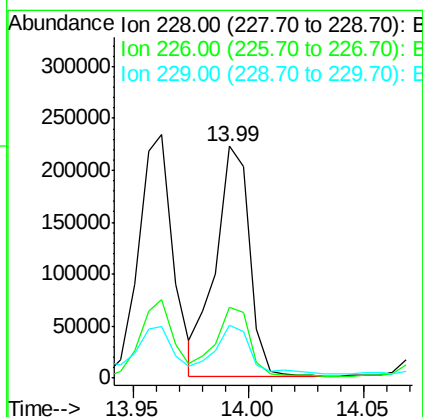
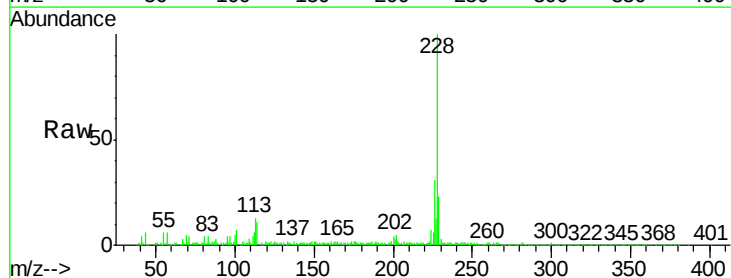
Instrument :
BNA_F
ClientSampleId :
1

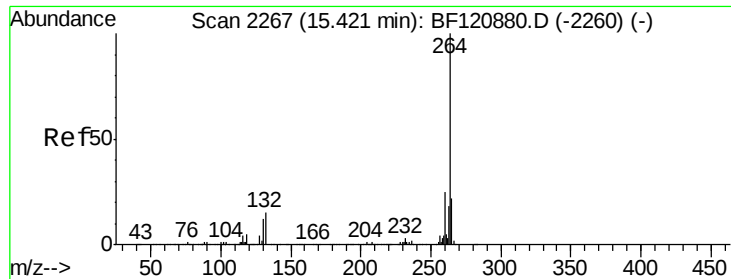
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	34.0
229	21.3	16.1	24.1



#83
Chrysene
Concen: 8.196 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	22.9	16.2	24.4



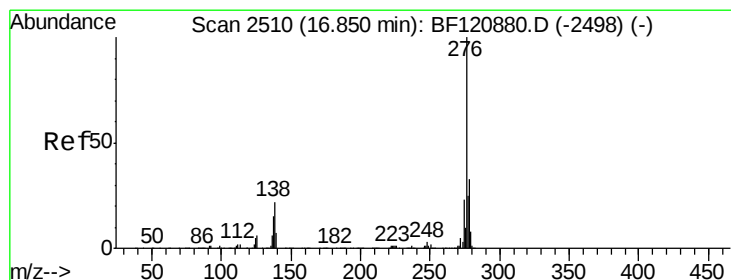
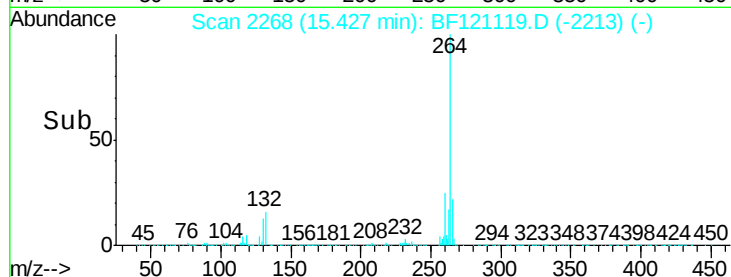
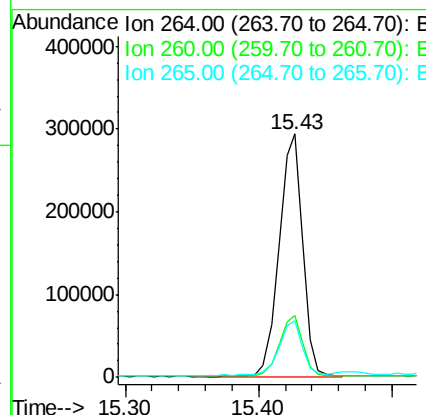
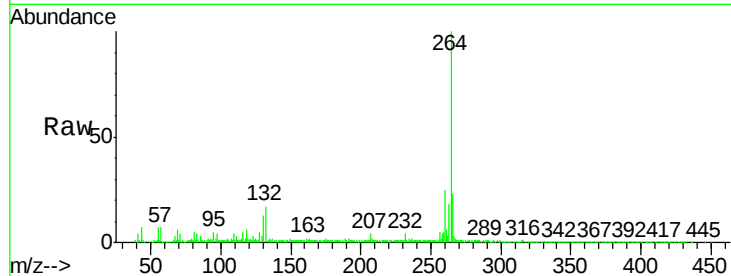


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Instrument :
BNA_F
ClientSampleId :
1

Tot Ion:264 Resp: 361947

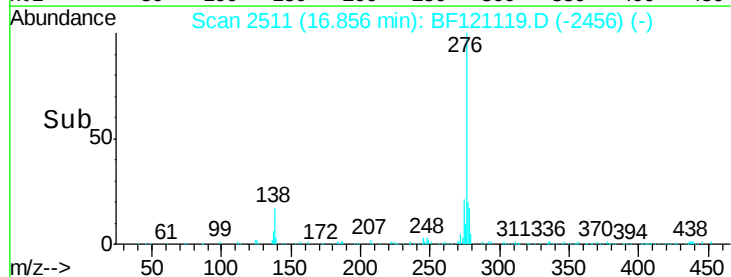
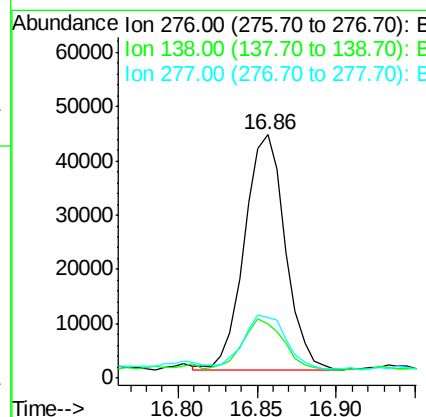
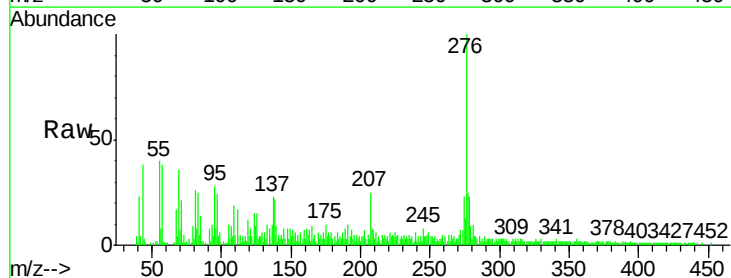
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.9	29.9
265	23.0	17.8	26.8

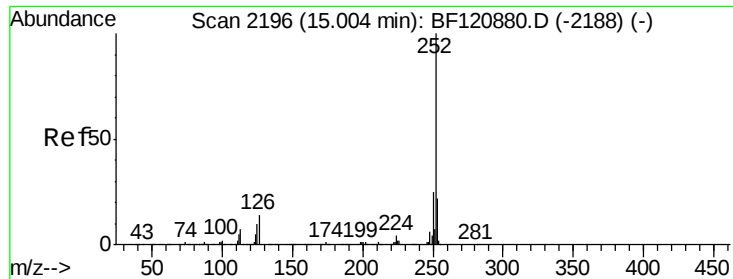


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.088 ng
RT: 16.86 min Scan# 2511
Delta R.T. 0.02 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion:276 Resp: 77722

Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.3	28.9
277	24.1	20.1	30.1

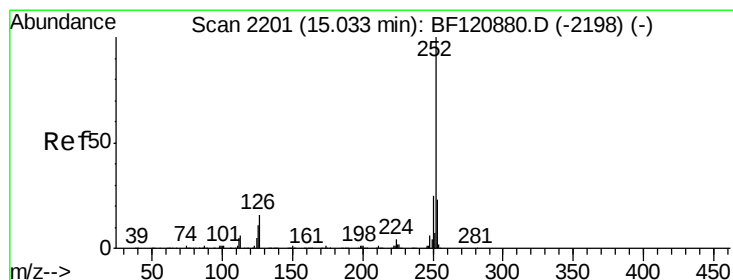
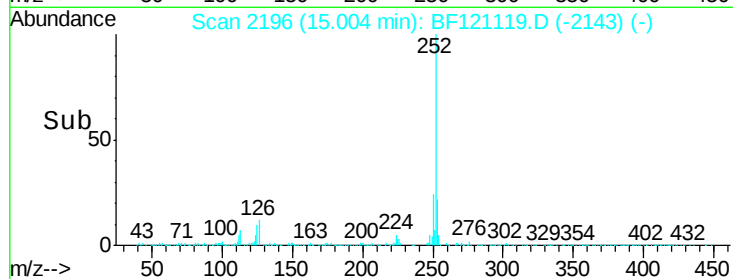
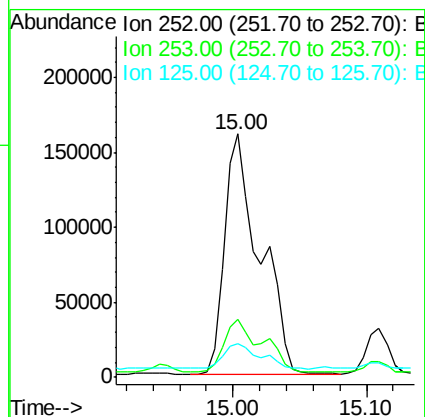
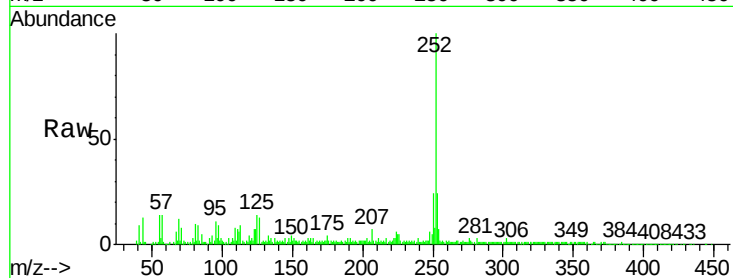




#88
Benzo(b)fluoranthene
Concen: 13.566 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

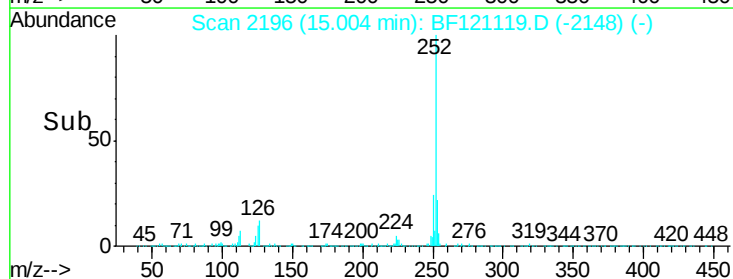
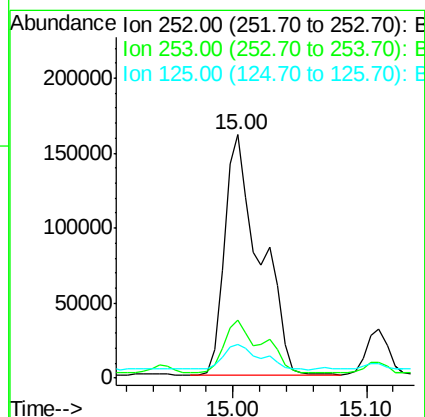
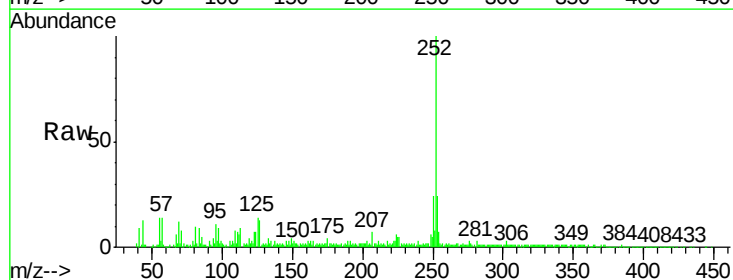
Instrument :
BNA_F
ClientSampleId :
1

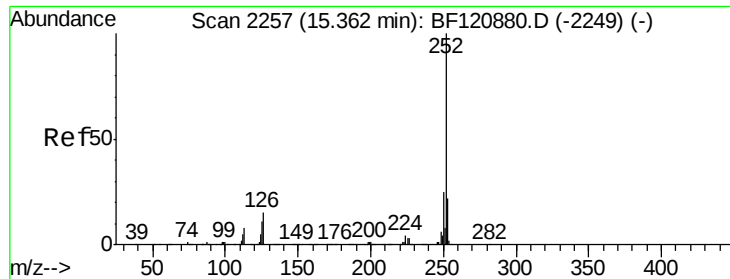
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	13.8	8.1	12.1



#89
Benzo(k)fluoranthene
Concen: 14.875 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF121119.D
Acq: 30 Jul 2020 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	13.8	8.0	12.0





#90

Benzo(a)pyrene

Concen: 7.870 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.02 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

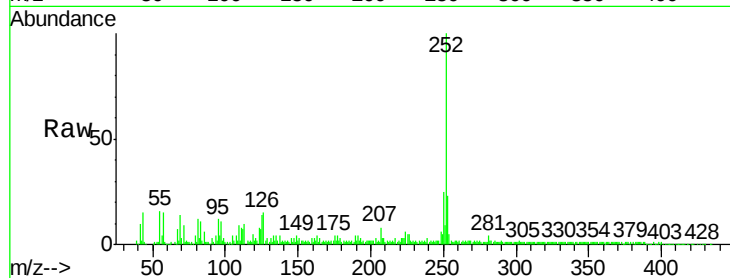
Instrument :

BNA_F

ClientSampleId :

1

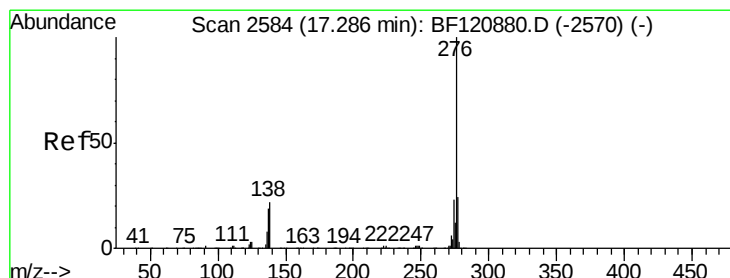
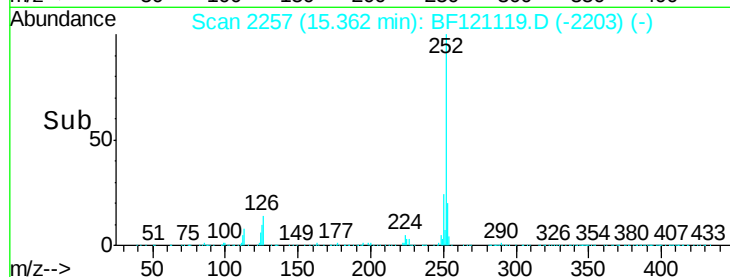
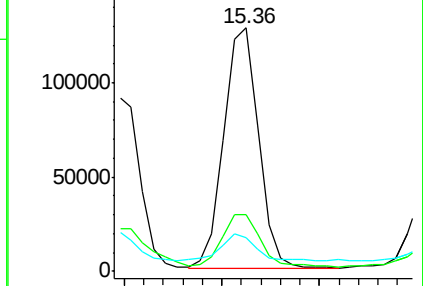
Tot Ion:	252	Resp:	157101
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	14.0	9.5	14.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.682 ng

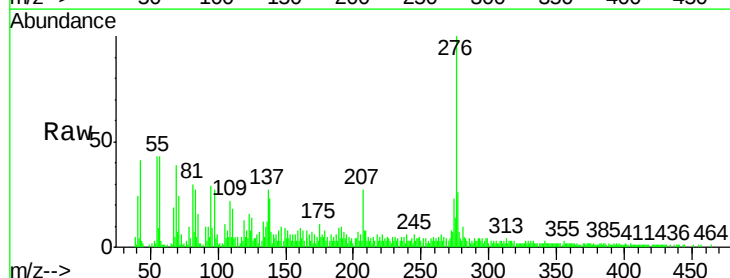
RT: 17.29 min Scan# 2584

Delta R.T. 0.02 min

Lab File: BF121119.D

Acq: 30 Jul 2020 00:04

Tgt Ion:	276	Resp:	74639
Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.4	29.0
138	23.3	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

