

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120192.D
 Acq On : 24 Apr 2020 10:39
 Operator : MA/SJ
 Sample : L2397-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP

Quant Time: Apr 24 11:19:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	141062	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	552798	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	284516	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	533545	20.00	ng	0.00
76) Chrysene-d12	13.82	240	336165	20.00	ng	-0.01
87) Perylene-d12	15.22	264	283821	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	832930	102.04	ng	0.00
7) Phenol-d6	6.31	99	1107233	105.27	ng	0.00
23) Nitrobenzene-d5	7.23	82	724523	67.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.49	330	311494	89.42	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1450612	72.39	ng	0.00
79) Terphenyl-d14	12.77	244	1543039	77.24	ng	0.00

Target Compounds

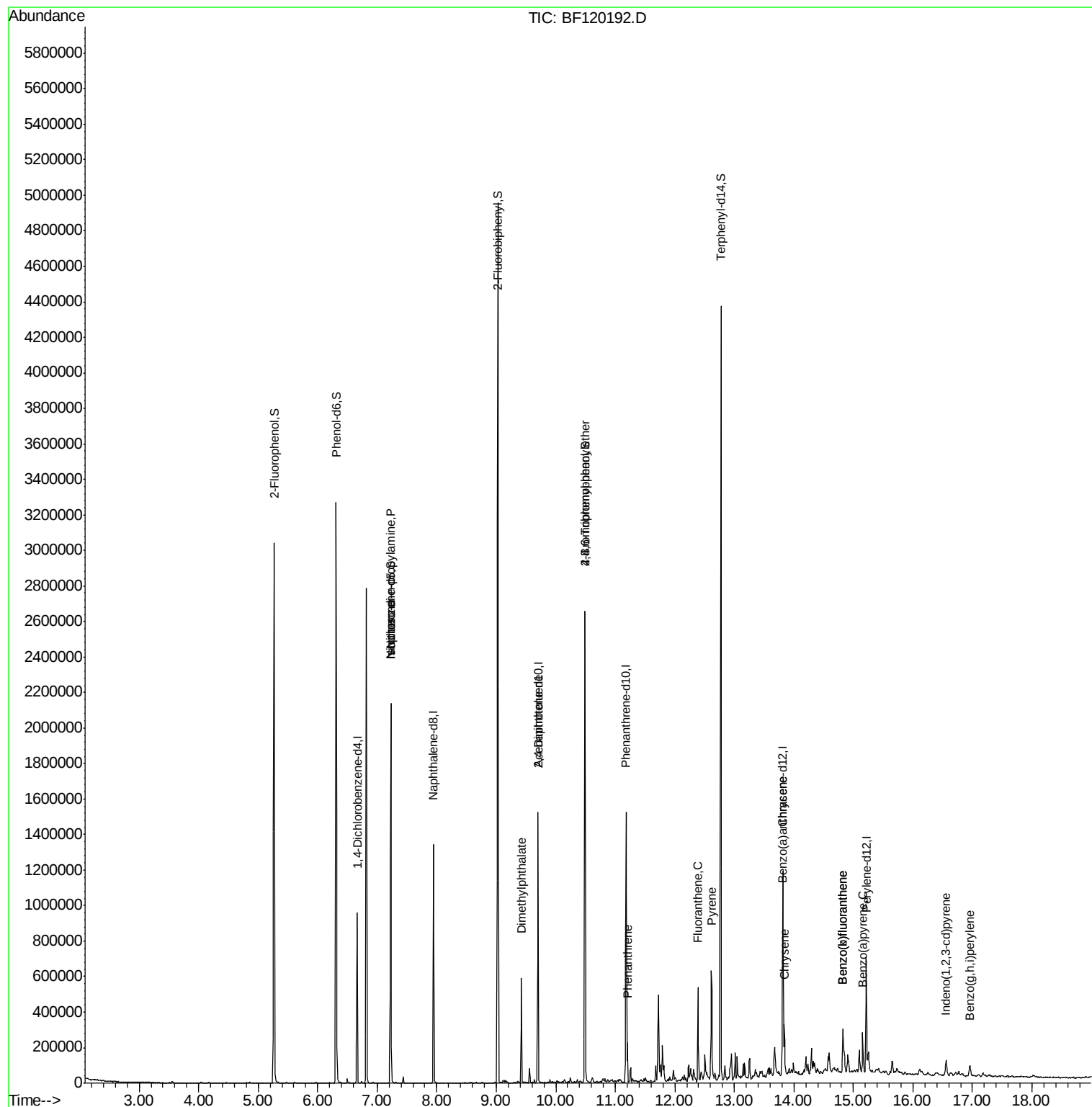
						Qvalue
9) Benzaldehyde	6.31	77	1361	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.23	70	93672	13.850 ng	#	76
25) Isophorone	7.23	82	721641	35.034 ng	#	65
50) Dimethylphthalate	9.42	163	201801	9.170 ng		100
57) 2,4-Dinitrotoluene	9.70	165	37091	5.842 ng	#	20
67) 4-Bromophenyl-phenylether	10.49	248	19460	2.933 ng	#	1
71) Phenanthrene	11.20	178	75122	2.646 ng		97
75) Fluoranthene	12.39	202	207233	6.764 ng		94
78) Pyrene	12.62	202	249013	8.787 ng		98
81) Benzo(a)anthracene	13.80	228	116167	5.253 ng		94
83) Chrysene	13.84	228	106241	4.728 ng		97
86) Indeno(1,2,3-cd)pyrene	16.56	276	53321	2.692 ng		96
88) Benzo(b)fluoranthene	14.82	252	162372	7.953 ng		98
89) Benzo(k)fluoranthene	14.82	252	162372	9.217 ng		99
90) Benzo(a)pyrene	15.16	252	98214	5.721 ng		99
92) Benzo(g,h,i)perylene	16.96	276	48156	3.208 ng	#	94

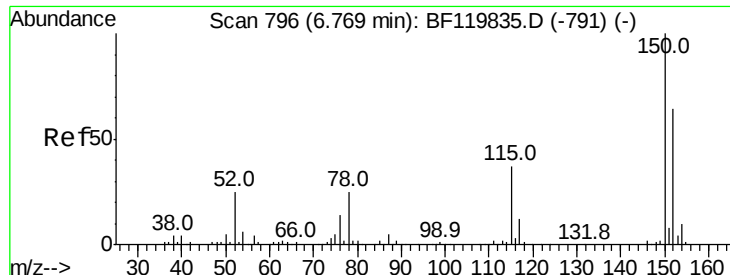
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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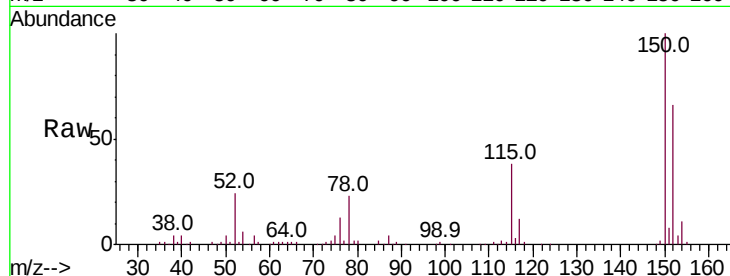


#1

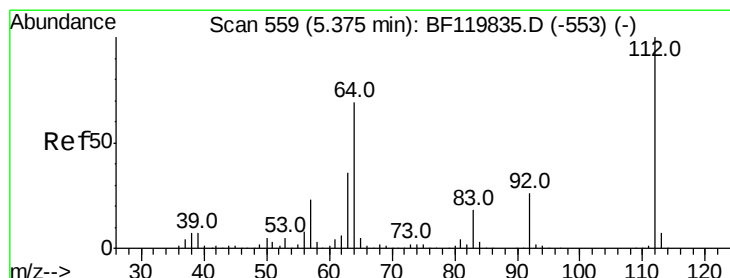
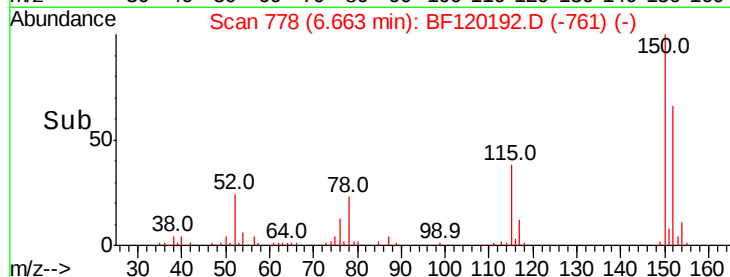
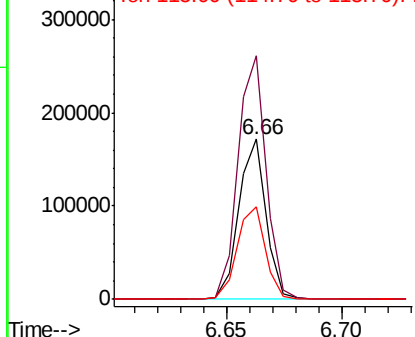
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion:152 Resp: 141062
Ion Ratio Lower Upper
152 100
150 152.0 124.5 186.7
115 58.1 49.6 74.4



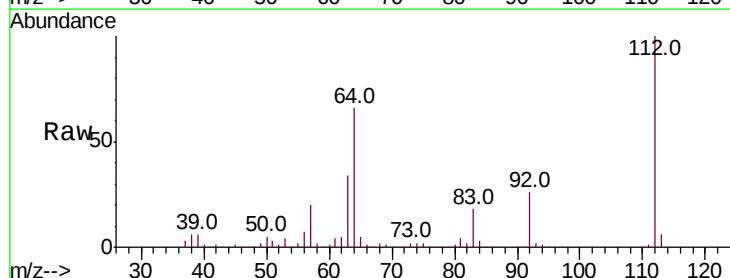
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



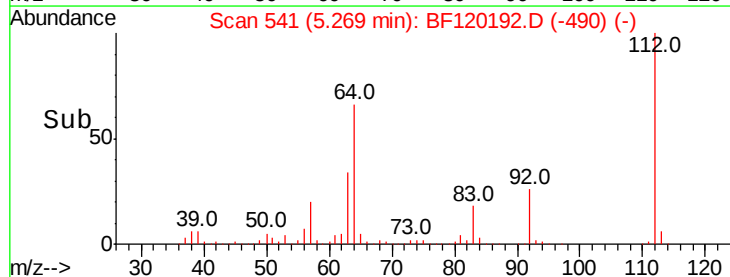
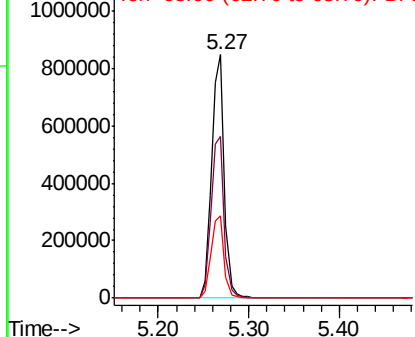
#5

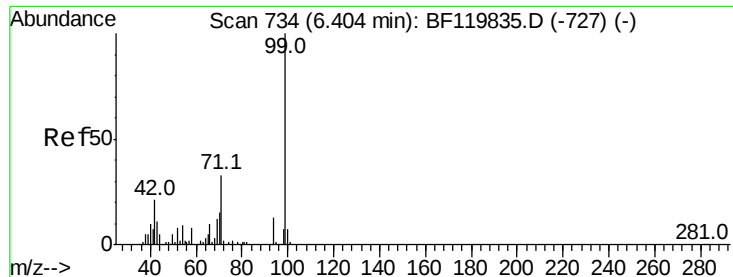
2-Fluorophenol
Concen: 102.044 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Tgt Ion:112 Resp: 832930
Ion Ratio Lower Upper
112 100
64 66.4 56.7 85.1
63 33.6 29.5 44.3



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: 105.273 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

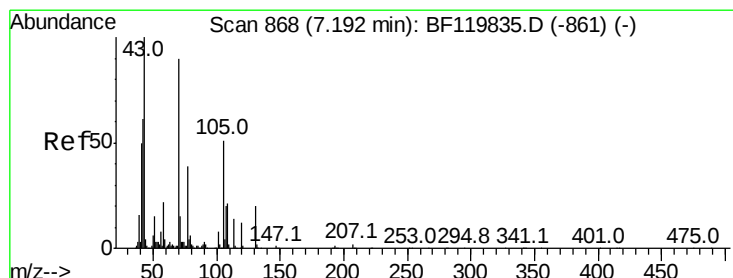
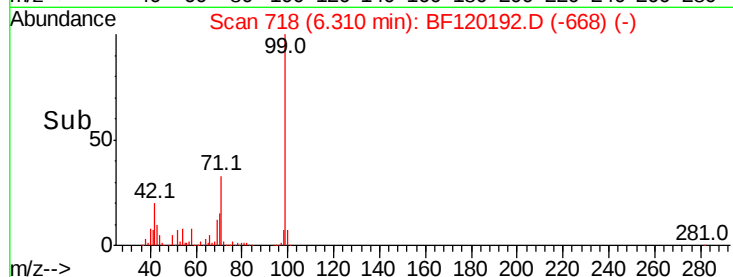
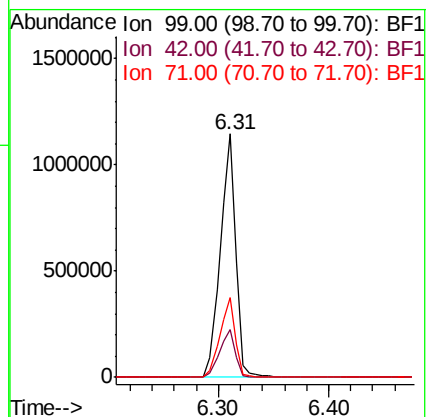
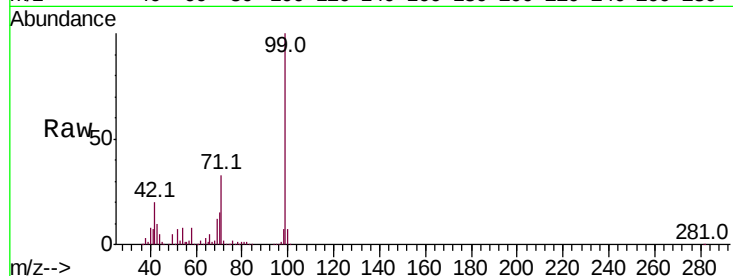
Tot Ion: 99 Resp: 1107233

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

71 33.0 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.850 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Tgt Ion: 70 Resp: 93672

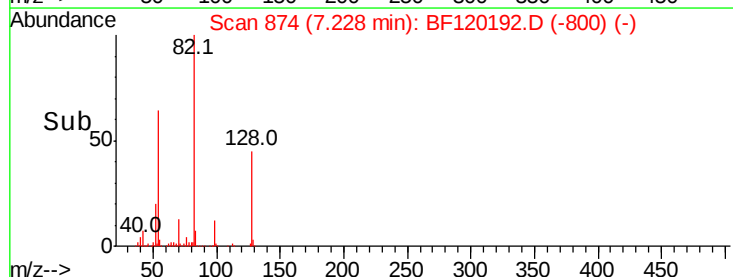
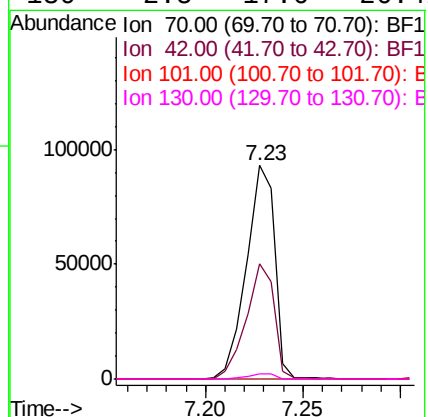
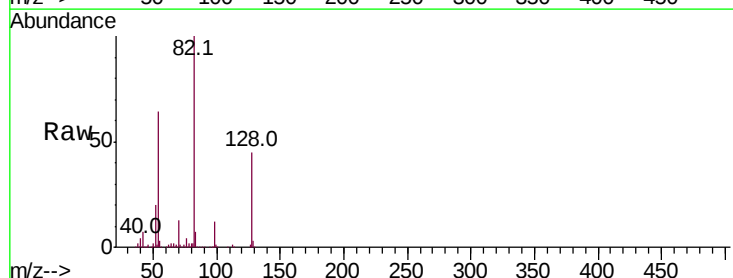
Ion Ratio Lower Upper

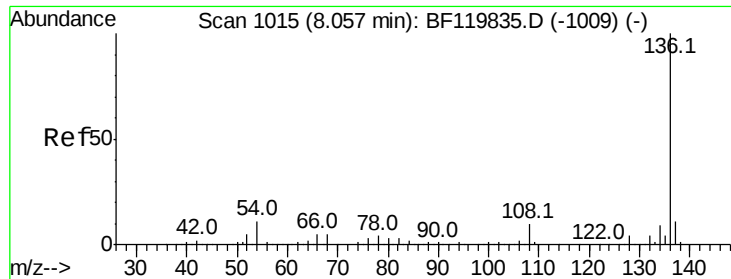
70 100

42 53.7 54.5 81.7#

101 0.0 7.6 11.4#

130 2.5 17.6 26.4#

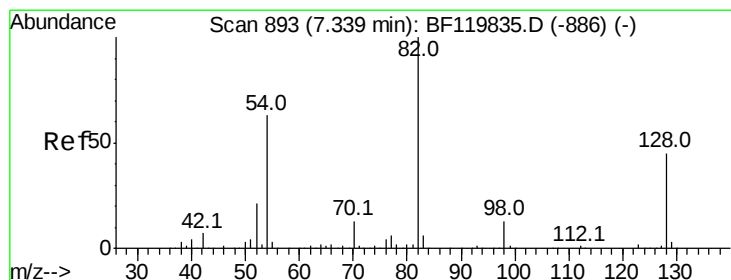
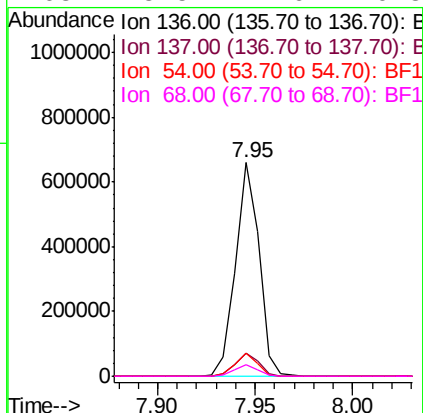
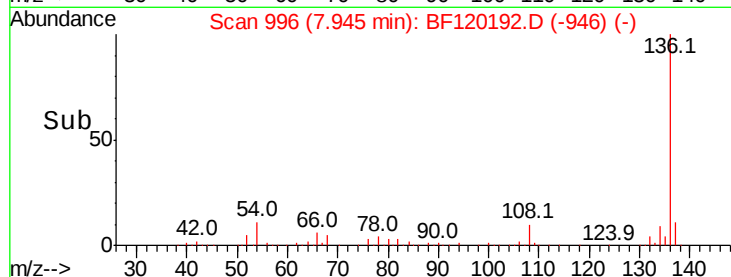
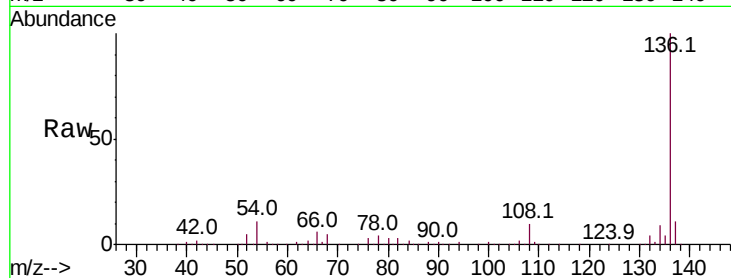




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

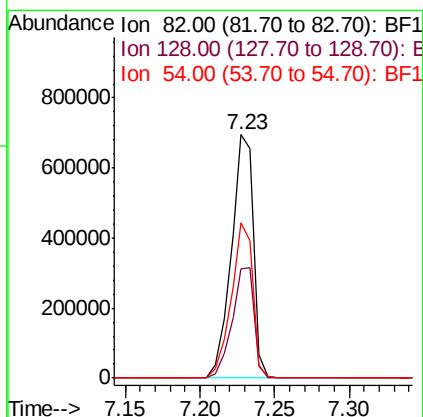
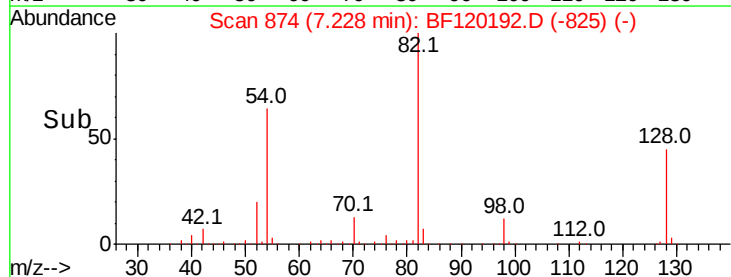
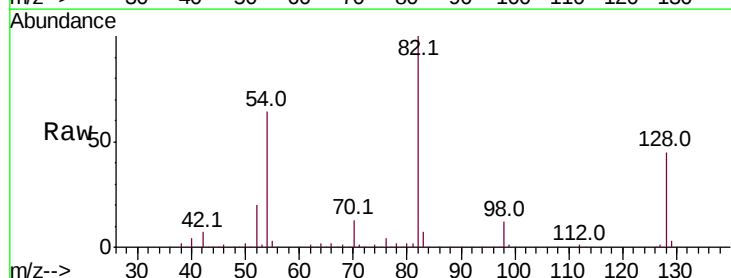
Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

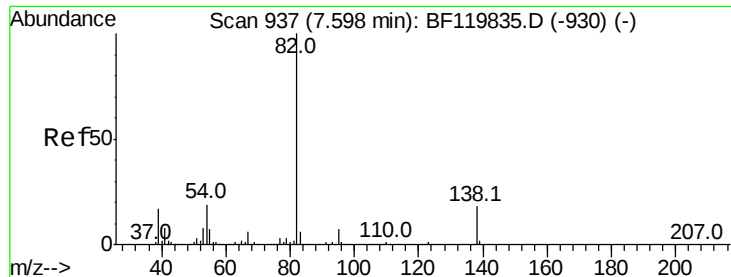
Tot Ion:	136	Resp:	552798
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.0	9.1	13.7
68	5.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 67.804 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Tgt Ion:	82	Resp:	724523
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.3	54.5
54	63.5	50.6	75.8





#25

Isophorone

Concen: 35.034 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

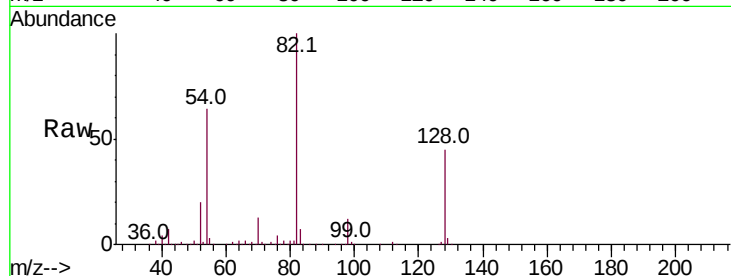
Tot Ion: 82 Resp: 721641

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

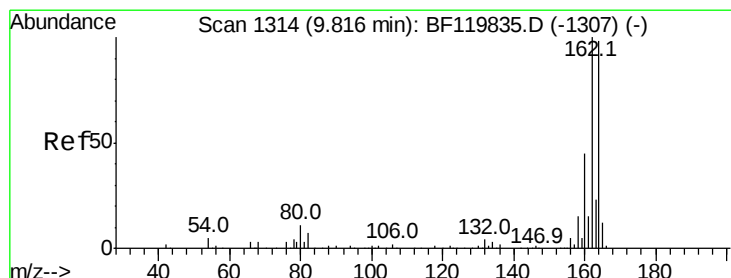
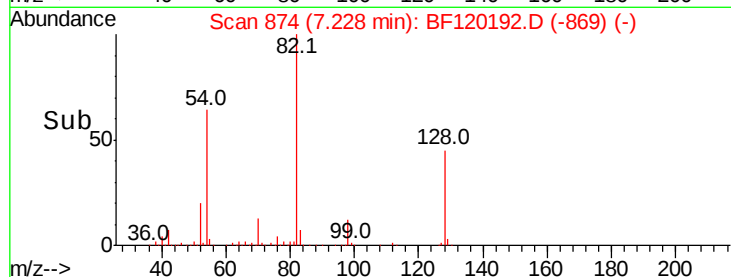
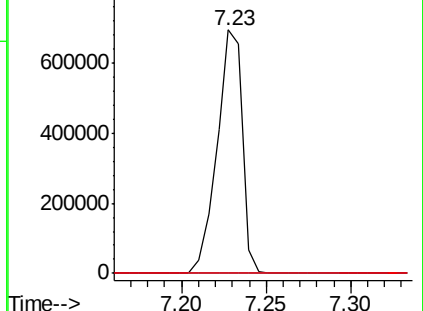
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

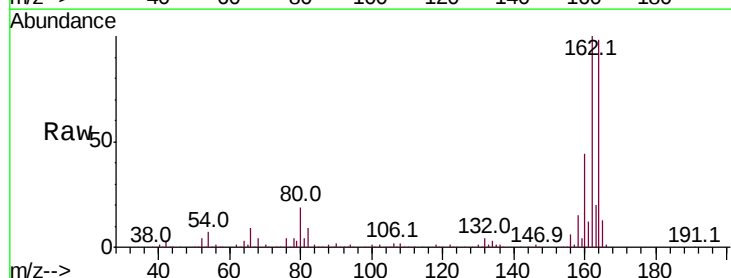
Tgt Ion:164 Resp: 284516

Ion Ratio Lower Upper

164 100

162 102.6 80.6 121.0

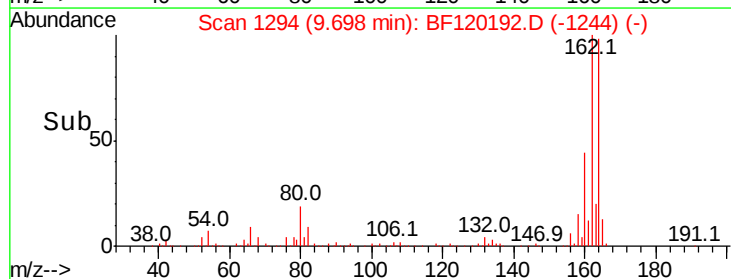
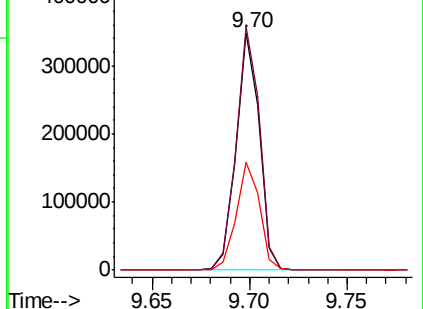
160 45.2 35.7 53.5

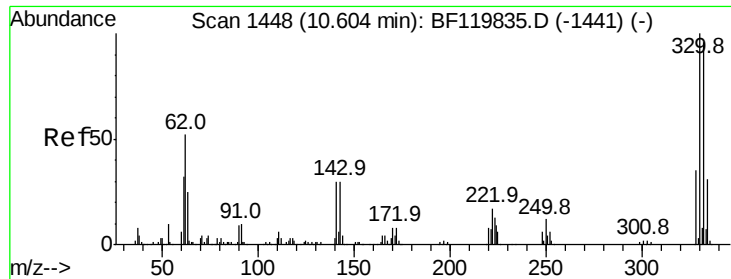


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

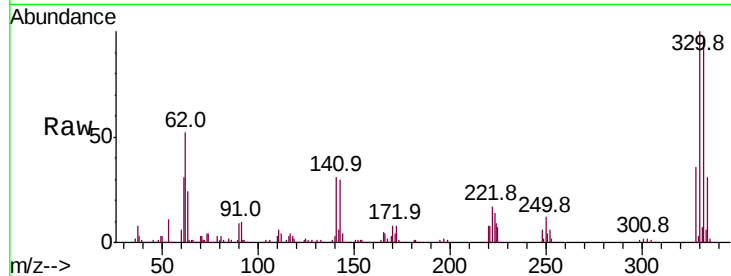




#42
 2,4,6-Tribromophenol
 Concen: 89.421 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120192.D
 Acq: 24 Apr 2020 10:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.7	113.5
141	35.2	25.4	38.0

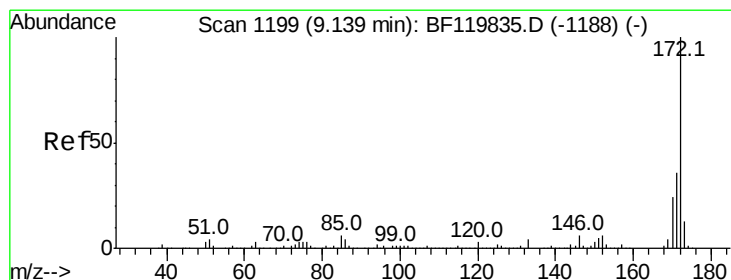
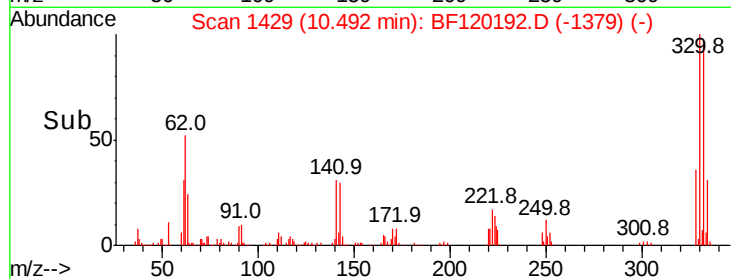
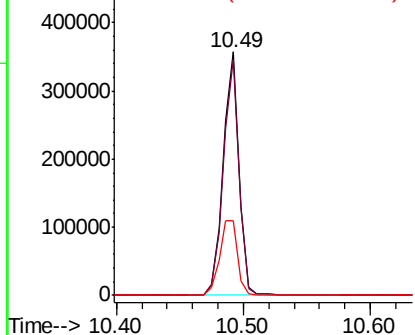


Abundance

Ion 329.80 (329.50 to 330.50): E

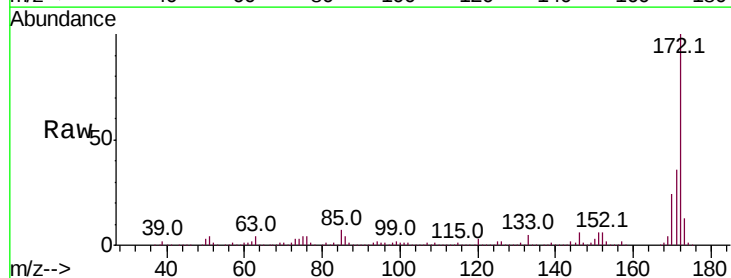
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.388 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120192.D
 Acq: 24 Apr 2020 10:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.0	20.2	30.2

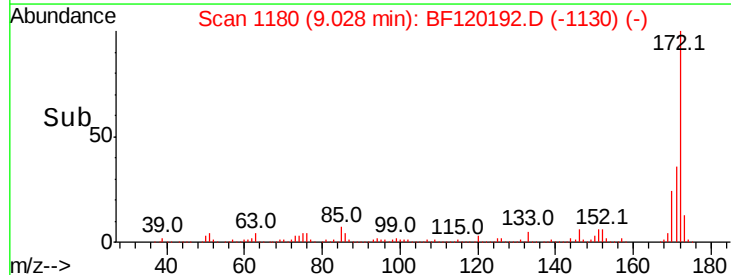
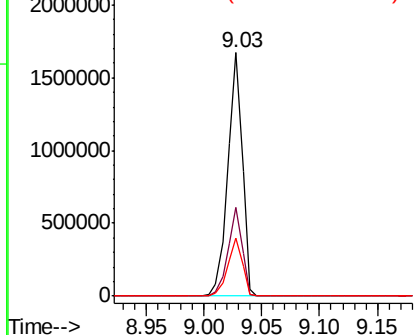


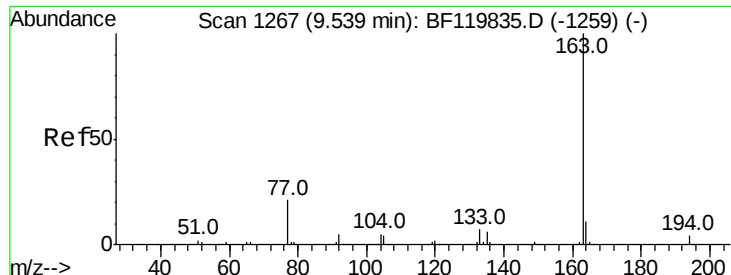
Abundance

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

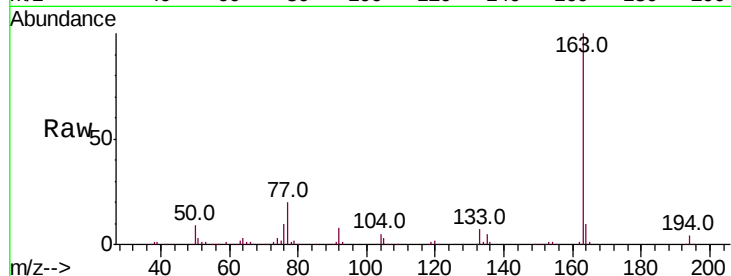




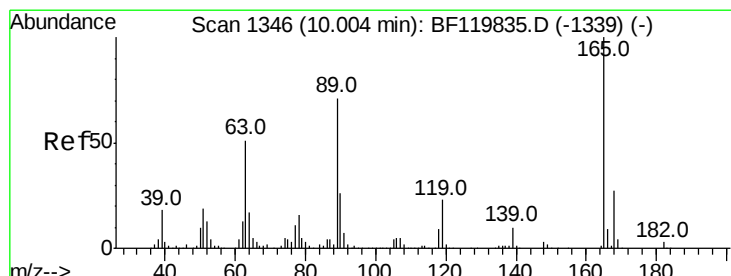
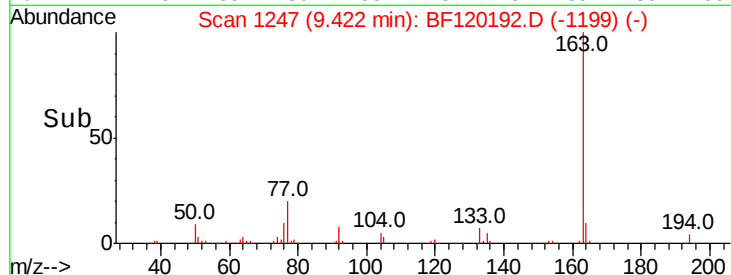
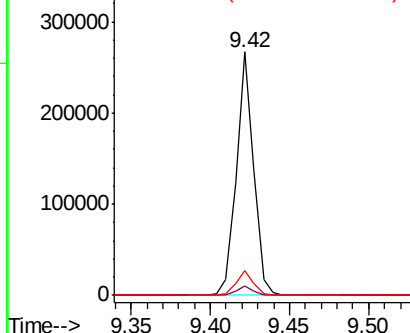
#50
Dimethylphthalate
Concen: 9.170 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion:163 Resp: 201801
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.2 8.2 12.2

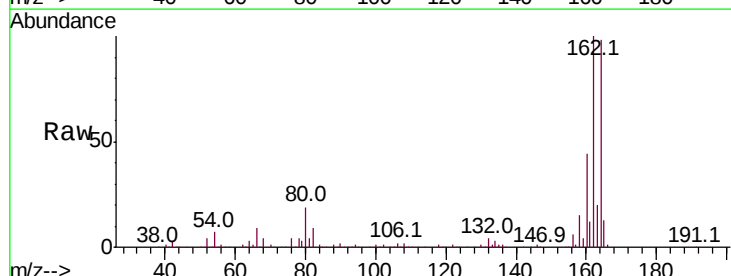


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

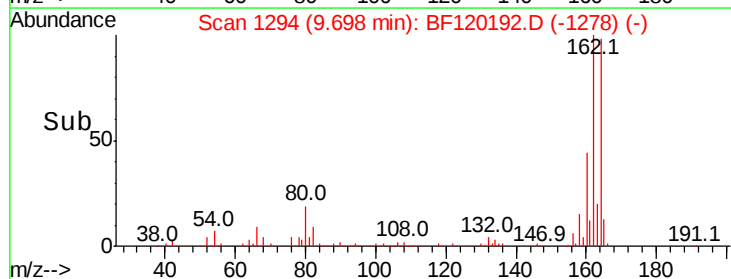
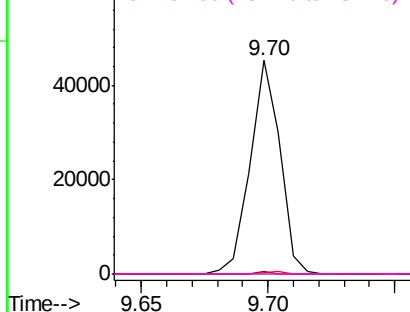


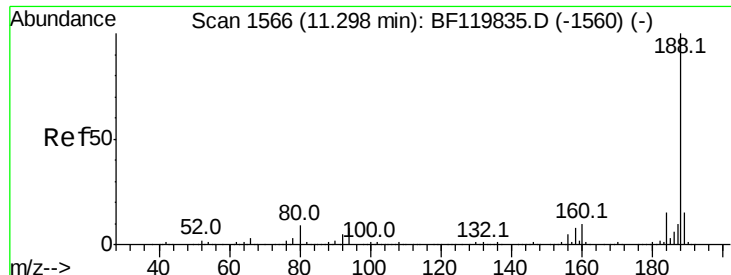
#57
2,4-Dinitrotoluene
Concen: 5.842 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.21 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Tgt Ion:165 Resp: 37091
Ion Ratio Lower Upper
165 100
63 1.5 42.6 64.0#
89 0.8 61.0 91.4#
182 0.0 2.2 3.2#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

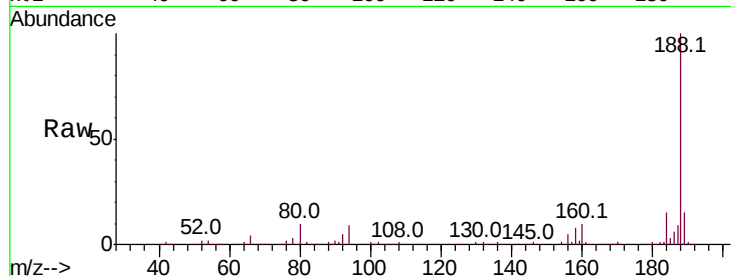
Tot Ion:188 Resp: 533545

Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

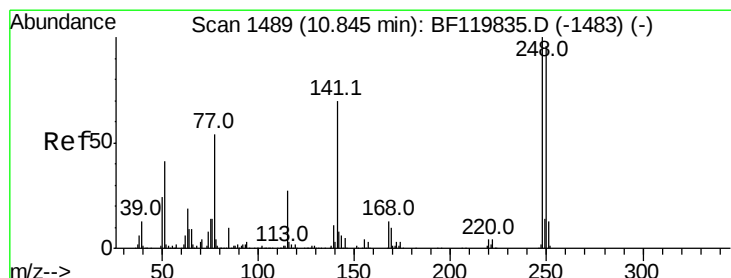
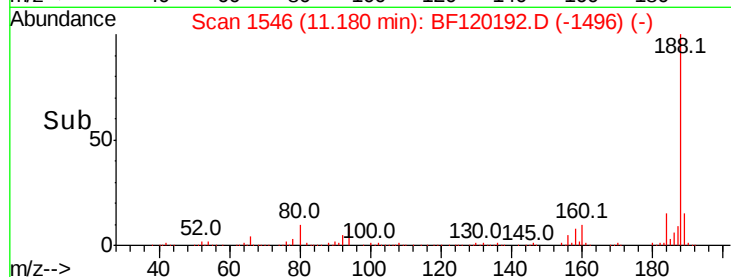
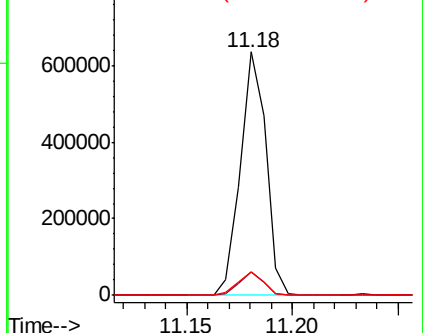
80 9.7 9.0 13.4



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



#67

4-Bromophenyl-phenylether

Concen: 2.933 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.25 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

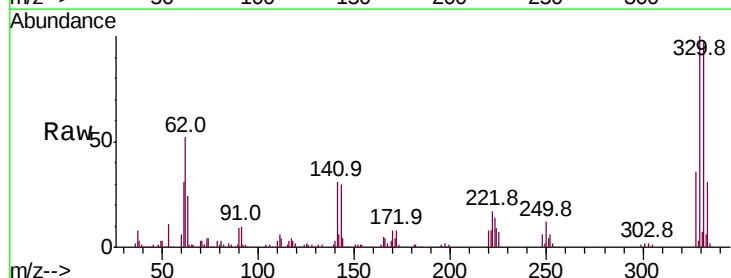
Tgt Ion:248 Resp: 19460

Ion Ratio Lower Upper

248 100

250 199.9 77.3 115.9#

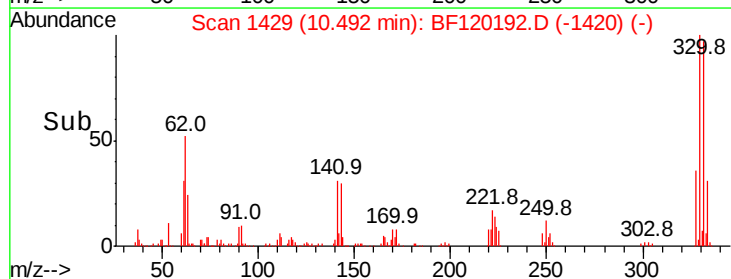
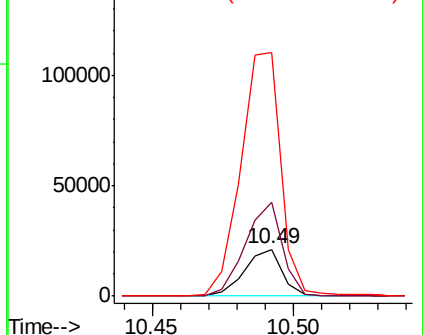
141 517.9 58.6 87.8#

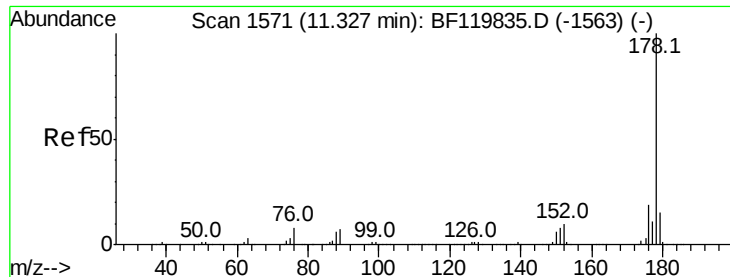


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

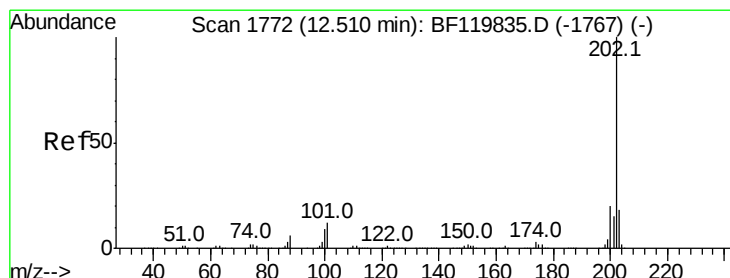
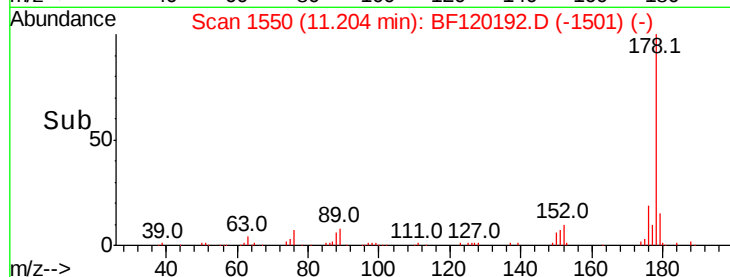
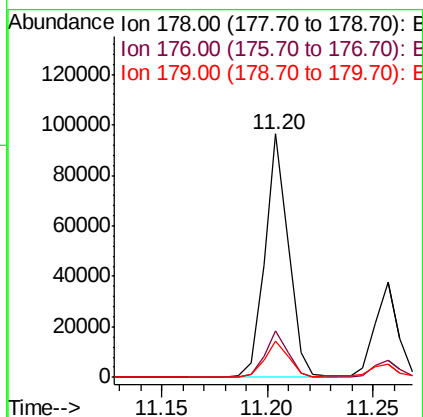
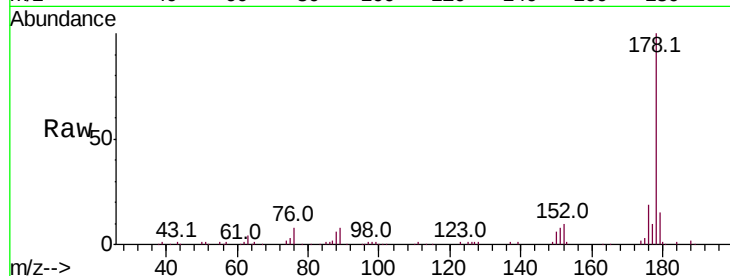




#71
Phenanthrene
Concen: 2.646 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

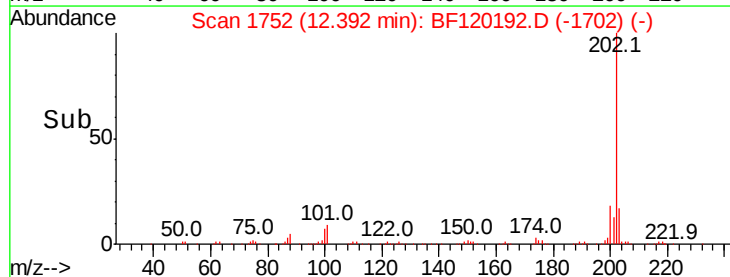
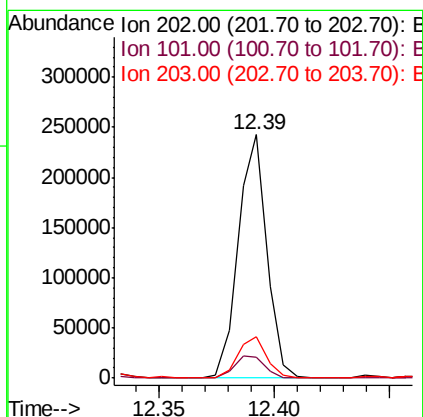
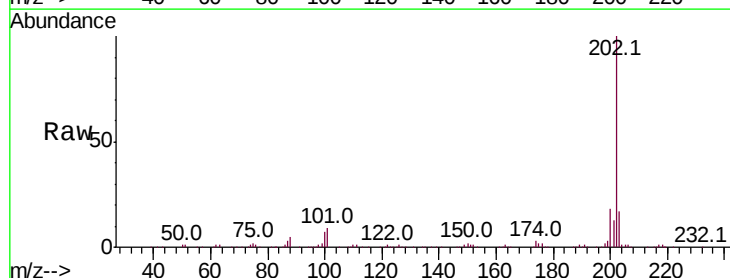
Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

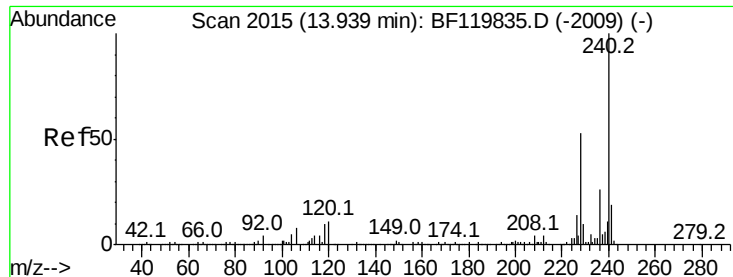
Tot Ion:178 Resp: 75122
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 14.7 13.2 19.8



#75
Fluoranthene
Concen: 6.764 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Tgt Ion:202 Resp: 207233
Ion Ratio Lower Upper
202 100
101 8.7 0.0 32.2
203 16.9 0.0 38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

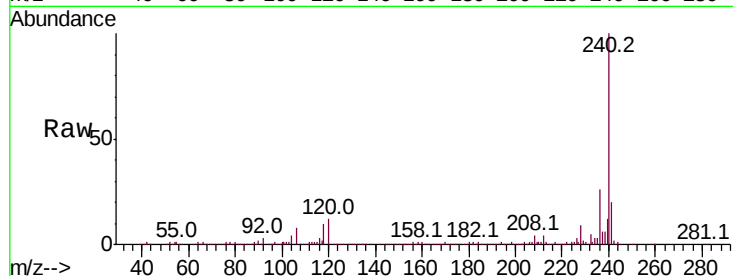
Tot Ion:240 Resp: 336165

Ion Ratio Lower Upper

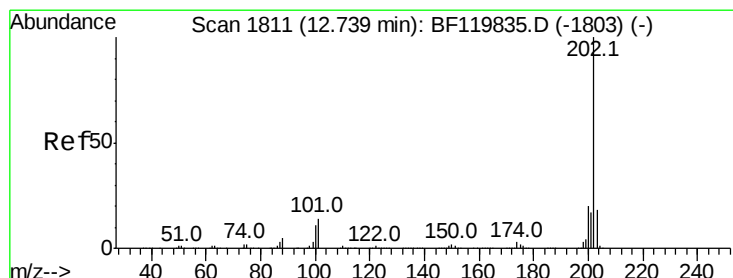
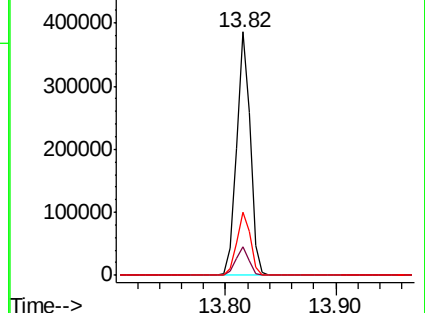
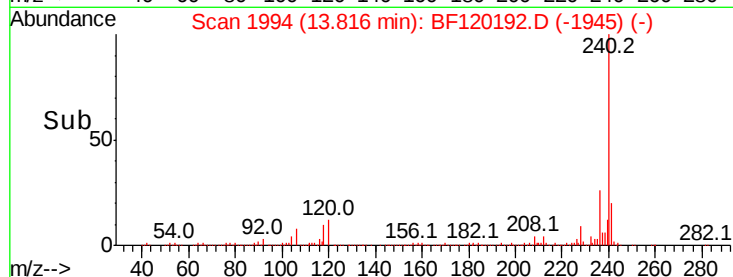
240 100

120 11.6 10.6 15.8

236 26.0 20.2 30.2



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: 8.787 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

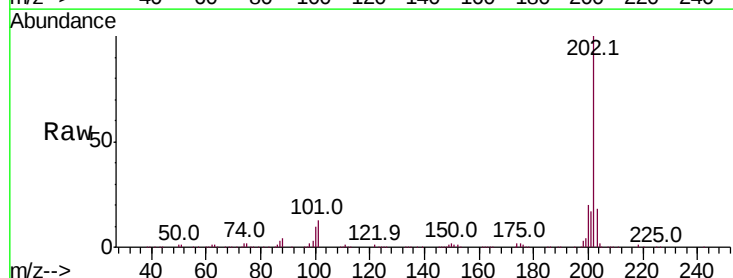
Tgt Ion:202 Resp: 249013

Ion Ratio Lower Upper

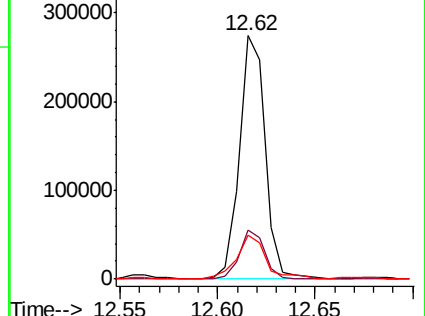
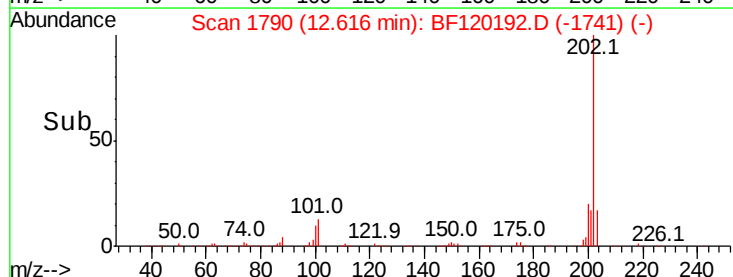
202 100

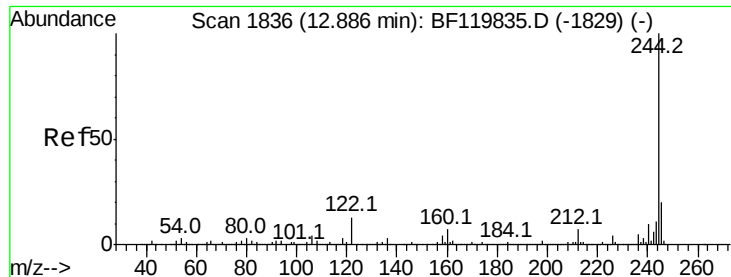
200 20.2 16.8 25.2

203 18.1 15.1 22.7



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: 77.236 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

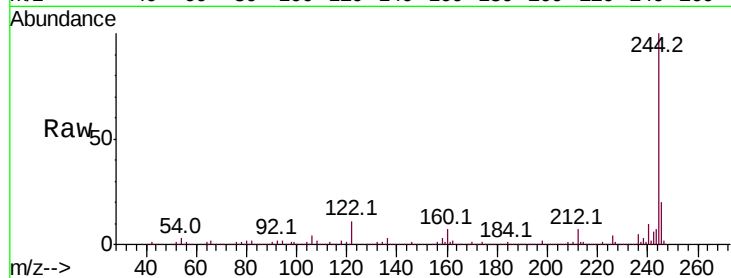
Tot Ion:244 Resp: 1543039

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

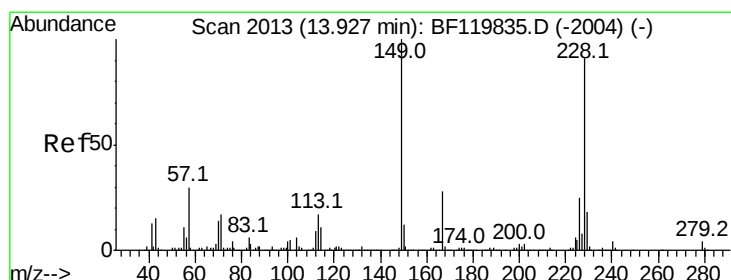
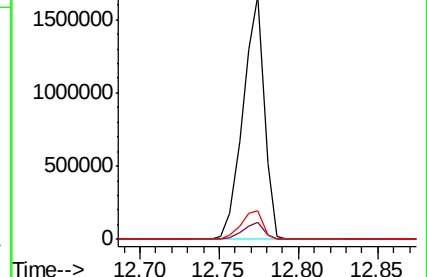
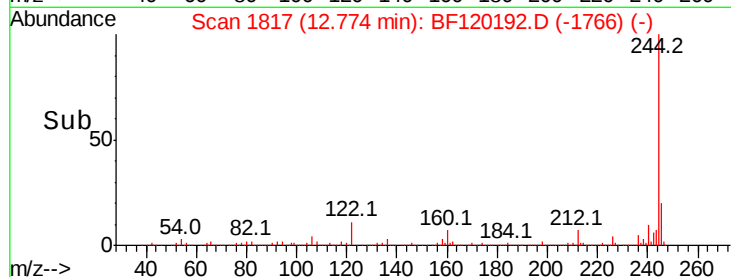
122 11.5 10.3 15.5



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: 5.253 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

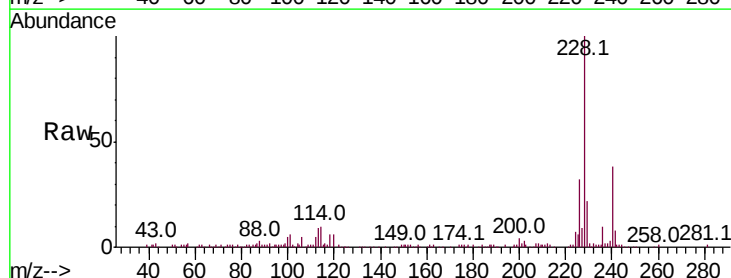
Tgt Ion:228 Resp: 116167

Ion Ratio Lower Upper

228 100

226 31.5 21.8 32.8

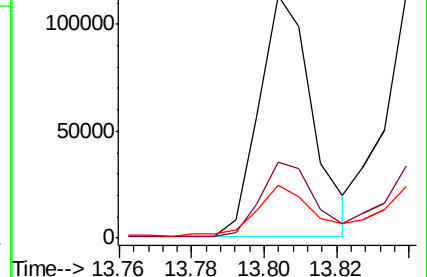
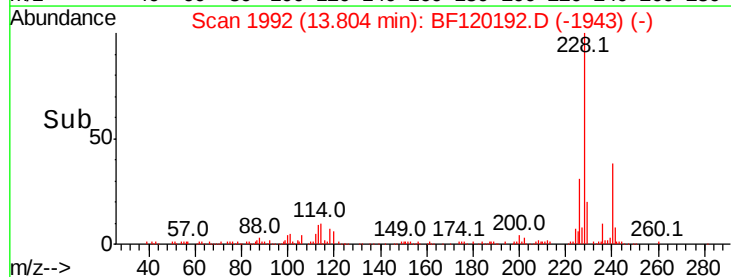
229 21.9 16.2 24.4

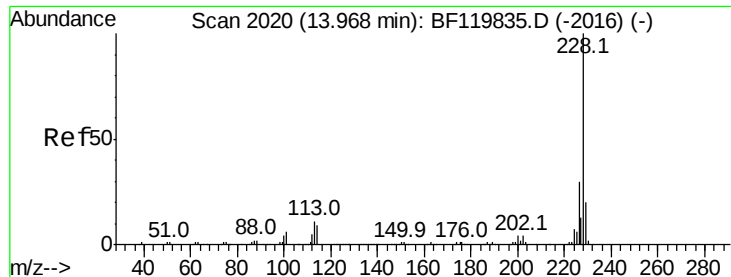


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.728 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

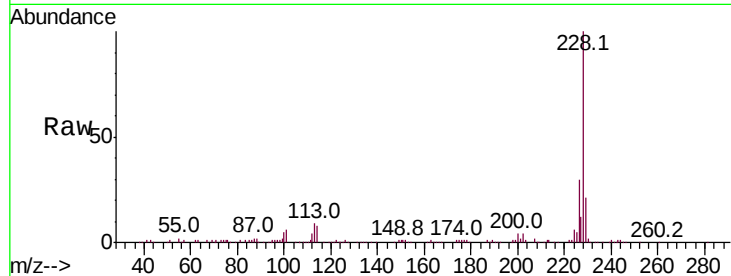
Tot Ion:228 Resp: 106241

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.0

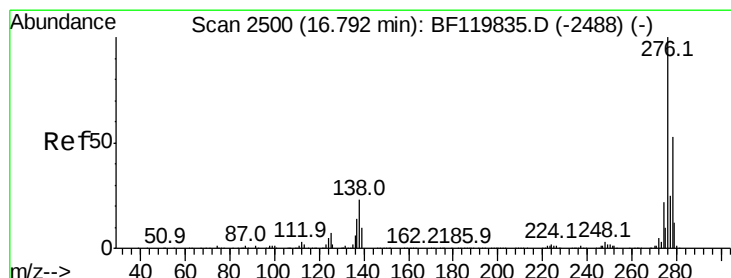
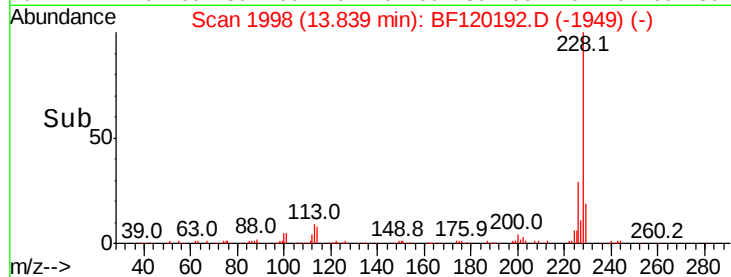
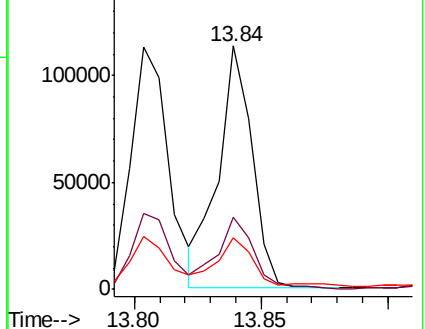
229 21.2 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.692 ng

RT: 16.56 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

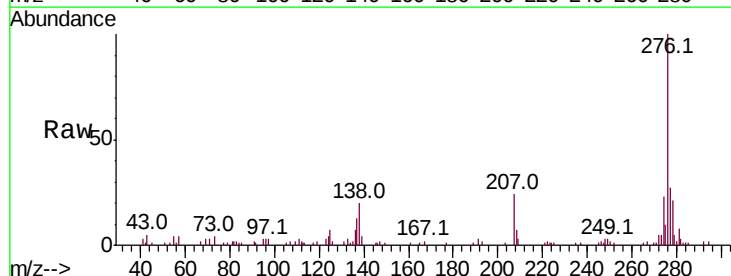
Tgt Ion:276 Resp: 53321

Ion Ratio Lower Upper

276 100

138 23.1 19.6 29.4

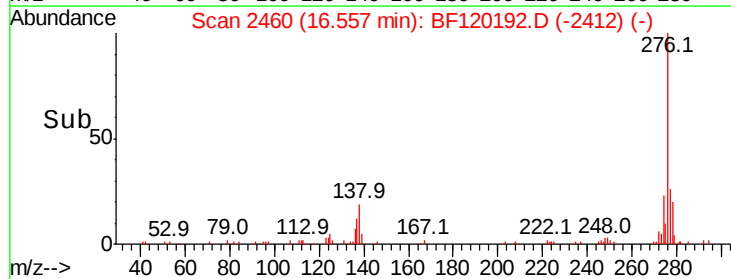
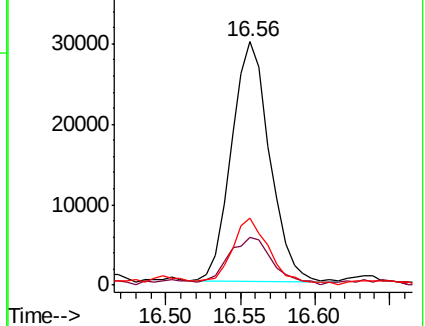
277 27.9 20.0 30.0

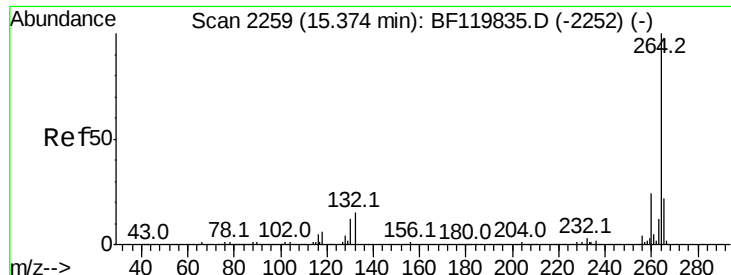


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

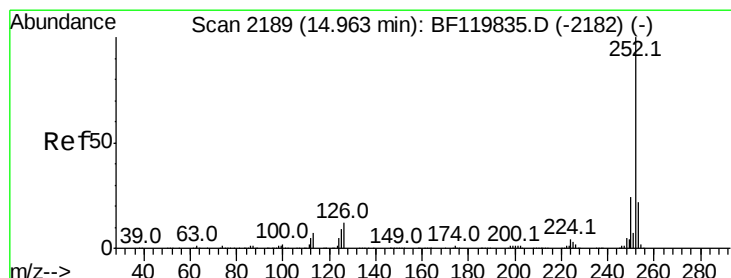
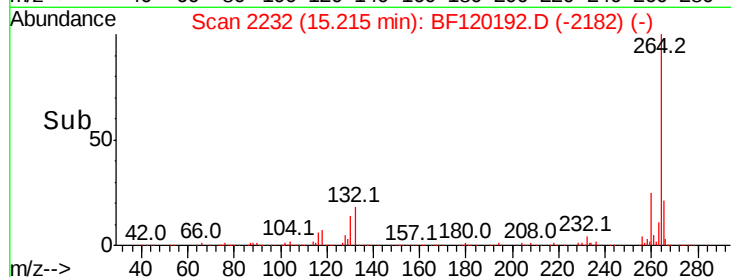
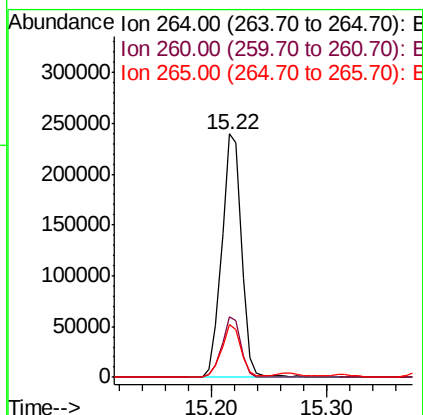
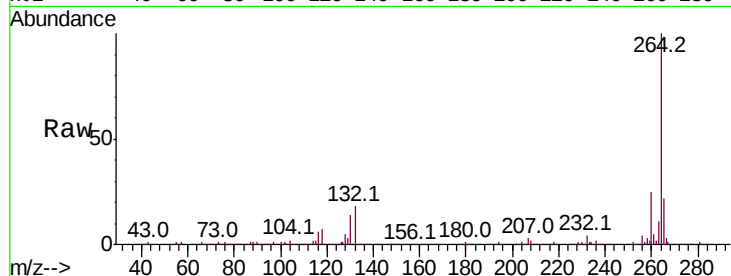




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

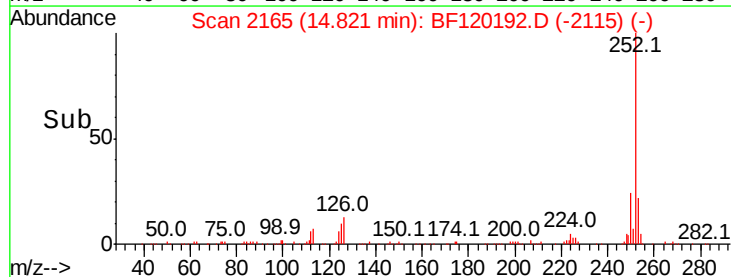
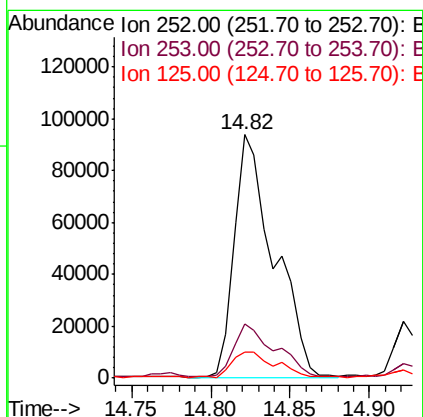
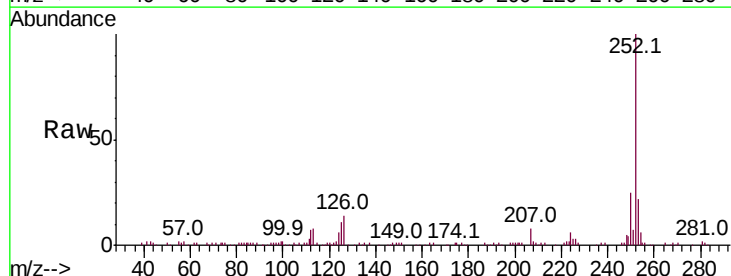
Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

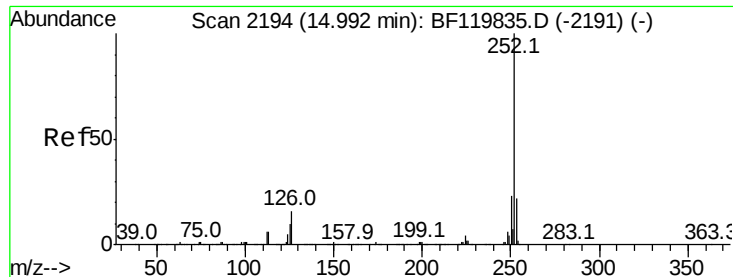
Tot Ion:264 Resp: 283821
Ion Ratio Lower Upper
264 100
260 24.7 18.7 28.1
265 21.6 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 7.953 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Tgt Ion:252 Resp: 162372
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.9 7.9 11.9

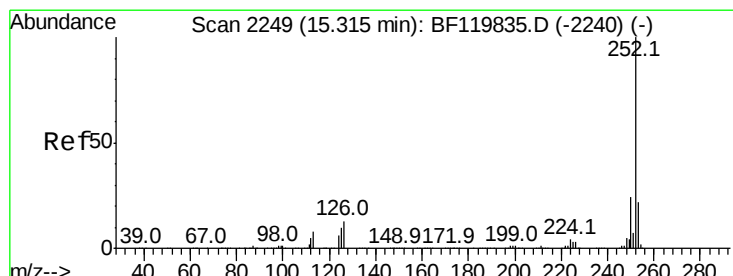
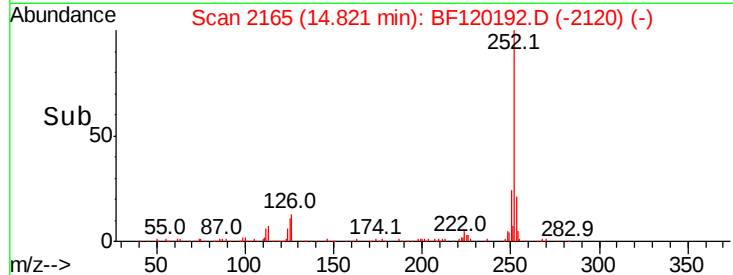
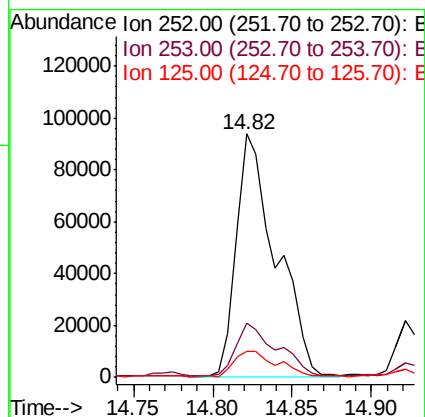
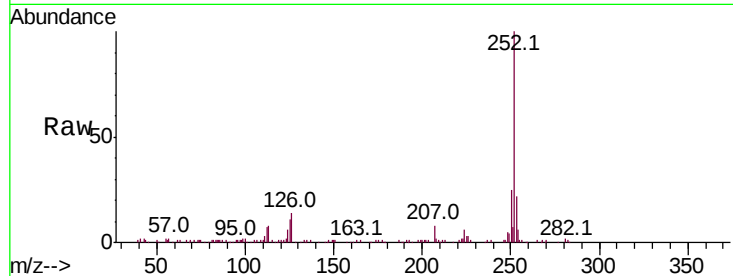




#89
Benzo(k)fluoranthene
Concen: 9.217 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.04 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

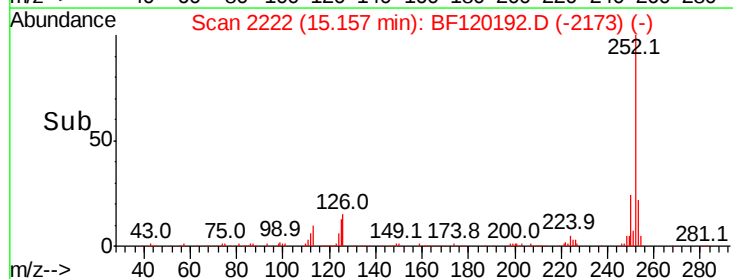
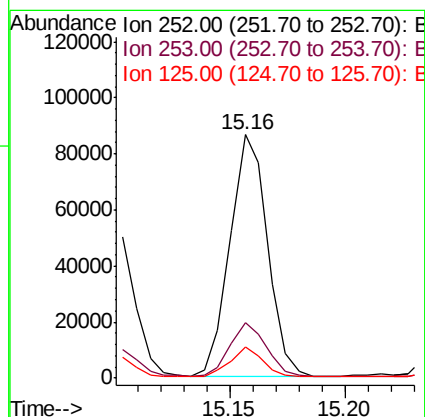
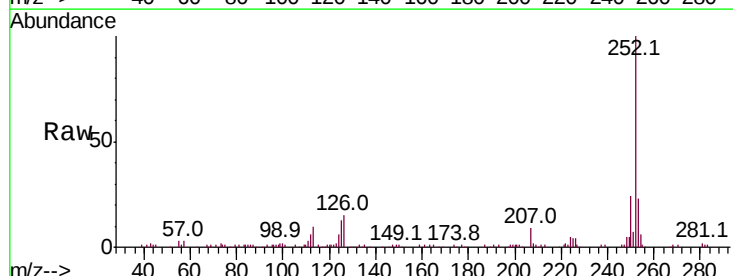
Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

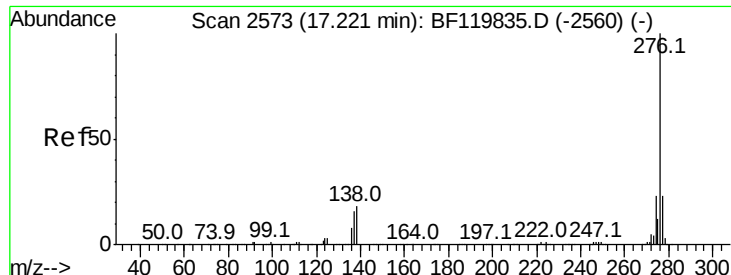
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.9	8.4	12.6



#90
Benzo(a)pyrene
Concen: 5.721 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF120192.D
Acq: 24 Apr 2020 10:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	12.8	9.4	14.2





#92

Benzo(a,h,i)perylene

Concen: 3.208 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BF120192.D

Acq: 24 Apr 2020 10:39

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.4	27.6
138	24.2	15.4	23.0

