

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120202.D
 Acq On : 24 Apr 2020 15:12
 Operator : MA/SJ
 Sample : L2378-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Quant Time: Apr 24 16:10:42 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	166475	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	608044	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	281306	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	428286	20.00	ng	0.00
76) Chrysene-d12	13.82	240	298054	20.00	ng	-0.01
87) Perylene-d12	15.22	264	259329	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	825732	85.72	ng	0.00
7) Phenol-d6	6.32	99	1057989	85.24	ng	0.00
23) Nitrobenzene-d5	7.23	82	657328	55.93	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	207404	60.22	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1229820	62.07	ng	0.00
79) Terphenyl-d14	12.77	244	941971	53.18	ng	0.00

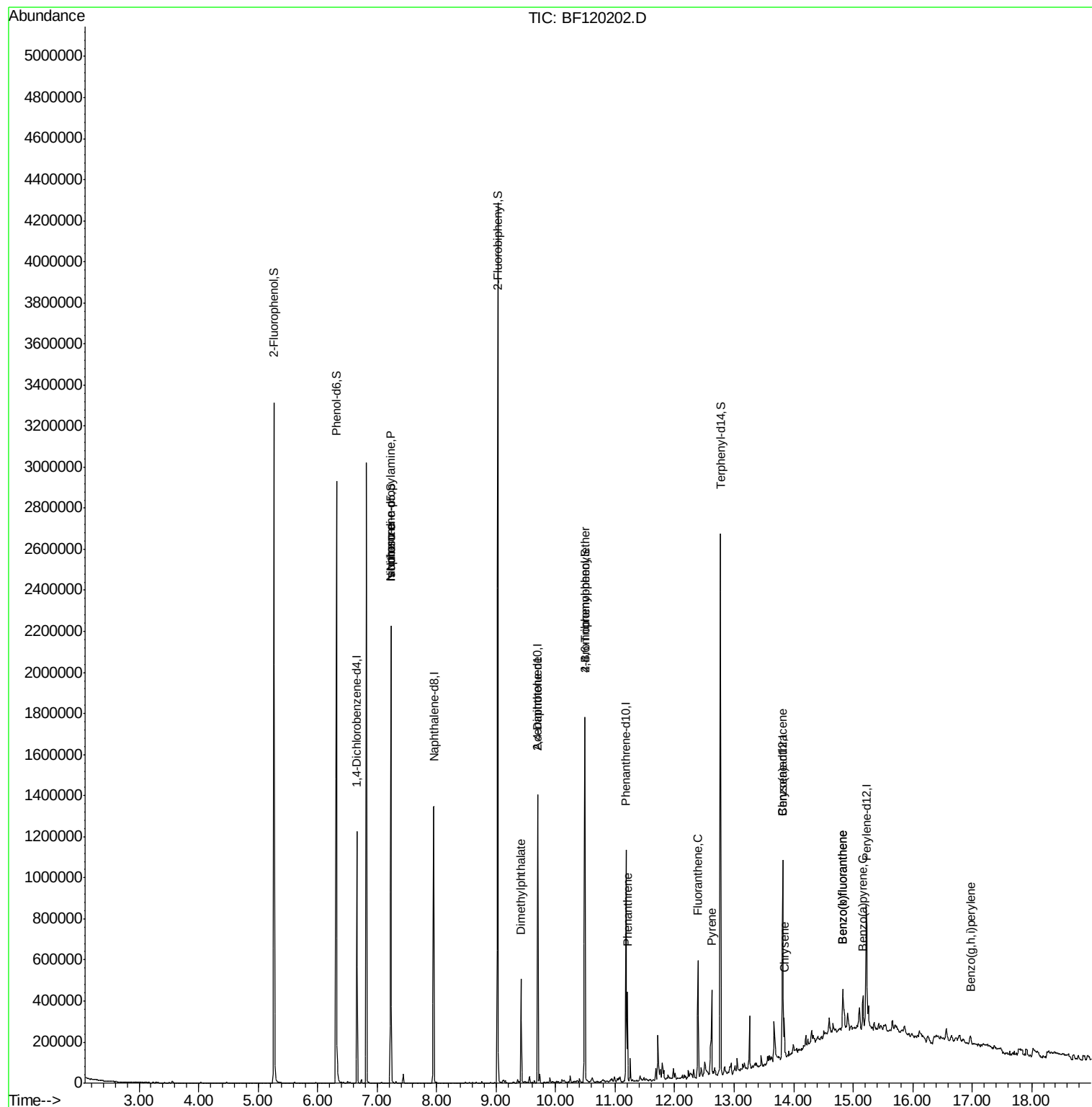
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.32	77	1357	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.23	70	87935	11.017	ng	# 73
25) Isophorone	7.23	82	650929	28.730	ng	# 65
50) Dimethylphthalate	9.42	163	176328	8.104	ng	100
57) 2,4-Dinitrotoluene	9.70	165	36270	5.778	ng	# 20
67) 4-Bromophenyl-phenylether	10.49	248	13170	2.473	ng	# 1
71) Phenanthrene	11.20	178	154644	6.784	ng	96
75) Fluoranthene	12.39	202	204861	8.330	ng	95
78) Pyrene	12.62	202	179591	7.147	ng	95
81) Benzo(a)anthracene	13.81	228	97920	4.994	ng	94
83) Chrysene	13.84	228	84400	4.236	ng	95
88) Benzo(b)fluoranthene	14.83	252	128166	6.870	ng	# 96
89) Benzo(k)fluoranthene	14.83	252	128166	7.962	ng	# 98
90) Benzo(a)pyrene	15.16	252	67918	4.330	ng	100
92) Benzo(a,h,i)perylene	16.97	276	34240	2.497	ng	# 89

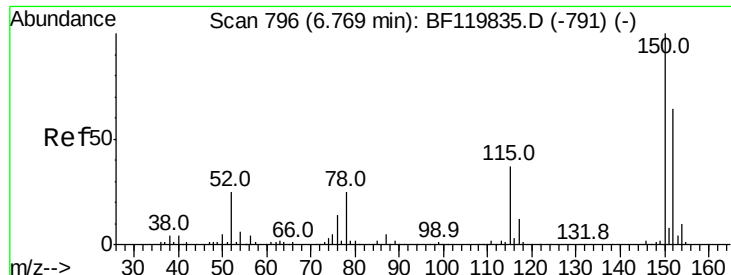
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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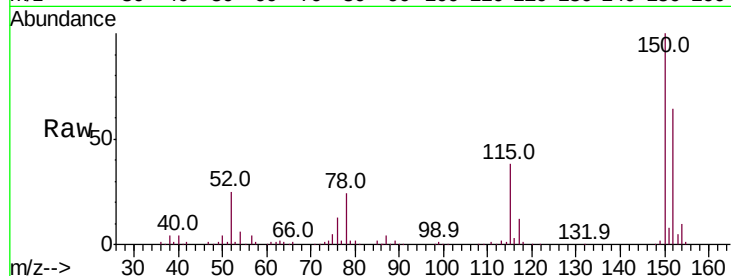


#1

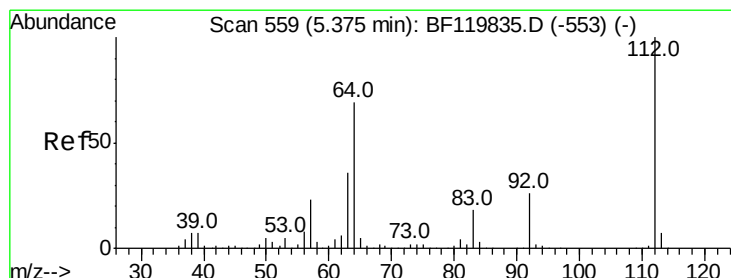
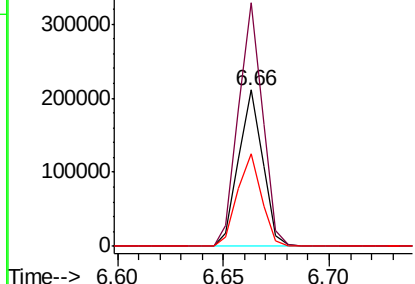
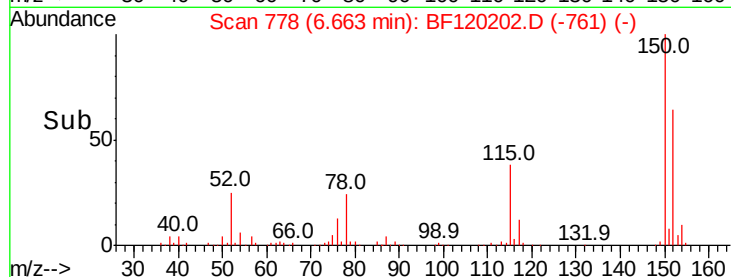
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tot Ion:152 Resp: 166475
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 59.7 49.6 74.4



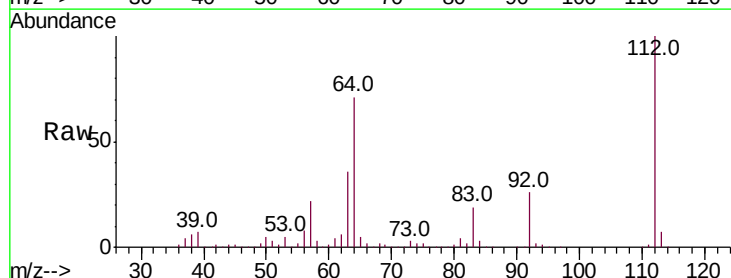
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



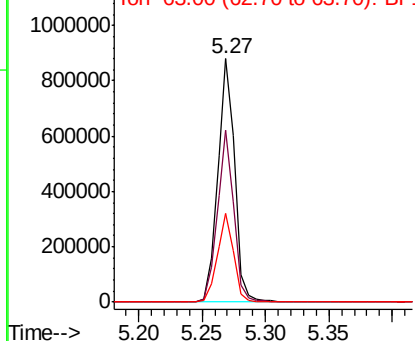
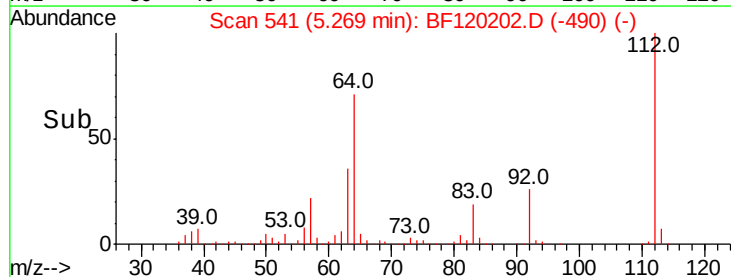
#5

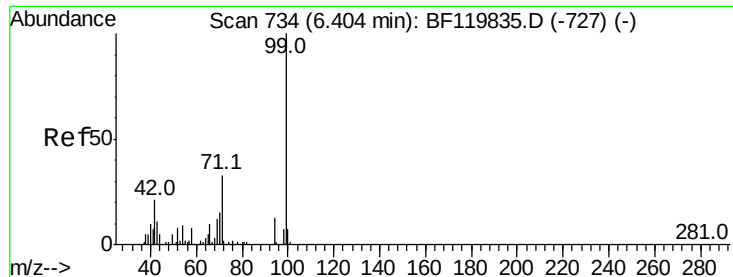
2-Fluorophenol
Concen: 85.720 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

Tgt Ion:112 Resp: 825732
Ion Ratio Lower Upper
112 100
64 70.5 56.7 85.1
63 36.2 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: 85.236 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Instrument :

BNA_F

ClientSampled :

TP-3-S

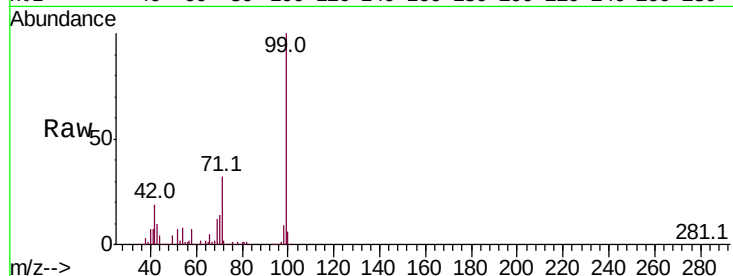
Tot Ion: 99 Resp: 1057989

Ion Ratio Lower Upper

99 100

42 18.9 16.6 24.8

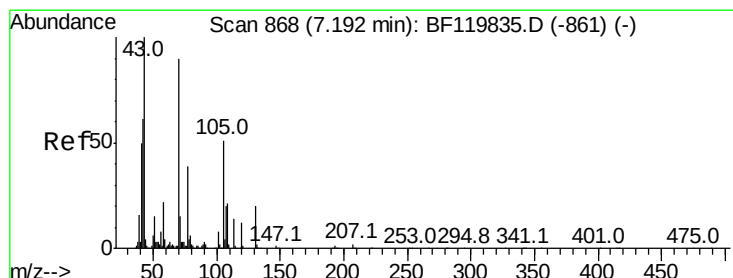
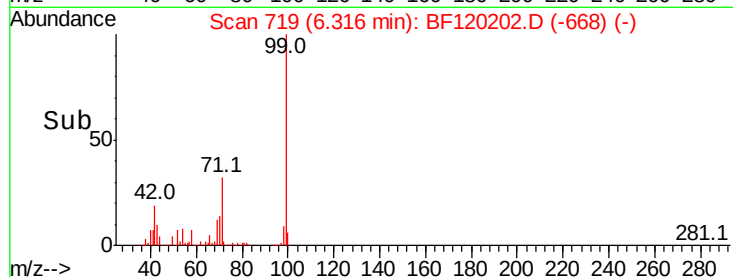
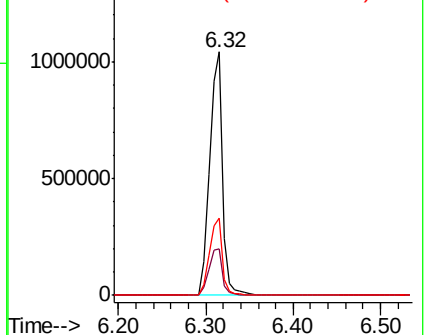
71 31.8 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.017 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Tgt Ion: 70 Resp: 87935

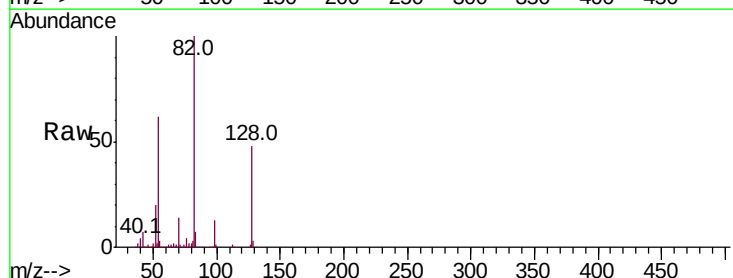
Ion Ratio Lower Upper

70 100

42 50.1 54.5 81.7#

101 0.0 7.6 11.4#

130 2.0 17.6 26.4#

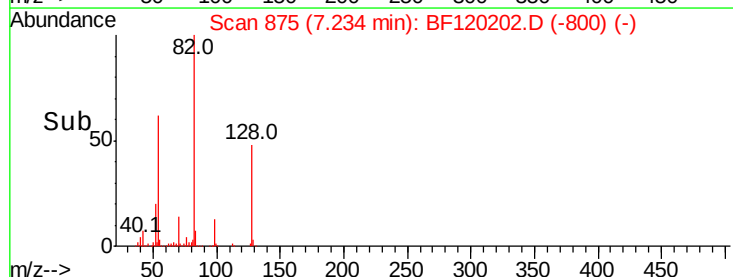
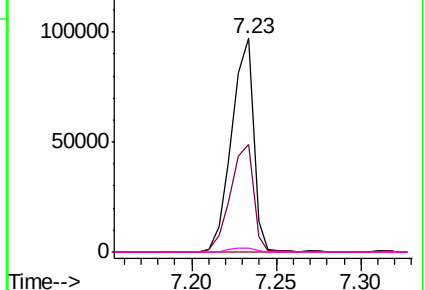


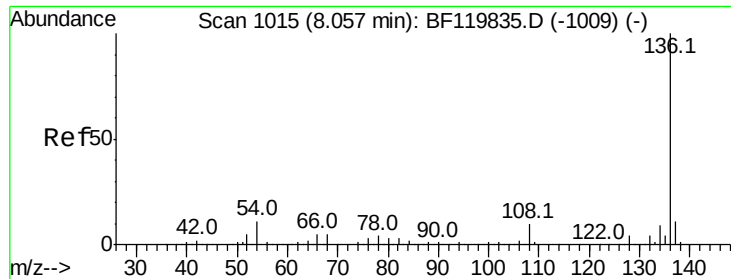
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

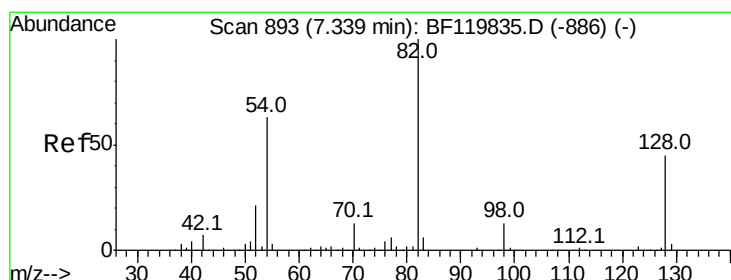
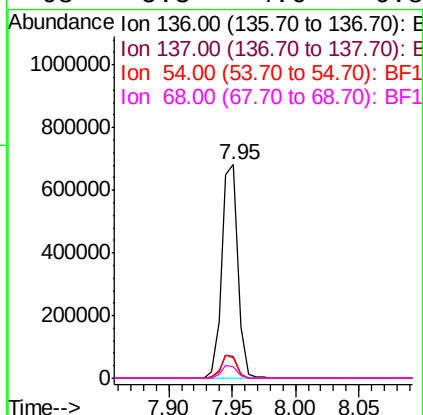
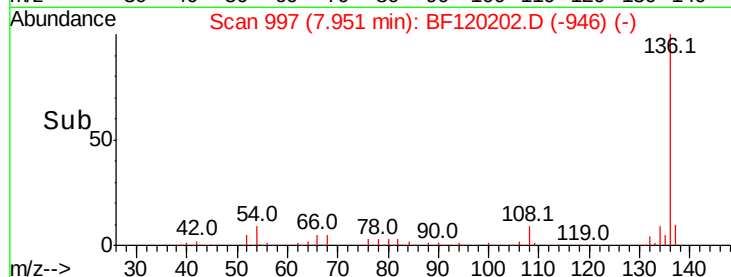
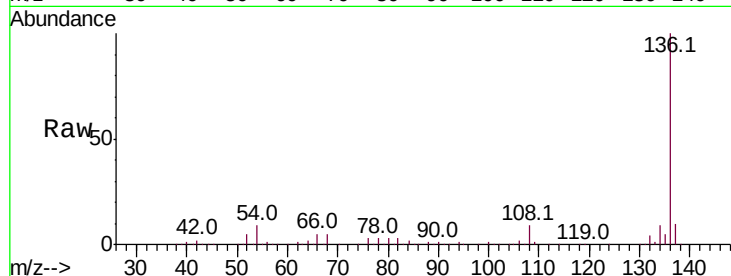




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

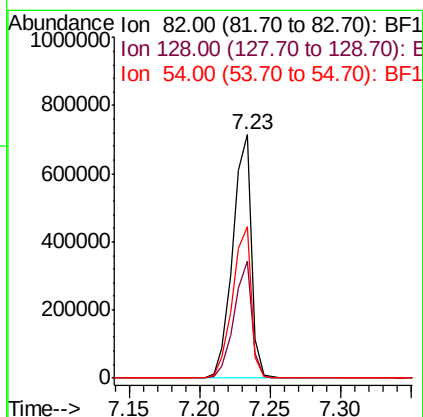
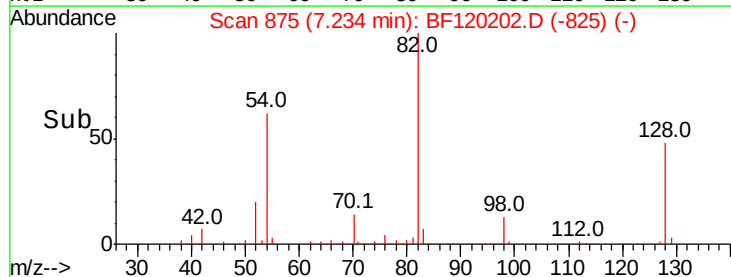
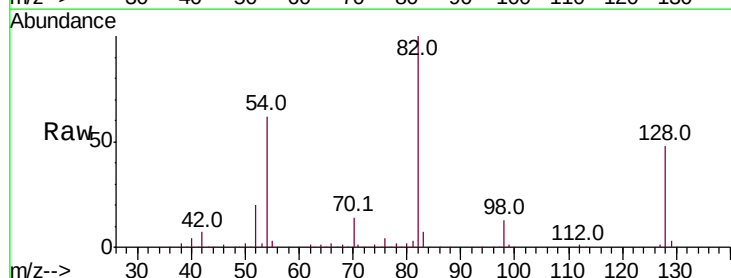
Instrument :
BNA_F
ClientSampleId :
TP-3-S

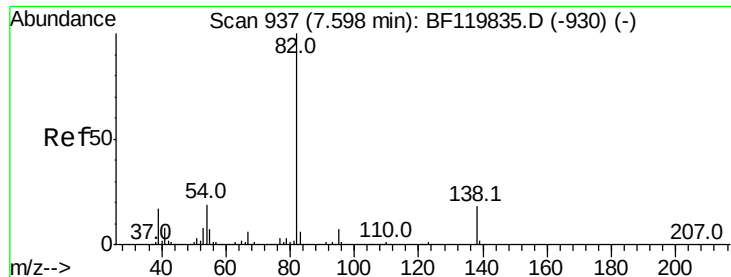
Tot Ion:	136	Resp:	608044
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	9.4	9.1	13.7
68	5.3	4.6	6.8



#23
Nitrobenzene-d5
Concen: 55.927 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

Tgt Ion:	82	Resp:	657328
Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.3	54.5
54	62.4	50.6	75.8





#25

Isophorone

Concen: 28.730 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Instrument :

BNA_F

ClientSampled :

TP-3-S

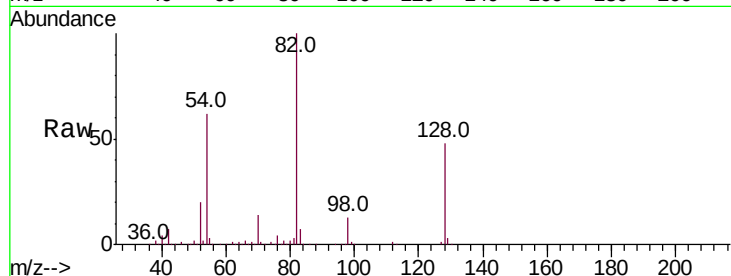
Tot Ion: 82 Resp: 650929

Ion Ratio Lower Upper

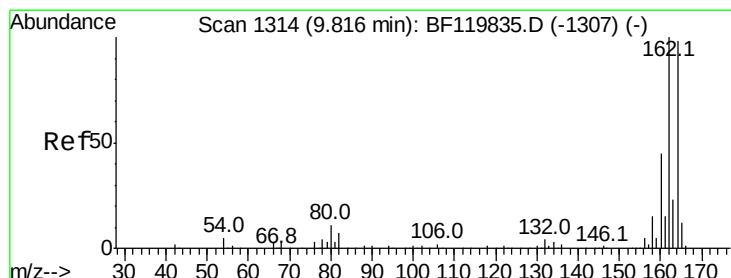
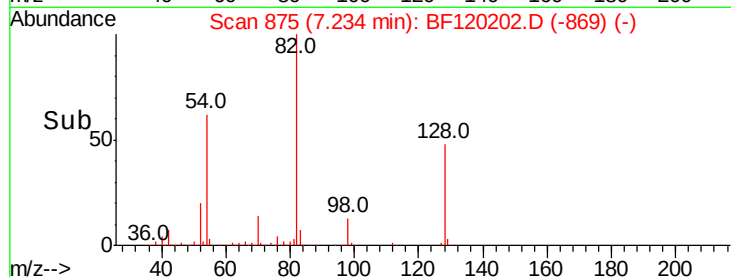
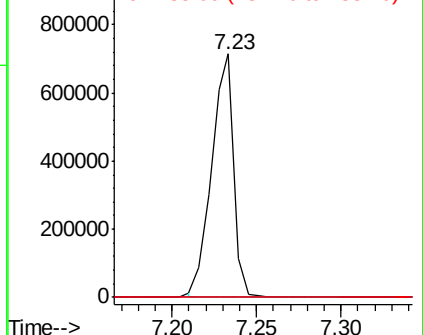
82 100

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: BF120202.D

Acq: 24 Apr 2020 15:12

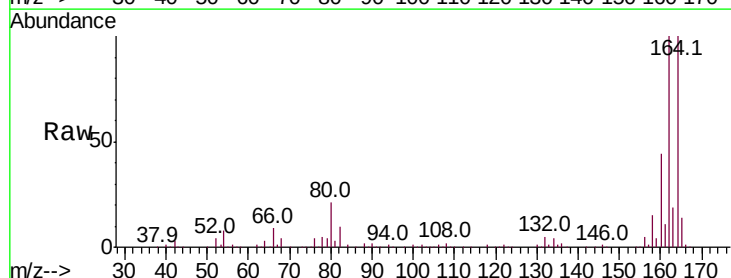
Tgt Ion:164 Resp: 281306

Ion Ratio Lower Upper

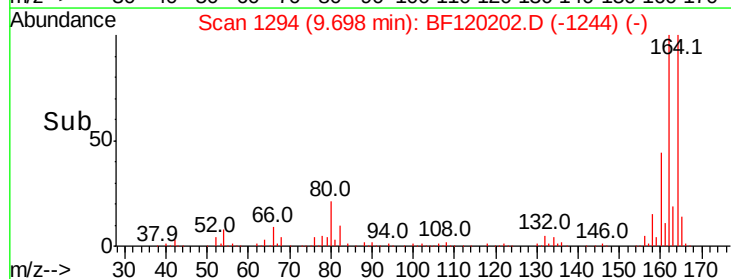
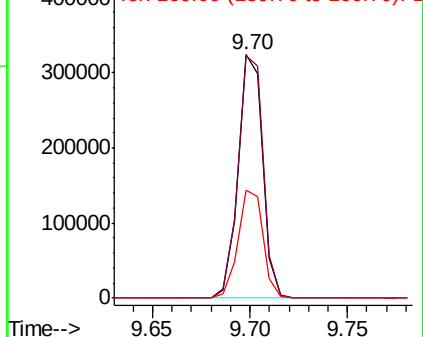
164 100

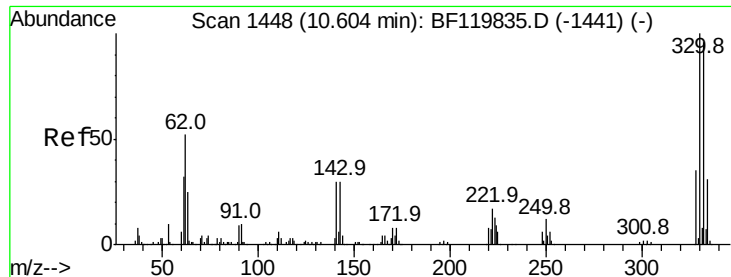
162 99.7 80.6 121.0

160 44.1 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

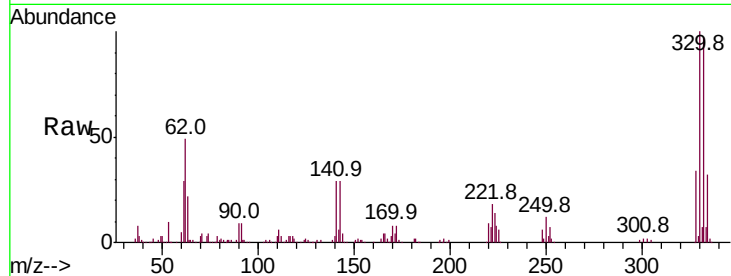




#42
 2,4,6-Tribromophenol
 Concen: 60.219 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120202.D
 Acq: 24 Apr 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.7	113.5
141	34.7	25.4	38.0

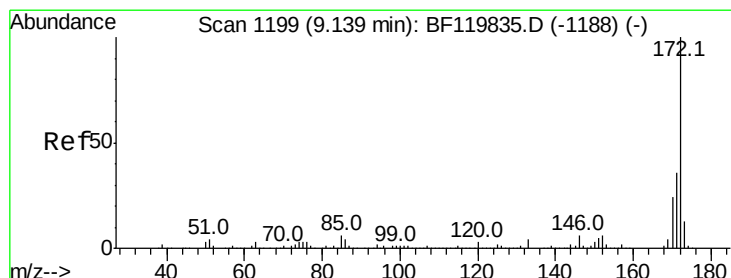
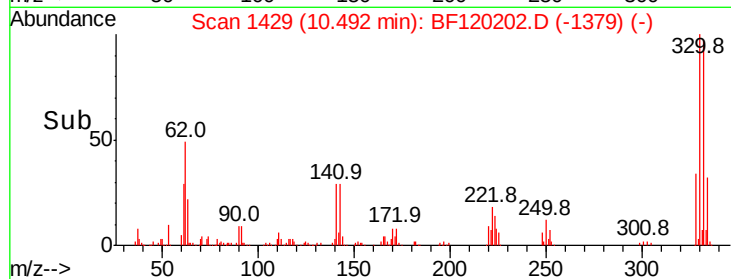
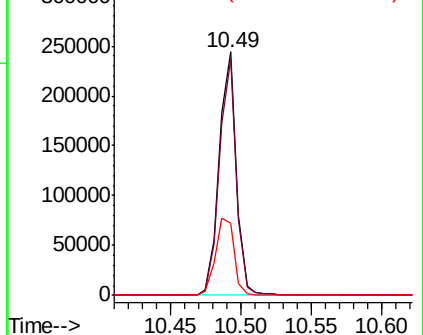


Abundance

Ion 329.80 (329.50 to 330.50): E

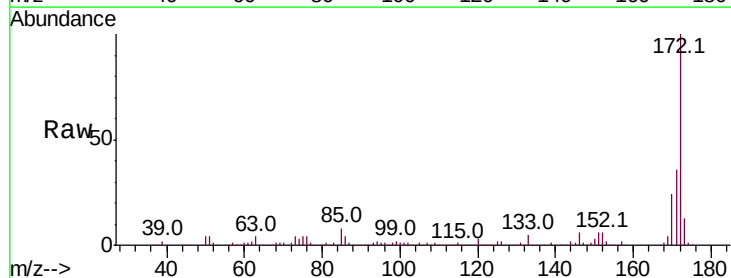
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.070 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120202.D
 Acq: 24 Apr 2020 15:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.0	20.2	30.2

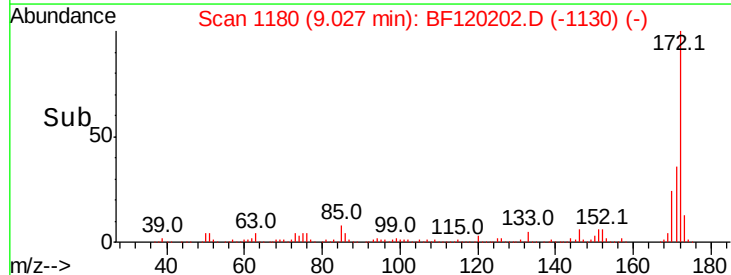
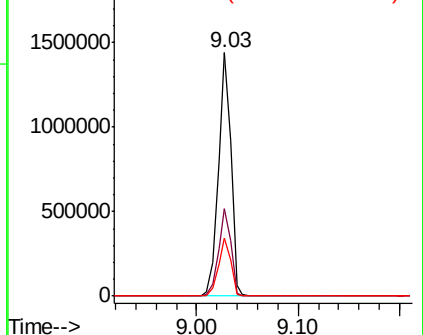


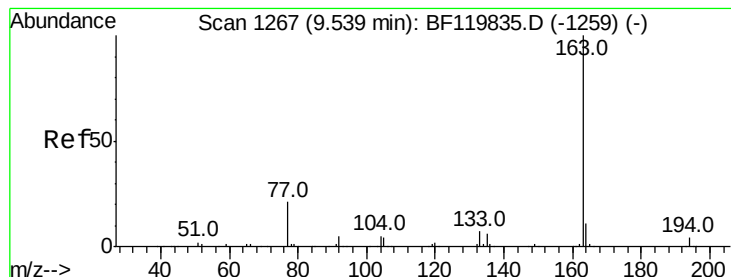
Abundance

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: 8.104 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Instrument :

BNA_F

ClientSampleId :

TP-3-S

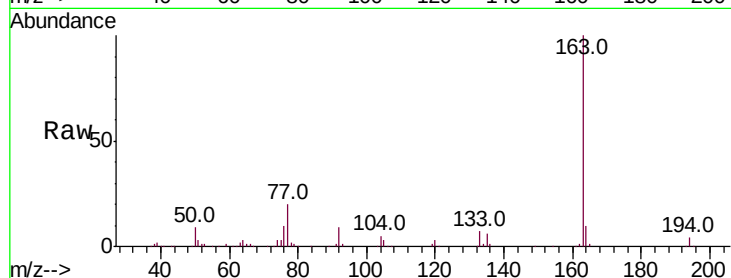
Tot Ion:163 Resp: 176328

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

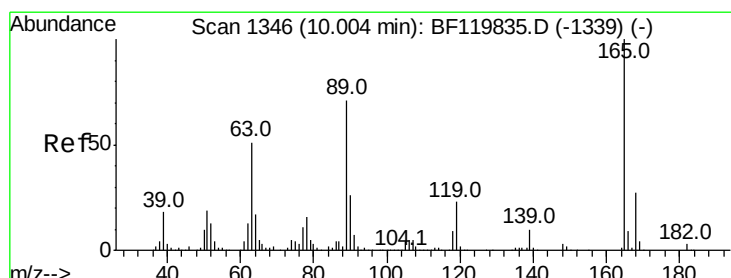
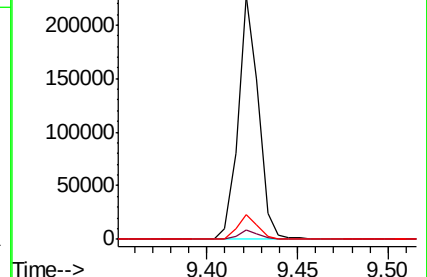
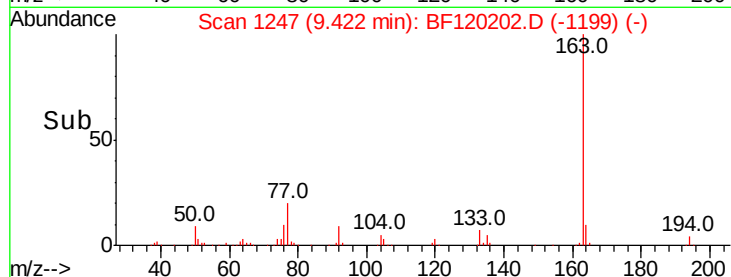
164 10.2 8.2 12.2



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: 5.778 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.21 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Tgt Ion:165 Resp: 36270

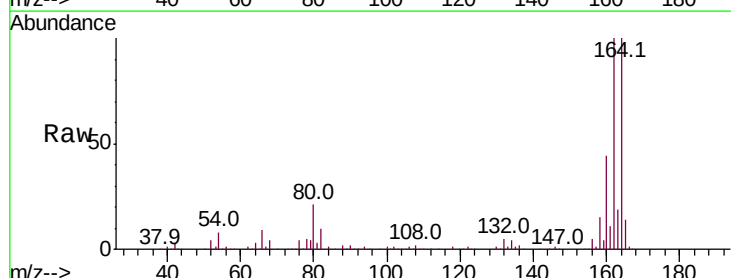
Ion Ratio Lower Upper

165 100

63 1.6 42.6 64.0#

89 0.9 61.0 91.4#

182 0.0 2.2 3.2#

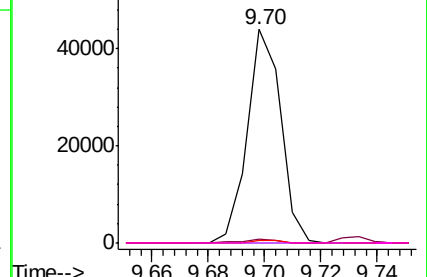
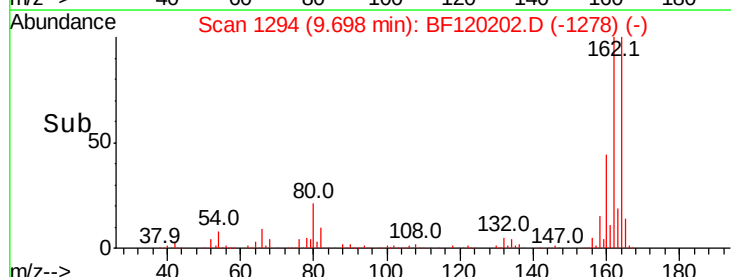


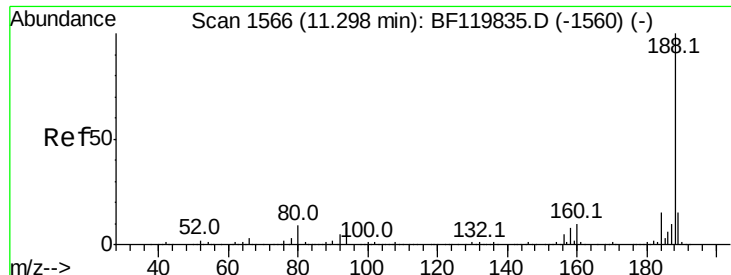
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.19 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Instrument :

BNA_F

ClientSampleId :

TP-3-S

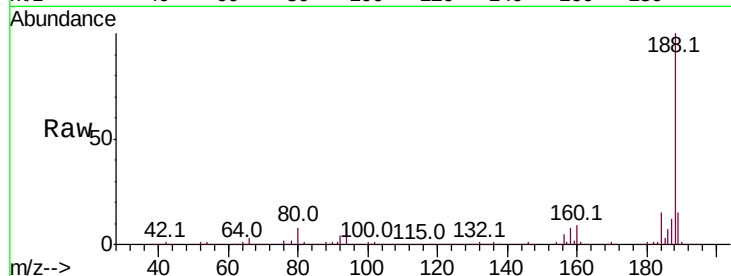
Tot Ion:188 Resp: 428286

Ion Ratio Lower Upper

188 100

94 8.1 7.5 11.3

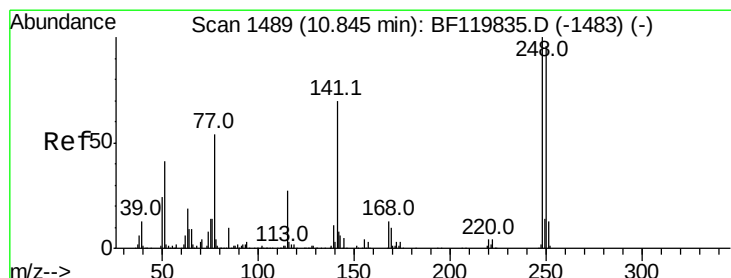
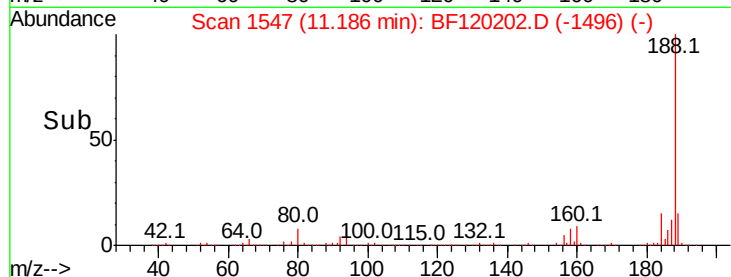
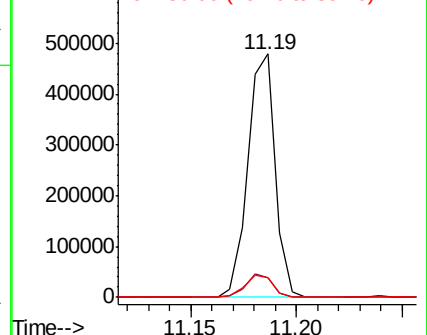
80 8.2 9.0 13.4#



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: 2.473 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.25 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

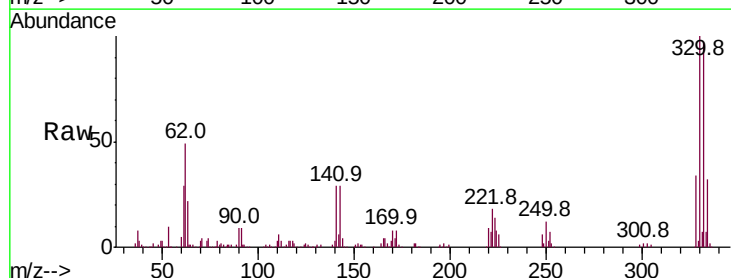
Tgt Ion:248 Resp: 13170

Ion Ratio Lower Upper

248 100

250 193.5 77.3 115.9#

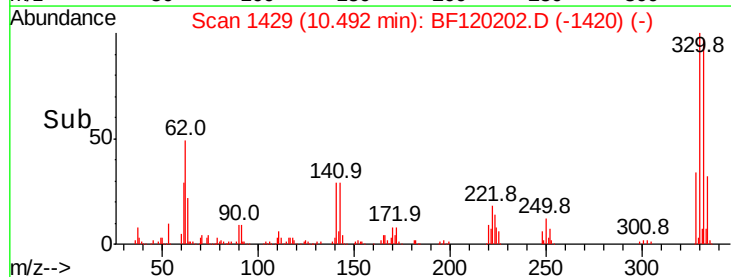
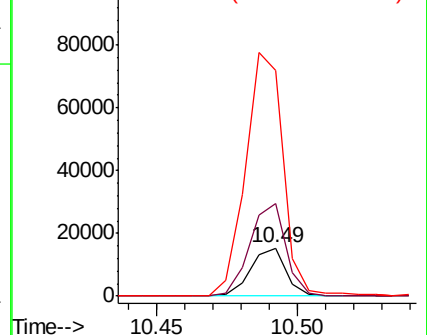
141 471.3 58.6 87.8#

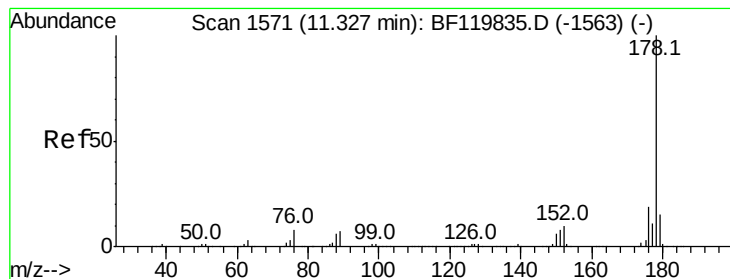


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.784 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Instrument :

BNA_F

ClientSampleId :

TP-3-S

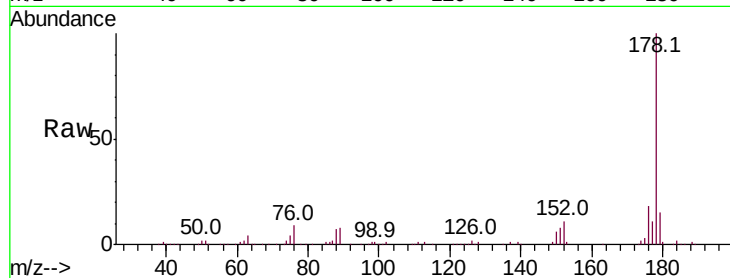
Tot Ion:178 Resp: 154644

Ion Ratio Lower Upper

178 100

176 18.0 16.2 24.4

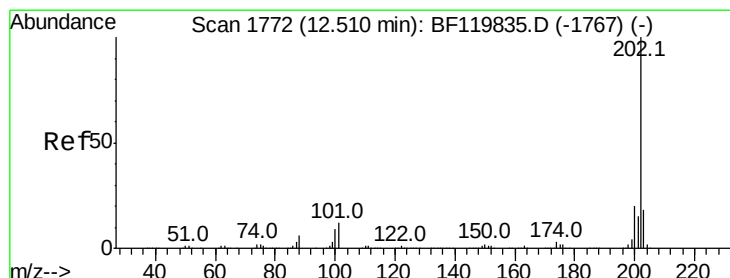
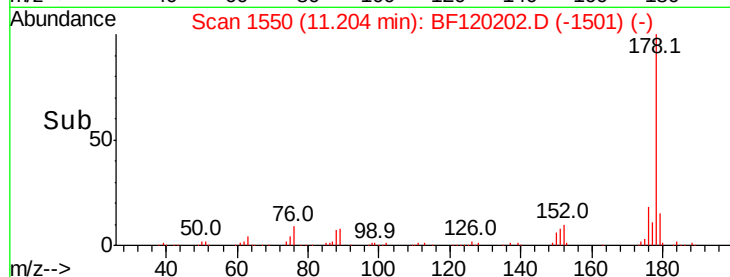
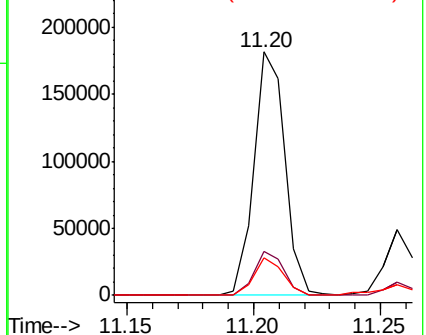
179 15.5 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 8.330 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

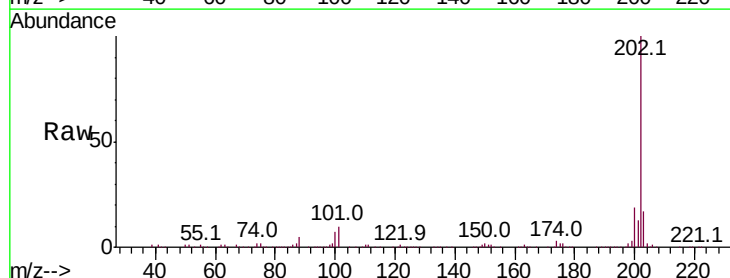
Tgt Ion:202 Resp: 204861

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.2

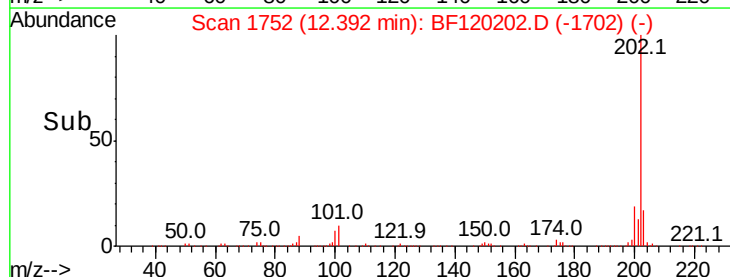
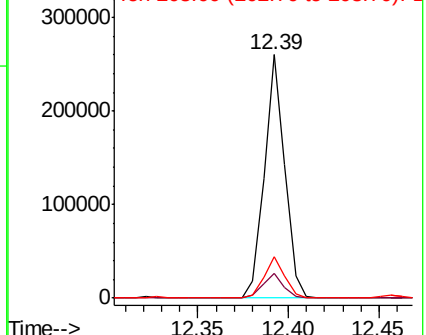
203 17.1 0.0 38.8

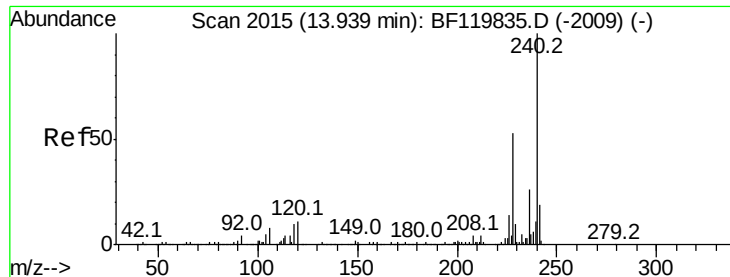


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

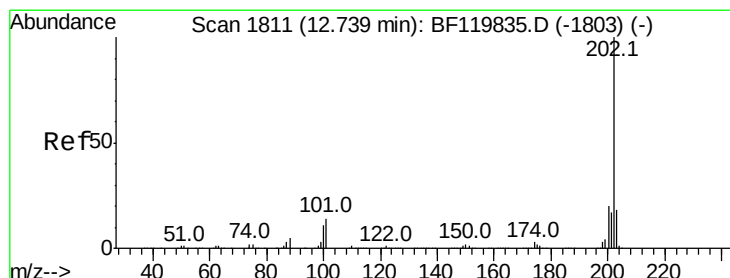
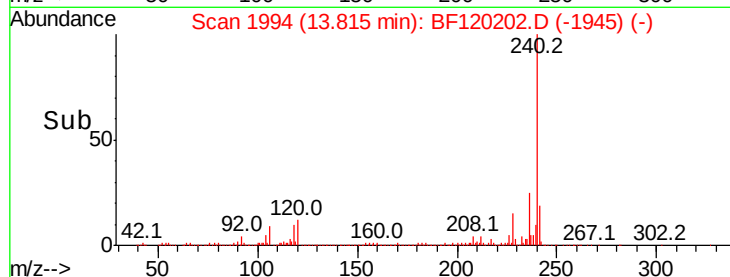
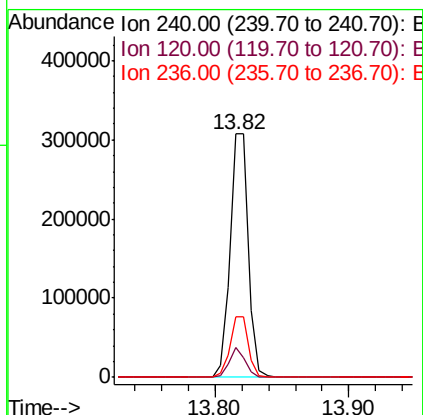
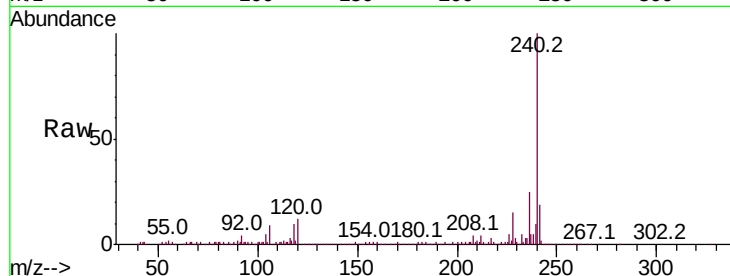




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF120202.D
 Acq: 24 Apr 2020 15:12

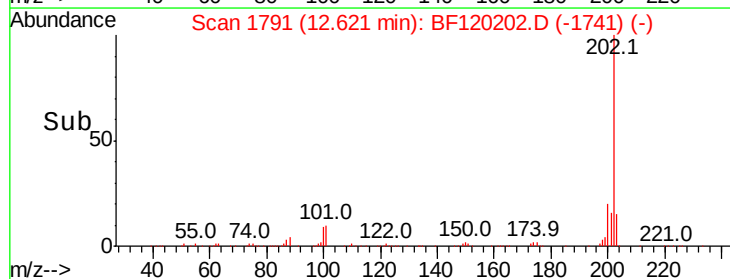
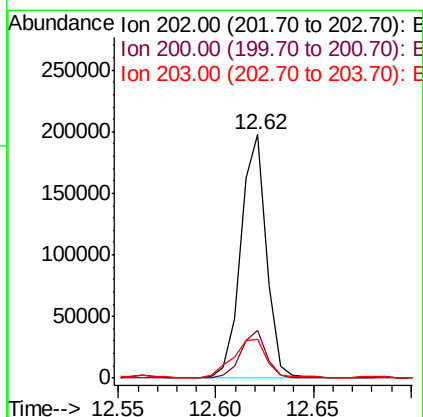
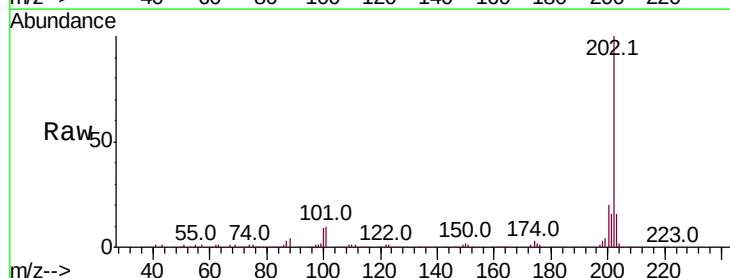
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

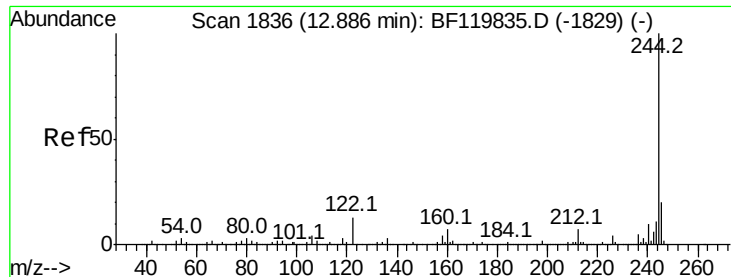
Tot Ion:240 Resp: 298054
 Ion Ratio Lower Upper
 240 100
 120 12.4 10.6 15.8
 236 24.6 20.2 30.2



#78
 Pyrene
 Concen: 7.147 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF120202.D
 Acq: 24 Apr 2020 15:12

Tgt Ion:202 Resp: 179591
 Ion Ratio Lower Upper
 202 100
 200 19.7 16.8 25.2
 203 15.9 15.1 22.7





#79

Terphenyl-d14

Concen: 53.179 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Instrument :

BNA_F

ClientSampleId :

TP-3-S

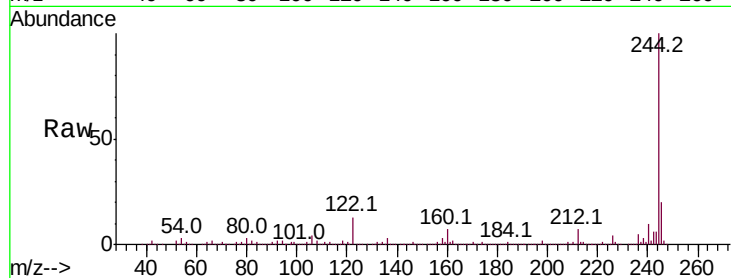
Tot Ion:244 Resp: 941971

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

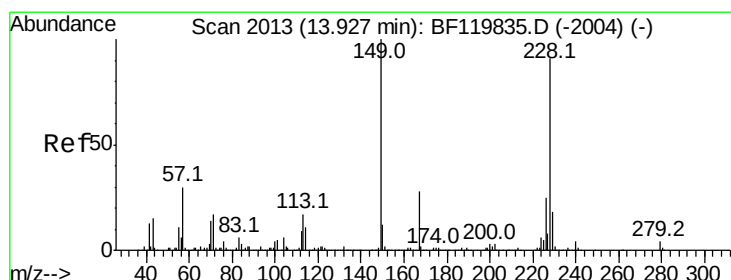
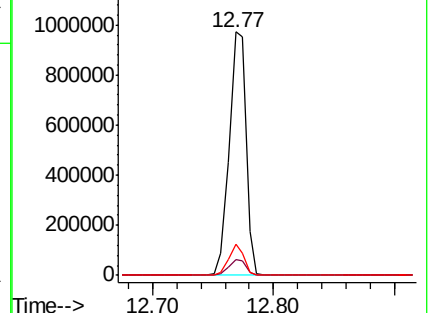
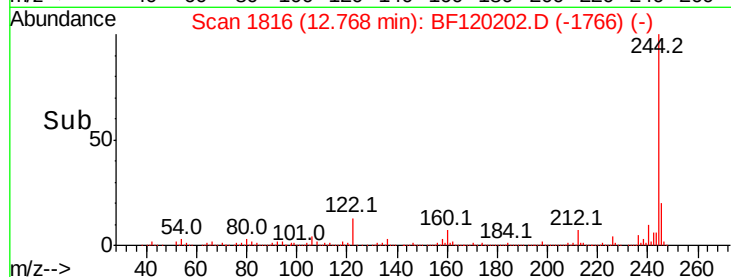
122 12.8 10.3 15.5



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: 4.994 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

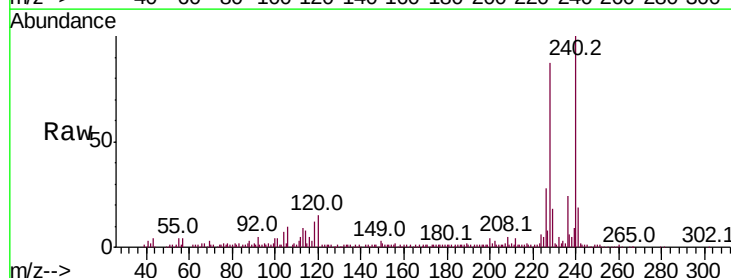
Tgt Ion:228 Resp: 97920

Ion Ratio Lower Upper

228 100

226 32.2 21.8 32.8

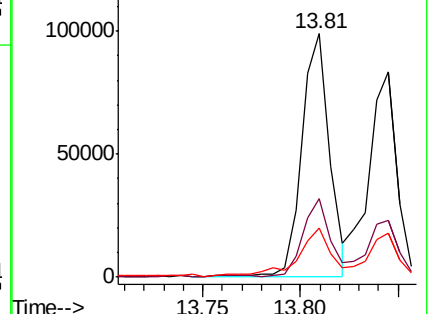
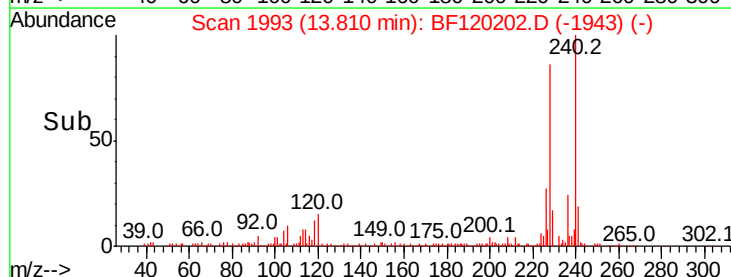
229 20.4 16.2 24.4

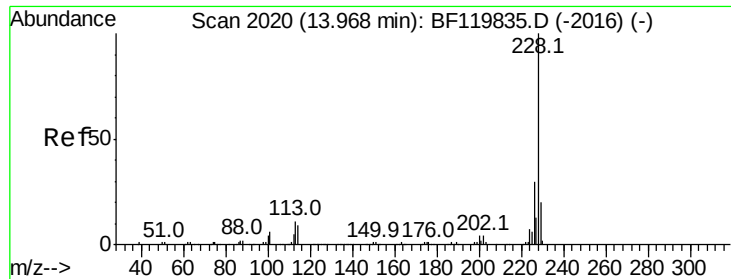


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.236 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

Instrument :

BNA_F

ClientSampleId :

TP-3-S

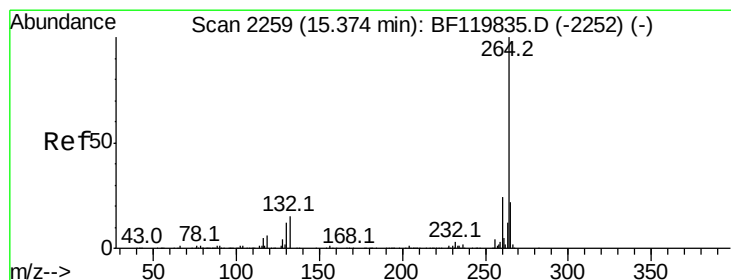
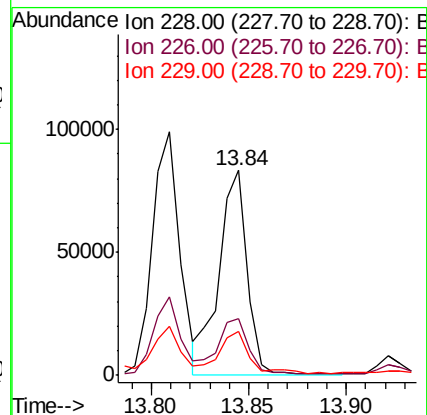
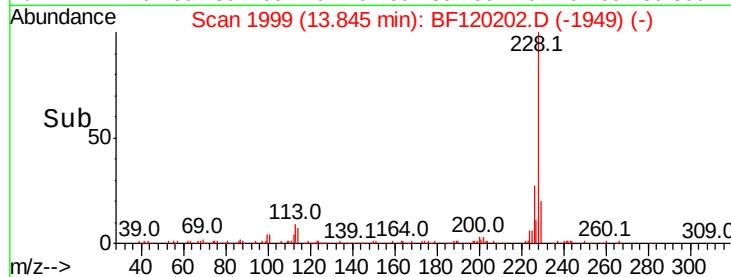
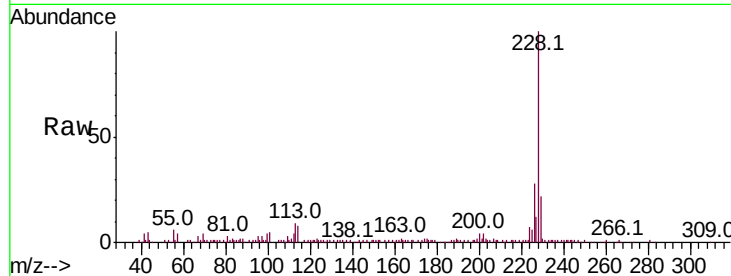
Tot Ion:228 Resp: 84400

Ion Ratio Lower Upper

228 100

226 27.6 25.4 38.0

229 21.5 16.6 24.8



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BF120202.D

Acq: 24 Apr 2020 15:12

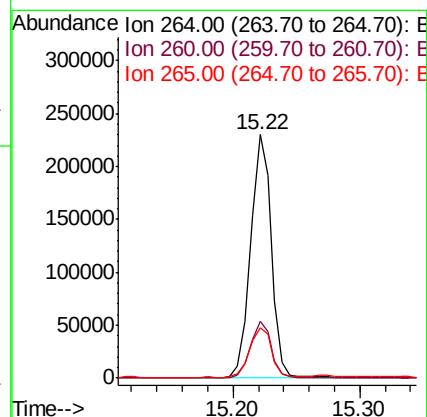
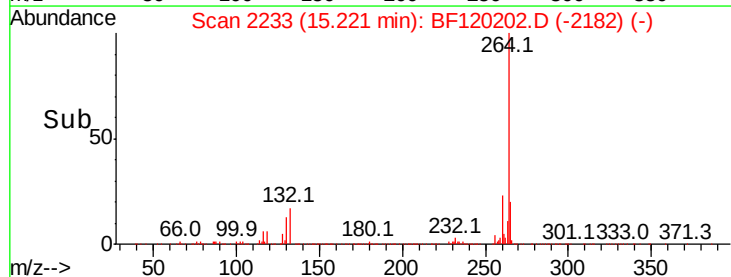
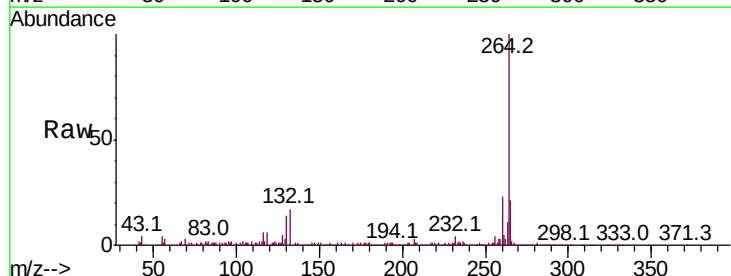
Tgt Ion:264 Resp: 259329

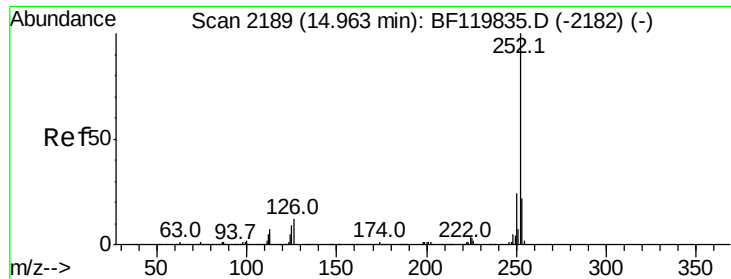
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 20.7 17.7 26.5

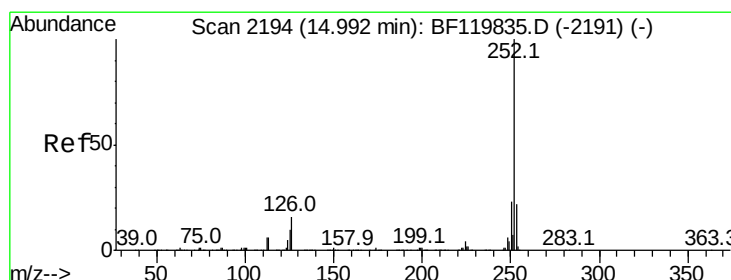
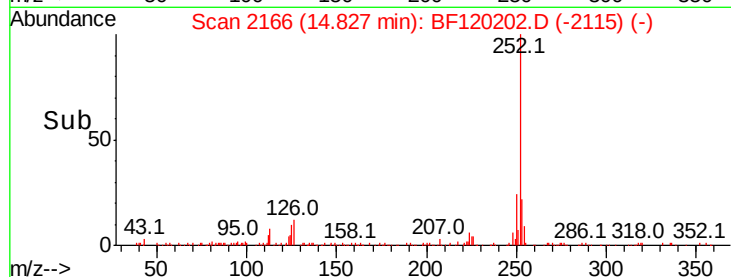
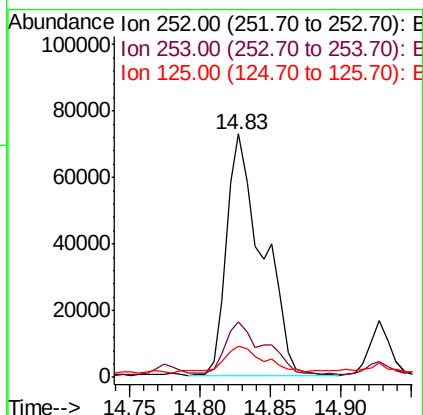
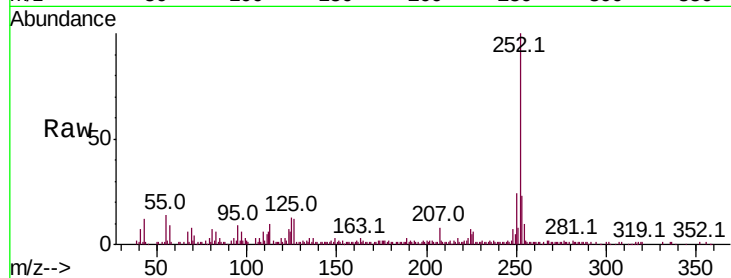




#88
Benzo(b)fluoranthene
Concen: 6.870 ng
RT: 14.83 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

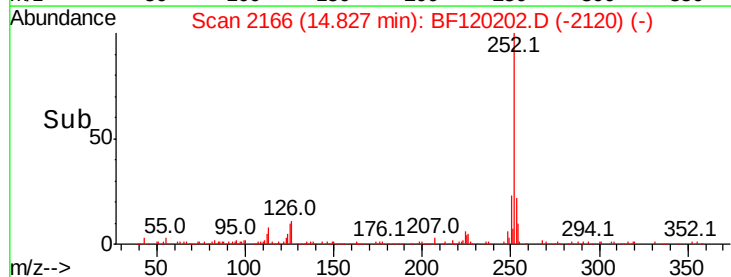
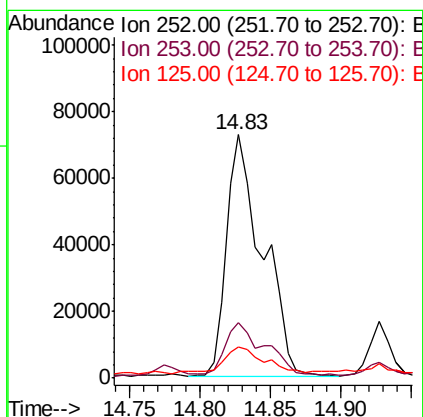
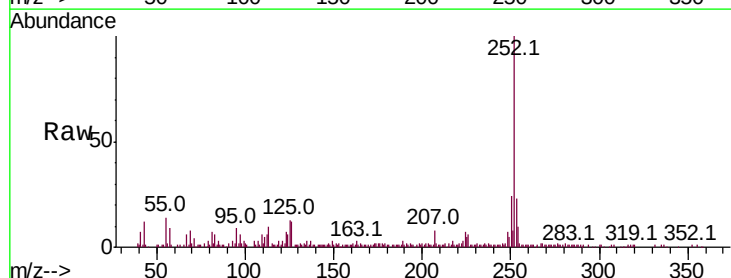
Instrument :
BNA_F
ClientSampleId :
TP-3-S

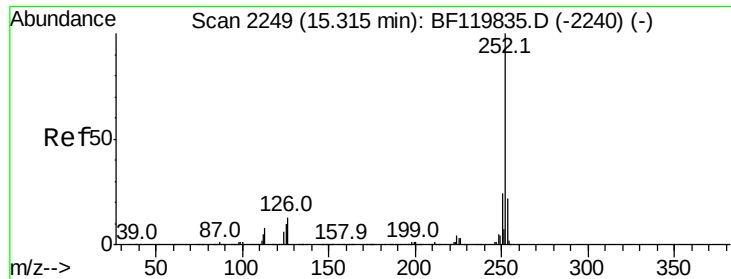
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	12.6	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 7.962 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.03 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.6	8.4	12.6#

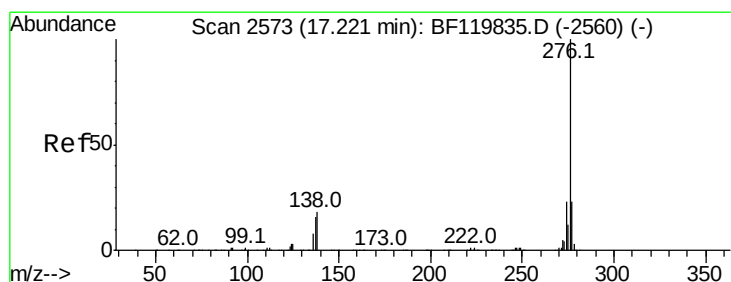
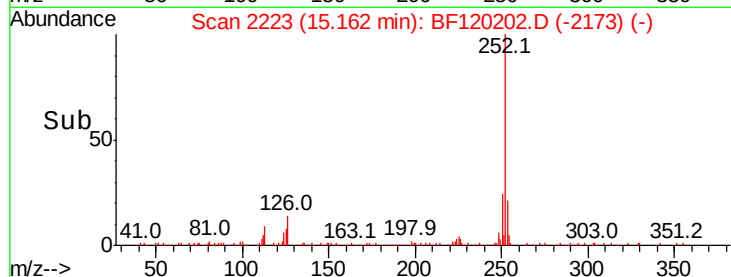
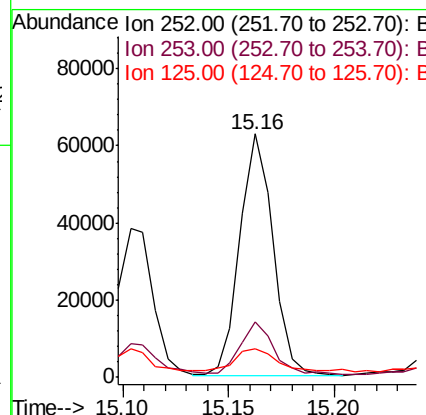
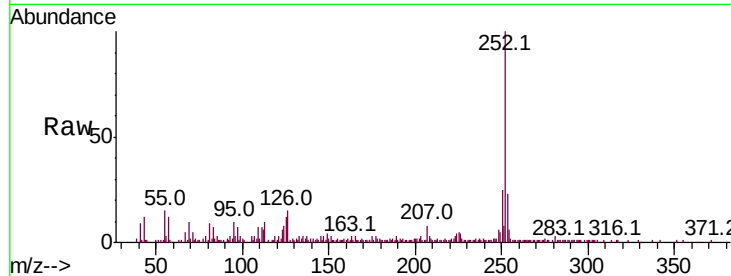




#90
Benzo(a)pyrene
Concen: 4.330 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.8	9.4	14.2



#92
Benzo(g,h,i)perylene
Concen: 2.497 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF120202.D
Acq: 24 Apr 2020 15:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.4	27.6
138	25.1	15.4	23.0

