

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110333.D
 Acq On : 31 Oct 2018 15:26
 Operator : JU/SJ
 Sample : J5202-11 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 16:49:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 31 14:18:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	81803	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	304038	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	116946	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	202042	20.00	ng	0.00
76) Chrysene-d12	14.17	240	193558	20.00	ng	0.00
87) Perylene-d12	15.72	264	129079	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	191636	38.15	ng	0.00
7) Phenol-d6	6.59	99	230477	35.87	ng	-0.01
23) Nitrobenzene-d5	7.53	82	134859	26.31	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	39339	33.96	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	223741	30.04	ng	0.00
79) Terphenyl-d14	13.10	244	200499	21.54	ng	0.00

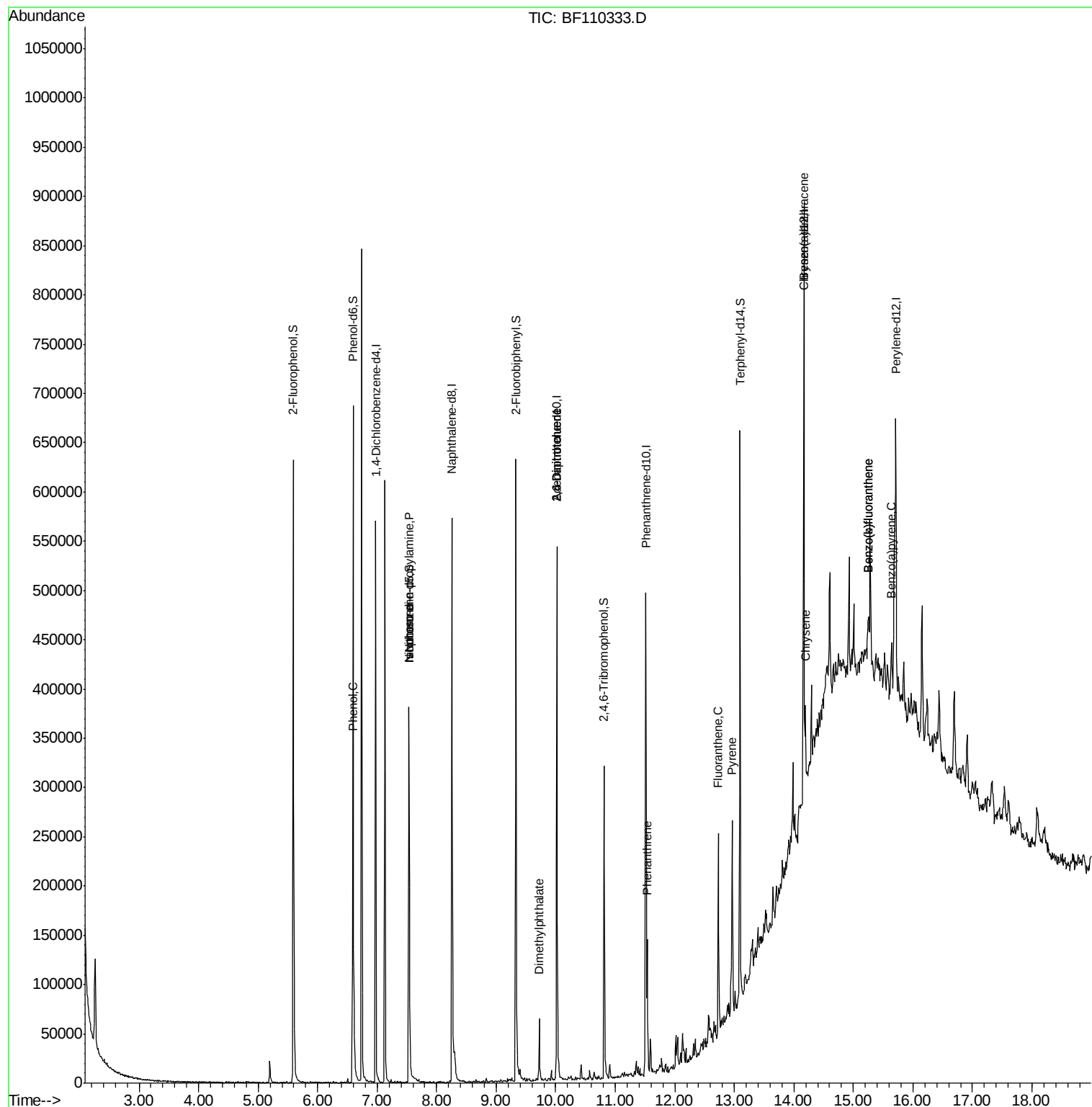
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	14686	2.138	ng	# 75
19) n-Nitroso-di-n-propylamine	7.53	70	17646	4.281	ng	# 78
25) Isophorone	7.53	82	134858	15.434	ng	# 67
50) Dimethylphthalate	9.72	163	27005	3.128	ng	# 99
51) 2,6-Dinitrotoluene	10.02	165	14711	7.911	ng	# 21
57) 2,4-Dinitrotoluene	10.02	165	14711	6.228	ng	# 17
71) Phenanthrene	11.54	178	49955	4.725	ng	# 99
75) Fluoranthene	12.73	202	83680	7.799	ng	# 98
77) Benzidine	12.86	184	110	Below Cal		# 1
78) Pyrene	12.96	202	73448	5.293	ng	# 99
81) Benzo(a)anthracene	14.16	228	36104	3.145	ng	# 93
83) Chrysene	14.19	228	29441	2.700	ng	# 93
88) Benzo(b)fluoranthene	15.25	252	33375	4.478	ng	# 58
89) Benzo(k)fluoranthene	15.25	252	33375	4.555	ng	# 57
90) Benzo(a)pyrene	15.64	252	16347	2.383	ng	# 69

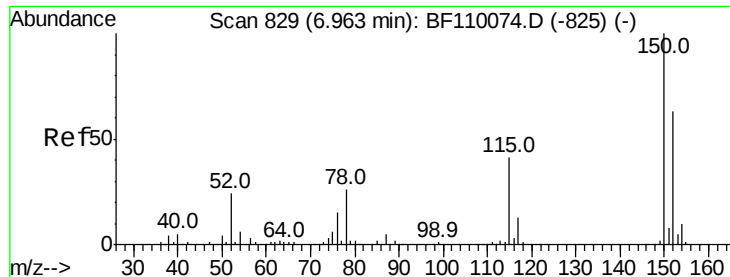
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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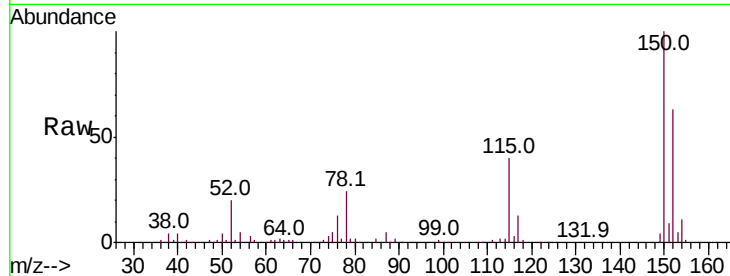


#1

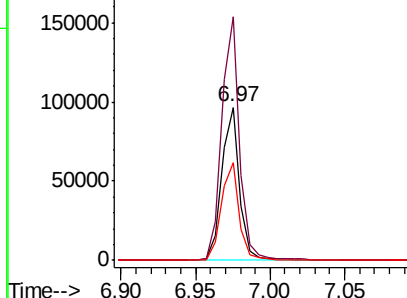
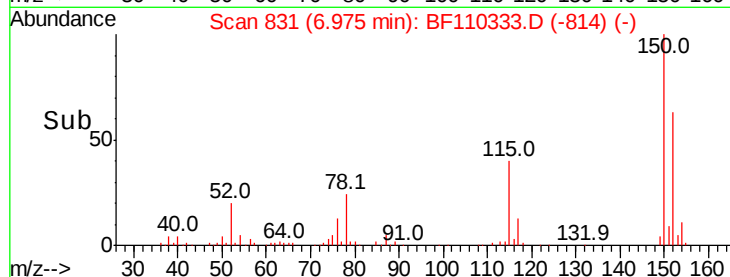
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81803
Ion Ratio Lower Upper
152 100
150 159.2 122.7 184.1
115 63.7 49.1 73.7



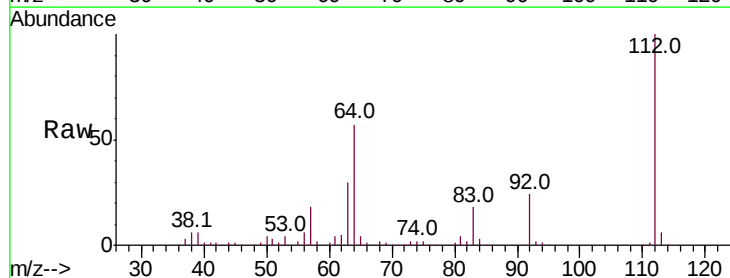
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



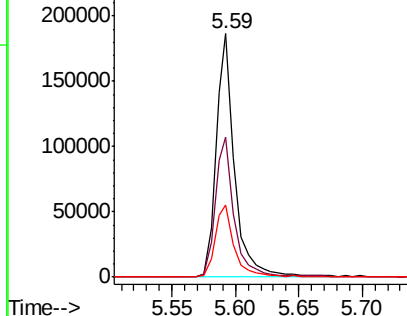
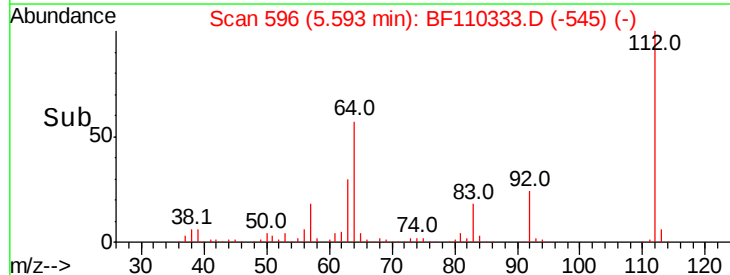
#5

2-Fluorophenol
Concen: 38.149 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Tgt Ion:112 Resp: 191636
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 29.8 23.7 35.5



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: 35.870 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

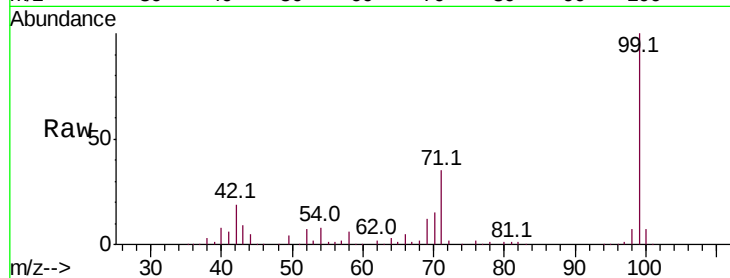
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 230477

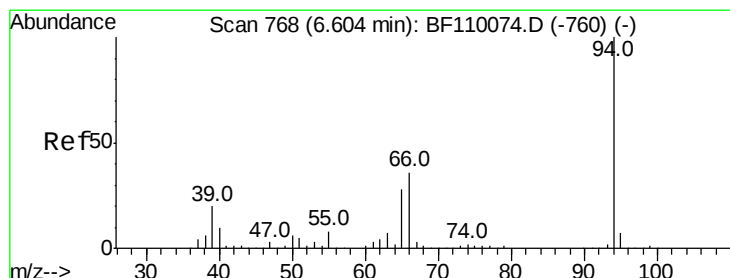
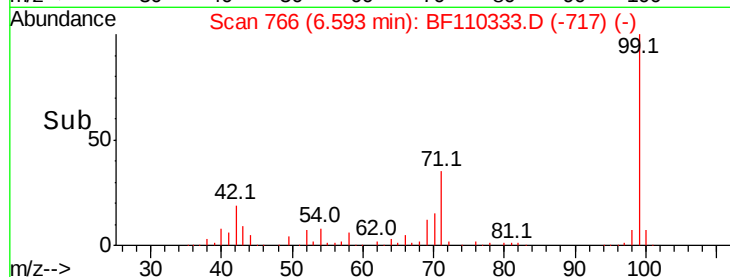
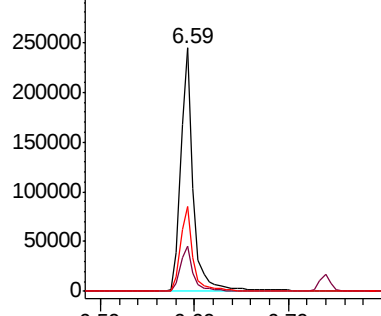
Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.8	23.6
71	34.7	28.0	42.0



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



#10

Phenol

Concen: 2.138 ng

RT: 6.60 min Scan# 768

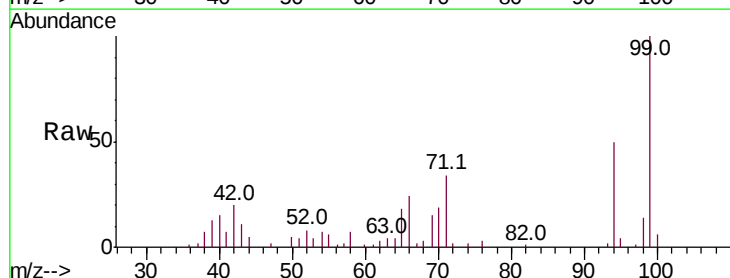
Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Tgt Ion: 94 Resp: 14686

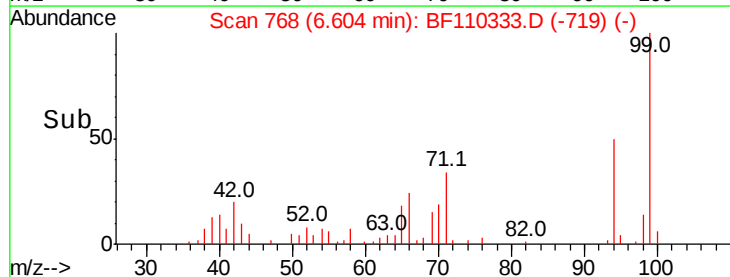
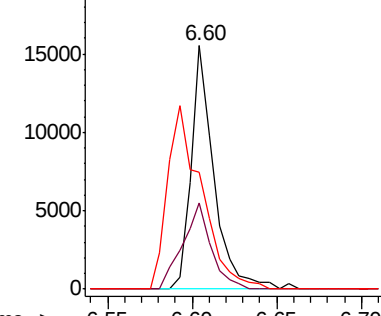
Ion	Ratio	Lower	Upper
94	100		
65	35.5	25.3	65.3
66	48.3	54.5	94.5#

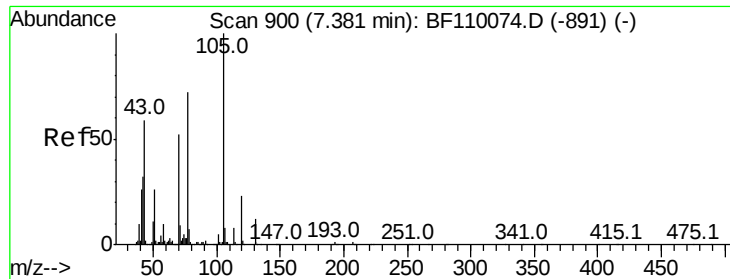


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

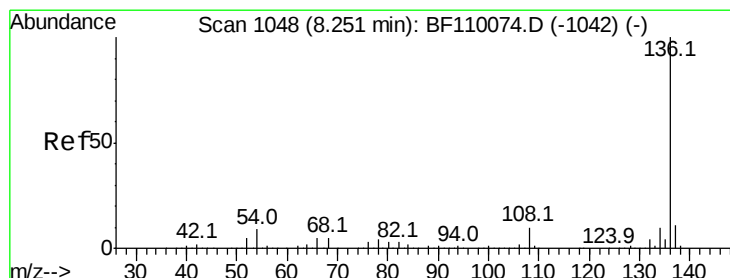
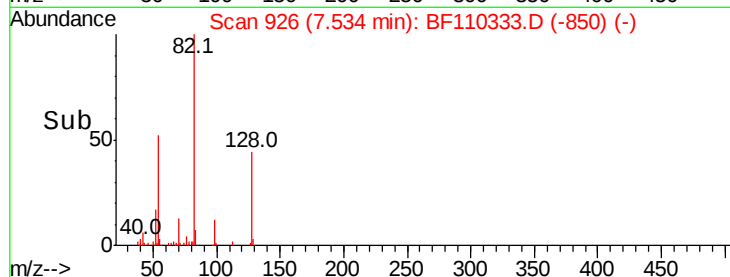
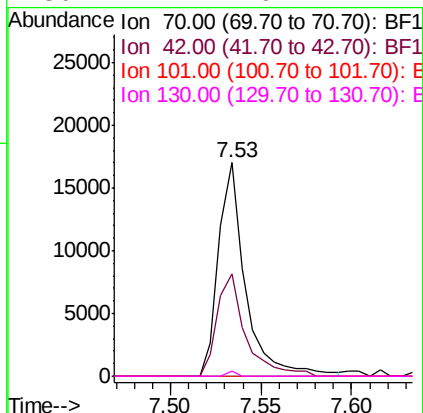
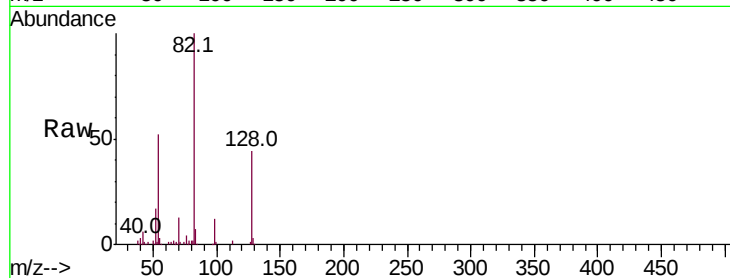




#19
n-Nitroso-di-n-propylamine
Concen: 4.281 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

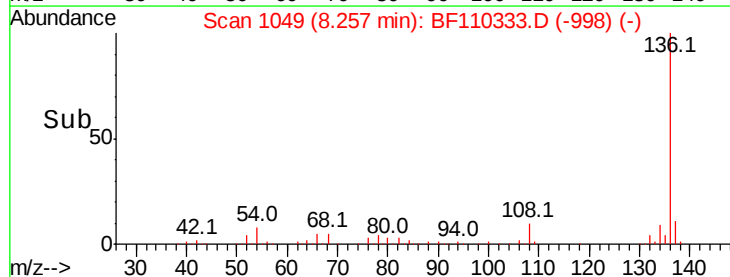
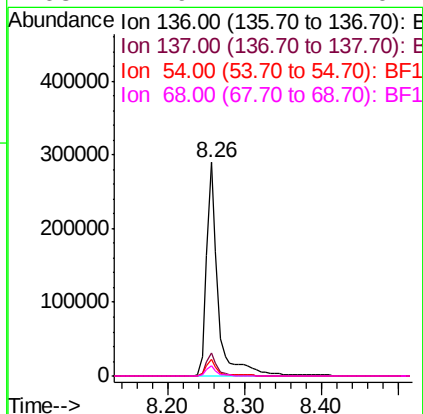
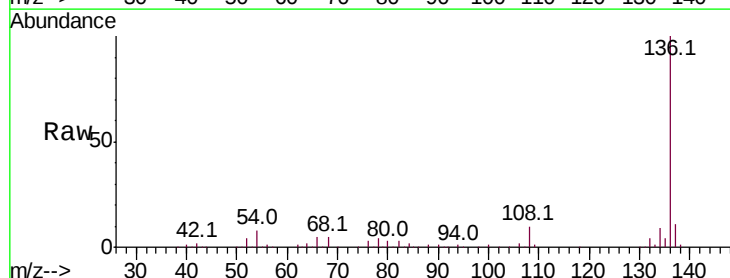
Instrument :
BNA_F
ClientSampled :

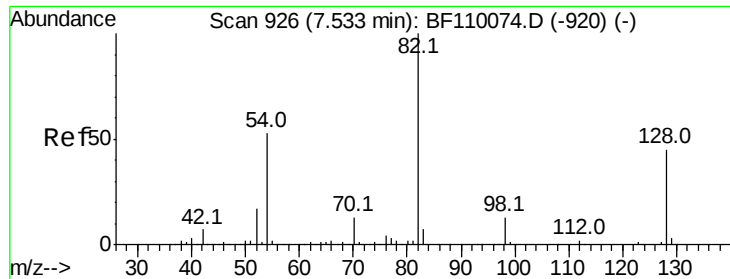
Tot Ion: 70 Resp: 17646
Ion Ratio Lower Upper
70 100
42 48.0 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Tgt Ion: 136 Resp: 304038
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 5.4 8.2
68 4.9 4.2 6.2

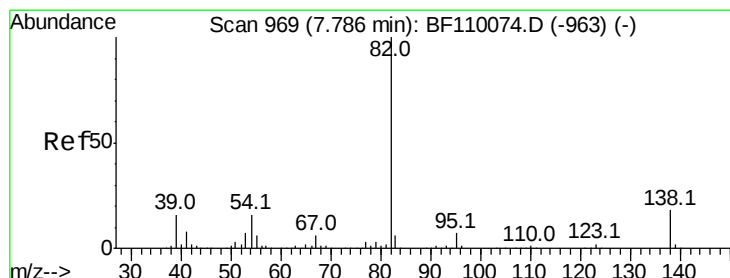
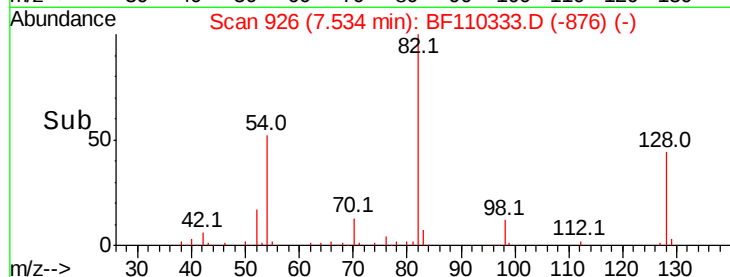
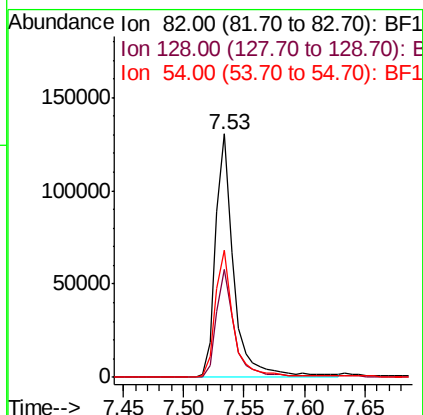
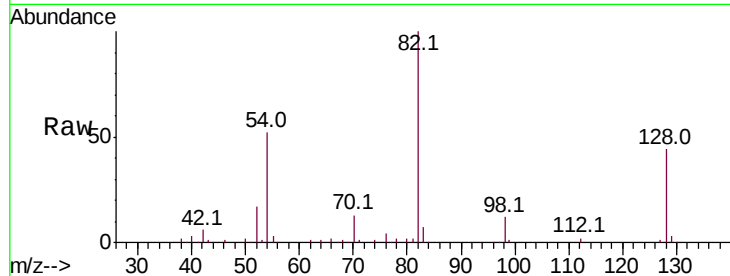




#23
Nitrobenzene-d5
Concen: 26.309 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

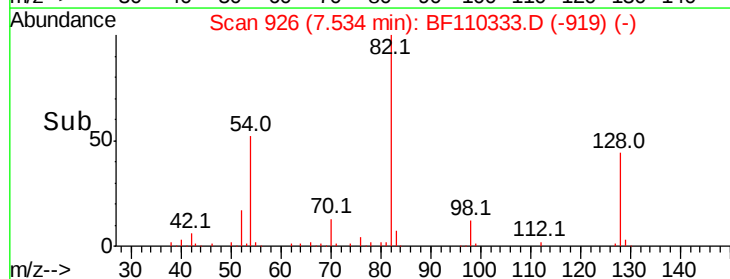
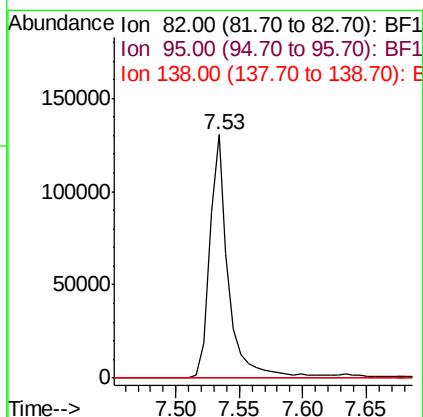
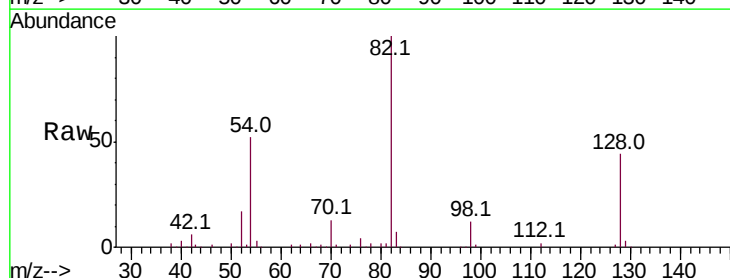
Instrument :
BNA_F
ClientSampleId :

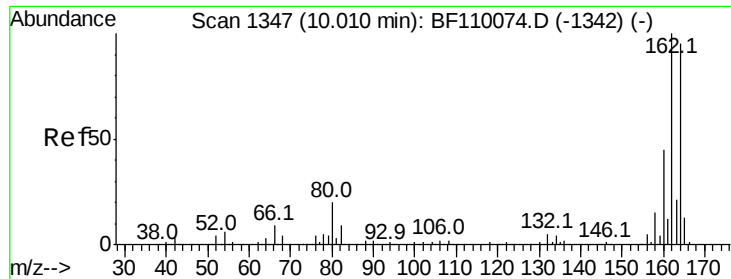
Tot Ion	82	Resp	134859
Ion Ratio	Lower	Upper	
82	100		
128	44.3	34.2	51.2
54	52.2	38.6	58.0



#25
Isophorone
Concen: 15.434 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Tgt Ion	82	Resp	134858
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Instrument :

BNA_F

ClientSampleId :

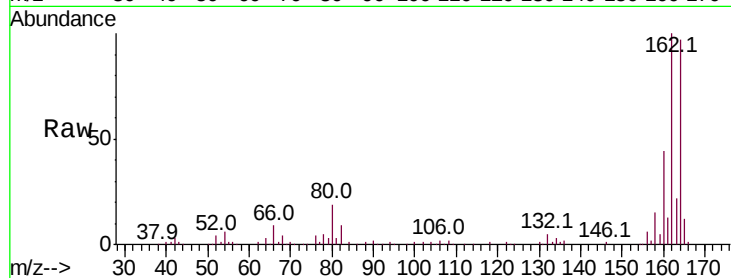
Tot Ion:164 Resp: 116946

Ion Ratio Lower Upper

164 100

162 103.0 83.0 124.6

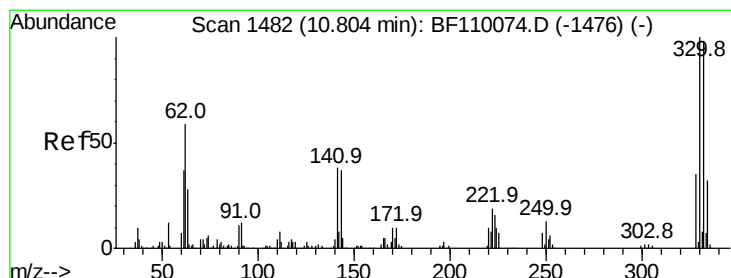
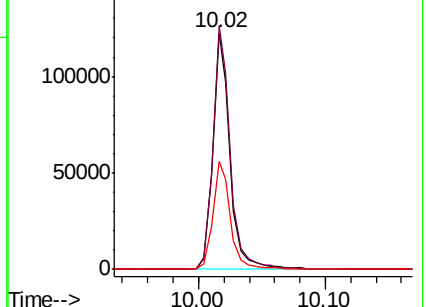
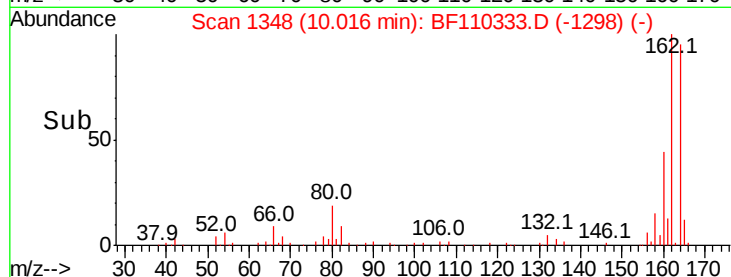
160 45.5 37.0 55.6



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: 33.959 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

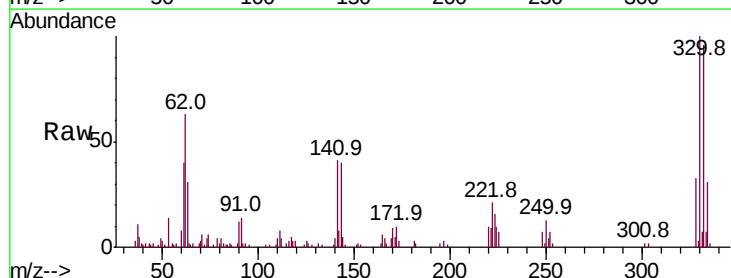
Tgt Ion:330 Resp: 39339

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

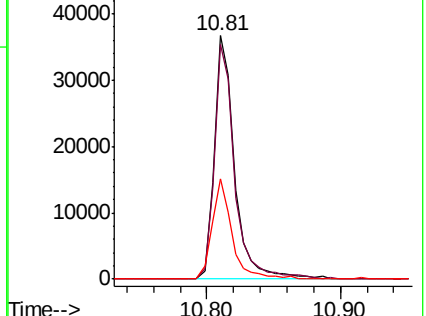
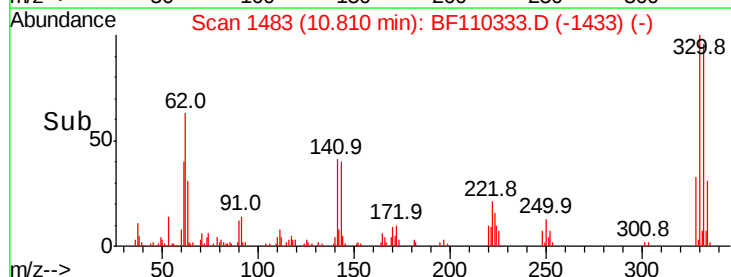
141 40.1 27.0 40.4

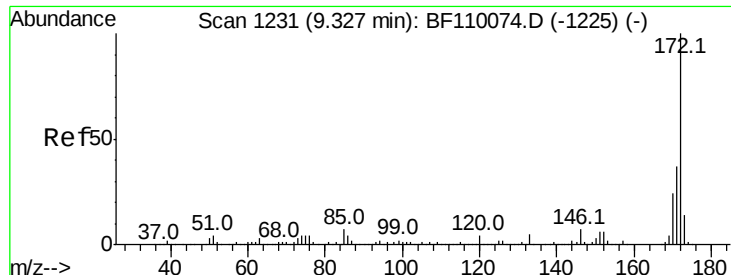


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

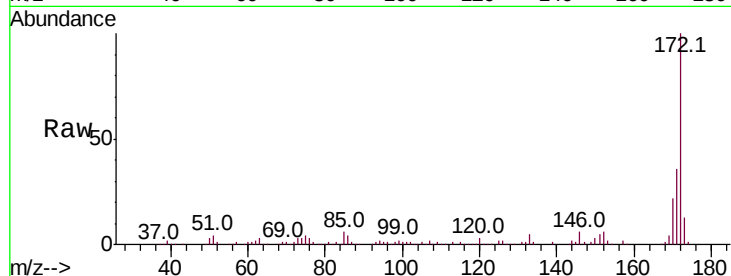




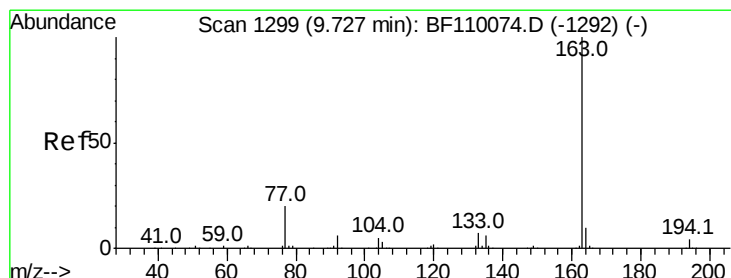
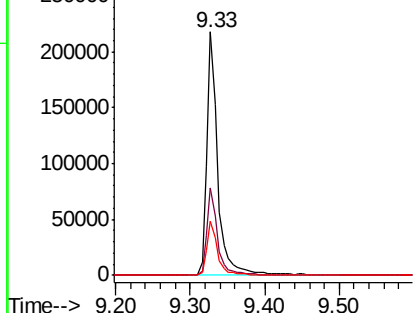
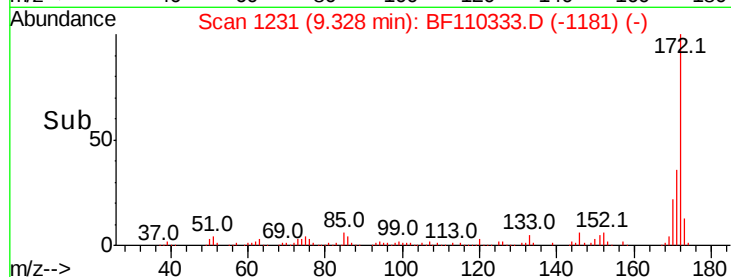
#45
2-Fluorobiphenyl
Concen: 30.042 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 223741
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 22.5 19.7 29.5

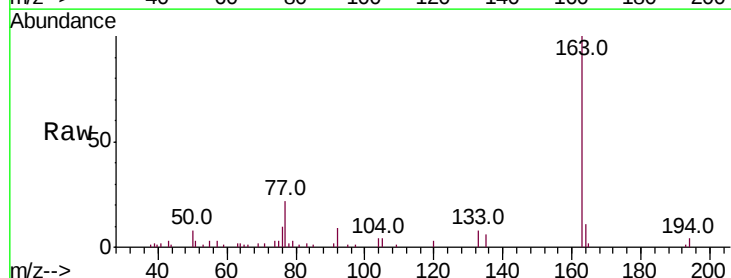


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

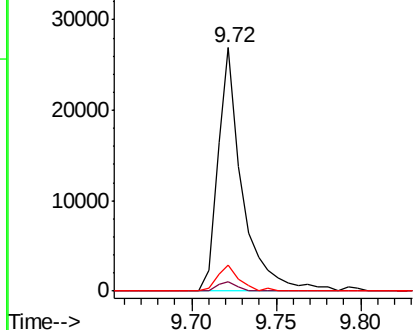
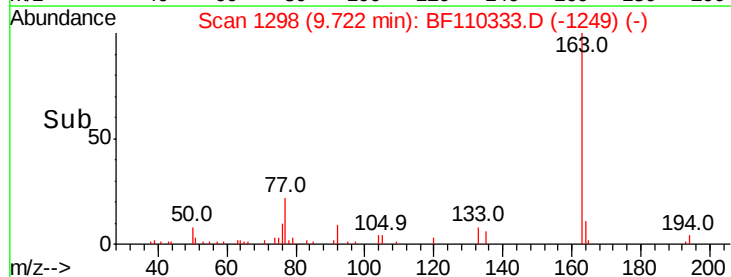


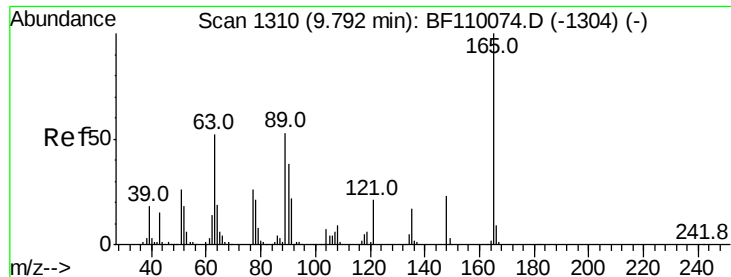
#50
Dimethylphthalate
Concen: 3.128 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Tgt Ion:163 Resp: 27005
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.6 8.1 12.1



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





#51

2,6-Dinitrotoluene

Concen: 7.911 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.21 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Instrument :

BNA_F

ClientSampleId :

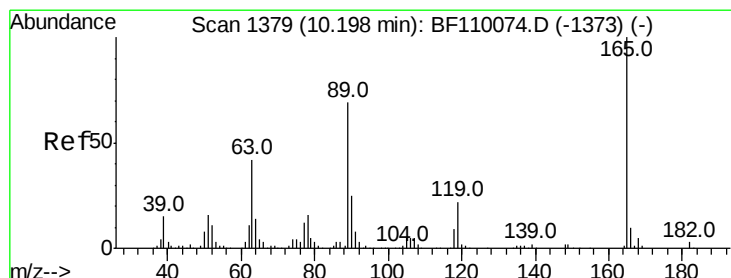
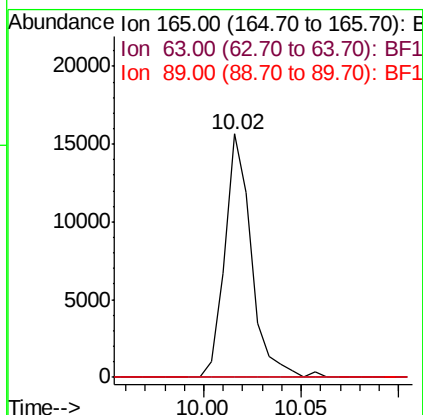
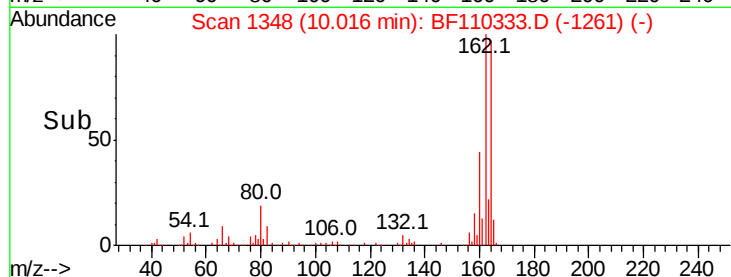
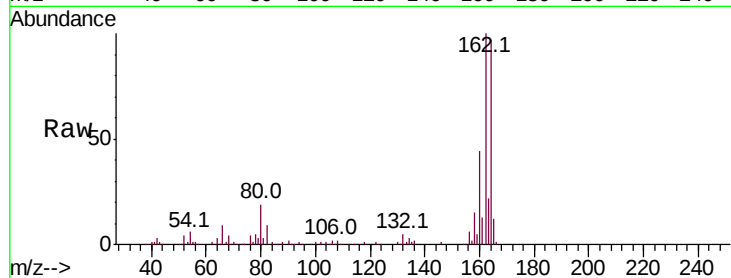
Tot Ion:165 Resp: 14711

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

89 0.0 46.6 69.8#



#57

2,4-Dinitrotoluene

Concen: 6.228 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.20 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Tgt Ion:165 Resp: 14711

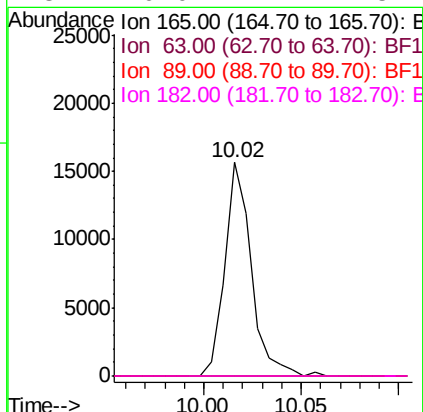
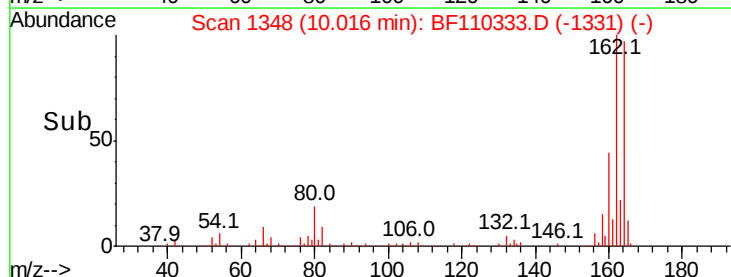
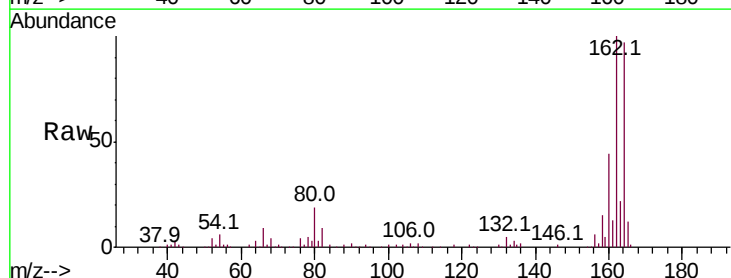
Ion Ratio Lower Upper

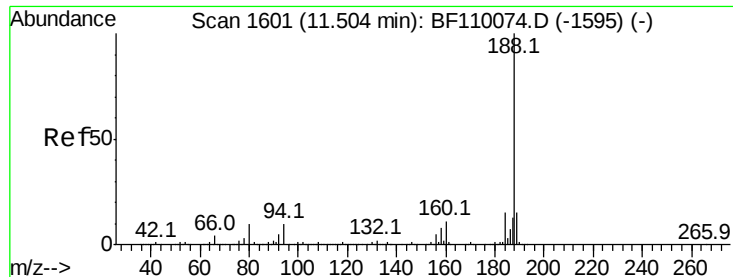
165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Instrument :

BNA_F

ClientSampled :

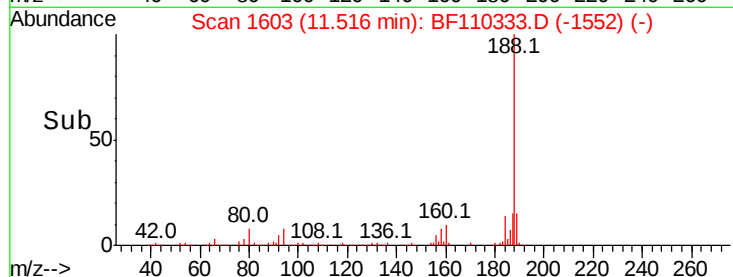
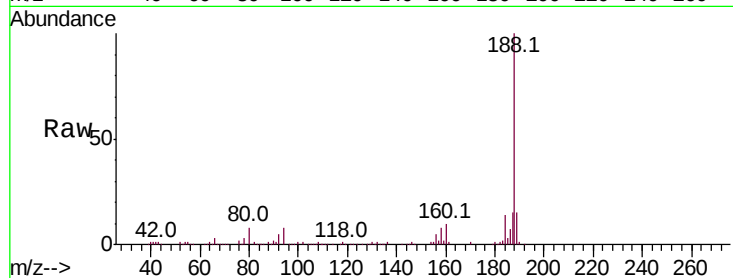
Tot Ion:188 Resp: 202042

Ion Ratio Lower Upper

188 100

94 7.7 7.2 10.8

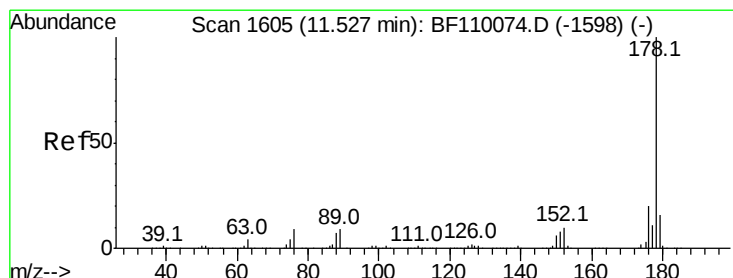
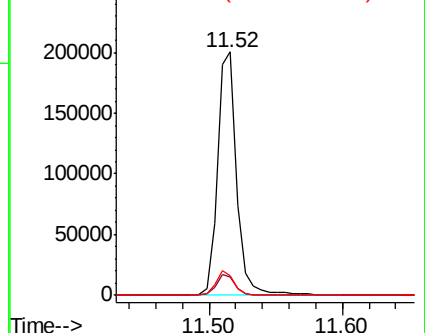
80 8.2 7.9 11.9



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



#71

Phenanthrene

Concen: 4.725 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

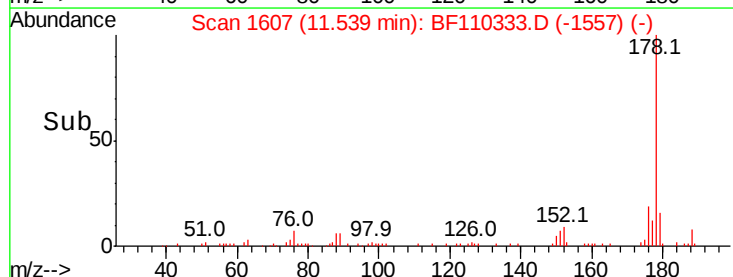
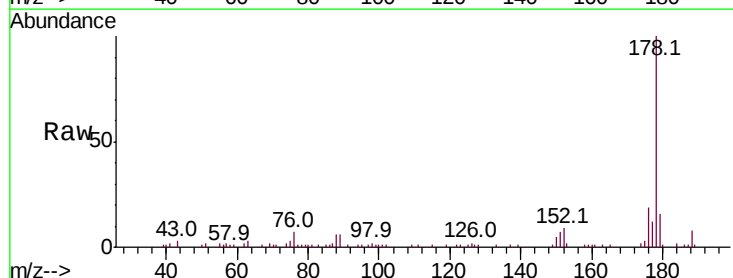
Tgt Ion:178 Resp: 49955

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

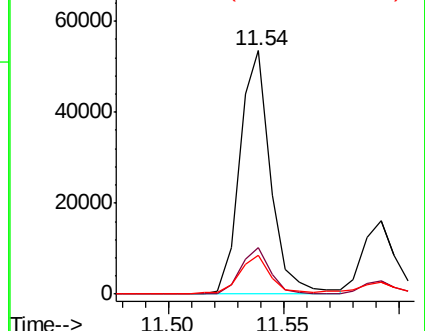
179 15.8 12.5 18.7

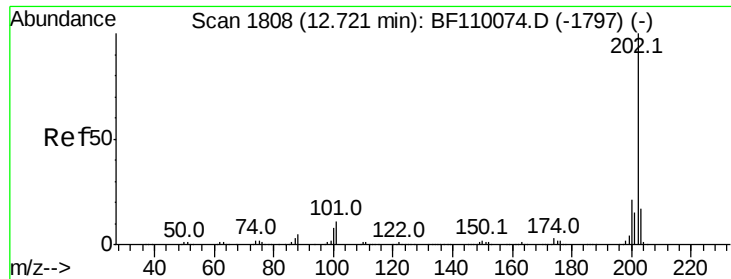


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.799 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Instrument :

BNA_F

ClientSampleId :

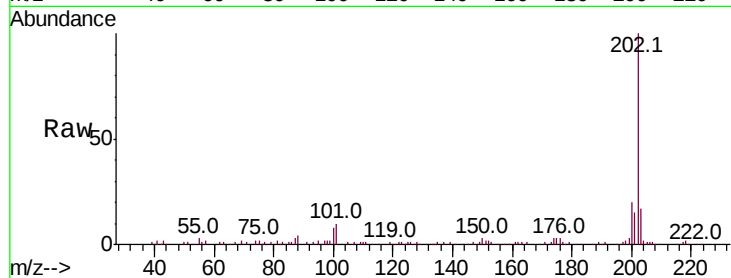
Tot Ion:202 Resp: 83680

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

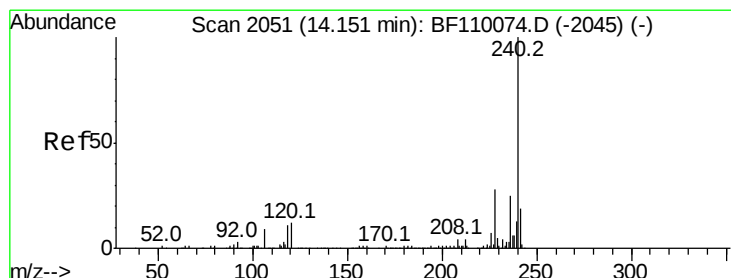
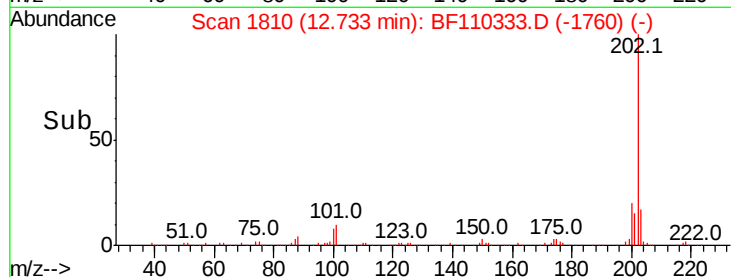
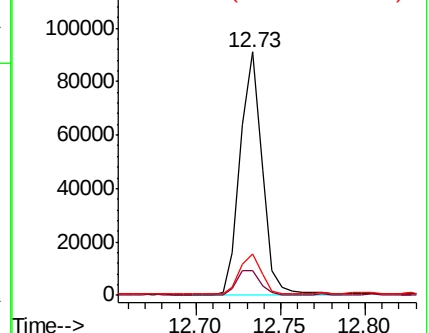
203 16.9 0.0 37.7



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: 14.17 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

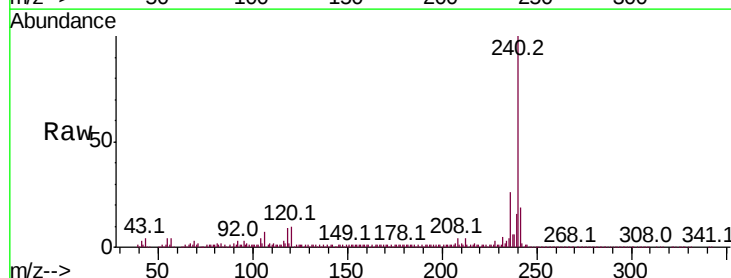
Tgt Ion:240 Resp: 193558

Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

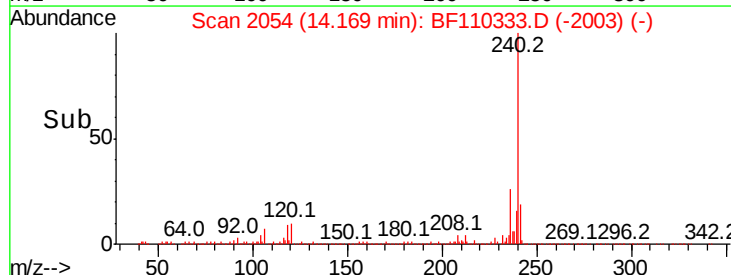
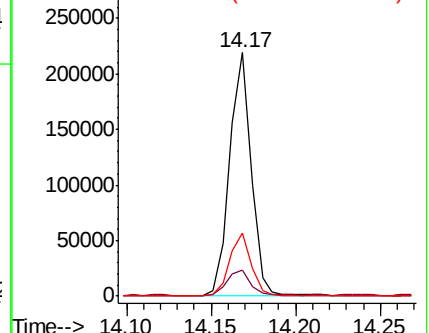
236 25.8 21.2 31.8

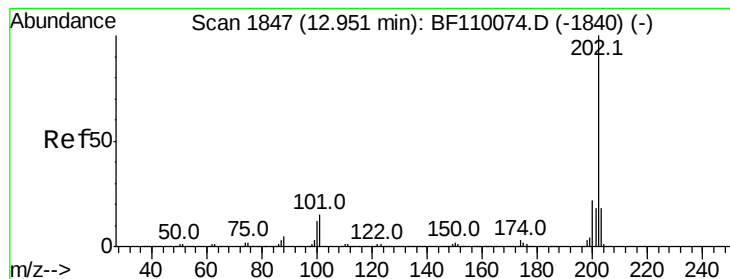


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.293 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Instrument :

BNA_F

ClientSampled :

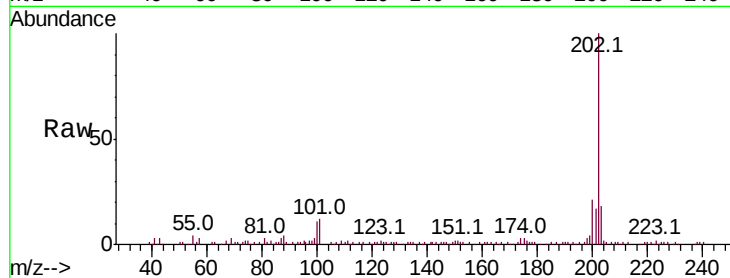
Tot Ion:202 Resp: 73448

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

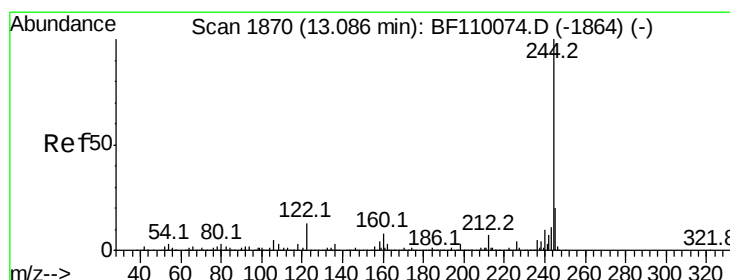
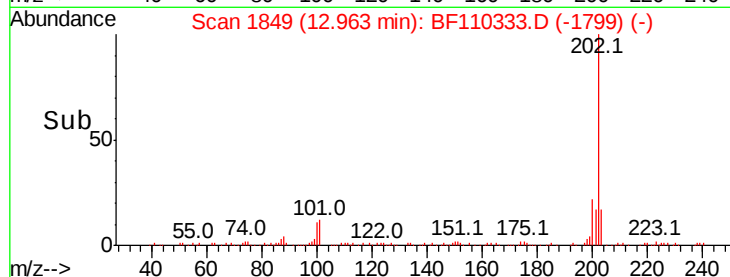
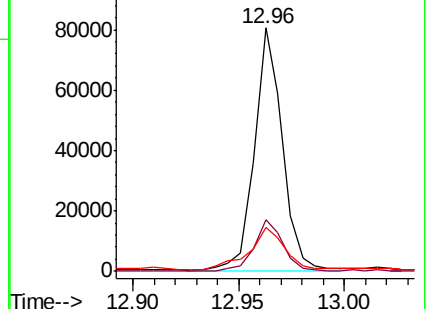
203 18.0 14.2 21.4



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: 21.543 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

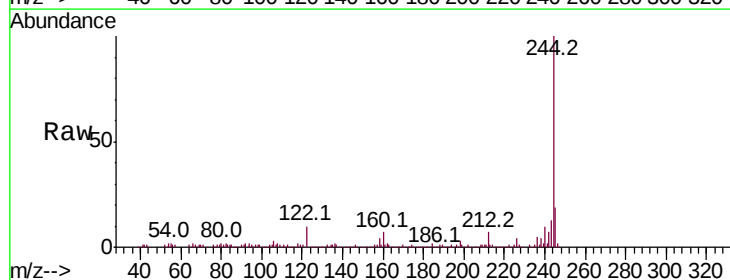
Tgt Ion:244 Resp: 200499

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

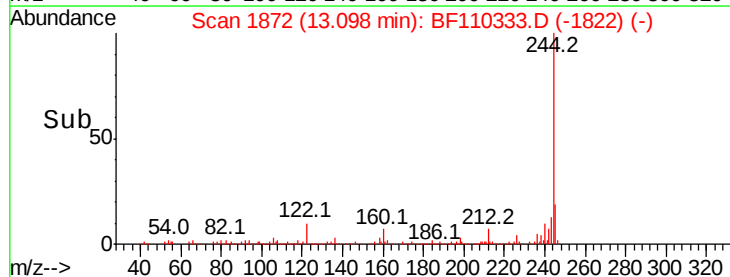
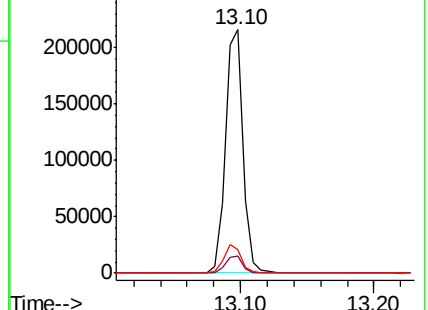
122 9.7 8.7 13.1

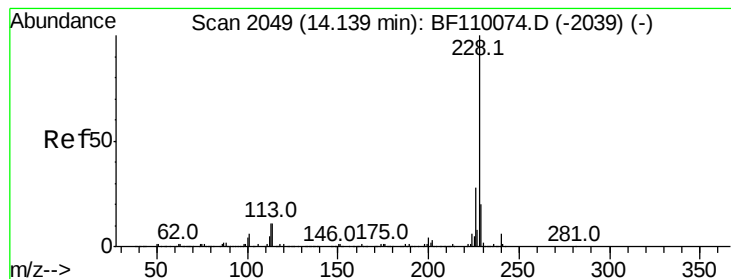


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.145 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

Instrument :

BNA_F

ClientSampleId :

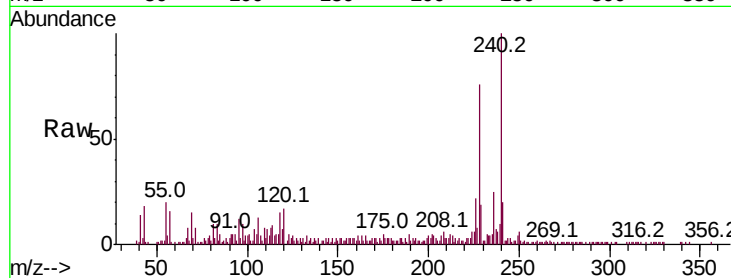
Tot Ion:228 Resp: 36104

Ion Ratio Lower Upper

228 100

226 29.2 22.1 33.1

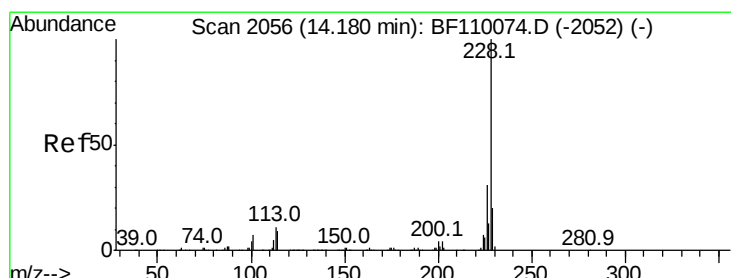
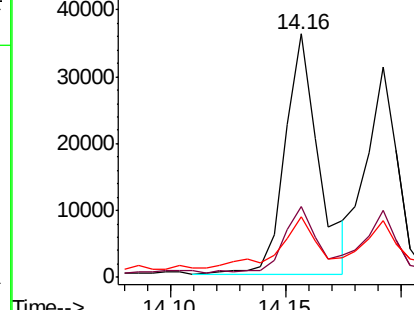
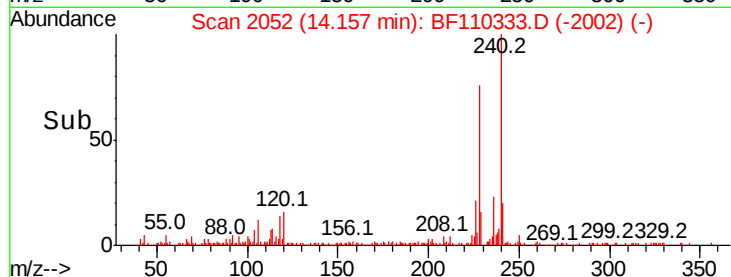
229 25.1 15.6 23.4#



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: 2.700 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF110333.D

Acq: 31 Oct 2018 15:26

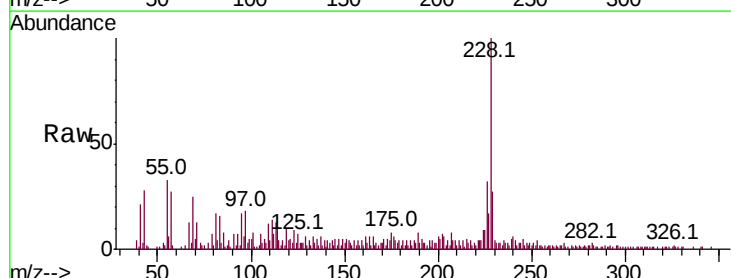
Tgt Ion:228 Resp: 29441

Ion Ratio Lower Upper

228 100

226 32.0 24.7 37.1

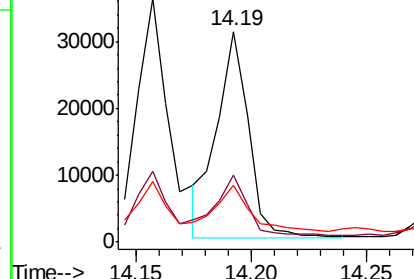
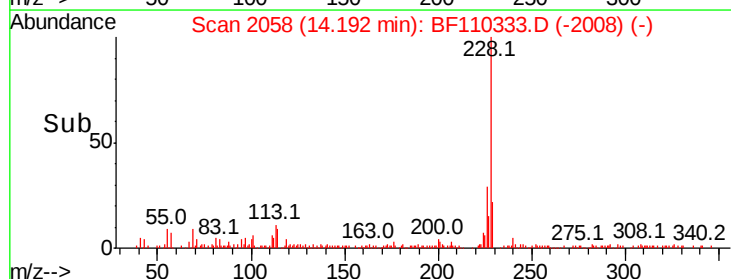
229 26.8 15.9 23.9#

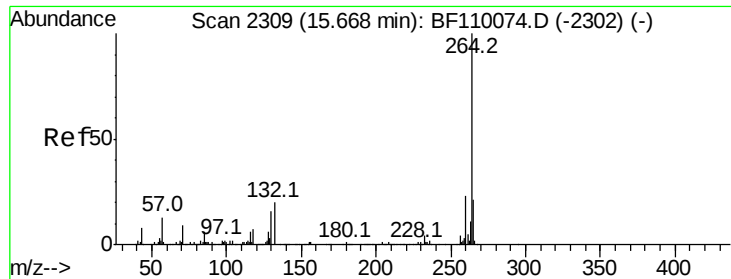


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

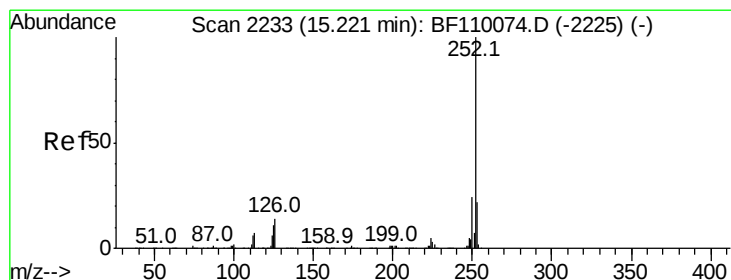
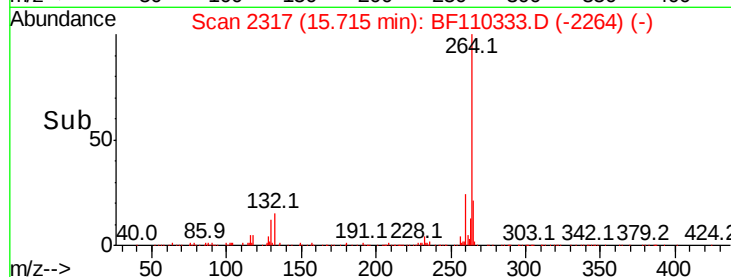
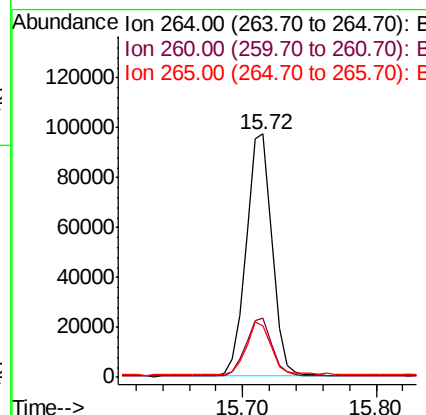
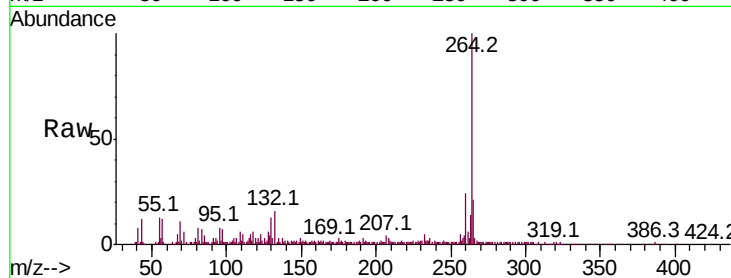




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

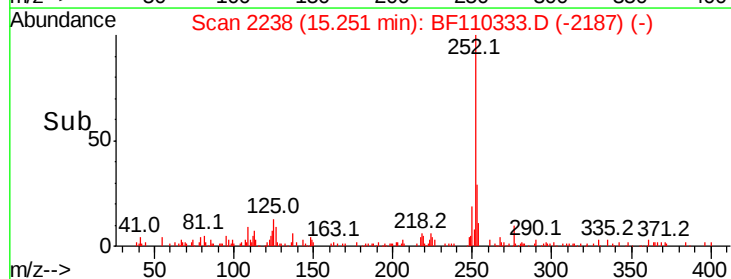
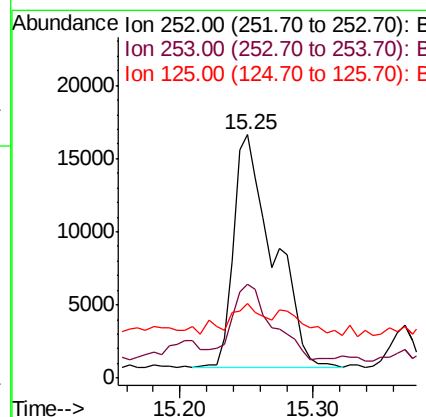
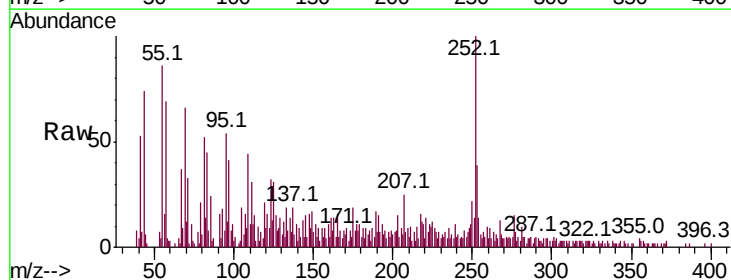
Instrument :
BNA_F
ClientSampleId :

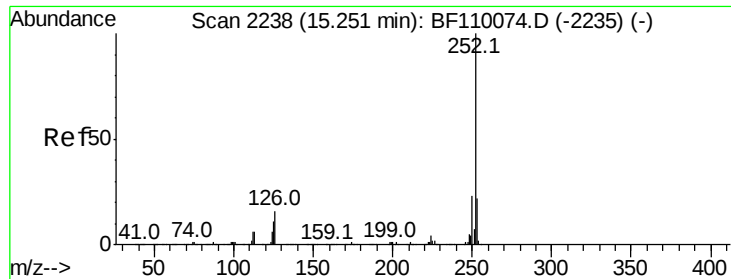
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.3	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 4.478 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.7	17.2	25.8#
125	30.8	8.2	12.4#

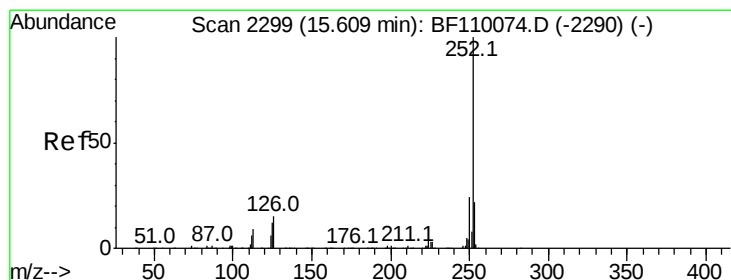
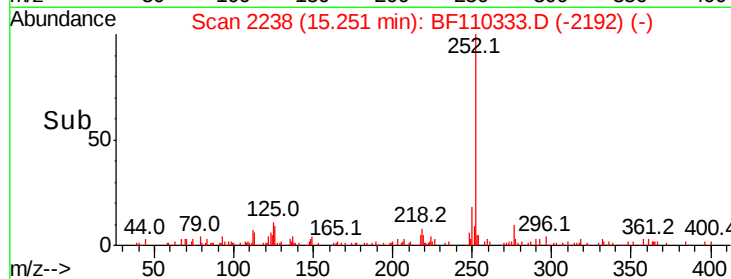
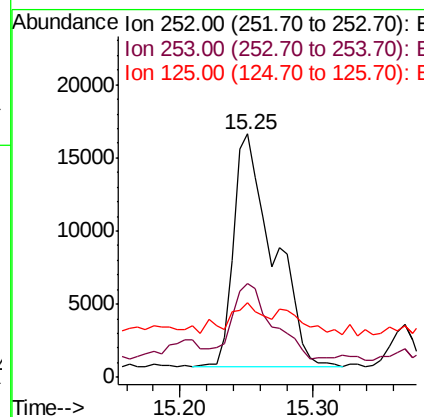
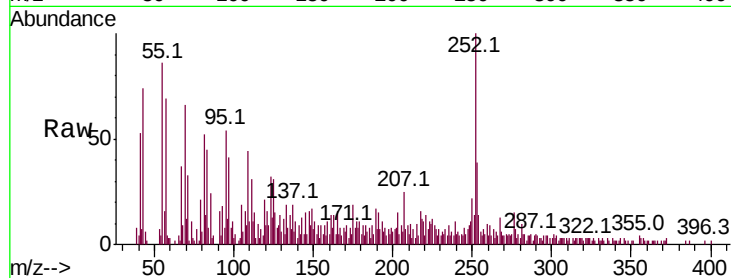




#89
Benzo(k)fluoranthene
Concen: 4.555 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.03 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.7	17.2	25.8#
125	30.8	7.4	11.0#



#90
Benzo(a)pyrene
Concen: 2.383 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BF110333.D
Acq: 31 Oct 2018 15:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.5	18.2	27.4#
125	33.7	9.0	13.6#

