

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110282.D
 Acq On : 30 Oct 2018 00:27
 Operator : JU/SJ
 Sample : J5194-09 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 08:49:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

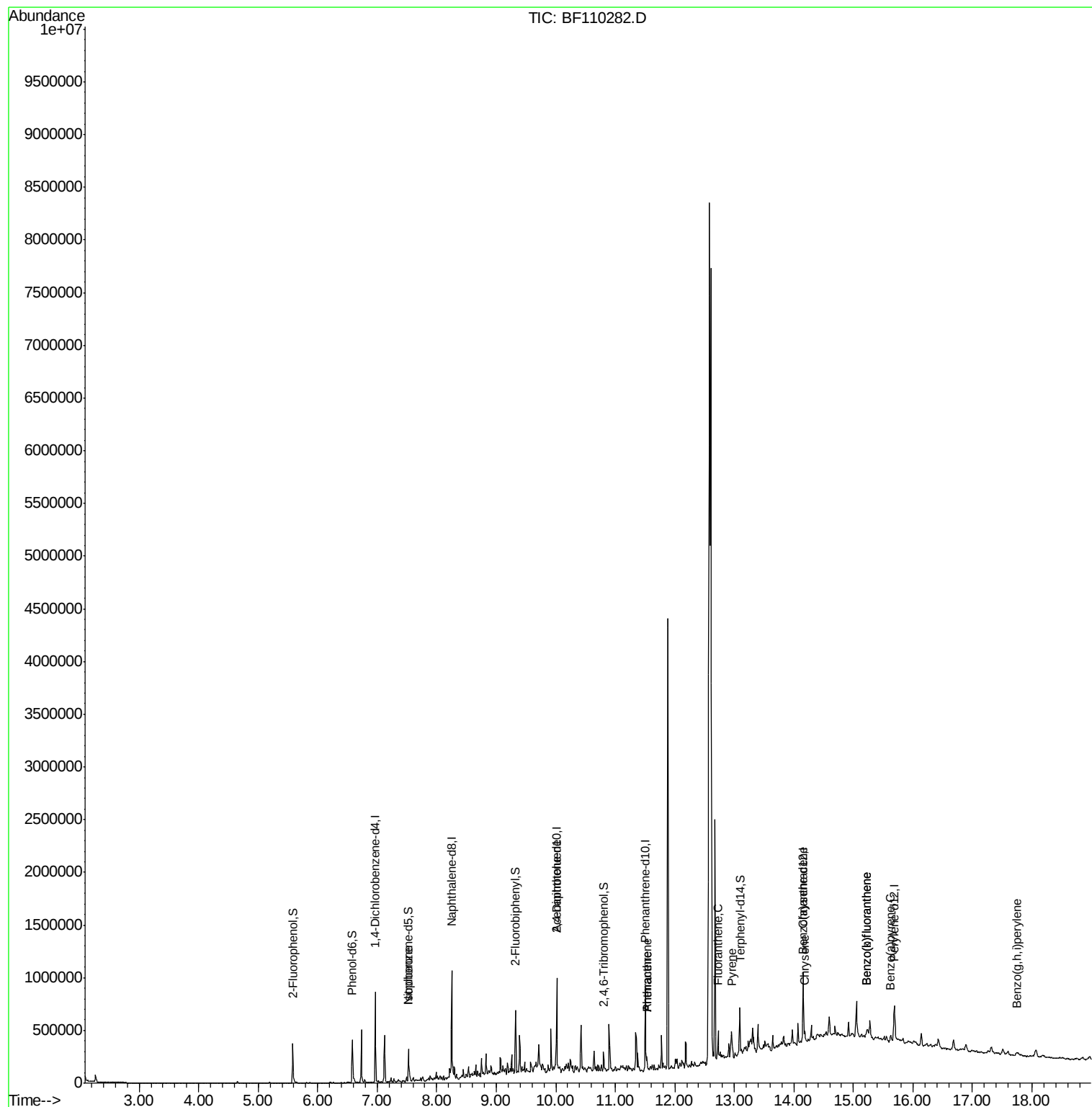
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	118074	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	452094	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	180127	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	283795	20.00	ng	0.00
76) Chrysene-d12	14.16	240	196161	20.00	ng	0.00
87) Perylene-d12	15.69	264	137929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	114864	15.84	ng	0.00
7) Phenol-d6	6.58	99	145896	15.73	ng	-0.01
23) Nitrobenzene-d5	7.53	82	89929	11.80	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	20882	11.70	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	187957	16.39	ng	0.00
79) Terphenyl-d14	13.09	244	139124	14.75	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	217	Below Cal	Qvalue	# 1
25) Isophorone	7.53	82	89929	6.921 ng	#	68
57) 2,4-Dinitrotoluene	10.01	165	25013	6.876 ng	#	20
71) Phenanthrene	11.53	178	39045	2.629 ng		97
72) Anthracene	11.53	178	39045	2.623 ng		97
75) Fluoranthene	12.73	202	70537	4.680 ng		99
77) Benzidine	12.85	184	122	Below Cal	#	1
78) Pyrene	12.96	202	100222	7.127 ng		97
81) Benzo(a)anthracene	14.14	228	45082	3.875 ng	#	91
83) Chrysene	14.18	228	44580	4.035 ng	#	95
88) Benzo(b)fluoranthene	15.23	252	44540	5.592 ng	#	72
89) Benzo(k)fluoranthene	15.23	252	44540	5.688 ng	#	71
90) Benzo(a)pyrene	15.63	252	27288	3.723 ng	#	84
92) Benzo(a,h,i)perylene	17.74	276	18082	2.902 ng	#	81

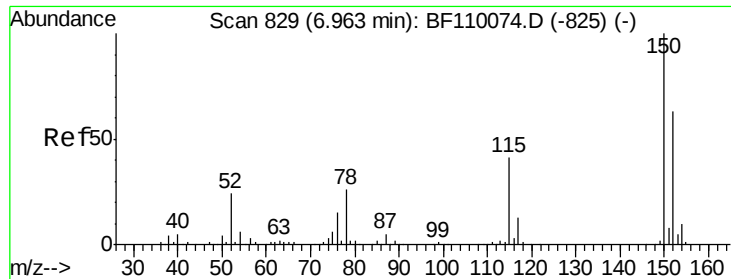
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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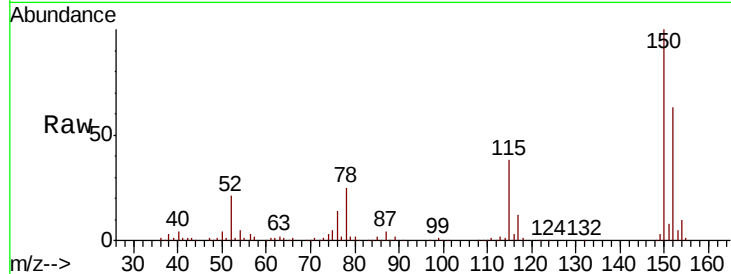


#1

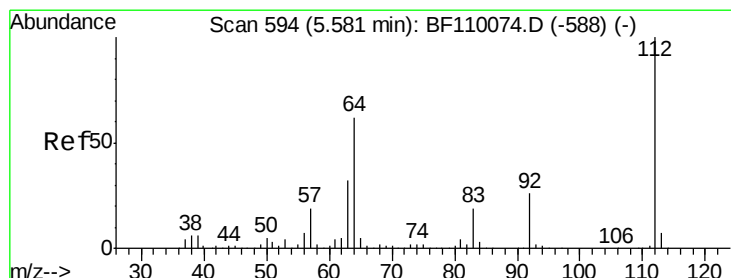
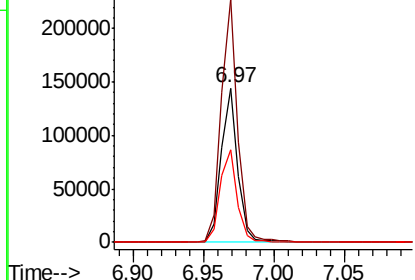
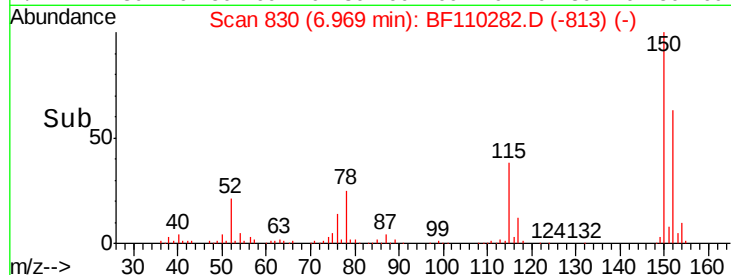
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF110282.D
 Acq: 30 Oct 2018 00:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 118074
 Ion Ratio Lower Upper
 152 100
 150 157.6 122.7 184.1
 115 60.3 49.1 73.7



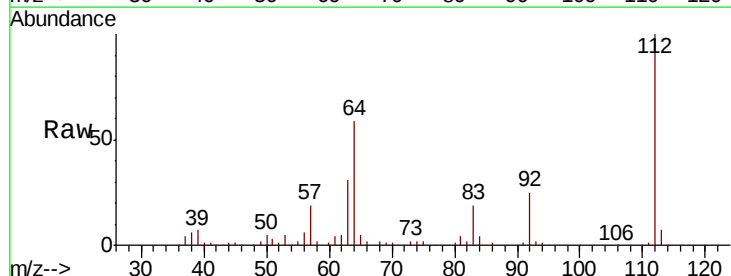
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



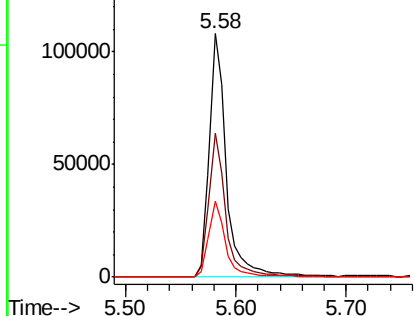
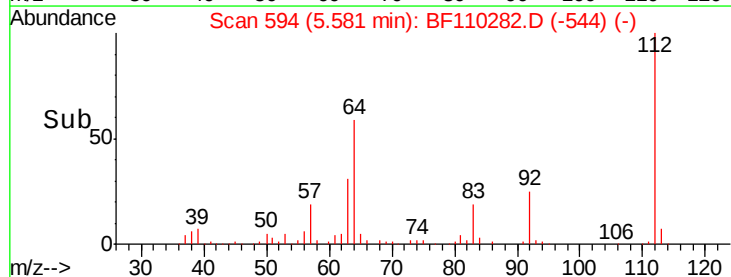
#5

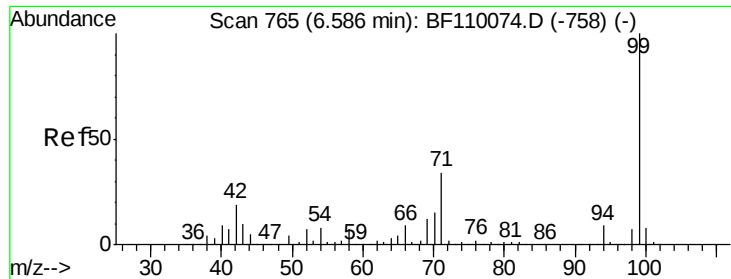
2-Fluorophenol
 Concen: 15.842 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF110282.D
 Acq: 30 Oct 2018 00:27

Tgt Ion:112 Resp: 114864
 Ion Ratio Lower Upper
 112 100
 64 58.9 44.1 66.1
 63 31.4 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: 15.731 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

Instrument :

BNA_F

ClientSampleId :

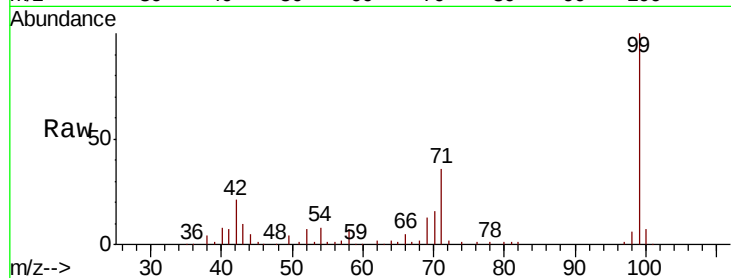
Tot Ion: 99 Resp: 145896

Ion Ratio Lower Upper

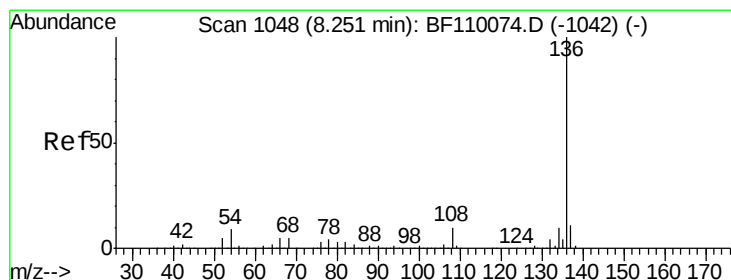
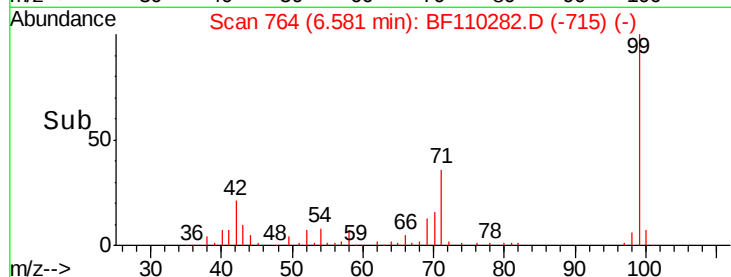
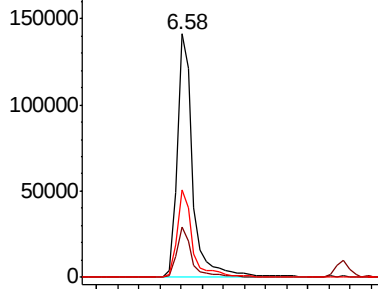
99 100

42 20.7 15.8 23.6

71 35.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

Tgt Ion: 136 Resp: 452094

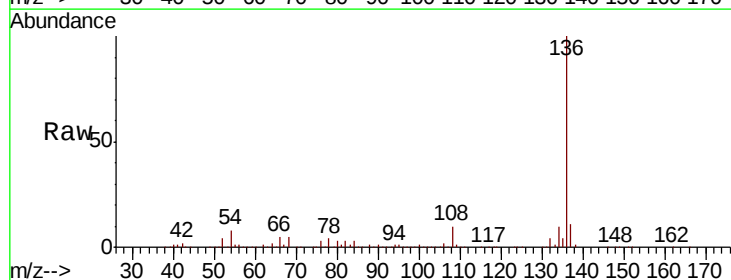
Ion Ratio Lower Upper

136 100

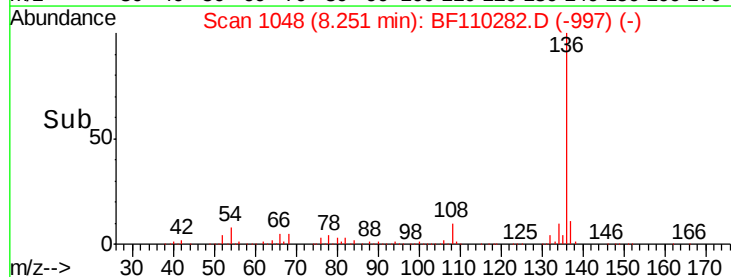
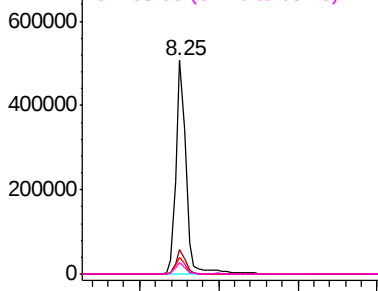
137 11.2 8.8 13.2

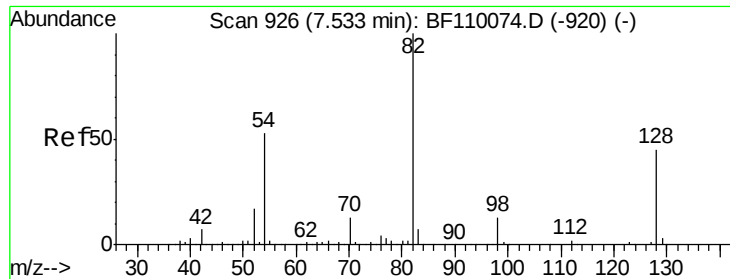
54 7.9 5.4 8.2

68 5.3 4.2 6.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

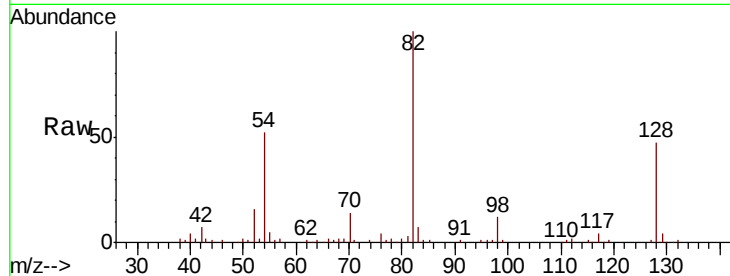




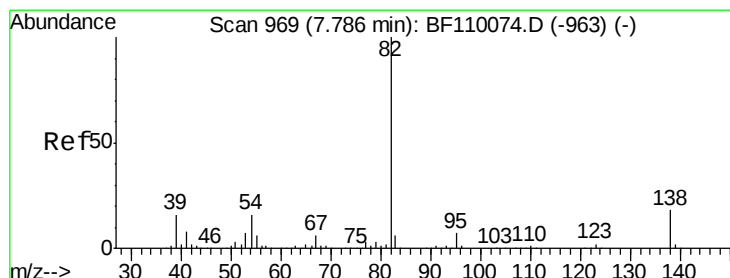
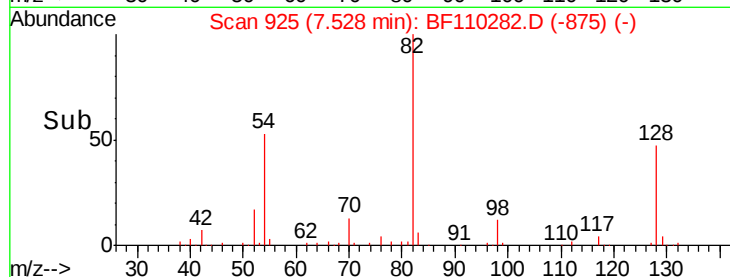
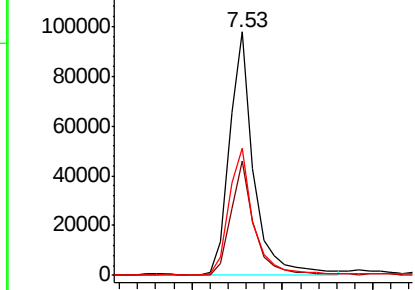
#23
Nitrobenzene-d5
Concen: 11.798 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.2	51.2
54	52.4	38.6	58.0

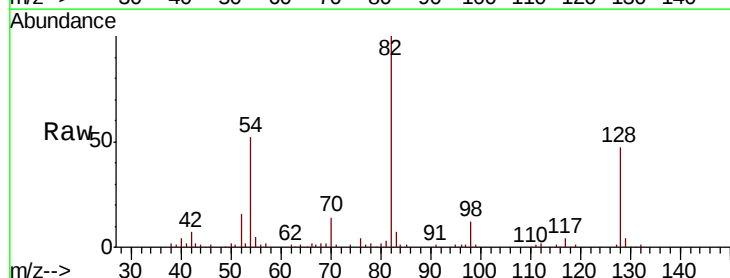


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

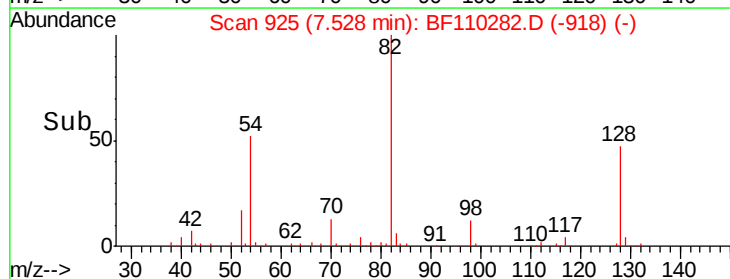
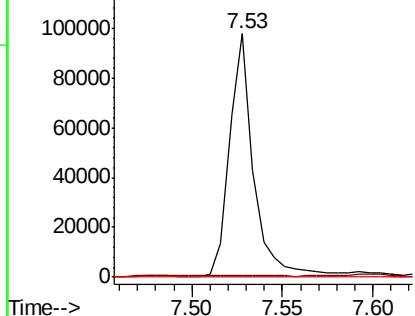


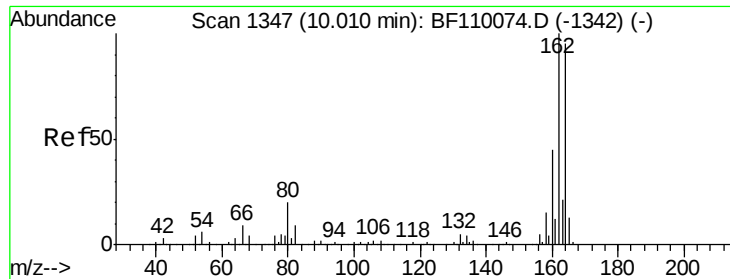
#25
Isophorone
Concen: 6.921 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.26 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.7	5.7	8.5#
138	0.0	13.2	19.8#



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: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

Instrument :

BNA_F

ClientSampled :

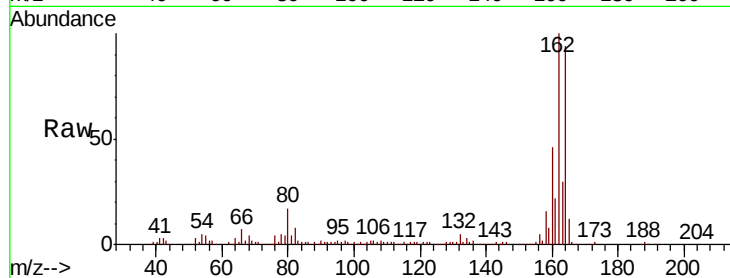
Tot Ion:164 Resp: 180127

Ion Ratio Lower Upper

164 100

162 106.8 83.0 124.6

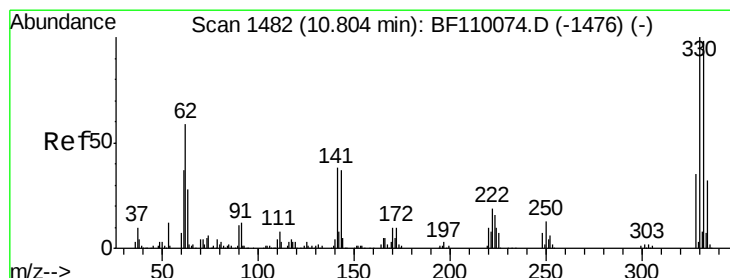
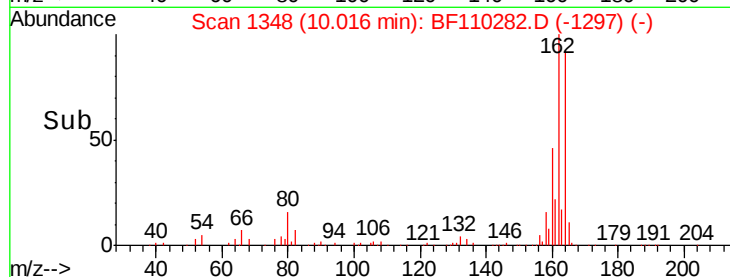
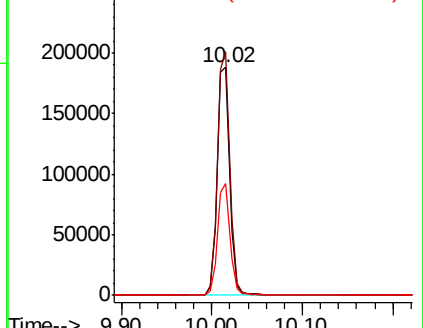
160 49.1 37.0 55.6



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: 11.703 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

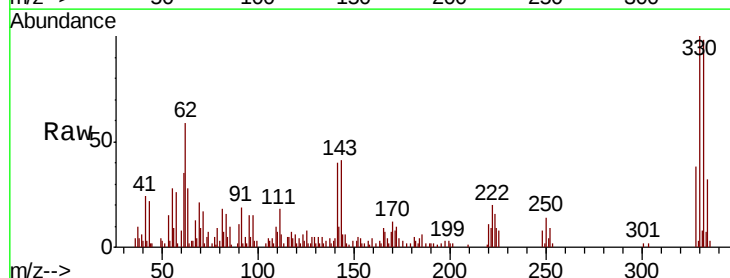
Tgt Ion:330 Resp: 20882

Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

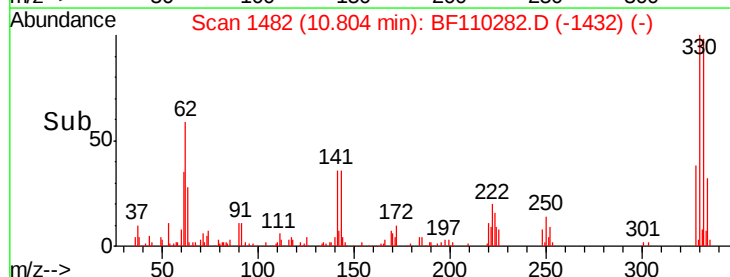
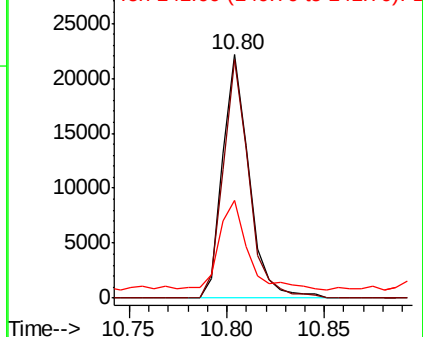
141 40.1 27.0 40.4

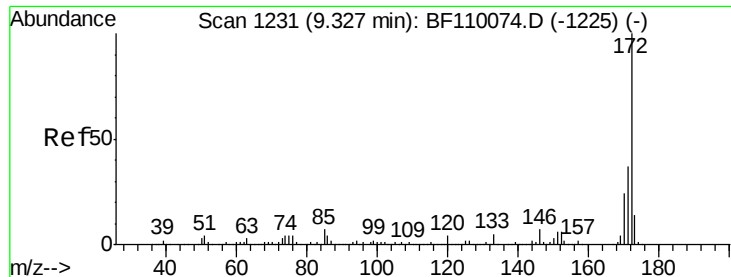


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

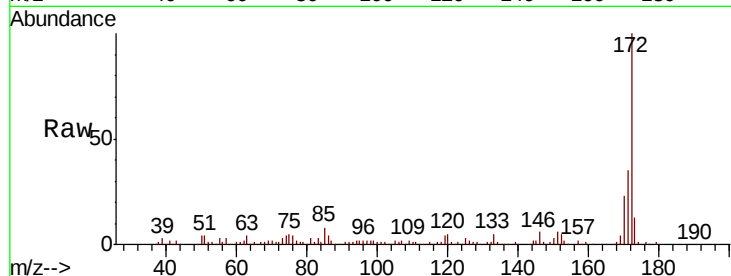




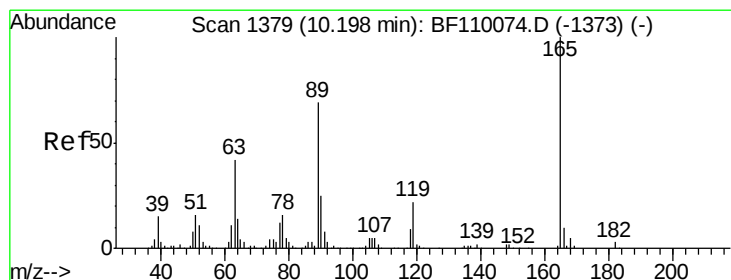
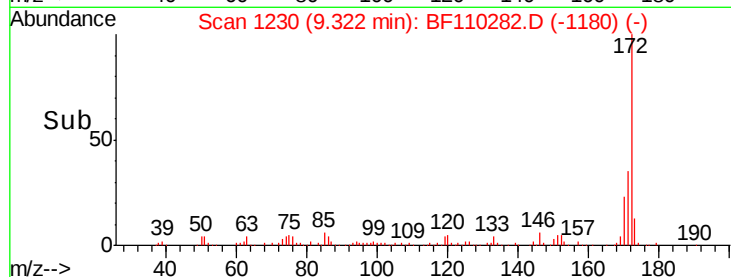
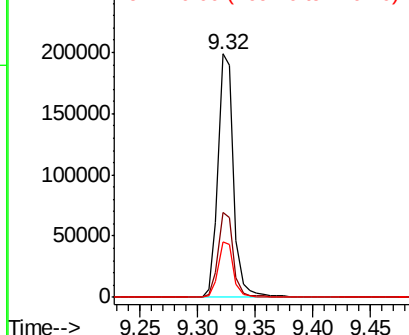
#45
2-Fluorobiphenyl
Concen: 16.385 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 187957
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 22.9 19.7 29.5

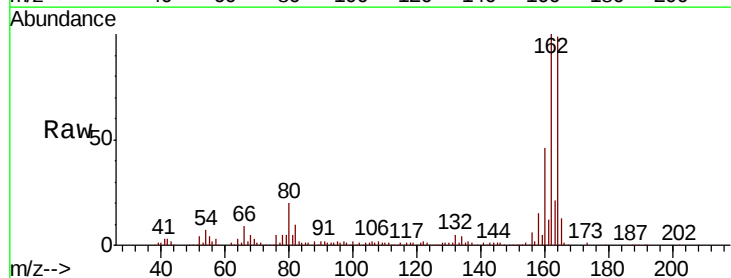


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

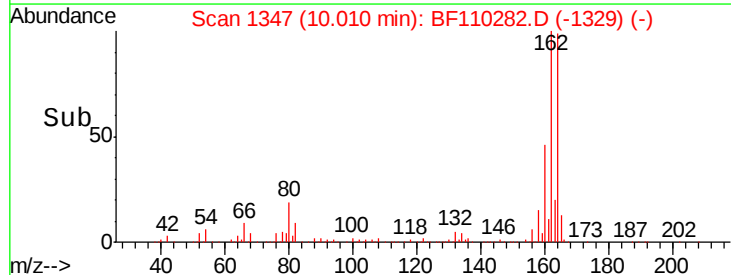
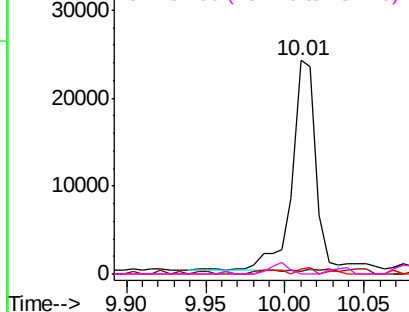


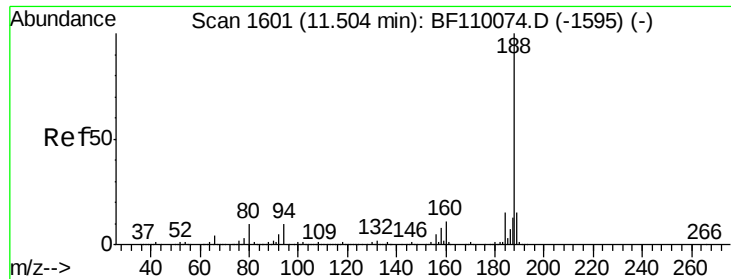
#57
2,4-Dinitrotoluene
Concen: 6.876 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:165 Resp: 25013
Ion Ratio Lower Upper
165 100
63 1.5 44.8 67.2#
89 2.7 62.2 93.4#
182 0.0 2.1 3.1#



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

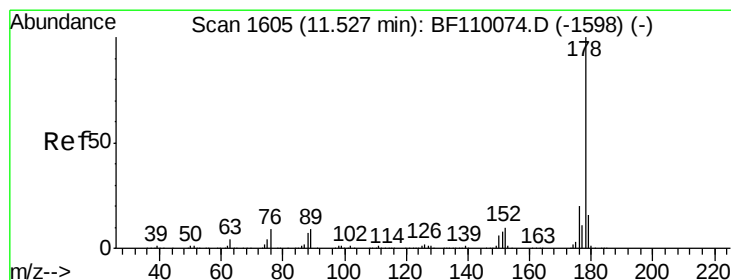
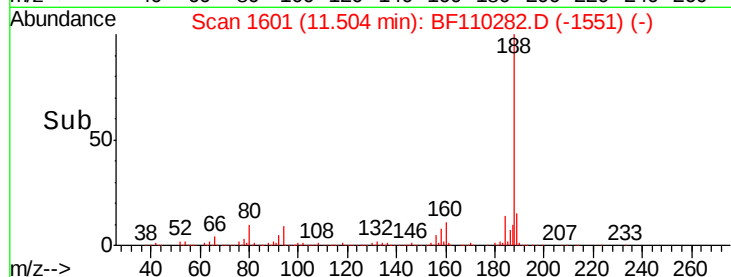
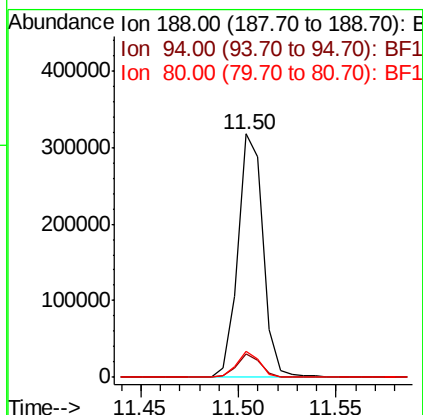
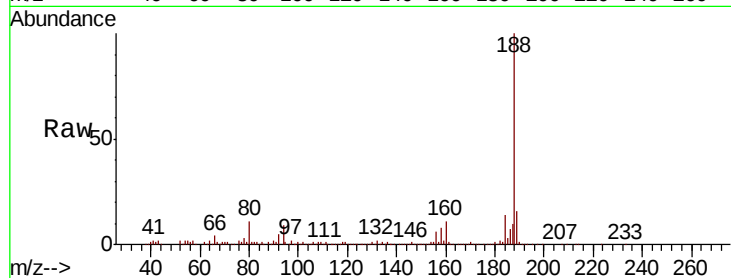




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

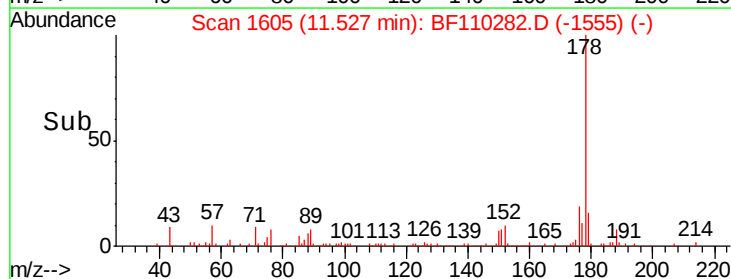
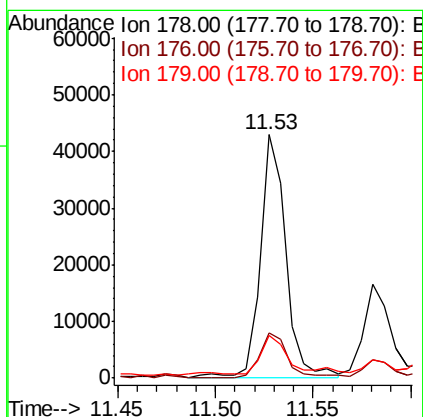
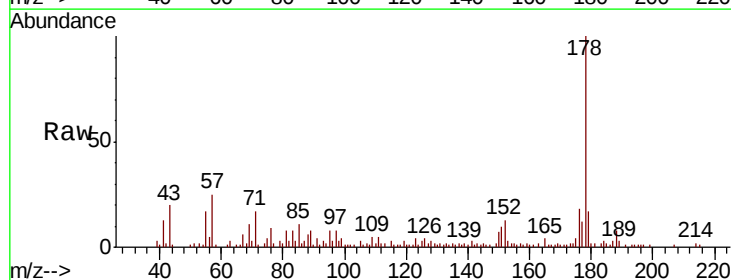
Instrument :
BNA_F
ClientSampleId :

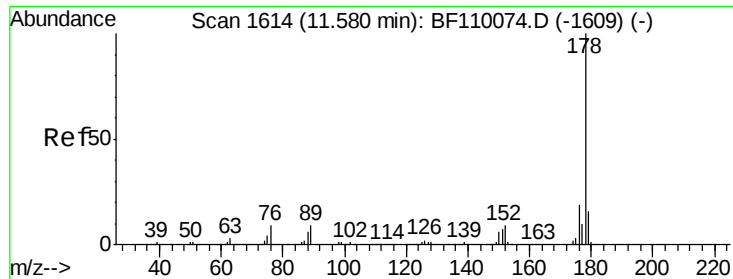
Tot Ion:188 Resp: 283795
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.5 7.9 11.9



#71
Phenanthrene
Concen: 2.629 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:178 Resp: 39045
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 17.3 12.5 18.7





#72

Anthracene

Concen: 2.623 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.06 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

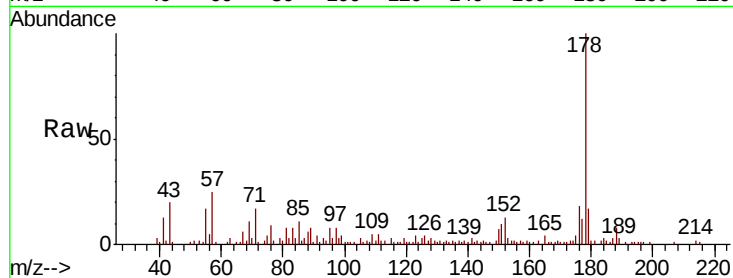
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 39045

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	17.3	12.6	18.8

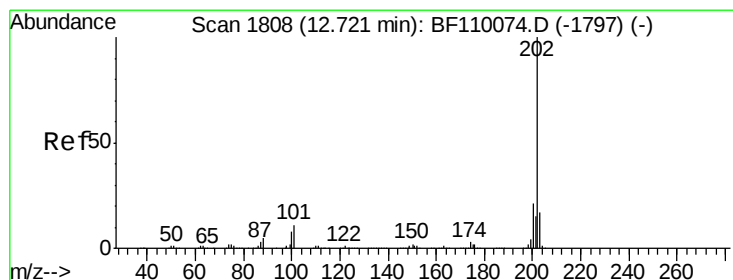
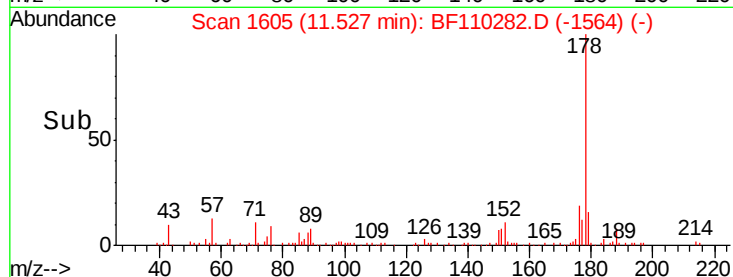
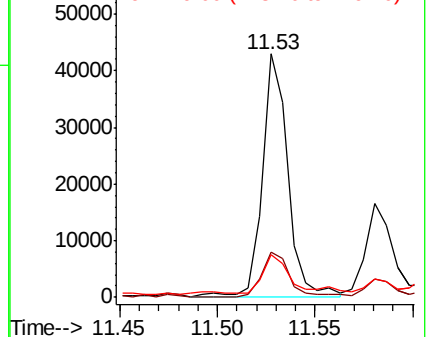


Abundance

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: 4.680 ng

RT: 12.73 min Scan# 1809

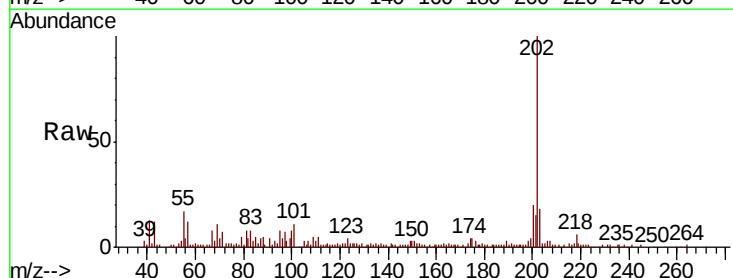
Delta R.T. 0.00 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

Tgt Ion:202 Resp: 70537

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	18.5	0.0	37.7

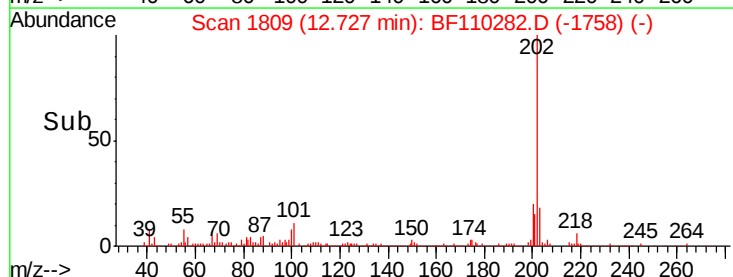
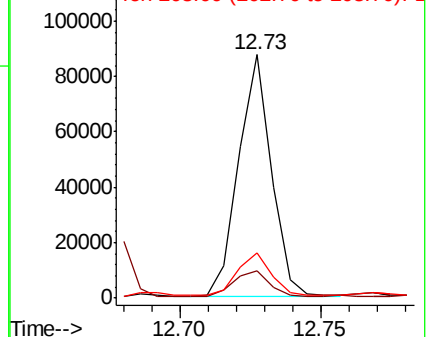


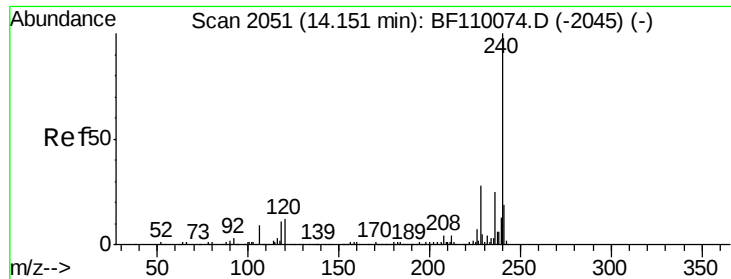
Abundance

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

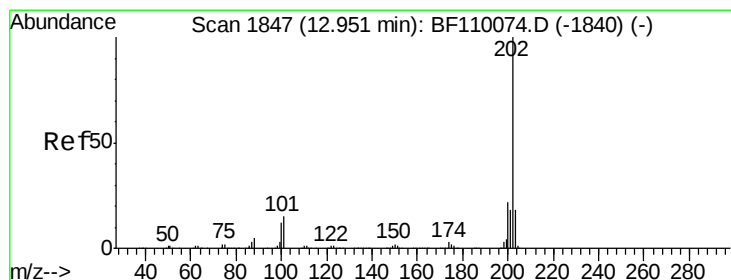
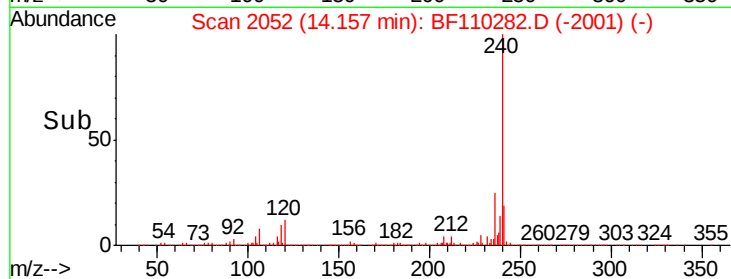
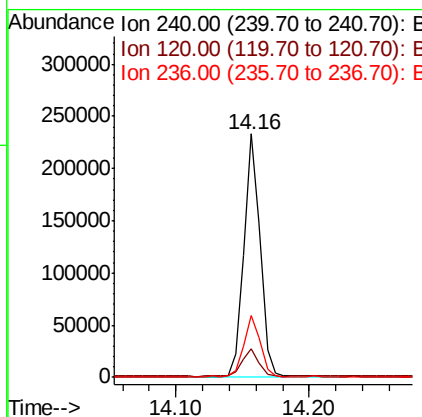
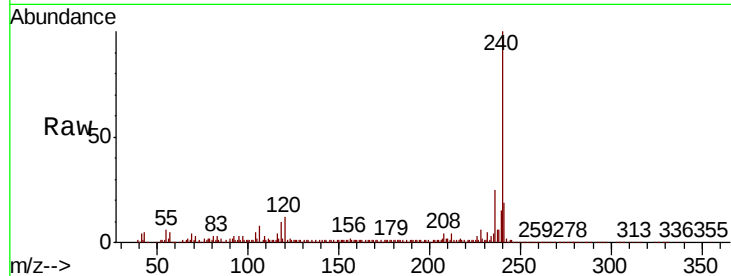




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

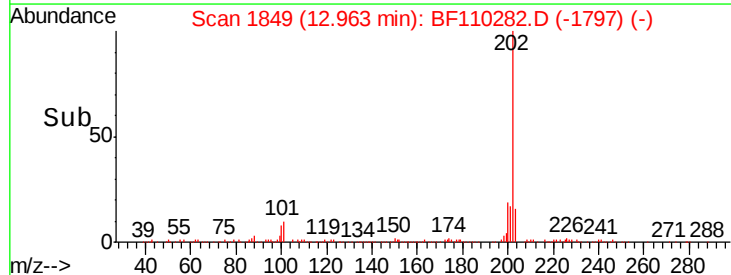
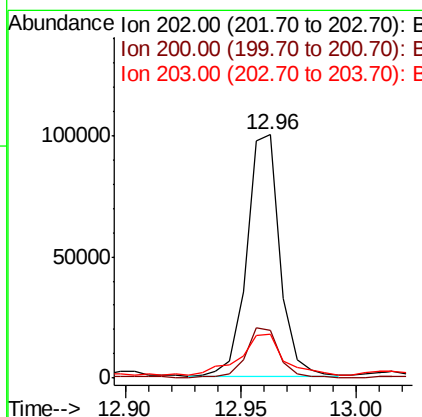
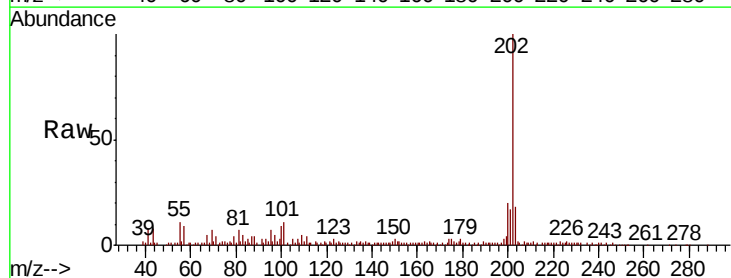
Instrument :
BNA_F
ClientSampleId :

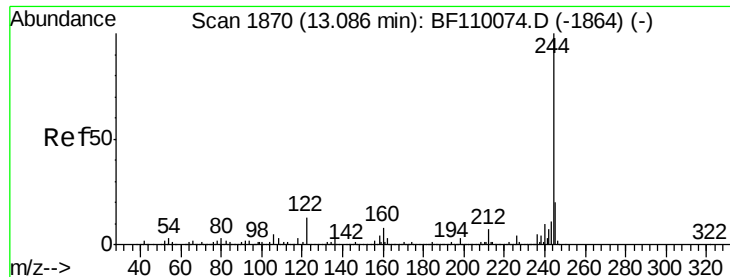
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	25.4	21.2	31.8



#78
Pyrene
Concen: 7.127 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.8	26.6
203	17.8	14.2	21.4





#79

Terphenyl-d14

Concen: 14.750 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

Instrument :

BNA_F

ClientSampleId :

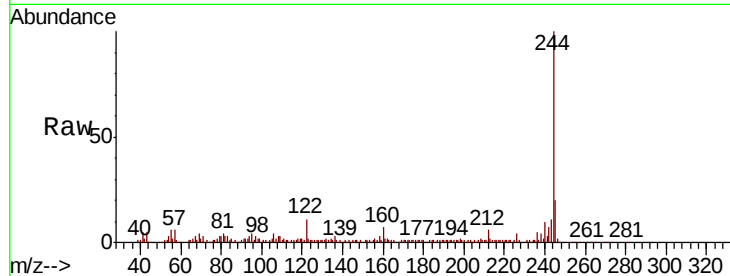
Tot Ion:244 Resp: 139124

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

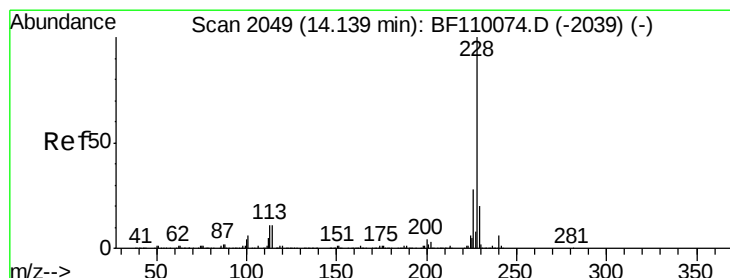
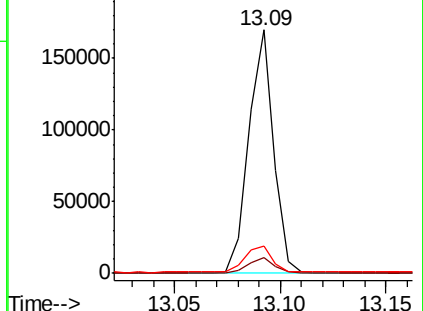
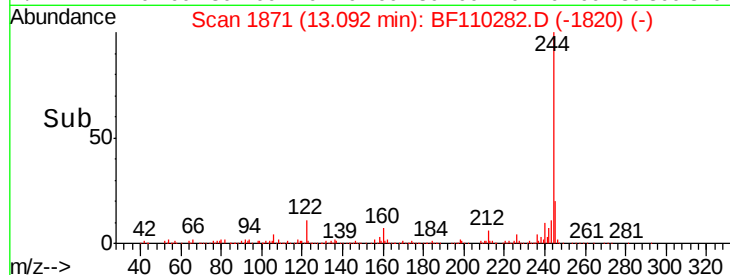
122 11.0 8.7 13.1



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: 3.875 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

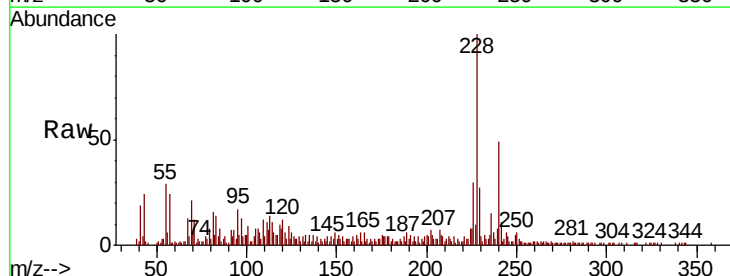
Tgt Ion:228 Resp: 45082

Ion Ratio Lower Upper

228 100

226 29.9 22.1 33.1

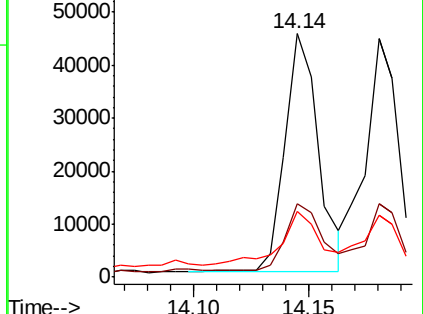
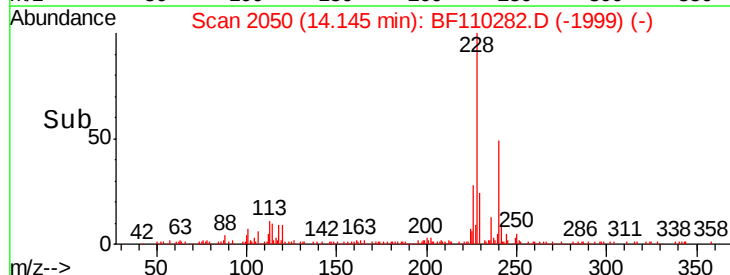
229 26.9 15.6 23.4#

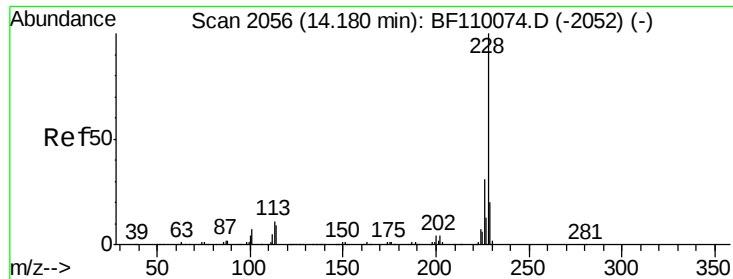


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.035 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

Instrument :

BNA_F

ClientSampleId :

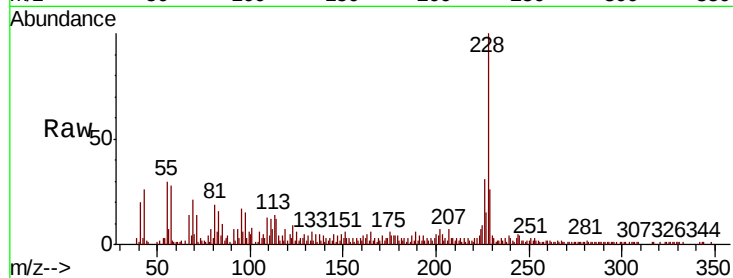
Tot Ion:228 Resp: 44580

Ion Ratio Lower Upper

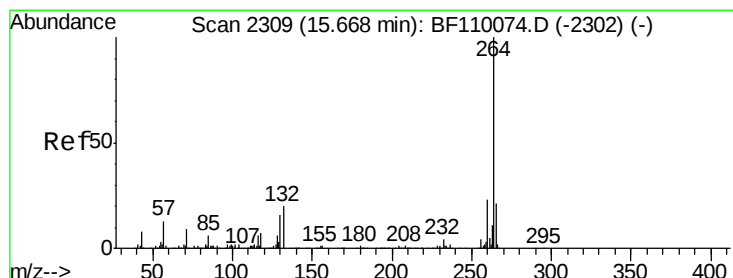
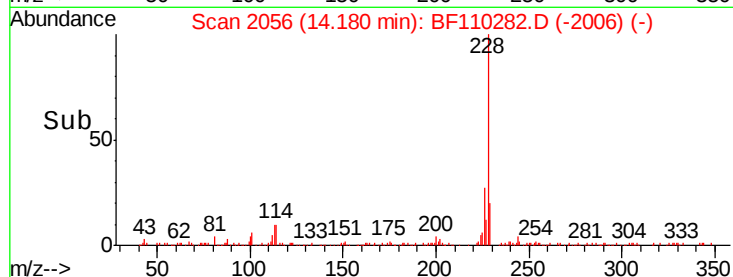
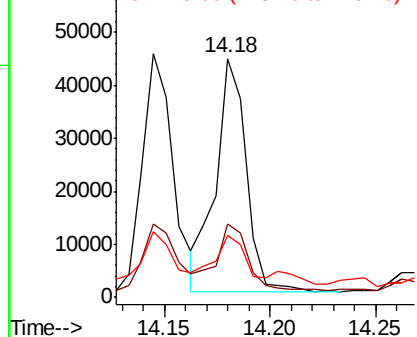
228 100

226 30.6 24.7 37.1

229 25.8 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

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF110282.D

Acq: 30 Oct 2018 00:27

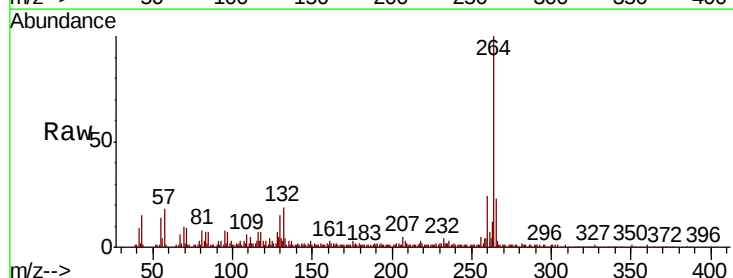
Tgt Ion:264 Resp: 137929

Ion Ratio Lower Upper

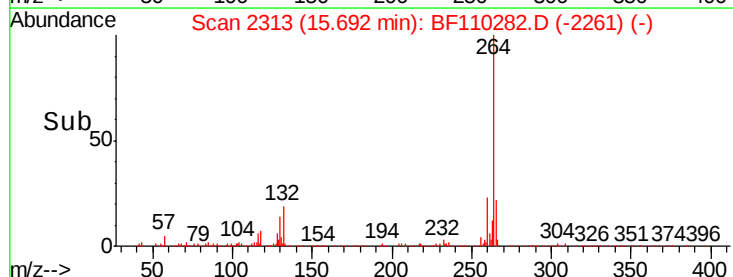
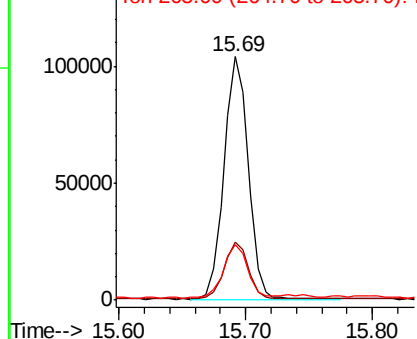
264 100

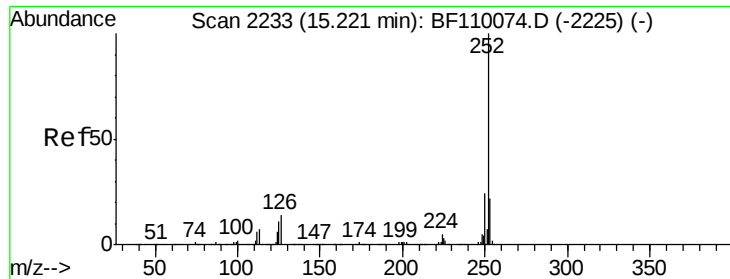
260 23.6 18.7 28.1

265 22.8 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

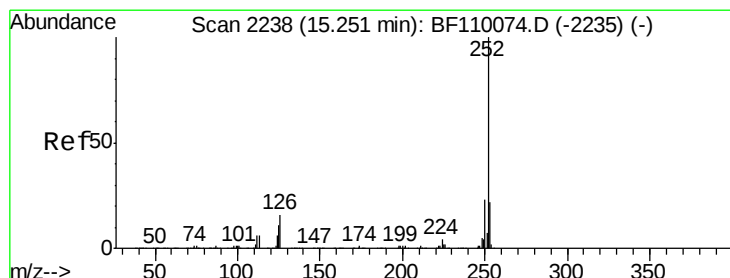
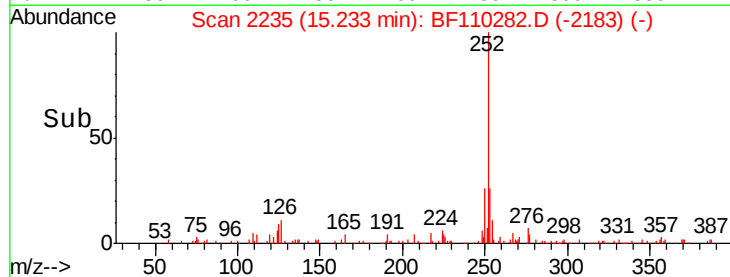
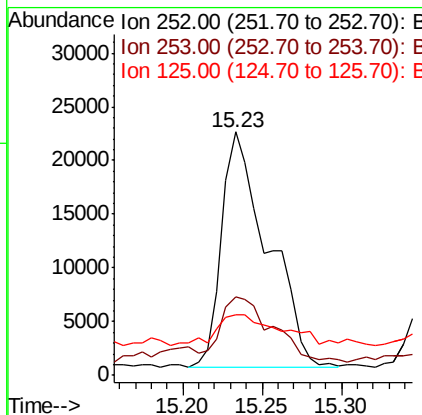
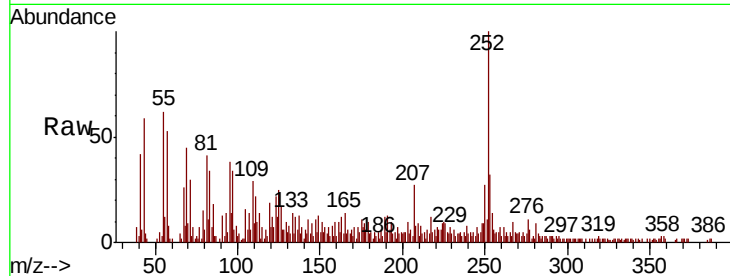




#88
Benzo(b)fluoranthene
Concen: 5.592 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

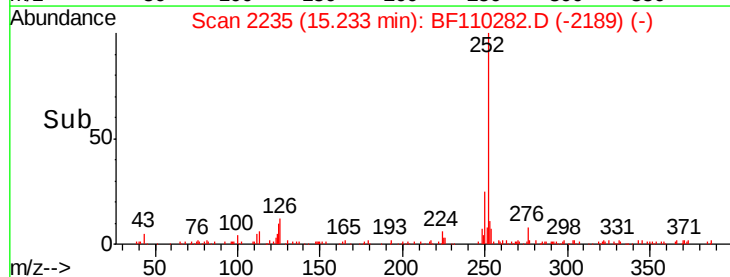
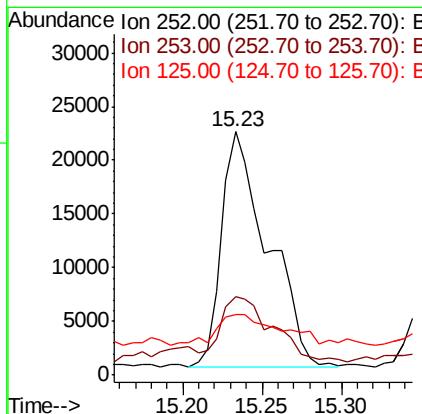
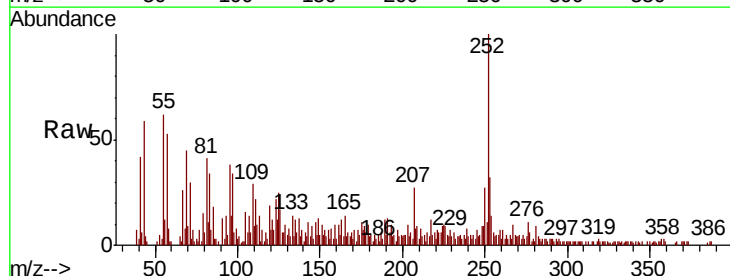
Instrument :
BNA_F
ClientSampleId :

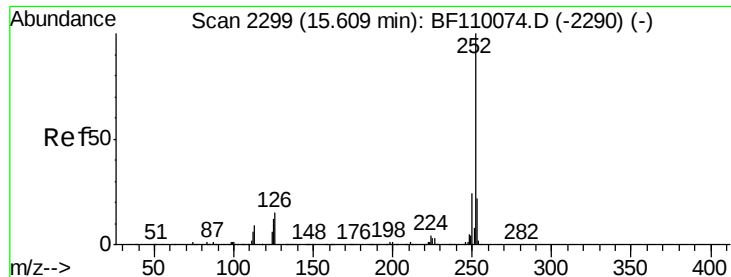
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.2	25.8#
125	24.9	8.2	12.4#



#89
Benzo(k)fluoranthene
Concen: 5.688 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.2	25.8#
125	24.9	7.4	11.0#

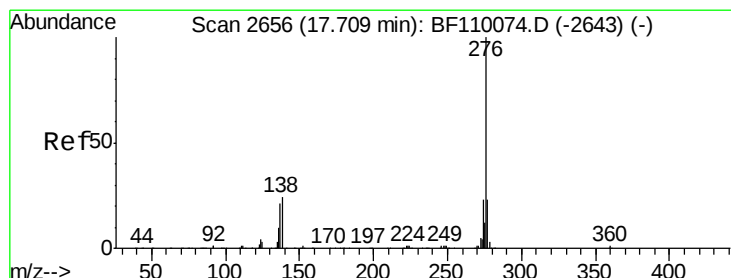
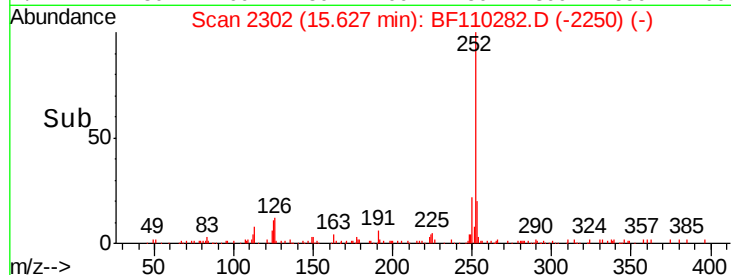
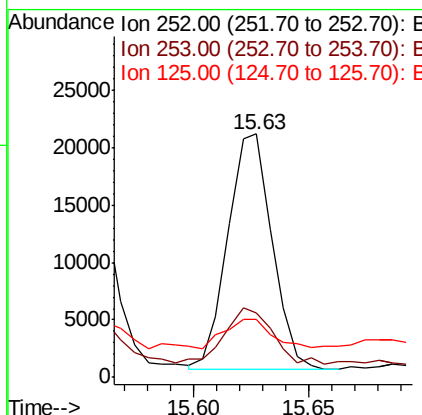
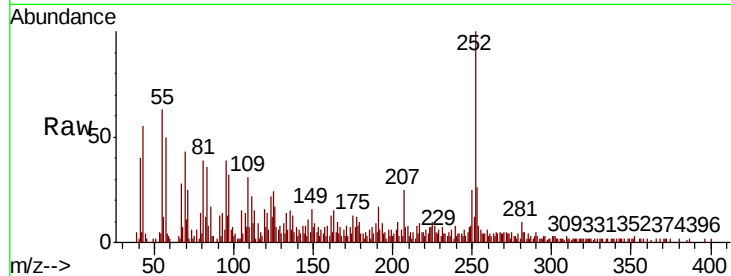




#90
Benzo(a)pyrene
Concen: 3.723 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 27288
Ion Ratio Lower Upper
252 100
253 26.3 18.2 27.4
125 23.9 9.0 13.6#



#92
Benzo(g,h,i)perylene
Concen: 2.902 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:276 Resp: 18082
Ion Ratio Lower Upper
276 100
277 32.5 18.8 28.2#
138 29.0 16.0 24.0#

