

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110279.D
 Acq On : 29 Oct 2018 23:06
 Operator : JU/SJ
 Sample : J5685-08 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 08:05:59 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	108284	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	430767	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	176534	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	269892	20.00	ng	0.00
76) Chrysene-d12	14.16	240	201455	20.00	ng	0.00
87) Perylene-d12	15.69	264	147149	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	149277	22.45	ng	0.00
7) Phenol-d6	6.58	99	186730	21.95	ng	-0.01
23) Nitrobenzene-d5	7.53	82	108156	14.89	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	29891	17.09	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	221121	19.67	ng	0.00
79) Terphenyl-d14	13.09	244	152901	15.78	ng	0.00

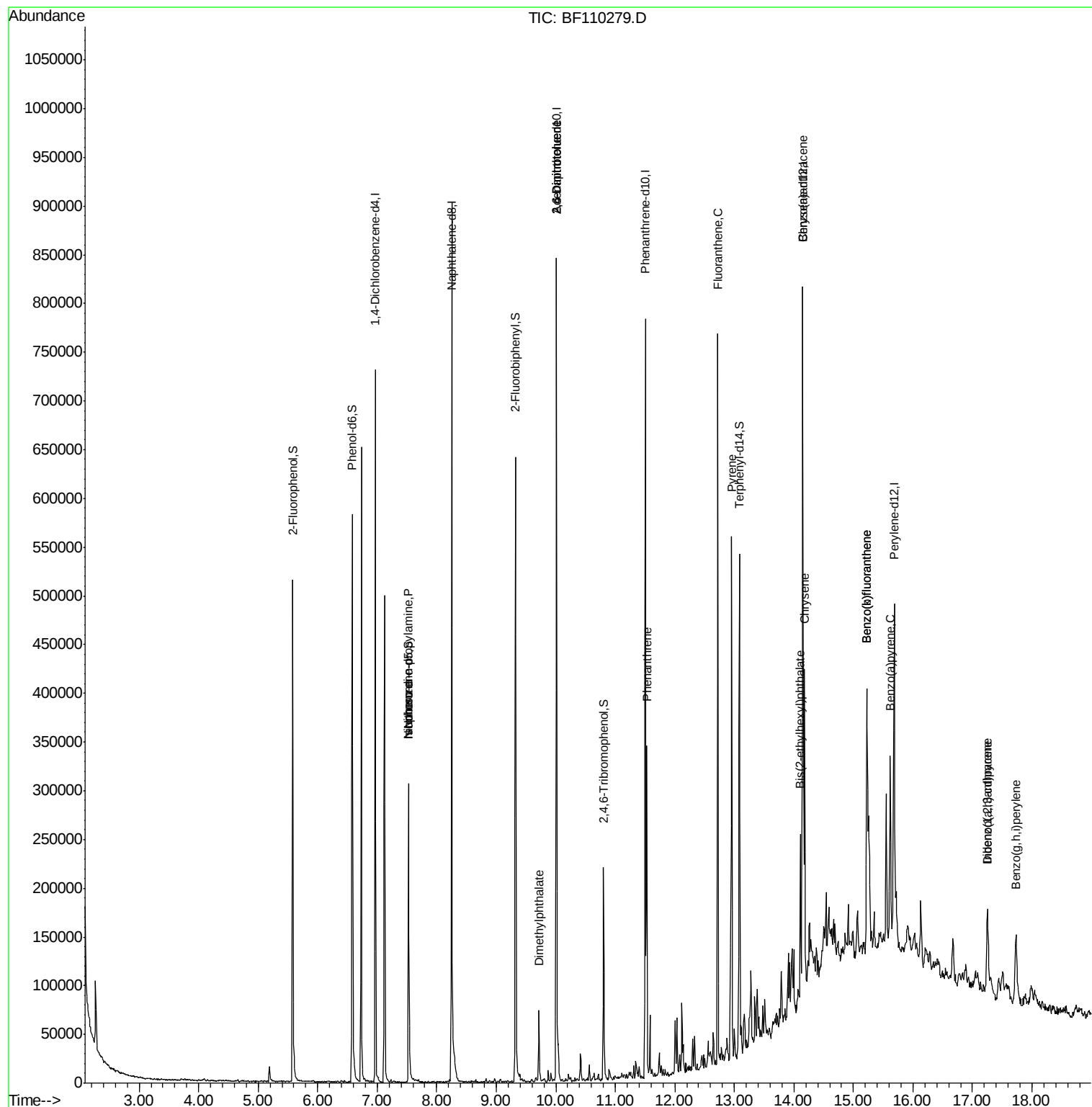
Target Compounds				Qvalue		
9) Benzaldehyde	6.58	77	233	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.53	70	14237	2.609 ng	#	81
25) Isophorone	7.53	82	108173	8.738 ng	#	67
50) Dimethylphthalate	9.72	163	35277	2.707 ng		97
51) 2,6-Dinitrotoluene	10.01	165	21941	7.817 ng	#	23
57) 2,4-Dinitrotoluene	10.01	165	21941	6.154 ng	#	19
71) Phenanthrene	11.53	178	121350	8.593 ng		98
75) Fluoranthene	12.72	202	275034	19.190 ng		99
77) Benzidine	13.09	184	2149	Below Cal		97
78) Pyrene	12.96	202	234895	16.264 ng		98
81) Benzo(a)anthracene	14.14	228	118561	9.924 ng		99
83) Chrysene	14.18	228	125387	11.050 ng		98
84) Bis(2-ethylhexyl)phthalate	14.11	149	42469	5.012 ng		96
86) Indeno(1,2,3-cd)pyrene	17.25	276	55057	5.849 ng		97
88) Benzo(b)fluoranthene	15.23	252	184827	21.751 ng		98
89) Benzo(k)fluoranthene	15.23	252	184827	22.125 ng	#	97
90) Benzo(a)pyrene	15.62	252	88721	11.347 ng		98
91) Dibenzo(a,h)anthracene	17.26	278	13574	2.012 ng	#	88
92) Benzo(a,h,i)perylene	17.73	276	56450	8.491 ng		96

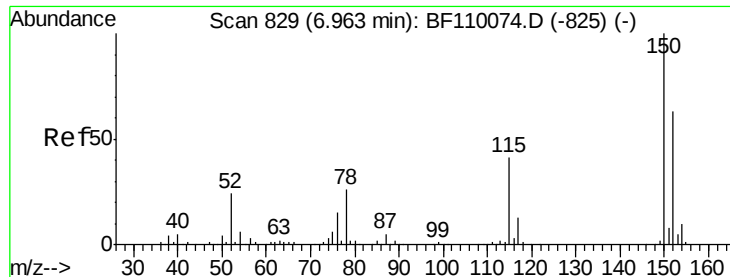
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110279.D
Acq On : 29 Oct 2018 23:06
Operator : JU/SJ
Sample : J5685-08 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Oct 30 08:05:59 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



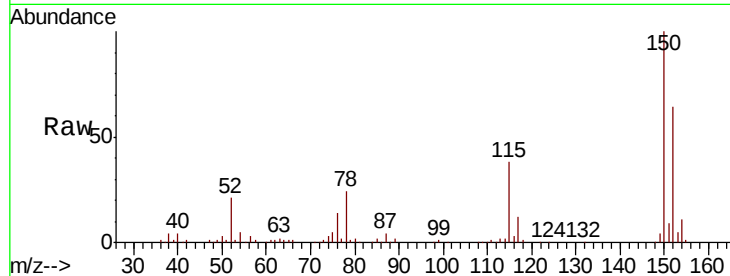


#1

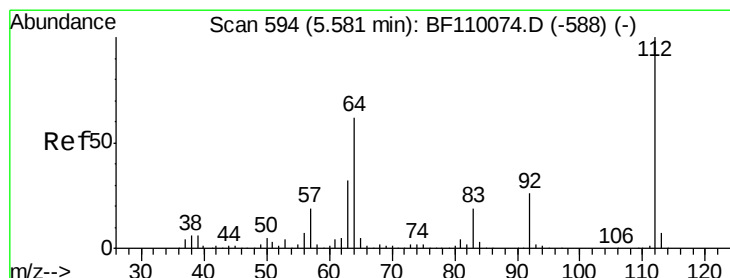
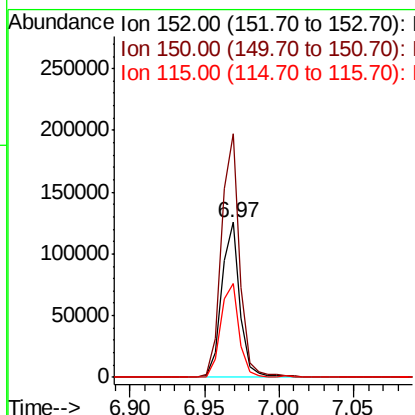
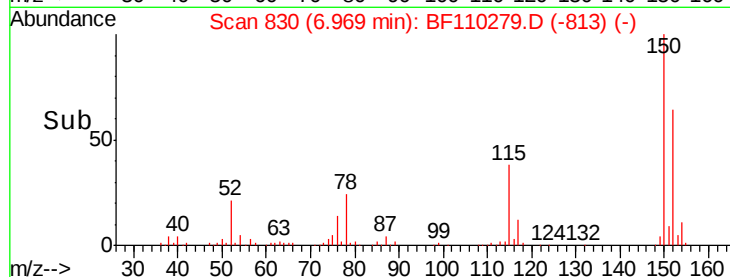
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 108284
Ion Ratio Lower Upper
152 100
150 157.3 122.7 184.1
115 60.3 49.1 73.7



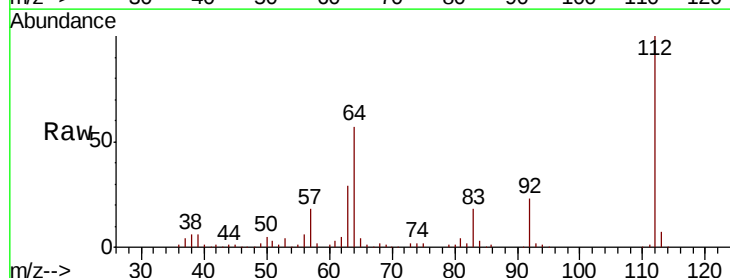
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



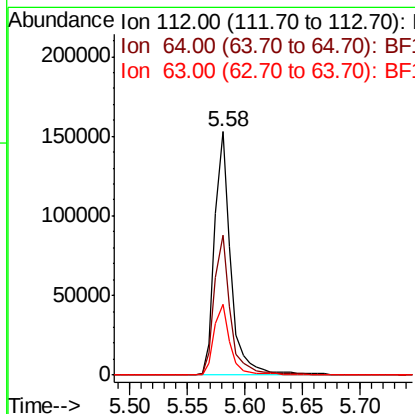
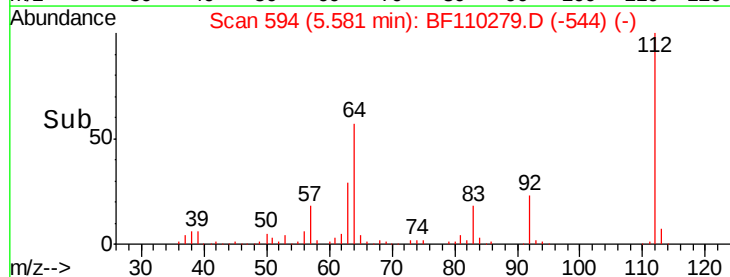
#5

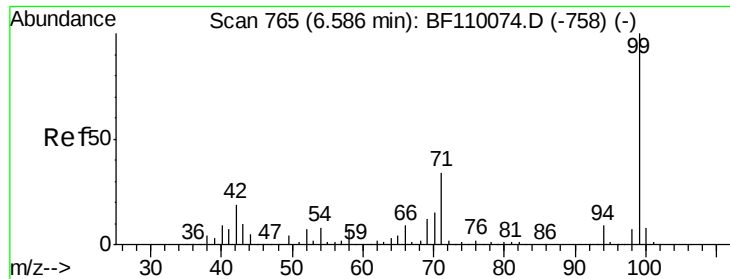
2-Fluorophenol
Concen: 22.449 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

Tgt Ion:112 Resp: 149277
Ion Ratio Lower Upper
112 100
64 57.2 44.1 66.1
63 29.1 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: 21.955 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

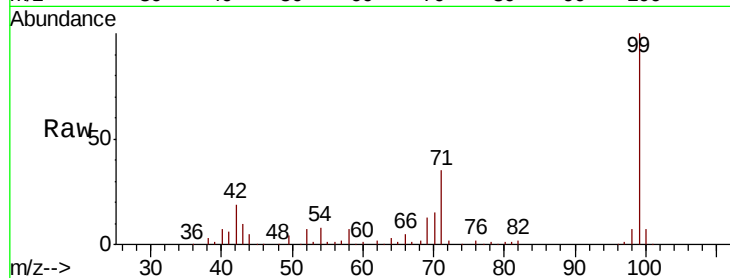
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 186730

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.8	23.6
71	34.8	28.0	42.0

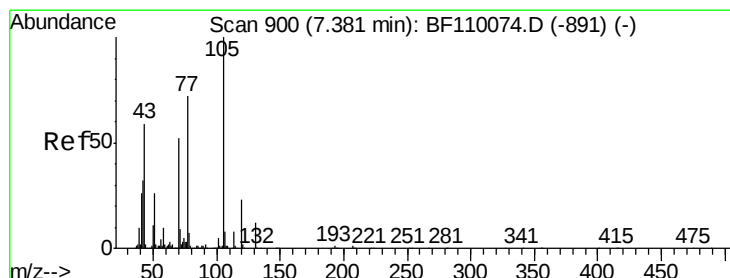
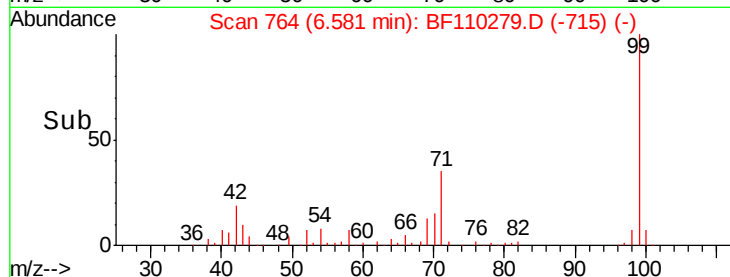
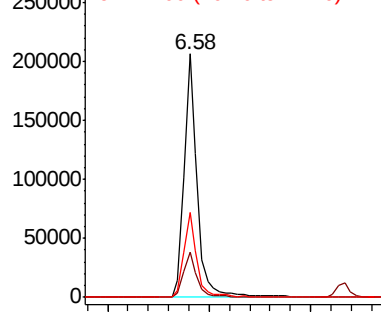


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 2.609 ng

RT: 7.53 min Scan# 925

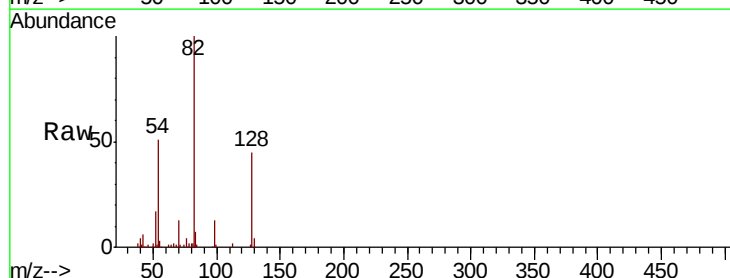
Delta R.T. 0.15 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

Tgt Ion: 70 Resp: 14237

Ion	Ratio	Lower	Upper
70	100		
42	50.3	47.4	71.2
101	0.0	7.3	10.9#
130	2.5	16.2	24.2#



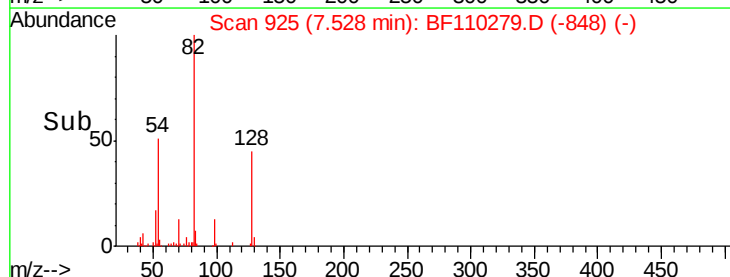
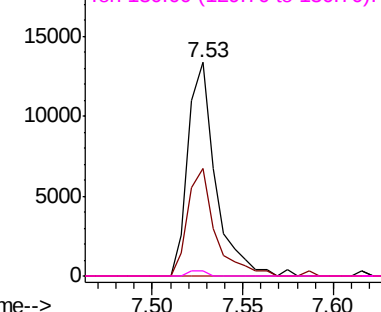
Abundance

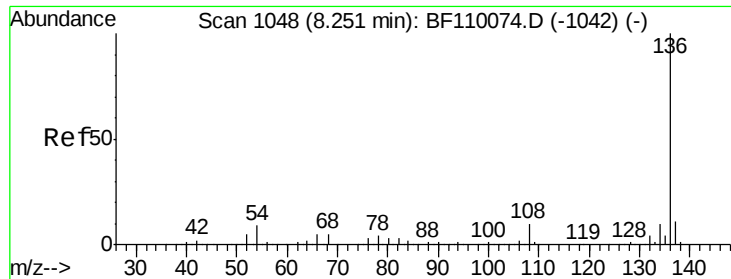
Ion 70.00 (69.70 to 70.70): BF1

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

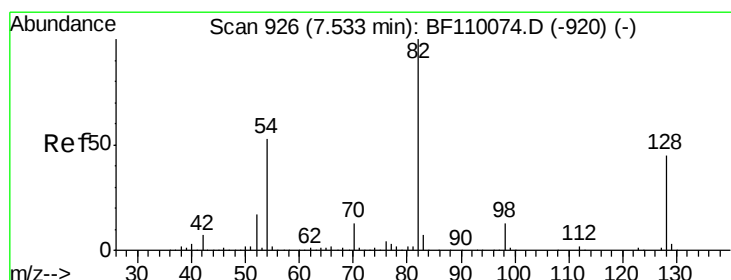
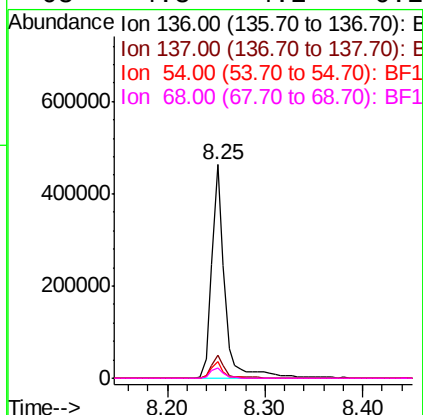
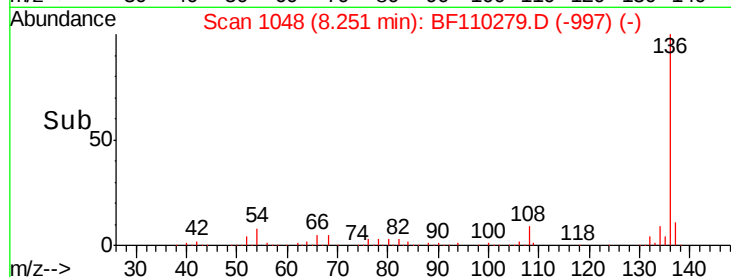
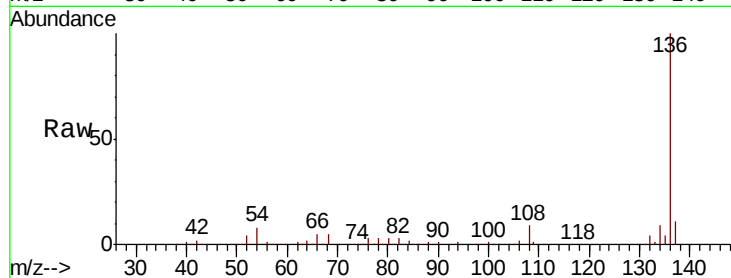




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

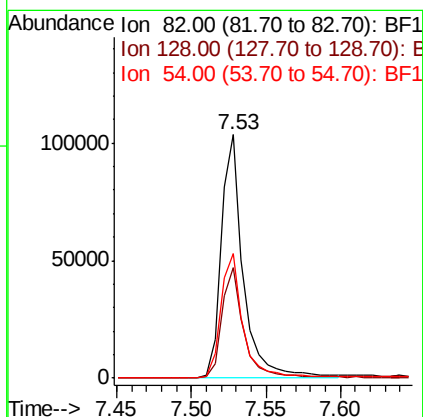
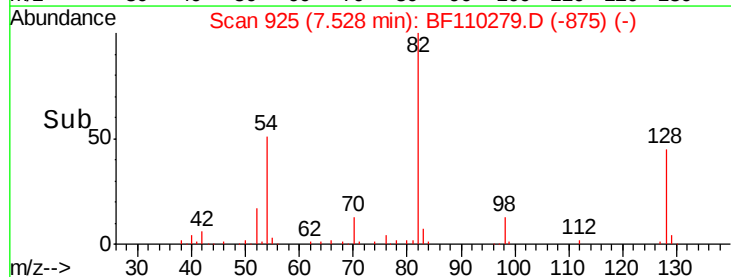
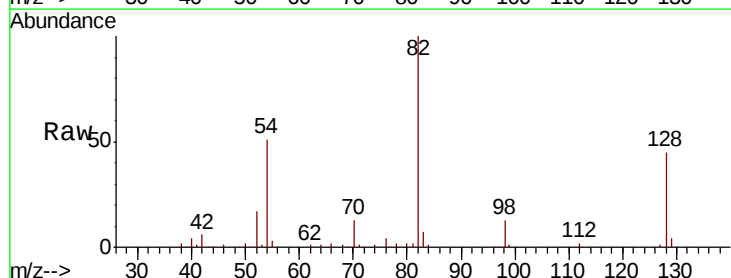
Instrument :
BNA_F
ClientSampleId :

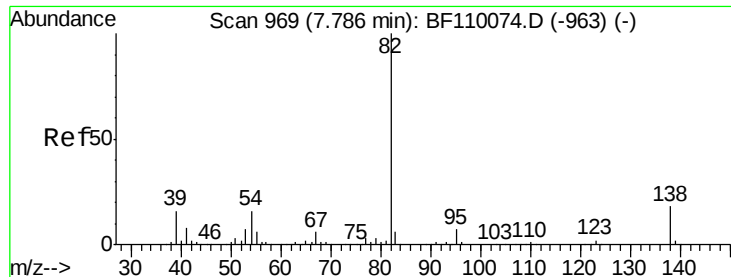
Tot Ion:136	Resp:	430767
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.8 13.2
54	7.6	5.4 8.2
68	4.8	4.2 6.2



#23
Nitrobenzene-d5
Concen: 14.892 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

Tgt Ion: 82	Resp:	108156
Ion Ratio	Lower	Upper
82	100	
128	45.1	34.2 51.2
54	51.4	38.6 58.0





#25

Isophorone

Concen: 8.738 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

Instrument :

BNA_F

ClientSampled :

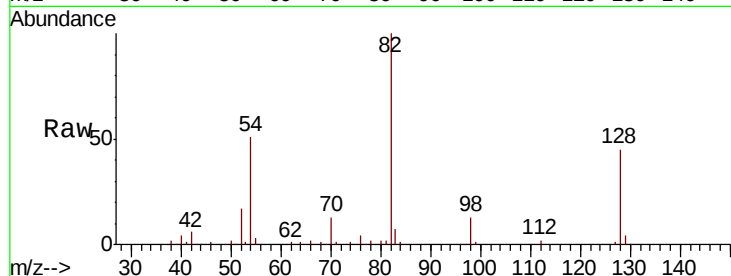
Tot Ion: 82 Resp: 108173

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

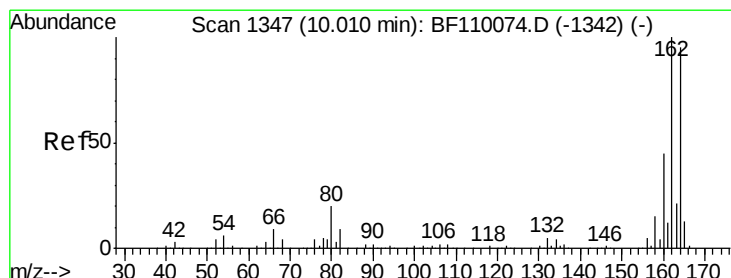
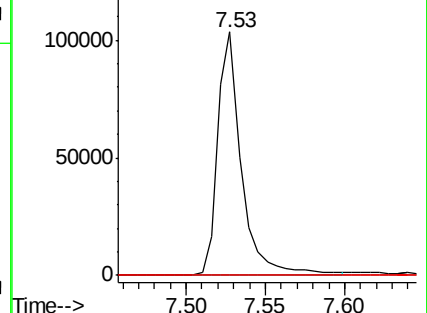
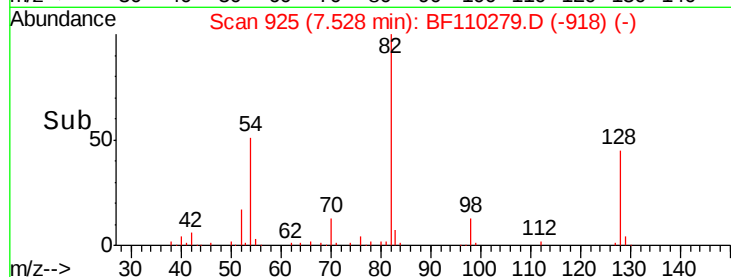
138 0.0 13.2 19.8#



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: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

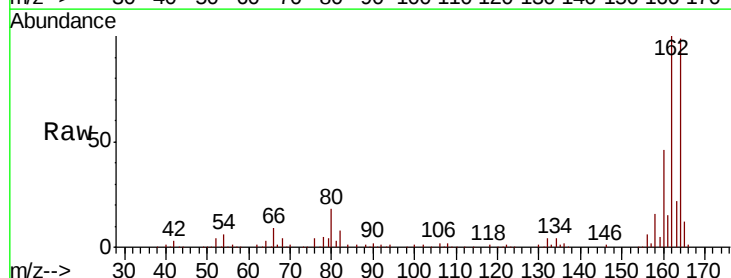
Tgt Ion: 164 Resp: 176534

Ion Ratio Lower Upper

164 100

162 100.7 83.0 124.6

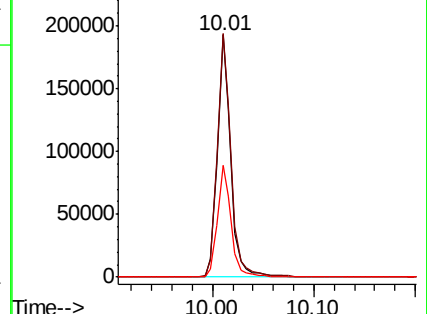
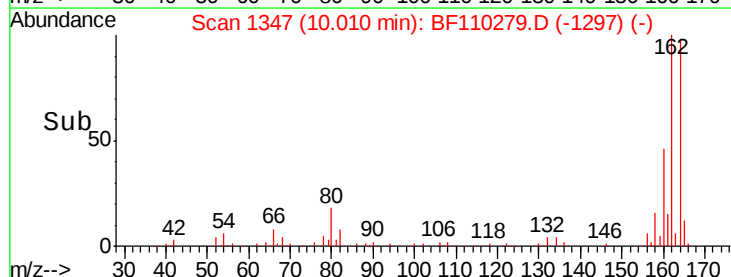
160 46.1 37.0 55.6

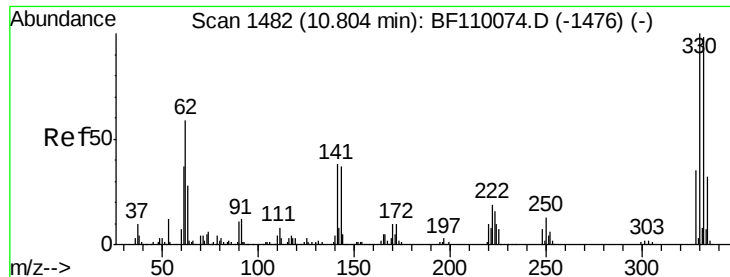


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 17.093 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

Instrument :

BNA_F

ClientSampleId :

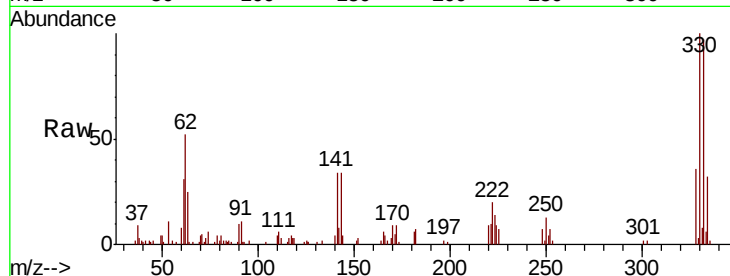
Tot Ion:330 Resp: 29891

Ion Ratio Lower Upper

330 100

332 94.5 77.1 115.7

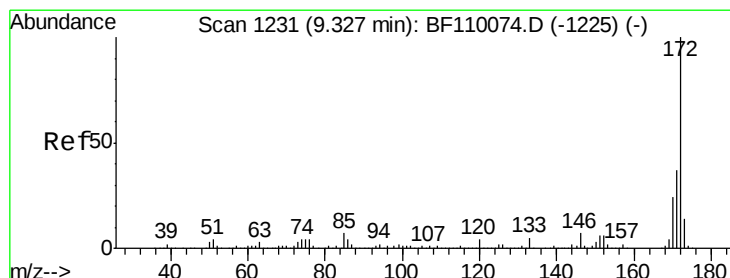
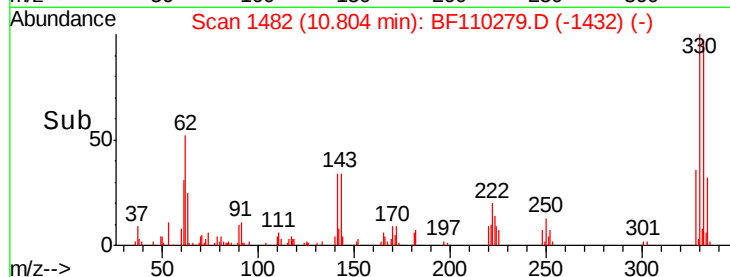
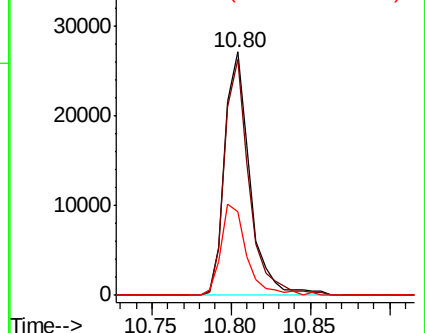
141 38.3 27.0 40.4



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: 19.669 ng

RT: 9.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

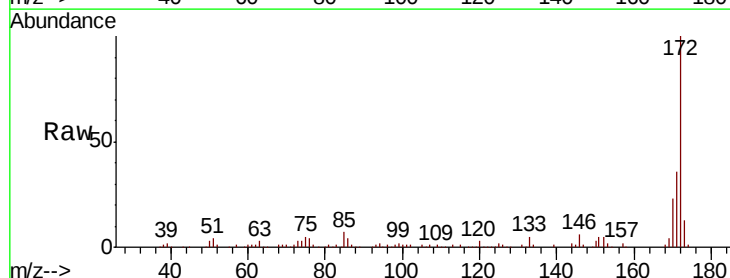
Tgt Ion:172 Resp: 221121

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

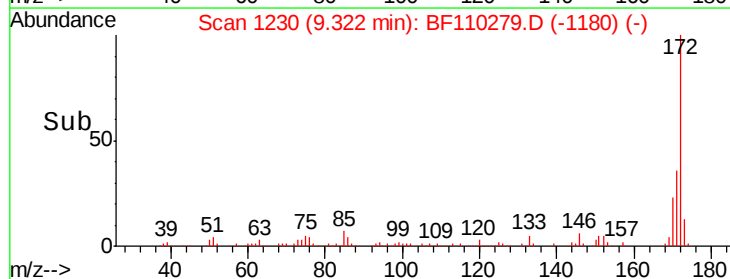
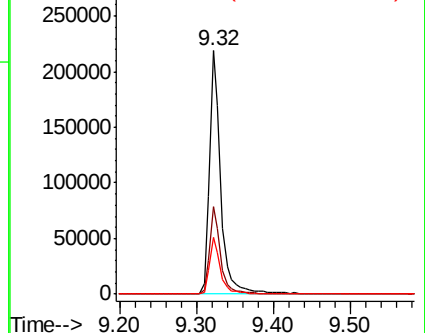
170 23.4 19.7 29.5

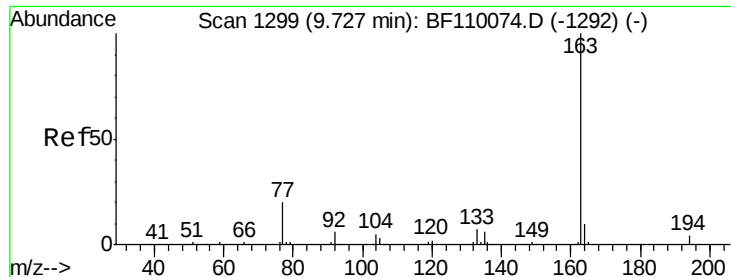


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.707 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

Instrument :

BNA_F

ClientSampleId :

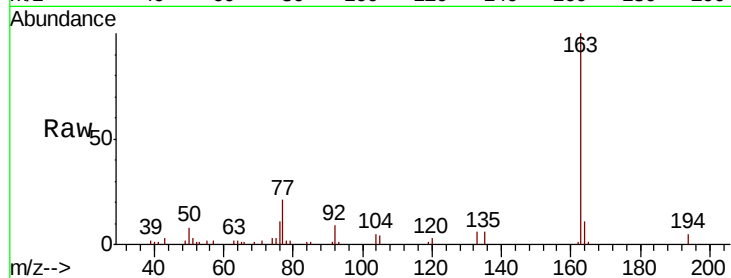
Tot Ion:163 Resp: 35277

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

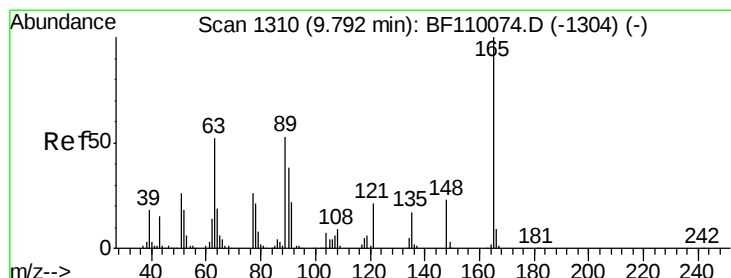
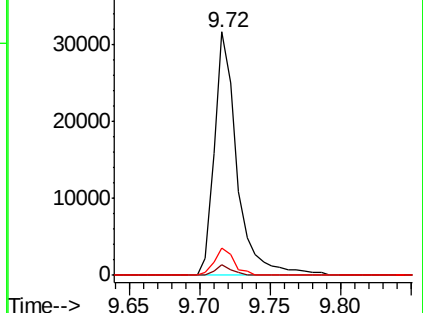
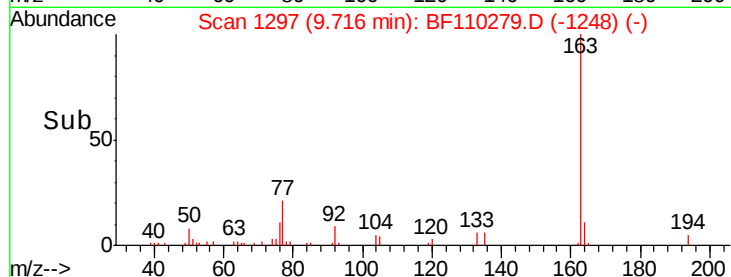
164 11.4 8.1 12.1



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: 7.817 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

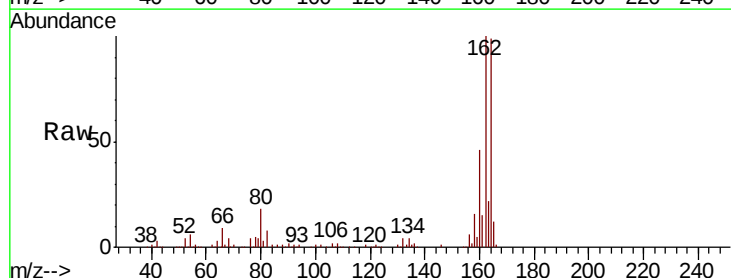
Tgt Ion:165 Resp: 21941

Ion Ratio Lower Upper

165 100

63 1.7 48.9 73.3#

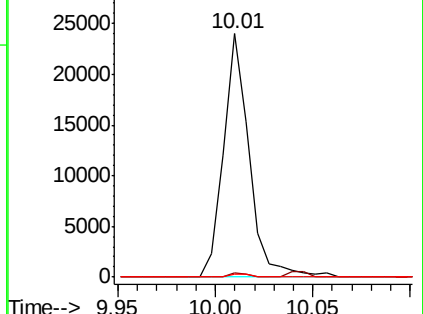
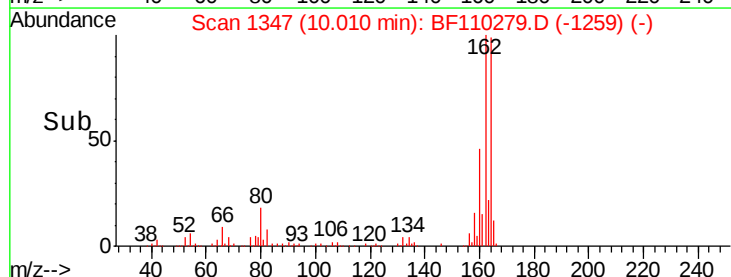
89 1.3 46.6 69.8#

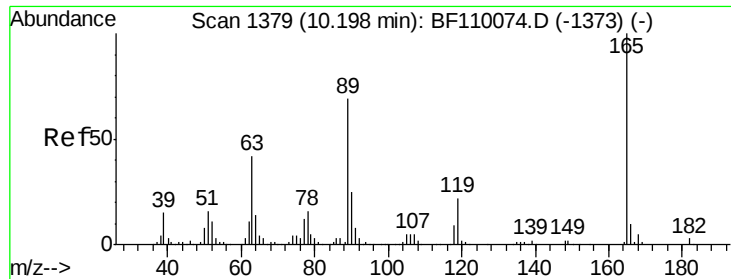


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

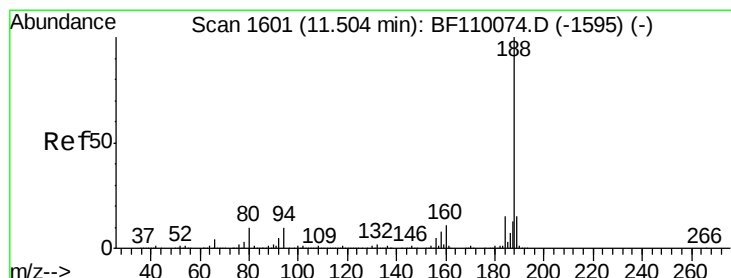
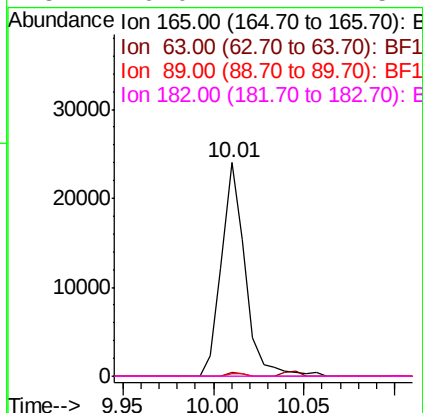
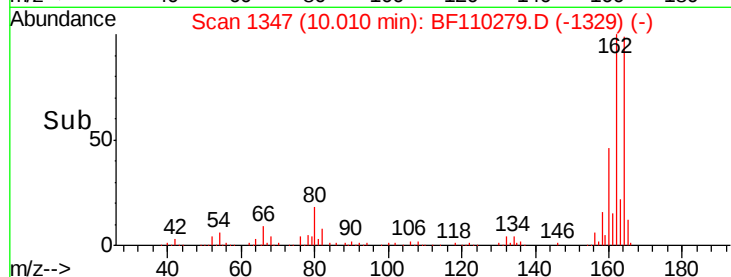
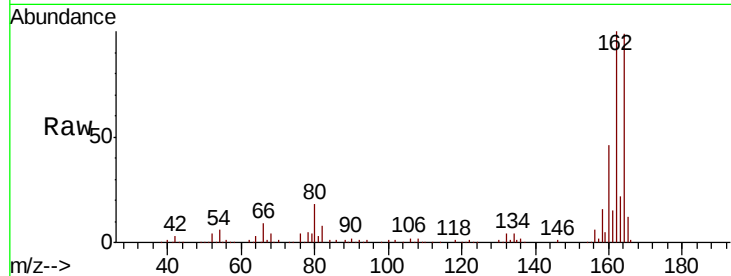




#57
2,4-Dinitrotoluene
Concen: 6.154 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

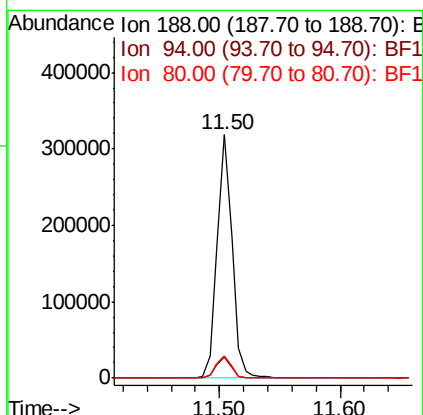
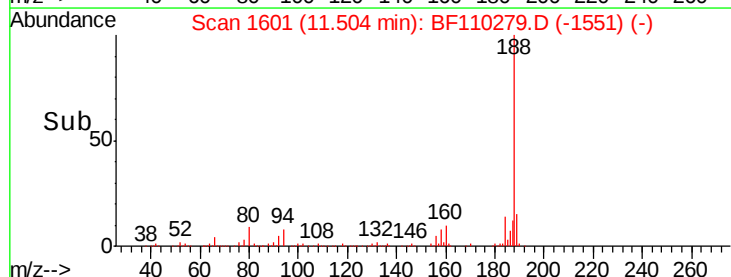
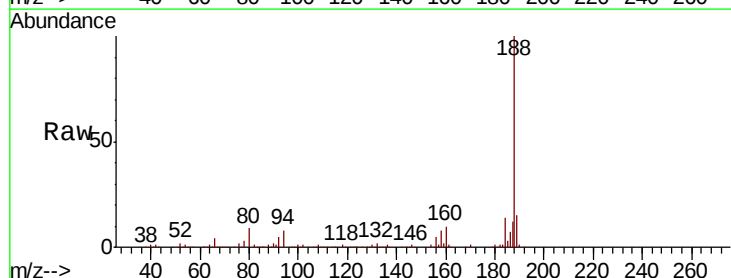
Instrument :
BNA_F
ClientSampleId :

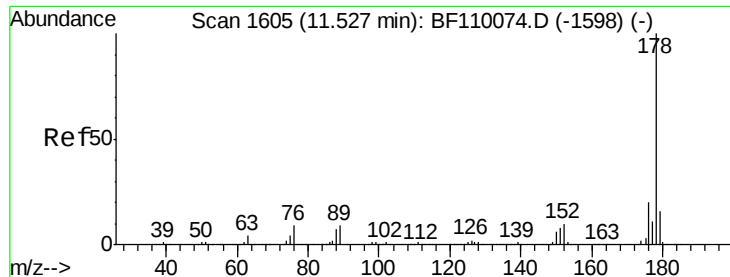
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.8	67.2#
89	1.3	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.2	10.8
80	9.0	7.9	11.9





#71

Phenanthrene

Concen: 8.593 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

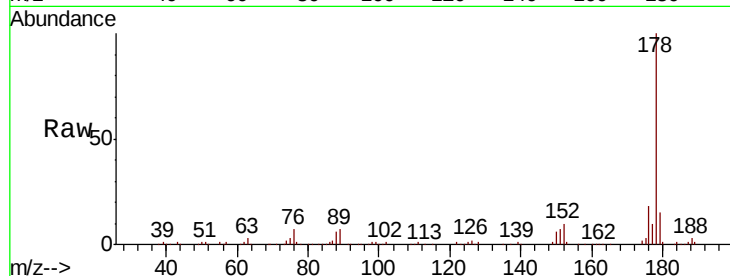
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 121350

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	14.5	12.5	18.7

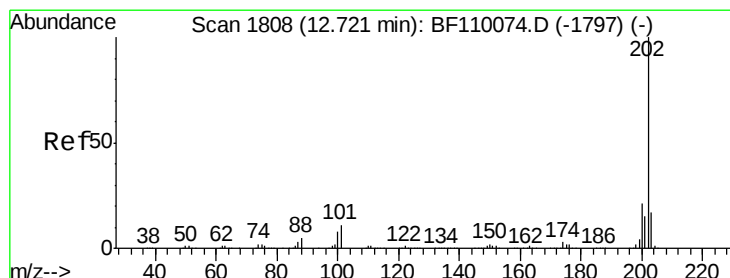
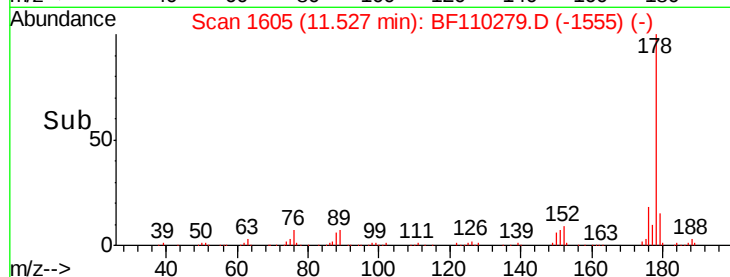
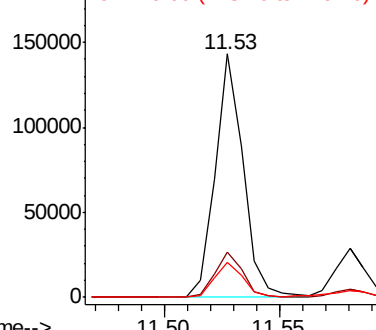


Abundance

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: 19.190 ng

RT: 12.72 min Scan# 1808

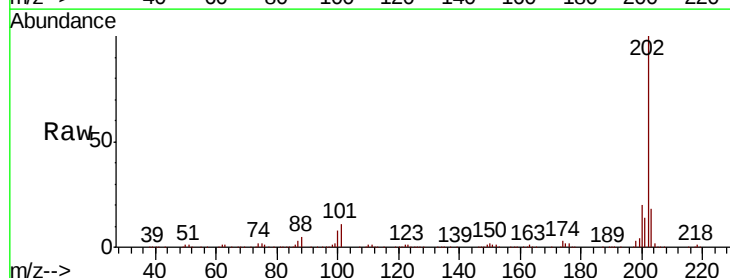
Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

Tgt Ion:202 Resp: 275034

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	18.1	0.0	37.7

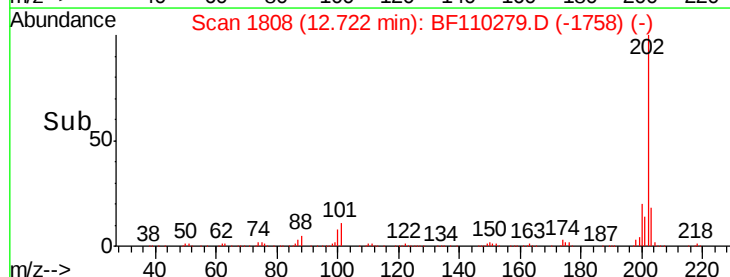
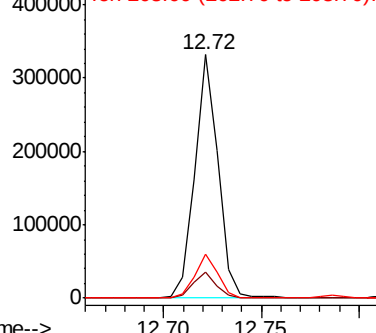


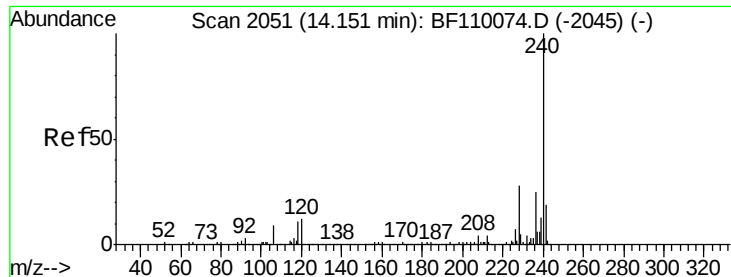
Abundance

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

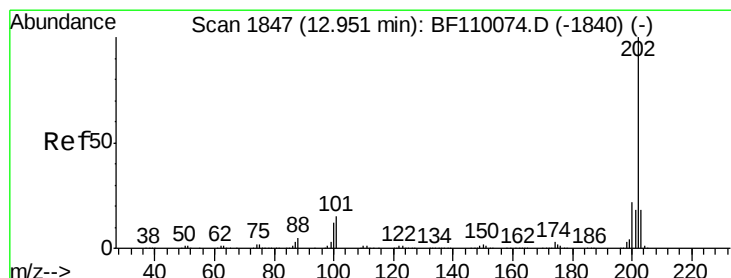
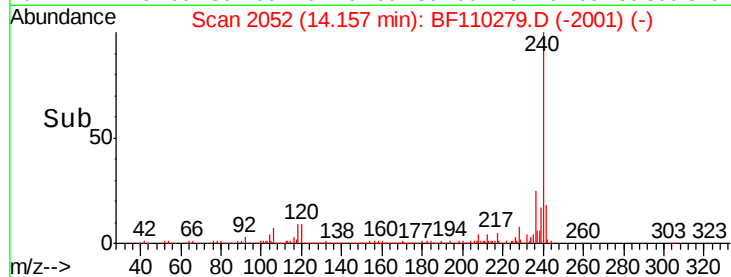
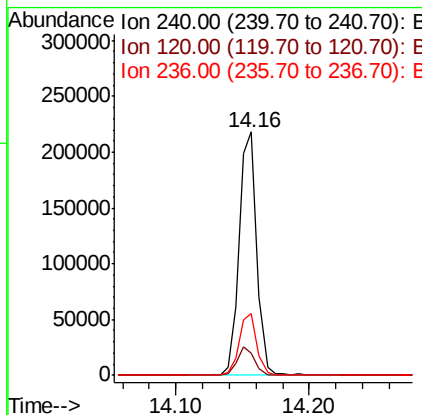
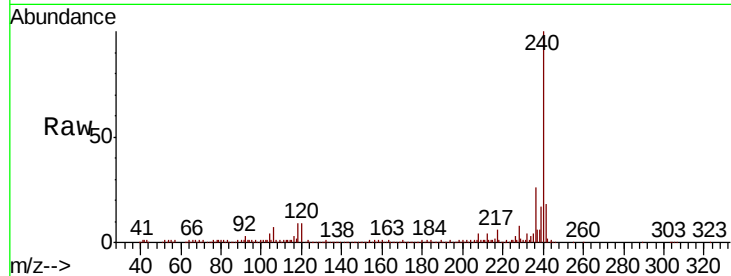




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: BF110279.D
 Acq: 29 Oct 2018 23:06

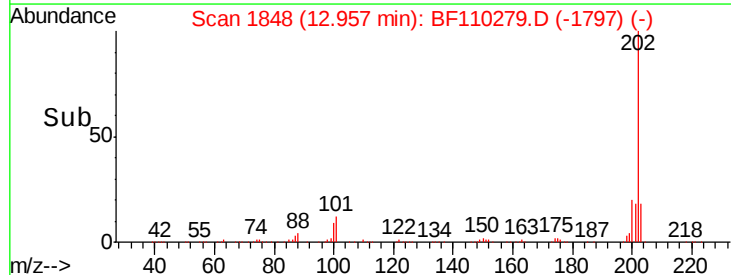
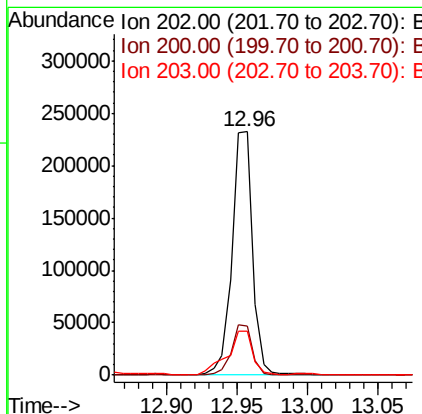
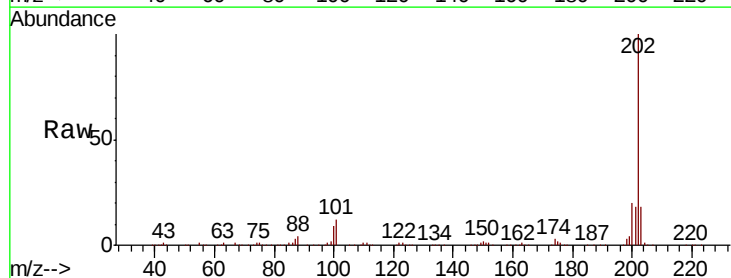
Instrument :
 BNA_F
 ClientSampled :

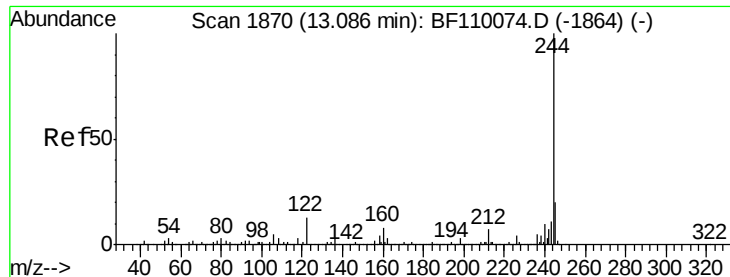
Tot Ion:240 Resp: 201455
 Ion Ratio Lower Upper
 240 100
 120 9.3 8.3 12.5
 236 25.5 21.2 31.8



#78
 Pyrene
 Concen: 16.264 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF110279.D
 Acq: 29 Oct 2018 23:06

Tgt Ion:202 Resp: 234895
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.8 26.6
 203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 15.785 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

Instrument :

BNA_F

ClientSampleId :

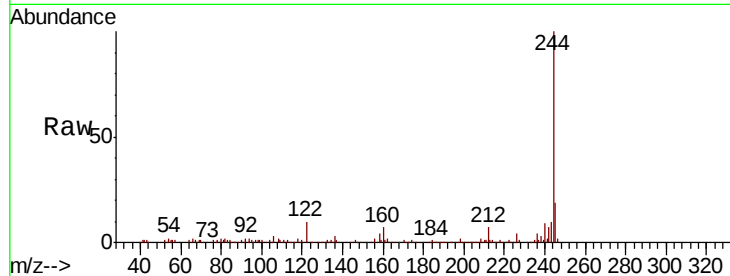
Tot Ion:244 Resp: 152901

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

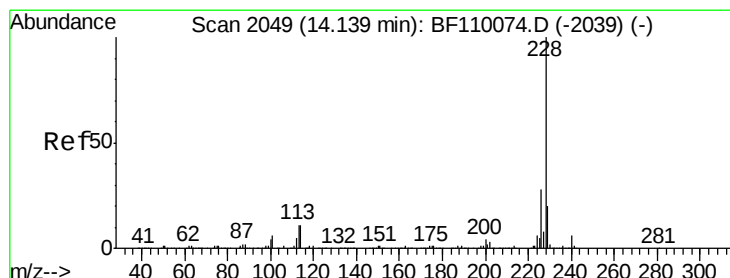
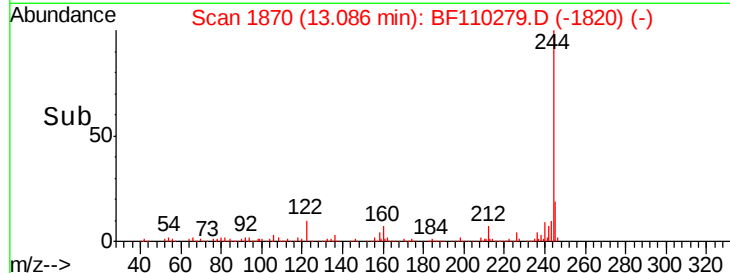
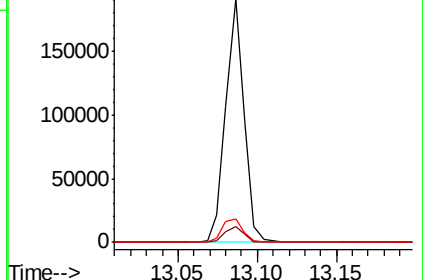
122 9.8 8.7 13.1



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: 9.924 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

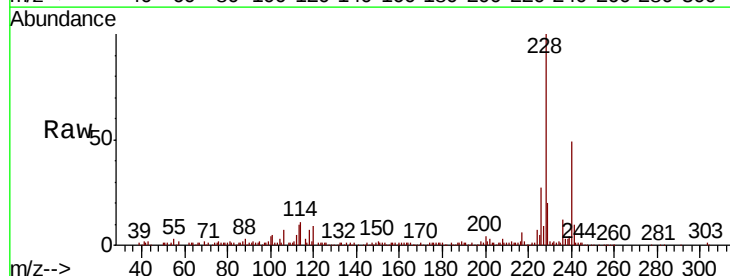
Tgt Ion:228 Resp: 118561

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

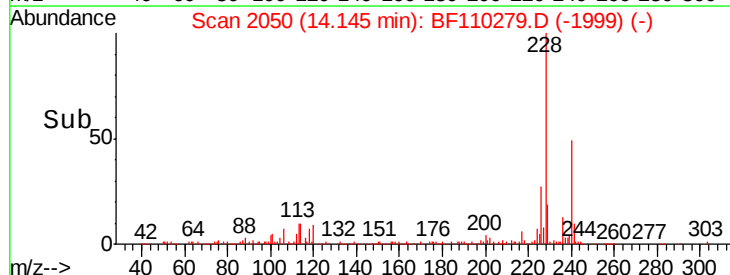
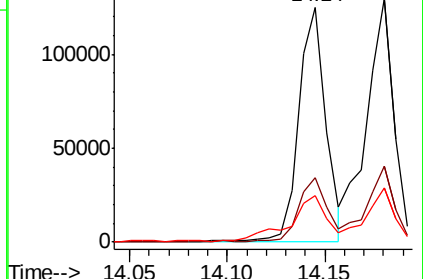
229 20.0 15.6 23.4

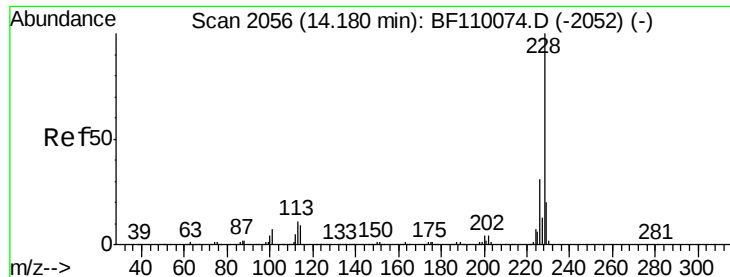


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.050 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

Instrument :

BNA_F

ClientSampleId :

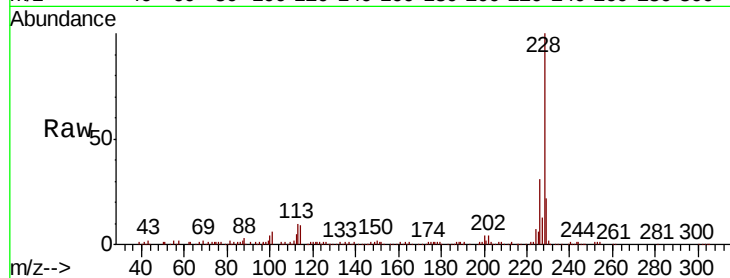
Tot Ion:228 Resp: 125387

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

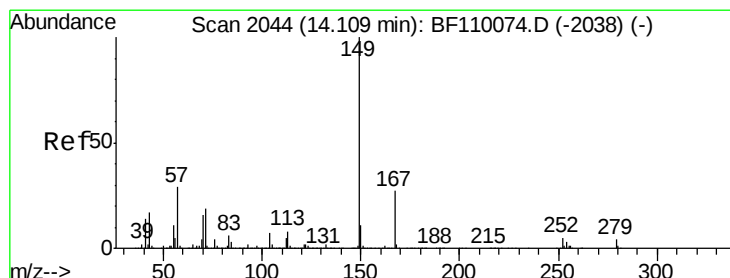
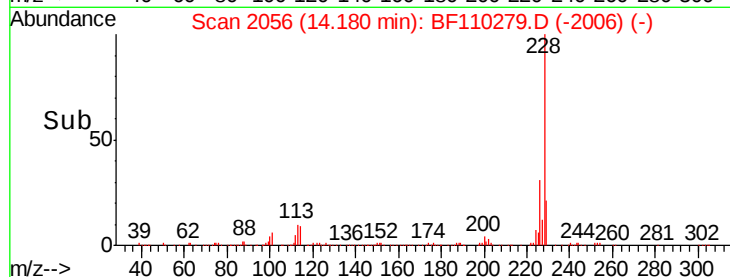
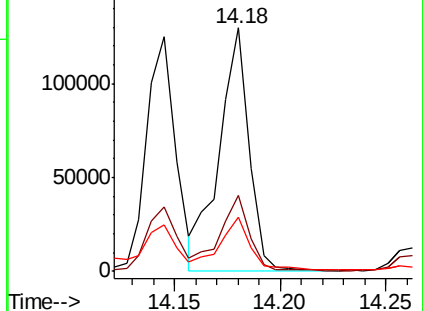
229 22.0 15.9 23.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.012 ng

RT: 14.11 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BF110279.D

Acq: 29 Oct 2018 23:06

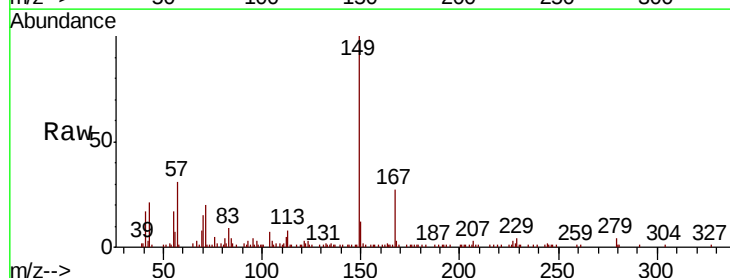
Tgt Ion:149 Resp: 42469

Ion Ratio Lower Upper

149 100

167 26.7 19.8 29.8

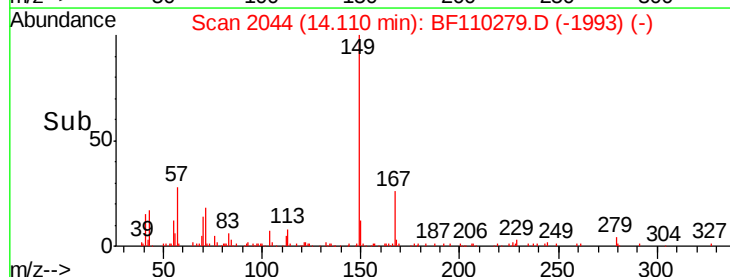
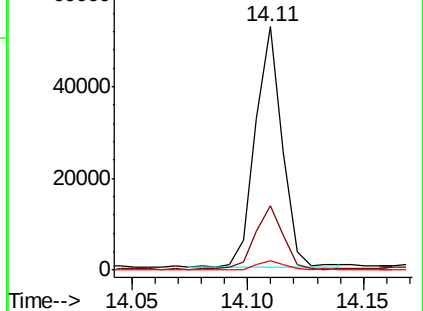
279 4.0 2.7 4.1

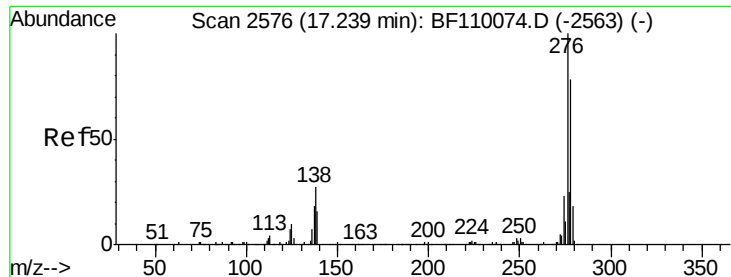


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

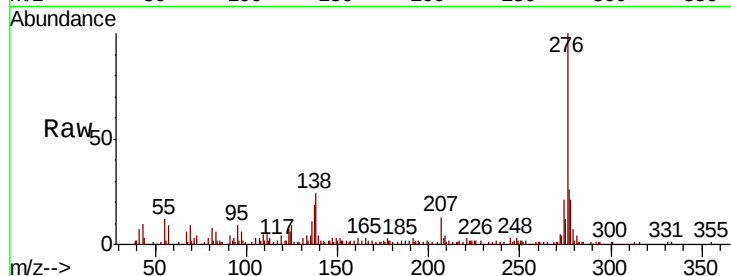




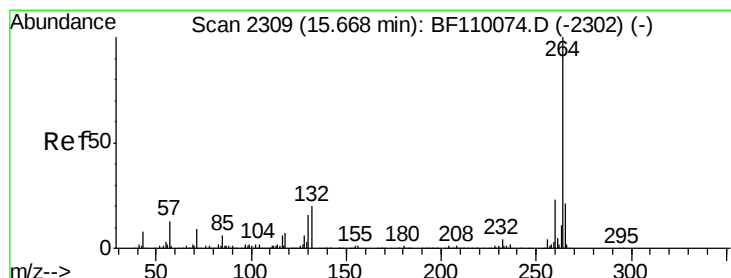
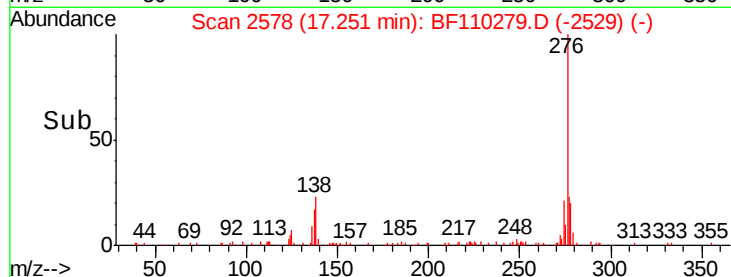
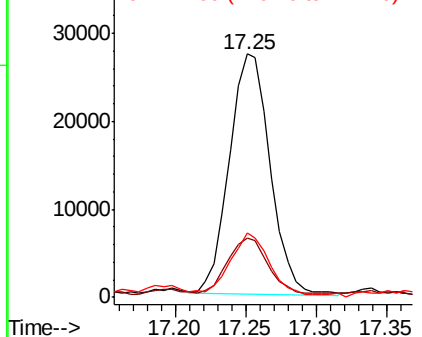
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.849 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF110279.D
 Acq: 29 Oct 2018 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	22.3	18.5	27.7	
277	23.1	20.0	30.0	

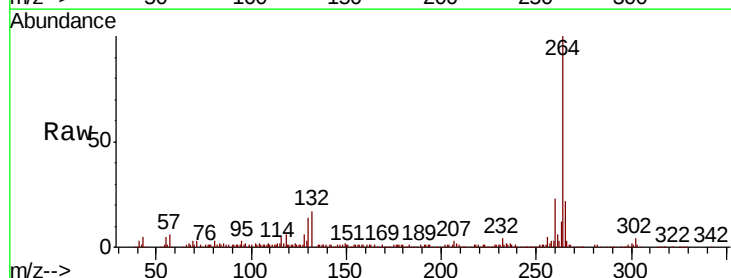


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

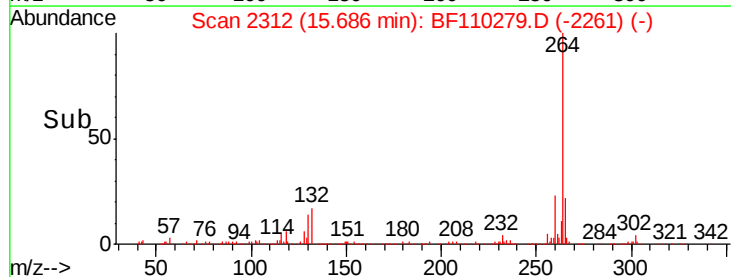
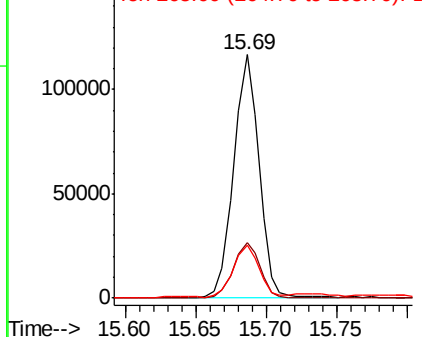


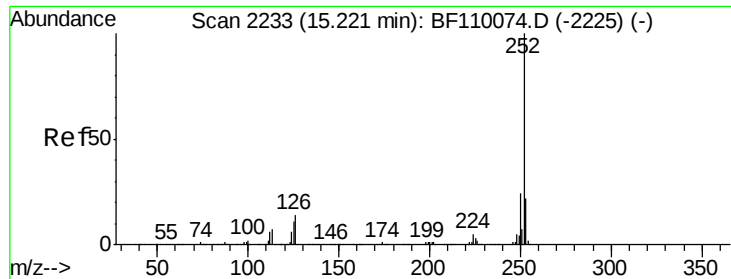
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: BF110279.D
 Acq: 29 Oct 2018 23:06

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	22.6	18.7	28.1	
265	22.0	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

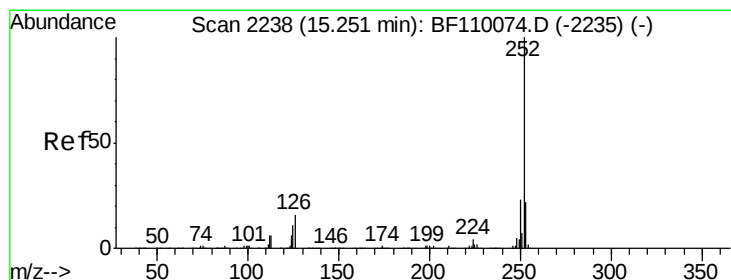
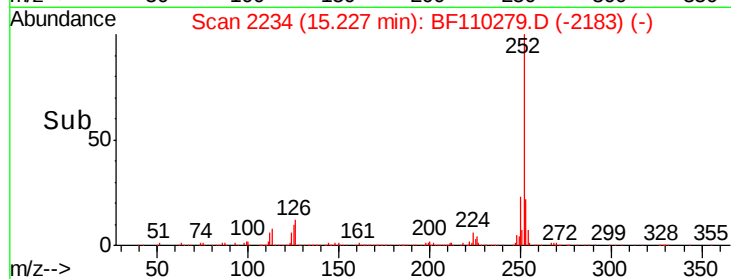
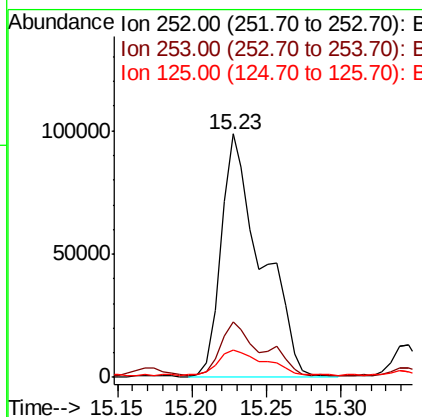
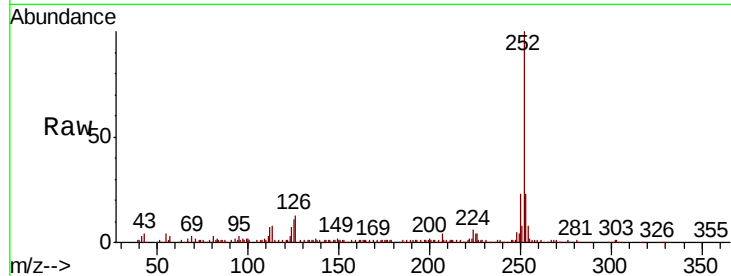




#88
Benzo(b)fluoranthene
Concen: 21.751 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

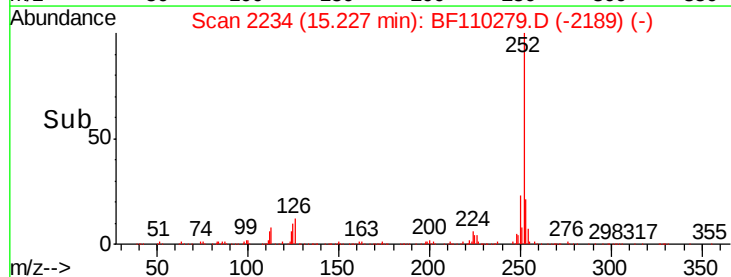
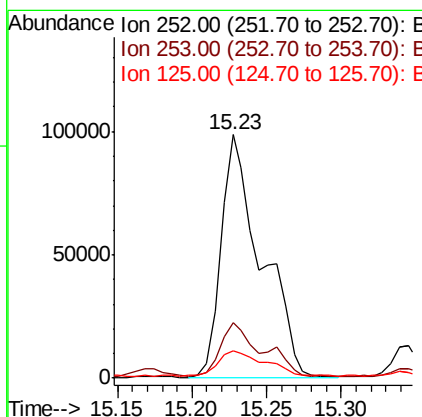
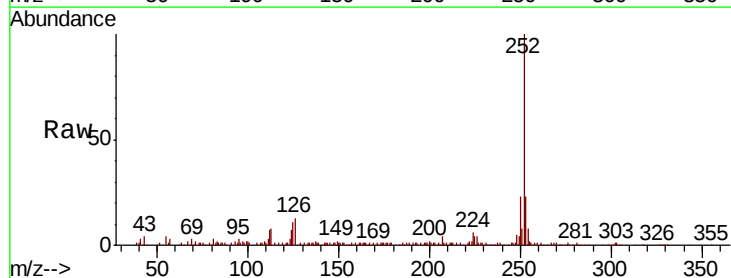
Instrument :
BNA_F
ClientSampleId :

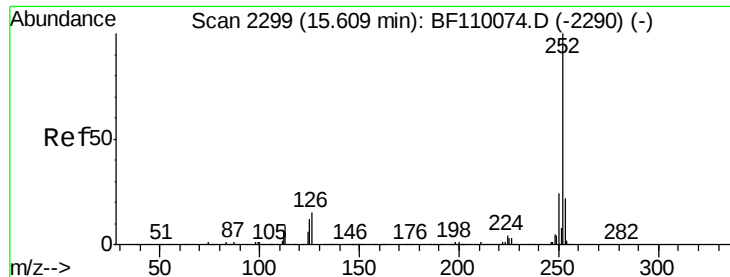
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.4	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 22.125 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.4	7.4	11.0#

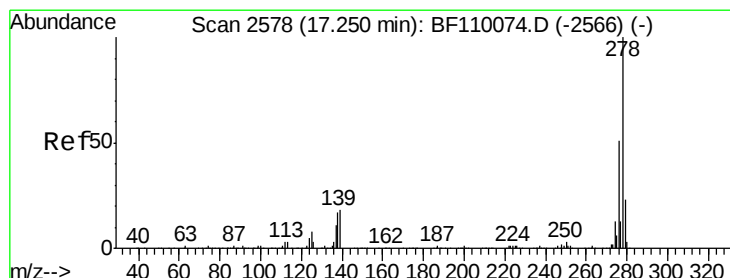
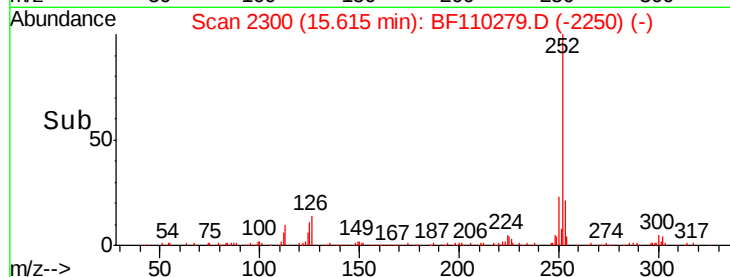
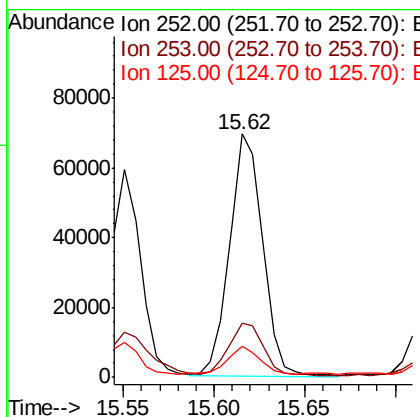
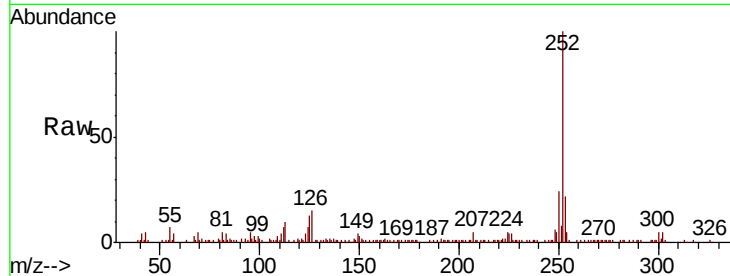




#90
Benzo(a)pyrene
Concen: 11.347 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

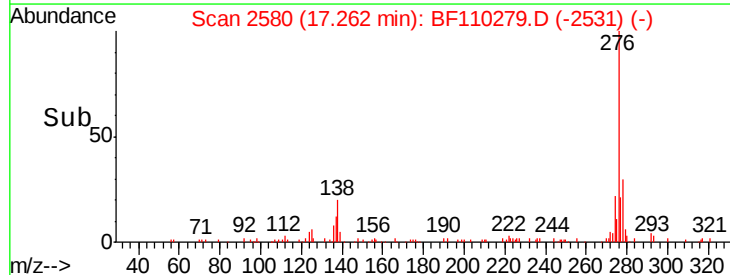
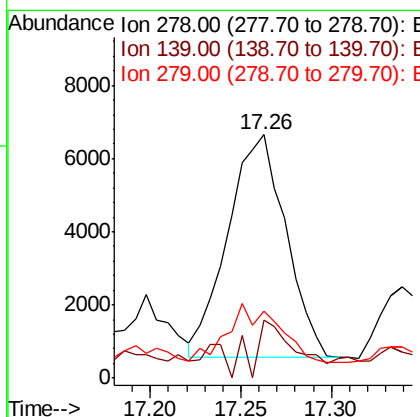
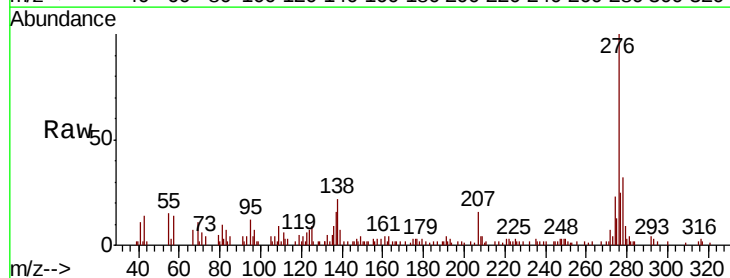
Instrument :
BNA_F
ClientSampleId :

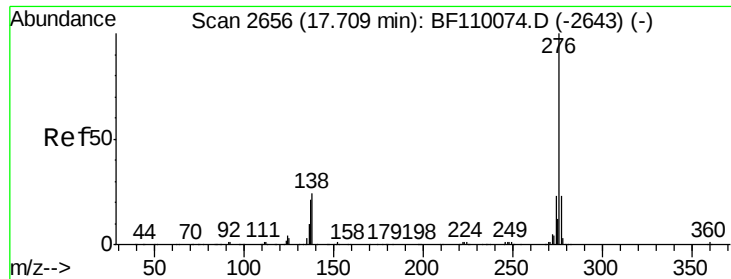
Tot Ion:252 Resp: 88721
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 12.8 9.0 13.6



#91
Dibenzo(a,h)anthracene
Concen: 2.012 ng
RT: 17.26 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF110279.D
Acq: 29 Oct 2018 23:06

Tgt Ion:278 Resp: 13574
Ion Ratio Lower Upper
278 100
139 23.7 12.7 19.1#
279 27.4 19.0 28.4





#92
 Benzo(a,h,i)perylene
 Concen: 8.491 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. -0.01 min
 Lab File: BF110279.D
 Acq: 29 Oct 2018 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	22.9	16.0	24.0

