

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
 Data File : BF110966.D
 Acq On : 26 Nov 2018 16:25
 Operator : JU/SJ
 Sample : SP4579
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 16:55:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

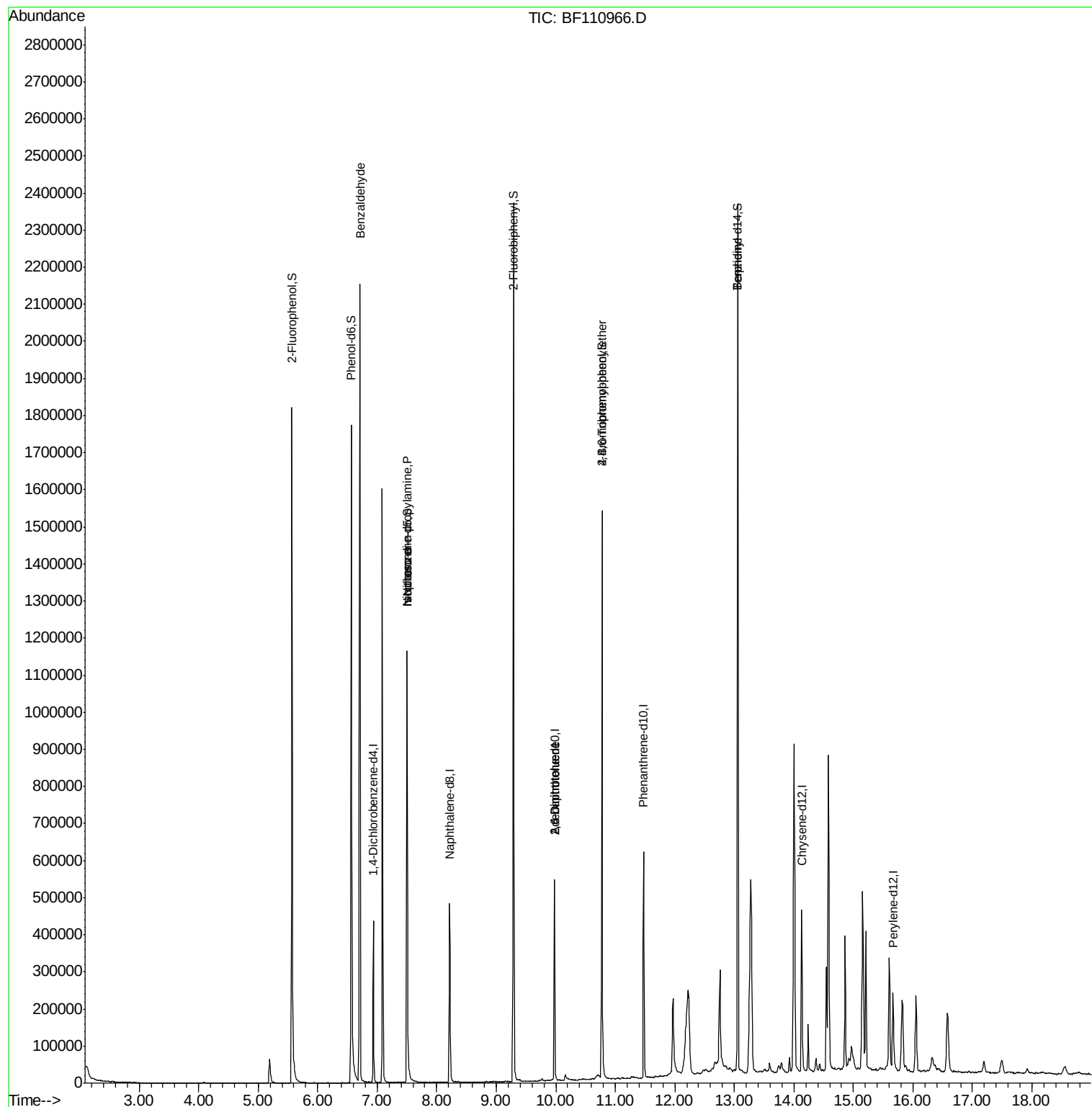
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	61446	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	250263	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	120360	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	234067	20.00	ng	0.00
76) Chrysene-d12	14.13	240	173848	20.00	ng	0.00
87) Perylene-d12	15.66	264	130945	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	538847	145.43	ng	0.02
7) Phenol-d6	6.57	99	666058	137.94	ng	0.00
23) Nitrobenzene-d5	7.50	82	425603	97.33	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	164801	137.87	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	792997	95.45	ng	0.00
79) Terphenyl-d14	13.06	244	855982	95.85	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.71	77	13408	2.630	ng	82
19) n-Nitroso-di-n-propylamine	7.50	70	56948	18.105	ng	# 80
25) Isophorone	7.50	82	425601	59.333	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	15212	7.741	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	15212	5.966	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	11142	4.371	ng	# 1
77) Benzydine	13.06	184	11949	2.687	ng	97

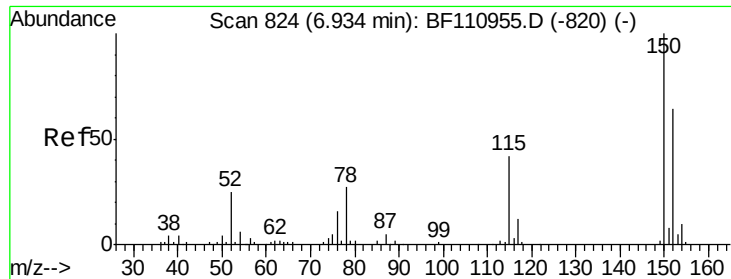
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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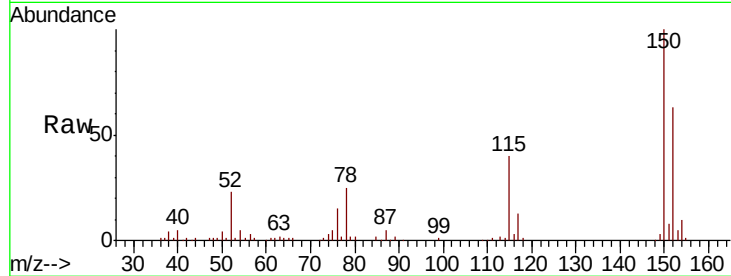


#1

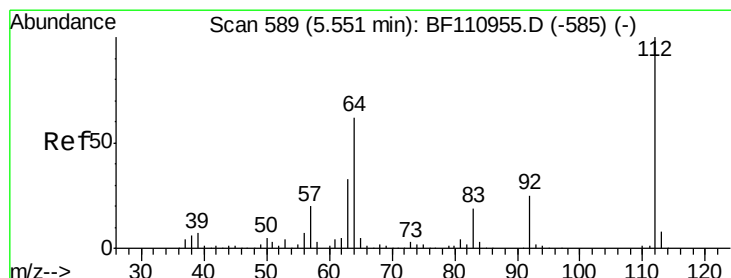
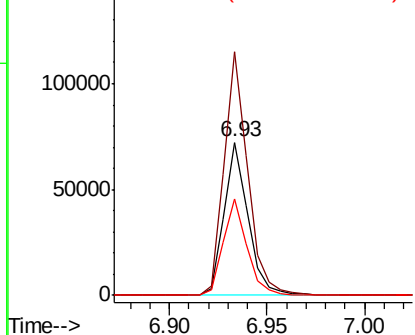
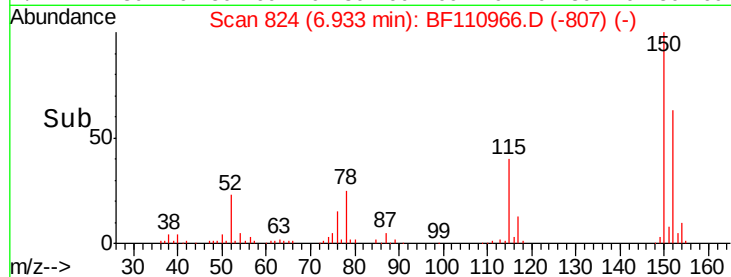
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF110966.D
 Acq: 26 Nov 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 61446
 Ion Ratio Lower Upper
 152 100
 150 159.2 122.7 184.1
 115 63.0 49.1 73.7



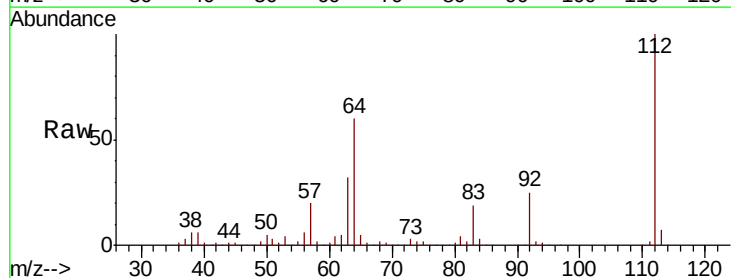
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



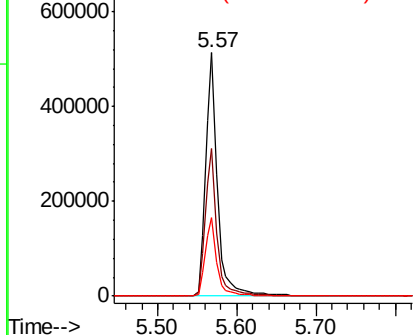
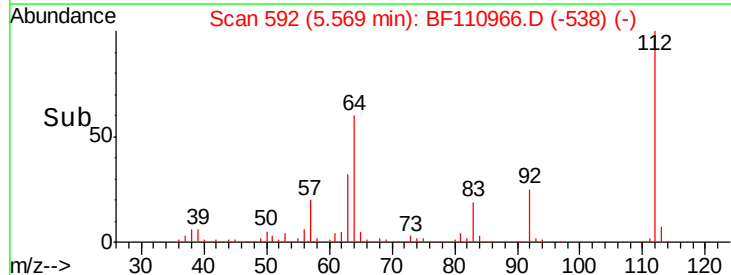
#5

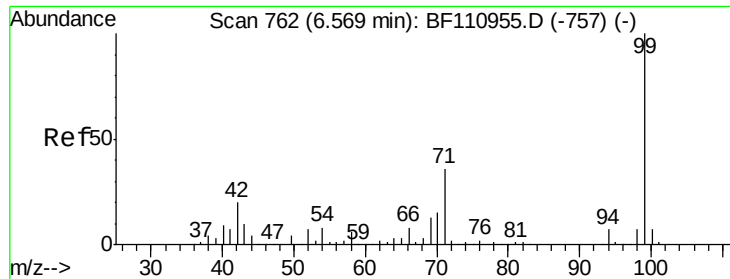
2-Fluorophenol
 Concen: 145.425 ng
 RT: 5.57 min Scan# 592
 Delta R.T. 0.02 min
 Lab File: BF110966.D
 Acq: 26 Nov 2018 16:25

Tgt Ion:112 Resp: 538847
 Ion Ratio Lower Upper
 112 100
 64 60.5 44.1 66.1
 63 32.5 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: 137.939 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF110966.D

Acq: 26 Nov 2018 16:25

Instrument :

BNA_F

ClientSampleId :

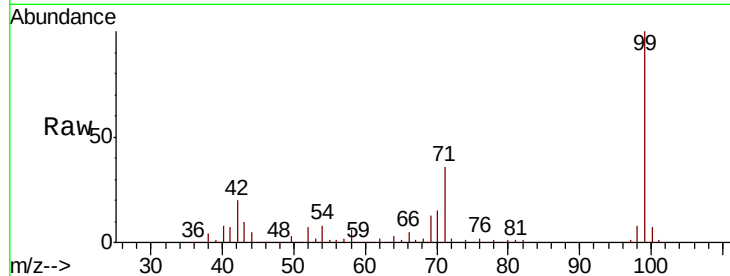
Tot Ion: 99 Resp: 666058

Ion Ratio Lower Upper

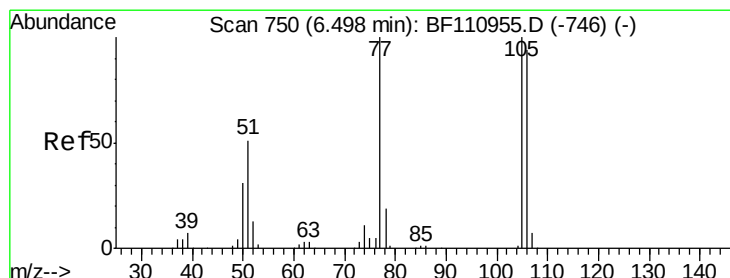
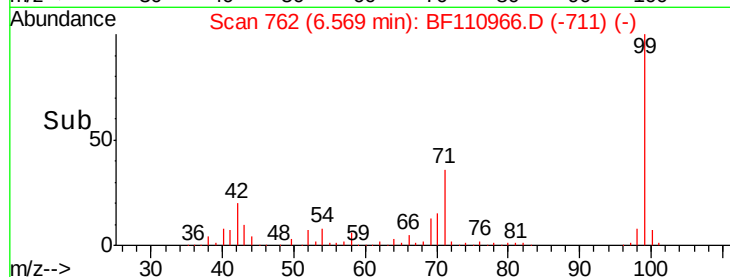
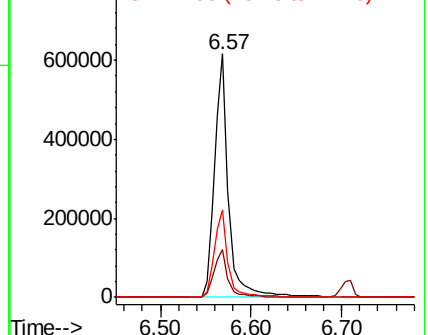
99 100

42 19.9 15.8 23.6

71 36.1 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



#9

Benzaldehyde

Concen: 2.630 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.21 min

Lab File: BF110966.D

Acq: 26 Nov 2018 16:25

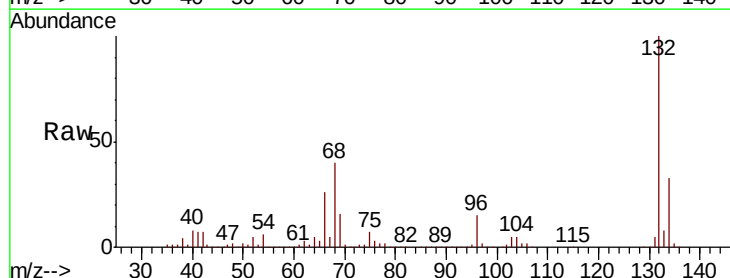
Tgt Ion: 77 Resp: 13408

Ion Ratio Lower Upper

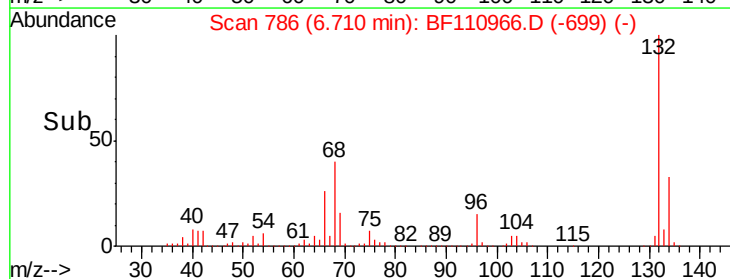
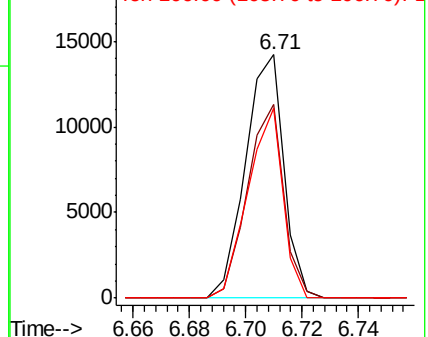
77 100

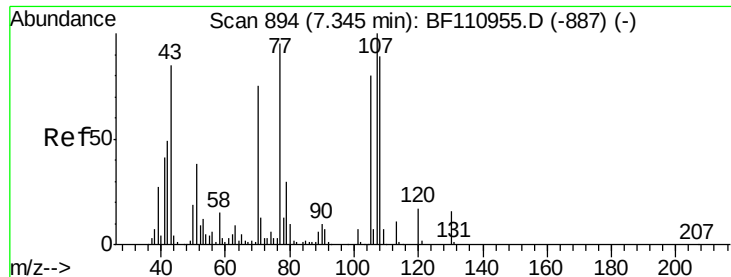
105 79.6 78.6 118.6

106 77.9 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 18.105 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.16 min

Lab File: BF110966.D

Acq: 26 Nov 2018 16:25

Instrument :

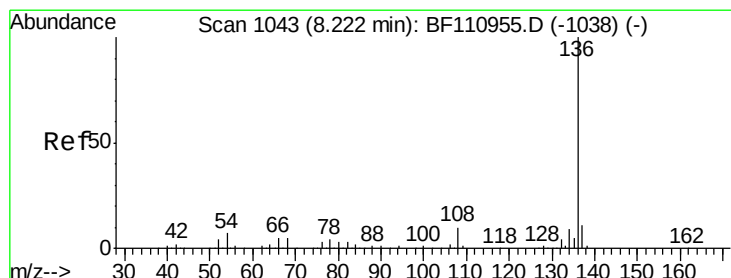
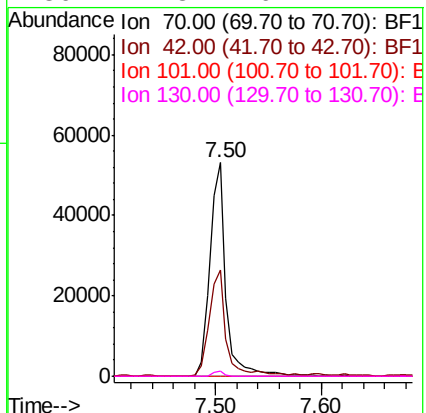
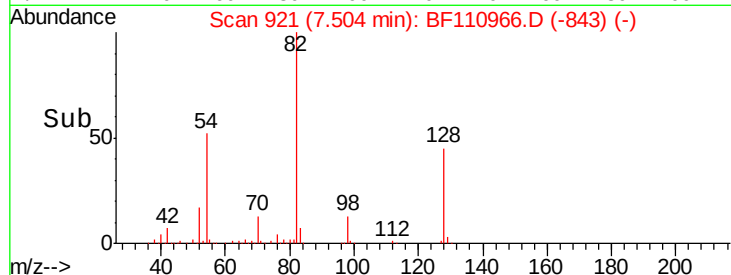
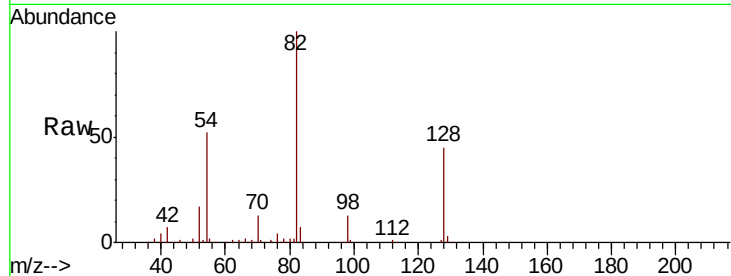
BNA_F

ClientSampled :

Tot Ion: 70 Resp: 56948

Ion Ratio Lower Upper

70	100		
42	49.5	47.4	71.2
101	0.0	7.3	10.9#
130	2.3	16.2	24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

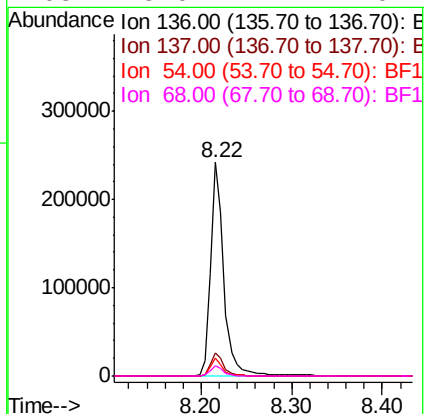
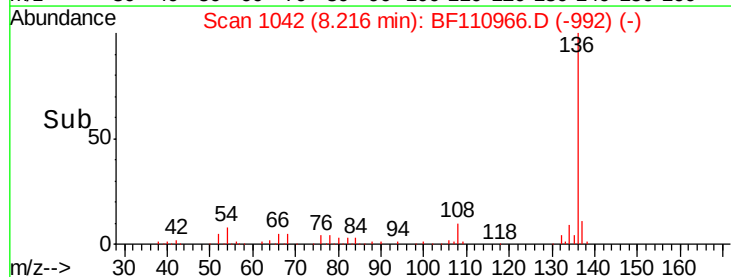
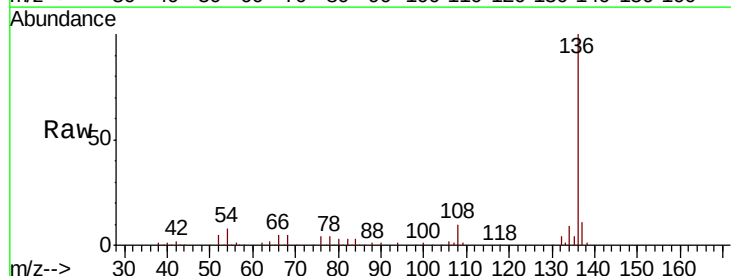
Lab File: BF110966.D

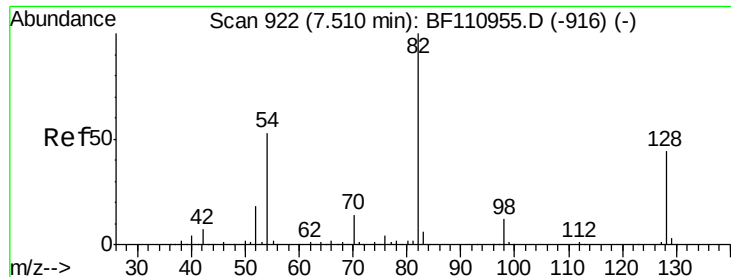
Acq: 26 Nov 2018 16:25

Tgt Ion: 136 Resp: 250263

Ion Ratio Lower Upper

136	100		
137	10.7	8.8	13.2
54	8.1	5.4	8.2
68	5.0	4.2	6.2

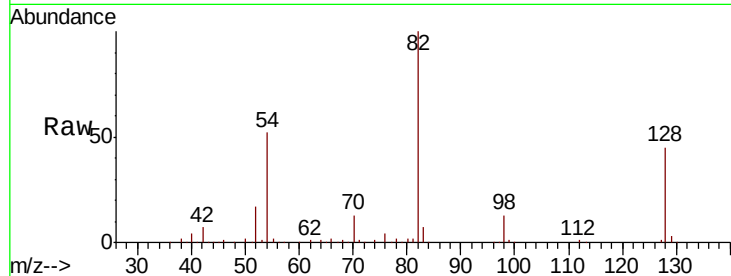




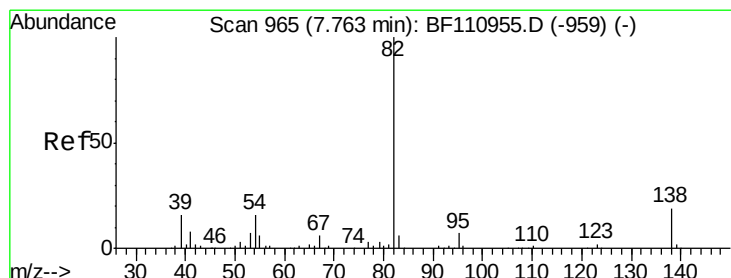
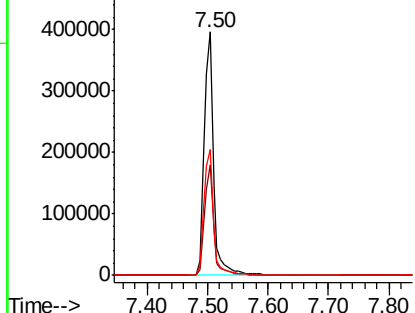
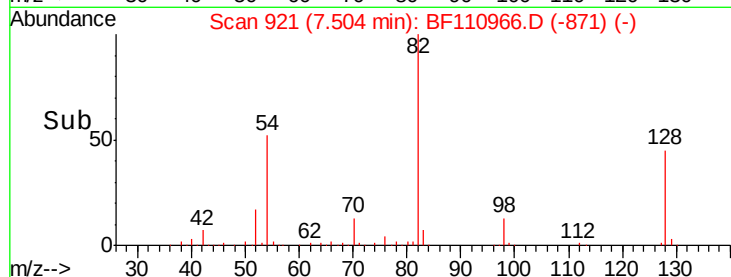
#23
 Nitrobenzene-d5
 Concen: 97.328 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF110966.D
 Acq: 26 Nov 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	425603
Ion Ratio	Lower	Upper	
82	100		
128	45.2	34.2	51.2
54	51.7	38.6	58.0

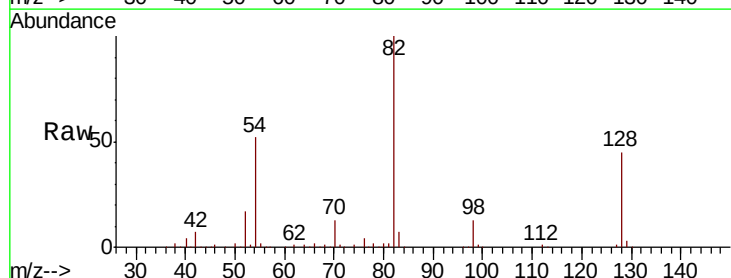


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

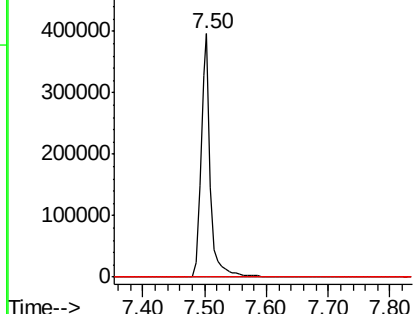
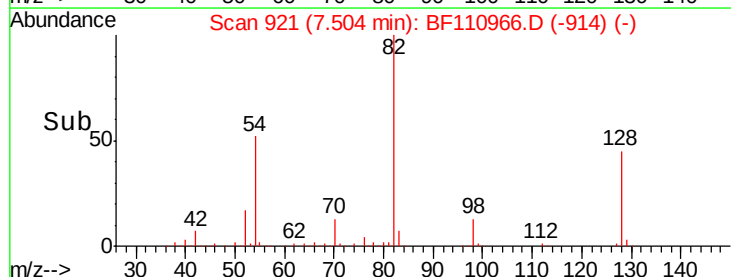


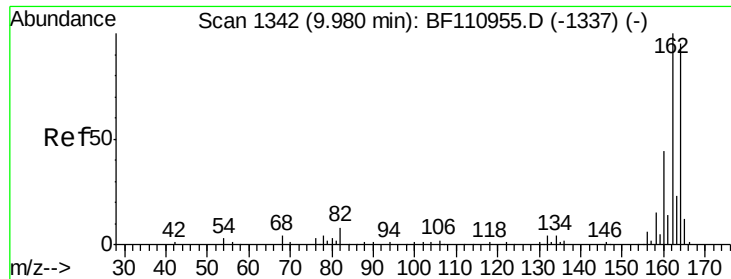
#25
 Isophorone
 Concen: 59.333 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF110966.D
 Acq: 26 Nov 2018 16:25

Tgt Ion	82	Resp	425601
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: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF110966.D

Acq: 26 Nov 2018 16:25

Instrument :

BNA_F

ClientSampleId :

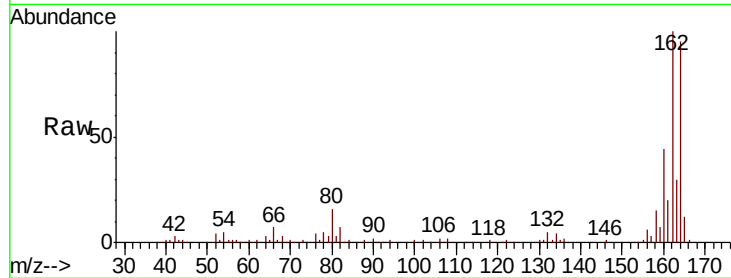
Tot Ion:164 Resp: 120360

Ion Ratio Lower Upper

164 100

162 105.0 83.0 124.6

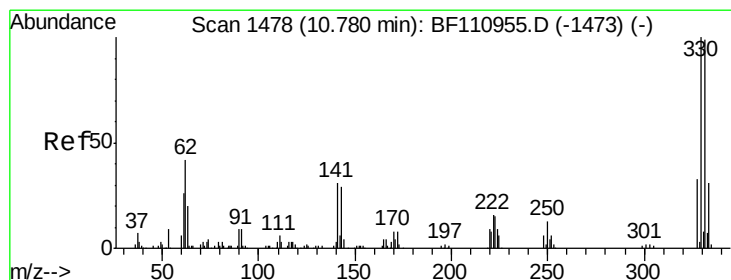
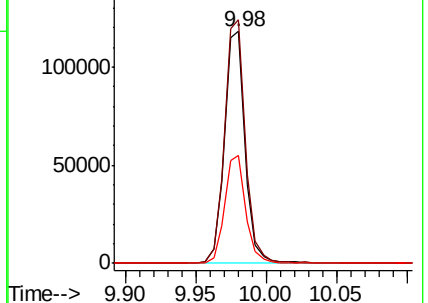
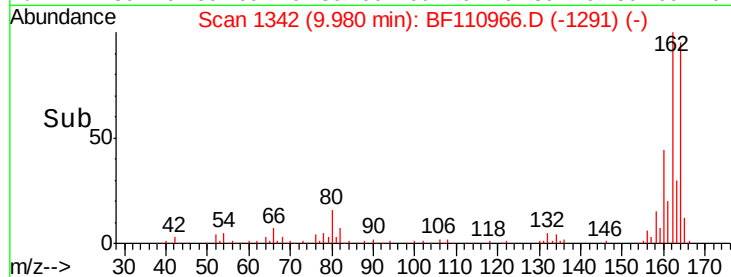
160 46.5 37.0 55.6



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: 137.870 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110966.D

Acq: 26 Nov 2018 16:25

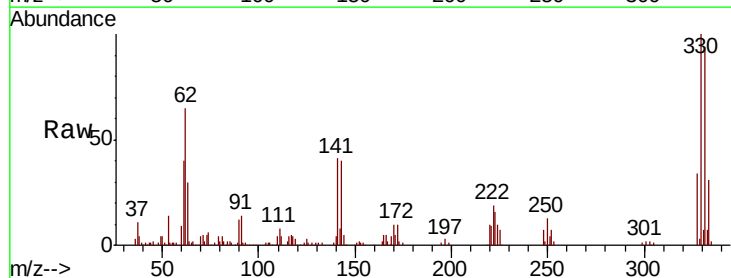
Tgt Ion:330 Resp: 164801

Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

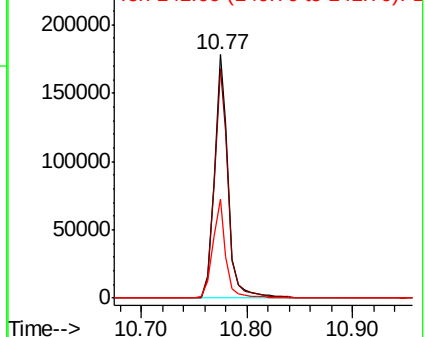
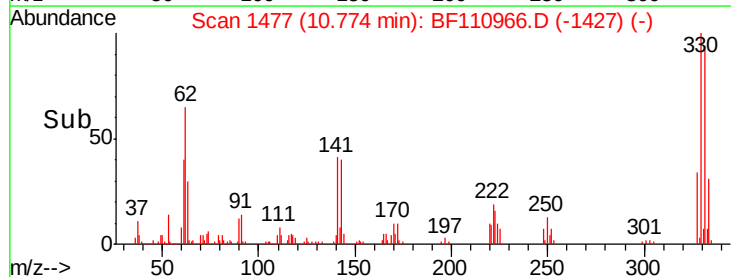
141 38.6 27.0 40.4

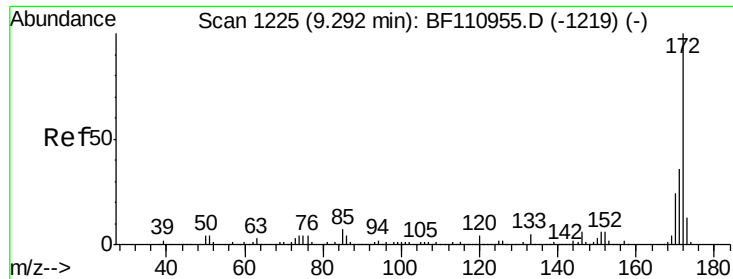


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

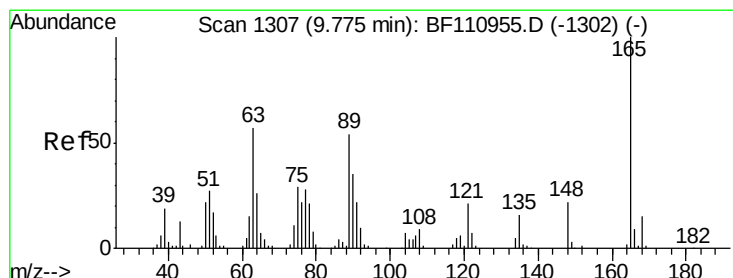
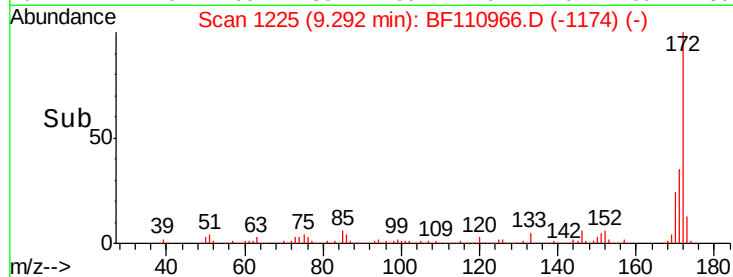
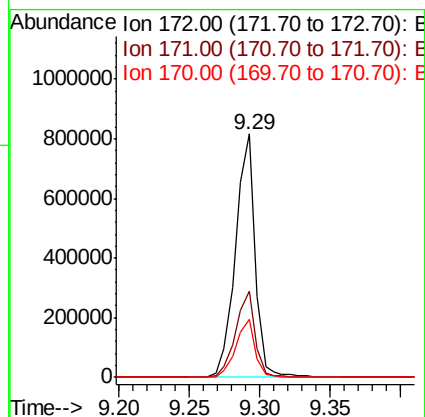
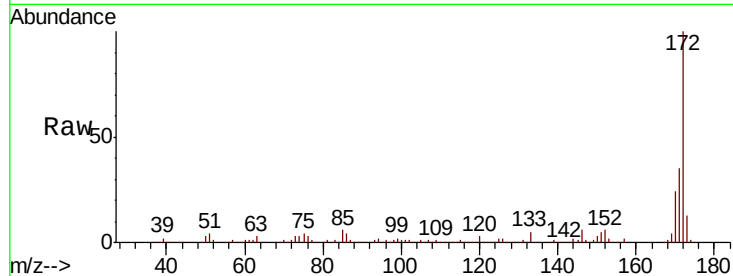




#45
2-Fluorobiphenyl
Concen: 95.453 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF110966.D
Acq: 26 Nov 2018 16:25

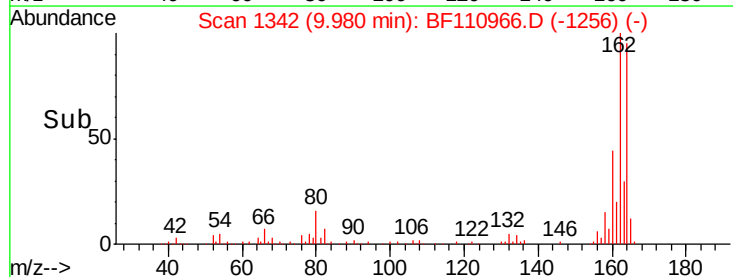
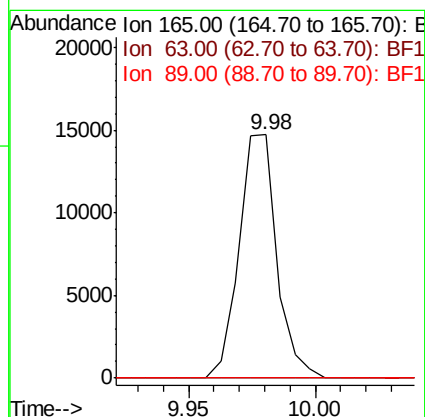
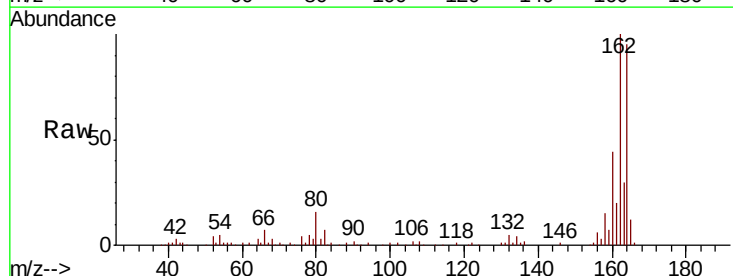
Instrument :
BNA_F
ClientSampled :

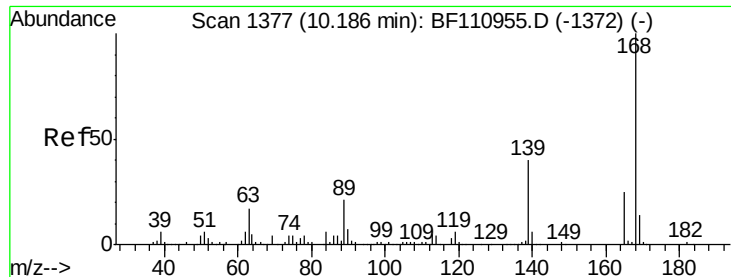
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.9	19.7	29.5



#51
2,6-Dinitrotoluene
Concen: 7.741 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF110966.D
Acq: 26 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#

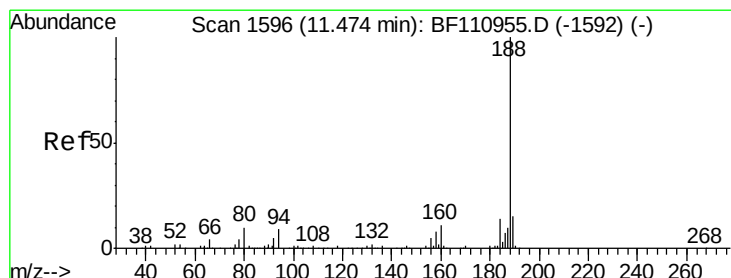
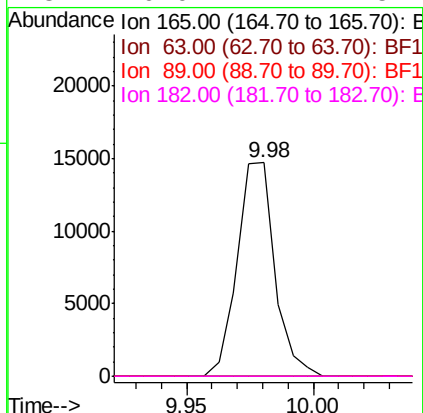
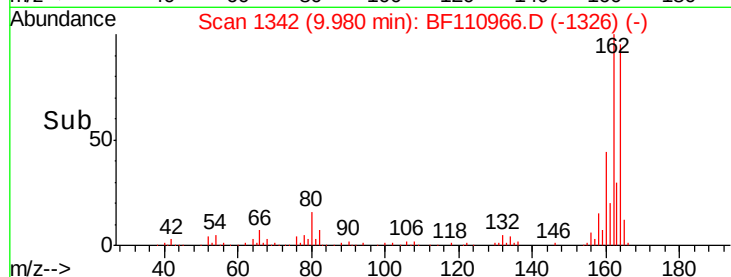
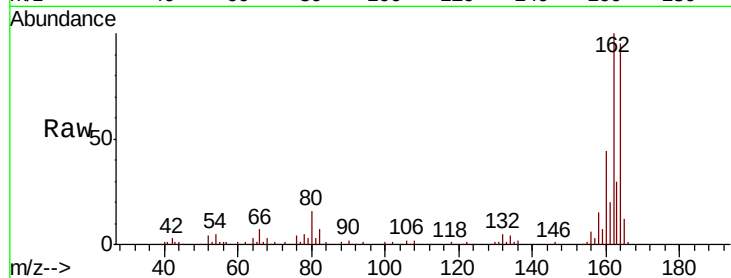




#57
 2,4-Dinitrotoluene
 Concen: 5.966 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110966.D
 Acq: 26 Nov 2018 16:25

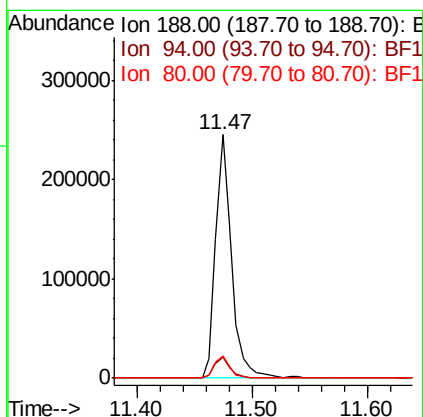
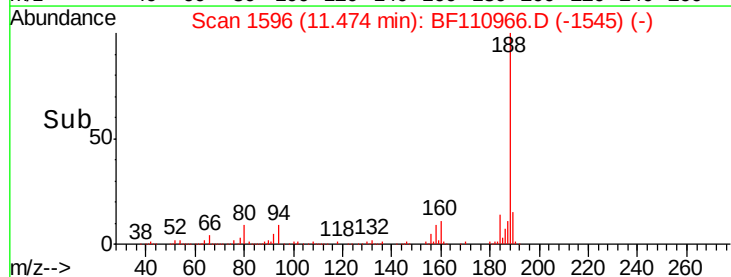
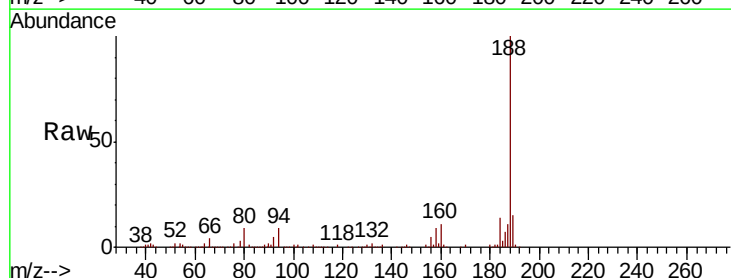
Instrument :
 BNA_F
 ClientSampleId :

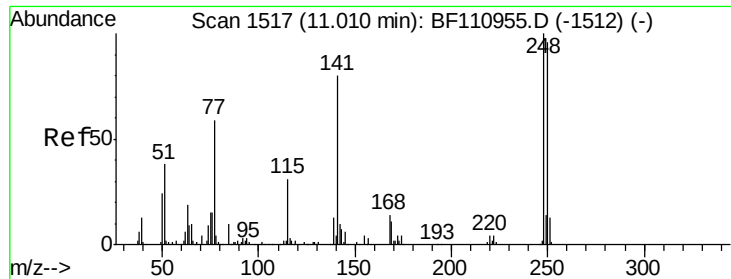
Tot Ion:165 Resp: 15212
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF110966.D
 Acq: 26 Nov 2018 16:25

Tgt Ion:188 Resp: 234067
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 9.2 7.9 11.9

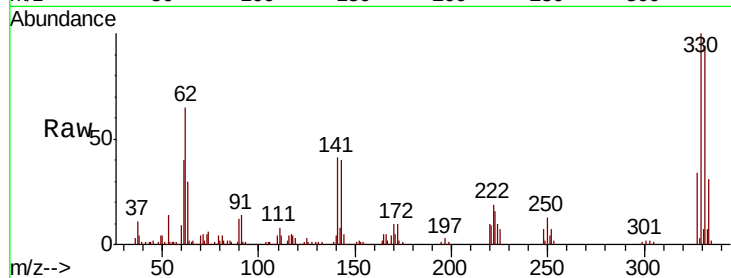




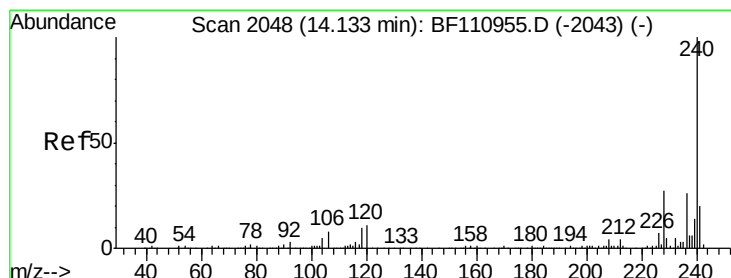
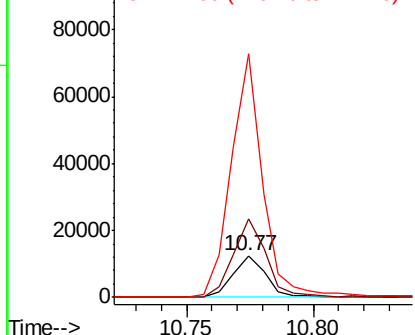
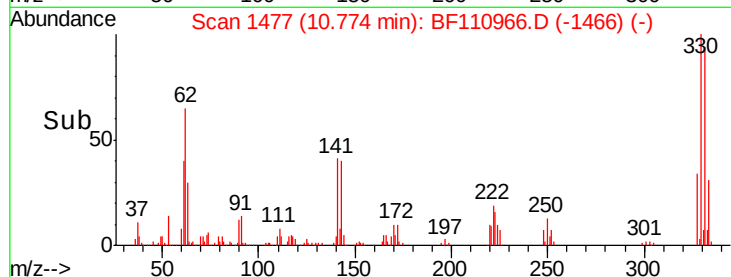
#67
4-Bromophenyl-phenylether
Concen: 4.371 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.24 min
Lab File: BF110966.D
Acq: 26 Nov 2018 16:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11142
Ion Ratio Lower Upper
248 100
250 190.5 79.4 119.2#
141 587.0 55.9 83.9#

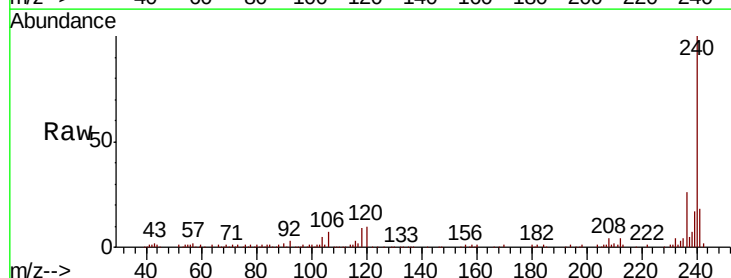


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

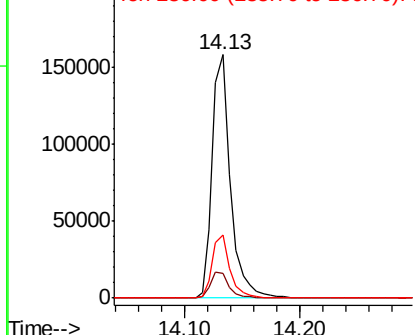
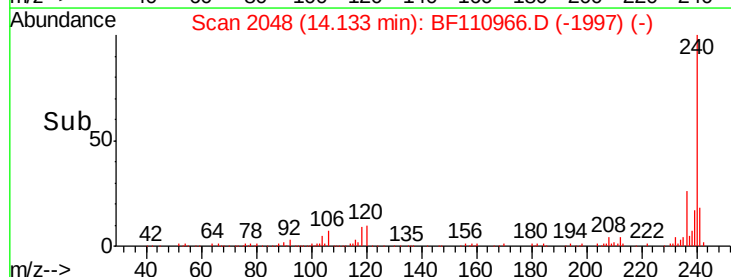


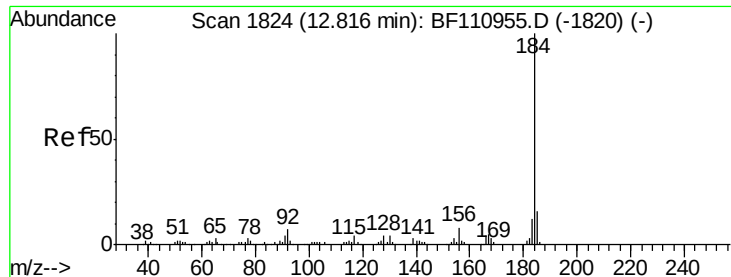
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.00 min
Lab File: BF110966.D
Acq: 26 Nov 2018 16:25

Tgt Ion:240 Resp: 173848
Ion Ratio Lower Upper
240 100
120 9.9 8.3 12.5
236 25.9 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





#77

Benzidine

Concen: 2.687 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.24 min

Lab File: BF110966.D

Acq: 26 Nov 2018 16:25

Instrument :

BNA_F

ClientSampleId :

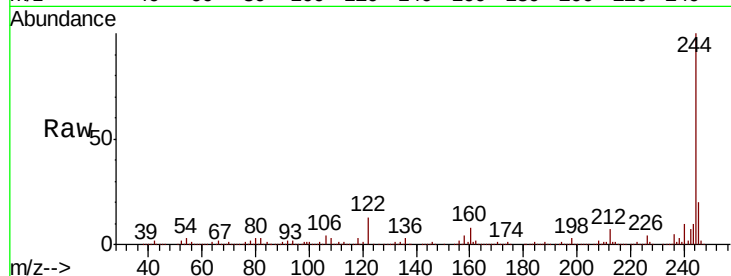
Tot Ion:184 Resp: 11949

Ion Ratio Lower Upper

184 100

185 18.7 13.4 20.2

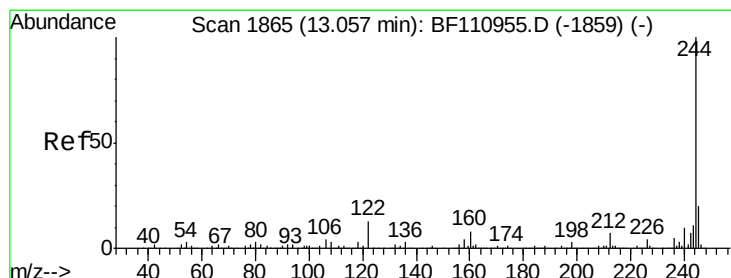
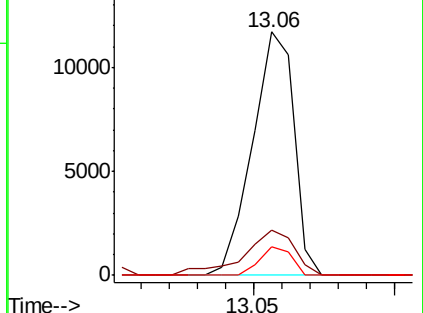
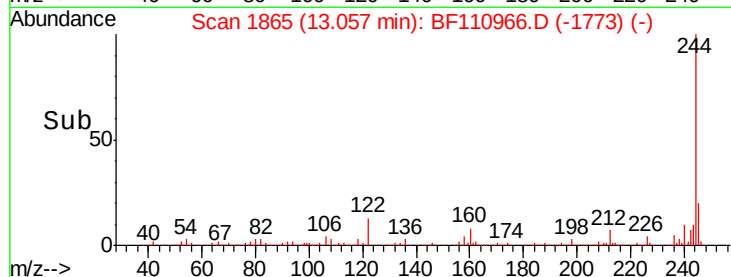
183 11.6 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 95.848 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BF110966.D

Acq: 26 Nov 2018 16:25

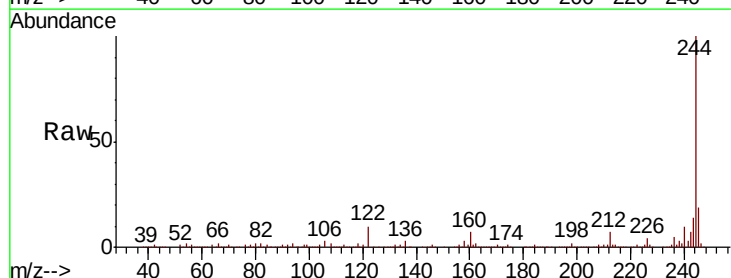
Tgt Ion:244 Resp: 855982

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

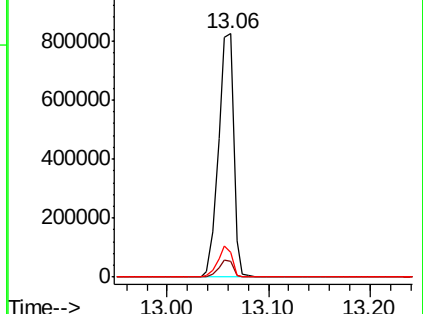
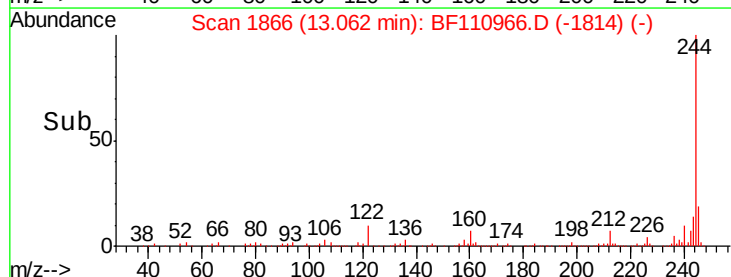
122 10.1 8.7 13.1

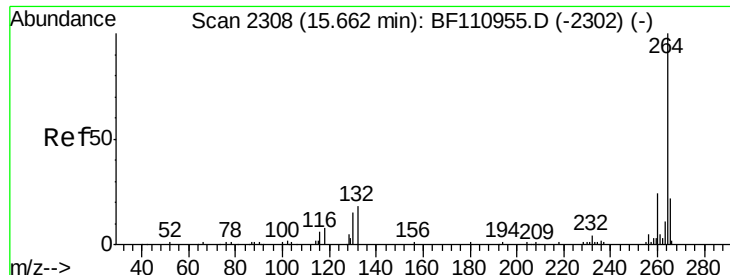


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

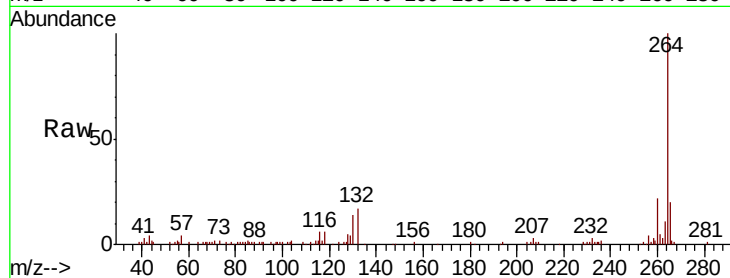




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: BF110966.D
 Acq: 26 Nov 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.7	28.1
265	20.1	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

