

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106402.D
 Acq On : 13 Jun 2018 20:15
 Operator : JU/SJ
 Sample : J3451-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 02:22:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145722	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	571592	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	271107	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	488399	20.00	ng	0.00
75) Chrysene-d12	14.15	240	368506	20.00	ng	-0.01
86) Perylene-d12	15.68	264	368580	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	289933	33.67	ng	0.00
7) Phenol-d6	6.62	99	227948	20.96	ng	0.00
23) Nitrobenzene-d5	7.53	82	555697	57.19	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	222396	85.26	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	990509	58.19	ng	0.00
78) Terphenyl-d14	13.08	244	862672	58.15	ng	0.00

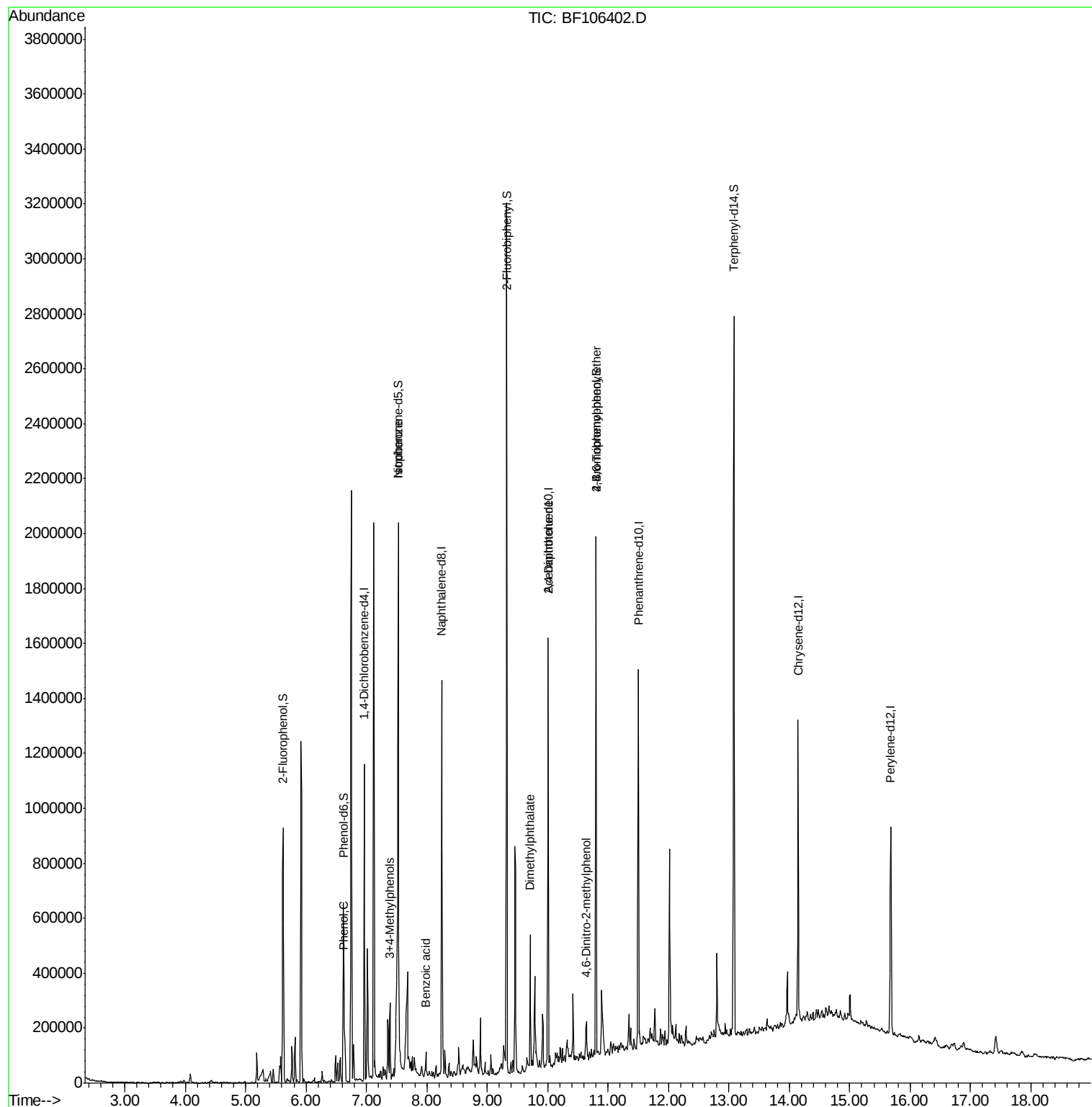
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.64	94	55174	4.646	ng	99
20) 3+4-Methylphenols	7.39	107	52240	4.945	ng	85
25) Isophorone	7.53	82	555794	29.286	ng	# 64
32) Benzoic acid	7.98	122	1392	7.488	ng	# 1
49) Dimethylphthalate	9.71	163	150267	7.758	ng	99
56) 2,4-Dinitrotoluene	10.01	165	35921	7.230	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.65	198	171	6.351	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	14837	2.671	ng	# 1

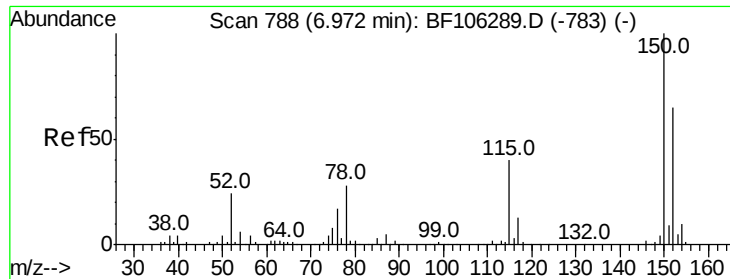
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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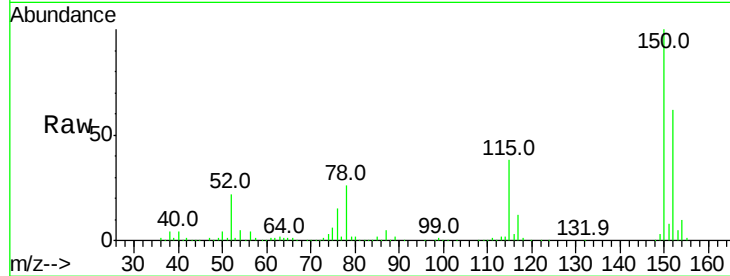


#1

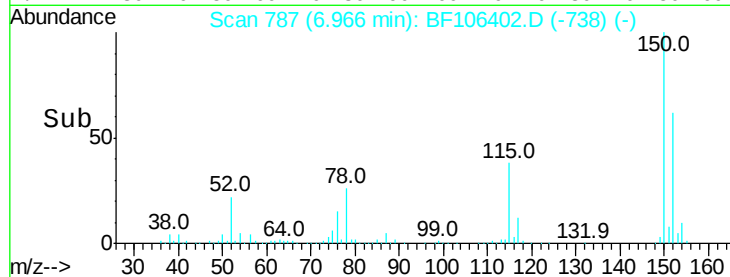
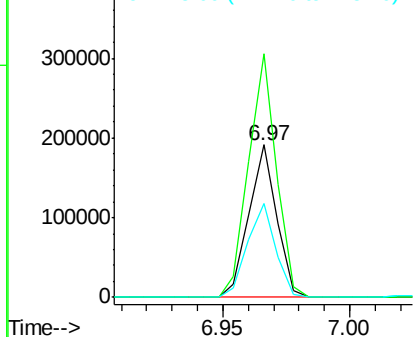
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145722
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 61.6 50.1 75.1



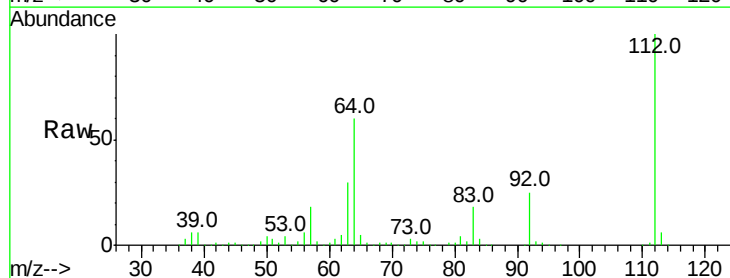
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



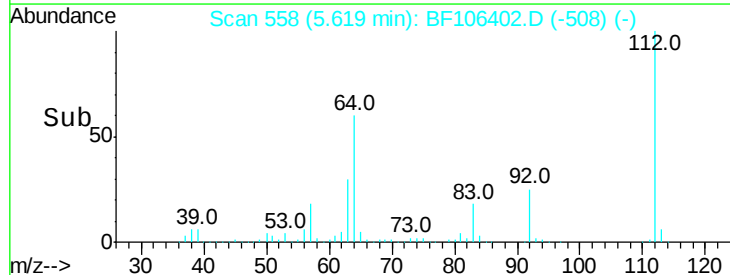
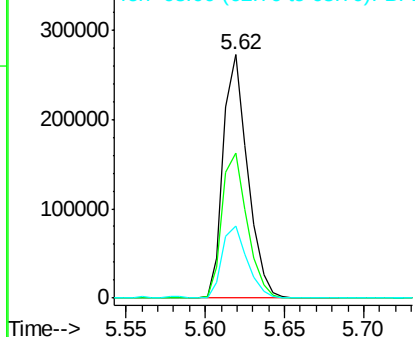
#5

2-Fluorophenol
Concen: 33.674 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

Tgt Ion:112 Resp: 289933
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
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: 20.955 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

Instrument :

BNA_F

ClientSampleId :

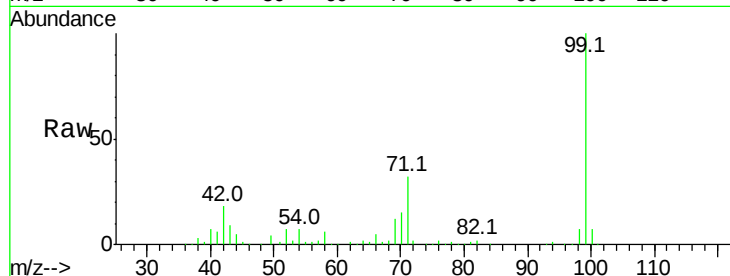
Tot Ion: 99 Resp: 227948

Ion Ratio Lower Upper

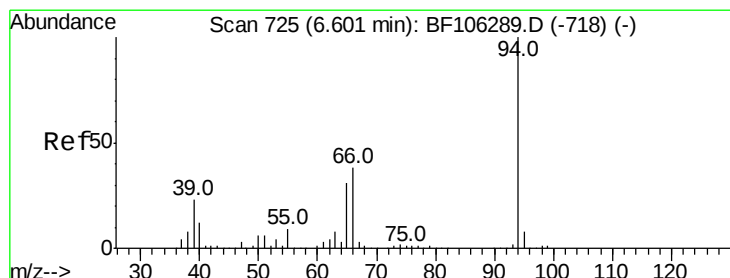
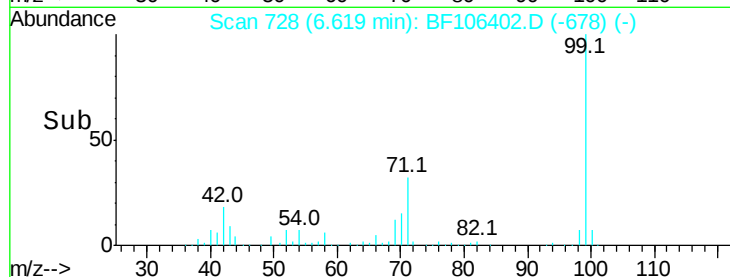
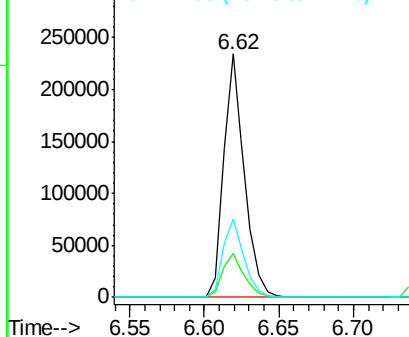
99 100

42 18.3 14.5 21.7

71 32.4 25.4 38.0



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: 4.646 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

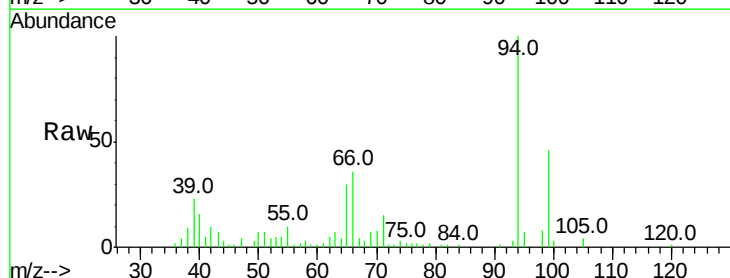
Tgt Ion: 94 Resp: 55174

Ion Ratio Lower Upper

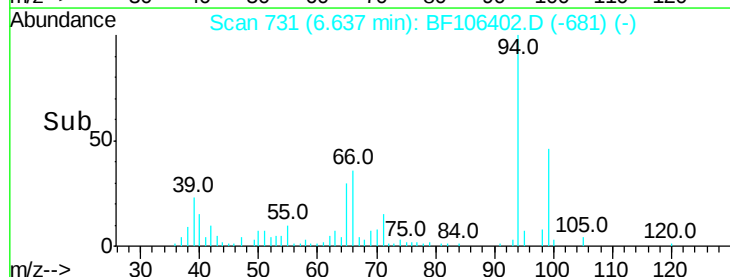
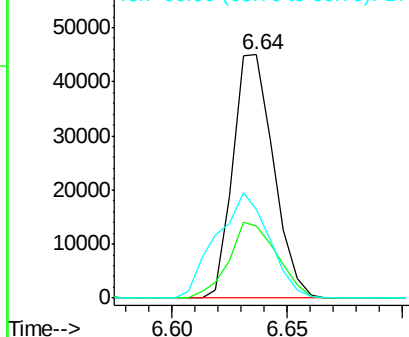
94 100

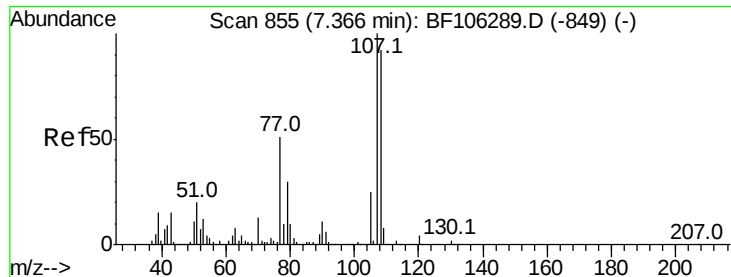
65 29.5 7.9 47.9

66 36.4 16.2 56.2



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





#20

3+4-Methylphenols

Concen: 4.945 ng

RT: 7.39 min Scan# 859

Delta R.T. -0.01 min

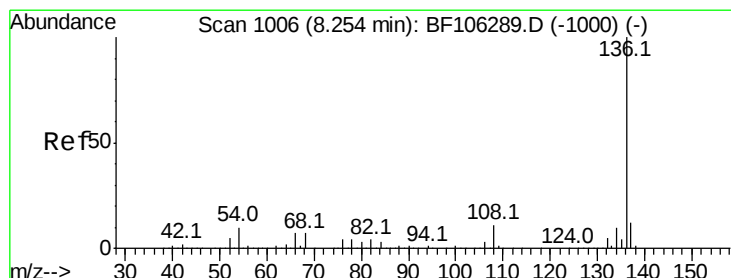
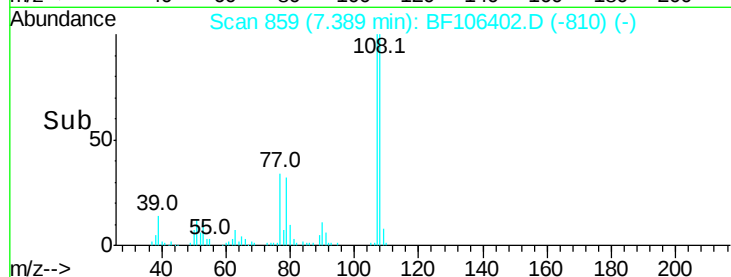
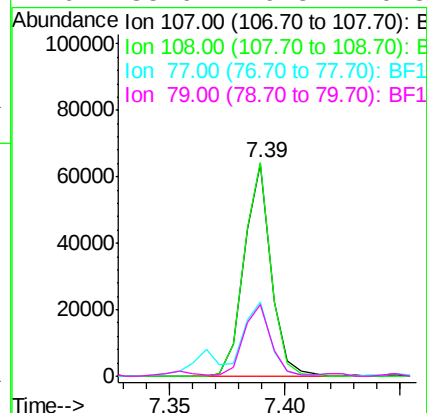
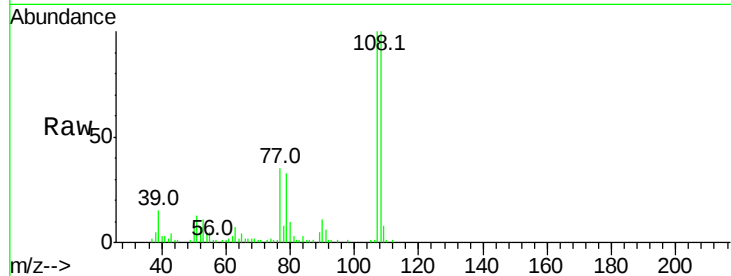
Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 52240

Ion	Ratio	Lower	Upper
107	100		
108	100.4	68.2	108.2
77	34.8	26.7	66.7
79	33.6	6.3	46.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

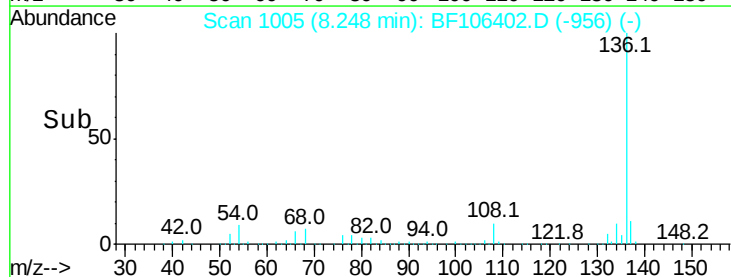
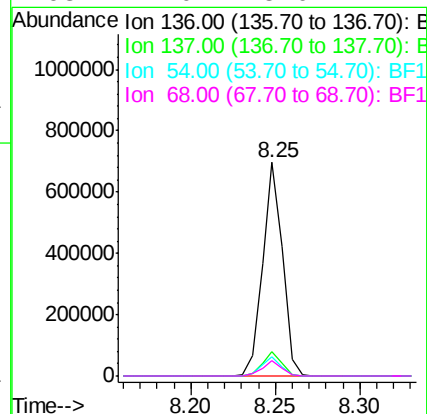
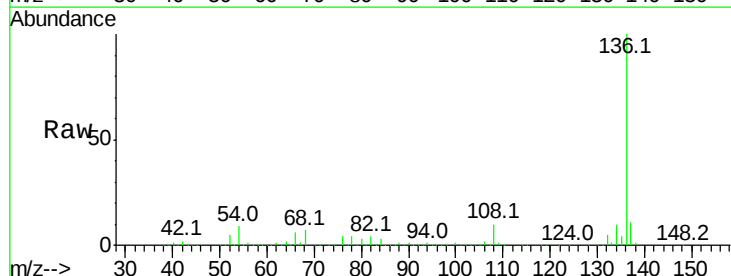
Delta R.T. -0.01 min

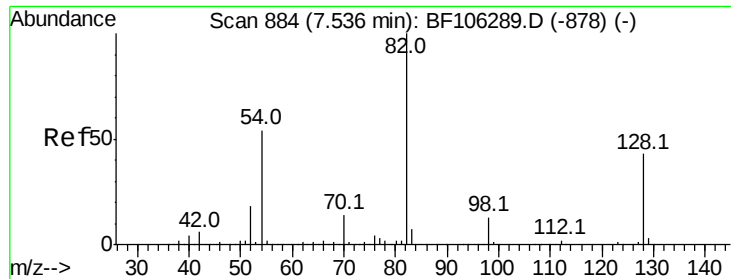
Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

Tgt Ion:136 Resp: 571592

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.9	6.6	9.8
68	7.0	5.0	7.4

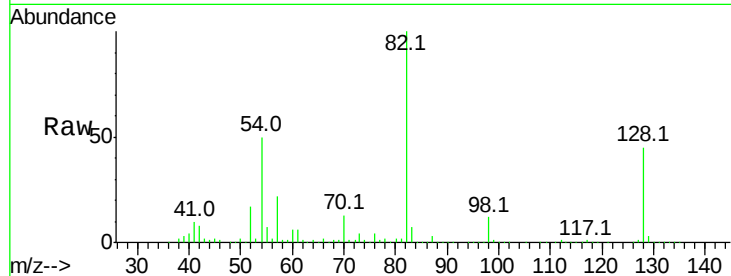




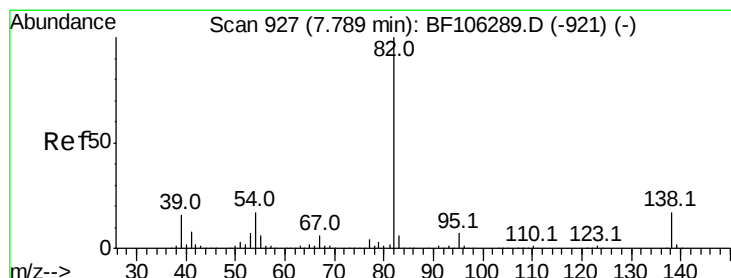
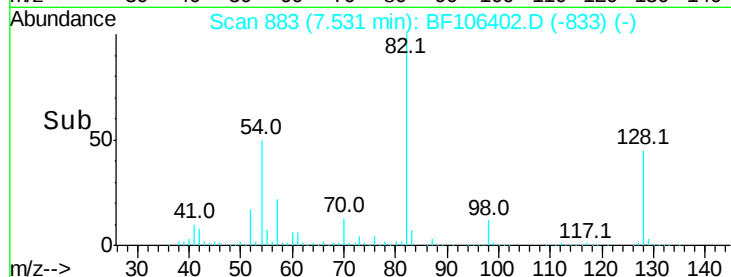
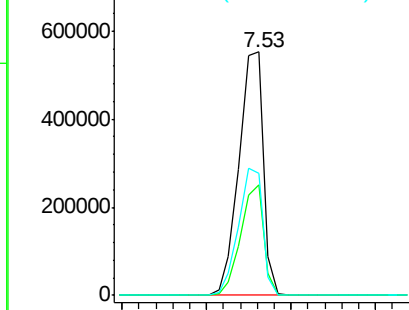
#23
 Nitrobenzene-d5
 Concen: 57.193 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF106402.D
 Acq: 13 Jun 2018 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	555697
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.1	54.1
54	49.9	41.4	62.2

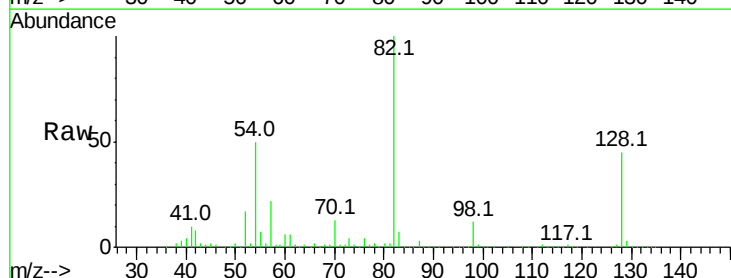


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

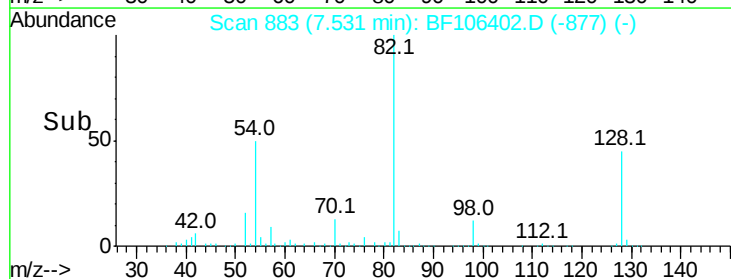
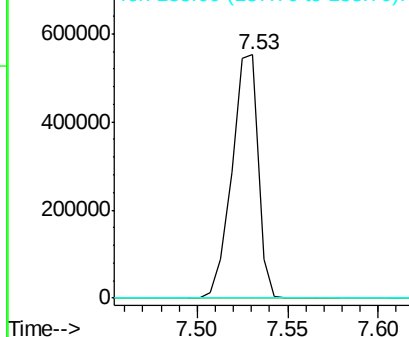


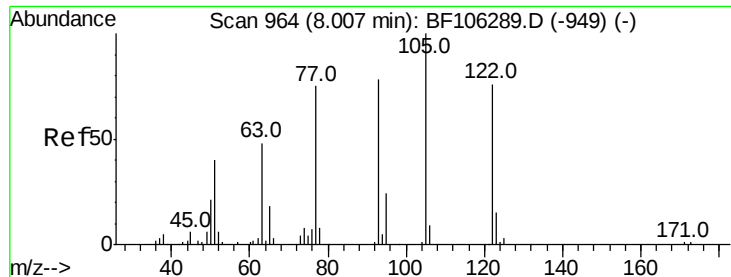
#25
 Isophorone
 Concen: 29.286 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF106402.D
 Acq: 13 Jun 2018 20:15

Tgt Ion	82	Resp	555794
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



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

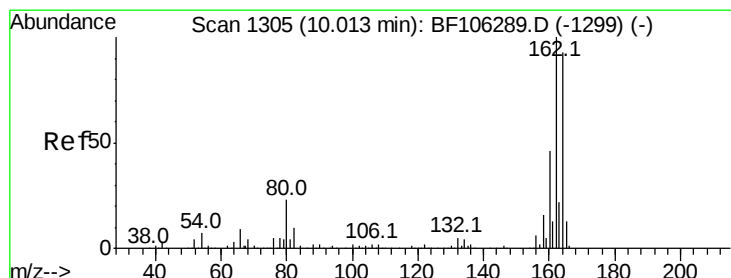
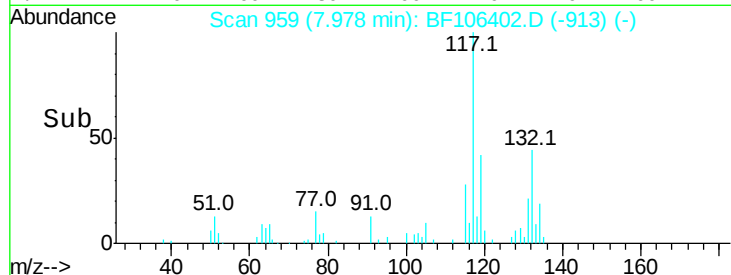
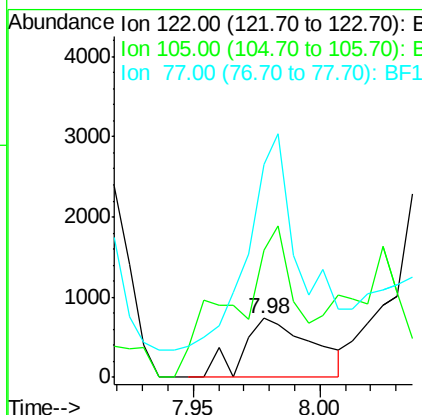
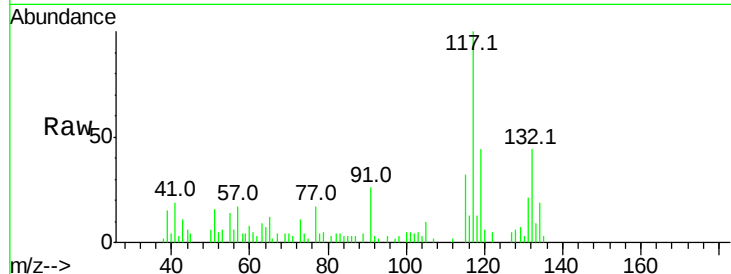




#32
Benzoic acid
Concen: 7.488 ng
RT: 7.98 min Scan# 959
Delta R.T. -0.03 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

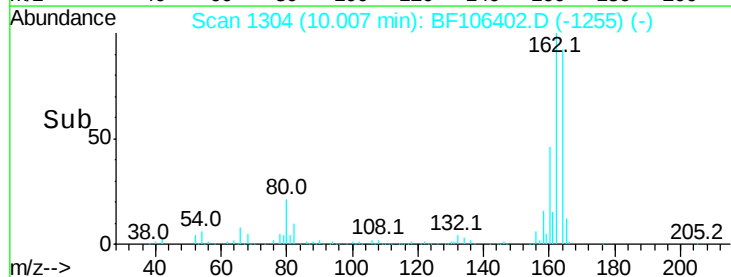
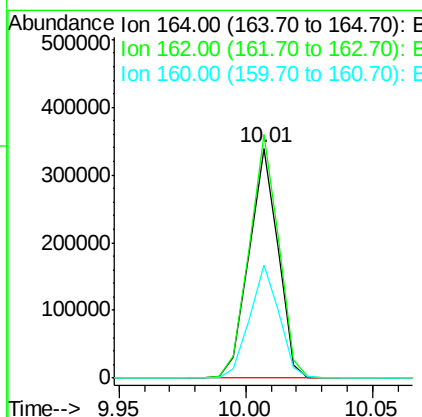
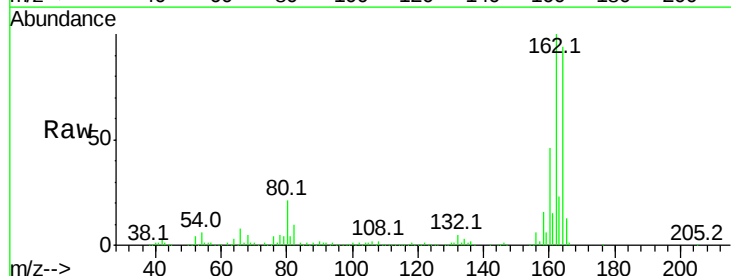
Instrument :
BNA_F
ClientSampleId :

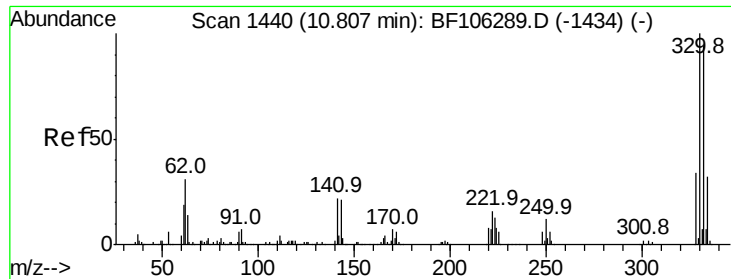
Tot Ion:122 Resp: 1392
Ion Ratio Lower Upper
122 100
105 216.3 101.1 141.1#
77 362.3 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

Tgt Ion:164 Resp: 271107
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 49.0 38.3 57.5

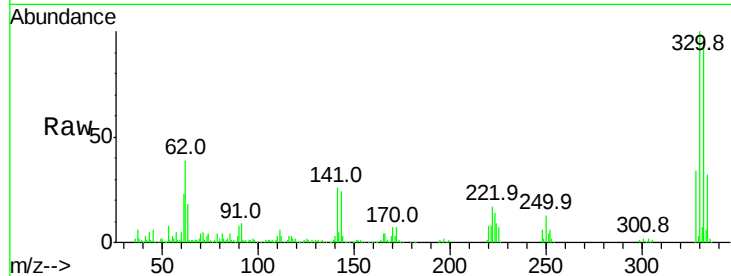




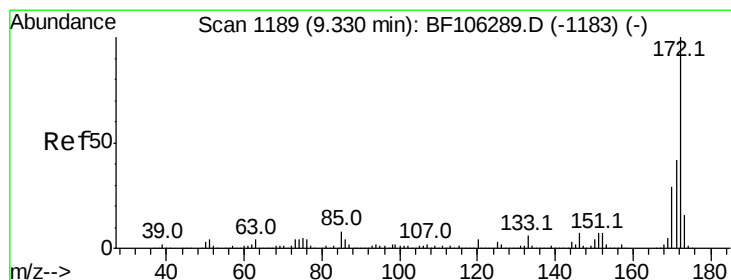
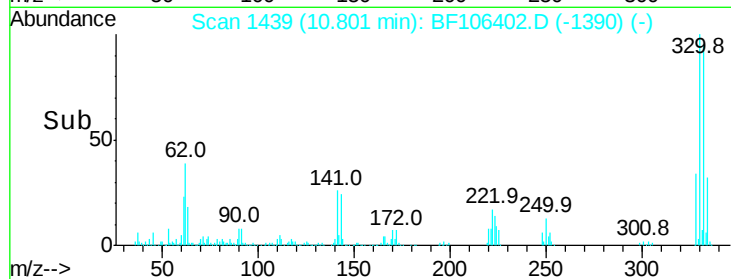
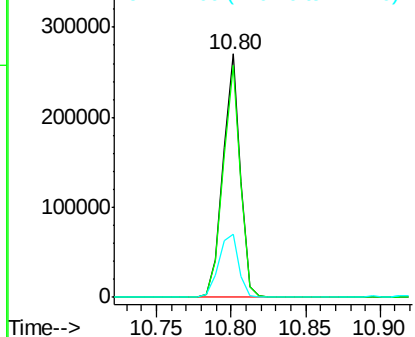
#41
 2,4,6-Tribromophenol
 Concen: 85.258 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106402.D
 Acq: 13 Jun 2018 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	29.7	29.9	44.9#

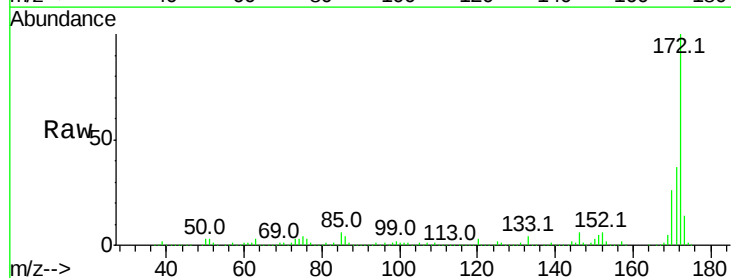


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

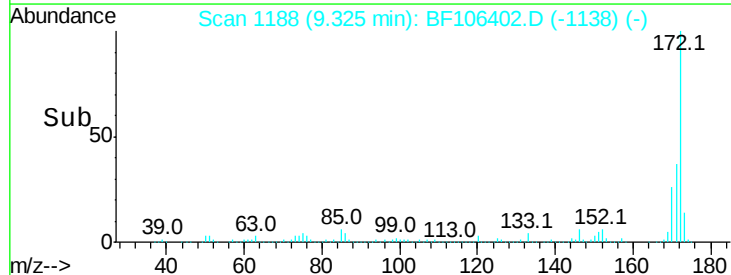
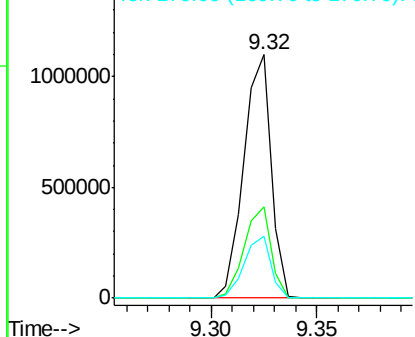


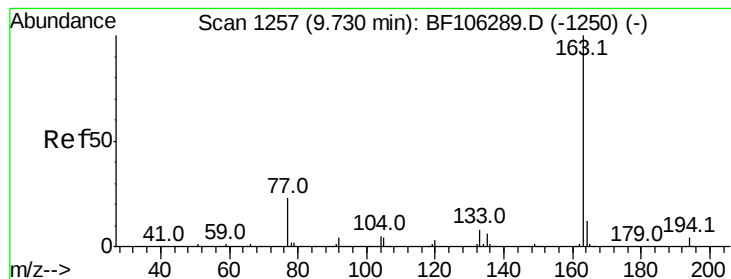
#44
 2-Fluorobiphenyl
 Concen: 58.190 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106402.D
 Acq: 13 Jun 2018 20:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.7	44.5
170	25.6	19.6	29.4



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





#49

Dimethylphthalate

Concen: 7.758 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

Instrument :

BNA_F

ClientSampled :

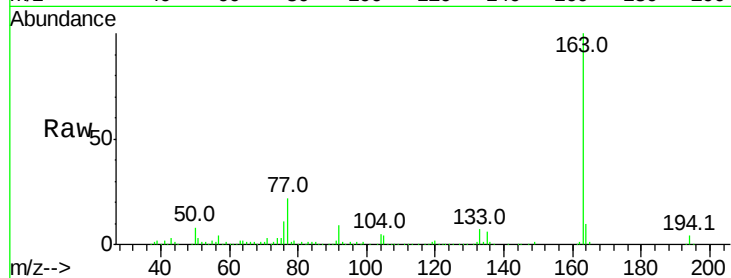
Tot Ion:163 Resp: 150267

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

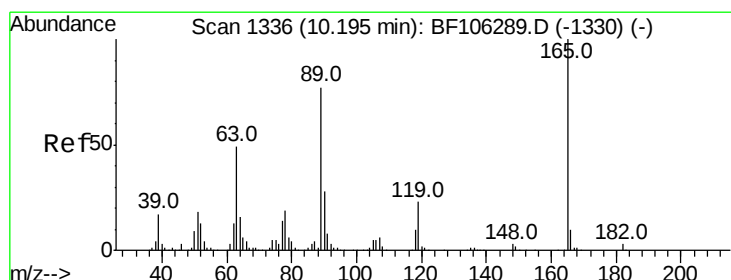
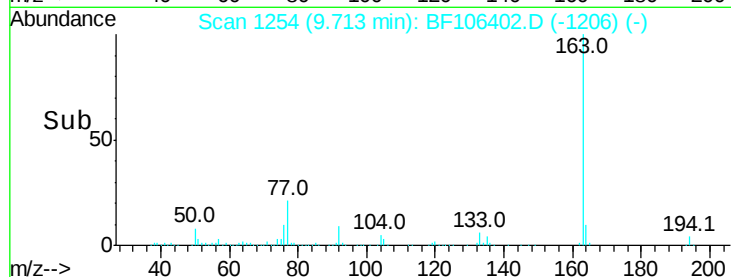
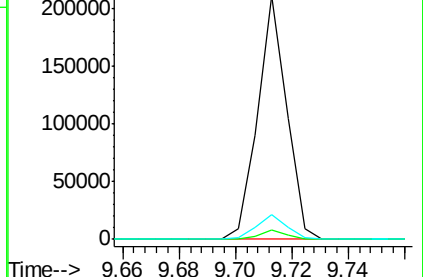
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 7.230 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

Tgt Ion:165 Resp: 35921

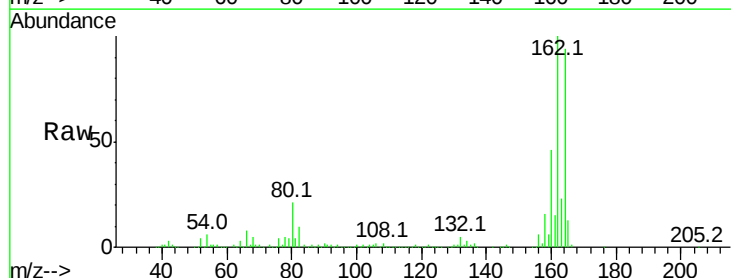
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

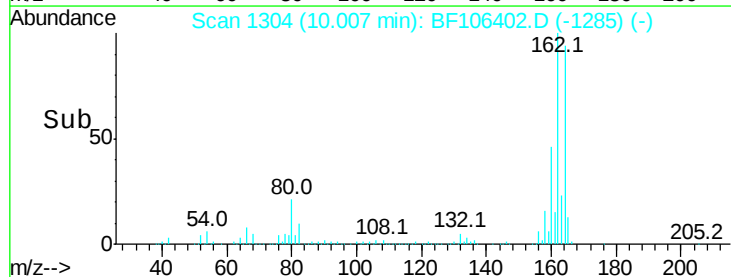
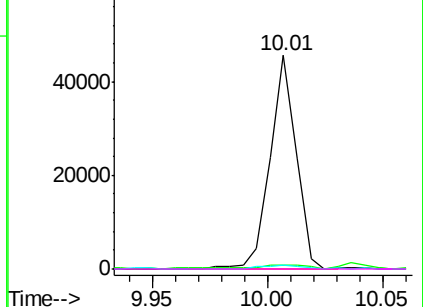


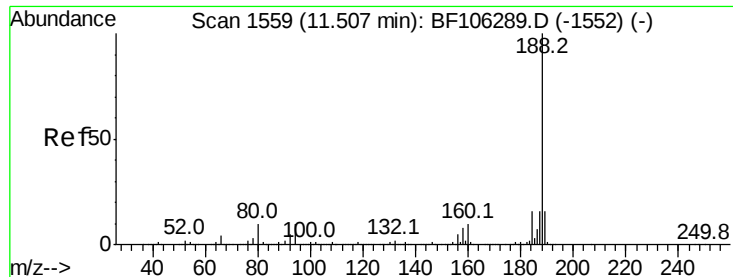
Abundance Ion 165.00 (164.70 to 165.70): E

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

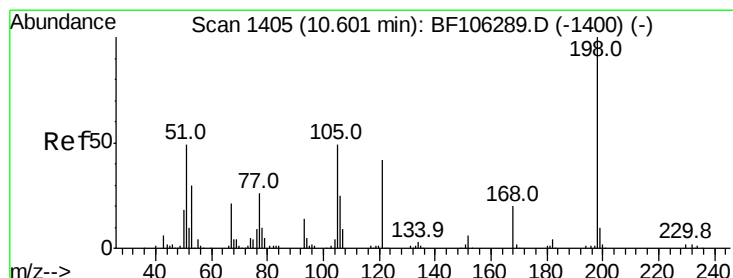
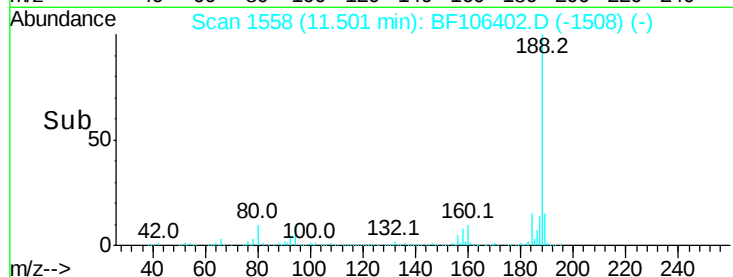
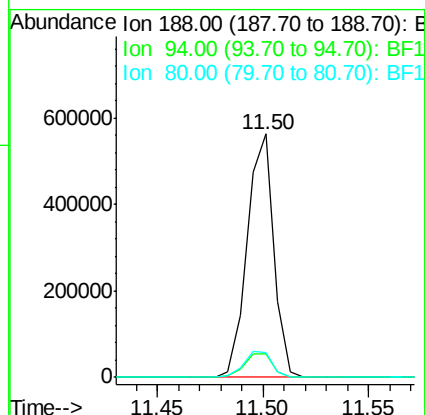
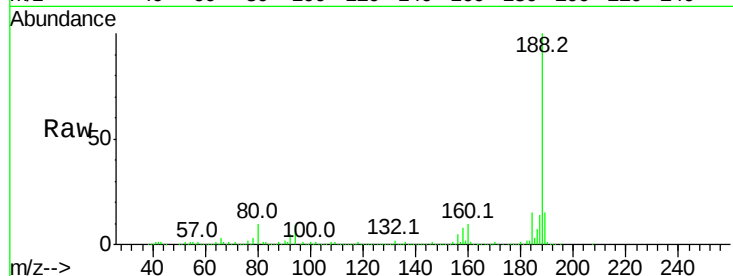




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

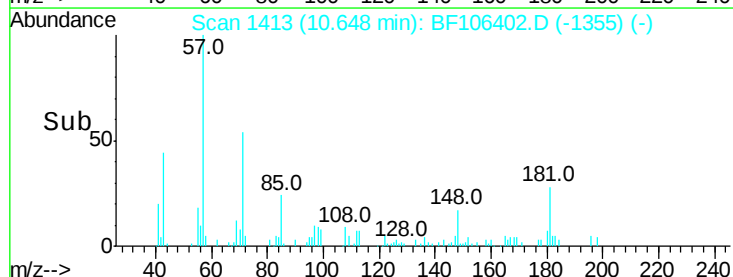
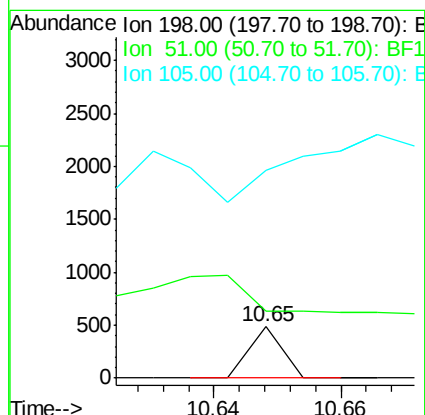
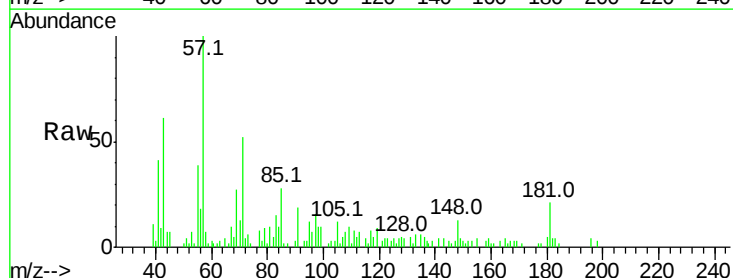
Instrument :
BNA_F
ClientSampleId :

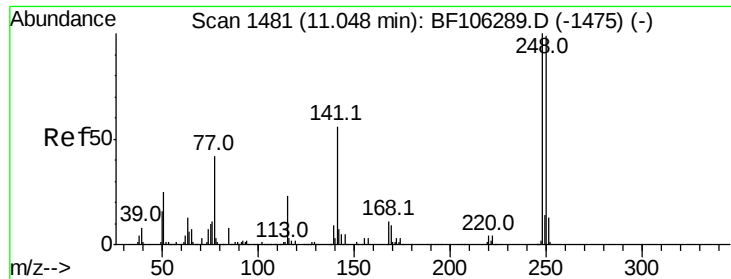
Tot Ion:188 Resp: 488399
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.351 ng
RT: 10.65 min Scan# 1413
Delta R.T. 0.04 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

Tgt Ion:198 Resp: 171
Ion Ratio Lower Upper
198 100
51 129.0 37.7 77.7#
105 404.1 36.3 76.3#

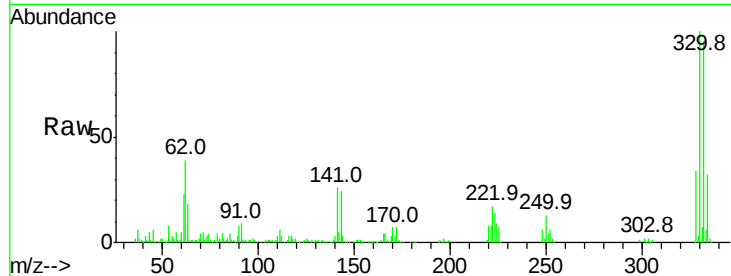




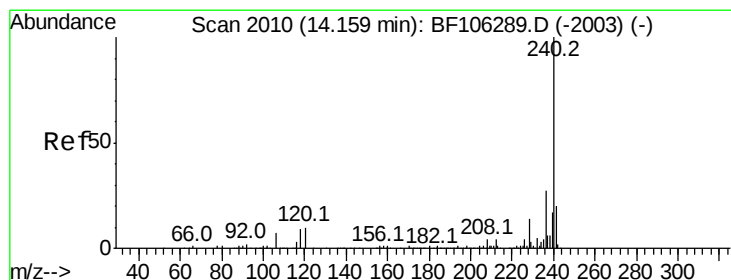
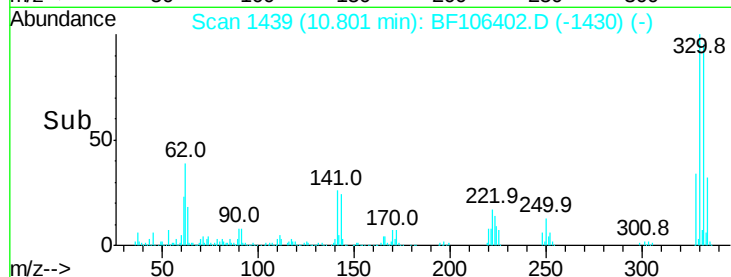
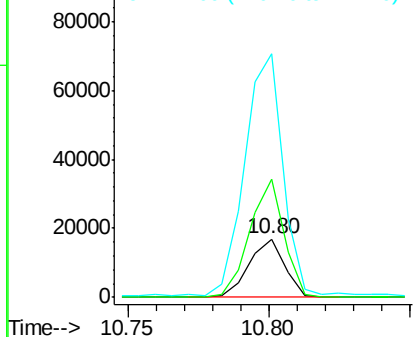
#66
4-Bromophenyl-phenylether
Concen: 2.671 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14837
Ion Ratio Lower Upper
248 100
250 202.9 76.9 115.3#
141 419.0 74.4 111.6#

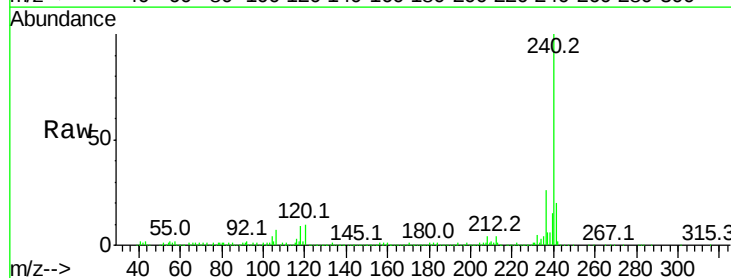


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

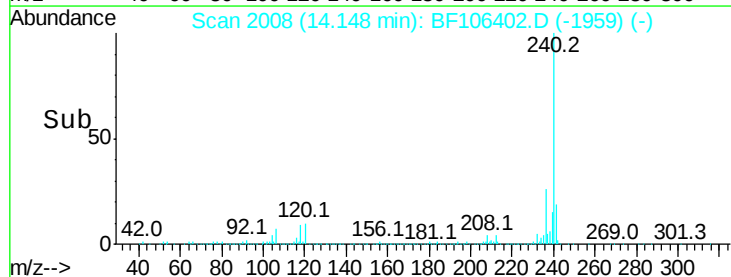
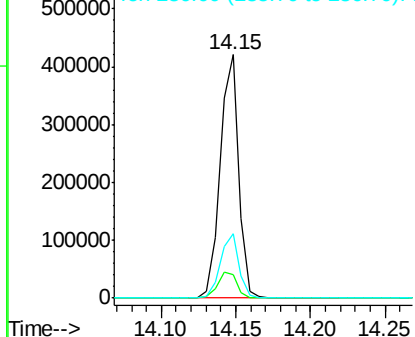


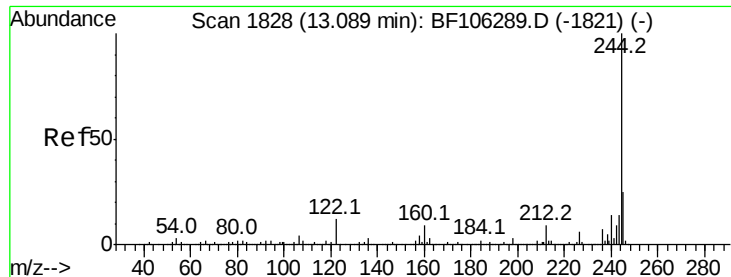
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106402.D
Acq: 13 Jun 2018 20:15

Tgt Ion:240 Resp: 368506
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 26.4 20.7 31.1



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

Terphenyl-d14

Concen: 58.145 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

Instrument :

BNA_F

ClientSampled :

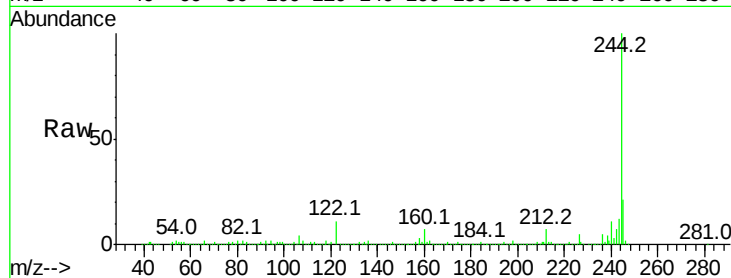
Tot Ion:244 Resp: 862672

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

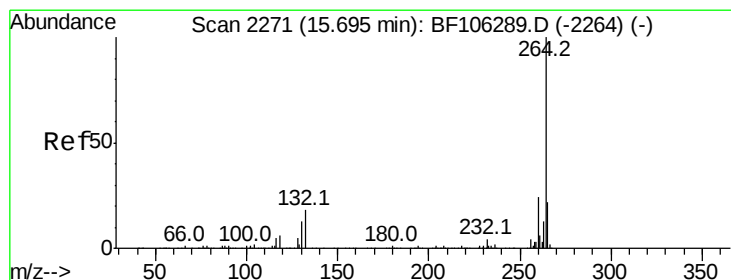
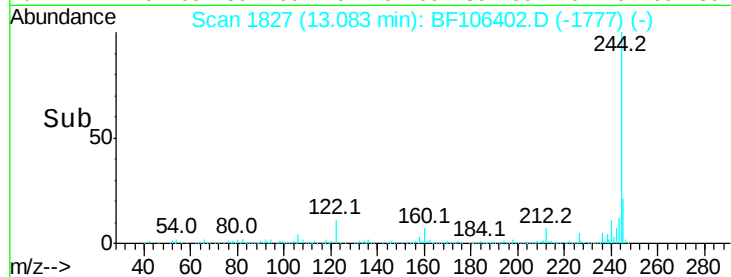
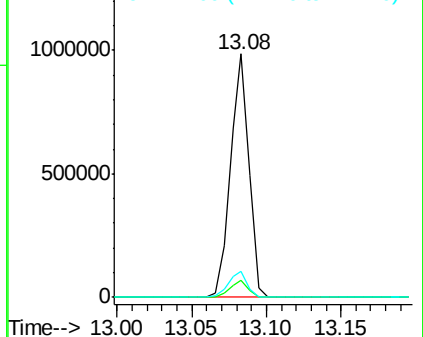
122 10.6 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF106402.D

Acq: 13 Jun 2018 20:15

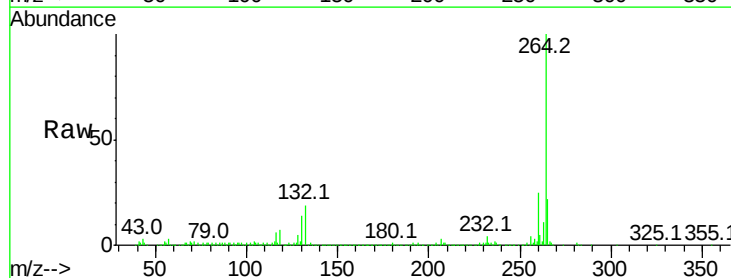
Tgt Ion:264 Resp: 368580

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 21.7 17.5 26.3



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

