

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102032.D
 Acq On : 11 Jan 2018 21:27
 Operator : SJ/JU
 Sample : J1062-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMP

Quant Time: Jan 11 23:44:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	217430	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	870239	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	371812	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	586829	20.00	ng	0.00
75) Chrysene-d12	13.87	240	358362	20.00	ng	0.00
86) Perylene-d12	15.29	264	376024	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1459130	94.76	ng	0.01
7) Phenol-d6	6.36	99	1768315	96.25	ng	0.00
23) Nitrobenzene-d5	7.29	82	1115657	75.34	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	328838	101.34	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1831128	76.94	ng	0.00
78) Terphenyl-d14	12.83	244	1326882	76.88	ng	0.00

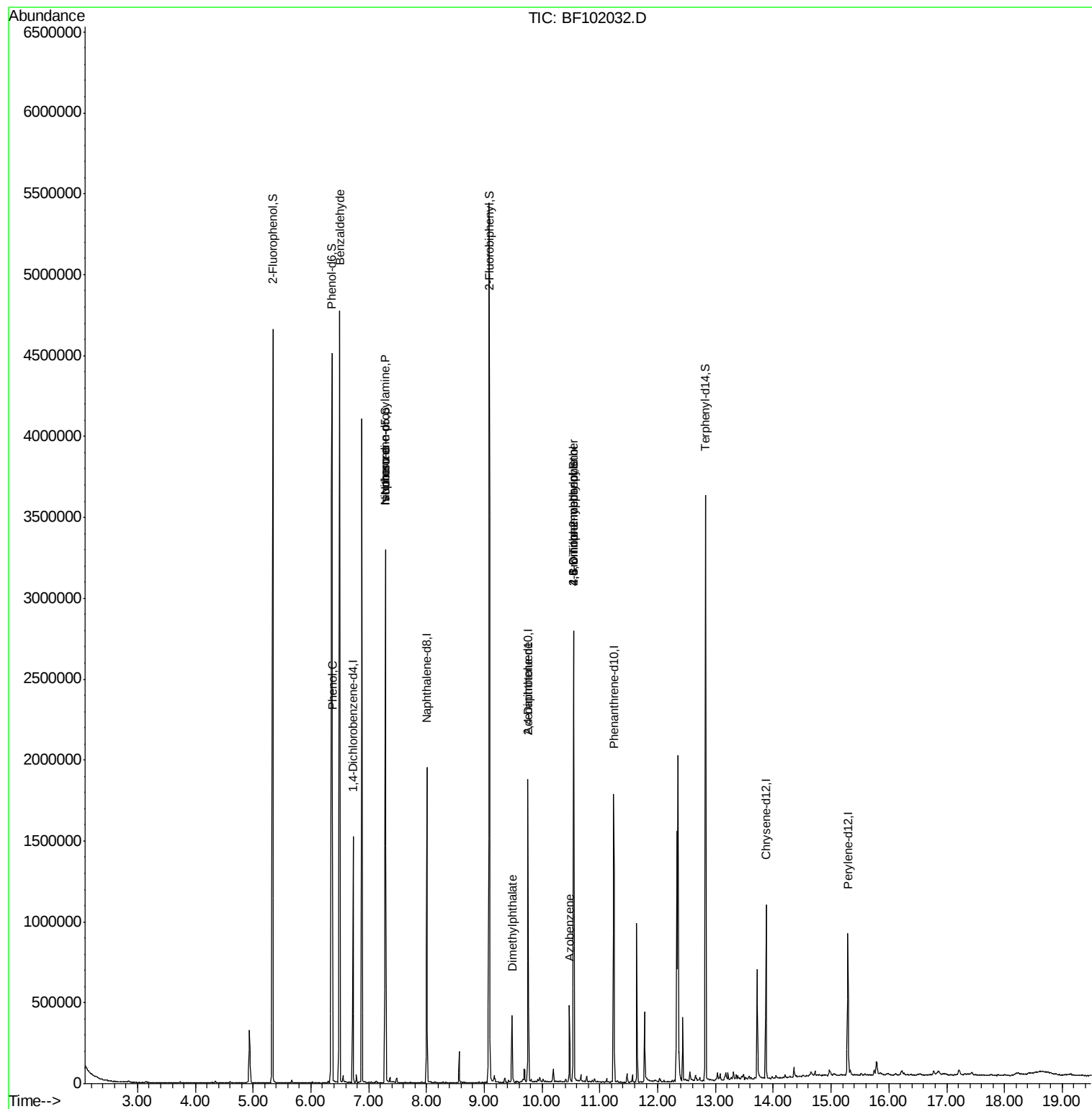
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	31917	2.502	ng	84
10) Phenol	6.37	94	80466	3.876	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	150909	12.535	ng	# 83
25) Isophorone	7.29	82	1115637	38.127	ng	# 64
49) Dimethylphthalate	9.48	163	163558	5.484	ng	99
56) 2,4-Dinitrotoluene	9.76	165	48169	6.450	ng	# 24
62) Azobenzene	10.47	77	73341	2.485	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	655	5.843	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	21683	3.499	ng	# 1

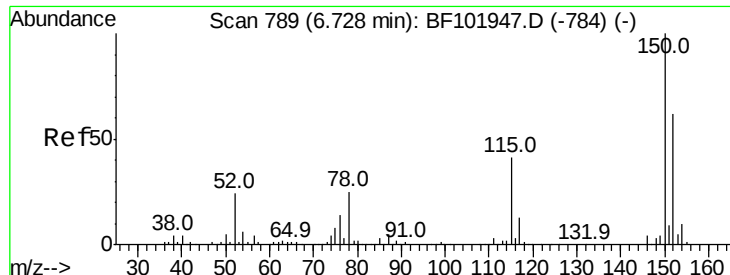
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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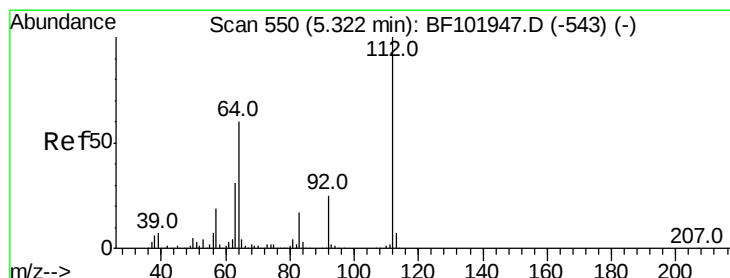
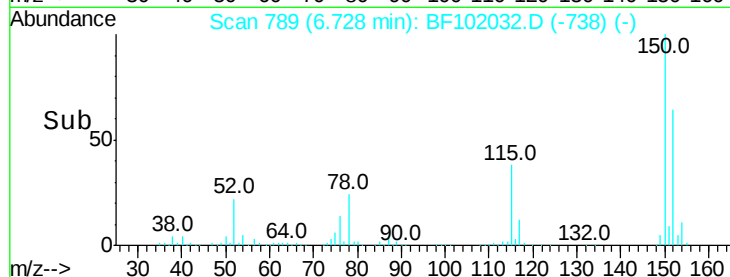
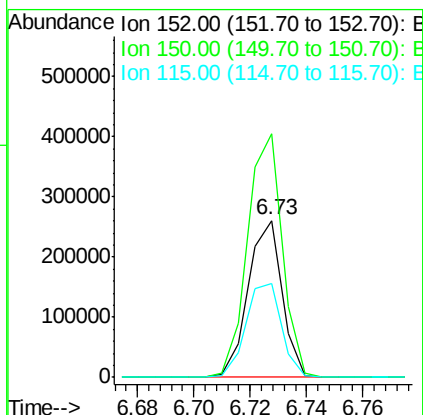
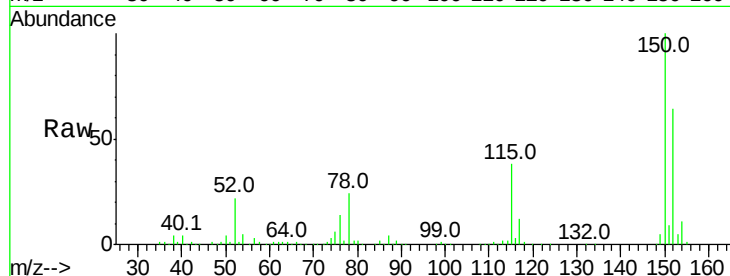


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102032.D
Acq: 11 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :
SB-29-COMP

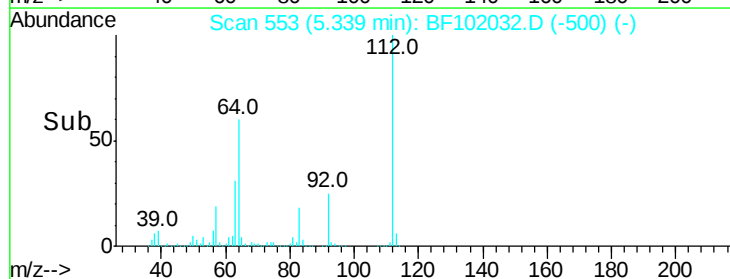
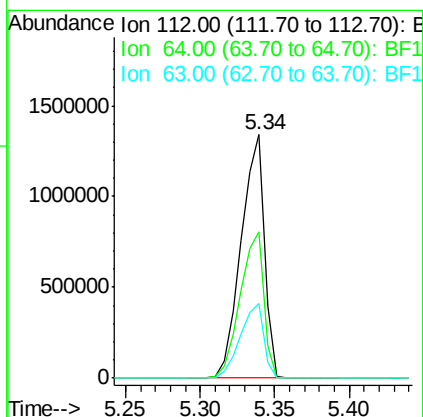
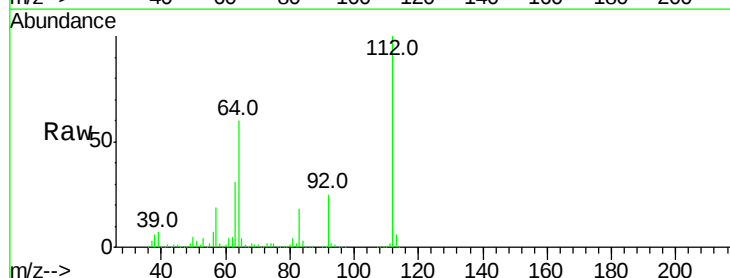
Tot Ion:152 Resp: 217430
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 59.6 50.1 75.1

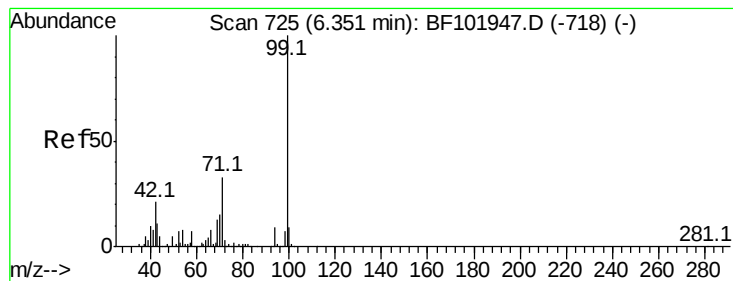


#5

2-Fluorophenol
Concen: 94.762 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102032.D
Acq: 11 Jan 2018 21:27

Tgt Ion:112 Resp: 1459130
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 30.7 23.7 35.5





#7

Phenol-d6

Concen: 96.255 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

SB-29-COMP

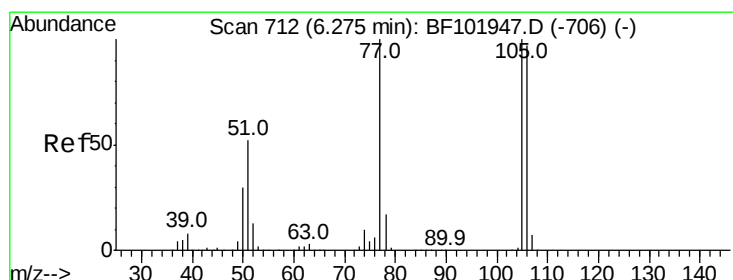
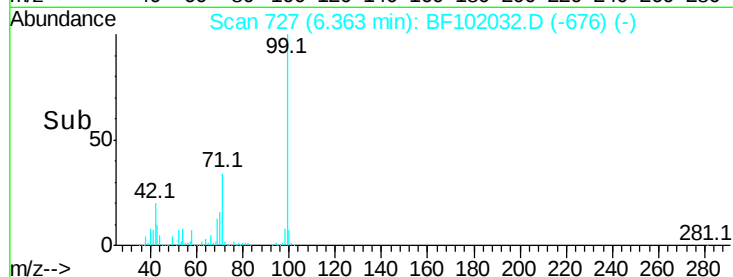
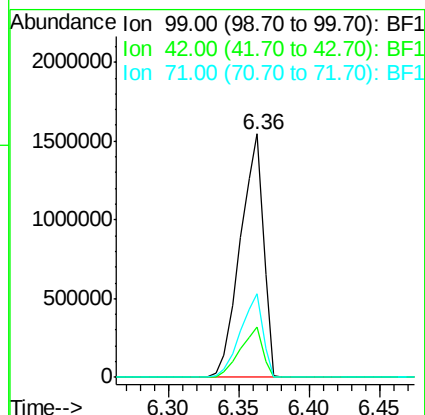
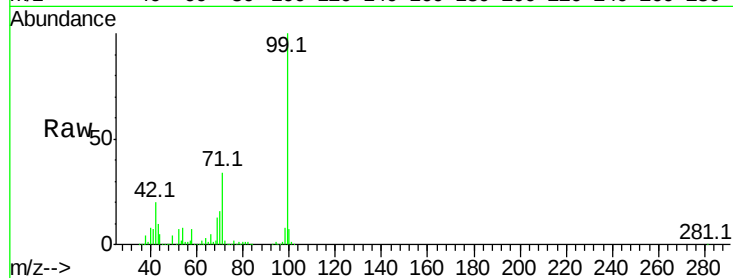
Tot Ion: 99 Resp: 1768315

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 34.1 25.4 38.0



#9

Benzaldehyde

Concen: 2.502 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

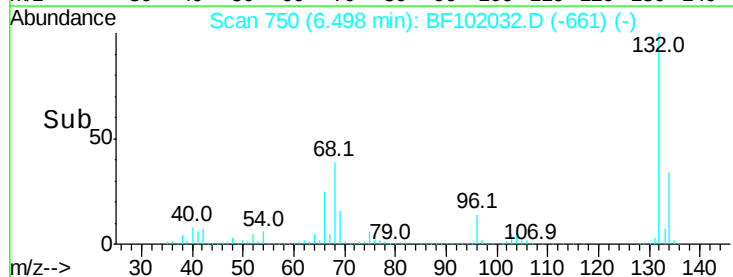
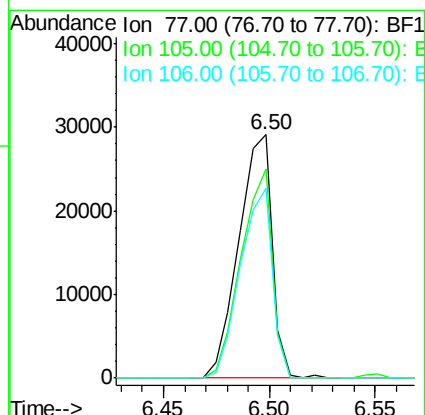
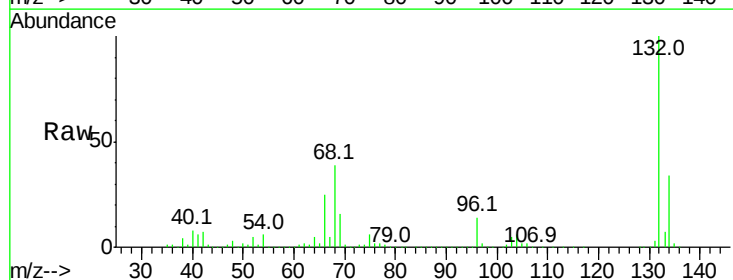
Tgt Ion: 77 Resp: 31917

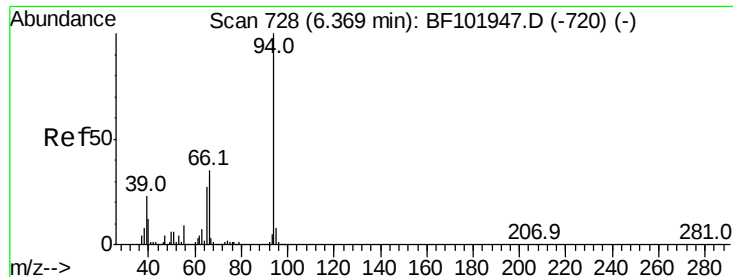
Ion Ratio Lower Upper

77 100

105 85.8 81.1 121.1

106 77.9 74.5 114.5





#10

Phenol

Concen: 3.876 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

SB-29-COMP

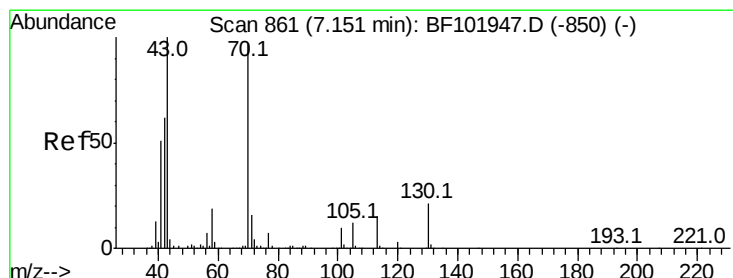
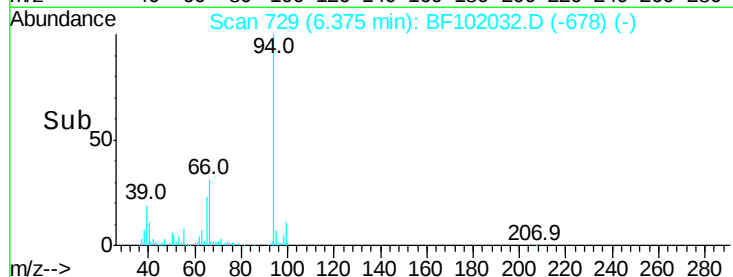
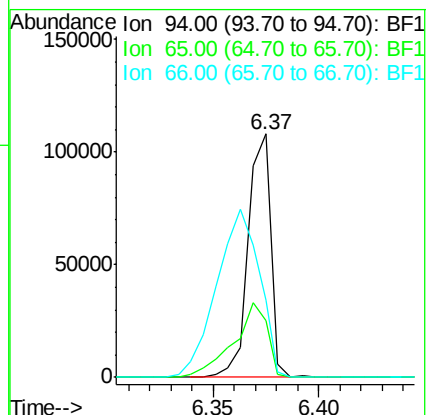
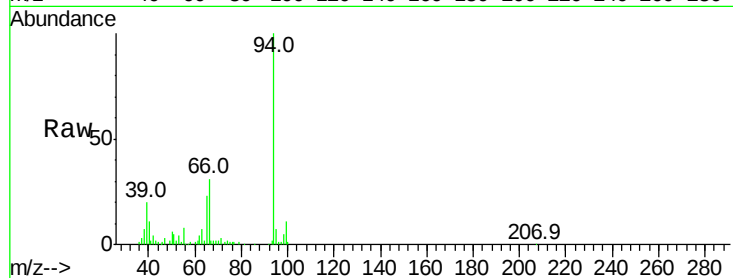
Tot Ion: 94 Resp: 80466

Ion Ratio Lower Upper

94 100

65 23.5 7.9 47.9

66 31.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.535 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Tgt Ion: 70 Resp: 150909

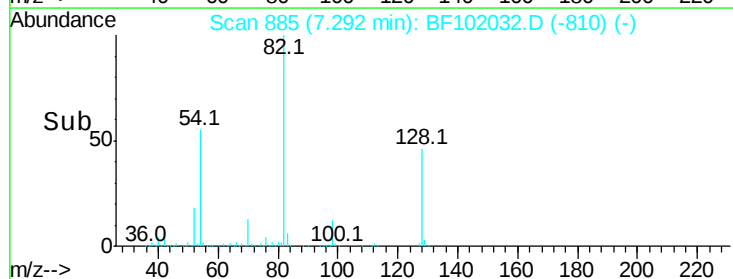
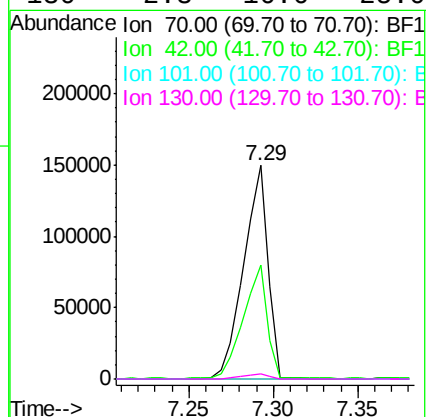
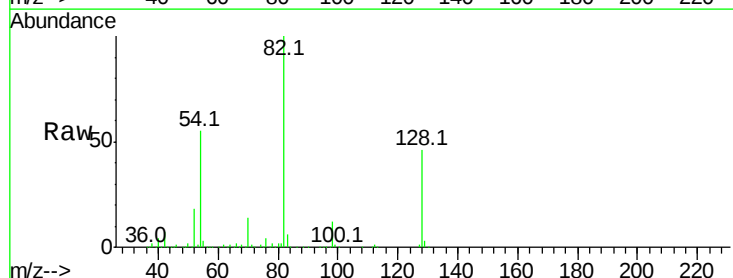
Ion Ratio Lower Upper

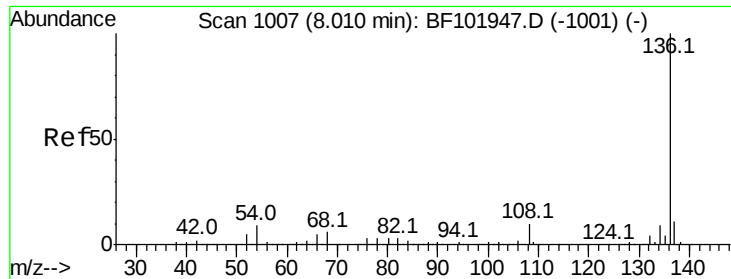
70 100

42 53.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

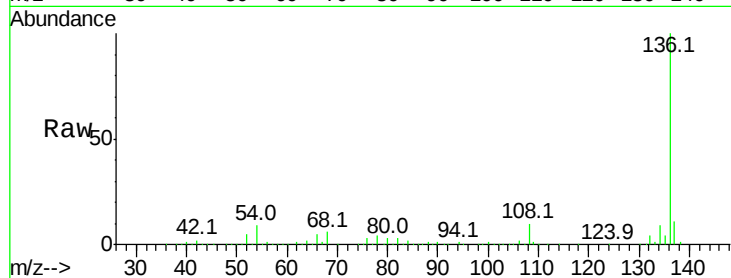




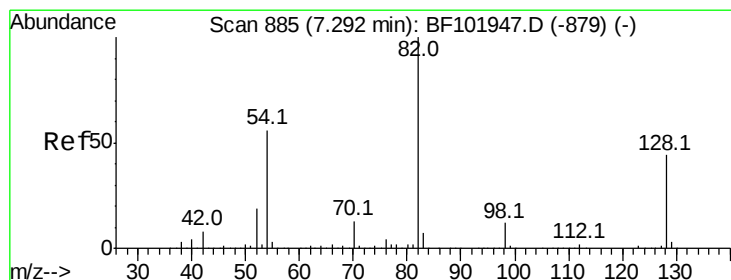
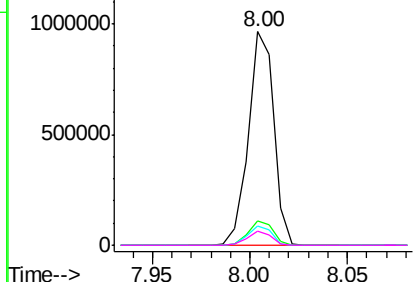
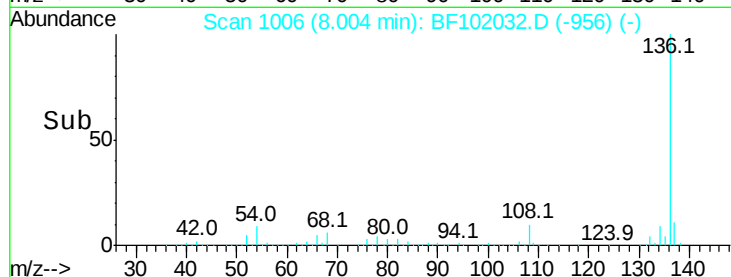
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102032.D
Acq: 11 Jan 2018 21:27

Instrument :
BNA_F
ClientSampled :
SB-29-COMP

Tot Ion:	136	Resp:	870239
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.2	6.6	9.8
68	6.4	5.0	7.4

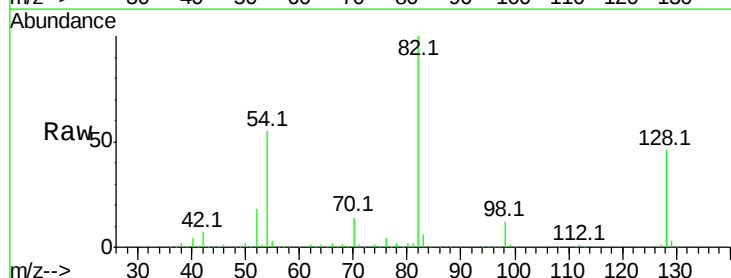


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

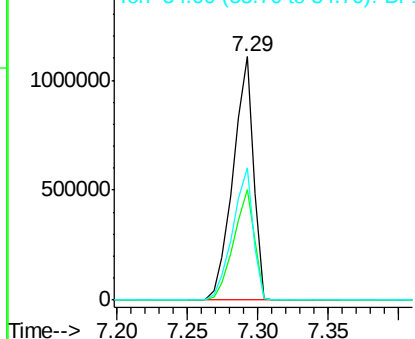
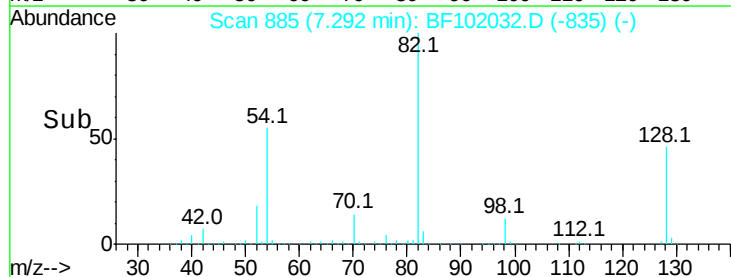


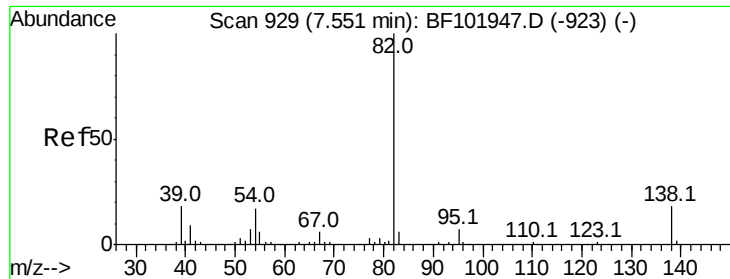
#23
Nitrobenzene-d5
Concen: 75.336 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102032.D
Acq: 11 Jan 2018 21:27

Tgt Ion:	82	Resp:	1115657
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	54.6	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.127 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

SB-29-COMP

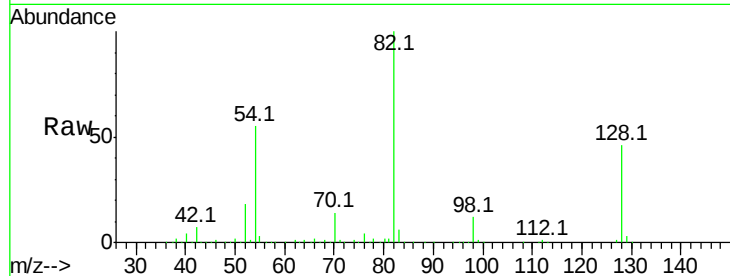
Tot Ion: 82 Resp: 1115637

Ion Ratio Lower Upper

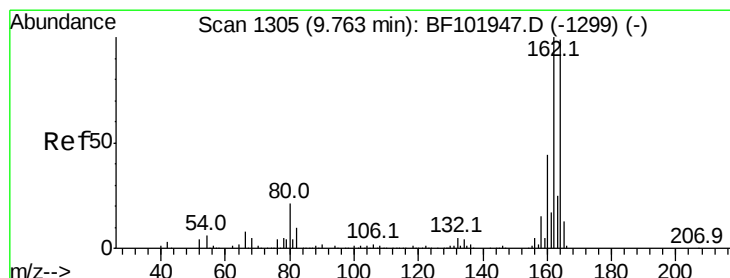
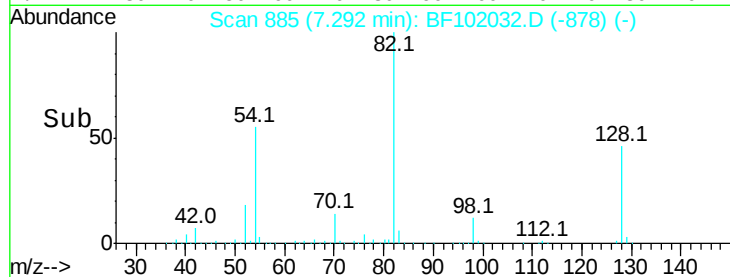
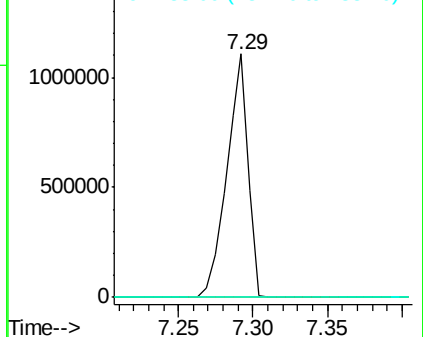
82 100

95 0.0 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

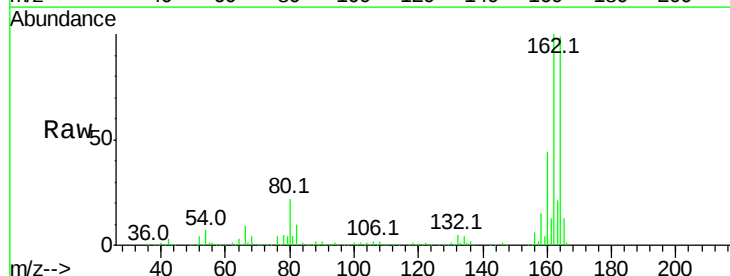
Tgt Ion:164 Resp: 371812

Ion Ratio Lower Upper

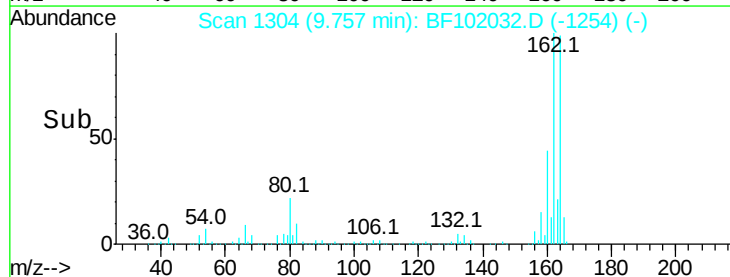
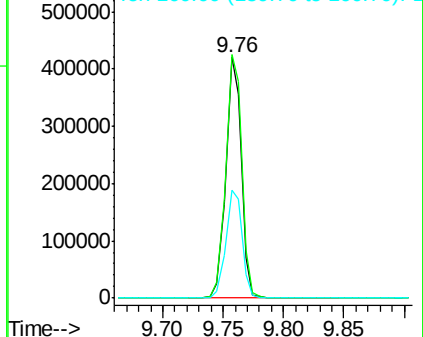
164 100

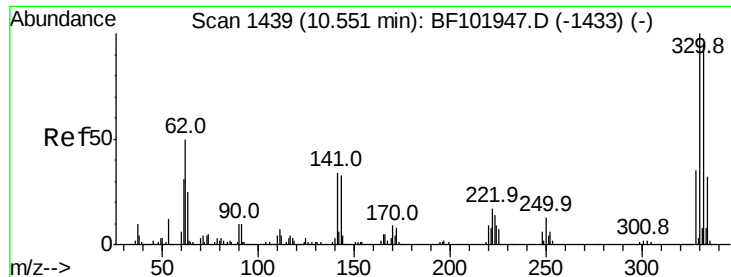
162 101.2 86.1 129.1

160 45.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

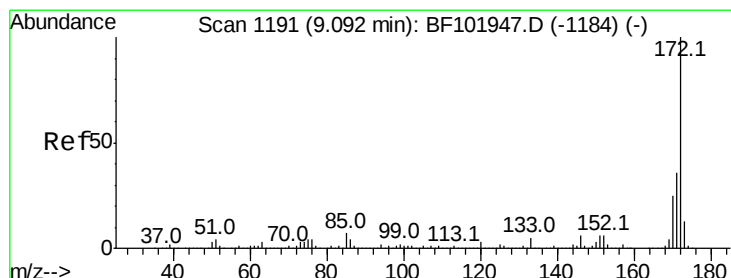
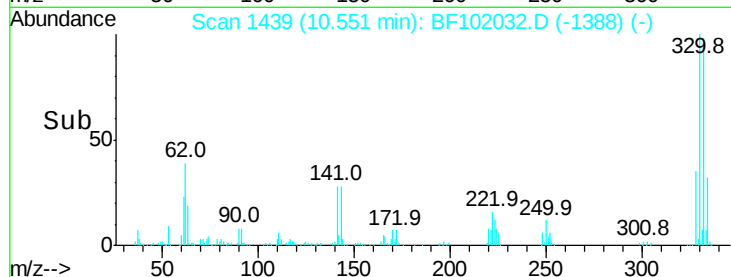
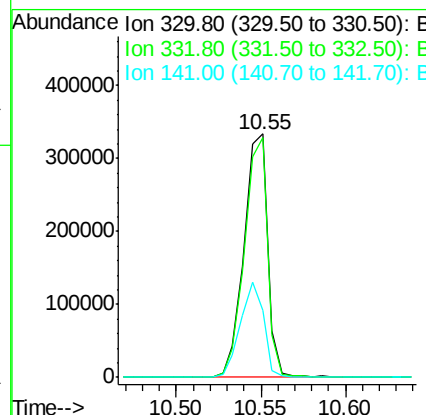
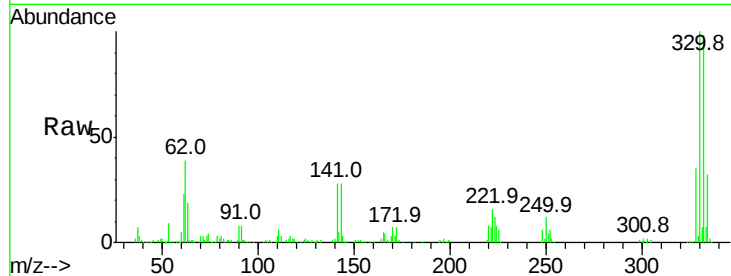




#41
 2,4,6-Tribromophenol
 Concen: 101.344 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF102032.D
 Acq: 11 Jan 2018 21:27

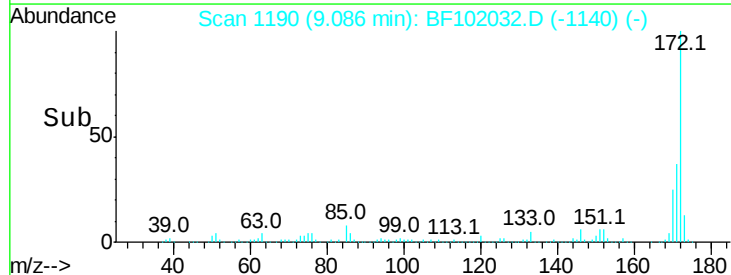
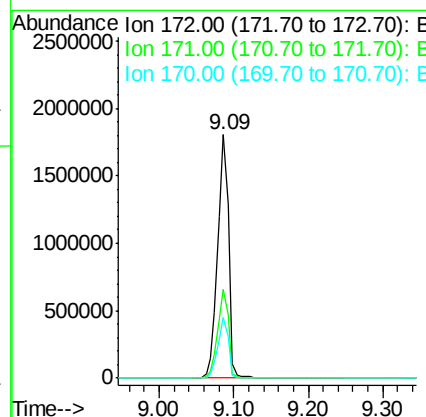
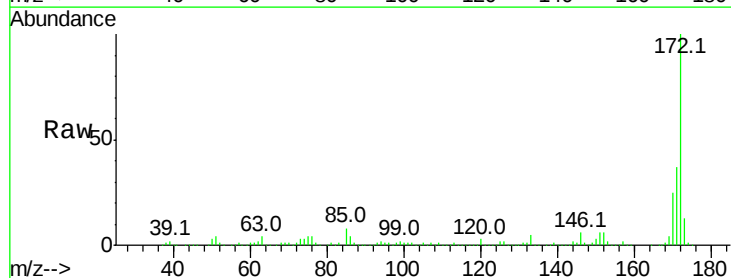
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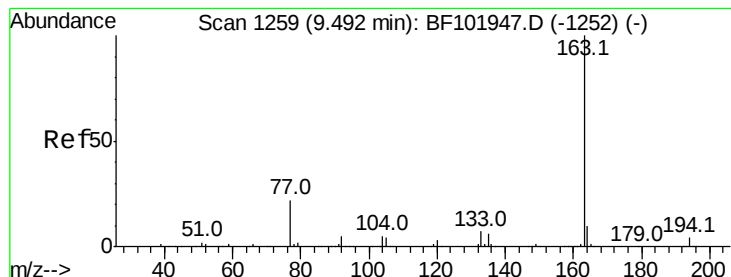
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	38.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 76.940 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF102032.D
 Acq: 11 Jan 2018 21:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.7	19.6	29.4





#49

Dimethylphthalate

Concen: 5.484 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Instrument :

BNA_F

ClientSampled :

SB-29-COMP

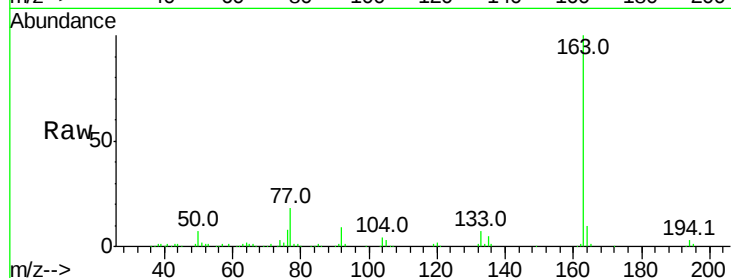
Tot Ion:163 Resp: 163558

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

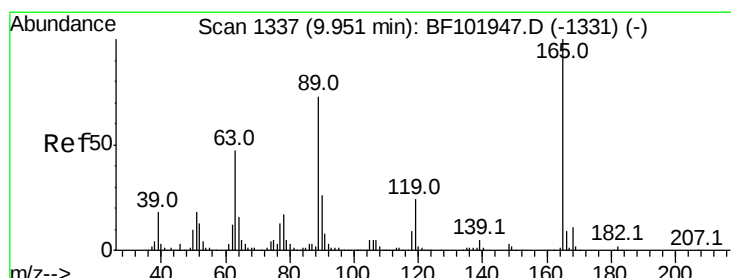
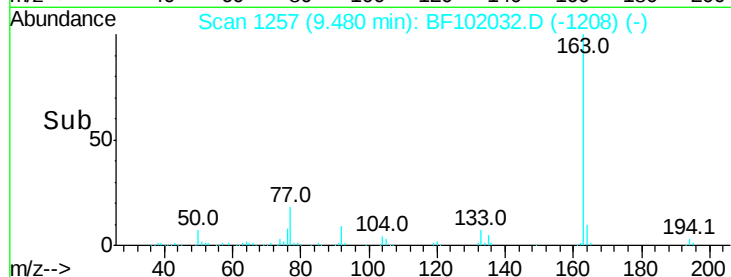
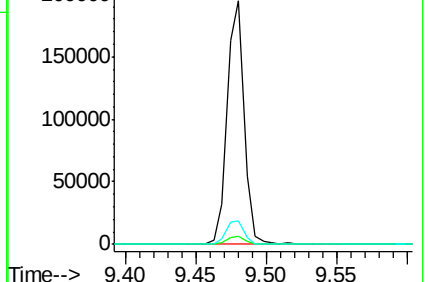
164 9.7 8.2 12.2



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: 6.450 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Tgt Ion:165 Resp: 48169

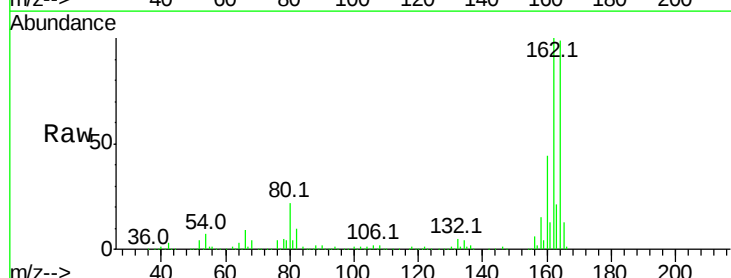
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

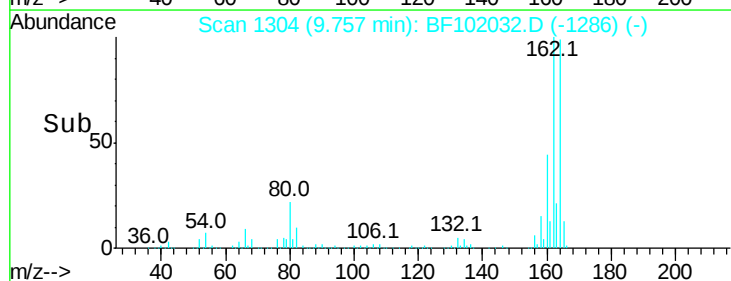
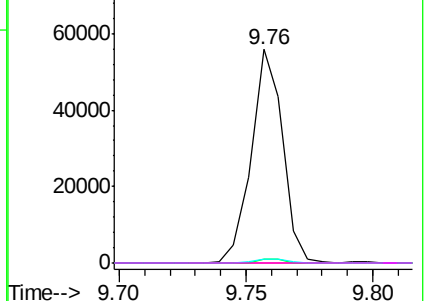


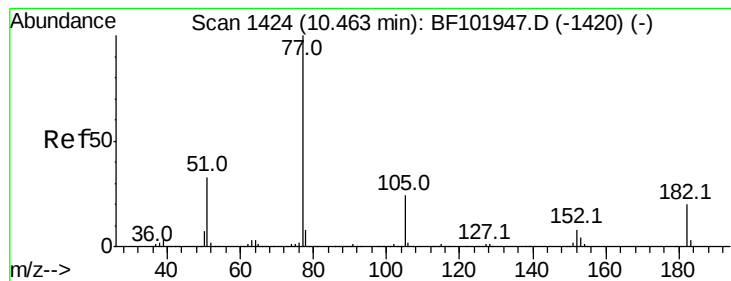
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 2.485 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

SB-29-COMP

Tot Ion: 77 Resp: 73341

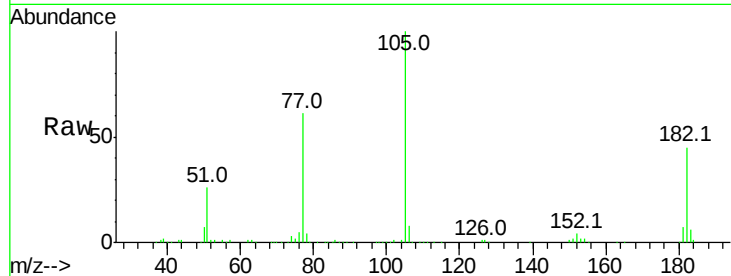
Ion Ratio Lower Upper

77 100

182 74.7 1.7 41.7#

105 165.1 3.0 43.0#

51 43.3 9.9 49.9

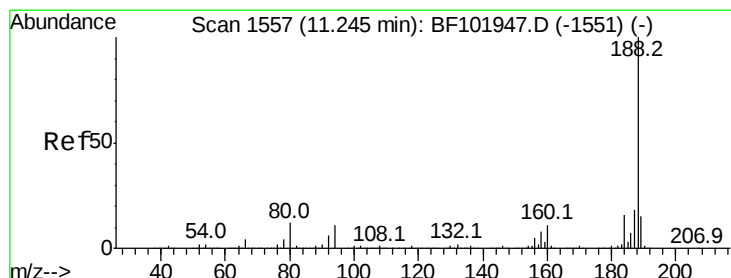
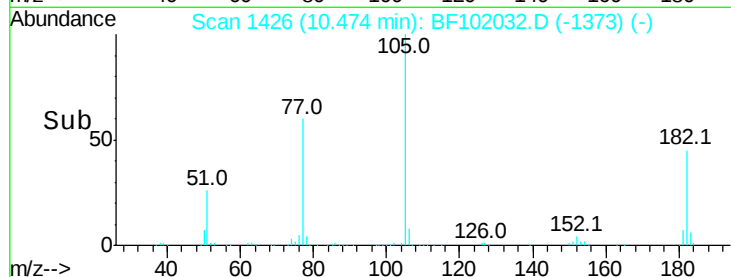
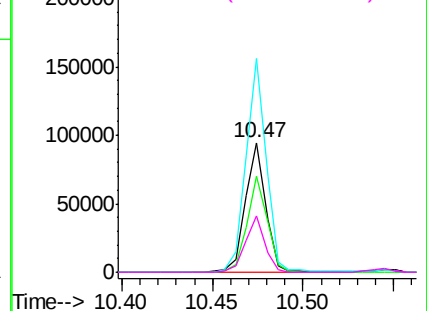


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

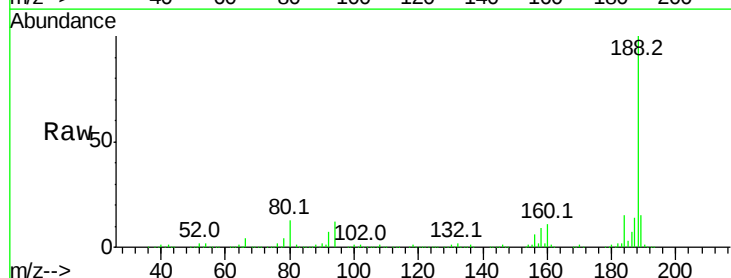
Tgt Ion: 188 Resp: 586829

Ion Ratio Lower Upper

188 100

94 12.3 8.5 12.7

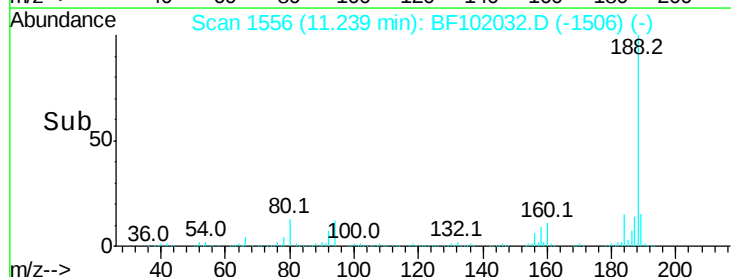
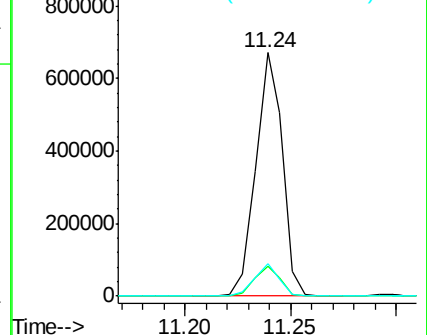
80 13.2 9.2 13.8

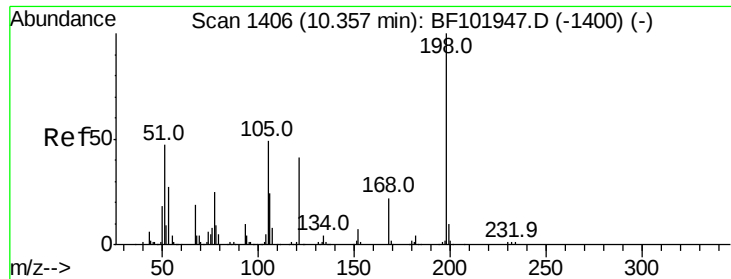


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

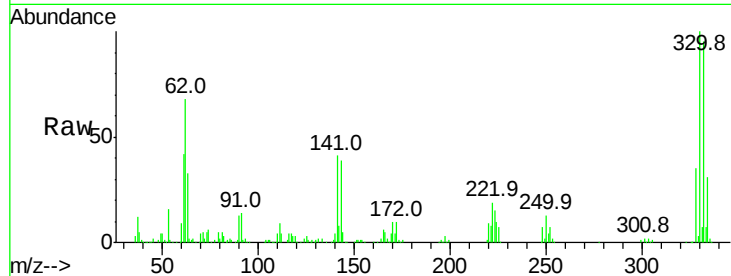




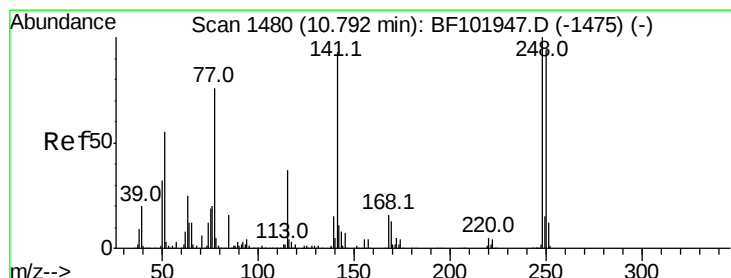
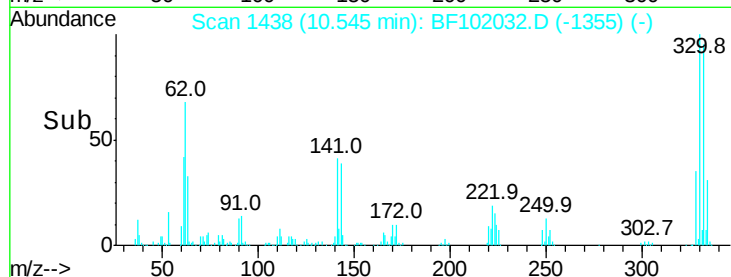
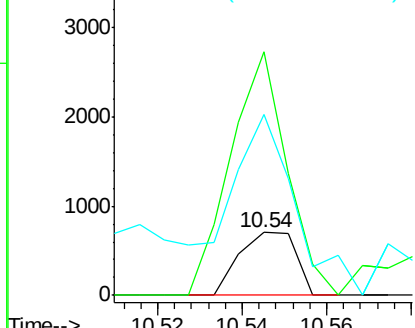
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.843 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF102032.D
 Acq: 11 Jan 2018 21:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMP

Tot Ion:198 Resp: 655
 Ion Ratio Lower Upper
 198 100
 51 386.0 37.7 77.7#
 105 287.7 36.3 76.3#

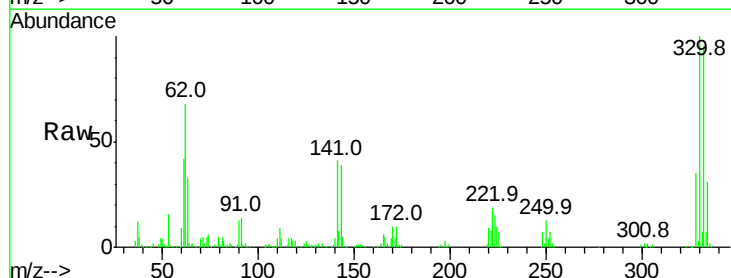


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

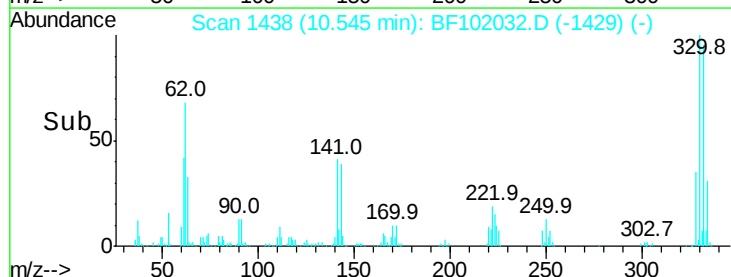
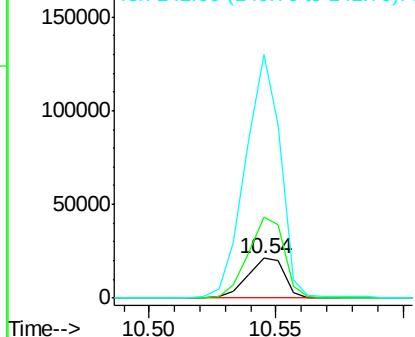


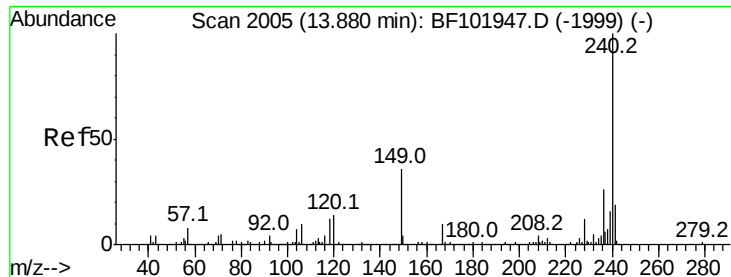
#66
 4-Bromophenyl-phenylether
 Concen: 3.499 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102032.D
 Acq: 11 Jan 2018 21:27

Tgt Ion:248 Resp: 21683
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.9 115.3#
 141 610.0 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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

SB-29-COMP

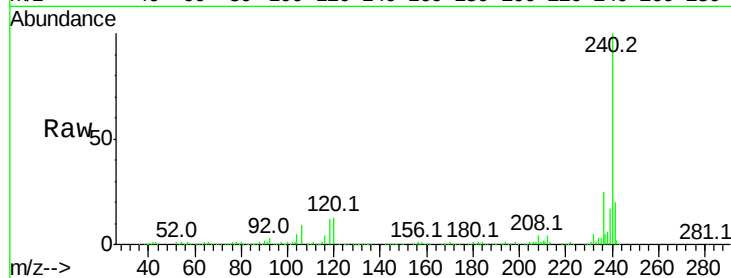
Tot Ion:240 Resp: 358362

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

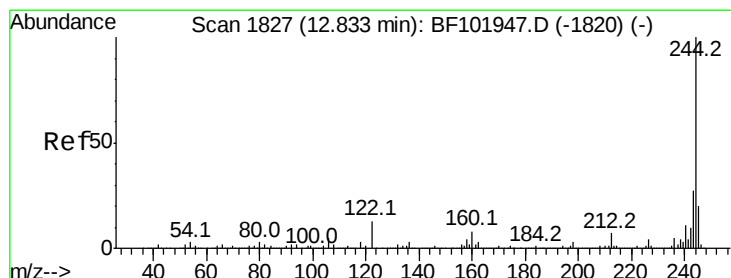
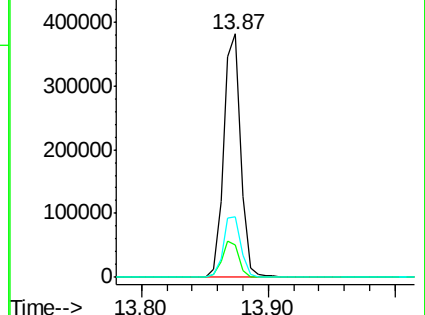
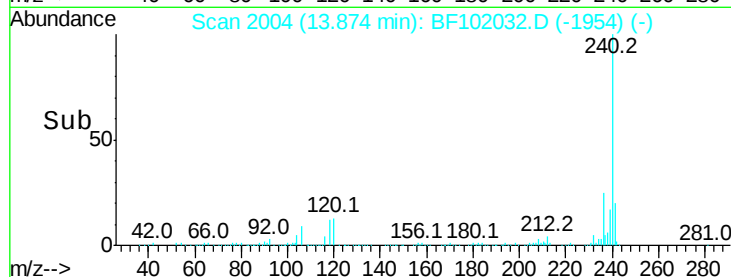
236 24.8 20.7 31.1



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: 76.876 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF102032.D

Acq: 11 Jan 2018 21:27

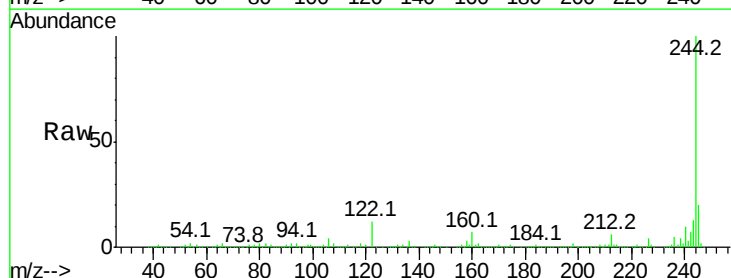
Tgt Ion:244 Resp: 1326882

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

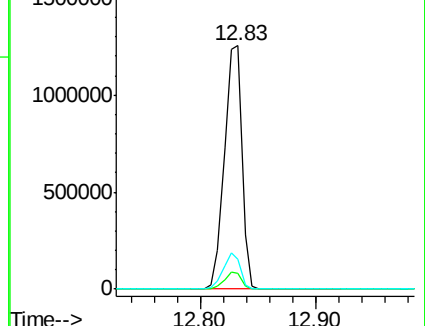
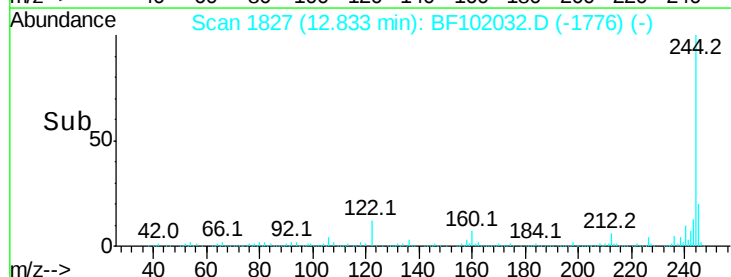
122 12.2 11.0 16.4

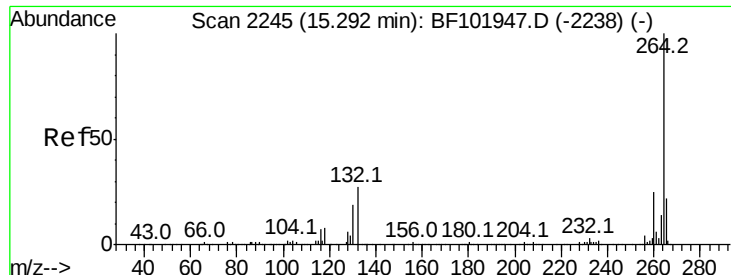


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

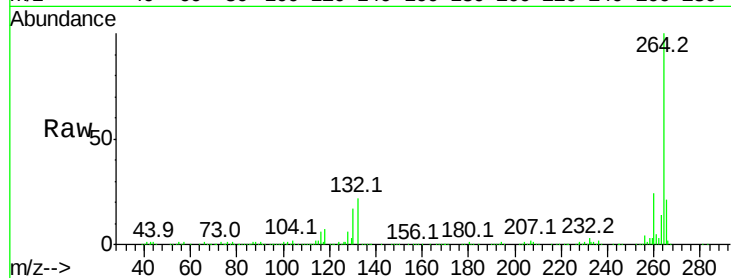




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102032.D
Acq: 11 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :
SB-29-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.4	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

