

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102028.D
 Acq On : 11 Jan 2018 19:40
 Operator : SJ/JU
 Sample : J1062-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Quant Time: Jan 11 23:42:58 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	195767	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	766053	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	301402	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	411419	20.00	ng	0.00
75) Chrysene-d12	13.87	240	328324	20.00	ng	0.00
86) Perylene-d12	15.29	264	365655	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1505637	108.60	ng	0.01
7) Phenol-d6	6.36	99	1806674	109.23	ng	0.00
23) Nitrobenzene-d5	7.29	82	1131282	86.78	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	283526	107.79	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1679380	87.05	ng	0.00
78) Terphenyl-d14	12.83	244	998446	63.14	ng	0.00

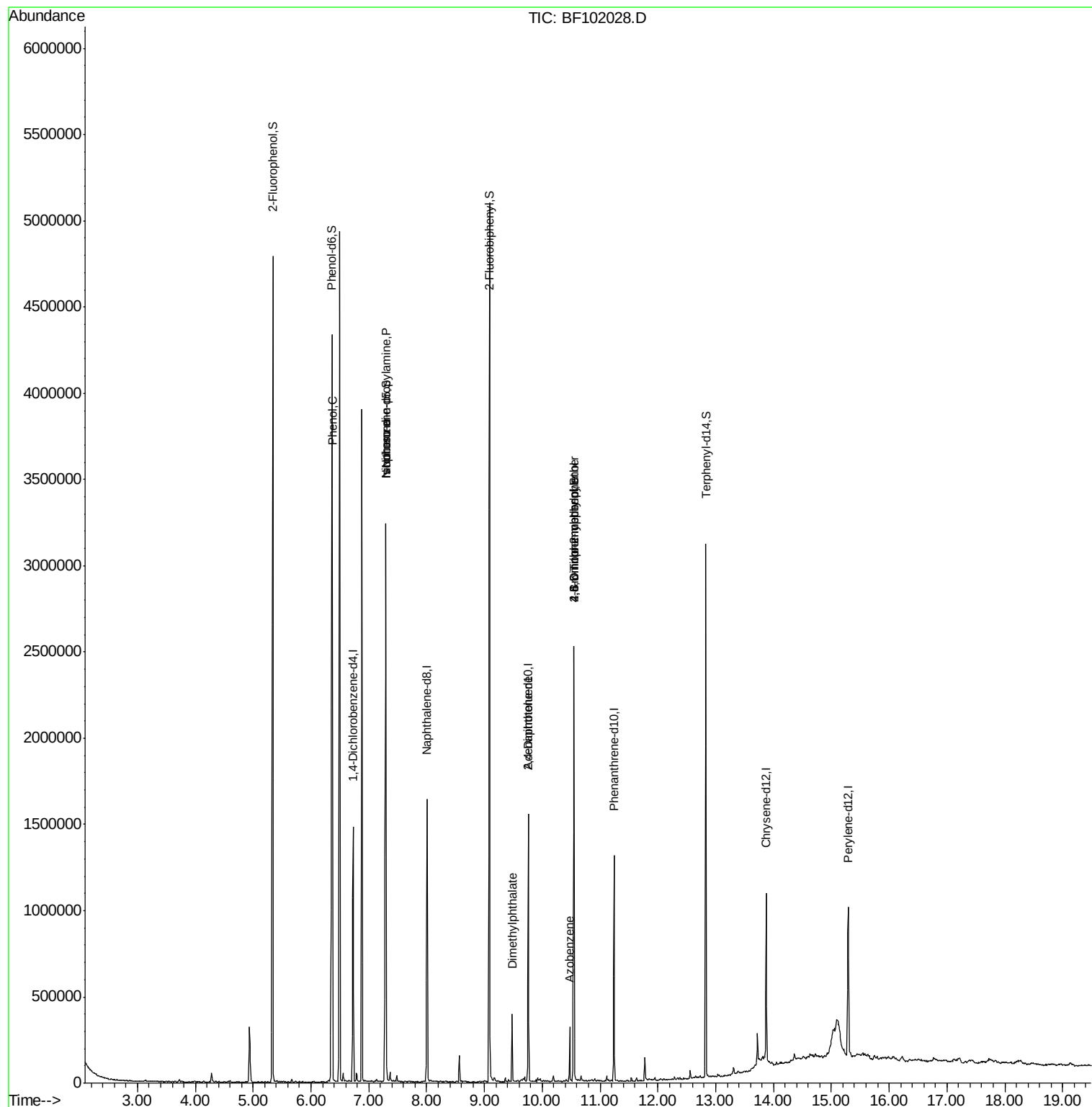
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	86413	4.623	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	153206	14.134	ng	# 82
25) Isophorone	7.29	82	1125064	43.678	ng	# 64
49) Dimethylphthalate	9.48	163	140864	5.826	ng	100
56) 2,4-Dinitrotoluene	9.76	165	38776	6.406	ng	# 23
62) Azobenzene	10.47	77	49400	2.064	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	667	5.925	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	18681	4.300	ng	# 1

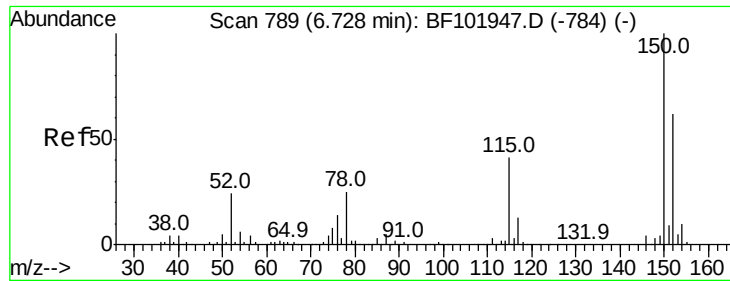
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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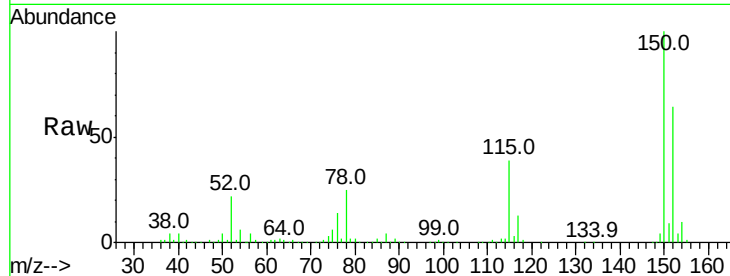


#1

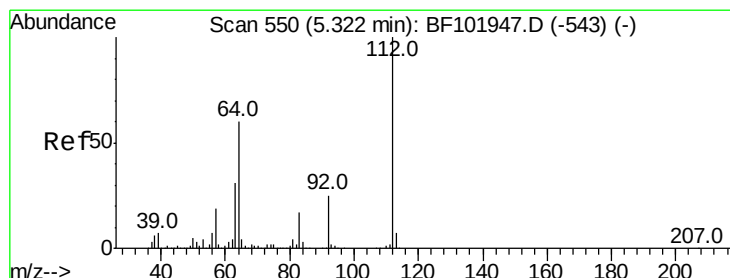
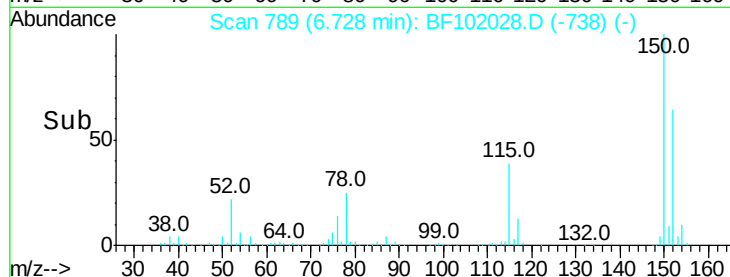
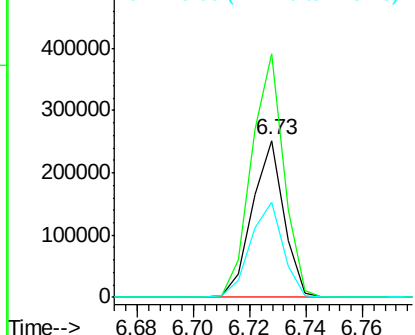
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102028.D
Acq: 11 Jan 2018 19:40

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion:152 Resp: 195767
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 61.0 50.1 75.1



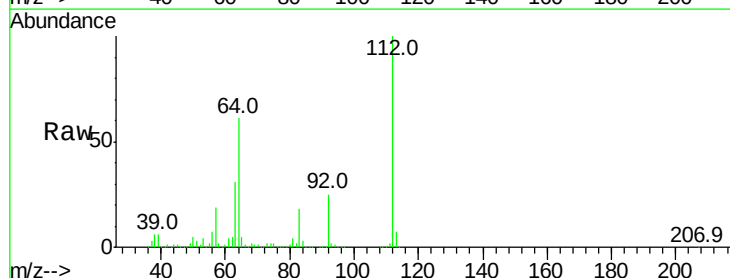
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



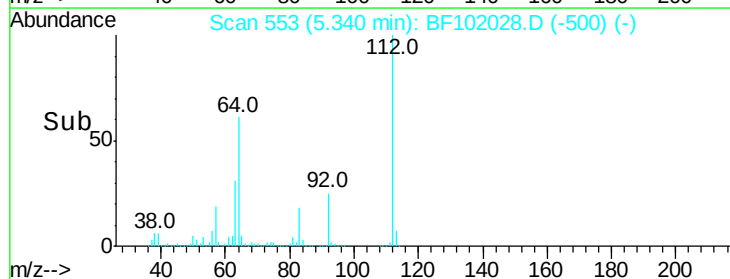
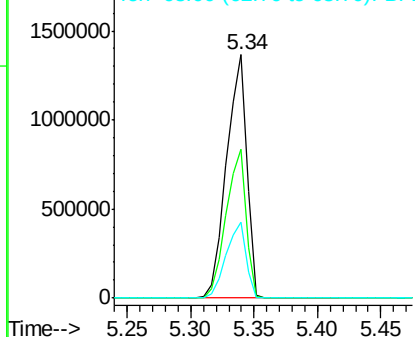
#5

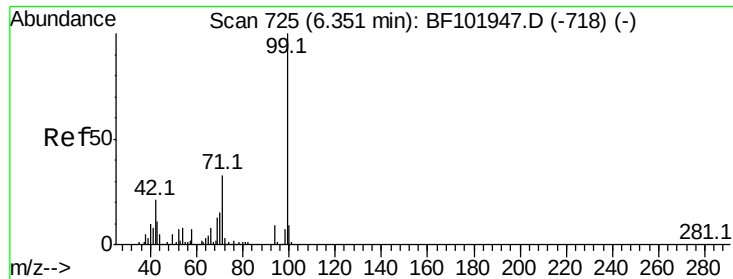
2-Fluorophenol
Concen: 108.603 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102028.D
Acq: 11 Jan 2018 19:40

Tgt Ion:112 Resp: 1505637
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.1 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: 109.225 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

Instrument :

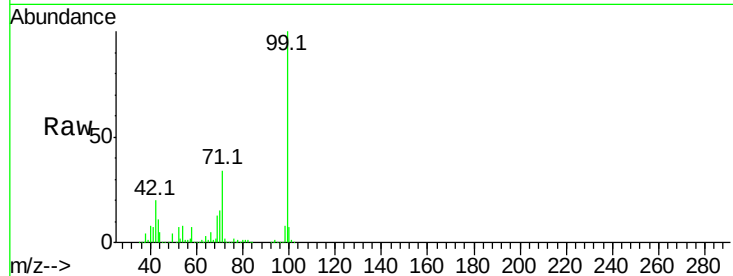
BNA_F

ClientSampleId :

SB-27-COMP

Tot Ion: 99 Resp: 1806674

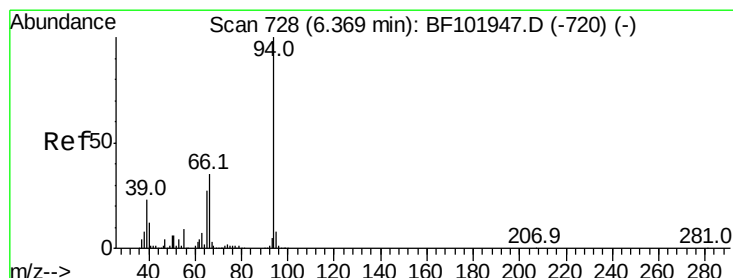
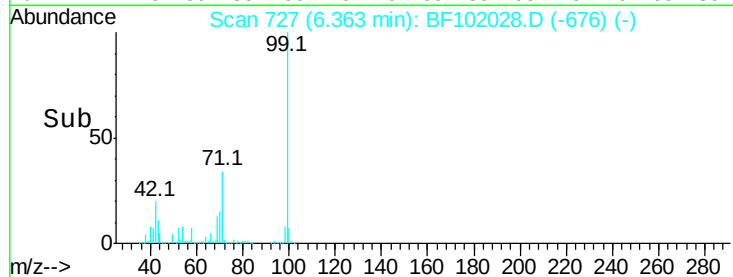
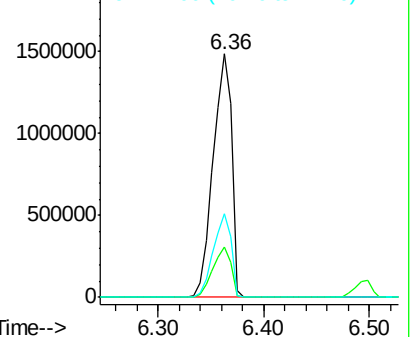
Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	34.1	25.4	38.0



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: 4.623 ng

RT: 6.37 min Scan# 729

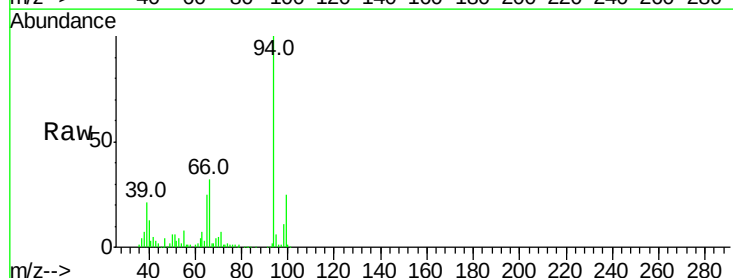
Delta R.T. 0.00 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

Tgt Ion: 94 Resp: 86413

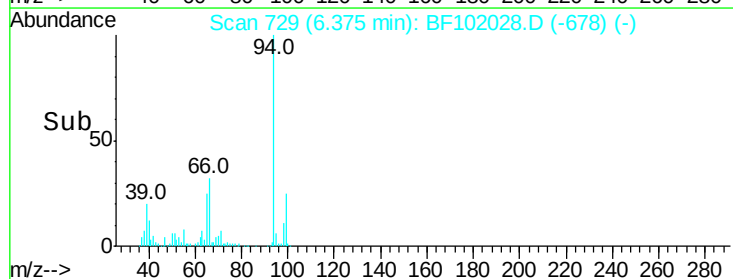
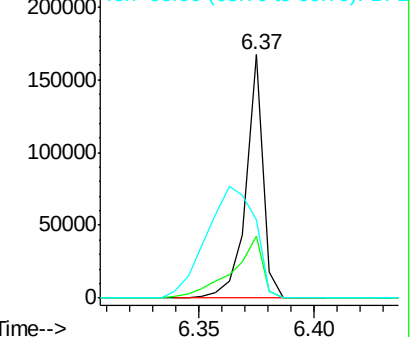
Ion	Ratio	Lower	Upper
94	100		
65	25.3	7.9	47.9
66	32.2	16.2	56.2

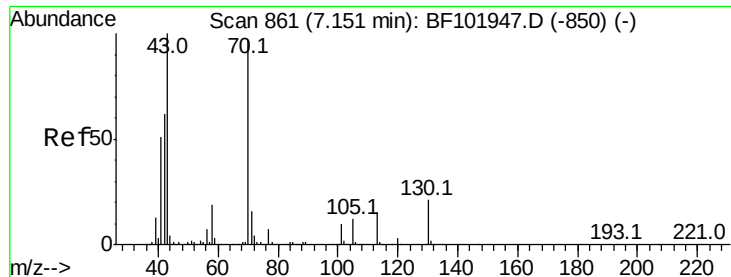


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

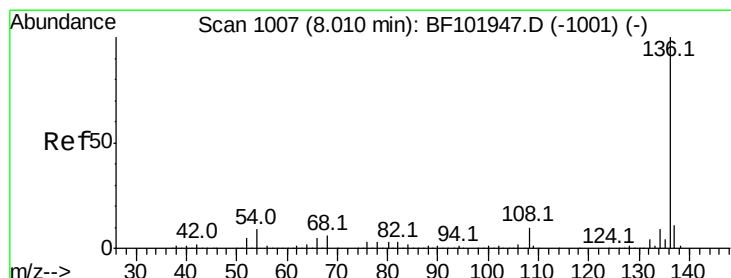
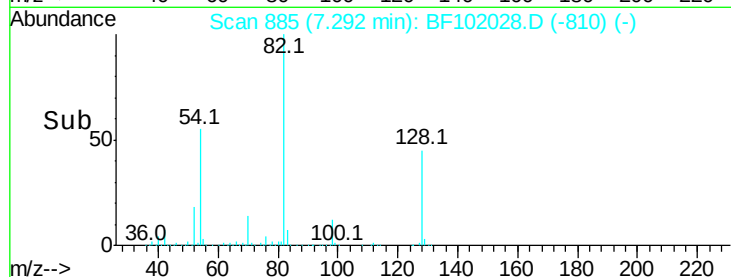
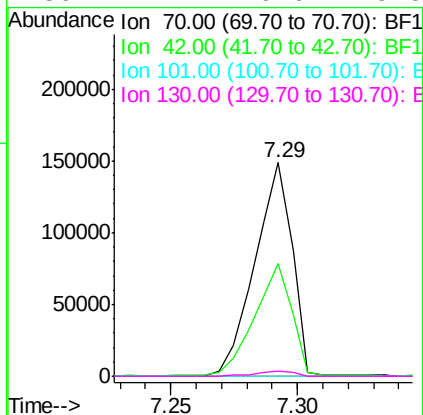
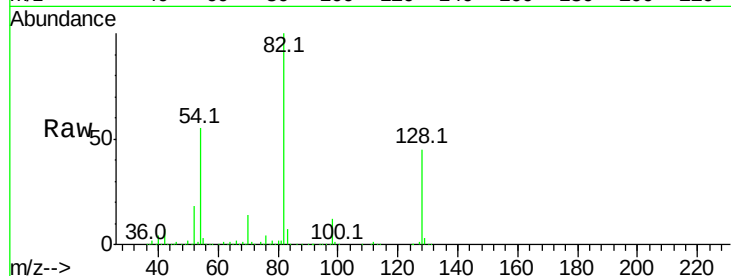




#19
n-Nitroso-di-n-propylamine
Concen: 14.134 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF102028.D
Acq: 11 Jan 2018 19:40

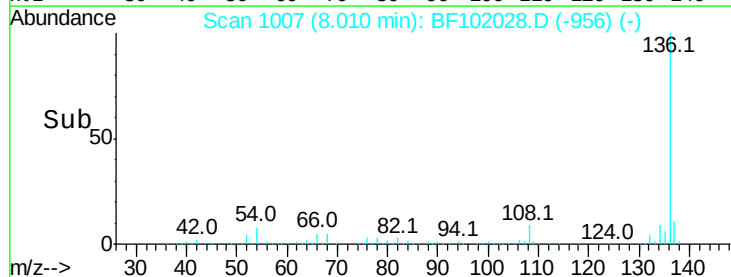
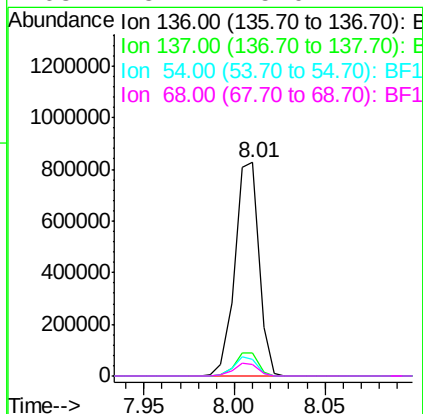
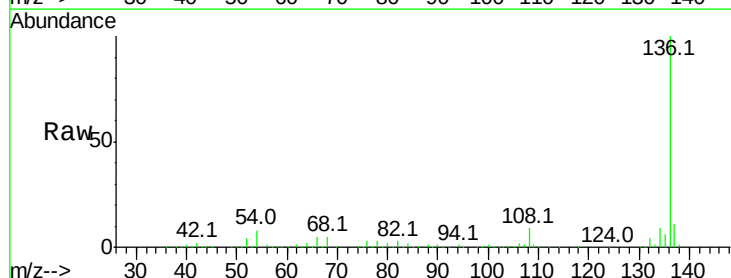
Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

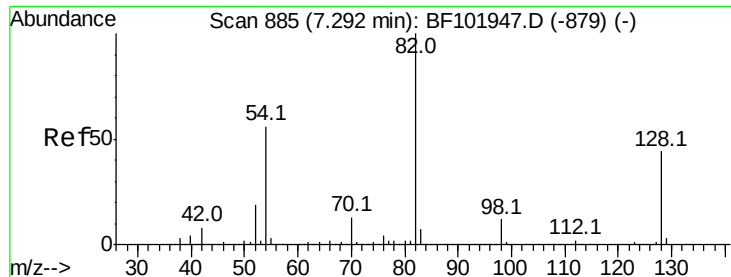
Tot Ion: 70 Resp: 153206
Ion Ratio Lower Upper
70 100
42 53.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102028.D
Acq: 11 Jan 2018 19:40

Tgt Ion: 136 Resp: 766053
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.7 6.6 9.8
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 86.781 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

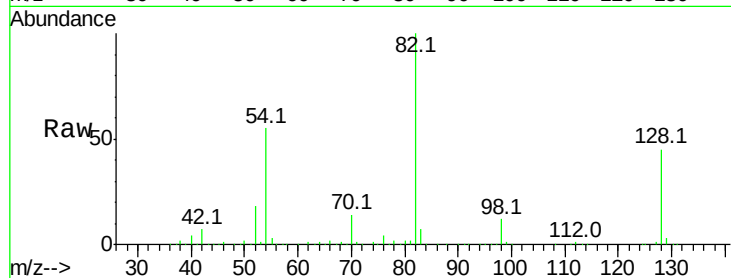
Tot Ion: 82 Resp: 1131282

Ion Ratio Lower Upper

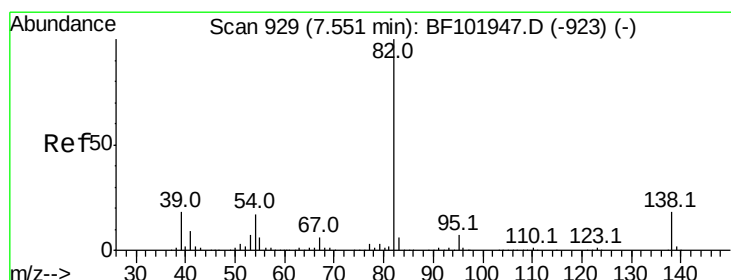
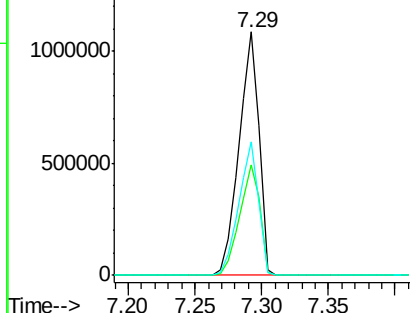
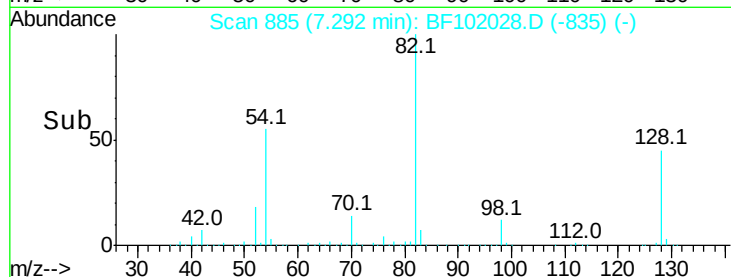
82 100

128 45.3 36.1 54.1

54 54.7 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: 43.678 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

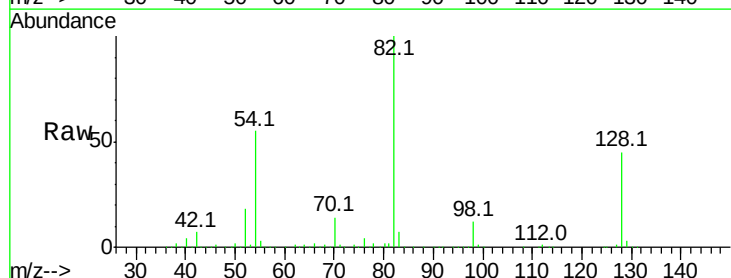
Tgt Ion: 82 Resp: 1125064

Ion Ratio Lower Upper

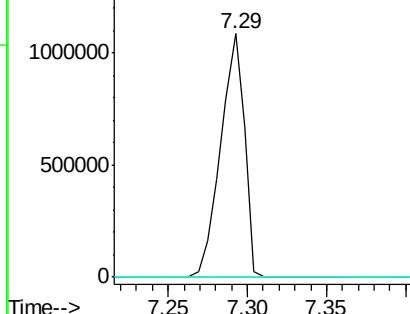
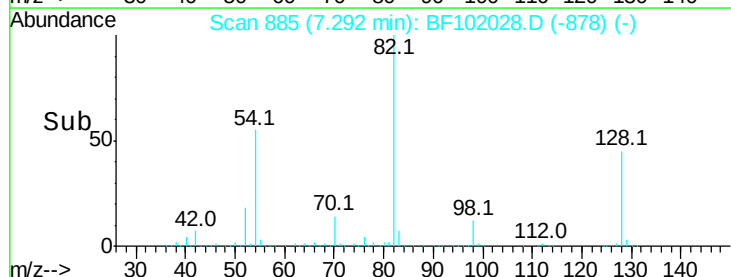
82 100

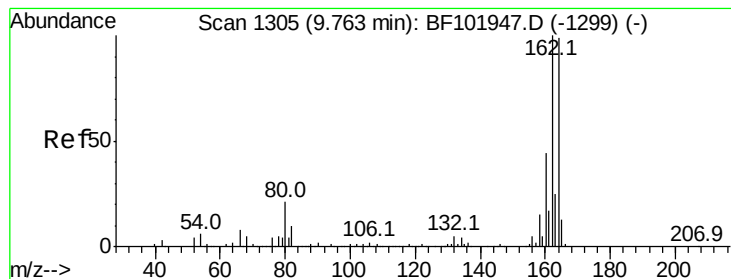
95 0.0 5.2 7.8#

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: BF102028.D

Acq: 11 Jan 2018 19:40

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

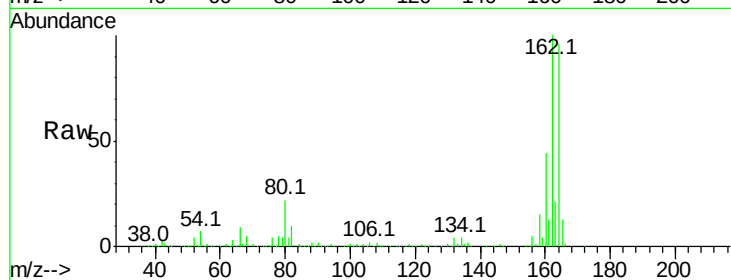
Tot Ion:164 Resp: 301402

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

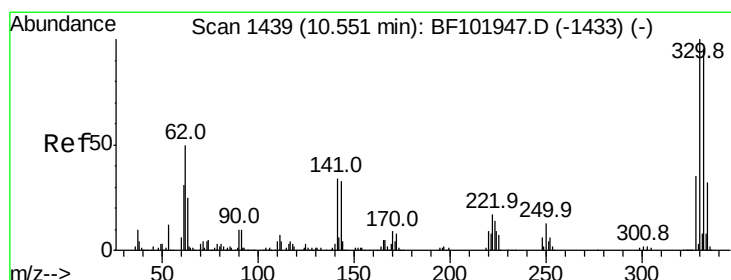
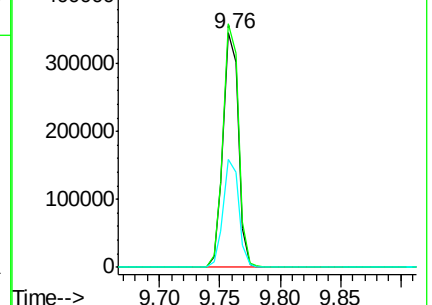
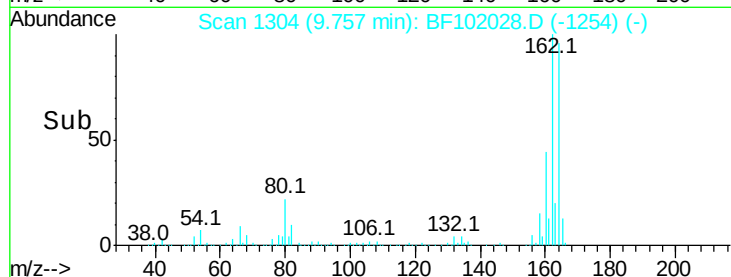
160 45.9 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 107.792 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

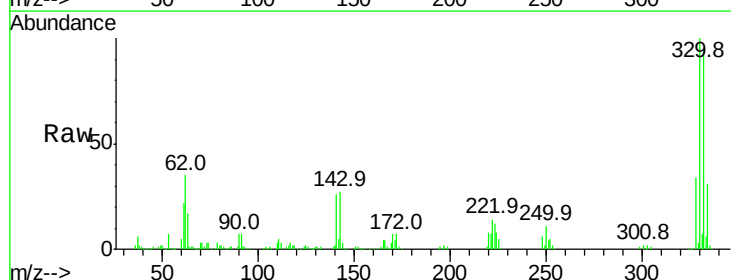
Tgt Ion:330 Resp: 283526

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

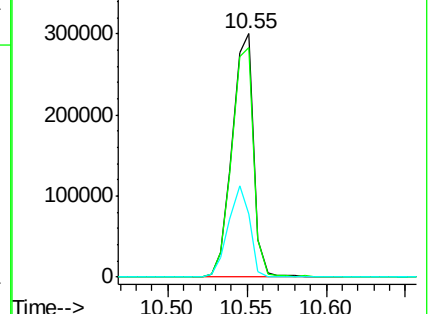
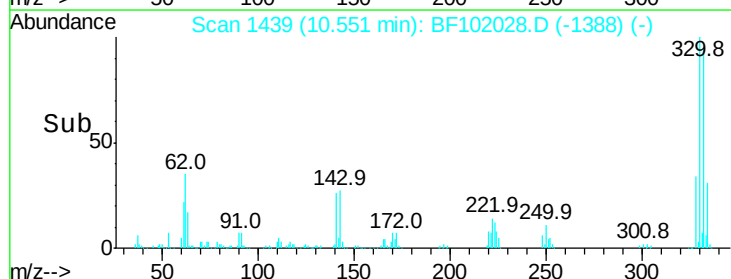
141 37.6 29.9 44.9

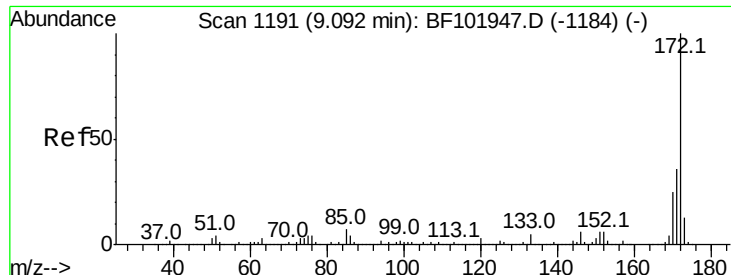


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



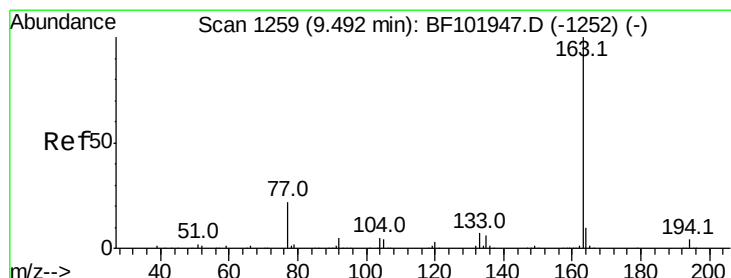
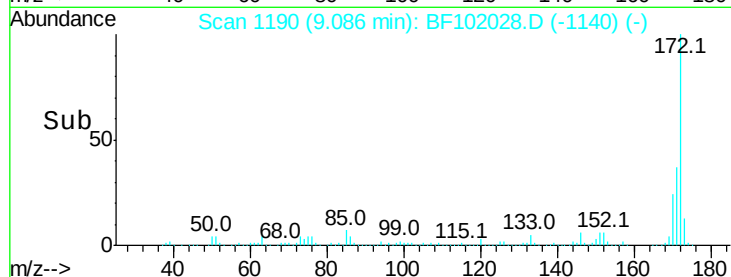
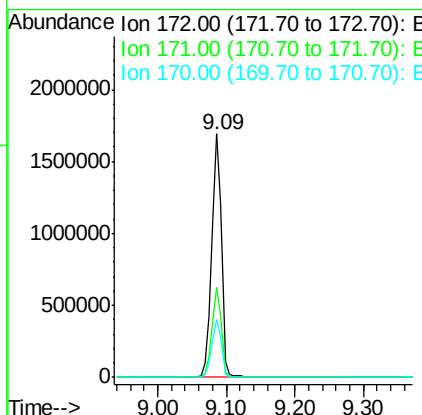
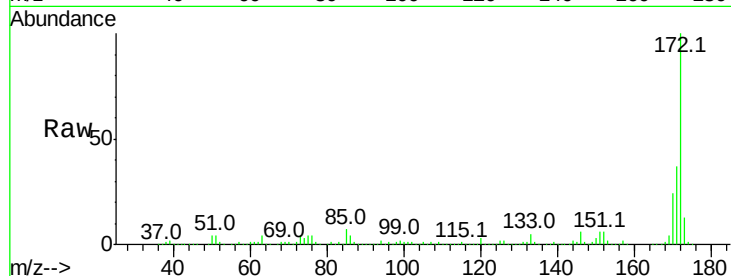


#44
 2-Fluorobiphenyl
 Concen: 87.048 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF102028.D
 Acq: 11 Jan 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Tot Ion:172 Resp: 1679380

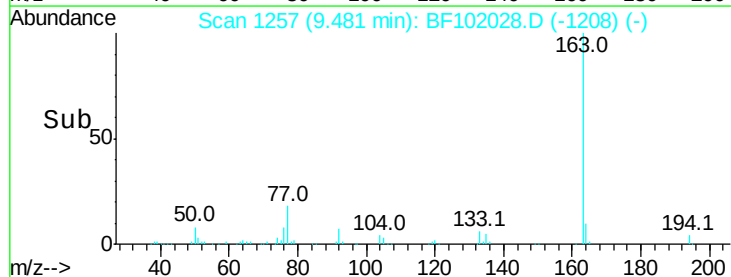
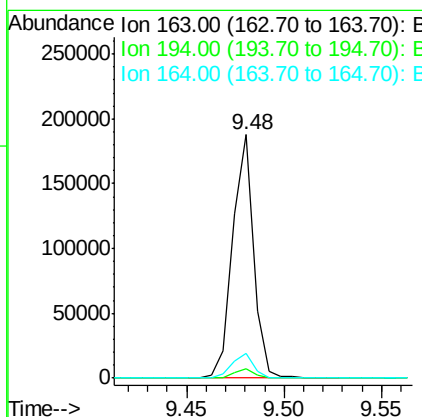
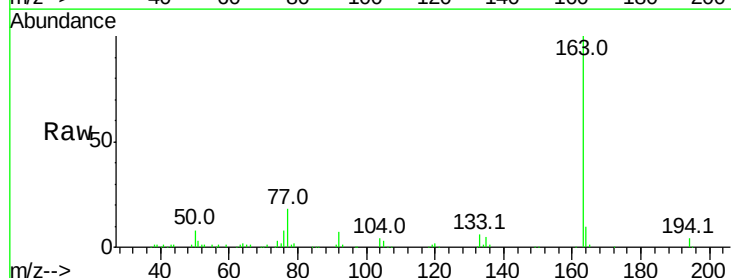
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.0	19.6	29.4

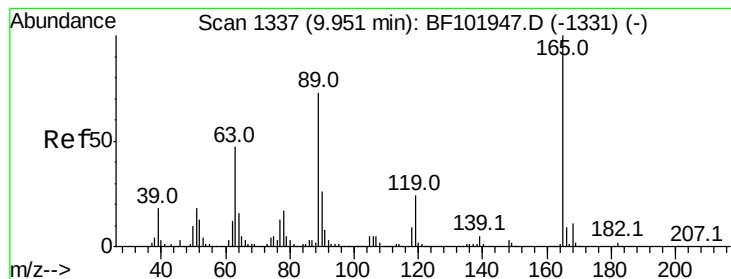


#49
 Dimethylphthalate
 Concen: 5.826 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF102028.D
 Acq: 11 Jan 2018 19:40

Tgt Ion:163 Resp: 140864

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.1	8.2	12.2





#56

2,4-Dinitrotoluene

Concen: 6.406 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

Tot Ion:165 Resp: 38776

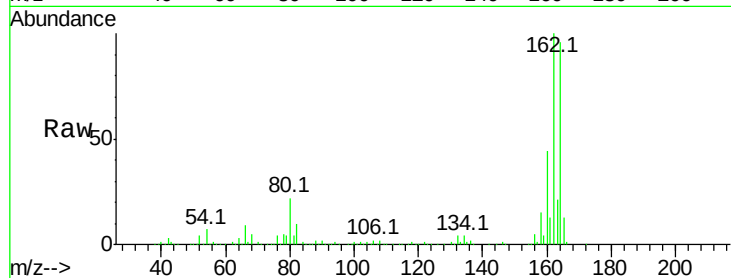
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

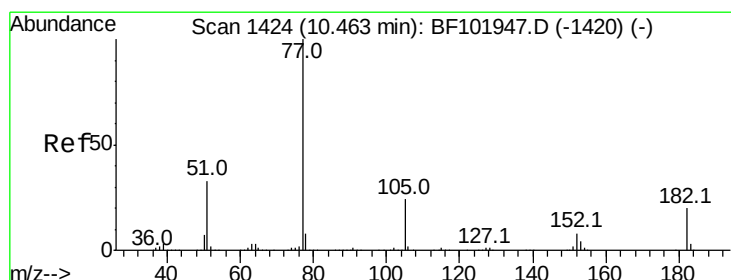
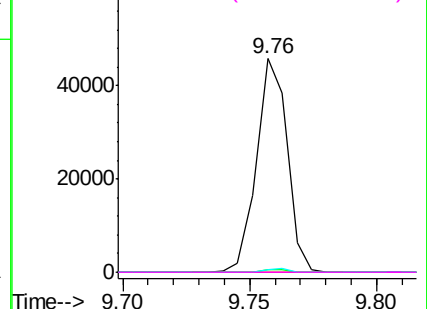
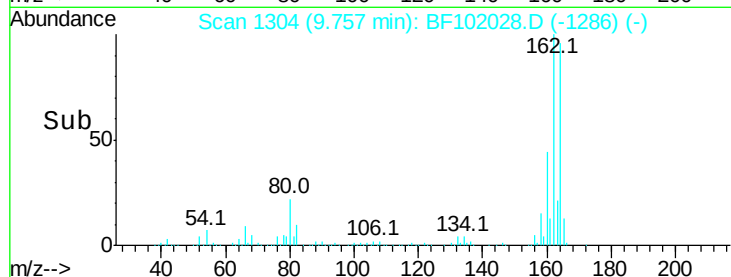


Abundance Ion 165.00 (164.70 to 165.70): E

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: 2.064 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

Tgt Ion: 77 Resp: 49400

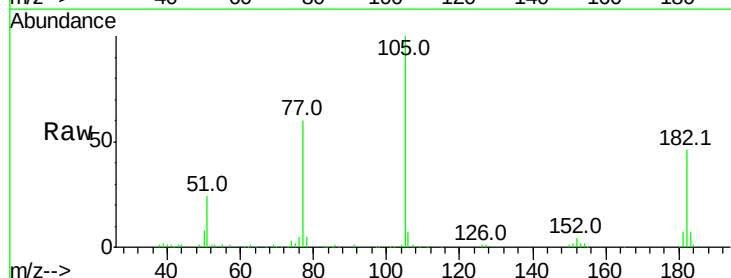
Ion Ratio Lower Upper

77 100

182 77.0 1.7 41.7#

105 167.0 3.0 43.0#

51 40.4 9.9 49.9

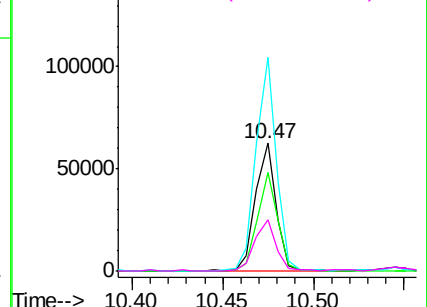
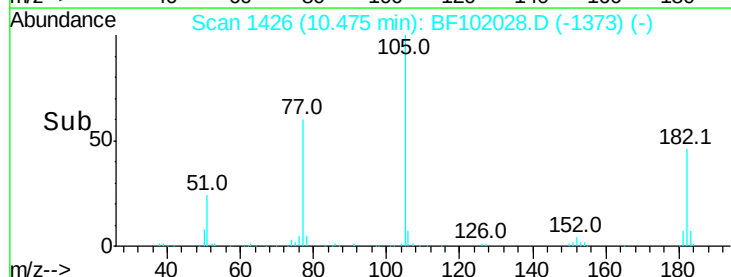


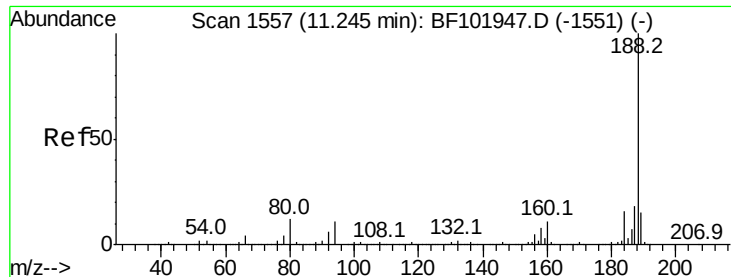
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

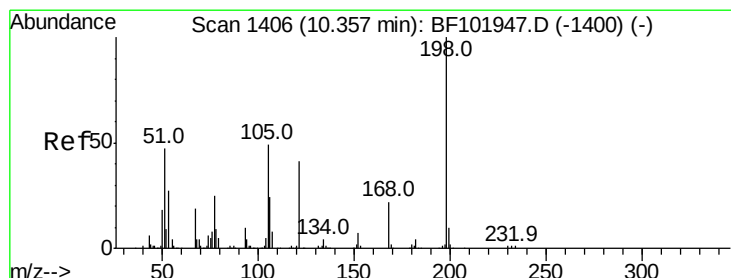
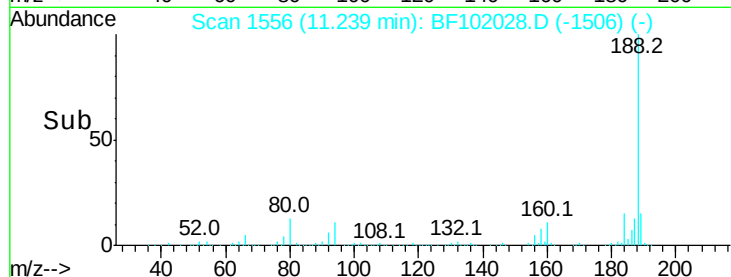
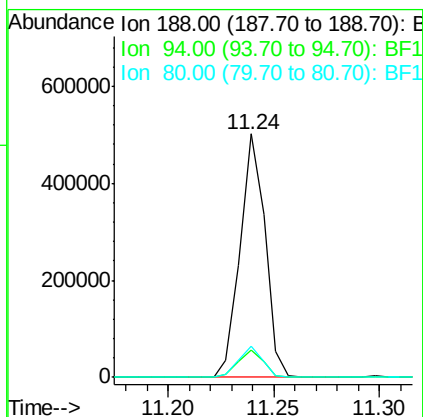
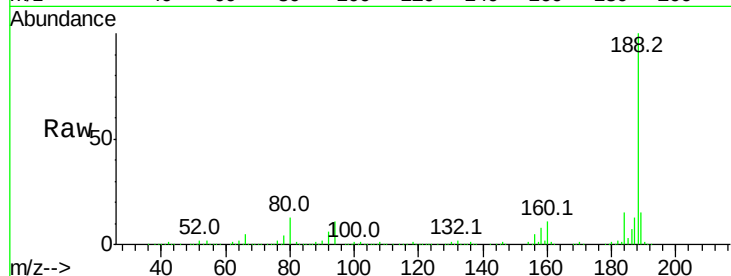




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF102028.D
Acq: 11 Jan 2018 19:40

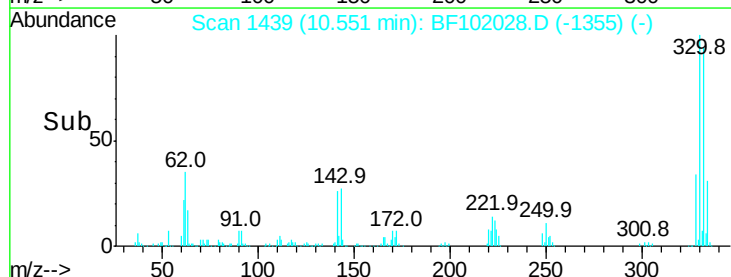
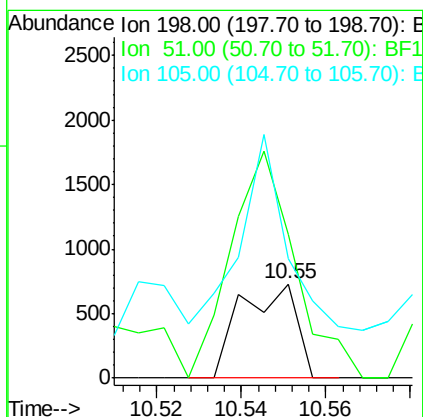
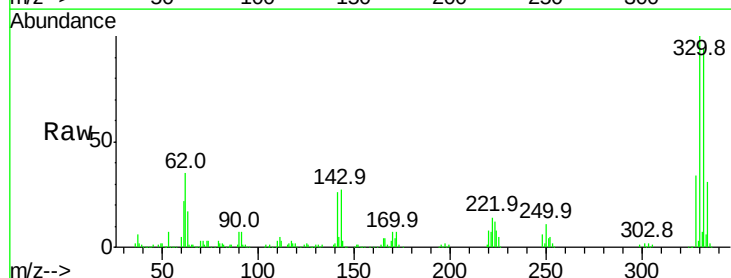
Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

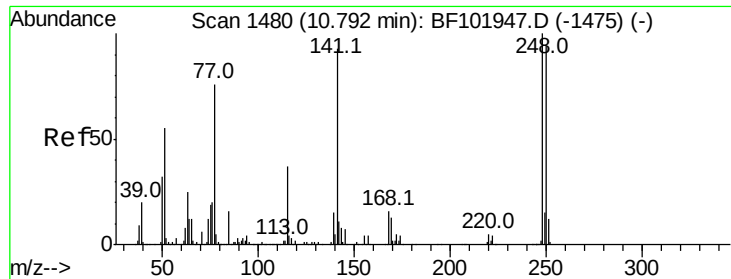
Tot Ion:188 Resp: 411419
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.925 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.19 min
Lab File: BF102028.D
Acq: 11 Jan 2018 19:40

Tgt Ion:198 Resp: 667
Ion Ratio Lower Upper
198 100
51 153.2 37.7 77.7#
105 127.9 36.3 76.3#

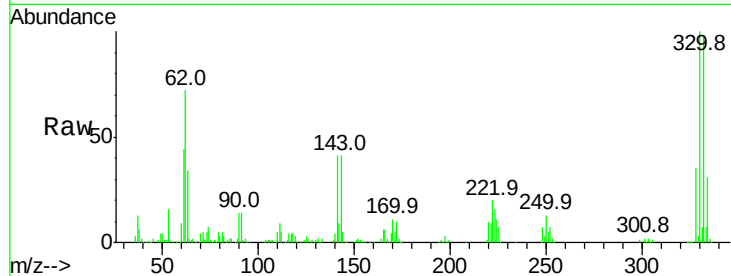




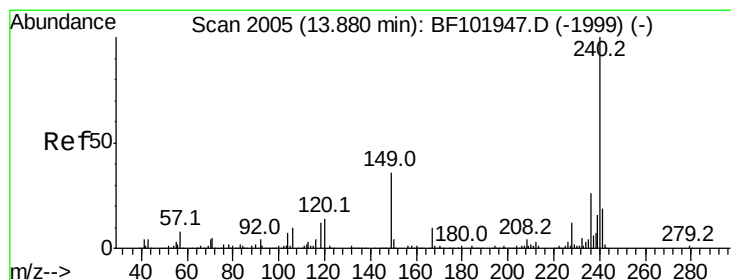
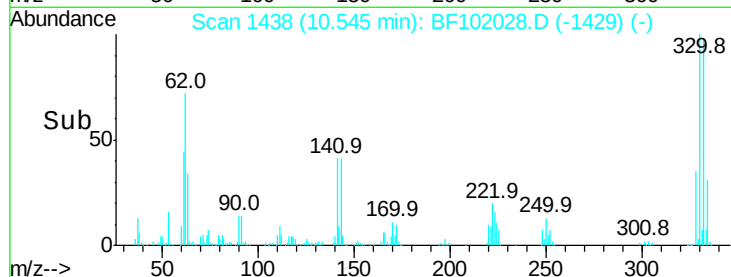
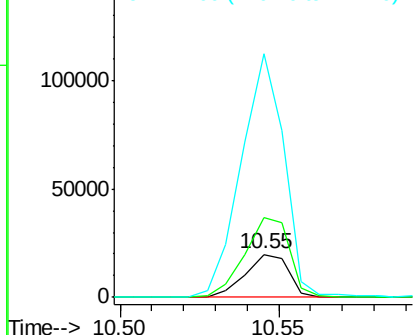
#66
 4-Bromophenyl-phenylether
 Concen: 4.300 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102028.D
 Acq: 11 Jan 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Tot Ion:248 Resp: 18681
 Ion Ratio Lower Upper
 248 100
 250 186.3 76.9 115.3#
 141 570.0 74.4 111.6#

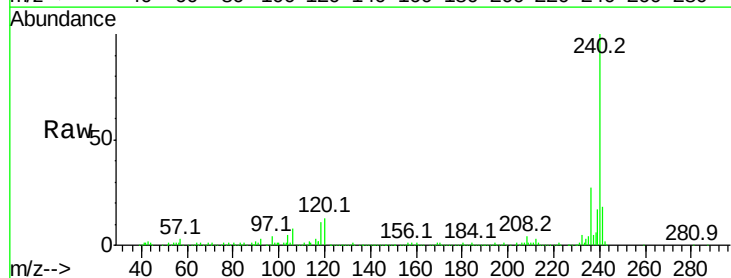


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

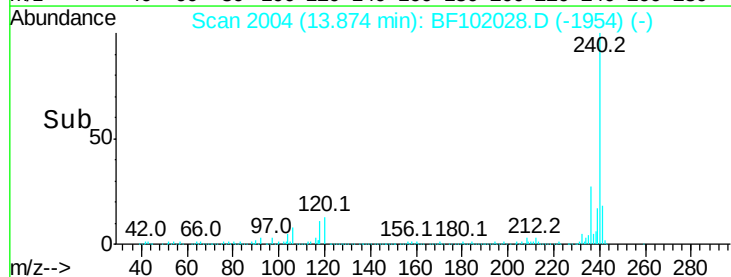
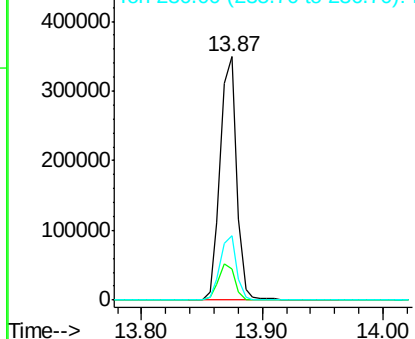


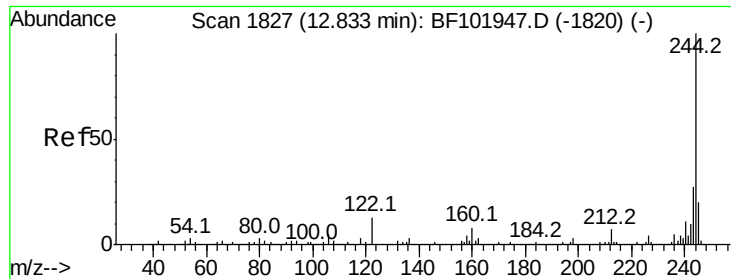
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF102028.D
 Acq: 11 Jan 2018 19:40

Tgt Ion:240 Resp: 328324
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 26.6 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: 63.140 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

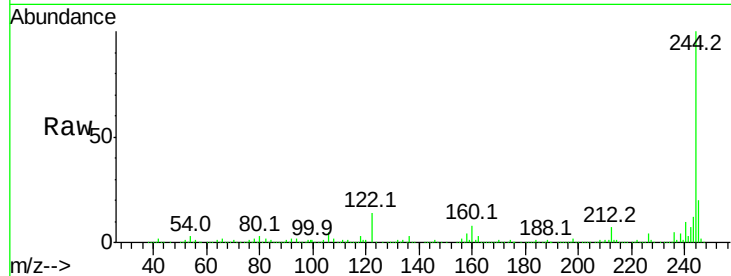
Tot Ion:244 Resp: 998446

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

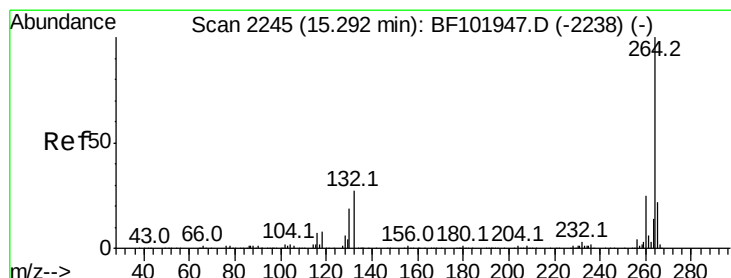
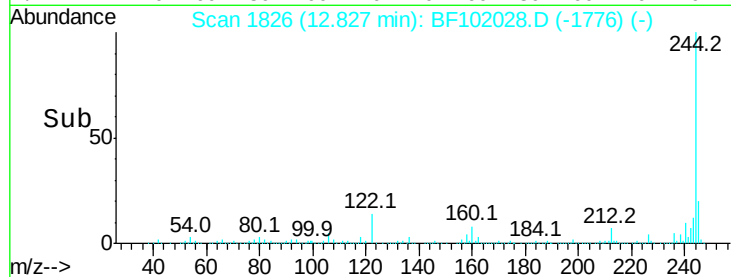
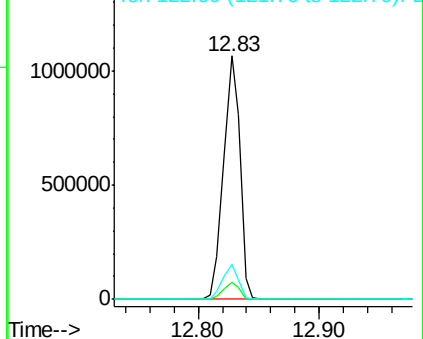
122 14.4 11.0 16.4



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: 15.29 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BF102028.D

Acq: 11 Jan 2018 19:40

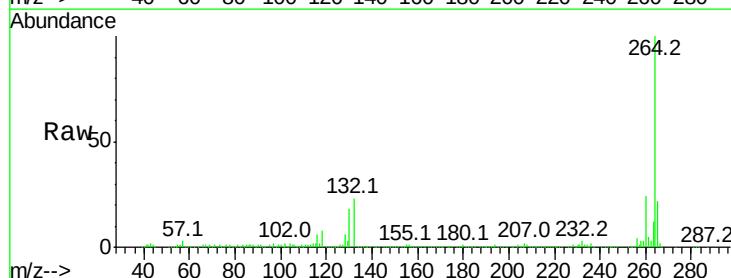
Tgt Ion:264 Resp: 365655

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.9 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

