

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098322.D
 Acq On : 7 Sep 2017 19:13
 Operator : SJ/JU
 Sample : I5052-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G27A-0-1.5

Quant Time: Sep 08 01:51:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

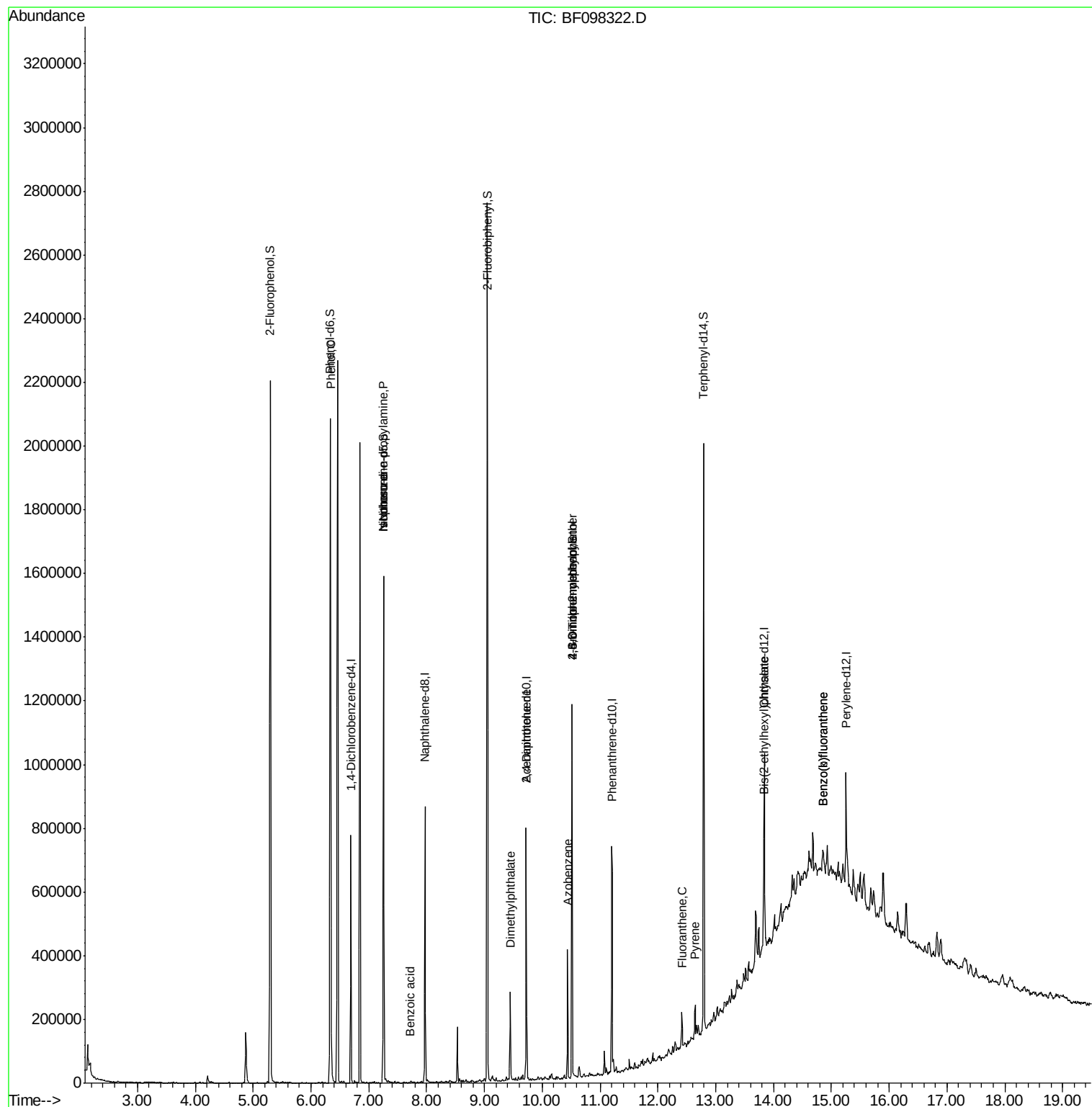
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	102555	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	392352	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	151961	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	249447	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	211356	20.00	ng	-0.02
86) Perylene-d12	15.26	264	142836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	681287	101.05	ng	0.00
7) Phenol-d6	6.33	99	932713	101.82	ng	-0.02
23) Nitrobenzene-d5	7.26	82	552302	76.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	130621	99.07	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	810451	78.36	ng	-0.02
78) Terphenyl-d14	12.79	244	569481	56.19	ng	-0.02
Target Compounds						
10) Phenol	6.35	94	28517	2.662	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	72168	11.508	ng	# 71
25) Isophorone	7.26	82	546527	36.392	ng	# 67
32) Benzoic acid	7.72	122	827	6.561	ng	# 70
49) Dimethylphthalate	9.45	163	88953	8.008	ng	98
56) 2,4-Dinitrotoluene	9.72	165	20222	7.267	ng	# 33
62) Azobenzene	10.44	77	77544	5.620	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.52	198	130	8.412	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8423	3.252	ng	# 1
74) Fluoranthene	12.42	202	38325	2.762	ng	98
77) Pyrene	12.64	202	40645	2.351	ng	98
83) Bis(2-ethylhexyl)phthalate	13.83	149	44577	6.070	ng	# 98
87) Benzo(b)fluoranthene	14.86	252	26628	2.958	ng	# 45
88) Benzo(k)fluoranthene	14.86	252	26628	3.148	ng	# 49

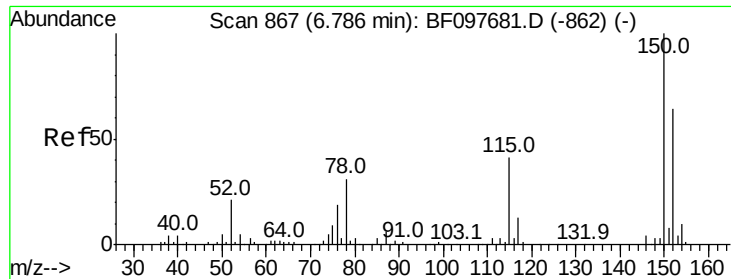
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098322.D
Acq On : 7 Sep 2017 19:13
Operator : SJ/JU
Sample : I5052-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G27A-0-1.5

Quant Time: Sep 08 01:51:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration



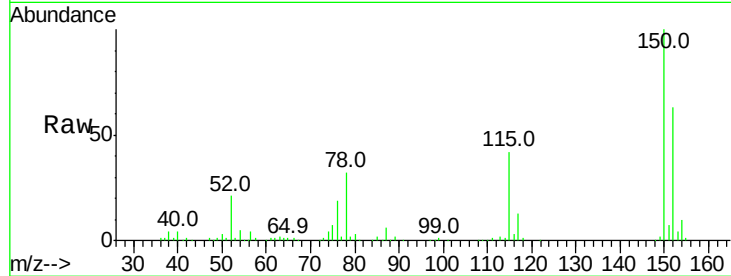


#1

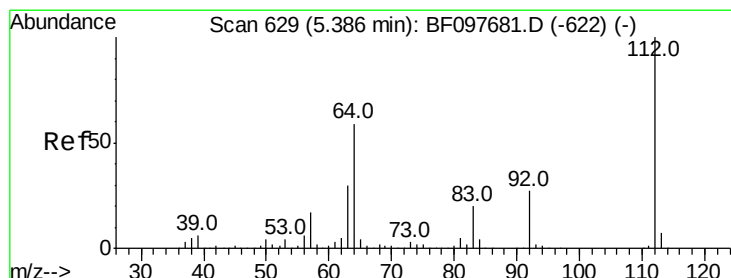
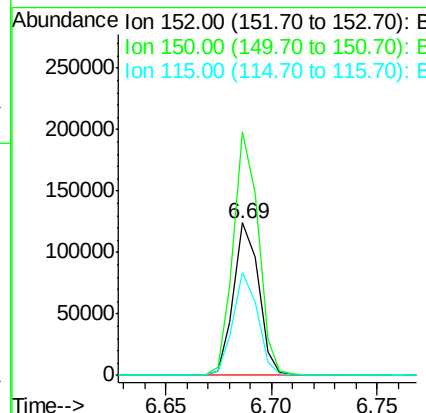
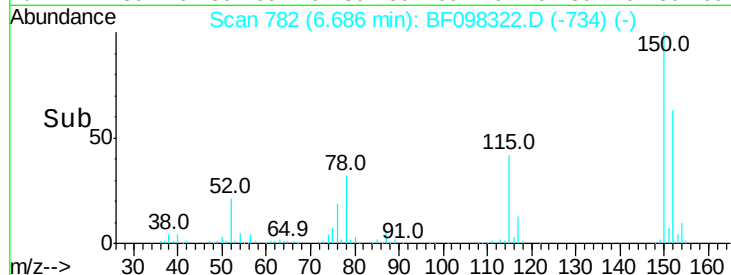
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF098322.D
Acq: 7 Sep 2017 19:13

Instrument :
BNA_F
ClientSampleId :
G27A-0-1.5

Tot Ion:152 Resp: 102555
Ion Ratio Lower Upper
152 100
150 159.8 126.2 189.2
115 67.9 52.2 78.2



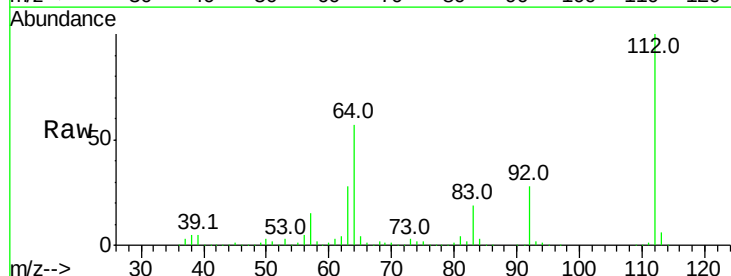
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



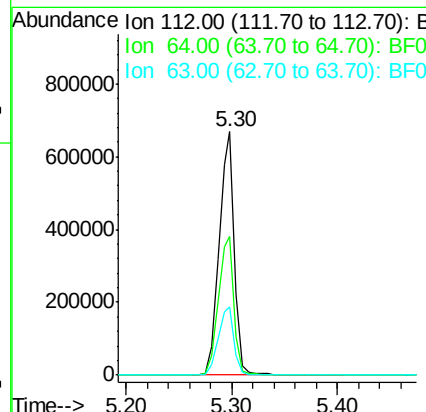
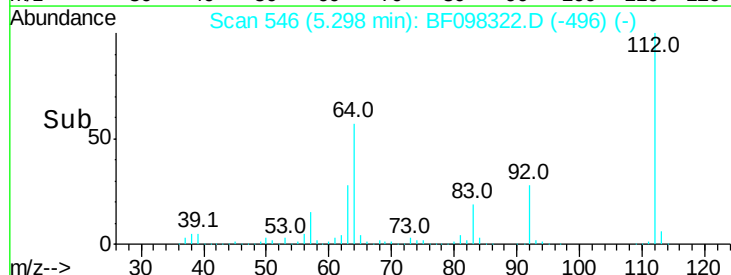
#5

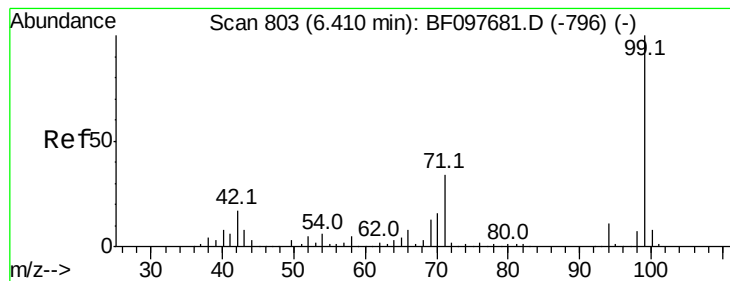
2-Fluorophenol
Concen: 101.047 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF098322.D
Acq: 7 Sep 2017 19:13

Tgt Ion:112 Resp: 681287
Ion Ratio Lower Upper
112 100
64 56.8 46.0 69.0
63 27.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.815 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Instrument :

BNA_F

ClientSampled :

G27A-0-1.5

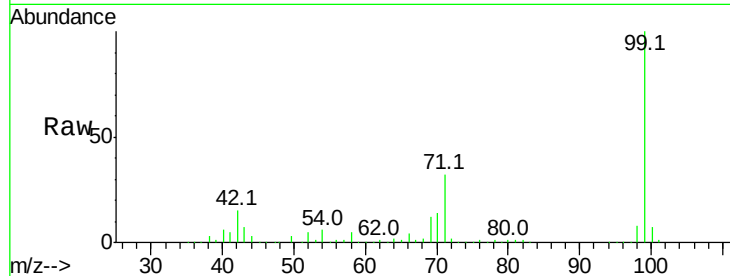
Tot Ion: 99 Resp: 932713

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

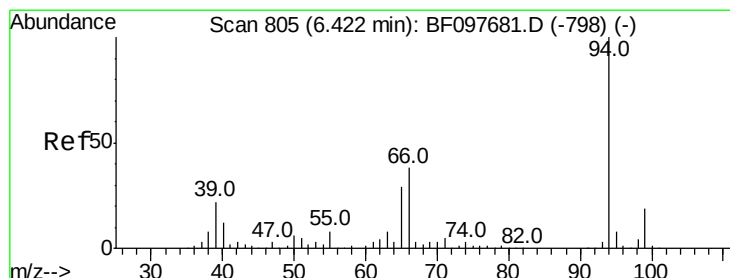
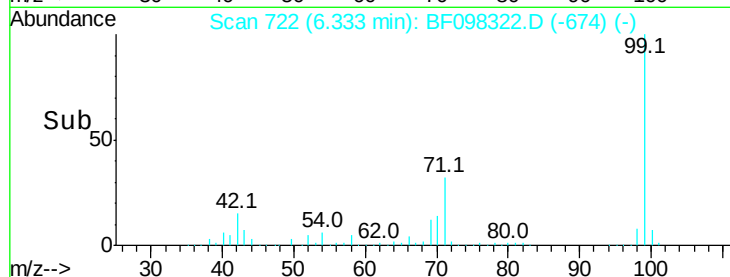
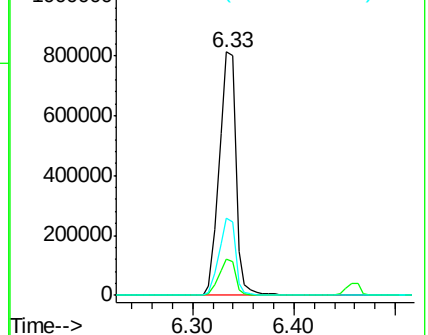
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.662 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

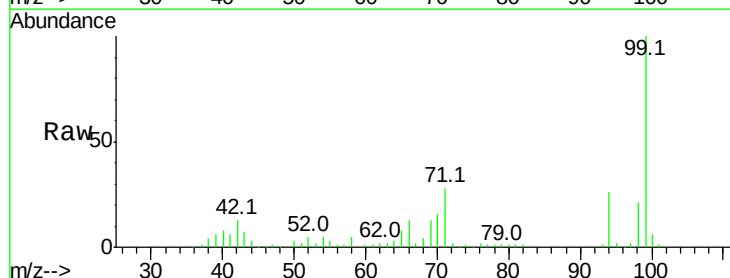
Tgt Ion: 94 Resp: 28517

Ion Ratio Lower Upper

94 100

65 31.2 9.9 49.9

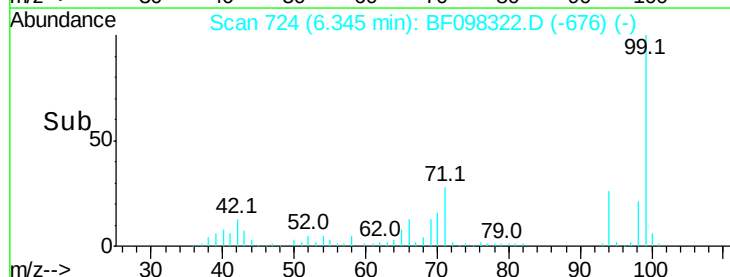
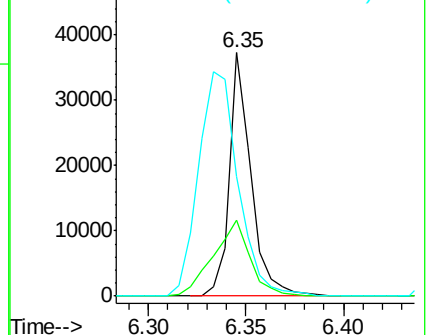
66 48.9 23.1 63.1

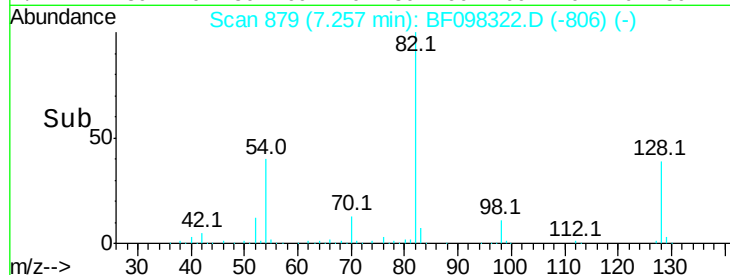
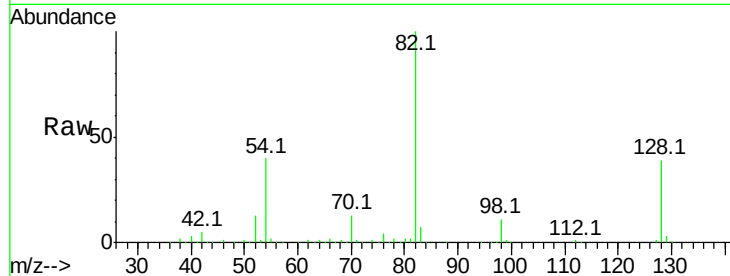
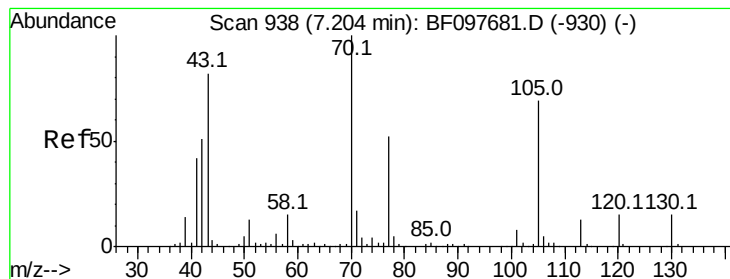


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.508 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Instrument :

BNA_F

ClientSampleId :

G27A-0-1.5

Tot Ion: 70 Resp: 72168

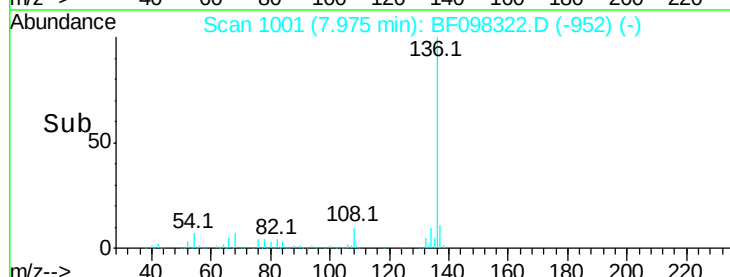
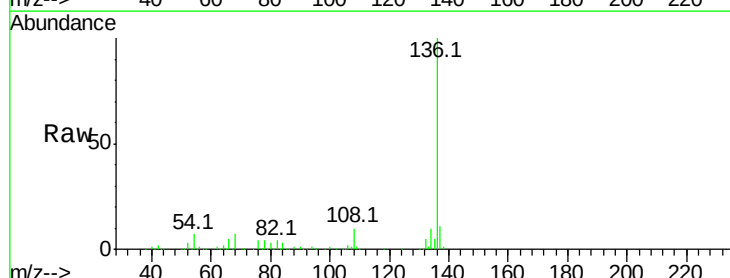
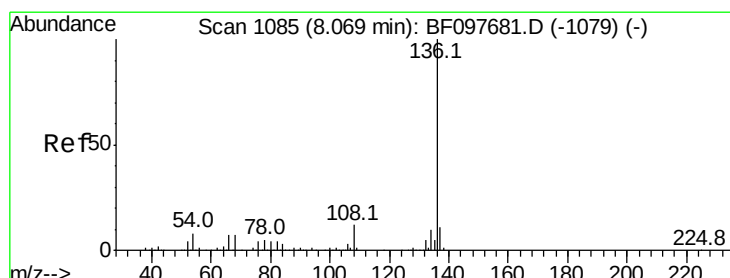
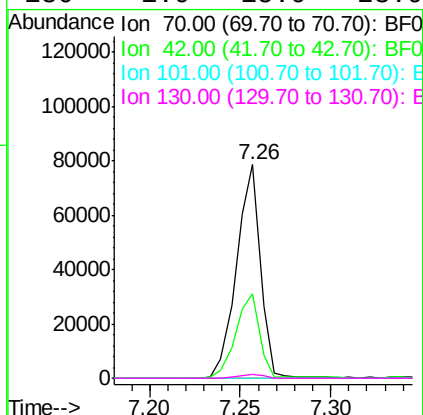
Ion Ratio Lower Upper

70 100

42 39.8 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Tgt Ion: 136 Resp: 392352

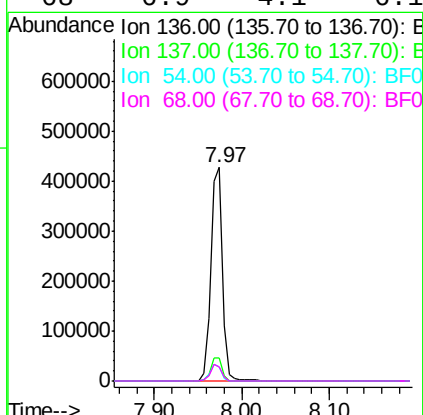
Ion Ratio Lower Upper

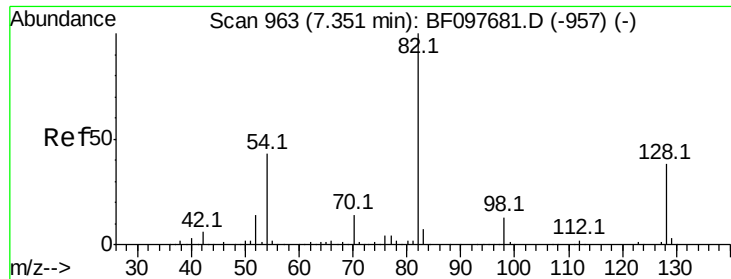
136 100

137 10.6 8.5 12.7

54 6.8 4.9 7.3

68 6.9 4.1 6.1#

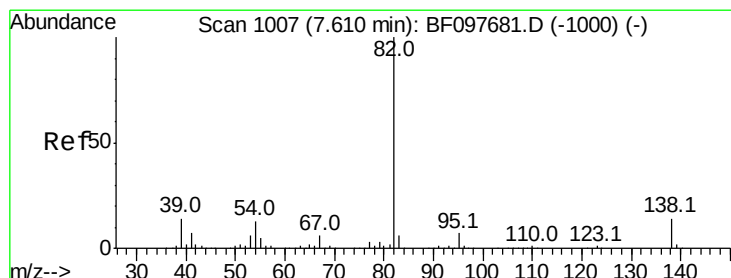
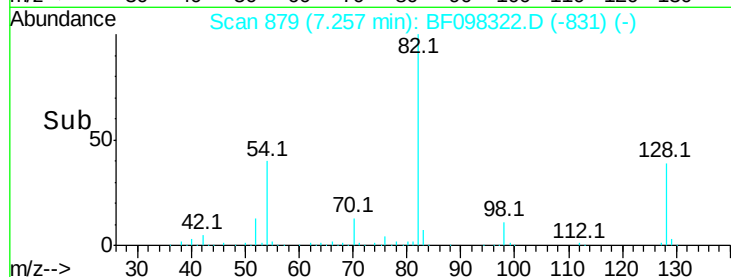
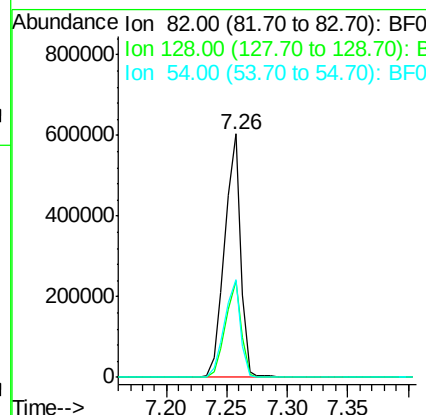
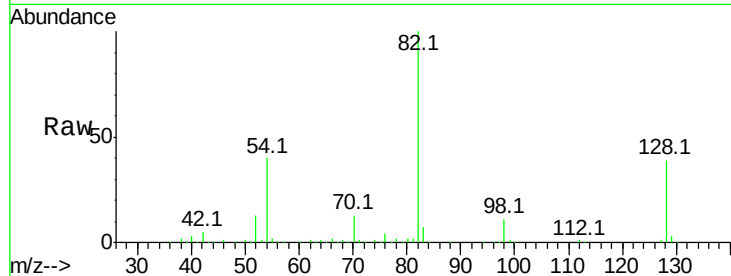




#23
 Nitrobenzene-d5
 Concen: 76.471 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

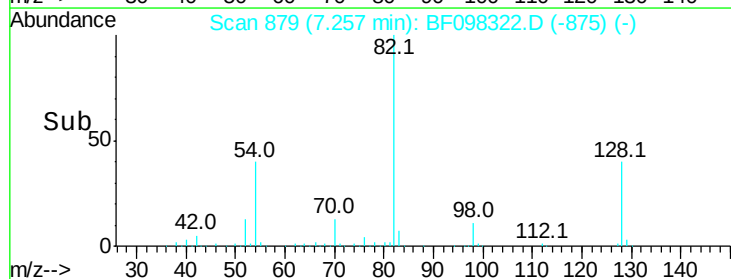
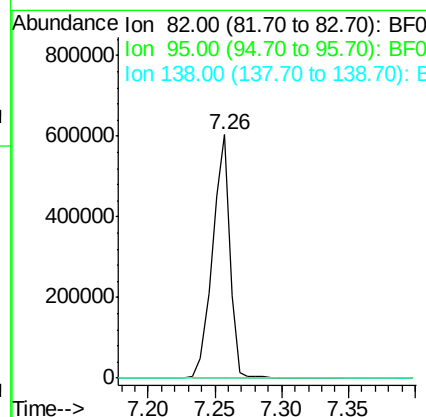
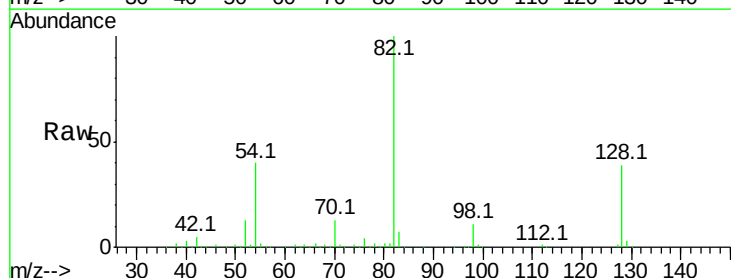
Instrument :
 BNA_F
 ClientSampleId :
 G27A-0-1.5

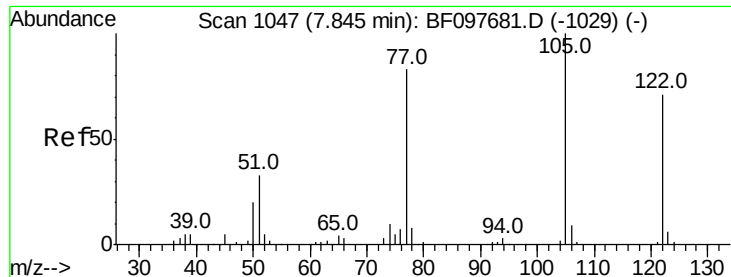
Tot Ion	82	Resp	552302
Ion Ratio	Lower	Upper	
82	100		
128	39.5	34.0	51.0
54	40.3	42.2	63.2#



#25
 Isophorone
 Concen: 36.392 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Tgt Ion	82	Resp	546527
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

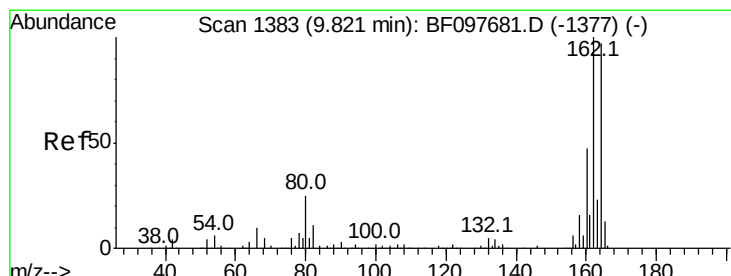
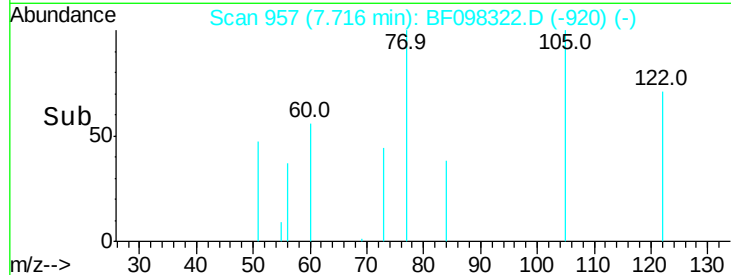
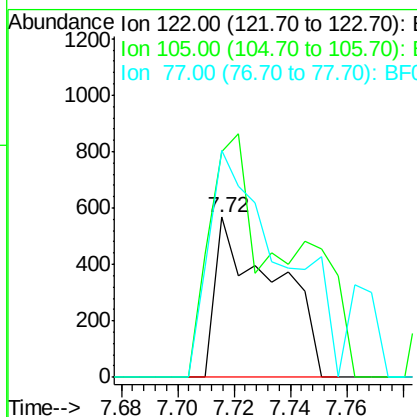
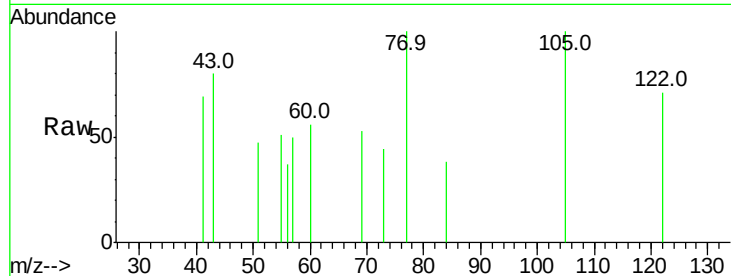




#32
 Benzoic acid
 Concen: 6.561 ng
 RT: 7.72 min Scan# 957
 Delta R.T. -0.08 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

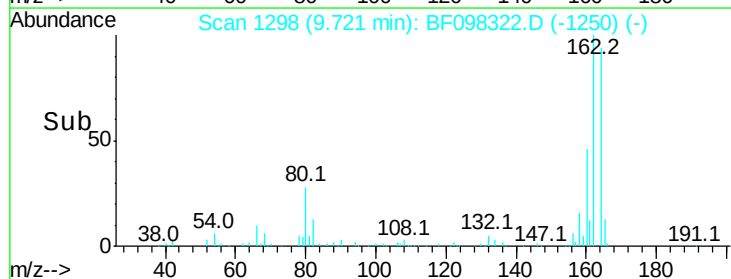
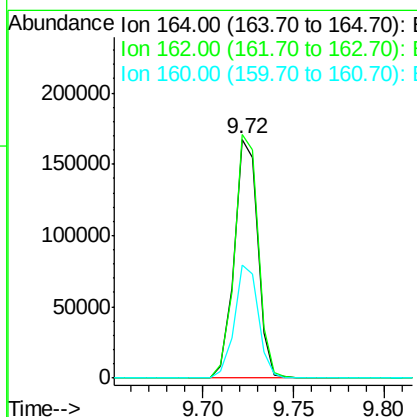
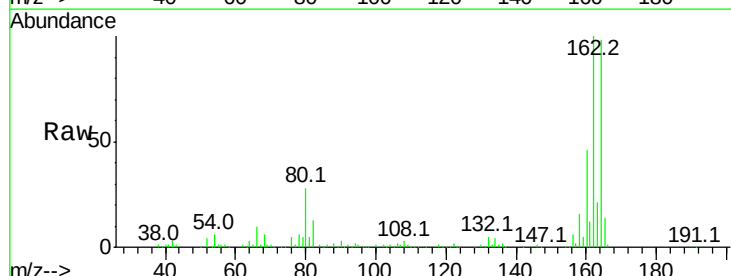
Instrument :
 BNA_F
 ClientSampleID :
 G27A-0-1.5

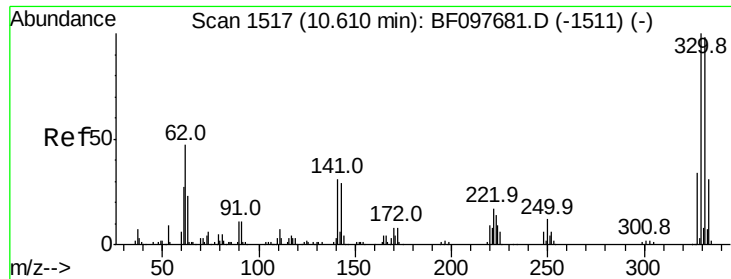
Tot Ion:122 Resp: 827
 Ion Ratio Lower Upper
 122 100
 105 140.8 103.3 143.3
 77 141.5 73.7 113.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Tgt Ion:164 Resp: 151961
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 47.4 36.2 54.2

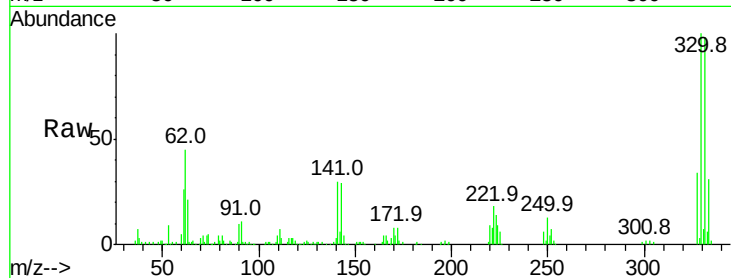




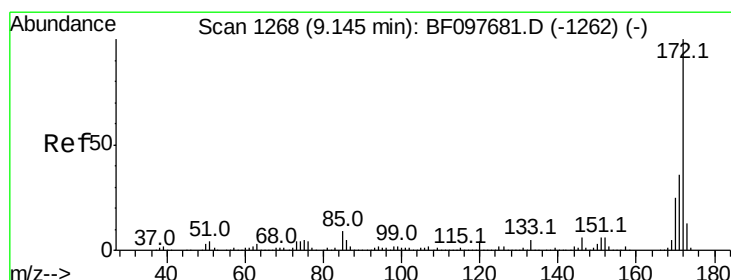
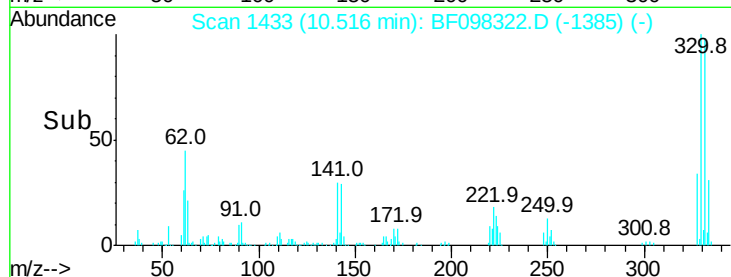
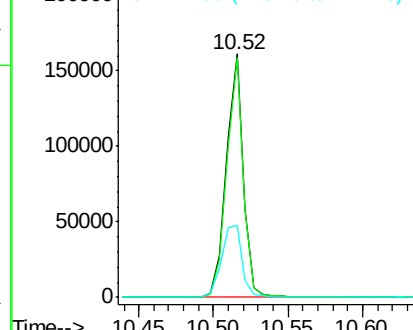
#41
 2,4,6-Tribromophenol
 Concen: 99.067 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Instrument :
 BNA_F
 ClientSampleId :
 G27A-0-1.5

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	36.3	31.4	47.2

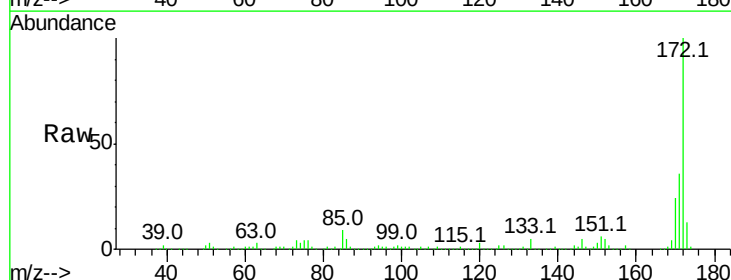


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

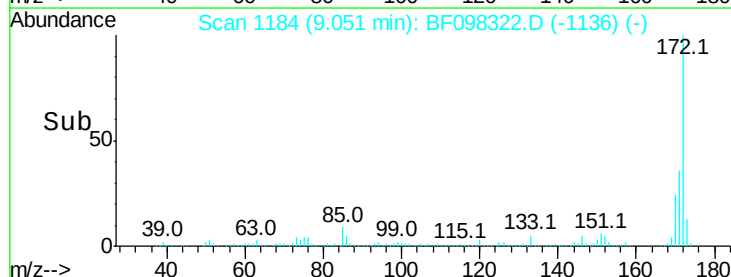
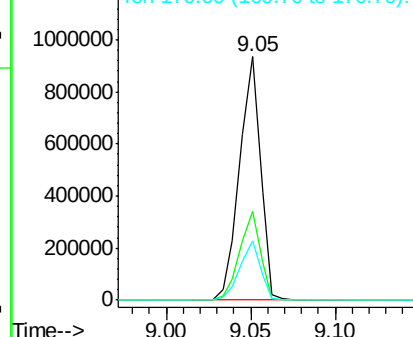


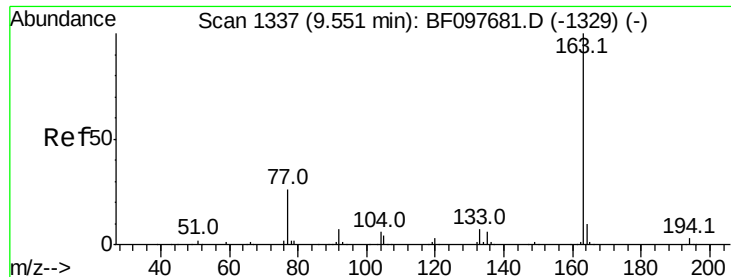
#44
 2-Fluorobiphenyl
 Concen: 78.357 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.1	19.8	29.8



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

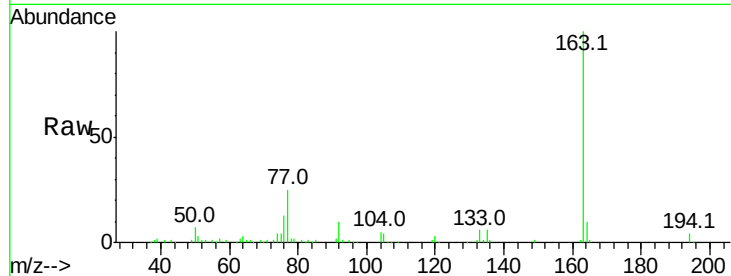




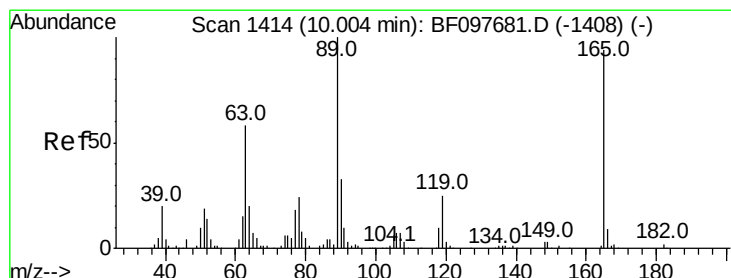
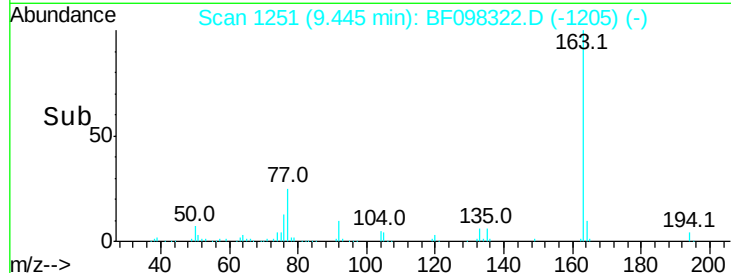
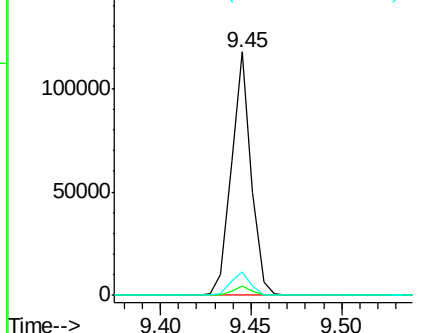
#49
Dimethylphthalate
Concen: 8.008 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF098322.D
Acq: 7 Sep 2017 19:13

Instrument :
BNA_F
ClientSampleId :
G27A-0-1.5

Tot Ion:163 Resp: 88953
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 9.7 8.4 12.6

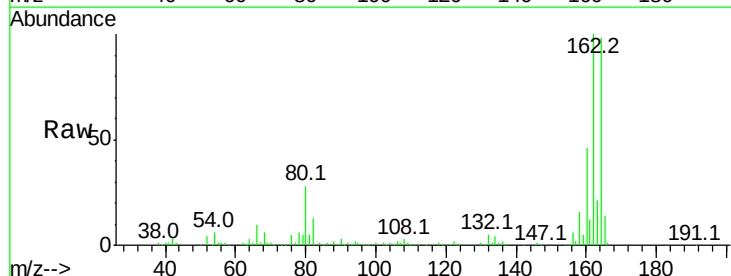


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

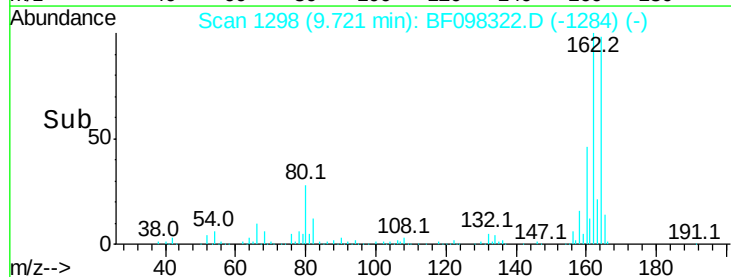
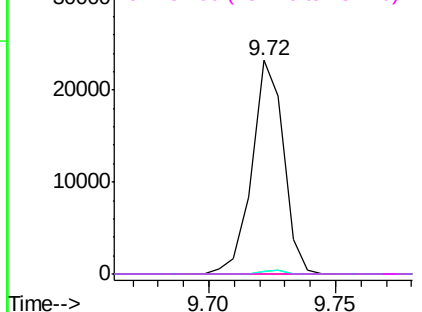


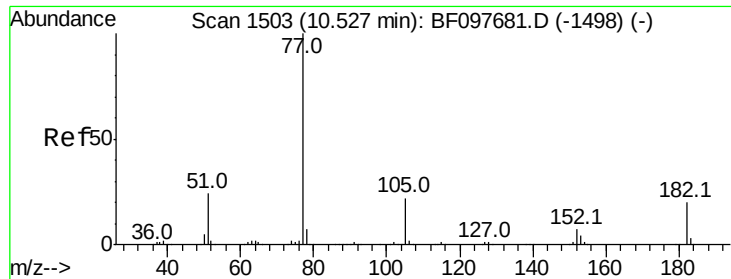
#56
2,4-Dinitrotoluene
Concen: 7.267 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.22 min
Lab File: BF098322.D
Acq: 7 Sep 2017 19:13

Tgt Ion:165 Resp: 20222
Ion Ratio Lower Upper
165 100
63 1.4 25.4 38.0#
89 1.5 46.4 69.6#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 5.620 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Instrument :

BNA_F

ClientSampleId :

G27A-0-1.5

Tot Ion: 77 Resp: 77544

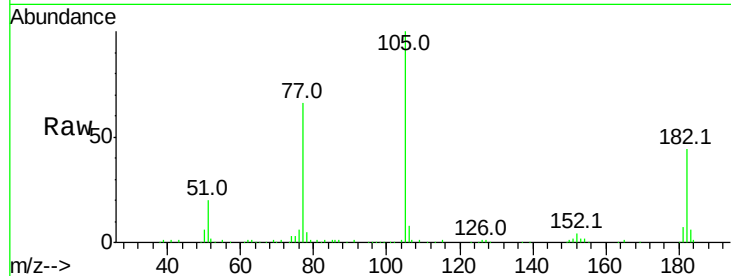
Ion Ratio Lower Upper

77 100

182 65.9 0.1 40.1#

105 150.8 3.6 43.6#

51 29.6 9.4 49.4

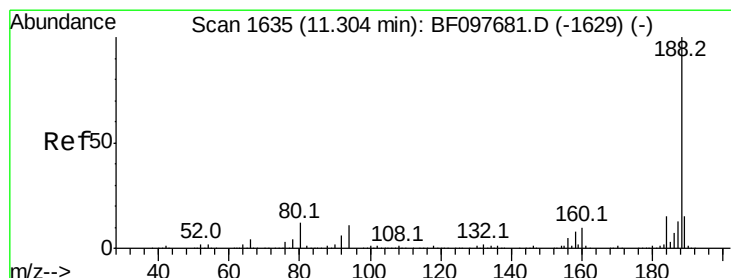
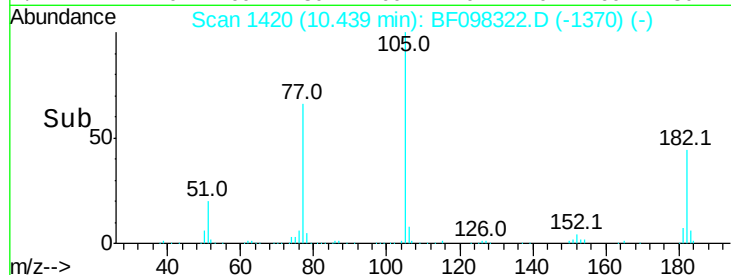
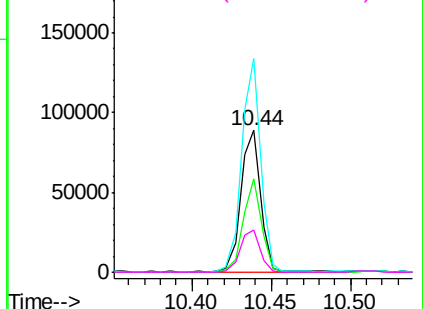


Abundance Ion 77.00 (76.70 to 77.70): BF0

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): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

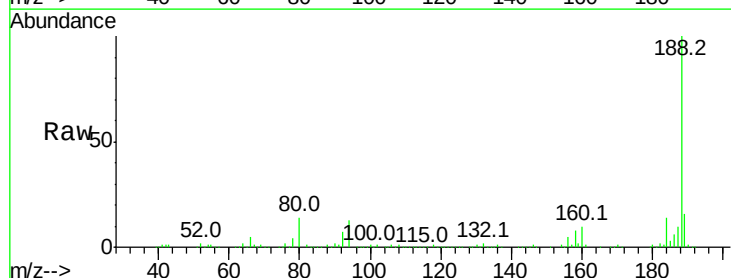
Tgt Ion: 188 Resp: 249447

Ion Ratio Lower Upper

188 100

94 12.8 9.4 14.2

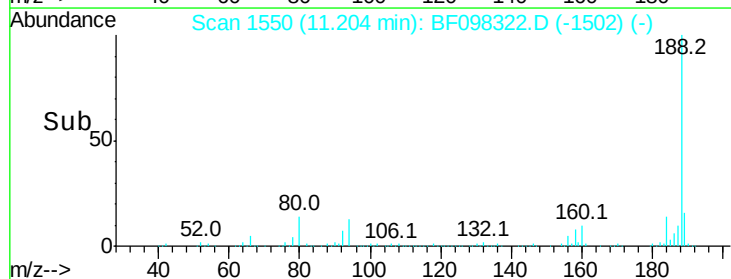
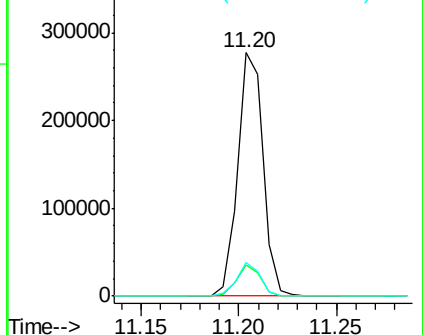
80 13.8 10.2 15.2

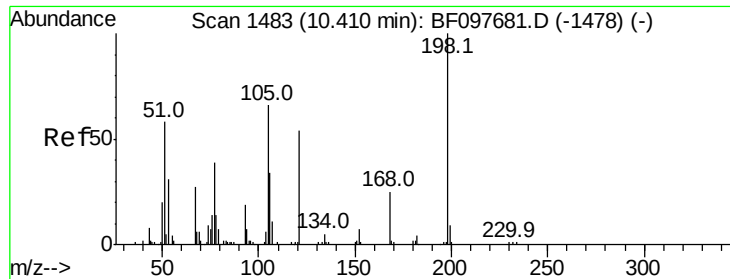


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

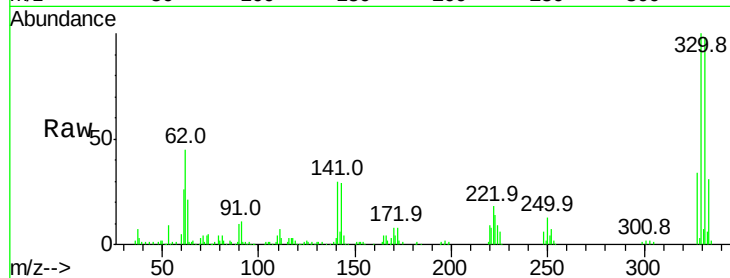




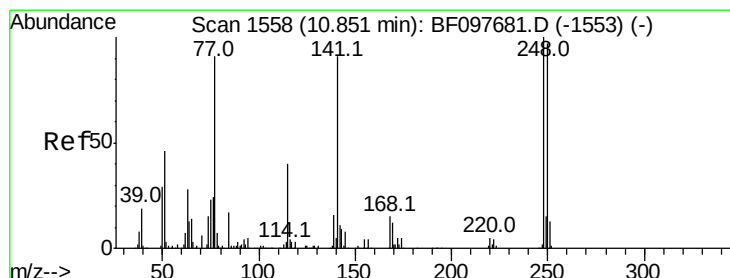
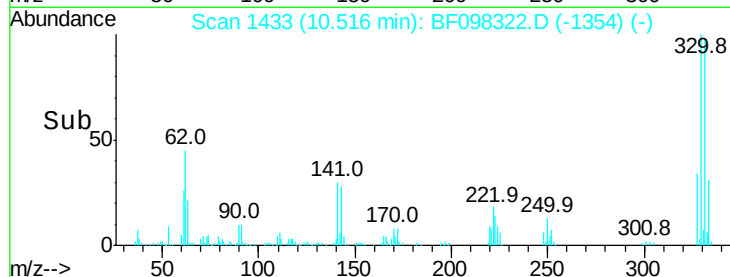
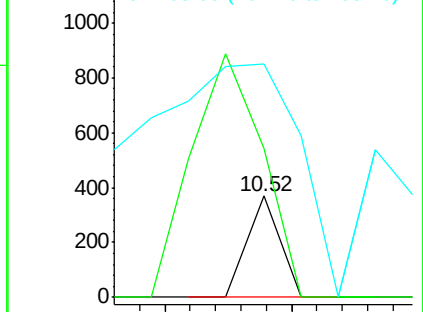
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.412 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.16 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Instrument :
 BNA_F
 ClientSampleId :
 G27A-0-1.5

Tot Ion	Ratio	Lower	Upper
198	100		
51	146.9	53.2	93.2#
105	230.1	45.8	85.8#

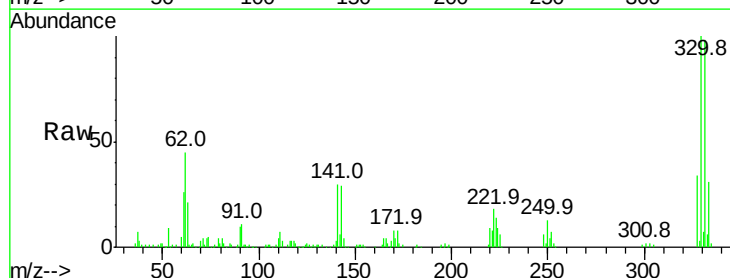


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

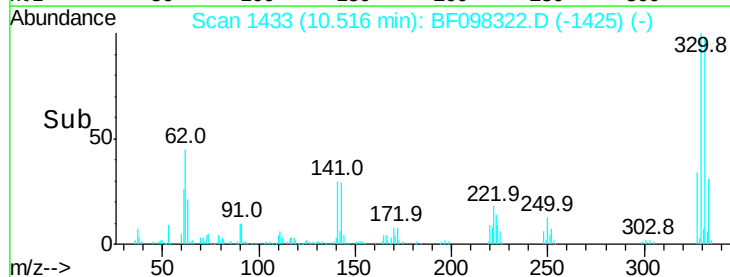
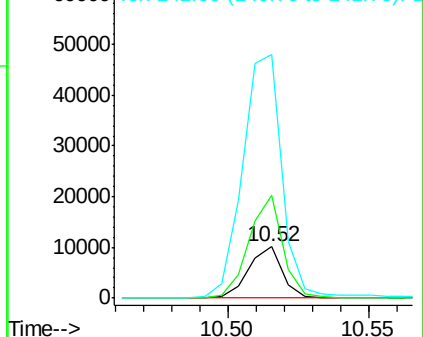


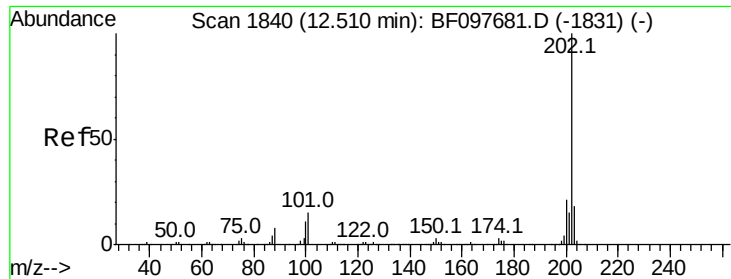
#66
 4-Bromophenyl-phenylether
 Concen: 3.252 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.9	76.8	115.2#
141	473.6	68.6	103.0#



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





#74

Fluoranthene

Concen: 2.762 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.02 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Instrument :

BNA_F

ClientSampleId :

G27A-0-1.5

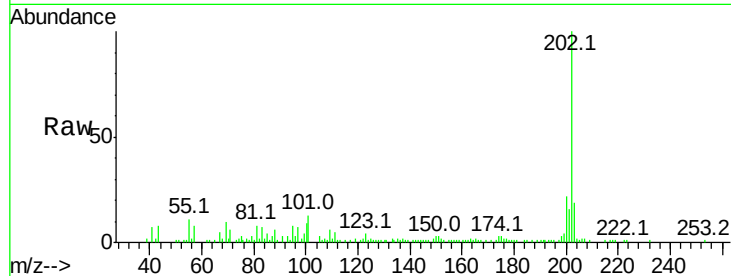
Tot Ion:202 Resp: 38325

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

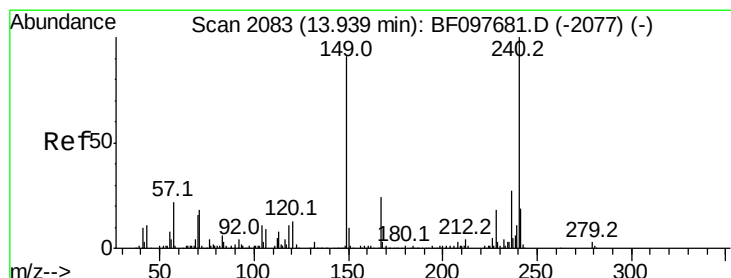
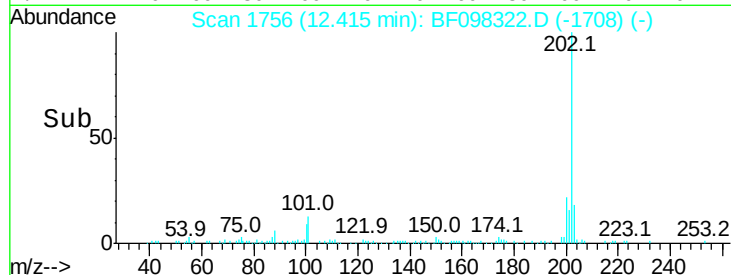
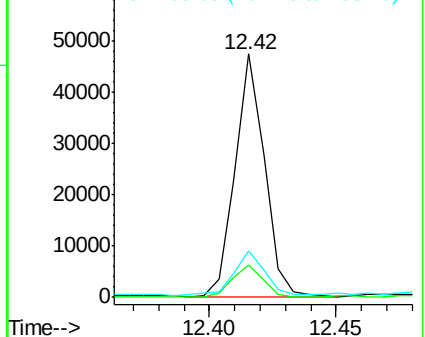
203 19.3 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

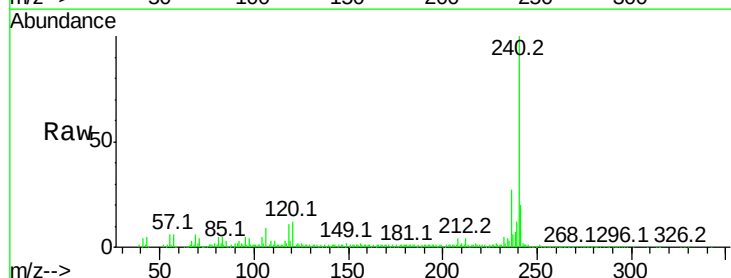
Tgt Ion:240 Resp: 211356

Ion Ratio Lower Upper

240 100

120 12.5 5.8 8.8#

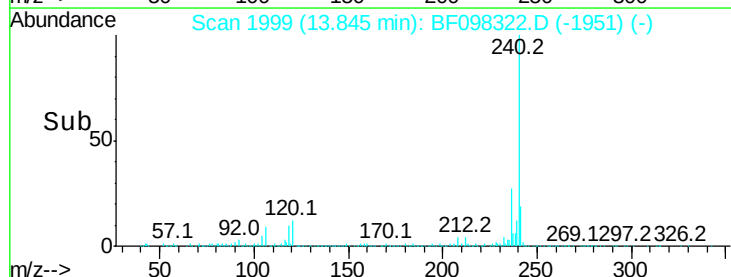
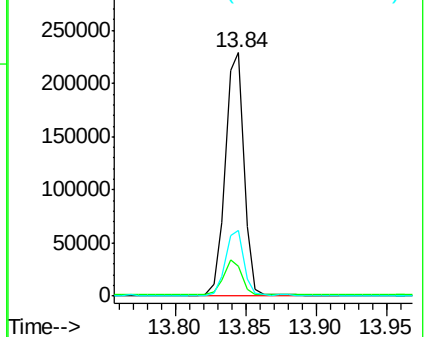
236 26.9 20.5 30.7

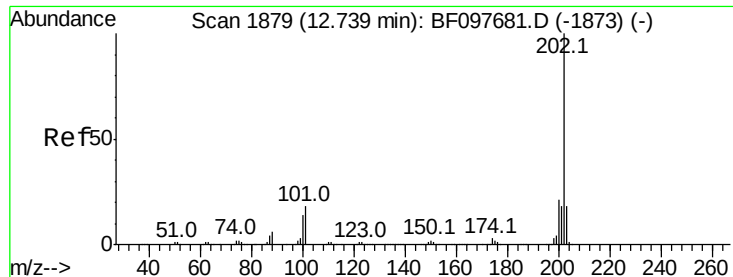


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.351 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Instrument :

BNA_F

ClientSampleId :

G27A-0-1.5

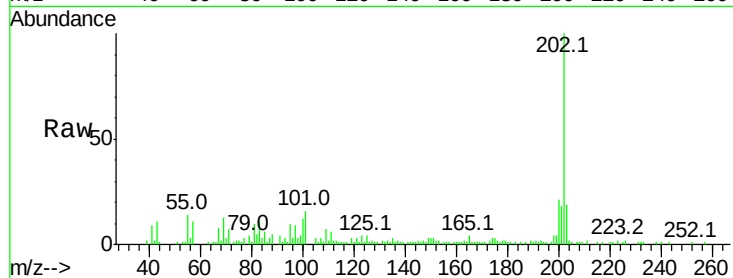
Tot Ion:202 Resp: 40645

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

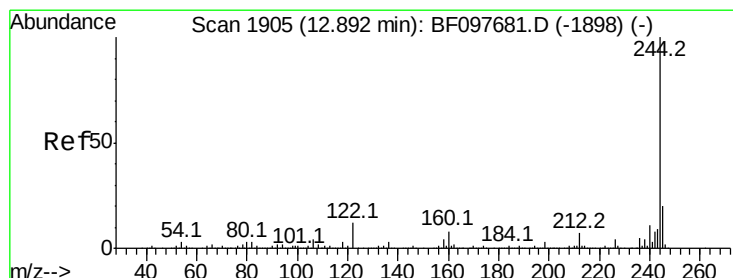
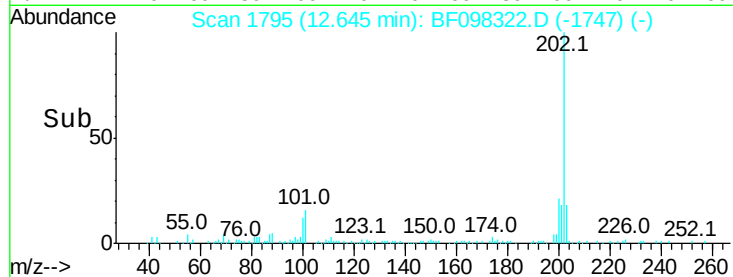
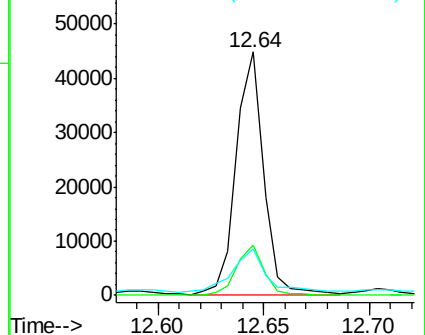
203 18.9 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 56.188 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

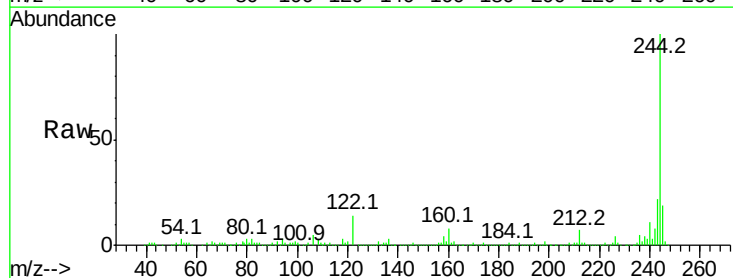
Tgt Ion:244 Resp: 569481

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

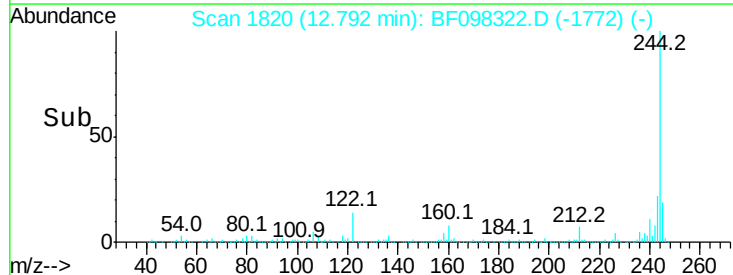
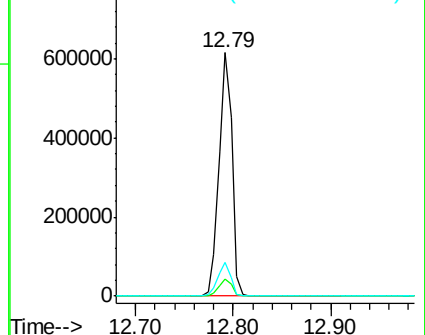
122 13.9 10.3 15.5

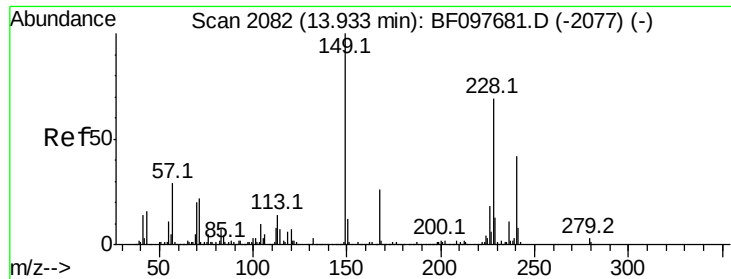


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

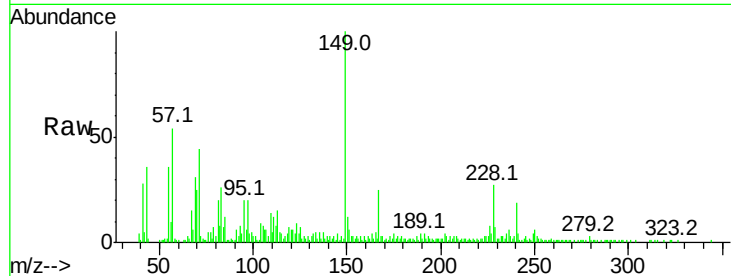




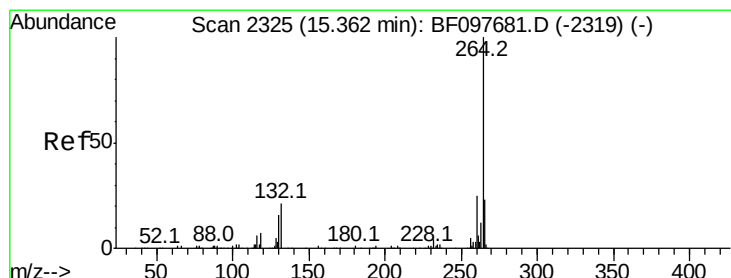
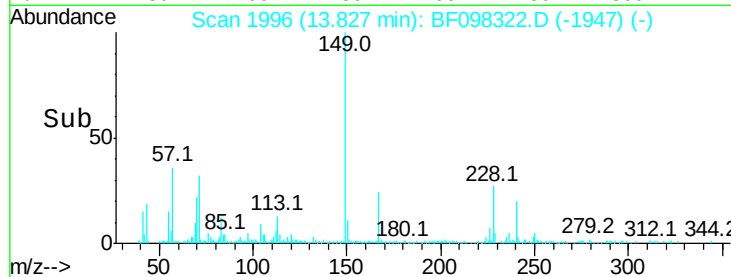
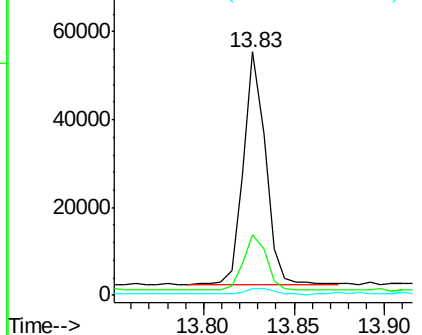
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.070 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Instrument :
 BNA_F
 ClientSampleId :
 G27A-0-1.5

Tot Ion:149 Resp: 44577
 Ion Ratio Lower Upper
 149 100
 167 25.1 21.0 31.4
 279 2.9 1.9 2.9#

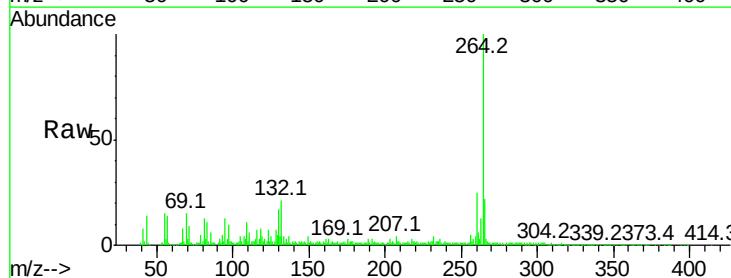


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

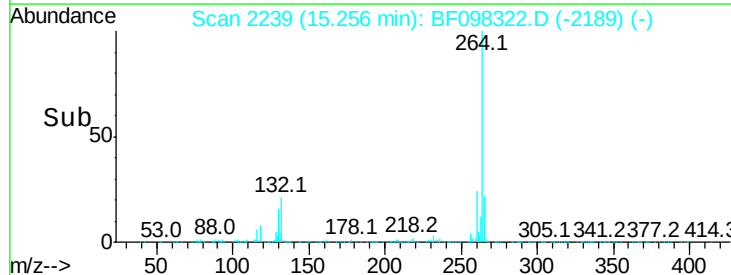
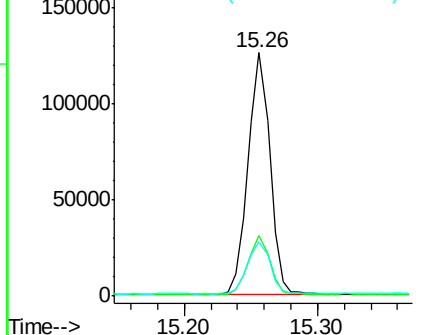


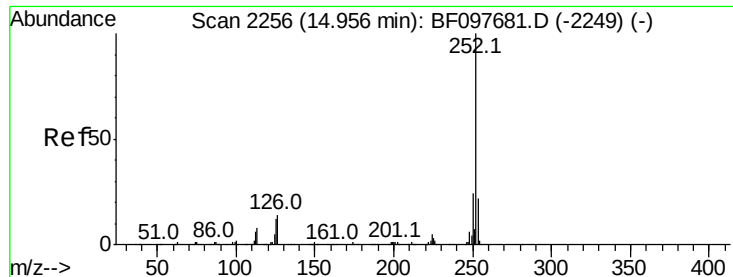
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: BF098322.D
 Acq: 7 Sep 2017 19:13

Tgt Ion:264 Resp: 142836
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.5 29.3
 265 22.4 17.2 25.8



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





#87

Benzo(b)fluoranthene

Concen: 2.958 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.01 min

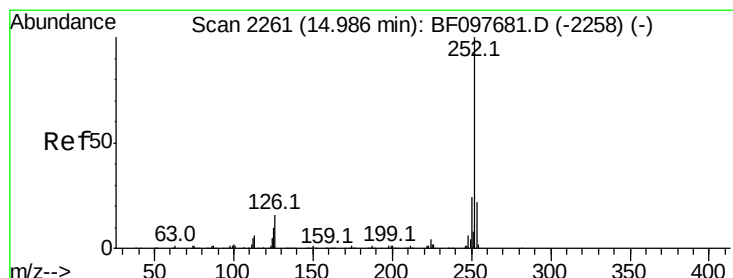
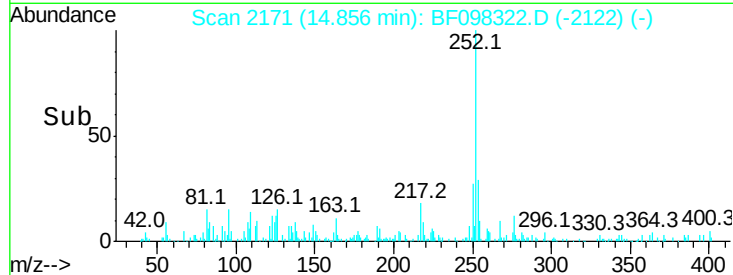
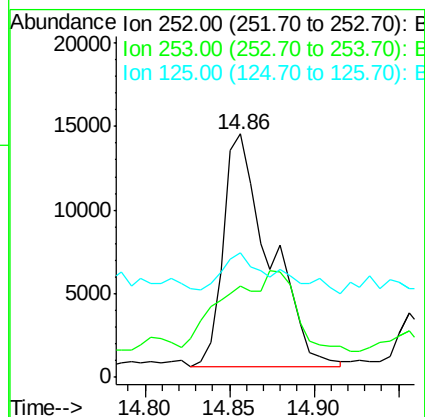
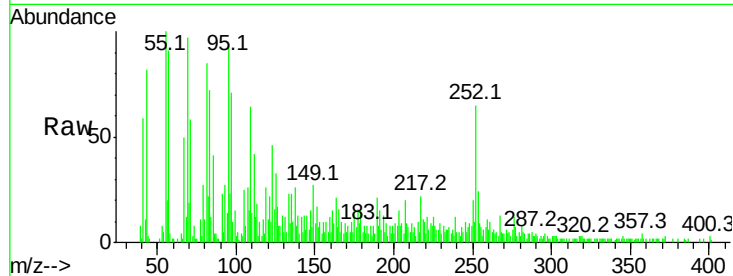
Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Instrument :
BNA_F
ClientSampleId :
G27A-0-1.5

Tot Ion:252 Resp: 26628

Ion	Ratio	Lower	Upper
252	100		
253	37.4	18.1	27.1#
125	51.2	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 3.148 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BF098322.D

Acq: 7 Sep 2017 19:13

Tgt Ion:252 Resp: 26628

Ion	Ratio	Lower	Upper
252	100		
253	37.4	18.4	27.6#
125	51.2	13.1	19.7#

