

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090617\
 Data File : BF098296.D
 Acq On : 7 Sep 2017 2:15
 Operator : SJ/JU
 Sample : I5052-12 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Quant Time: Sep 07 03:42:51 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

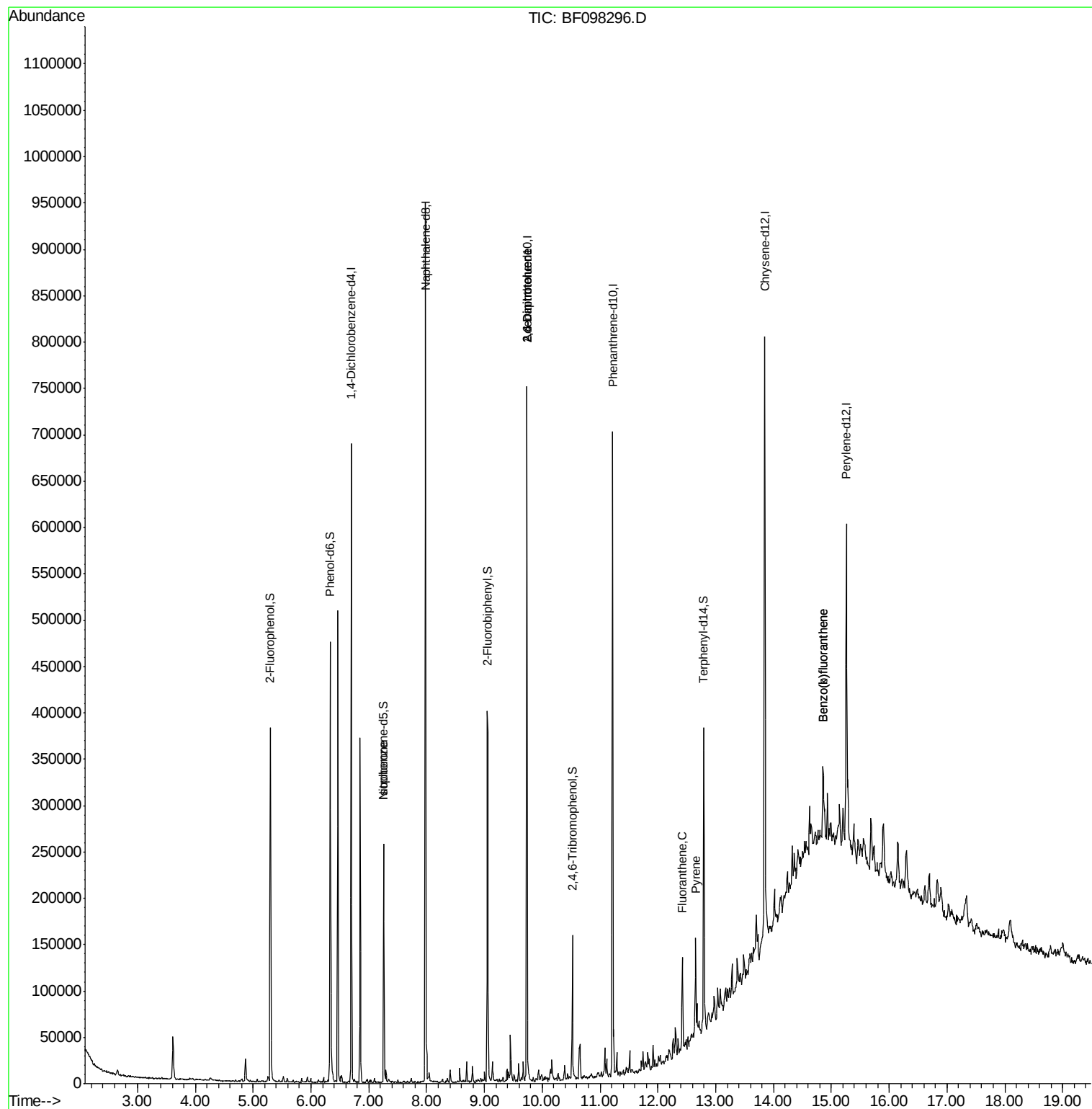
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	103569	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	376253	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	138392	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	234702	20.00	ng	0.00
75) Chrysene-d12	13.85	240	225189	20.00	ng	-0.01
86) Perylene-d12	15.26	264	154632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	121228	17.80	ng	0.00
7) Phenol-d6	6.33	99	159351	17.22	ng	-0.02
23) Nitrobenzene-d5	7.26	82	86819	12.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	16776	13.97	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	129589	13.76	ng	-0.01
78) Terphenyl-d14	12.79	244	90837	8.41	ng	-0.02
Target Compounds						
25) Isophorone	7.26	82	86831	6.03	ng	# 67
50) 2,6-Dinitrotoluene	9.73	165	17293	8.56	ng	# 34
56) 2,4-Dinitrotoluene	9.73	165	17293	6.82	ng	# 33
74) Fluoranthene	12.42	202	35549	2.72	ng	98
77) Pyrene	12.65	202	39965	2.17	ng	99
87) Benzo(b)fluoranthene	14.86	252	42819	4.39	ng	# 89
88) Benzo(k)fluoranthene	14.86	252	42819	4.68	ng	# 93

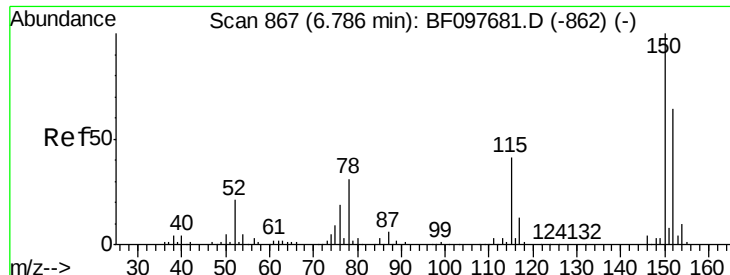
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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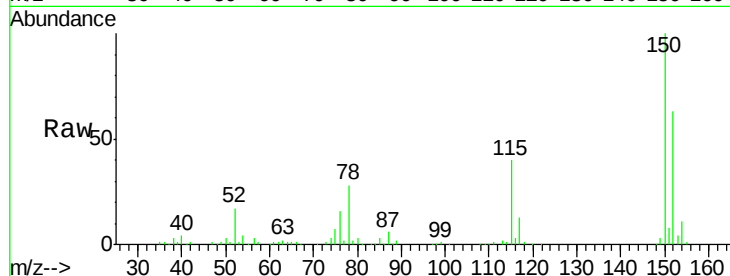




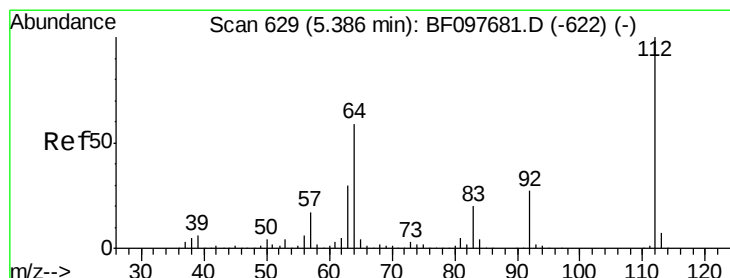
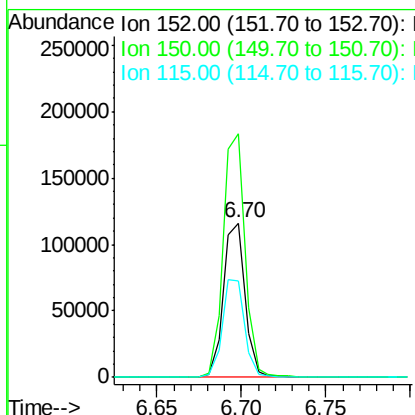
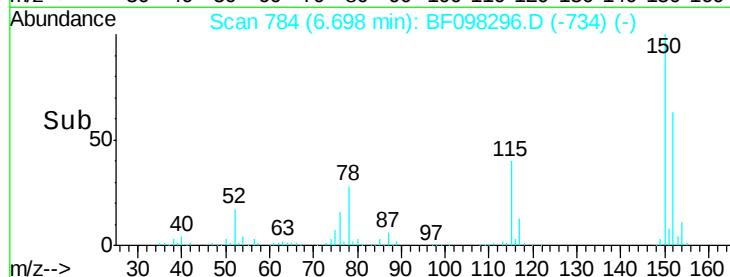
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Tot Ion:152 Resp: 103569
 Ion Ratio Lower Upper
 152 100
 150 158.0 126.2 189.2
 115 62.6 52.2 78.2

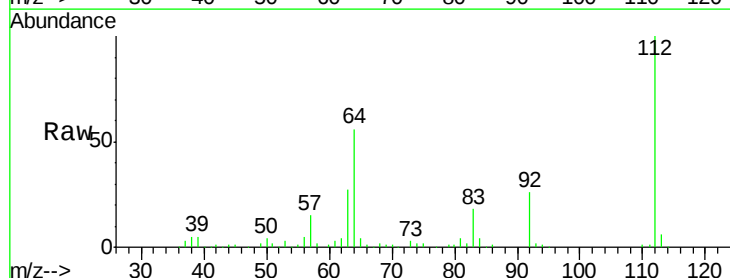


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

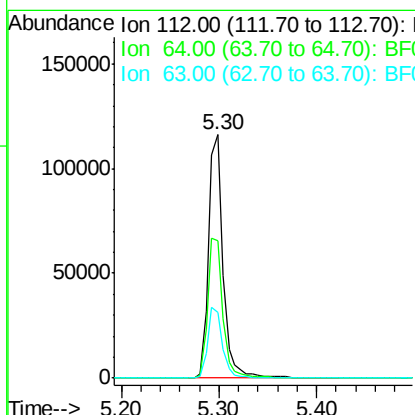
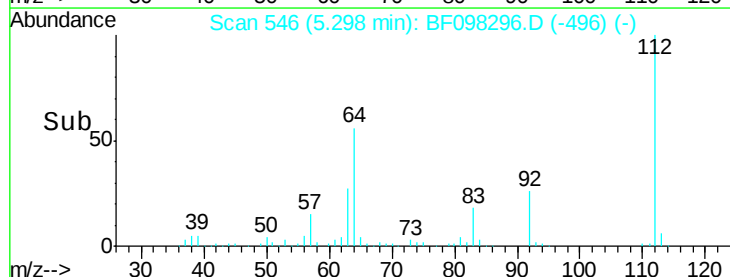


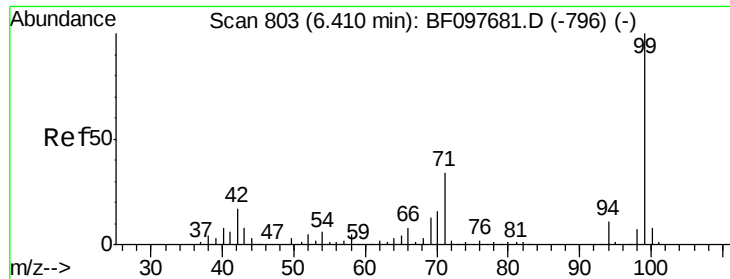
#5
 2-Fluorophenol
 Concen: 17.80 ng
 RT: 5.30 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

Tgt Ion:112 Resp: 121228
 Ion Ratio Lower Upper
 112 100
 64 56.3 46.0 69.0
 63 26.9 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: 17.22 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

Instrument :

BNA_F

ClientSampleId :

G27A-1.5-3

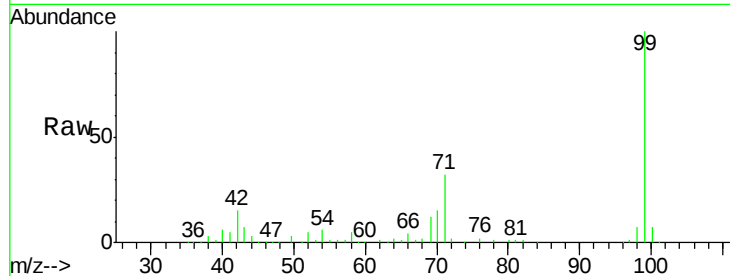
Tot Ion: 99 Resp: 159351

Ion Ratio Lower Upper

99 100

42 14.6 13.5 20.3

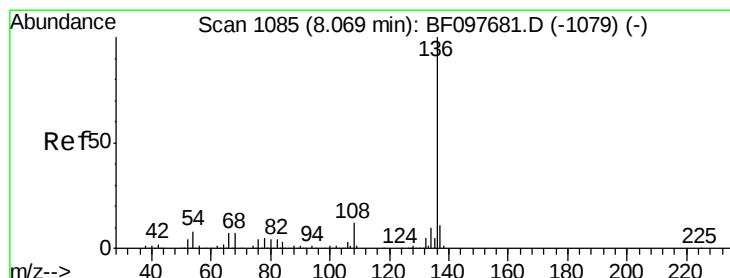
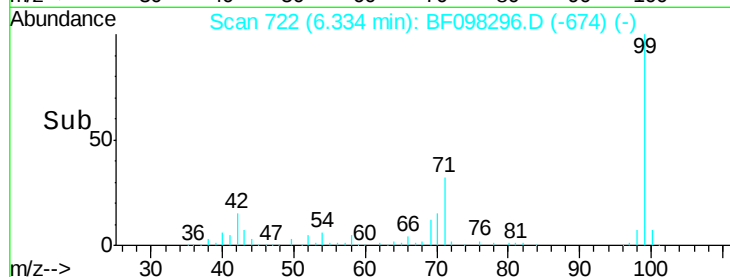
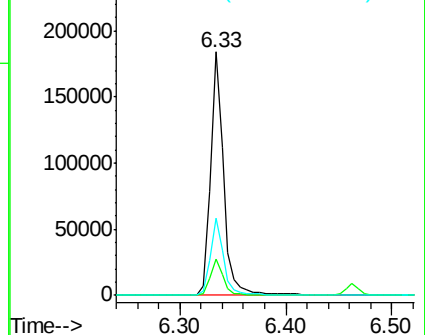
71 32.0 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

Tgt Ion: 136 Resp: 376253

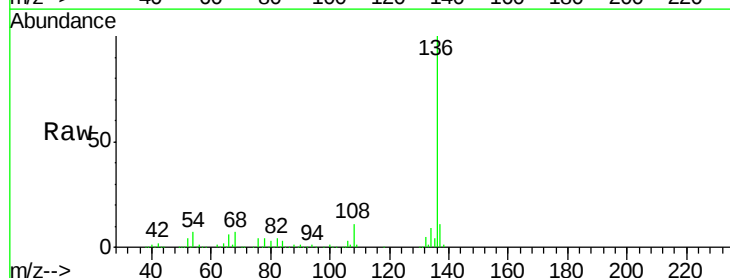
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.1 4.9 7.3

68 7.0 4.1 6.1#

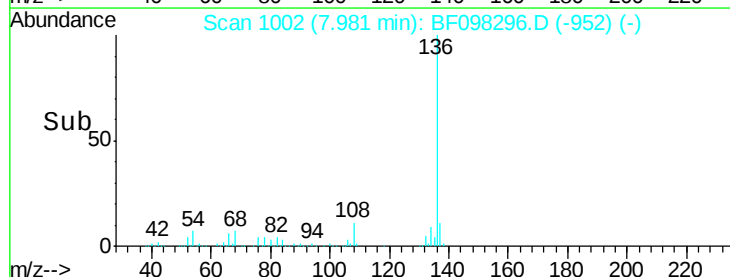
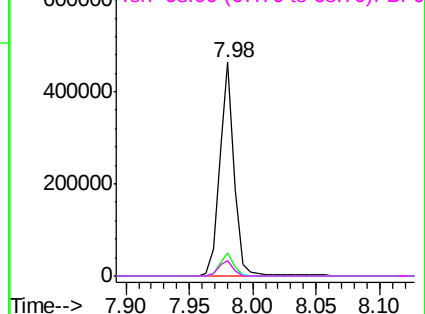


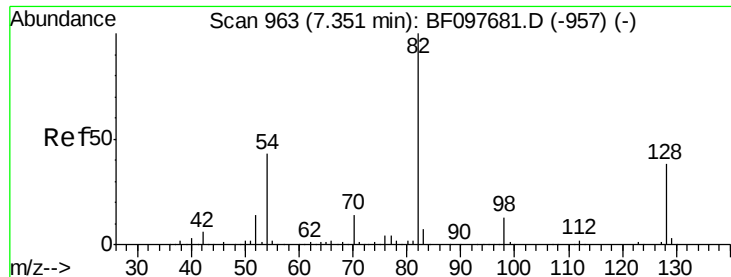
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

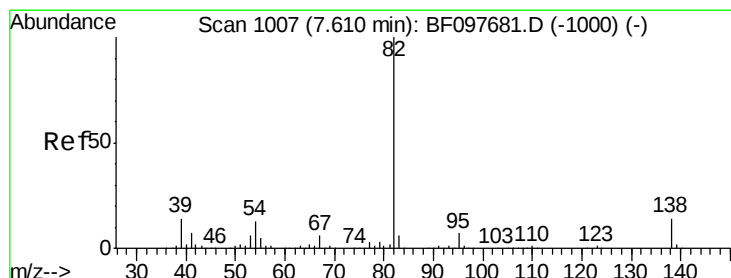
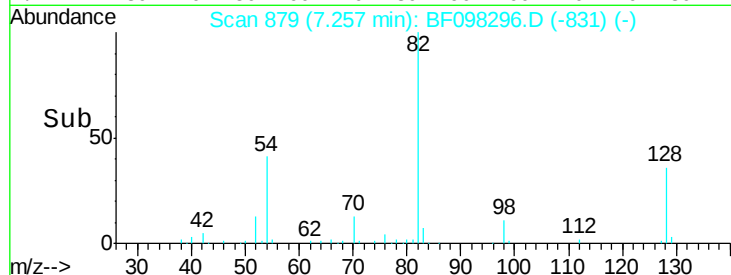
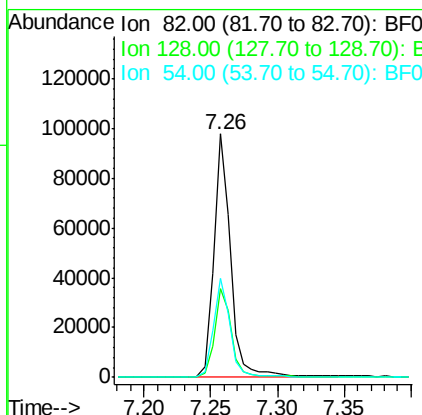
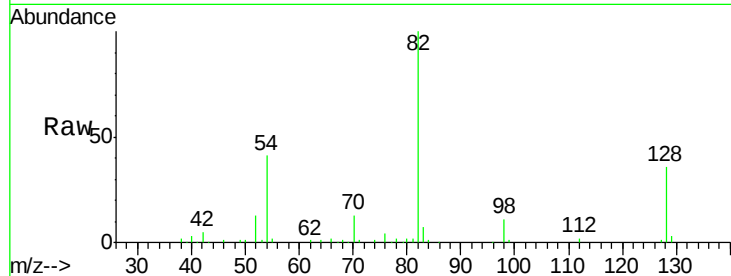




#23
 Nitrobenzene-d5
 Concen: 12.54 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

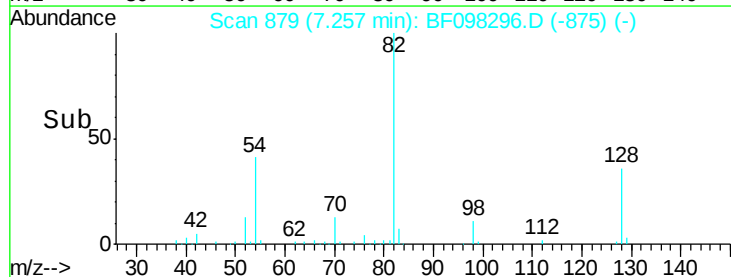
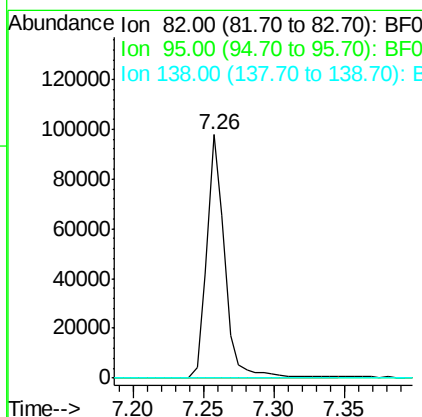
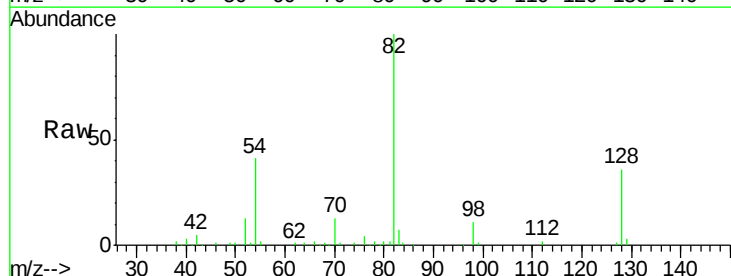
Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

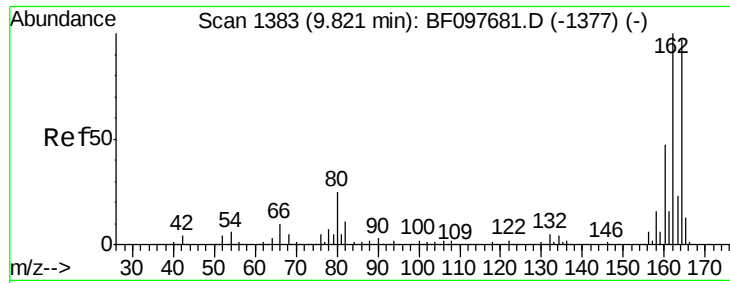
Tot Ion	82	Resp	86819
Ion Ratio	Lower	Upper	
82	100		
128	36.4	34.0	51.0
54	40.7	42.2	63.2#



#25
 Isophorone
 Concen: 6.03 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

Tgt Ion	82	Resp	86831
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

Instrument :

BNA_F

ClientSampleId :

G27A-1.5-3

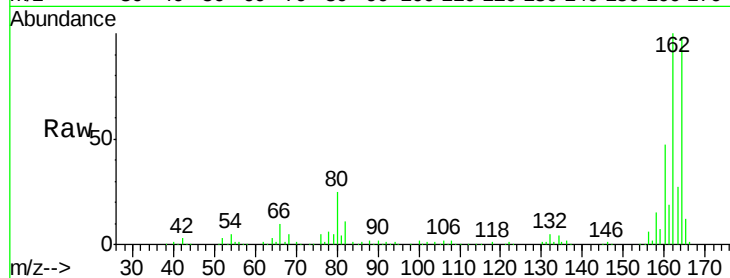
Tot Ion:164 Resp: 138392

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

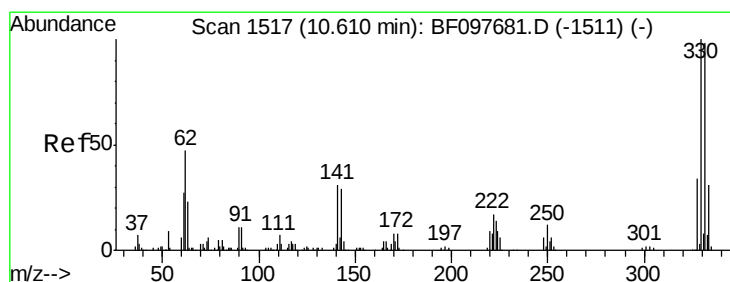
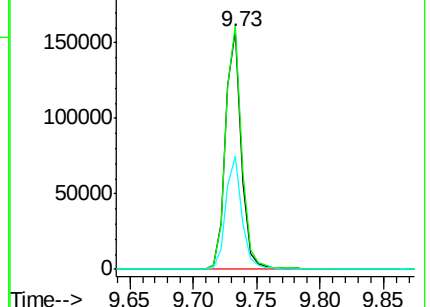
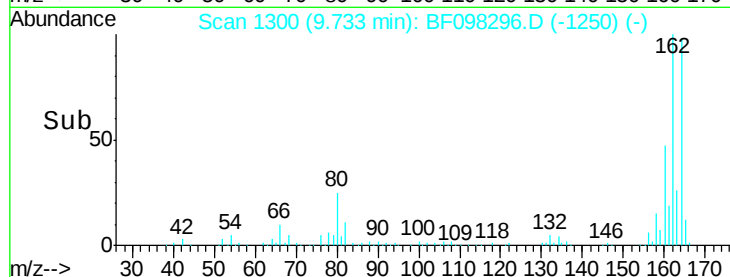
160 47.7 36.2 54.2



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: 13.97 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

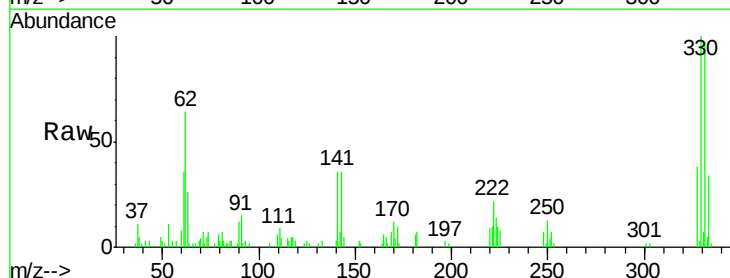
Tgt Ion:330 Resp: 16776

Ion Ratio Lower Upper

330 100

332 94.5 76.6 115.0

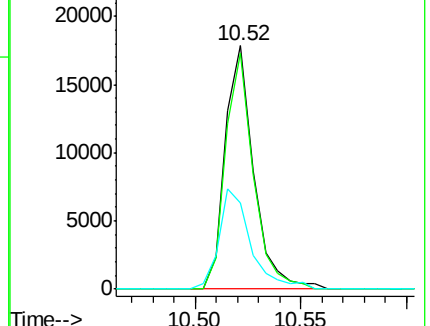
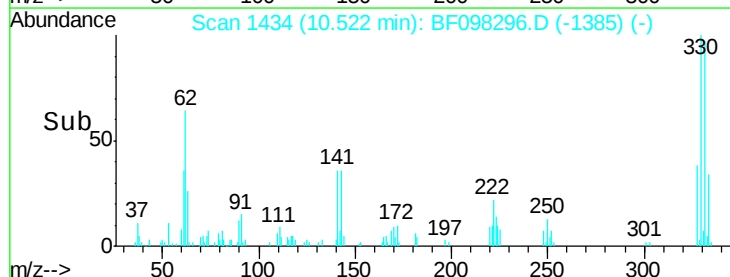
141 45.9 31.4 47.2

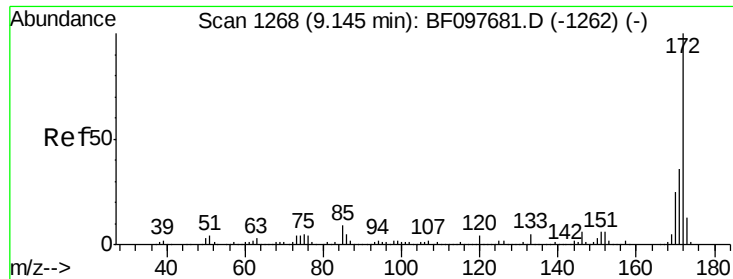


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

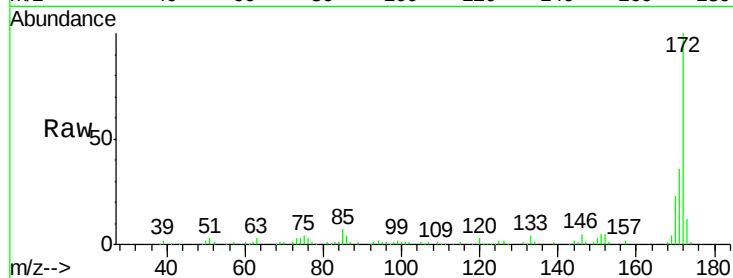




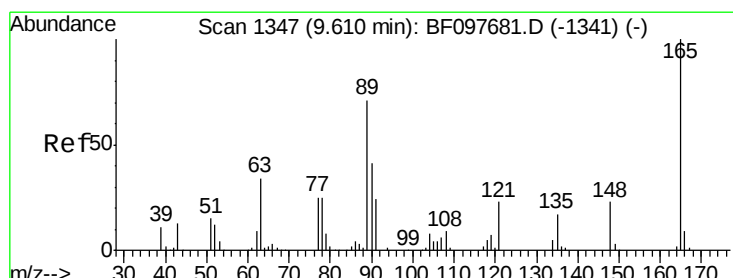
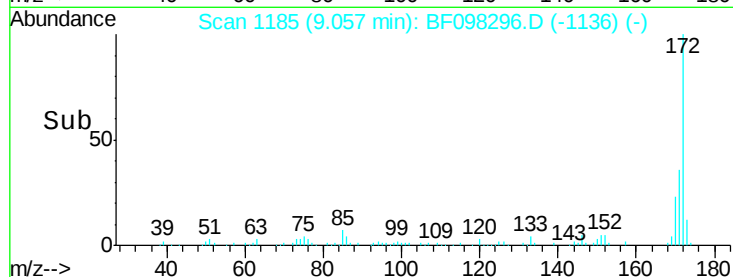
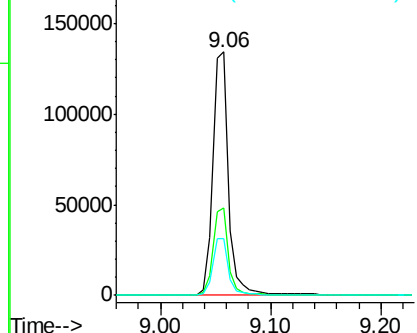
#44
 2-Fluorobiphenyl
 Concen: 13.76 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

Instrument :
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 G27A-1.5-3

Tot Ion:172 Resp: 129589
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.2 19.8 29.8

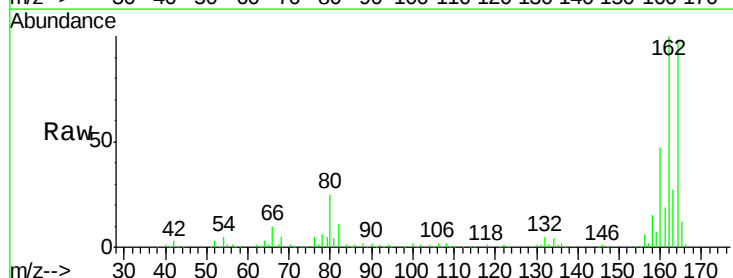


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

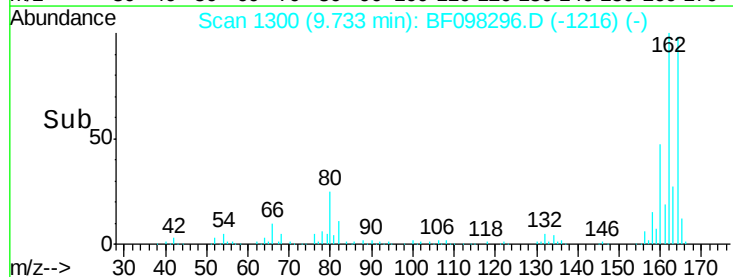
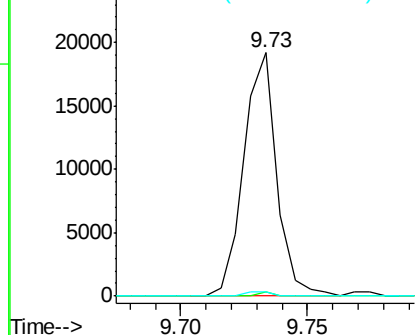


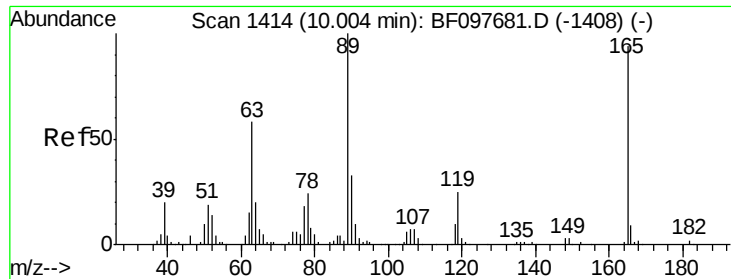
#50
 2,6-Dinitrotoluene
 Concen: 8.56 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.19 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

Tgt Ion:165 Resp: 17293
 Ion Ratio Lower Upper
 165 100
 63 1.7 34.3 51.5#
 89 1.8 37.1 55.7#



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

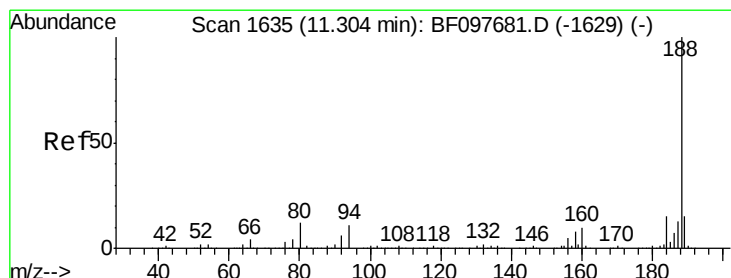
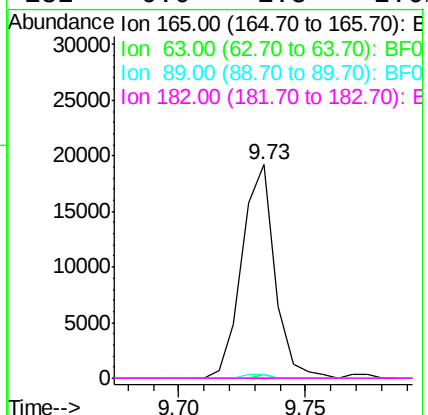
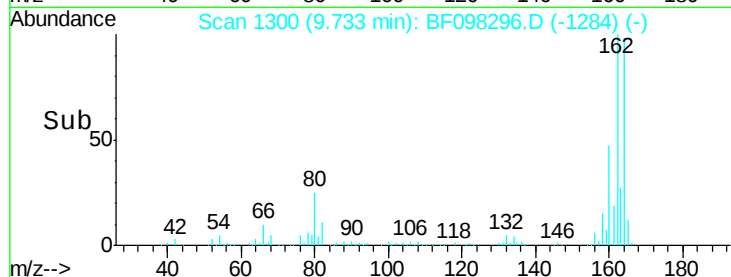
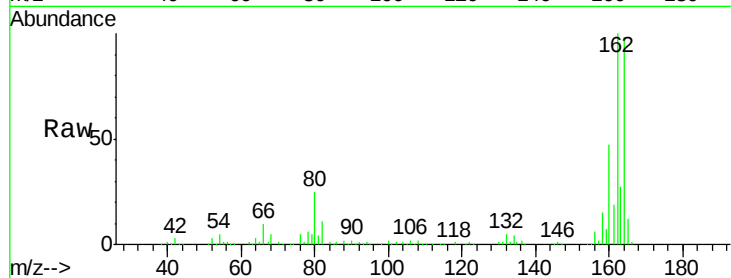




#56
 2,4-Dinitrotoluene
 Concen: 6.82 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

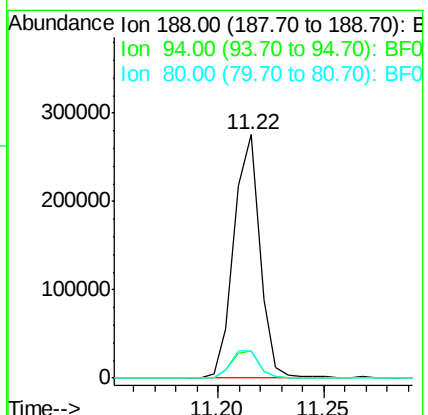
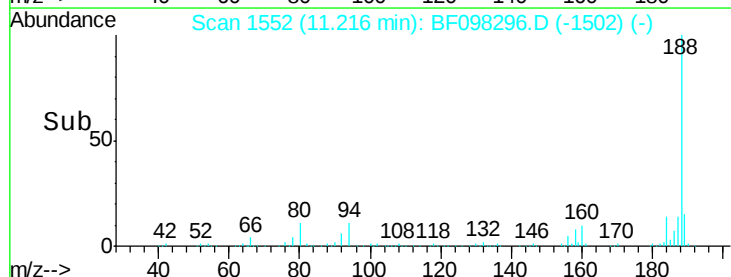
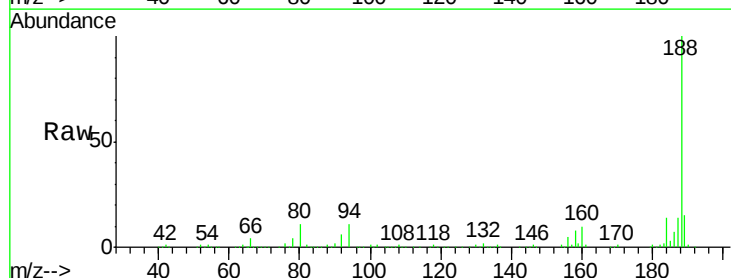
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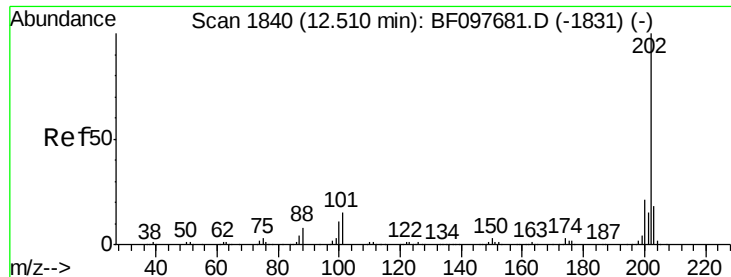
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.2	10.2	15.2





#74

Fluoranthene

Concen: 2.72 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

Instrument :

BNA_F

ClientSampleId :

G27A-1.5-3

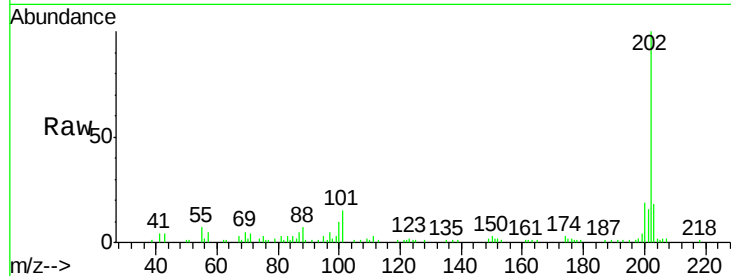
Tot Ion:202 Resp: 35549

Ion Ratio Lower Upper

202 100

101 14.8 0.0 33.2

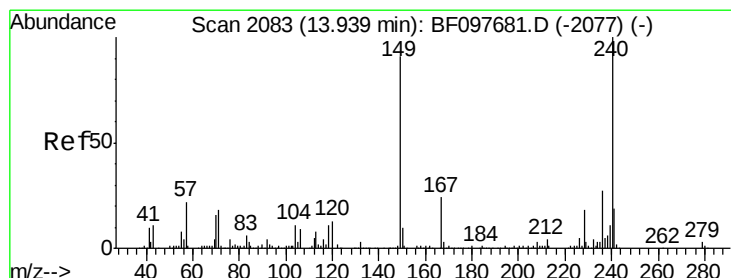
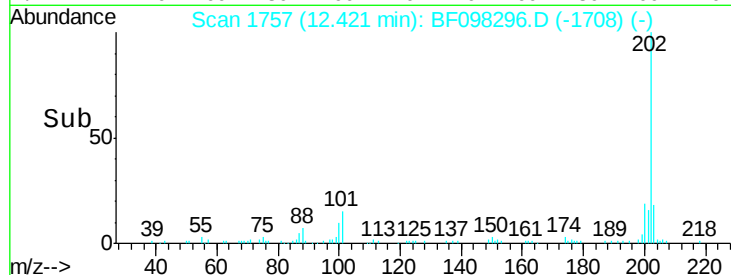
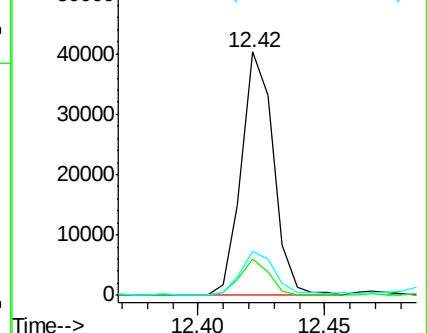
203 18.0 0.0 38.1



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: 20.00 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

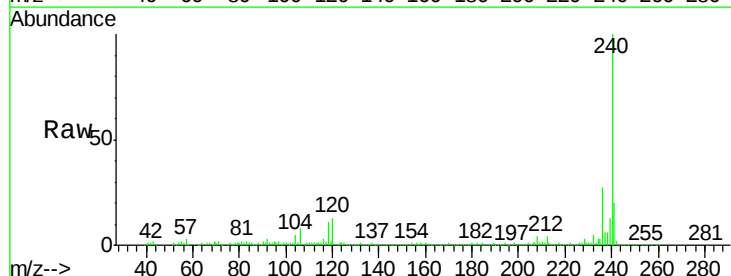
Tgt Ion:240 Resp: 225189

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

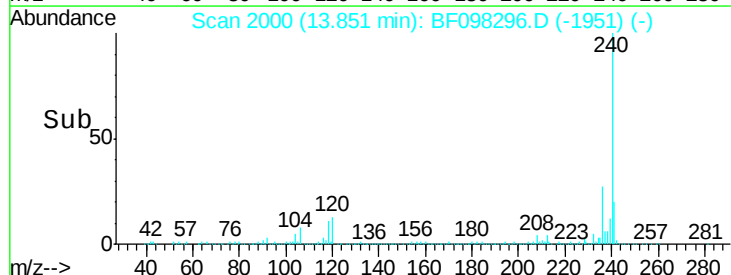
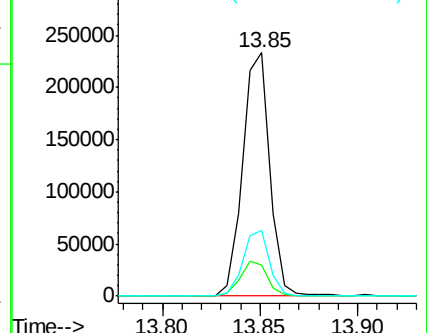
236 26.9 20.5 30.7

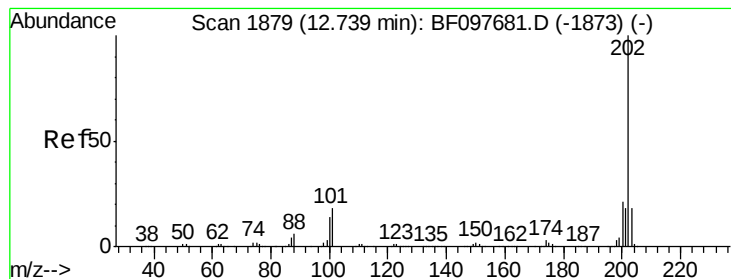


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.17 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

Instrument :

BNA_F

ClientSampleId :

G27A-1.5-3

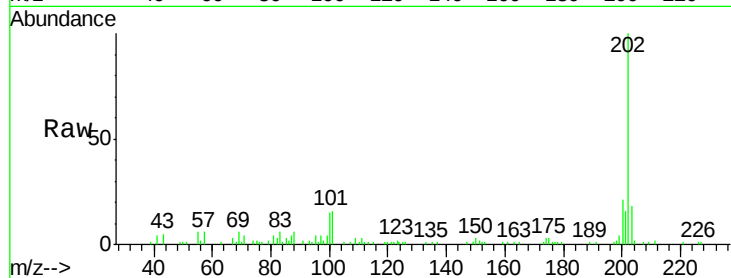
Tot Ion:202 Resp: 39965

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

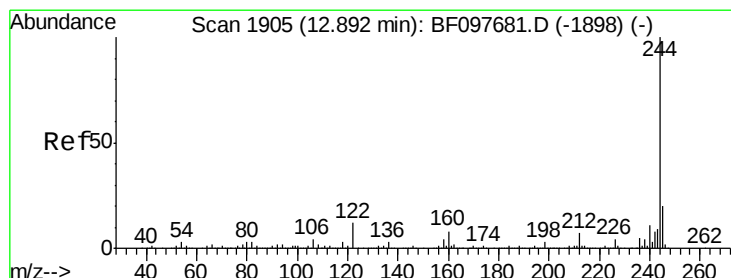
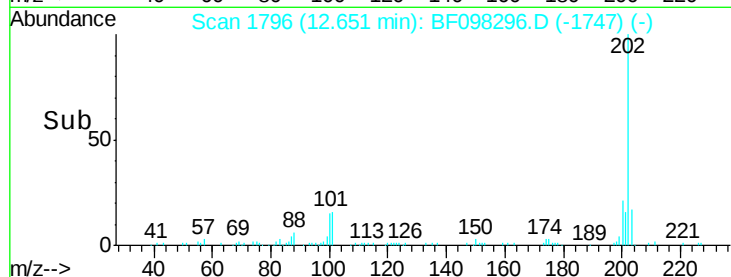
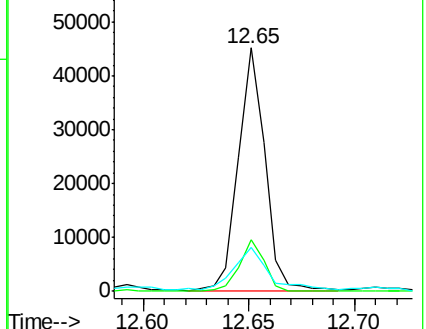
203 18.1 14.4 21.6



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: 8.41 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF098296.D

Acq: 7 Sep 2017 2:15

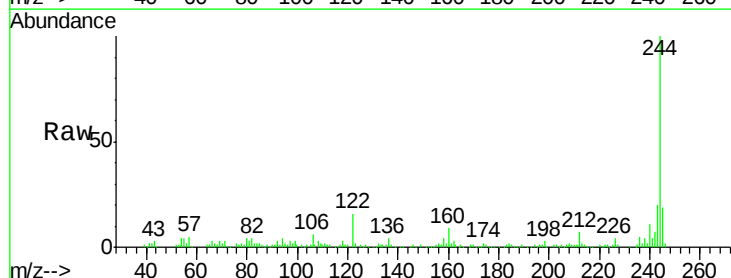
Tgt Ion:244 Resp: 90837

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

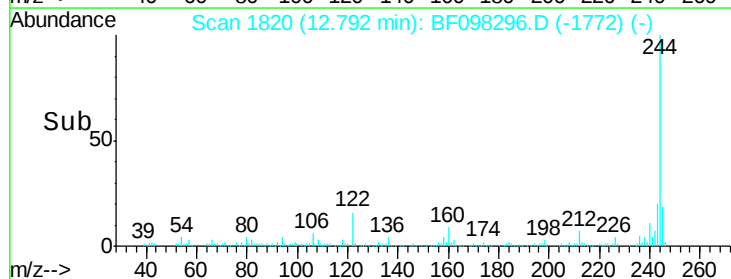
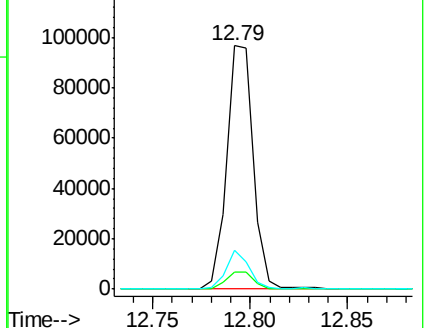
122 16.0 10.3 15.5#

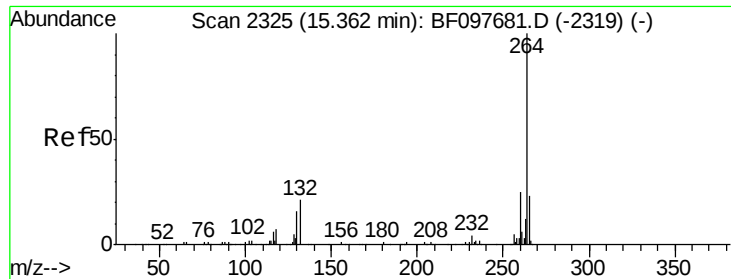


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

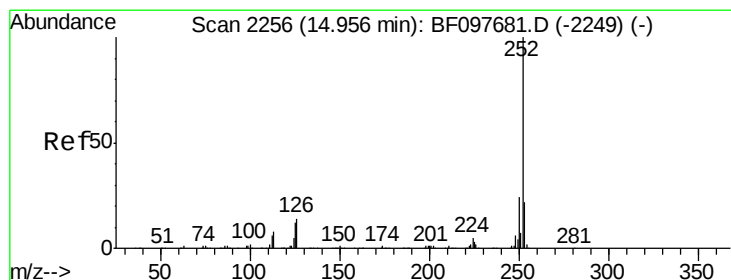
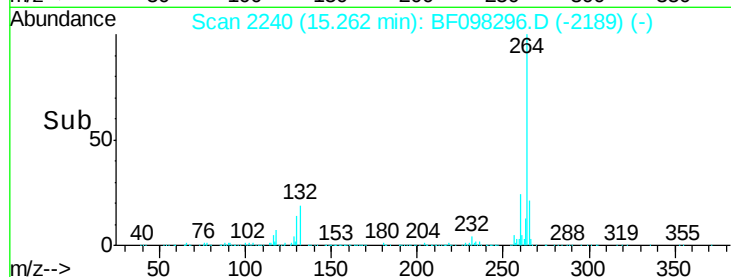
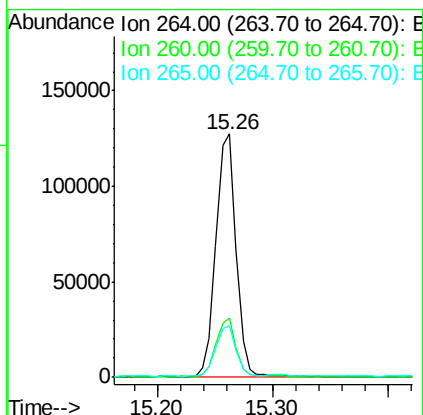
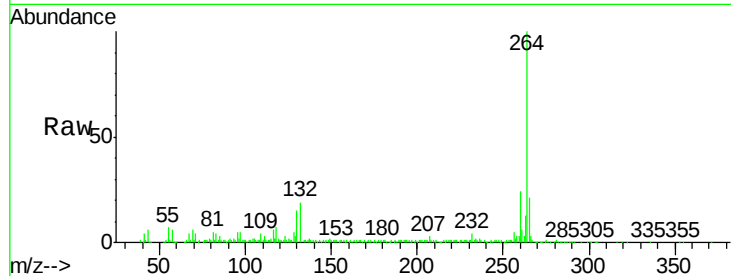




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF098296.D
Acq: 7 Sep 2017 2:15

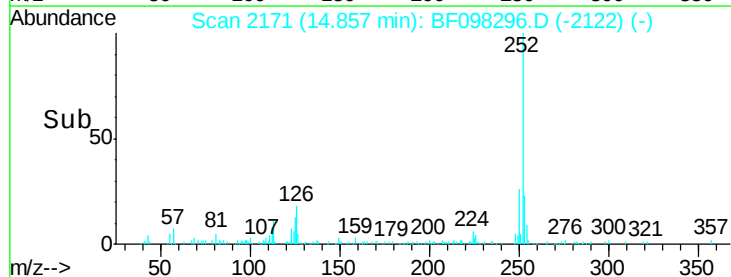
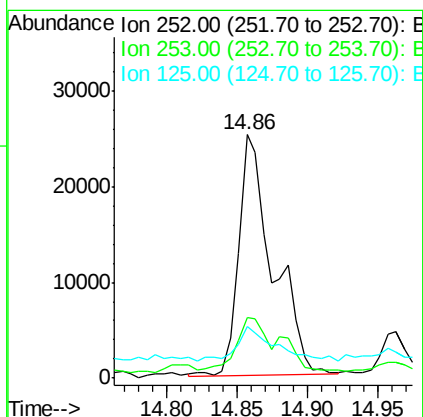
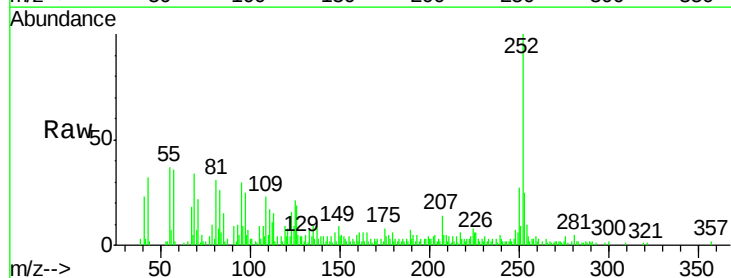
Instrument :
BNA_F
ClientSampleId :
G27A-1.5-3

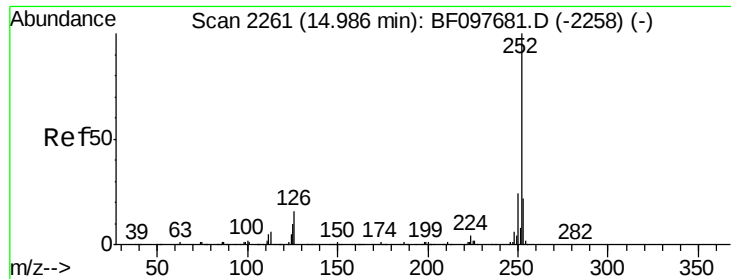
Tot Ion:264 Resp: 154632
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.39 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF098296.D
Acq: 7 Sep 2017 2:15

Tgt Ion:252 Resp: 42819
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 21.1 9.8 14.8#

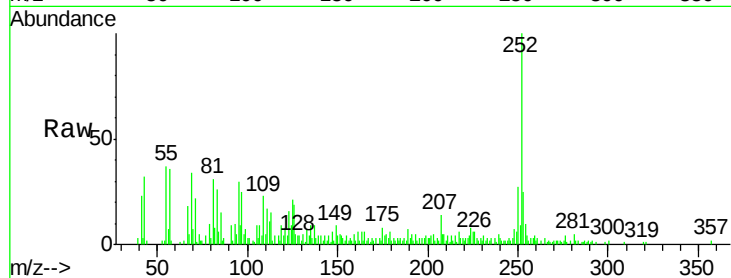




#88
 Benzo(k)fluoranthene
 Concen: 4.68 ng
 RT: 14.86 min Scan# 2171
 Delta R.T. -0.04 min
 Lab File: BF098296.D
 Acq: 7 Sep 2017 2:15

Instrument :
 BNA_F
 ClientSampleId :
 G27A-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	21.1	13.1	19.7



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

