

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098881.D
 Acq On : 27 Sep 2017 23:52
 Operator : SJ/JU
 Sample : I54445-07 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:55:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

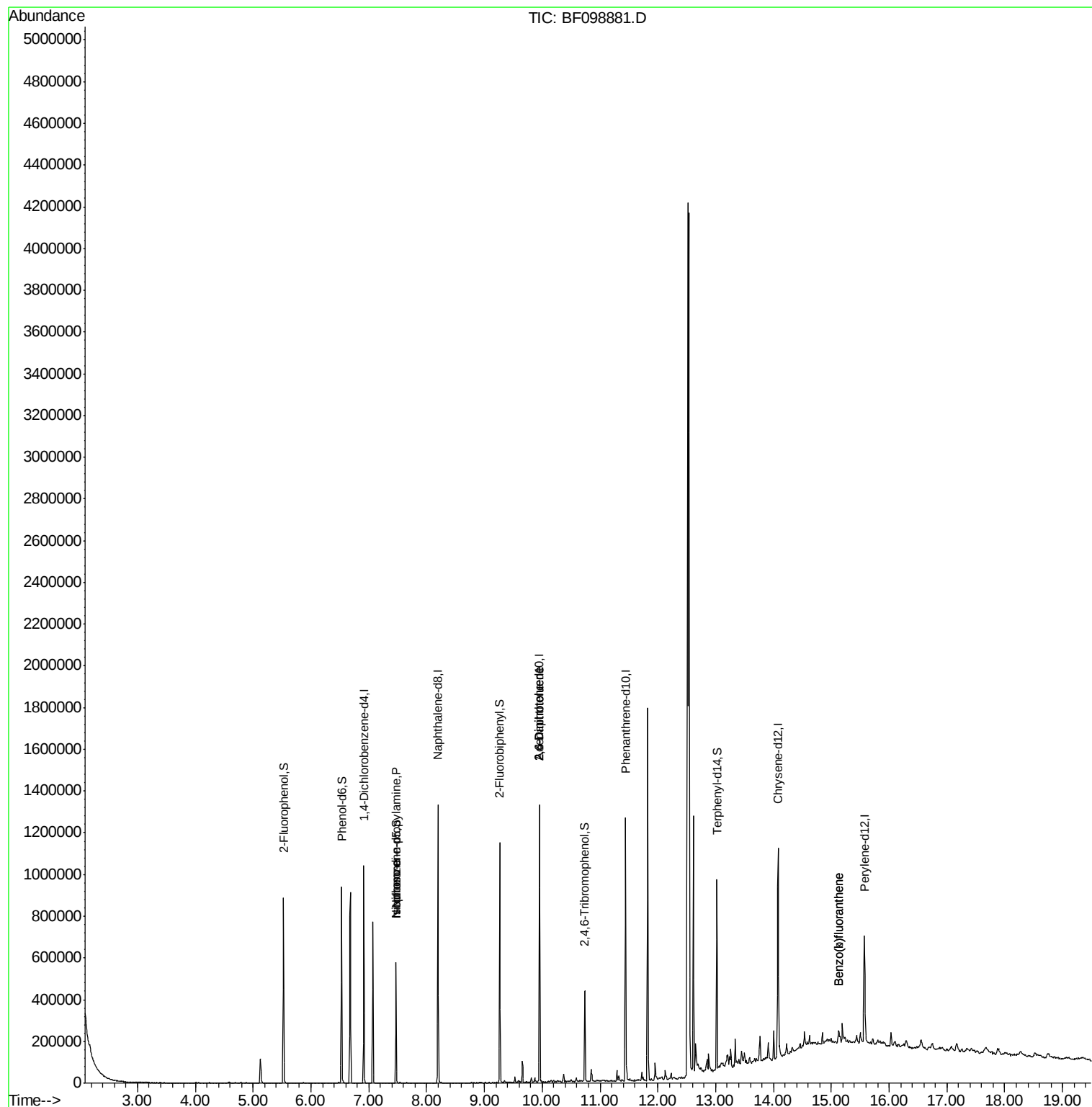
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	140290	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	566386	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	235866	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	379816	20.00	ng	0.00
75) Chrysene-d12	14.08	240	302862	20.00	ng	0.00
86) Perylene-d12	15.57	264	225117	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	220035	24.97	ng	-0.02
7) Phenol-d6	6.53	99	267539	24.61	ng	-0.02
23) Nitrobenzene-d5	7.47	82	155554	17.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	40546	21.01	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	302811	21.43	ng	-0.01
78) Terphenyl-d14	13.02	244	233369	17.52	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	20146	2.90	ng	# 76
25) Isophorone	7.47	82	155291	8.50	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	29828	7.70	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	29828	5.93	ng	# 23
87) Benzo(b)fluoranthene	15.13	252	37558	2.71	ng	# 80
88) Benzo(k)fluoranthene	15.13	252	37558	2.75	ng	# 83

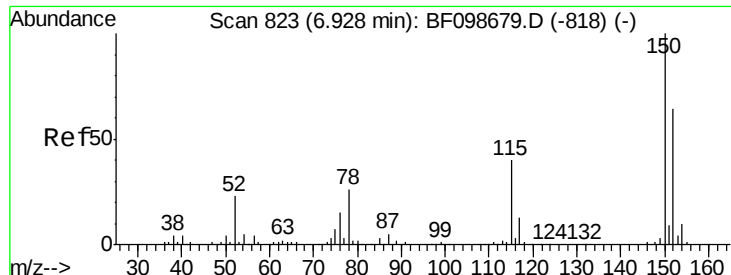
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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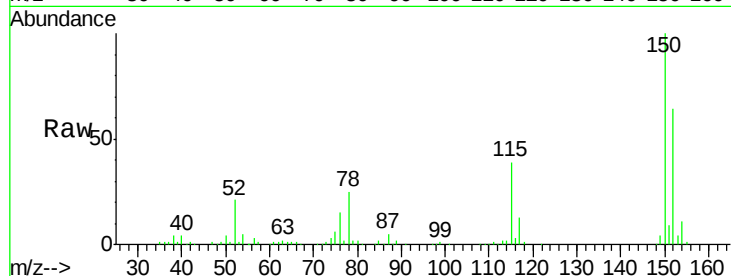


#1

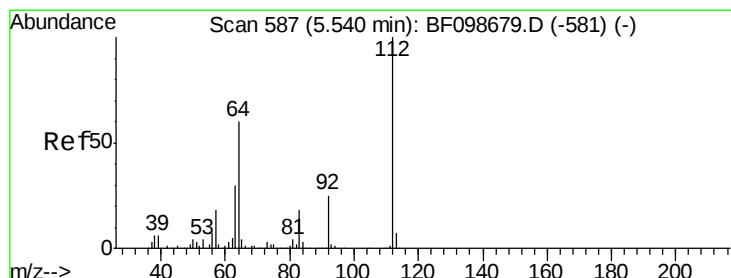
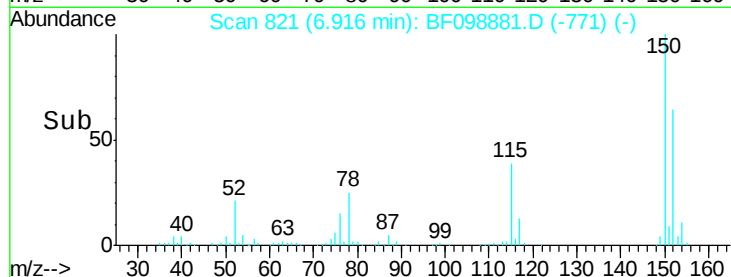
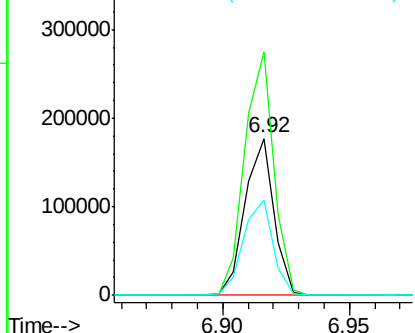
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	61.0	50.1	75.1



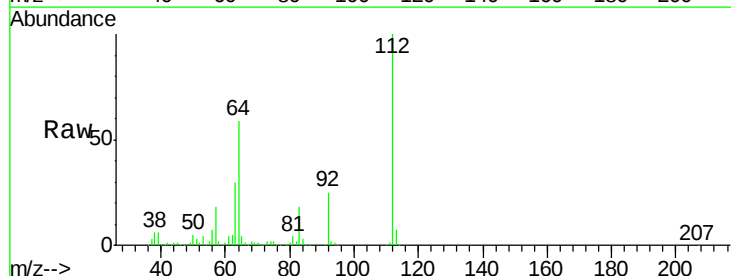
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



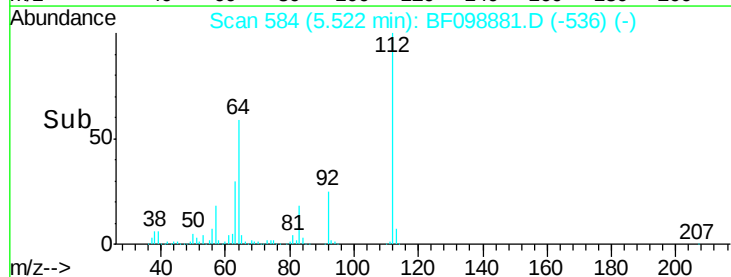
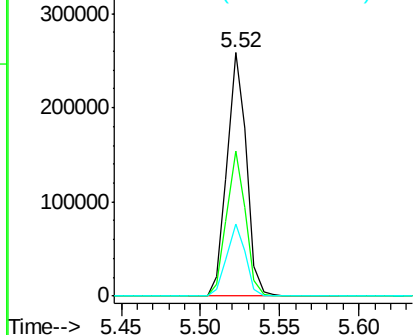
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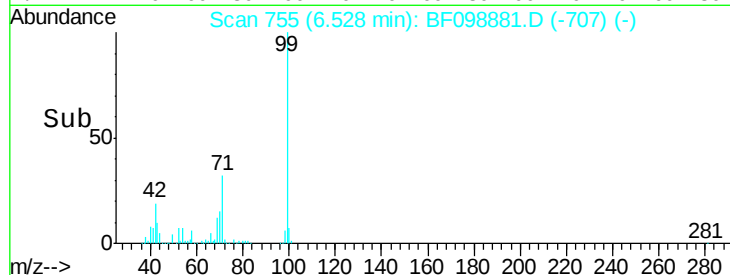
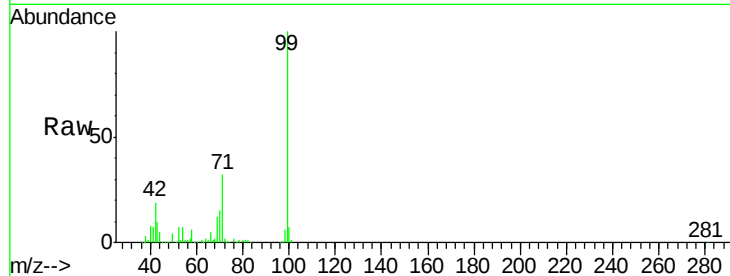
2-Fluorophenol
Concen: 24.97 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	29.8	23.7	35.5



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





#7

Phenol-d6

Concen: 24.61 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098881.D

Acq: 27 Sep 2017 23:52

Instrument :

BNA_F

ClientSampleId :

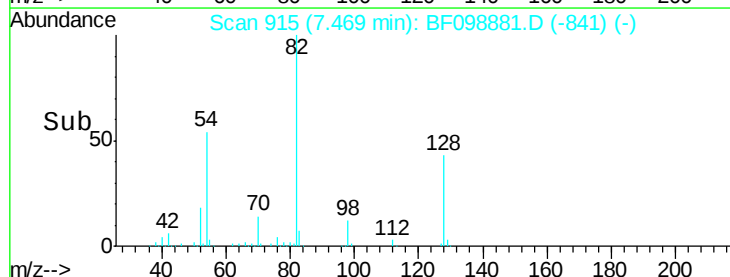
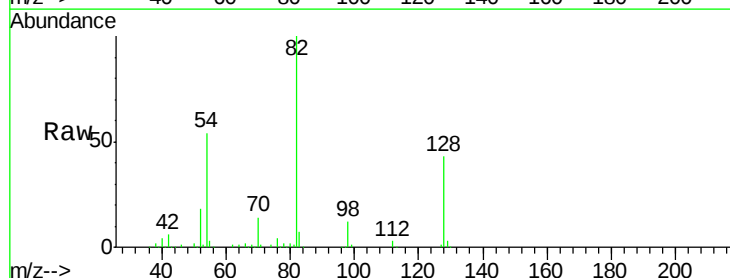
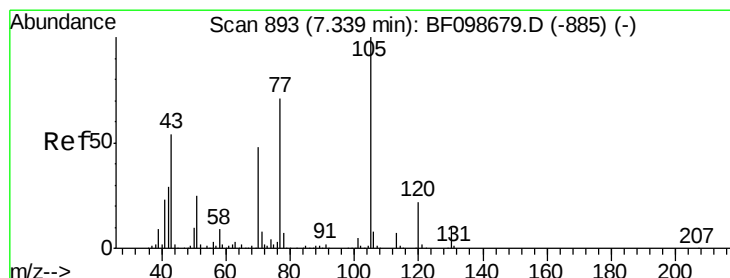
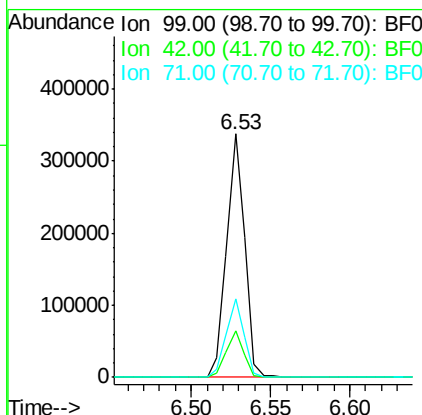
Tot Ion: 99 Resp: 267539

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.90 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098881.D

Acq: 27 Sep 2017 23:52

Tgt Ion: 70 Resp: 20146

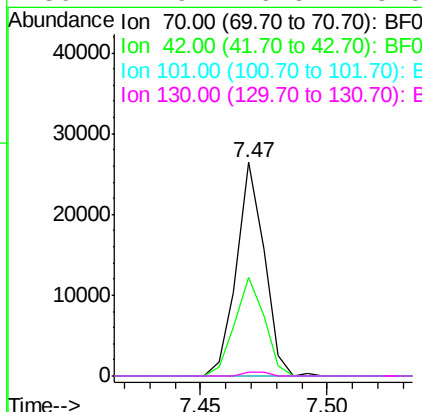
Ion Ratio Lower Upper

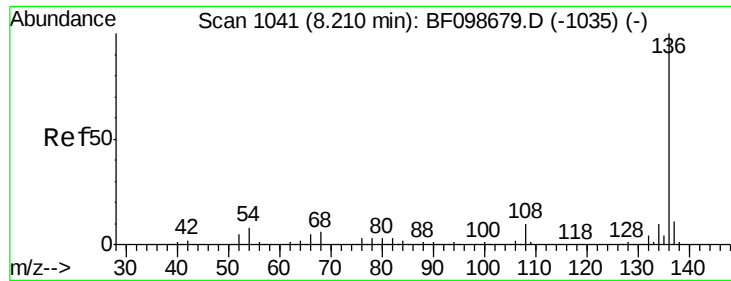
70 100

42 46.4 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

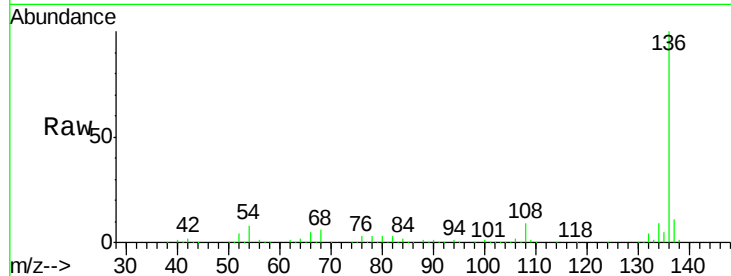




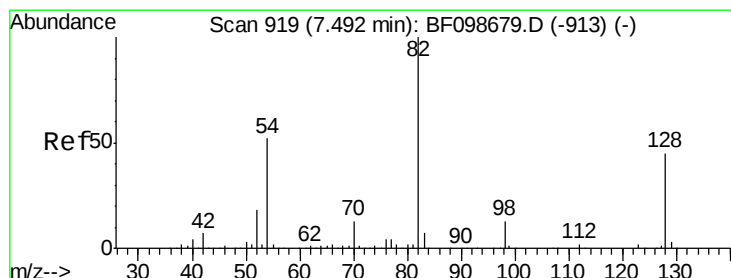
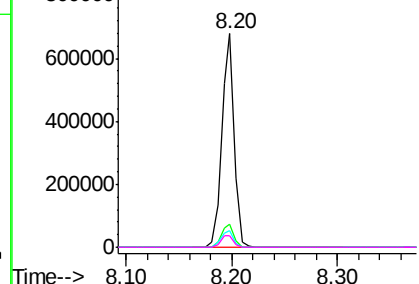
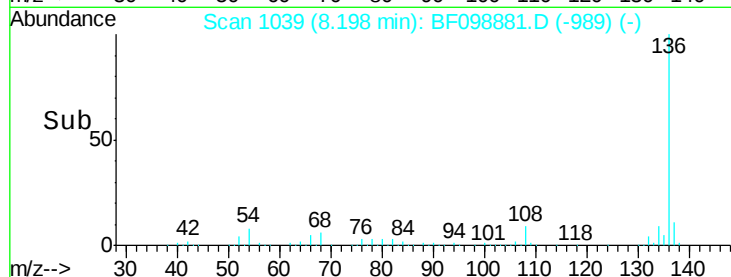
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	566386
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	7.7	6.6 9.8
68	5.7	5.0 7.4

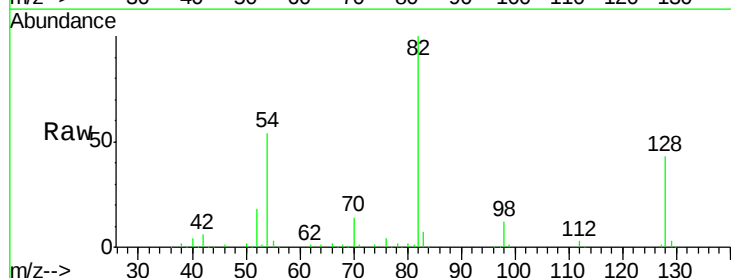


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

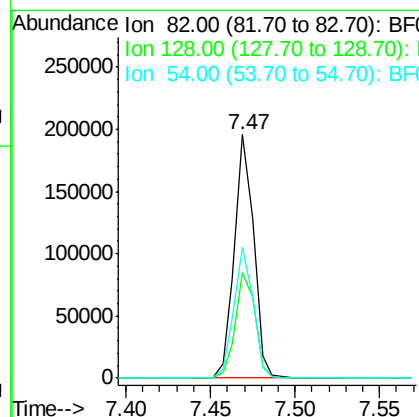
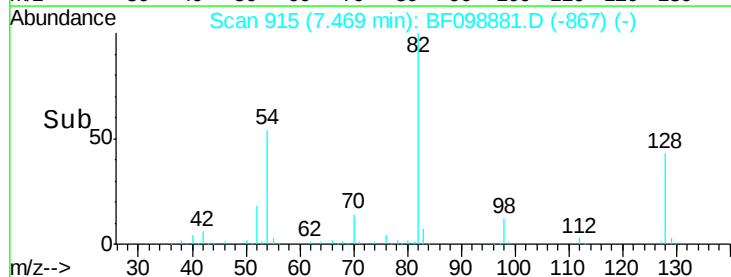


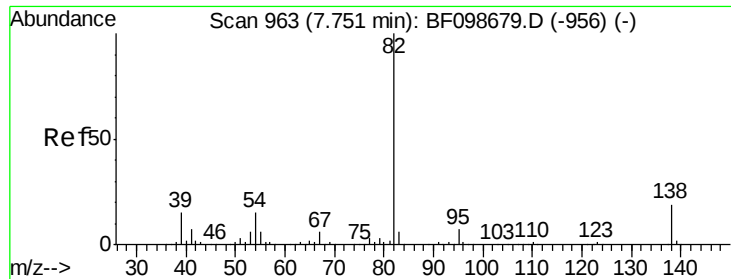
#23
Nitrobenzene-d5
Concen: 17.61 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

Tgt Ion: 82	Resp:	155554
Ion	Ratio	Lower Upper
82	100	
128	43.2	36.1 54.1
54	53.6	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

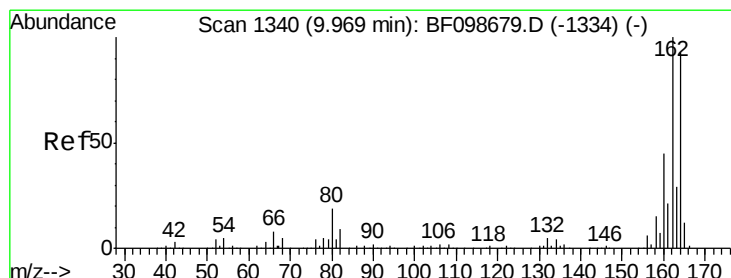
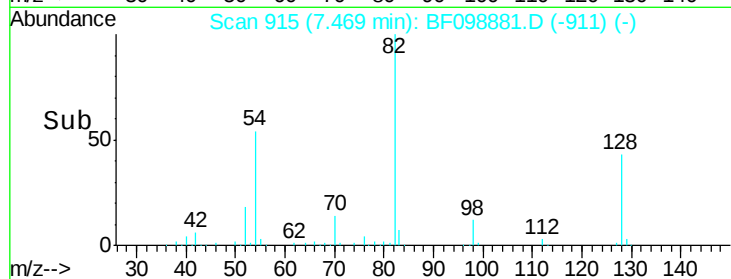
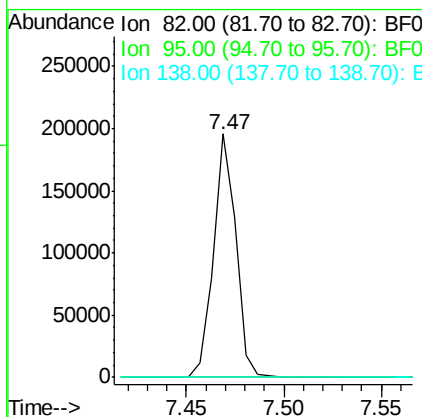
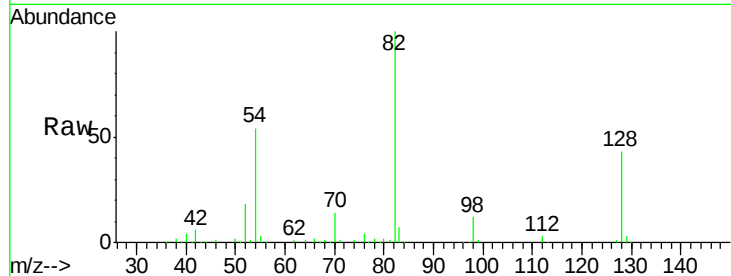




#25
Isophorone
Concen: 8.50 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.28 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

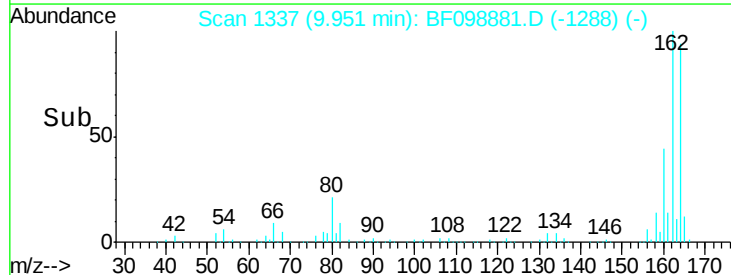
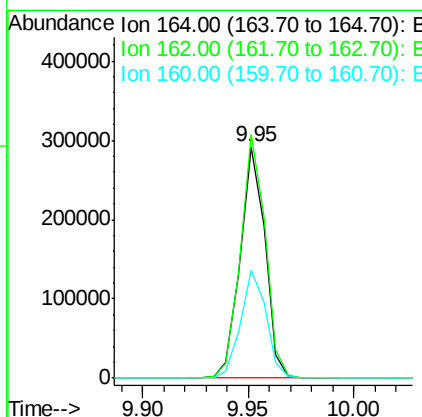
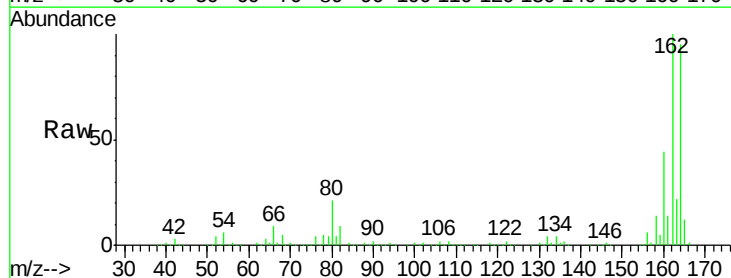
Instrument :
BNA_F
ClientSampleId :

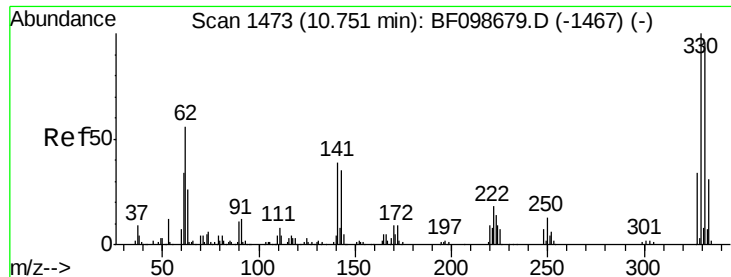
Tot Ion: 82 Resp: 155291
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

Tgt Ion:164 Resp: 235866
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 46.8 38.3 57.5

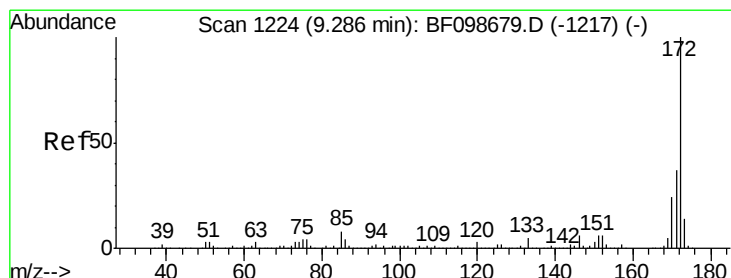
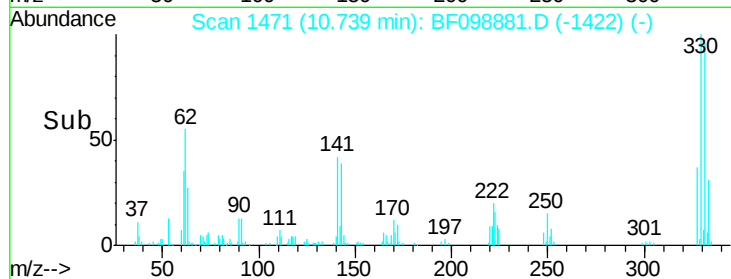
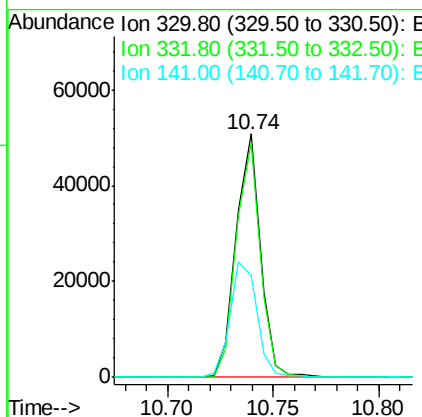
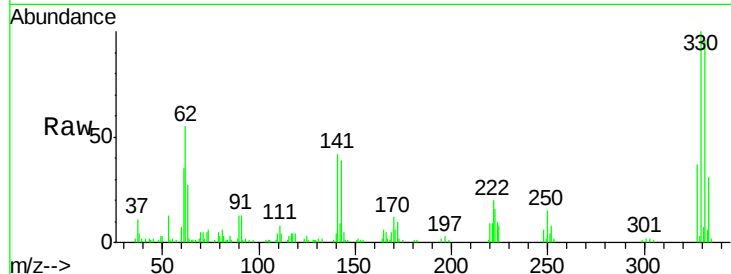




#41
 2,4,6-Tribromophenol
 Concen: 21.01 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098881.D
 Acq: 27 Sep 2017 23:52

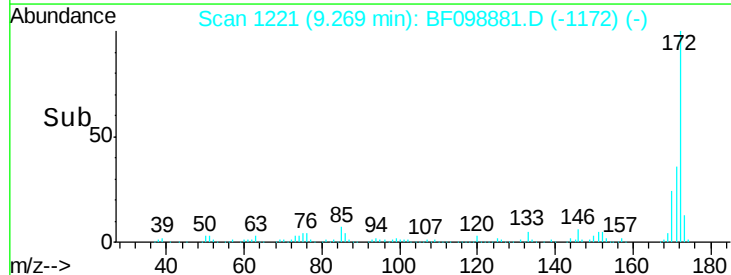
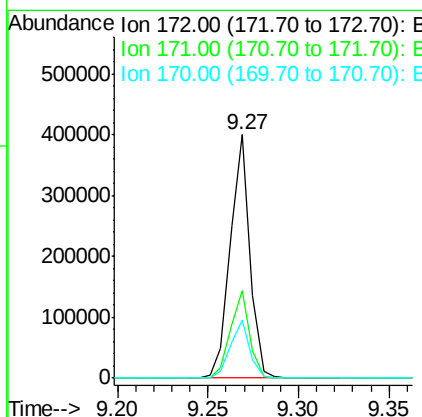
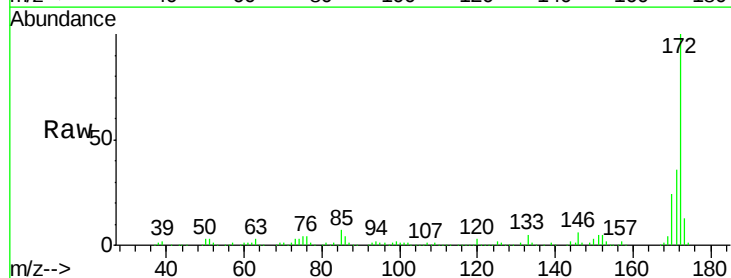
Instrument :
 BNA_F
 ClientSampleId :

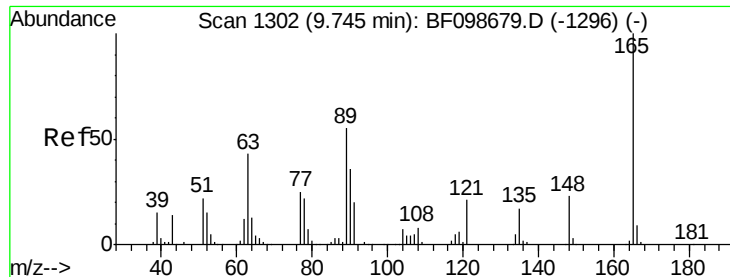
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	52.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 21.43 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098881.D
 Acq: 27 Sep 2017 23:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	19.6	29.4

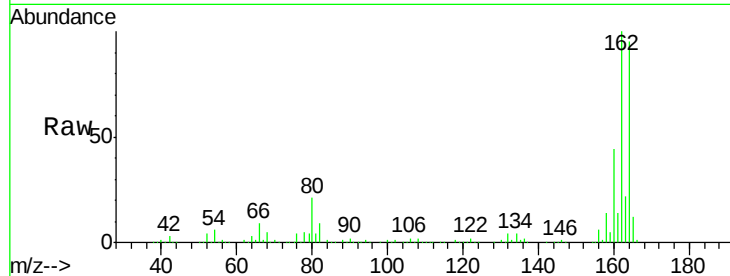




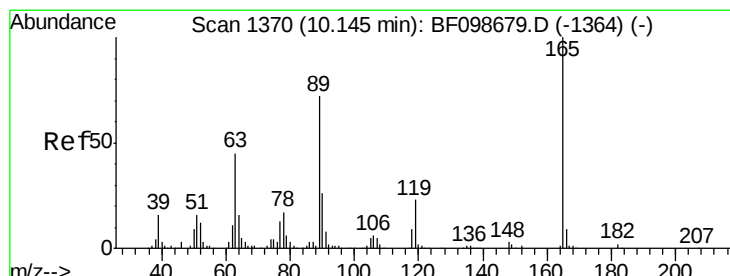
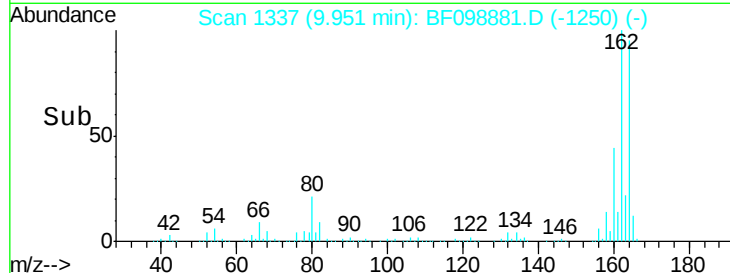
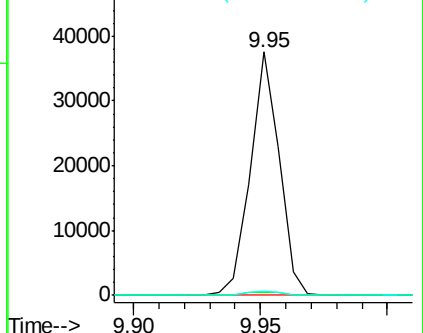
#50
 2,6-Dinitrotoluene
 Concen: 7.70 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098881.D
 Acq: 27 Sep 2017 23:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.8	44.0	66.0#

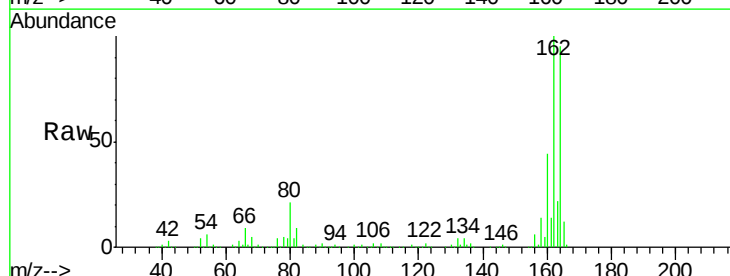


Abundance Ion 165.00 (164.70 to 165.70): E

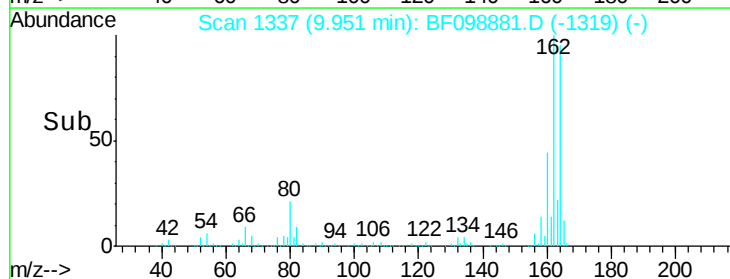
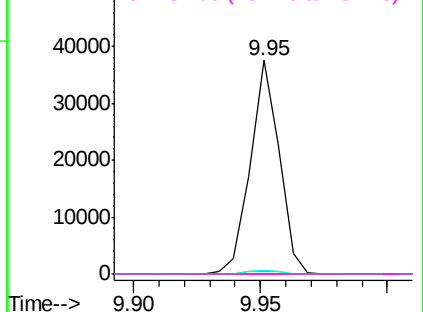


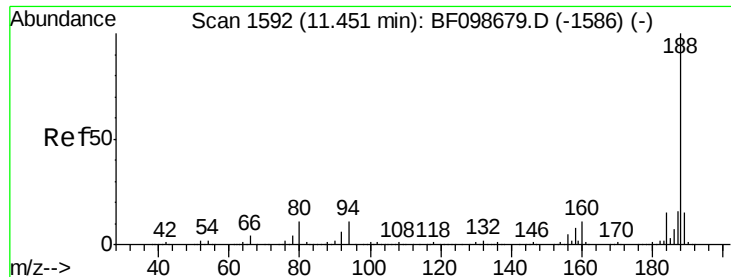
#56
 2,4-Dinitrotoluene
 Concen: 5.93 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098881.D
 Acq: 27 Sep 2017 23:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098881.D

Acq: 27 Sep 2017 23:52

Instrument :

BNA_F

ClientSampleId :

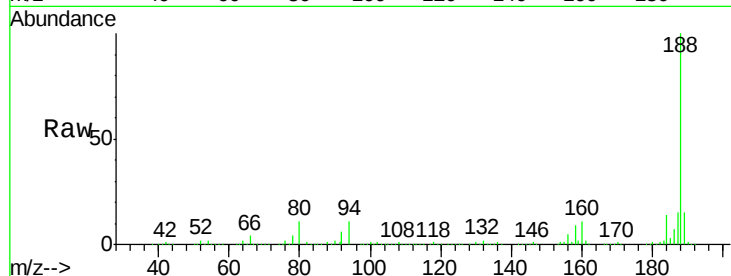
Tot Ion:188 Resp: 379816

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

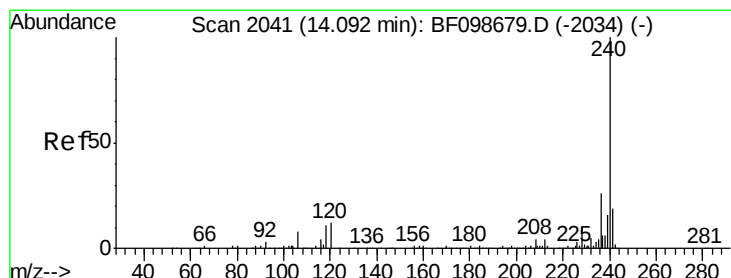
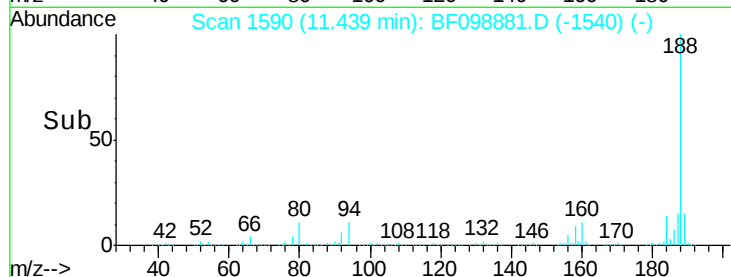
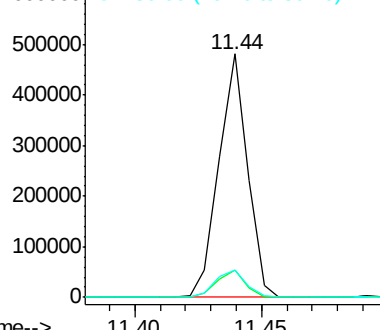
80 11.4 9.2 13.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098881.D

Acq: 27 Sep 2017 23:52

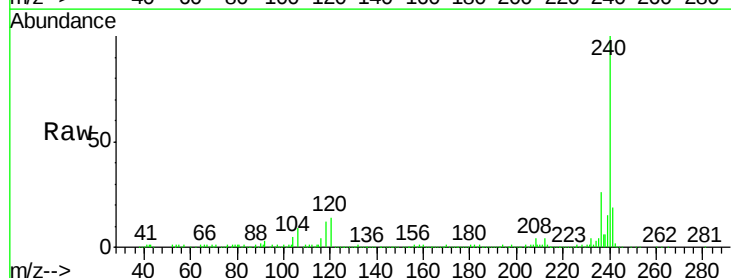
Tgt Ion:240 Resp: 302862

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

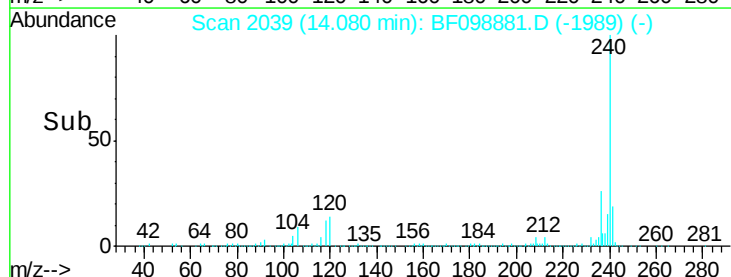
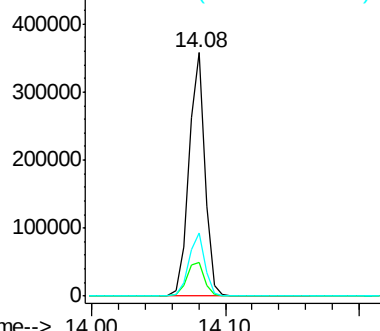
236 25.8 20.7 31.1

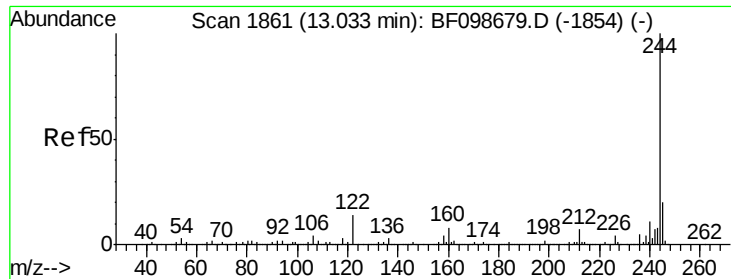


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

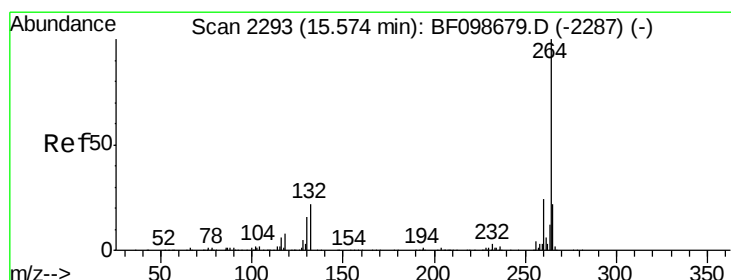
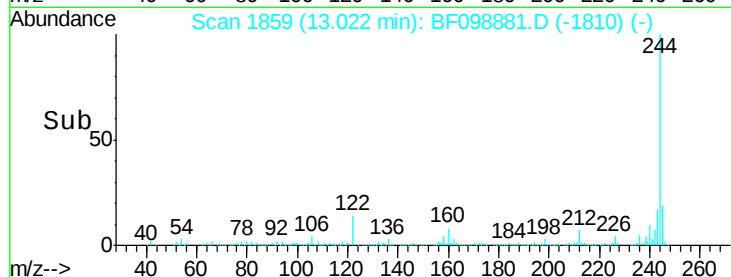
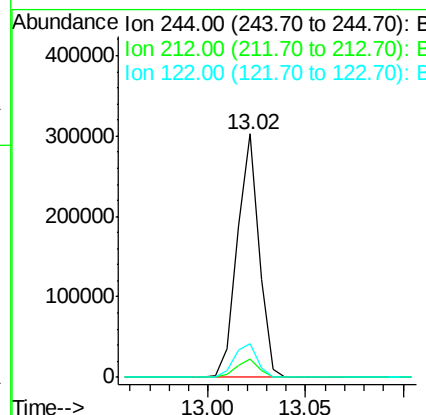
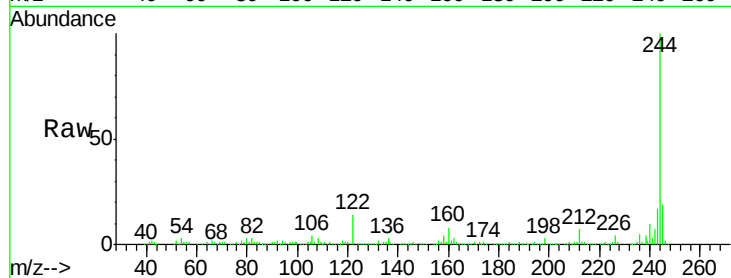




#78
 Terphenyl-d14
 Concen: 17.52 ng
 RT: 13.02 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: BF098881.D
 Acq: 27 Sep 2017 23:52

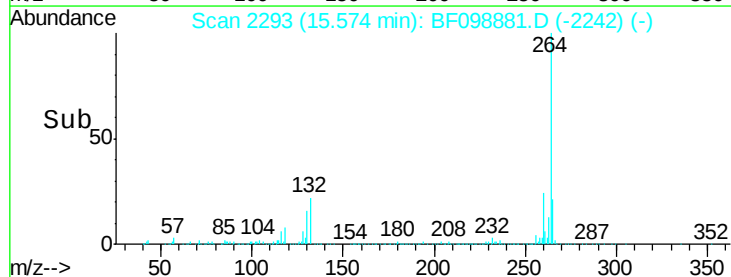
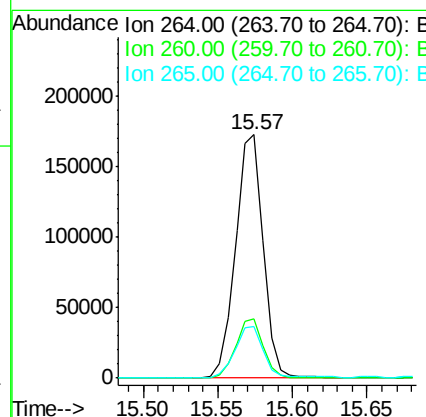
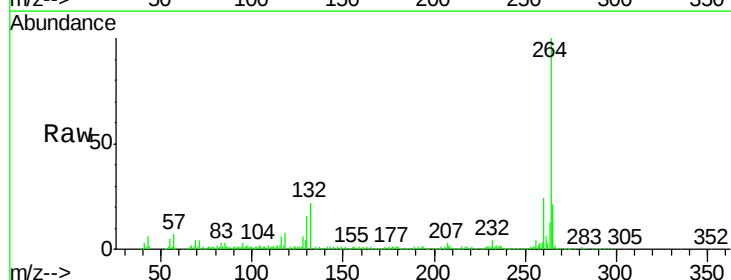
Instrument :
 BNA_F
 ClientSampleId :

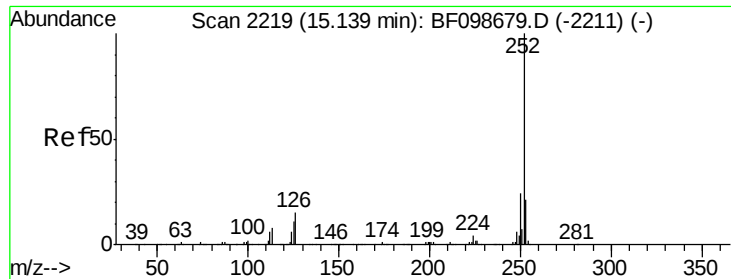
Tot Ion:244 Resp: 233369
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.0
 122 13.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF098881.D
 Acq: 27 Sep 2017 23:52

Tgt Ion:264 Resp: 225117
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.0 17.5 26.3

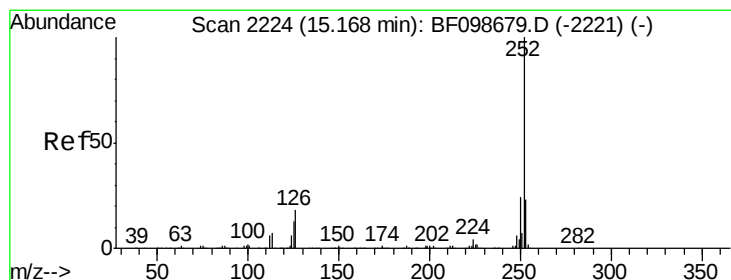
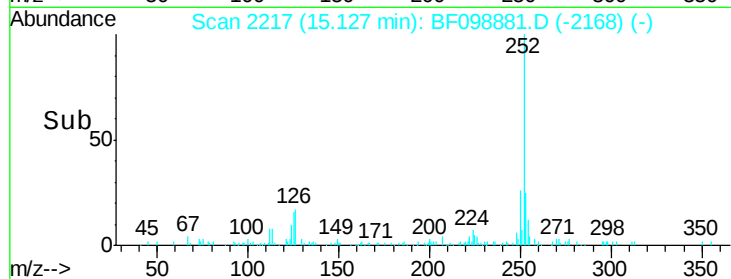
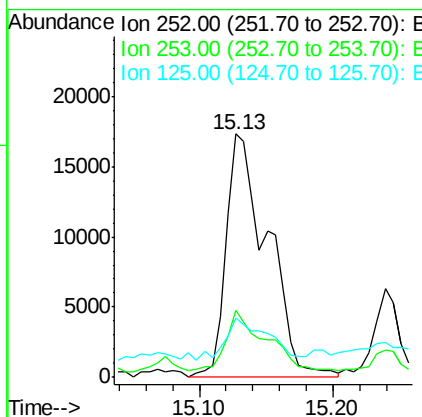
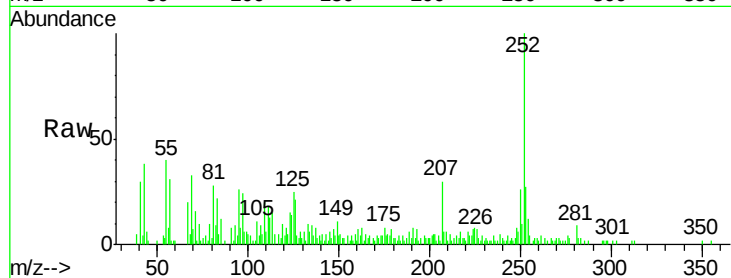




#87
Benzo(b)fluoranthene
Concen: 2.71 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.0	25.6#
125	24.6	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 2.75 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098881.D
Acq: 27 Sep 2017 23:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.9	26.9#
125	24.6	10.2	15.2#

