

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096272.D
 Acq On : 29 Jun 2017 2:45
 Operator : SJ/MA
 Sample : I3874-06 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 05:40:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

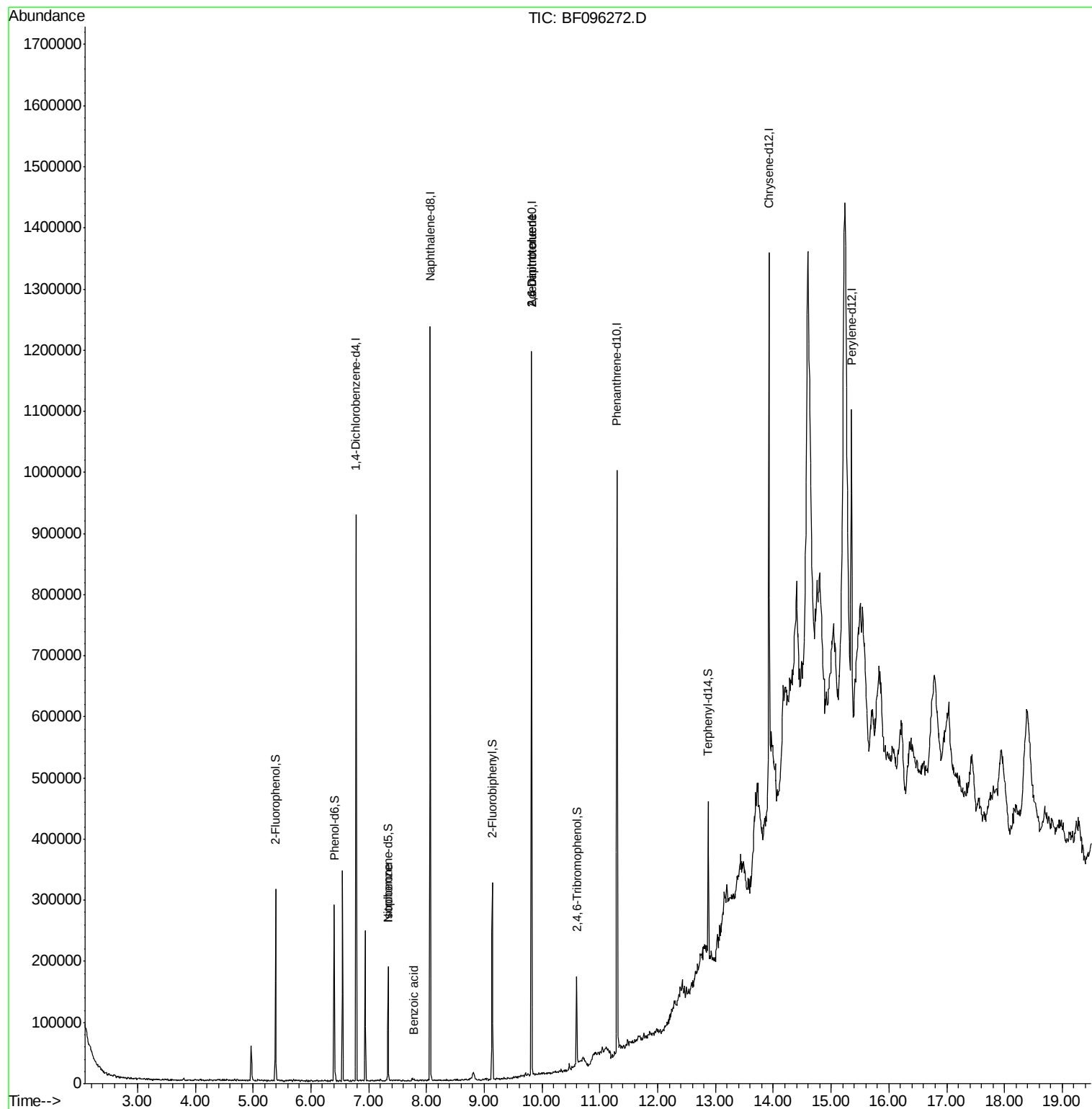
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	128392	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	514320	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	204819	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	341329	20.00	ng	0.01
75) Chrysene-d12	13.93	240	302769	20.00	ng	0.01
86) Perylene-d12	15.35	264	219931	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	74756	8.39	ng	0.00
7) Phenol-d6	6.40	99	85711	7.94	ng	0.01
23) Nitrobenzene-d5	7.33	82	44041	5.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	16879	10.47	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	87824	7.85	ng	-0.01
78) Terphenyl-d14	12.87	244	63361	5.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.55	77	1424	Below Cal	#	80
25) Isophorone	7.33	82	44039	2.61	ng	# 67
32) Benzoic acid	7.79	122	303	8.83	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	25625	8.40	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	25625	6.67	ng	# 33
57) Fluorene	10.60	166	976	Below Cal	#	80
70) Phenanthrene	11.32	178	283	Below Cal	#	59

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

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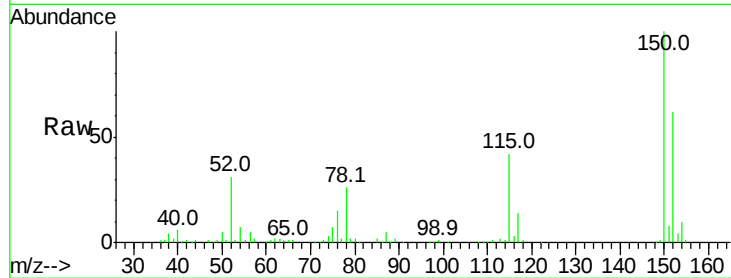


#1

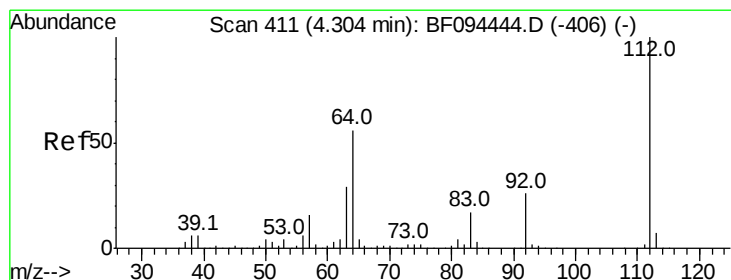
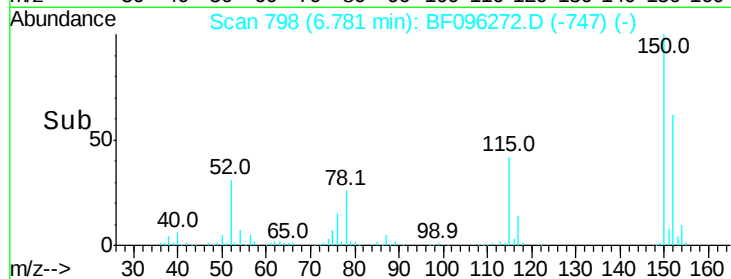
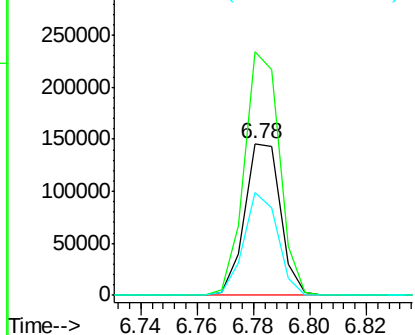
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128392
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 67.5 52.2 78.2



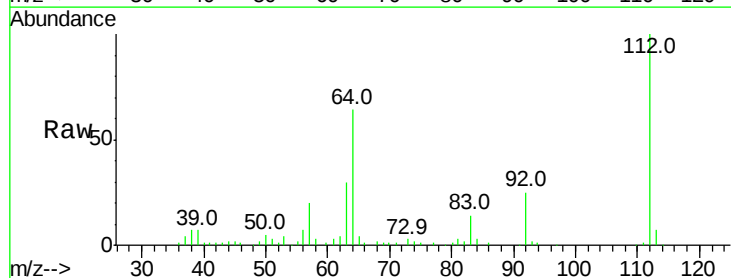
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



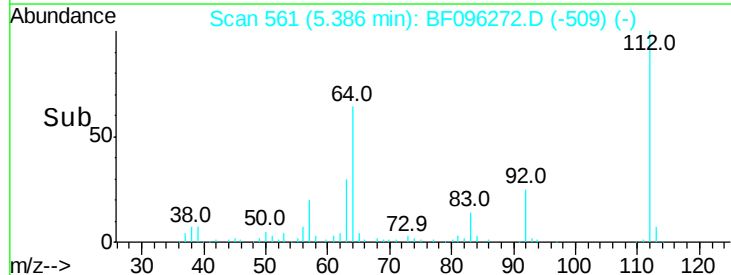
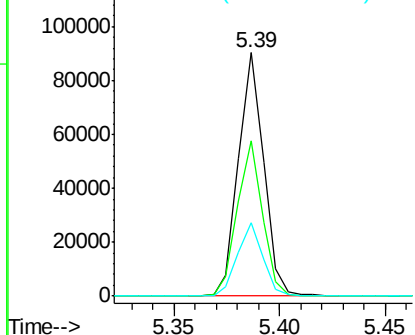
#5

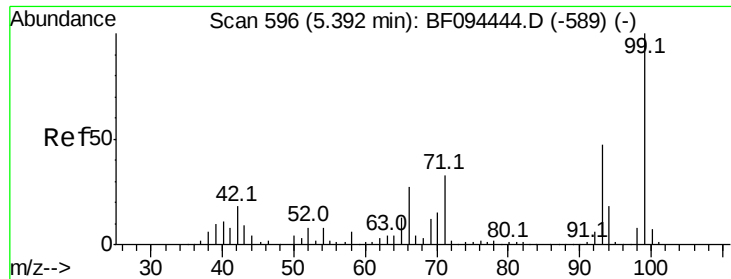
2-Fluorophenol
Concen: 8.39 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

Tgt Ion:112 Resp: 74756
Ion Ratio Lower Upper
112 100
64 63.6 46.0 69.0
63 30.1 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: 7.94 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096272.D

Acq: 29 Jun 2017 2:45

Instrument :

BNA_F

ClientSampled :

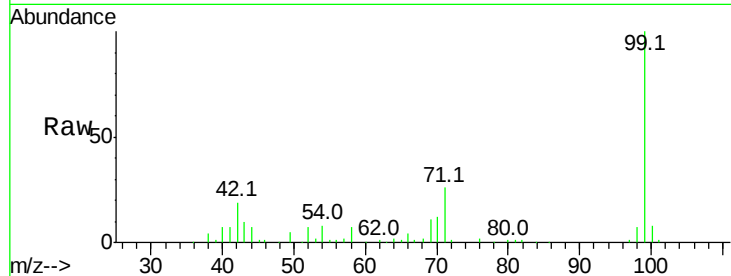
Tot Ion: 99 Resp: 85711

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

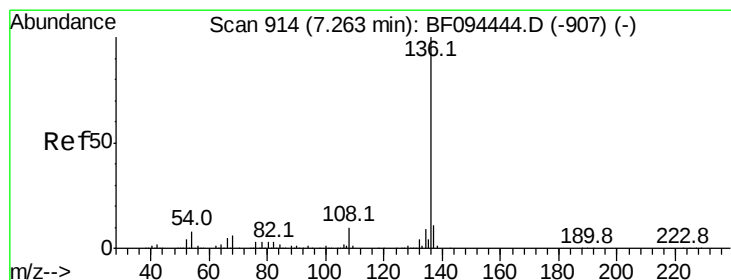
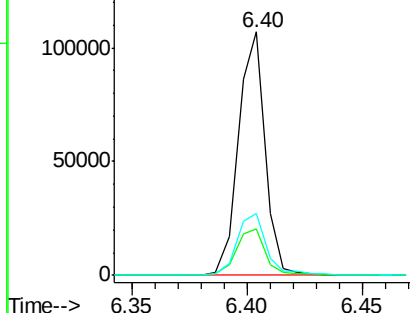
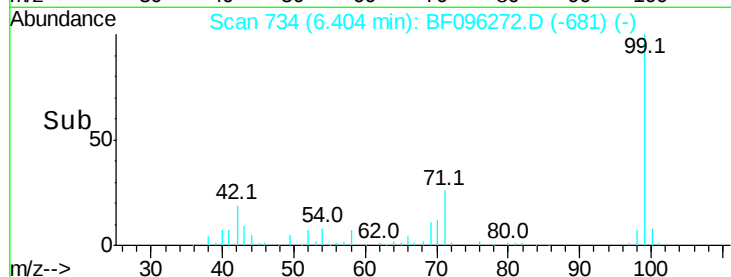
71 25.7 24.5 36.7



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: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096272.D

Acq: 29 Jun 2017 2:45

Tgt Ion: 136 Resp: 514320

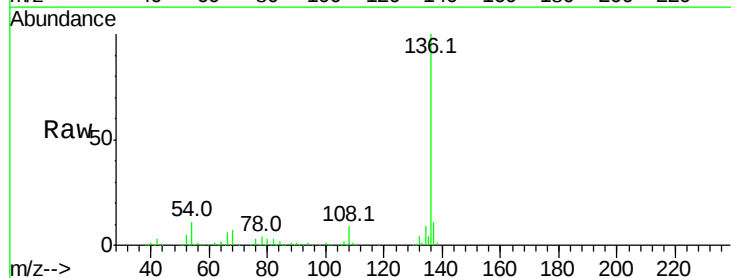
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 11.4 4.9 7.3#

68 7.1 4.1 6.1#

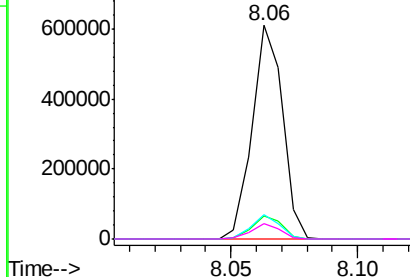
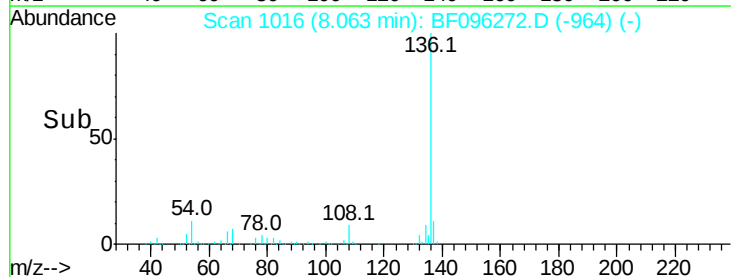


Abundance Ion 136.00 (135.70 to 136.70): E

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

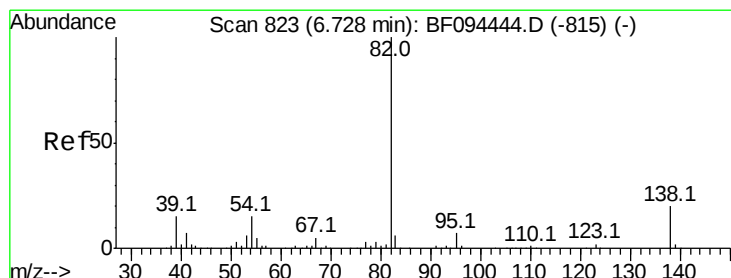
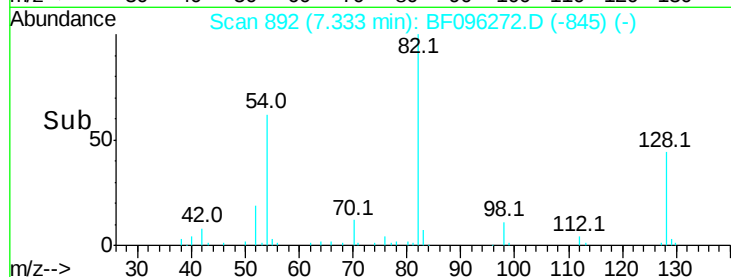
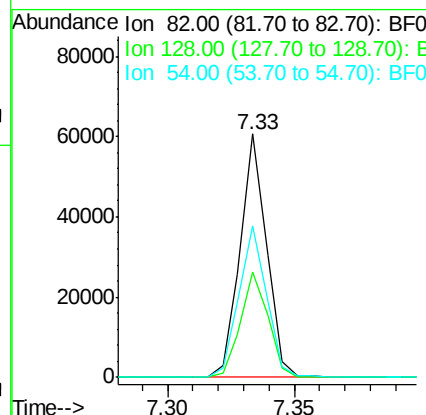
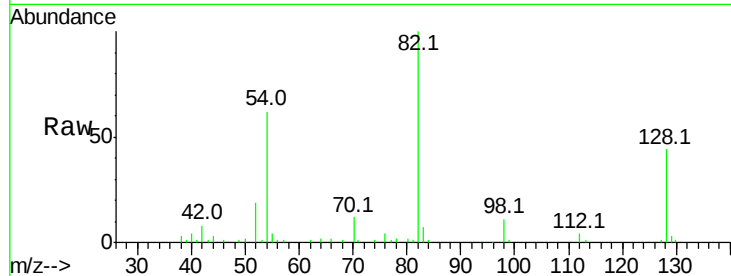




#23
Nitrobenzene-d5
Concen: 5.93 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

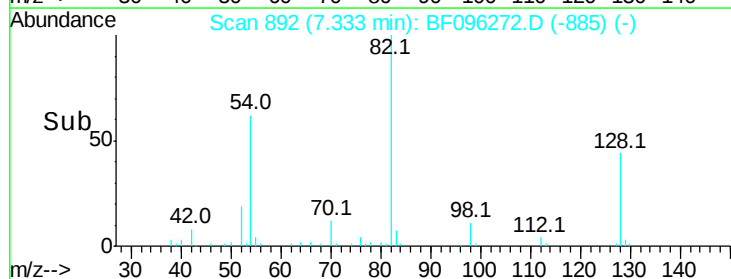
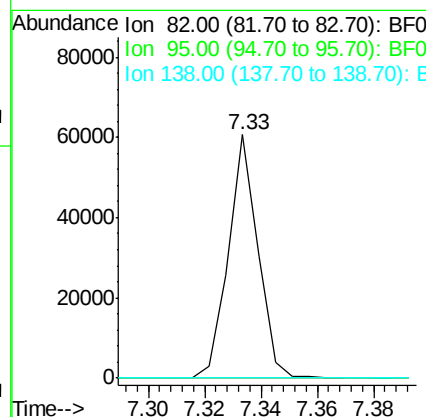
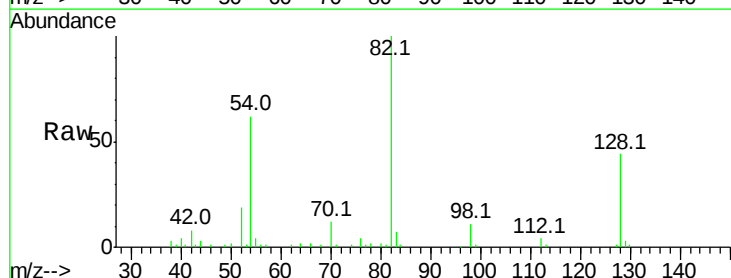
Instrument :
BNA_F
ClientSampleId :

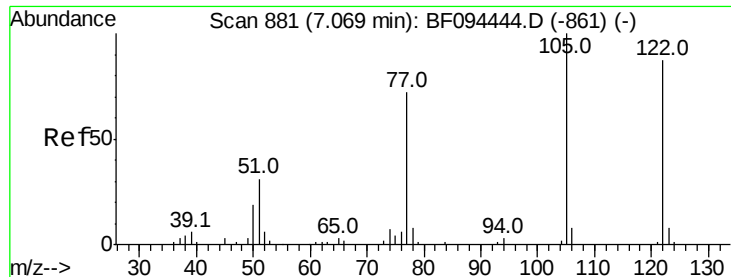
Tot Ion	82	Resp	44041
Ion Ratio	Lower	Upper	
82	100		
128	43.5	34.0	51.0
54	62.4	42.2	63.2



#25
Isophorone
Concen: 2.61 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.26 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

Tgt Ion	82	Resp	44039
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

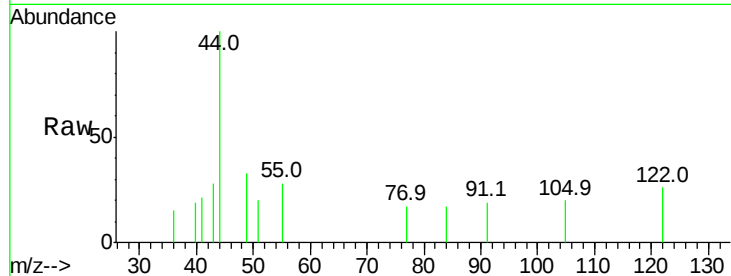




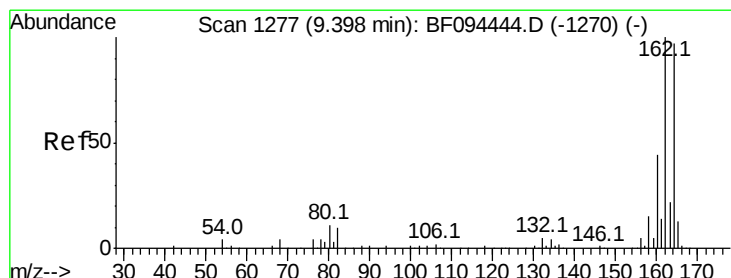
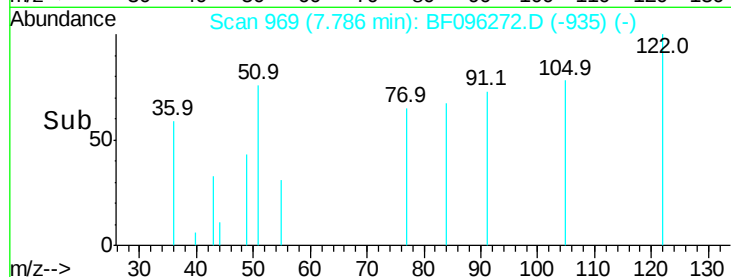
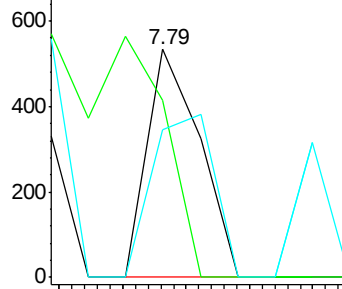
#32
Benzoic acid
Concen: 8.83 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.10 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	77.9	103.3	143.3
77	64.6	73.7	113.7

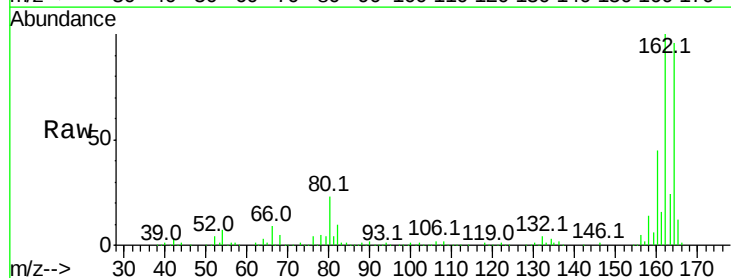


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

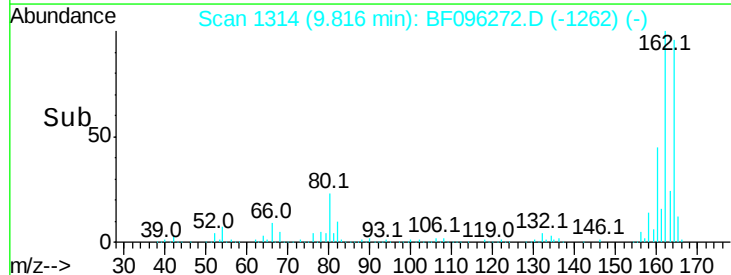
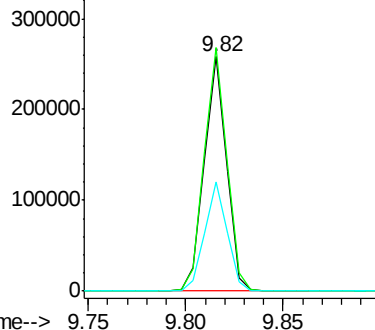


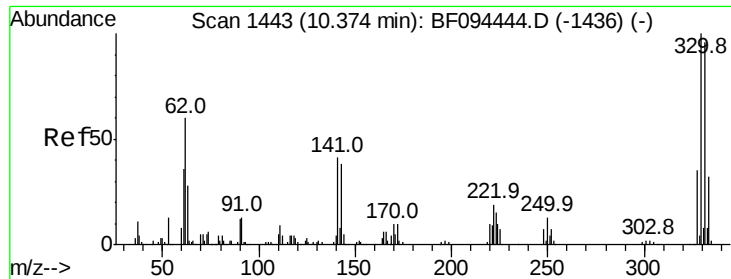
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	46.5	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

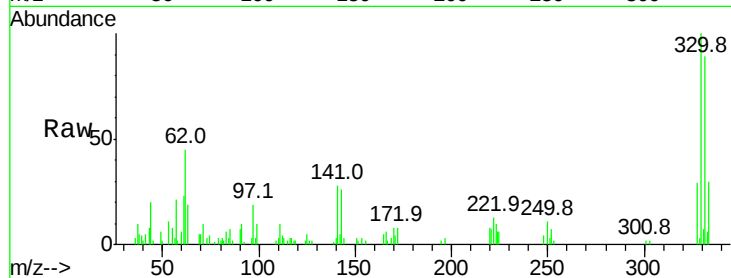




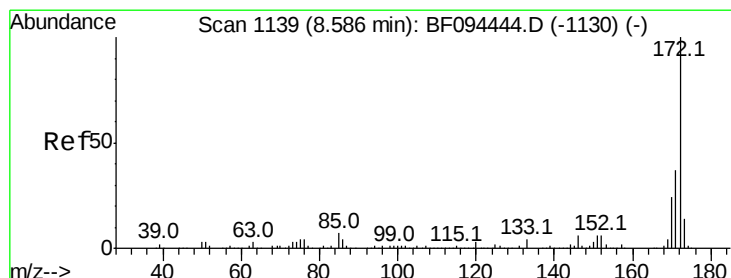
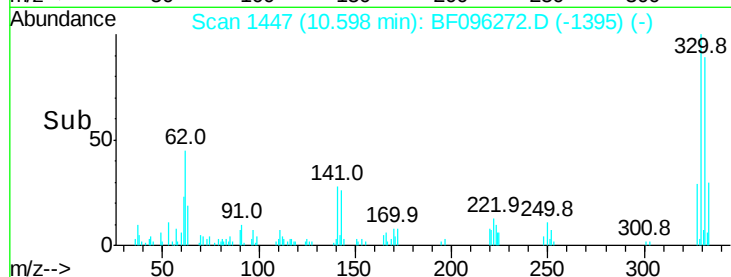
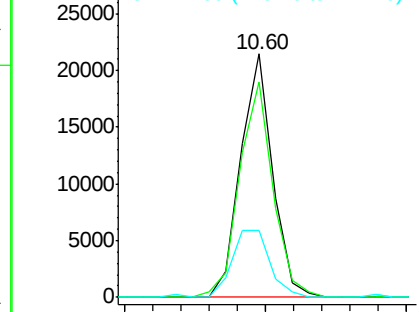
#41
 2,4,6-Tribromophenol
 Concen: 10.47 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096272.D
 Acq: 29 Jun 2017 2:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 16879
 Ion Ratio Lower Upper
 330 100
 332 92.7 76.6 115.0
 141 33.3 31.4 47.2

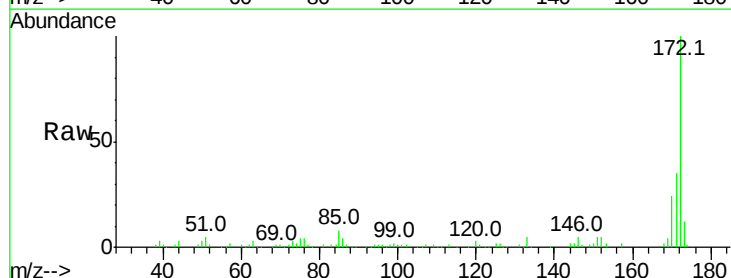


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

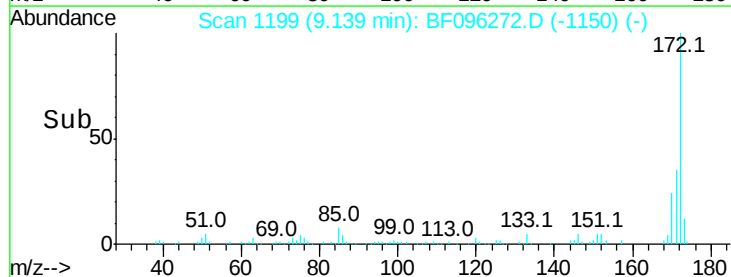
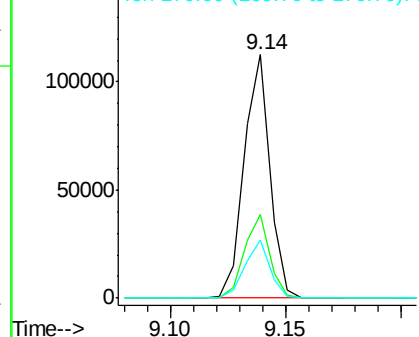


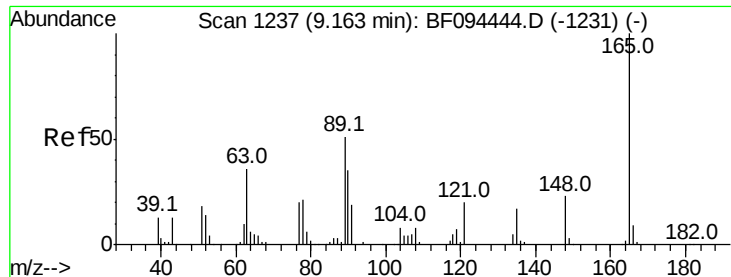
#44
 2-Fluorobiphenyl
 Concen: 7.85 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096272.D
 Acq: 29 Jun 2017 2:45

Tgt Ion:172 Resp: 87824
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.6 44.4
 170 23.7 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

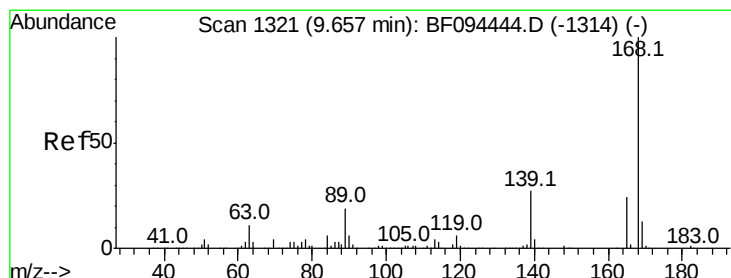
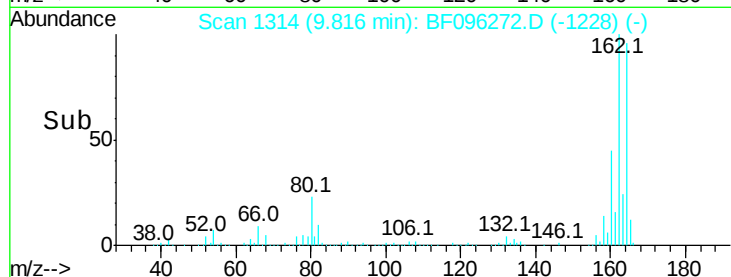
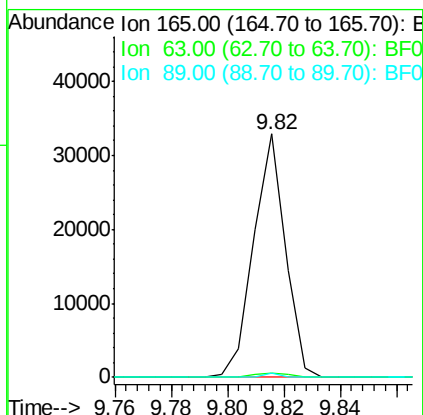
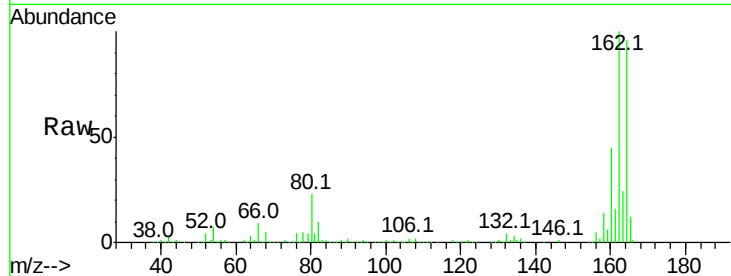




#50
 2,6-Dinitrotoluene
 Concen: 8.40 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF096272.D
 Acq: 29 Jun 2017 2:45

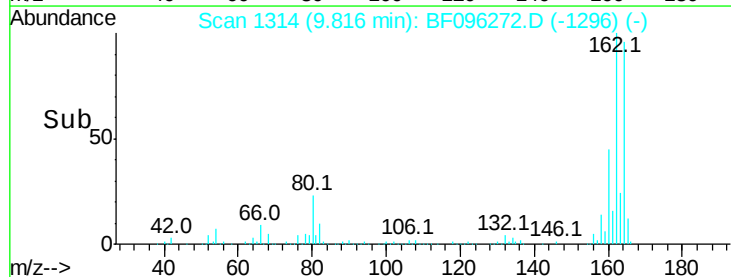
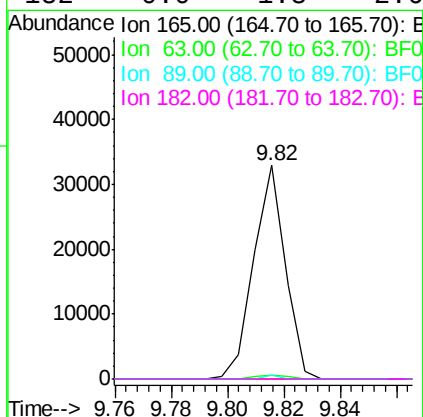
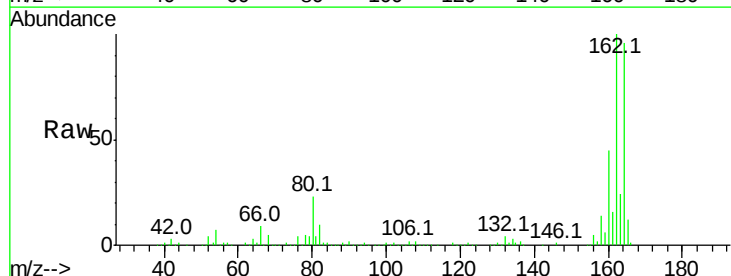
Instrument :
 BNA_F
 ClientSampleId :

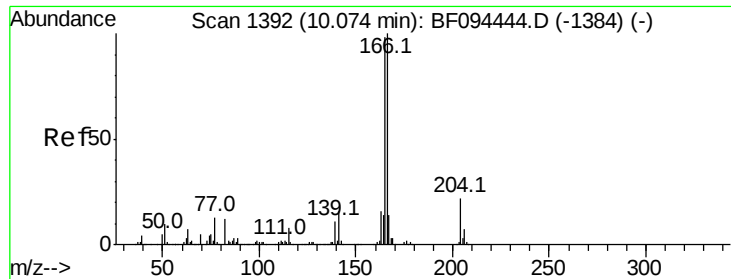
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.6	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.67 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF096272.D
 Acq: 29 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#





#57

Fluorene

Concen: Below Cal

RT: 10.60 min Scan# 1447

Delta R.T. 0.23 min

Lab File: BF096272.D

Acq: 29 Jun 2017 2:45

Instrument :

BNA_F

ClientSampleId :

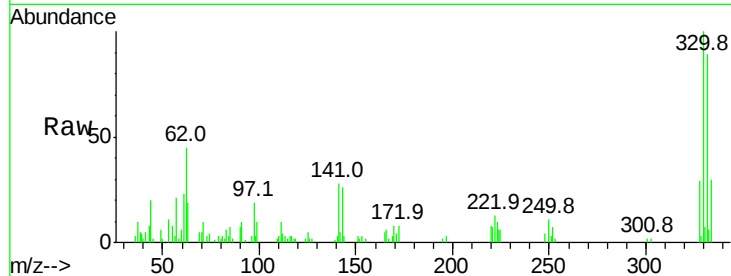
Tot Ion:166 Resp: 976

Ion Ratio Lower Upper

166 100

165 83.5 78.8 118.2

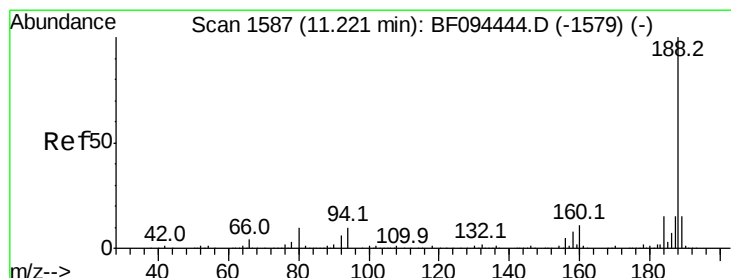
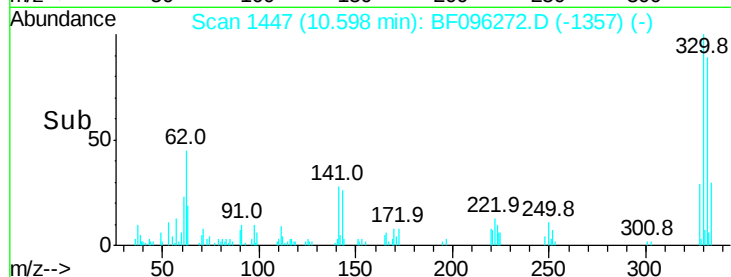
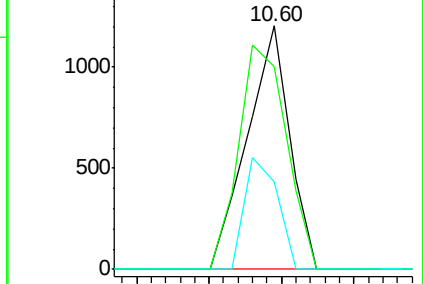
167 35.9 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF096272.D

Acq: 29 Jun 2017 2:45

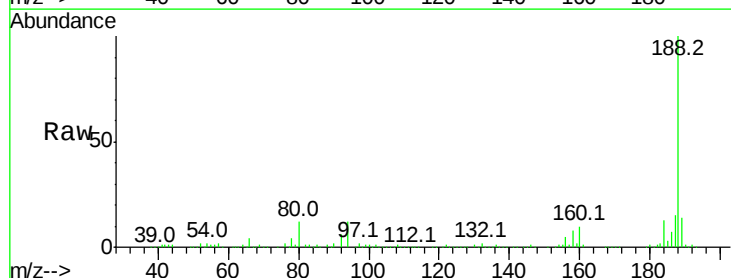
Tgt Ion:188 Resp: 341329

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

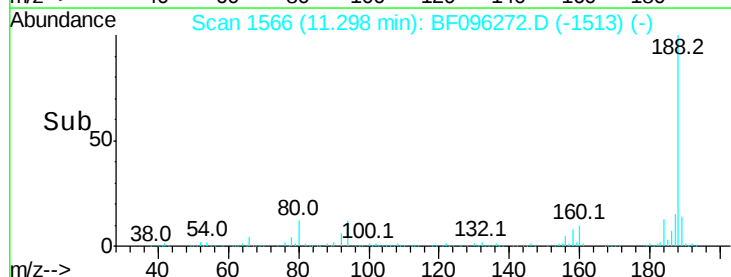
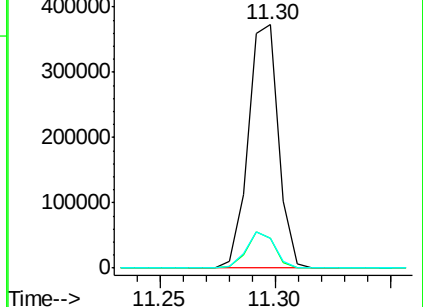
80 12.1 10.2 15.2

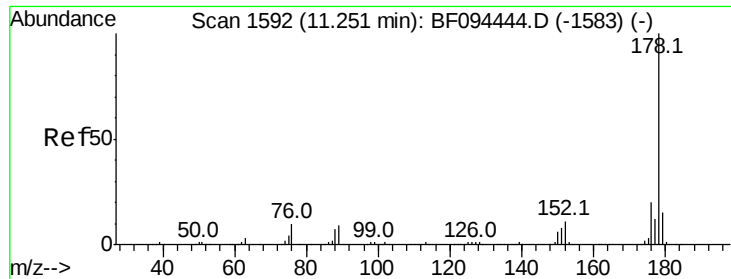


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

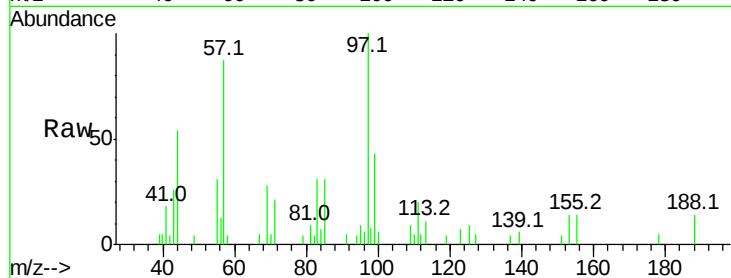




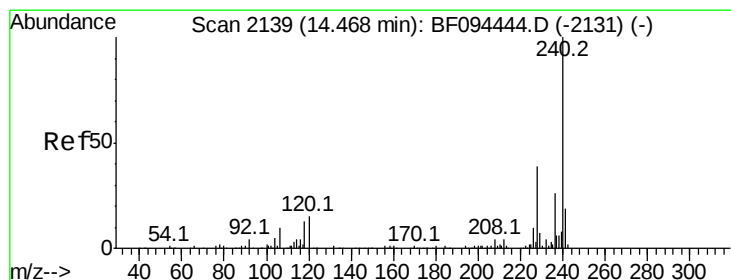
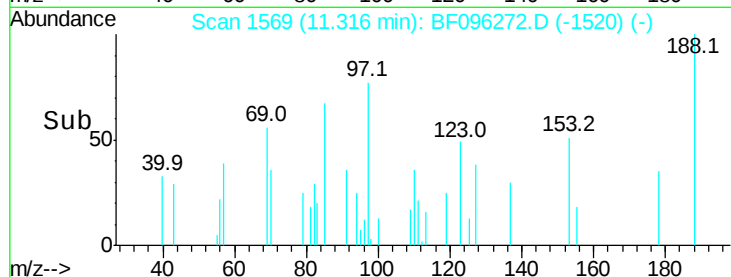
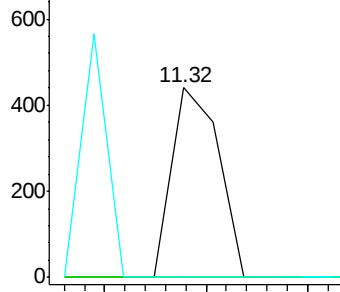
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 283
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 0.0 12.6 19.0#

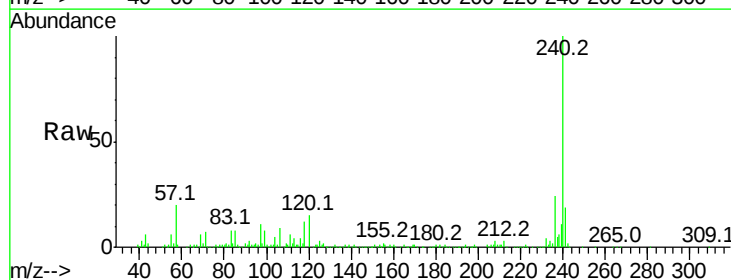


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

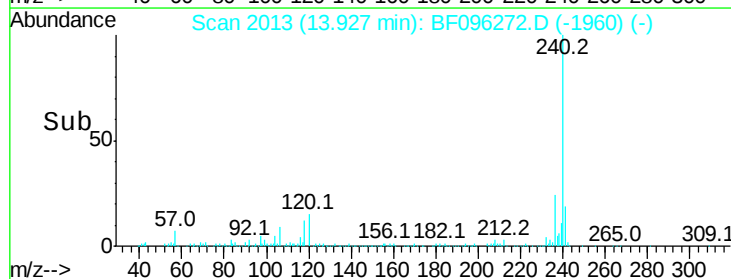
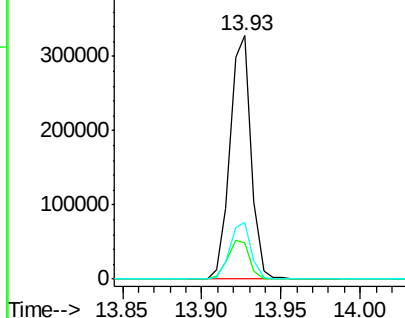


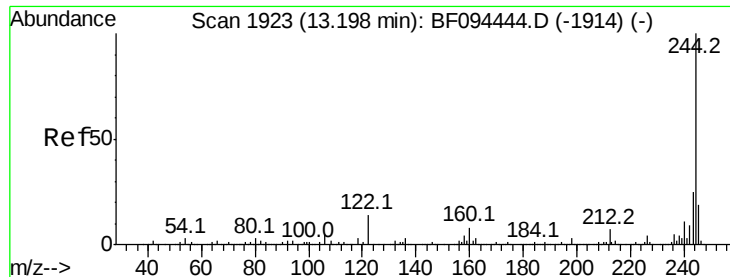
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF096272.D
Acq: 29 Jun 2017 2:45

Tgt Ion:240 Resp: 302769
Ion Ratio Lower Upper
240 100
120 15.1 5.8 8.8#
236 23.5 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





#78

Terphenyl-d14

Concen: 5.22 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096272.D

Acq: 29 Jun 2017 2:45

Instrument :

BNA_F

ClientSampleId :

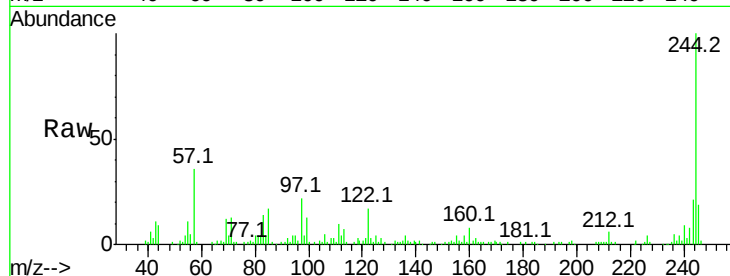
Tot Ion:244 Resp: 63361

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

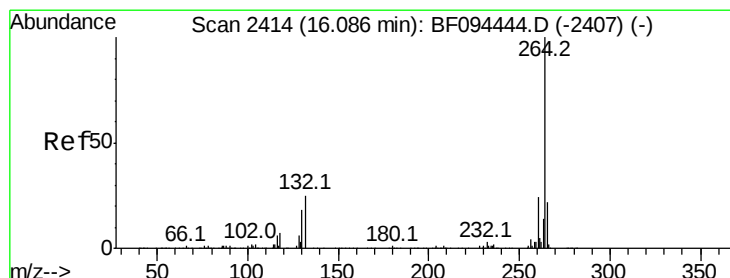
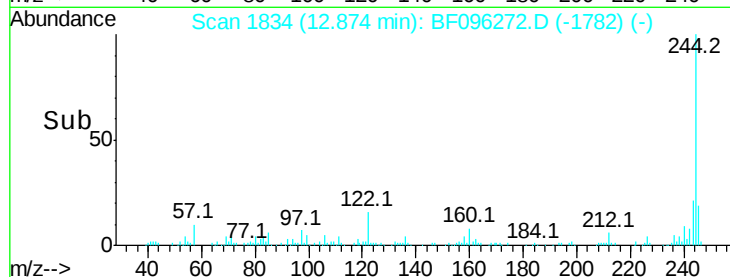
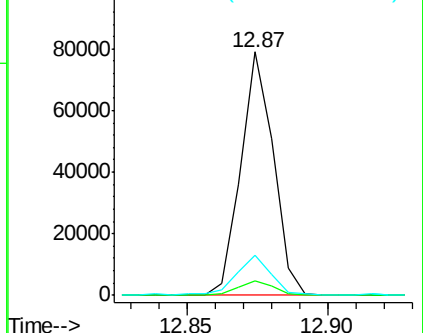
122 16.5 10.3 15.5#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.01 min

Lab File: BF096272.D

Acq: 29 Jun 2017 2:45

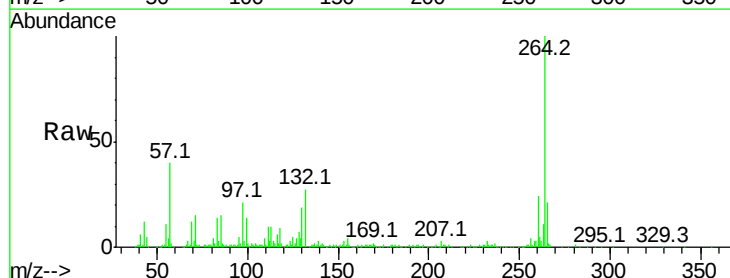
Tgt Ion:264 Resp: 219931

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.4 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

