

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096237.D
 Acq On : 28 Jun 2017 00:57
 Operator : SJ/MA
 Sample : I3852-08RE 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 28 04:11:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

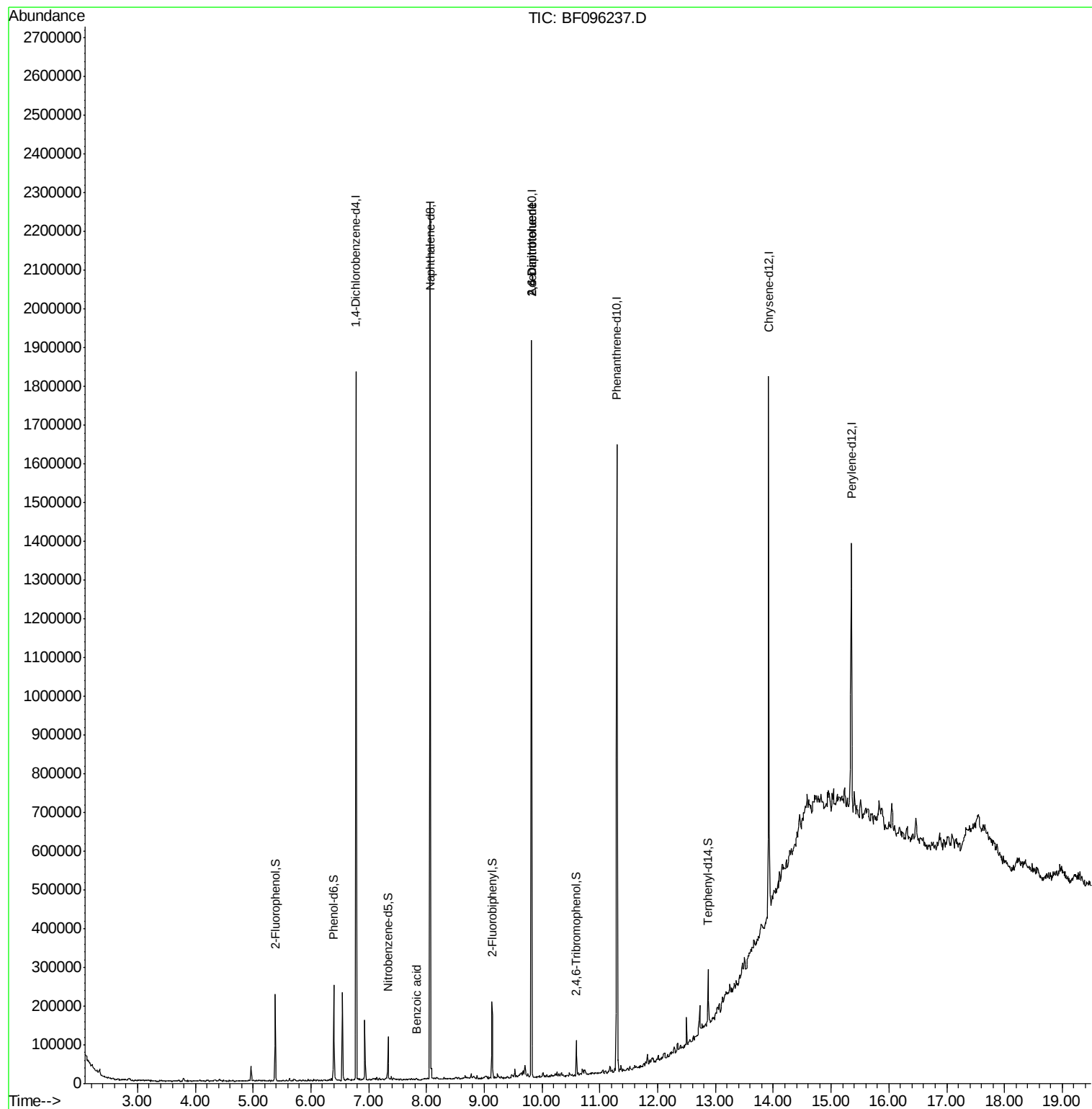
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	250426	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	944495	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	342648	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	535653	20.00	ng	0.00
75) Chrysene-d12	13.92	240	437757	20.00	ng	0.00
86) Perylene-d12	15.35	264	302234	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	54003	3.11	ng	0.00
7) Phenol-d6	6.40	99	67978	3.23	ng	0.00
23) Nitrobenzene-d5	7.33	82	27785	2.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	7135	2.65	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	54564	2.92	ng	-0.02
78) Terphenyl-d14	12.87	244	35199	2.01	ng	0.00
Target Compounds						
9) Benzaldehyde	6.40	77	230	Below Cal	#	1
32) Benzoic acid	7.83	122	167	8.80	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	44384	8.70	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	44384	6.90	ng	# 33
70) Phenanthrene	11.32	178	9956	Below Cal		96

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

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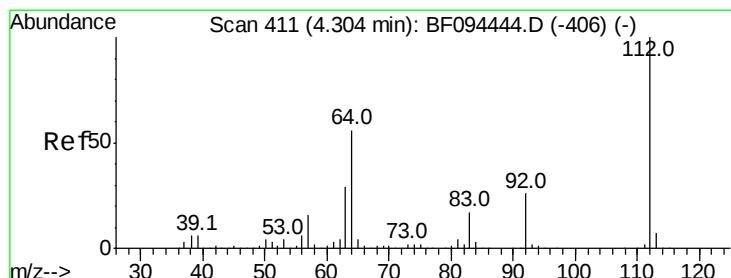
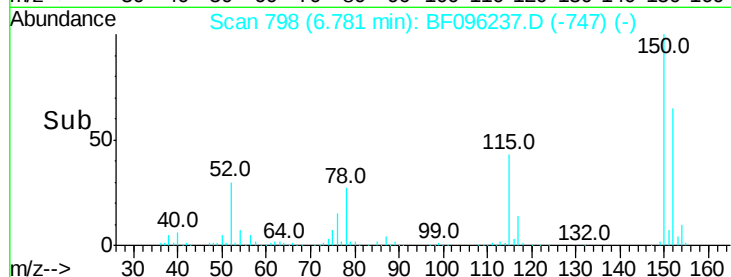
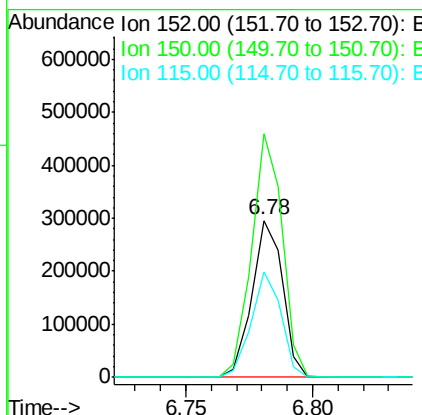
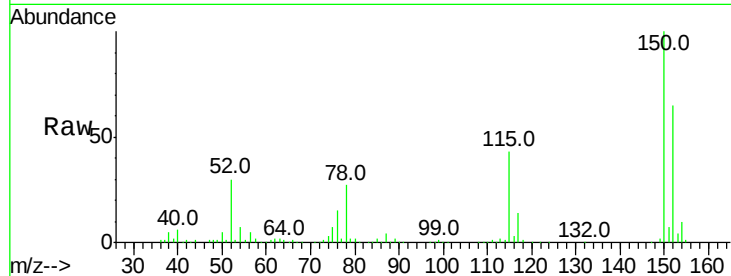


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096237.D
Acq: 28 Jun 2017 00:57

Instrument :
BNA_F
ClientSampleId :

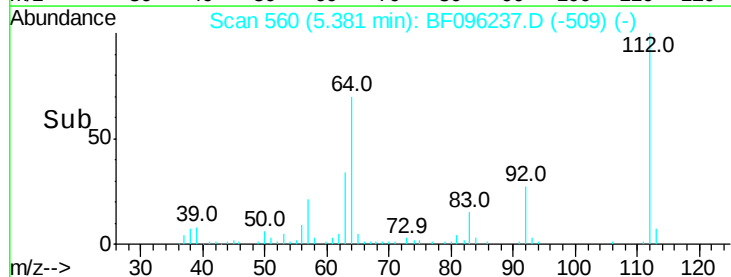
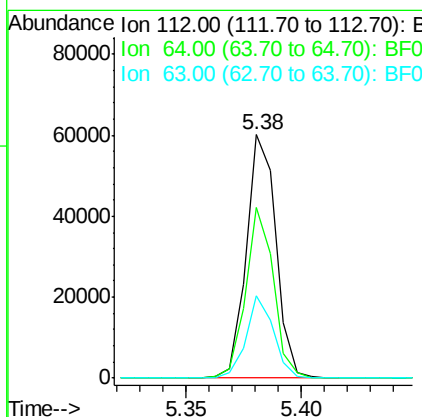
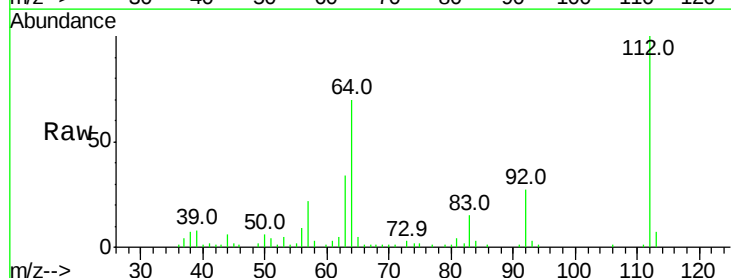
Tot Ion:152 Resp: 250426
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 67.0 52.2 78.2

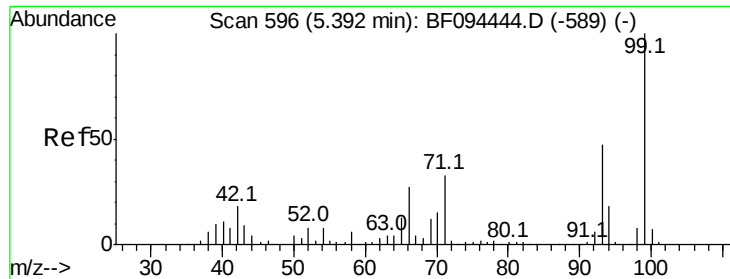


#5

2-Fluorophenol
Concen: 3.11 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096237.D
Acq: 28 Jun 2017 00:57

Tgt Ion:112 Resp: 54003
Ion Ratio Lower Upper
112 100
64 70.2 46.0 69.0#
63 34.0 23.4 35.0





#7

Phenol-d6

Concen: 3.23 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096237.D

Acq: 28 Jun 2017 00:57

Instrument :

BNA_F

ClientSampleId :

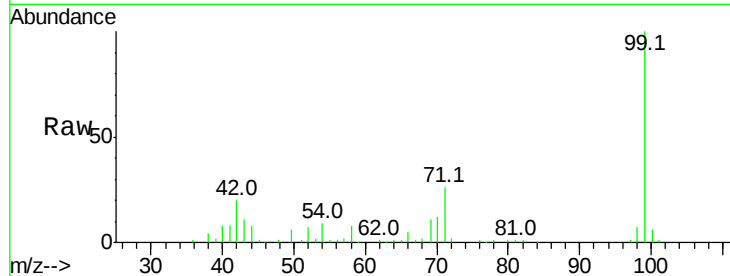
Tot Ion: 99 Resp: 67978

Ion Ratio Lower Upper

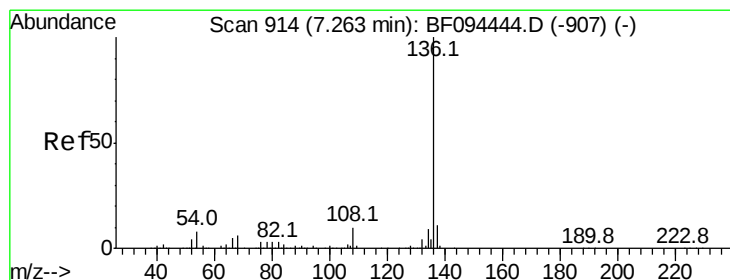
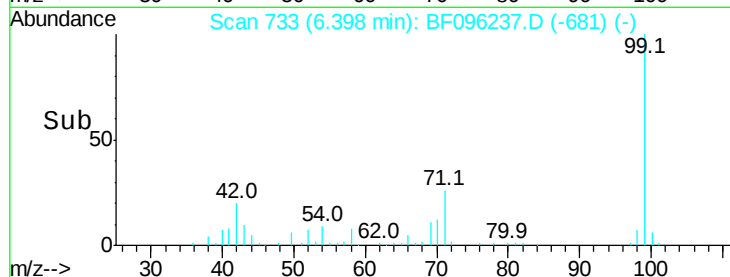
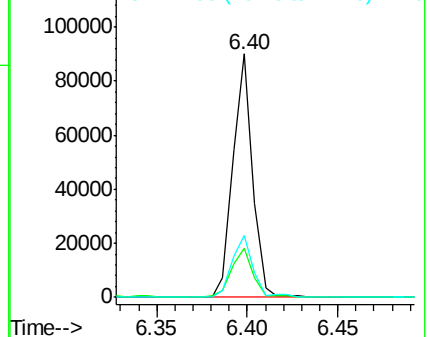
99 100

42 20.0 13.5 20.3

71 25.6 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: BF096237.D

Acq: 28 Jun 2017 00:57

Tgt Ion: 136 Resp: 944495

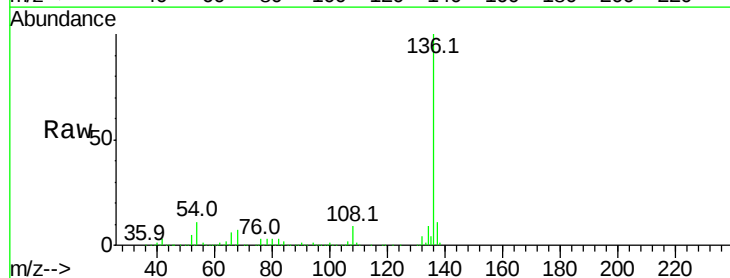
Ion Ratio Lower Upper

136 100

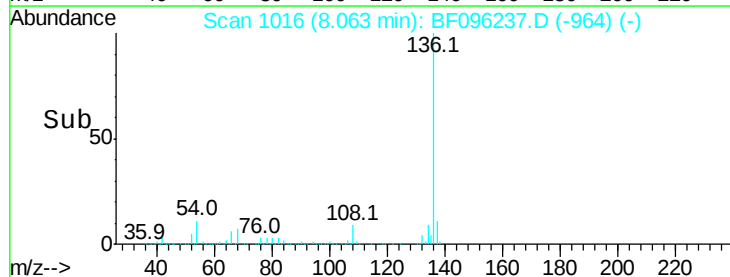
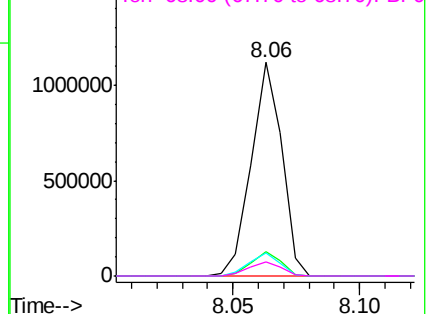
137 11.2 8.5 12.7

54 11.0 4.9 7.3#

68 6.7 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

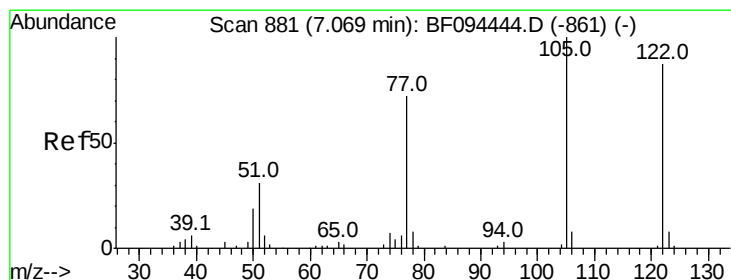
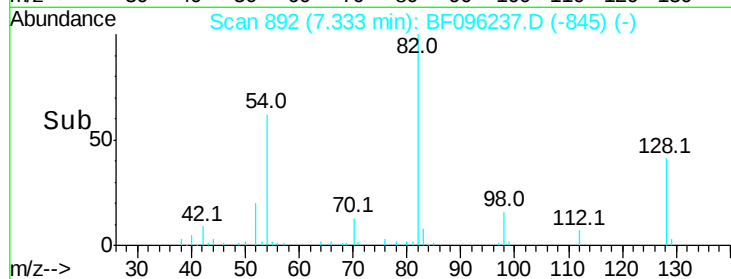
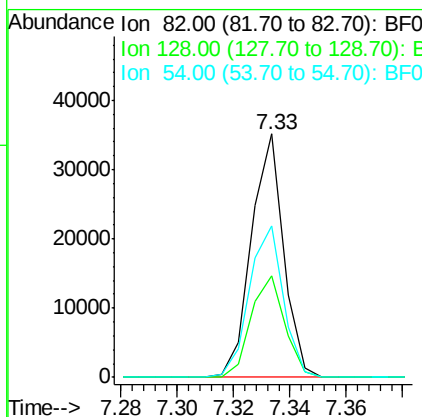
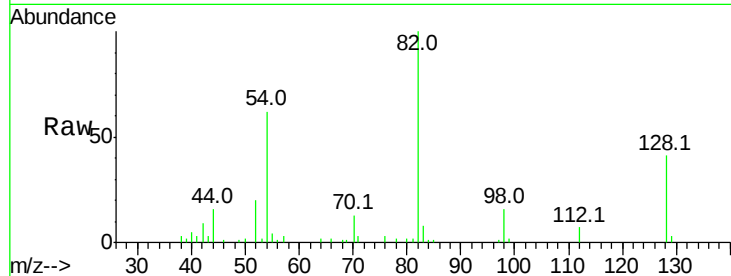




#23
 Nitrobenzene-d5
 Concen: 2.04 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

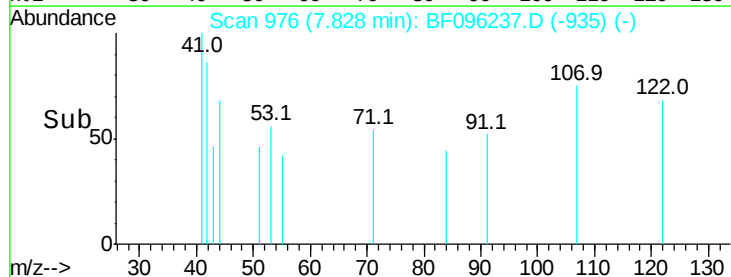
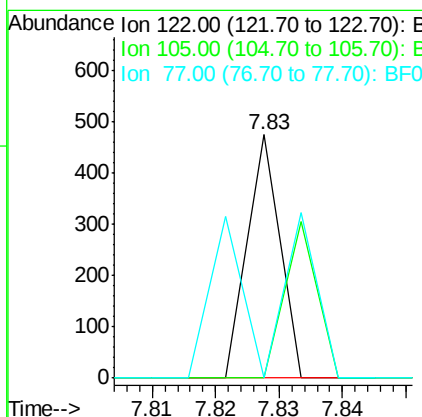
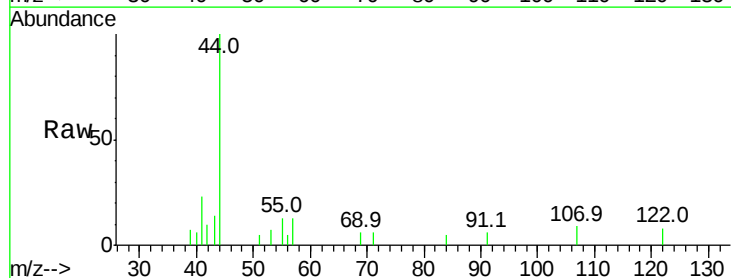
Instrument :
 BNA_F
 ClientSampleId :

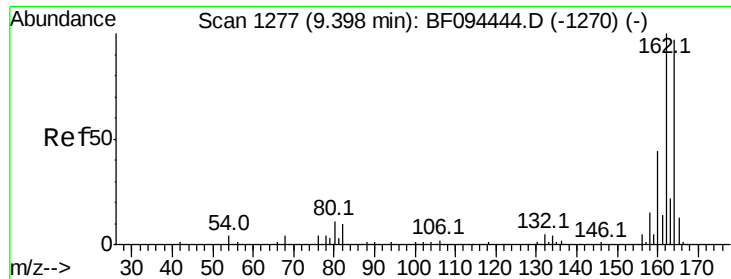
Tot Ion	82	Resp	27785
Ion Ratio	Lower	Upper	
82	100		
128	41.5	34.0	51.0
54	62.1	42.2	63.2



#32
 Benzoic acid
 Concen: 8.80 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.06 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

Tgt Ion	122	Resp	167
Ion Ratio	Lower	Upper	
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#

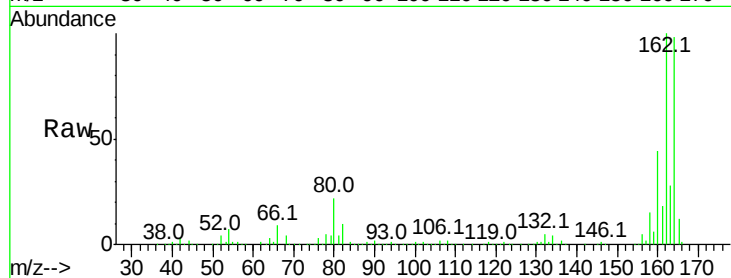




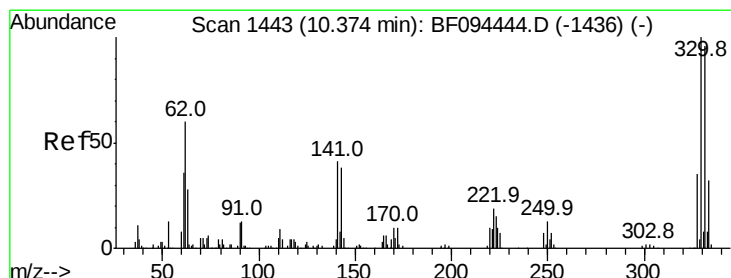
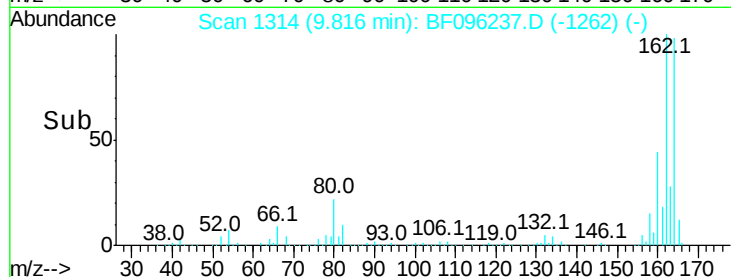
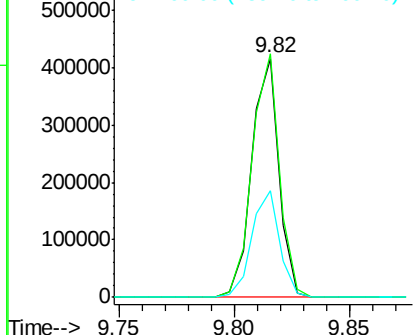
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 342648
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 44.9 36.2 54.2

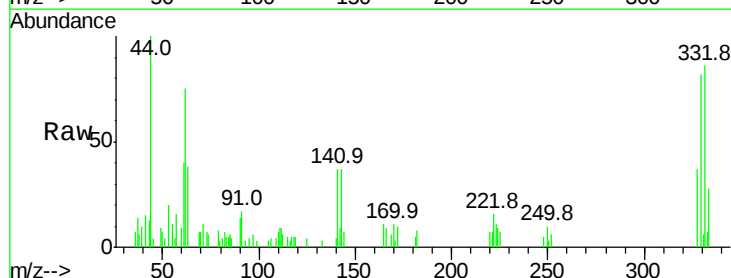


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

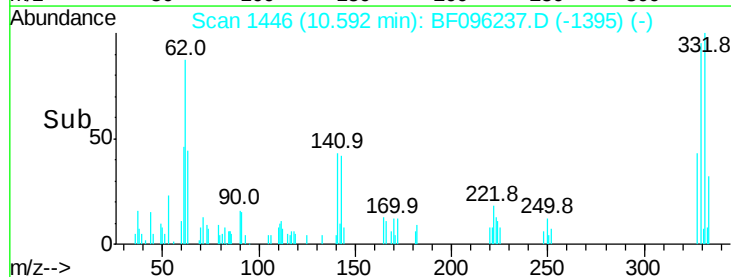
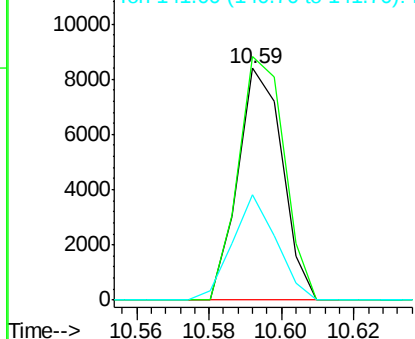


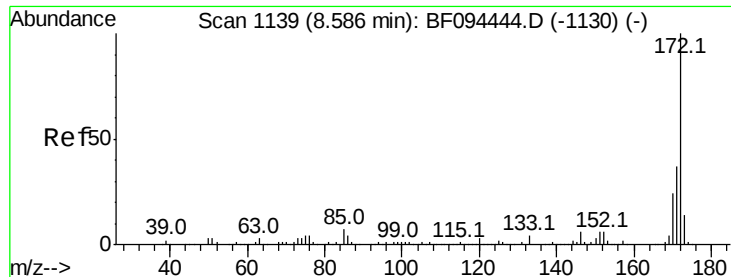
#41
 2,4,6-Tribromophenol
 Concen: 2.65 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

Tgt Ion:330 Resp: 7135
 Ion Ratio Lower Upper
 330 100
 332 108.9 76.6 115.0
 141 45.3 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

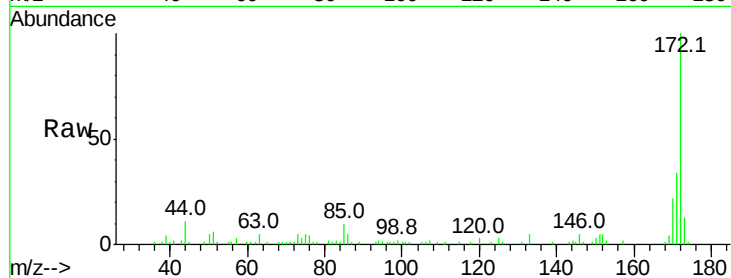




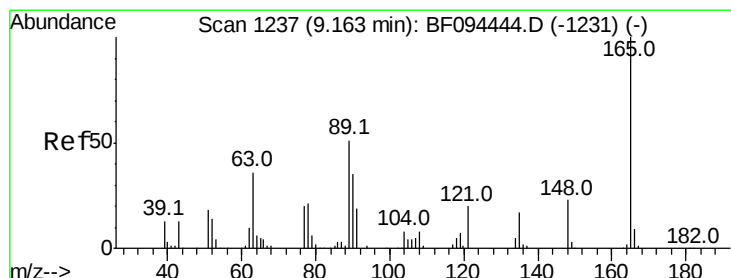
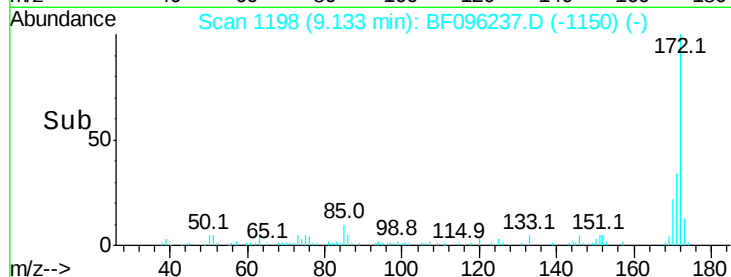
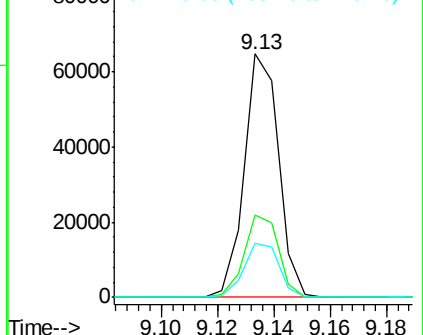
#44
 2-Fluorobiphenyl
 Concen: 2.92 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 54564
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.6 44.4
 170 22.2 19.8 29.8

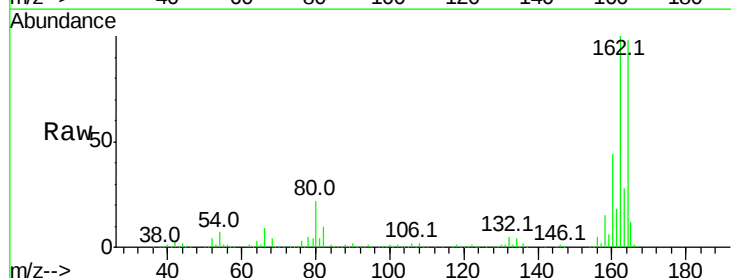


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

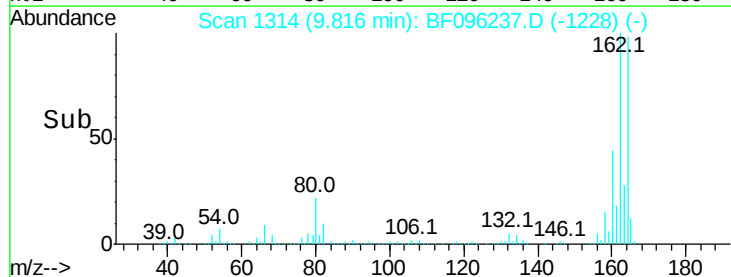
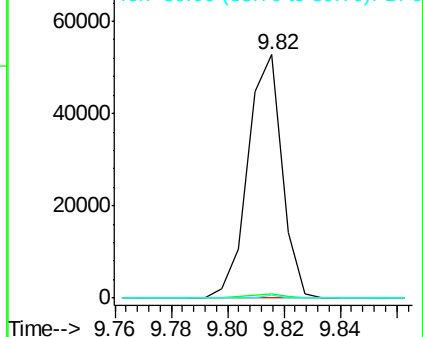


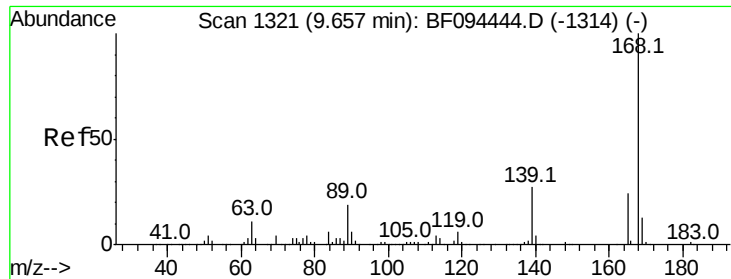
#50
 2,6-Dinitrotoluene
 Concen: 8.70 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

Tgt Ion:165 Resp: 44384
 Ion Ratio Lower Upper
 165 100
 63 1.7 34.3 51.5#
 89 1.3 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

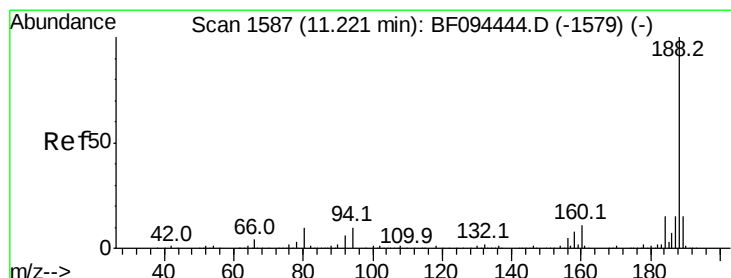
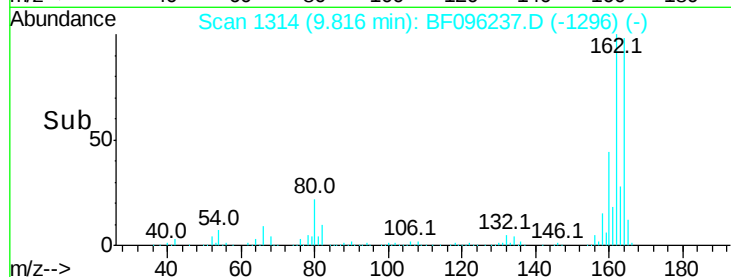
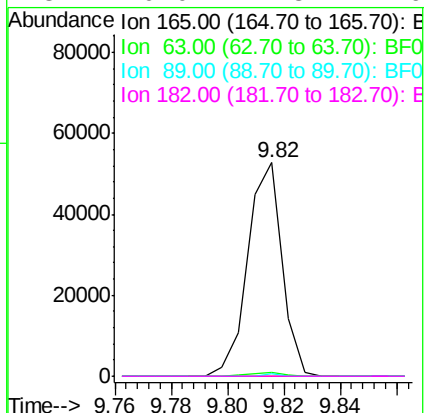
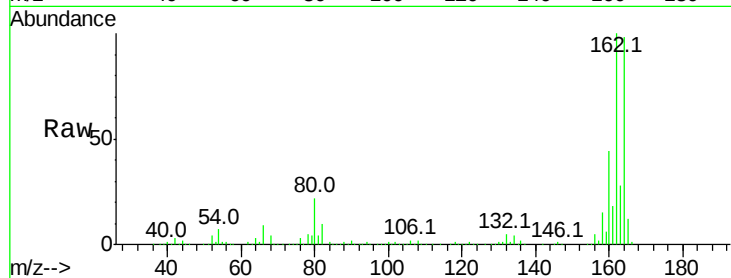




#56
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

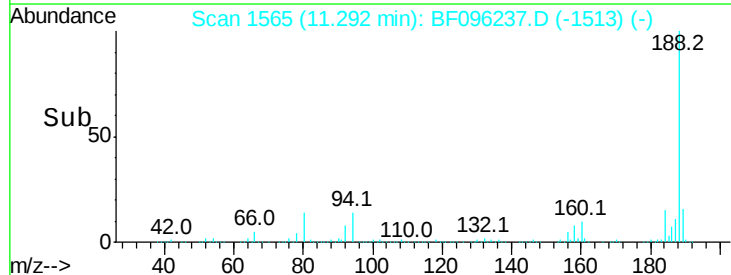
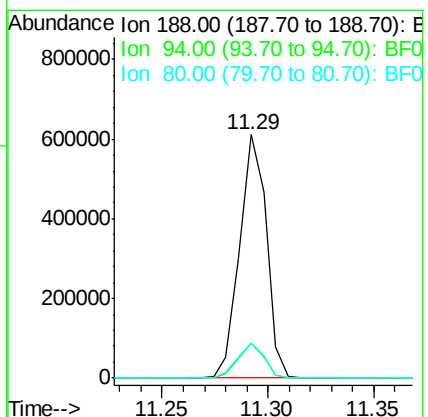
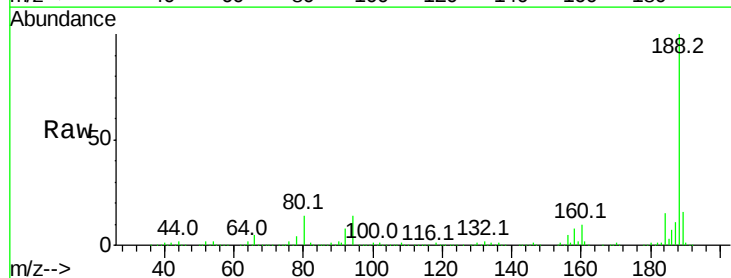
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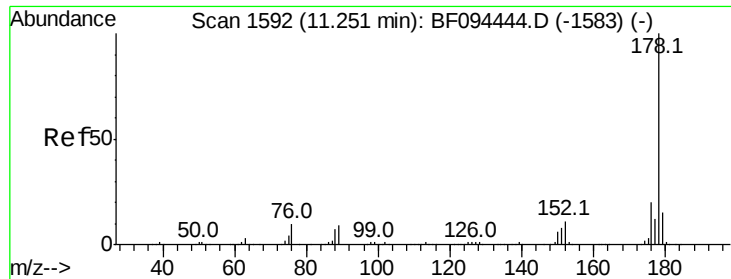
Tot Ion:165 Resp: 44384
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.3 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096237.D
 Acq: 28 Jun 2017 00:57

Tgt Ion:188 Resp: 535653
 Ion Ratio Lower Upper
 188 100
 94 14.3 9.4 14.2#
 80 14.5 10.2 15.2

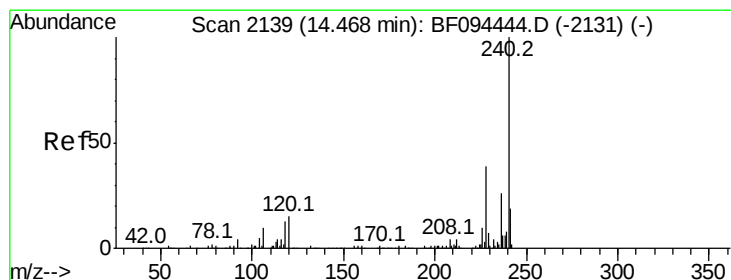
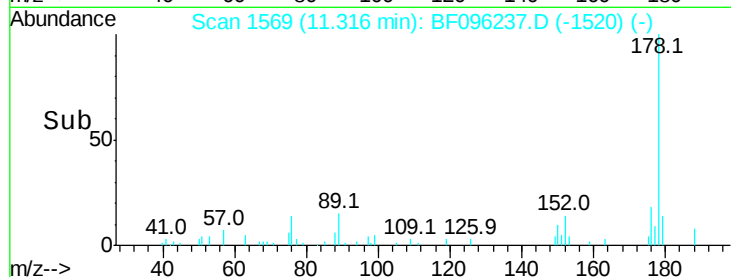
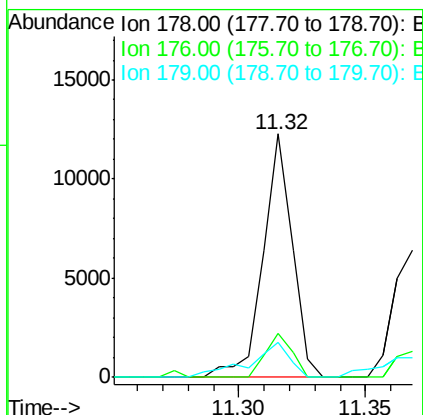
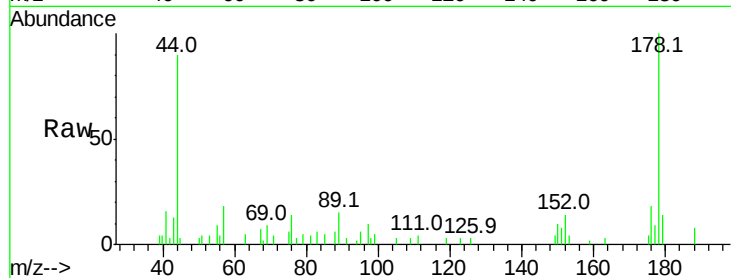




#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096237.D
Acq: 28 Jun 2017 00:57

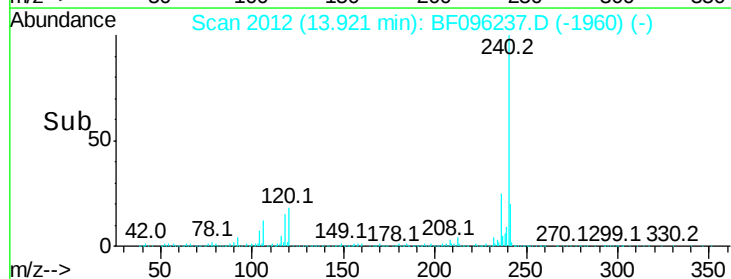
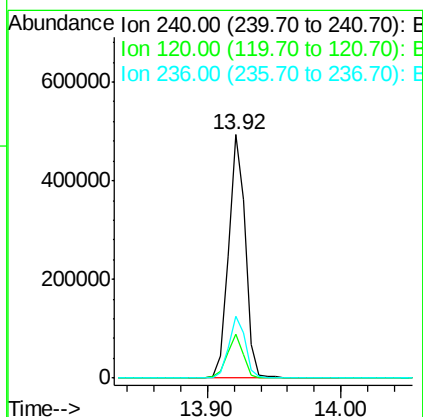
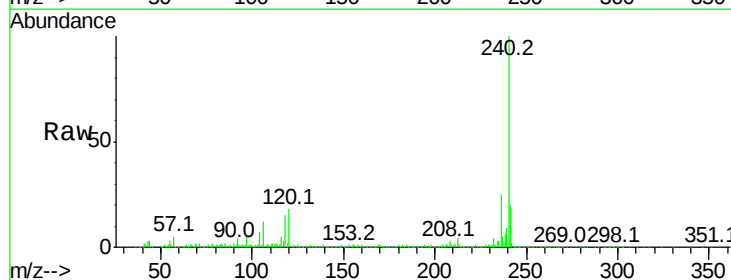
Instrument :
BNA_F
ClientSampleId :

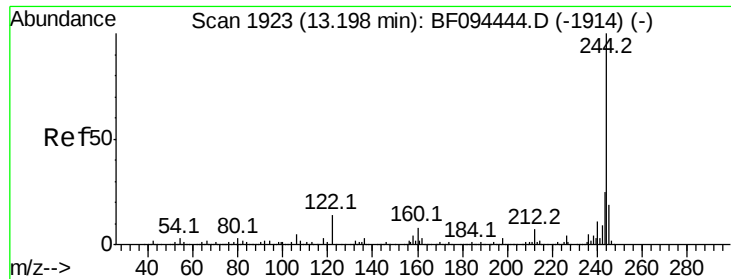
Tot Ion:178 Resp: 9956
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 14.4 12.6 19.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF096237.D
Acq: 28 Jun 2017 00:57

Tgt Ion:240 Resp: 437757
Ion Ratio Lower Upper
240 100
120 18.1 5.8 8.8#
236 25.4 20.5 30.7





#78

Terphenyl-d14

Concen: 2.01 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096237.D

Acq: 28 Jun 2017 00:57

Instrument :

BNA_F

ClientSampleId :

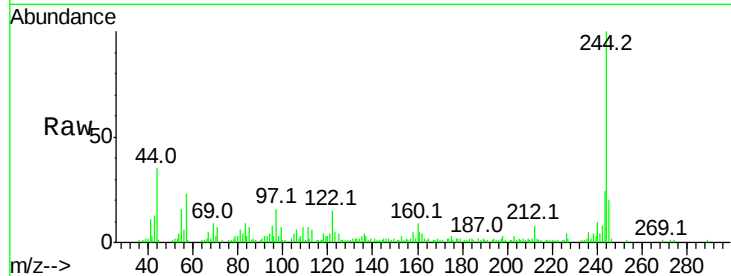
Tot Ion:244 Resp: 35199

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

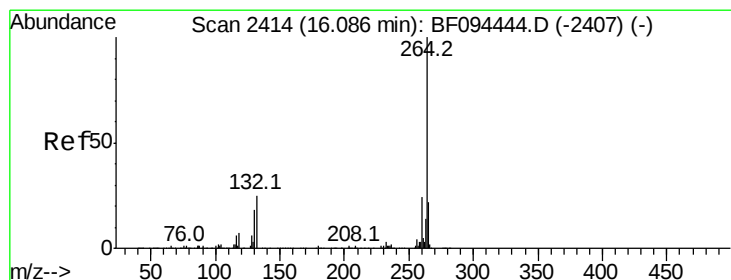
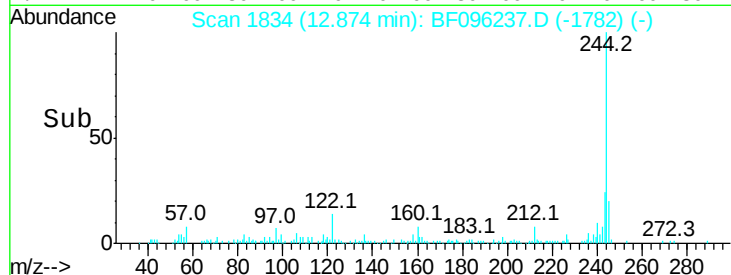
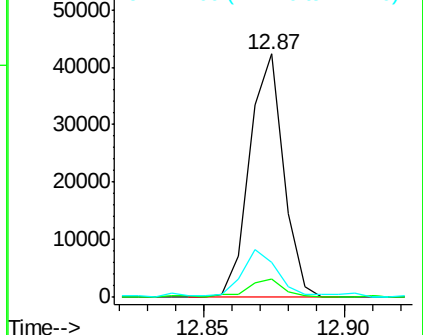
122 14.6 10.3 15.5



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: BF096237.D

Acq: 28 Jun 2017 00:57

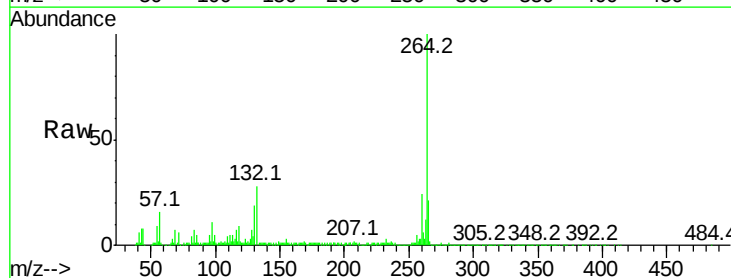
Tgt Ion:264 Resp: 302234

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.3 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

