

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096274.D
 Acq On : 29 Jun 2017 3:41
 Operator : SJ/MA
 Sample : I3852-18 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 05:41:23 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

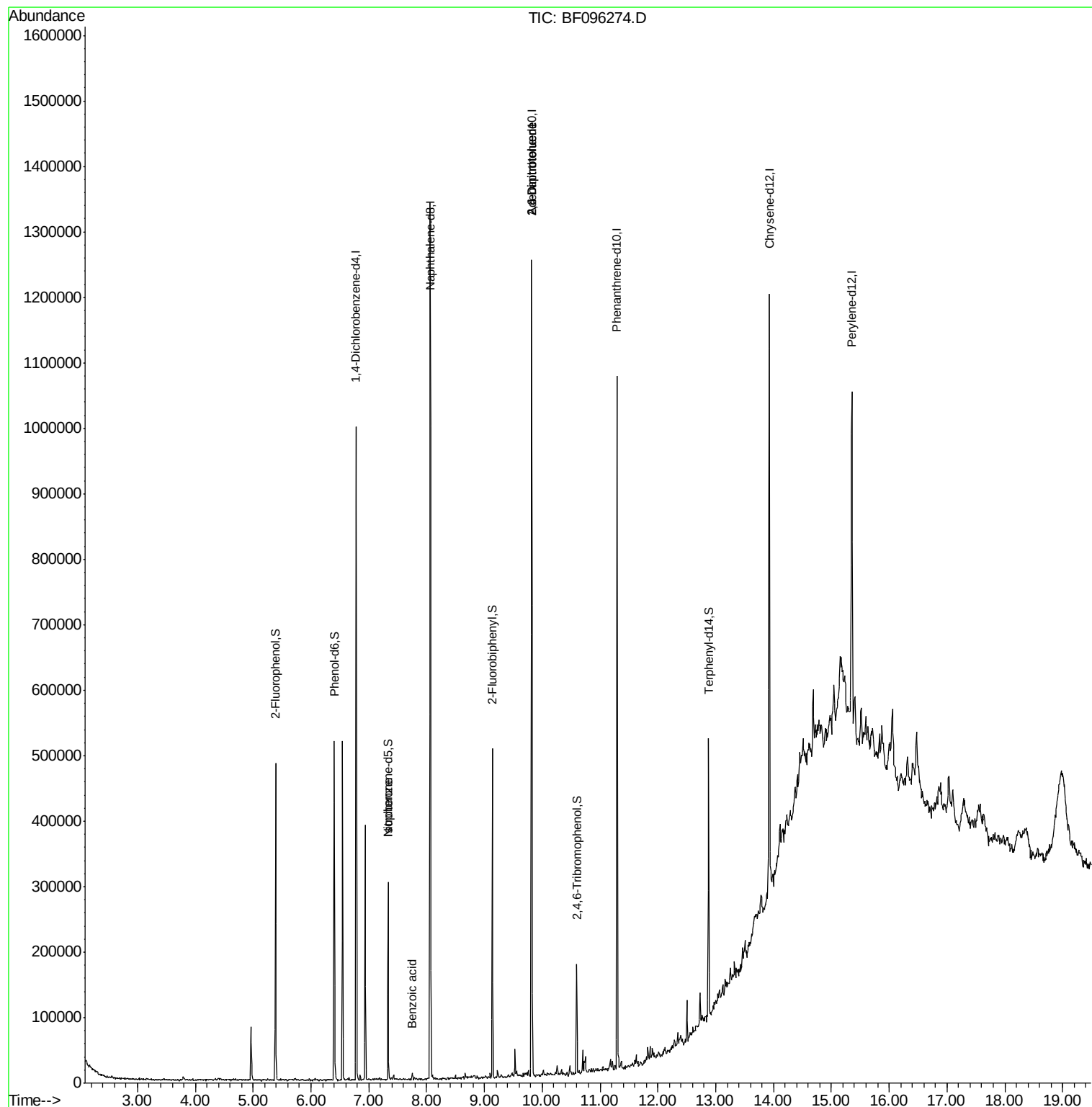
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	136746	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	553877	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	215870	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	358881	20.00	ng	0.00
75) Chrysene-d12	13.93	240	315625	20.00	ng	0.01
86) Perylene-d12	15.36	264	225643	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	121977	12.85	ng	0.00
7) Phenol-d6	6.40	99	150973	13.14	ng	0.01
23) Nitrobenzene-d5	7.33	82	74156	9.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	17771	10.46	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	141914	12.04	ng	-0.01
78) Terphenyl-d14	12.87	244	113767	8.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.40	77	242	Below Cal	#	1
25) Isophorone	7.33	82	74154	4.08	ng	# 67
32) Benzoic acid	7.75	122	2237	9.10	ng	# 76
50) 2,6-Dinitrotoluene	9.82	165	26893	8.37	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	26893	6.64	ng	# 33
57) Fluorene	10.36	166	518	Below Cal	#	92
70) Phenanthrene	11.32	178	6564	Below Cal	#	89

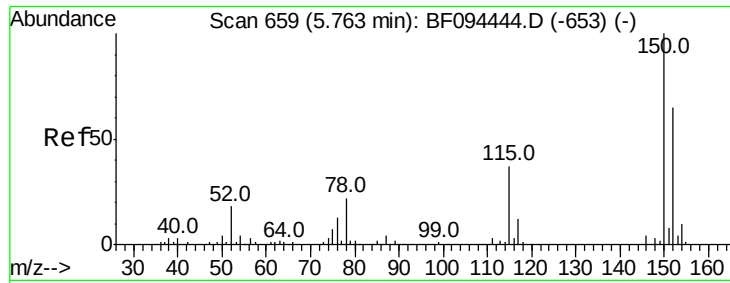
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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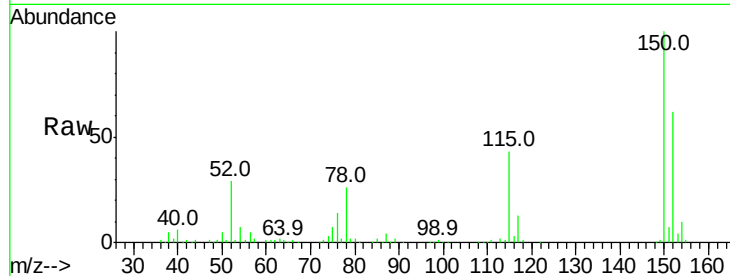


#1

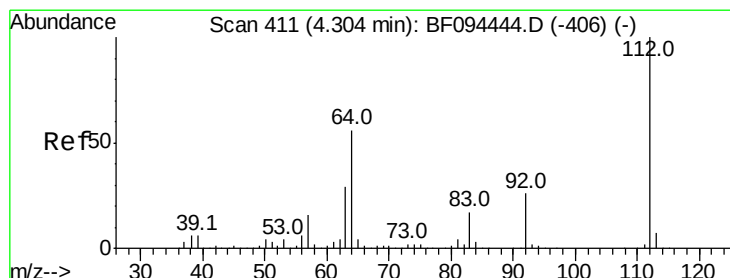
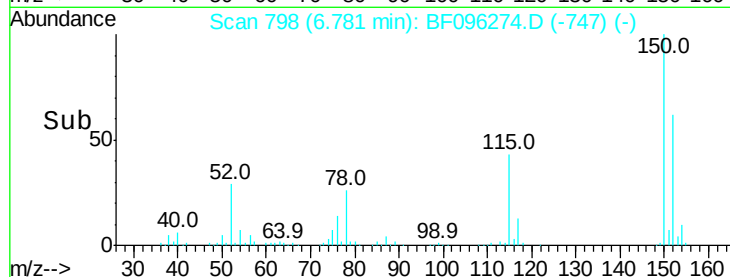
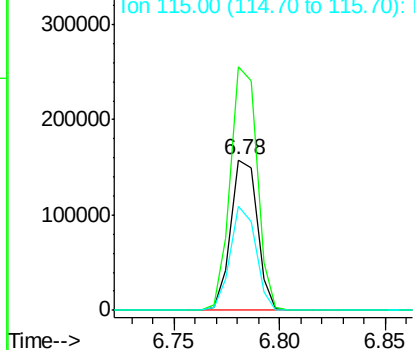
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096274.D
Acq: 29 Jun 2017 3:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136746
Ion Ratio Lower Upper
152 100
150 161.9 126.2 189.2
115 68.9 52.2 78.2



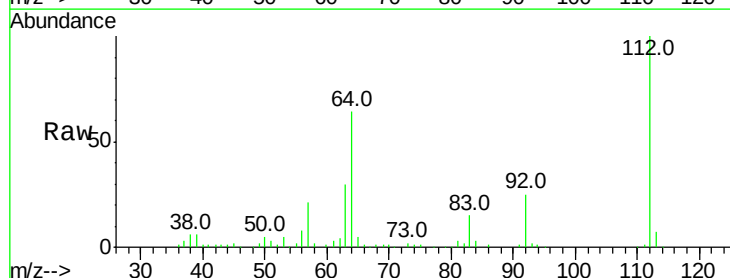
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



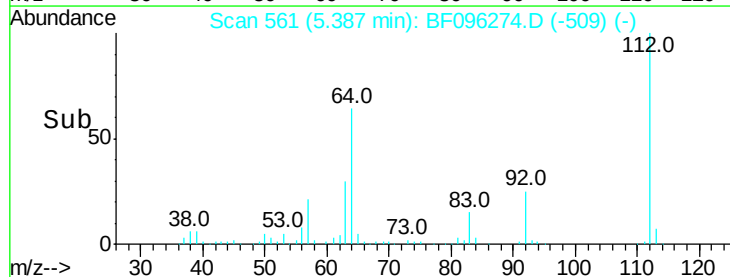
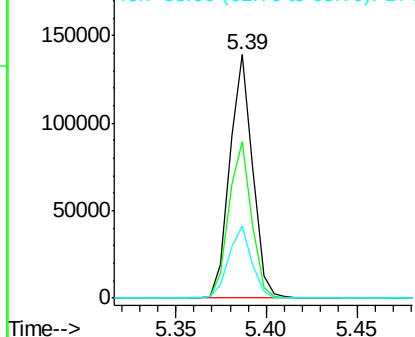
#5

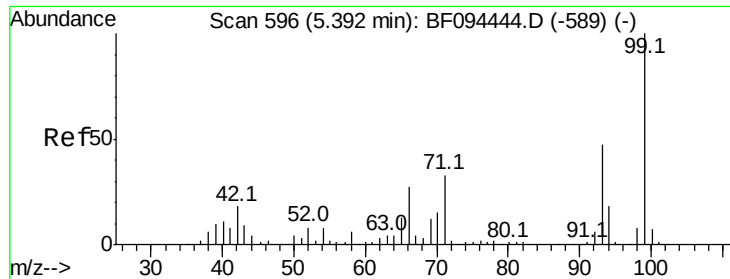
2-Fluorophenol
Concen: 12.85 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096274.D
Acq: 29 Jun 2017 3:41

Tgt Ion:112 Resp: 121977
Ion Ratio Lower Upper
112 100
64 64.5 46.0 69.0
63 29.7 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: 13.14 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

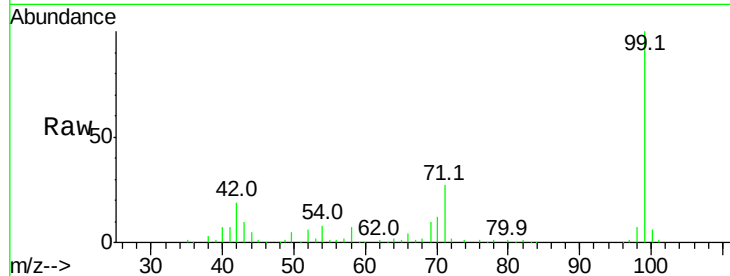
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 150973

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	27.0	24.5	36.7

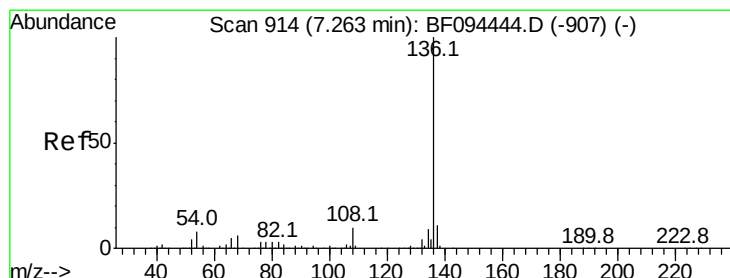
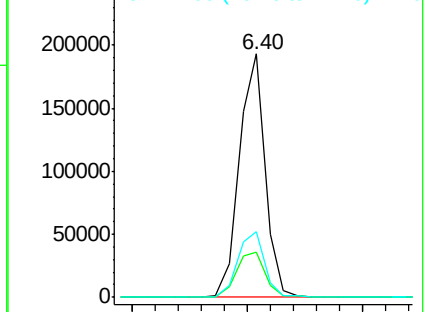
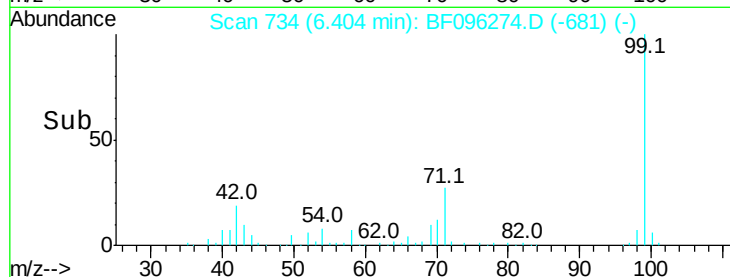


Abundance

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: 8.06 min Scan# 1016

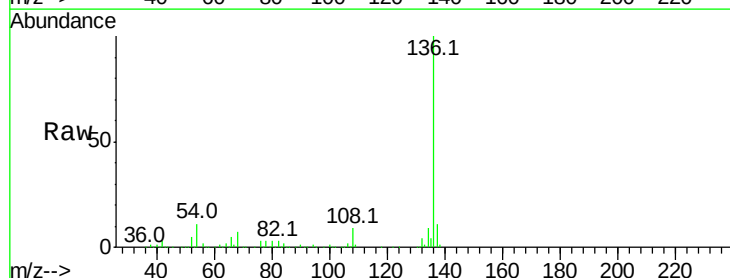
Delta R.T. 0.01 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

Tgt Ion: 136 Resp: 553877

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.0	4.9	7.3#
68	6.9	4.1	6.1#



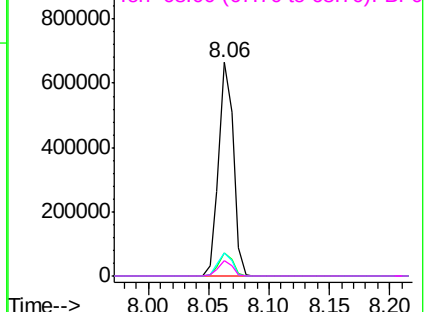
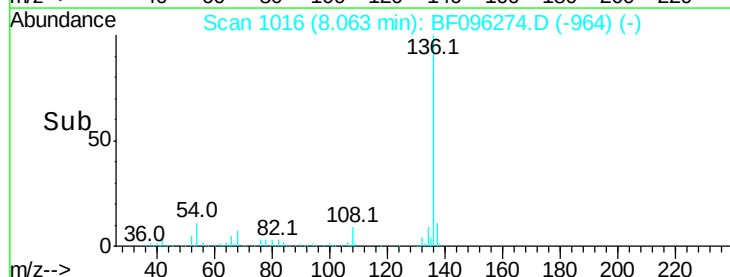
Abundance

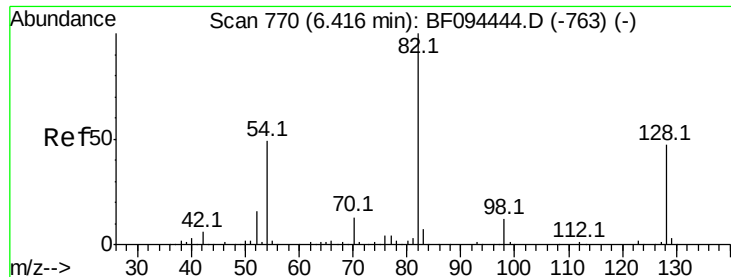
Ion 136.00 (135.70 to 136.70): E

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

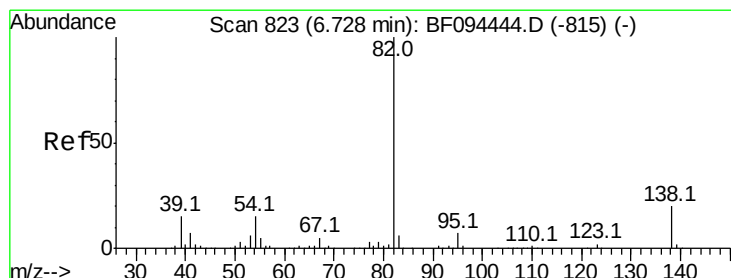
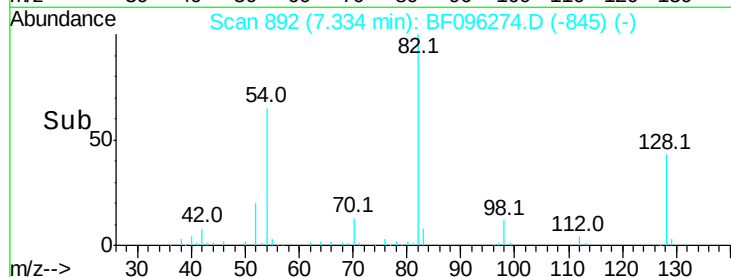
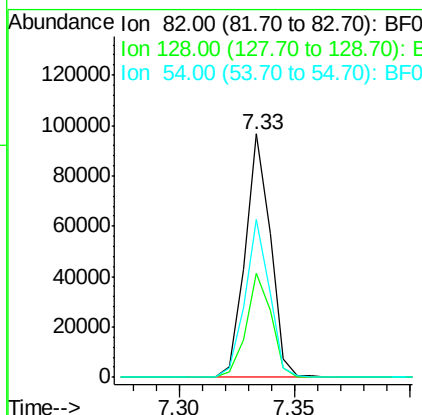
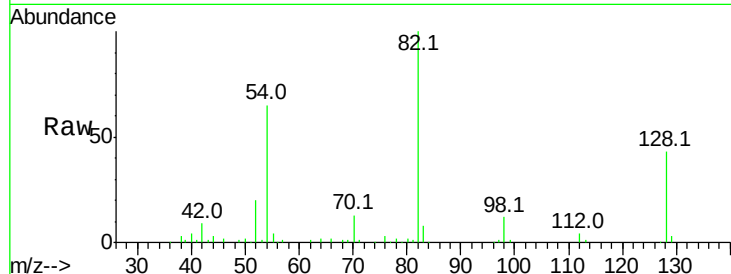




#23
 Nitrobenzene-d5
 Concen: 9.27 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF096274.D
 Acq: 29 Jun 2017 3:41

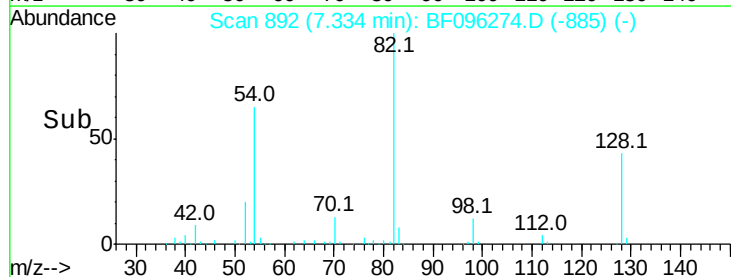
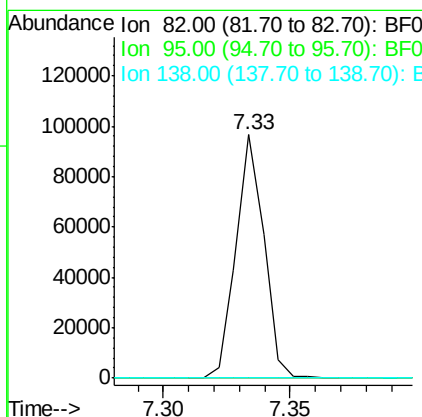
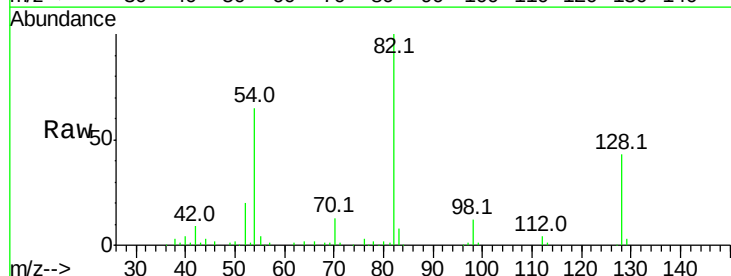
Instrument :
 BNA_F
 ClientSampleId :

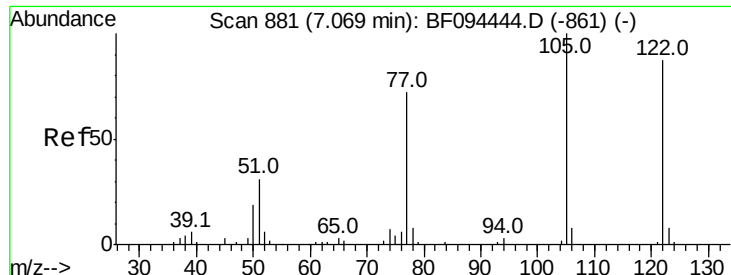
Tot Ion	82	Resp	74156
Ion Ratio	Lower	Upper	
82	100		
128	43.0	34.0	51.0
54	64.7	42.2	63.2#



#25
 Isophorone
 Concen: 4.08 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.26 min
 Lab File: BF096274.D
 Acq: 29 Jun 2017 3:41

Tgt Ion	82	Resp	74154
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

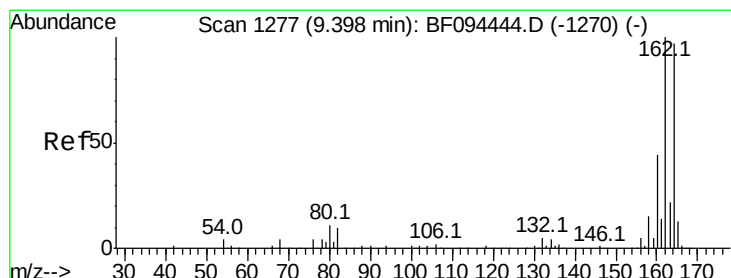
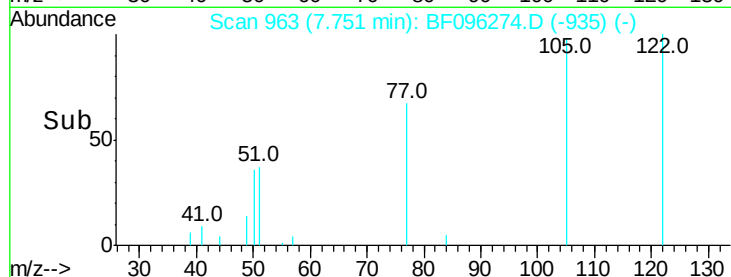
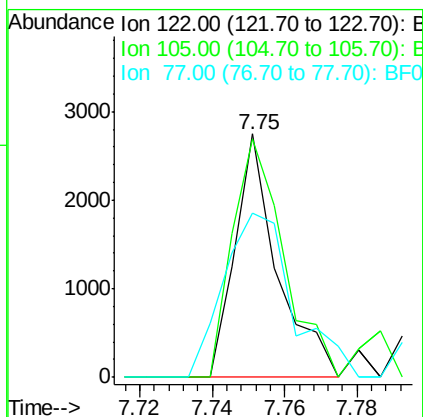
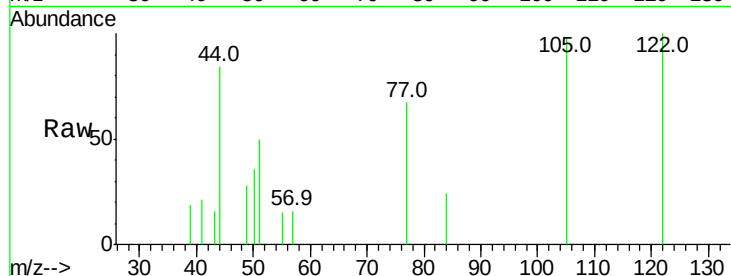




#32
Benzoic acid
Concen: 9.10 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.13 min
Lab File: BF096274.D
Acq: 29 Jun 2017 3:41

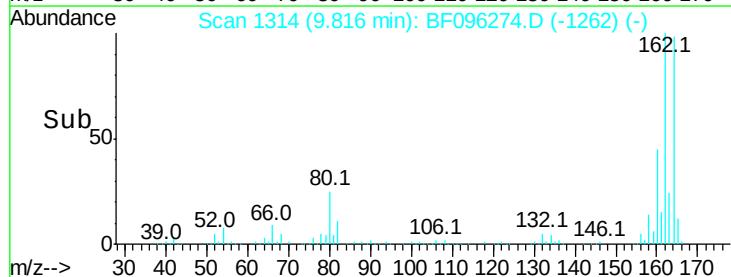
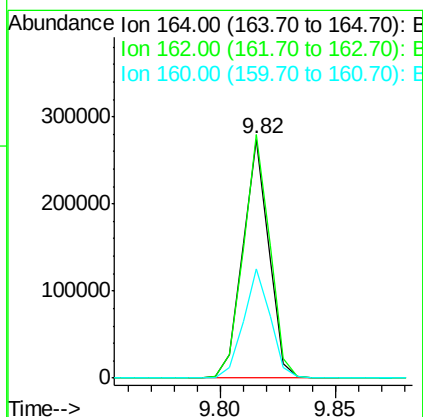
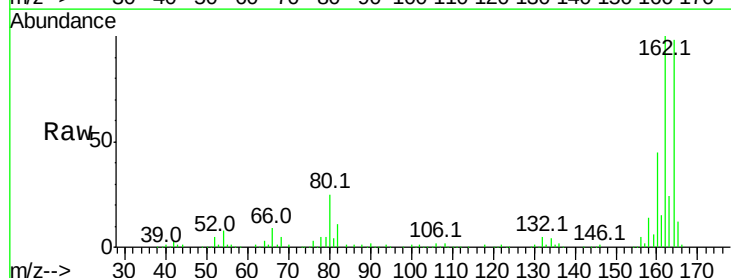
Instrument :
BNA_F
ClientSampleId :

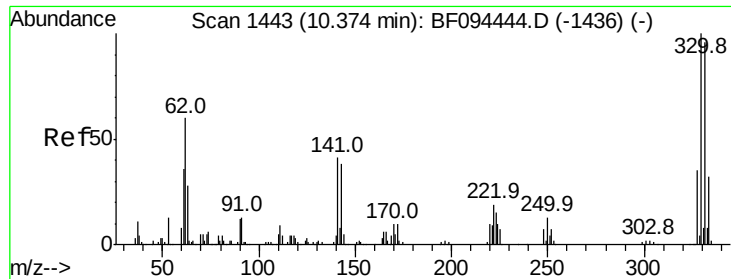
Tot Ion:122 Resp: 2237
Ion Ratio Lower Upper
122 100
105 98.1 103.3 143.3#
77 67.3 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096274.D
Acq: 29 Jun 2017 3:41

Tgt Ion:164 Resp: 215870
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 45.7 36.2 54.2

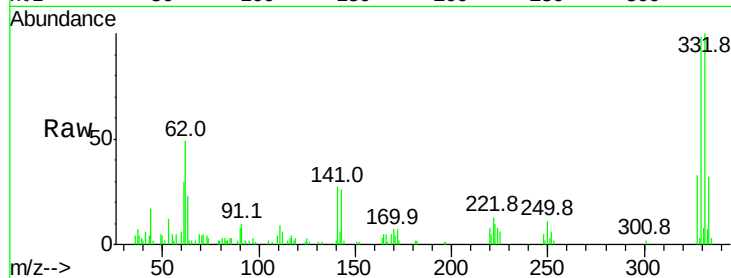




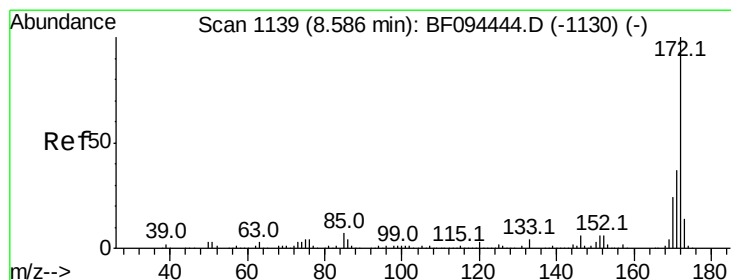
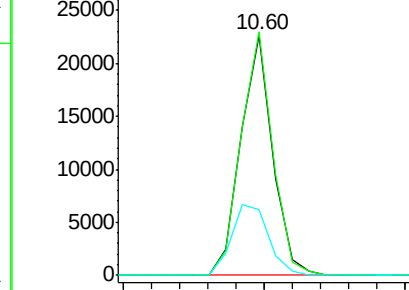
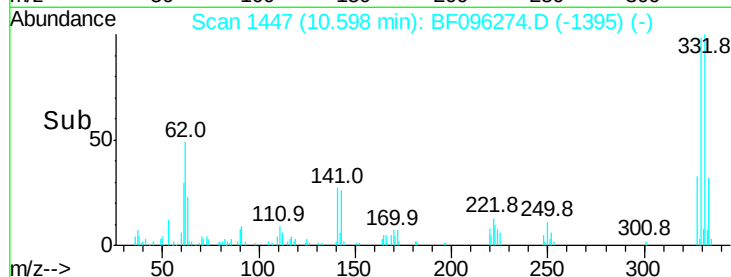
#41
 2,4,6-Tribromophenol
 Concen: 10.46 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096274.D
 Acq: 29 Jun 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 17771
 Ion Ratio Lower Upper
 330 100
 332 100.5 76.6 115.0
 141 34.0 31.4 47.2

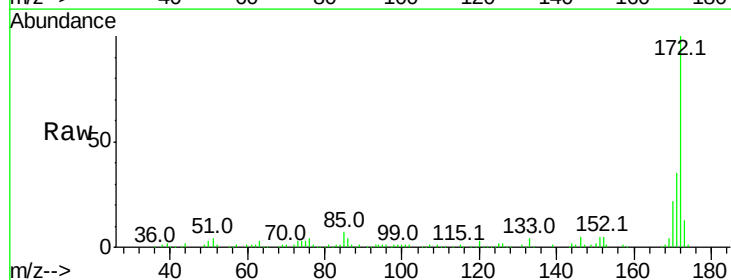


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

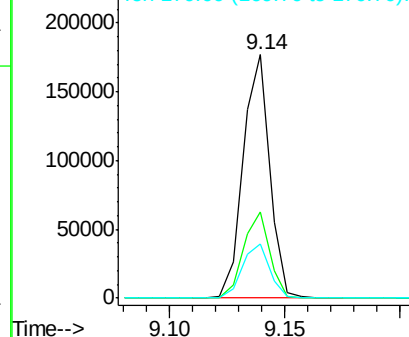
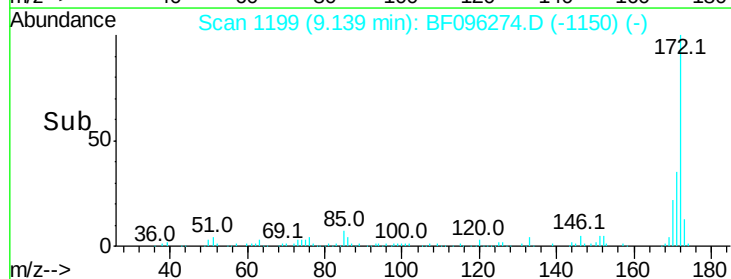


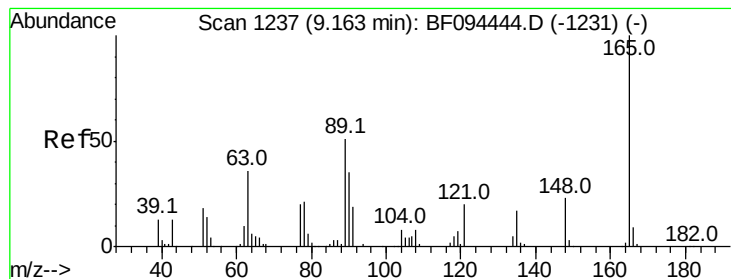
#44
 2-Fluorobiphenyl
 Concen: 12.04 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096274.D
 Acq: 29 Jun 2017 3:41

Tgt Ion:172 Resp: 141914
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 22.3 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: 8.37 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.21 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

Instrument :

BNA_F

ClientSampleId :

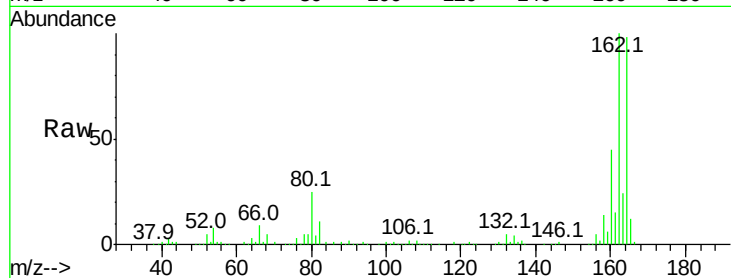
Tot Ion:165 Resp: 26893

Ion Ratio Lower Upper

165 100

63 2.0 34.3 51.5#

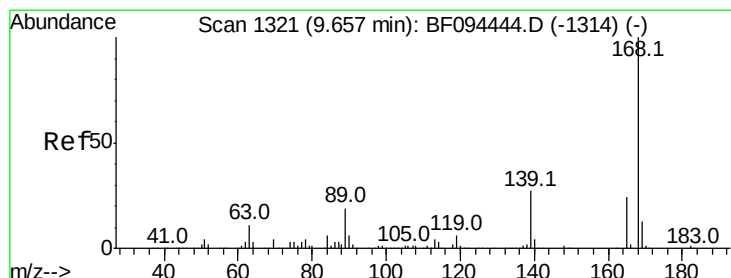
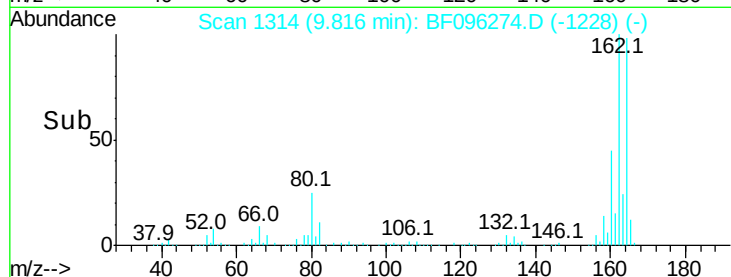
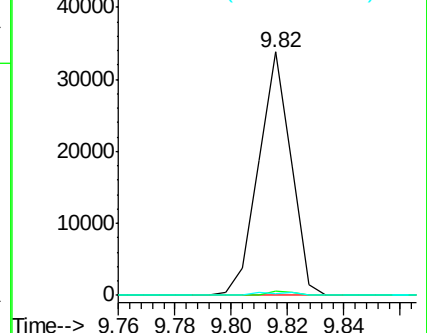
89 0.9 37.1 55.7#



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: 6.64 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

Tgt Ion:165 Resp: 26893

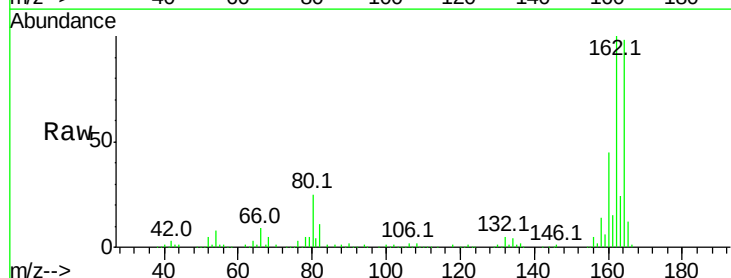
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 0.9 46.4 69.6#

182 0.0 1.8 2.6#

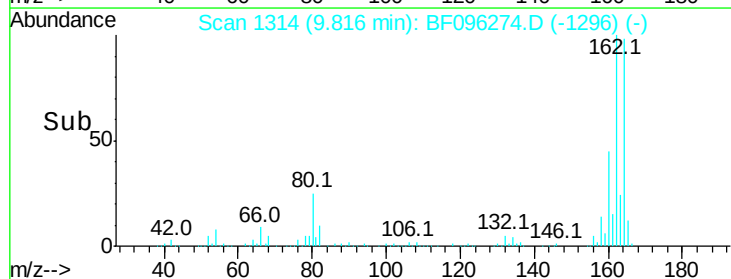
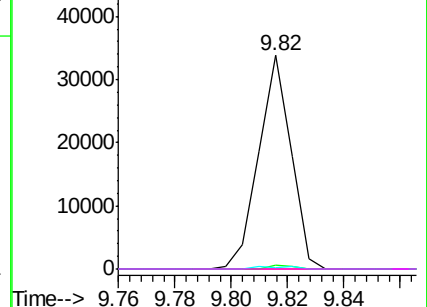


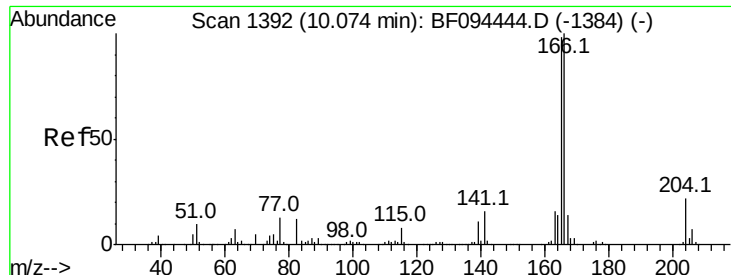
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

Instrument :

BNA_F

ClientSampled :

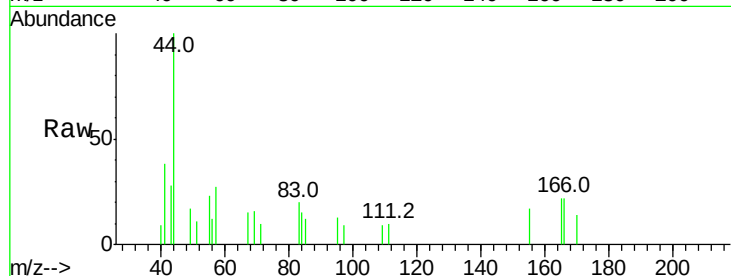
Tot Ion:166 Resp: 518

Ion Ratio Lower Upper

166 100

165 102.9 78.8 118.2

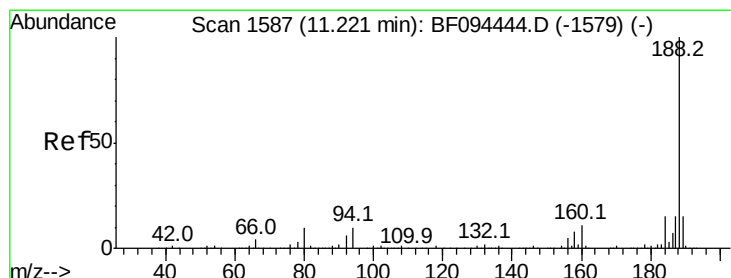
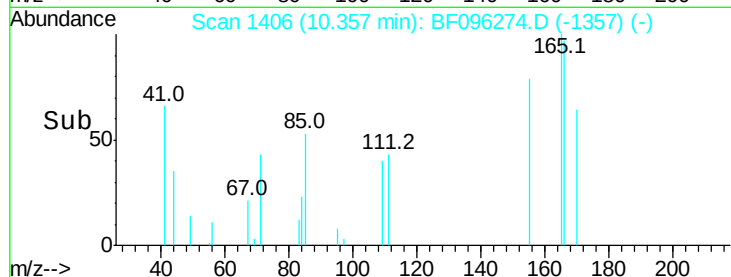
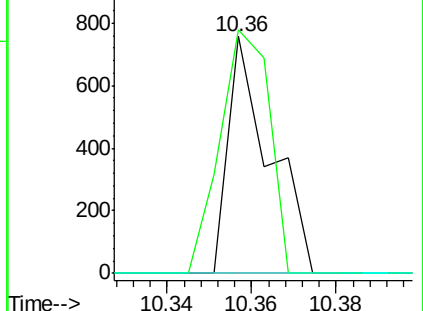
167 0.0 10.6 16.0#



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: 11.29 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

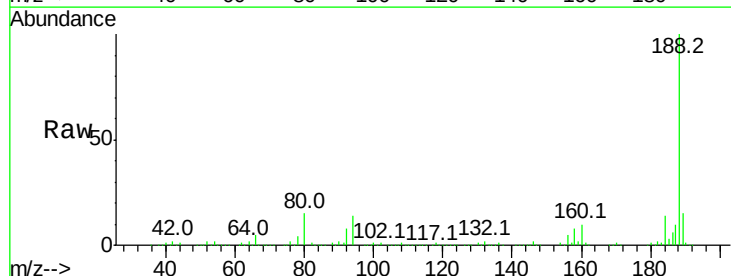
Tgt Ion:188 Resp: 358881

Ion Ratio Lower Upper

188 100

94 14.3 9.4 14.2#

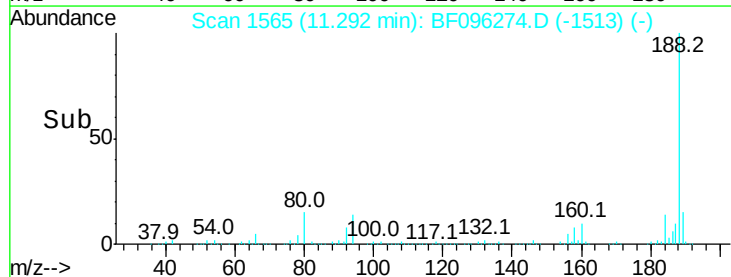
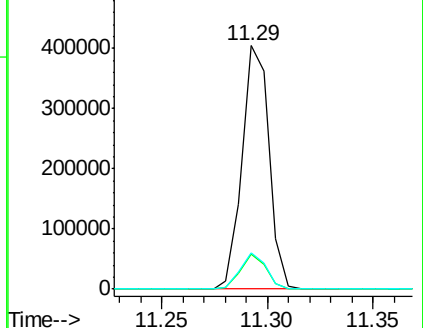
80 15.1 10.2 15.2

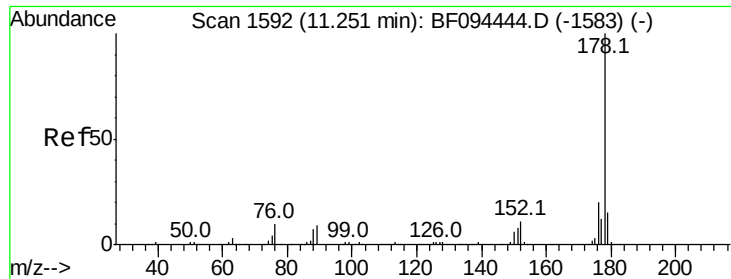


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF096274.D

Acq: 29 Jun 2017 3:41

Instrument :

BNA_F

ClientSampleId :

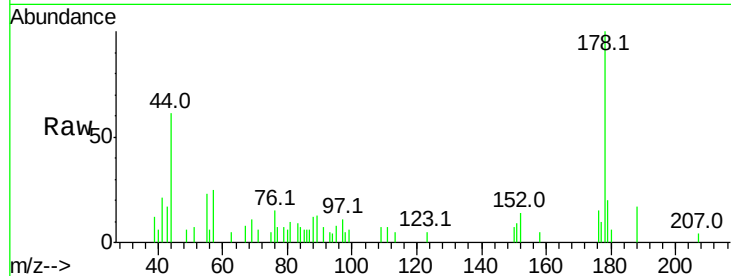
Tot Ion:178 Resp: 6564

Ion Ratio Lower Upper

178 100

176 15.5 16.2 24.4#

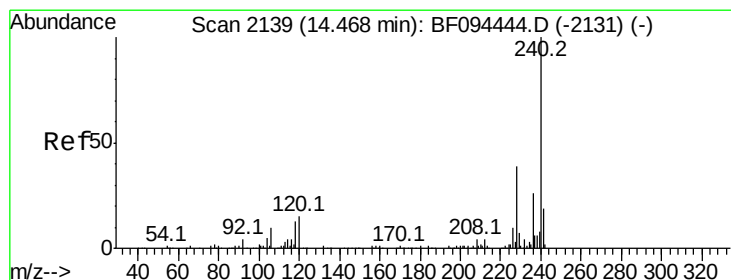
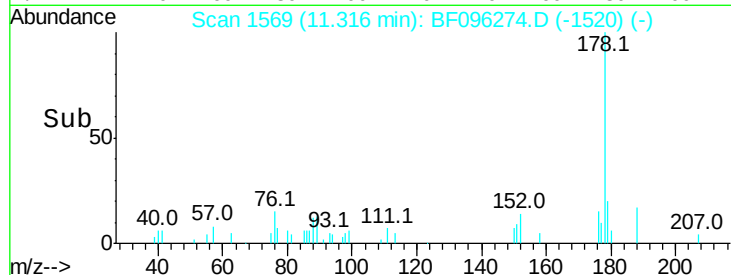
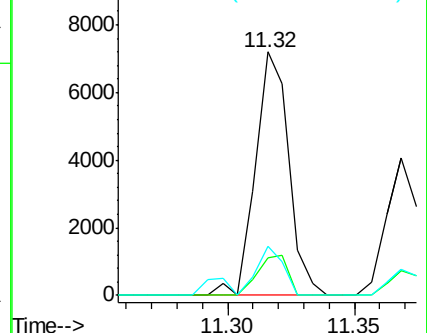
179 20.3 12.6 19.0#



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: BF096274.D

Acq: 29 Jun 2017 3:41

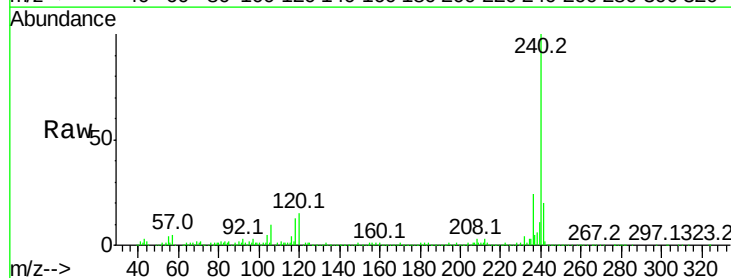
Tgt Ion:240 Resp: 315625

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

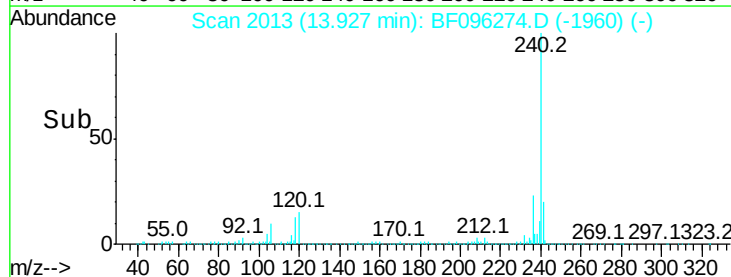
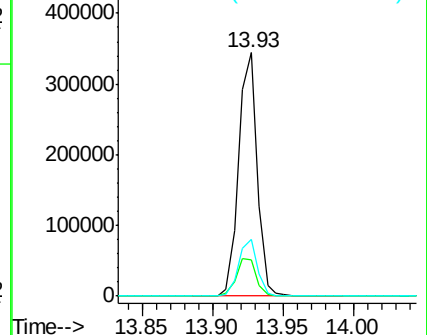
236 23.5 20.5 30.7

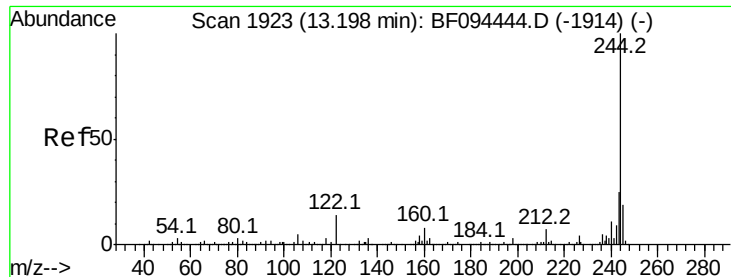


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 8.99 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

Instrument :

BNA_F

ClientSampleId :

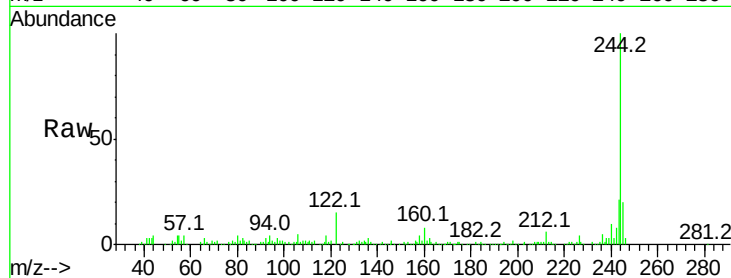
Tot Ion:244 Resp: 113767

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

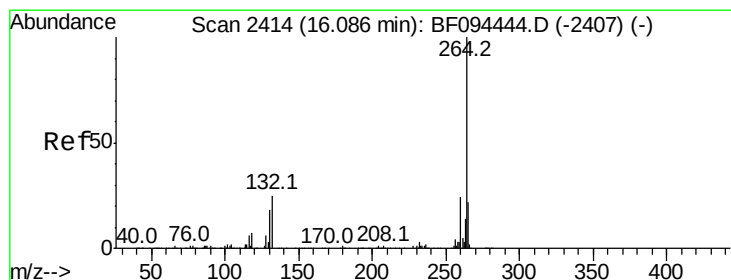
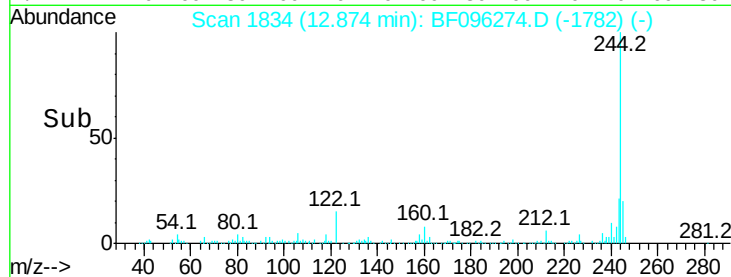
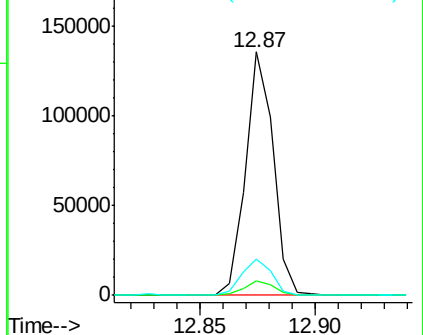
122 15.0 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.02 min

Lab File: BF096274.D

Acq: 29 Jun 2017 3:41

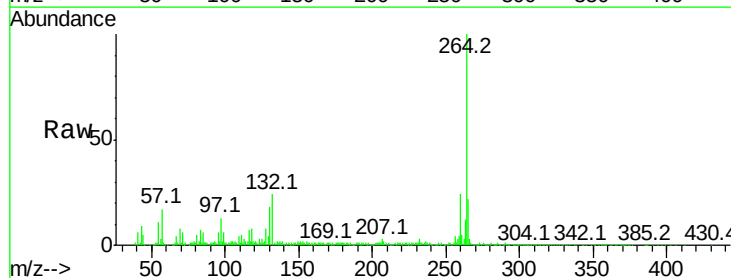
Tgt Ion:264 Resp: 225643

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.2 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

