

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096315.D
 Acq On : 30 Jun 2017 2:06
 Operator : SJ/MA
 Sample : I3882-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 03:56:15 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

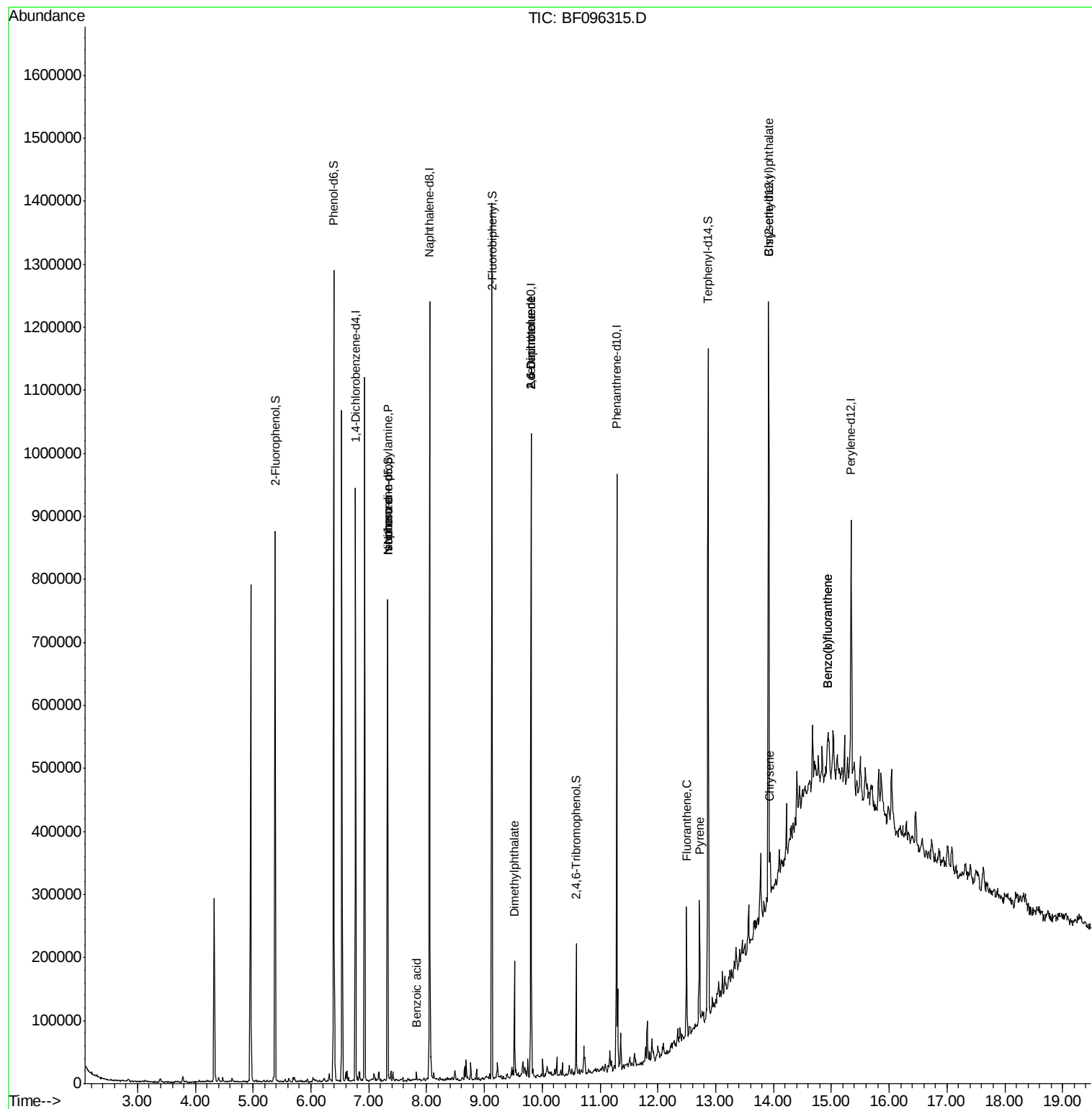
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	141524	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	534213	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	186043	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	291286	20.00	ng	0.00
75) Chrysene-d12	13.92	240	278397	20.00	ng	0.00
86) Perylene-d12	15.34	264	190033	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	242910	24.73	ng	0.00
7) Phenol-d6	6.39	99	405388	34.08	ng	0.00
23) Nitrobenzene-d5	7.33	82	227350	29.46	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	19260	13.15	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	373162	36.73	ng	-0.02
78) Terphenyl-d14	12.87	244	289704	25.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	1625	Below Cal		Qvalue 90
19) n-Nitroso-di-n-propylamine	7.33	70	29180	4.09 ng	#	84
25) Isophorone	7.33	82	227345	12.97 ng	#	67
32) Benzoic acid	7.82	122	1420	8.99 ng	#	39
49) Dimethylphthalate	9.52	163	68798	5.17 ng		99
50) 2,6-Dinitrotoluene	9.80	165	24647	8.90 ng	#	33
56) 2,4-Dinitrotoluene	9.80	165	24647	7.06 ng	#	32
57) Fluorene	10.35	166	3577	Below Cal	#	93
70) Phenanthrene	11.31	178	42166	Below Cal		98
74) Fluoranthene	12.49	202	73975	4.57 ng		94
77) Pyrene	12.72	202	72953	3.19 ng		97
82) Chrysene	13.94	228	36070	2.06 ng	#	94
83) Bis(2-ethylhexyl)phthalate	13.91	149	34564	3.03 ng	#	100
87) Benzo(b)fluoranthene	14.93	252	50240	4.02 ng	#	76
88) Benzo(k)fluoranthene	14.93	252	50240	4.41 ng	#	81

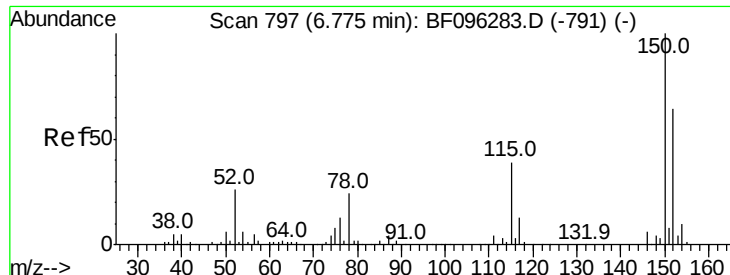
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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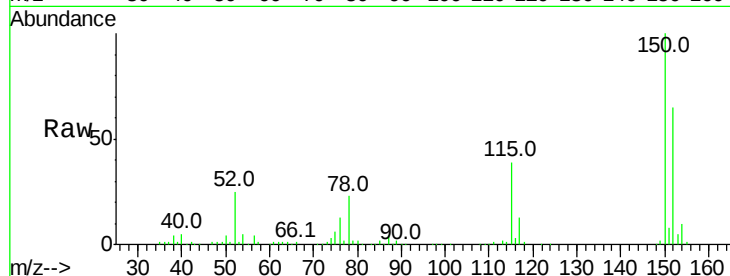


#1

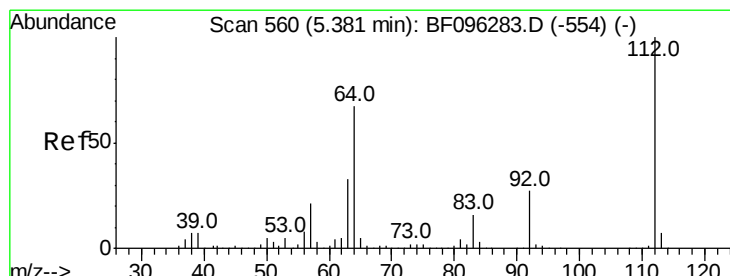
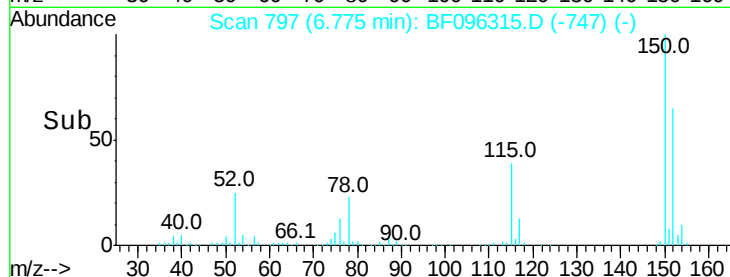
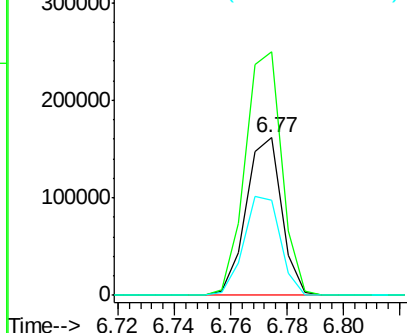
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141524
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.2
115 60.4 52.2 78.2



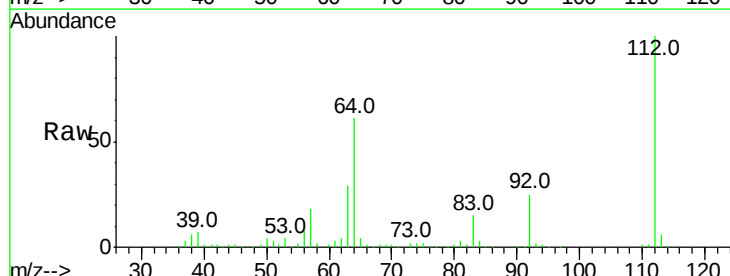
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



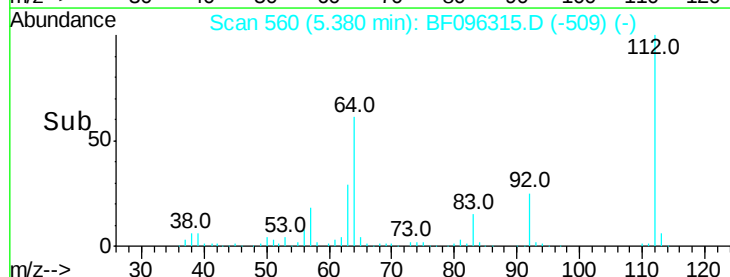
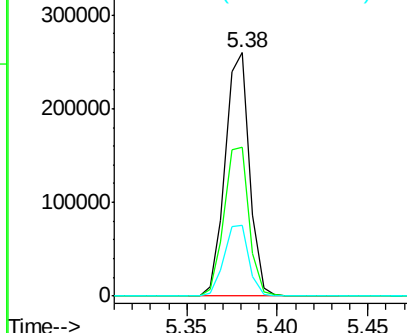
#5

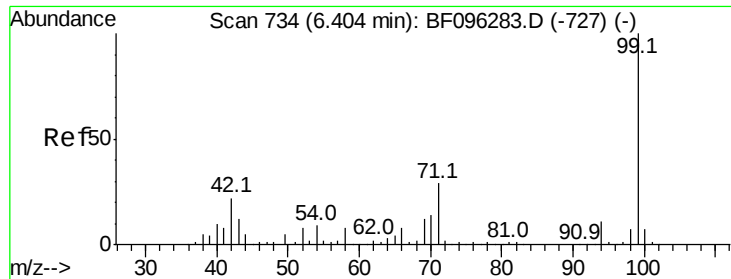
2-Fluorophenol
Concen: 24.73 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

Tgt Ion:112 Resp: 242910
Ion Ratio Lower Upper
112 100
64 61.2 46.0 69.0
63 29.3 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: 34.08 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :

BNA_F

ClientSampleId :

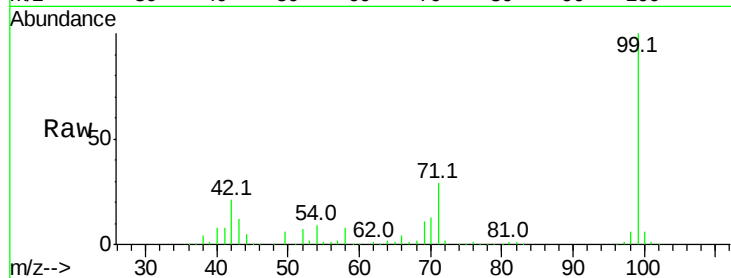
Tot Ion: 99 Resp: 405388

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

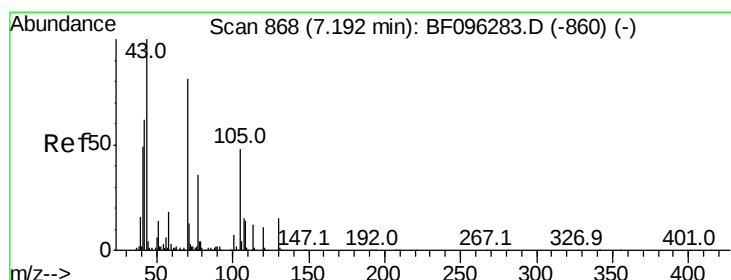
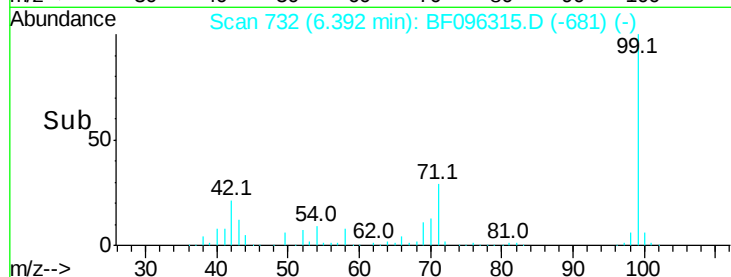
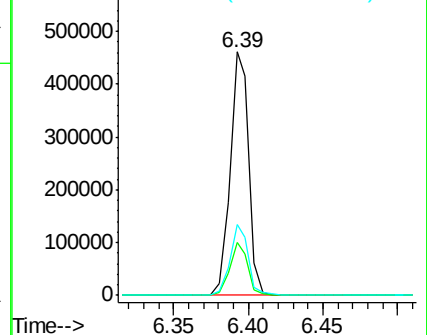
71 28.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.09 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Tgt Ion: 70 Resp: 29180

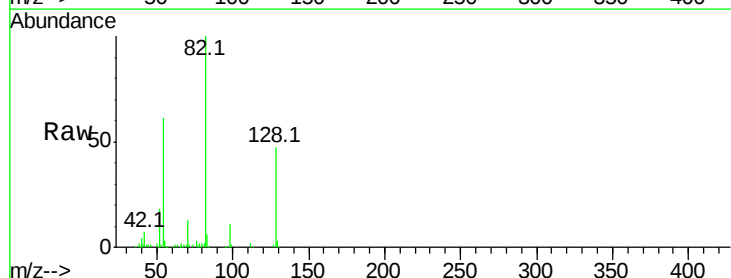
Ion Ratio Lower Upper

70 100

42 54.5 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

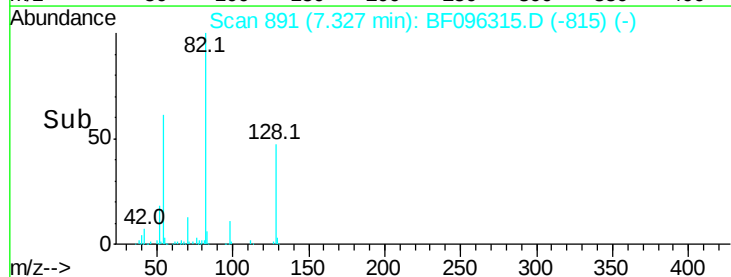
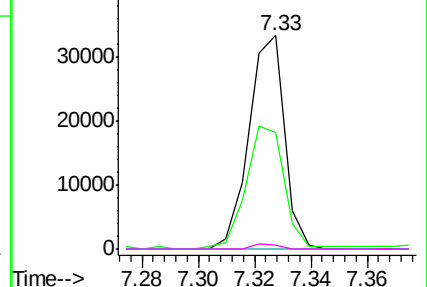


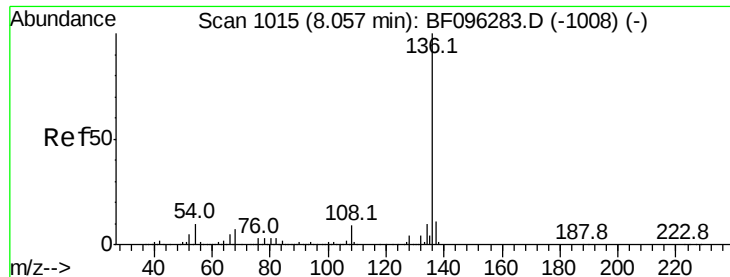
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 534213

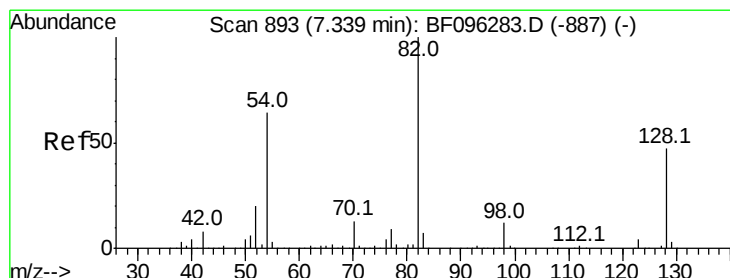
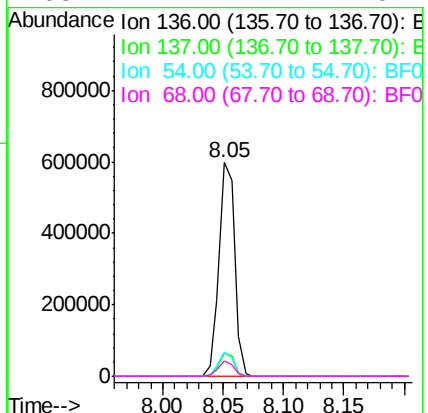
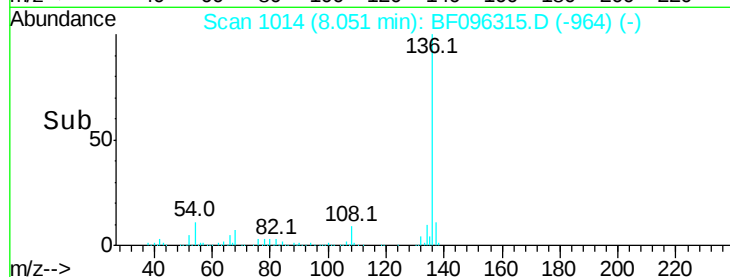
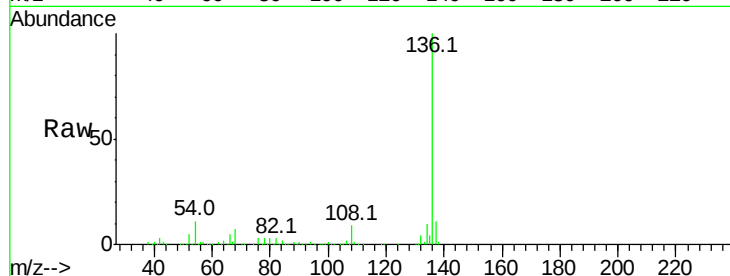
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 11.4 4.9 7.3#

68 7.2 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 29.46 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

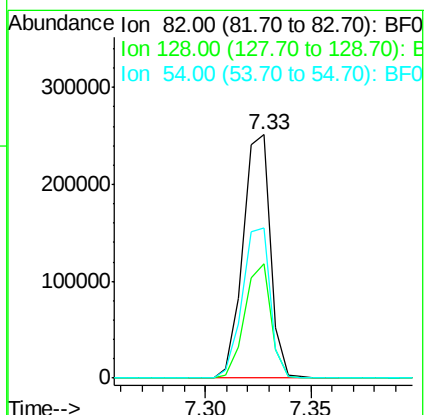
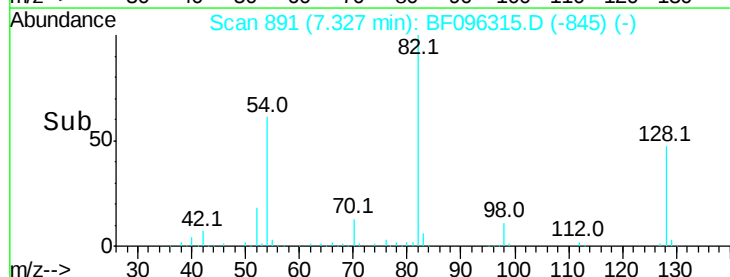
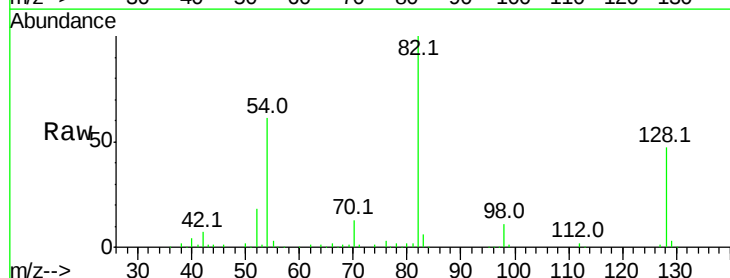
Tgt Ion: 82 Resp: 227350

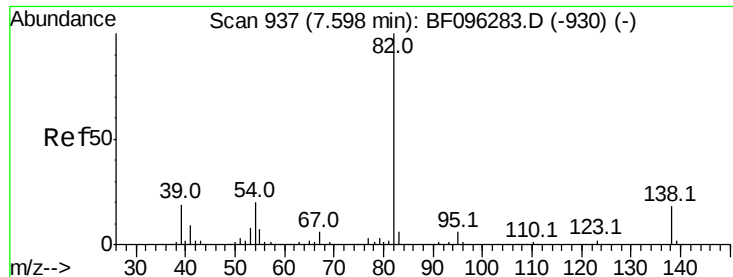
Ion Ratio Lower Upper

82 100

128 47.1 34.0 51.0

54 61.4 42.2 63.2





#25

Isophorone

Concen: 12.97 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :
BNA_F
ClientSampleId :

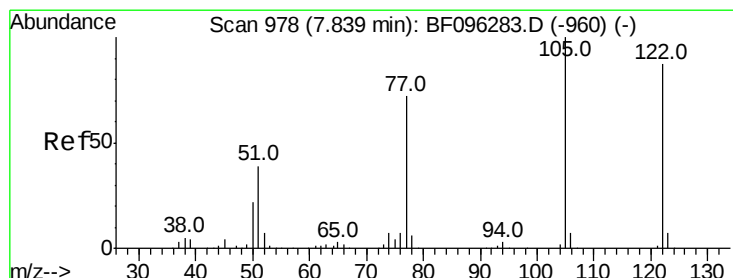
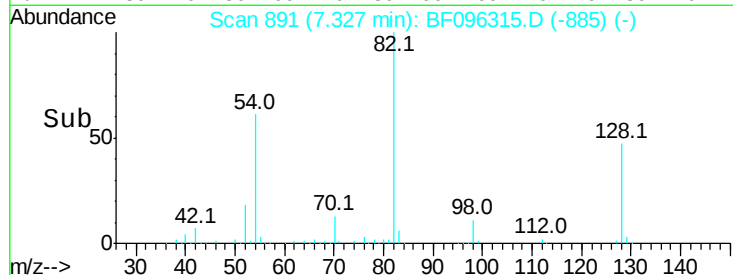
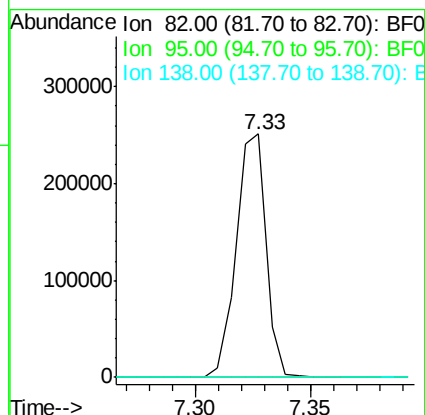
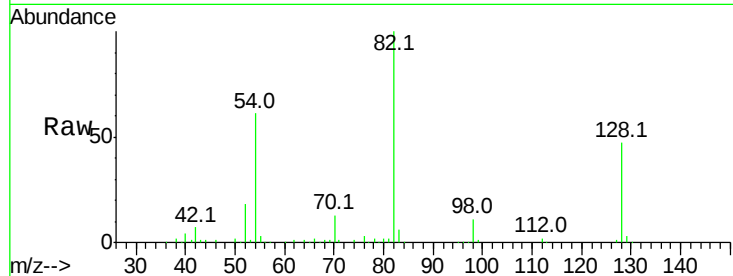
Tot Ion: 82 Resp: 227345

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.99 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.06 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

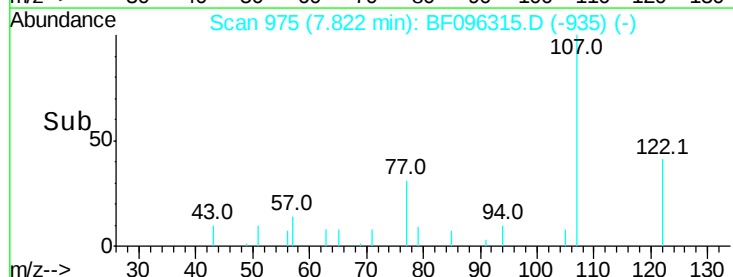
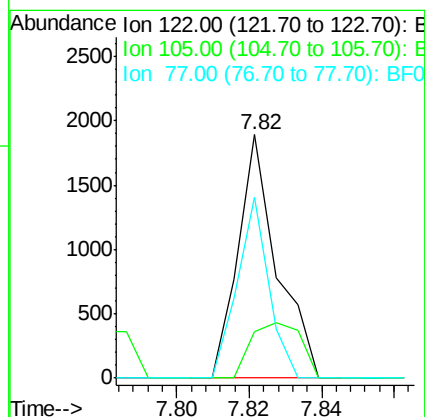
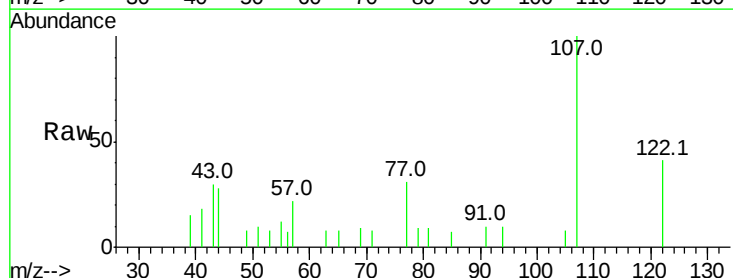
Tgt Ion:122 Resp: 1420

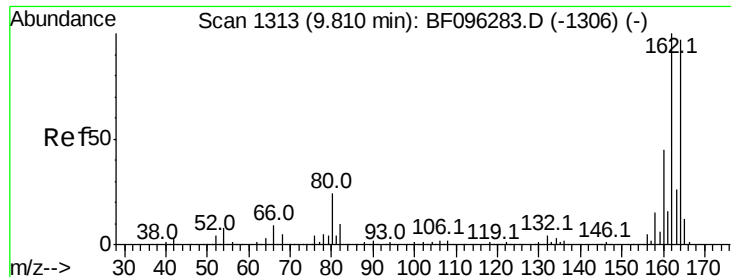
Ion Ratio Lower Upper

122 100

105 18.9 103.3 143.3#

77 74.5 73.7 113.7

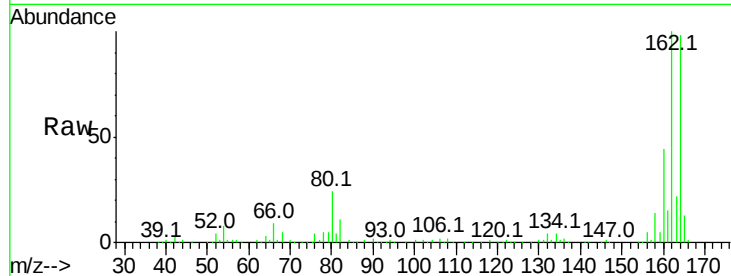




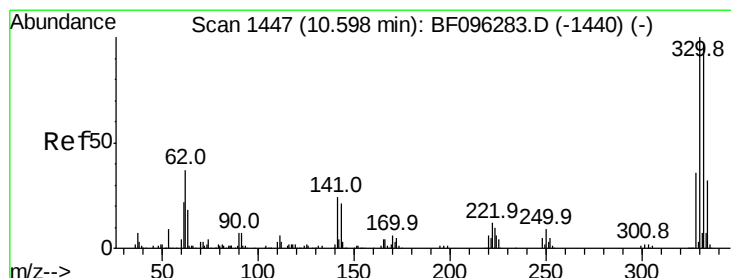
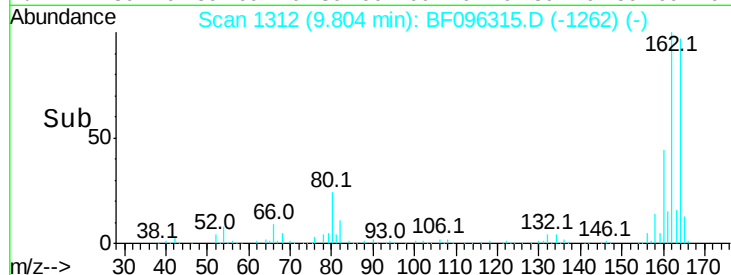
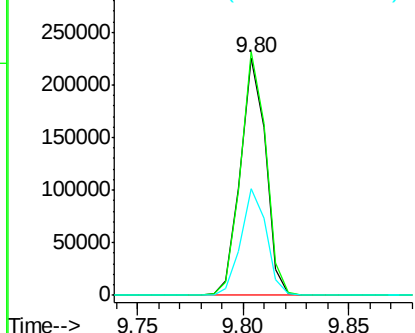
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 186043
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 45.1 36.2 54.2

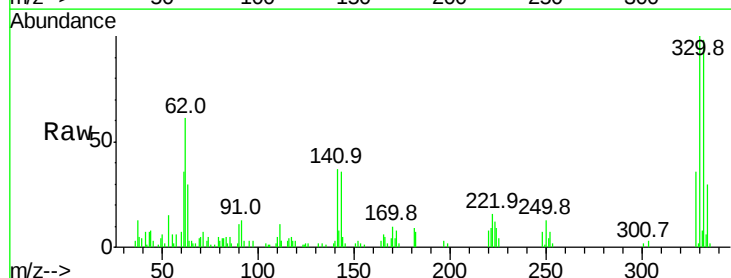


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

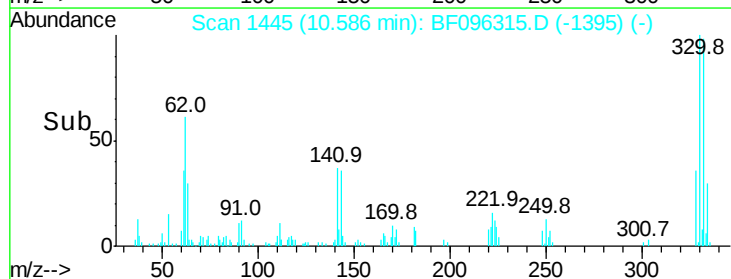
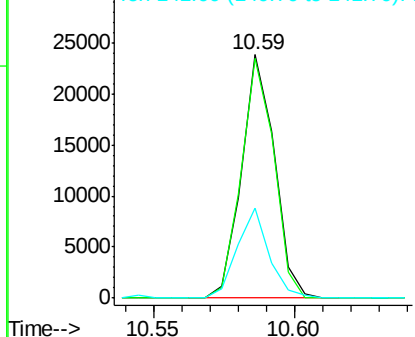


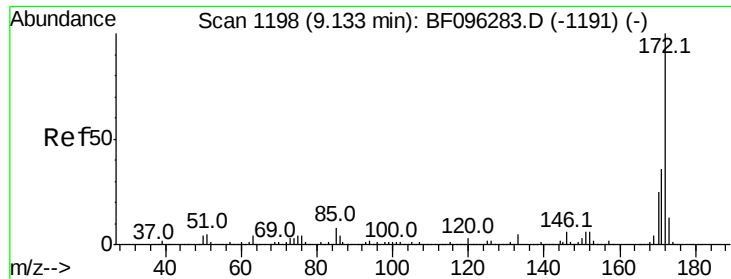
#41
2,4,6-Tribromophenol
Concen: 13.15 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

Tgt Ion:330 Resp: 19260
Ion Ratio Lower Upper
330 100
332 97.6 76.6 115.0
141 36.0 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

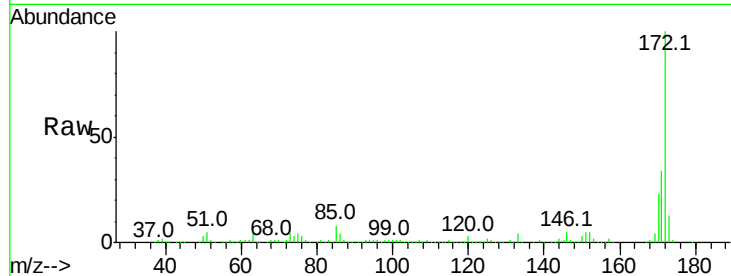




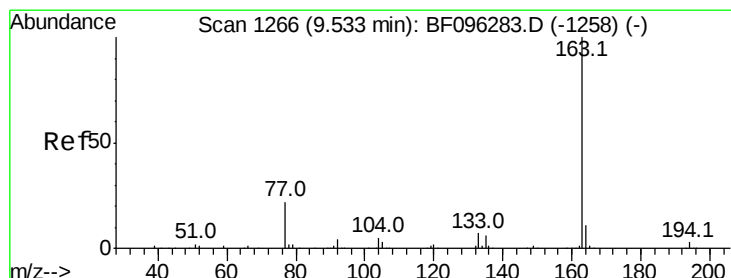
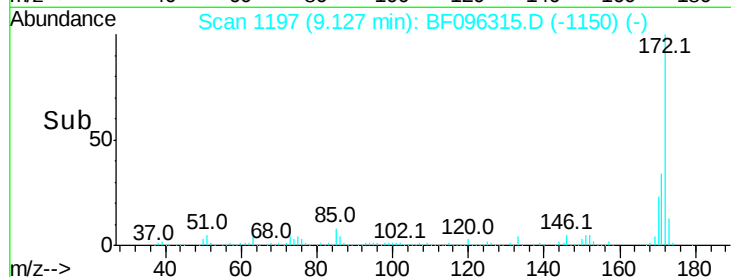
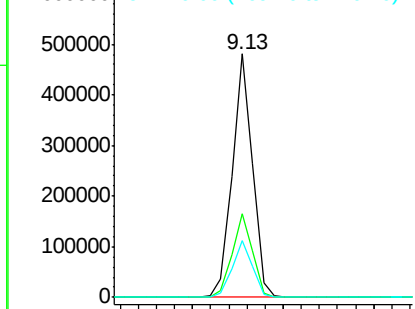
#44
2-Fluorobiphenyl
Concen: 36.73 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	23.1	19.8	29.8

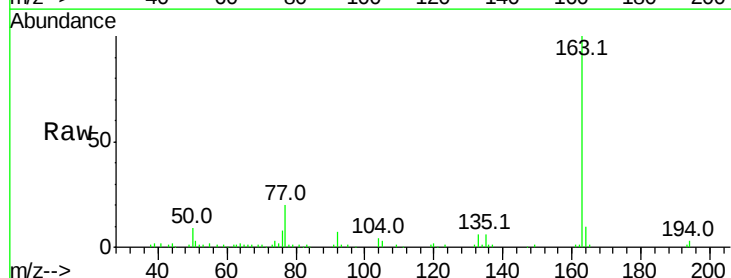


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

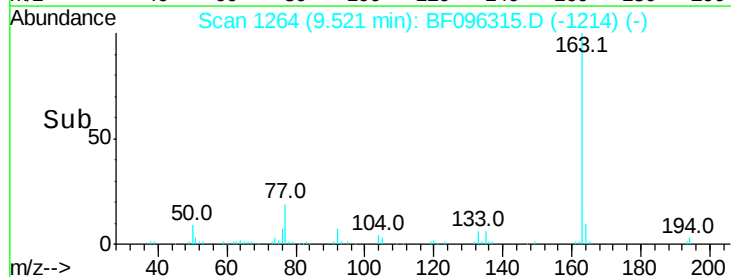
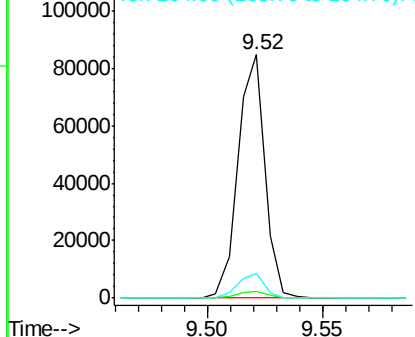


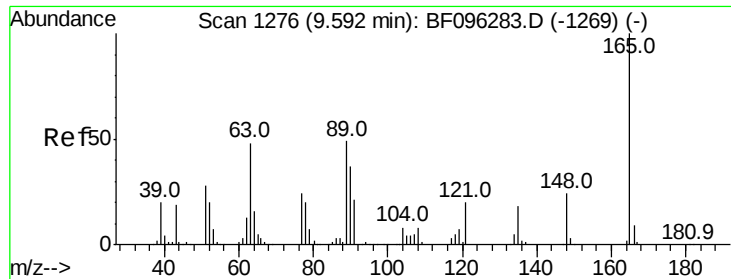
#49
Dimethylphthalate
Concen: 5.17 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.1	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

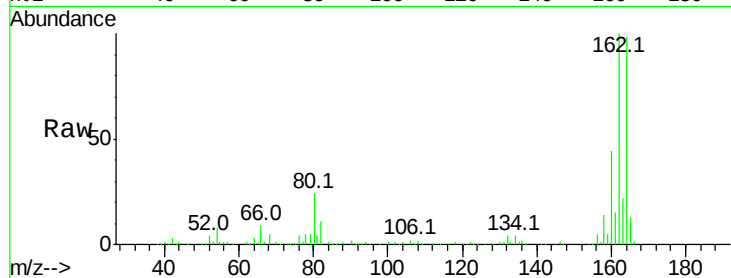




#50
2,6-Dinitrotoluene
Concen: 8.90 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.19 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

Instrument :
BNA_F
ClientSampleId :

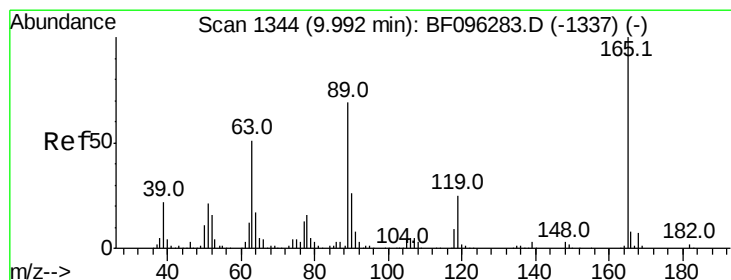
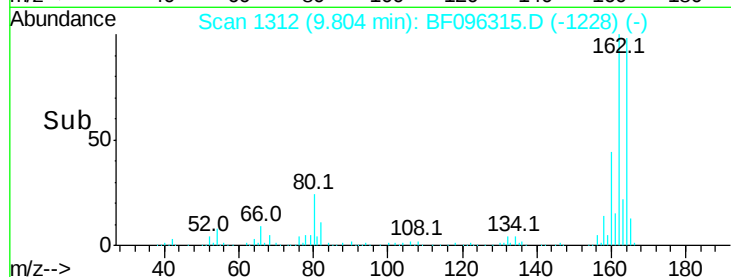
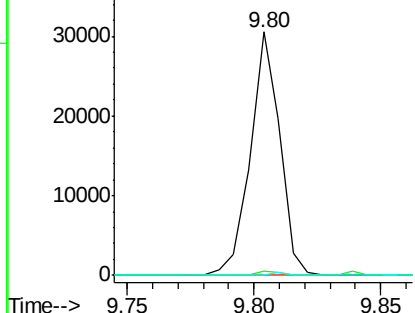
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	0.0	37.1	55.7#



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: 7.06 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.21 min
Lab File: BF096315.D
Acq: 30 Jun 2017 2:06

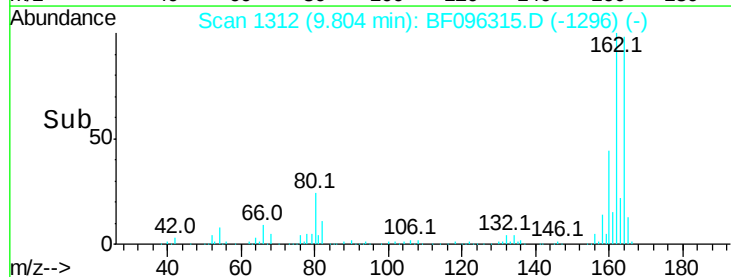
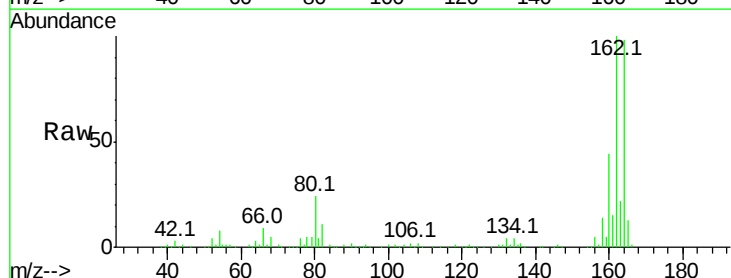
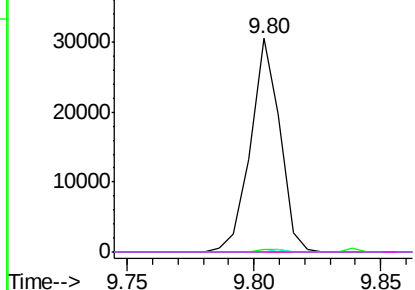
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

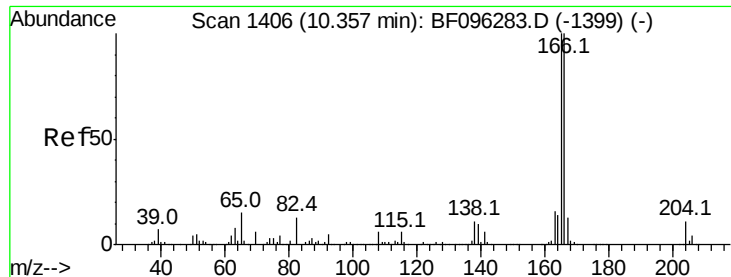
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.35 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :

BNA_F

ClientSampleId :

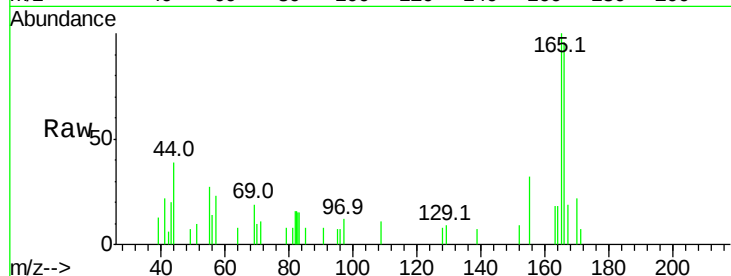
Tot Ion:166 Resp: 3577

Ion Ratio Lower Upper

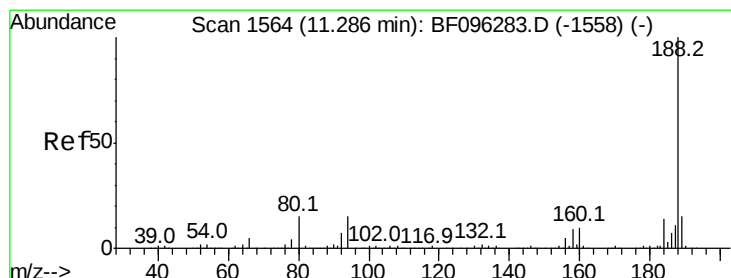
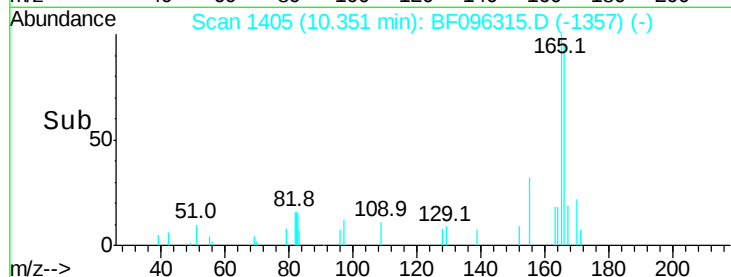
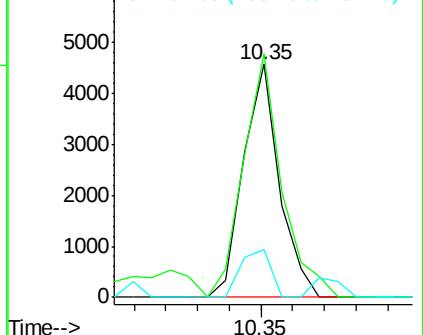
166 100

165 104.5 78.8 118.2

167 20.2 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# 1564

Delta R.T. -0.00 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

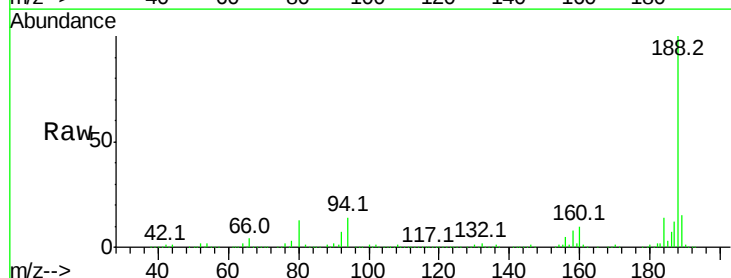
Tgt Ion:188 Resp: 291286

Ion Ratio Lower Upper

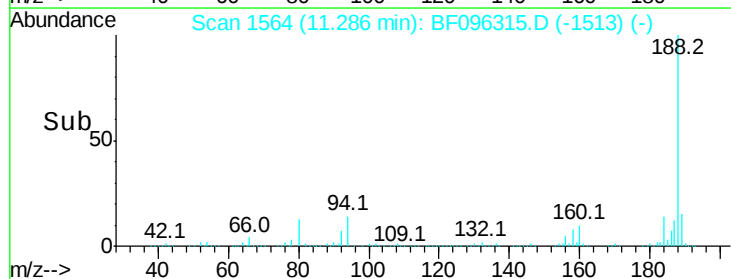
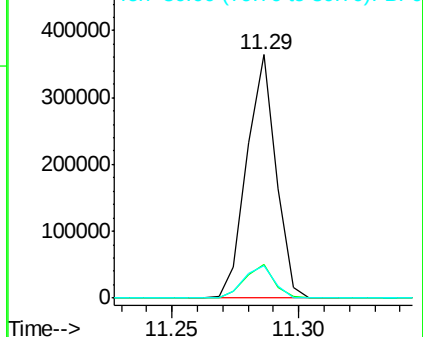
188 100

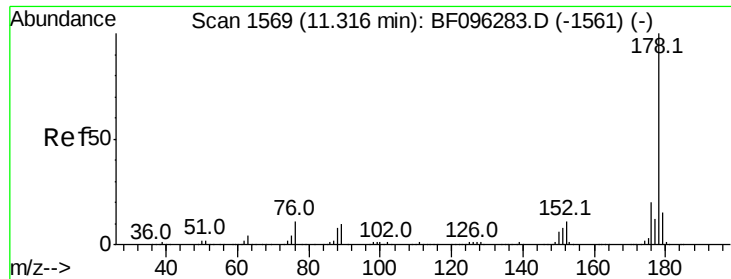
94 13.9 9.4 14.2

80 13.4 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: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

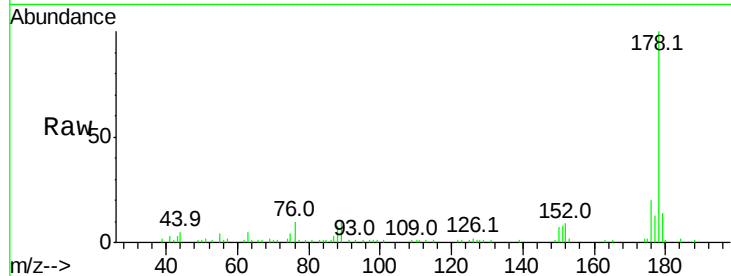
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 42166

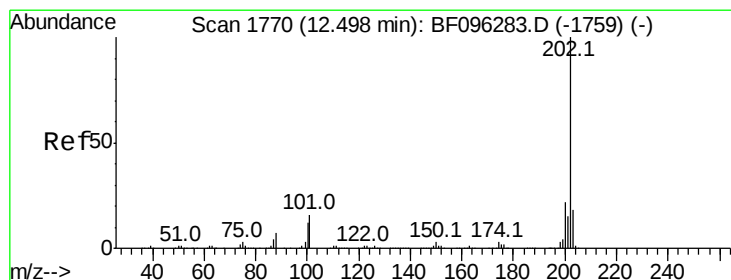
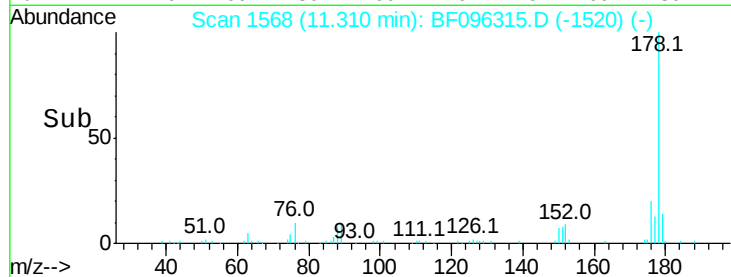
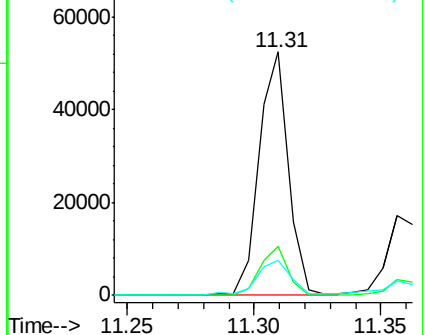
Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	14.5	12.6	19.0



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



#74

Fluoranthene

Concen: 4.57 ng

RT: 12.49 min Scan# 1769

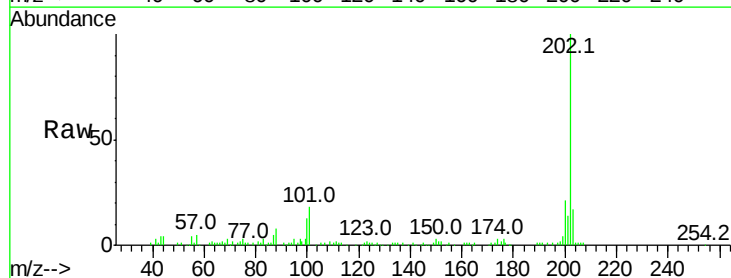
Delta R.T. -0.00 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Tgt Ion:202 Resp: 73975

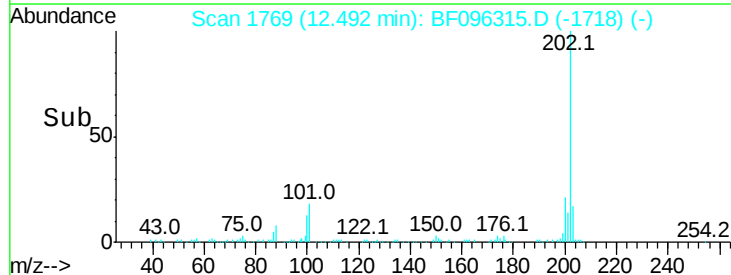
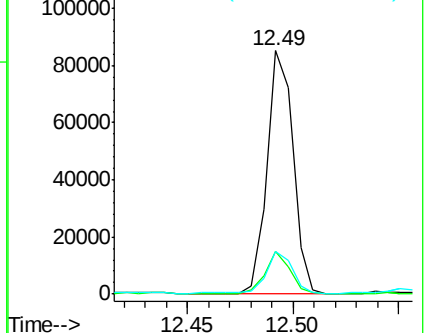
Ion	Ratio	Lower	Upper
202	100		
101	17.7	0.0	33.2
203	17.4	0.0	38.1

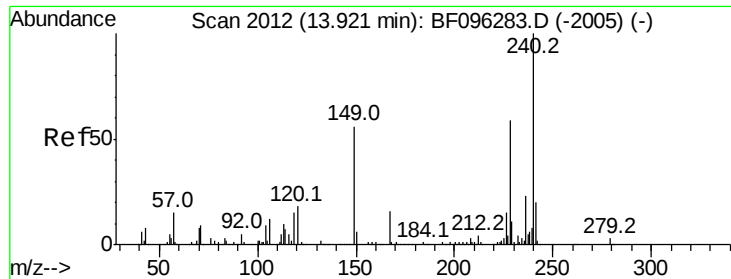


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :

BNA_F

ClientSampleId :

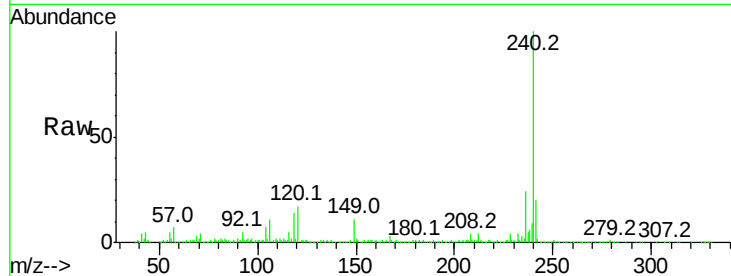
Tot Ion:240 Resp: 278397

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

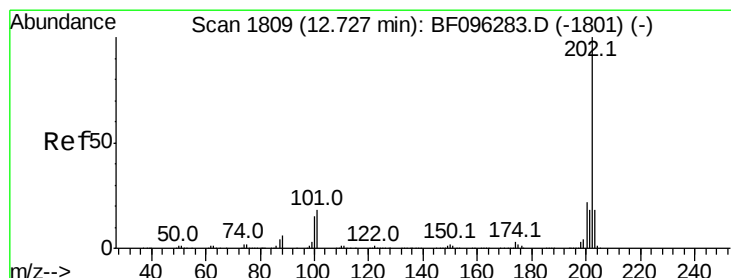
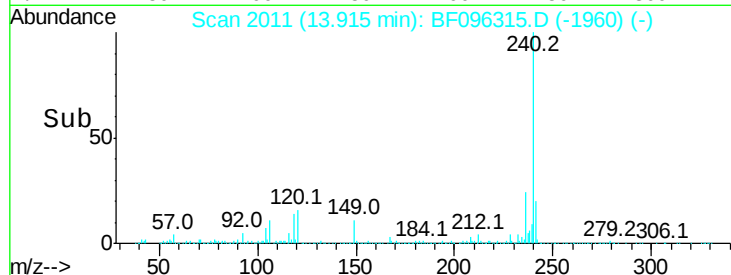
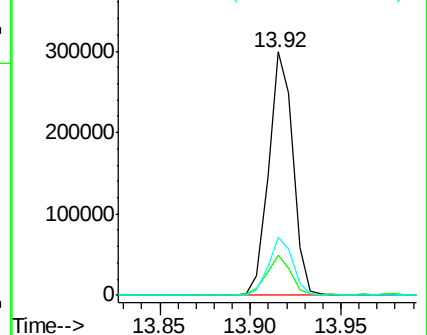
236 23.8 20.5 30.7



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

Pyrene

Concen: 3.19 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

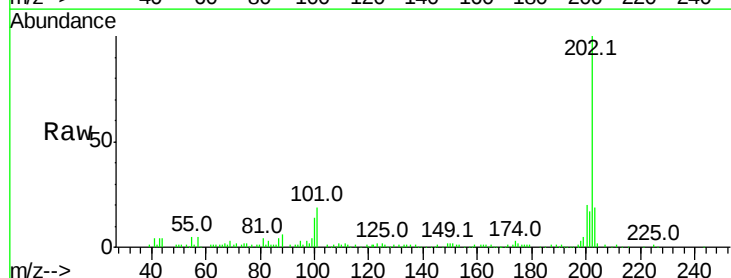
Tgt Ion:202 Resp: 72953

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

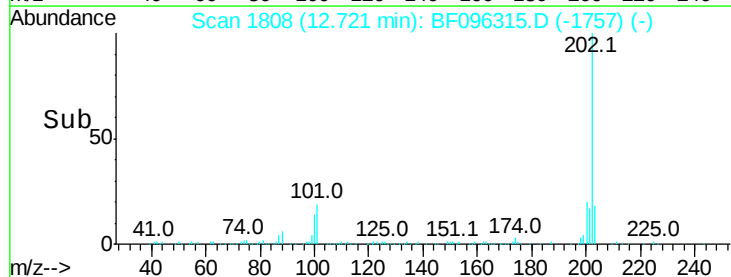
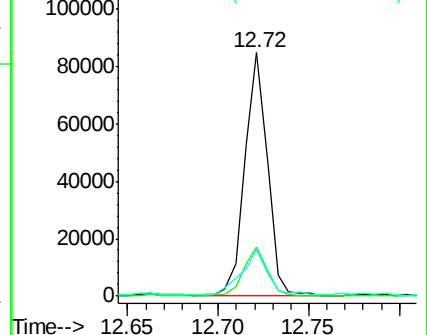
203 18.9 14.4 21.6

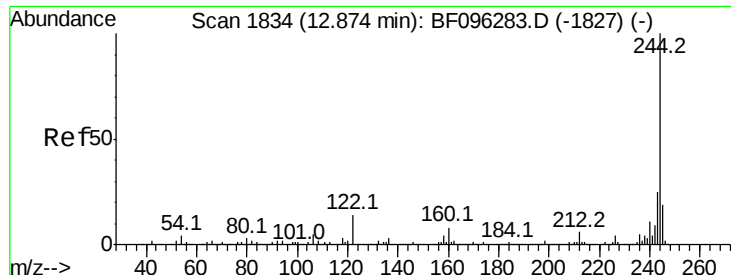


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 25.97 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :

BNA_F

ClientSampleId :

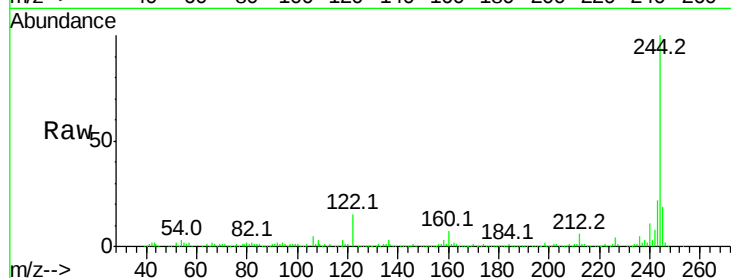
Tot Ion:244 Resp: 289704

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

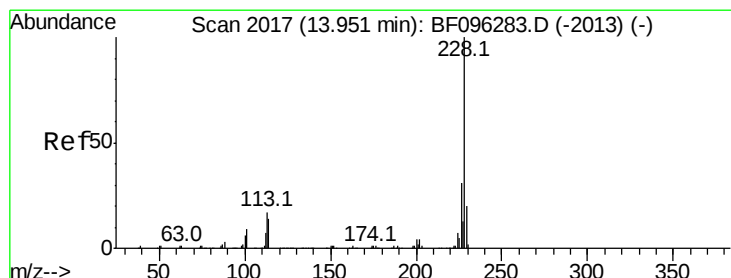
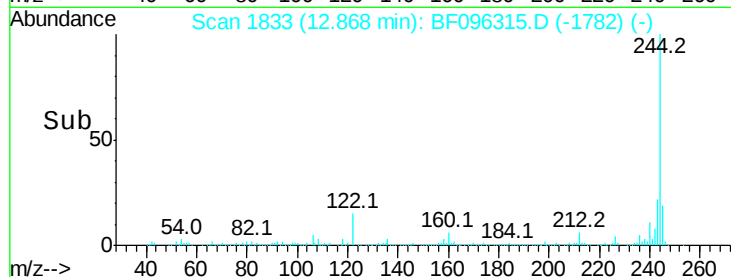
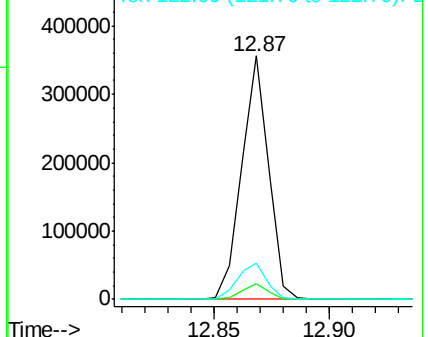
122 14.9 10.3 15.5



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



#82

Chrysene

Concen: 2.06 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

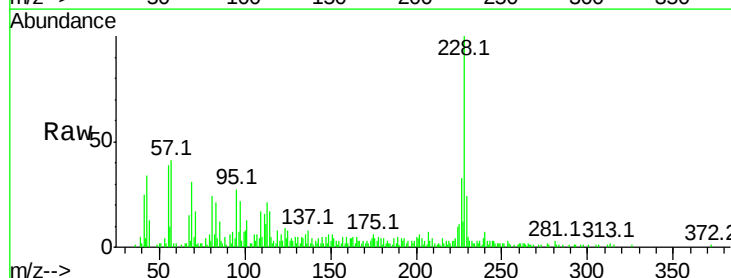
Tgt Ion:228 Resp: 36070

Ion Ratio Lower Upper

228 100

226 32.7 24.9 37.3

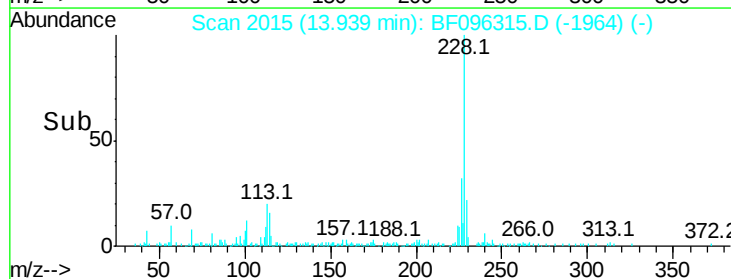
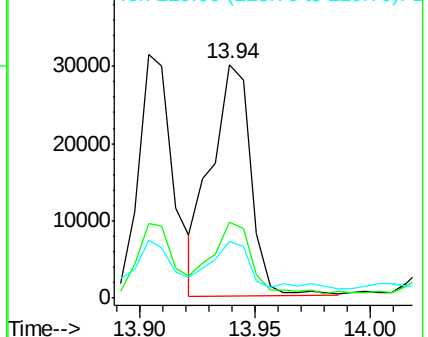
229 24.5 15.8 23.6#

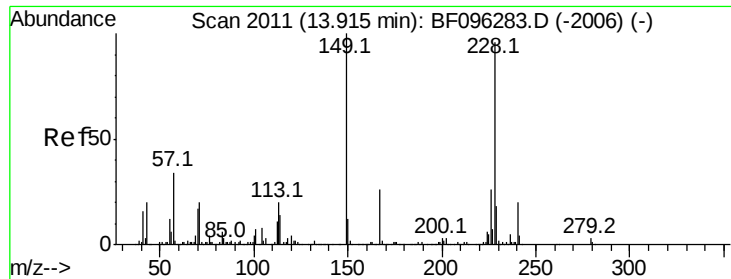


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.03 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :

BNA_F

ClientSampleId :

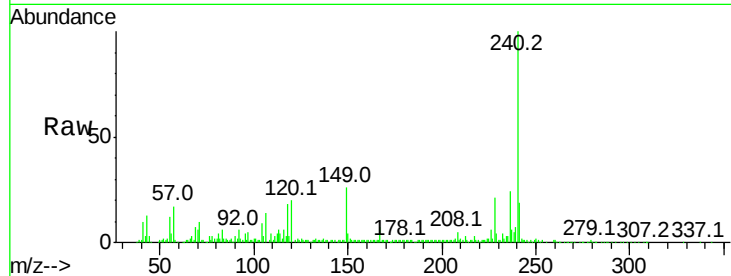
Tot Ion:149 Resp: 34564

Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

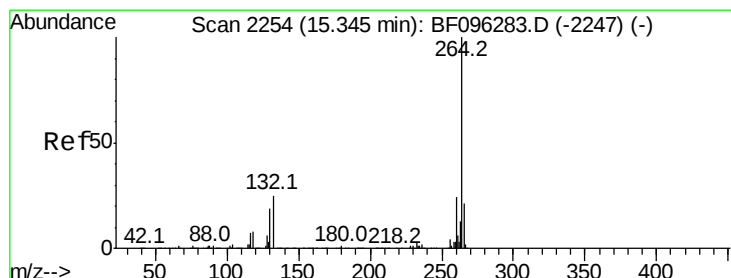
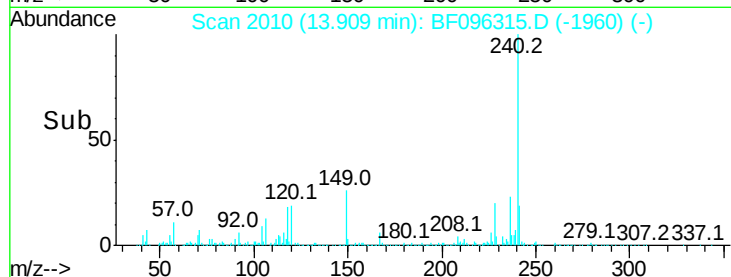
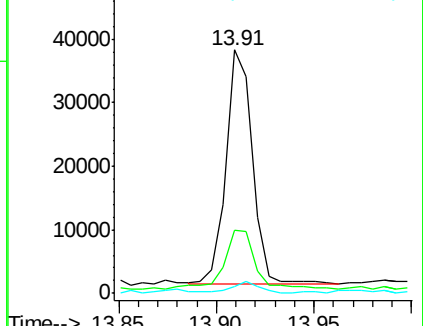
279 3.1 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

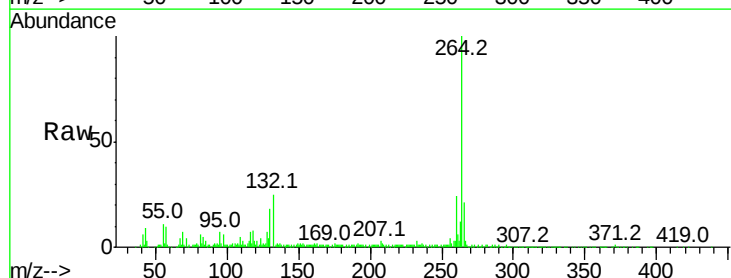
Tgt Ion:264 Resp: 190033

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

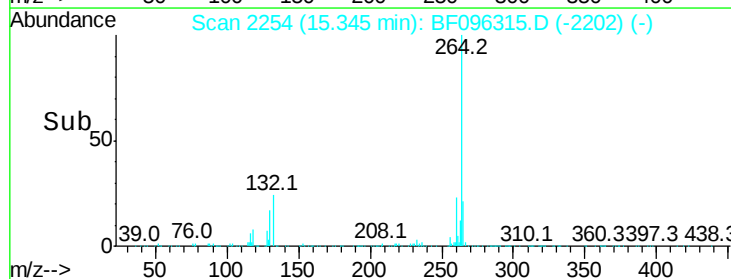
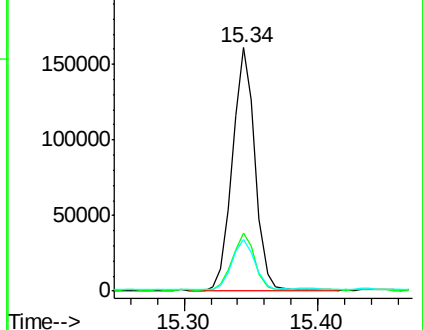
265 21.3 17.2 25.8

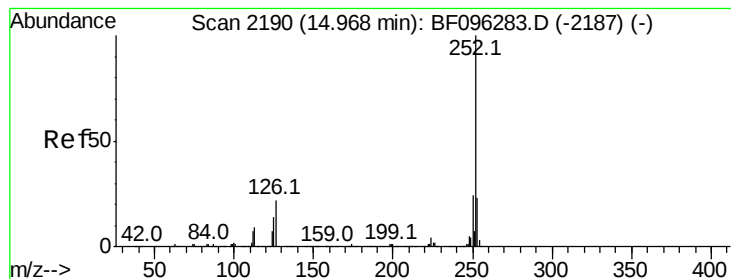


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.02 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

Instrument :

BNA_F

ClientSampleId :

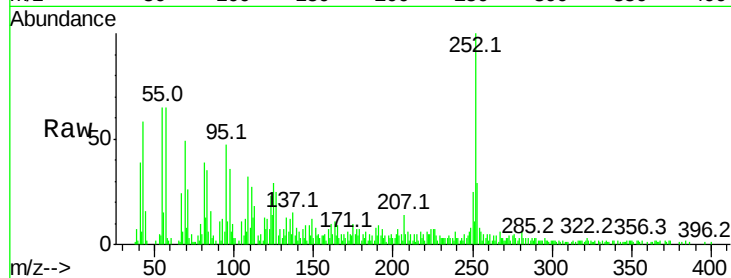
Tot Ion:252 Resp: 50240

Ion Ratio Lower Upper

252 100

253 29.0 18.1 27.1#

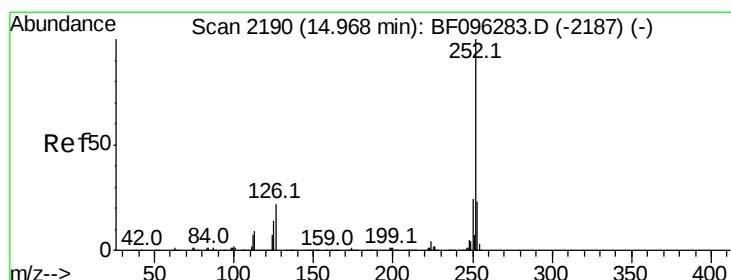
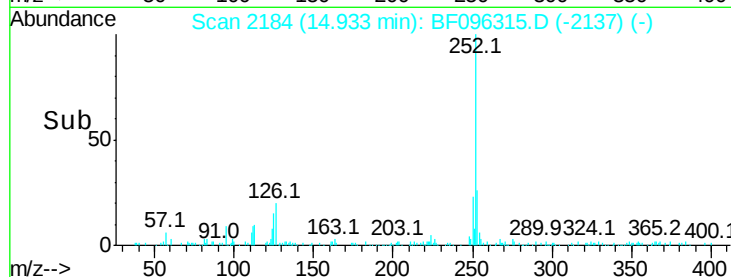
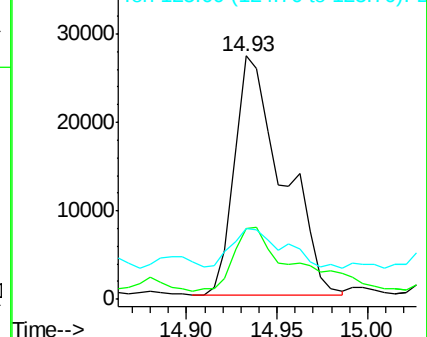
125 28.9 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 4.41 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096315.D

Acq: 30 Jun 2017 2:06

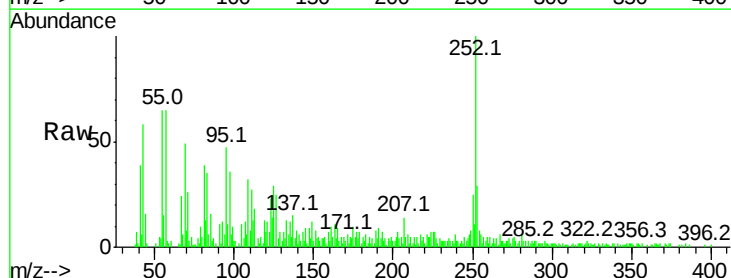
Tgt Ion:252 Resp: 50240

Ion Ratio Lower Upper

252 100

253 29.0 18.4 27.6#

125 28.9 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

