

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096349.D
 Acq On : 30 Jun 2017 21:16
 Operator : SJ/MA
 Sample : I3908-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 23:17:15 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

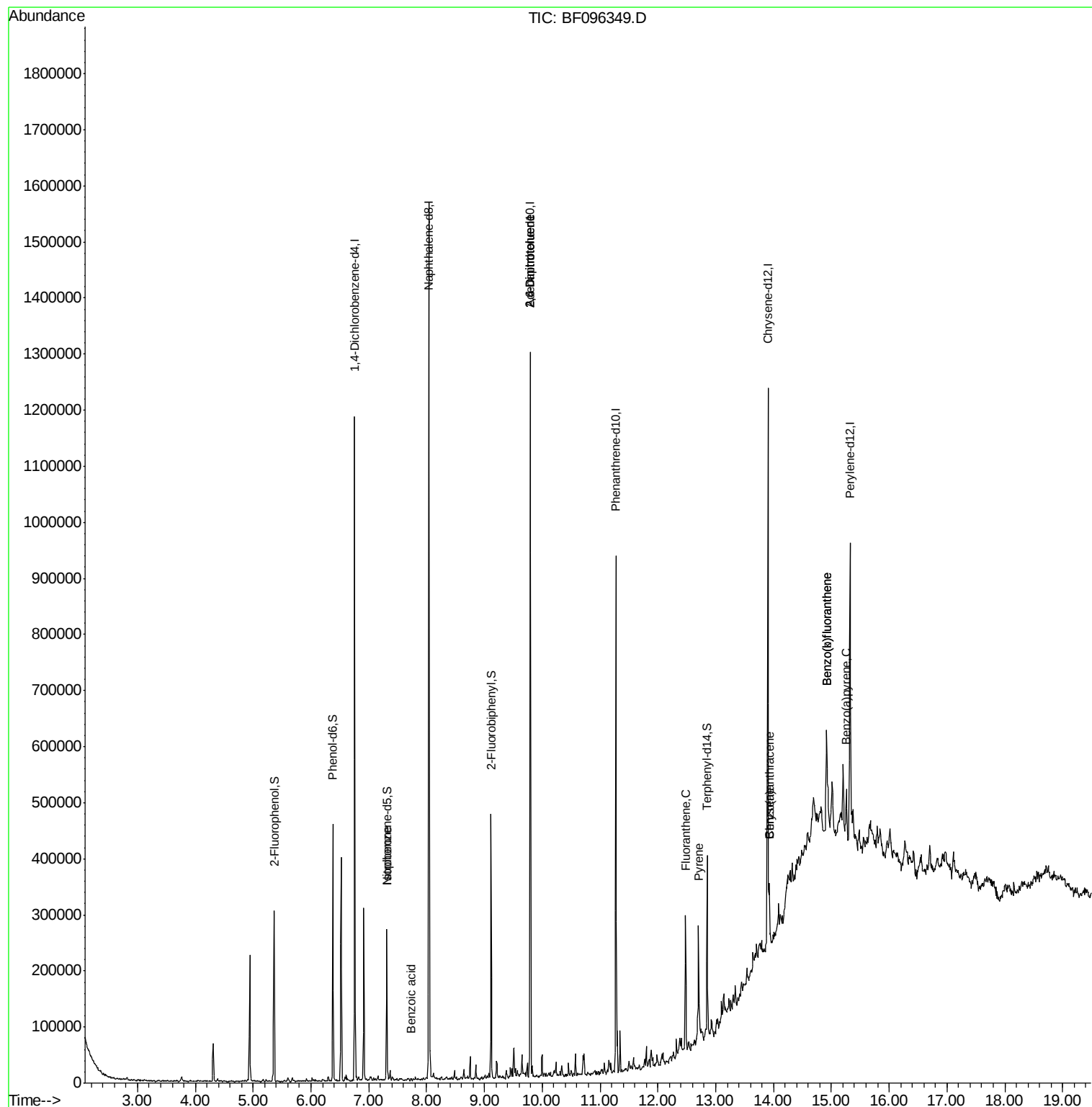
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	162058	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	642361	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	240074	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	325555	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	329753	20.00	ng	-0.01
86) Perylene-d12	15.32	264	252728	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	83506	7.42	ng	-0.02
7) Phenol-d6	6.38	99	131080	9.62	ng	-0.01
23) Nitrobenzene-d5	7.31	82	69127	7.45	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	2989	1.58	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	128785	9.82	ng	-0.03
78) Terphenyl-d14	12.85	244	83830	6.34	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.29	77	608	Below Cal	#	46
25) Isophorone	7.31	82	69126	3.28	ng	# 67
32) Benzoic acid	7.73	122	122	8.80	ng	94
50) 2,6-Dinitrotoluene	9.79	165	31331	8.77	ng	# 34
56) 2,4-Dinitrotoluene	9.79	165	31331	6.96	ng	# 33
57) Fluorene	10.34	166	4316	Below Cal	#	96
70) Phenanthrene	11.29	178	28302	Below Cal		96
74) Fluoranthene	12.48	202	79340	4.39	ng	97
77) Pyrene	12.70	202	82034	3.03	ng	97
80) Benzo(a)anthracene	13.93	228	54155	2.69	ng	94
82) Chrysene	13.93	228	54155	2.60	ng	97
87) Benzo(b)fluoranthene	14.92	252	115493	6.96	ng	# 90
88) Benzo(k)fluoranthene	14.92	252	115493	7.62	ng	# 94
89) Benzo(a)pyrene	15.26	252	38044	2.59	ng	# 80

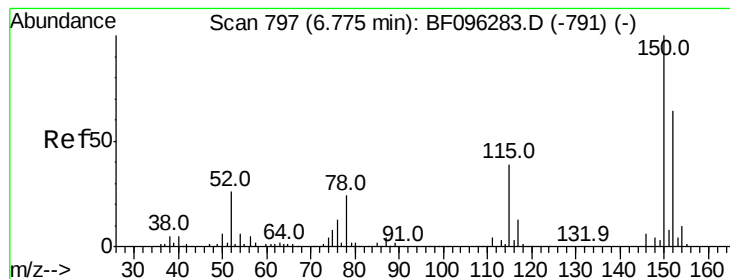
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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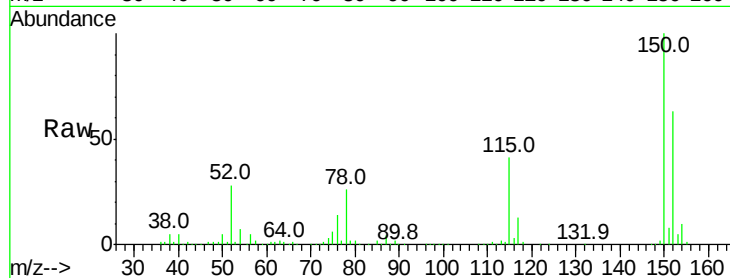


#1

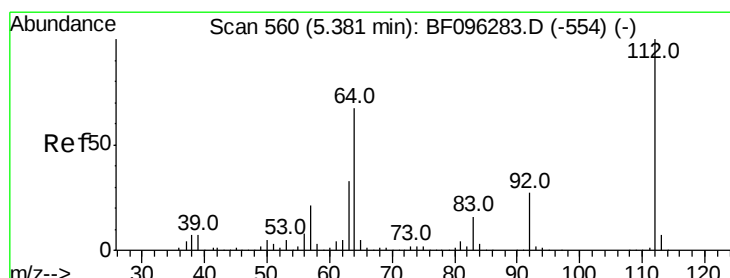
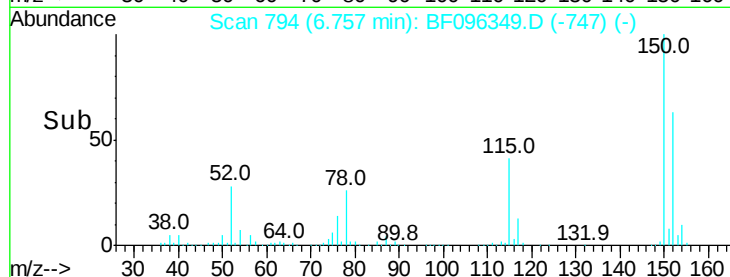
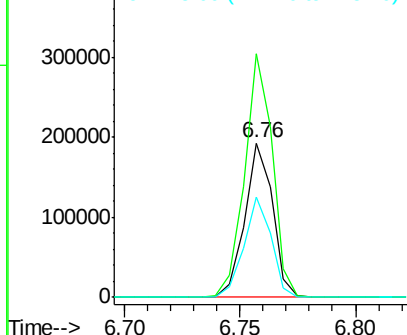
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096349.D
Acq: 30 Jun 2017 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162058
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 64.9 52.2 78.2



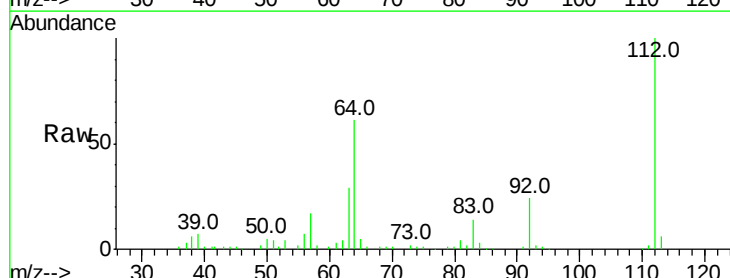
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



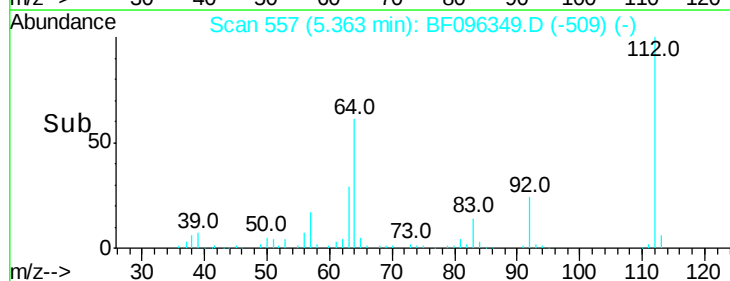
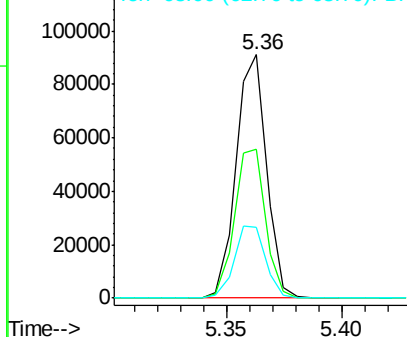
#5

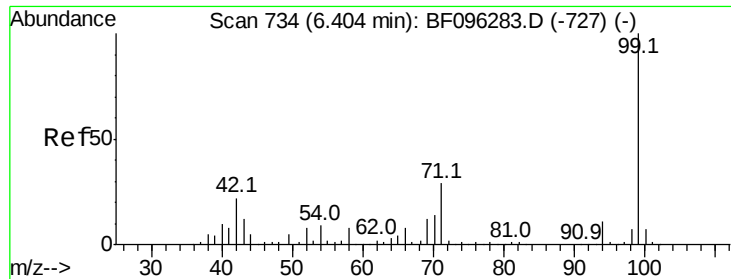
2-Fluorophenol
Concen: 7.42 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF096349.D
Acq: 30 Jun 2017 21:16

Tgt Ion:112 Resp: 83506
Ion Ratio Lower Upper
112 100
64 61.0 46.0 69.0
63 28.9 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: 9.62 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

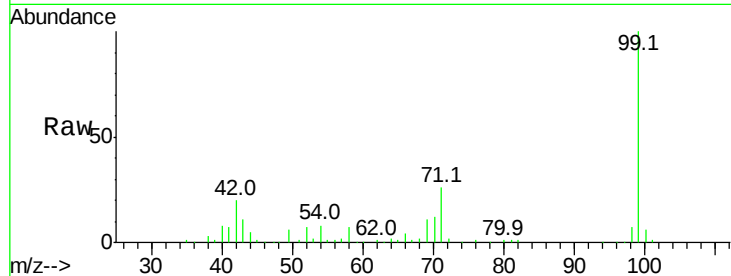
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 131080

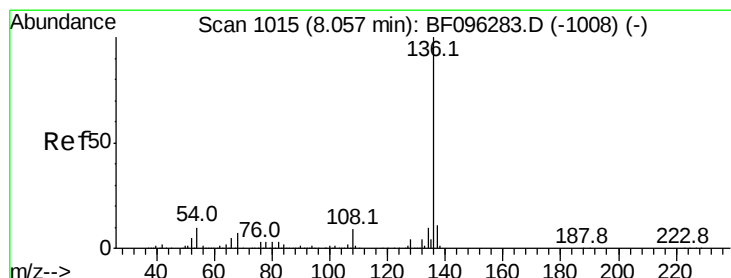
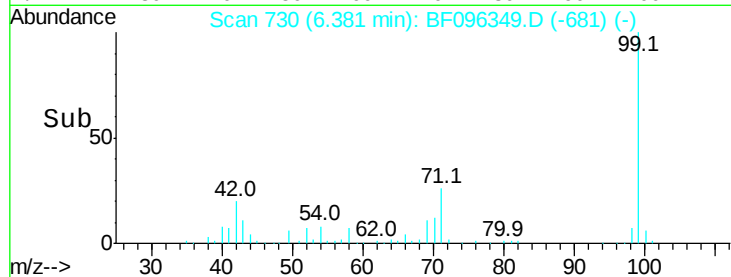
Ion	Ratio	Lower	Upper
99	100		
42	20.3	13.5	20.3
71	26.4	24.5	36.7



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: 8.04 min Scan# 1012

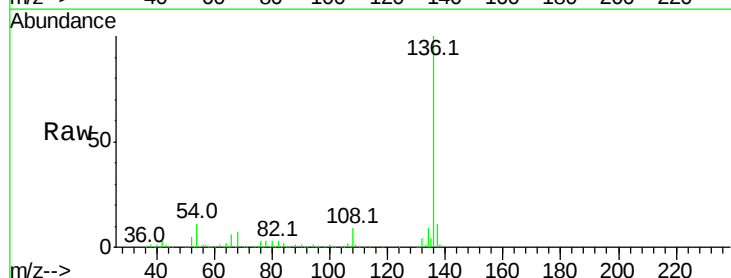
Delta R.T. -0.02 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

Tgt Ion: 136 Resp: 642361

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.3	4.9	7.3#
68	6.8	4.1	6.1#

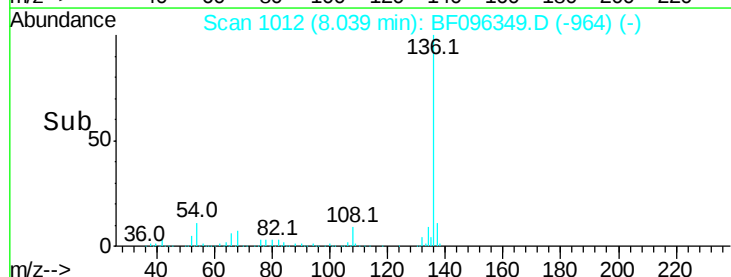


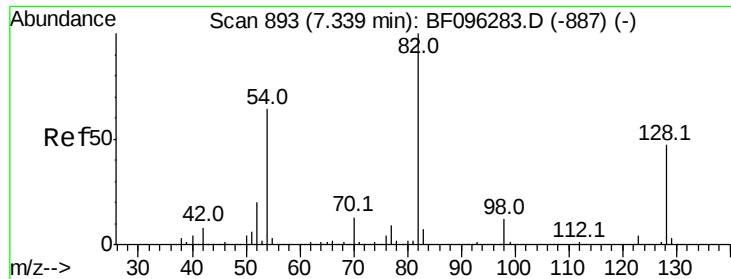
Abundance Ion 136.00 (135.70 to 136.70): E

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

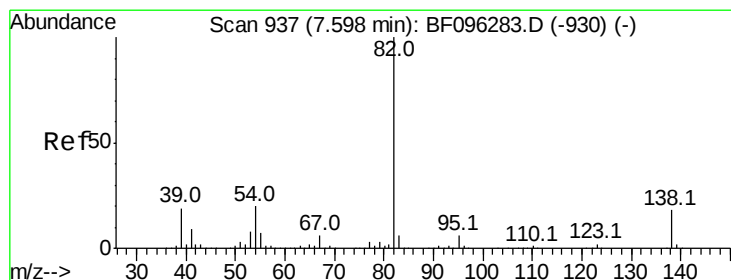
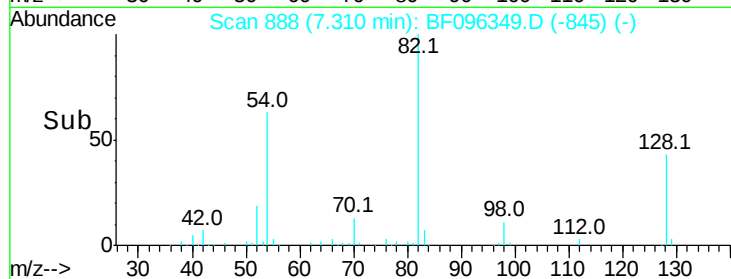
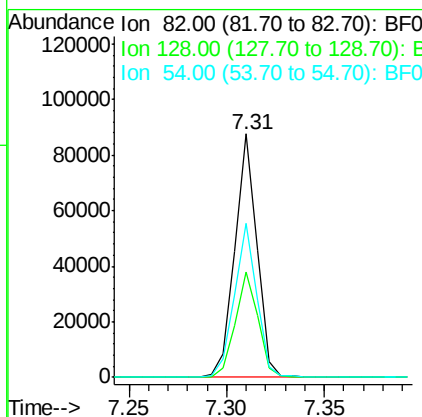
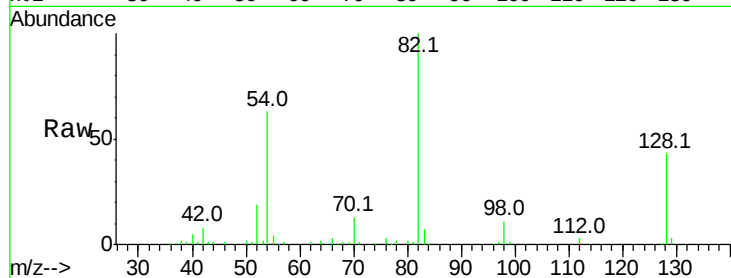




#23
 Nitrobenzene-d5
 Concen: 7.45 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.05 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

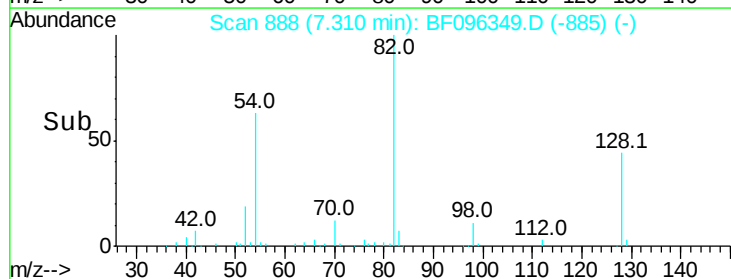
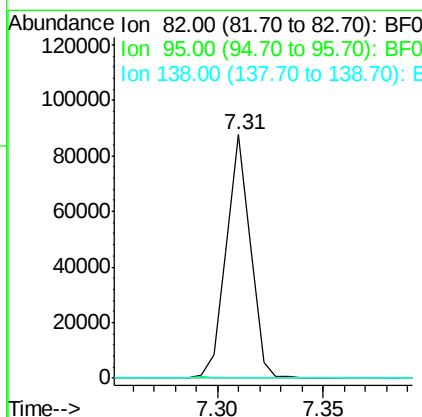
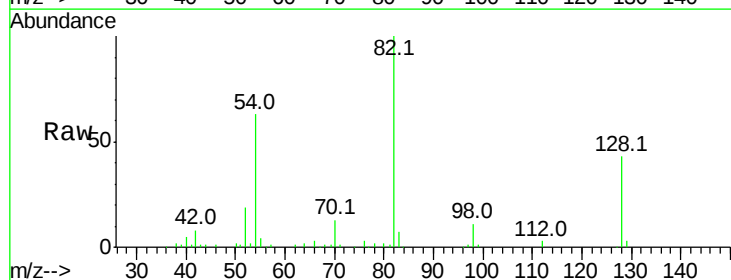
Instrument :
 BNA_F
 ClientSampled :

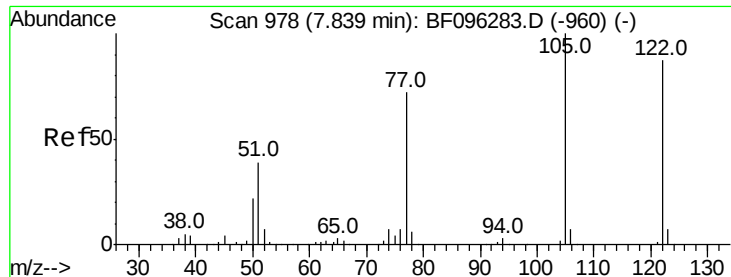
Tot Ion	82	Resp	69127
Ion Ratio	100	Lower	Upper
128	43.3	34.0	51.0
54	63.4	42.2	63.2#



#25
 Isophorone
 Concen: 3.28 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

Tgt Ion	82	Resp	69126
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#32

Benzoic acid

Concen: 8.80 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.16 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

Instrument :

BNA_F

ClientSampled :

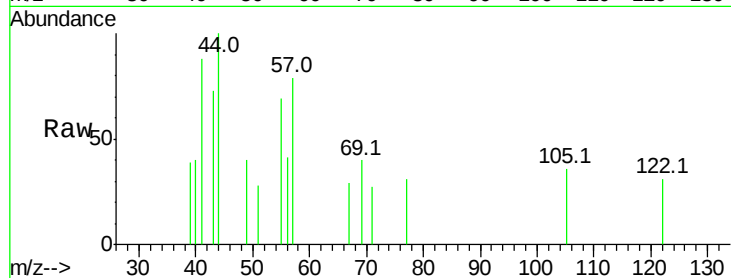
Tot Ion:122 Resp: 122

Ion Ratio Lower Upper

122 100

105 117.4 103.3 143.3

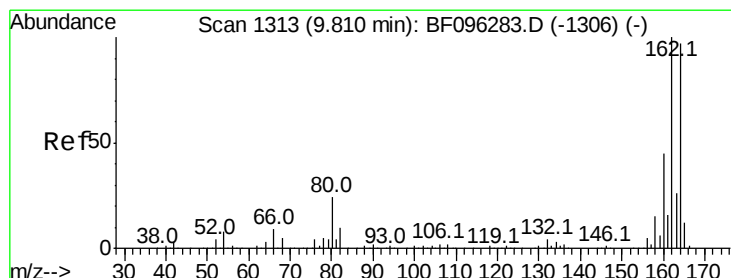
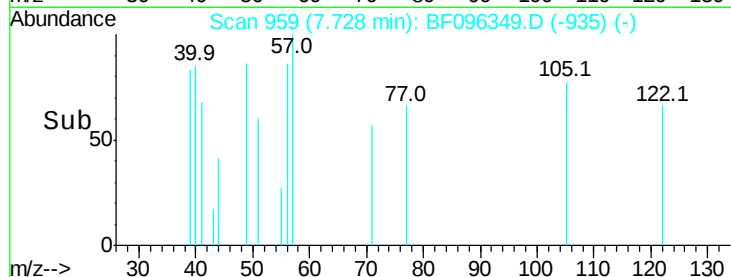
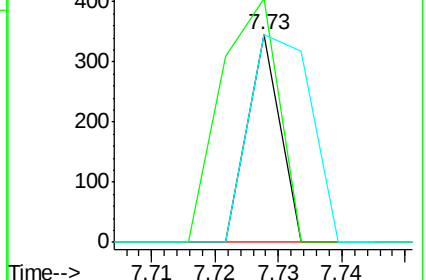
77 100.0 73.7 113.7



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: 9.79 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

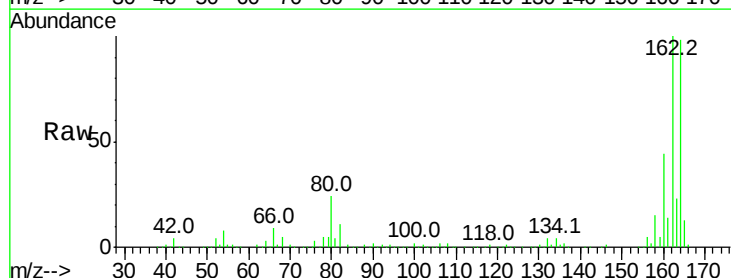
Tgt Ion:164 Resp: 240074

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

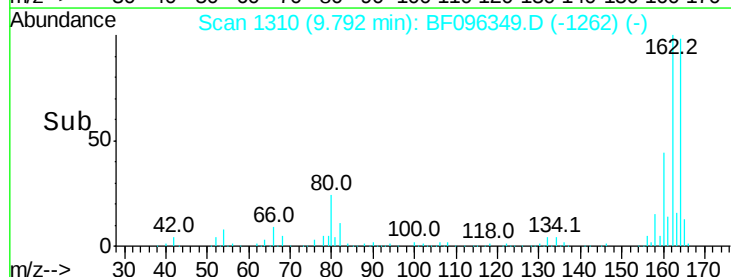
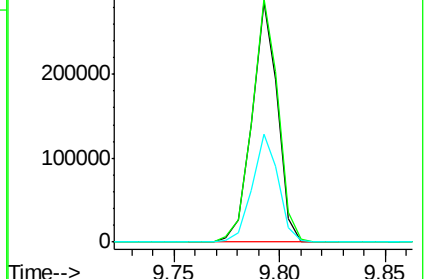
160 44.9 36.2 54.2

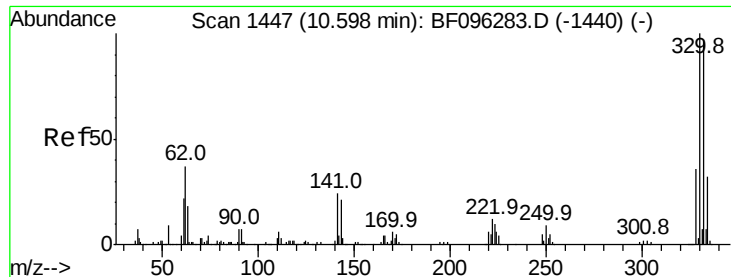


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

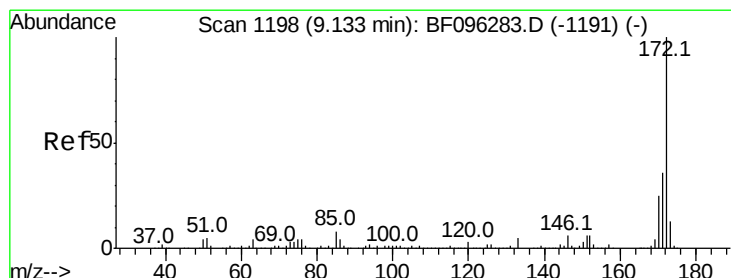
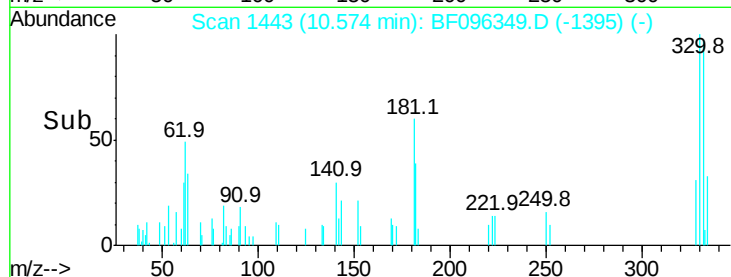
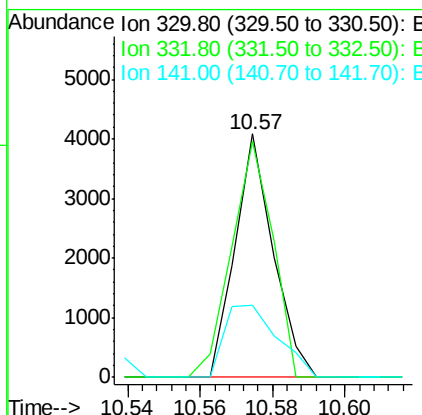
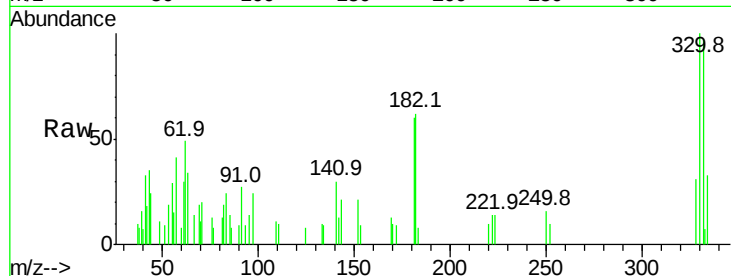




#41
 2,4,6-Tribromophenol
 Concen: 1.58 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

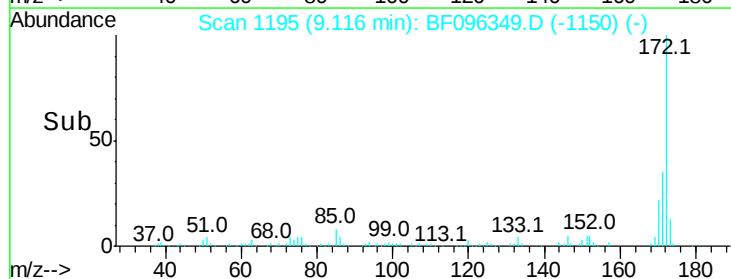
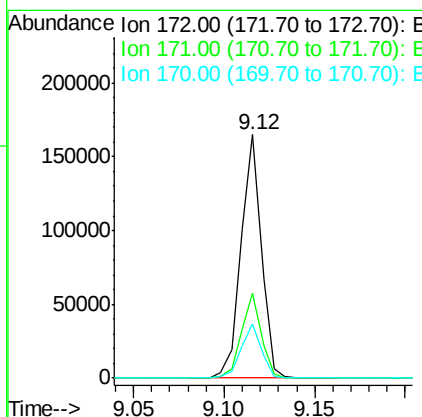
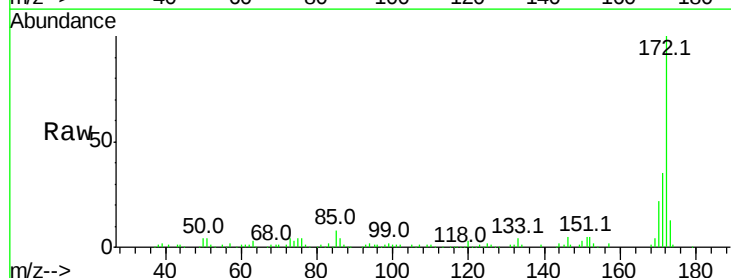
Instrument :
 BNA_F
 ClientSampleId :

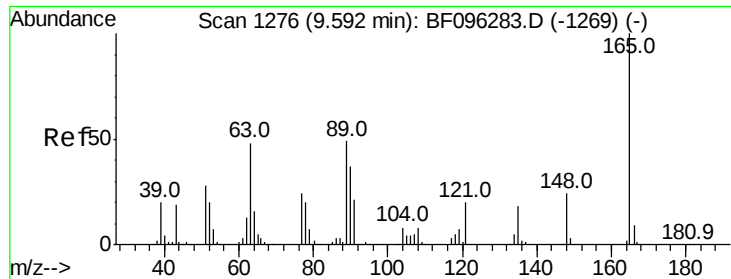
Tot Ion:330 Resp: 2989
 Ion Ratio Lower Upper
 330 100
 332 104.2 76.6 115.0
 141 41.8 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 9.82 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

Tgt Ion:172 Resp: 128785
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 22.3 19.8 29.8

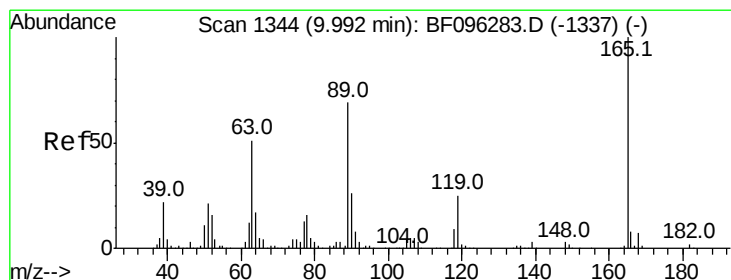
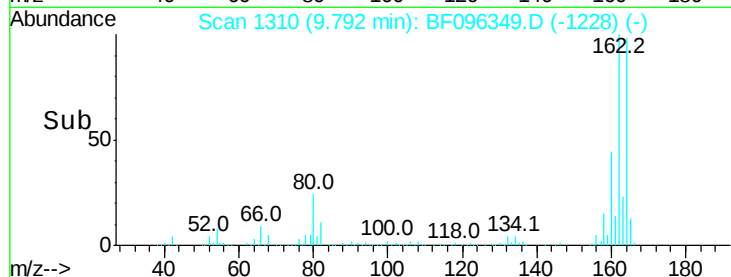
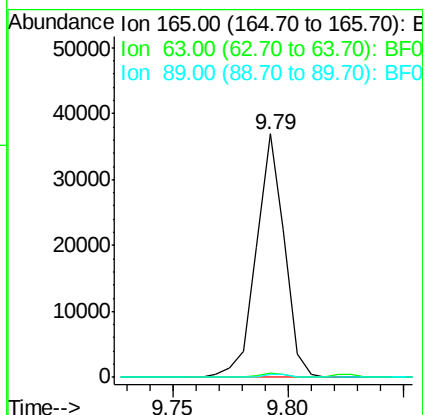
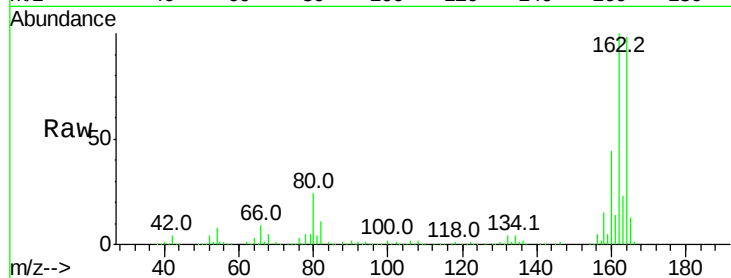




#50
 2,6-Dinitrotoluene
 Concen: 8.77 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.18 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

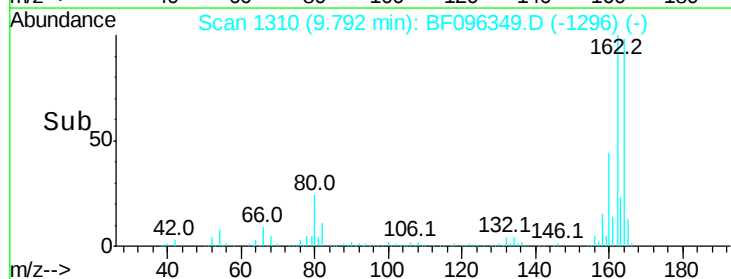
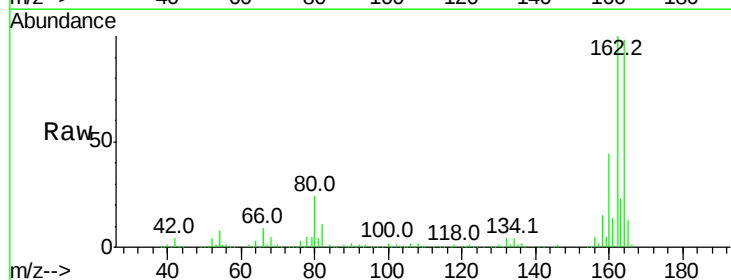
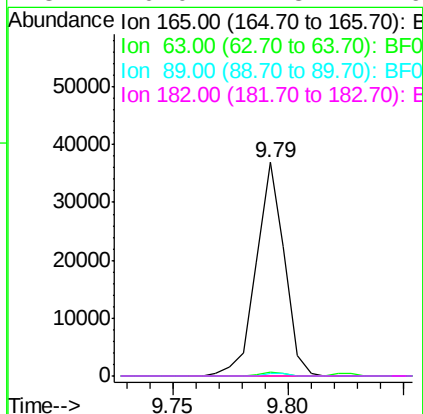
Instrument :
 BNA_F
 ClientSampleId :

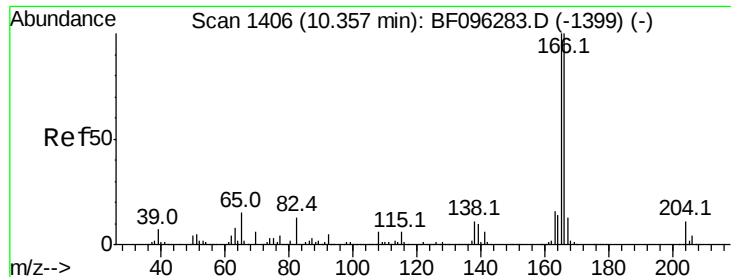
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.3	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.22 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#

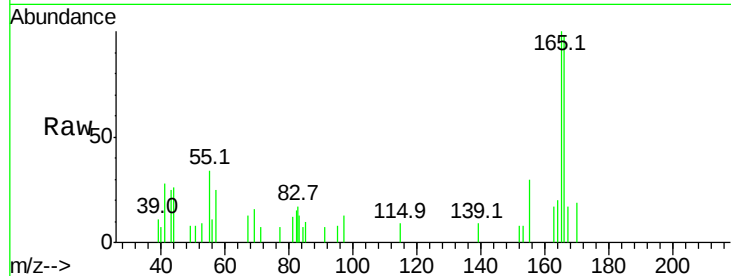




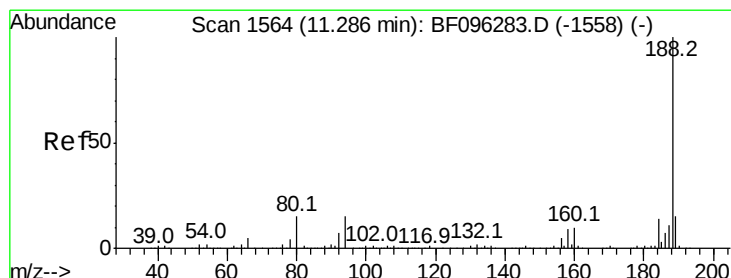
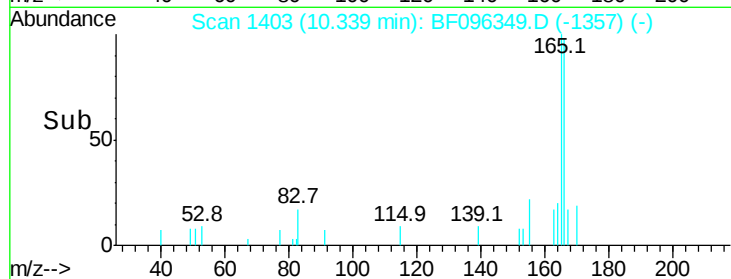
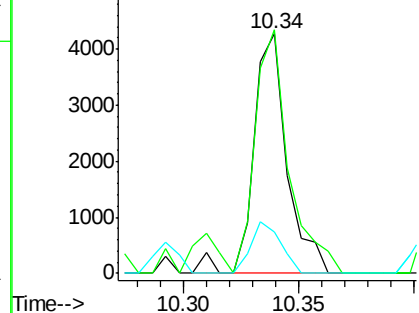
#57
 Fluorene
 Concen: Below Cal
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.03 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 4316
 Ion Ratio Lower Upper
 166 100
 165 101.7 78.8 118.2
 167 17.5 10.6 16.0#

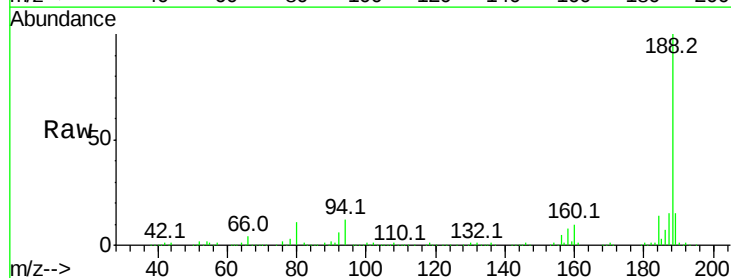


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

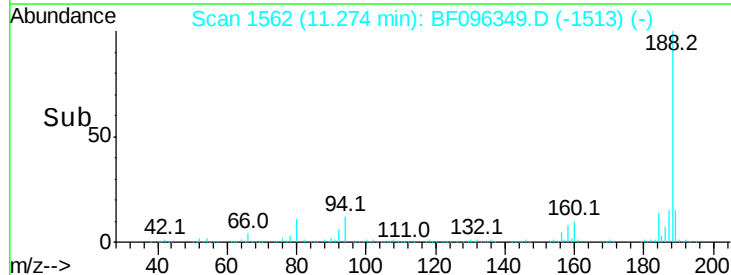
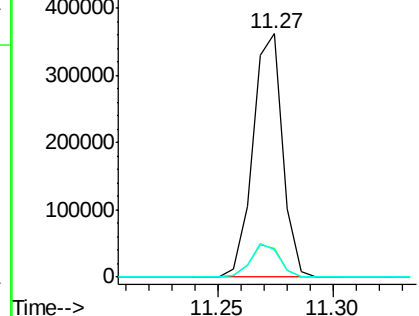


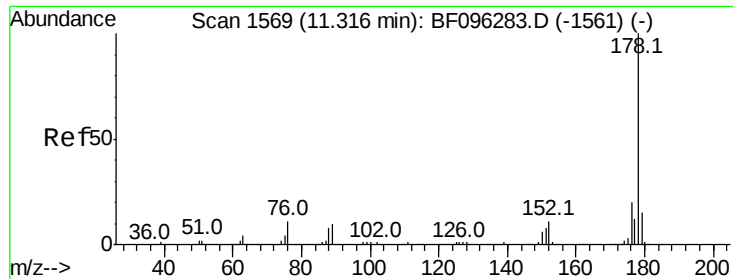
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: BF096349.D
 Acq: 30 Jun 2017 21:16

Tgt Ion:188 Resp: 325555
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 11.0 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

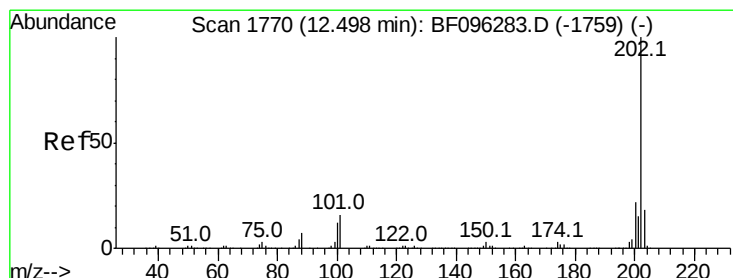
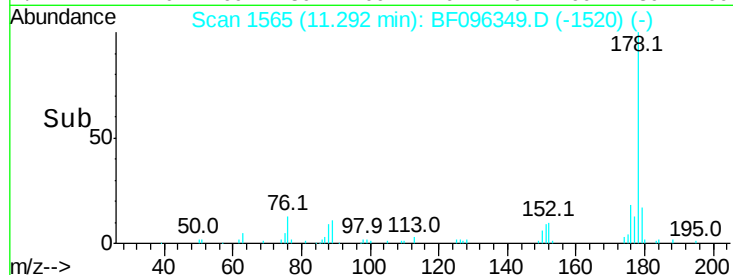
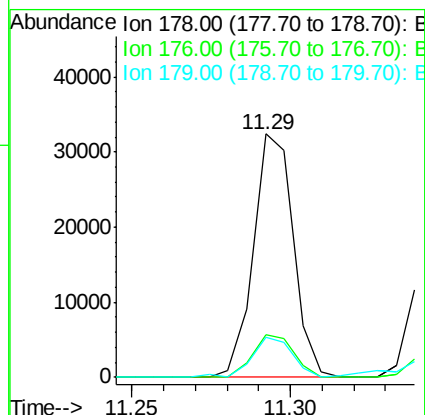
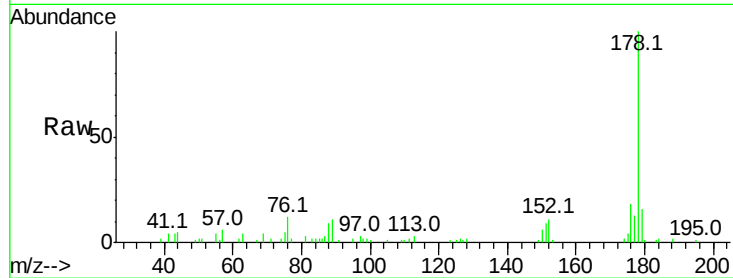




#70
Phenanthrene
Concen: Below Cal
RT: 11.29 min Scan# 1565
Delta R.T. -0.03 min
Lab File: BF096349.D
Acq: 30 Jun 2017 21:16

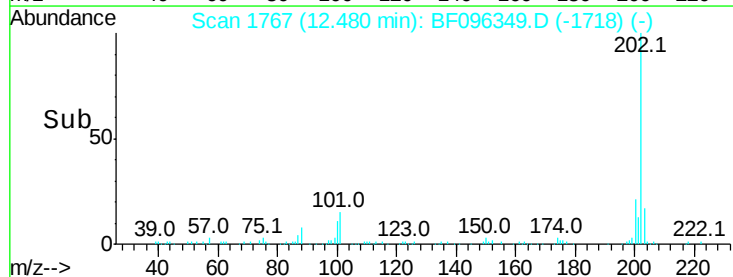
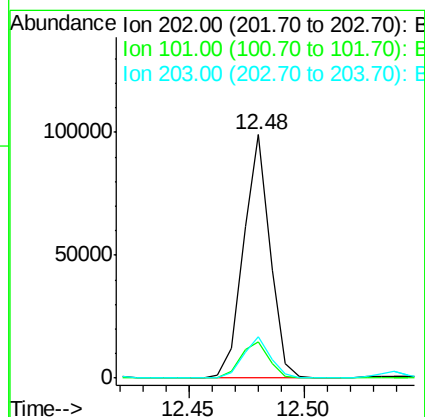
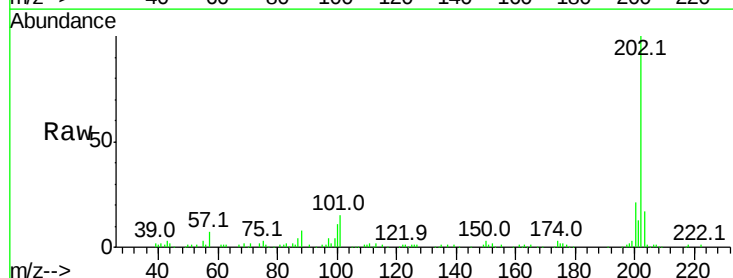
Instrument :
BNA_F
ClientSampleId :

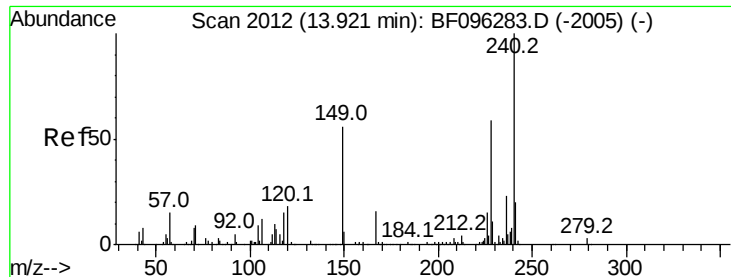
Tot Ion:178 Resp: 28302
Ion Ratio Lower Upper
178 100
176 17.7 16.2 24.4
179 16.4 12.6 19.0



#74
Fluoranthene
Concen: 4.39 ng
RT: 12.48 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BF096349.D
Acq: 30 Jun 2017 21:16

Tgt Ion:202 Resp: 79340
Ion Ratio Lower Upper
202 100
101 14.8 0.0 33.2
203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

Instrument :

BNA_F

ClientSampled :

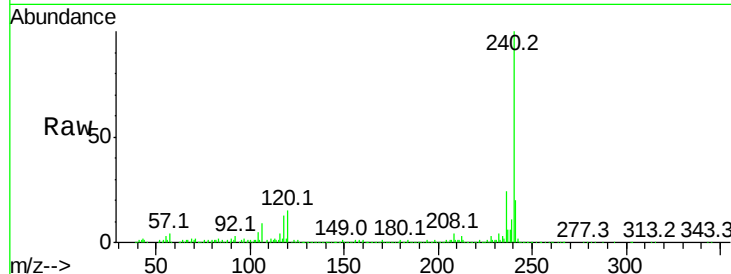
Tot Ion:240 Resp: 329753

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

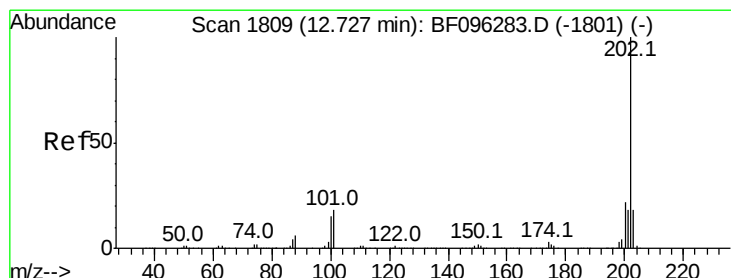
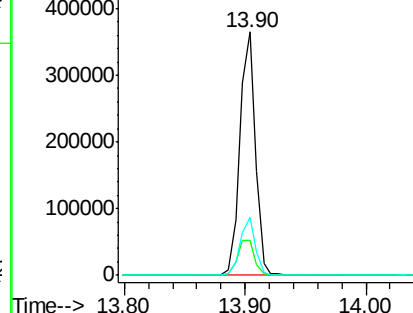
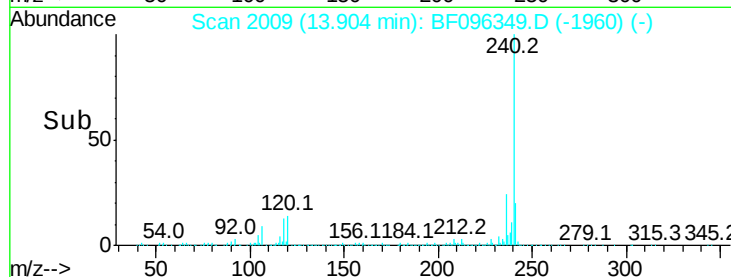
236 23.9 20.5 30.7



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: 3.03 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.02 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

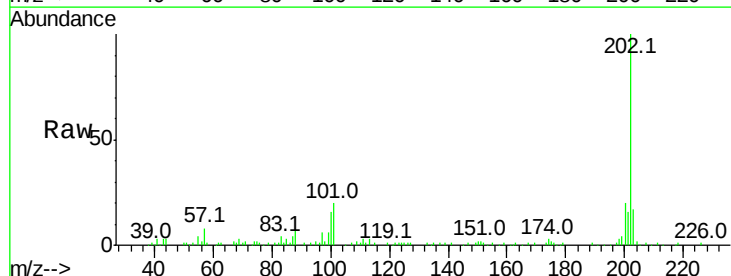
Tgt Ion:202 Resp: 82034

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

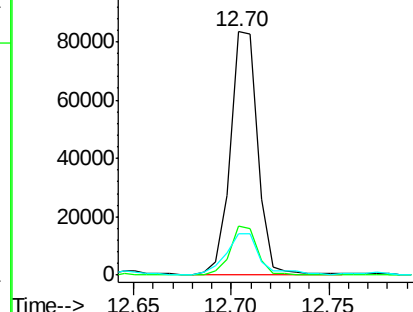
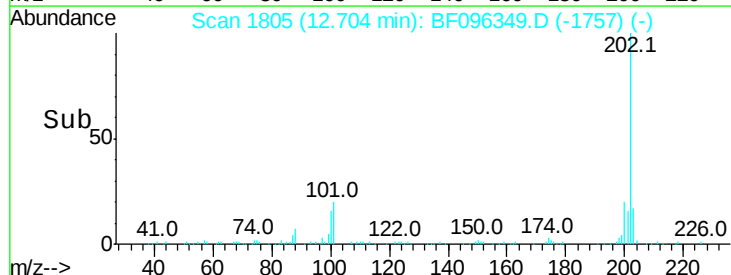
203 17.1 14.4 21.6

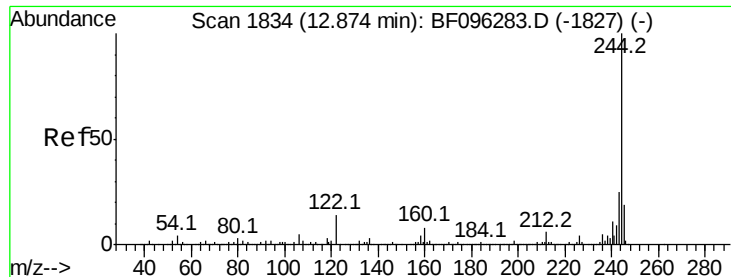


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.34 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.02 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

Instrument :

BNA_F

ClientSampleId :

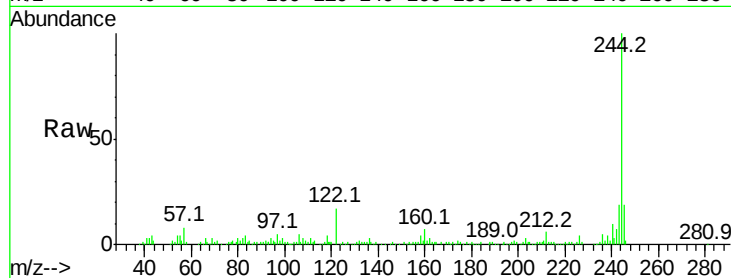
Tot Ion:244 Resp: 83830

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

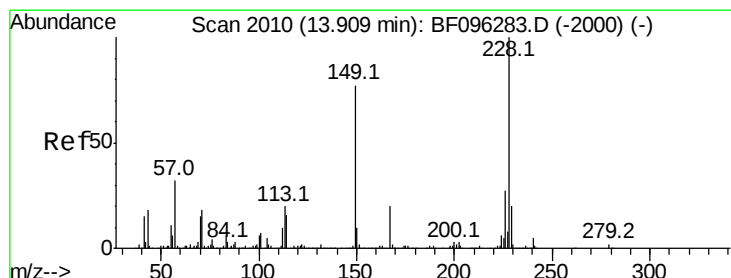
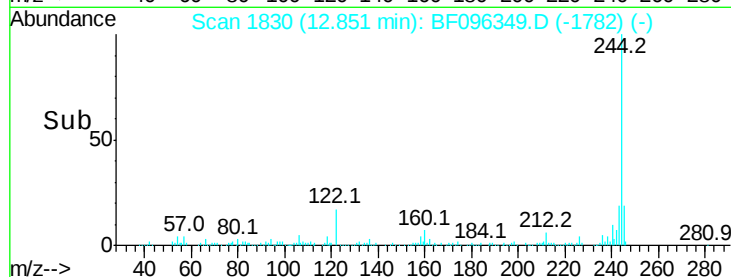
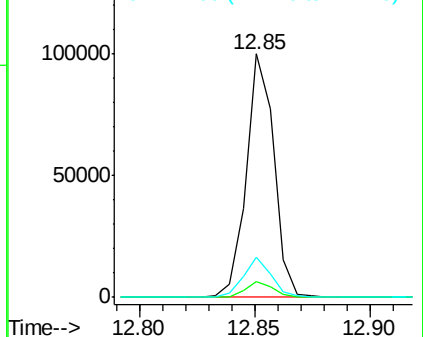
122 16.6 10.3 15.5#



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



#80

Benzo(a)anthracene

Concen: 2.69 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

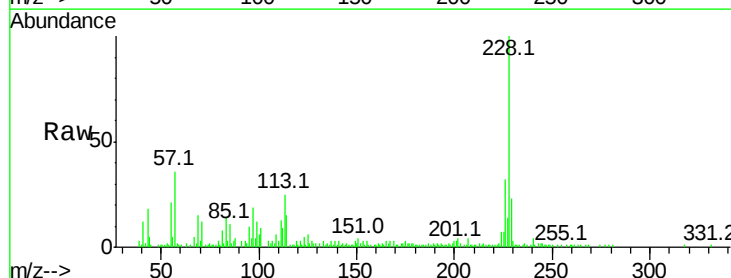
Tgt Ion:228 Resp: 54155

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

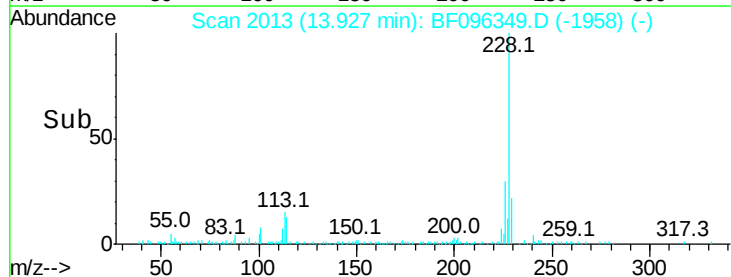
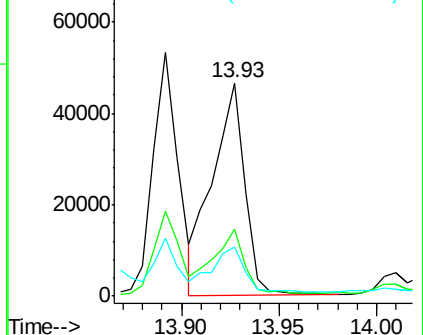
229 23.2 16.3 24.5

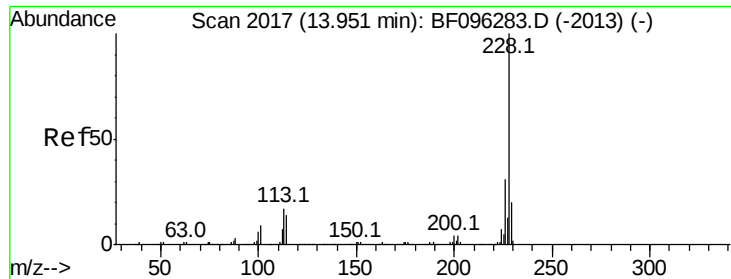


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.60 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

Instrument :

BNA_F

ClientSampleId :

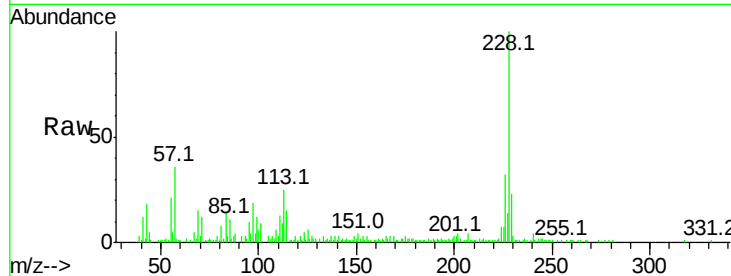
Tot Ion:228 Resp: 54155

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

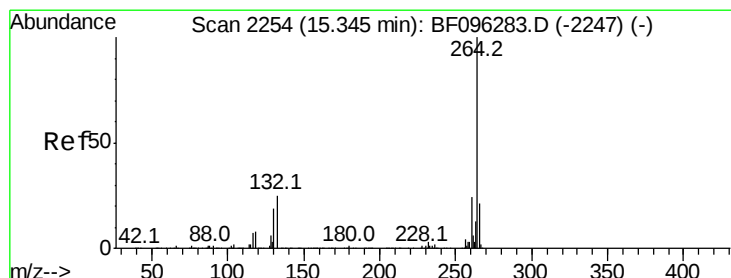
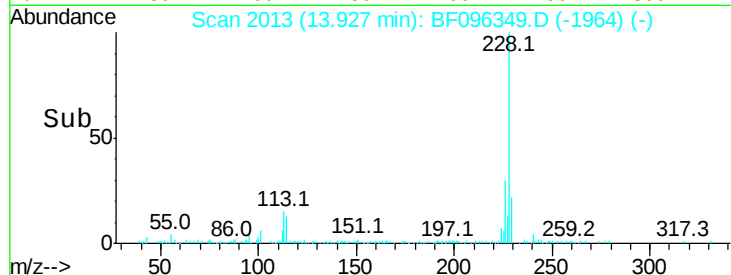
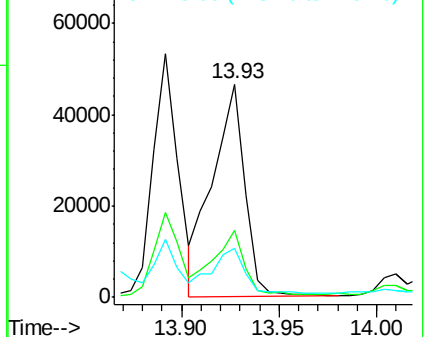
229 23.2 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.02 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

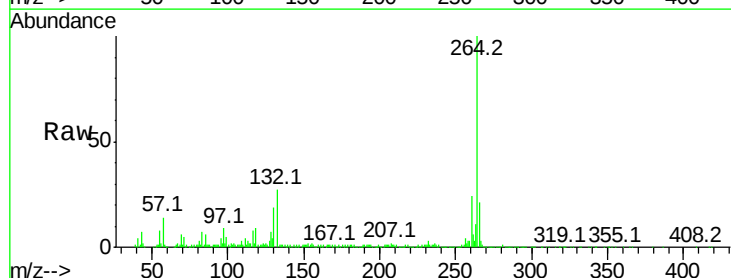
Tgt Ion:264 Resp: 252728

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

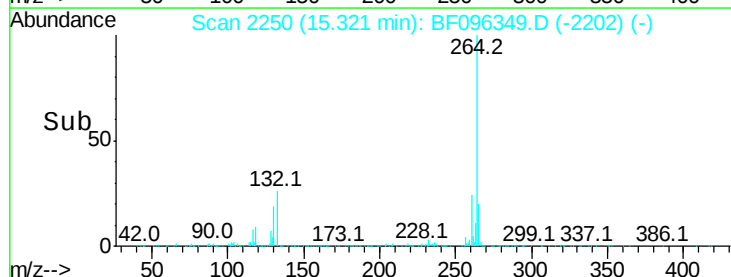
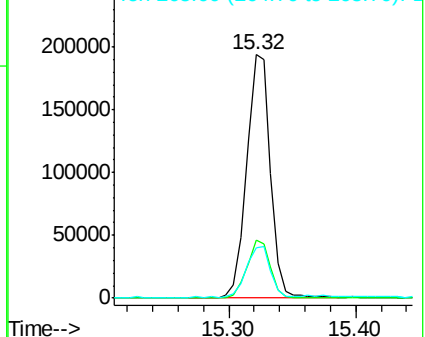
265 20.5 17.2 25.8

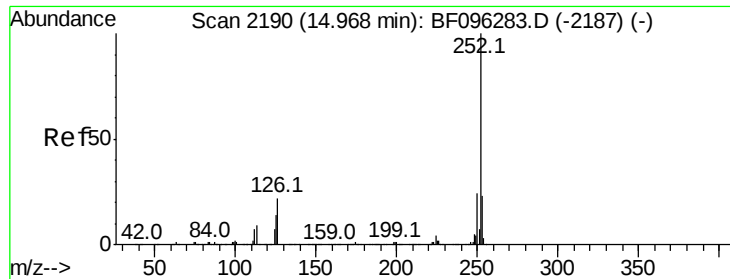


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.96 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

Instrument :

BNA_F

ClientSampleId :

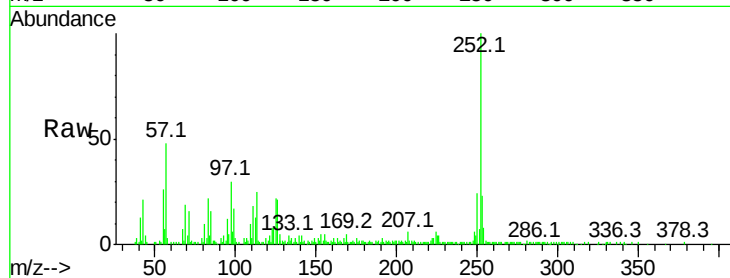
Tot Ion:252 Resp: 115493

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

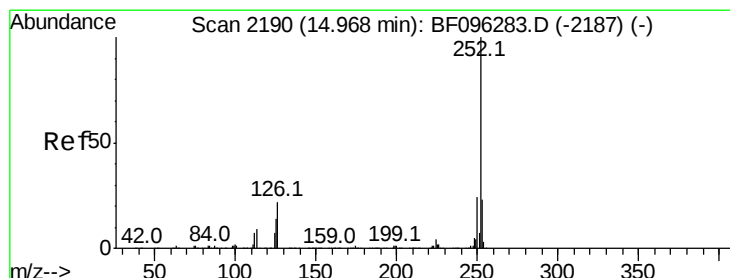
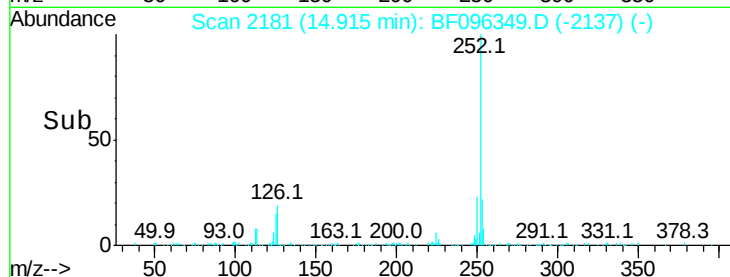
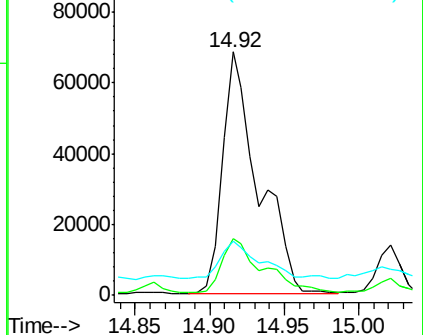
125 22.4 9.8 14.8#



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: 7.62 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

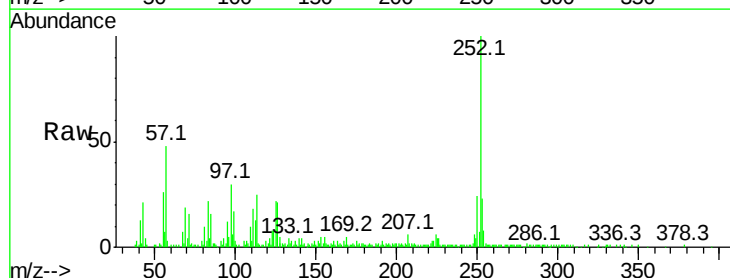
Tgt Ion:252 Resp: 115493

Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

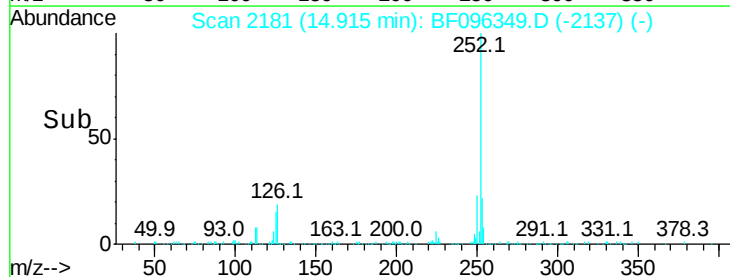
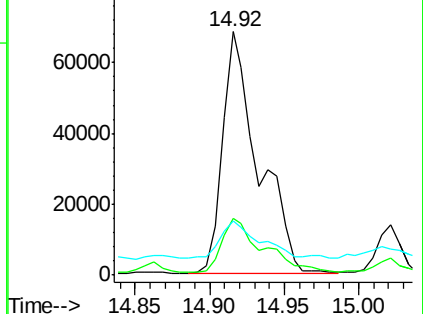
125 22.4 13.1 19.7#

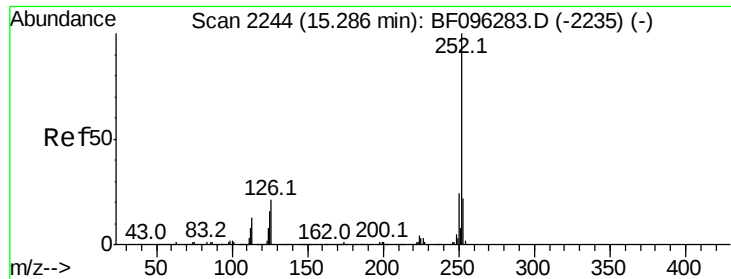


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.59 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF096349.D

Acq: 30 Jun 2017 21:16

Instrument :

BNA_F

ClientSampleId :

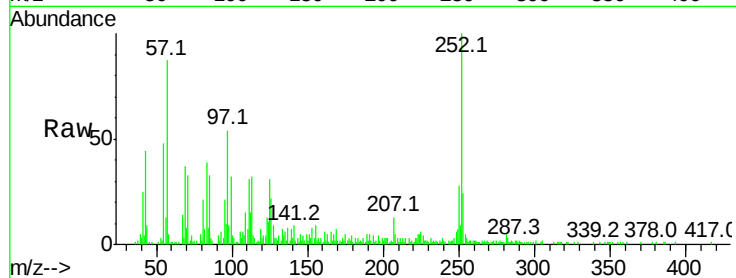
Tot Ion:252 Resp: 38044

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 31.1 11.0 16.4



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

