

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096319.D
 Acq On : 30 Jun 2017 3:55
 Operator : SJ/MA
 Sample : I3883-04 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 04:20:19 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

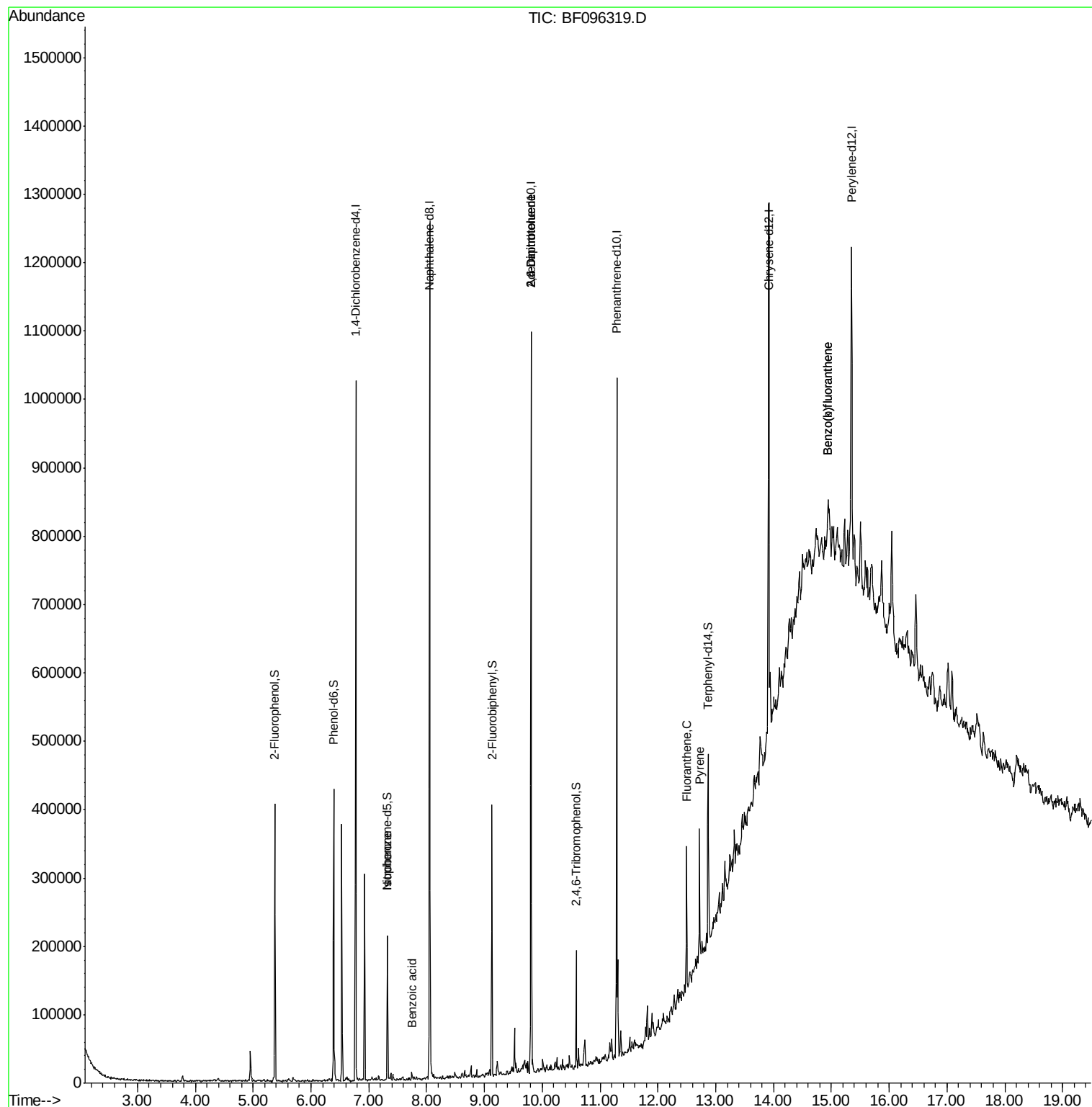
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	147679	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	573922	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	203983	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	307780	20.00	ng	0.00
75) Chrysene-d12	13.92	240	274363	20.00	ng	0.00
86) Perylene-d12	15.35	264	215702	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	96926	9.46	ng	0.00
7) Phenol-d6	6.39	99	114052	9.19	ng	0.00
23) Nitrobenzene-d5	7.32	82	53556	6.46	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	16158	10.07	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	103093	9.26	ng	-0.02
78) Terphenyl-d14	12.87	244	70406	6.40	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	179	Below Cal	#	1
25) Isophorone	7.32	82	53428	2.84	ng	# 67
32) Benzoic acid	7.74	122	2595	9.14	ng	# 88
50) 2,6-Dinitrotoluene	9.80	165	25874	8.52	ng	# 34
56) 2,4-Dinitrotoluene	9.80	165	25874	6.76	ng	# 33
57) Fluorene	10.35	166	3622	Below Cal		98
70) Phenanthrene	11.31	178	46374	Below Cal		97
74) Fluoranthene	12.49	202	76156	4.45	ng	94
77) Pyrene	12.72	202	73336	3.25	ng	98
87) Benzo(b)fluoranthene	14.94	252	48732	3.44	ng	# 69
88) Benzo(k)fluoranthene	14.94	252	48732	3.77	ng	# 73

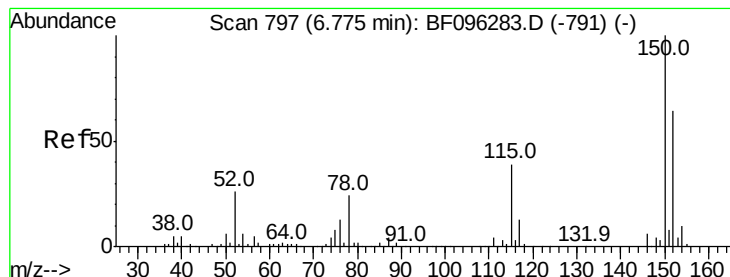
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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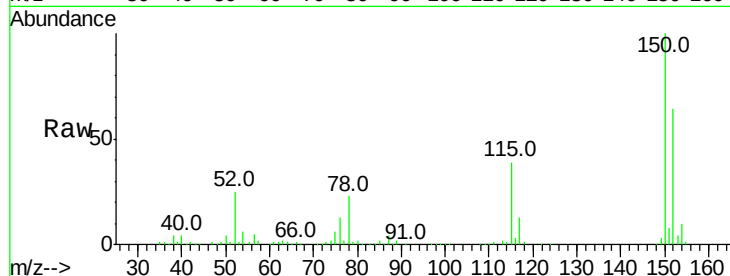


#1

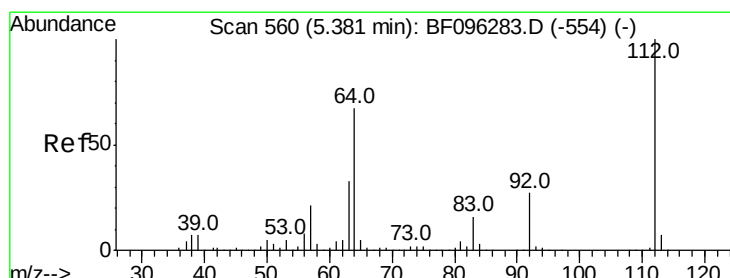
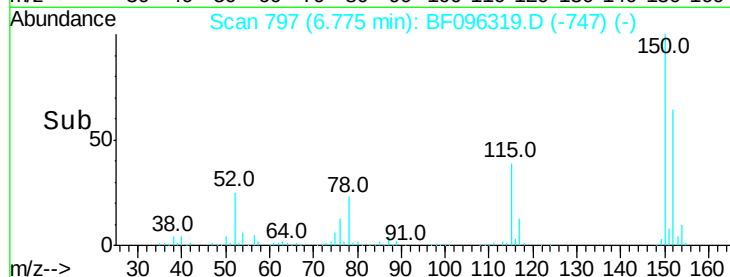
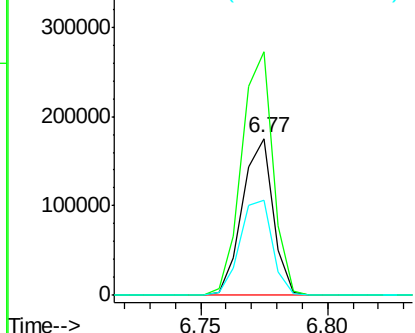
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF096319.D
Acq: 30 Jun 2017 3:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147679
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 60.7 52.2 78.2



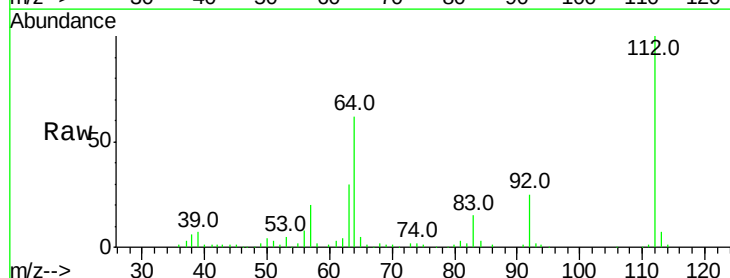
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



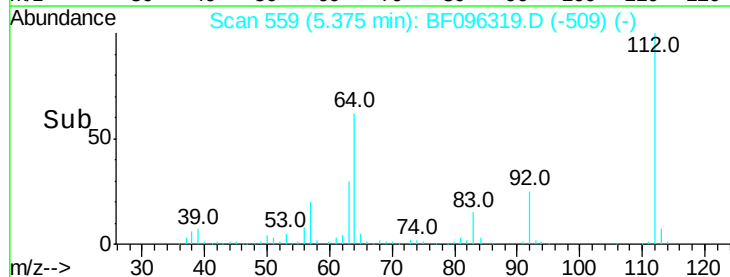
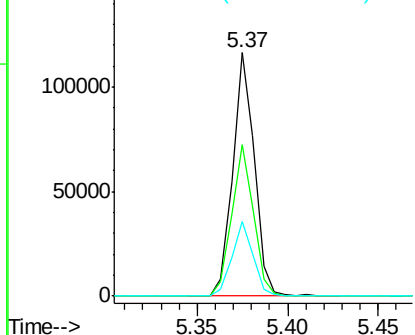
#5

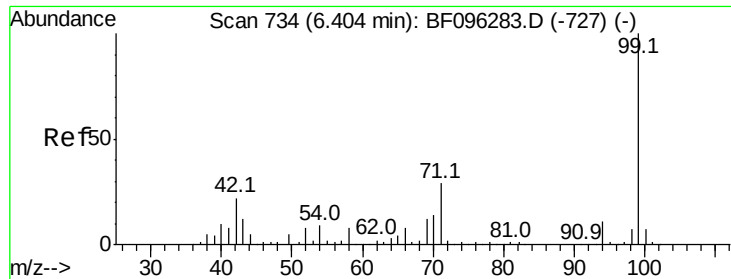
2-Fluorophenol
Concen: 9.46 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096319.D
Acq: 30 Jun 2017 3:55

Tgt Ion:112 Resp: 96926
Ion Ratio Lower Upper
112 100
64 62.2 46.0 69.0
63 30.5 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: 9.19 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

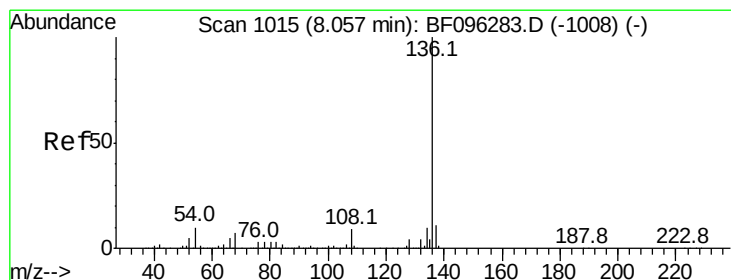
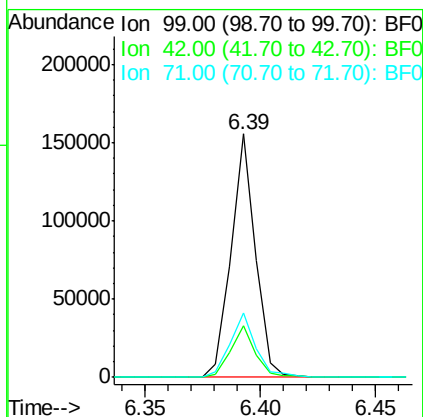
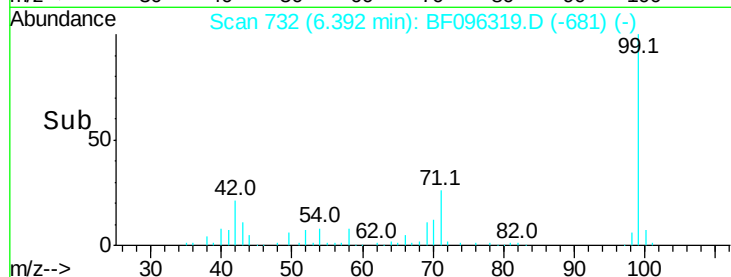
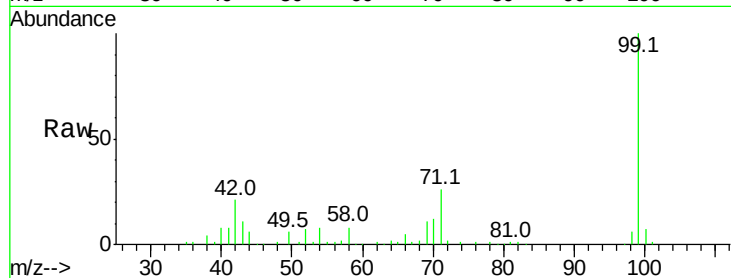
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 114052

Ion	Ratio	Lower	Upper
99	100		
42	21.2	13.5	20.3#
71	26.3	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

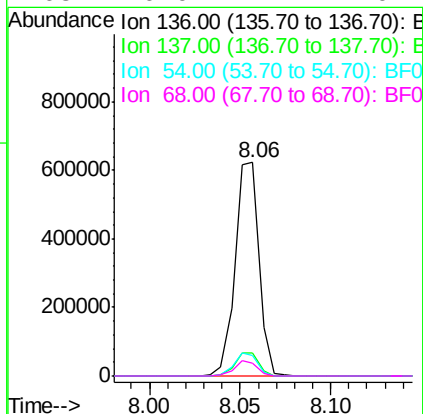
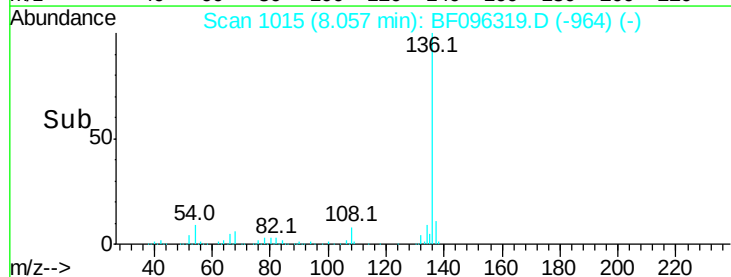
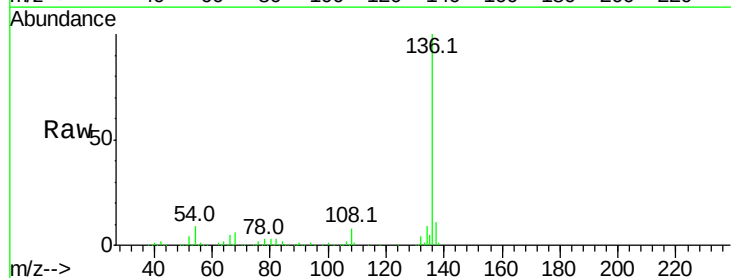
Delta R.T. -0.00 min

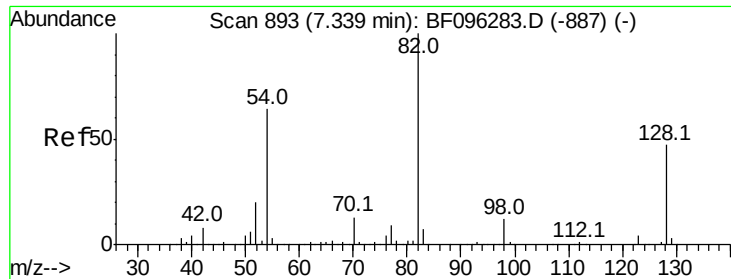
Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

Tgt Ion: 136 Resp: 573922

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.4	4.9	7.3#
68	6.0	4.1	6.1

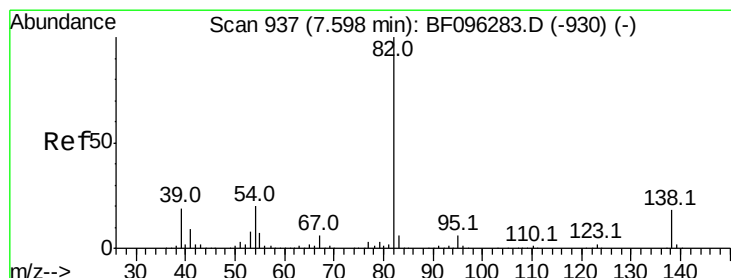
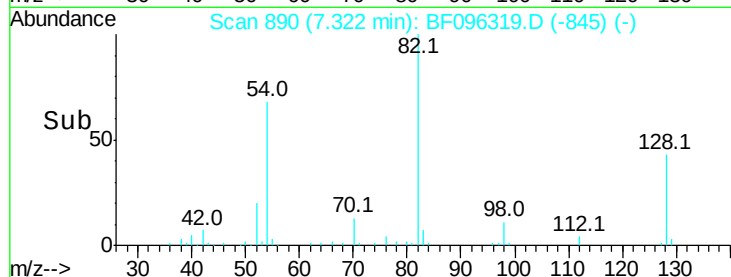
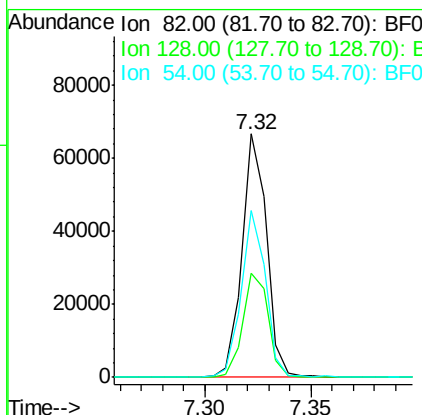
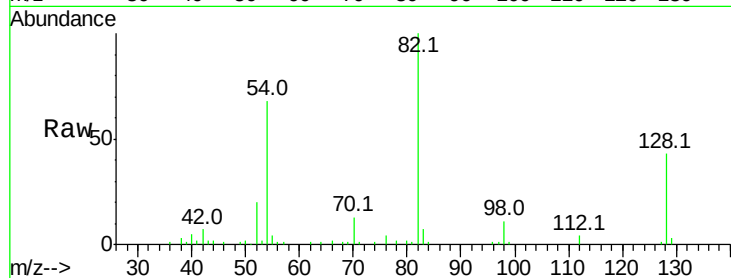




#23
 Nitrobenzene-d5
 Concen: 6.46 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

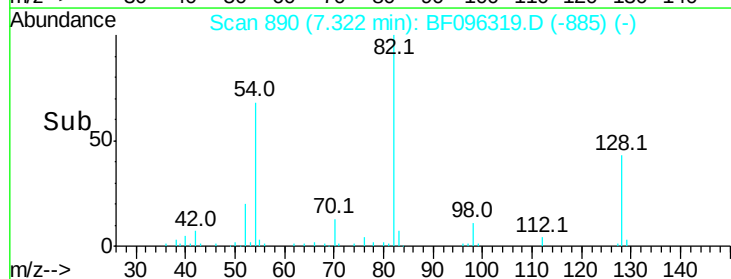
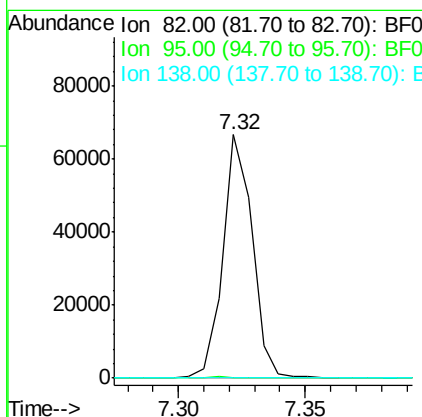
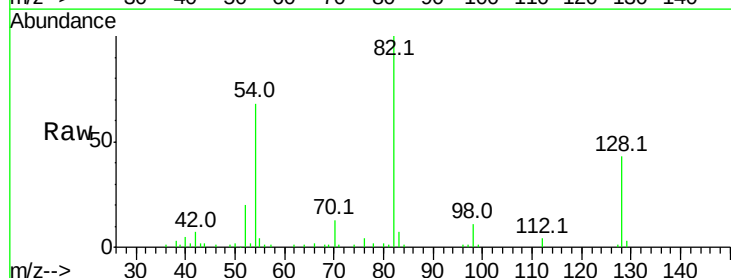
Instrument :
 BNA_F
 ClientSampleId :

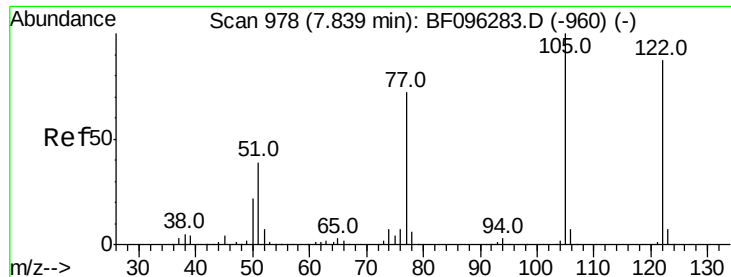
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.0	51.0
54	68.3	42.2	63.2#



#25
 Isophorone
 Concen: 2.84 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.27 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

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





#32

Benzoic acid

Concen: 9.14 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.15 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

Instrument :

BNA_F

ClientSampled :

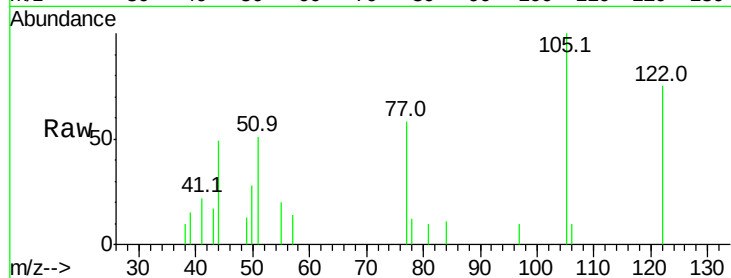
Tot Ion:122 Resp: 2595

Ion Ratio Lower Upper

122 100

105 133.1 103.3 143.3

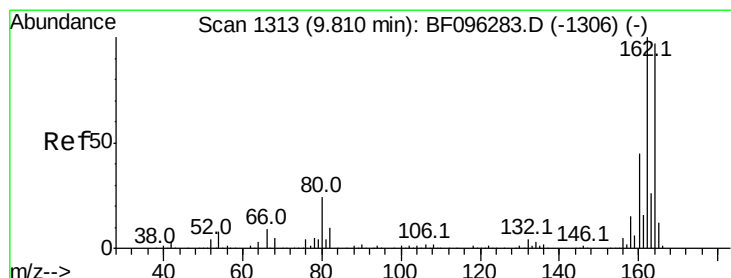
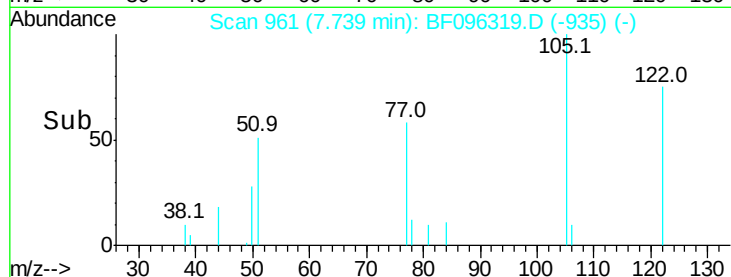
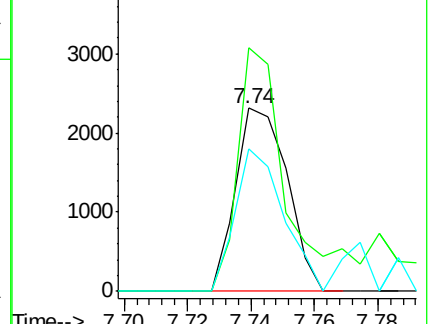
77 77.6 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

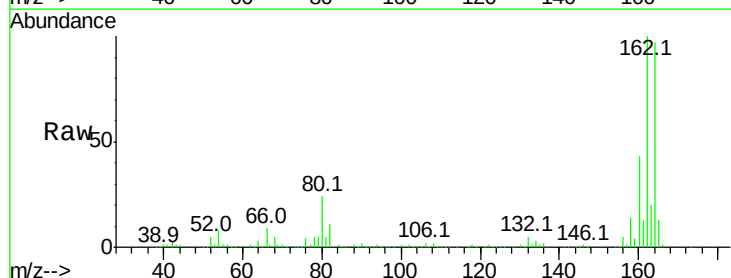
Tgt Ion:164 Resp: 203983

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

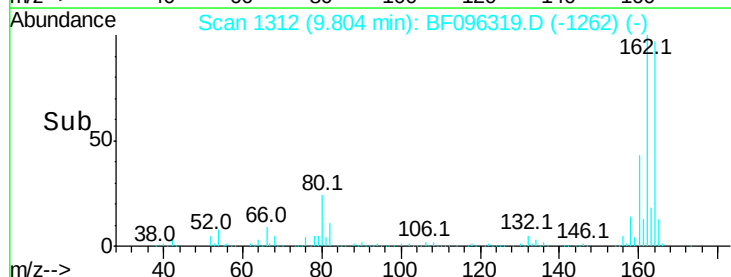
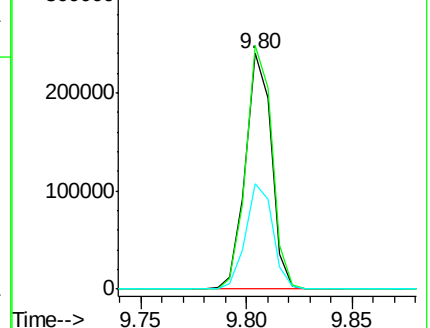
160 44.8 36.2 54.2

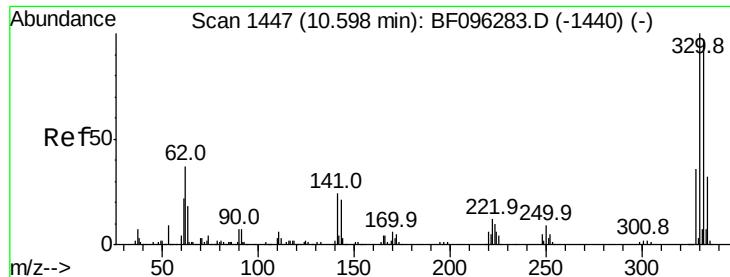


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

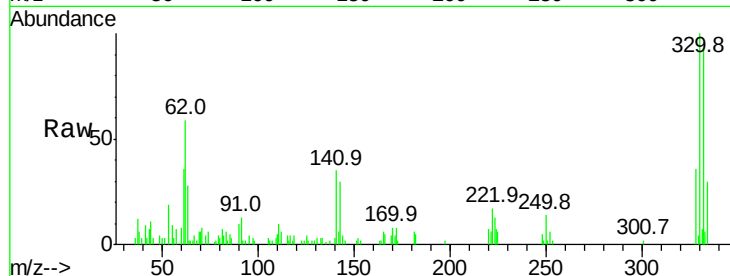




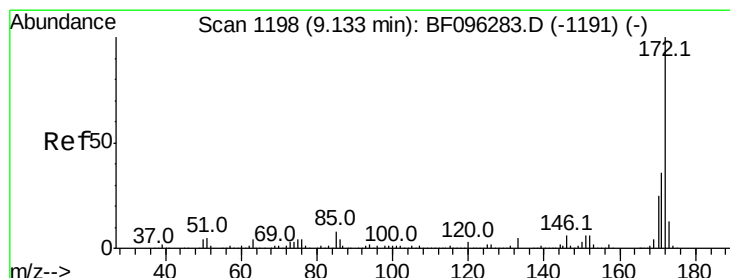
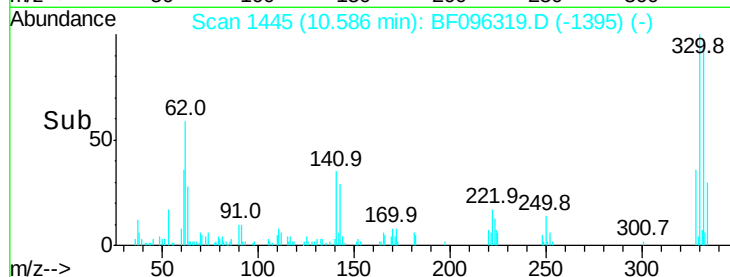
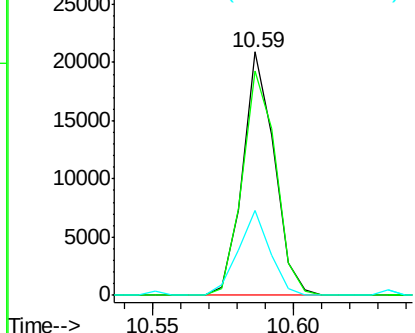
#41
 2,4,6-Tribromophenol
 Concen: 10.07 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 16158
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 34.8 31.4 47.2

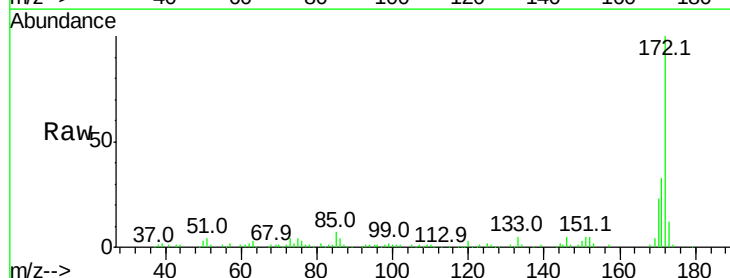


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

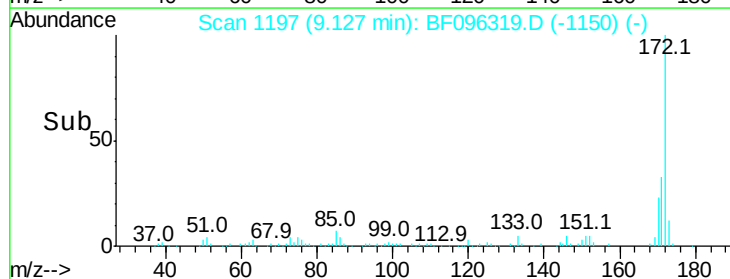
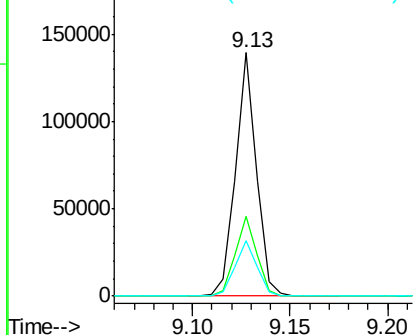


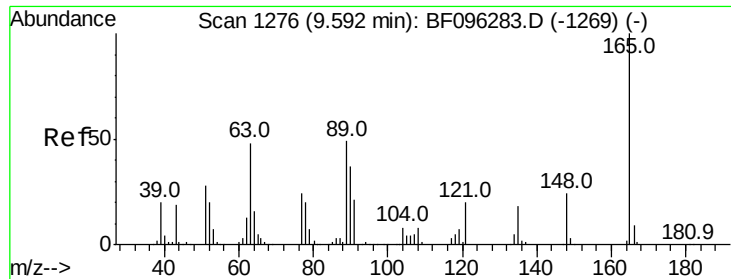
#44
 2-Fluorobiphenyl
 Concen: 9.26 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

Tgt Ion:172 Resp: 103093
 Ion Ratio Lower Upper
 172 100
 171 33.0 29.6 44.4
 170 22.7 19.8 29.8



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





#50

2,6-Dinitrotoluene

Concen: 8.52 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

Instrument :

BNA_F

ClientSampleId :

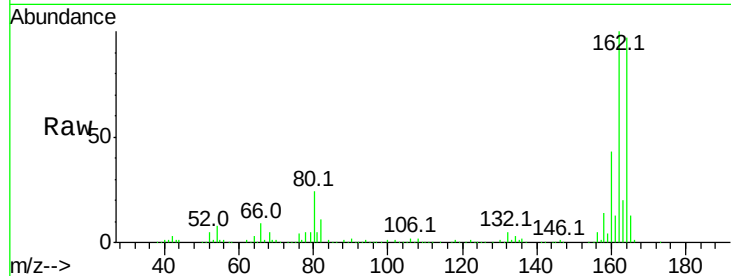
Tot Ion:165 Resp: 25874

Ion Ratio Lower Upper

165 100

63 1.9 34.3 51.5#

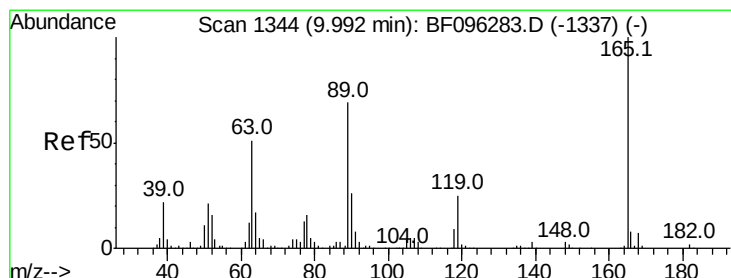
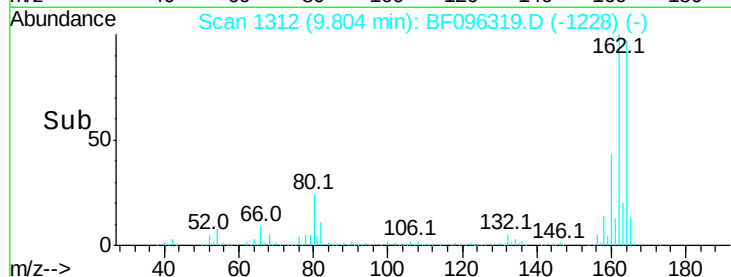
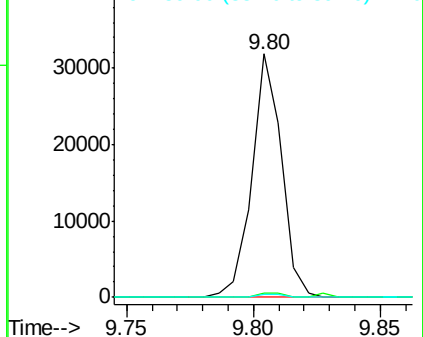
89 1.1 37.1 55.7#



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: 6.76 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

Tgt Ion:165 Resp: 25874

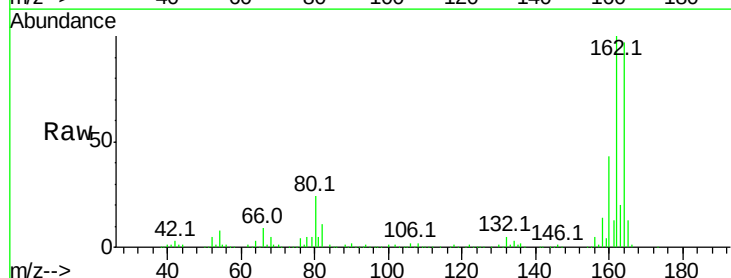
Ion Ratio Lower Upper

165 100

63 1.9 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

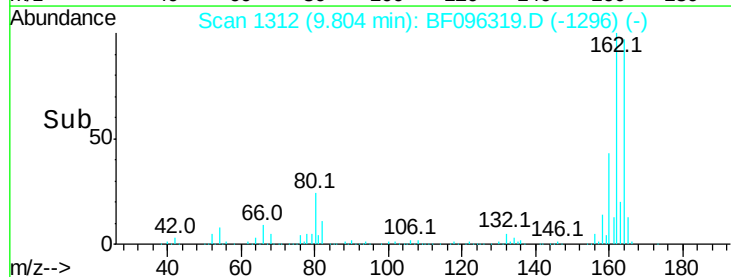
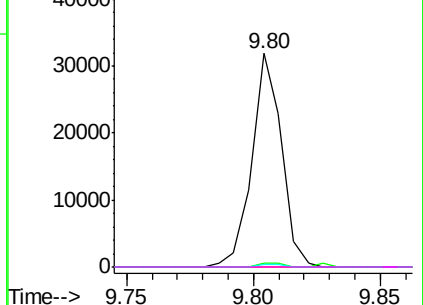


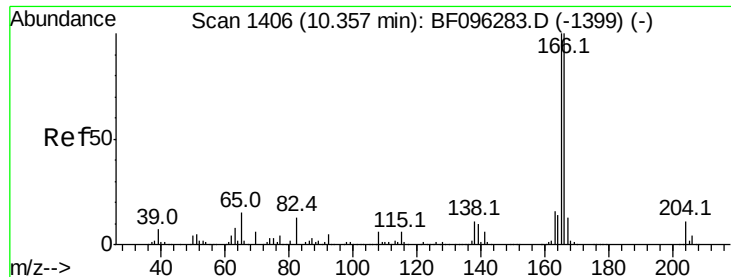
Abundance Ion 165.00 (164.70 to 165.70): E

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

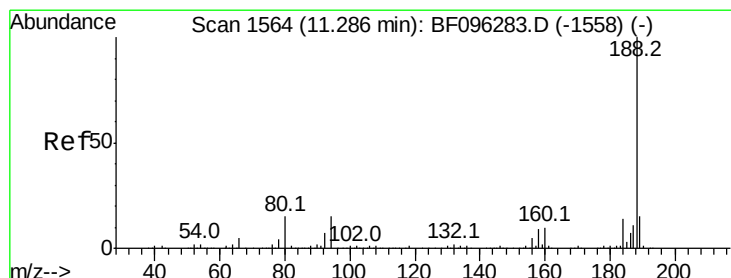
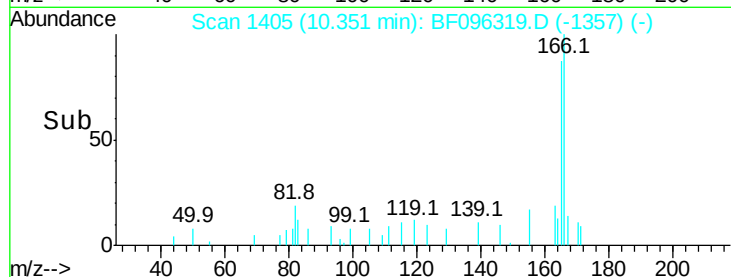
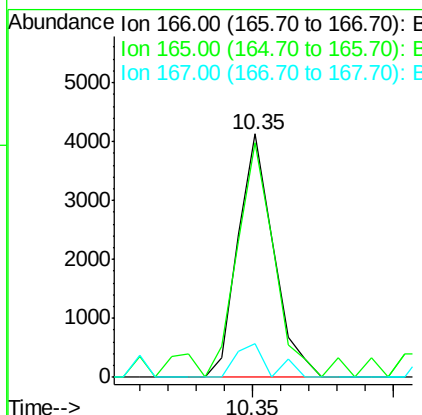
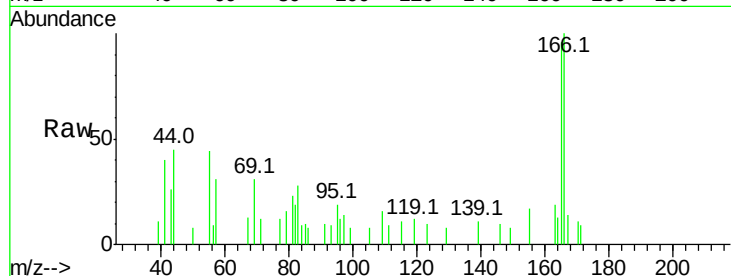




#57
Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

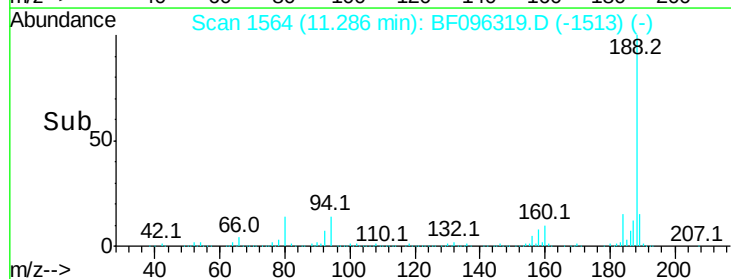
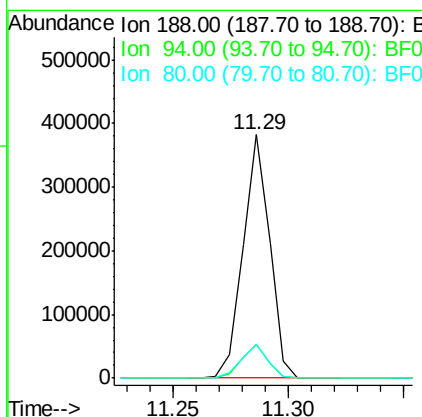
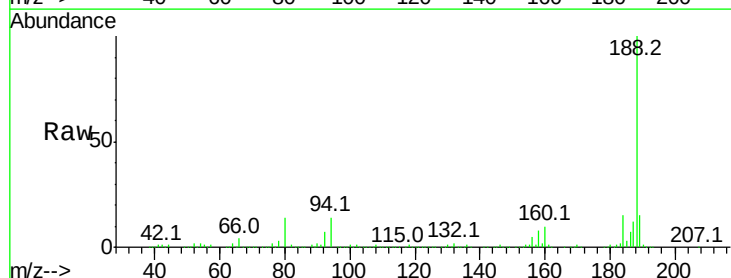
Instrument :
 BNA_F
 ClientSampleId :

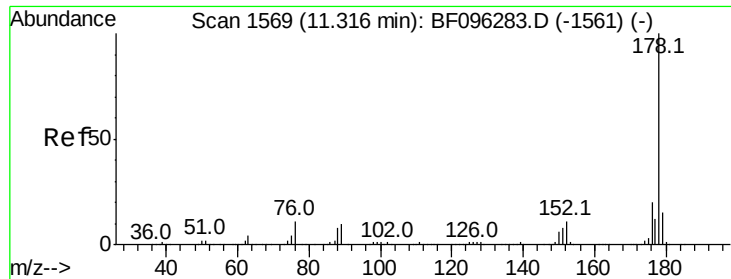
Tot Ion:166 Resp: 3622
 Ion Ratio Lower Upper
 166 100
 165 96.3 78.8 118.2
 167 14.0 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

Tgt Ion:188 Resp: 307780
 Ion Ratio Lower Upper
 188 100
 94 13.7 9.4 14.2
 80 13.6 10.2 15.2





#70

Phenanthrene

Concen: Below Cal

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

Instrument :

BNA_F

ClientSampleId :

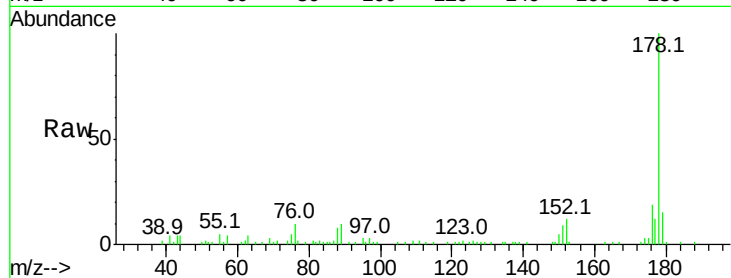
Tot Ion:178 Resp: 46374

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

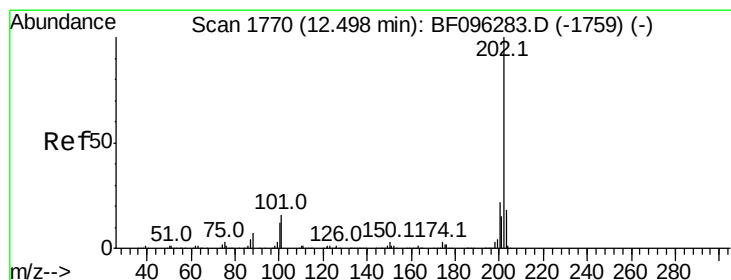
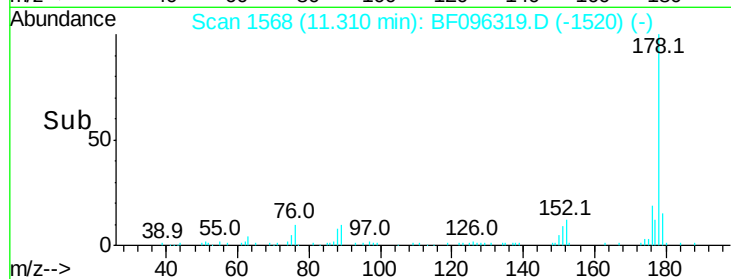
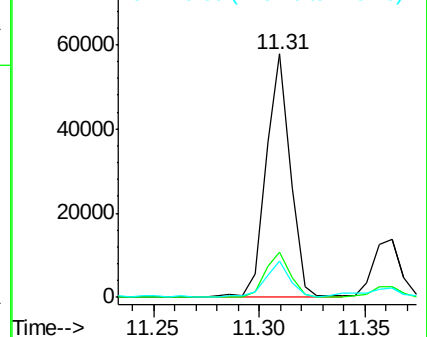
179 15.1 12.6 19.0



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: 4.45 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

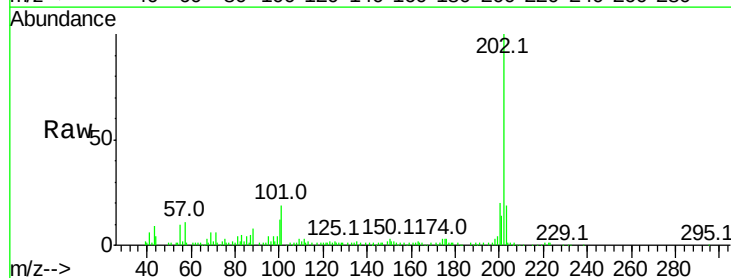
Tgt Ion:202 Resp: 76156

Ion Ratio Lower Upper

202 100

101 18.5 0.0 33.2

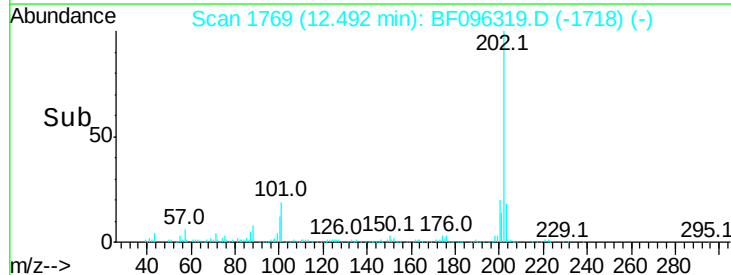
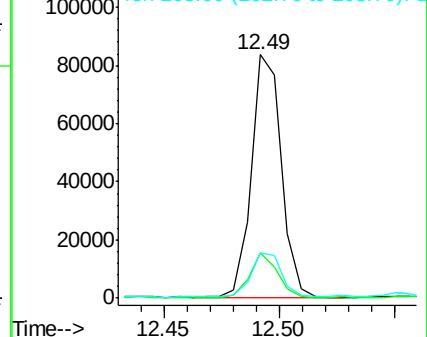
203 18.7 0.0 38.1

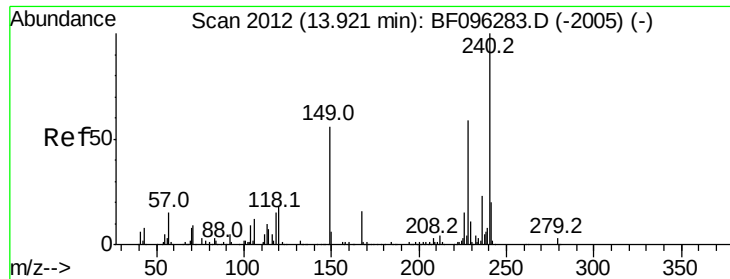


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2012

Delta R.T. 0.01 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

Instrument :

BNA_F

ClientSampleId :

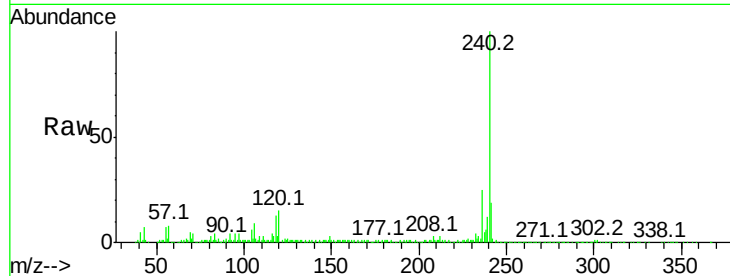
Tot Ion:240 Resp: 274363

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

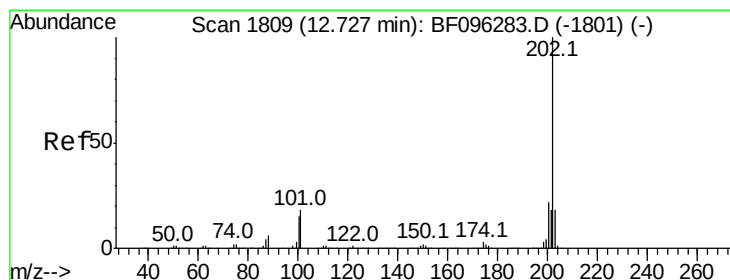
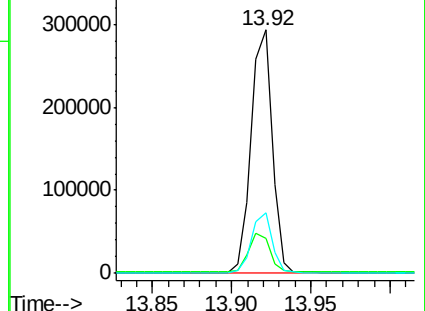
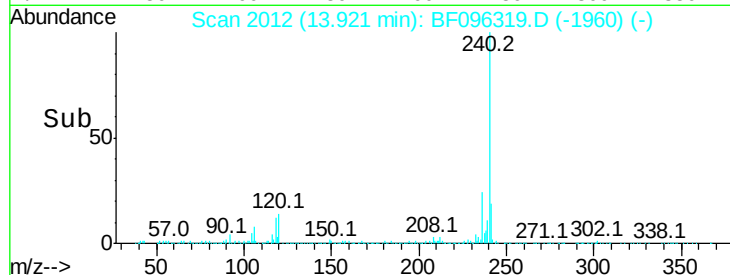
236 24.7 20.5 30.7



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: 3.25 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096319.D

Acq: 30 Jun 2017 3:55

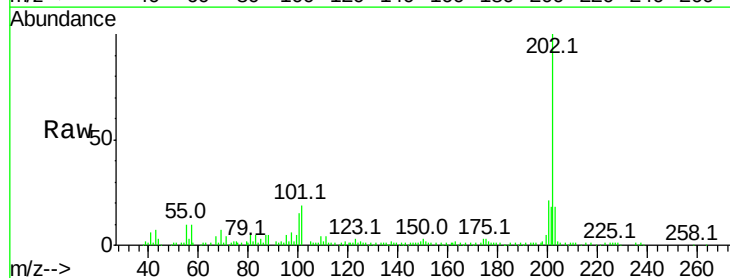
Tgt Ion:202 Resp: 73336

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

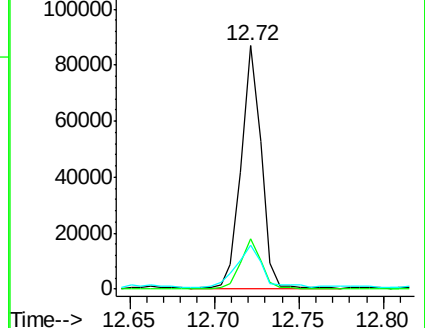
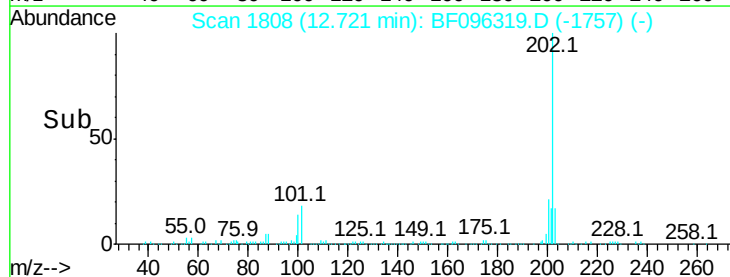
203 17.9 14.4 21.6

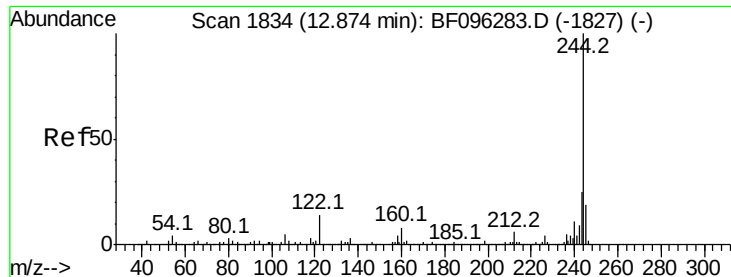


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

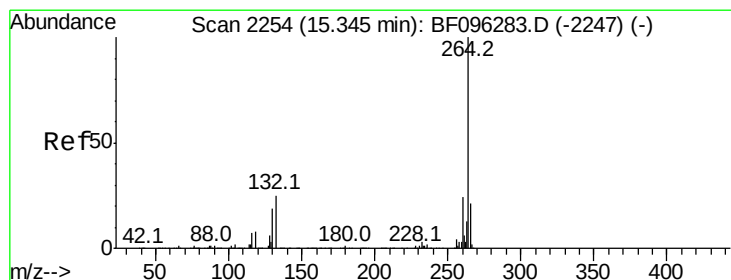
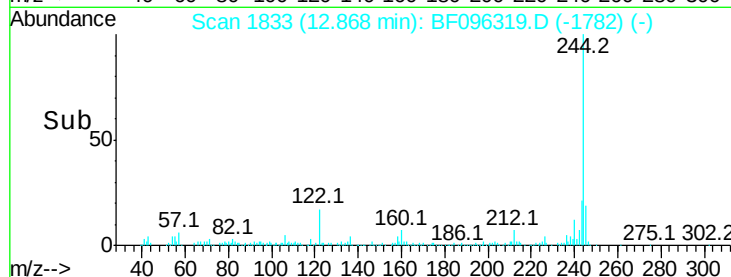
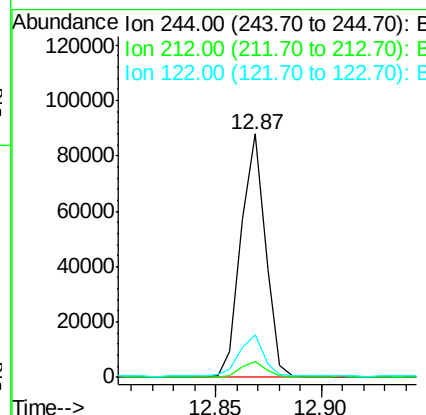
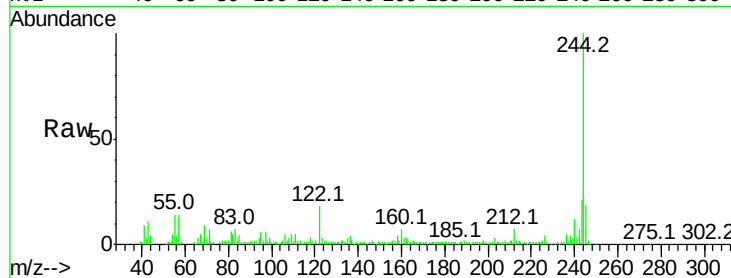




#78
 Terphenyl-d14
 Concen: 6.40 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

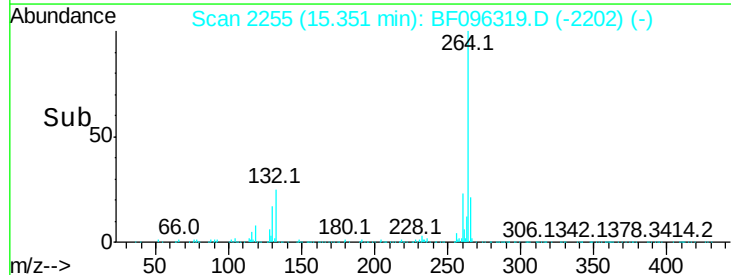
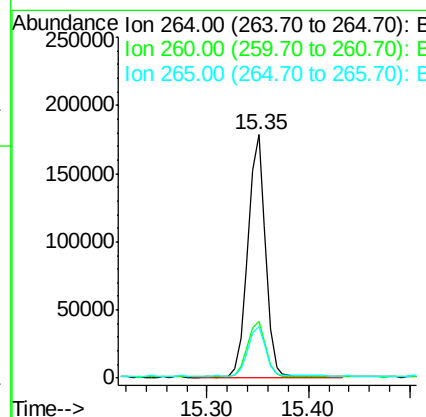
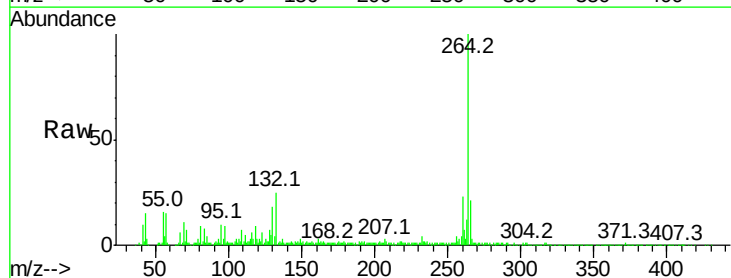
Instrument :
 BNA_F
 ClientSampled :

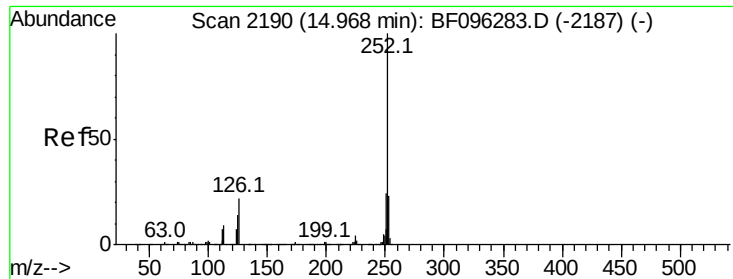
Tot Ion:244 Resp: 70406
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 17.5 10.3 15.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 2255
 Delta R.T. 0.01 min
 Lab File: BF096319.D
 Acq: 30 Jun 2017 3:55

Tgt Ion:264 Resp: 215702
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 21.4 17.2 25.8

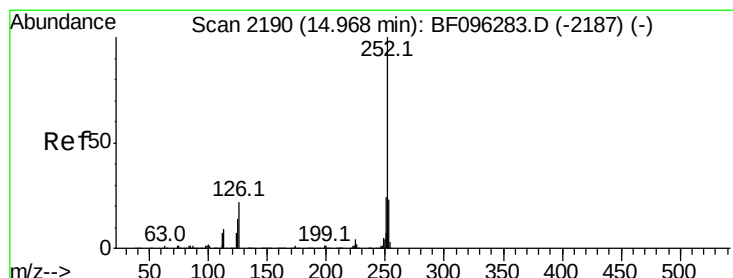
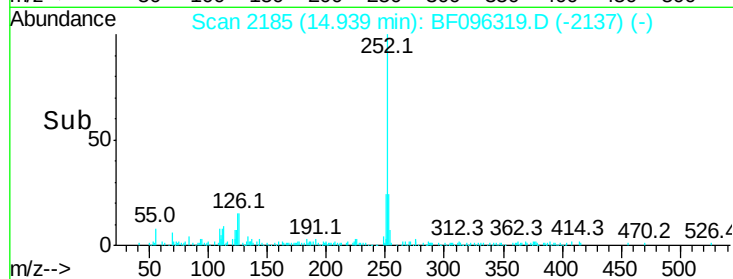
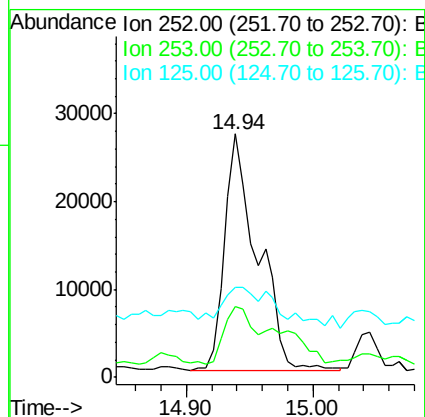
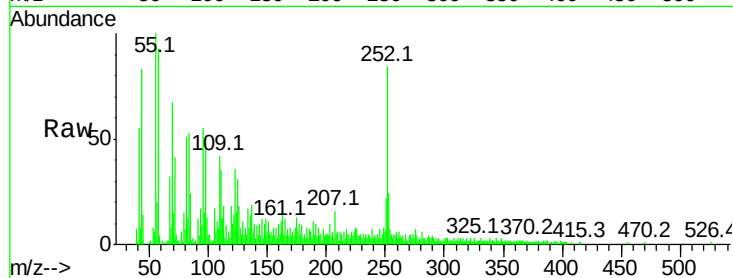




#87
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096319.D
Acq: 30 Jun 2017 3:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.1	27.1#
125	37.0	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 3.77 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096319.D
Acq: 30 Jun 2017 3:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.4	27.6#
125	37.0	13.1	19.7#

