

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096309.D
 Acq On : 29 Jun 2017 23:20
 Operator : SJ/MA
 Sample : I3882-08 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:10:40 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

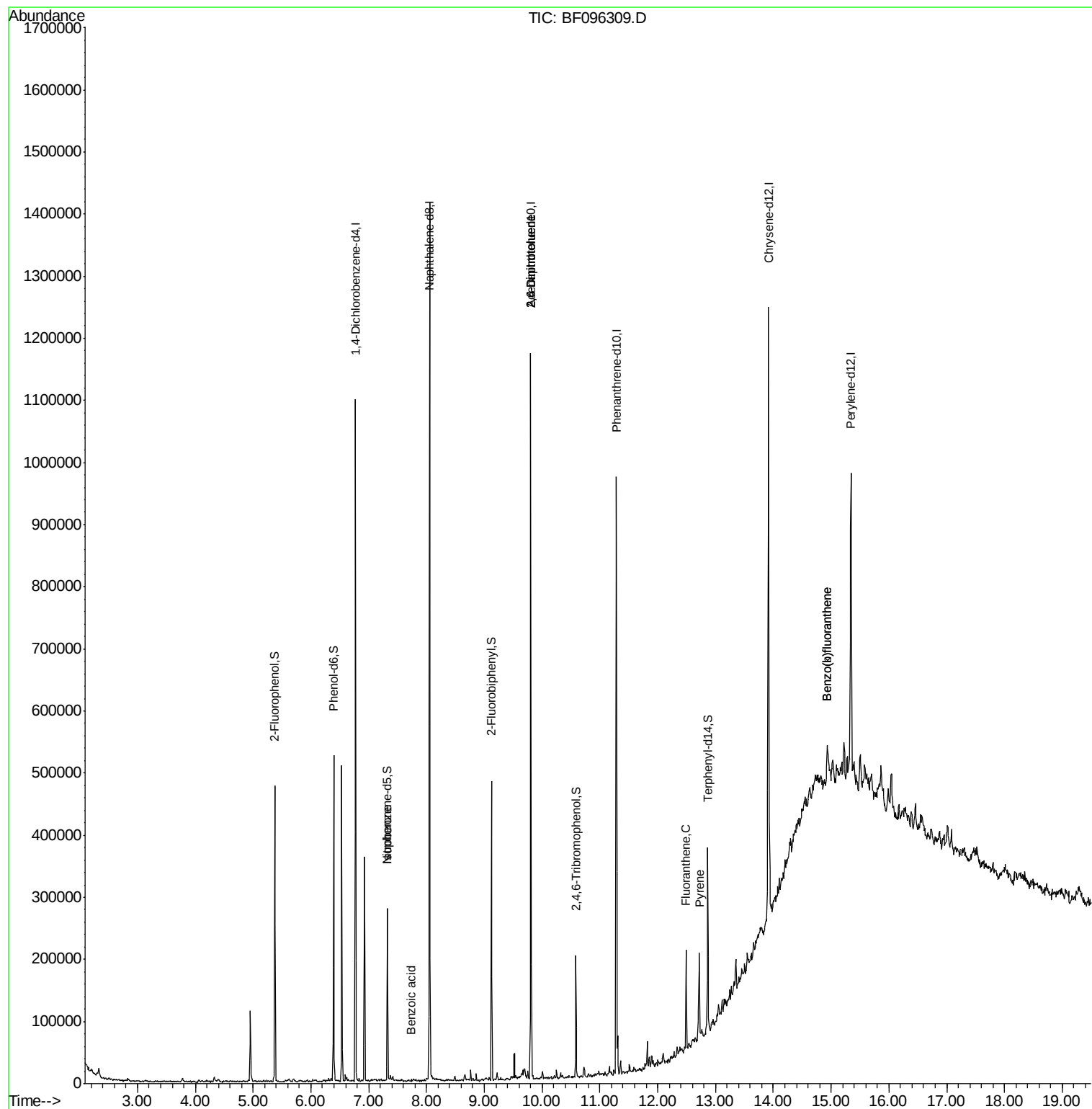
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	153748	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	596825	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	215281	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	318472	20.00	ng	0.00
75) Chrysene-d12	13.92	240	309972	20.00	ng	0.00
86) Perylene-d12	15.34	264	216422	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	118267	11.08	ng	0.00
7) Phenol-d6	6.39	99	142180	11.00	ng	0.00
23) Nitrobenzene-d5	7.32	82	72186	8.37	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	19946	11.77	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	128518	10.93	ng	-0.02
78) Terphenyl-d14	12.87	244	84831	6.83	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	279	Below Cal	#	77
25) Isophorone	7.32	82	72184	3.69	ng	# 67
32) Benzoic acid	7.74	122	143	8.80	ng	# 35
50) 2,6-Dinitrotoluene	9.80	165	27606	8.61	ng	# 34
56) 2,4-Dinitrotoluene	9.80	165	27606	6.83	ng	# 34
57) Fluorene	10.35	166	1039	Below Cal	#	91
70) Phenanthrene	11.31	178	21501	Below Cal		94
74) Fluoranthene	12.49	202	54168	3.06	ng	96
77) Pyrene	12.72	202	51025	2.00	ng	98
87) Benzo(b)fluoranthene	14.93	252	41038	2.89	ng	# 77
88) Benzo(k)fluoranthene	14.93	252	41038	3.16	ng	# 81

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

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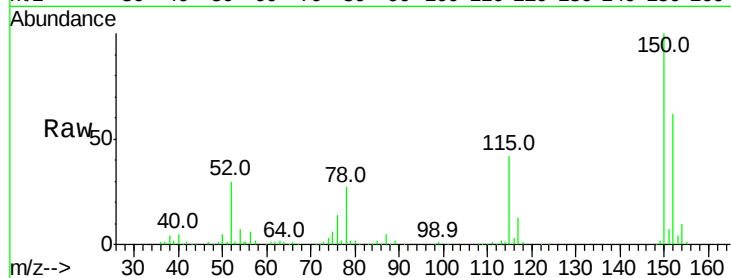


#1

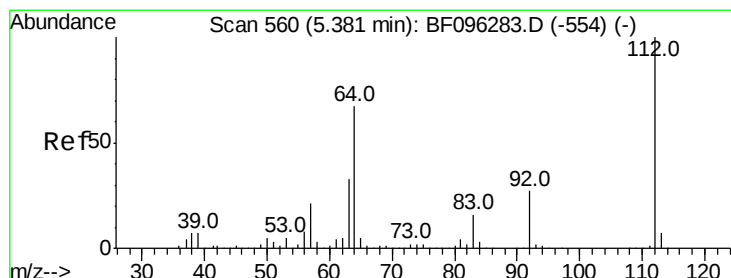
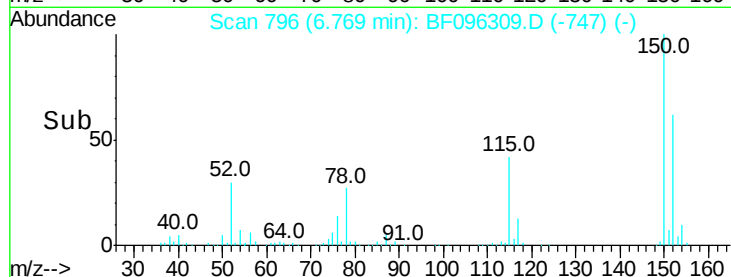
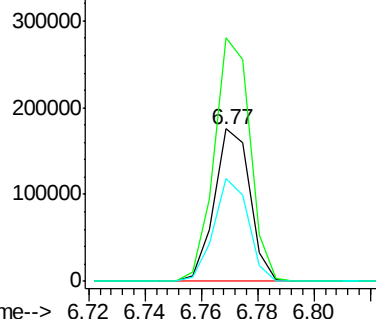
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096309.D
Acq: 29 Jun 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153748
Ion Ratio Lower Upper
152 100
150 160.0 126.2 189.2
115 67.3 52.2 78.2



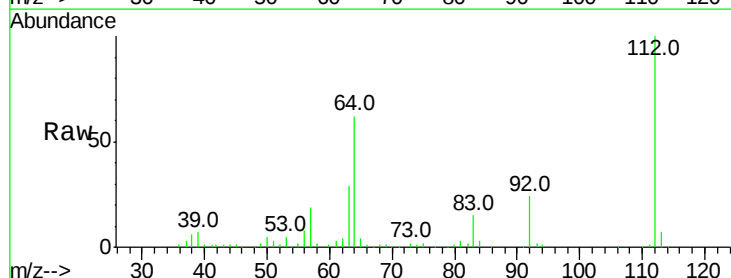
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



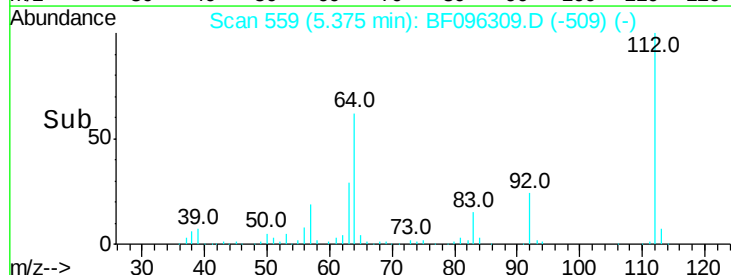
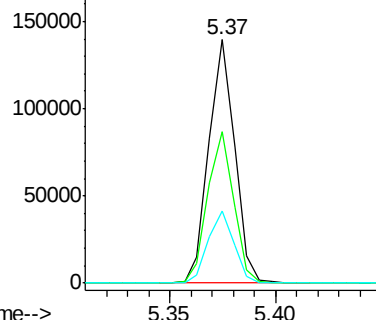
#5

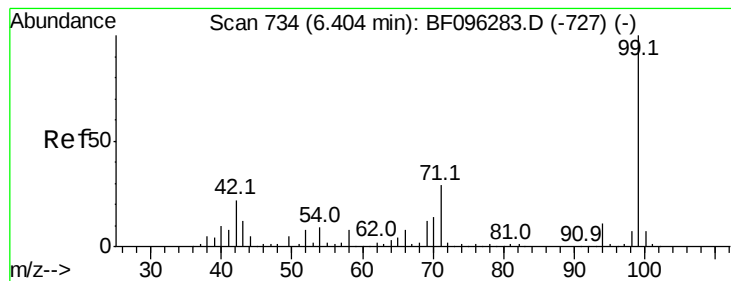
2-Fluorophenol
Concen: 11.08 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096309.D
Acq: 29 Jun 2017 23:20

Tgt Ion:112 Resp: 118267
Ion Ratio Lower Upper
112 100
64 62.4 46.0 69.0
63 29.4 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: 11.00 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

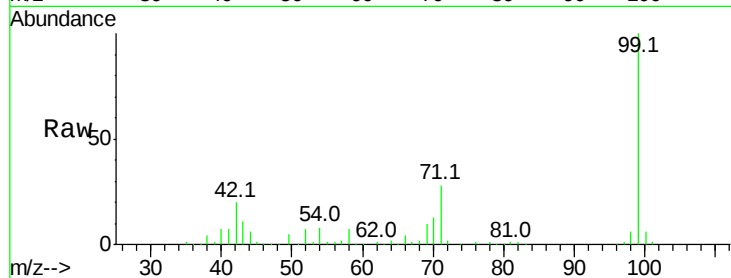
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 142180

Ion	Ratio	Lower	Upper
99	100		
42	19.7	13.5	20.3
71	28.0	24.5	36.7

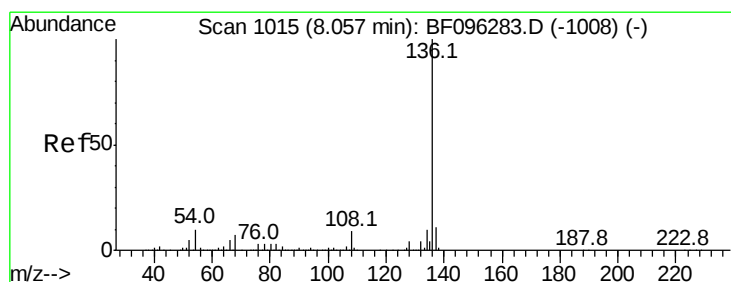
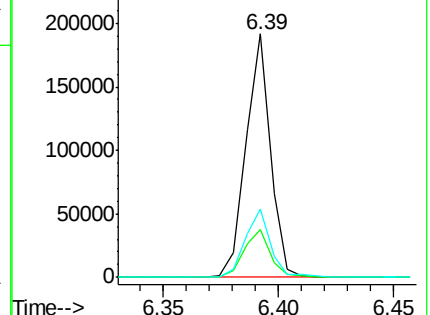
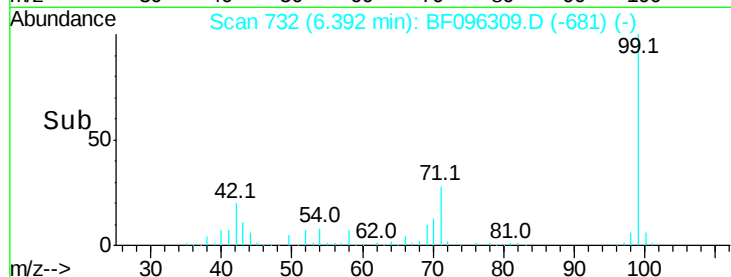


Abundance

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: 8.05 min Scan# 1014

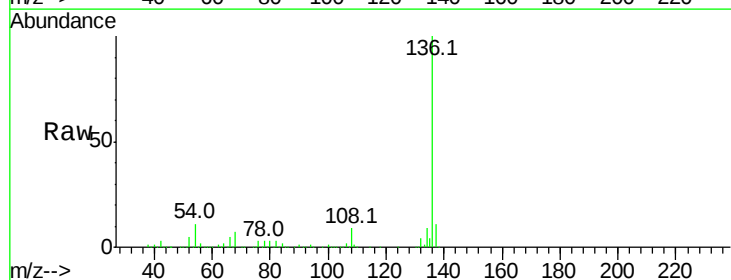
Delta R.T. -0.01 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

Tgt Ion: 136 Resp: 596825

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.4	4.9	7.3#
68	6.8	4.1	6.1#



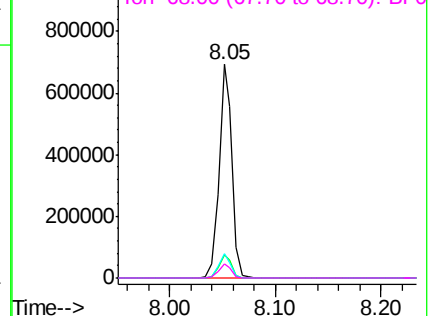
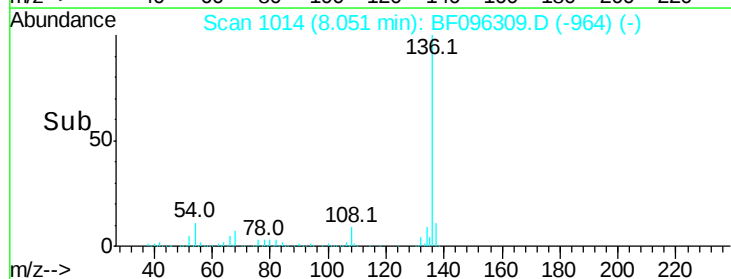
Abundance

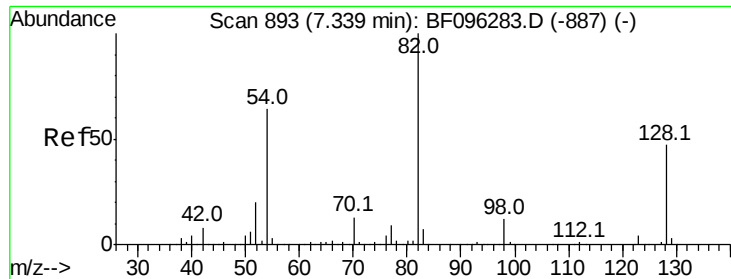
Ion 136.00 (135.70 to 136.70): E

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

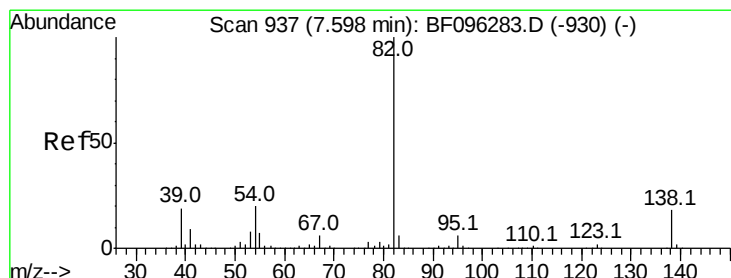
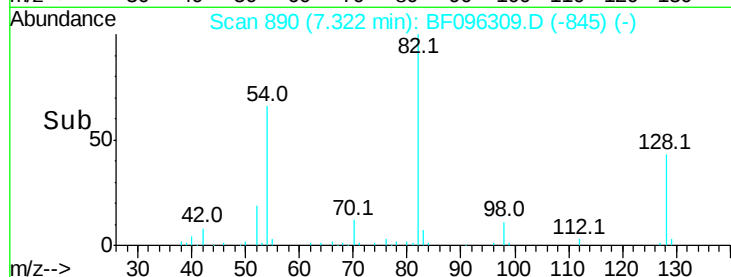
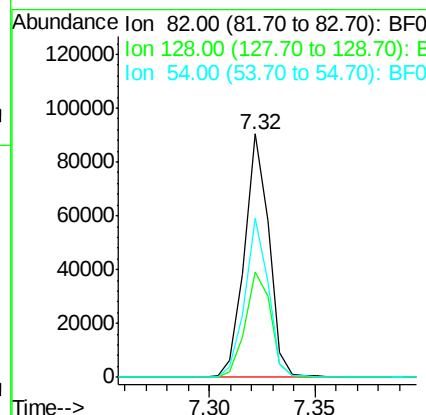
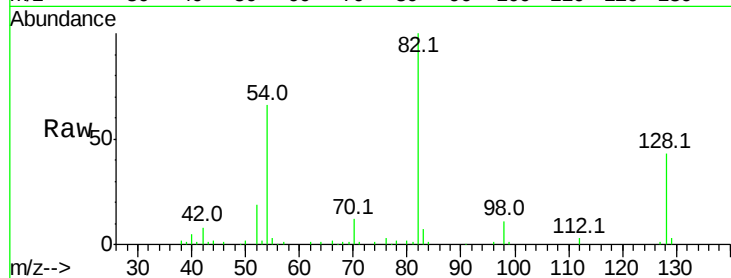




#23
 Nitrobenzene-d5
 Concen: 8.37 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096309.D
 Acq: 29 Jun 2017 23:20

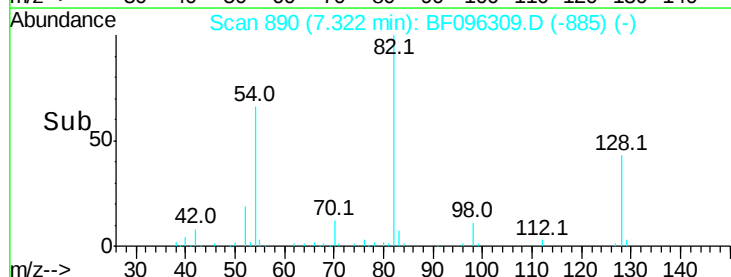
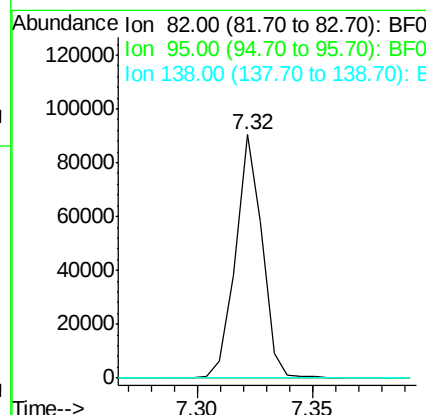
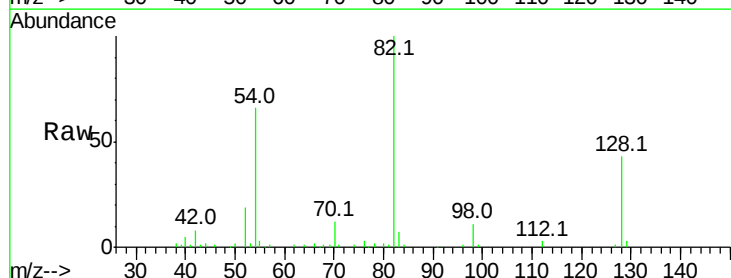
Instrument :
 BNA_F
 ClientSampled :

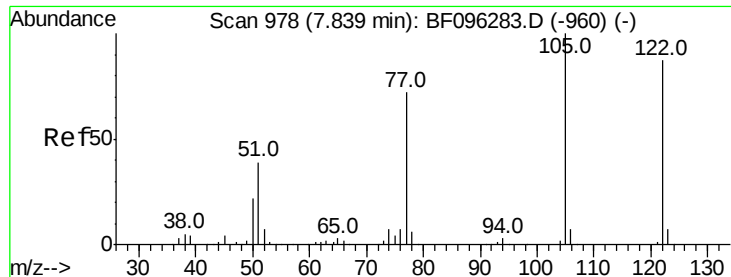
Tot Ion	82	Resp	72186
Ion Ratio	100		
Lower	34.0		
Upper	51.0		
54	65.5	42.2	63.2#



#25
 Isophorone
 Concen: 3.69 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.27 min
 Lab File: BF096309.D
 Acq: 29 Jun 2017 23:20

Tgt Ion	82	Resp	72184
Ion Ratio	100		
Lower	5.3		
Upper	7.9#		
95	0.0	13.1	19.7#
138	0.0		





#32

Benzoic acid

Concen: 8.80 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.15 min

Lab File: BF096309.D

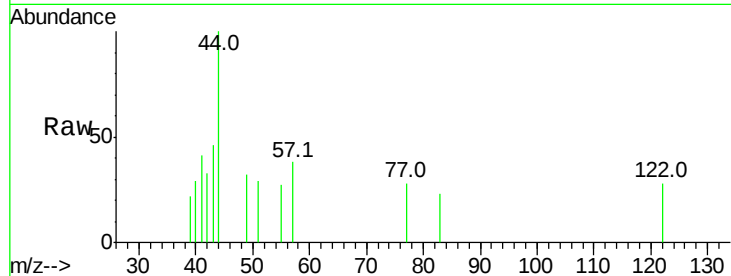
Acq: 29 Jun 2017 23:20

Instrument :

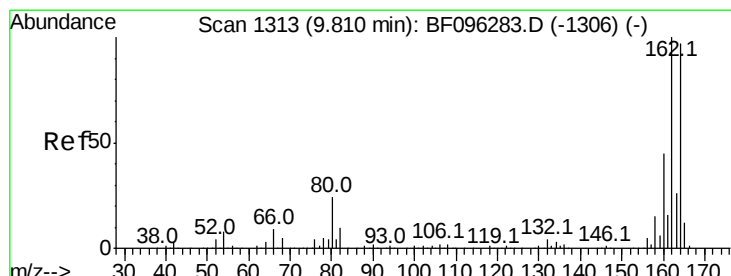
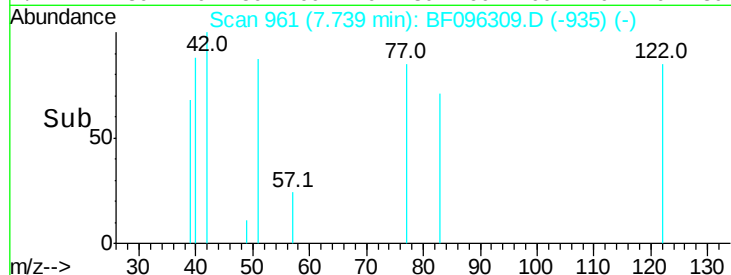
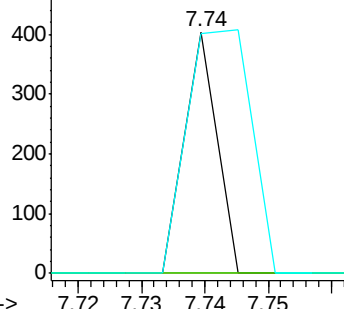
BNA_F

ClientSampled :

Tot Ion:122 Resp: 143
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 99.3 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

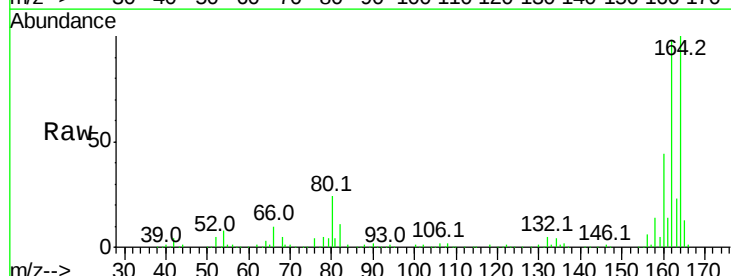
RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

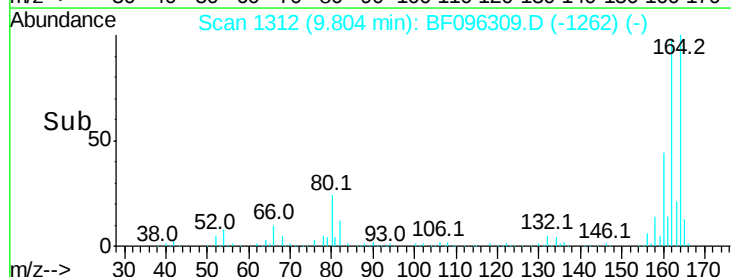
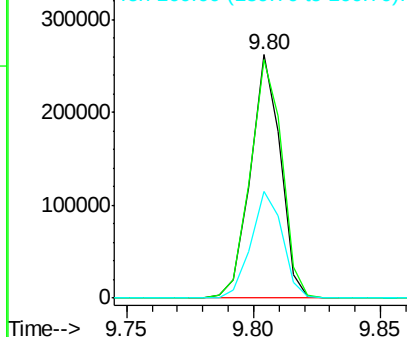
Lab File: BF096309.D

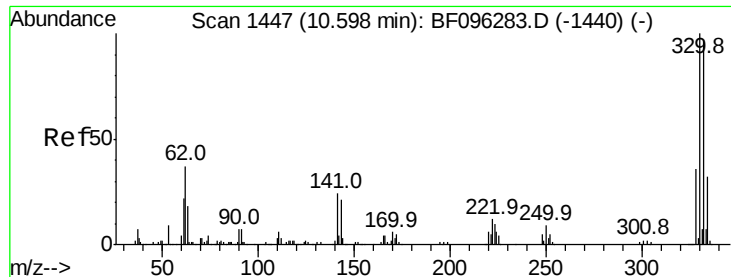
Acq: 29 Jun 2017 23:20

Tgt Ion:164 Resp: 215281
 Ion Ratio Lower Upper
 164 100
 162 98.0 82.6 123.8
 160 43.9 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

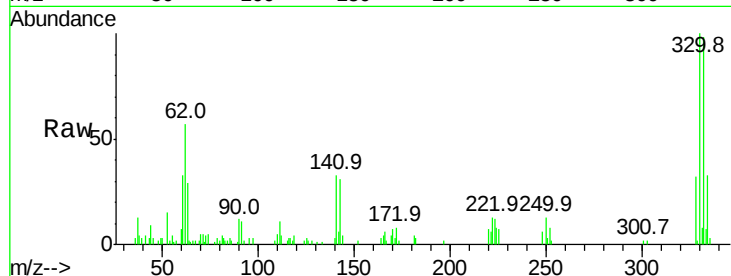




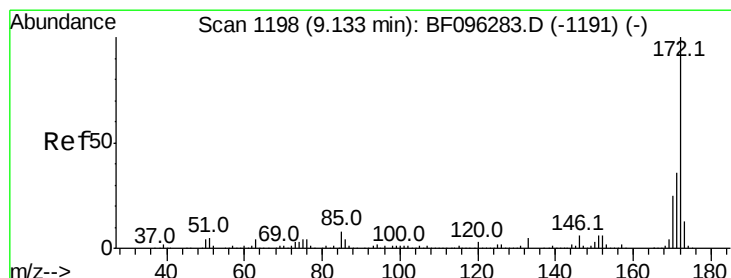
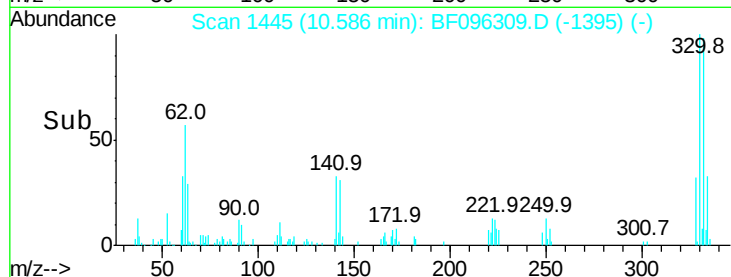
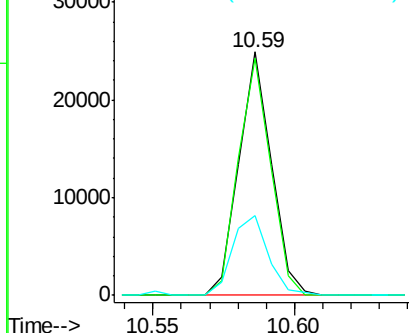
#41
 2,4,6-Tribromophenol
 Concen: 11.77 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096309.D
 Acq: 29 Jun 2017 23:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	36.5	31.4	47.2

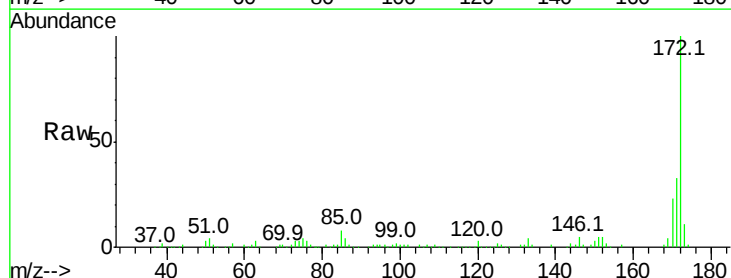


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

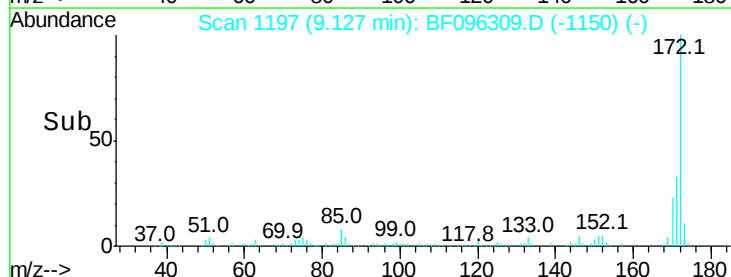
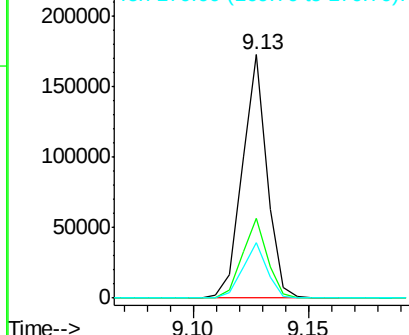


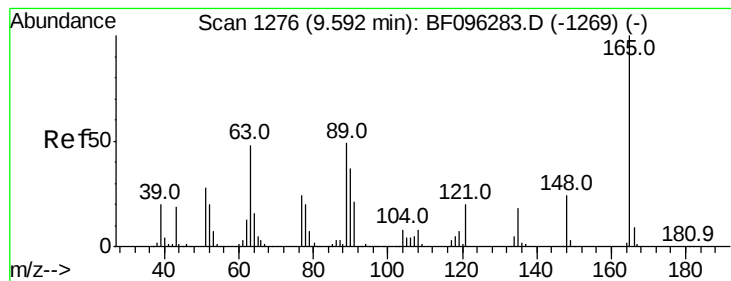
#44
 2-Fluorobiphenyl
 Concen: 10.93 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096309.D
 Acq: 29 Jun 2017 23:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	29.6	44.4
170	22.6	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: 8.61 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

Instrument :

BNA_F

ClientSampleId :

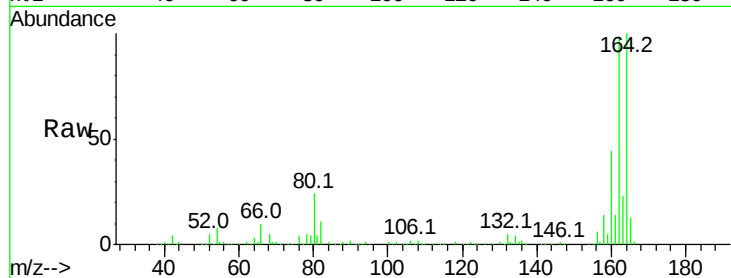
Tot Ion:165 Resp: 27606

Ion Ratio Lower Upper

165 100

63 2.3 34.3 51.5#

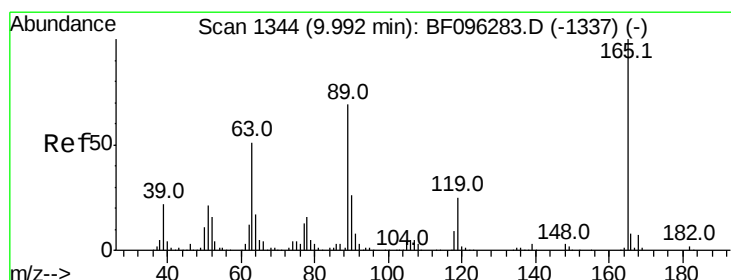
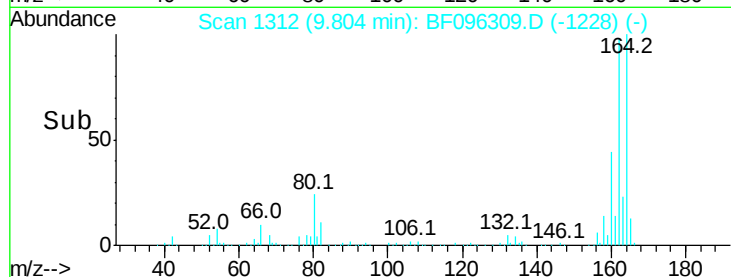
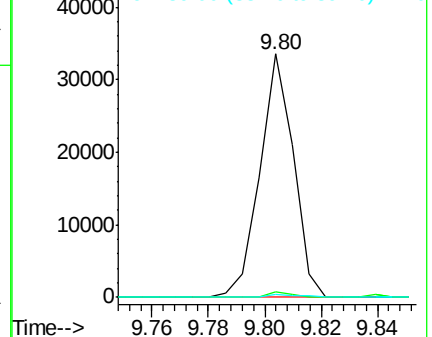
89 1.4 37.1 55.7#



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: 6.83 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

Tgt Ion:165 Resp: 27606

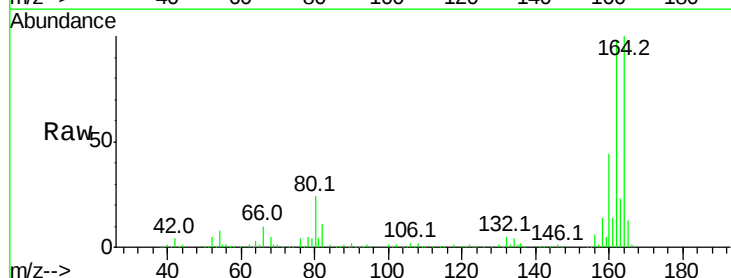
Ion Ratio Lower Upper

165 100

63 2.3 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

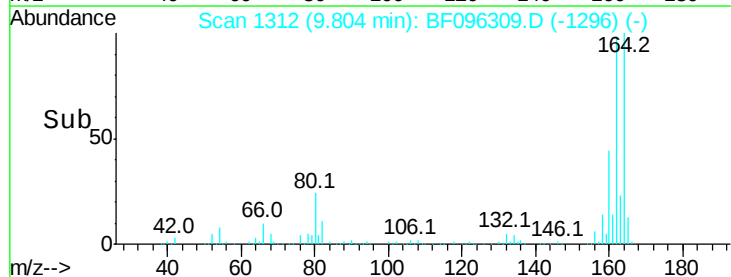
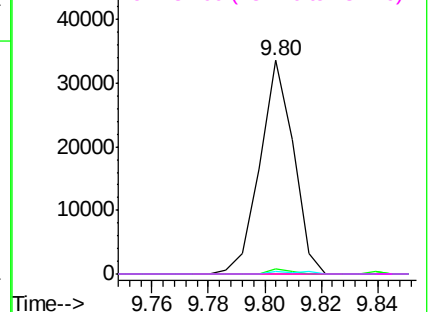


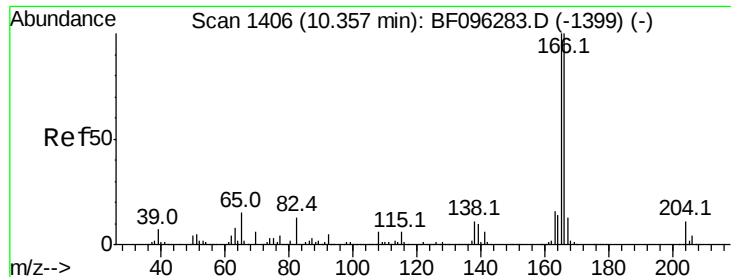
Abundance Ion 165.00 (164.70 to 165.70): E

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

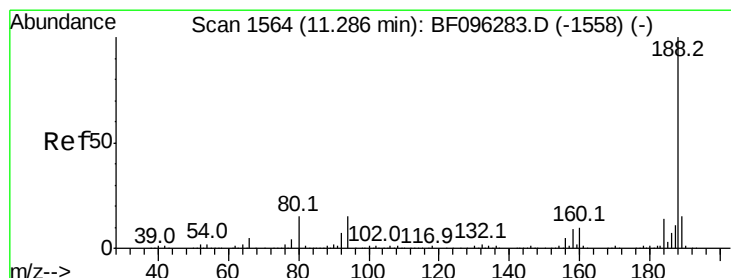
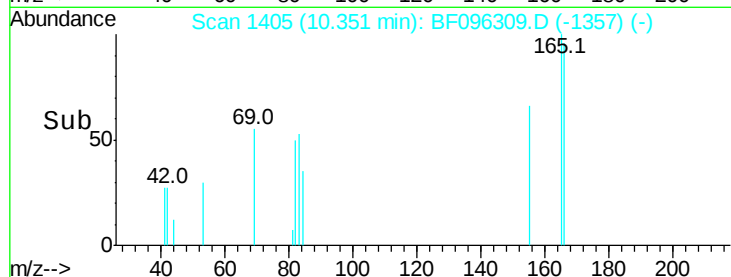
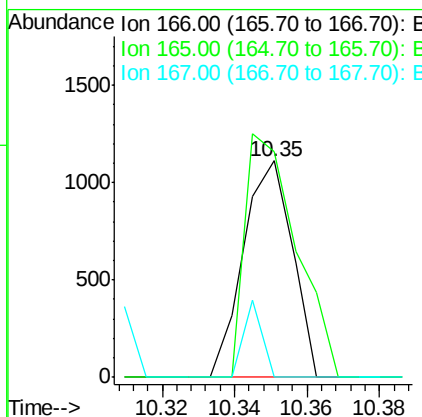
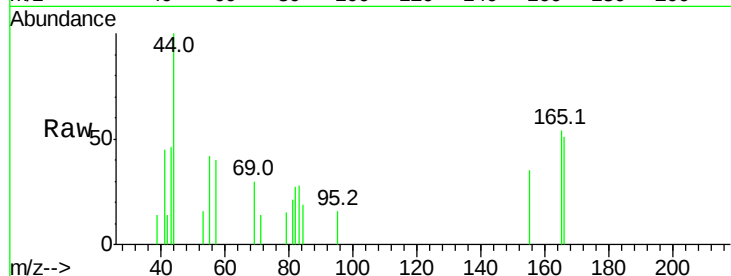




#57
Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096309.D
 Acq: 29 Jun 2017 23:20

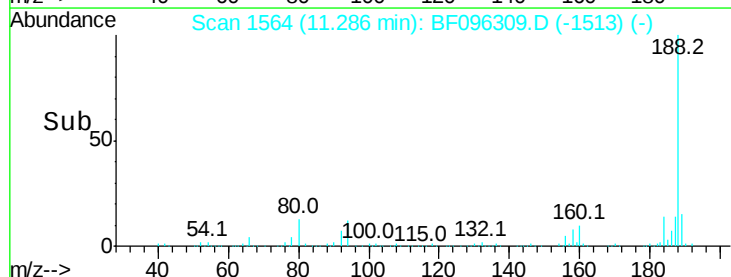
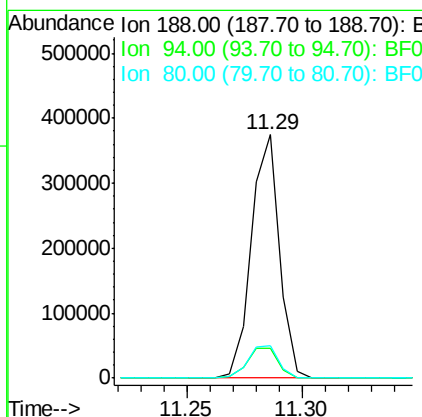
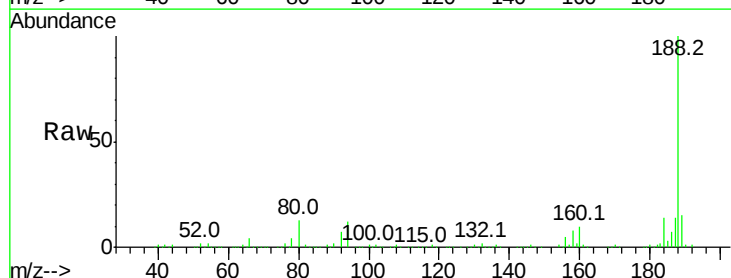
Instrument :
 BNA_F
 ClientSampleId :

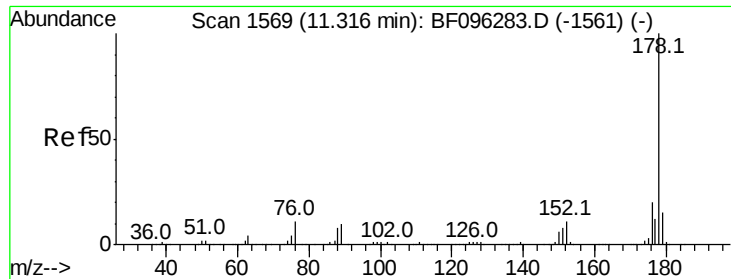
Tot Ion:166 Resp: 1039
 Ion Ratio Lower Upper
 166 100
 165 104.1 78.8 118.2
 167 0.0 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096309.D
 Acq: 29 Jun 2017 23:20

Tgt Ion:188 Resp: 318472
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 13.1 10.2 15.2

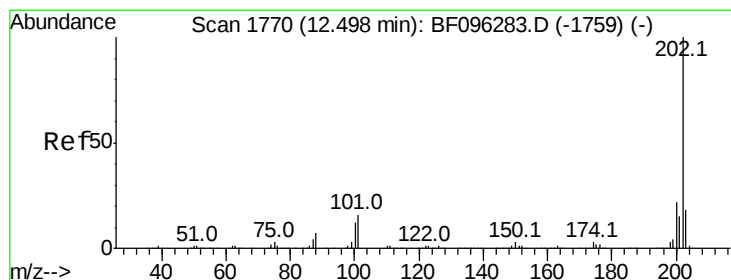
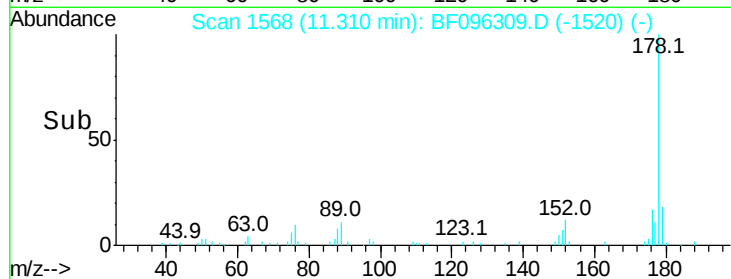
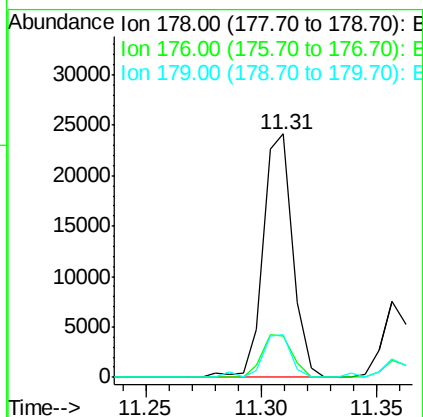
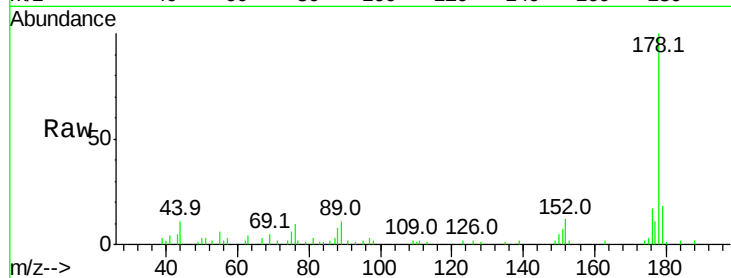




#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096309.D
Acq: 29 Jun 2017 23:20

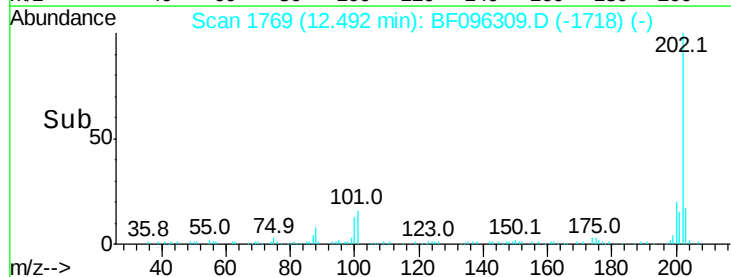
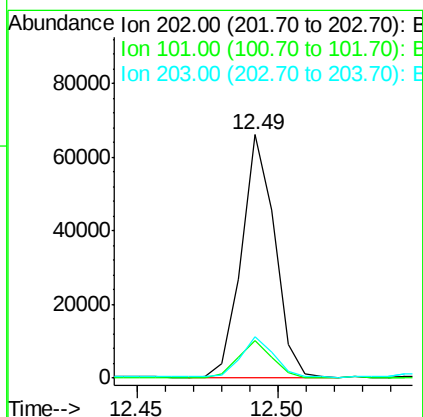
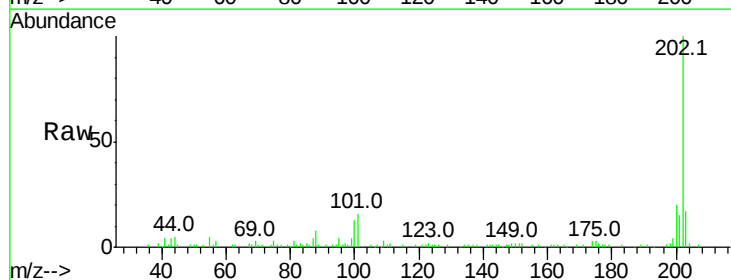
Instrument :
BNA_F
ClientSampleId :

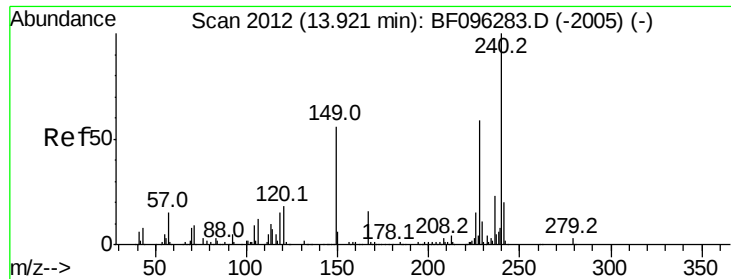
Tot Ion:178 Resp: 21501
Ion Ratio Lower Upper
178 100
176 17.2 16.2 24.4
179 17.6 12.6 19.0



#74
Fluoranthene
Concen: 3.06 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BF096309.D
Acq: 29 Jun 2017 23:20

Tgt Ion:202 Resp: 54168
Ion Ratio Lower Upper
202 100
101 15.6 0.0 33.2
203 16.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

Instrument :

BNA_F

ClientSampleId :

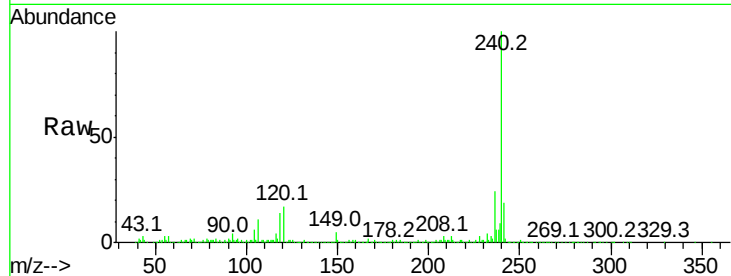
Tot Ion:240 Resp: 309972

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

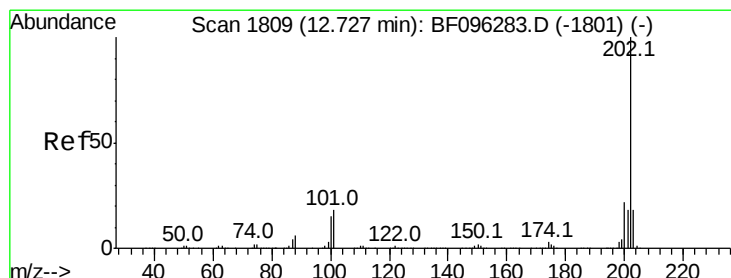
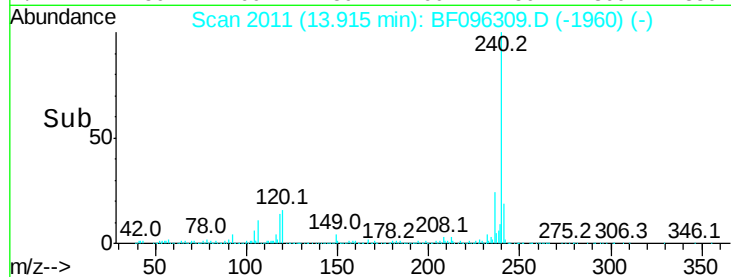
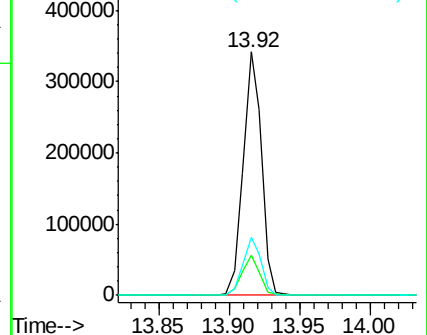
236 23.7 20.5 30.7



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: 2.00 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

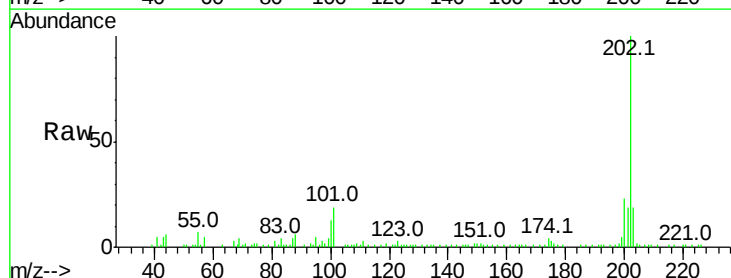
Tgt Ion:202 Resp: 51025

Ion Ratio Lower Upper

202 100

200 23.3 17.6 26.4

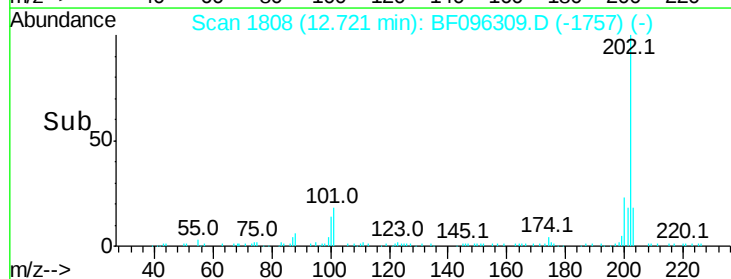
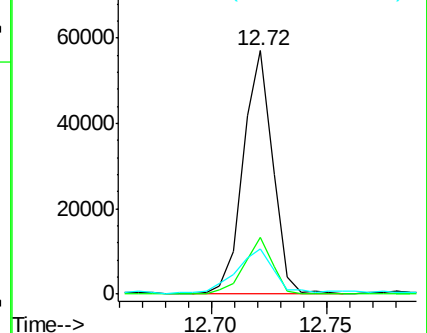
203 18.6 14.4 21.6

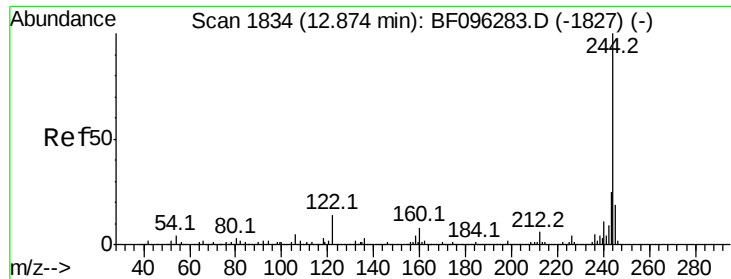


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.83 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

Instrument :

BNA_F

ClientSampleId :

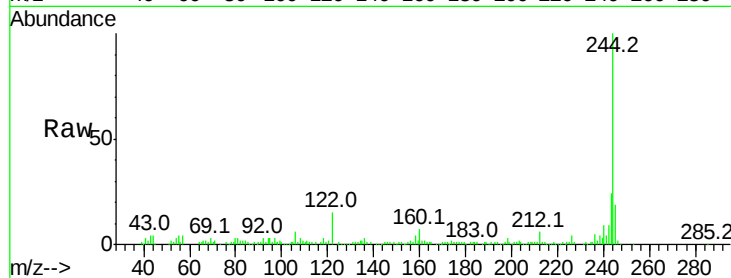
Tot Ion:244 Resp: 84831

Ion Ratio Lower Upper

244 100

212 5.5 6.0 9.0#

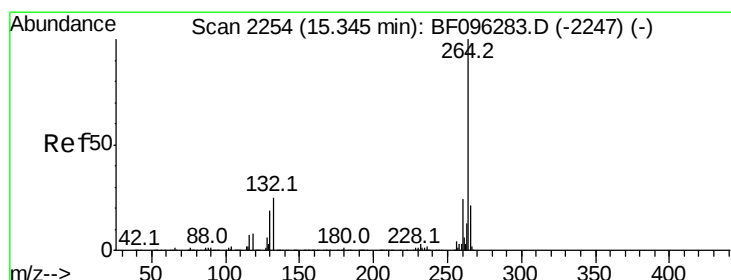
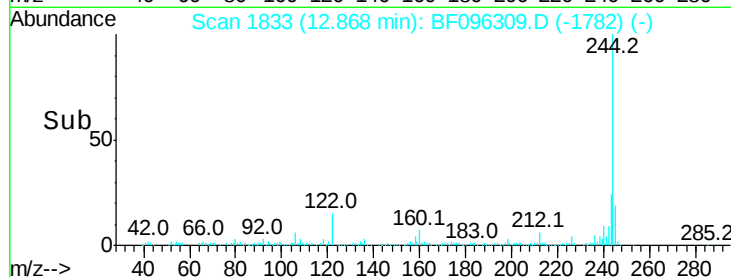
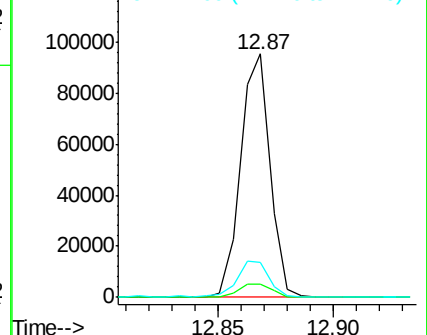
122 14.6 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096309.D

Acq: 29 Jun 2017 23:20

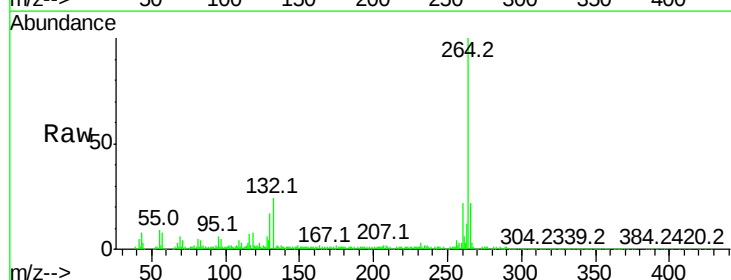
Tgt Ion:264 Resp: 216422

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

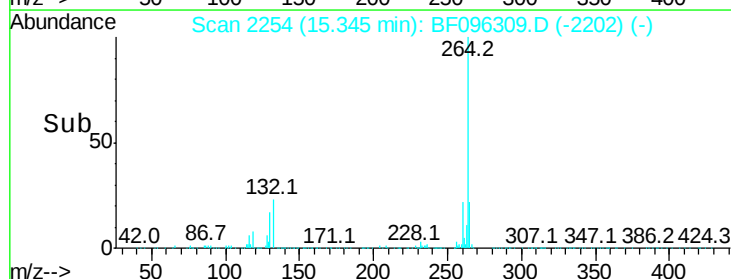
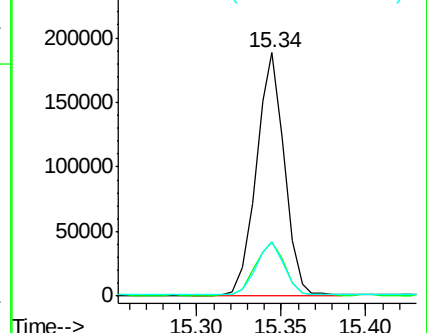
265 22.1 17.2 25.8

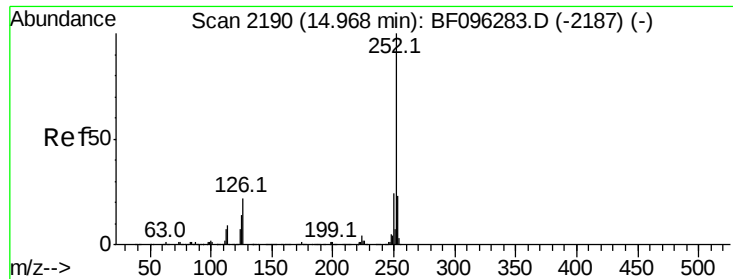


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

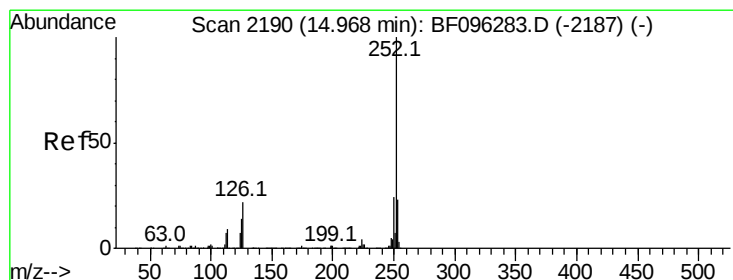
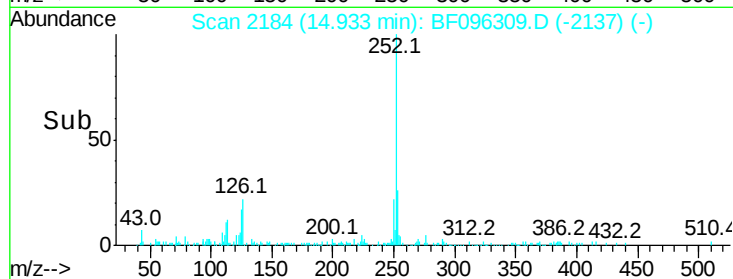
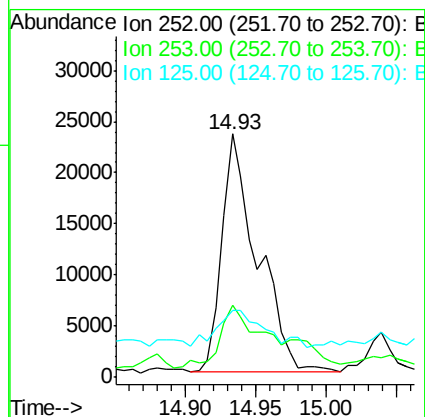
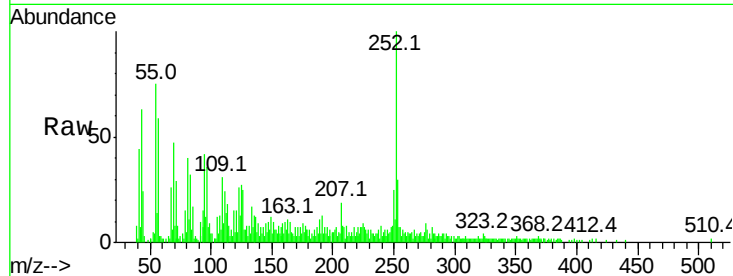




#87
Benzo(b)fluoranthene
Concen: 2.89 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096309.D
Acq: 29 Jun 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 41038
Ion Ratio Lower Upper
252 100
253 29.6 18.1 27.1#
125 27.5 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 3.16 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096309.D
Acq: 29 Jun 2017 23:20

Tgt Ion:252 Resp: 41038
Ion Ratio Lower Upper
252 100
253 29.6 18.4 27.6#
125 27.5 13.1 19.7#

