

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096280.D
 Acq On : 29 Jun 2017 6:27
 Operator : SJ/MA
 Sample : I3909-03 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 07:56:15 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

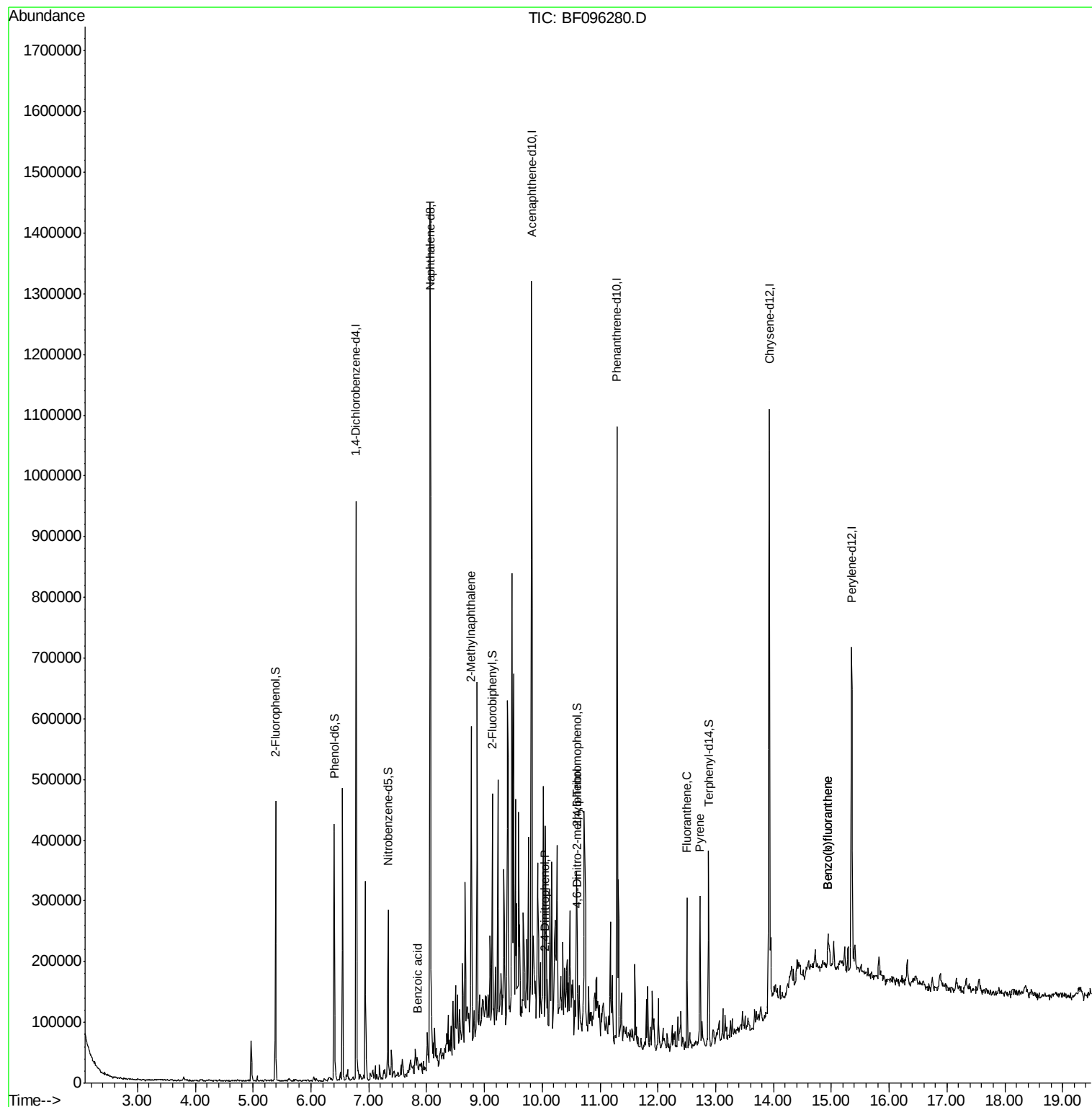
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	133957	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	523220	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	212100	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	347075	20.00	ng	0.00
75) Chrysene-d12	13.93	240	322166	20.00	ng	0.01
86) Perylene-d12	15.35	264	227246	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	111509	11.99	ng	0.00
7) Phenol-d6	6.40	99	136415	12.12	ng	0.01
23) Nitrobenzene-d5	7.33	82	63958	8.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	23318	13.97	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	100269	8.66	ng	-0.01
78) Terphenyl-d14	12.87	244	84944	6.58	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	282	Below Cal	#	1
32) Benzoic acid	7.85	122	2239	9.12	ng	98
37) 2-Methylnaphthalene	8.77	142	120490	7.36	ng	97
53) 2,4-Dinitrophenol	10.04	184	233	7.77	ng	# 1
57) Fluorene	10.36	166	17009	Below Cal	#	89
60) 4-Chlorophenyl-phenylether	10.26	204	116	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.61	198	143	8.81	ng	# 1
70) Phenanthrene	11.32	178	83610	Below Cal		97
74) Fluoranthene	12.50	202	86062	4.46	ng	98
77) Pyrene	12.73	202	93662	3.54	ng	98
87) Benzo(b)fluoranthene	14.94	252	37769	2.53	ng	# 87
88) Benzo(k)fluoranthene	14.94	252	37769	2.77	ng	# 91

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

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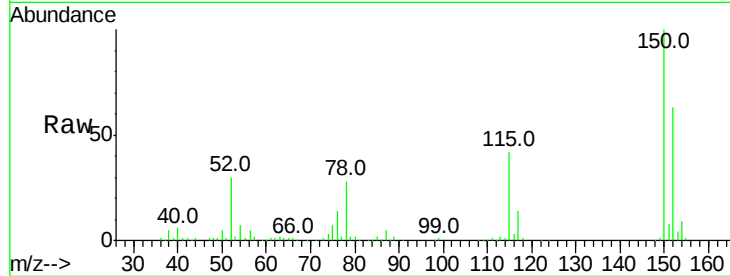


#1

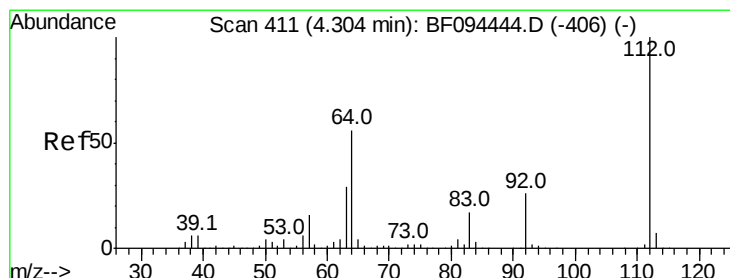
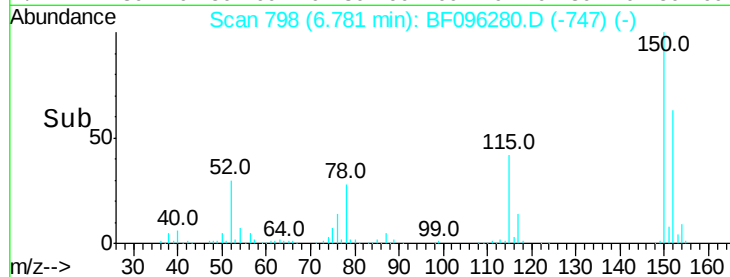
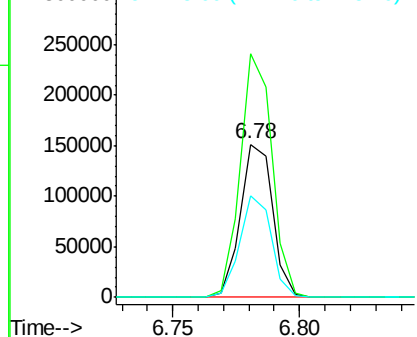
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096280.D
Acq: 29 Jun 2017 6:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 133957
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 66.2 52.2 78.2



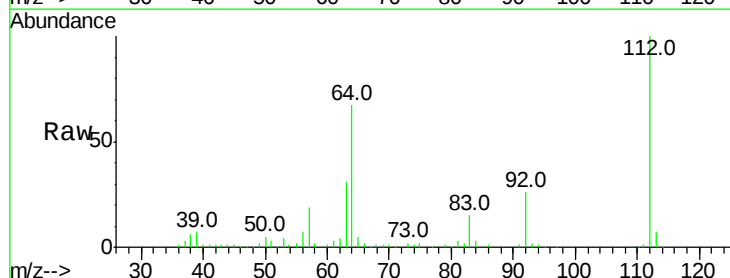
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



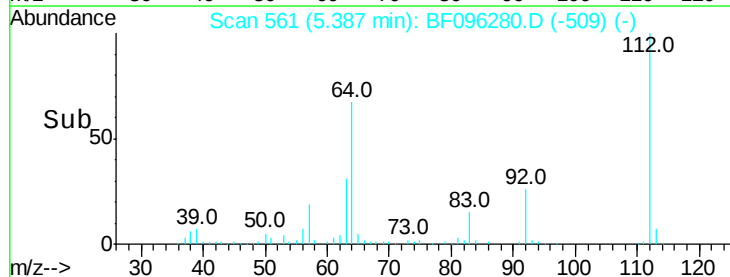
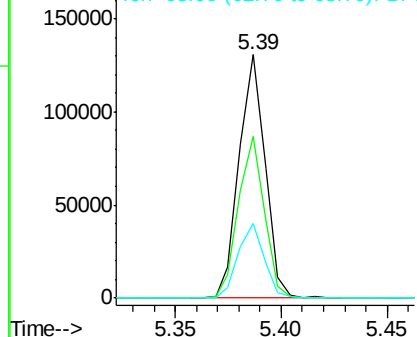
#5

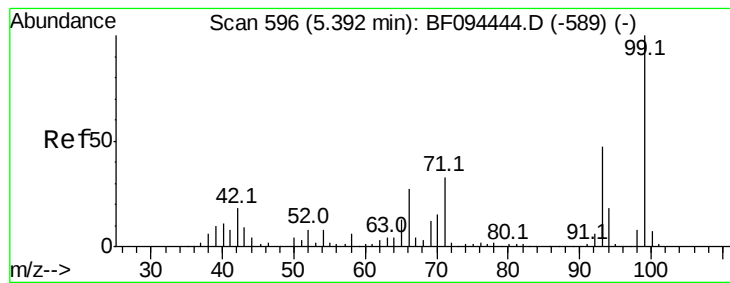
2-Fluorophenol
Concen: 11.99 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096280.D
Acq: 29 Jun 2017 6:27

Tgt Ion:112 Resp: 111509
Ion Ratio Lower Upper
112 100
64 66.6 46.0 69.0
63 30.6 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: 12.12 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

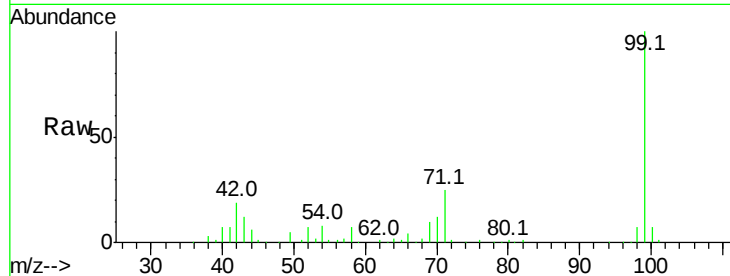
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 136415

Ion	Ratio	Lower	Upper
99	100		
42	19.2	13.5	20.3
71	25.3	24.5	36.7

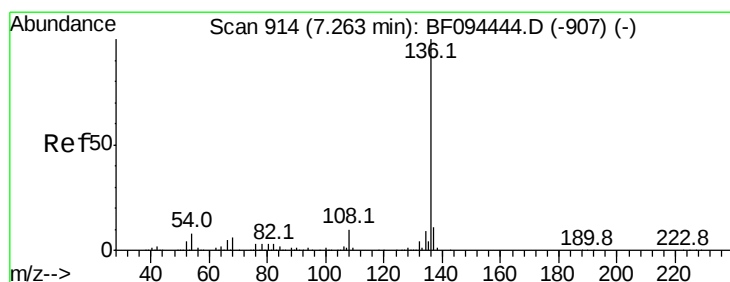
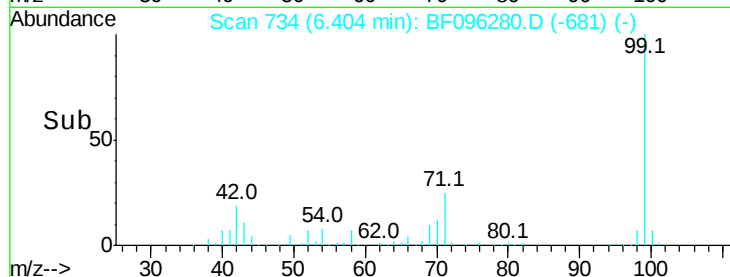
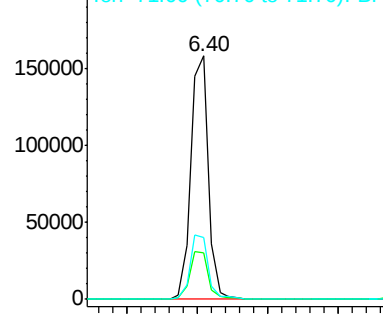


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

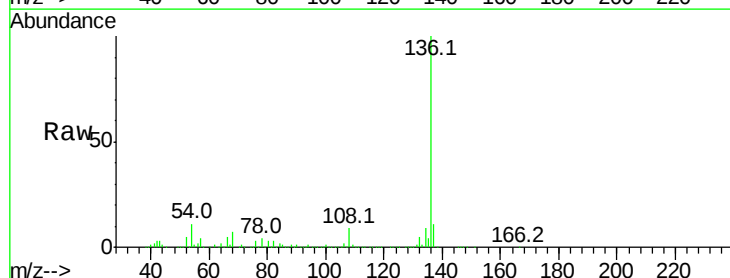
Delta R.T. 0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

Tgt Ion: 136 Resp: 523220

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.4	4.9	7.3#
68	7.2	4.1	6.1#



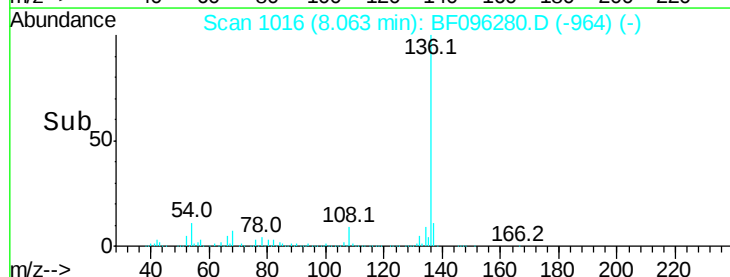
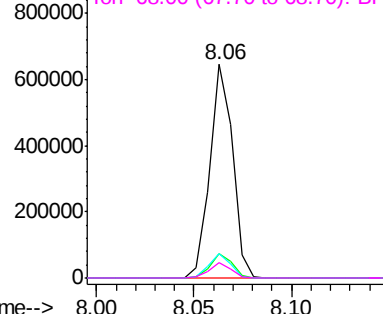
Abundance

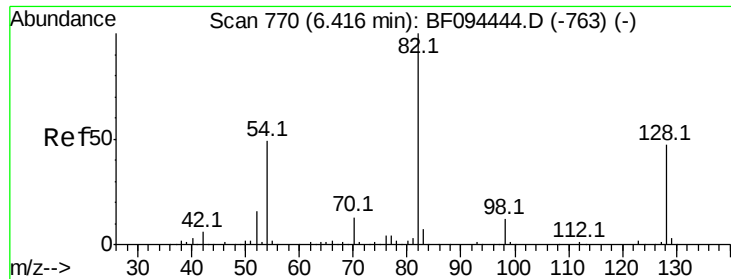
Ion 136.00 (135.70 to 136.70): E

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

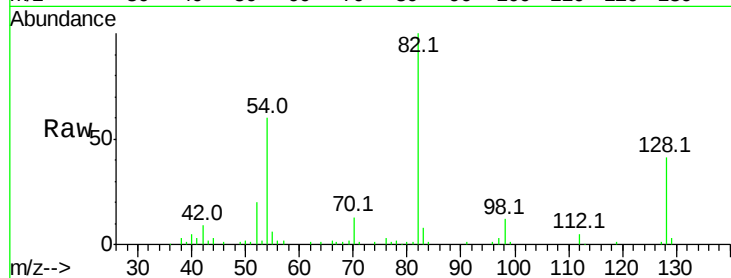




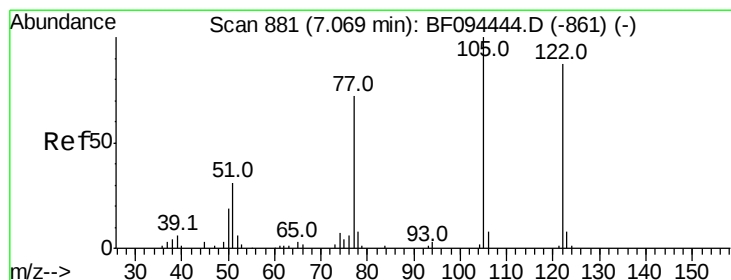
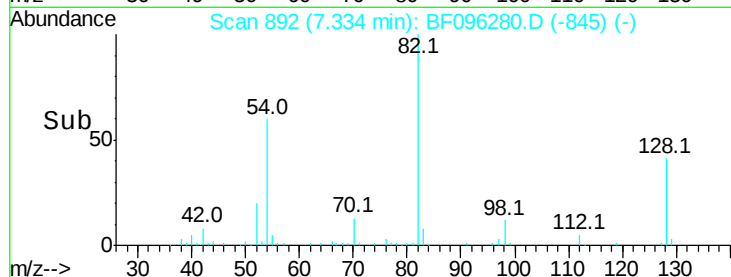
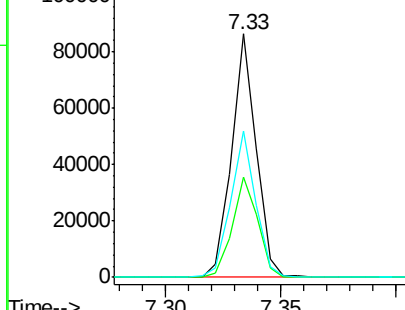
#23
Nitrobenzene-d5
Concen: 8.46 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096280.D
Acq: 29 Jun 2017 6:27

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	63958
Ion Ratio	100	Lower	Upper
128	41.4	34.0	51.0
54	60.1	42.2	63.2

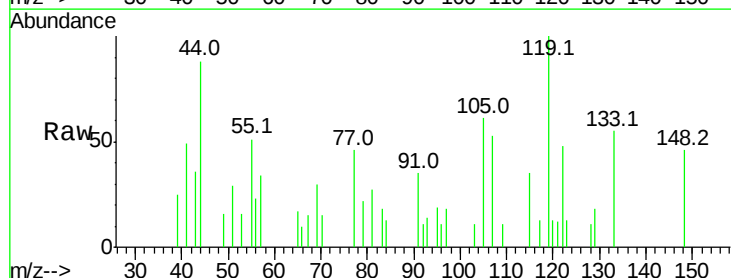


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

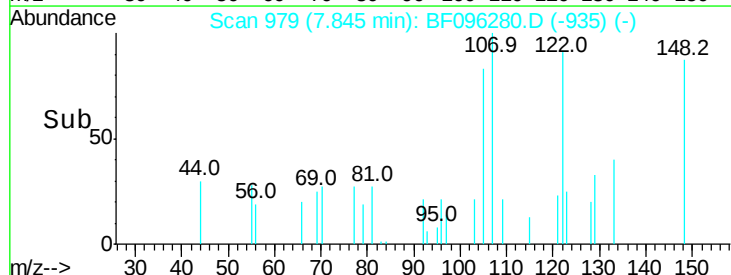
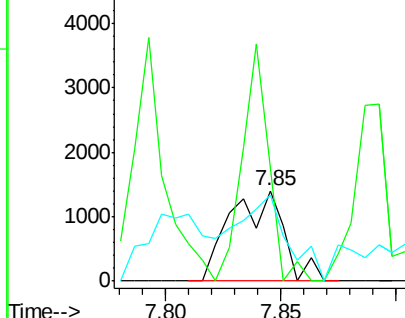


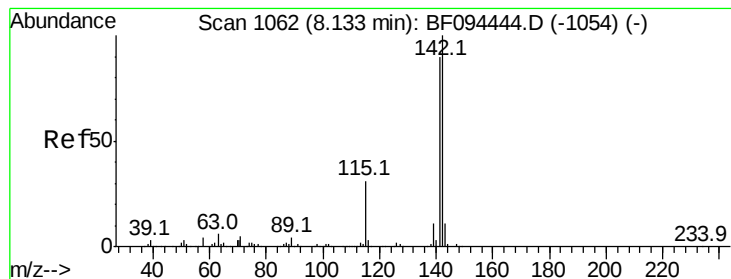
#32
Benzoic acid
Concen: 9.12 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.04 min
Lab File: BF096280.D
Acq: 29 Jun 2017 6:27

Tgt Ion	122	Resp	2239
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	125.5	103.3	143.3
77	95.6	73.7	113.7



Abundance Ion 122.00 (121.70 to 122.70): B
Ion 105.00 (104.70 to 105.70): B
Ion 77.00 (76.70 to 77.70): BF0

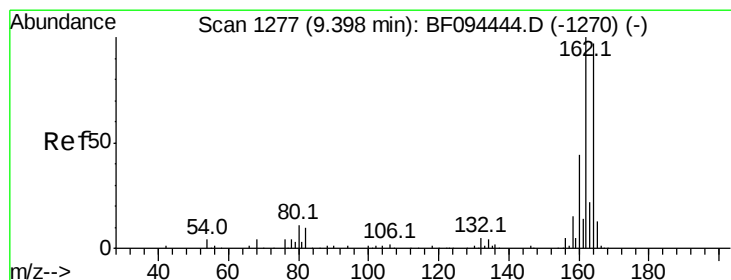
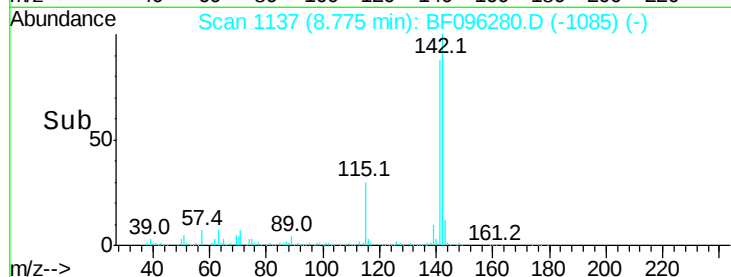
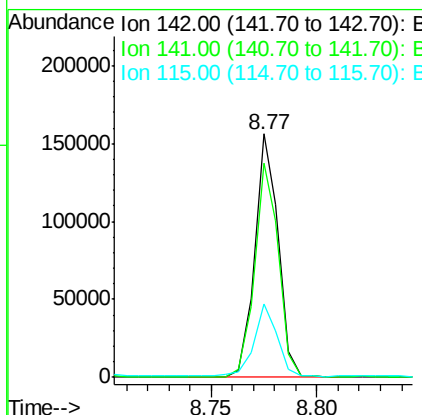
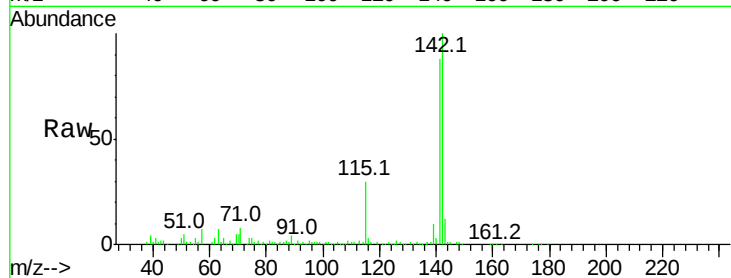




#37
 2-Methylnaphthalene
 Concen: 7.36 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: BF096280.D
 Acq: 29 Jun 2017 6:27

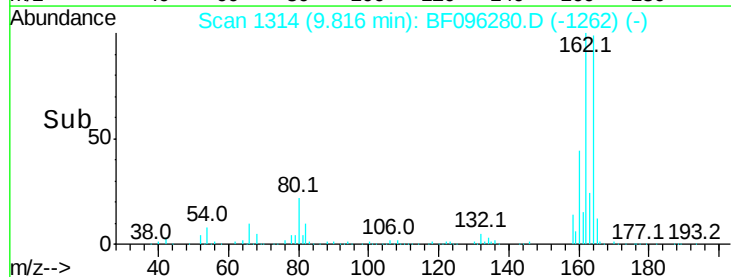
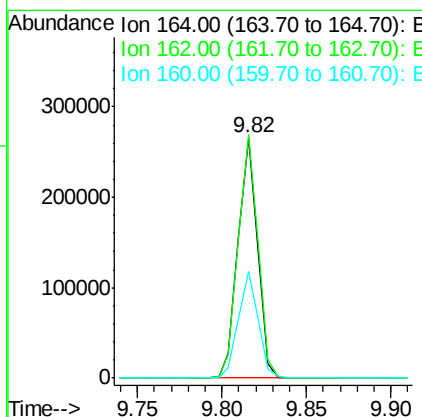
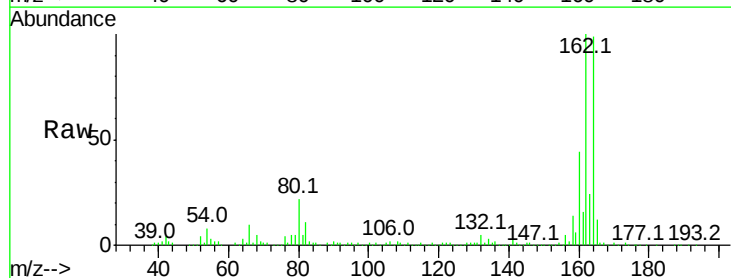
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	30.1	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096280.D
 Acq: 29 Jun 2017 6:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	44.5	36.2	54.2

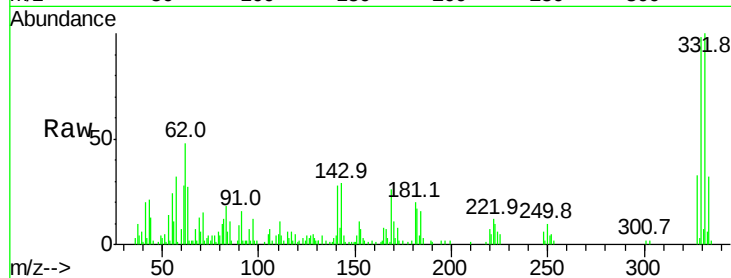




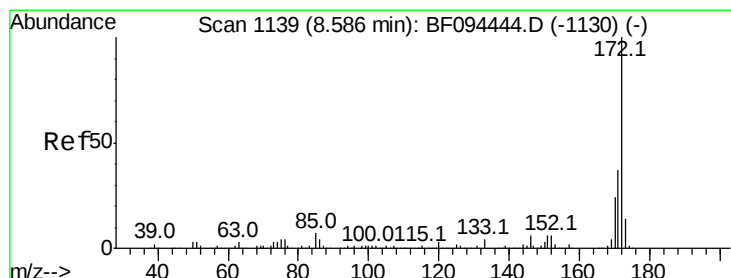
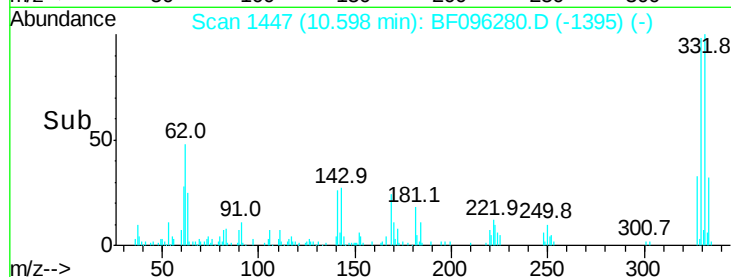
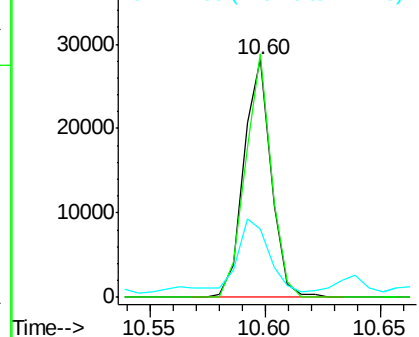
#41
 2,4,6-Tribromophenol
 Concen: 13.97 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096280.D
 Acq: 29 Jun 2017 6:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 23318
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 40.2 31.4 47.2

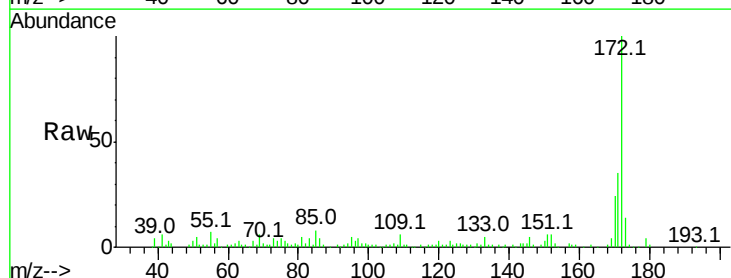


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

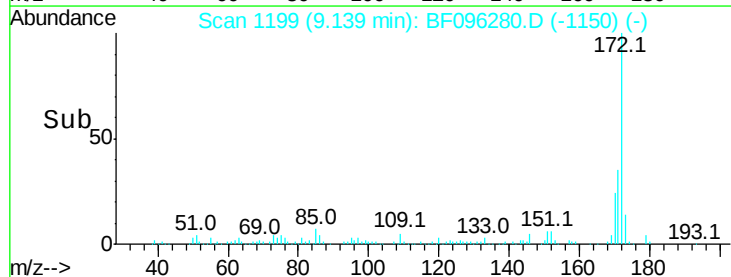
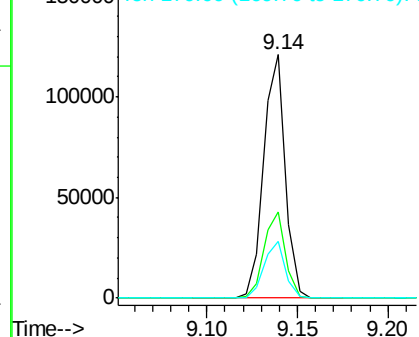


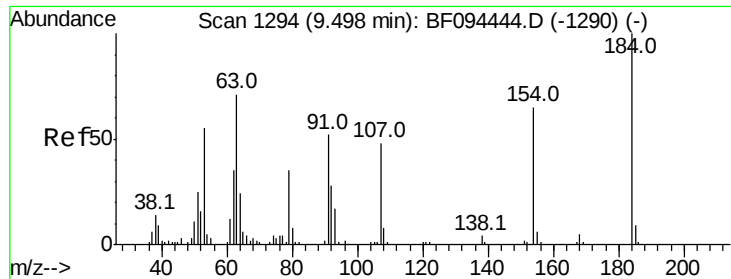
#44
 2-Fluorobiphenyl
 Concen: 8.66 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096280.D
 Acq: 29 Jun 2017 6:27

Tgt Ion:172 Resp: 100269
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.5 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

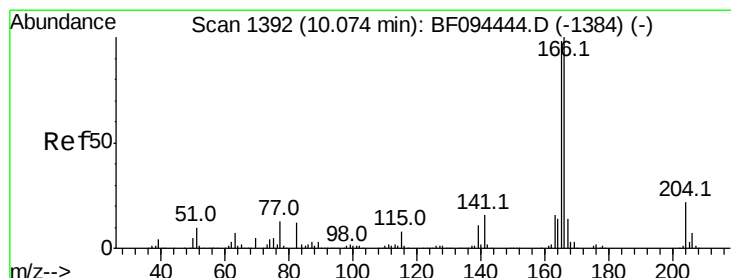
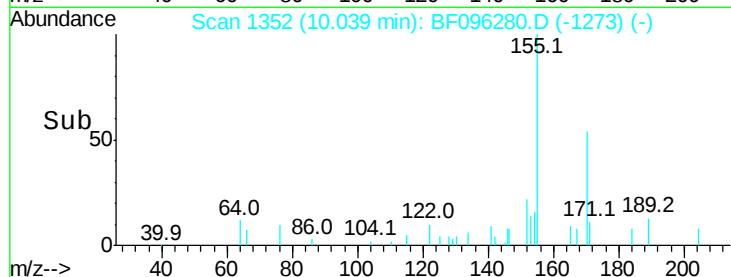
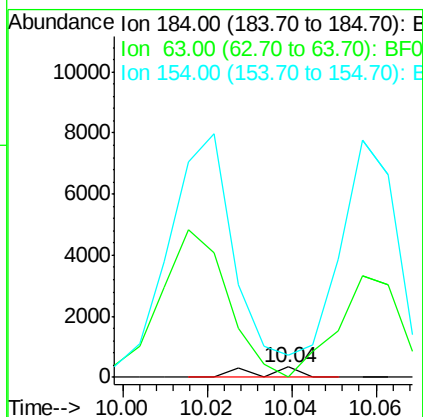
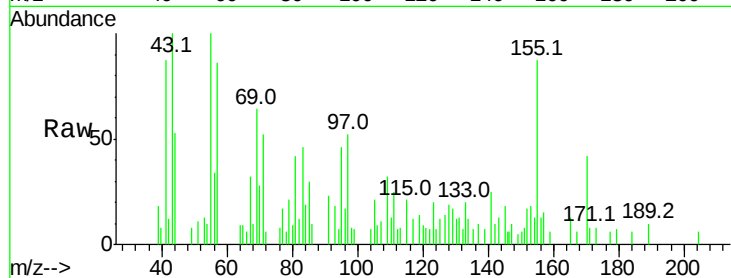




#53
2,4-Dinitrophenol
Concen: 7.77 na
RT: 10.04 min Scan# 1352
Delta R.T. 0.17 min
Lab File: BF096280.D
Acq: 29 Jun 2017 6:27

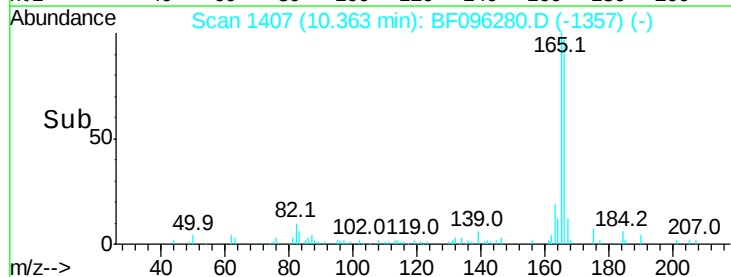
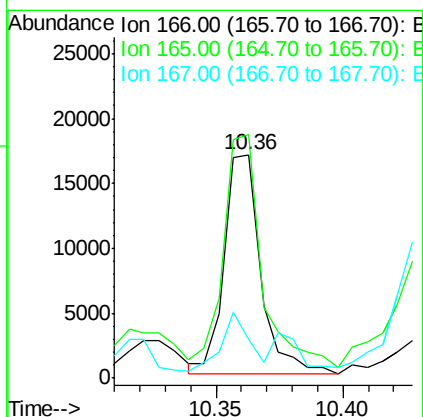
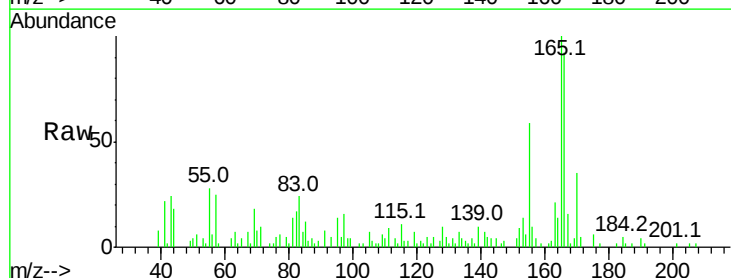
Instrument :
BNA_G
ClientSampleId :

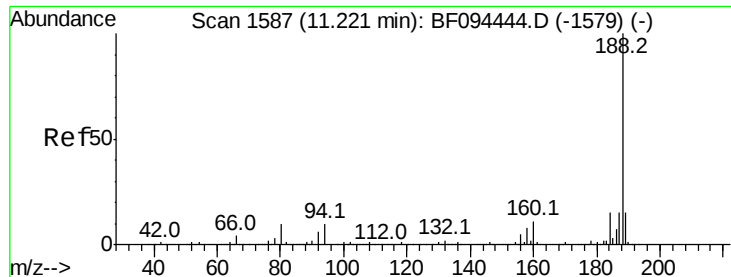
Tot Ion:184 Resp: 233
Ion Ratio Lower Upper
184 100
63 0.0 62.7 94.1#
154 210.7 81.1 121.7#



#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF096280.D
Acq: 29 Jun 2017 6:27

Tgt Ion:166 Resp: 17009
Ion Ratio Lower Upper
166 100
165 109.0 78.8 118.2
167 17.5 10.6 16.0#

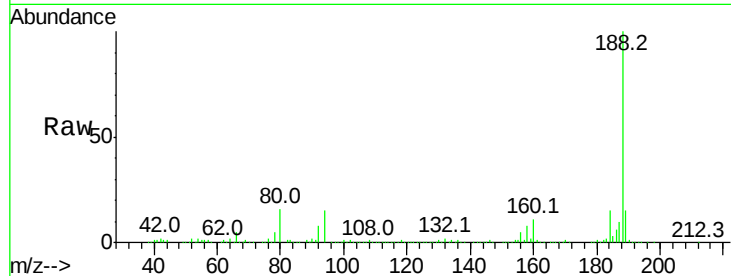




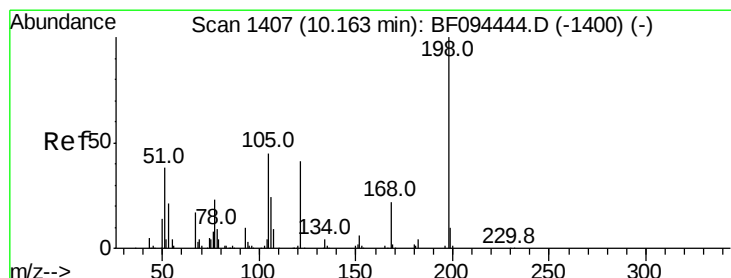
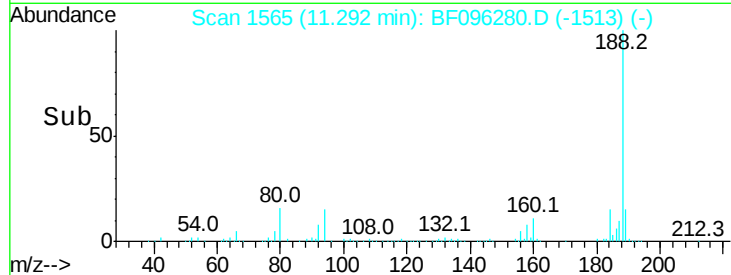
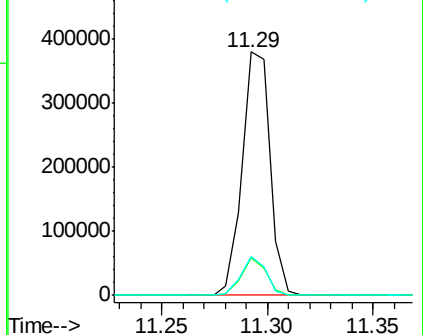
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096280.D
 Acq: 29 Jun 2017 6:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 347075
 Ion Ratio Lower Upper
 188 100
 94 15.3 9.4 14.2#
 80 16.2 10.2 15.2#

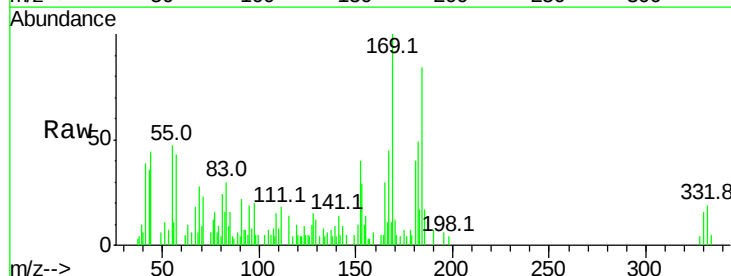


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

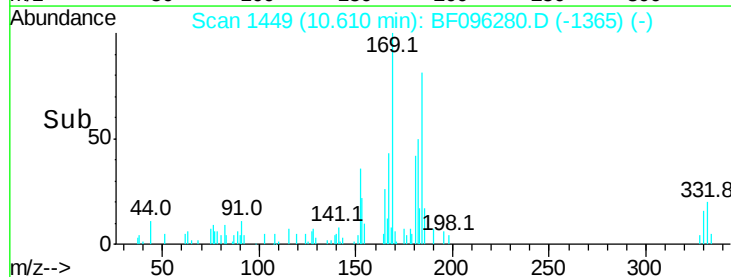
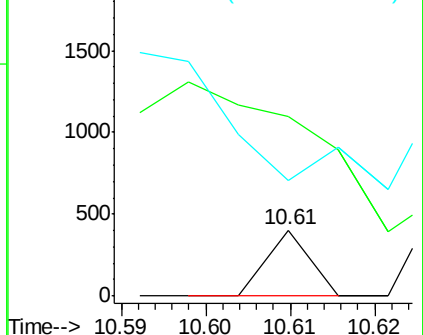


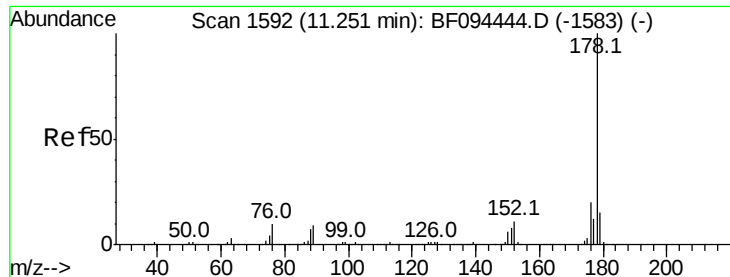
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.81 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.19 min
 Lab File: BF096280.D
 Acq: 29 Jun 2017 6:27

Tgt Ion:198 Resp: 143
 Ion Ratio Lower Upper
 198 100
 51 271.4 53.2 93.2#
 105 174.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: Below Cal

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

Instrument :

BNA_G

ClientSampleId :

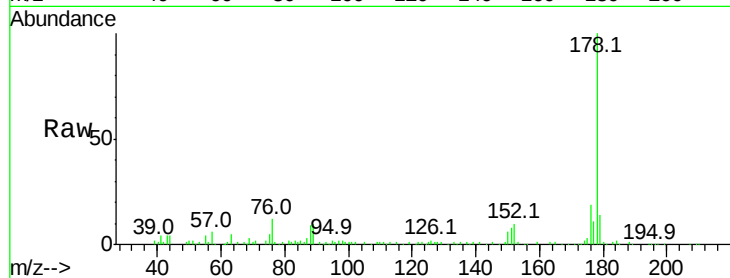
Tot Ion:178 Resp: 83610

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

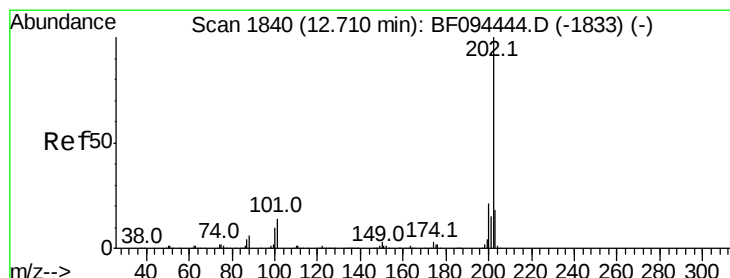
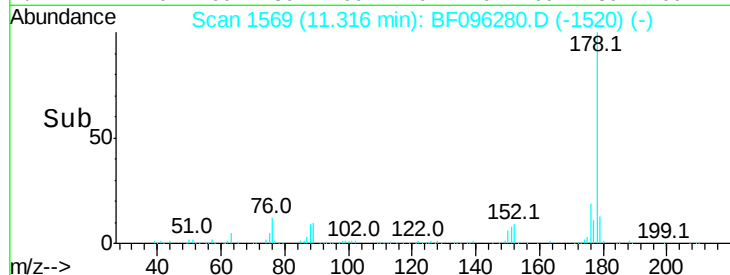
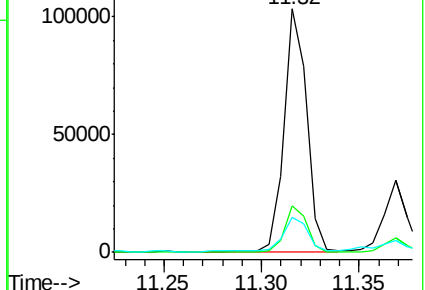
179 14.4 12.6 19.0



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: 4.46 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

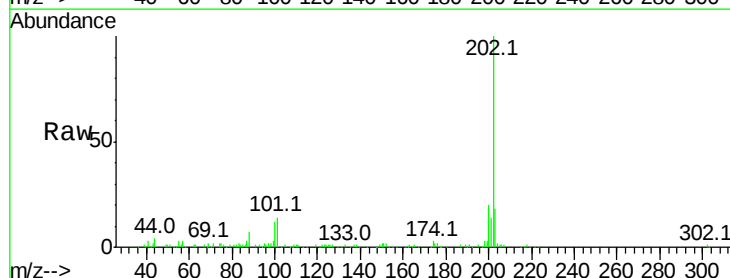
Tgt Ion:202 Resp: 86062

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

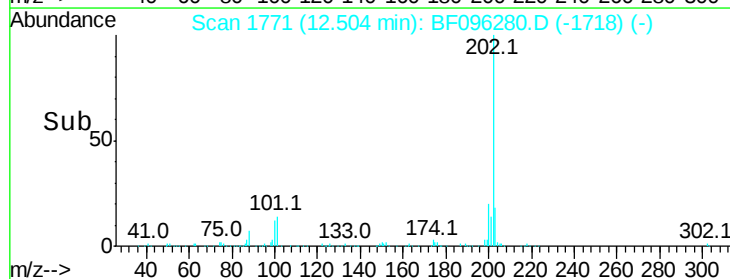
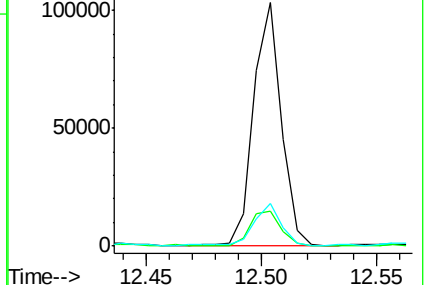
203 17.6 0.0 38.1

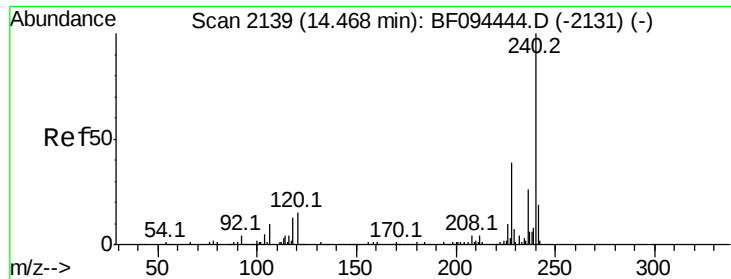


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

Instrument :

BNA_G

ClientSampleId :

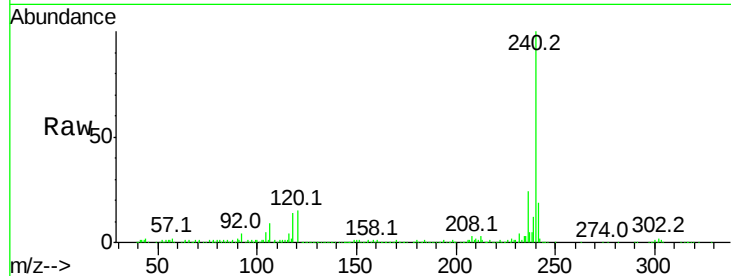
Tot Ion:240 Resp: 322166

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

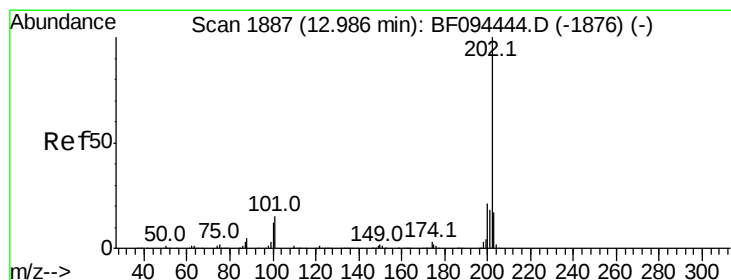
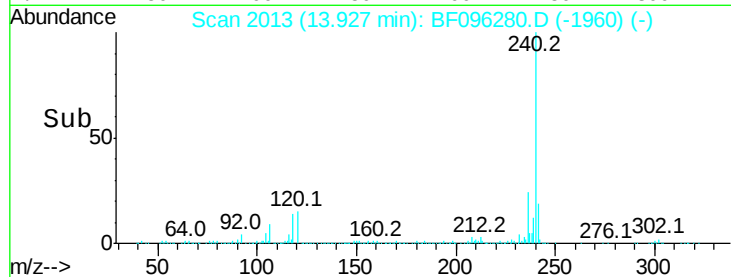
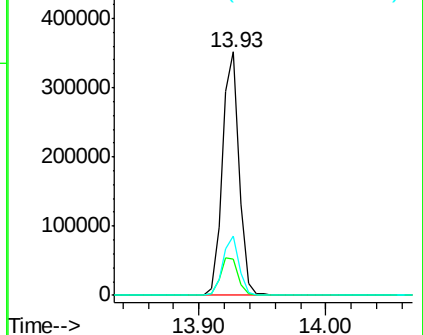
236 24.2 20.5 30.7



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: 3.54 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

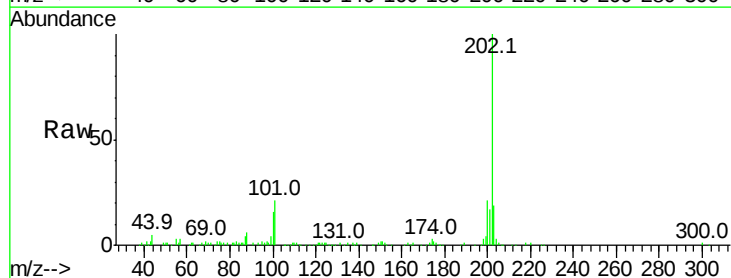
Tgt Ion:202 Resp: 93662

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

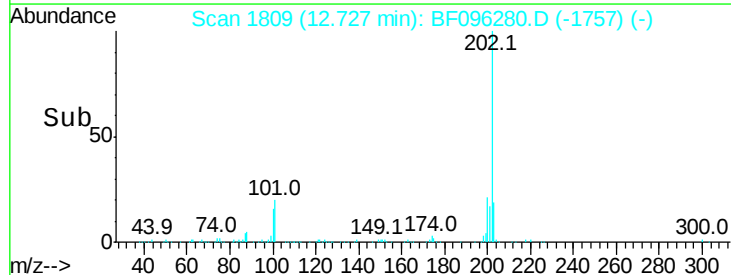
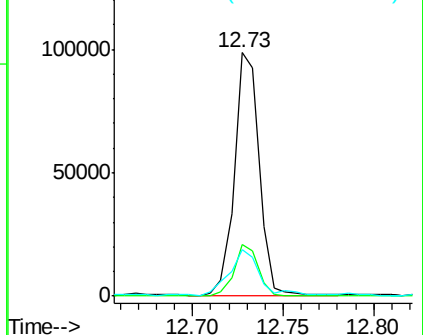
203 18.9 14.4 21.6

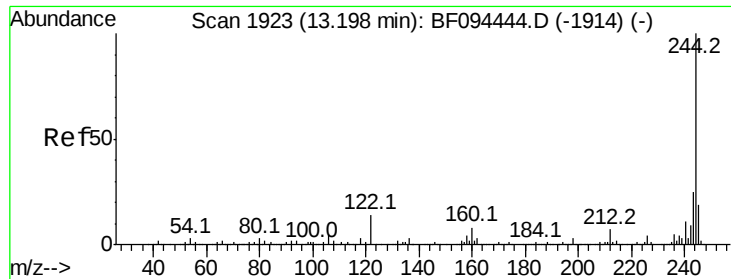


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.58 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

Instrument :

BNA_G

ClientSampleId :

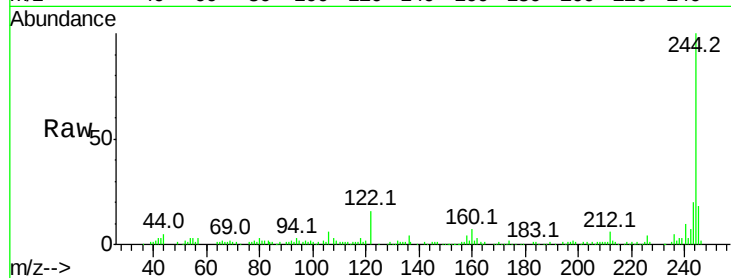
Tot Ion:244 Resp: 84944

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

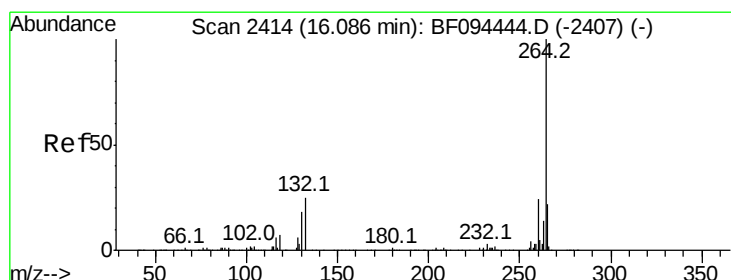
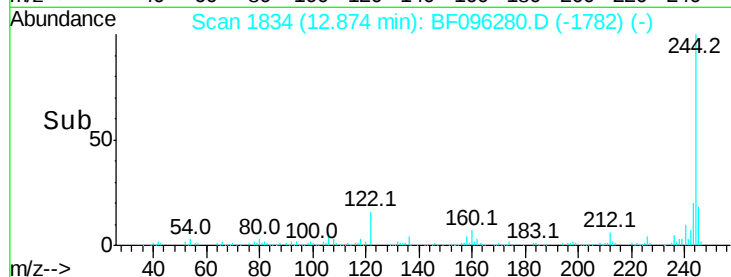
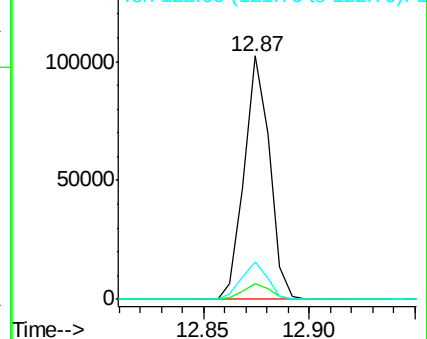
122 15.5 10.3 15.5#



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: 15.35 min Scan# 2255

Delta R.T. 0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

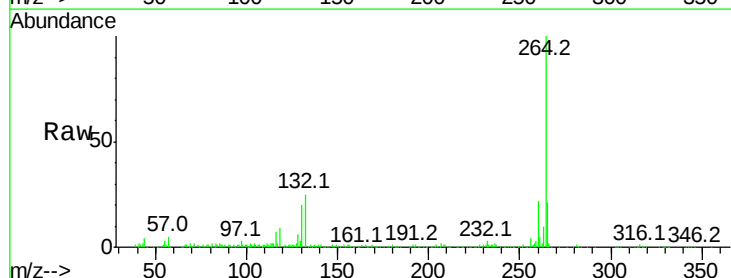
Tgt Ion:264 Resp: 227246

Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

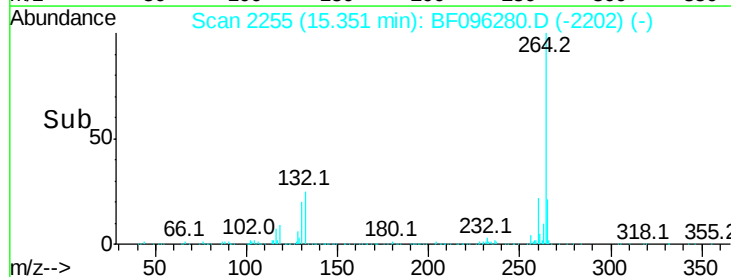
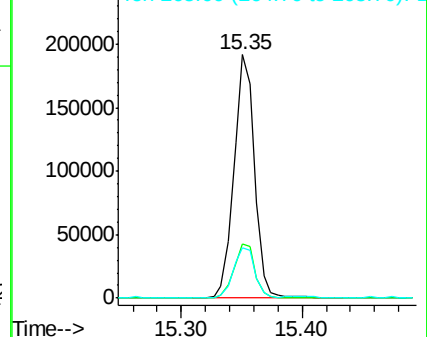
265 20.8 17.2 25.8

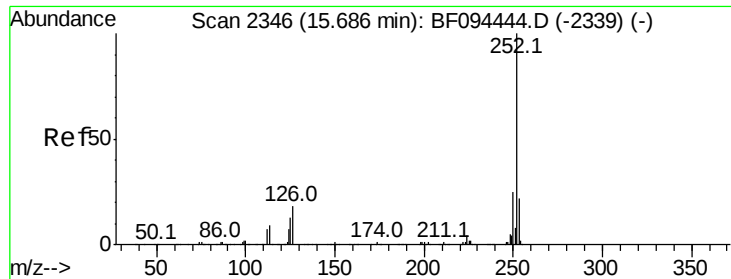


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.53 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

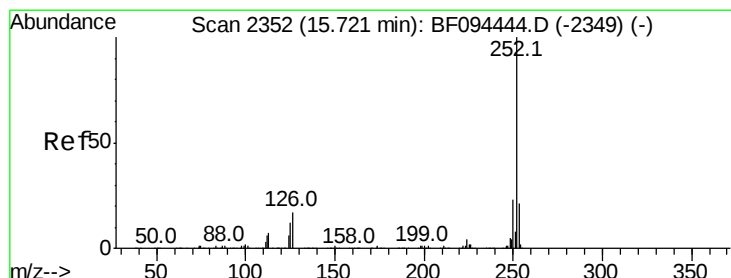
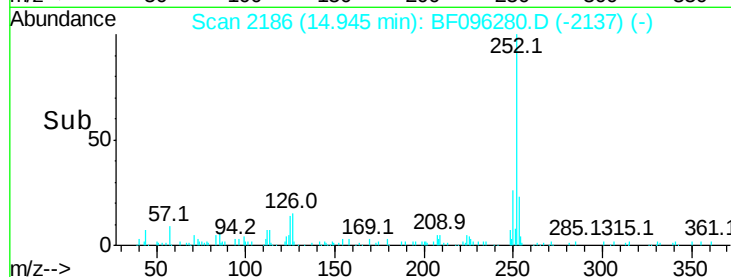
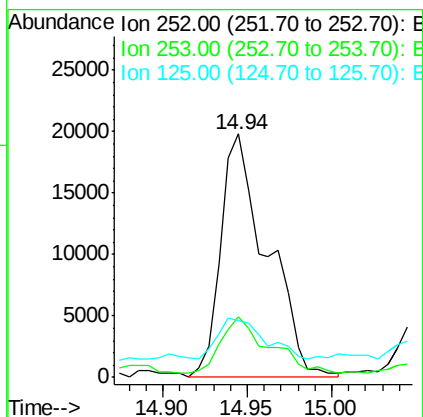
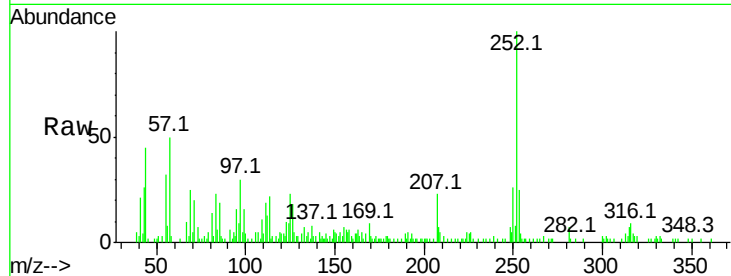
Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 37769

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	23.2	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 2.77 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF096280.D

Acq: 29 Jun 2017 6:27

Tgt Ion:252 Resp: 37769

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	23.2	13.1	19.7#

