

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096310.D
 Acq On : 29 Jun 2017 23:48
 Operator : SJ/MA
 Sample : I3882-09 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:11:04 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

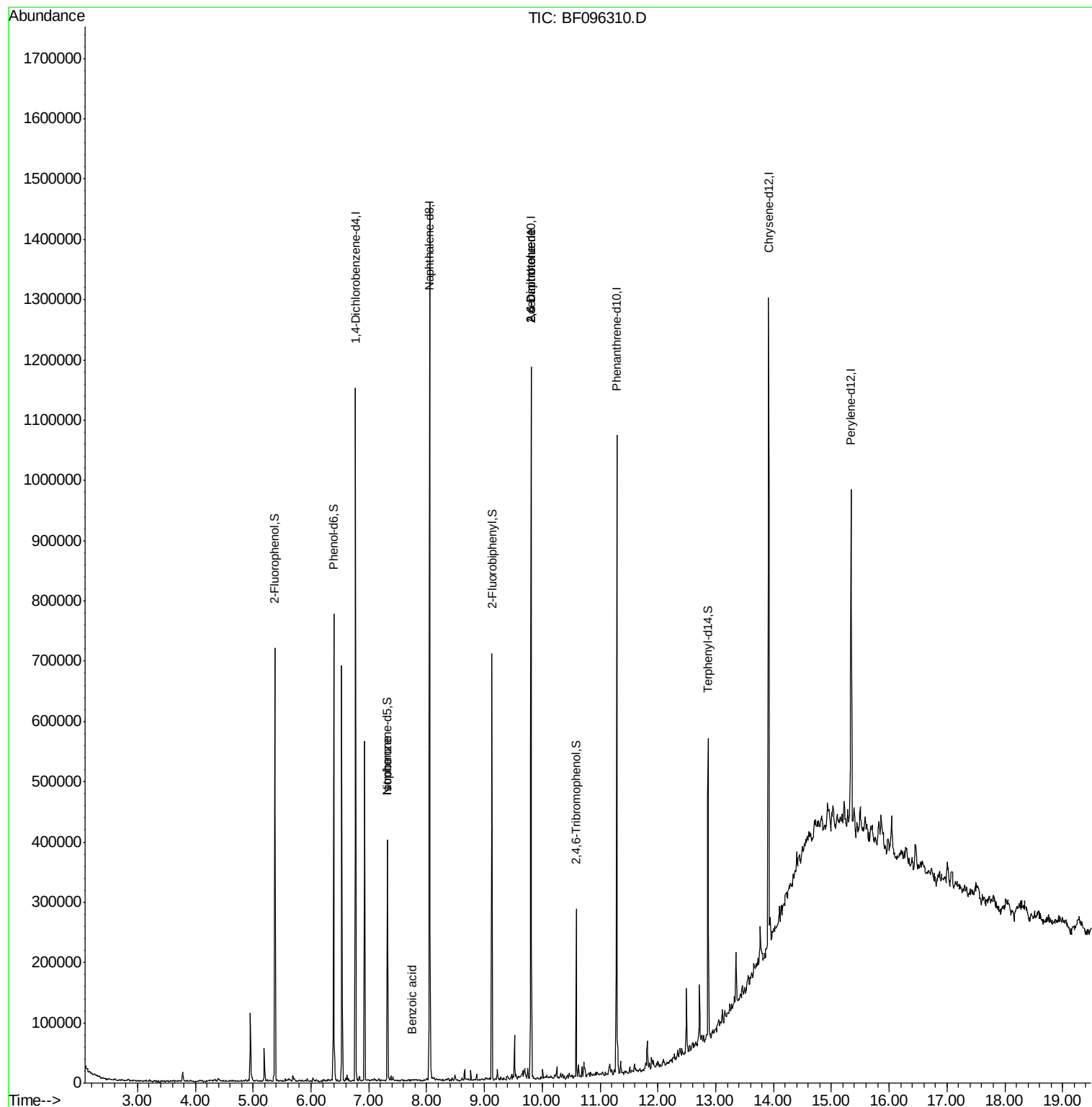
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	165700	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	637739	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	224145	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	330518	20.00	ng	0.00
75) Chrysene-d12	13.92	240	343783	20.00	ng	0.00
86) Perylene-d12	15.34	264	247773	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	178384	15.51	ng	0.00
7) Phenol-d6	6.39	99	214288	15.39	ng	0.00
23) Nitrobenzene-d5	7.32	82	106813	11.59	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	27186	15.41	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	187381	15.31	ng	-0.02
78) Terphenyl-d14	12.87	244	134723	9.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	223	Below Cal	#	1
25) Isophorone	7.32	82	106810	5.11	ng	# 67
32) Benzoic acid	7.74	122	114	8.80	ng	# 54
50) 2,6-Dinitrotoluene	9.80	165	29517	8.85	ng	# 33
56) 2,4-Dinitrotoluene	9.80	165	29517	7.02	ng	# 33
57) Fluorene	10.35	166	1120	Below Cal	#	85
70) Phenanthrene	11.31	178	16279	Below Cal		98

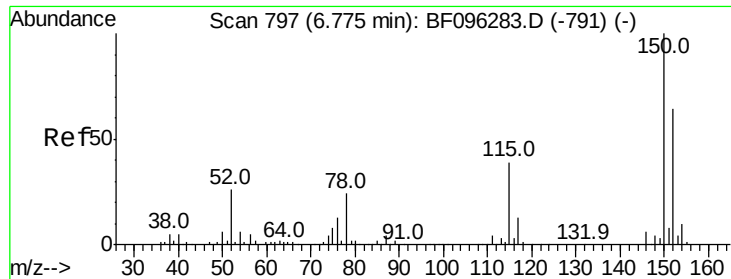
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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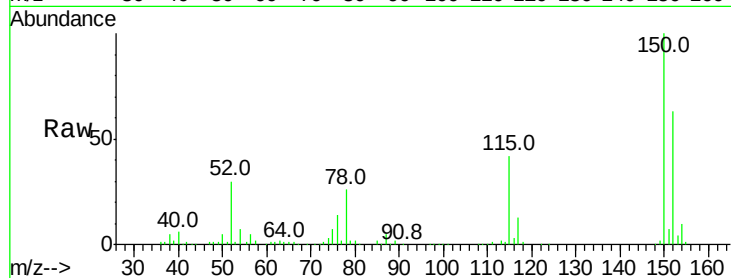


#1

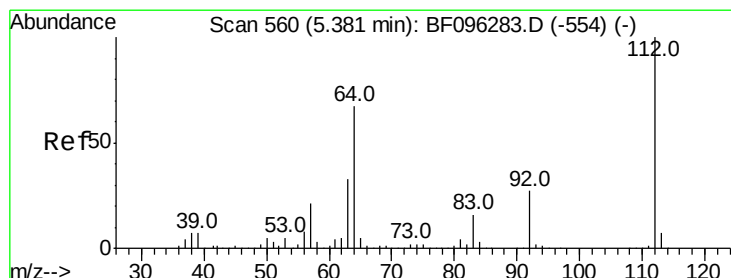
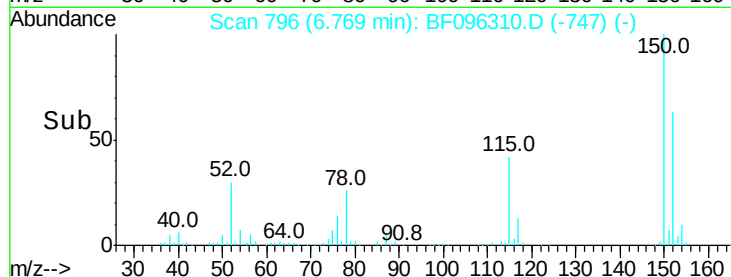
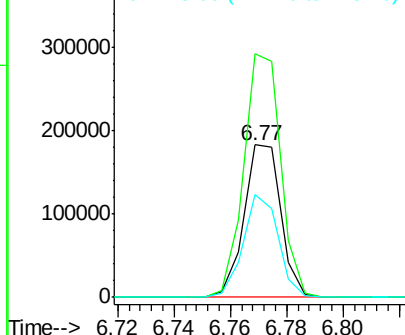
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096310.D
Acq: 29 Jun 2017 23:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165700
Ion Ratio Lower Upper
152 100
150 159.9 126.2 189.2
115 67.3 52.2 78.2



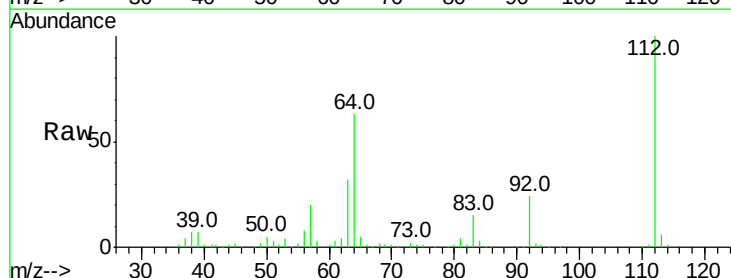
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



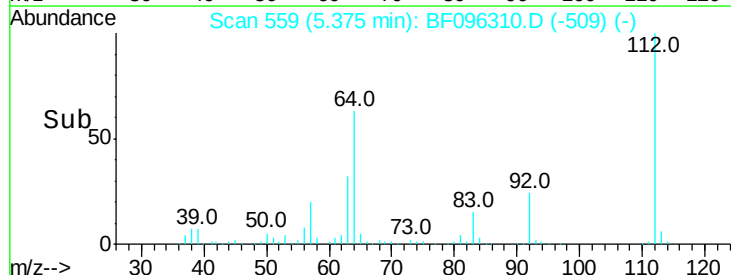
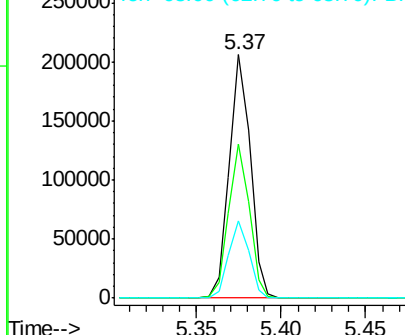
#5

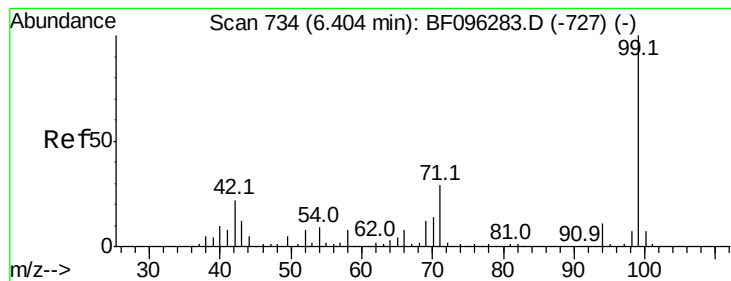
2-Fluorophenol
Concen: 15.51 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096310.D
Acq: 29 Jun 2017 23:48

Tgt Ion:112 Resp: 178384
Ion Ratio Lower Upper
112 100
64 63.1 46.0 69.0
63 31.5 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: 15.39 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096310.D

Acq: 29 Jun 2017 23:48

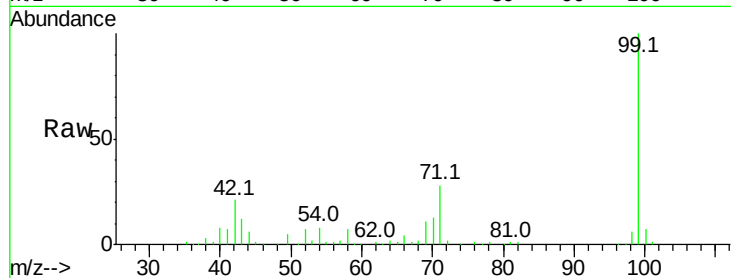
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 214288

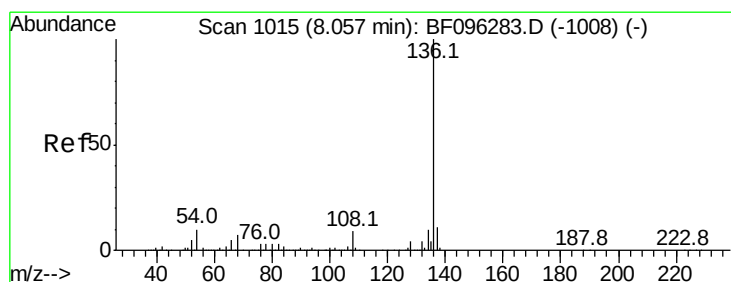
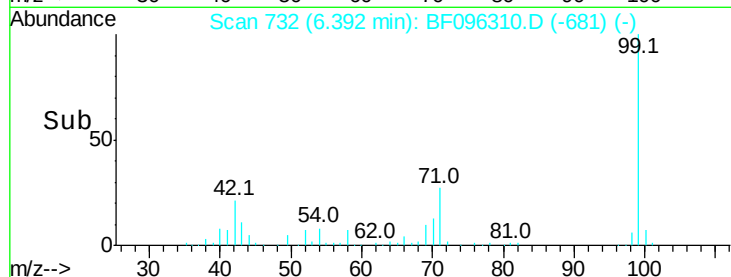
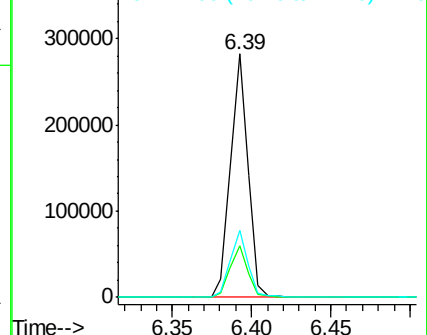
Ion	Ratio	Lower	Upper
99	100		
42	21.1	13.5	20.3#
71	27.5	24.5	36.7



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

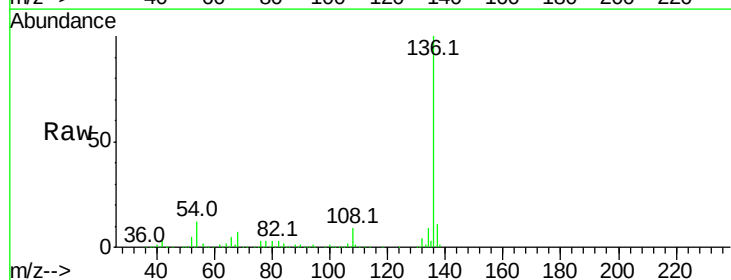
Delta R.T. -0.01 min

Lab File: BF096310.D

Acq: 29 Jun 2017 23:48

Tgt Ion: 136 Resp: 637739

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.6	4.9	7.3#
68	7.2	4.1	6.1#

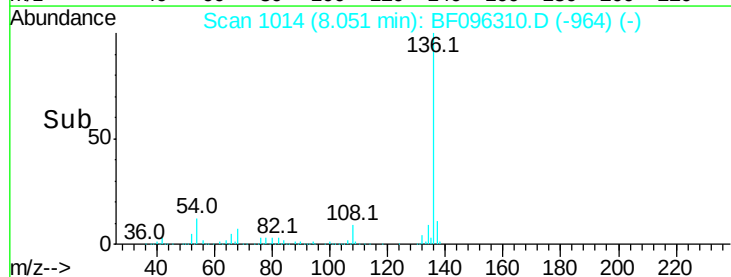
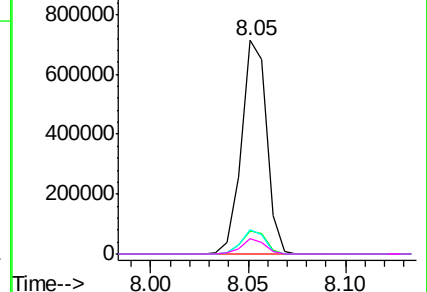


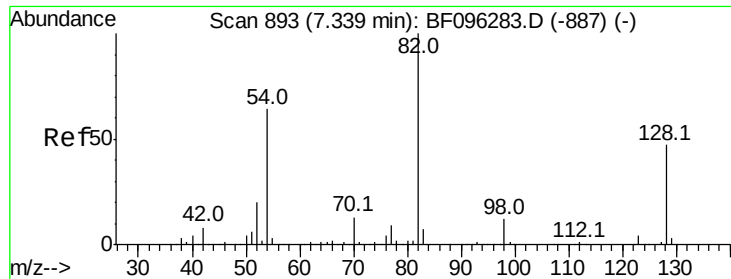
Abundance Ion 136.00 (135.70 to 136.70): E

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

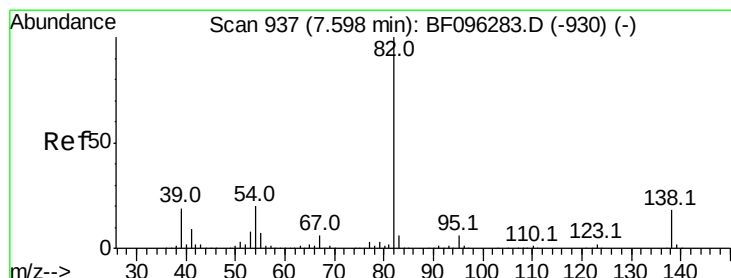
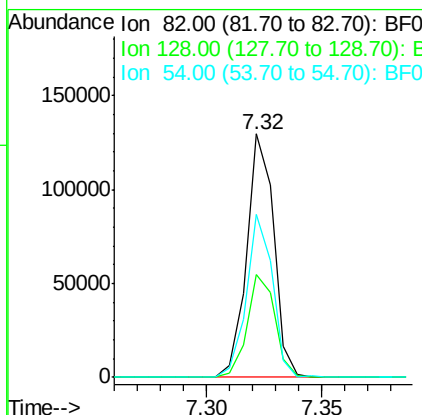
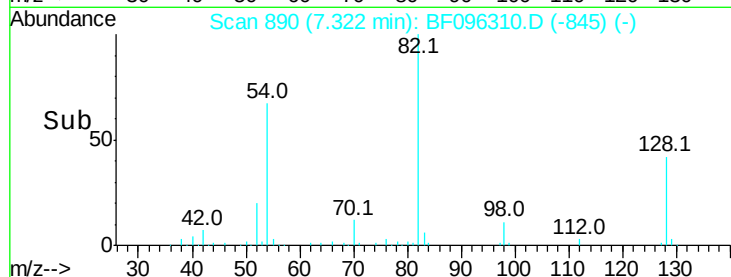
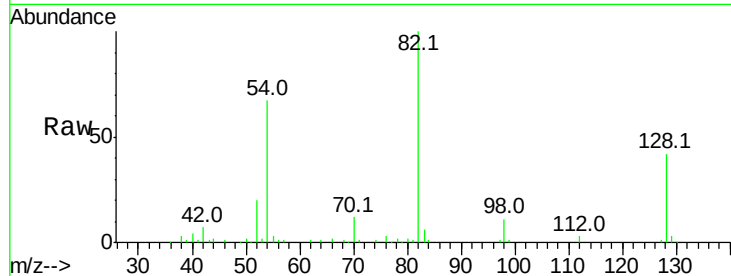




#23
 Nitrobenzene-d5
 Concen: 11.59 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096310.D
 Acq: 29 Jun 2017 23:48

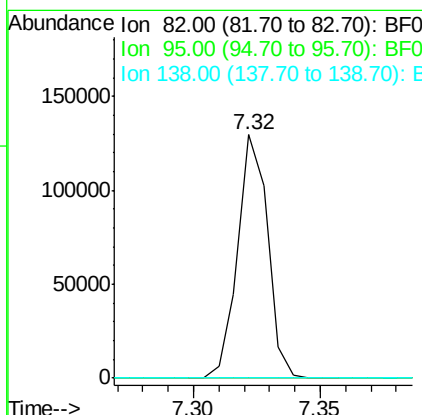
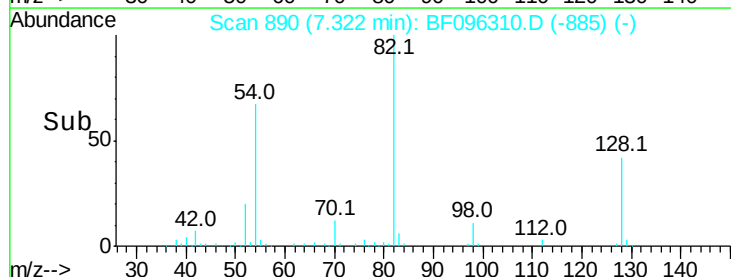
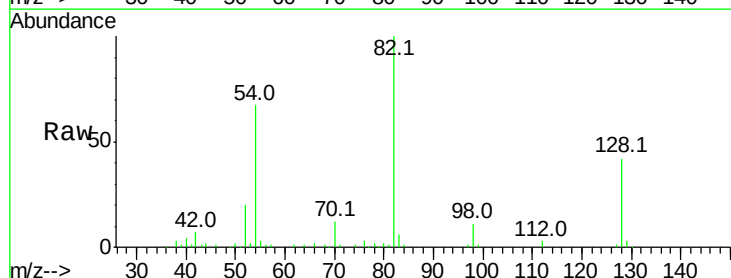
Instrument :
 BNA_F
 ClientSampleId :

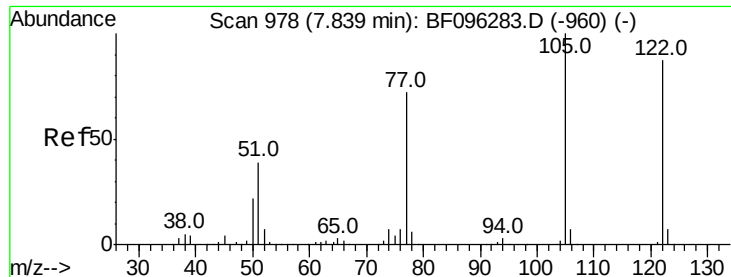
Tot Ion	82	Resp	106813
Ion Ratio	Lower	Upper	
82	100		
128	42.3	34.0	51.0
54	66.8	42.2	63.2#



#25
 Isophorone
 Concen: 5.11 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.27 min
 Lab File: BF096310.D
 Acq: 29 Jun 2017 23:48

Tgt Ion	82	Resp	106810
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

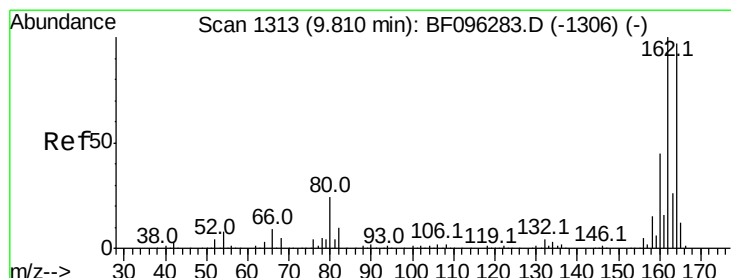
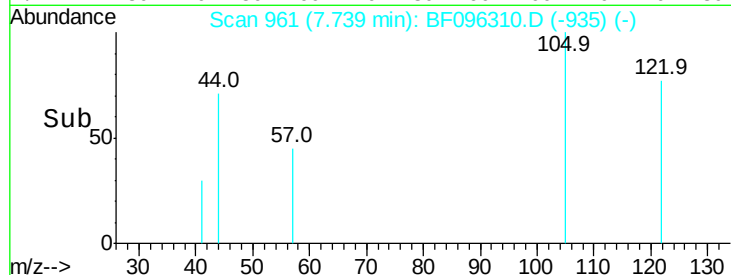
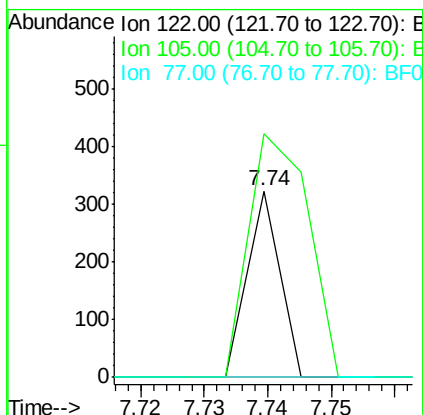
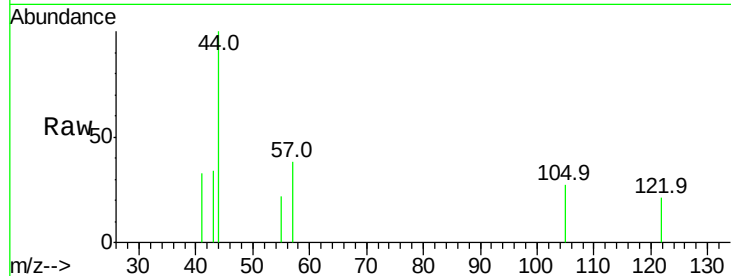




#32
Benzoic acid
Concen: 8.80 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.15 min
Lab File: BF096310.D
Acq: 29 Jun 2017 23:48

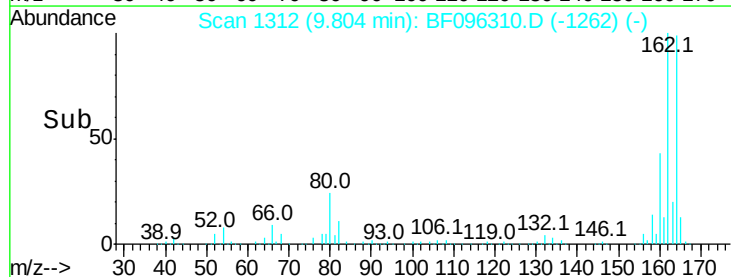
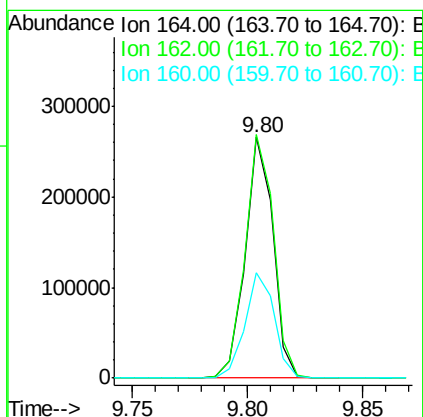
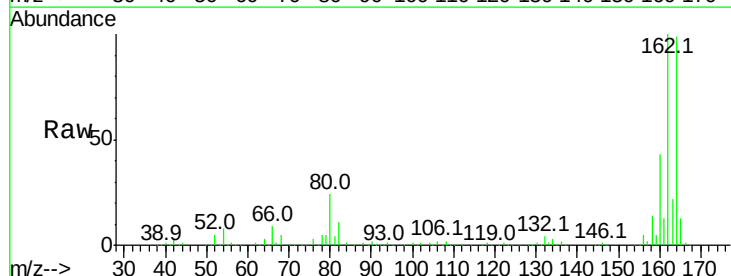
Instrument :
BNA_F
ClientSampled :

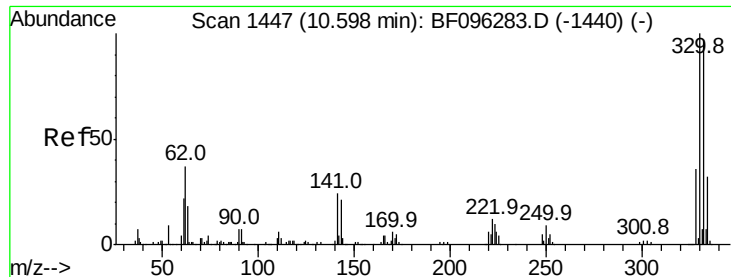
Tot Ion:122 Resp: 114
Ion Ratio Lower Upper
122 100
105 130.6 103.3 143.3
77 0.0 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096310.D
Acq: 29 Jun 2017 23:48

Tgt Ion:164 Resp: 224145
Ion Ratio Lower Upper
164 100
162 101.2 82.6 123.8
160 44.0 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 15.41 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF096310.D

Acq: 29 Jun 2017 23:48

Instrument :

BNA_F

ClientSampleId :

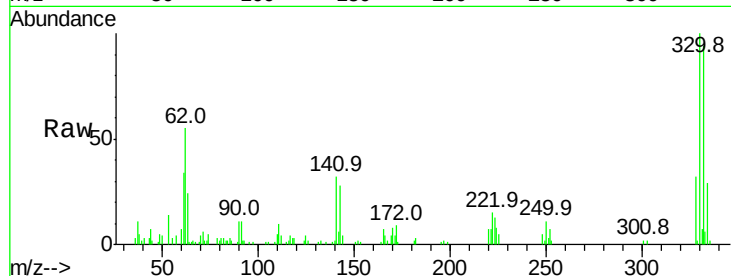
Tot Ion:330 Resp: 27186

Ion Ratio Lower Upper

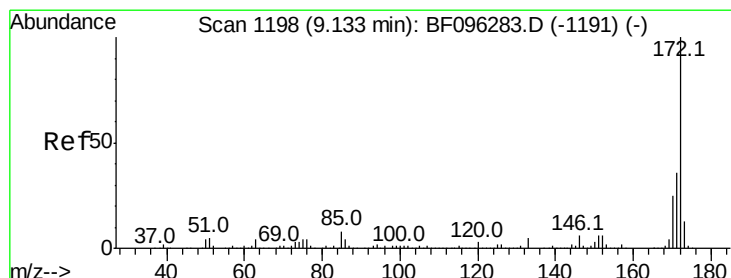
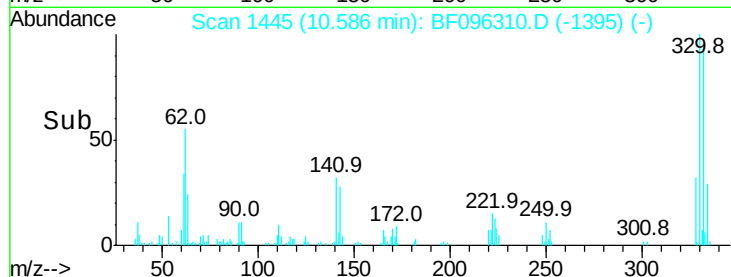
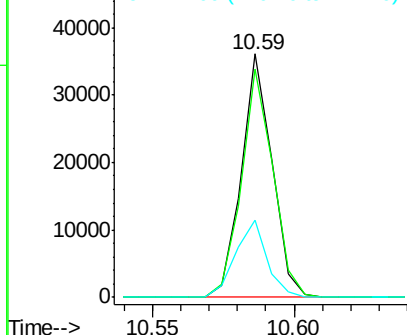
330 100

332 96.4 76.6 115.0

141 32.4 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: 15.31 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.02 min

Lab File: BF096310.D

Acq: 29 Jun 2017 23:48

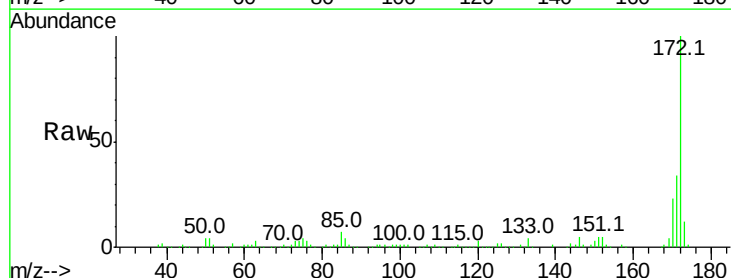
Tgt Ion:172 Resp: 187381

Ion Ratio Lower Upper

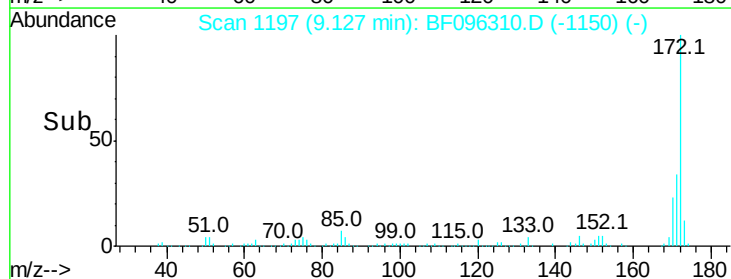
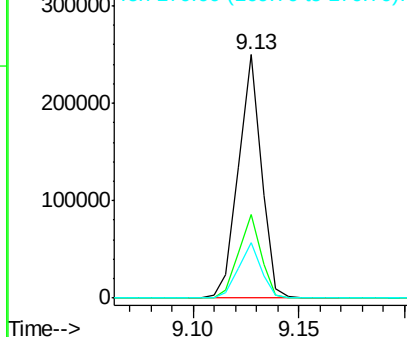
172 100

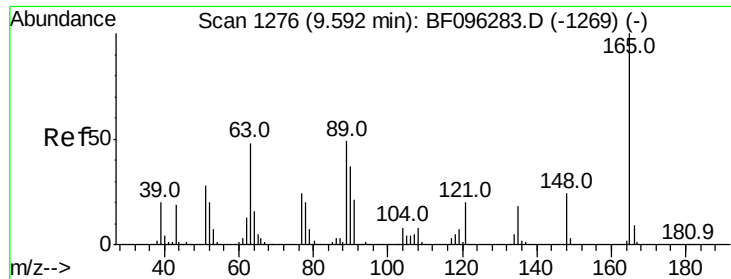
171 34.1 29.6 44.4

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

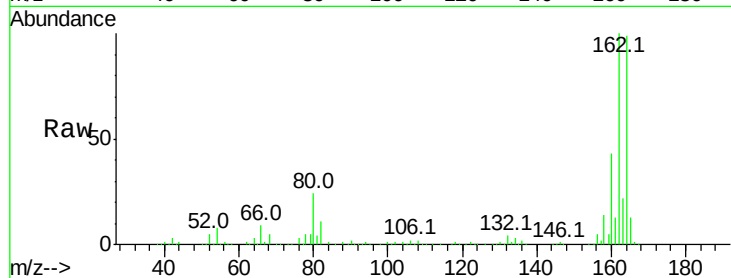




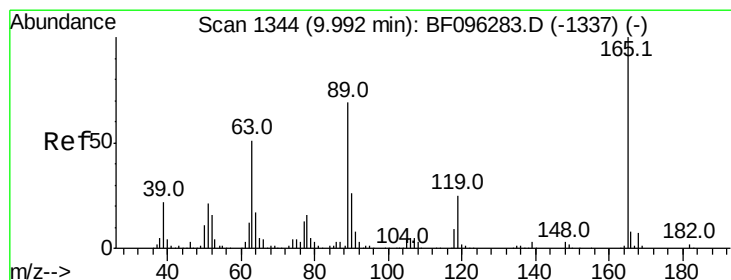
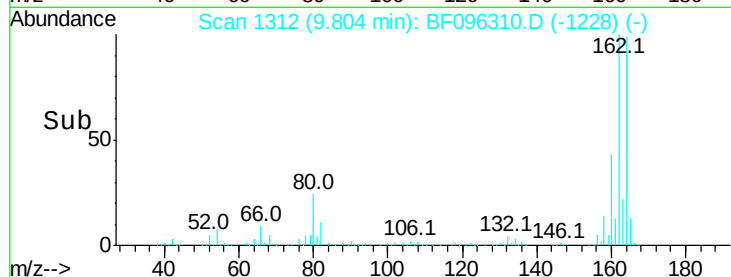
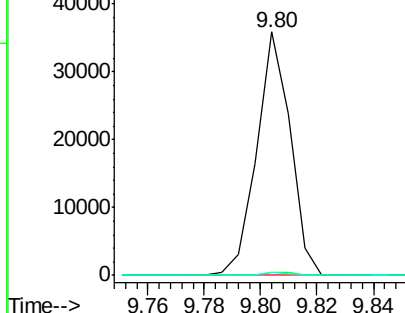
#50
2,6-Dinitrotoluene
Concen: 8.85 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.19 min
Lab File: BF096310.D
Acq: 29 Jun 2017 23:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.3	51.5#
89	1.2	37.1	55.7#



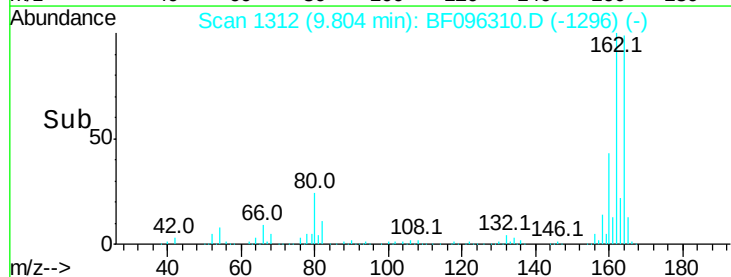
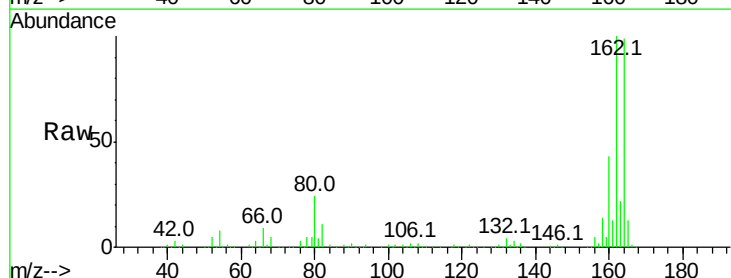
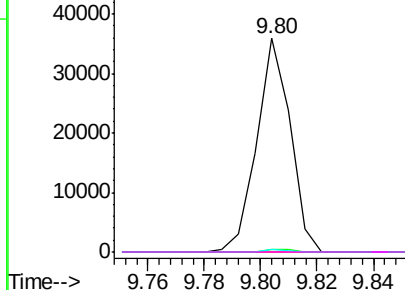
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

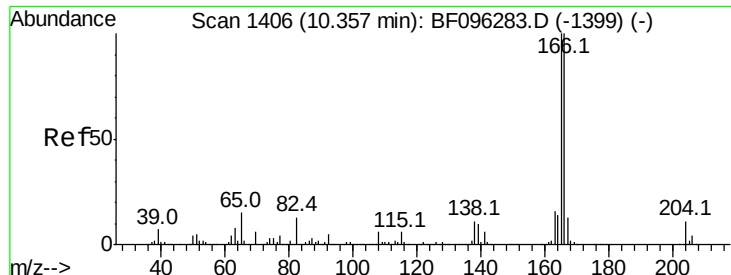


#56
2,4-Dinitrotoluene
Concen: 7.02 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.21 min
Lab File: BF096310.D
Acq: 29 Jun 2017 23:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.4	38.0#
89	1.2	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

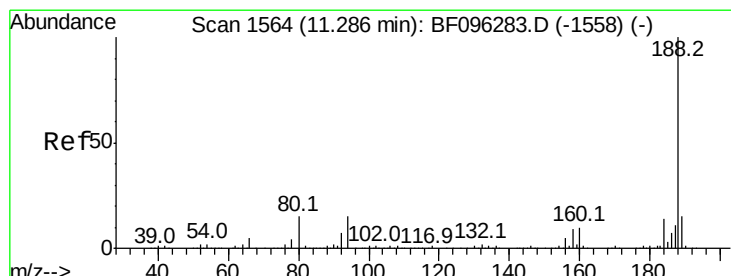
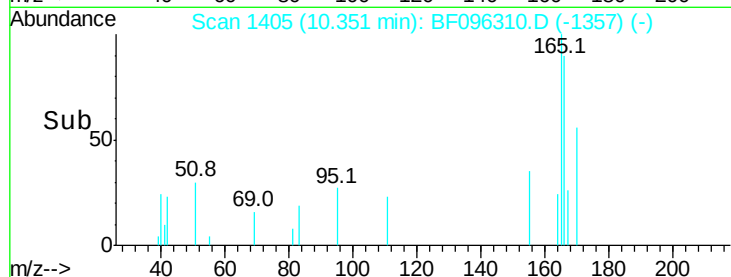
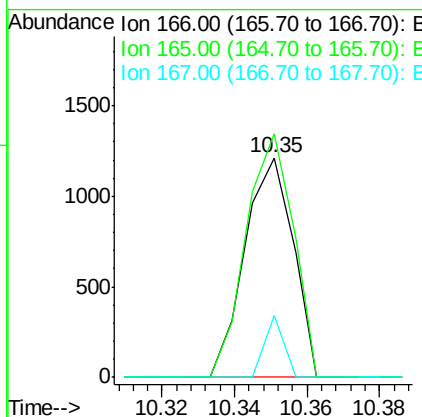
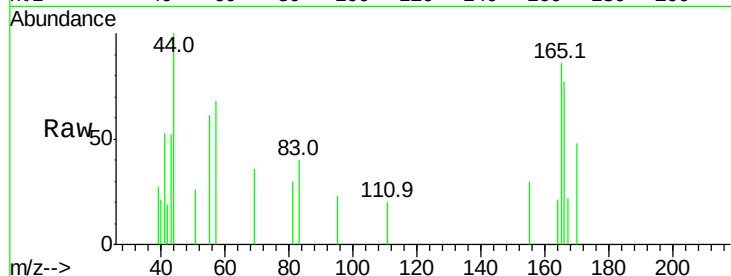




#57
Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096310.D
 Acq: 29 Jun 2017 23:48

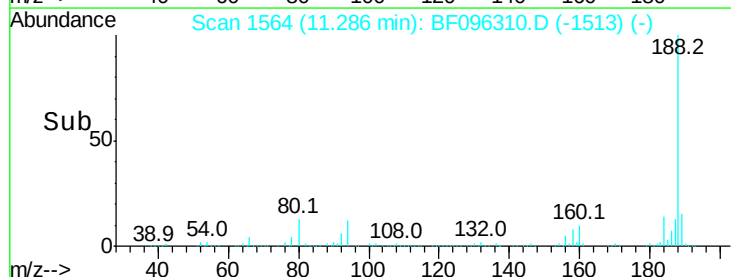
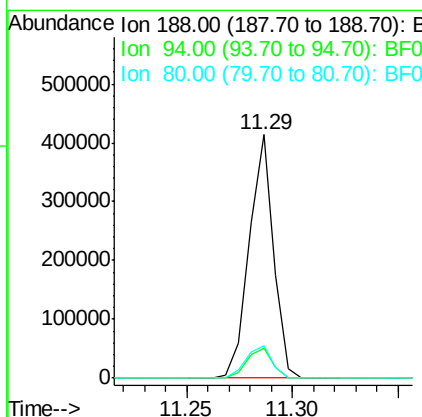
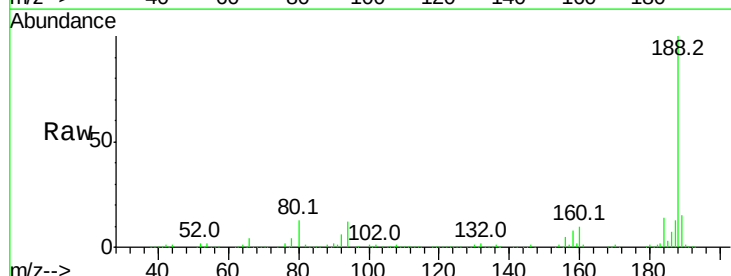
Instrument :
 BNA_F
 ClientSampleId :

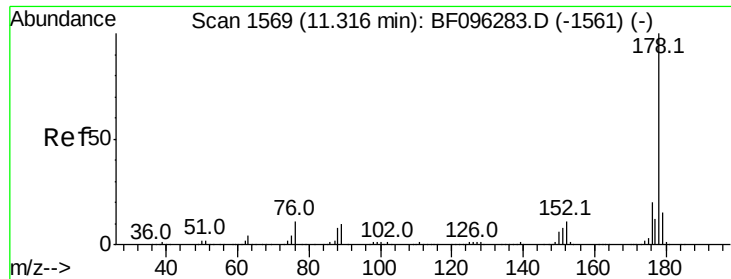
Tot Ion:166 Resp: 1120
 Ion Ratio Lower Upper
 166 100
 165 110.9 78.8 118.2
 167 28.3 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096310.D
 Acq: 29 Jun 2017 23:48

Tgt Ion:188 Resp: 330518
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 13.5 10.2 15.2





#70

Phenanthrene

Concen: Below Cal

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096310.D

Acq: 29 Jun 2017 23:48

Instrument :

BNA_F

ClientSampleId :

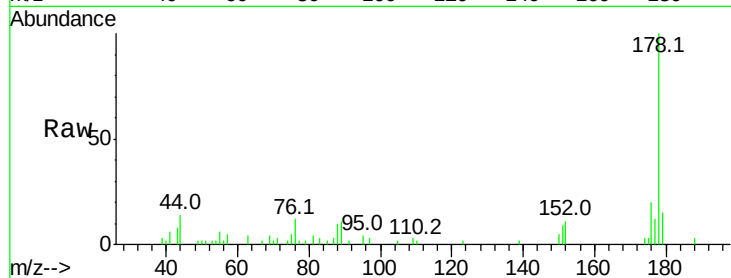
Tot Ion:178 Resp: 16279

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

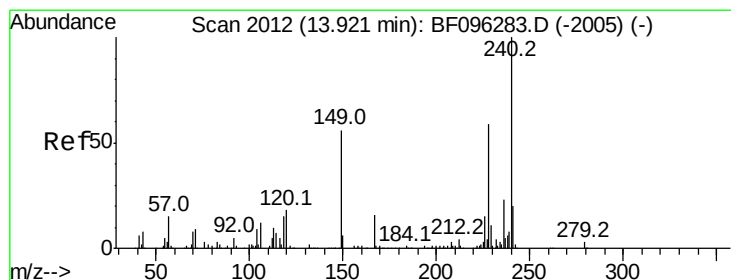
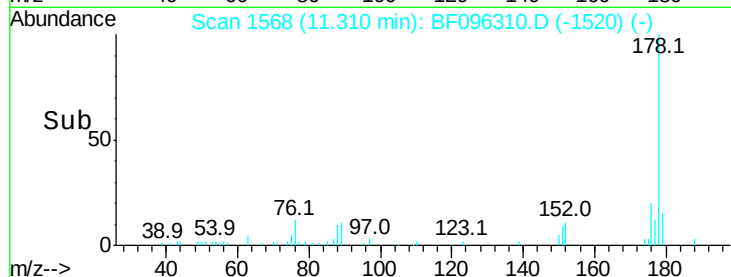
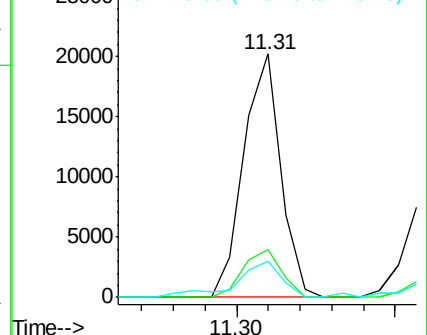
179 14.9 12.6 19.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096310.D

Acq: 29 Jun 2017 23:48

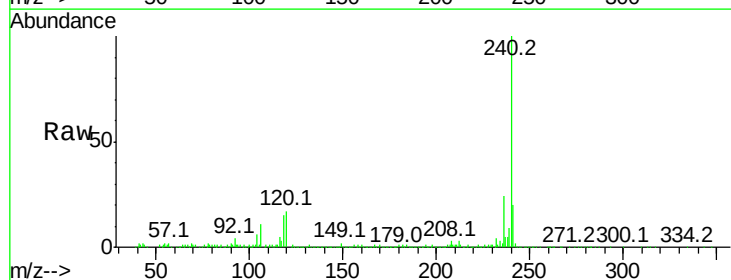
Tgt Ion:240 Resp: 343783

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

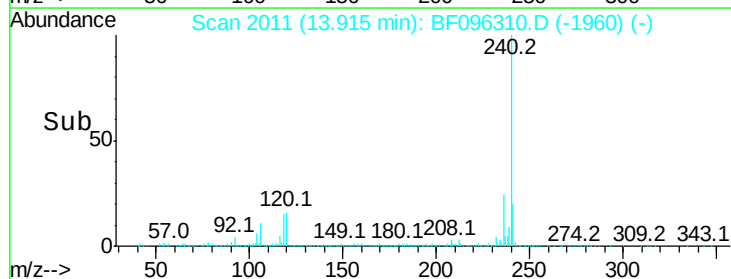
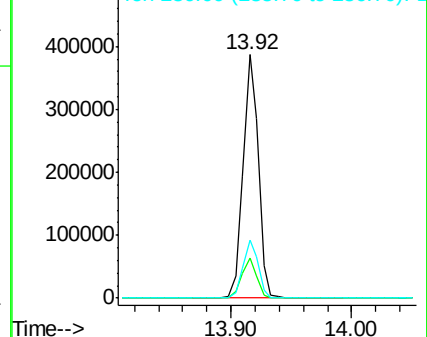
236 24.0 20.5 30.7

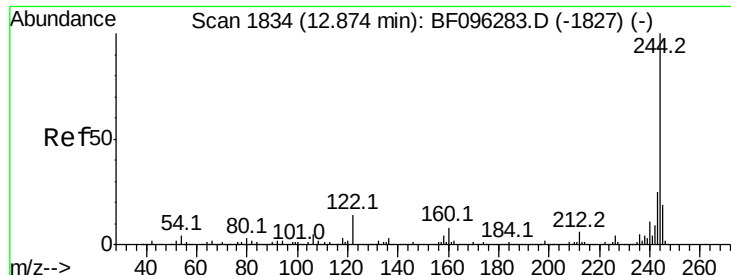


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 9.78 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096310.D

Acq: 29 Jun 2017 23:48

Instrument :

BNA_F

ClientSampleId :

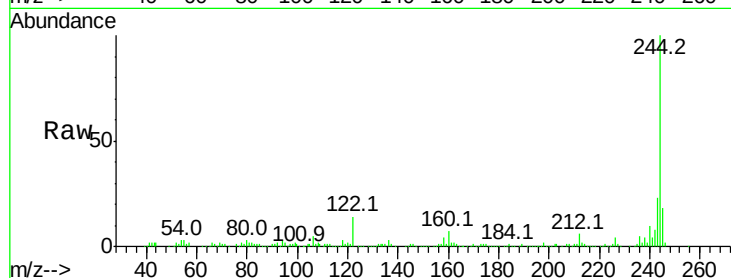
Tot Ion:244 Resp: 134723

Ion Ratio Lower Upper

244 100

212 5.6 6.0 9.0#

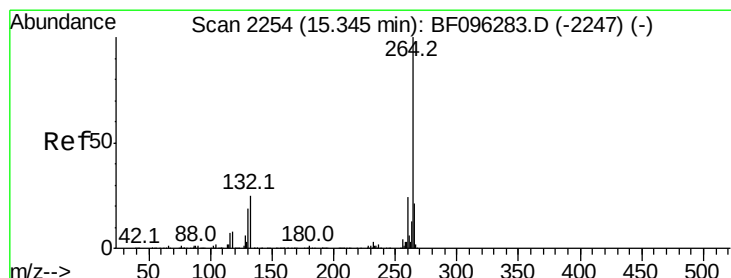
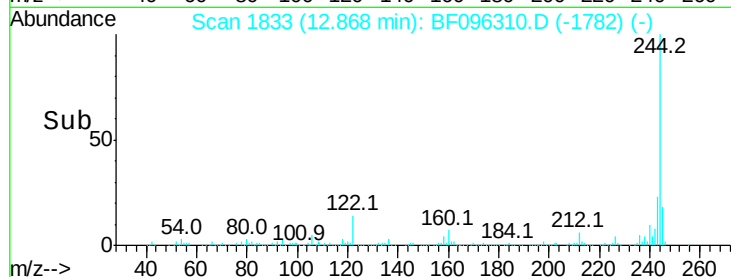
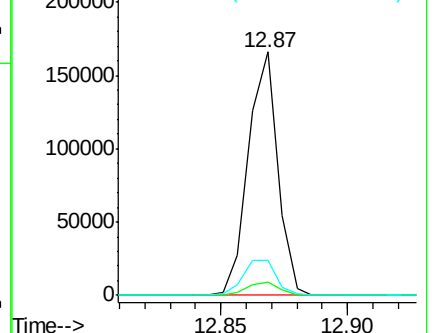
122 14.1 10.3 15.5



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: BF096310.D

Acq: 29 Jun 2017 23:48

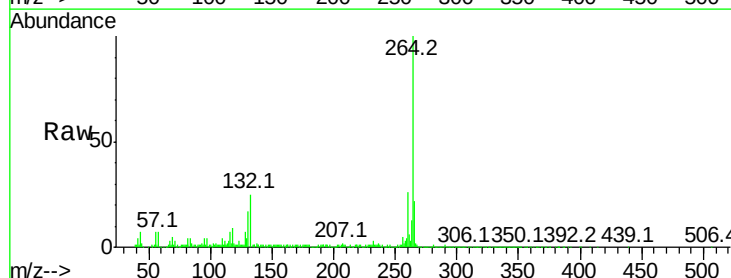
Tgt Ion:264 Resp: 247773

Ion Ratio Lower Upper

264 100

260 26.1 19.5 29.3

265 21.5 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

