

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096307.D
 Acq On : 29 Jun 2017 22:25
 Operator : SJ/MA
 Sample : I3882-06 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:10:10 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

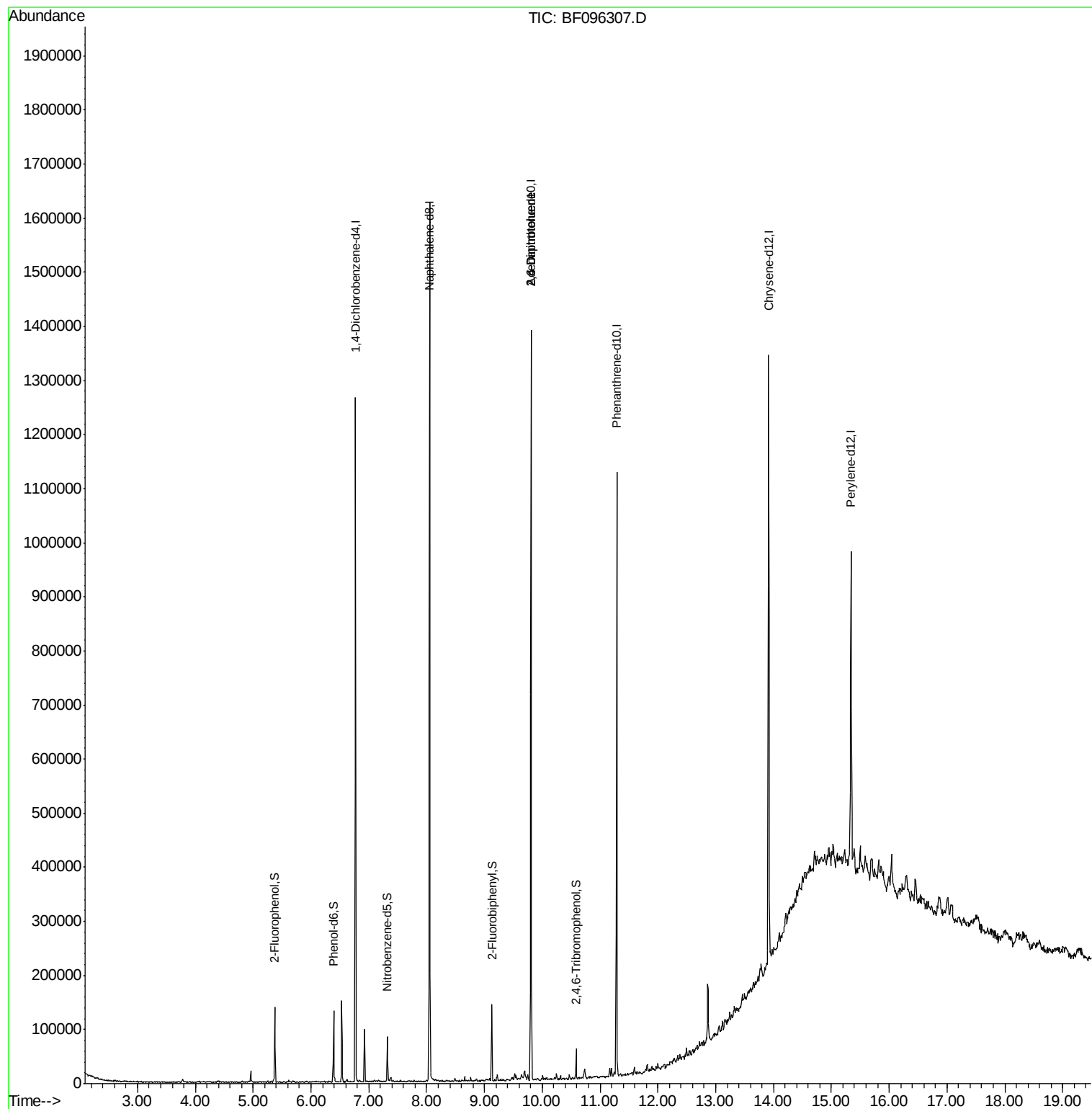
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	175949	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	688808	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	257621	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	365021	20.00	ng	0.00
75) Chrysene-d12	13.92	240	357368	20.00	ng	0.00
86) Perylene-d12	15.34	264	267155	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	32489	2.66	ng	0.00
7) Phenol-d6	6.39	99	41321	2.79	ng	0.00
23) Nitrobenzene-d5	7.32	82	20621	2.07	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	6078	3.00	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	40513	2.88	ng	-0.02
78) Terphenyl-d14	12.86	244	27115	1.89	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	112	Below Cal	#	45
50) 2,6-Dinitrotoluene	9.80	165	34051	8.88	ng	# 33
56) 2,4-Dinitrotoluene	9.80	165	34051	7.04	ng	# 33
57) Fluorene	10.35	166	338	Below Cal	#	93
70) Phenanthrene	11.30	178	2459	Below Cal	#	90

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

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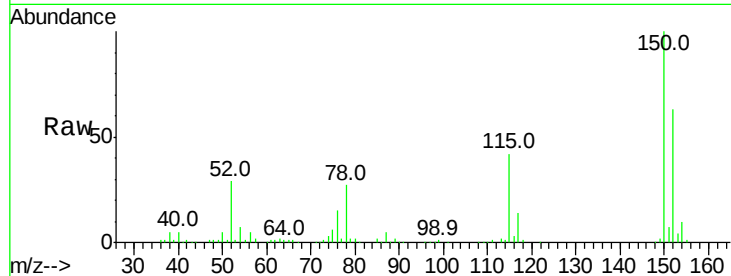


#1

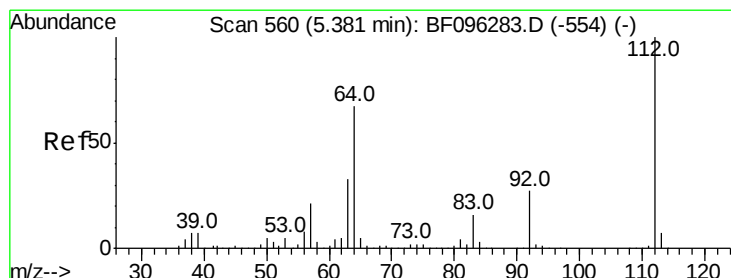
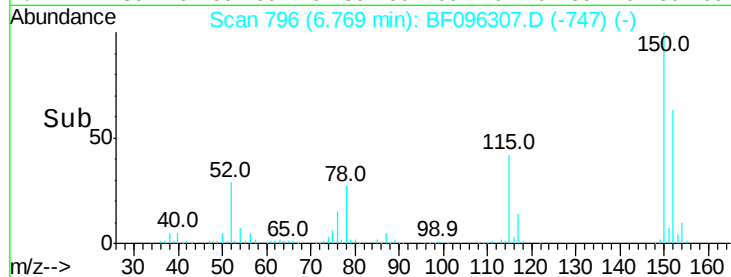
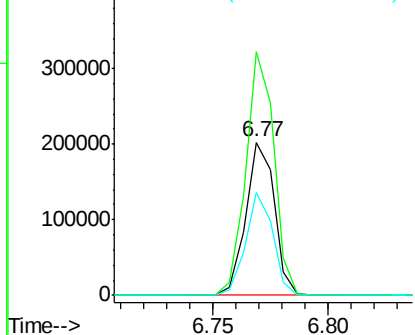
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096307.D
Acq: 29 Jun 2017 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175949
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 67.0 52.2 78.2



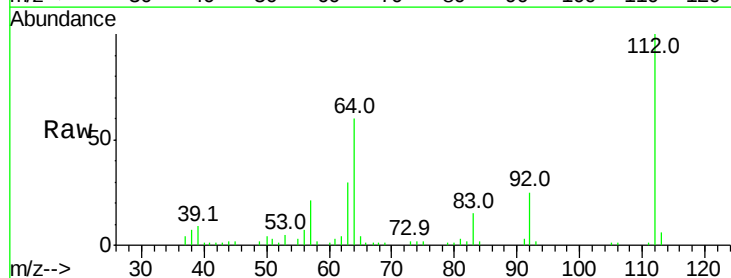
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



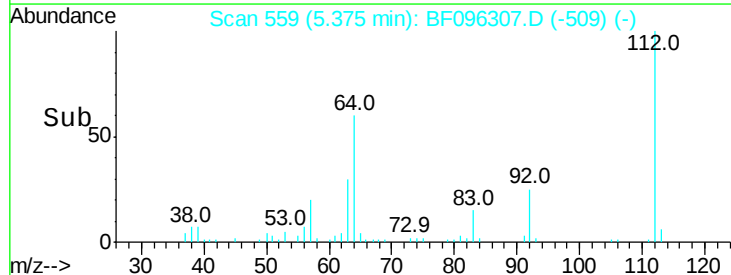
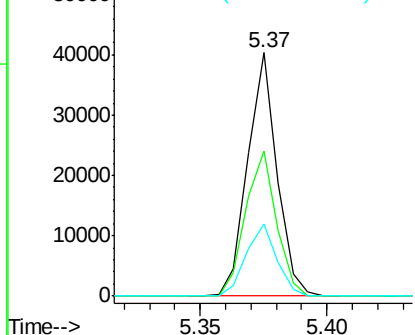
#5

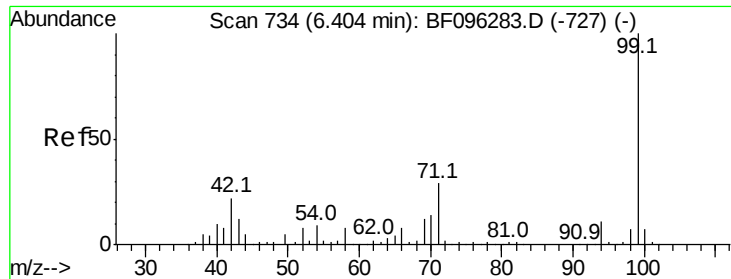
2-Fluorophenol
Concen: 2.66 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096307.D
Acq: 29 Jun 2017 22:25

Tgt Ion:112 Resp: 32489
Ion Ratio Lower Upper
112 100
64 59.8 46.0 69.0
63 29.8 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: 2.79 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096307.D

Acq: 29 Jun 2017 22:25

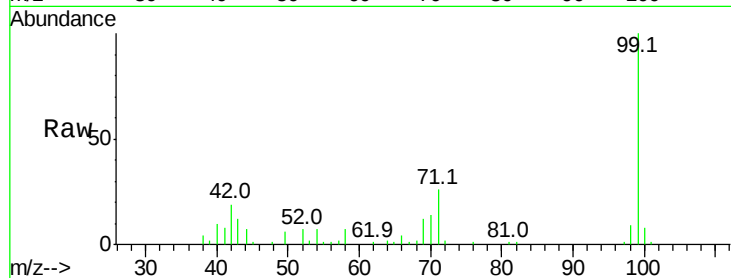
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 41321

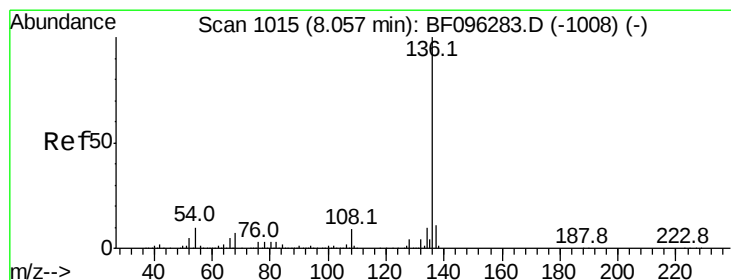
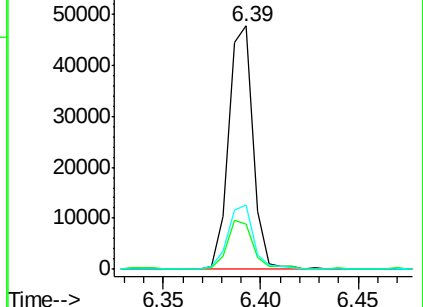
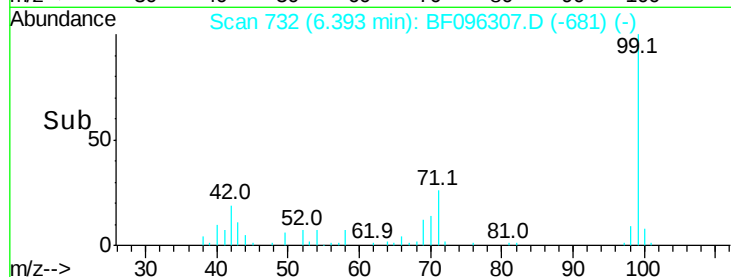
Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	26.3	24.5	36.7



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: 8.05 min Scan# 1014

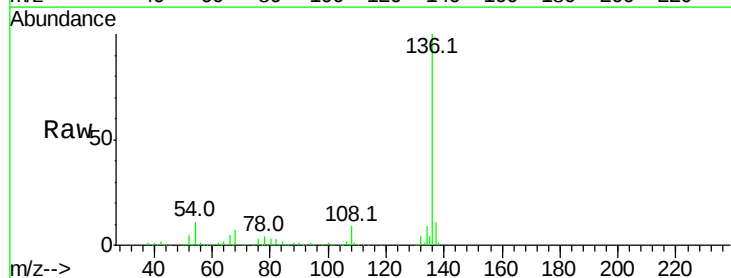
Delta R.T. -0.01 min

Lab File: BF096307.D

Acq: 29 Jun 2017 22:25

Tgt Ion: 136 Resp: 688808

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

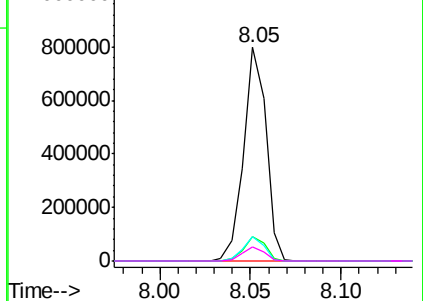
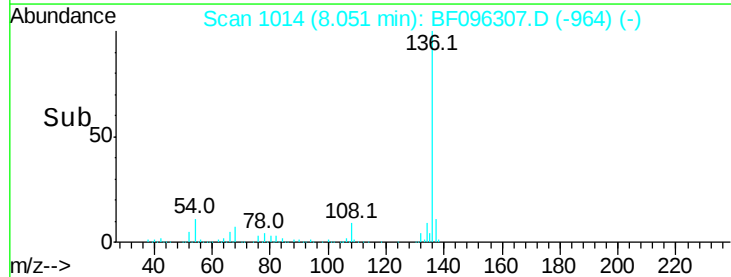


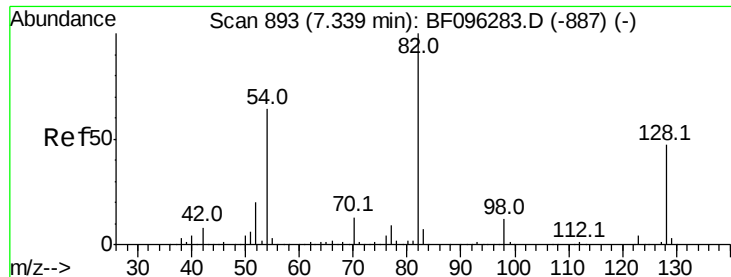
Abundance Ion 136.00 (135.70 to 136.70): E

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

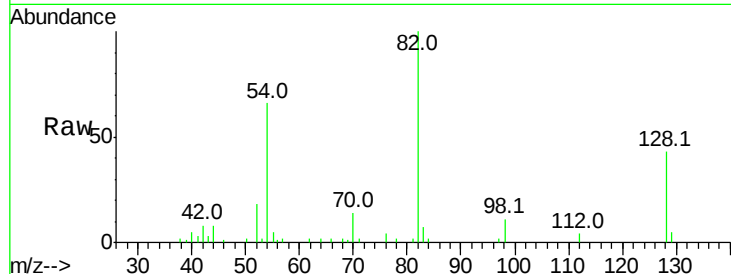




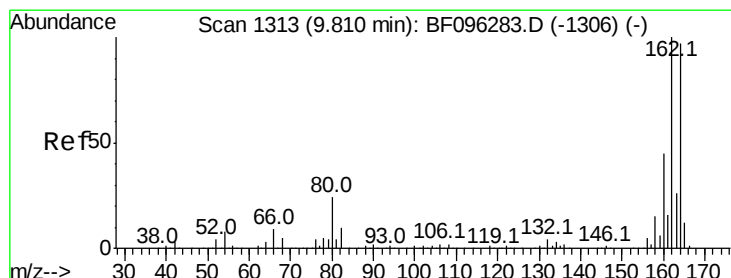
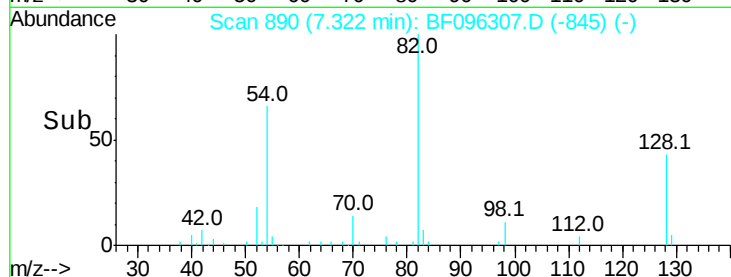
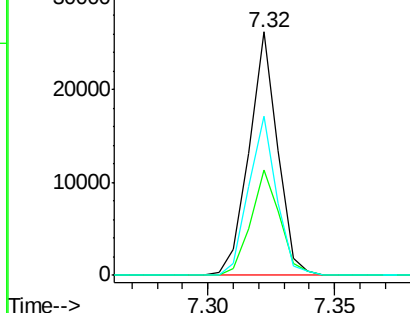
#23
Nitrobenzene-d5
Concen: 2.07 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.04 min
Lab File: BF096307.D
Acq: 29 Jun 2017 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 20621
Ion Ratio Lower Upper
82 100
128 43.4 34.0 51.0
54 65.5 42.2 63.2#

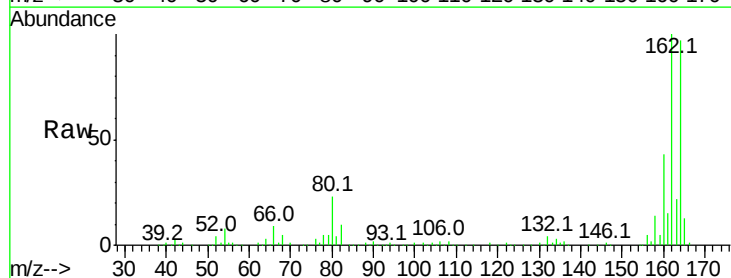


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

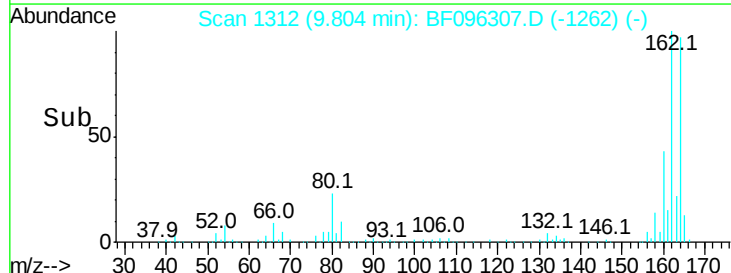
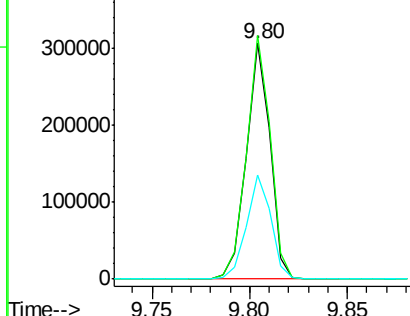


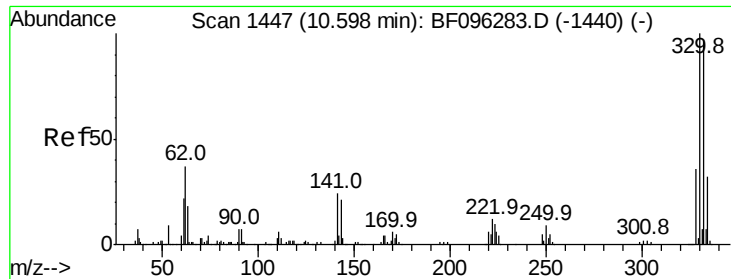
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096307.D
Acq: 29 Jun 2017 22:25

Tgt Ion:164 Resp: 257621
Ion Ratio Lower Upper
164 100
162 103.2 82.6 123.8
160 44.0 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

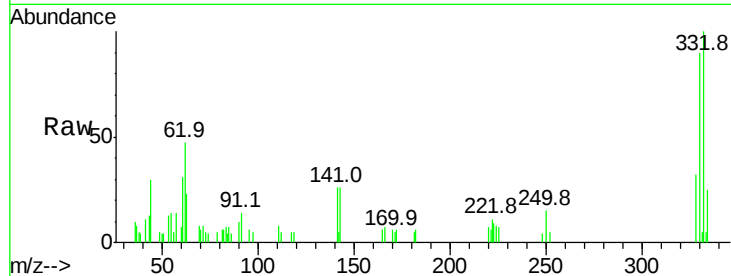




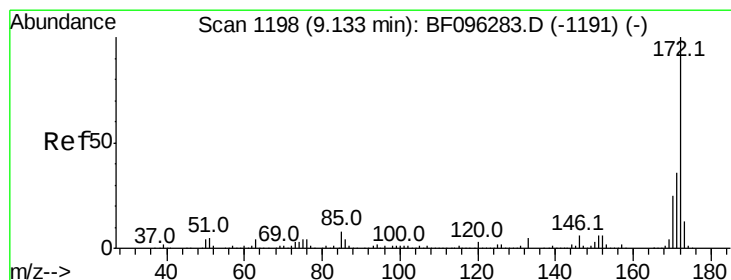
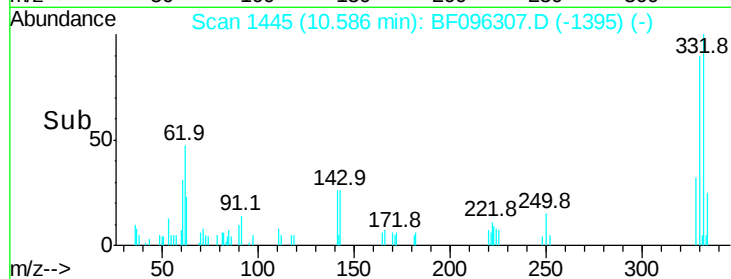
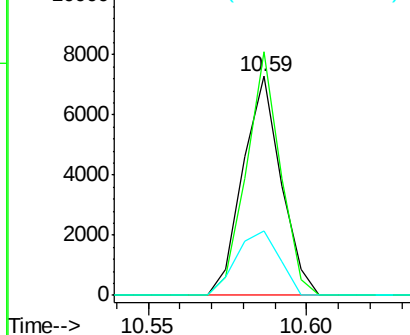
#41
 2,4,6-Tribromophenol
 Concen: 3.00 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096307.D
 Acq: 29 Jun 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 6078
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.6 115.0
 141 33.0 31.4 47.2

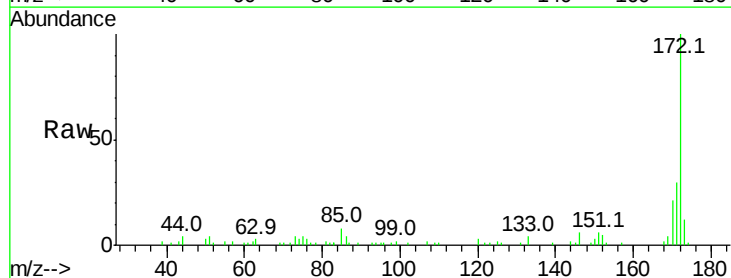


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

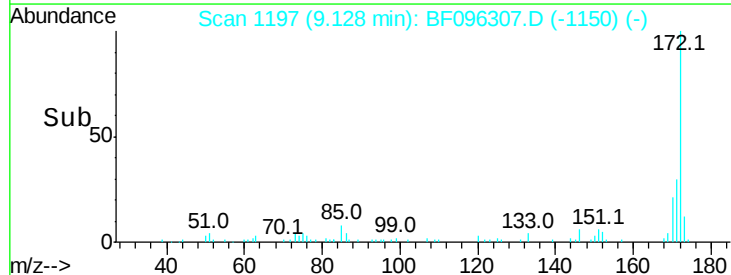
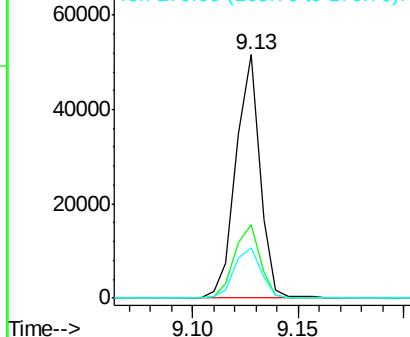


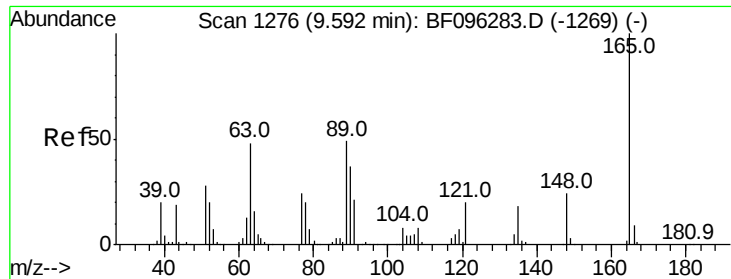
#44
 2-Fluorobiphenyl
 Concen: 2.88 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096307.D
 Acq: 29 Jun 2017 22:25

Tgt Ion:172 Resp: 40513
 Ion Ratio Lower Upper
 172 100
 171 30.3 29.6 44.4
 170 20.9 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: 8.88 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF096307.D

Acq: 29 Jun 2017 22:25

Instrument :
BNA_F
ClientSampleId :

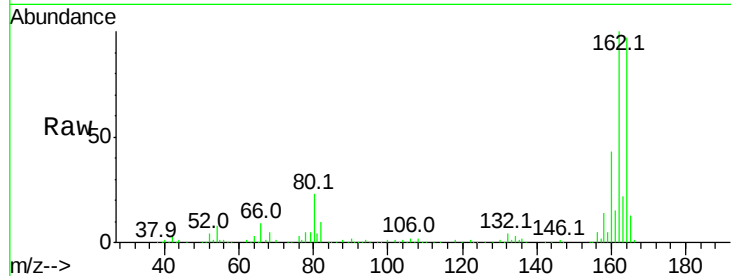
Tot Ion:165 Resp: 34051

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

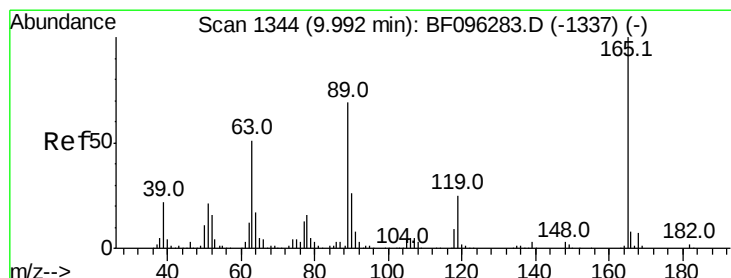
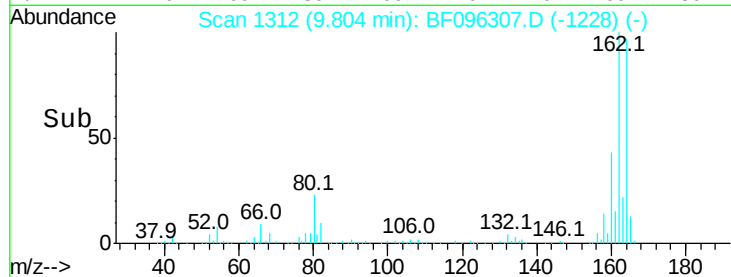
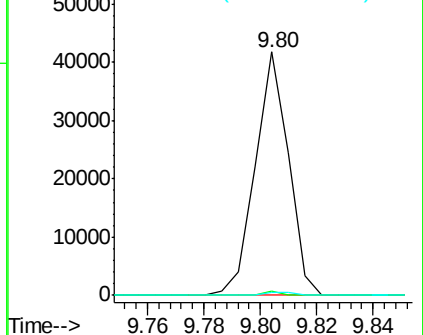
89 1.0 37.1 55.7#



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: 7.04 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096307.D

Acq: 29 Jun 2017 22:25

Tgt Ion:165 Resp: 34051

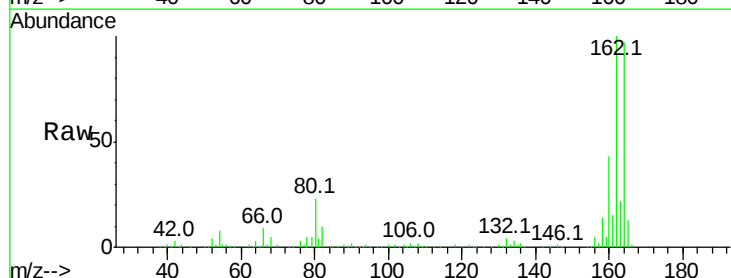
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.0 46.4 69.6#

182 0.0 1.8 2.6#

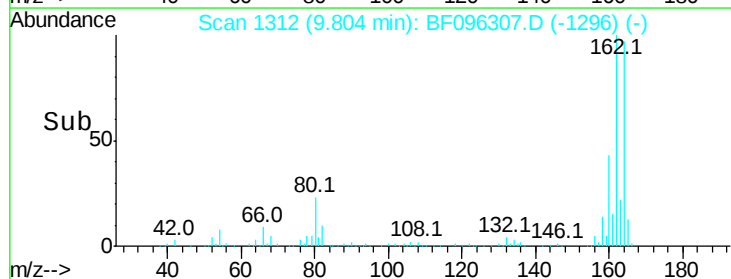
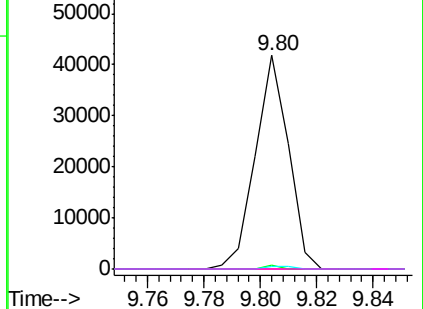


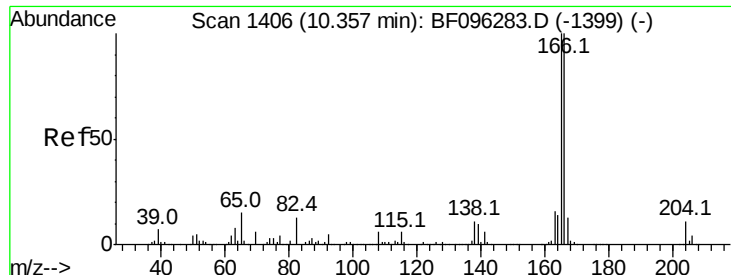
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF096307.D

Acq: 29 Jun 2017 22:25

Instrument :

BNA_F

ClientSampleId :

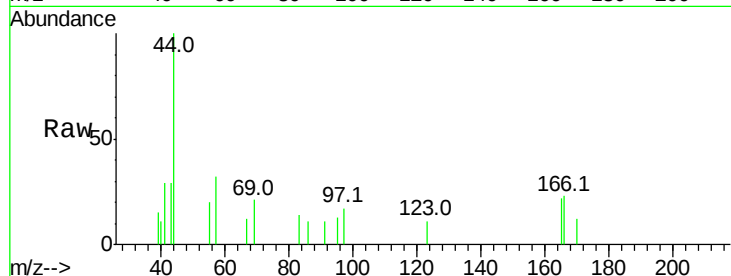
Tot Ion:166 Resp: 338

Ion Ratio Lower Upper

166 100

165 95.0 78.8 118.2

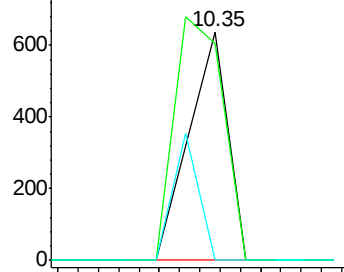
167 0.0 10.6 16.0#



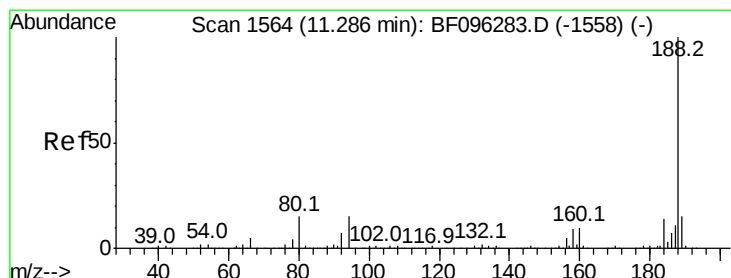
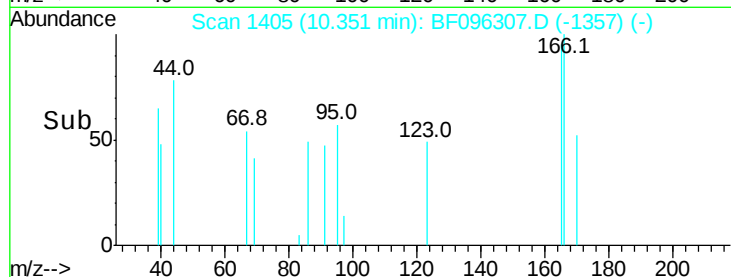
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 10.32 10.34 10.36



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096307.D

Acq: 29 Jun 2017 22:25

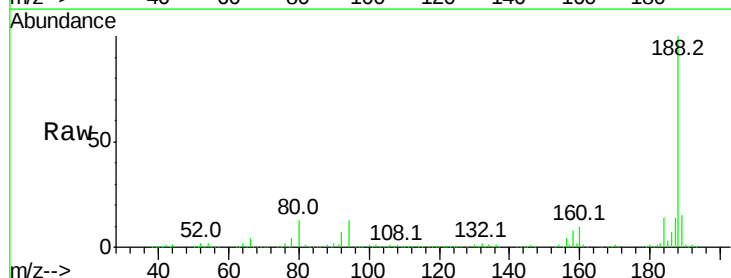
Tgt Ion:188 Resp: 365021

Ion Ratio Lower Upper

188 100

94 12.7 9.4 14.2

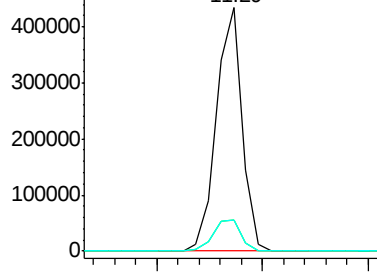
80 12.9 10.2 15.2



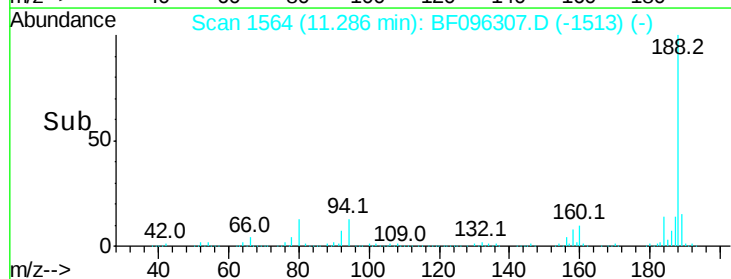
Abundance Ion 188.00 (187.70 to 188.70): E

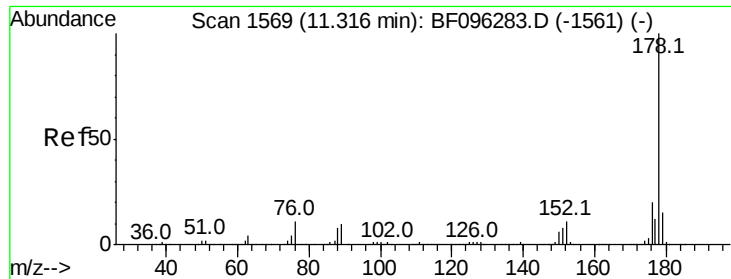
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.25 11.30

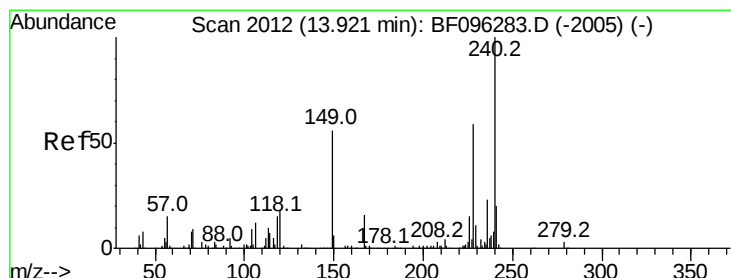
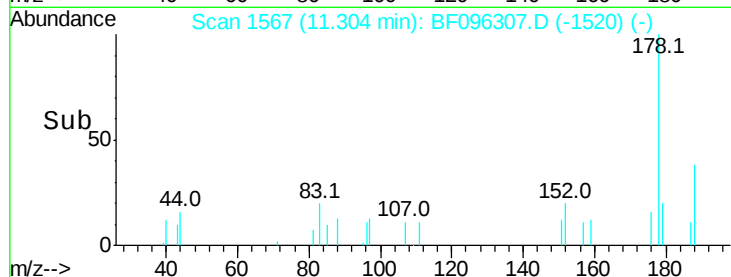
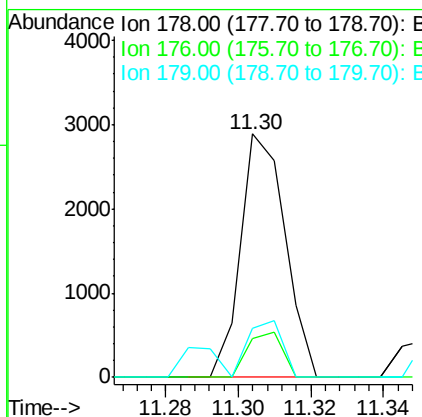
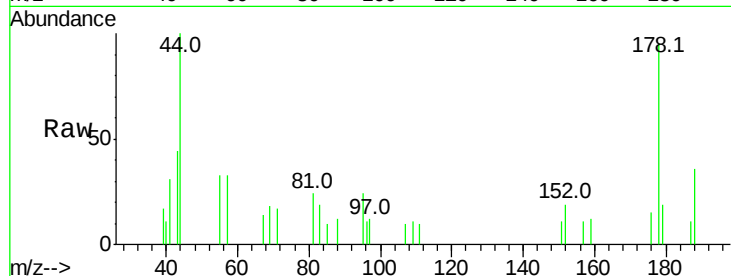




#70
Phenanthrene
Concen: Below Cal
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF096307.D
Acq: 29 Jun 2017 22:25

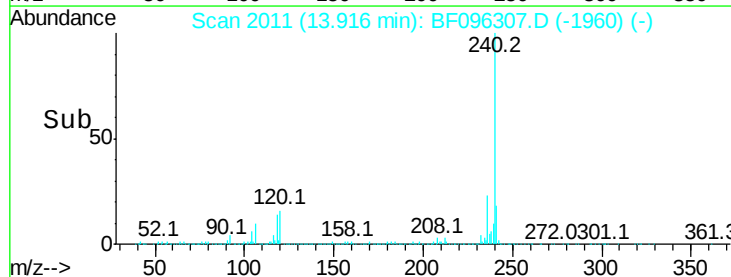
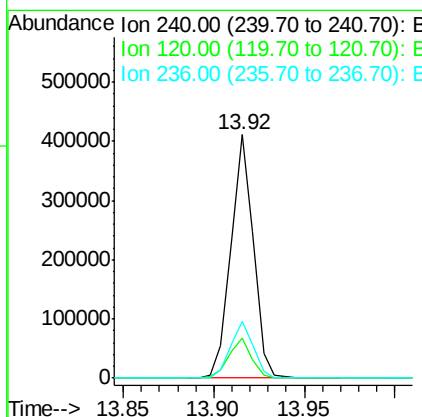
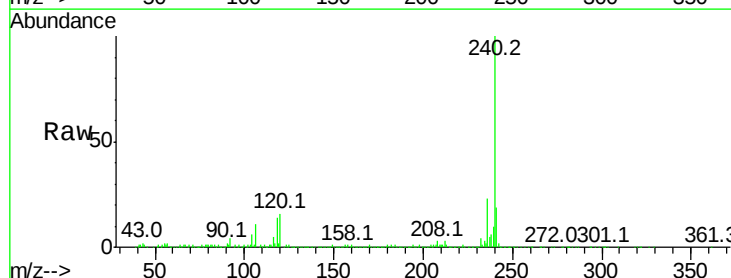
Instrument :
BNA_F
ClientSampleId :

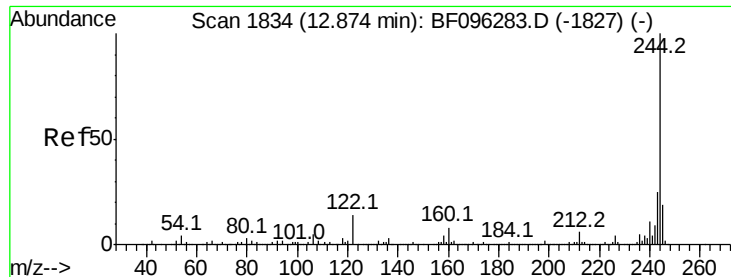
Tot Ion:178 Resp: 2459
Ion Ratio Lower Upper
178 100
176 15.8 16.2 24.4#
179 20.0 12.6 19.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BF096307.D
Acq: 29 Jun 2017 22:25

Tgt Ion:240 Resp: 357368
Ion Ratio Lower Upper
240 100
120 16.3 5.8 8.8#
236 23.3 20.5 30.7





#78

Terphenyl-d14

Concen: 1.89 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF096307.D

Acq: 29 Jun 2017 22:25

Instrument :

BNA_F

ClientSampleId :

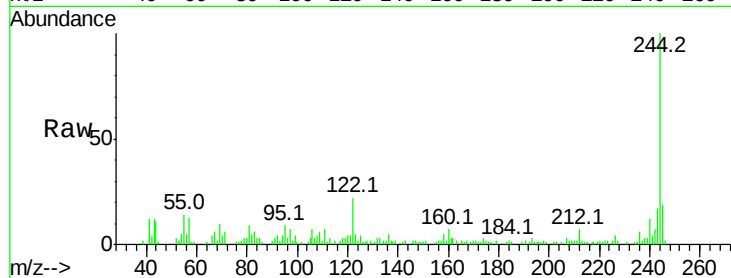
Tot Ion:244 Resp: 27115

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

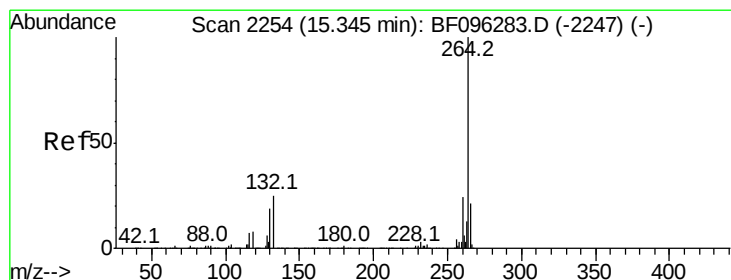
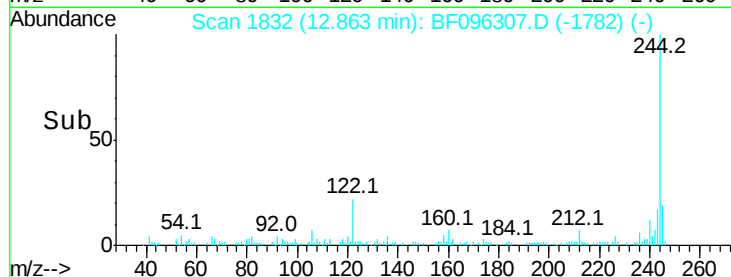
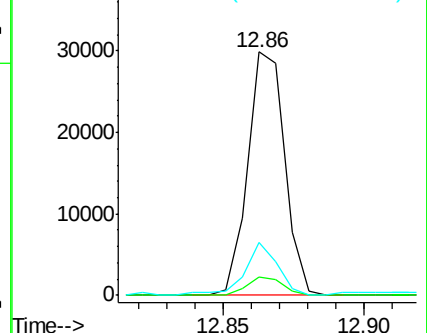
122 21.7 10.3 15.5#



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: BF096307.D

Acq: 29 Jun 2017 22:25

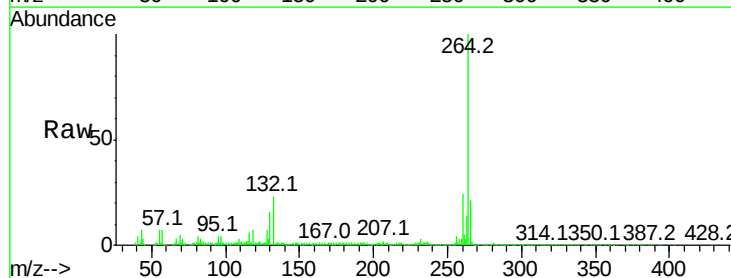
Tgt Ion:264 Resp: 267155

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.2 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

