

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096365.D
 Acq On : 1 Jul 2017 4:44
 Operator : SJ/MA
 Sample : I3974-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 01 06:27:07 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	6.76	152	139568	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	525118	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	188612	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	318684	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	239054	20.00	ng	-0.01
86) Perylene-d12	15.33	264	167387	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	499302	51.54	ng	-0.01
7) Phenol-d6	6.39	99	592687	50.53	ng	0.00
23) Nitrobenzene-d5	7.32	82	304757	40.18	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	103103	69.46	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	497085	48.27	ng	-0.03
78) Terphenyl-d14	12.86	244	409364	42.73	ng	-0.01

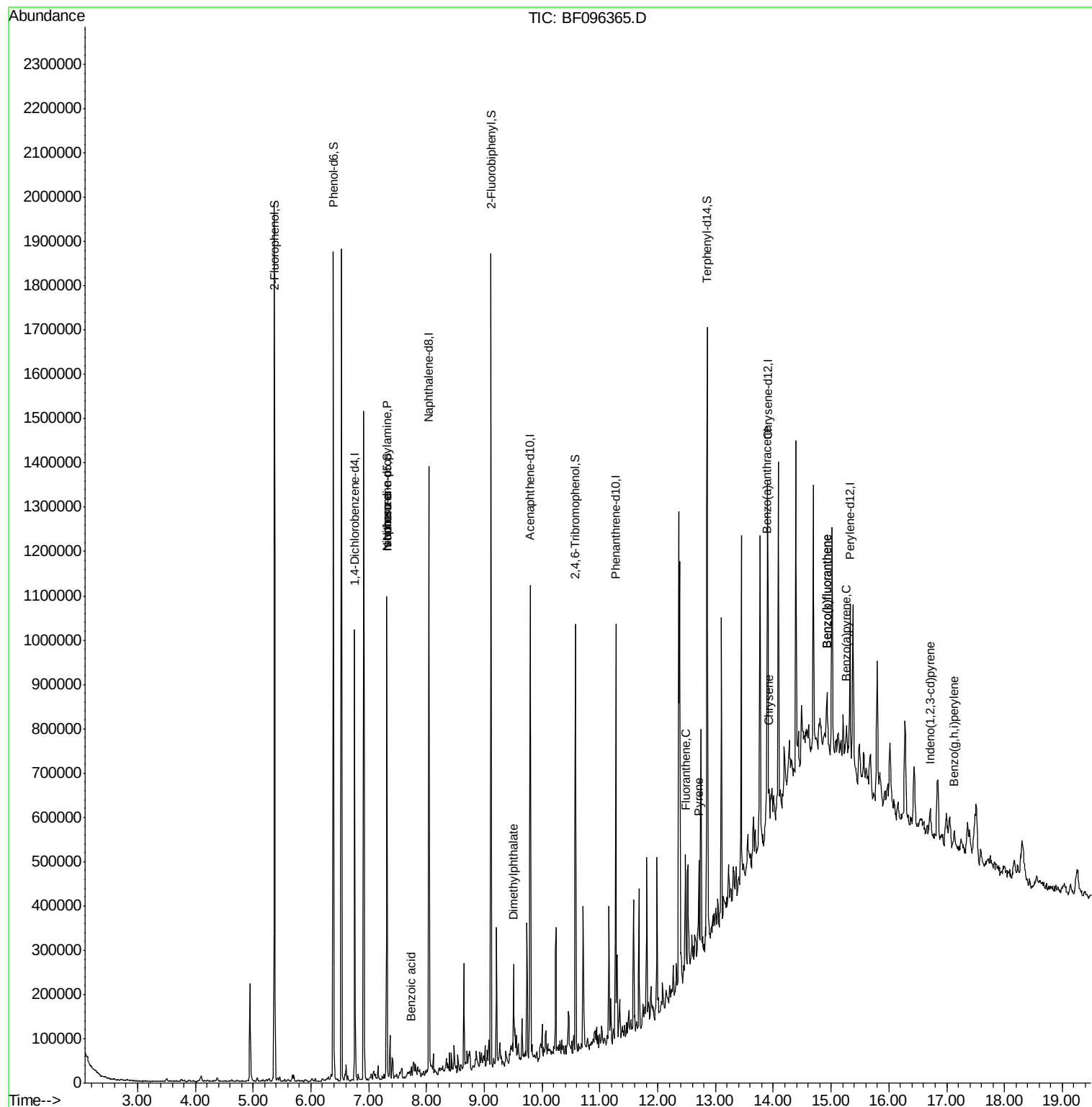
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	750	Below Cal	#	72
19) n-Nitroso-di-n-propylamine	7.32	70	40374	5.75	ng	87
25) Isophorone	7.32	82	304626	17.68	ng	67
32) Benzoic acid	7.73	122	1062	8.94	ng	85
49) Dimethylphthalate	9.51	163	71795	5.32	ng	98
57) Fluorene	10.34	166	7022	Below Cal		99
60) 4-Chlorophenyl-phenylether	10.07	204	144	Below Cal	#	74
70) Phenanthrene	11.30	178	65500	Below Cal		98
74) Fluoranthene	12.48	202	85691	4.84	ng	97
77) Pyrene	12.71	202	85796	4.37	ng	98
80) Benzo(a)anthracene	13.89	228	37567	2.58	ng	80
82) Chrysene	13.93	228	36484	2.42	ng	93
85) Indeno(1,2,3-cd)pyrene	16.71	276	32526	2.60	ng	96
87) Benzo(b)fluoranthene	14.92	252	68635	6.24	ng	78
88) Benzo(k)fluoranthene	14.92	252	68635	6.84	ng	82
89) Benzo(a)pyrene	15.27	252	36169	3.72	ng	79
91) Benzo(a,h,i)perylene	17.13	276	39119	4.95	ng	91

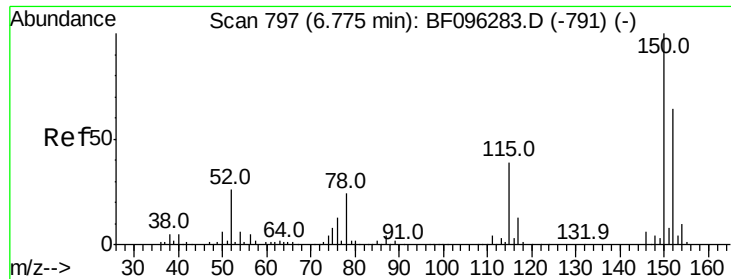
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096365.D
Acq On : 1 Jul 2017 4:44
Operator : SJ/MA
Sample : I3974-01
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 01 06:27:07 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



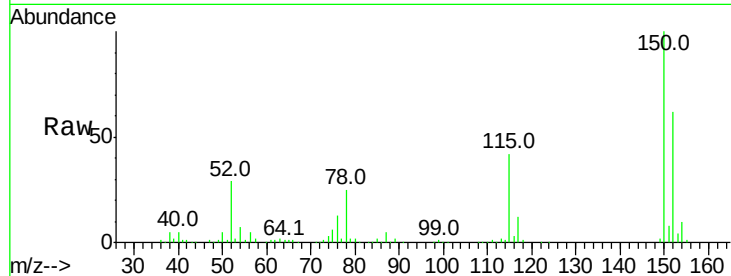


#1

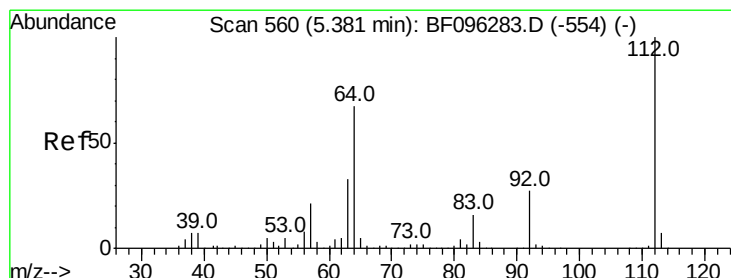
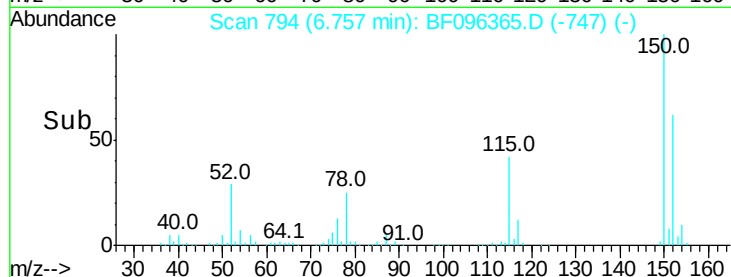
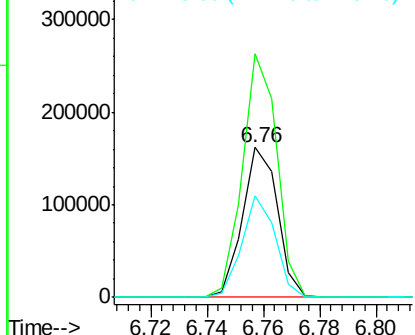
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096365.D
Acq: 1 Jul 2017 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139568
Ion Ratio Lower Upper
152 100
150 162.5 126.2 189.2
115 68.0 52.2 78.2



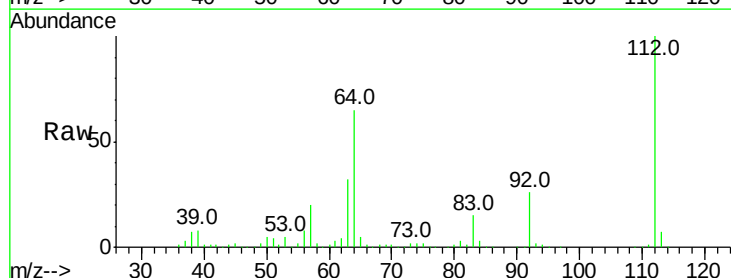
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



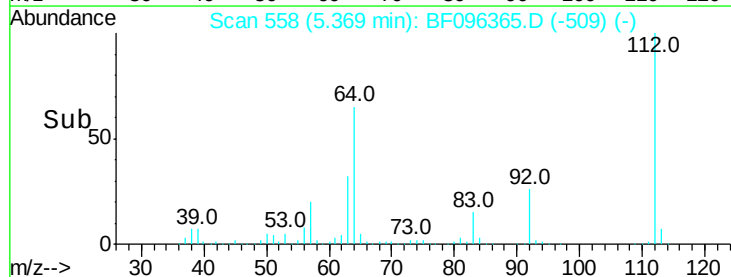
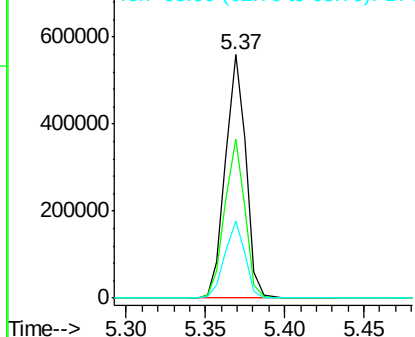
#5

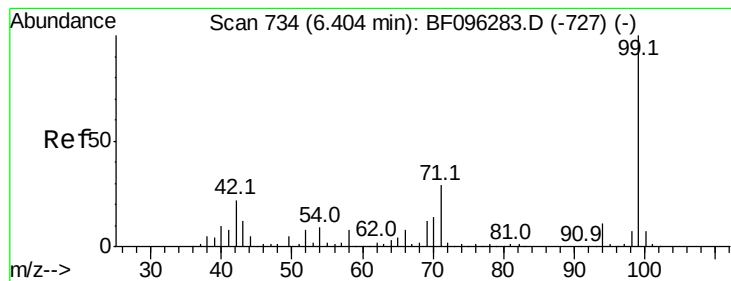
2-Fluorophenol
Concen: 51.54 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF096365.D
Acq: 1 Jul 2017 4:44

Tgt Ion:112 Resp: 499302
Ion Ratio Lower Upper
112 100
64 65.2 46.0 69.0
63 31.9 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: 50.53 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :

BNA_F

ClientSampled :

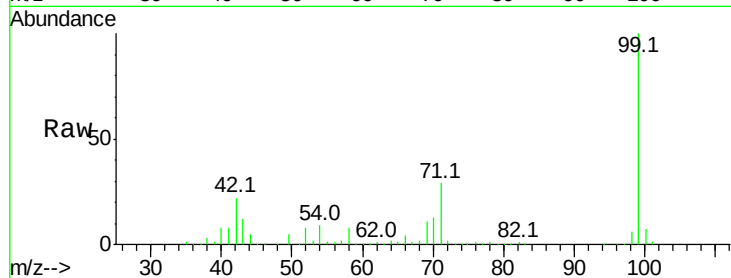
Tot Ion: 99 Resp: 592687

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

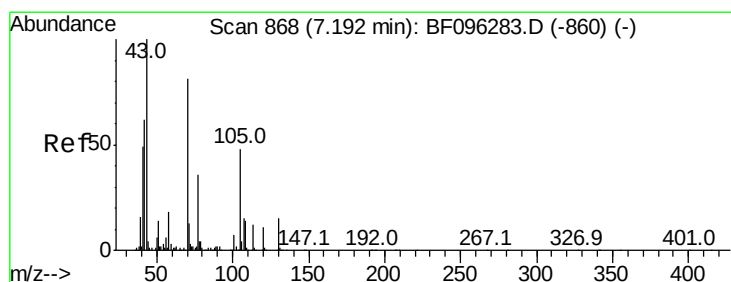
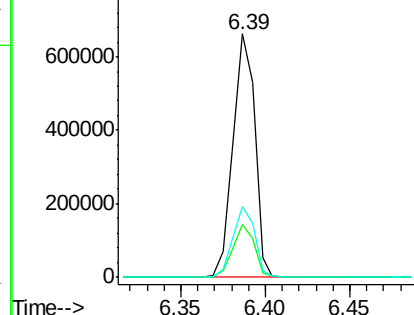
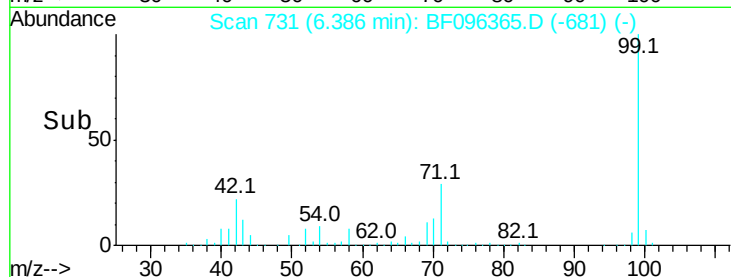
71 29.3 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.75 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Tgt Ion: 70 Resp: 40374

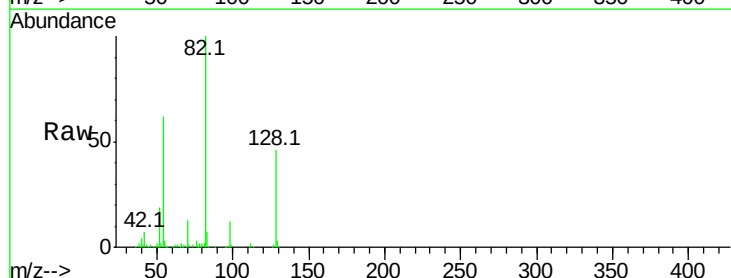
Ion Ratio Lower Upper

70 100

42 56.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

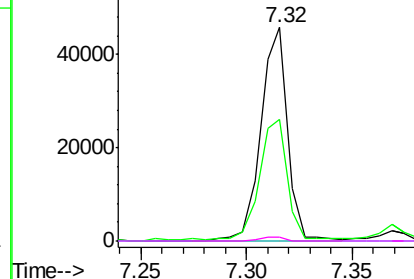
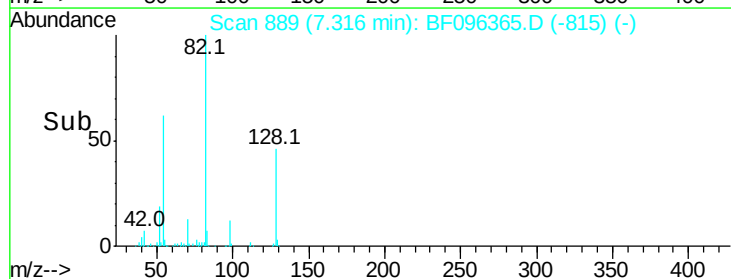


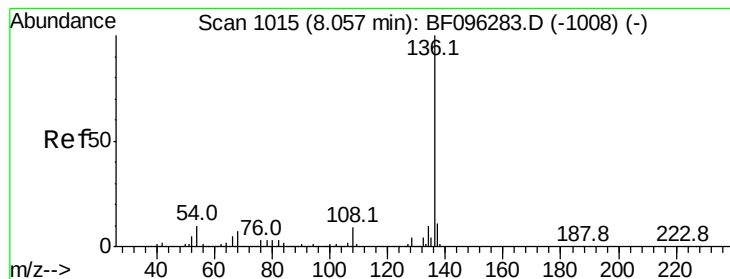
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 525118

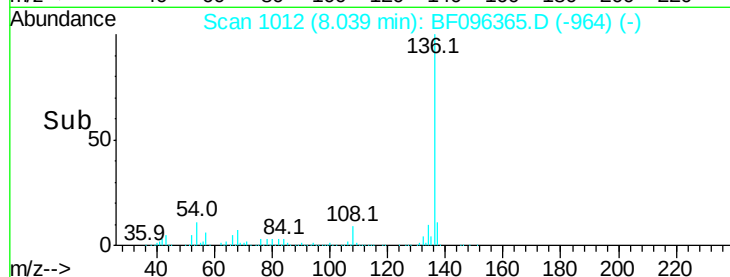
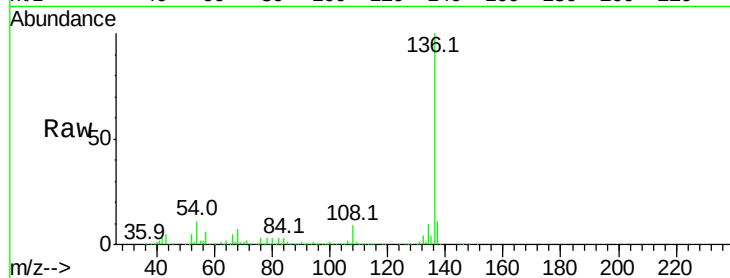
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 11.3 4.9 7.3#

68 6.6 4.1 6.1#

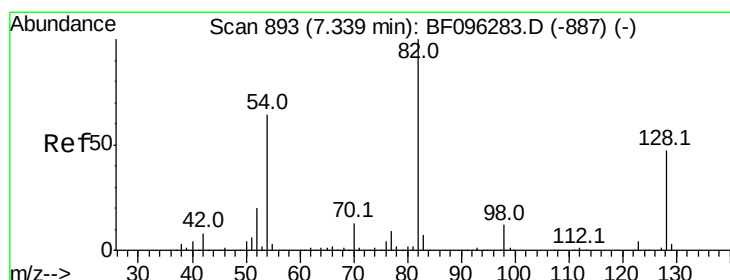
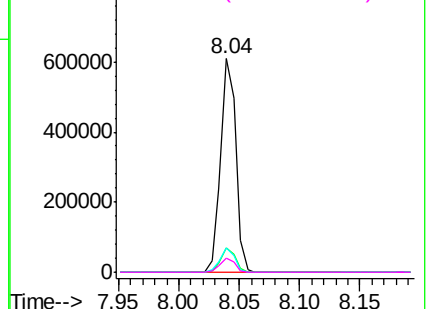


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.18 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.04 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

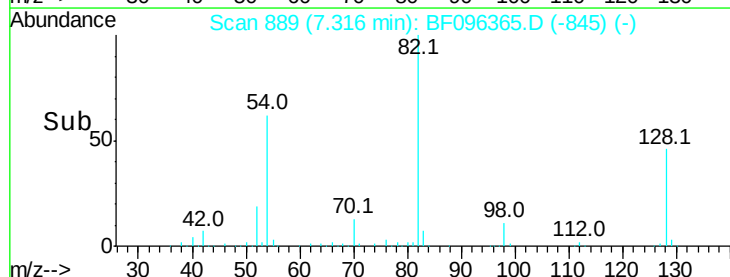
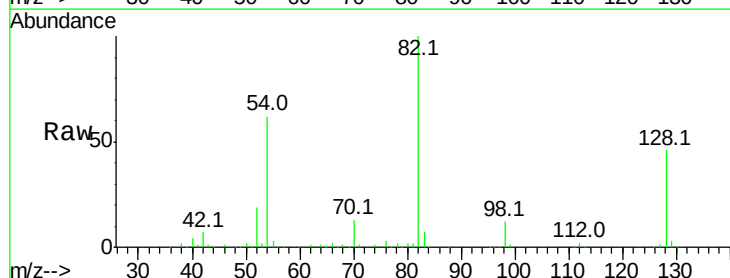
Tgt Ion: 82 Resp: 304757

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

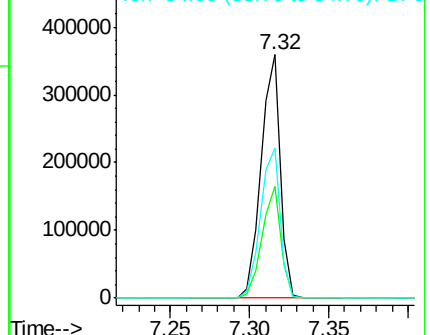
54 61.7 42.2 63.2

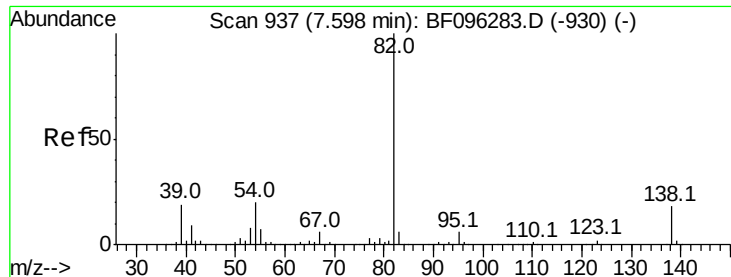


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 17.68 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.28 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :
BNA_F
ClientSampled :

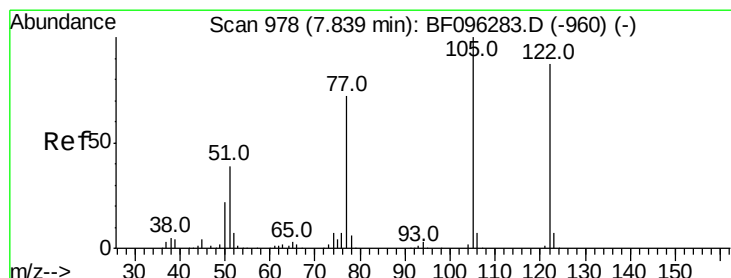
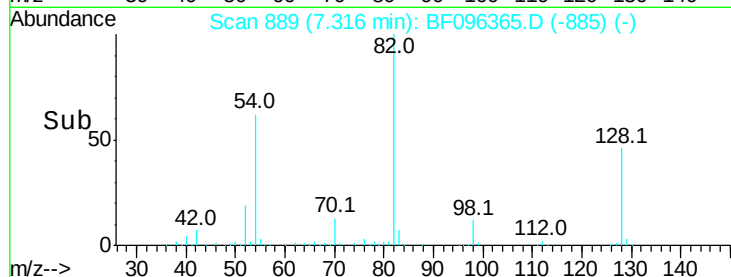
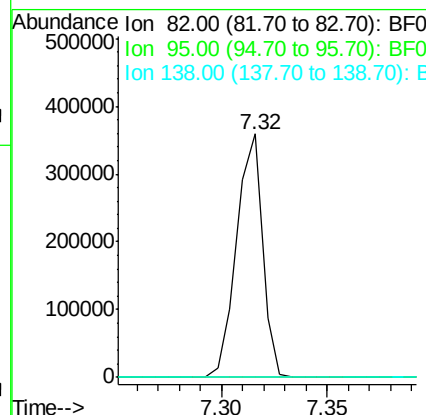
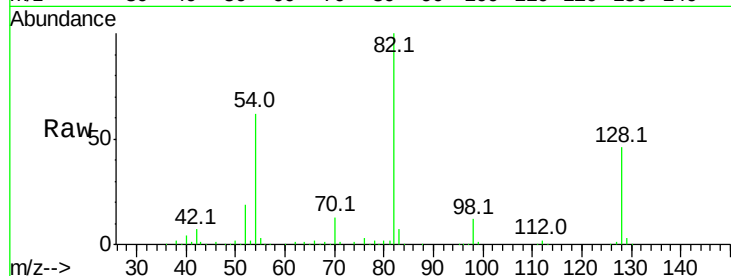
Tot Ion: 82 Resp: 304626

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.94 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.15 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

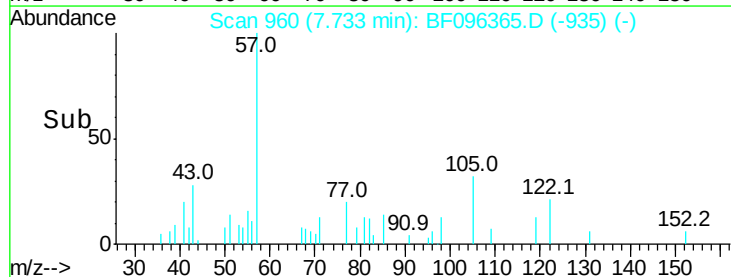
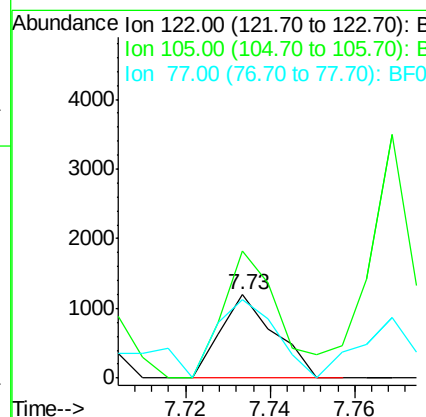
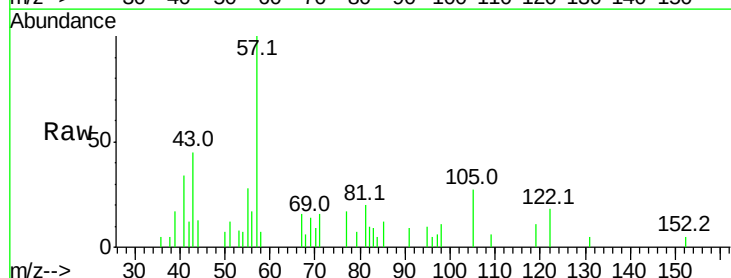
Tgt Ion:122 Resp: 1062

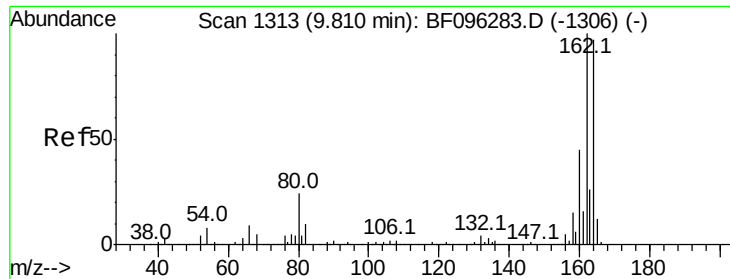
Ion Ratio Lower Upper

122 100

105 151.9 103.3 143.3#

77 94.0 73.7 113.7

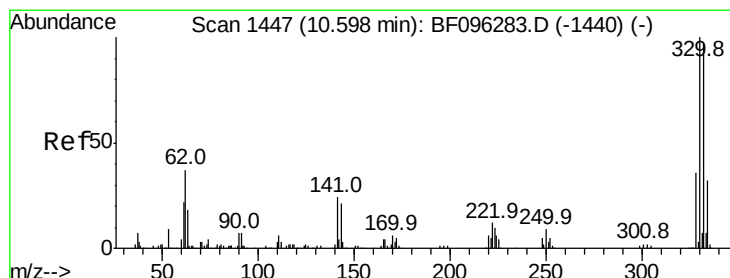
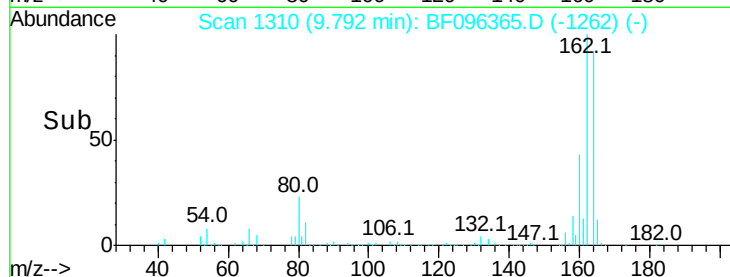
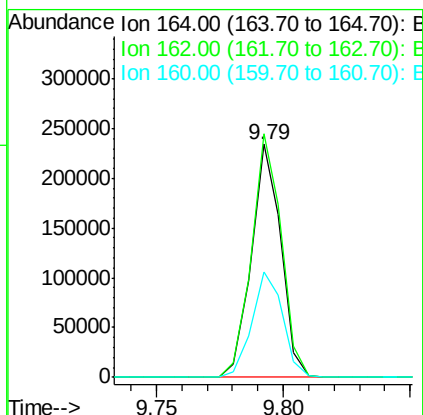
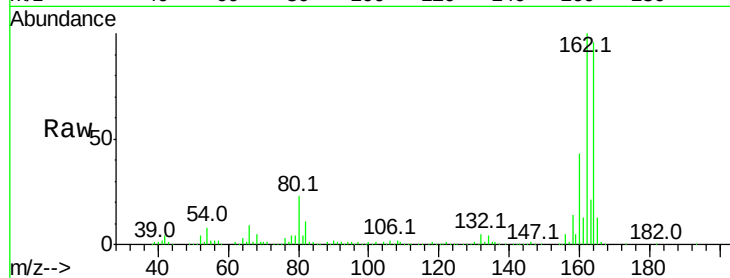




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF096365.D
 Acq: 1 Jul 2017 4:44

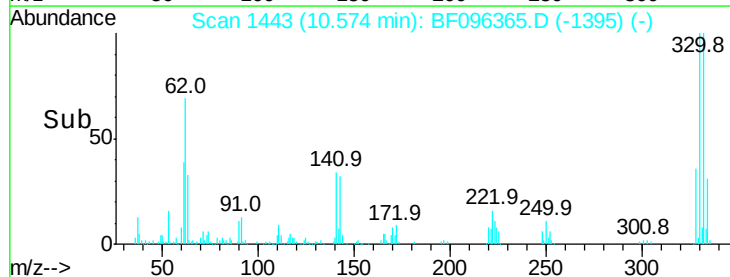
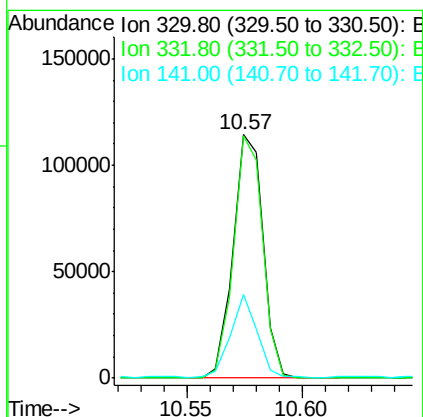
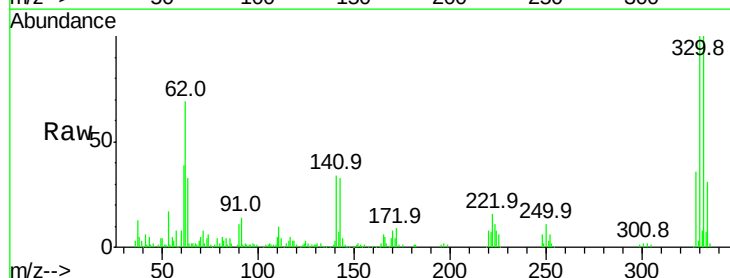
Instrument :
 BNA_F
 ClientSampleId :

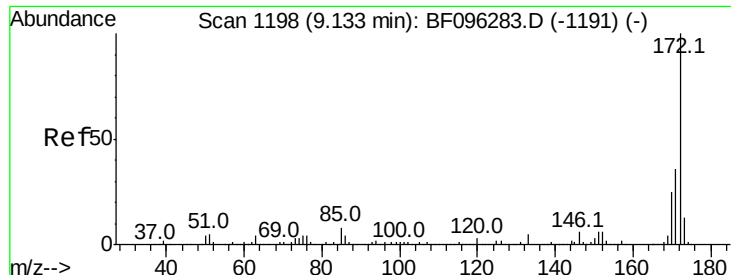
Tot Ion:164 Resp: 188612
 Ion Ratio Lower Upper
 164 100
 162 104.6 82.6 123.8
 160 45.2 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 69.46 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF096365.D
 Acq: 1 Jul 2017 4:44

Tgt Ion:330 Resp: 103103
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 30.3 31.4 47.2#

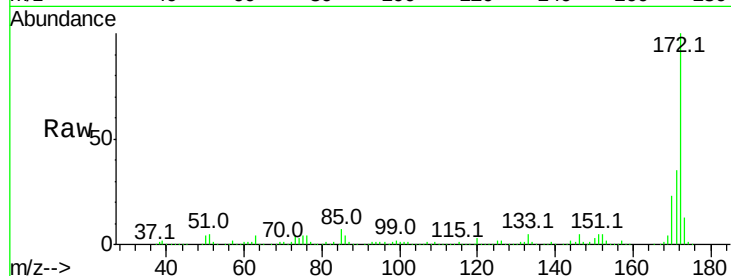




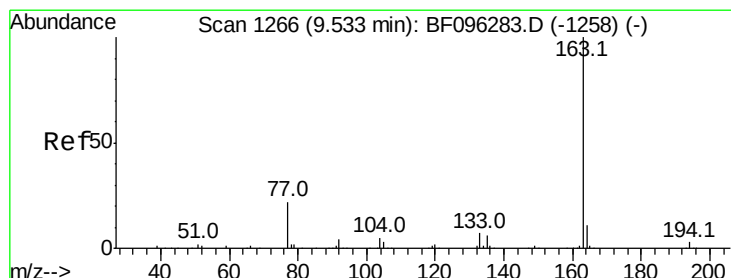
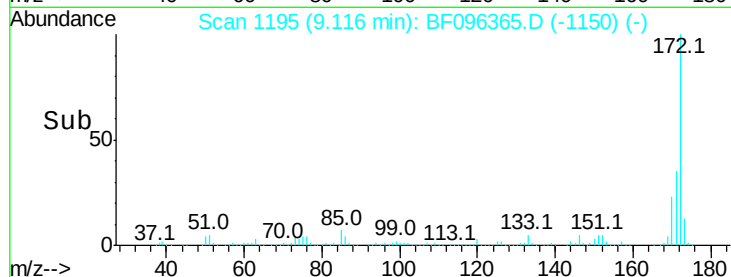
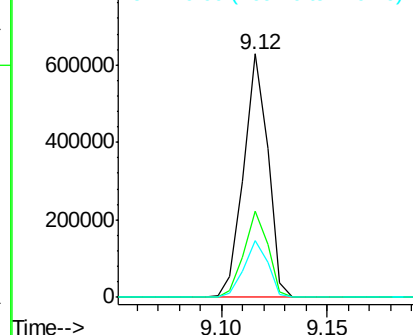
#44
 2-Fluorobiphenyl
 Concen: 48.27 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096365.D
 Acq: 1 Jul 2017 4:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 497085
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.3 19.8 29.8

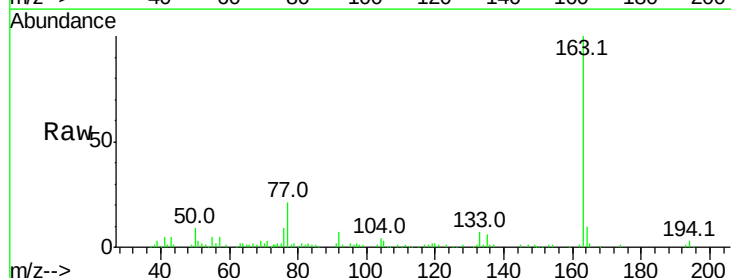


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

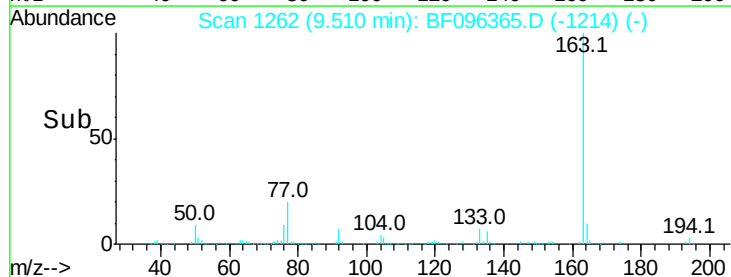
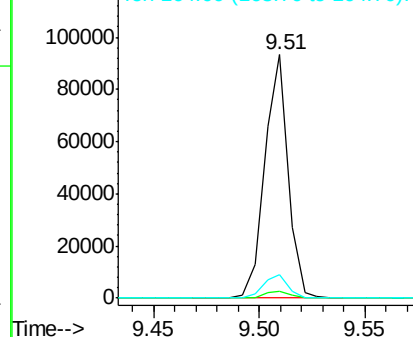


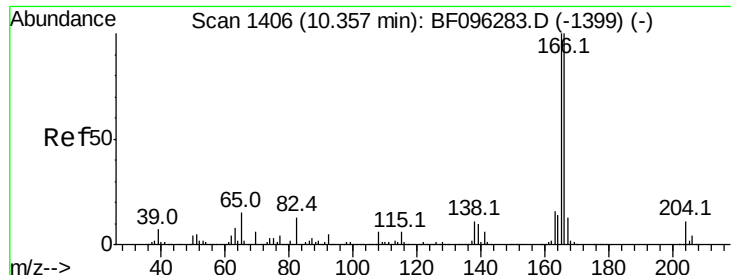
#49
 Dimethylphthalate
 Concen: 5.32 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF096365.D
 Acq: 1 Jul 2017 4:44

Tgt Ion:163 Resp: 71795
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.34 min Scan# 1403

Delta R.T. -0.03 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :

BNA_F

ClientSampleId :

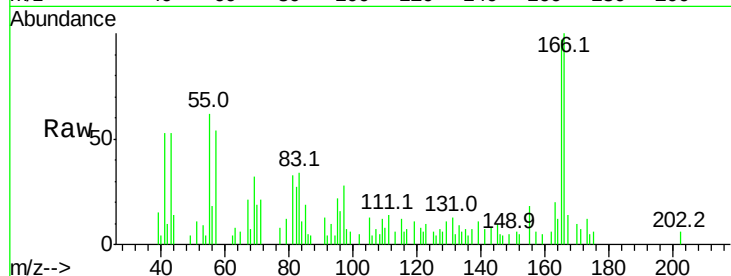
Tot Ion:166 Resp: 7022

Ion Ratio Lower Upper

166 100

165 97.2 78.8 118.2

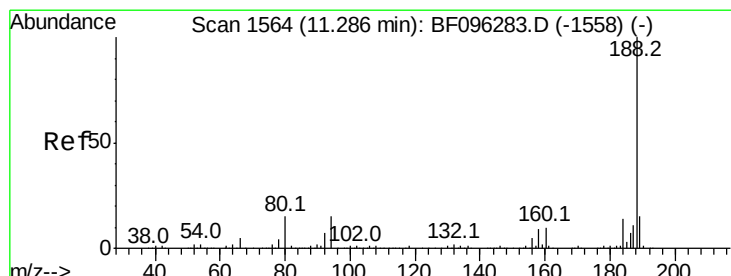
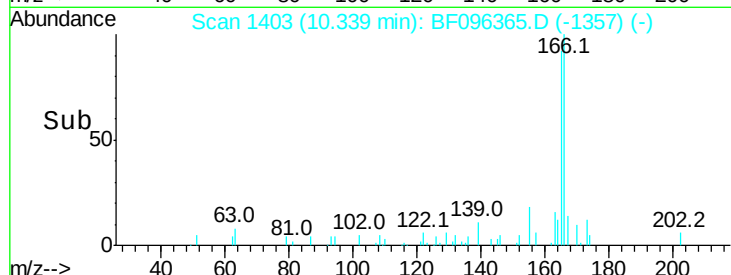
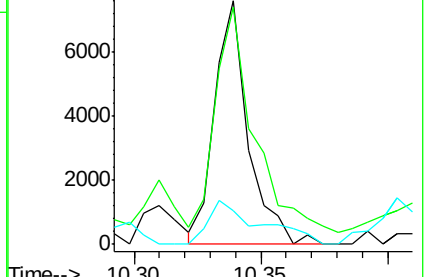
167 13.7 10.6 16.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

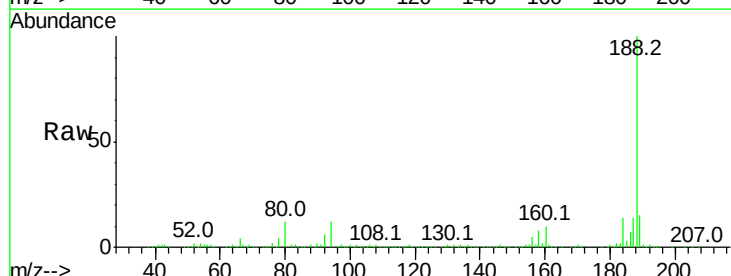
Tgt Ion:188 Resp: 318684

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

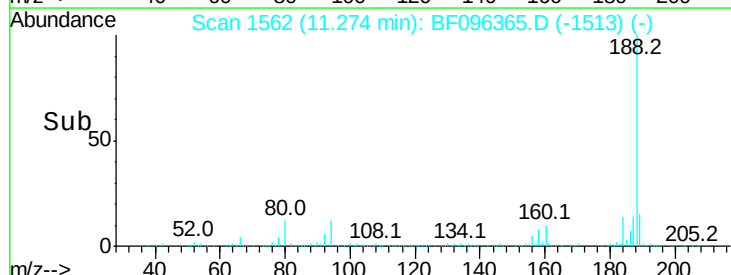
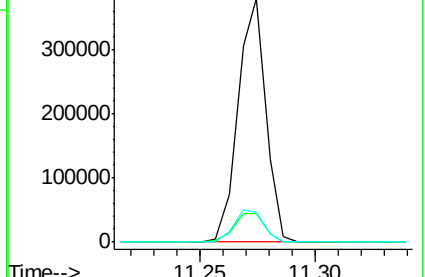
80 12.2 10.2 15.2

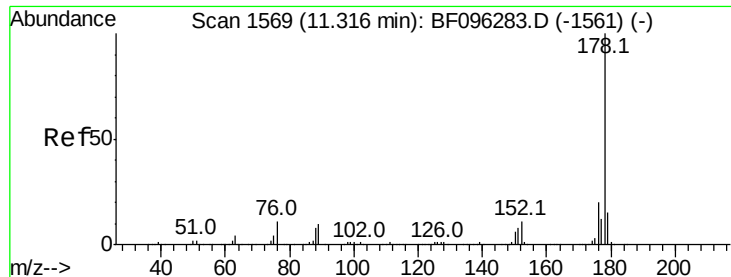


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: Below Cal

RT: 11.30 min Scan# 1566

Delta R.T. -0.03 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :

BNA_F

ClientSampleId :

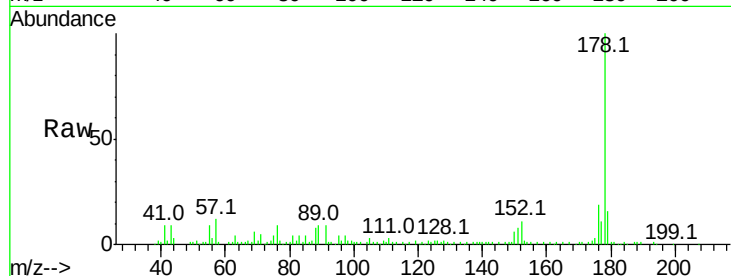
Tot Ion:178 Resp: 65500

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

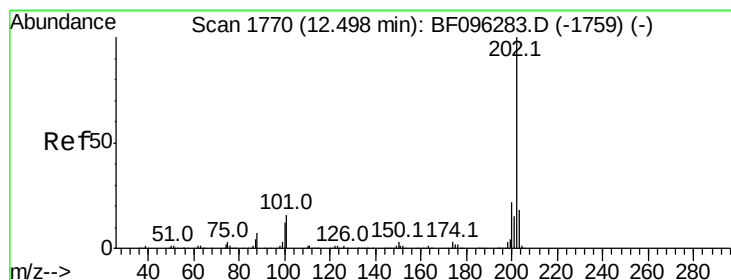
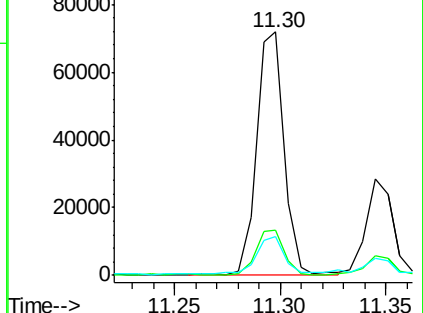
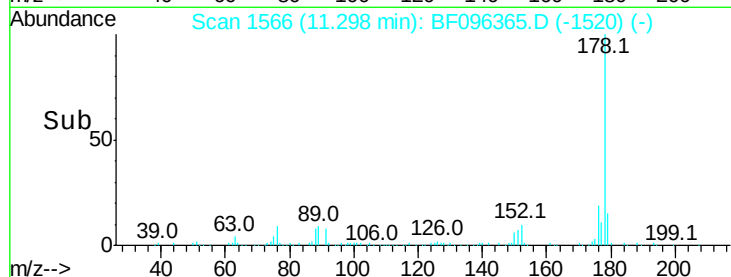
179 15.9 12.6 19.0



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



#74

Fluoranthene

Concen: 4.84 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

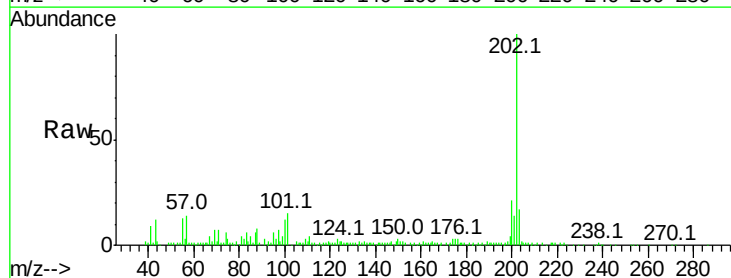
Tgt Ion:202 Resp: 85691

Ion Ratio Lower Upper

202 100

101 15.5 0.0 33.2

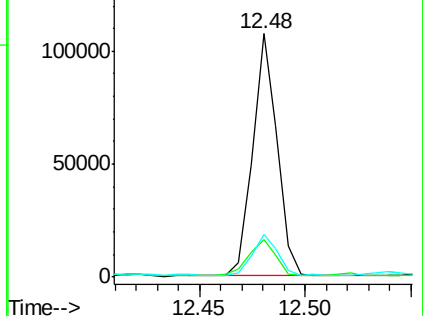
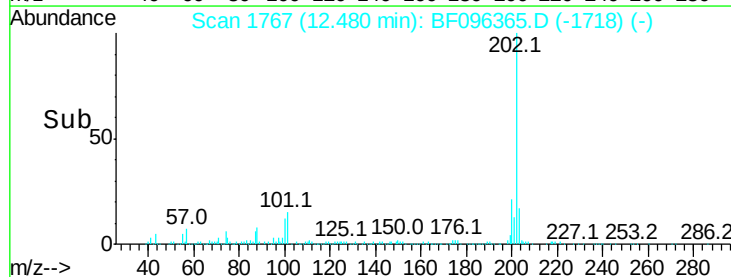
203 17.3 0.0 38.1

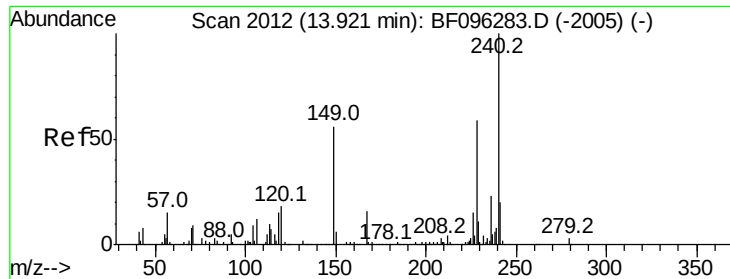


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :

BNA_F

ClientSampleId :

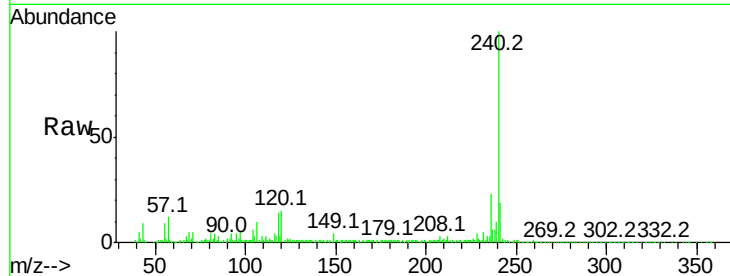
Tot Ion:240 Resp: 239054

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

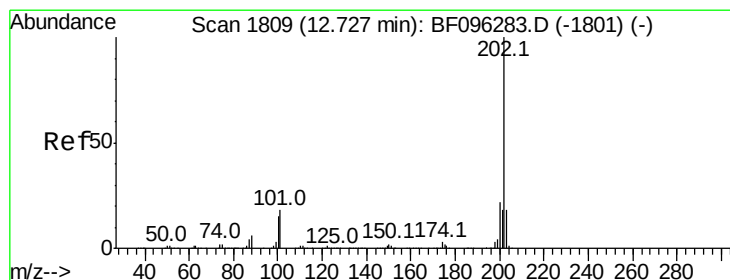
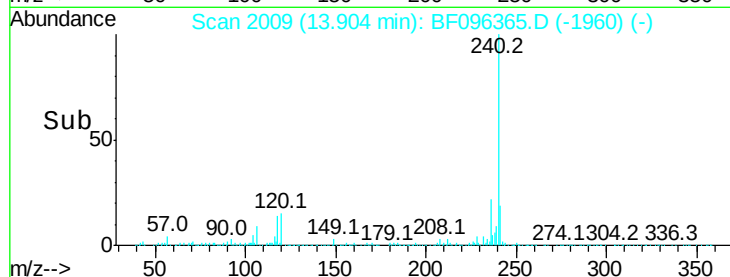
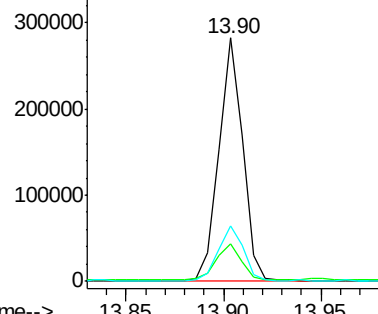
236 22.5 20.5 30.7



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: 4.37 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

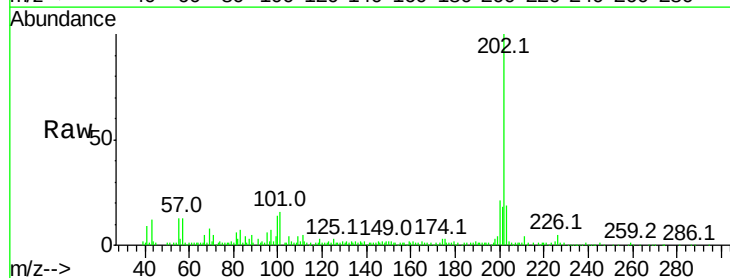
Tgt Ion:202 Resp: 85796

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

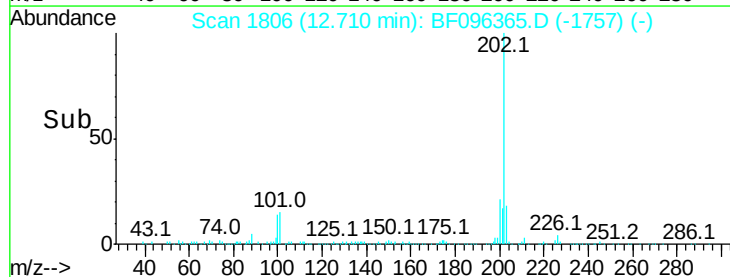
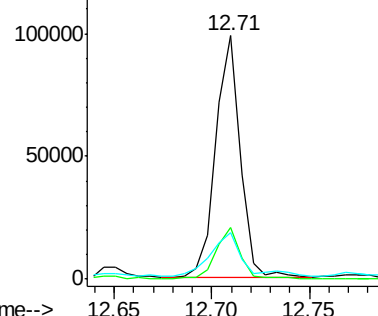
203 19.0 14.4 21.6

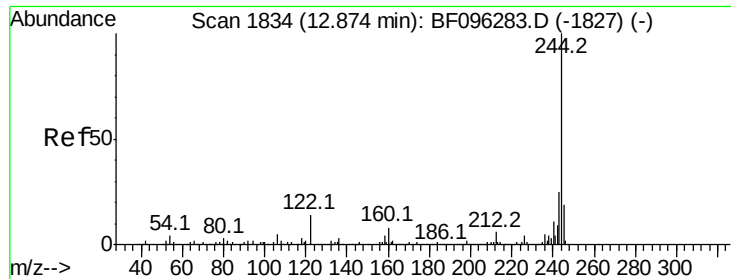


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.73 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :

BNA_F

ClientSampleId :

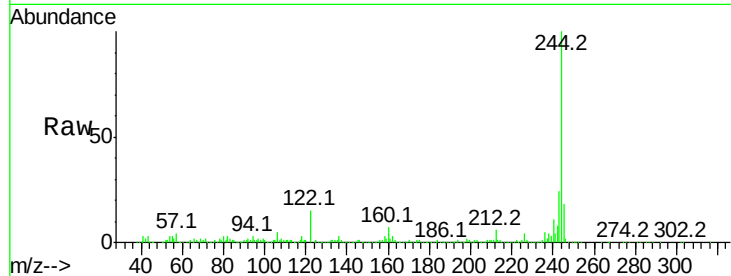
Tot Ion:244 Resp: 409364

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

122 14.9 10.3 15.5

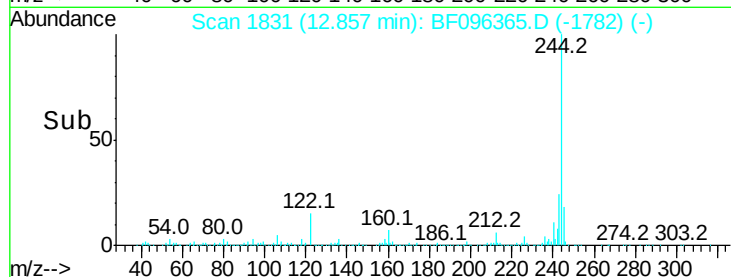


Abundance Ion 244.00 (243.70 to 244.70): E

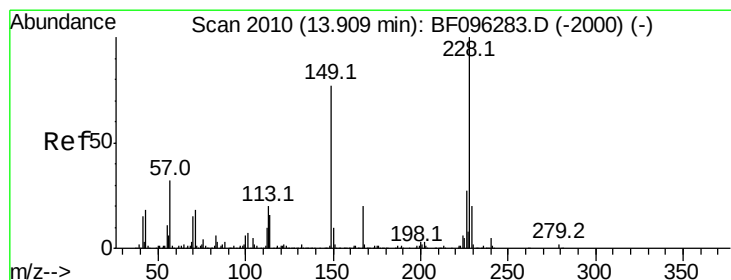
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.86



Time-->



#80

Benzo(a)anthracene

Concen: 2.58 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

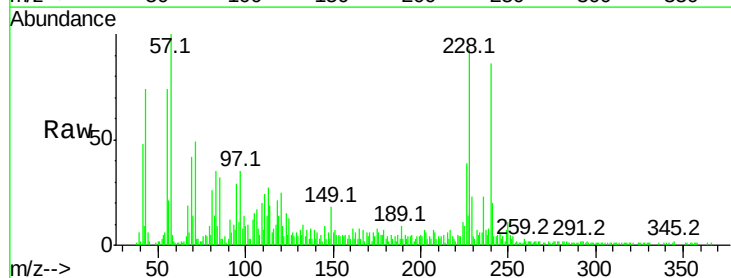
Tgt Ion:228 Resp: 37567

Ion Ratio Lower Upper

228 100

226 42.3 22.6 33.8#

229 25.0 16.3 24.5#

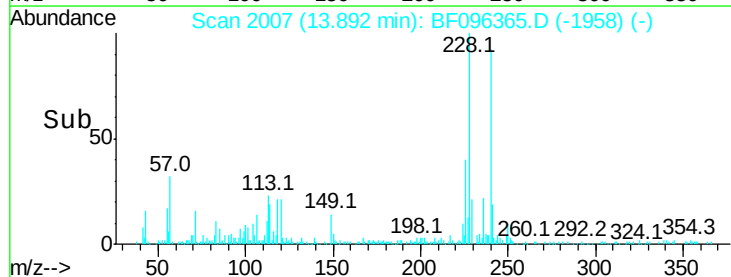


Abundance Ion 228.00 (227.70 to 228.70): E

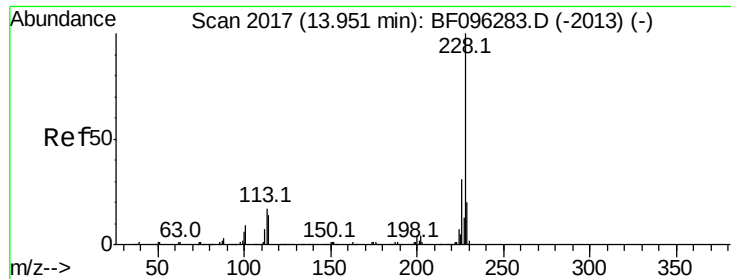
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.89



Time-->



#82

Chrysene

Concen: 2.42 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

Instrument :

BNA_F

ClientSampled :

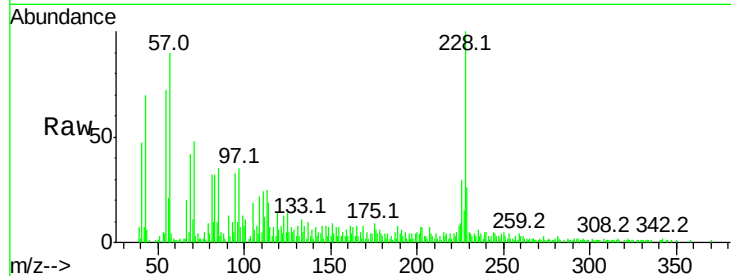
Tot Ion:228 Resp: 36484

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

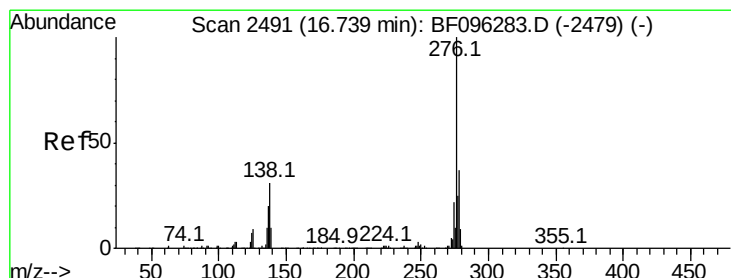
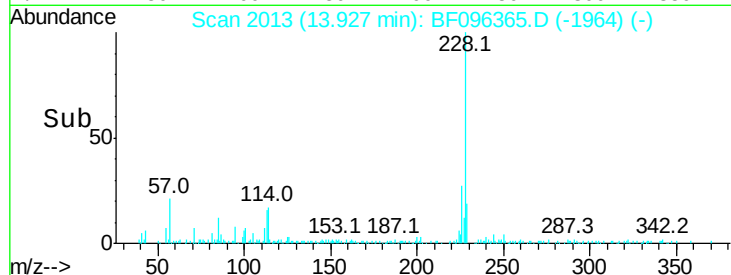
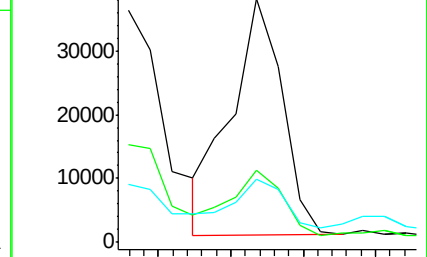
229 25.8 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.60 ng

RT: 16.71 min Scan# 2486

Delta R.T. -0.01 min

Lab File: BF096365.D

Acq: 1 Jul 2017 4:44

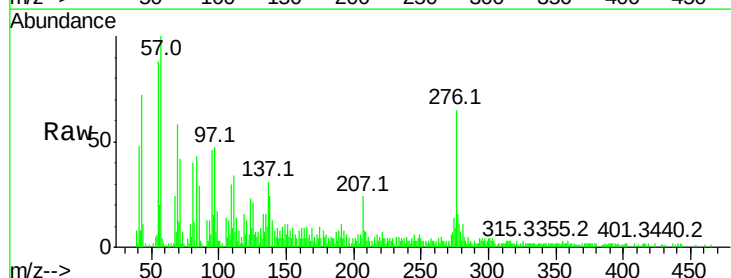
Tgt Ion:276 Resp: 32526

Ion Ratio Lower Upper

276 100

138 31.7 27.8 41.6

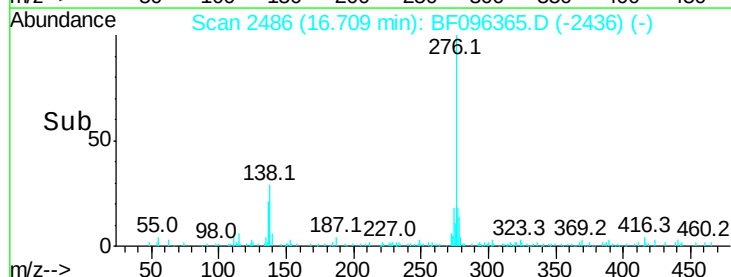
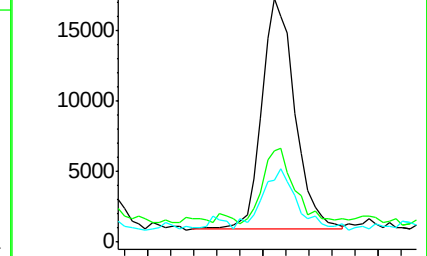
277 26.8 20.2 30.4

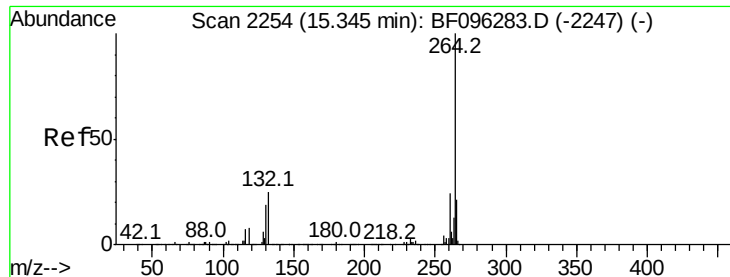


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

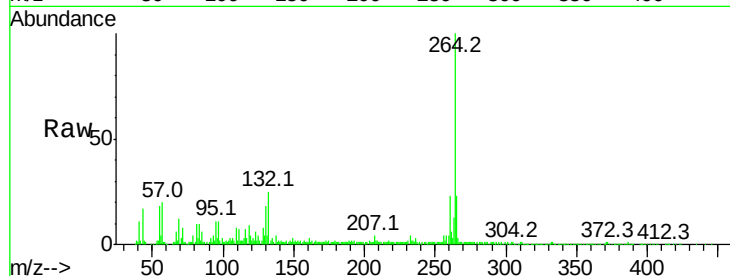




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF096365.D
Acq: 1 Jul 2017 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	23.0	17.2	25.8



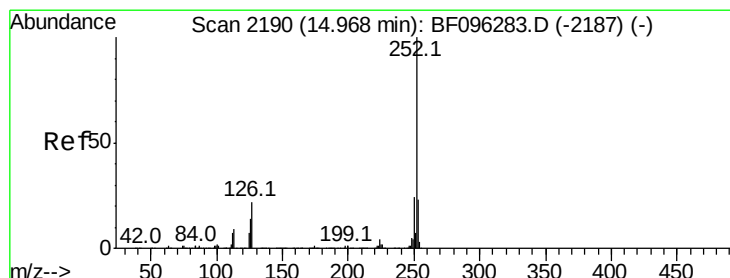
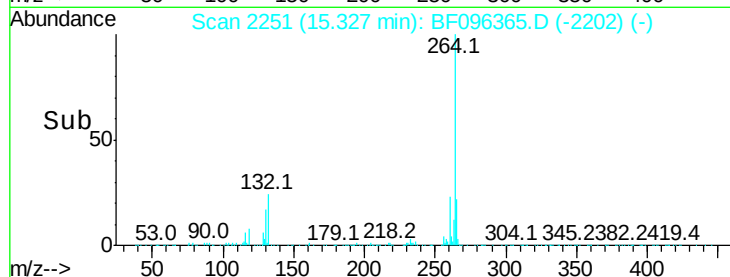
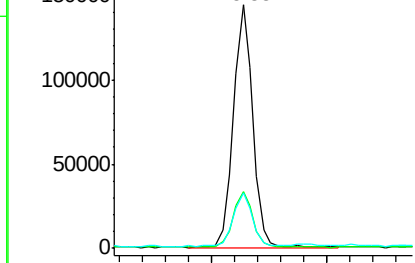
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

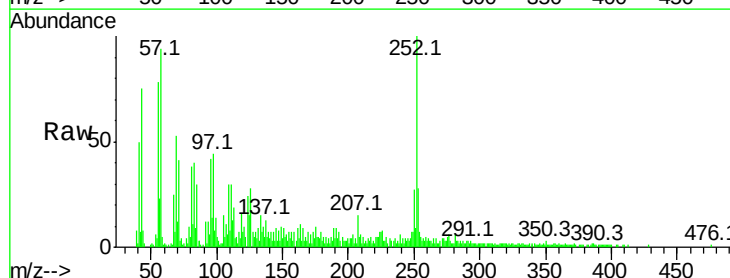
Ion 265.00 (264.70 to 265.70): E

15.33



#87
Benzo(b)fluoranthene
Concen: 6.24 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF096365.D
Acq: 1 Jul 2017 4:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	28.2	9.8	14.8#



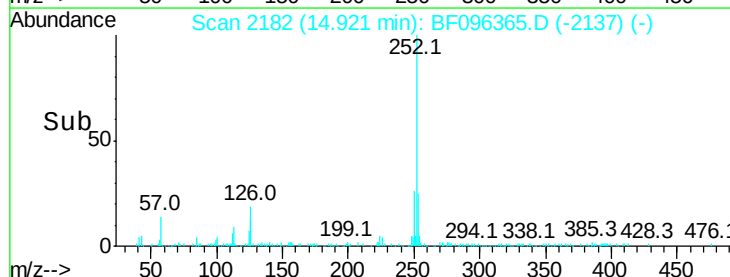
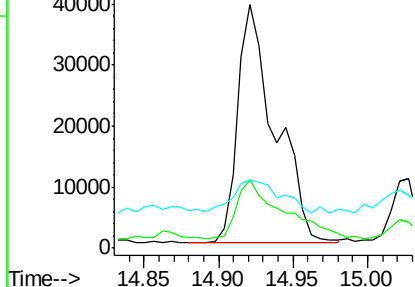
Abundance

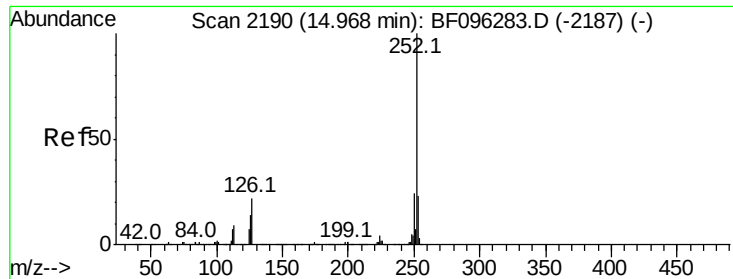
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

14.92

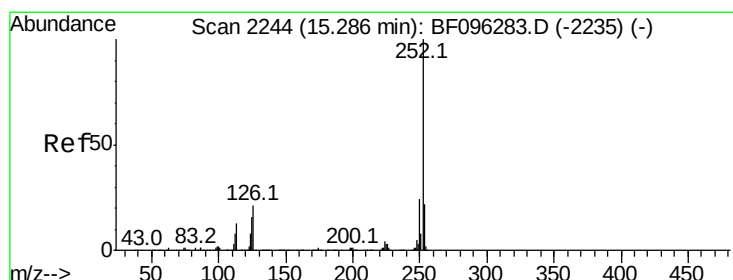
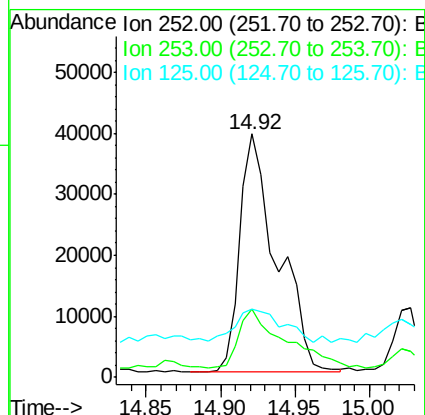
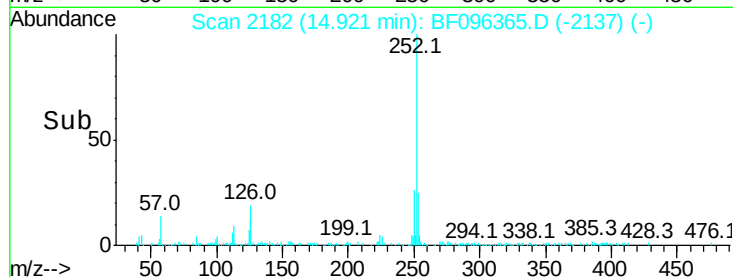
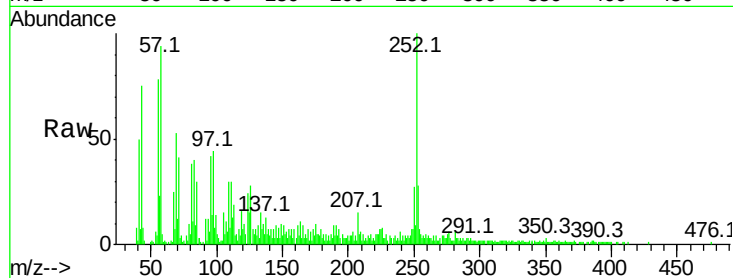




#88
Benzo(k)fluoranthene
Concen: 6.84 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF096365.D
Acq: 1 Jul 2017 4:44

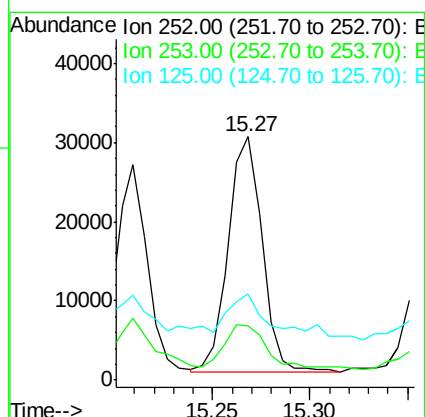
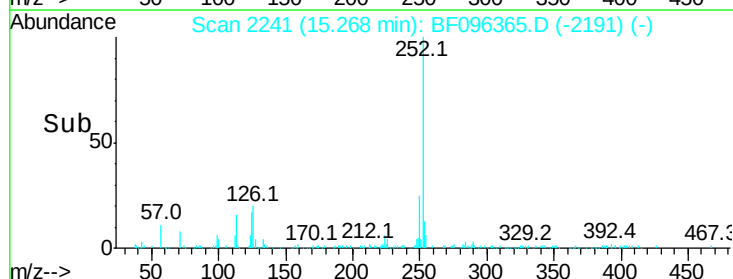
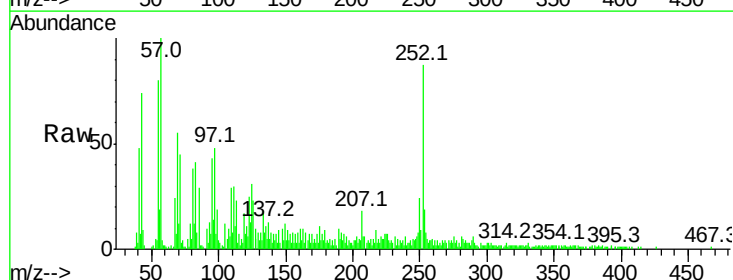
Instrument :
BNA_F
ClientSampleId :

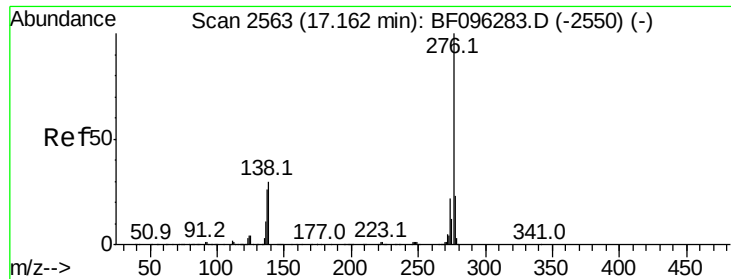
Tot Ion:252 Resp: 68635
Ion Ratio Lower Upper
252 100
253 28.2 18.4 27.6#
125 28.2 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.72 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096365.D
Acq: 1 Jul 2017 4:44

Tgt Ion:252 Resp: 36169
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 35.3 11.0 16.4#

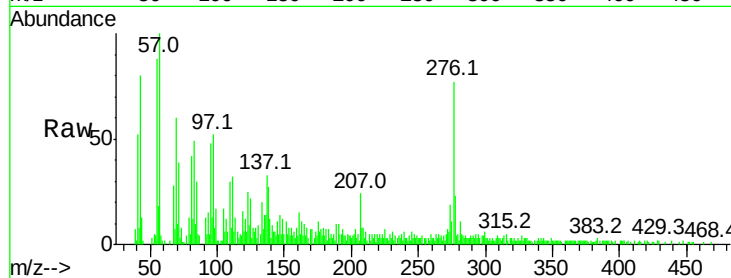




#91
 Benzo(a,h,i)perylene
 Concen: 4.95 ng
 RT: 17.13 min Scan# 2558
 Delta R.T. -0.00 min
 Lab File: BF096365.D
 Acq: 1 Jul 2017 4:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 39119
 Ion Ratio Lower Upper
 276 100
 277 30.2 18.6 28.0#
 138 34.7 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

