

Data File : BF096942.D
Acq On : 21 Jul 2017 14:17
Operator : SJ/JU
Sample : I4253-07 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-07-BASE

Quant Time: Jul 21 23:10:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	94946	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	453397	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	192553	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	312061	20.00	ng	-0.05
75) Chrysene-d12	13.68	240	206168	20.00	ng	-0.05
86) Perylene-d12	15.04	264	189619	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	76901	12.18	ng	-0.05
7) Phenol-d6	6.20	99	90682	11.97	ng	-0.05
23) Nitrobenzene-d5	7.12	82	56171	7.67	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	19929	12.13	ng	-0.05
44) 2-Fluorobiphenyl	8.91	172	92924	7.62	ng	-0.05
78) Terphenyl-d14	12.64	244	58377	4.91	ng	-0.05

Target Compounds						Qvalue
6) Aniline	6.29	93	29017	3.11	ng	# 50
11) bis(2-Chloroethyl)ether	6.29	93	29017	4.50	ng	86
13) 1,4-Dichlorobenzene	6.72	146	18951	2.58	ng	94
14) 1,2-Dichlorobenzene	6.72	146	18951	2.84	ng	95
25) Isophorone	7.12	82	56007	4.11	ng	# 67
31) Naphthalene	7.86	128	123208	5.74	ng	99
32) Benzoic acid	7.65	122	15156	3.42	ng	# 15
37) 2-Methylnaphthalene	8.55	142	136544	9.97	ng	98
50) 2,6-Dinitrotoluene	9.58	165	28577	9.10	ng	# 35
59) Diethylphthalate	10.01	149	33043	2.34	ng	95
85) Indeno(1,2,3-cd)pyrene	16.30	276	2447	3.53	ng	96

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

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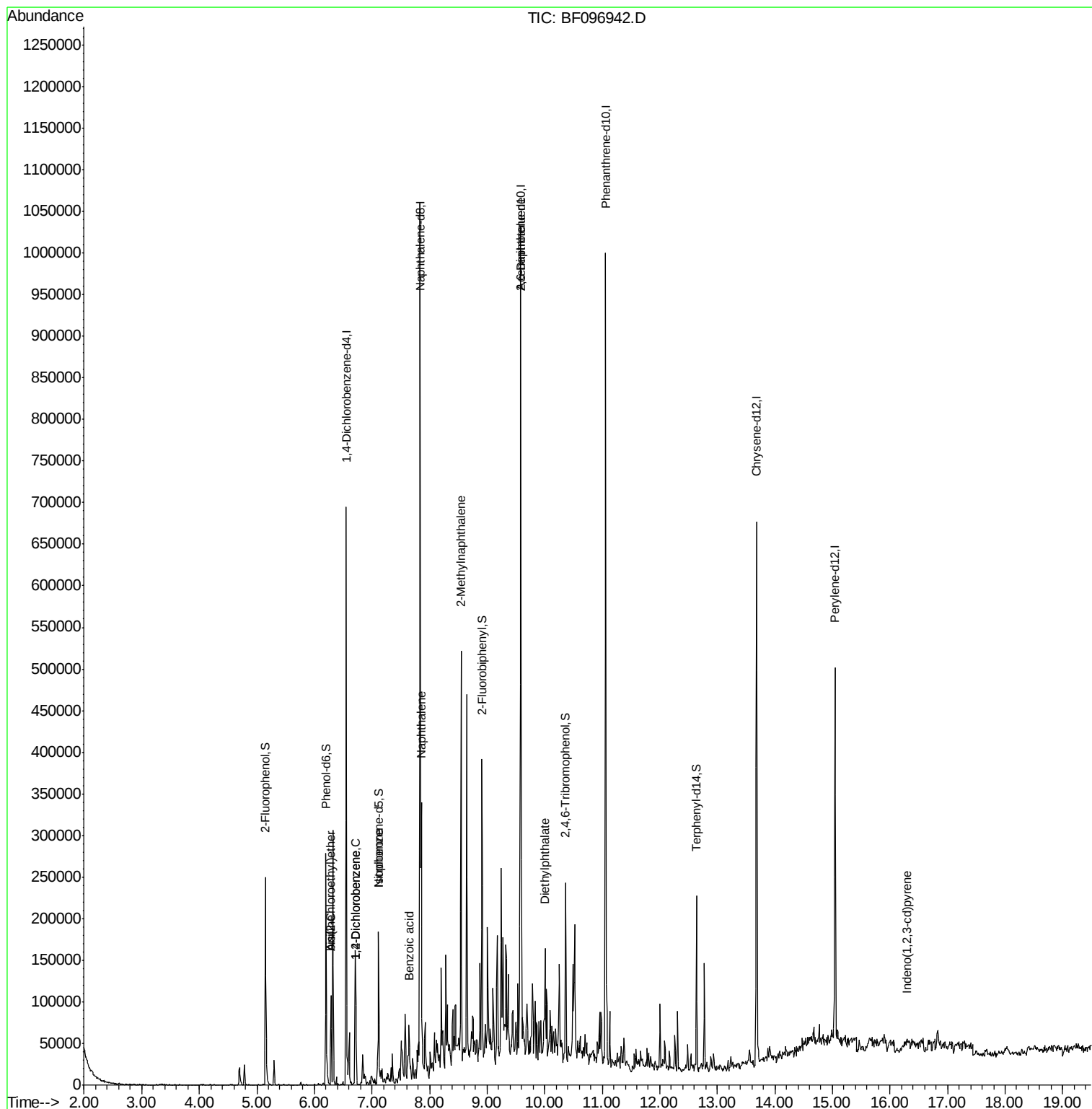
Quant Time: Jul 21 23:10:02 2017

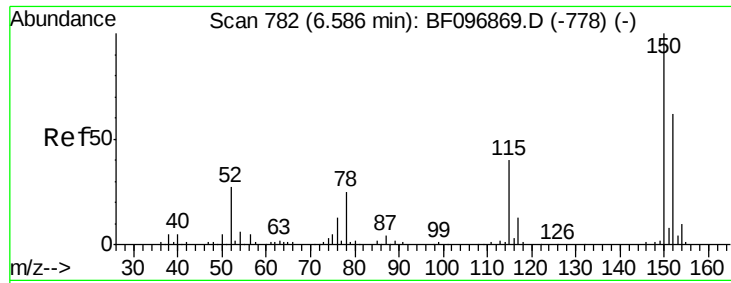
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 18 13:33:22 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 776

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

E2-07-BASE

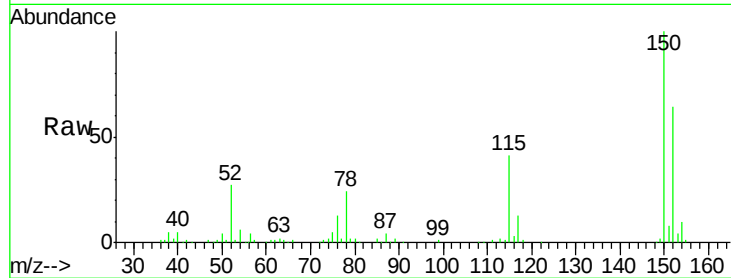
Tgt Ion:152 Resp: 94946

Ion Ratio Lower Upper

152 100

150 157.1 126.2 189.2

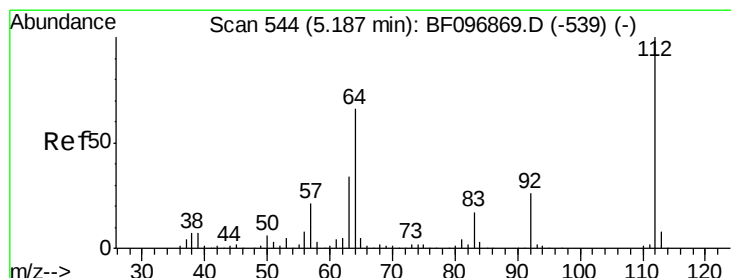
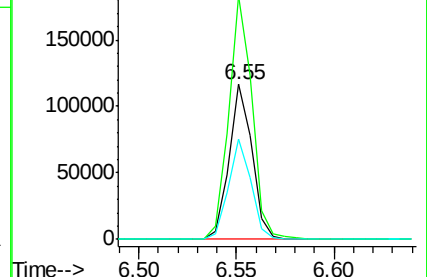
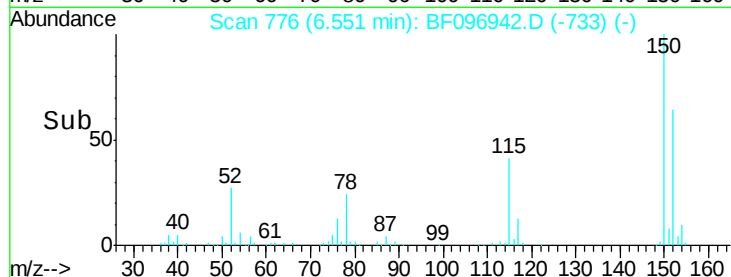
115 64.7 52.2 78.2



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: 12.18 ng

RT: 5.15 min Scan# 538

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

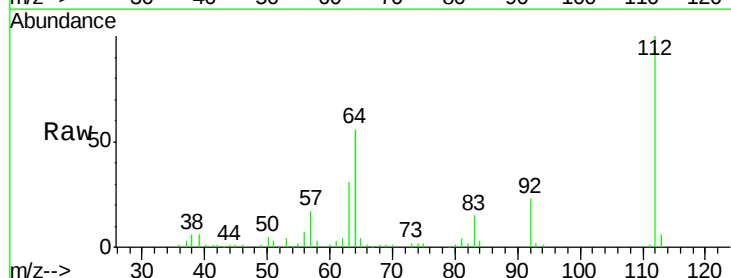
Tgt Ion:112 Resp: 76901

Ion Ratio Lower Upper

112 100

64 55.9 46.0 69.0

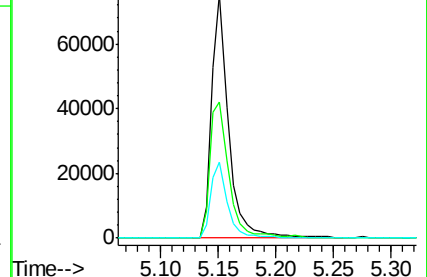
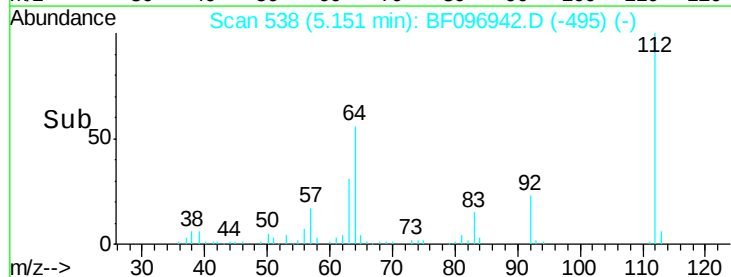
63 31.0 23.4 35.0

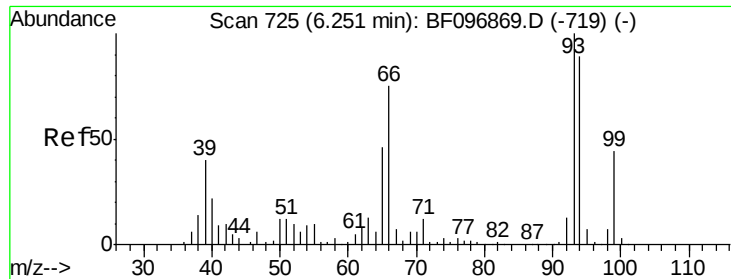


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.11 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.02 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

E2-07-BASE

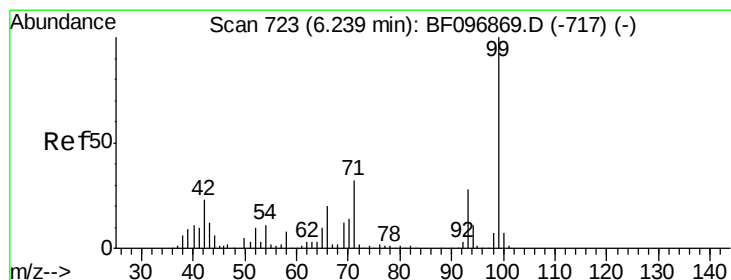
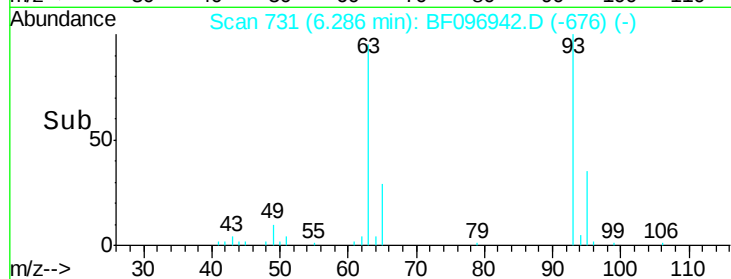
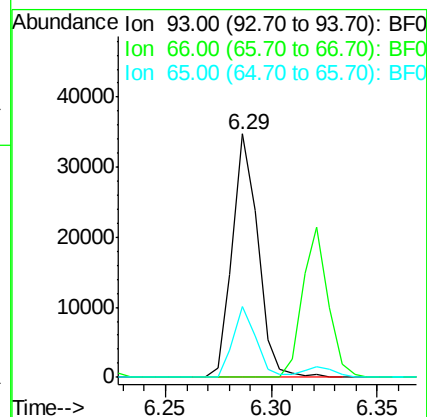
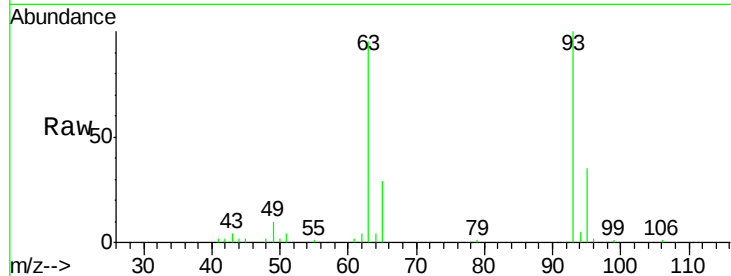
Tgt Ion: 93 Resp: 29017

Ion Ratio Lower Upper

93 100

66 0.0 32.9 49.3#

65 28.8 16.0 24.0#



#7

Phenol-d6

Concen: 11.97 ng

RT: 6.20 min Scan# 716

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

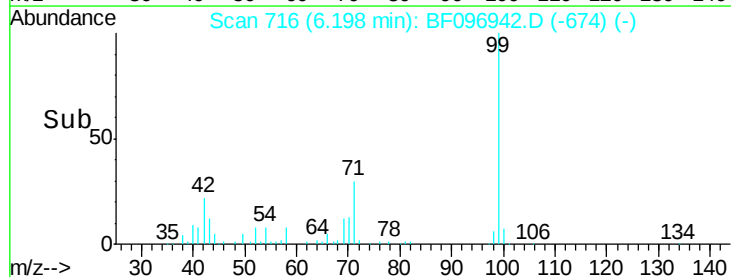
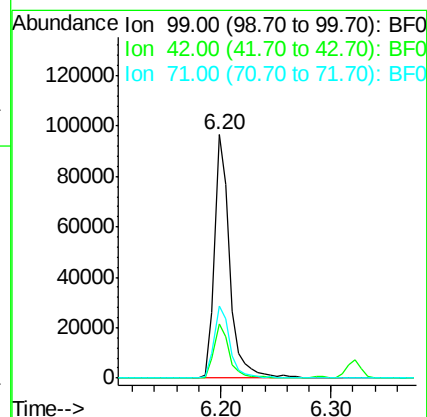
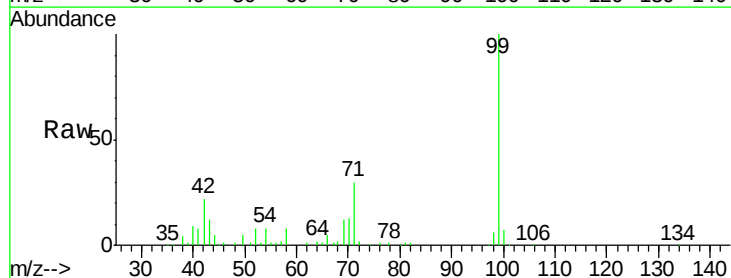
Tgt Ion: 99 Resp: 90682

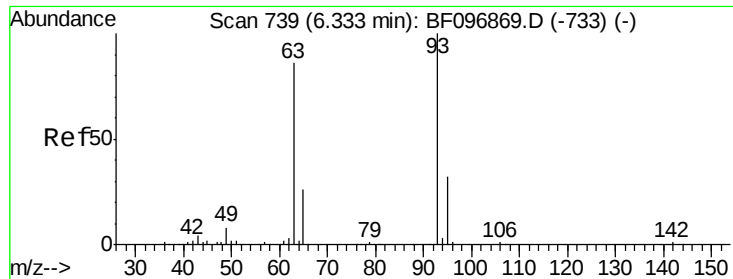
Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

71 29.8 24.5 36.7

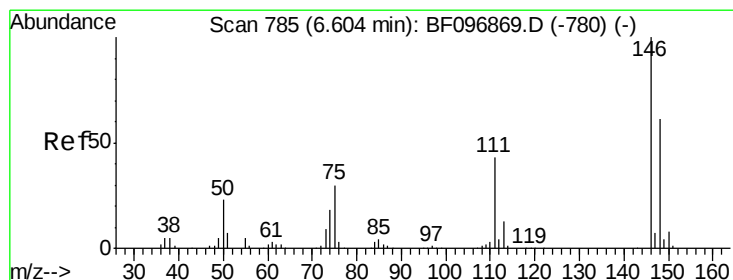
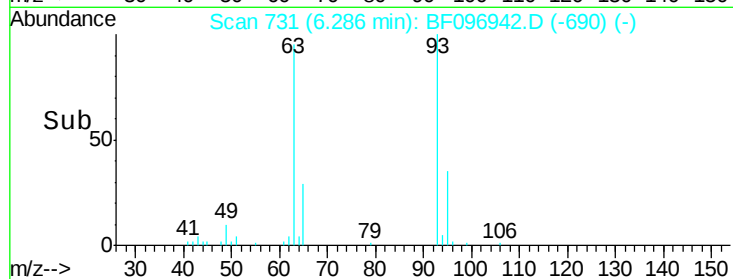
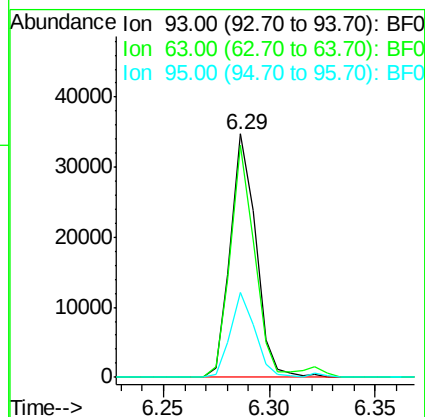
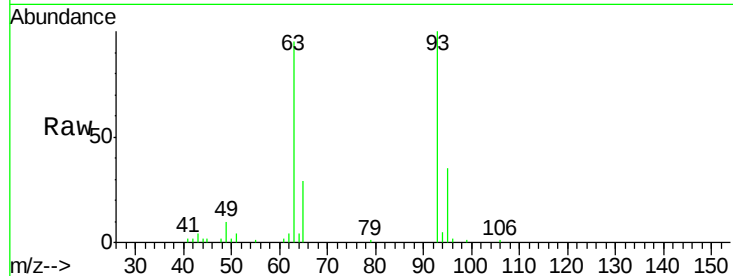




#11
bis(2-Chloroethyl)ether
Concen: 4.50 ng
RT: 6.29 min Scan# 731
Delta R.T. -0.06 min
Lab File: BF096942.D
Acq: 21 Jul 2017 14:17

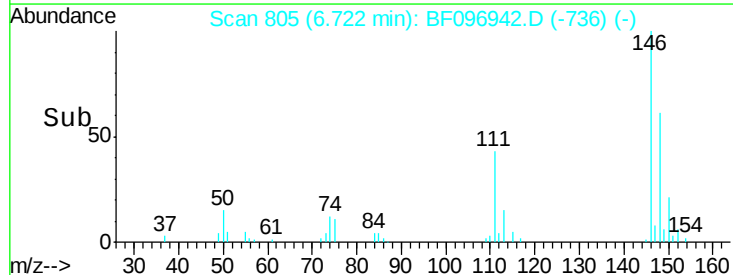
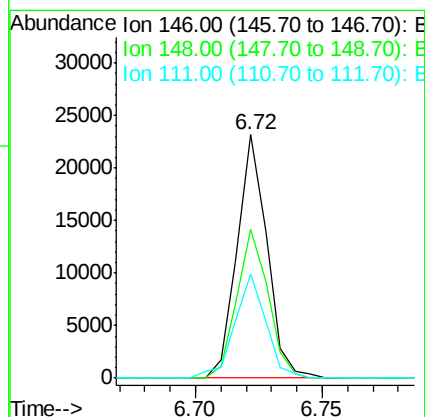
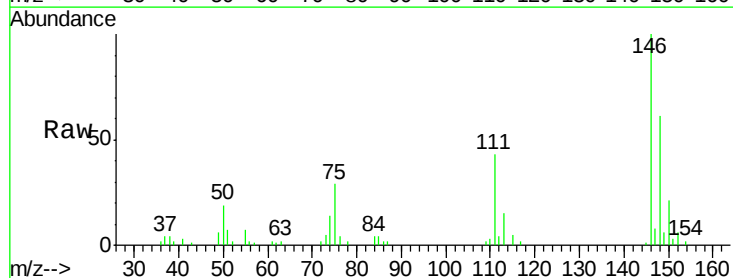
Instrument :
BNA_F
ClientSampleId :
E2-07-BASE

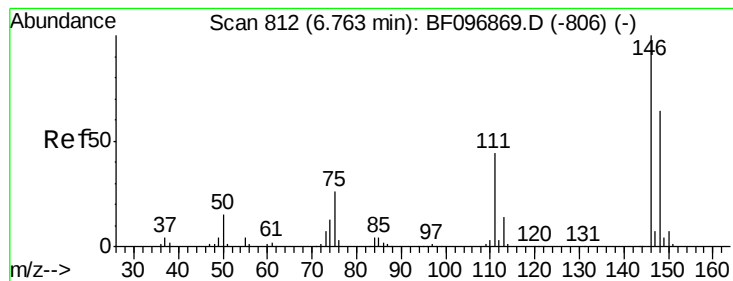
Tgt Ion: 93 Resp: 29017
Ion Ratio Lower Upper
93 100
63 95.2 59.2 99.2
95 35.0 12.8 52.8



#13
1,4-Dichlorobenzene
Concen: 2.58 ng
RT: 6.72 min Scan# 805
Delta R.T. 0.11 min
Lab File: BF096942.D
Acq: 21 Jul 2017 14:17

Tgt Ion: 146 Resp: 18951
Ion Ratio Lower Upper
146 100
148 61.3 52.2 78.2
111 42.5 30.3 45.5





#14

1,2-Dichlorobenzene

Concen: 2.84 ng

RT: 6.72 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

E2-07-BASE

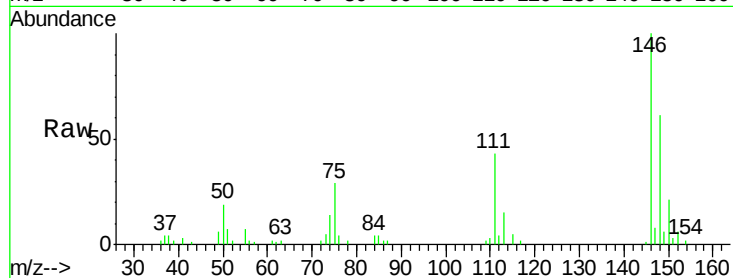
Tgt Ion:146 Resp: 18951

Ion Ratio Lower Upper

146 100

148 61.3 50.4 75.6

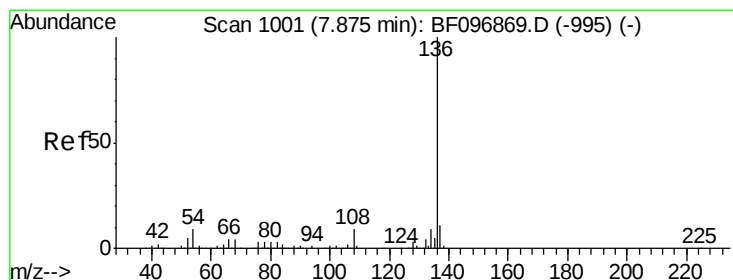
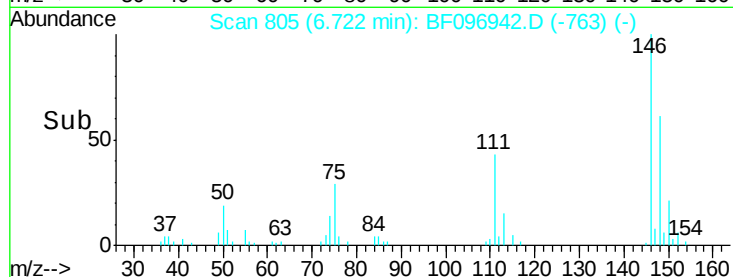
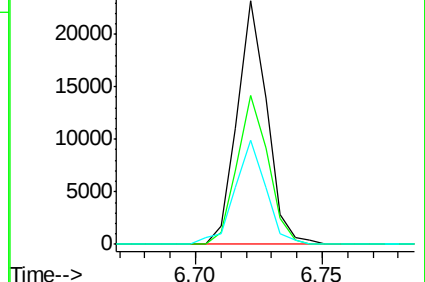
111 42.5 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

Tgt Ion:136 Resp: 453397

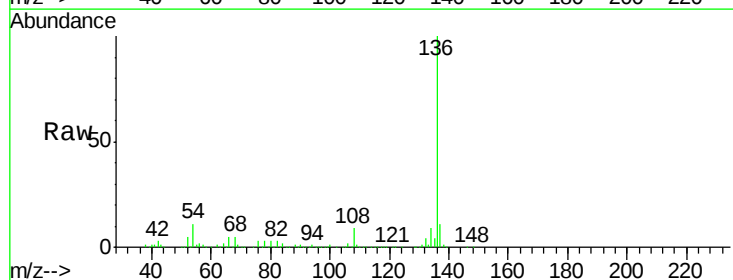
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.8 4.9 7.3#

68 5.2 4.1 6.1

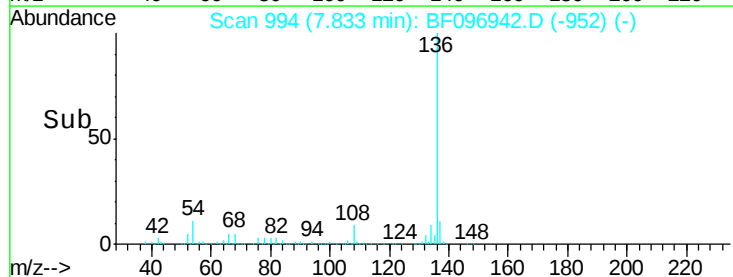
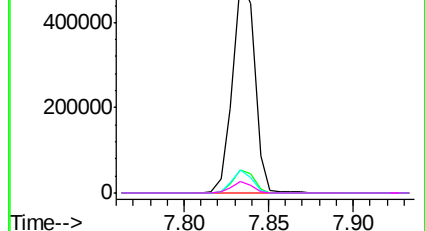


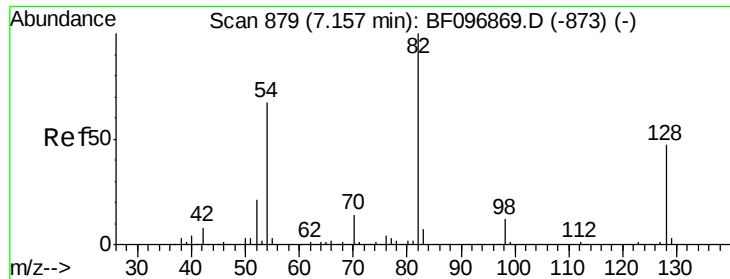
Abundance Ion 136.00 (135.70 to 136.70): E

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

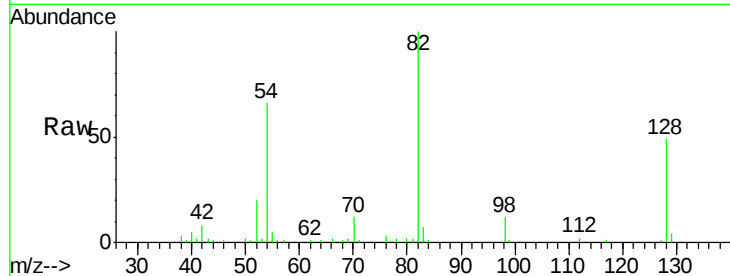




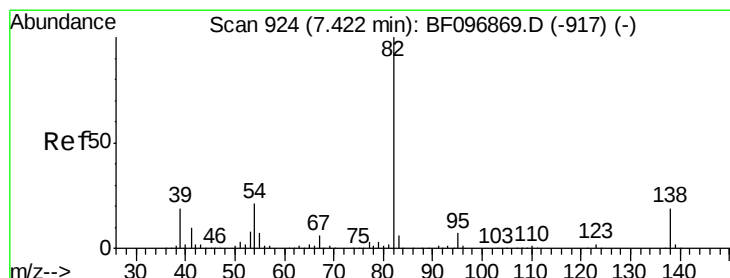
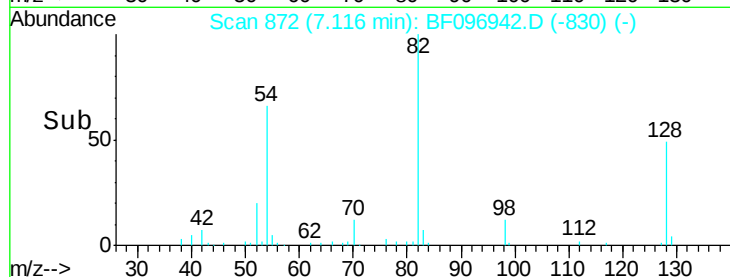
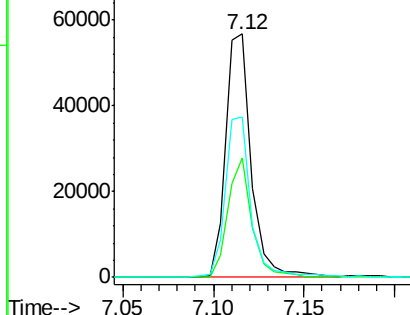
#23
 Nitrobenzene-d5
 Concen: 7.67 ng
 RT: 7.12 min Scan# 872
 Delta R.T. -0.05 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-07-BASE

Tgt Ion: 82 Resp: 56171
 Ion Ratio Lower Upper
 82 100
 128 49.1 34.0 51.0
 54 65.7 42.2 63.2#

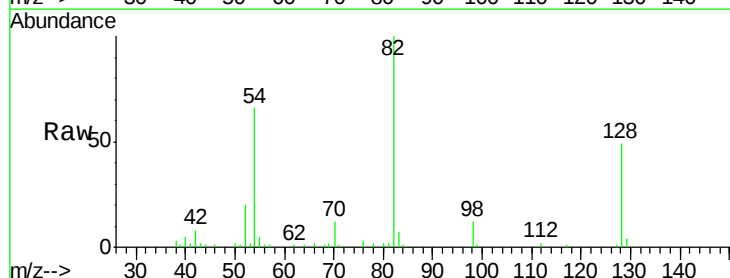


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

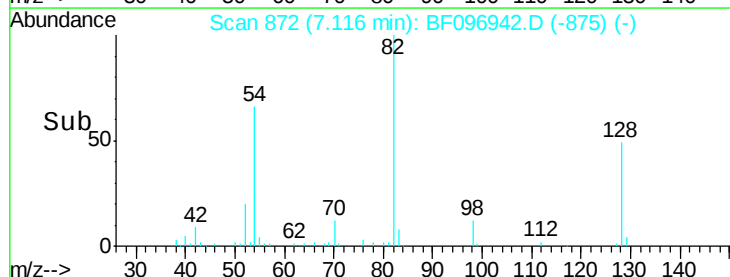
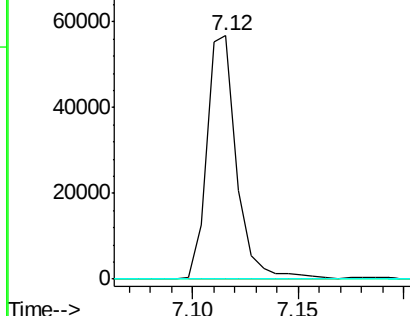


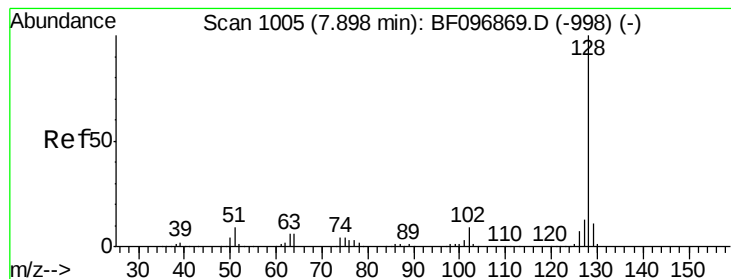
#25
 Isophorone
 Concen: 4.11 ng
 RT: 7.12 min Scan# 872
 Delta R.T. -0.32 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

Tgt Ion: 82 Resp: 56007
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 5.74 ng

RT: 7.86 min Scan# 998

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

E2-07-BASE

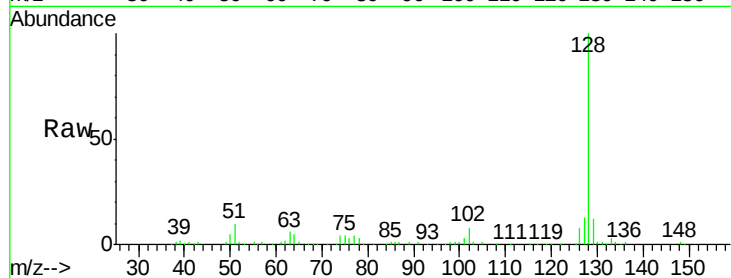
Tgt Ion:128 Resp: 123208

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

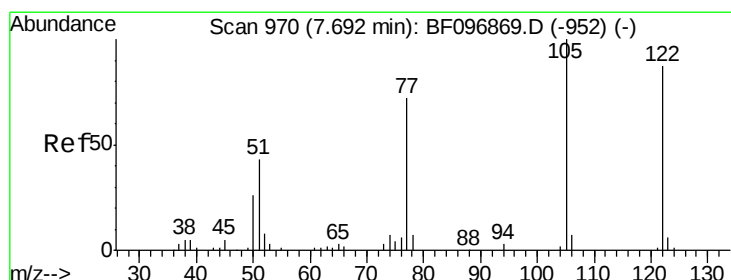
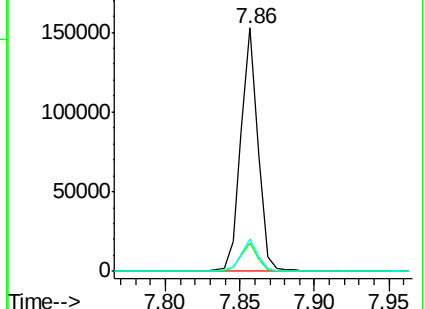
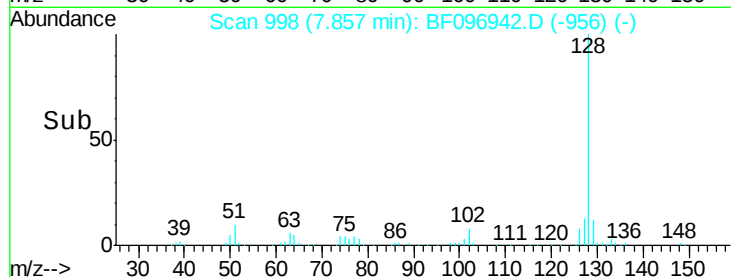
127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.42 ng

RT: 7.65 min Scan# 962

Delta R.T. -0.06 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

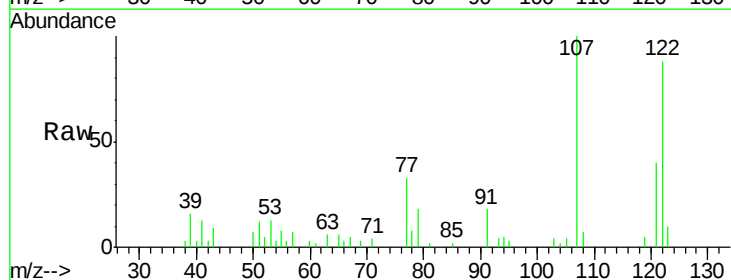
Tgt Ion:122 Resp: 15156

Ion Ratio Lower Upper

122 100

105 4.3 103.3 143.3#

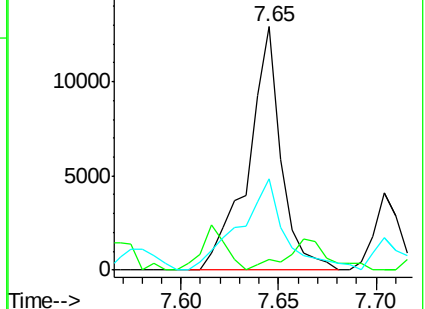
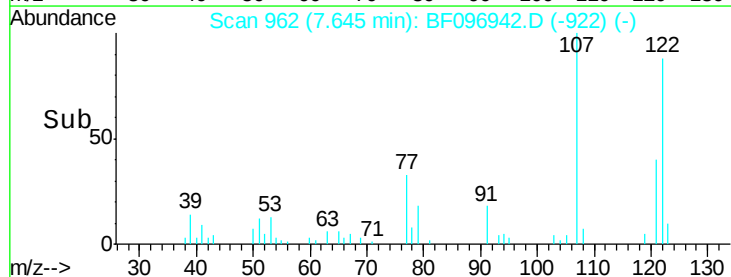
77 37.6 73.7 113.7#

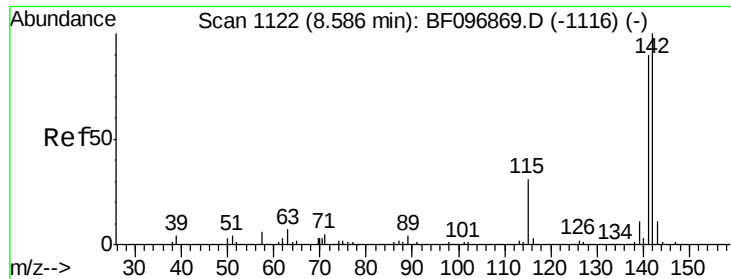


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

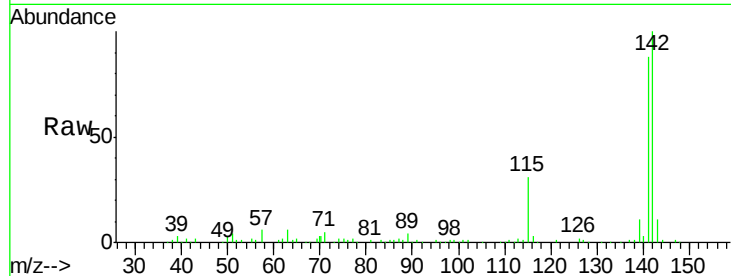




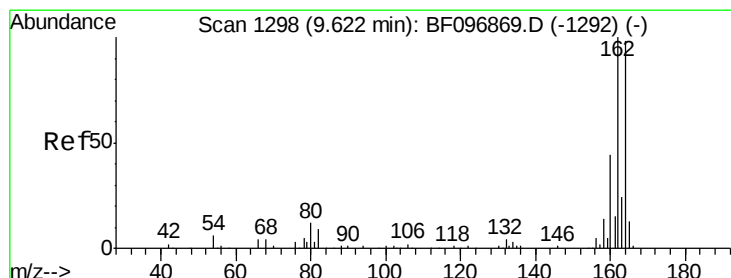
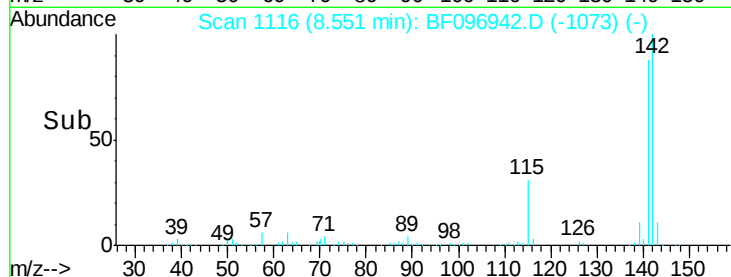
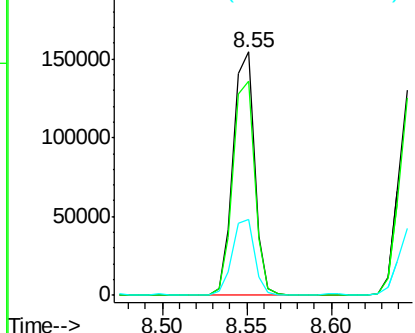
#37
 2-Methylnaphthalene
 Concen: 9.97 ng
 RT: 8.55 min Scan# 1116
 Delta R.T. -0.05 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-07-BASE

Tgt Ion:142 Resp: 136544
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.3 106.9
 115 30.9 27.1 40.7

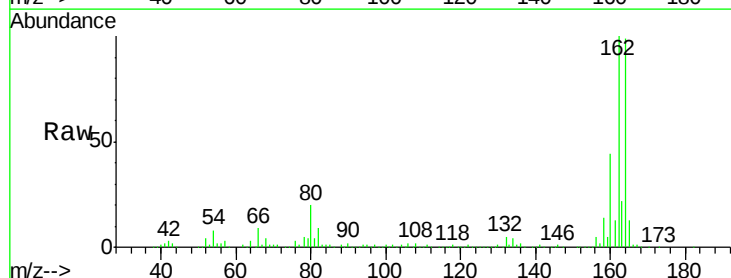


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

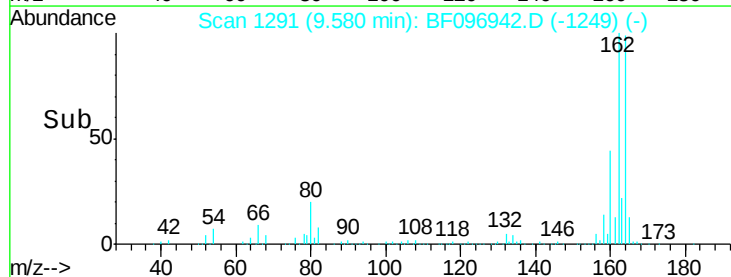
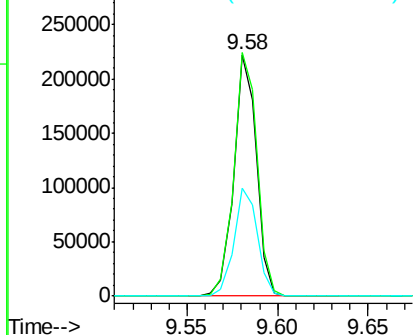


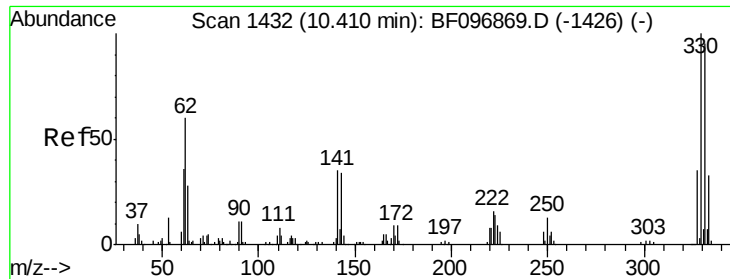
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

Tgt Ion:164 Resp: 192553
 Ion Ratio Lower Upper
 164 100
 162 100.9 82.6 123.8
 160 44.5 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

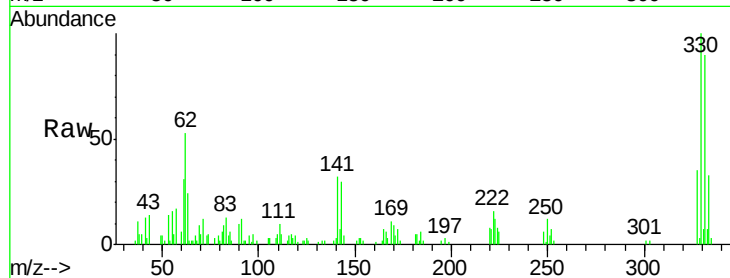




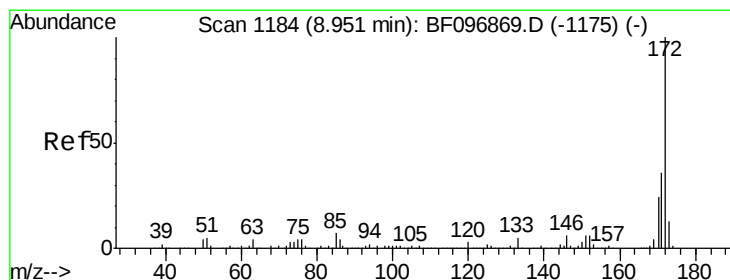
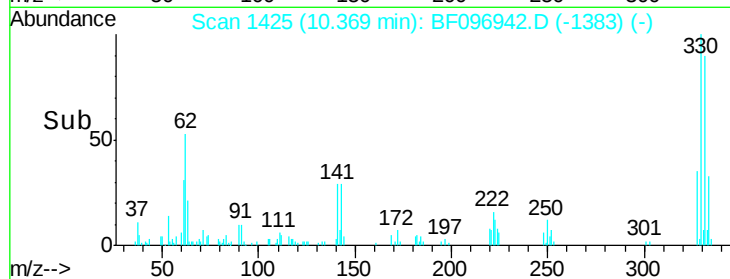
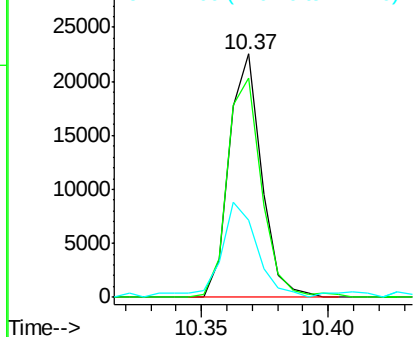
#41
 2,4,6-Tribromophenol
 Concen: 12.13 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-07-BASE

Tgt Ion: 330 Resp: 19929
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 45.2 31.4 47.2

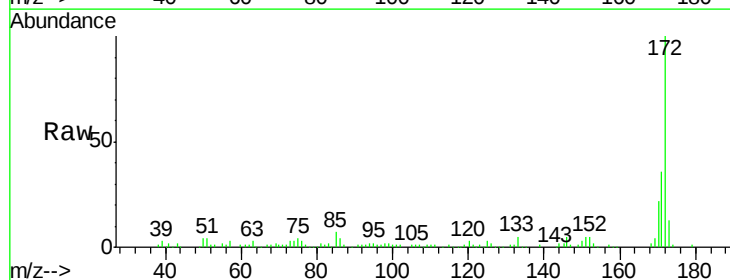


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

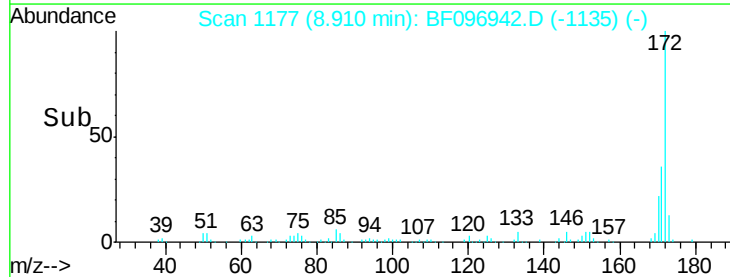
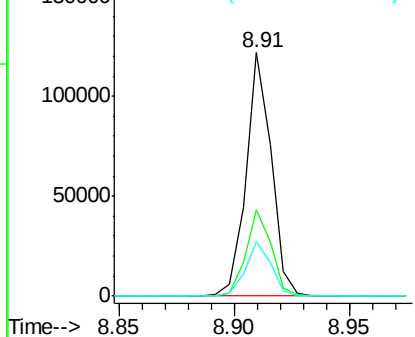


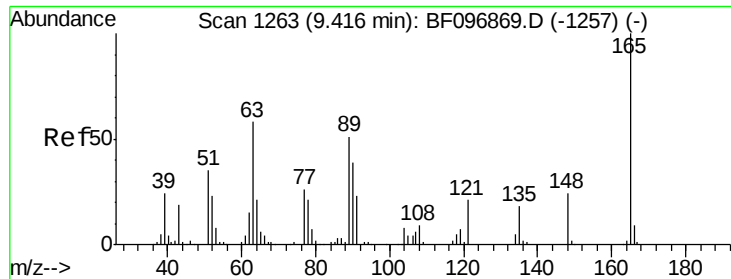
#44
 2-Fluorobiphenyl
 Concen: 7.62 ng
 RT: 8.91 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

Tgt Ion: 172 Resp: 92924
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 22.1 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: 9.10 ng

RT: 9.58 min Scan# 1291

Delta R.T. 0.15 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

E2-07-BASE

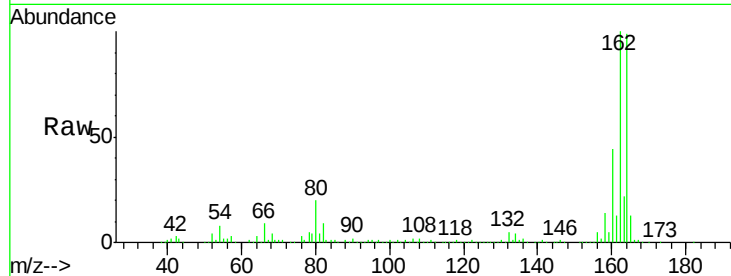
Tgt Ion:165 Resp: 28577

Ion Ratio Lower Upper

165 100

63 2.4 34.3 51.5#

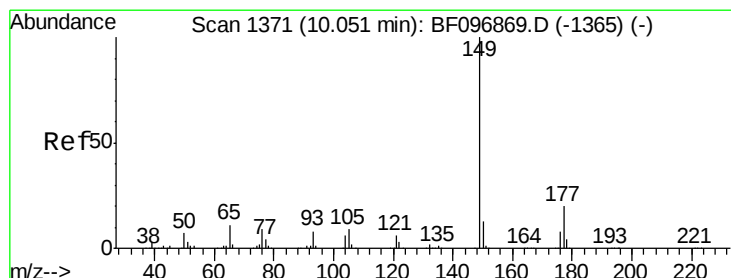
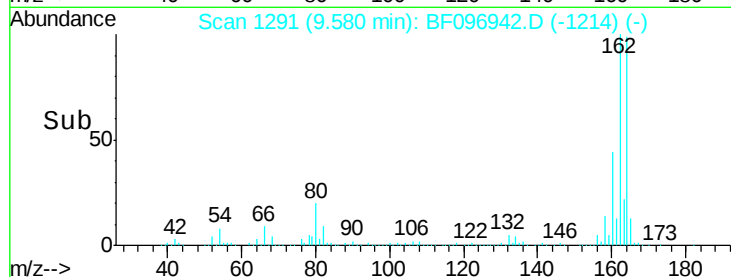
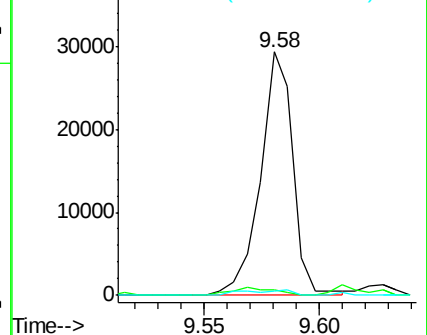
89 1.9 37.1 55.7#



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



#59

Diethylphthalate

Concen: 2.34 ng

RT: 10.01 min Scan# 1364

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

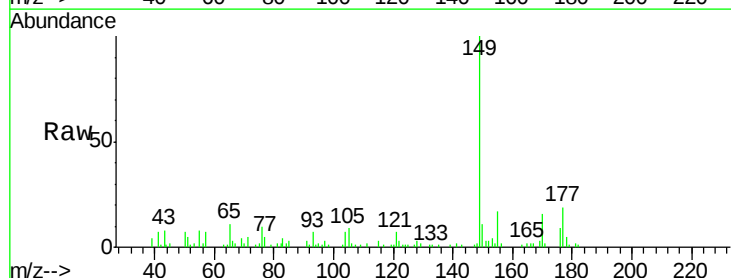
Tgt Ion:149 Resp: 33043

Ion Ratio Lower Upper

149 100

177 18.9 16.7 25.1

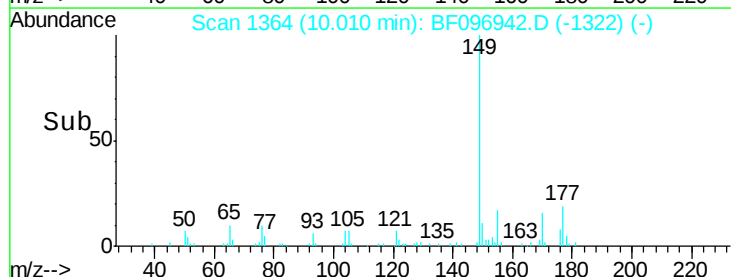
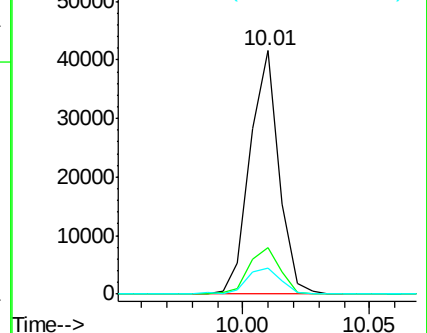
150 10.5 10.2 15.2

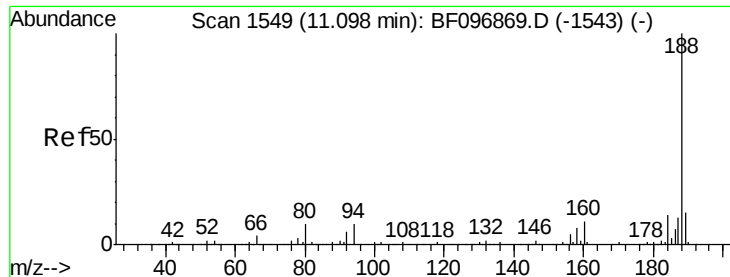


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

E2-07-BASE

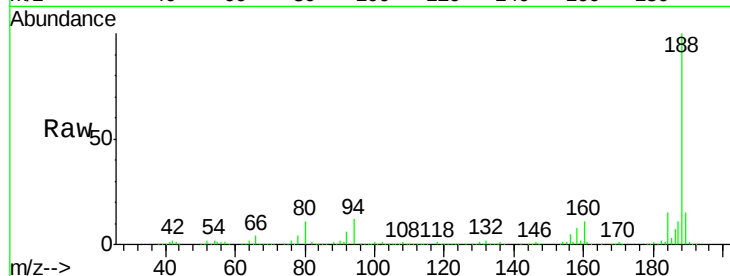
Tgt Ion:188 Resp: 312061

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

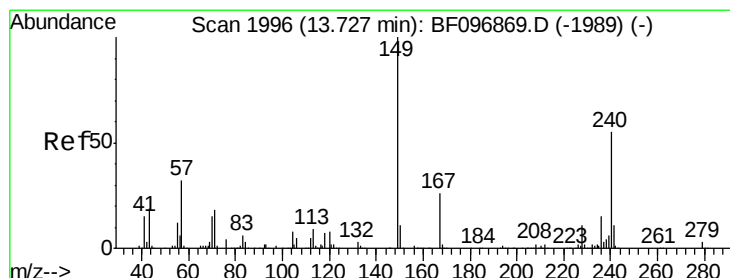
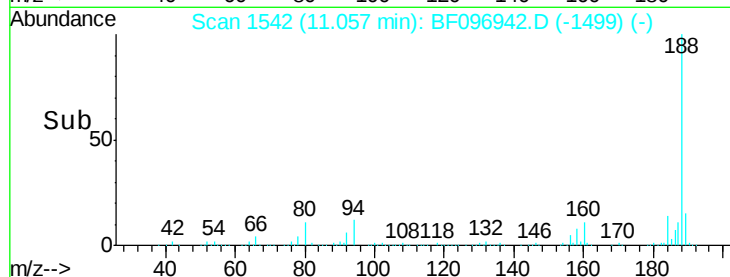
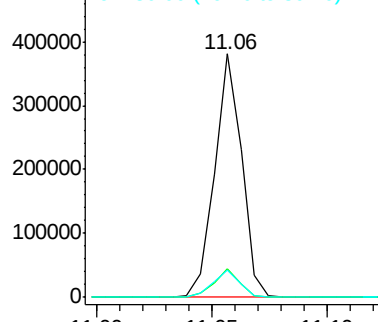
80 11.1 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1988

Delta R.T. -0.05 min

Lab File: BF096942.D

Acq: 21 Jul 2017 14:17

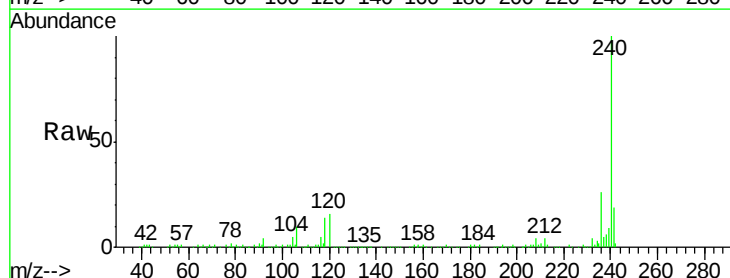
Tgt Ion:240 Resp: 206168

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

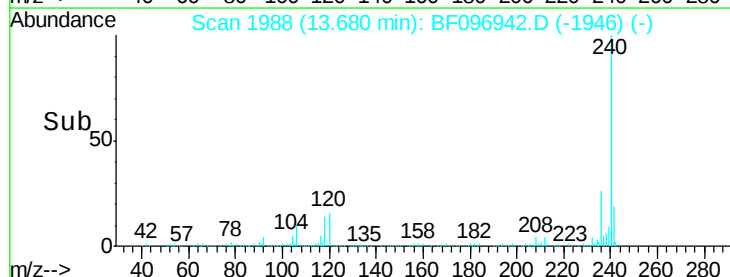
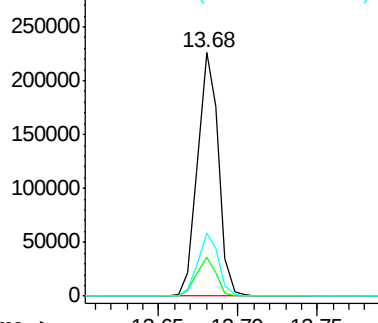
236 26.1 20.5 30.7

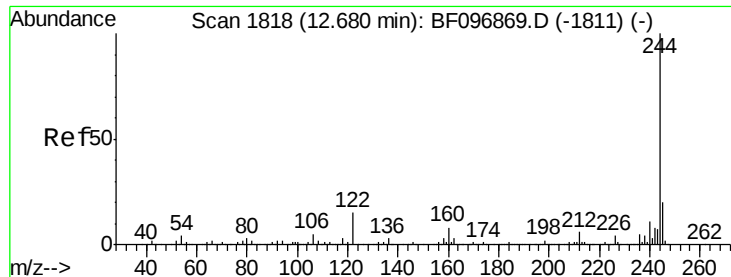


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

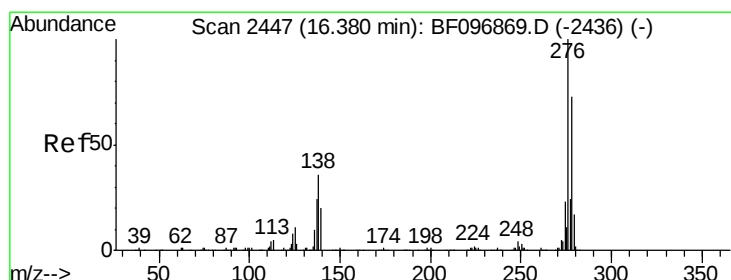
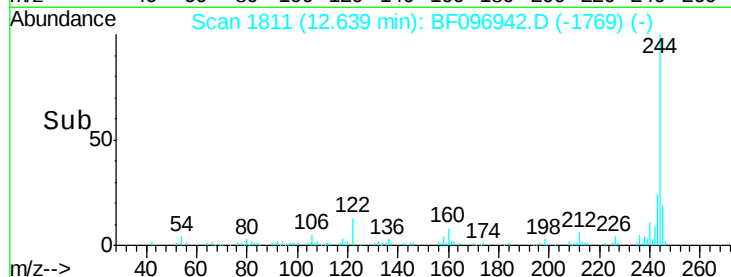
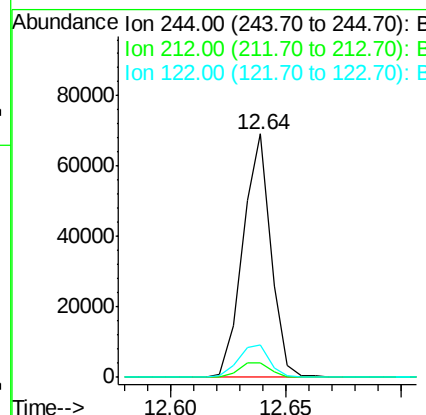
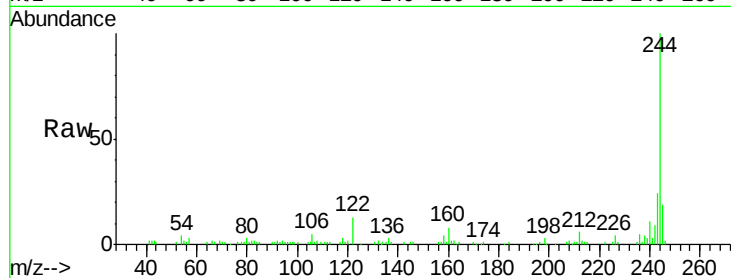




#78
 Terphenyl-d14
 Concen: 4.91 ng
 RT: 12.64 min Scan# 1811
 Delta R.T. -0.05 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

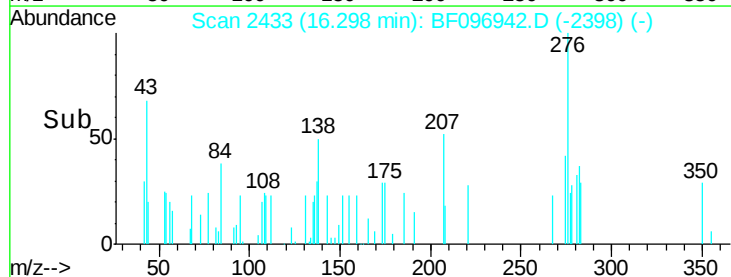
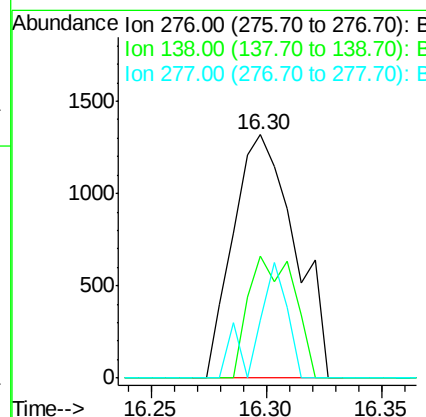
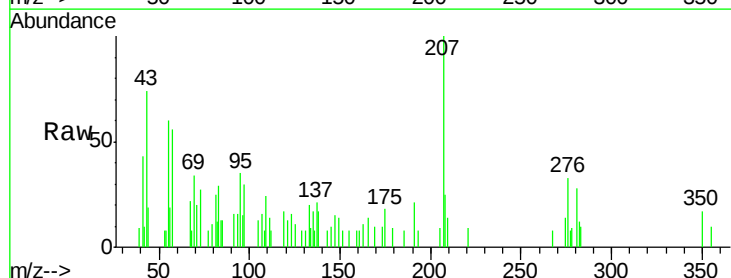
Instrument :
 BNA_F
 ClientSampleId :
 E2-07-BASE

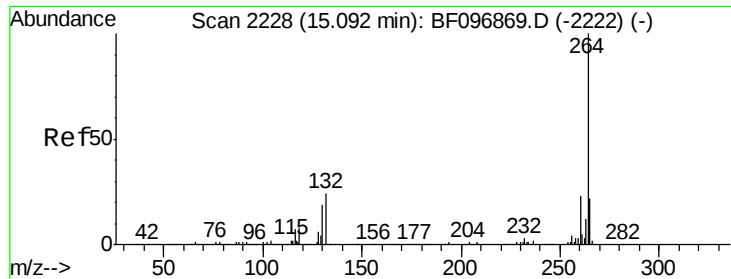
Tgt Ion: 244 Resp: 58377
 Ion Ratio Lower Upper
 244 100
 212 6.1 6.0 9.0
 122 13.4 10.3 15.5



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.53 ng
 RT: 16.30 min Scan# 2433
 Delta R.T. -0.09 min
 Lab File: BF096942.D
 Acq: 21 Jul 2017 14:17

Tgt Ion: 276 Resp: 2447
 Ion Ratio Lower Upper
 276 100
 138 37.6 27.8 41.6
 277 23.4 20.2 30.4

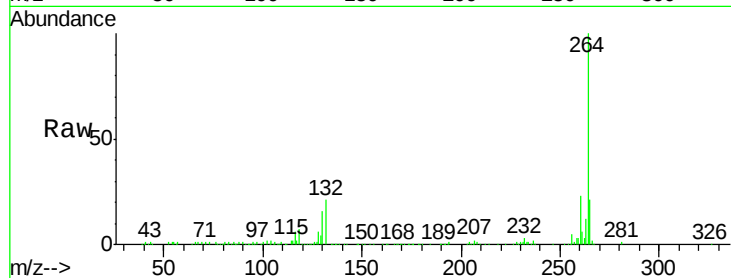




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.06 min
Lab File: BF096942.D
Acq: 21 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-07-BASE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.9	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

