

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092158.D
 Acq On : 3 Aug 2016 23:15
 Operator : UM/SJ
 Sample : H4176-21
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-02

Quant Time: Aug 04 03:58:06 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11187	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	50238	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	27418	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	62117	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	75596	5.00	ng	0.00
28) Perylene-d12	24.14	264	76270	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	189375	65.92	ng	0.00
5) Phenol-d6	7.34	99	170350	44.50	ng	-0.01
7) Nitrobenzene-d5	9.34	82	328252	82.81	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	131766	148.00	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	609104	70.10	ng	0.00
24) Terphenyl-d14	20.19	244	729535	67.20	ng	-0.02

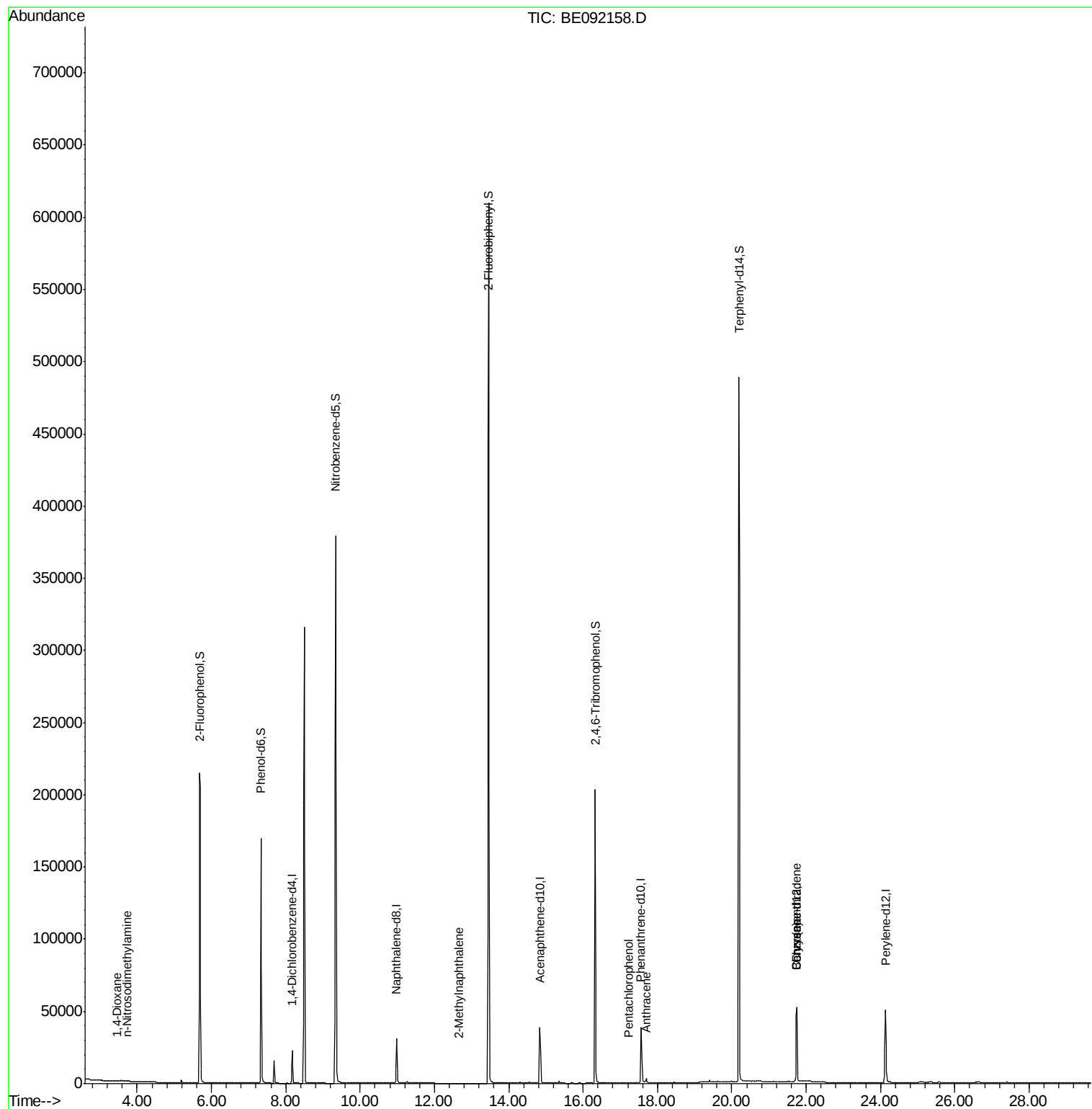
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	69	0.05	ng	# 43
3) n-Nitrosodimethylamine	3.72	42	46	0.11	ng	# 6
9) 2-Methylnaphthalene	12.66	142	88	0.03	ng	# 65
18) Pentachlorophenol	17.24	266	50	0.24	ng	# 79
19) Phenanthrene	17.60	178	410	Below Cal		# 81
20) Anthracene	17.70	178	4247	0.26	ng	99
25) Benzo(a)anthracene	21.73	228	2258	0.03	ng	# 53
26) Chrysene	21.73	228	2258	0.03	ng	# 56
30) Benzo(k)fluoranthene	23.40	252	71	Below Cal		# 1

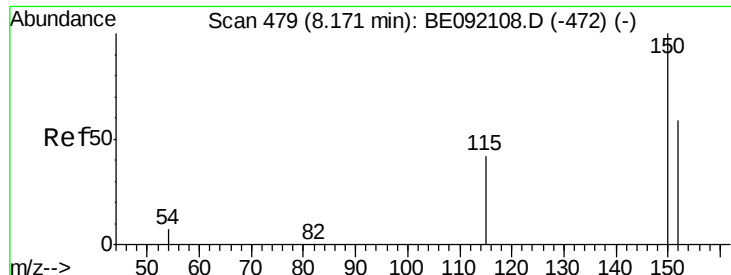
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampled :

DUP-02

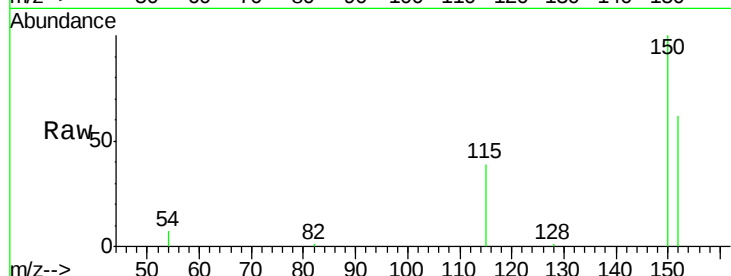
Tgt Ion:152 Resp: 11187

Ion Ratio Lower Upper

152 100

150 162.4 106.0 159.0#

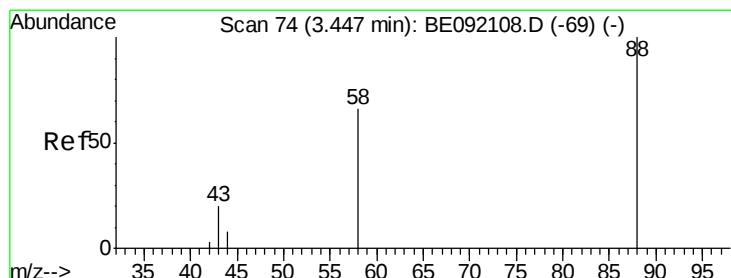
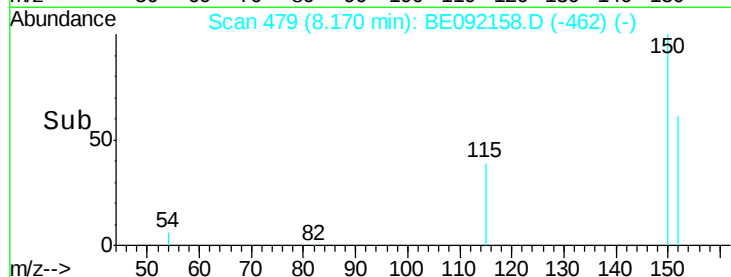
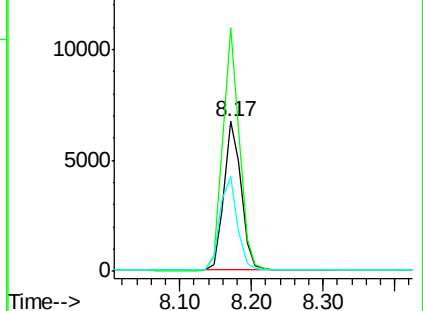
115 63.3 36.9 55.3#



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



#2

1,4-Dioxane

Concen: 0.05 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

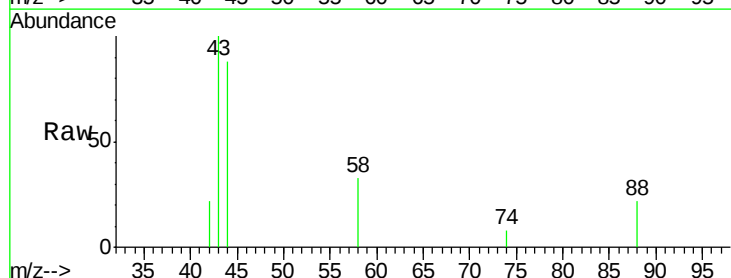
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

58 126.1 62.1 93.1#

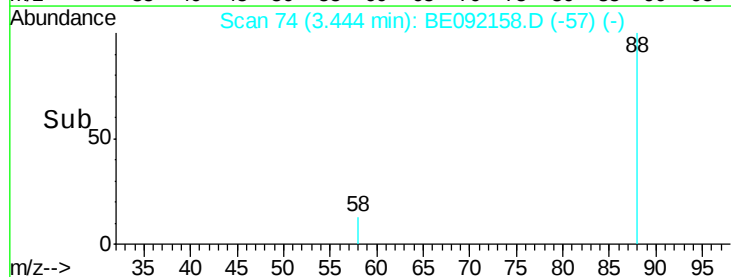
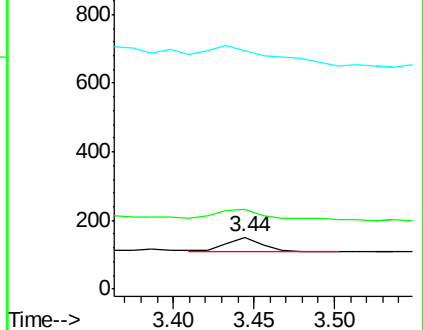
43 0.0 27.2 40.8#

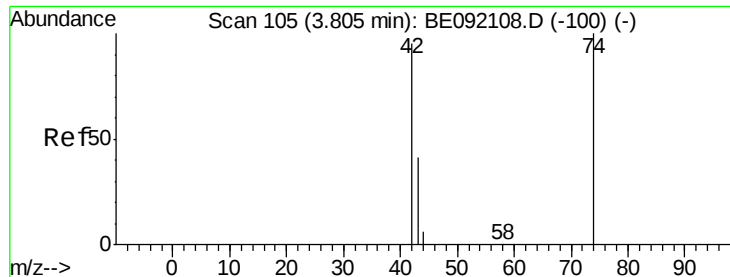


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

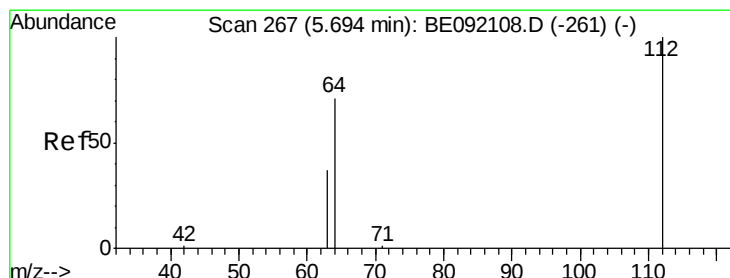
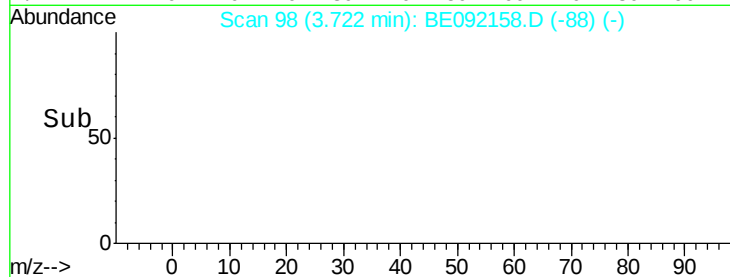
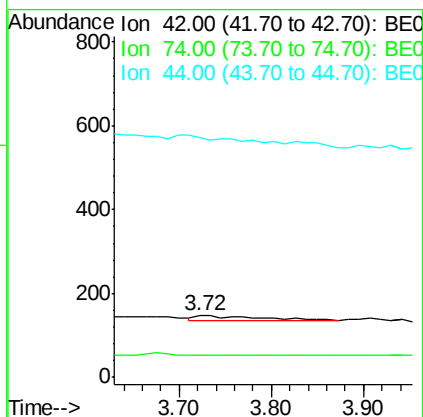
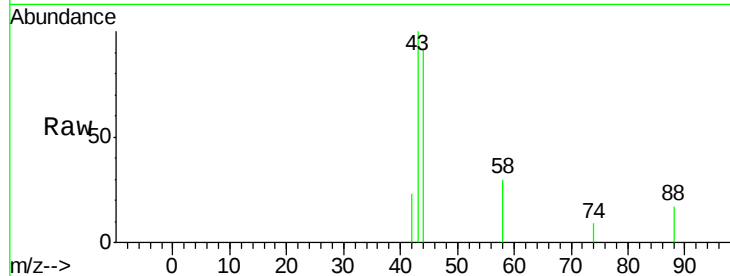




#3
n-Nitrosodimethylamine
Concen: 0.11 ng
RT: 3.72 min Scan# 98
Delta R.T. -0.08 min
Lab File: BE092158.D
Acq: 3 Aug 2016 23:15

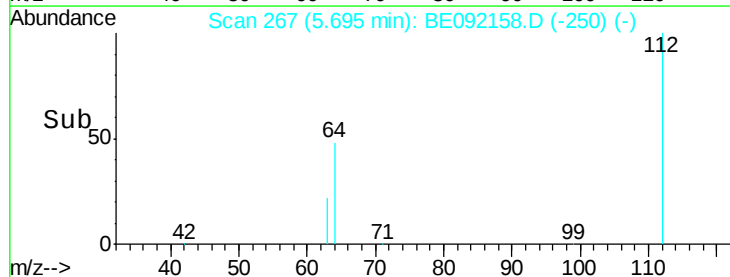
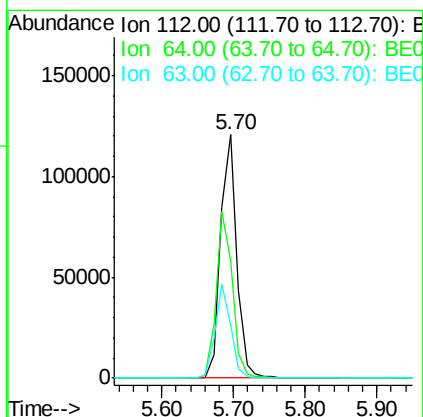
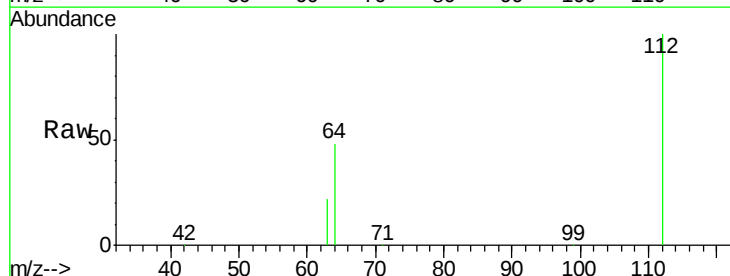
Instrument :
BNA_E
ClientSampleId :
DUP-02

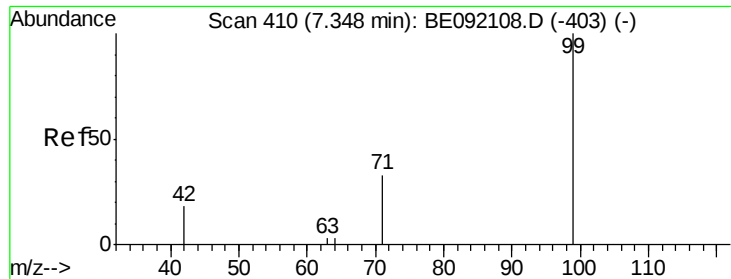
Tgt Ion: 42 Resp: 46
Ion Ratio Lower Upper
42 100
74 0.0 82.8 124.2#
44 0.0 9.0 13.4#



#4
2-Fluorophenol
Concen: 65.92 ng
RT: 5.70 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092158.D
Acq: 3 Aug 2016 23:15

Tgt Ion: 112 Resp: 189375
Ion Ratio Lower Upper
112 100
64 68.2 55.9 83.9
63 36.9 31.1 46.7





#5

Phenol-d6

Concen: 44.50 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampleId :

DUP-02

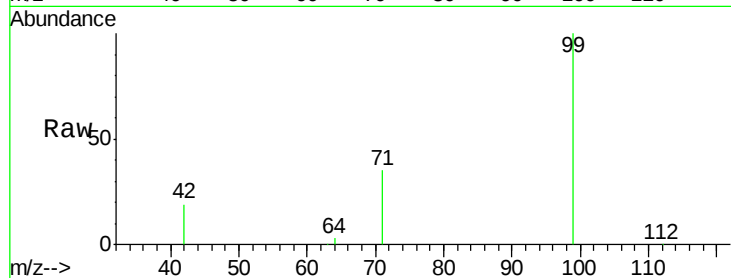
Tgt Ion: 99 Resp: 170350

Ion Ratio Lower Upper

99 100

42 25.0 22.4 33.6

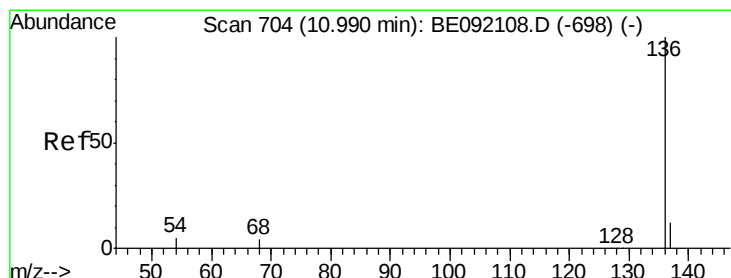
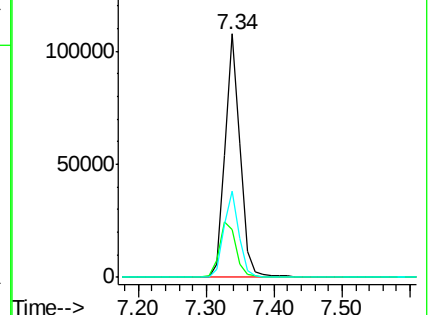
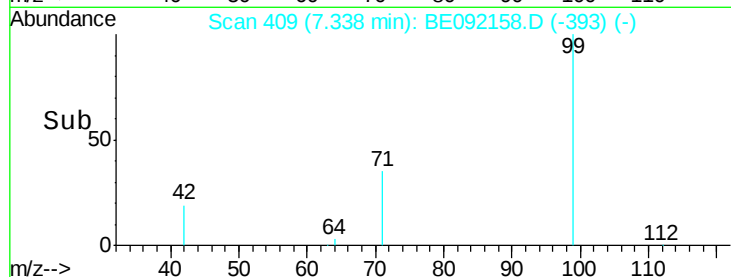
71 35.6 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Tgt Ion: 136 Resp: 50238

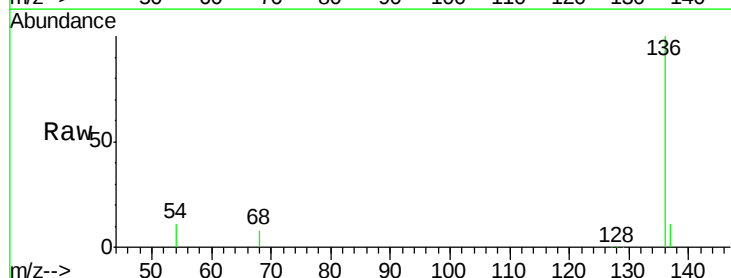
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 11.3 2.7 4.1#

68 7.8 2.2 3.4#

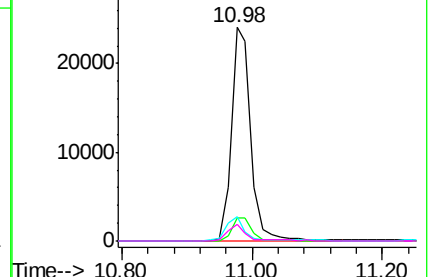
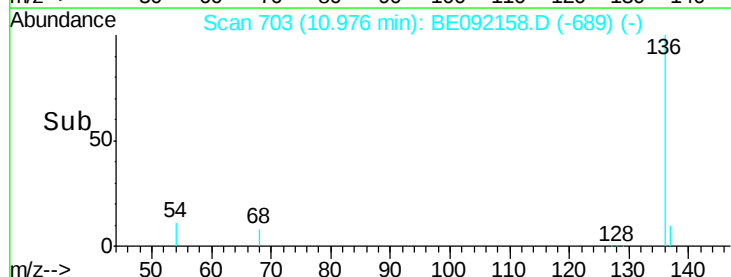


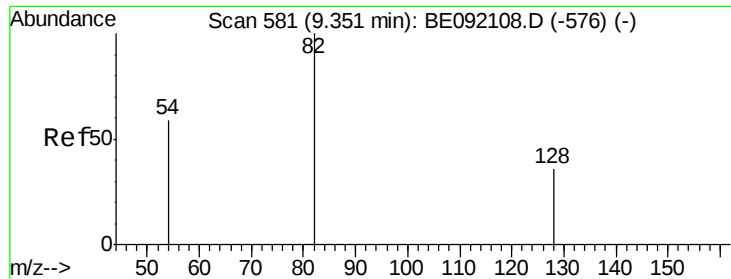
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

Ion 137.00 (136.70 to 137.70): BE092108.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092108.D (-698) (-)





#7

Nitrobenzene-d5

Concen: 82.81 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampleId :

DUP-02

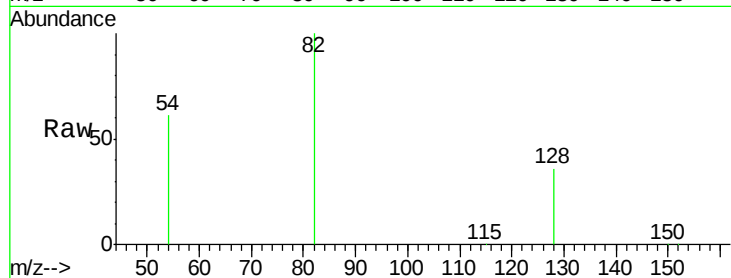
Tgt Ion: 82 Resp: 328252

Ion Ratio Lower Upper

82 100

128 35.5 33.0 49.4

54 61.4 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE092158.D (-576) (-)

Ion 128.00 (127.70 to 128.70): BE092158.D (-576) (-)

Ion 54.00 (53.70 to 54.70): BE092158.D (-576) (-)

9.34

200000

150000

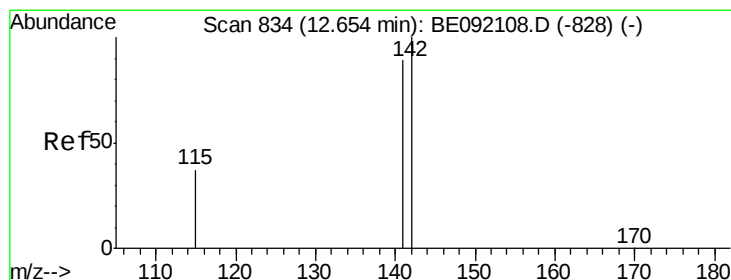
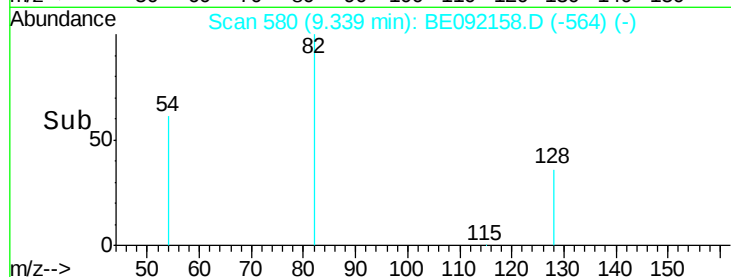
100000

50000

0

Time-->

9.20 9.30 9.40 9.50



#9

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.66 min Scan# 835

Delta R.T. 0.01 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

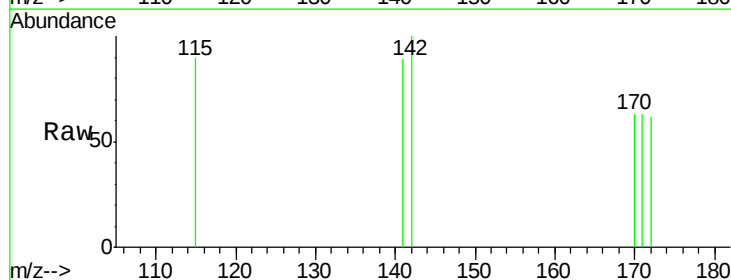
Tgt Ion: 142 Resp: 88

Ion Ratio Lower Upper

142 100

141 89.0 65.1 97.7

115 90.4 27.0 40.4#



Abundance Ion 142.00 (141.70 to 142.70): BE092158.D (-828) (-)

Ion 141.00 (140.70 to 141.70): BE092158.D (-828) (-)

Ion 115.00 (114.70 to 115.70): BE092158.D (-828) (-)

12.66

100

80

60

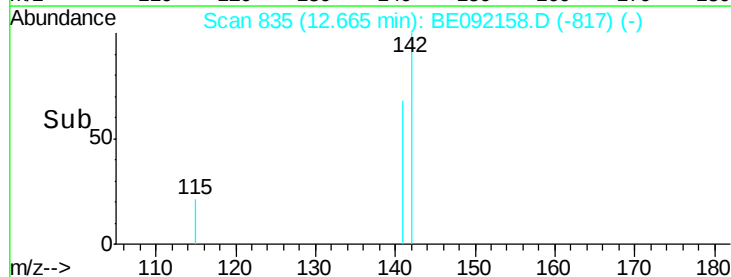
40

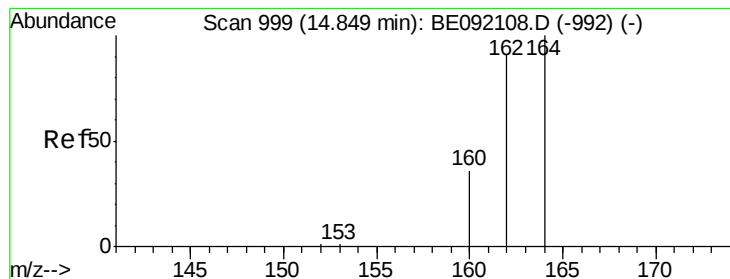
20

0

Time-->

12.40 12.60 12.80





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampleId :

DUP-02

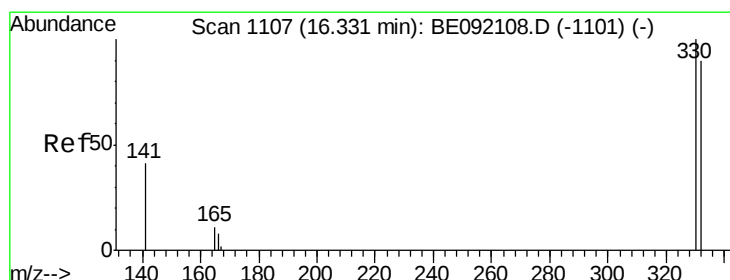
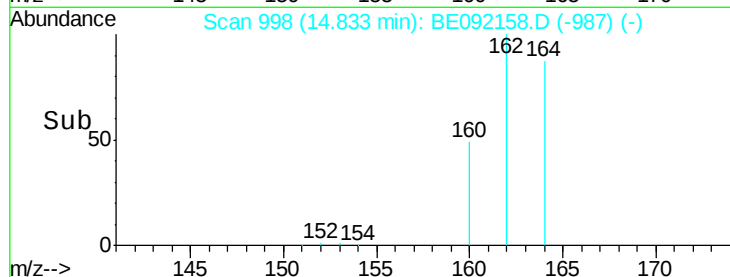
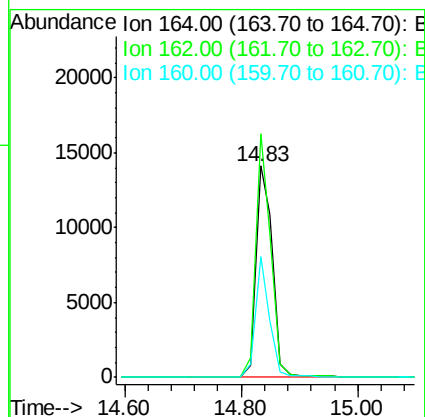
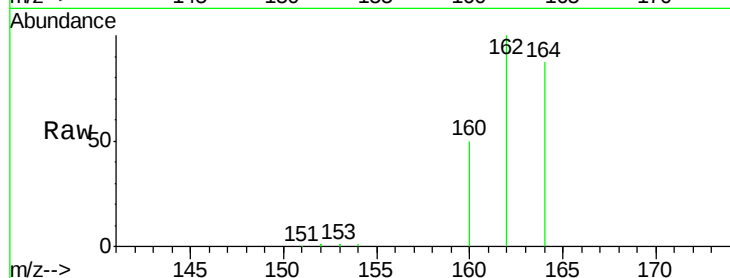
Tgt Ion:164 Resp: 27418

Ion Ratio Lower Upper

164 100

162 115.3 69.5 104.3#

160 57.2 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 148.00 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

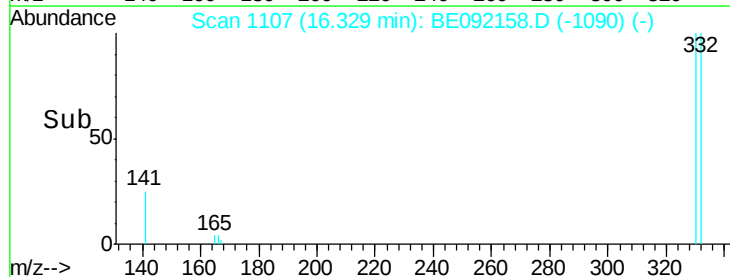
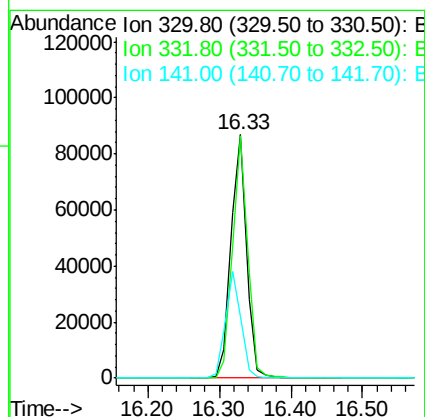
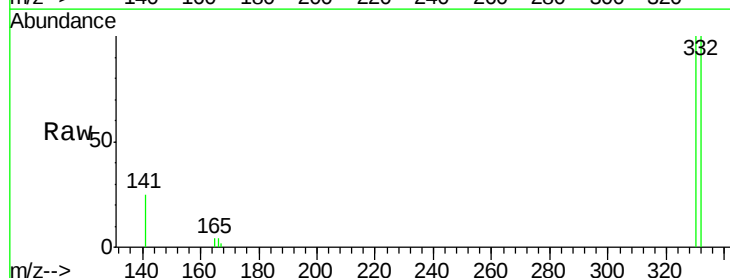
Tgt Ion:330 Resp: 131766

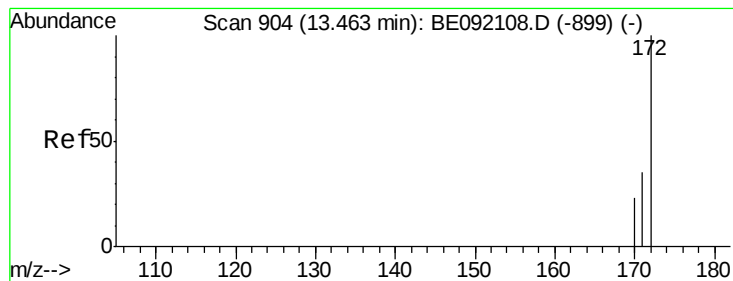
Ion Ratio Lower Upper

330 100

332 97.1 74.2 111.4

141 43.1 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 70.10 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampled :

DUP-02

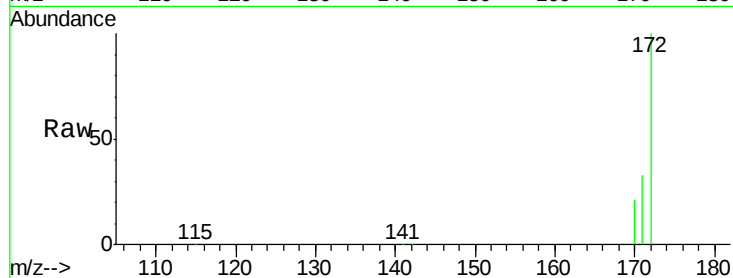
Tgt Ion:172 Resp: 609104

Ion Ratio Lower Upper

172 100

171 32.9 30.3 45.5

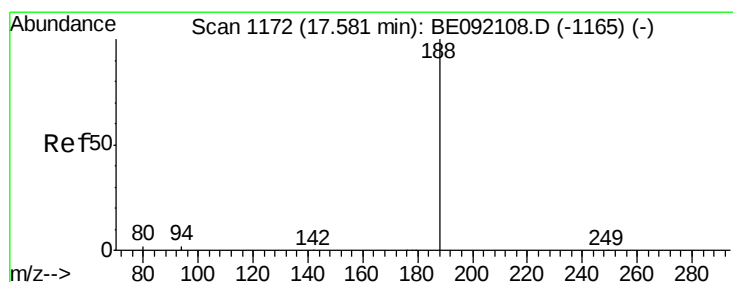
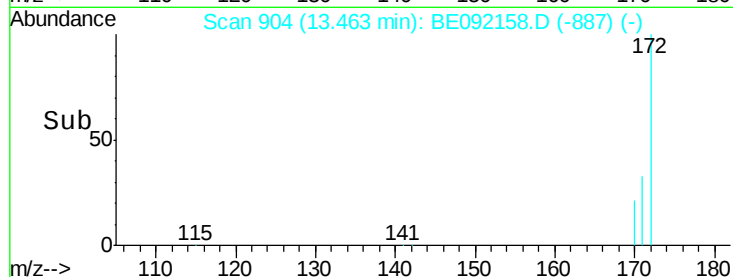
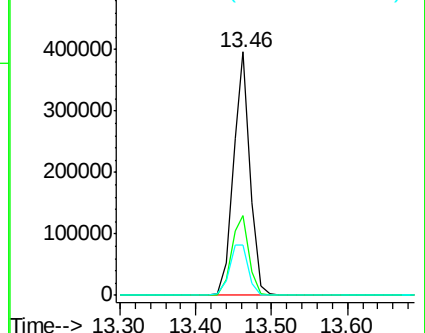
170 20.6 21.6 32.4#



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



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

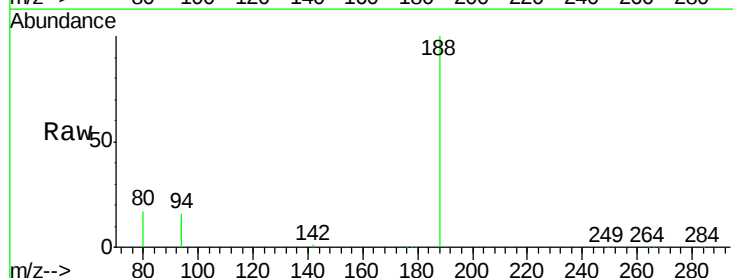
Tgt Ion:188 Resp: 62117

Ion Ratio Lower Upper

188 100

94 16.3 3.9 5.9#

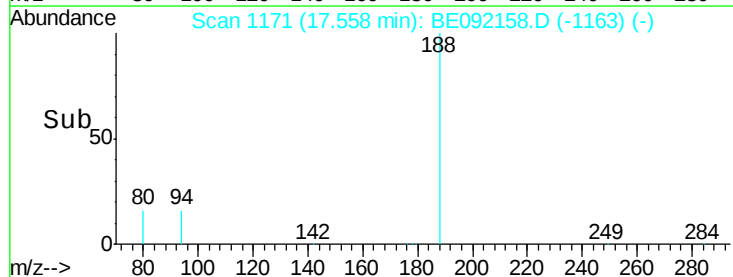
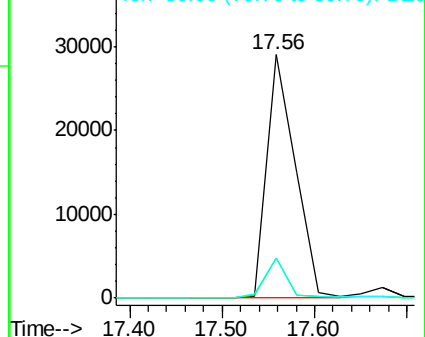
80 16.5 3.4 5.0#

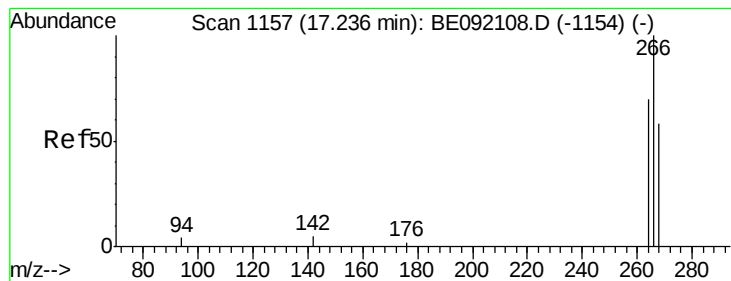


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#18

Pentachlorophenol

Concen: 0.24 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampleId :

DUP-02

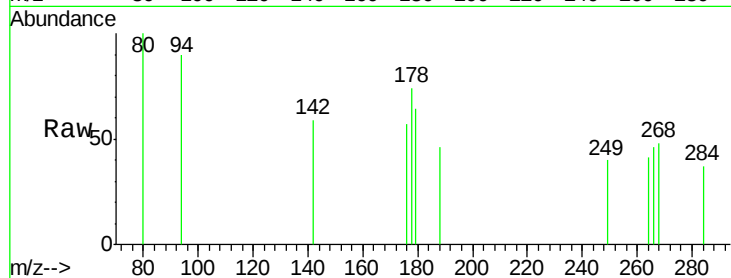
Tgt Ion:266 Resp: 50

Ion Ratio Lower Upper

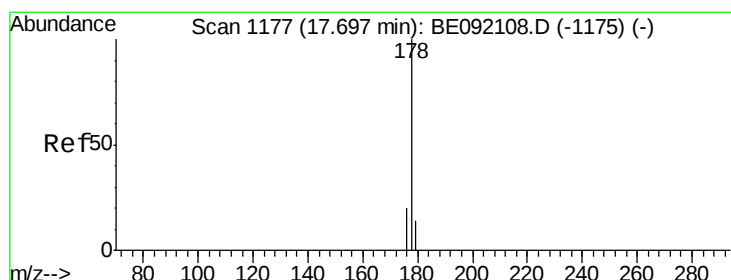
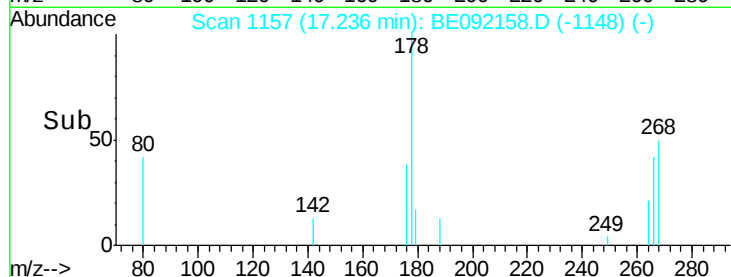
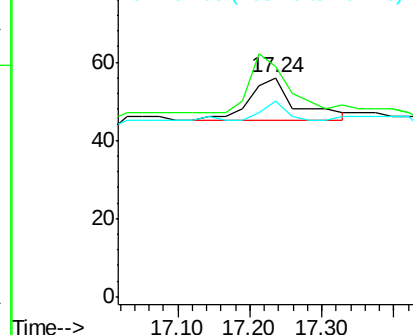
266 100

268 105.4 62.7 94.1#

264 89.3 63.5 95.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#20

Anthracene

Concen: 0.26 ng

RT: 17.70 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

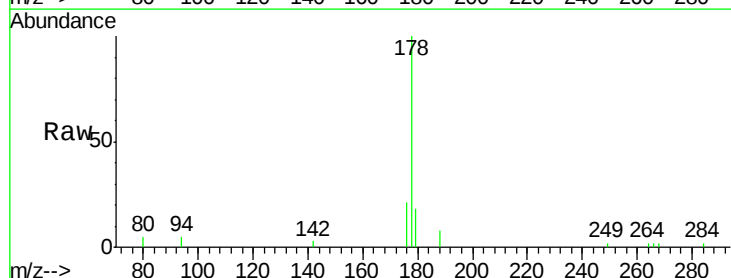
Tgt Ion:178 Resp: 4247

Ion Ratio Lower Upper

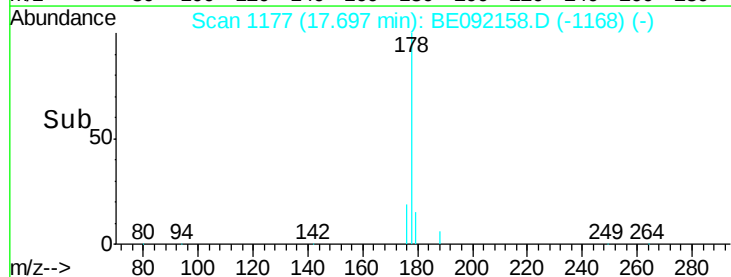
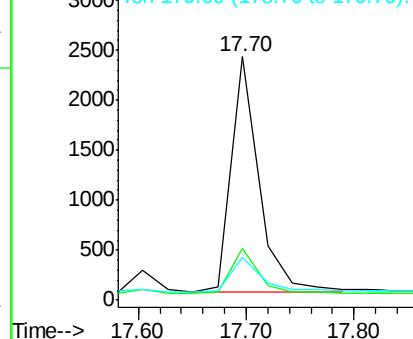
178 100

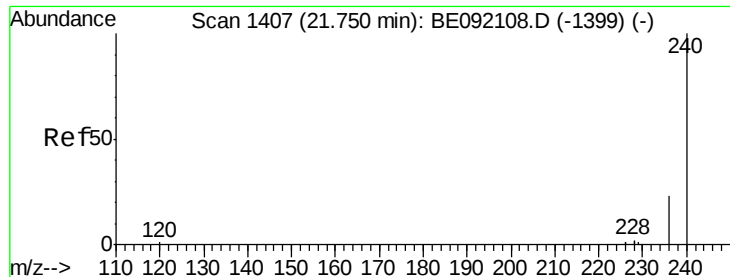
176 18.8 15.2 22.8

179 15.8 12.2 18.4



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

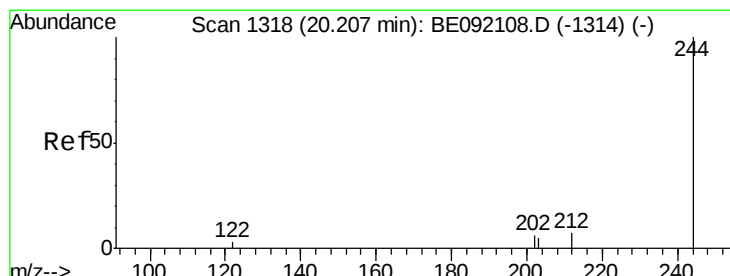
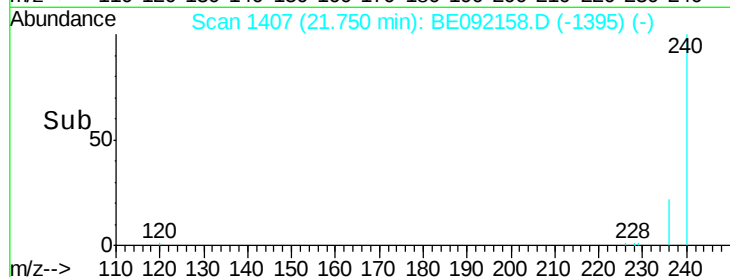
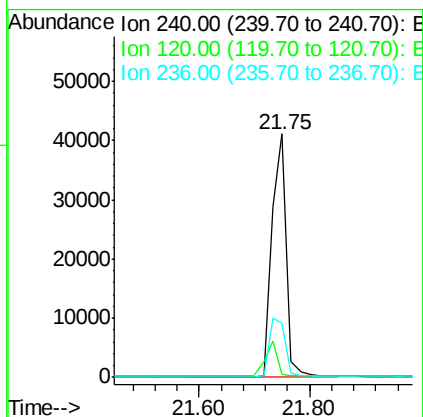
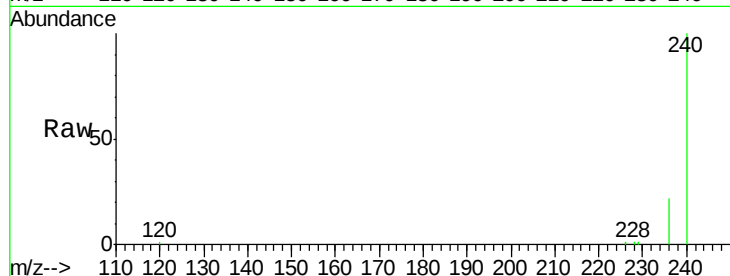




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092158.D
Acq: 3 Aug 2016 23:15

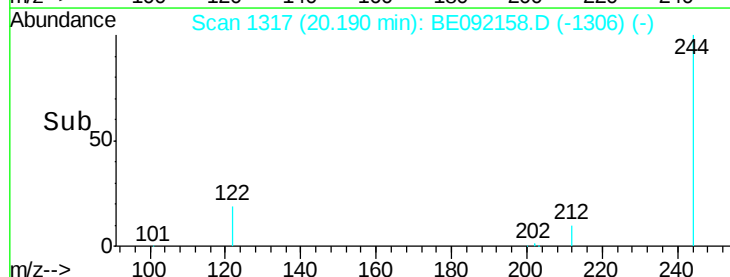
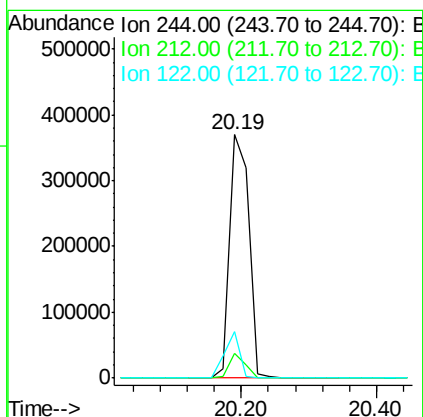
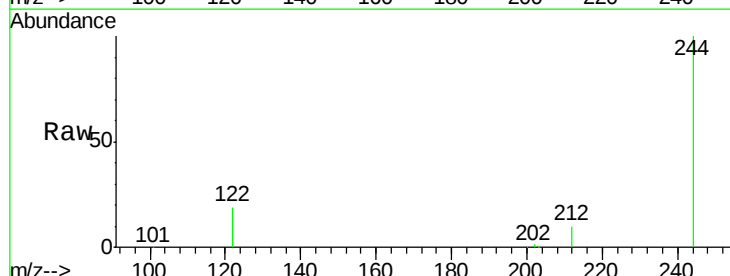
Instrument :
BNA_E
ClientSampled :
DUP-02

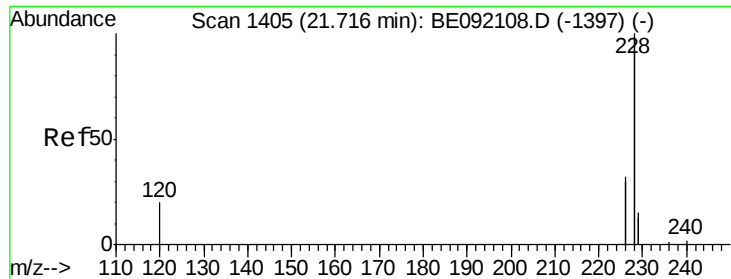
Tgt Ion:240 Resp: 75596
Ion Ratio Lower Upper
240 100
120 1.5 0.6 1.0#
236 22.3 18.2 27.4



#24
Terphenyl-d14
Concen: 67.20 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092158.D
Acq: 3 Aug 2016 23:15

Tgt Ion:244 Resp: 729535
Ion Ratio Lower Upper
244 100
212 10.1 9.1 13.7
122 18.9 11.0 16.4#





#25

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.73 min Scan# 1406

Delta R.T. 0.02 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampleId :

DUP-02

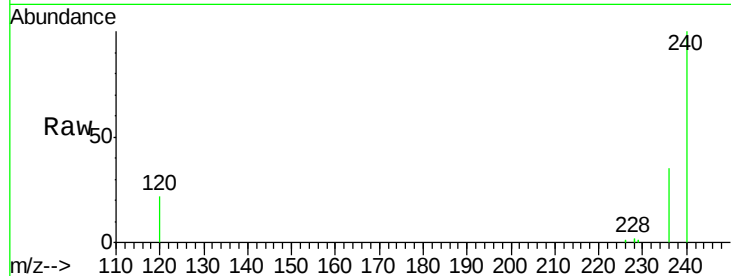
Tgt Ion:228 Resp: 2258

Ion Ratio Lower Upper

228 100

226 40.9 22.1 33.1#

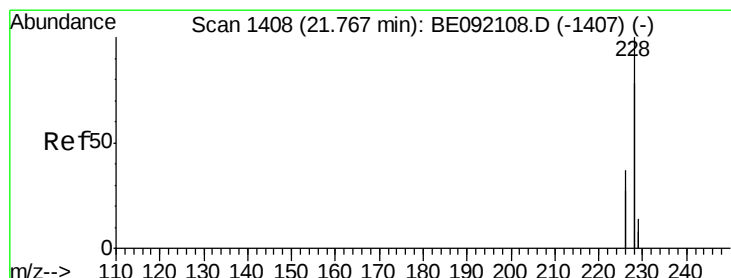
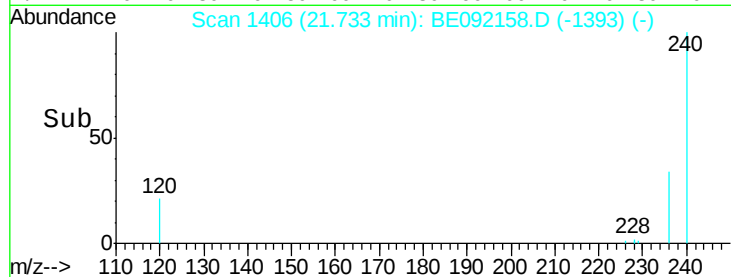
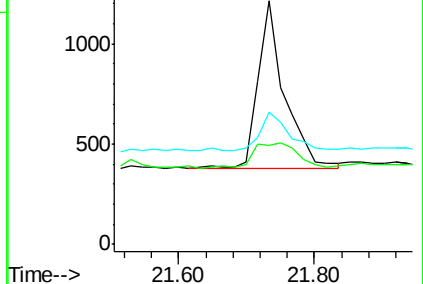
229 54.2 15.1 22.7#



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



#26

Chrysene

Concen: 0.03 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.03 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

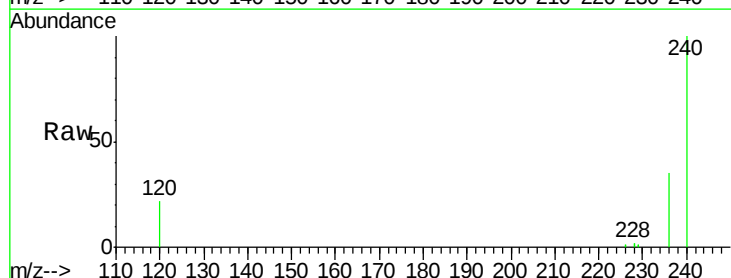
Tgt Ion:228 Resp: 2258

Ion Ratio Lower Upper

228 100

226 40.9 22.3 33.5#

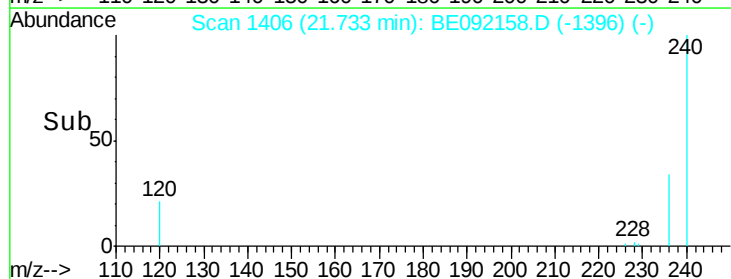
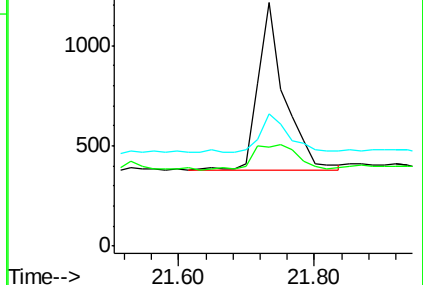
229 54.2 16.9 25.3#

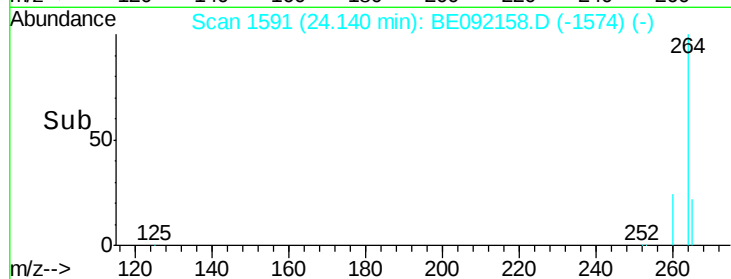
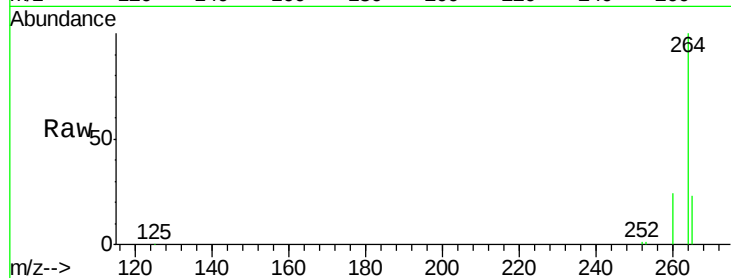
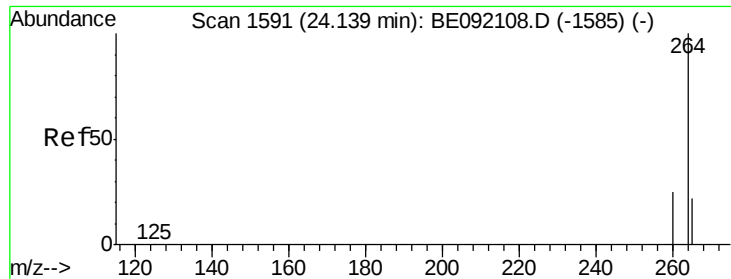


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092158.D

Acq: 3 Aug 2016 23:15

Instrument :

BNA_E

ClientSampleId :

DUP-02

Tgt Ion:264 Resp: 76270

Ion Ratio Lower Upper

264 100

260 24.1 20.8 31.2

265 22.7 16.6 25.0

