

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
 Data File : BE092147.D
 Acq On : 3 Aug 2016 15:30
 Operator : UM/SJ
 Sample : PB92496BS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92496BS

Quant Time: Aug 03 16:50:07 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	13725	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	58631	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29277	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58466	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	64353	5.00	ng	0.00
28) Perylene-d12	24.14	264	50203	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	21792	6.18	ng	0.00
5) Phenol-d6	7.34	99	28136	5.99	ng	-0.01
7) Nitrobenzene-d5	9.34	82	12966	2.80	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	6018	6.33	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	27252	2.94	ng	0.00
24) Terphenyl-d14	20.19	244	32092	3.47	ng	-0.02

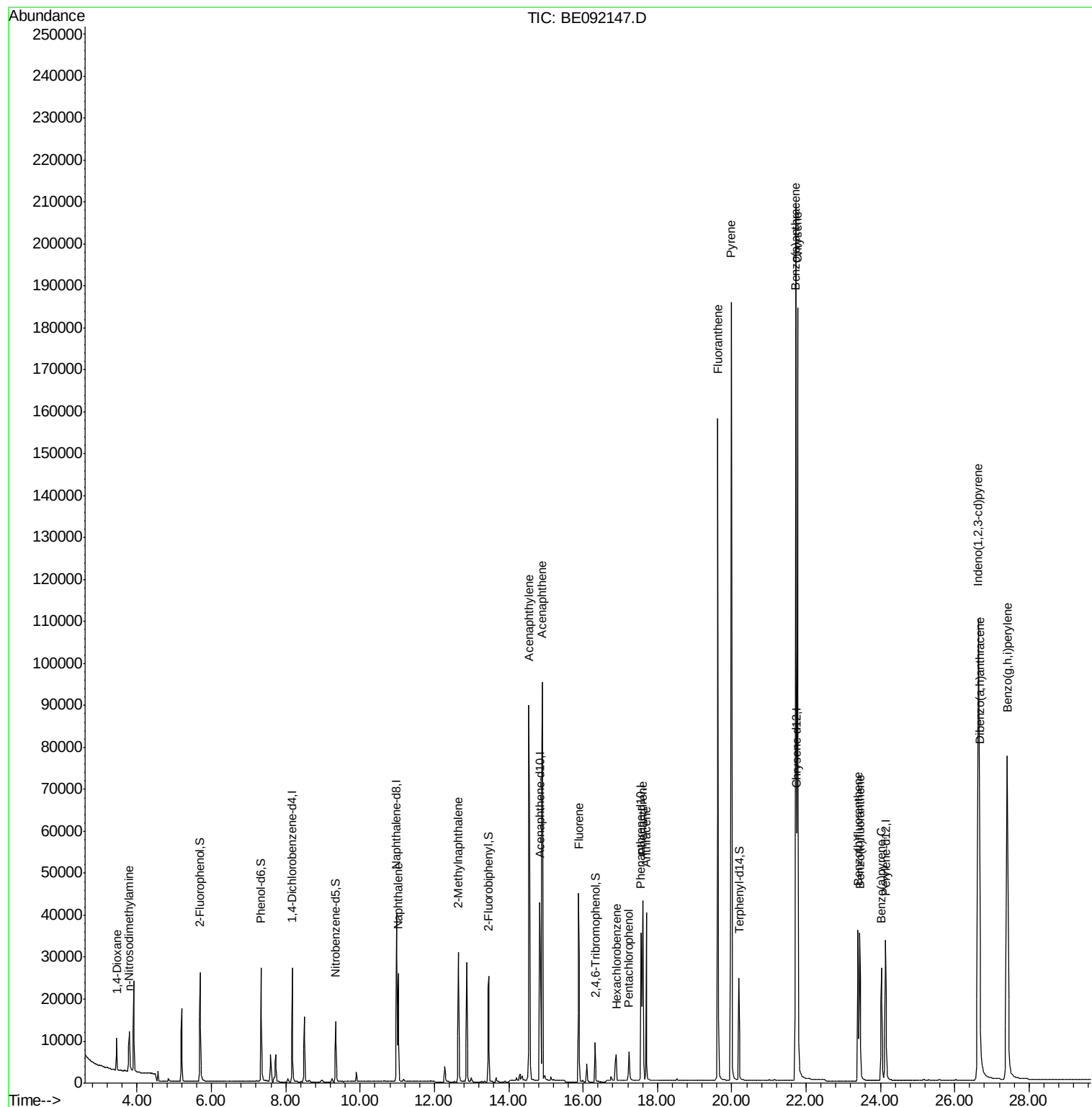
Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	4467	2.39	ng	# 85
3) n-Nitrosodimethylamine	3.78	42	8492	3.30	ng	# 87
8) Naphthalene	11.03	128	36690	2.91	ng	95
9) 2-Methylnaphthalene	12.64	142	24361	2.93	ng	# 86
13) Acenaphthylene	14.54	152	144366	2.79	ng	98
14) Acenaphthene	14.90	154	23899	2.90	ng	# 95
15) Fluorene	15.88	166	28336	2.71	ng	100
17) Hexachlorobenzene	16.89	284	7899	2.76	ng	# 60
18) Pentachlorophenol	17.24	266	5949	5.59	ng	# 82
19) Phenanthrene	17.60	178	48981	3.07	ng	99
20) Anthracene	17.70	178	47231	3.03	ng	99
21) Fluoranthene	19.63	202	197018	2.76	ng	96
23) Pyrene	19.99	202	211245	3.14	ng	98
25) Benzo(a)anthracene	21.72	228	207712	2.94	ng	96
26) Chrysene	21.77	228	194016	2.74	ng	# 86
27) Indeno(1,2,3-cd)pyrene	26.63	276	242487	3.15	ng	99
29) Benzo(b)fluoranthene	23.40	252	52339	3.81	ng	97
30) Benzo(k)fluoranthene	23.45	252	49760	3.78	ng	96
31) Benzo(a)pyrene	24.02	252	44909	3.56	ng	95
32) Dibenzo(a,h)anthracene	26.67	278	52379	4.35	ng	# 92
33) Benzo(g,h,i)perylene	27.42	276	202357	3.93	ng	95

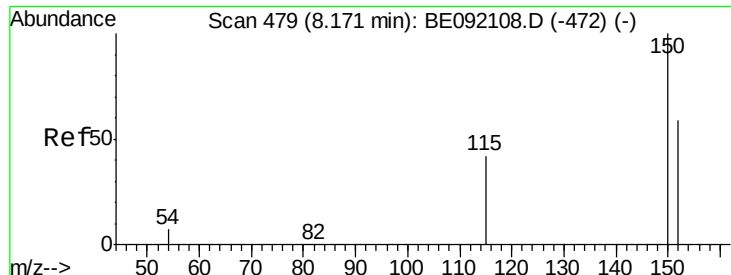
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

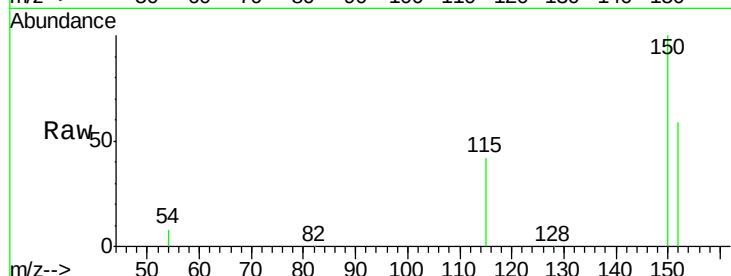
Tot Ion:152 Resp: 13725

Ion Ratio Lower Upper

152 100

150 168.8 106.0 159.0#

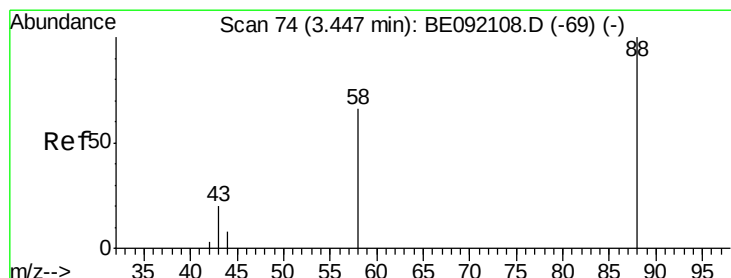
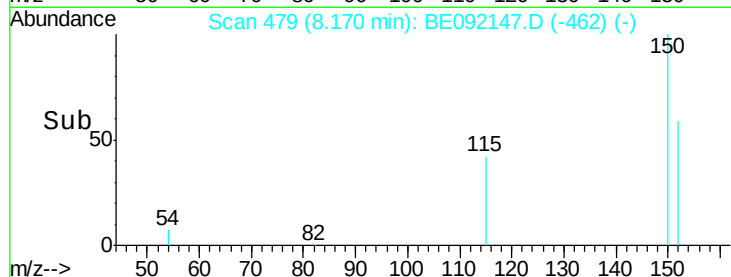
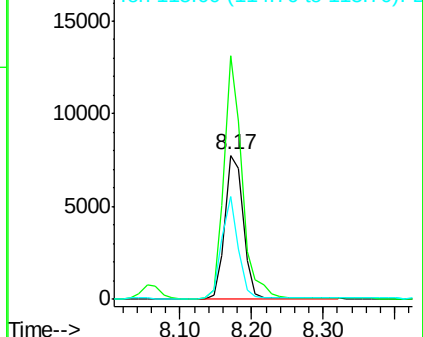
115 71.3 36.9 55.3#



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: 2.39 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

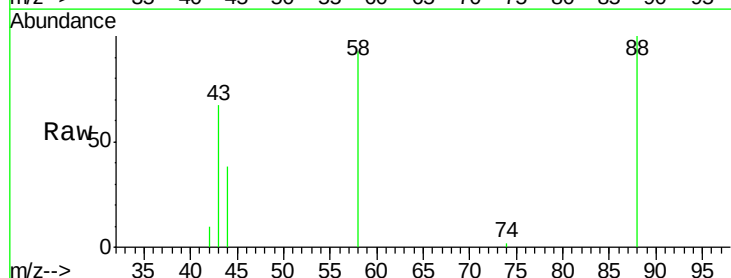
Tgt Ion: 88 Resp: 4467

Ion Ratio Lower Upper

88 100

58 87.1 62.1 93.1

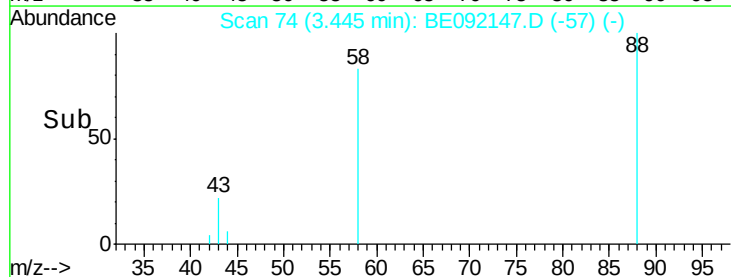
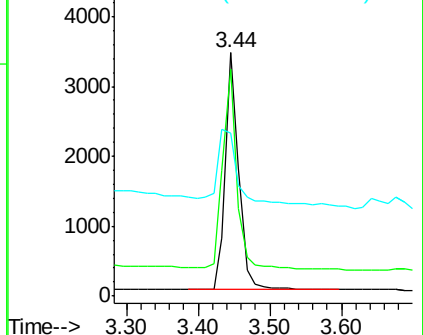
43 47.2 27.2 40.8#

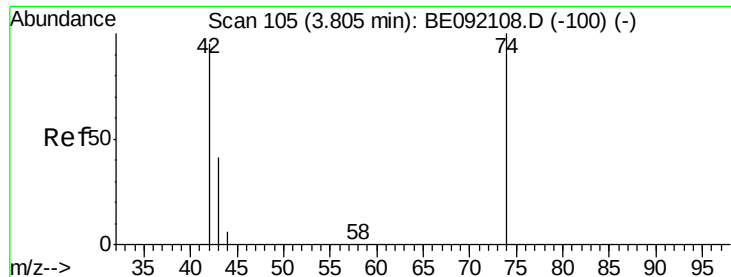


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.30 ng

RT: 3.78 min Scan# 103

Delta R.T. -0.02 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

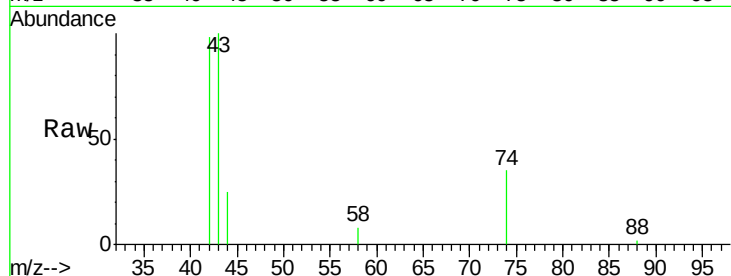
Tot Ion: 42 Resp: 8492

Ion Ratio Lower Upper

42 100

74 90.5 82.8 124.2

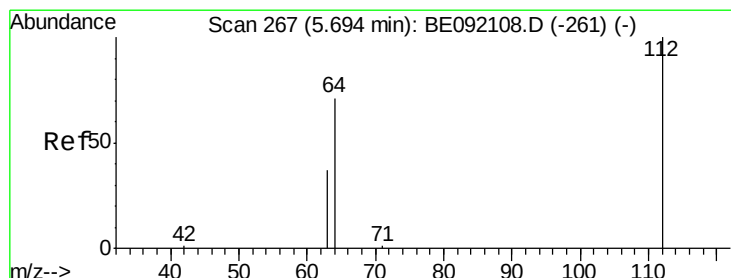
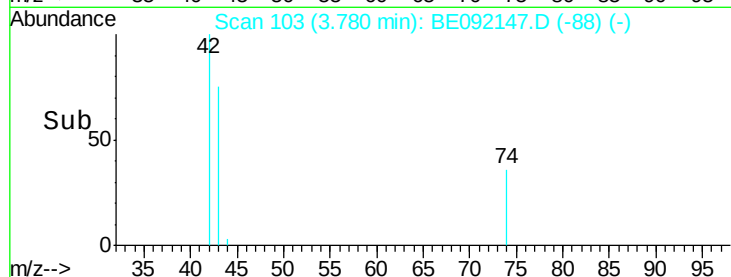
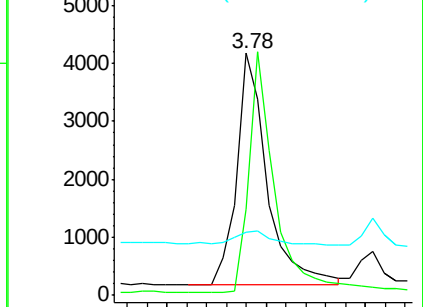
44 7.1 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.18 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

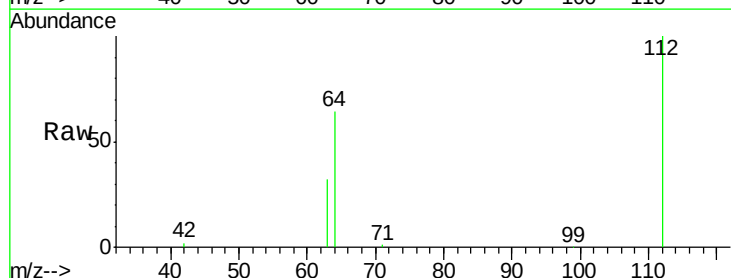
Tgt Ion: 112 Resp: 21792

Ion Ratio Lower Upper

112 100

64 67.1 55.9 83.9

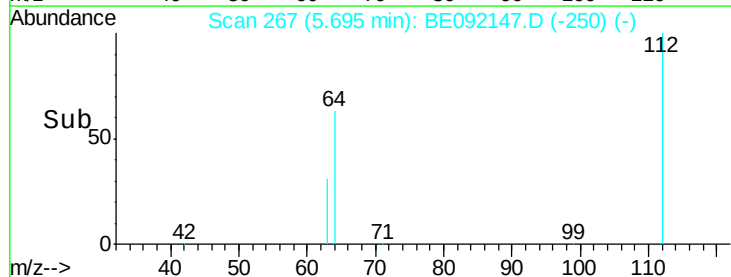
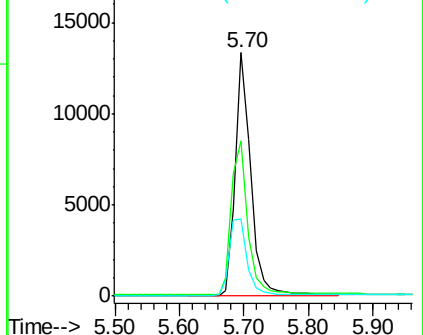
63 36.5 31.1 46.7

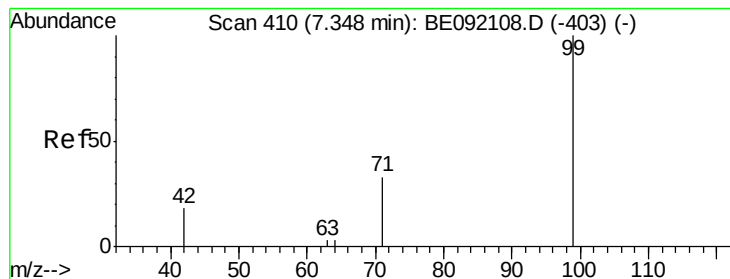


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.99 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

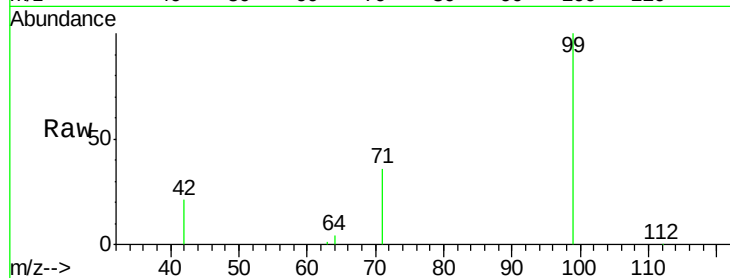
Tot Ion: 99 Resp: 28136

Ion Ratio Lower Upper

99 100

42 25.7 22.4 33.6

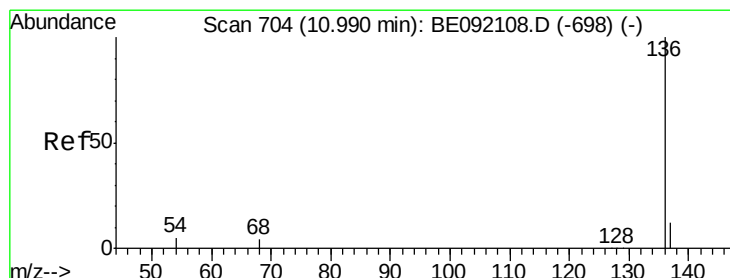
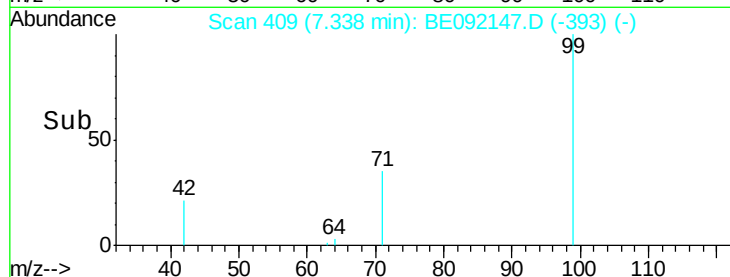
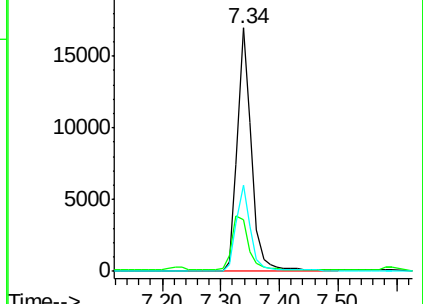
71 35.4 28.9 43.3



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: BE092147.D

Acq: 3 Aug 2016 15:30

Tgt Ion: 136 Resp: 58631

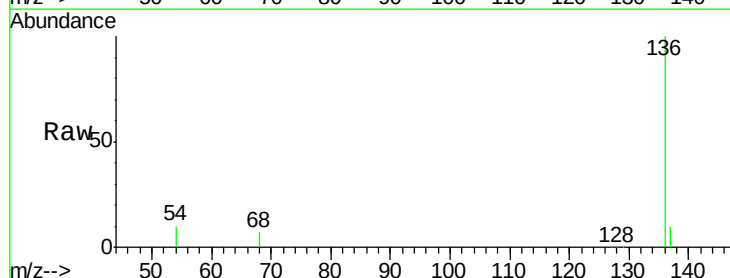
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 10.4 2.7 4.1#

68 7.3 2.2 3.4#

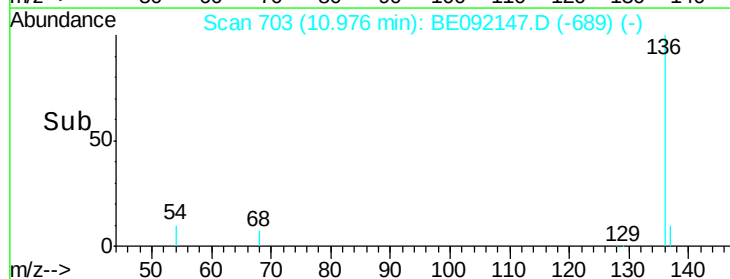
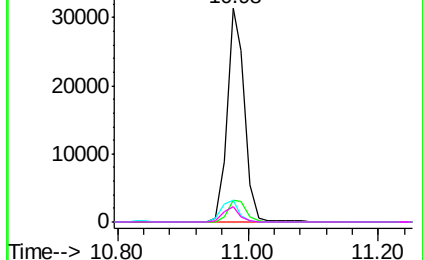


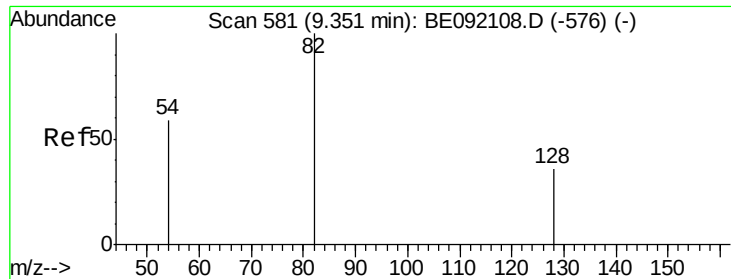
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 2.80 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

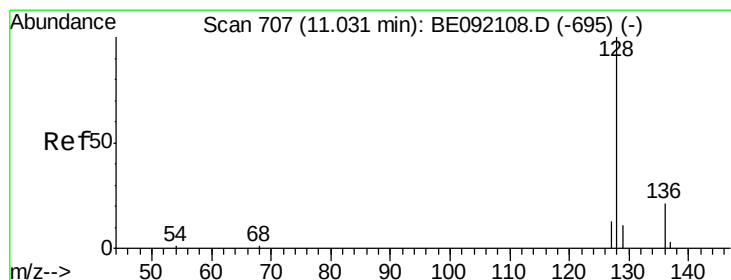
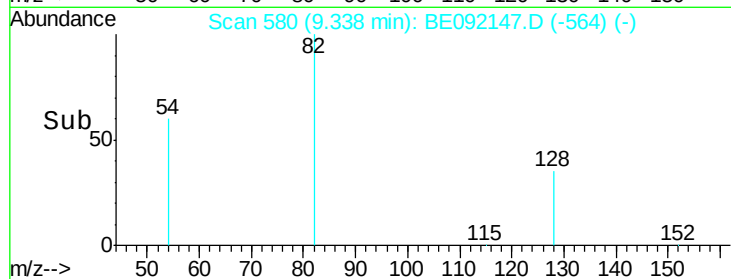
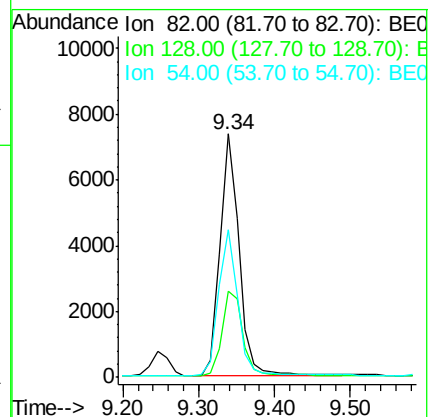
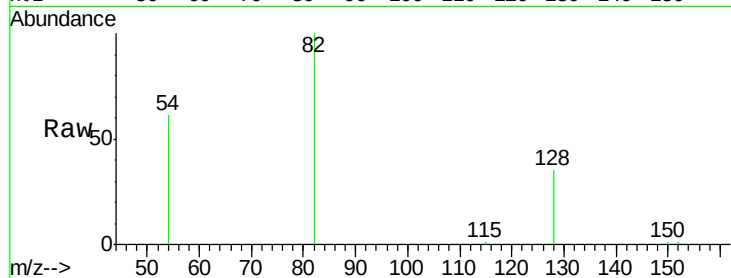
Tot Ion: 82 Resp: 12966

Ion Ratio Lower Upper

82 100

128 35.2 33.0 49.4

54 60.6 42.6 63.8



#8

Naphthalene

Concen: 2.91 ng

RT: 11.03 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

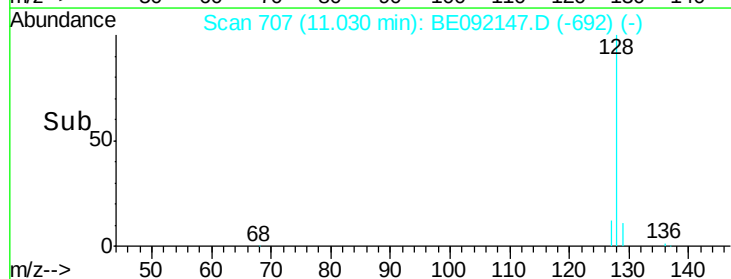
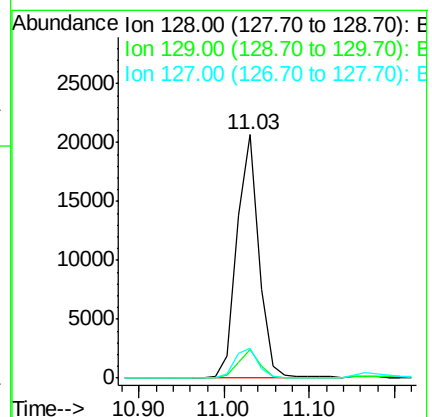
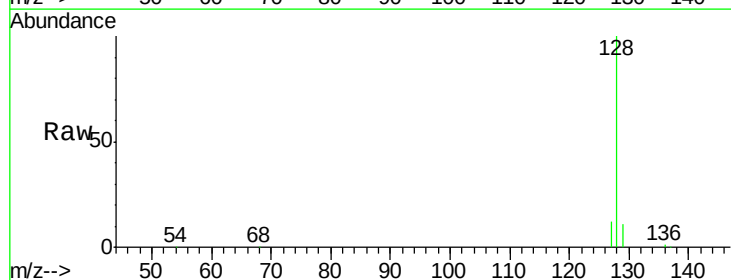
Tgt Ion: 128 Resp: 36690

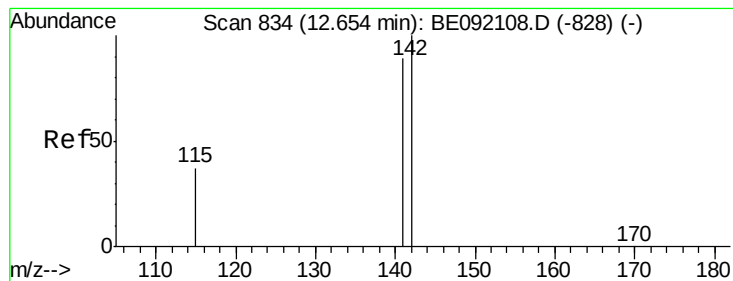
Ion Ratio Lower Upper

128 100

129 11.5 11.1 16.7

127 12.5 11.3 16.9





#9

2-Methylnaphthalene

Concen: 2.93 ng

RT: 12.64 min Scan# 833

Delta R.T. -0.01 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

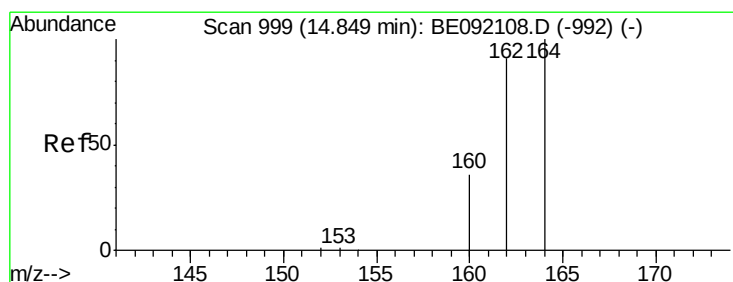
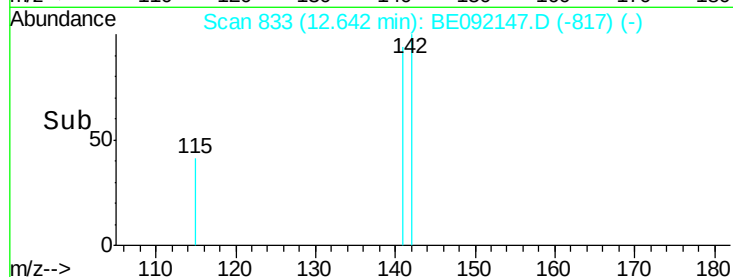
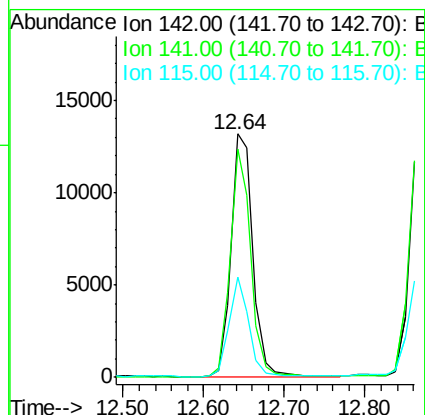
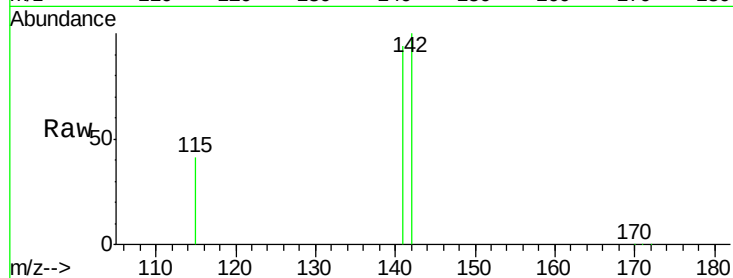
Tot Ion:142 Resp: 24361

Ion Ratio Lower Upper

142 100

141 93.9 65.1 97.7

115 41.3 27.0 40.4#



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

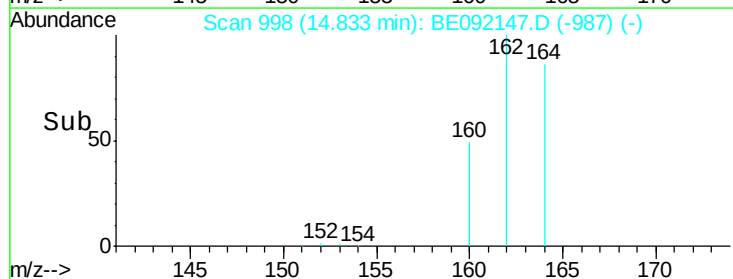
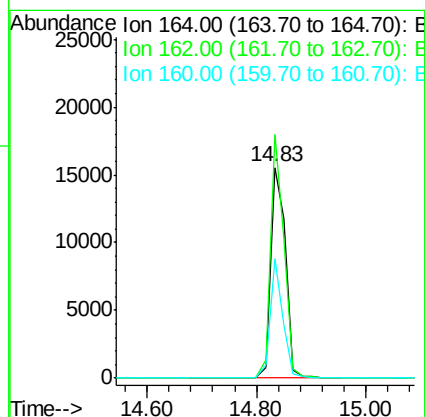
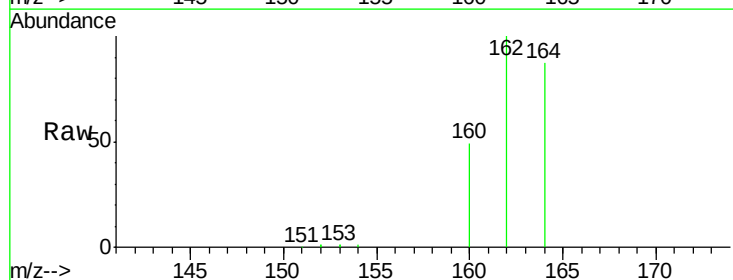
Tgt Ion:164 Resp: 29277

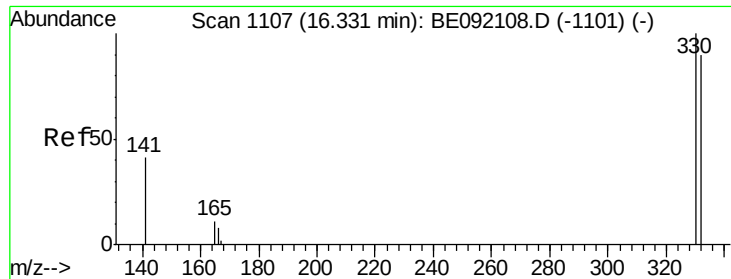
Ion Ratio Lower Upper

164 100

162 115.6 69.5 104.3#

160 57.0 27.6 41.4#

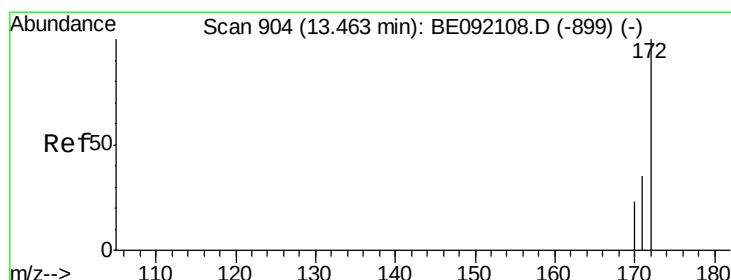
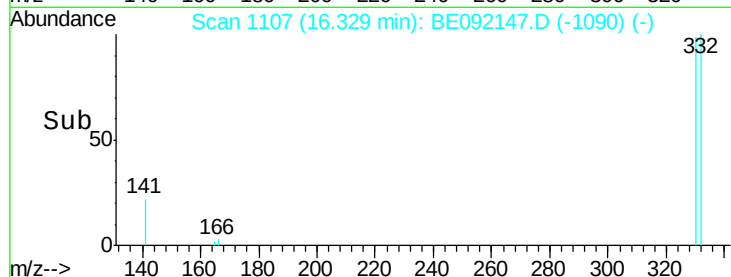
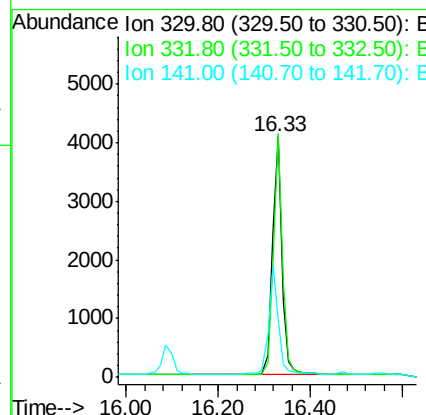
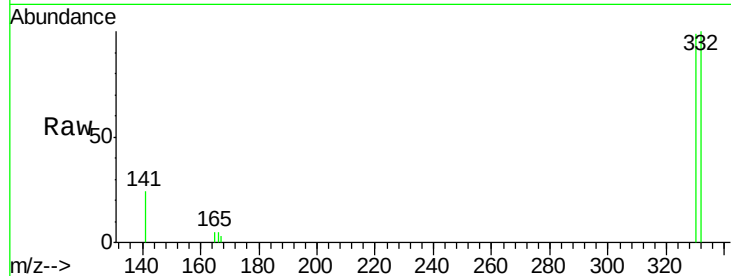




#11
 2,4,6-Tribromophenol
 Concen: 6.33 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092147.D
 Acq: 3 Aug 2016 15:30

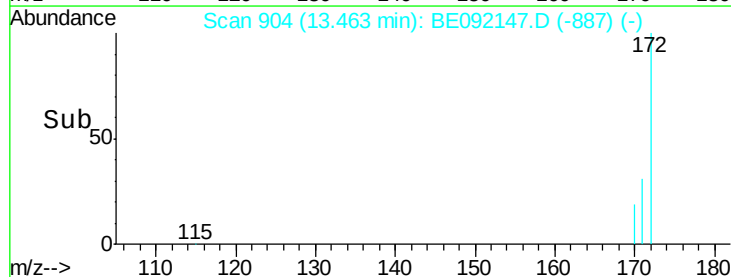
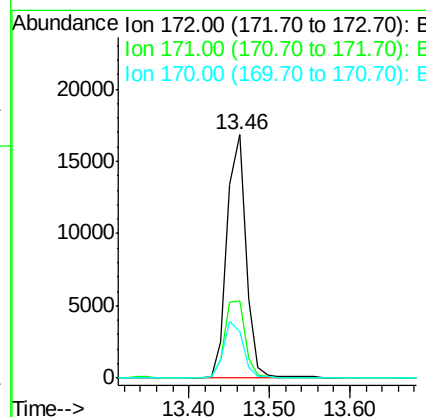
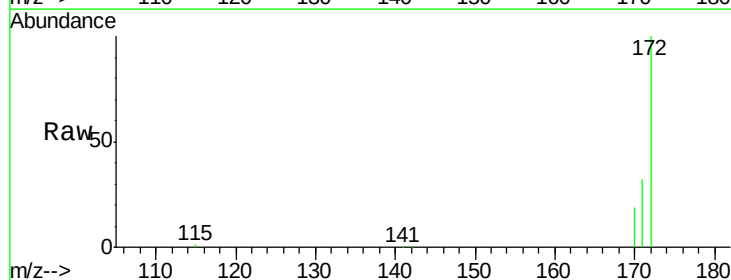
Instrument :
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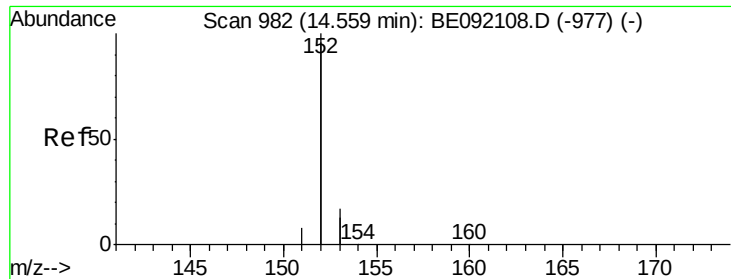
Tot Ion:330 Resp: 6018
 Ion Ratio Lower Upper
 330 100
 332 97.3 74.2 111.4
 141 44.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 2.94 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092147.D
 Acq: 3 Aug 2016 15:30

Tgt Ion:172 Resp: 27252
 Ion Ratio Lower Upper
 172 100
 171 31.5 30.3 45.5
 170 19.1 21.6 32.4#





#13

Acenaphthylene

Concen: 2.79 ng

RT: 14.54 min Scan# 981

Delta R.T. -0.02 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

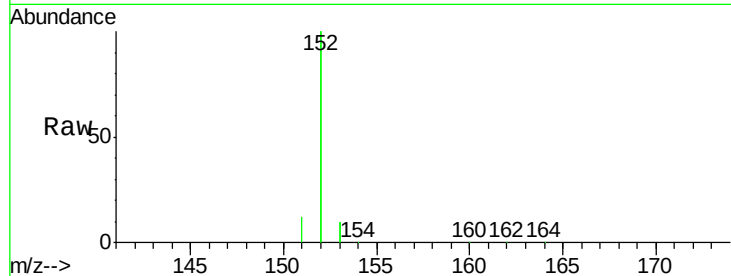
Tot Ion:152 Resp: 144366

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

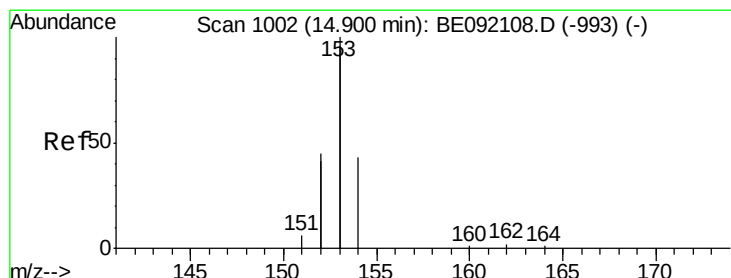
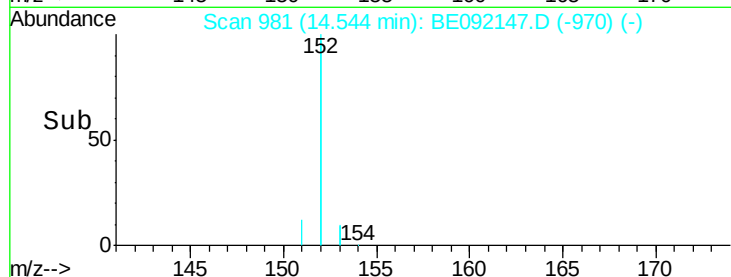
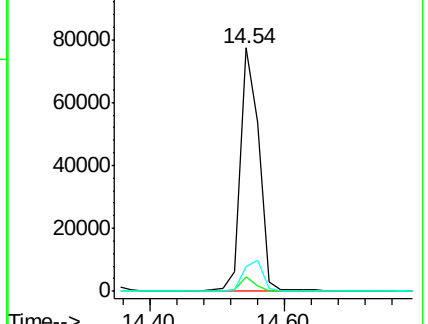
153 13.0 9.6 14.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#14

Acenaphthene

Concen: 2.90 ng

RT: 14.90 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

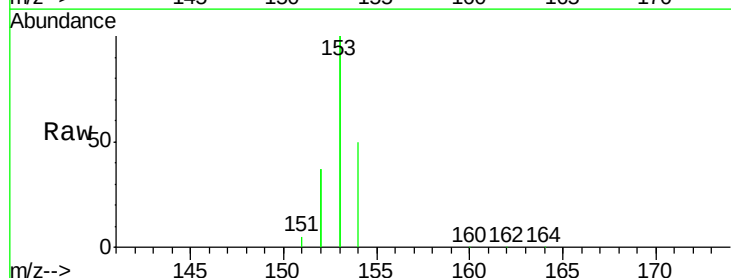
Tgt Ion:154 Resp: 23899

Ion Ratio Lower Upper

154 100

153 418.8 345.1 517.7

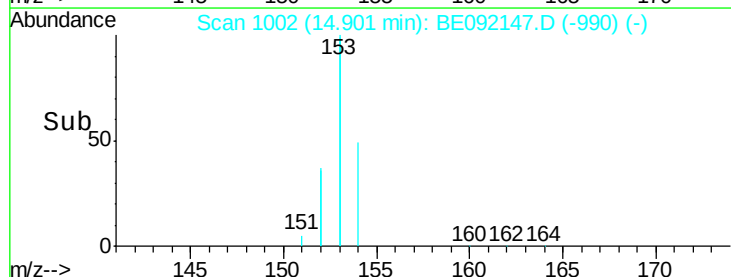
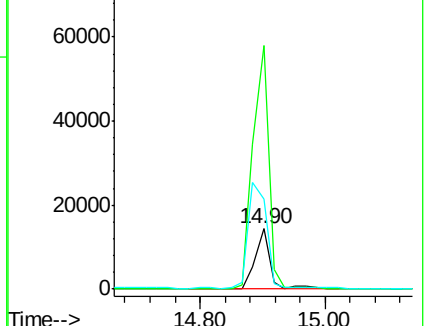
152 210.4 0.0 0.0#

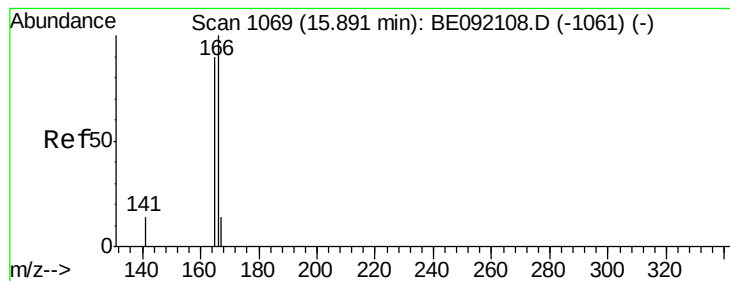


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#15

Fluorene

Concen: 2.71 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

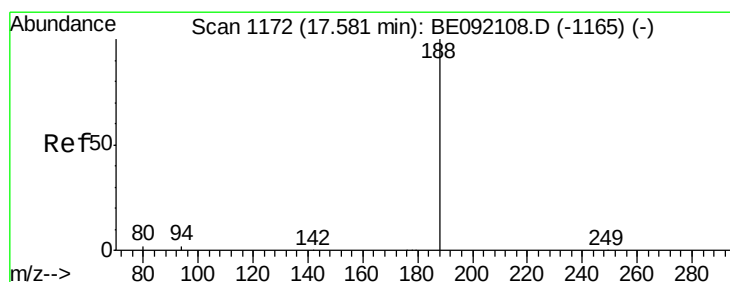
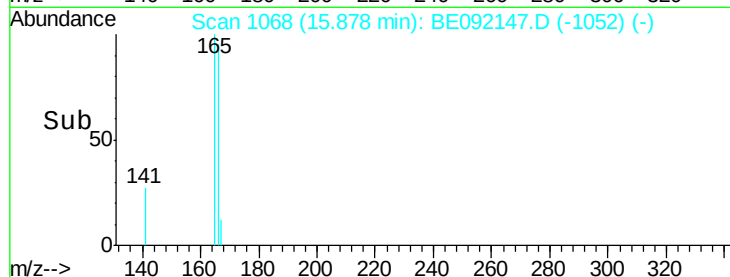
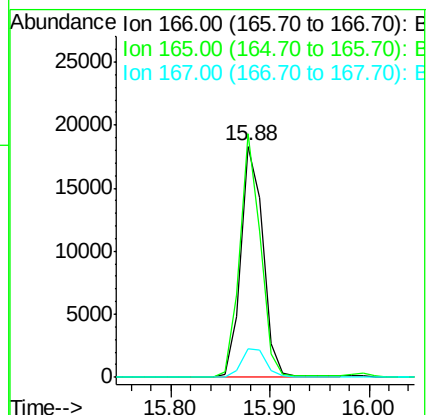
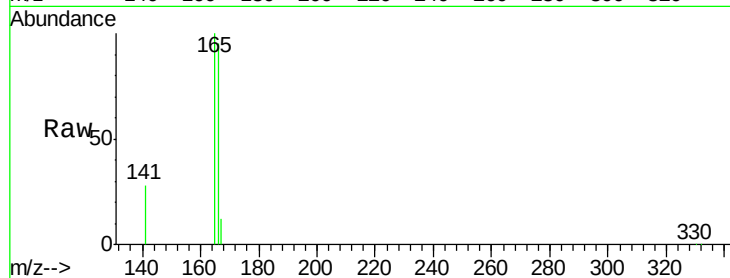
Tot Ion:166 Resp: 28336

Ion Ratio Lower Upper

166 100

165 98.0 78.6 118.0

167 13.4 11.1 16.7



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

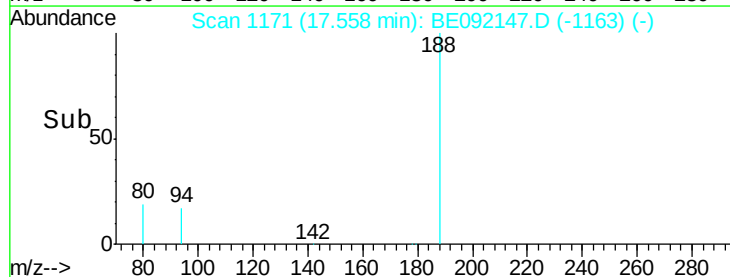
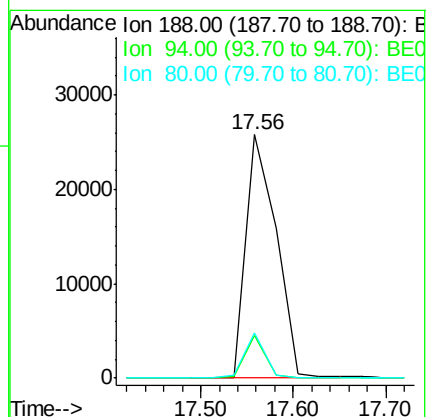
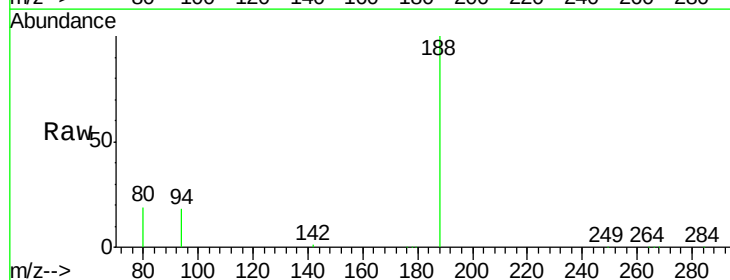
Tgt Ion:188 Resp: 58466

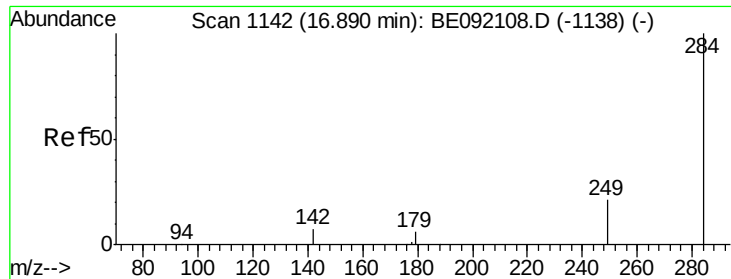
Ion Ratio Lower Upper

188 100

94 17.5 3.9 5.9#

80 18.8 3.4 5.0#

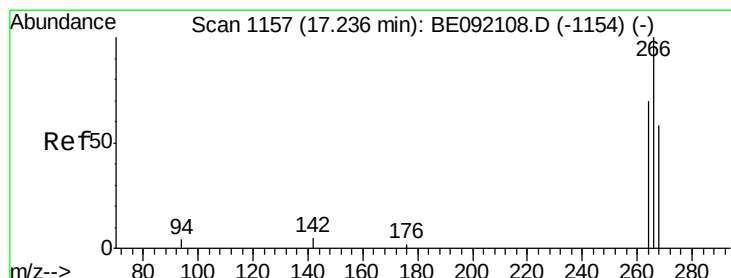
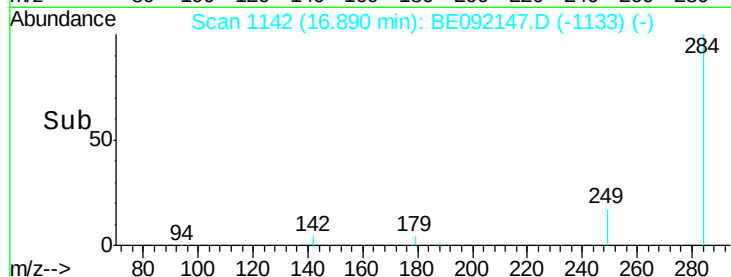
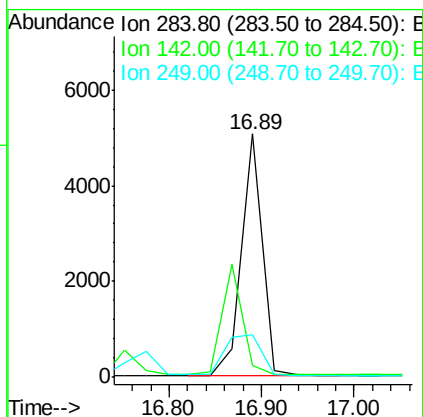
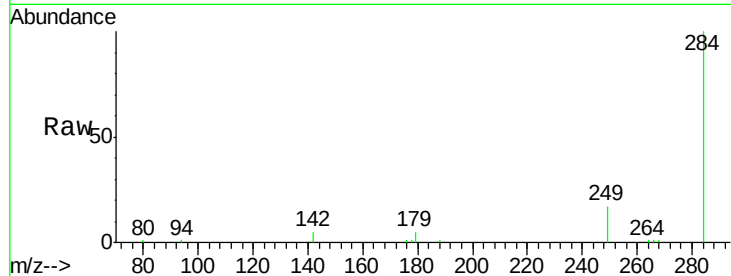




#17
Hexachlorobenzene
Concen: 2.76 ng
RT: 16.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BE092147.D
Acq: 3 Aug 2016 15:30

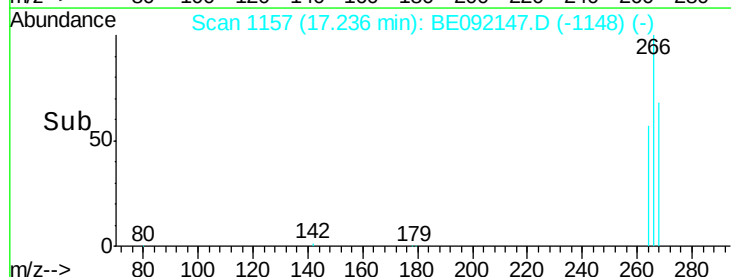
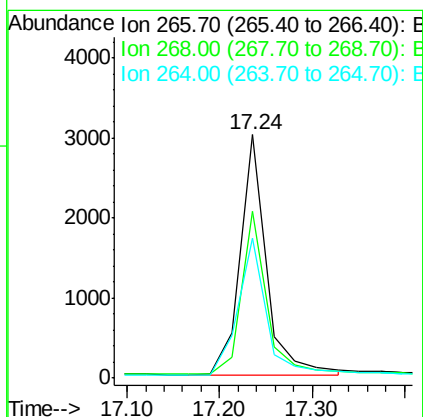
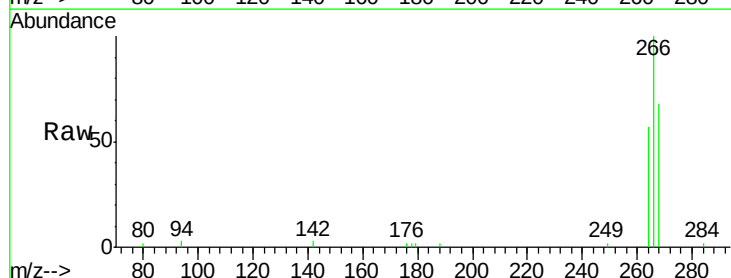
Instrument :
BNA_E
ClientSampleId :
PB92496BS

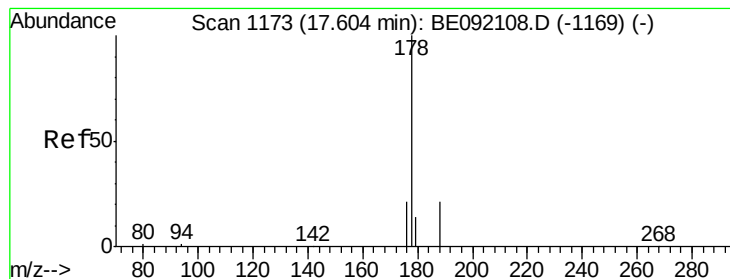
Tot Ion:284 Resp: 7899
Ion Ratio Lower Upper
284 100
142 0.0 33.3 49.9#
249 28.8 25.4 38.0



#18
Pentachlorophenol
Concen: 5.59 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092147.D
Acq: 3 Aug 2016 15:30

Tgt Ion:266 Resp: 5949
Ion Ratio Lower Upper
266 100
268 68.3 62.7 94.1
264 57.2 63.5 95.3#





#19

Phenanthrene

Concen: 3.07 ng

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

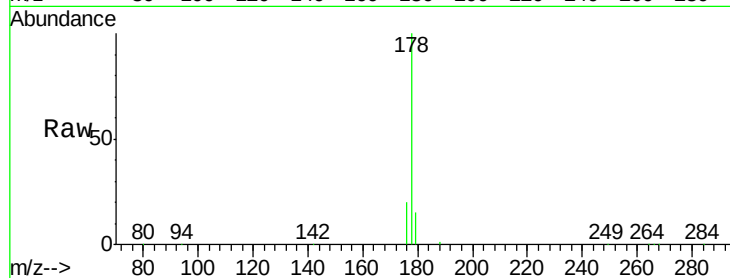
Tot Ion:178 Resp: 48981

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

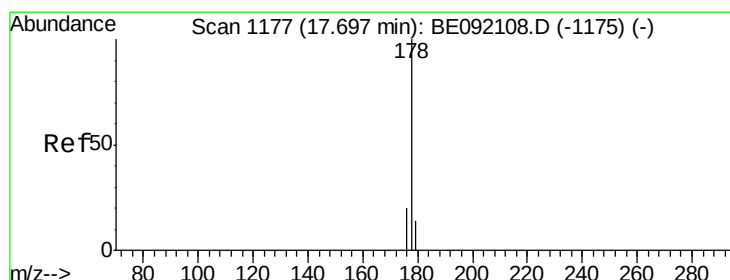
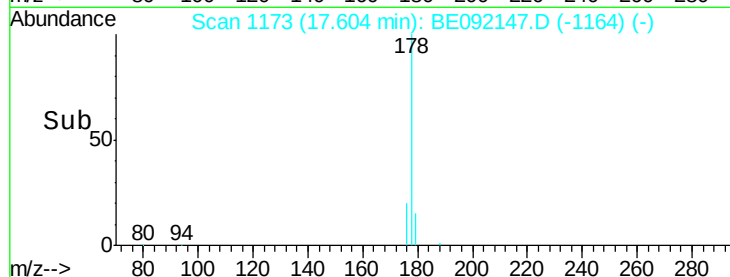
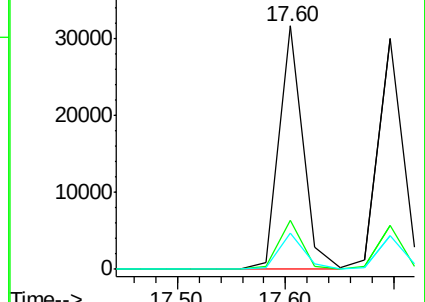
179 15.3 12.7 19.1



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



#20

Anthracene

Concen: 3.03 ng

RT: 17.70 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

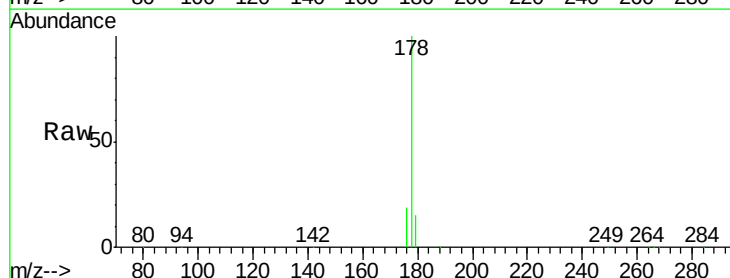
Tgt Ion:178 Resp: 47231

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

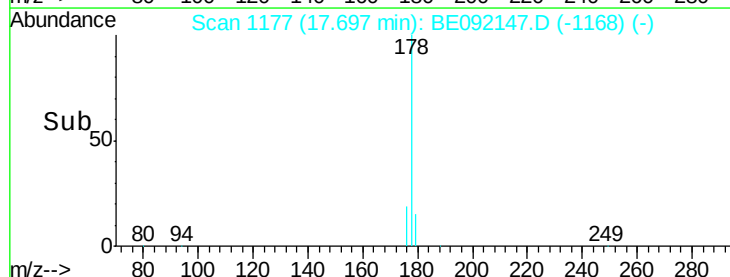
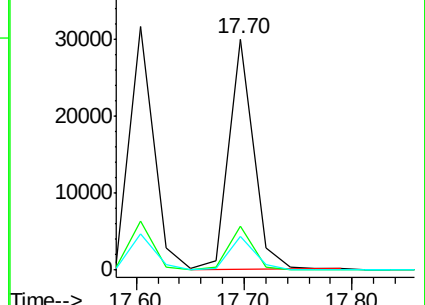
179 14.9 12.2 18.4

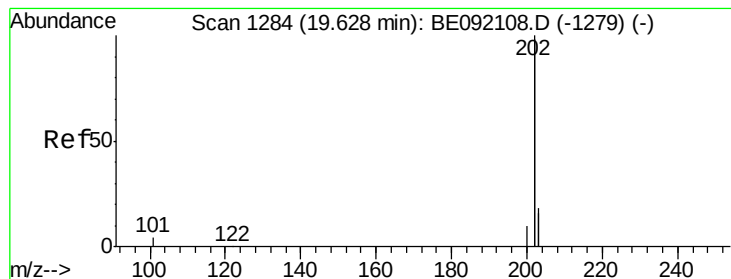


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#21

Fluoranthene

Concen: 2.76 ng

RT: 19.63 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

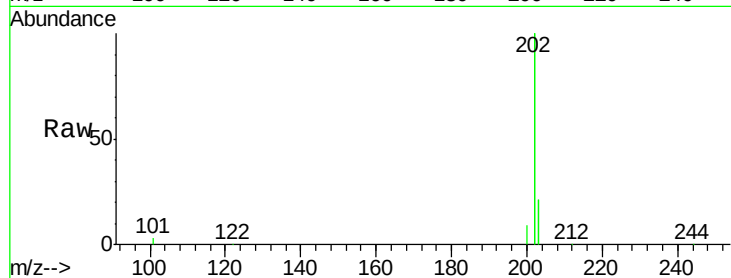
Tot Ion:202 Resp: 197018

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.2

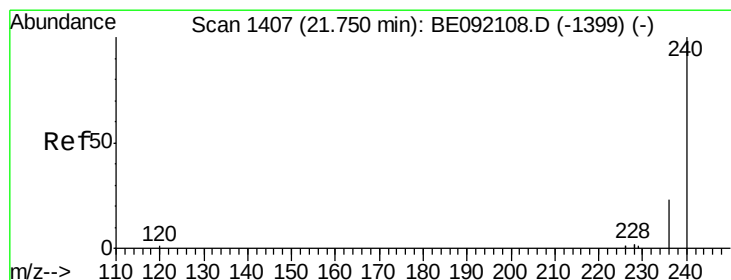
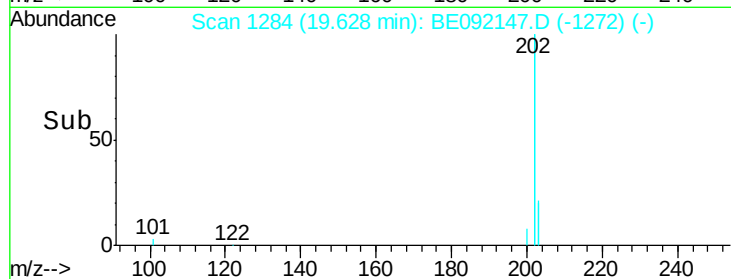
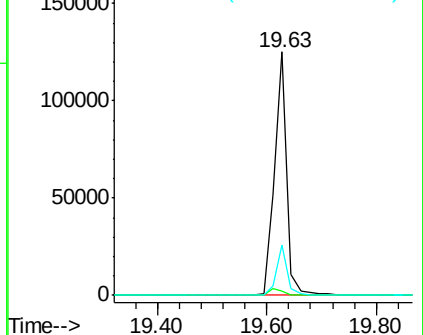
203 18.2 13.0 19.4



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

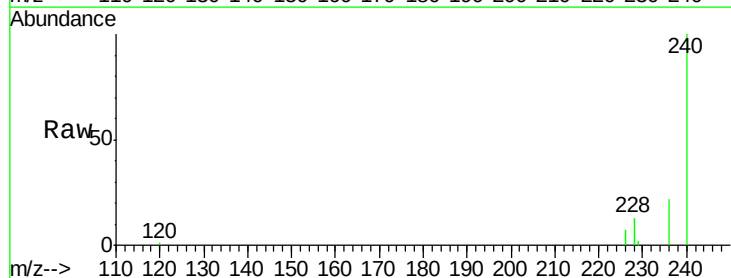
Tgt Ion:240 Resp: 64353

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

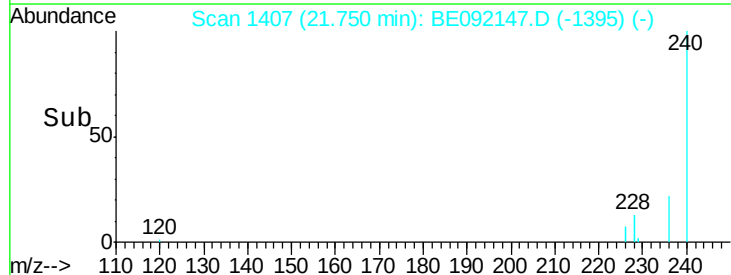
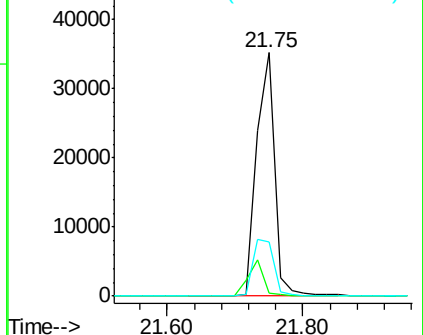
236 22.5 18.2 27.4

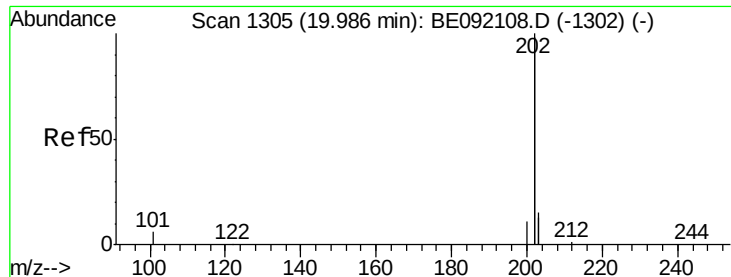


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

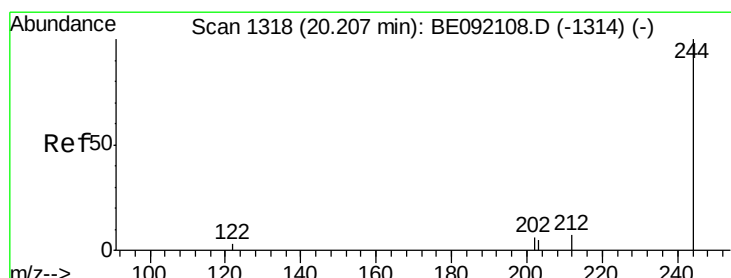
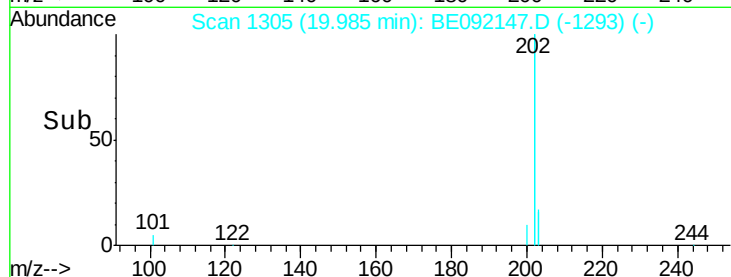
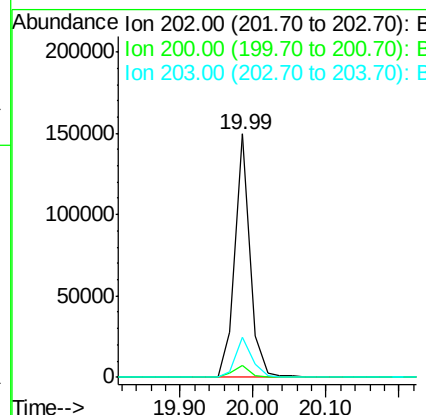
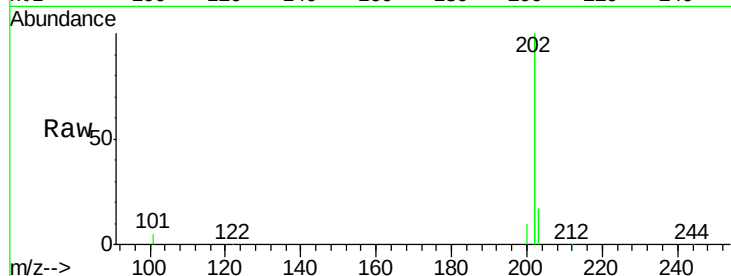




#23
Pvrene
Concen: 3.14 ng
RT: 19.99 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092147.D
Acq: 3 Aug 2016 15:30

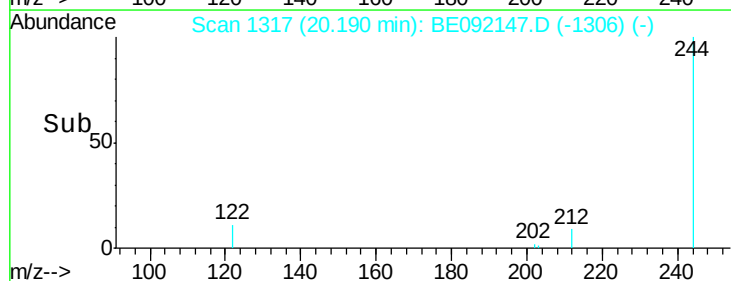
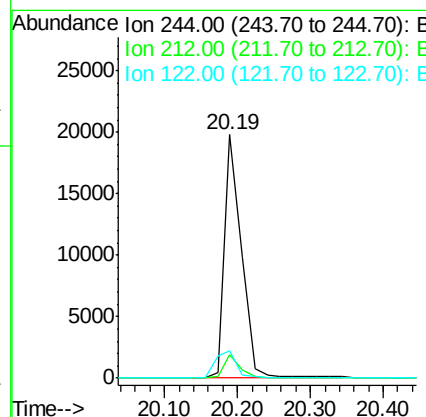
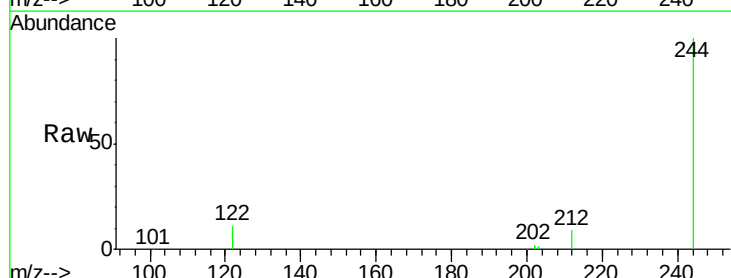
Instrument :
BNA_E
ClientSampleId :
PB92496BS

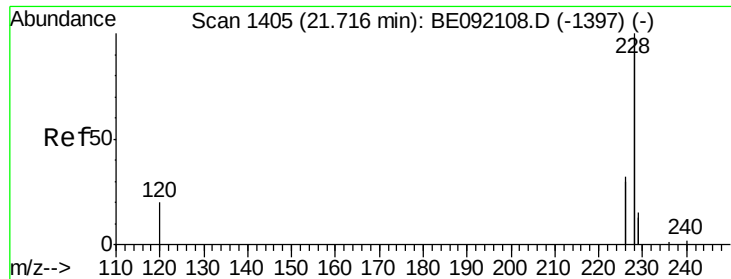
Tot Ion:202 Resp: 211245
Ion Ratio Lower Upper
202 100
200 5.3 4.4 6.6
203 17.7 13.4 20.0



#24
Terphenyl-d14
Concen: 3.47 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092147.D
Acq: 3 Aug 2016 15:30

Tgt Ion:244 Resp: 32092
Ion Ratio Lower Upper
244 100
212 9.5 9.1 13.7
122 11.1 11.0 16.4





#25

Benzo(a)anthracene

Concen: 2.94 ng

RT: 21.72 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

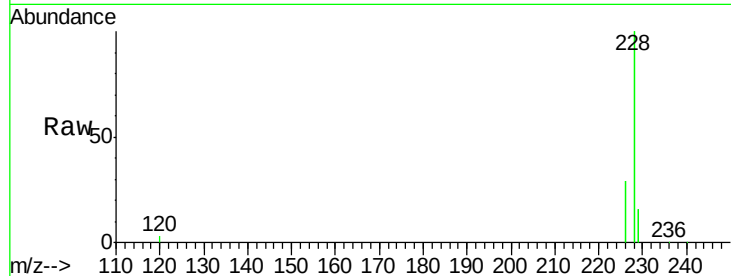
Tot Ion:228 Resp: 207712

Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

229 15.8 15.1 22.7

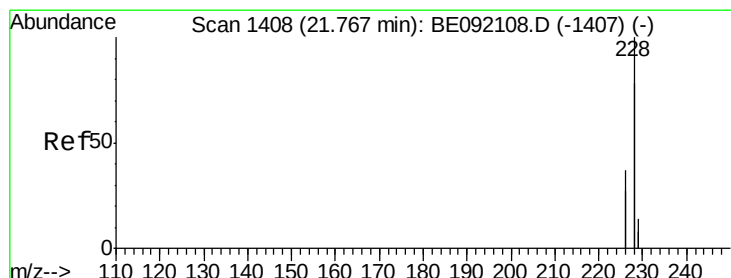
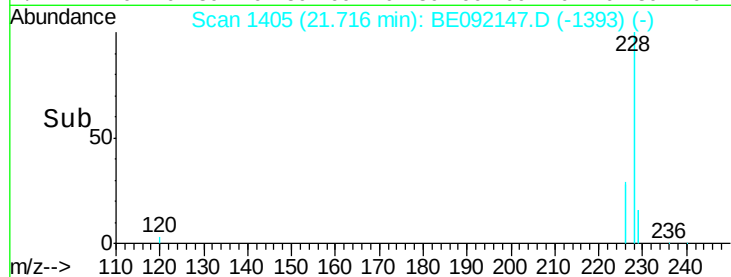
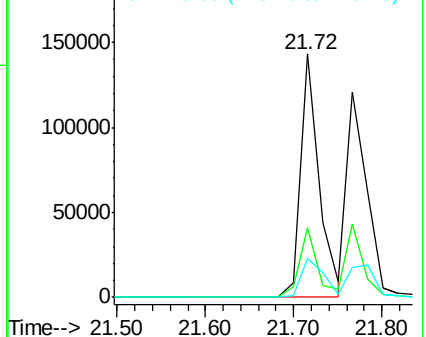


Abundance

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: 2.74 ng

RT: 21.77 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

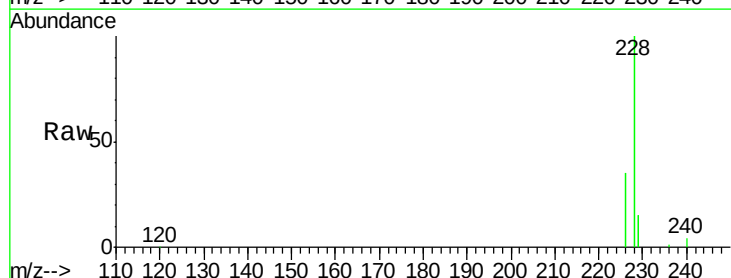
Tgt Ion:228 Resp: 194016

Ion Ratio Lower Upper

228 100

226 35.4 22.3 33.5#

229 14.5 16.9 25.3#

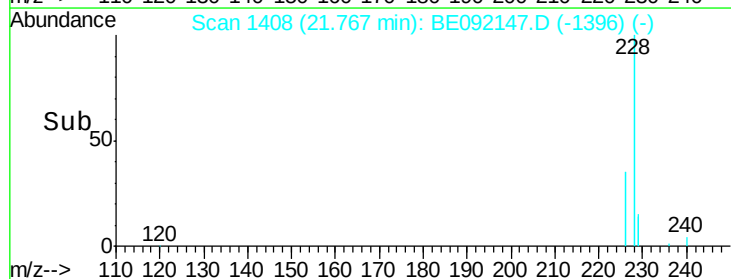
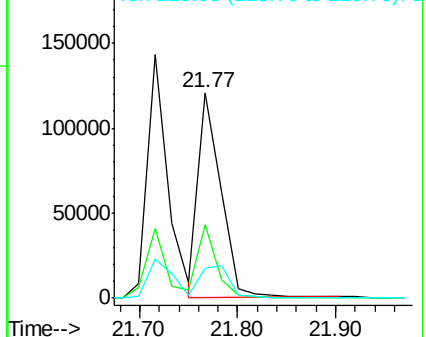


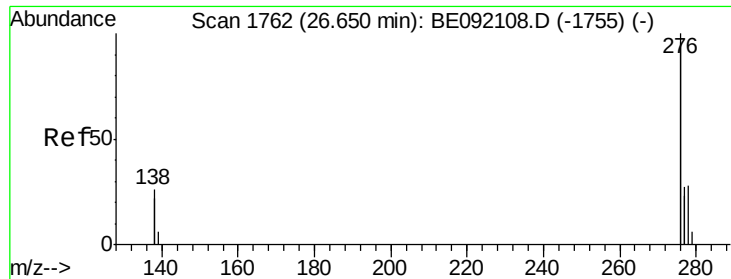
Abundance

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

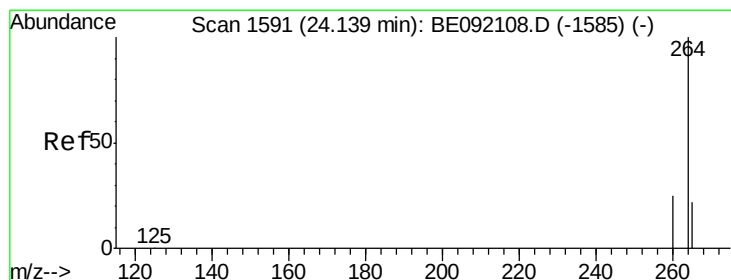
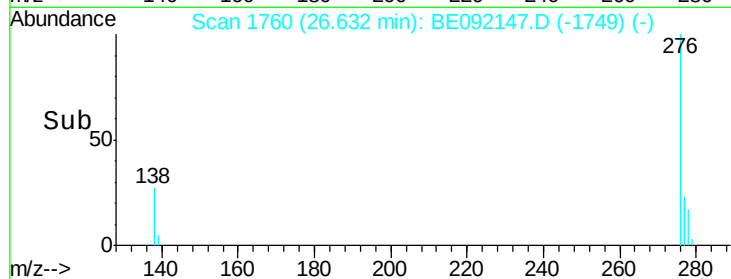
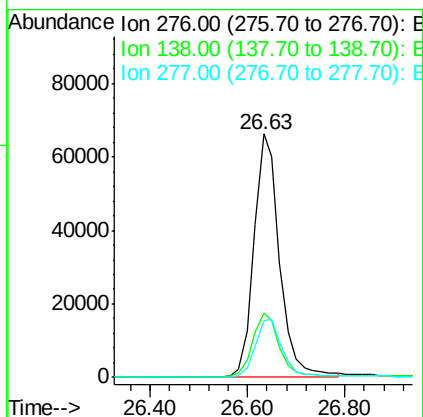
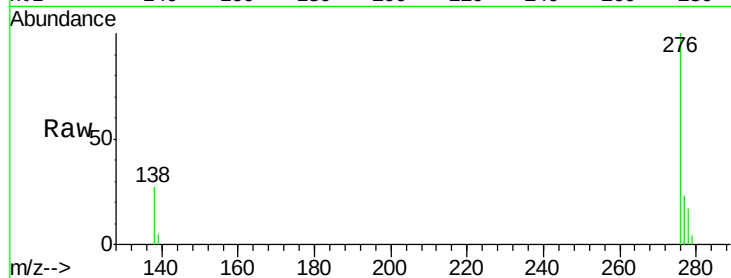




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.15 ng
RT: 26.63 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BE092147.D
Acq: 3 Aug 2016 15:30

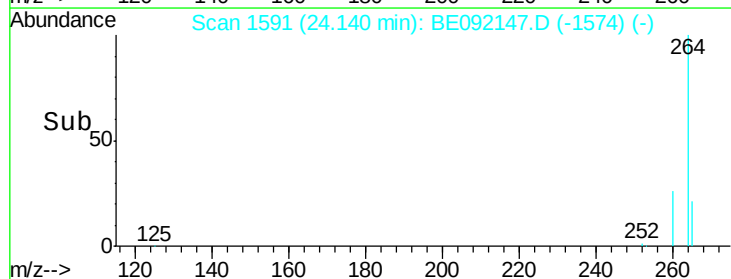
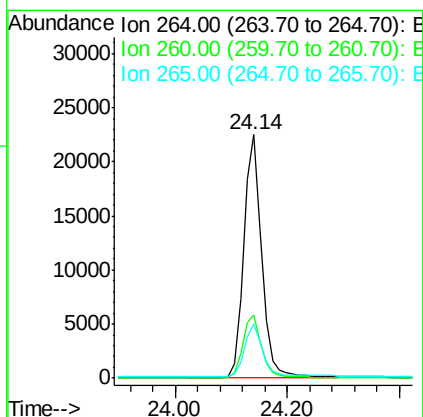
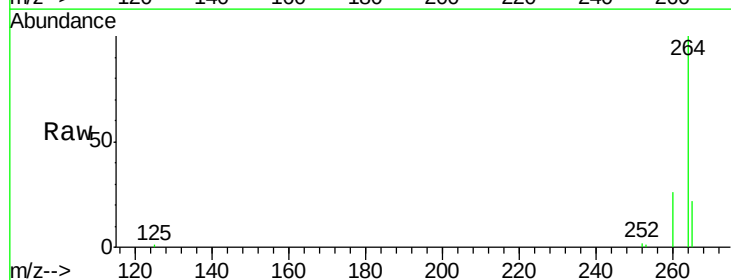
Instrument :
BNA_E
ClientSampleId :
PB92496BS

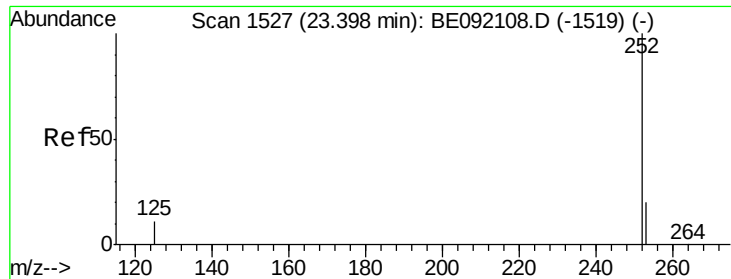
Tot Ion:276 Resp: 242487
Ion Ratio Lower Upper
276 100
138 27.1 21.2 31.8
277 24.7 19.8 29.8



#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092147.D
Acq: 3 Aug 2016 15:30

Tgt Ion:264 Resp: 50203
Ion Ratio Lower Upper
264 100
260 25.8 20.8 31.2
265 22.3 16.6 25.0





#29

Benzo(b)fluoranthene

Concen: 3.81 ng

RT: 23.40 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

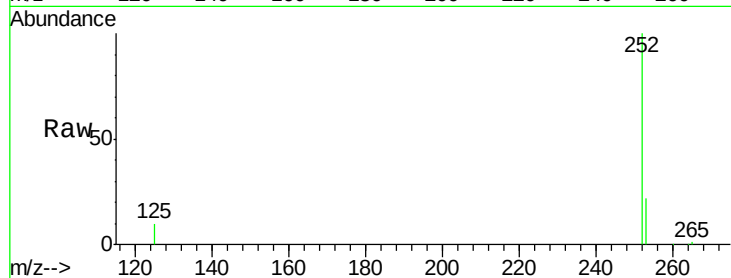
Tot Ion:252 Resp: 52339

Ion Ratio Lower Upper

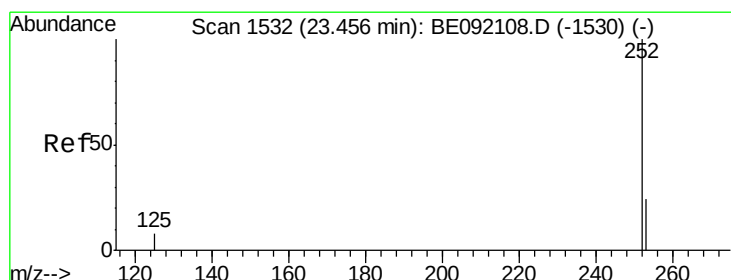
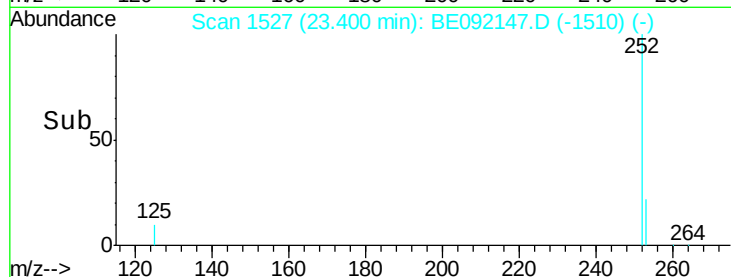
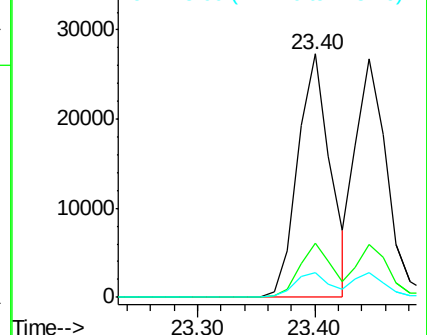
252 100

253 22.2 17.4 26.0

125 10.2 10.2 15.2



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



#30

Benzo(k)fluoranthene

Concen: 3.78 ng

RT: 23.45 min Scan# 1531

Delta R.T. -0.01 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

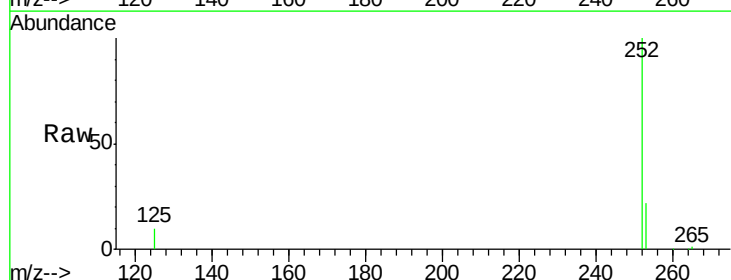
Tgt Ion:252 Resp: 49760

Ion Ratio Lower Upper

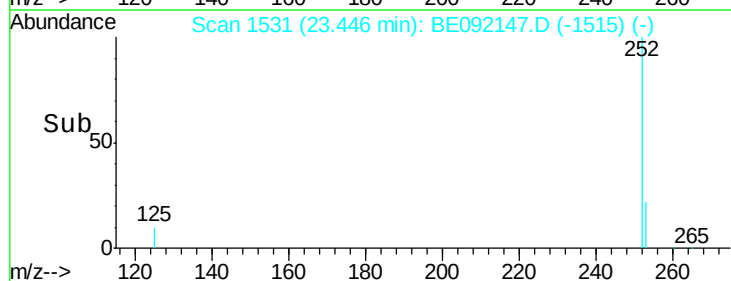
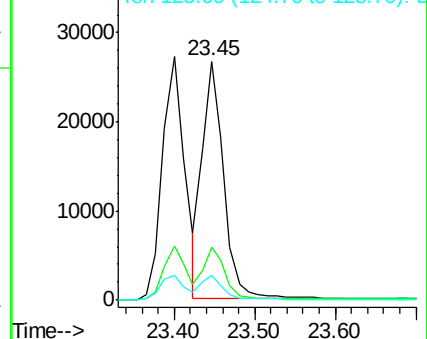
252 100

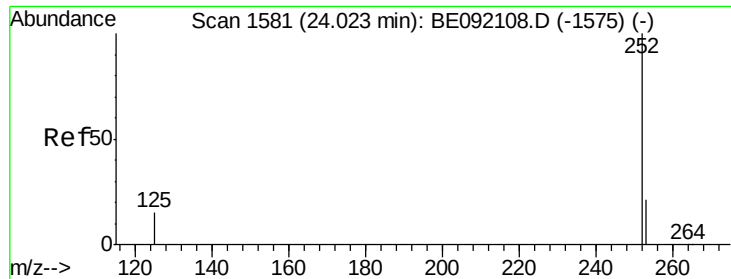
253 22.1 19.4 29.0

125 10.4 8.9 13.3



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





#31

Benzo(a)pyrene

Concen: 3.56 ng

RT: 24.02 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

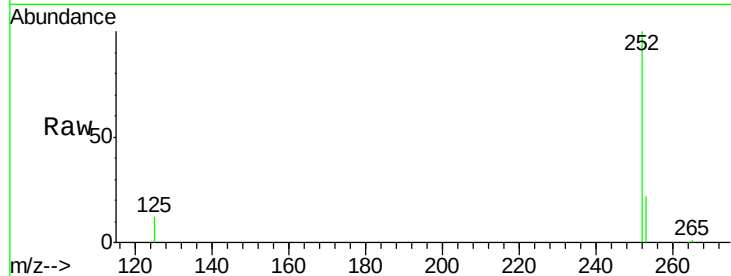
Tot Ion:252 Resp: 44909

Ion Ratio Lower Upper

252 100

253 22.3 19.8 29.8

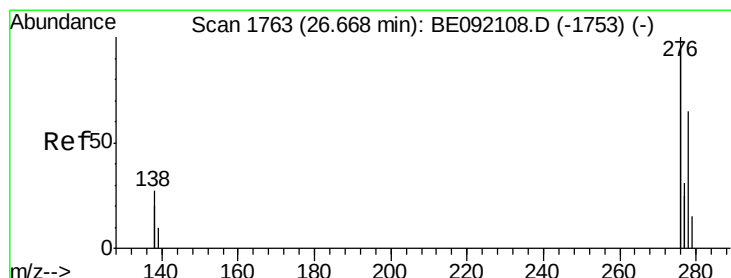
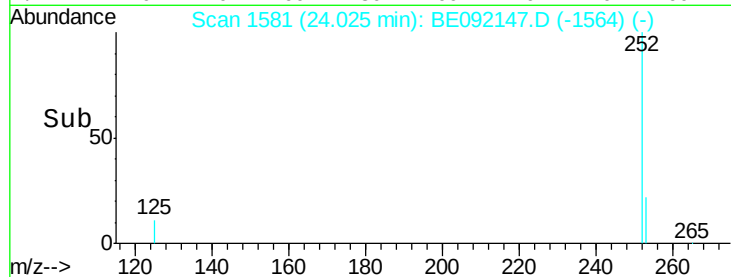
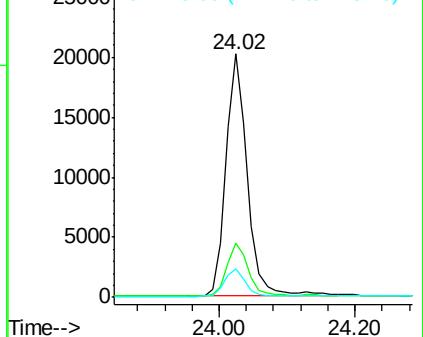
125 11.6 10.4 15.6



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



#32

Dibenzo(a,h)anthracene

Concen: 4.35 ng

RT: 26.67 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

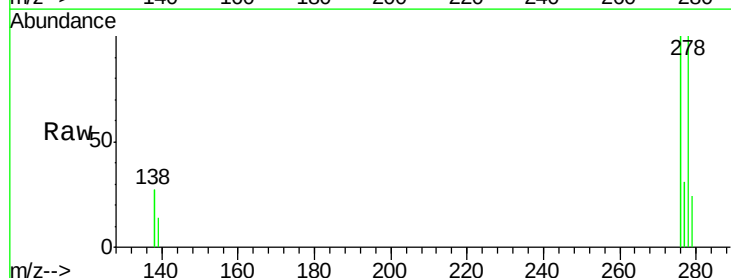
Tgt Ion:278 Resp: 52379

Ion Ratio Lower Upper

278 100

139 14.1 16.7 25.1#

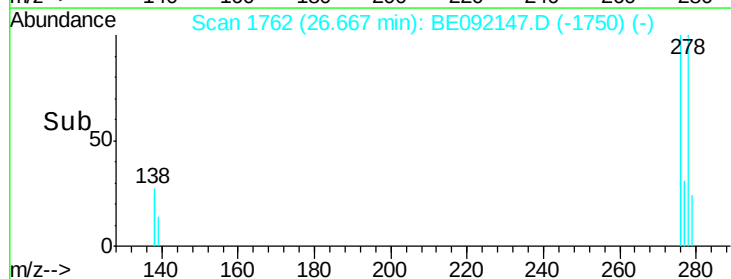
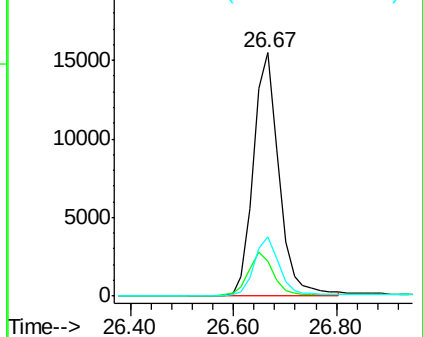
279 24.1 20.3 30.5

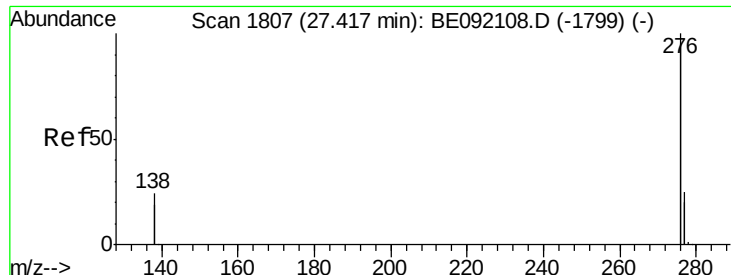


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Benzo(a,h,i)perylene

Concen: 3.93 ng

RT: 27.42 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BE092147.D

Acq: 3 Aug 2016 15:30

Instrument :

BNA_E

ClientSampleId :

PB92496BS

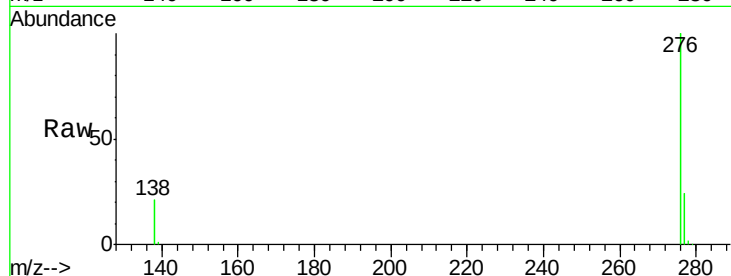
Tot Ion: 276 Resp: 202357

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 21.4 20.8 31.2



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

