

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092209.D
 Acq On : 5 Aug 2016 8:20
 Operator : UM/SJ
 Sample : H4288-22MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 05 17:16:29 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	11143	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	52091	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29857	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	69983	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	88237	5.00	ng	0.00
28) Perylene-d12	24.14	264	89125	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	12551	4.39	ng	0.00
5) Phenol-d6	7.35	99	11154	2.93	ng	0.00
7) Nitrobenzene-d5	9.34	82	12987	3.16	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8433	8.70	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29585	3.13	ng	0.00
24) Terphenyl-d14	20.19	244	48909	3.86	ng	-0.02

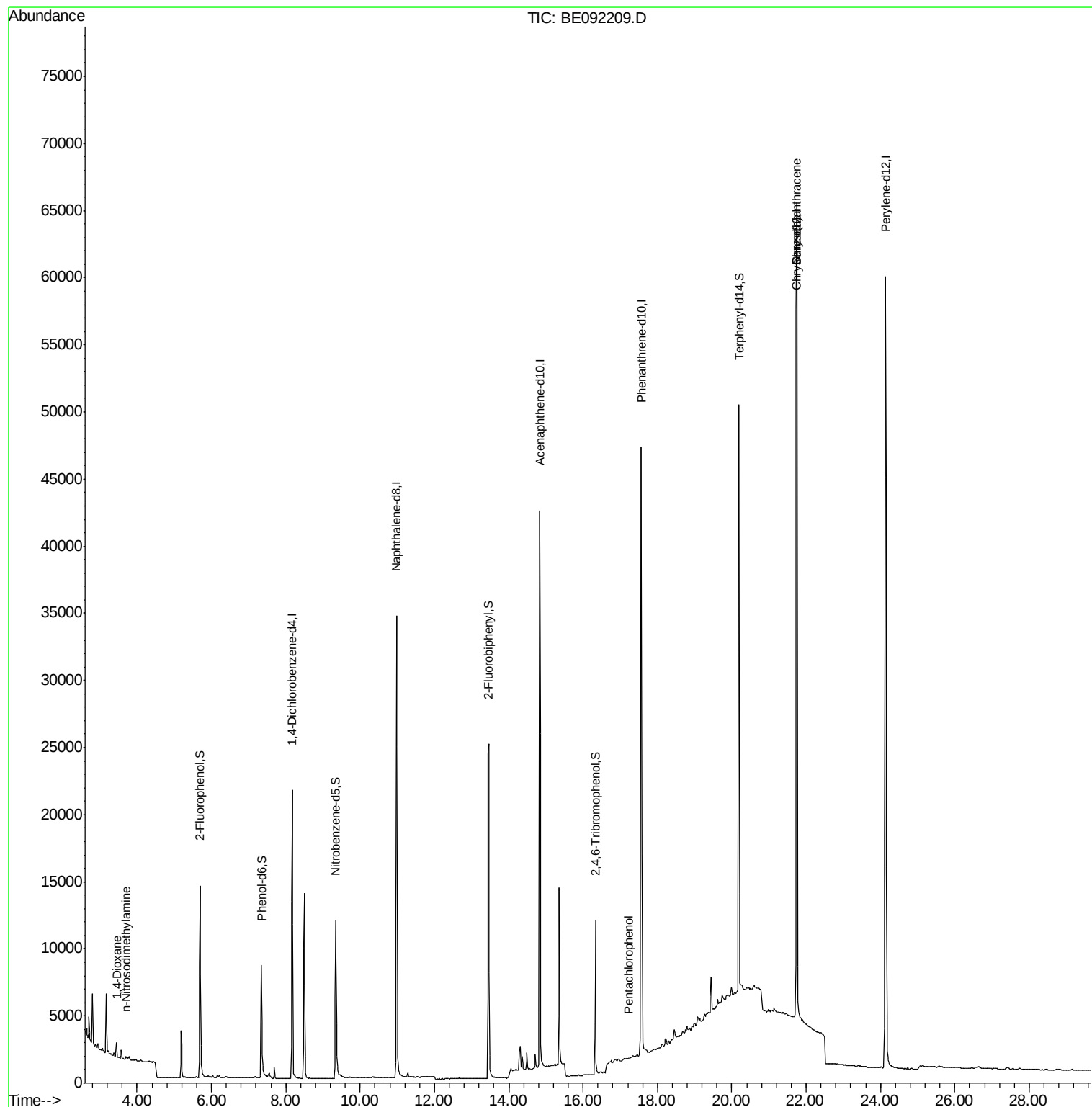
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	735	0.48	ng	# 65
3) n-Nitrosodimethylamine	3.70	42	203	0.19	ng	# 6
8) Naphthalene	11.03	128	83	Below Cal		# 1
18) Pentachlorophenol	17.24	266	15	0.20	ng	# 80
19) Phenanthrene	17.61	178	495	Below Cal		# 1
25) Benzo(a)anthracene	21.73	228	2172	0.02	ng	# 7
26) Chrysene	21.73	228	2270	0.02	ng	# 10
30) Benzo(k)fluoranthene	23.40	252	71	Below Cal		# 1

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
Data File : BE092209.D
Acq On : 5 Aug 2016 8:20
Operator : UM/SJ
Sample : H4288-22MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 05 17:16:29 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

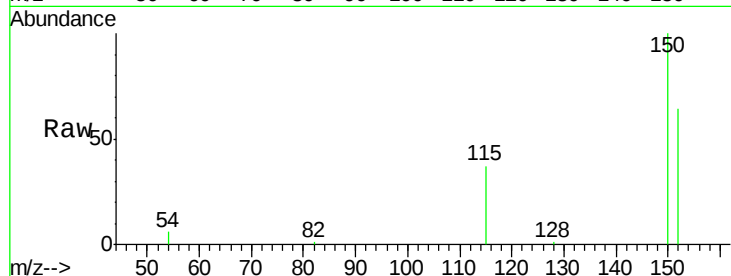
Tot Ion:152 Resp: 11143

Ion Ratio Lower Upper

152 100

150 157.2 106.0 159.0

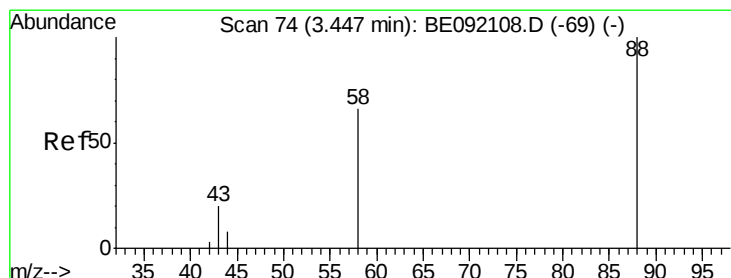
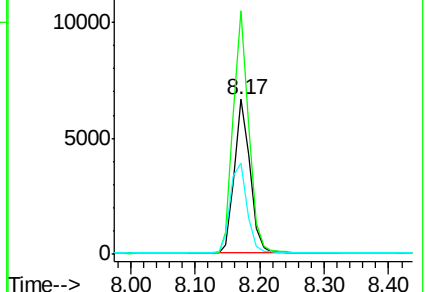
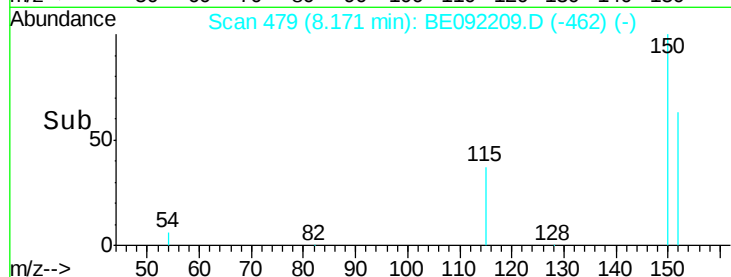
115 58.7 36.9 55.3#



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: 0.48 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

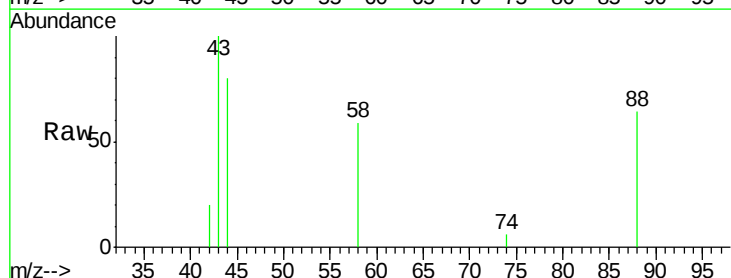
Tgt Ion: 88 Resp: 735

Ion Ratio Lower Upper

88 100

58 92.7 62.1 93.1

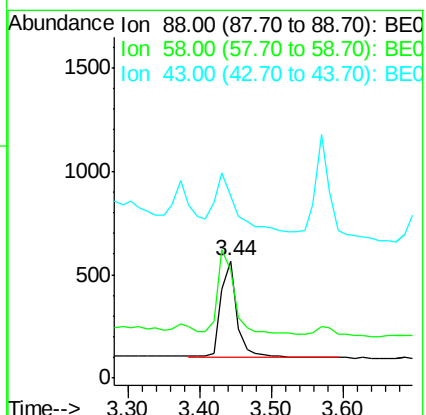
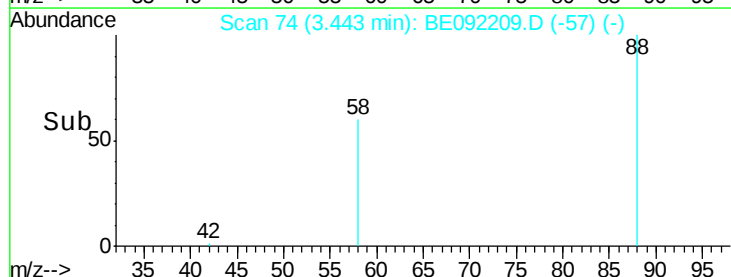
43 77.7 27.2 40.8#

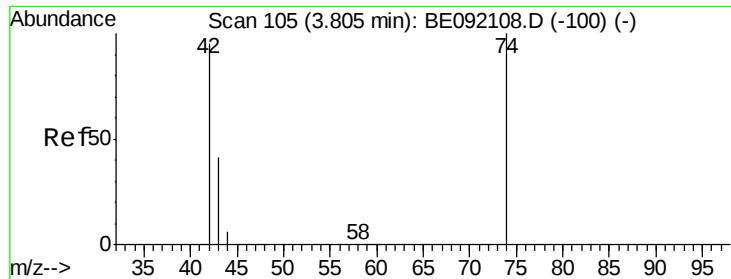


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



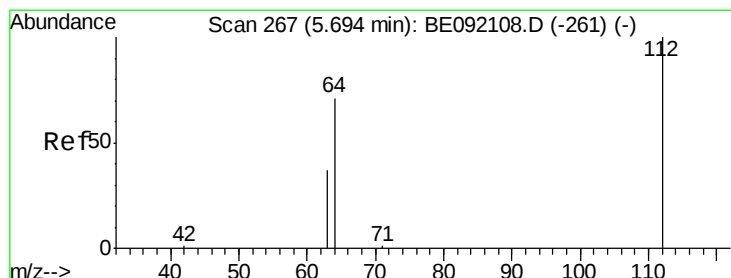
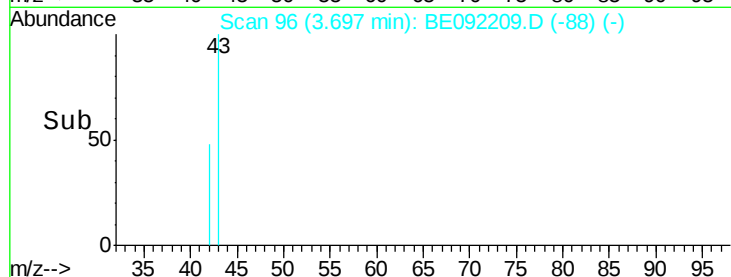
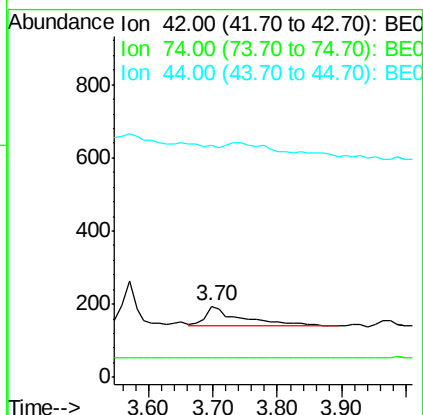
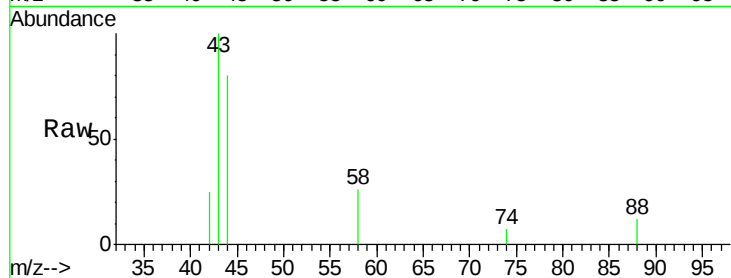


#3

n-Nitrosodimethylamine
 Concen: 0.19 ng
 RT: 3.70 min Scan# 96
 Delta R.T. -0.11 min
 Lab File: BE092209.D
 Acq: 5 Aug 2016 8:20

Instrument :
 BNA_E
 ClientSampleId :

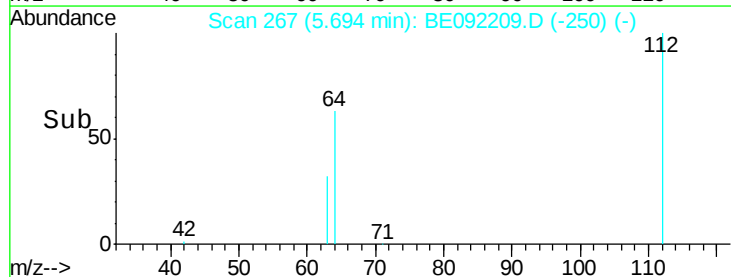
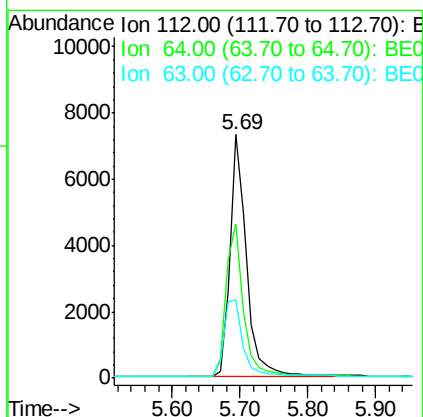
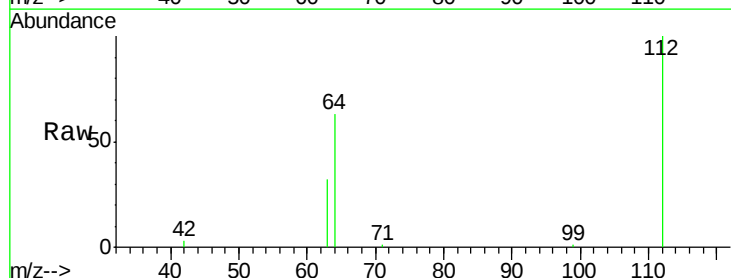
Tot Ion: 42 Resp: 203
 Ion Ratio Lower Upper
 42 100
 74 0.0 82.8 124.2#
 44 0.0 9.0 13.4#



#4

2-Fluorophenol
 Concen: 4.39 ng
 RT: 5.69 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: BE092209.D
 Acq: 5 Aug 2016 8:20

Tgt Ion: 112 Resp: 12551
 Ion Ratio Lower Upper
 112 100
 64 66.5 55.9 83.9
 63 36.2 31.1 46.7





#5

Phenol-d6

Concen: 2.93 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

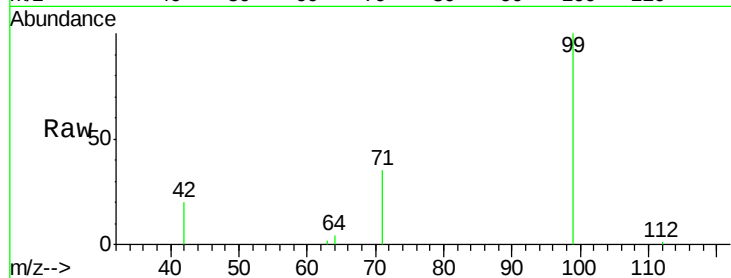
Tot Ion: 99 Resp: 11154

Ion Ratio Lower Upper

99 100

42 25.2 22.4 33.6

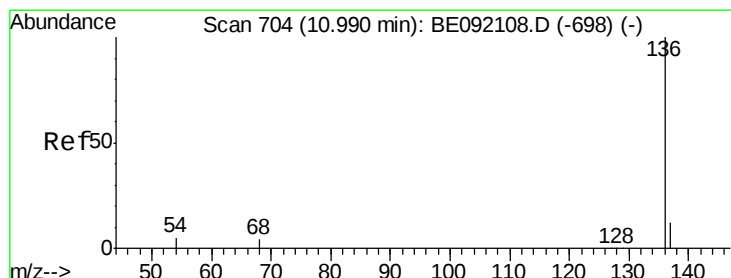
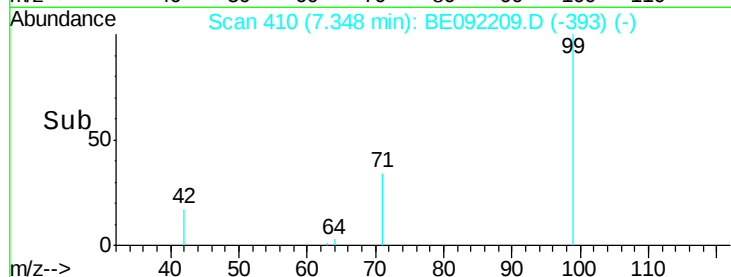
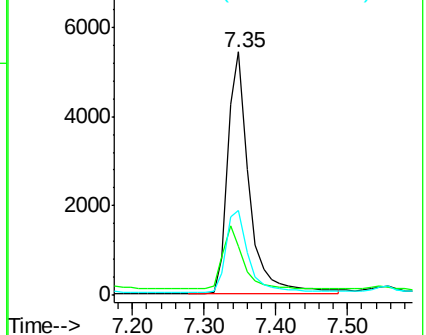
71 36.4 28.9 43.3



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: BE092209.D

Acq: 5 Aug 2016 8:20

Tgt Ion: 136 Resp: 52091

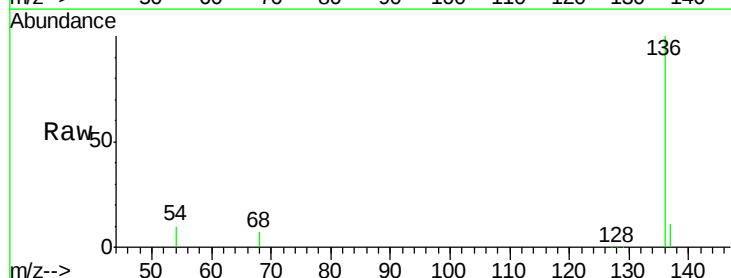
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 9.9 2.7 4.1#

68 7.1 2.2 3.4#

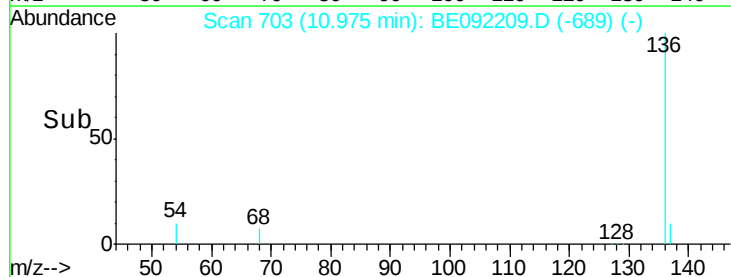
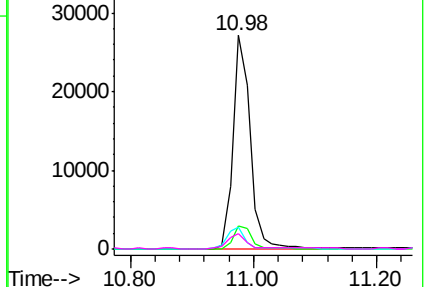


Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 3.16 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

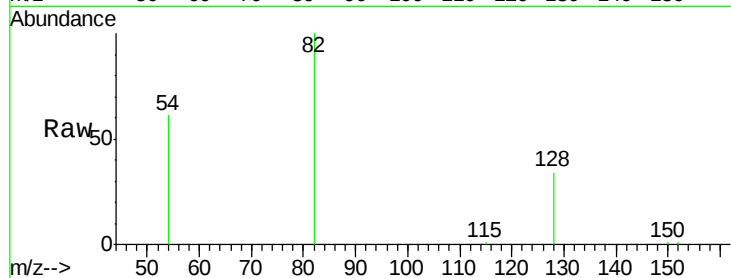
Tot Ion: 82 Resp: 12987

Ion Ratio Lower Upper

82 100

128 34.5 33.0 49.4

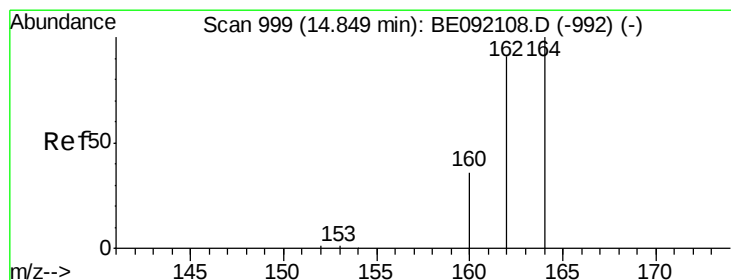
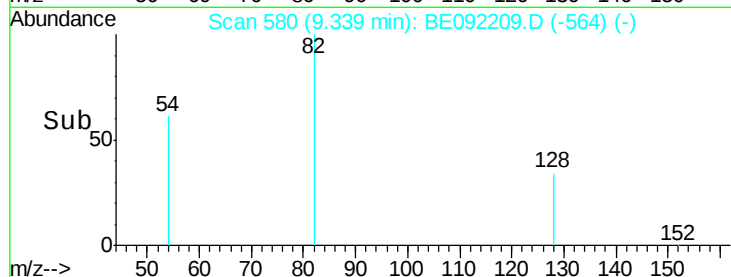
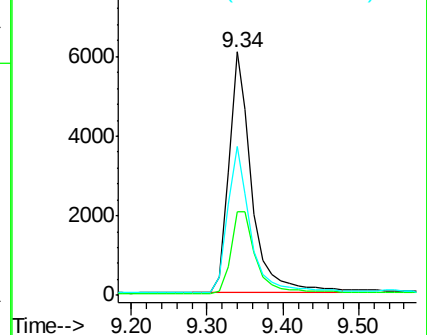
54 61.4 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

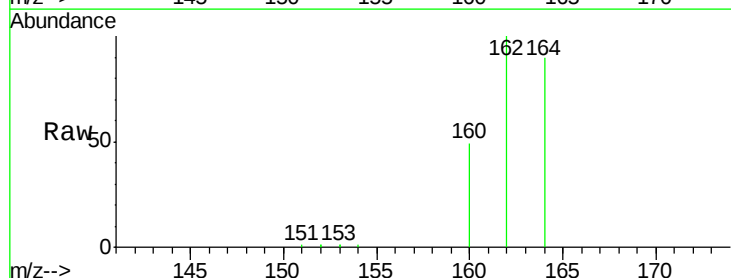
Tgt Ion: 164 Resp: 29857

Ion Ratio Lower Upper

164 100

162 111.6 69.5 104.3#

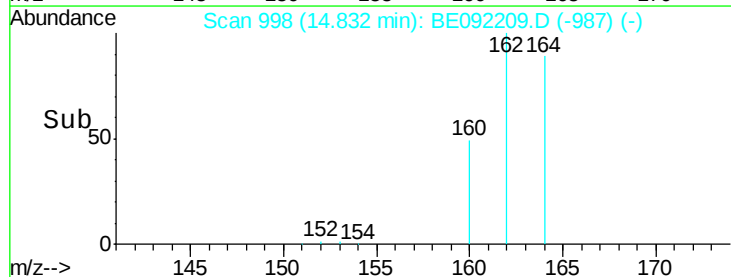
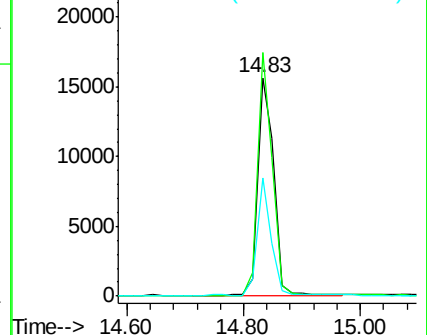
160 54.4 27.6 41.4#

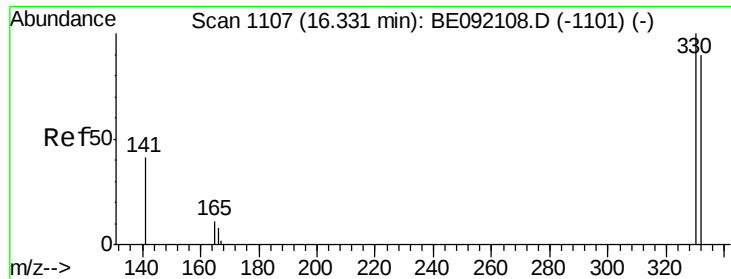


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

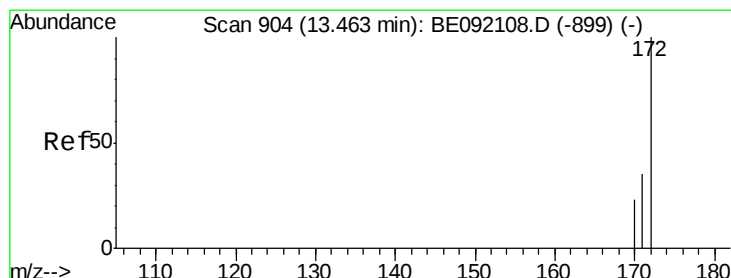
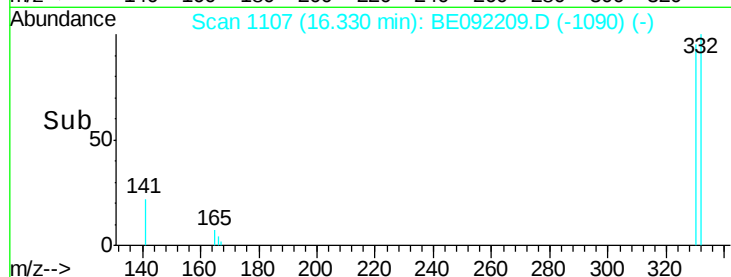
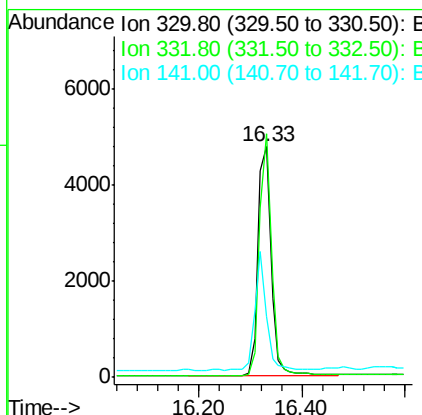
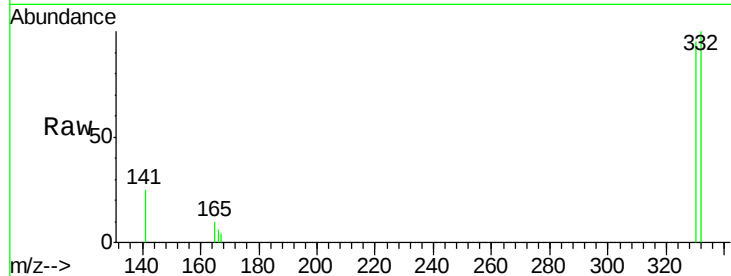




#11
 2,4,6-Tribromophenol
 Concen: 8.70 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092209.D
 Acq: 5 Aug 2016 8:20

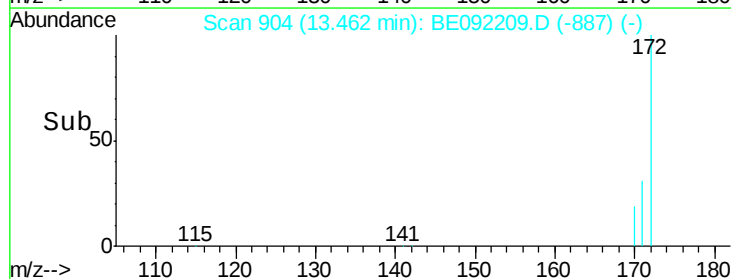
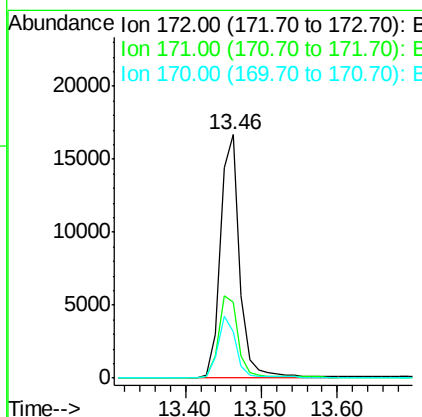
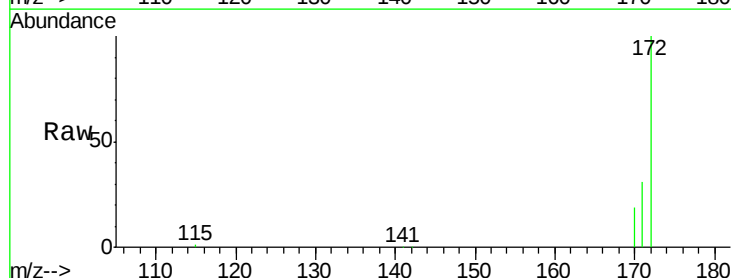
Instrument :
 BNA_E
 ClientSampleId :

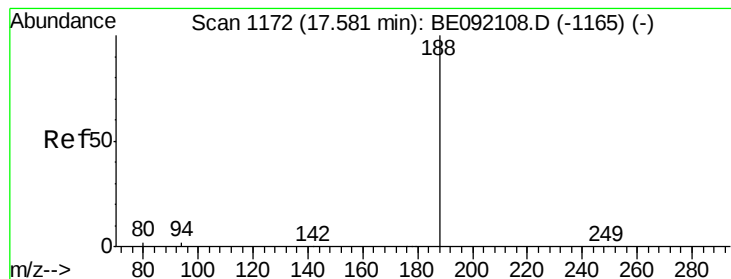
Tot Ion:330 Resp: 8433
 Ion Ratio Lower Upper
 330 100
 332 97.2 74.2 111.4
 141 44.6 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.13 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092209.D
 Acq: 5 Aug 2016 8:20

Tgt Ion:172 Resp: 29585
 Ion Ratio Lower Upper
 172 100
 171 31.1 30.3 45.5
 170 18.9 21.6 32.4#





#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

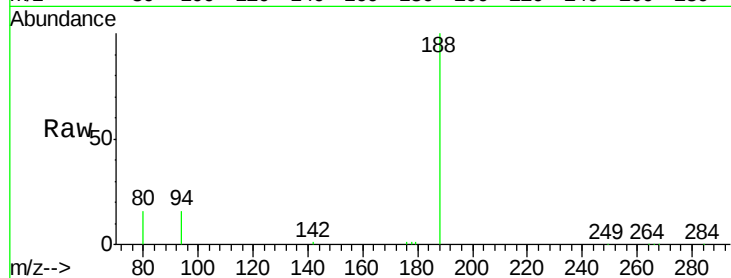
Tot Ion:188 Resp: 69983

Ion Ratio Lower Upper

188 100

94 15.7 3.9 5.9#

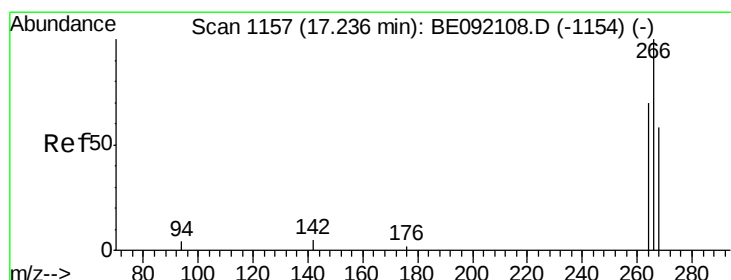
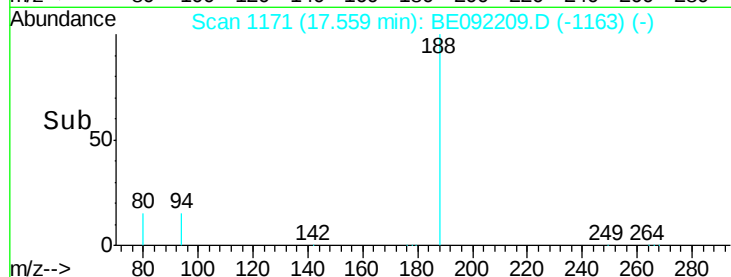
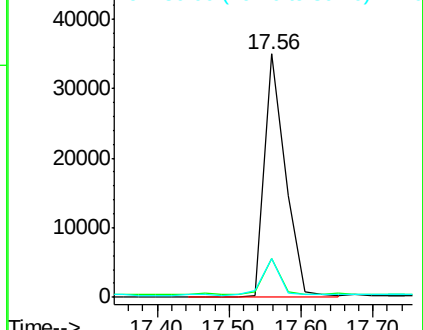
80 15.9 3.4 5.0#



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: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

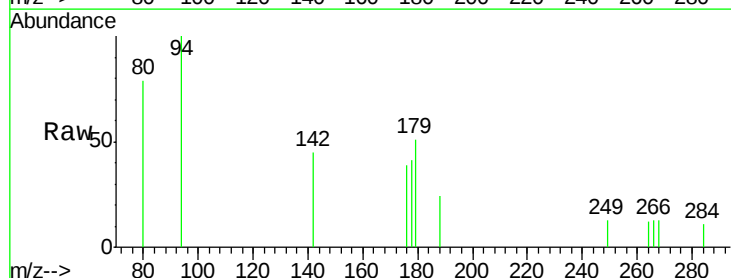
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

268 100.0 62.7 94.1#

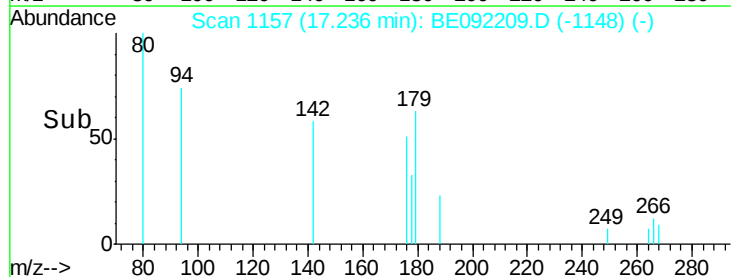
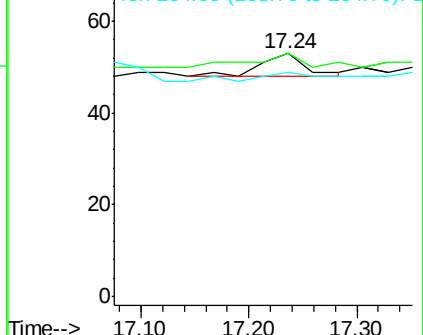
264 92.5 63.5 95.3

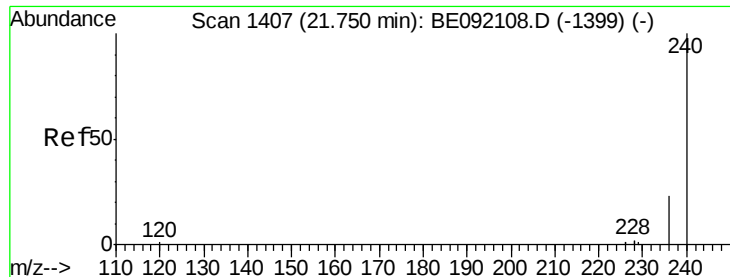


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

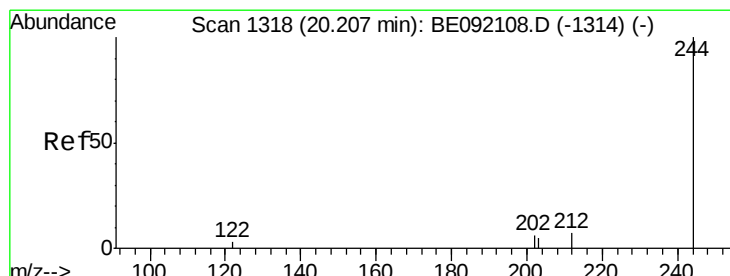
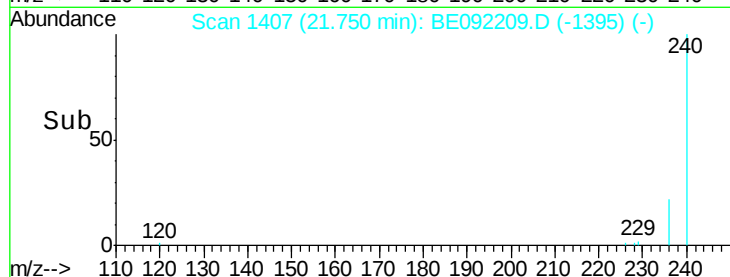
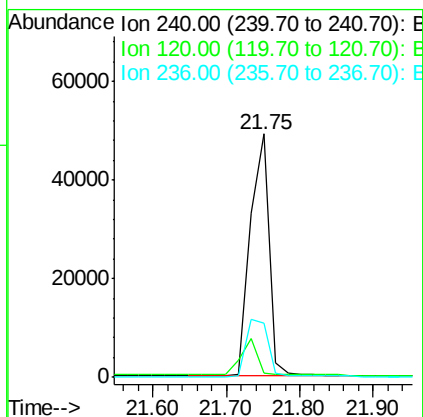
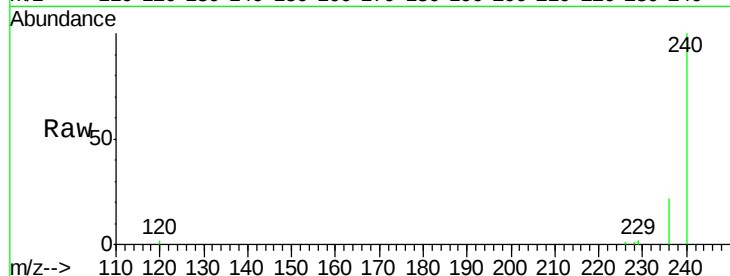




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

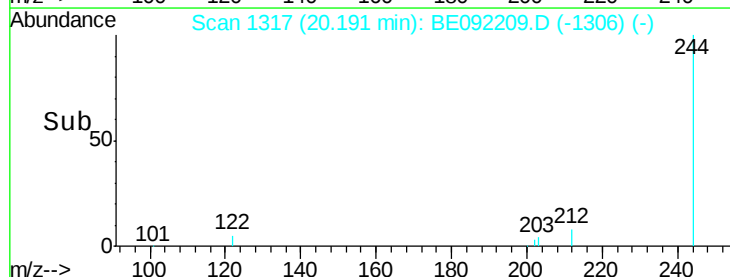
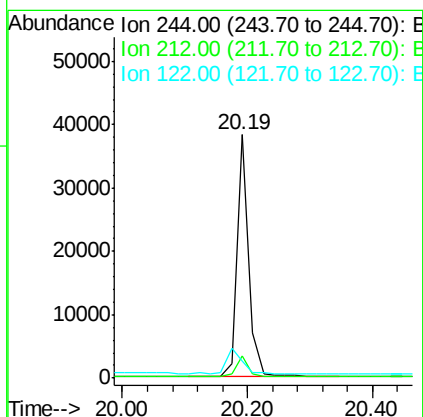
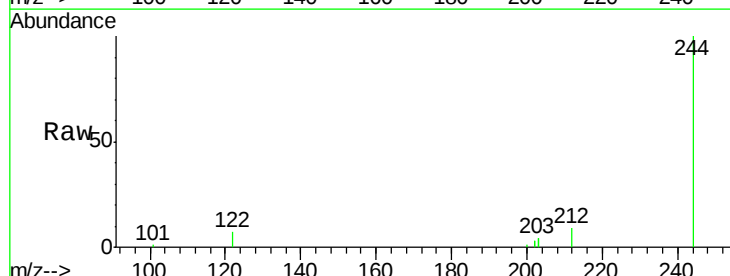
Instrument :
BNA_E
ClientSampleId :

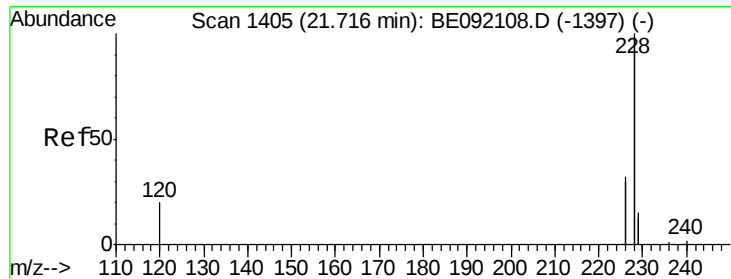
Tot Ion:240 Resp: 88237
Ion Ratio Lower Upper
240 100
120 1.9 0.6 1.0#
236 22.3 18.2 27.4



#24
Terphenyl-d14
Concen: 3.86 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

Tgt Ion:244 Resp: 48909
Ion Ratio Lower Upper
244 100
212 8.9 9.1 13.7#
122 7.1 11.0 16.4#

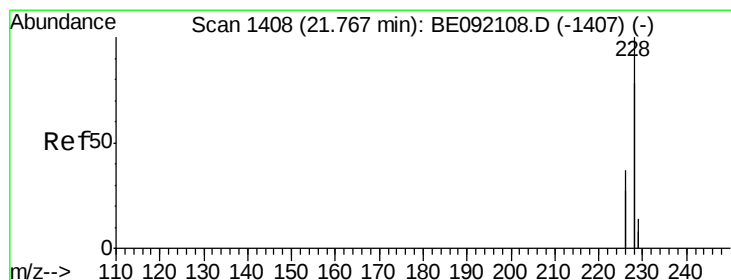
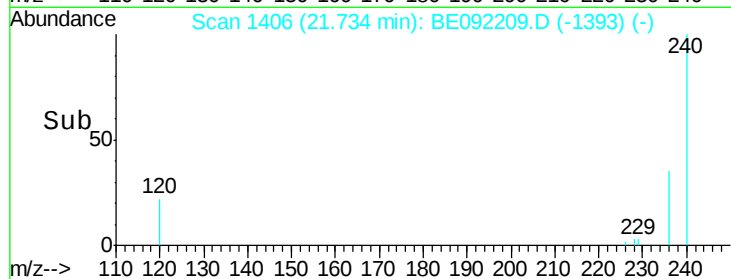
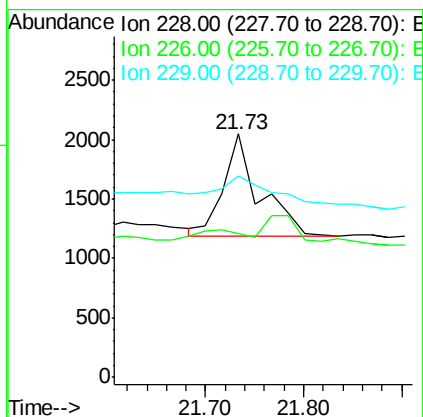
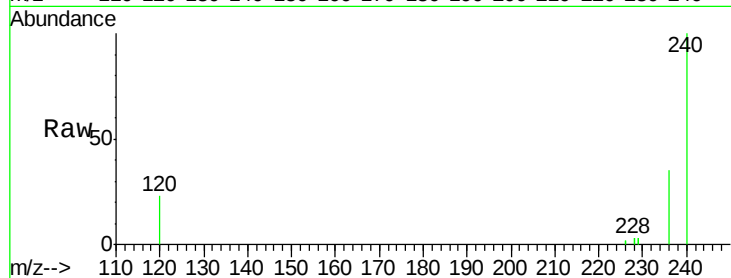




#25
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

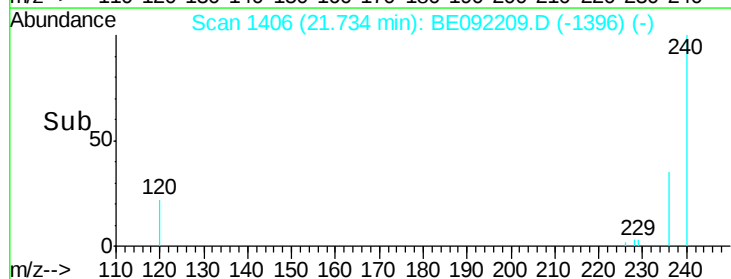
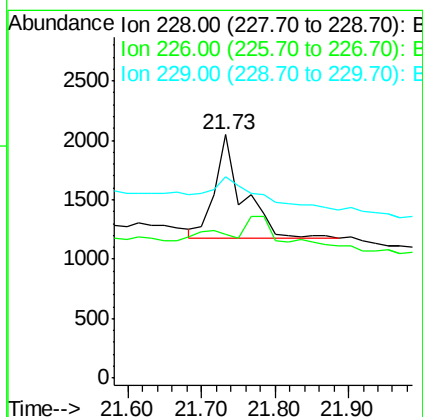
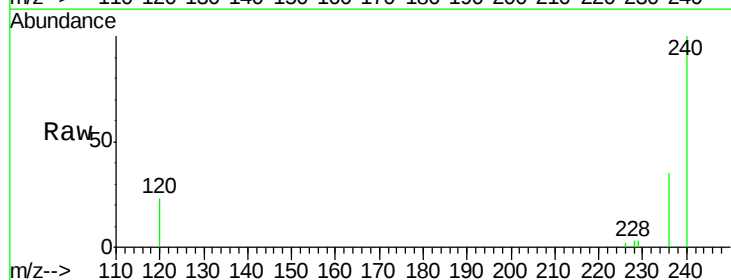
Instrument :
BNA_E
ClientSampleId :

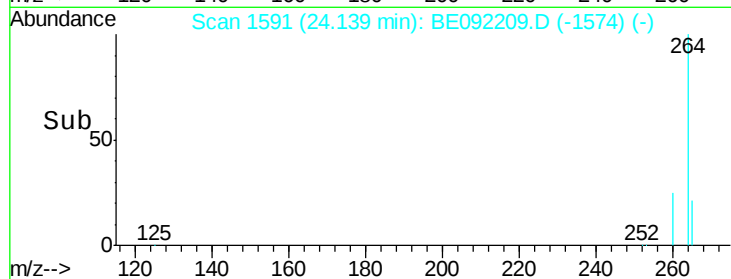
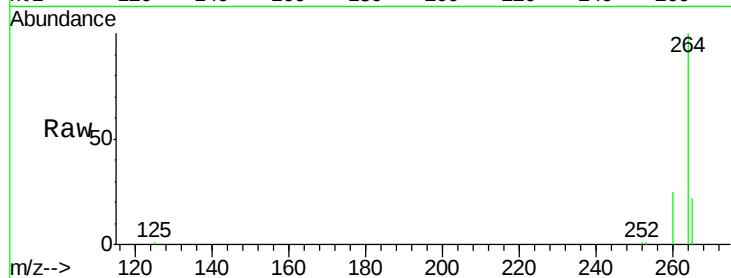
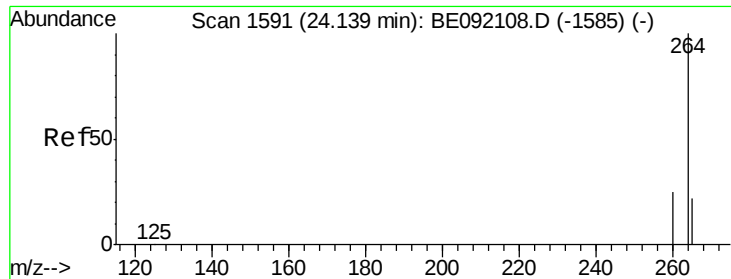
Tot Ion:228 Resp: 2172
Ion Ratio Lower Upper
228 100
226 59.1 22.1 33.1#
229 82.7 15.1 22.7#



#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

Tgt Ion:228 Resp: 2270
Ion Ratio Lower Upper
228 100
226 59.1 22.3 33.5#
229 82.7 16.9 25.3#





#28

Pervlene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 89125

Ion Ratio Lower Upper

264 100

260 25.4 20.8 31.2

265 21.6 16.6 25.0

