

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092174.D
 Acq On : 4 Aug 2016 9:21
 Operator : UM/SJ
 Sample : H4221-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-03072516

Quant Time: Aug 04 14:10:21 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

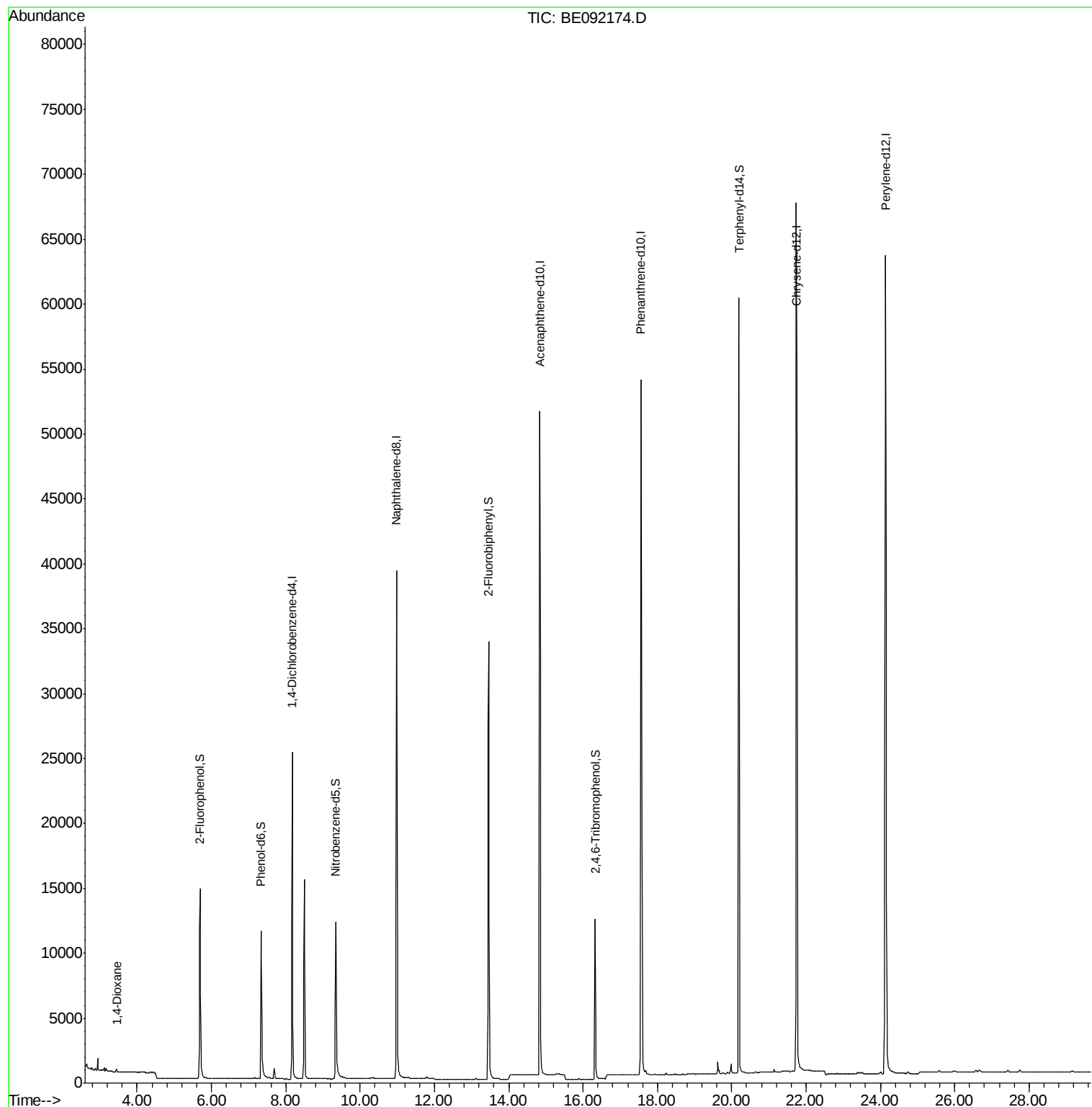
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13217	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	62803	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	36136	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	83358	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	95564	5.00	ng	0.00
28) Perylene-d12	24.14	264	94299	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	13365	3.94	ng	0.00
5) Phenol-d6	7.34	99	14361	3.18	ng	-0.01
7) Nitrobenzene-d5	9.34	82	14711	2.97	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	9041	7.70	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	37022	3.23	ng	0.00
24) Terphenyl-d14	20.19	244	67734	4.94	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	210	0.12	ng	Qvalue # 85

(#) = 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: BE092174.D

Acq: 4 Aug 2016 9:21

Instrument :

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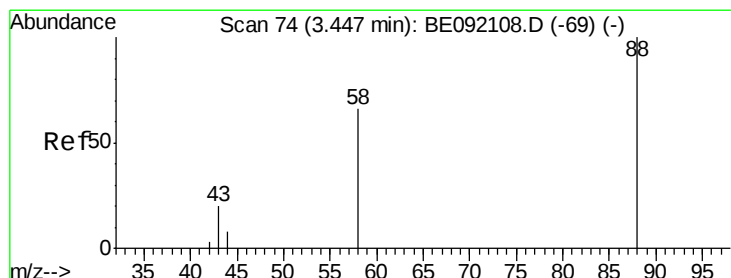
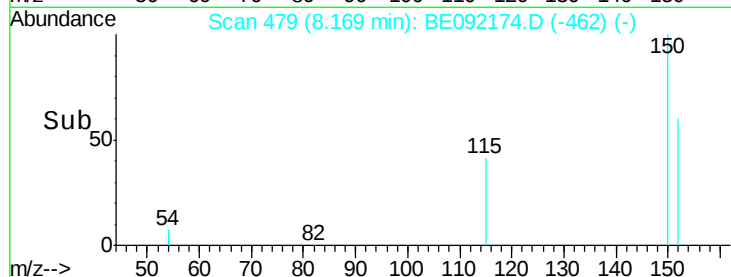
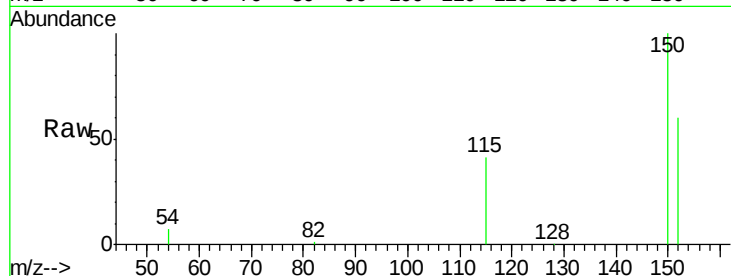
Tgt Ion:152 Resp: 13217

Ion Ratio Lower Upper

152 100

150 165.9 106.0 159.0#

115 68.3 36.9 55.3#



#2

1,4-Dioxane

Concen: 0.12 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092174.D

Acq: 4 Aug 2016 9:21

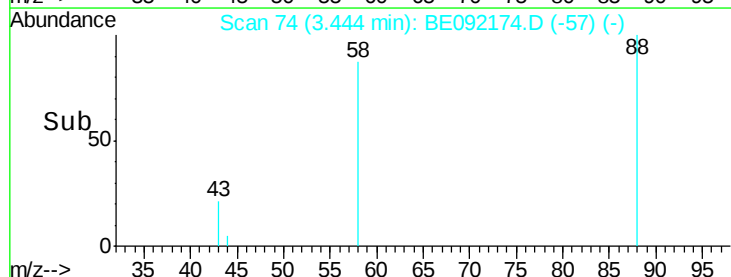
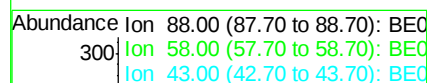
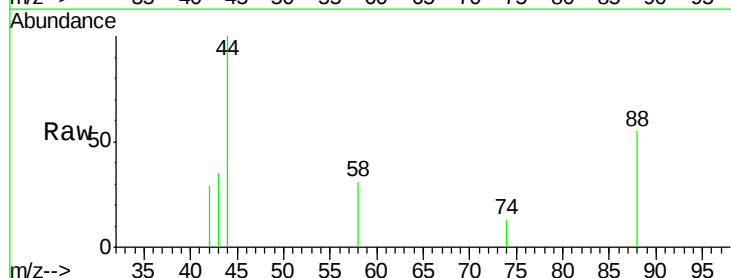
Tgt Ion: 88 Resp: 210

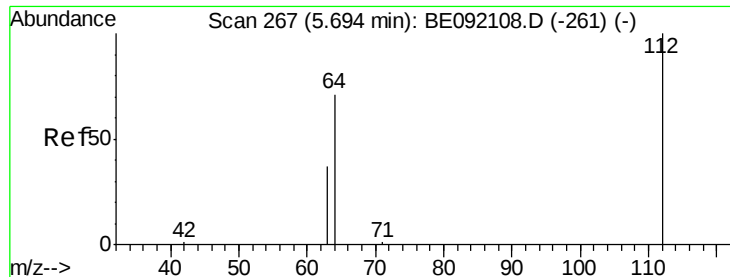
Ion Ratio Lower Upper

88 100

58 67.6 62.1 93.1

43 46.7 27.2 40.8#





#4

2-Fluorophenol

Concen: 3.94 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092174.D

Acq: 4 Aug 2016 9:21

Instrument :

BNA_E

ClientSampleId :

DUP-03072516

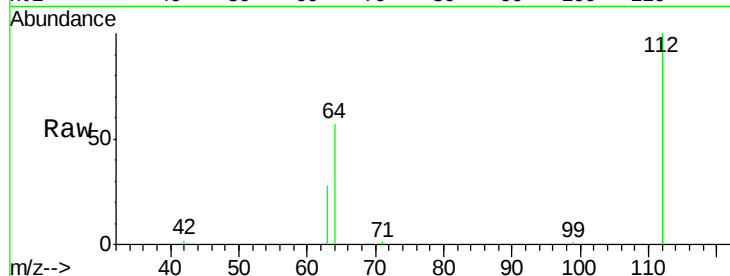
Tgt Ion: 112 Resp: 13365

Ion Ratio Lower Upper

112 100

64 67.5 55.9 83.9

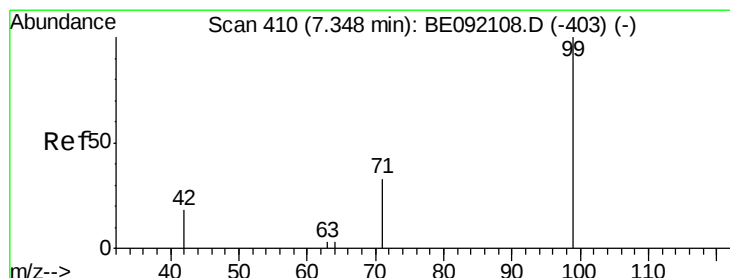
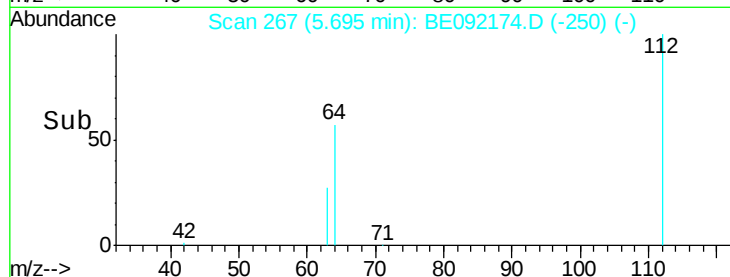
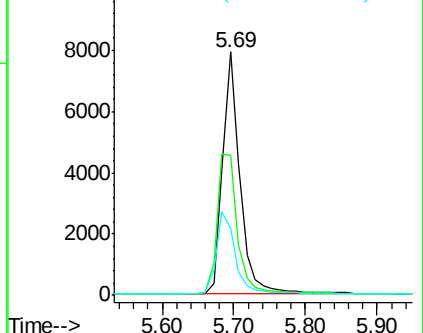
63 36.3 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 3.18 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092174.D

Acq: 4 Aug 2016 9:21

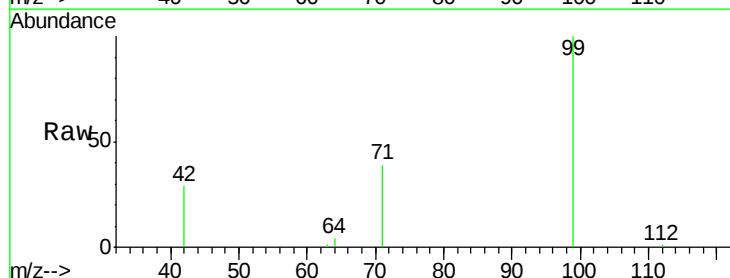
Tgt Ion: 99 Resp: 14361

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

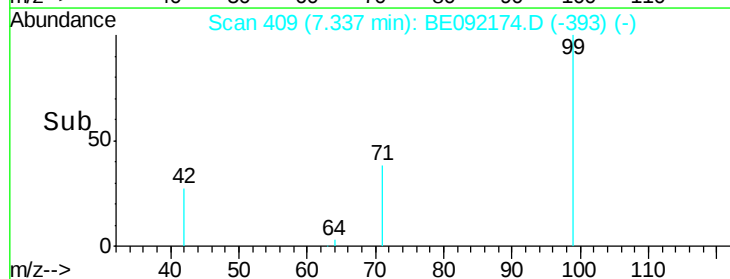
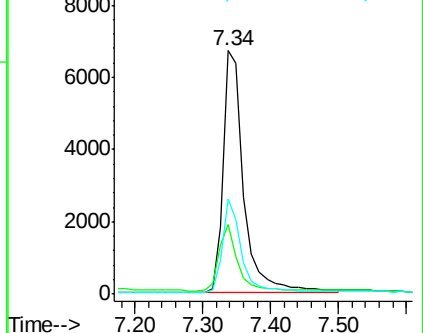
71 35.6 28.9 43.3

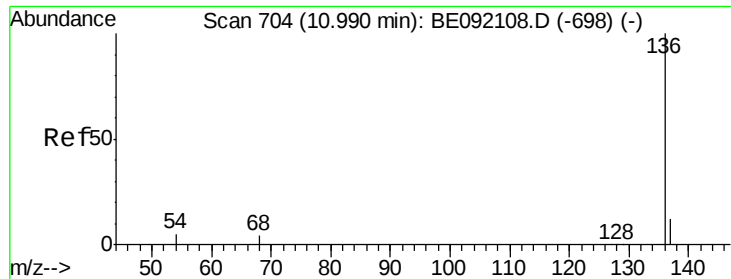


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

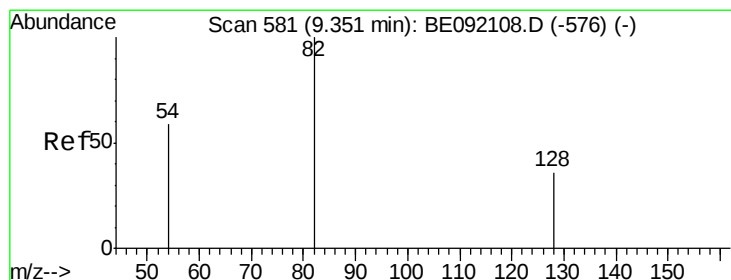
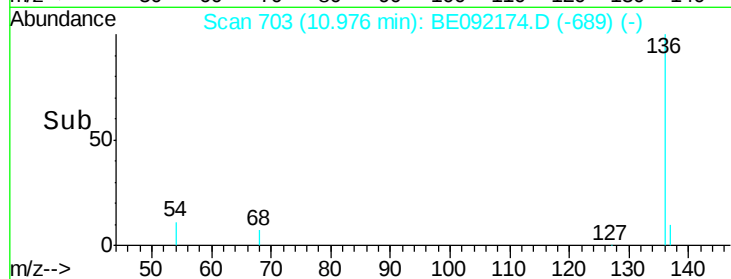
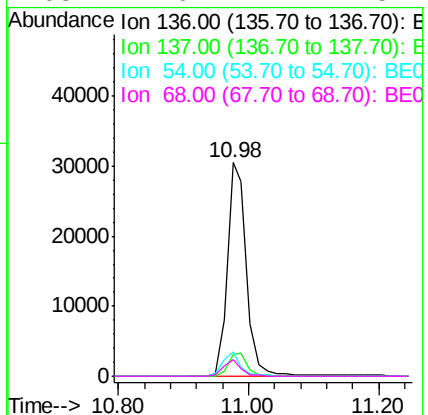
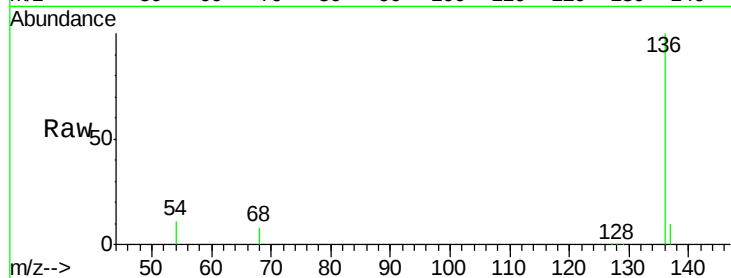




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092174.D
Acq: 4 Aug 2016 9:21

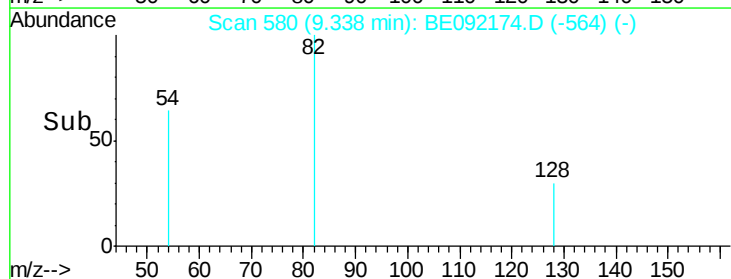
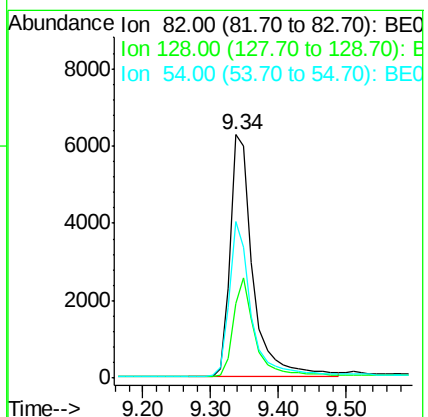
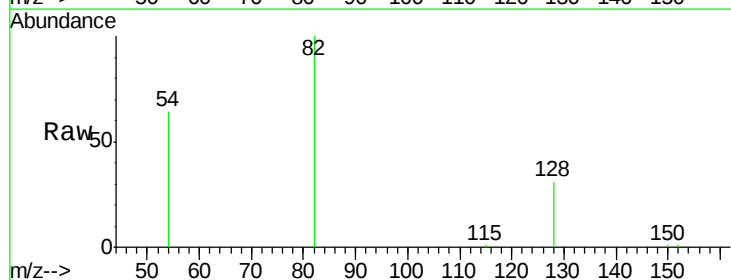
Instrument :
BNA_E
ClientSampleId :
DUP-03072516

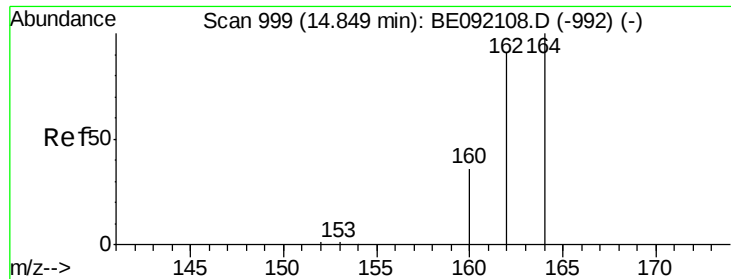
Tgt Ion: 136 Resp: 62803
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 11.2 2.7 4.1#
68 7.6 2.2 3.4#



#7
Nitrobenzene-d5
Concen: 2.97 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092174.D
Acq: 4 Aug 2016 9:21

Tgt Ion: 82 Resp: 14711
Ion Ratio Lower Upper
82 100
128 30.8 33.0 49.4#
54 64.4 42.6 63.8#





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092174.D

Acq: 4 Aug 2016 9:21

Instrument :

BNA_E

ClientSampleId :

DUP-03072516

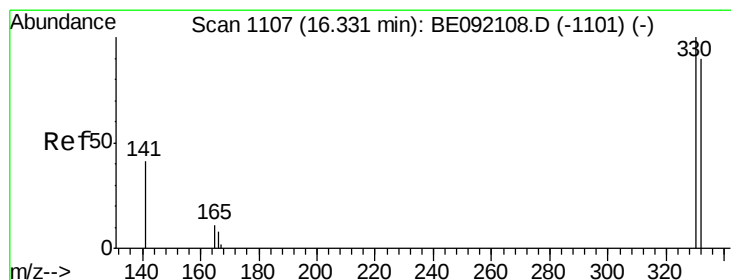
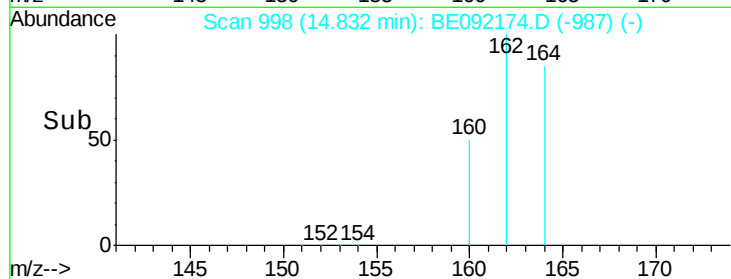
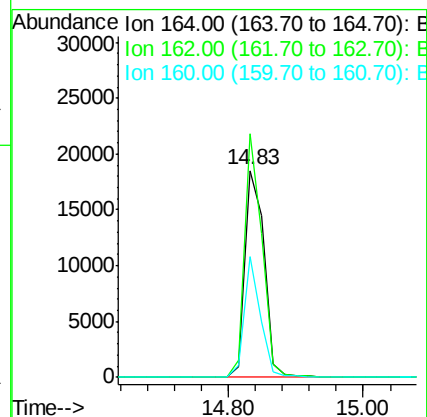
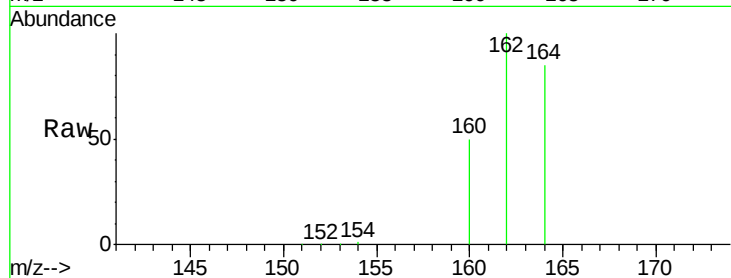
Tgt Ion:164 Resp: 36136

Ion Ratio Lower Upper

164 100

162 117.8 69.5 104.3#

160 58.5 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 7.70 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092174.D

Acq: 4 Aug 2016 9:21

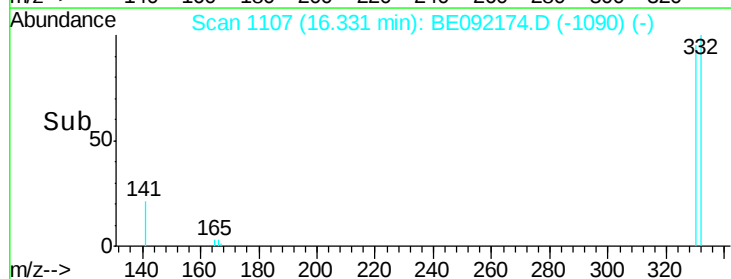
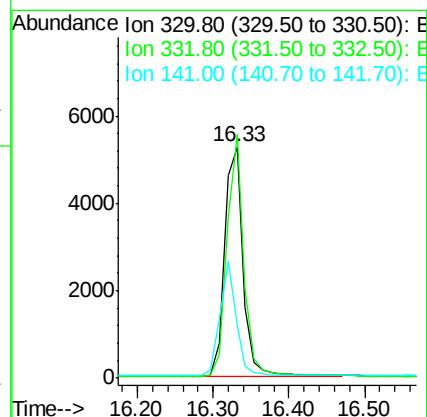
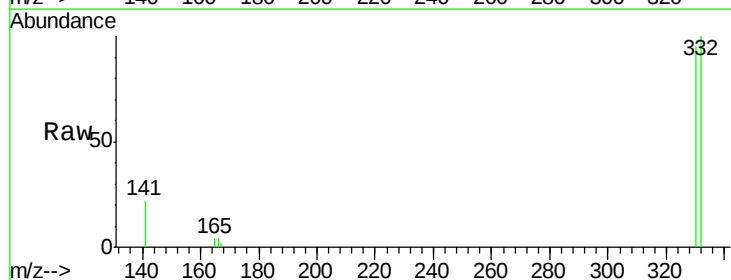
Tgt Ion:330 Resp: 9041

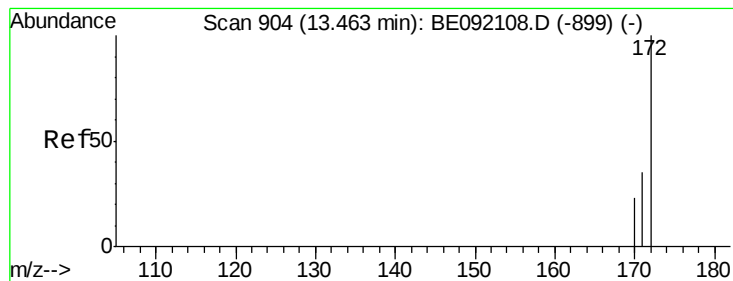
Ion Ratio Lower Upper

330 100

332 96.5 74.2 111.4

141 43.4 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 3.23 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092174.D

Acq: 4 Aug 2016 9:21

Instrument :

BNA_E

ClientSampleId :

DUP-03072516

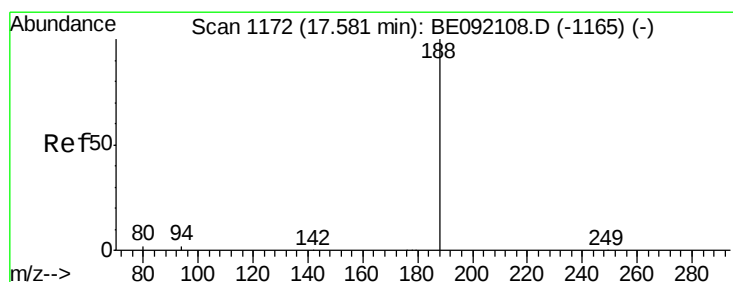
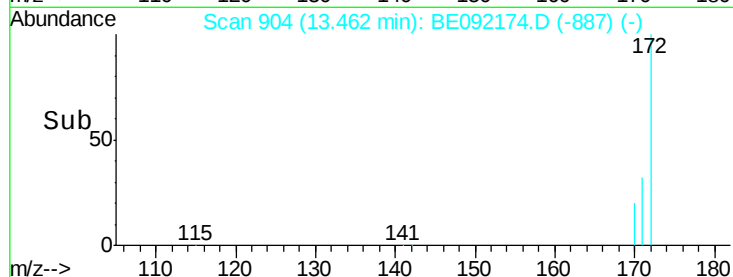
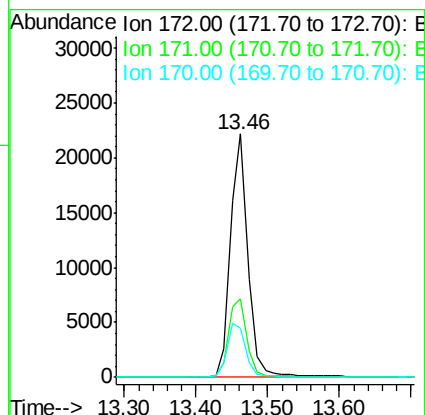
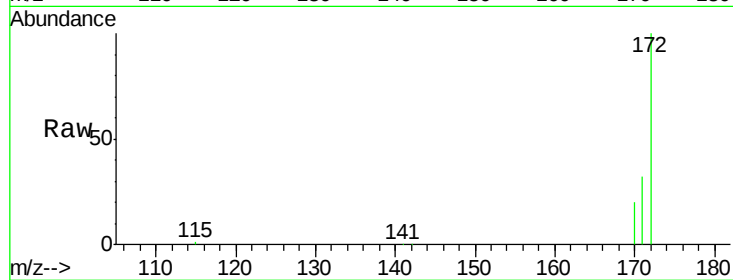
Tgt Ion:172 Resp: 37022

Ion Ratio Lower Upper

172 100

171 32.3 30.3 45.5

170 20.1 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: BE092174.D

Acq: 4 Aug 2016 9:21

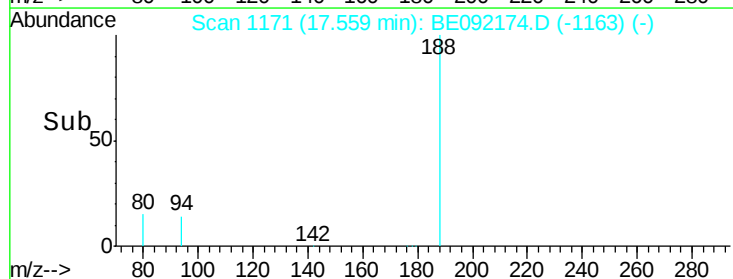
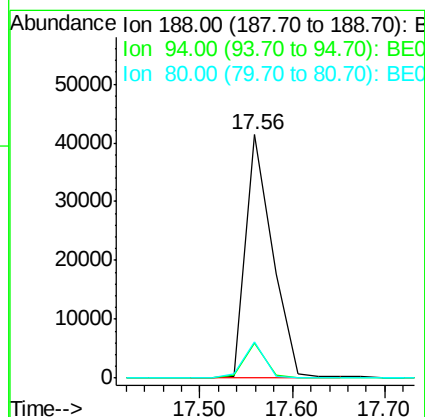
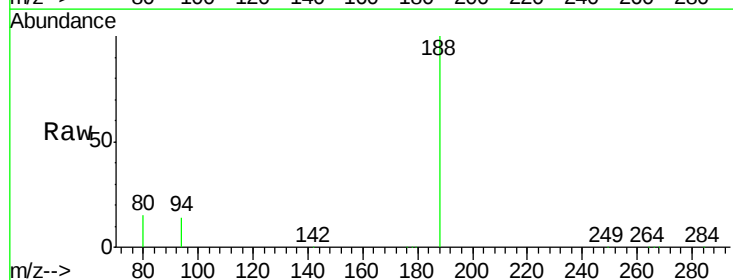
Tgt Ion:188 Resp: 83358

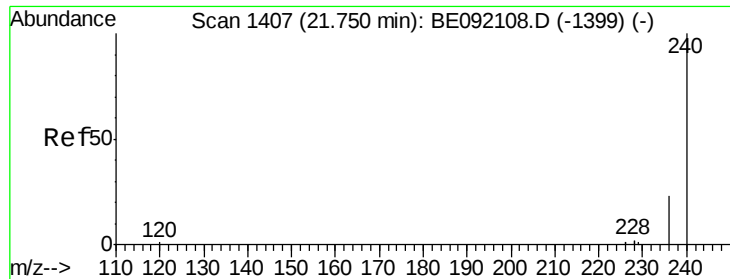
Ion Ratio Lower Upper

188 100

94 14.5 3.9 5.9#

80 14.9 3.4 5.0#

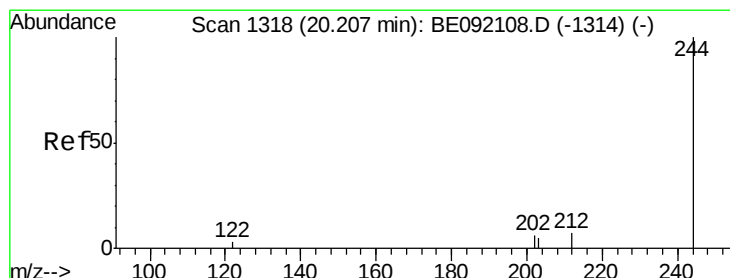
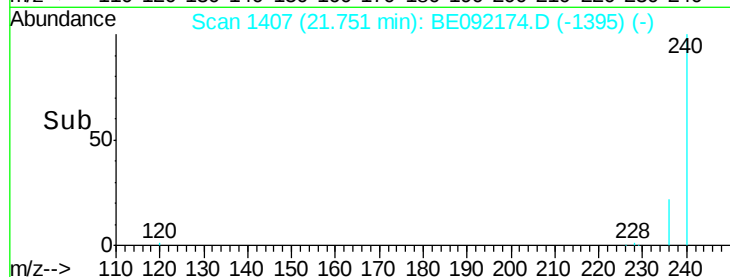
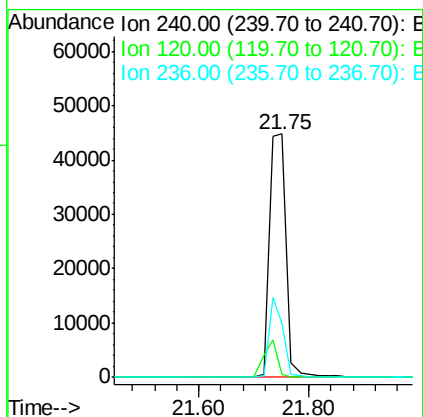
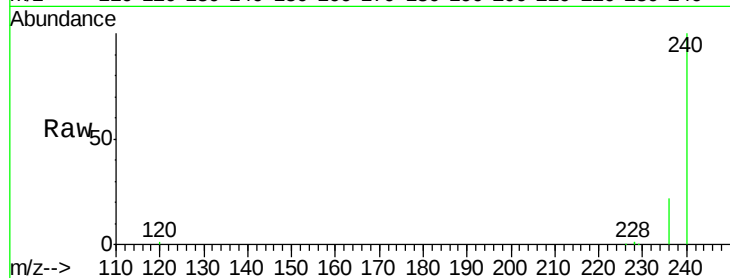




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092174.D
Acq: 4 Aug 2016 9:21

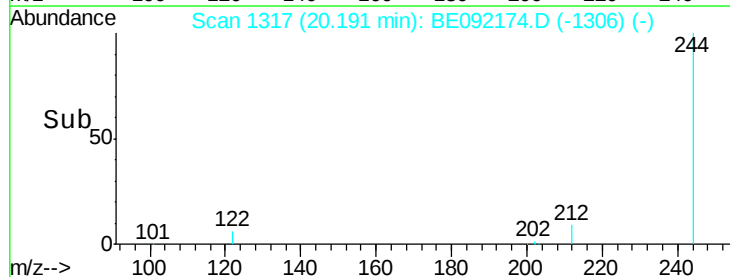
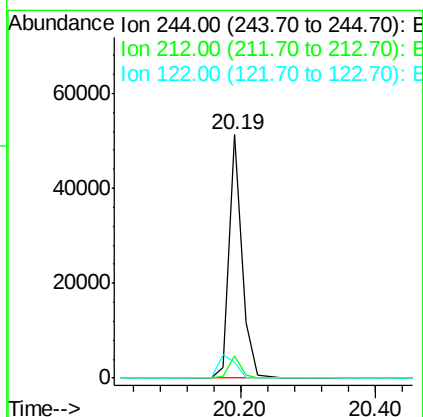
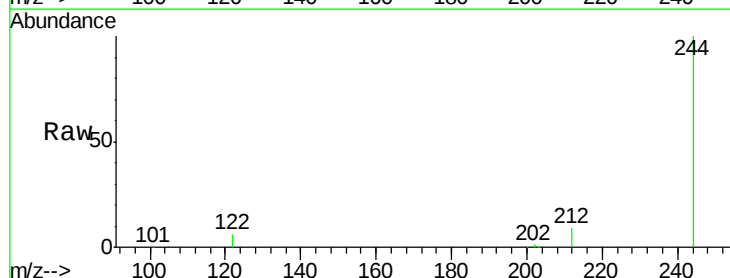
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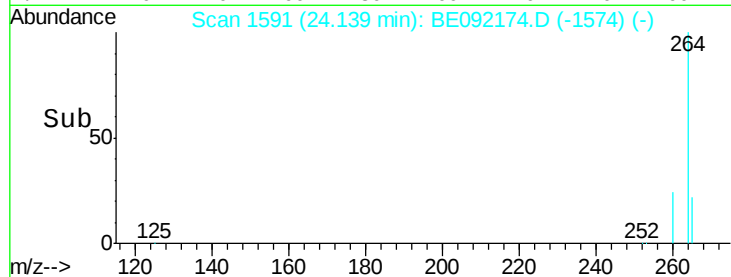
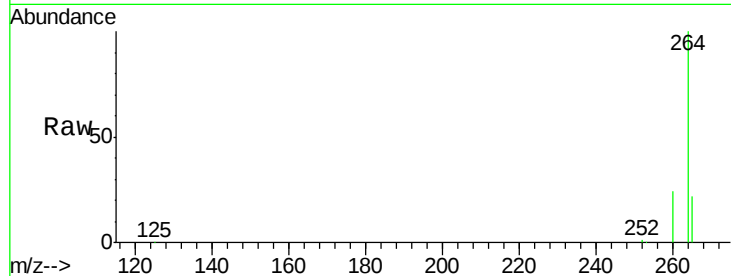
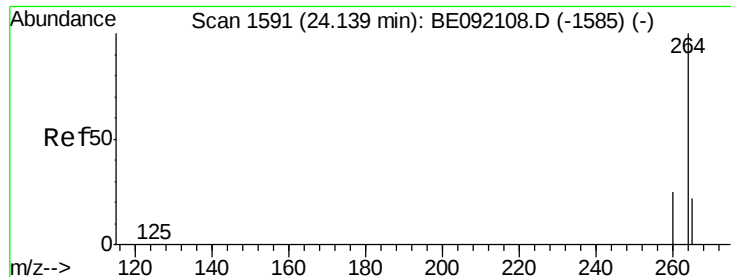
Tgt Ion:240 Resp: 95564
Ion Ratio Lower Upper
240 100
120 1.1 0.6 1.0#
236 22.4 18.2 27.4



#24
Terphenyl-d14
Concen: 4.94 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092174.D
Acq: 4 Aug 2016 9:21

Tgt Ion:244 Resp: 67734
Ion Ratio Lower Upper
244 100
212 8.9 9.1 13.7#
122 6.4 11.0 16.4#





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092174.D

Acq: 4 Aug 2016 9:21

Instrument :

BNA_E

ClientSampleId :

DUP-03072516

Tgt Ion:264 Resp: 94299

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.1 16.6 25.0

