

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092173.D
 Acq On : 4 Aug 2016 8:42
 Operator : UM/SJ
 Sample : H4221-18
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-48-7.7-15.0

Quant Time: Aug 04 14:04:56 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

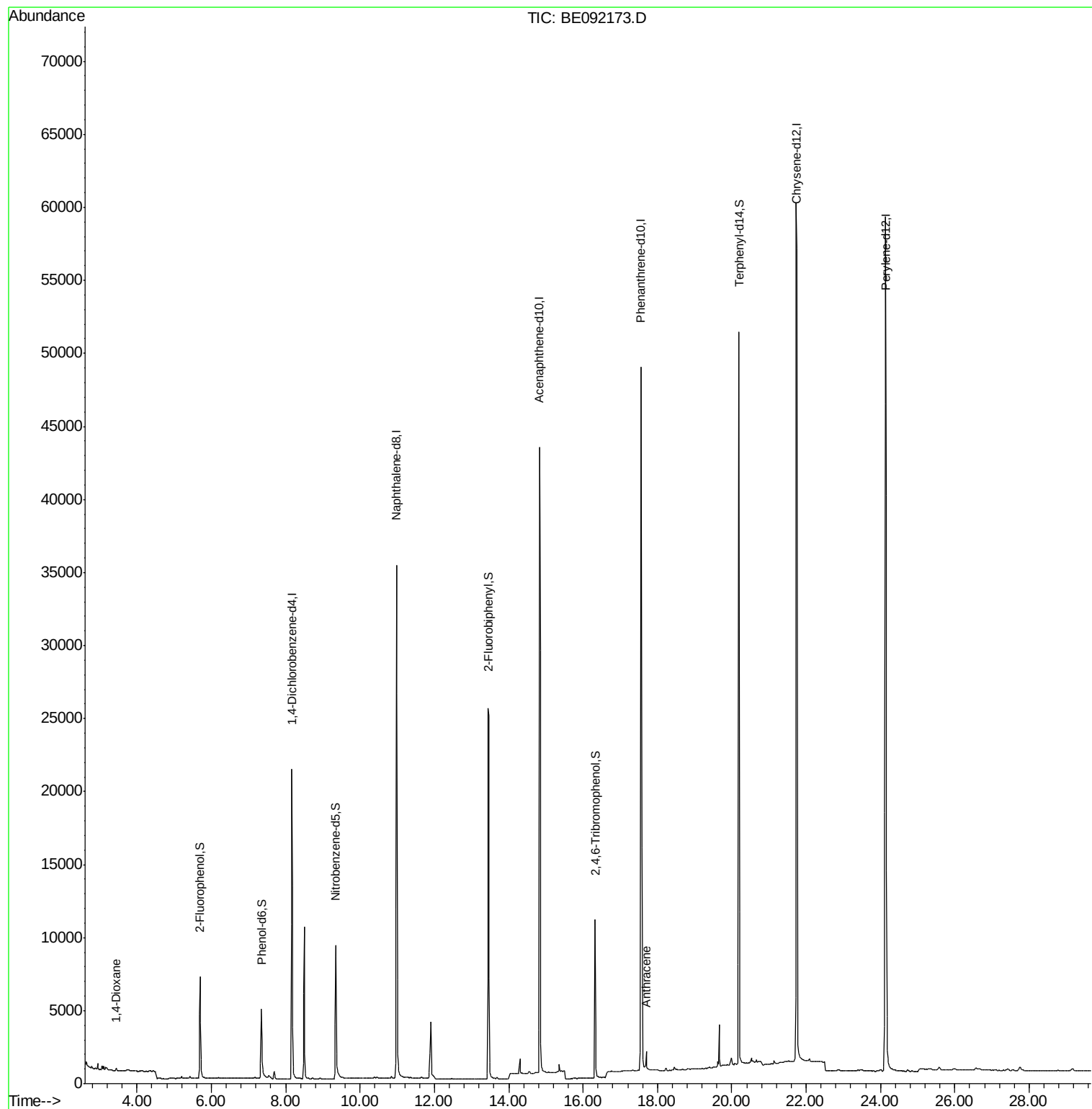
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10902	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	53902	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	31248	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	72856	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	88723	5.00	ng	0.00
28) Perylene-d12	24.14	264	88415	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	6361	2.27	ng	0.00
5) Phenol-d6	7.35	99	6600	1.77	ng	0.00
7) Nitrobenzene-d5	9.34	82	10773	2.53	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7990	7.87	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29481	2.98	ng	0.00
24) Terphenyl-d14	20.19	244	57214	4.49	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	171	0.12	ng	Qvalue # 75
20) Anthracene	17.70	178	1652	0.09	ng	99

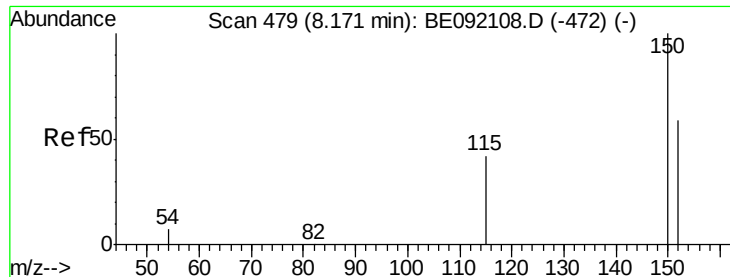
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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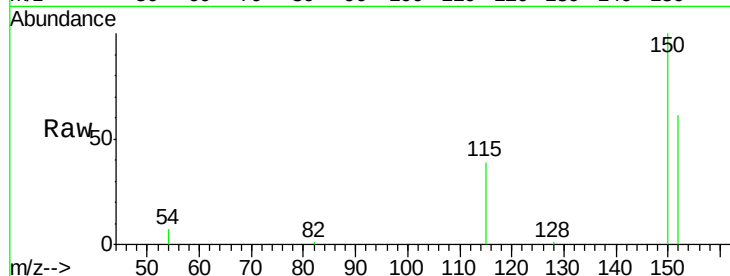




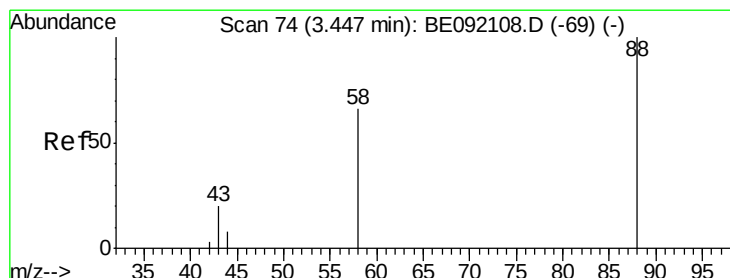
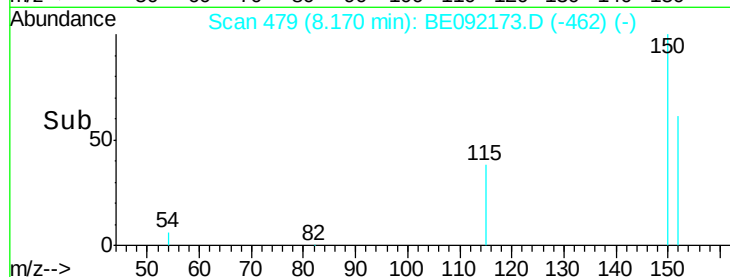
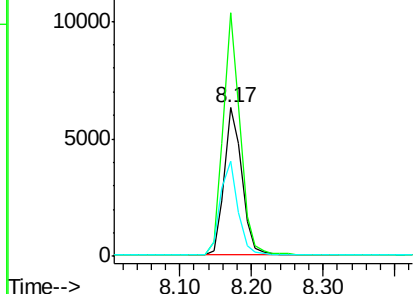
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE092173.D
 Acq: 4 Aug 2016 8:42

Instrument :
 BNA_E
 ClientSampleId :
 GW-48-7.7-15.0

Tgt Ion: 152 Resp: 10902
 Ion Ratio Lower Upper
 152 100
 150 163.9 106.0 159.0#
 115 63.7 36.9 55.3#

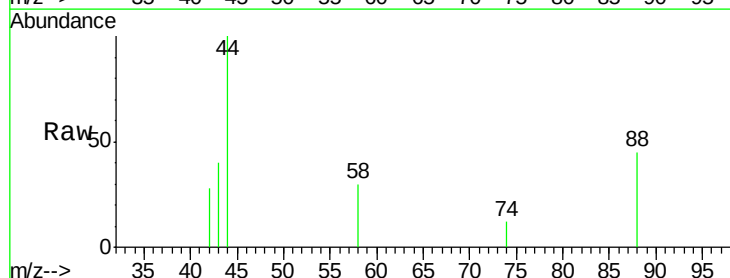


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

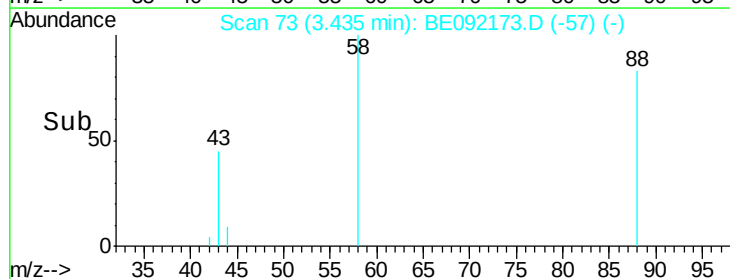
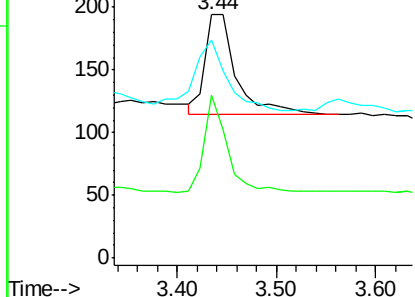


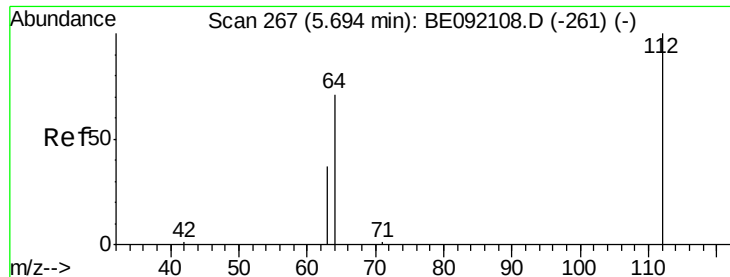
#2
 1,4-Dioxane
 Concen: 0.12 ng
 RT: 3.44 min Scan# 73
 Delta R.T. -0.01 min
 Lab File: BE092173.D
 Acq: 4 Aug 2016 8:42

Tgt Ion: 88 Resp: 171
 Ion Ratio Lower Upper
 88 100
 58 76.0 62.1 93.1
 43 77.8 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





#4

2-Fluorophenol

Concen: 2.27 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092173.D

Acq: 4 Aug 2016 8:42

Instrument :

BNA_E

ClientSampleId :

GW-48-7.7-15.0

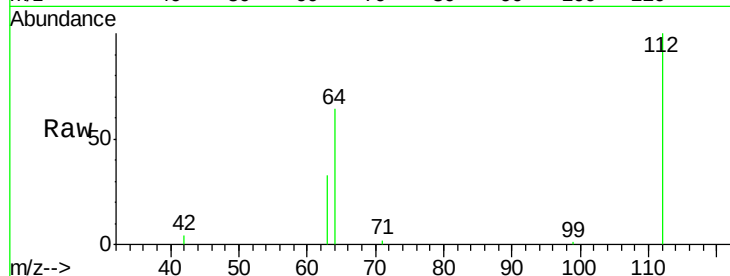
Tgt Ion: 112 Resp: 6361

Ion Ratio Lower Upper

112 100

64 67.2 55.9 83.9

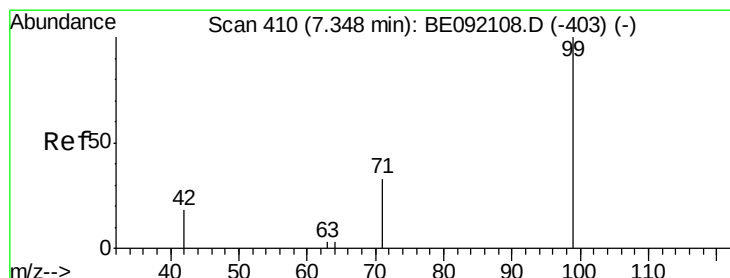
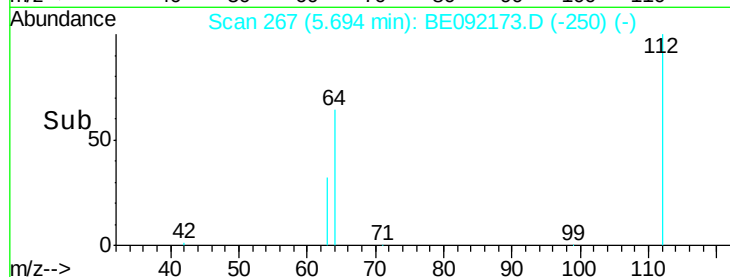
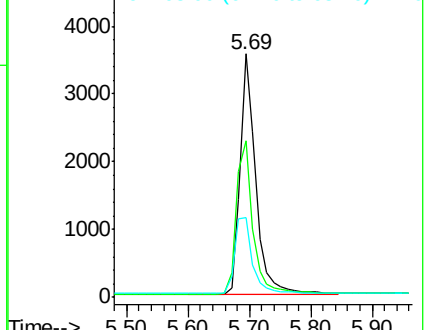
63 36.2 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE092108.D (-261) (-)

Ion 64.00 (63.70 to 64.70): BE092108.D (-261) (-)

Ion 63.00 (62.70 to 63.70): BE092108.D (-261) (-)



#5

Phenol-d6

Concen: 1.77 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092173.D

Acq: 4 Aug 2016 8:42

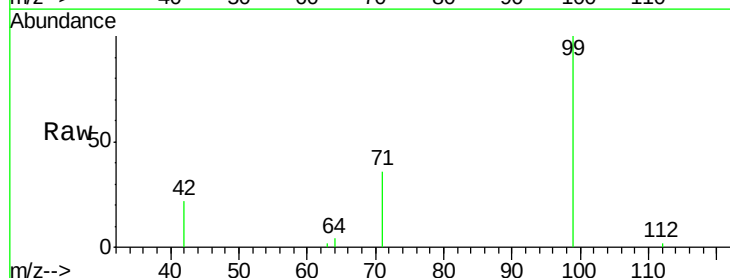
Tgt Ion: 99 Resp: 6600

Ion Ratio Lower Upper

99 100

42 23.5 22.4 33.6

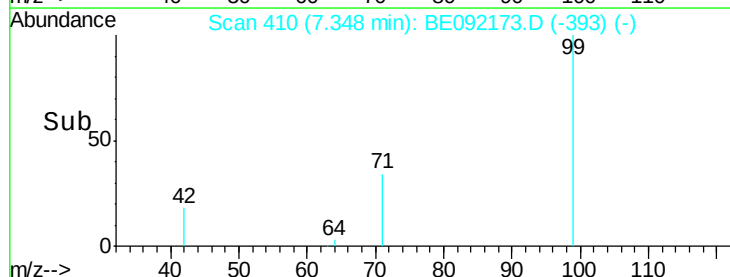
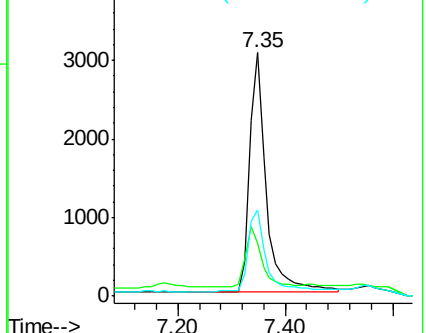
71 36.6 28.9 43.3

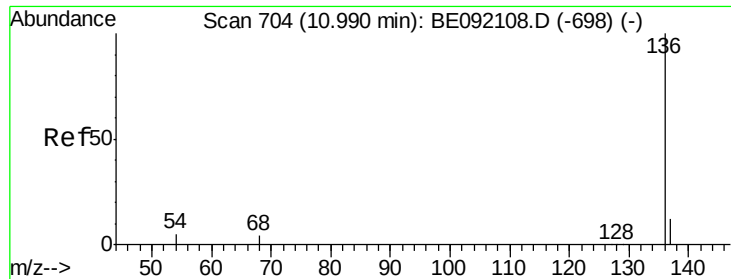


Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

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

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

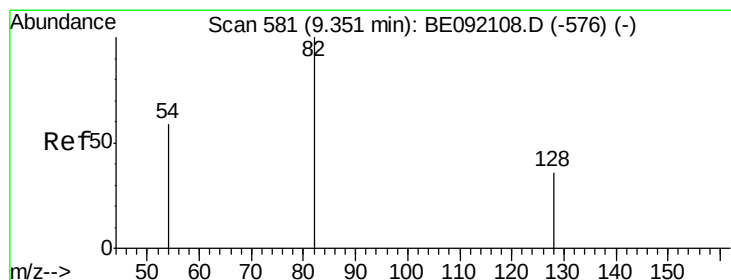
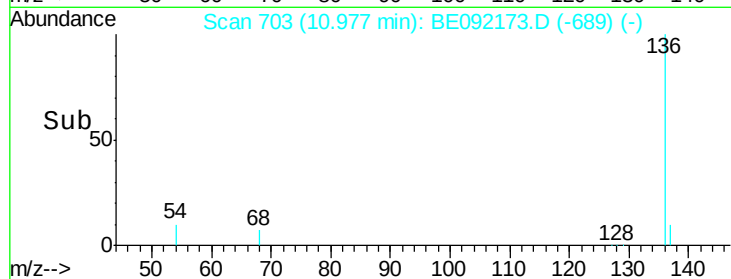
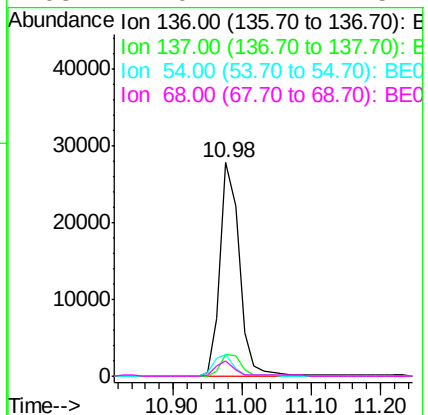
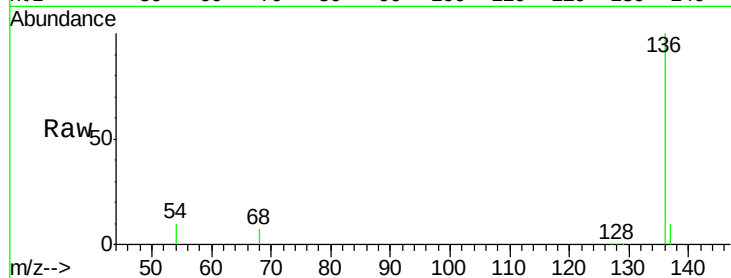




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092173.D
Acq: 4 Aug 2016 8:42

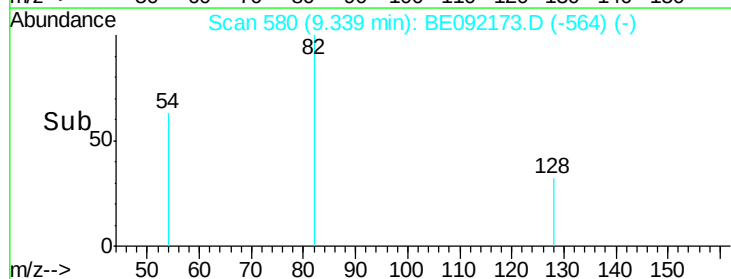
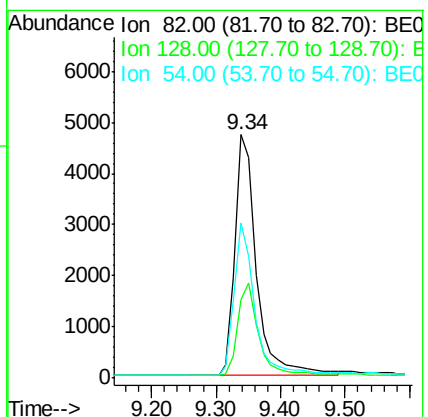
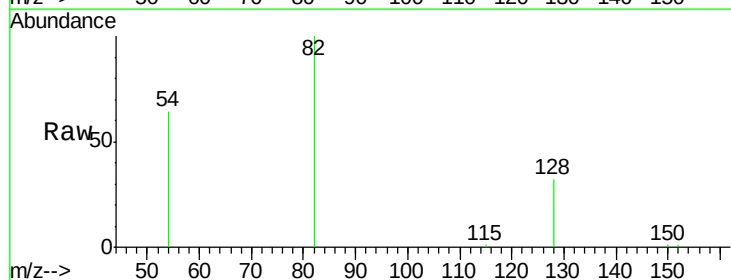
Instrument :
BNA_E
ClientSampleId :
GW-48-7.7-15.0

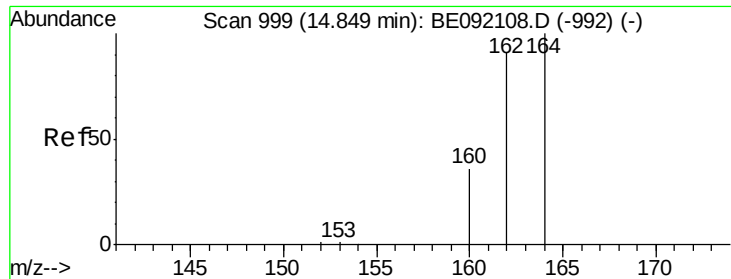
Tgt Ion:	136	Resp:	53902
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.0	2.7	4.1#
68	7.0	2.2	3.4#



#7
Nitrobenzene-d5
Concen: 2.53 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092173.D
Acq: 4 Aug 2016 8:42

Tgt Ion:	82	Resp:	10773
Ion	Ratio	Lower	Upper
82	100		
128	32.3	33.0	49.4#
54	63.6	42.6	63.8

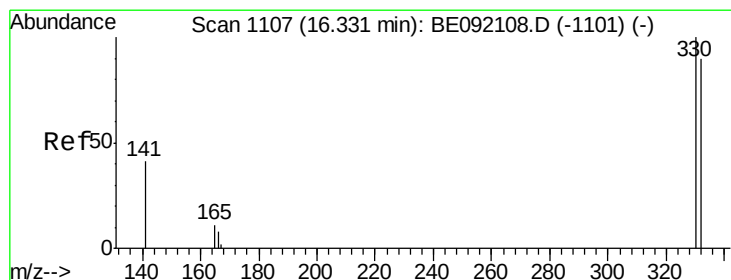
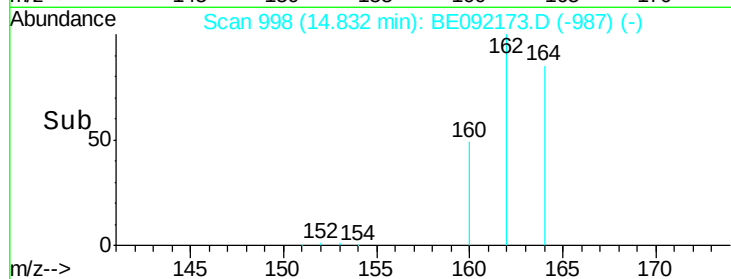
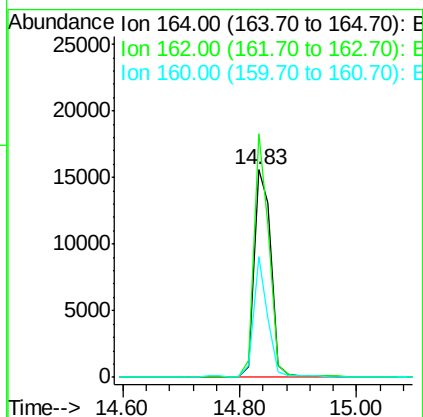
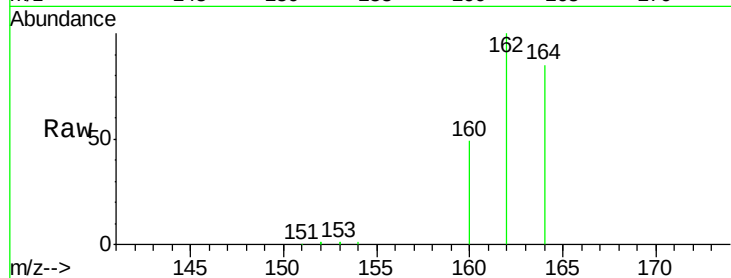




#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092173.D
Acq: 4 Aug 2016 8:42

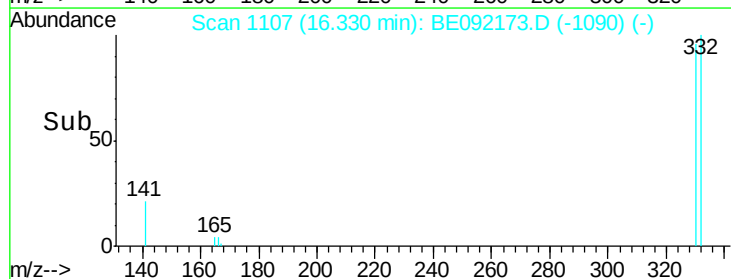
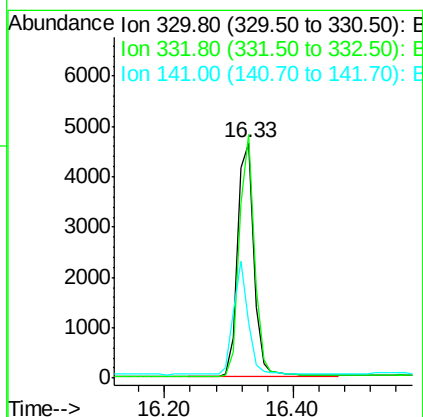
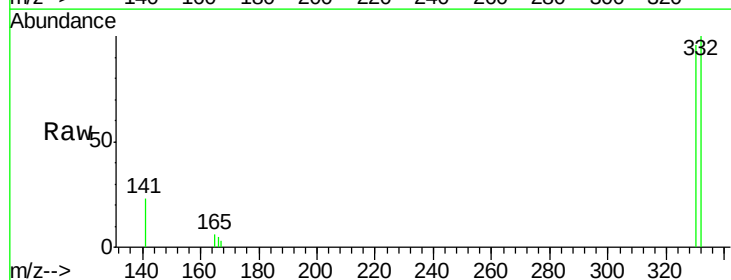
Instrument :
BNA_E
ClientSampleId :
GW-48-7.7-15.0

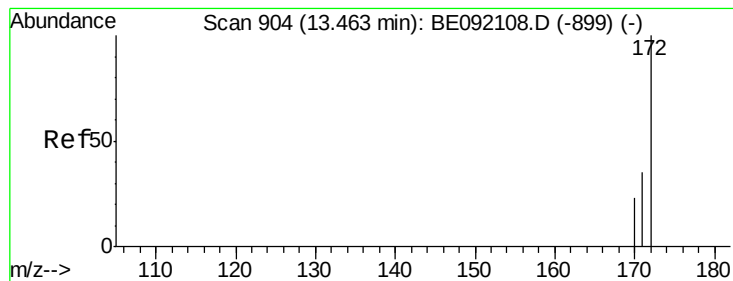
Tgt Ion:164 Resp: 31248
Ion Ratio Lower Upper
164 100
162 117.3 69.5 104.3#
160 58.0 27.6 41.4#



#11
2,4,6-Tribromophenol
Concen: 7.87 ng
RT: 16.33 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE092173.D
Acq: 4 Aug 2016 8:42

Tgt Ion:330 Resp: 7990
Ion Ratio Lower Upper
330 100
332 96.5 74.2 111.4
141 43.5 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 2.98 ng

RT: 13.46 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE092173.D

Acq: 4 Aug 2016 8:42

Instrument :

BNA_E

ClientSampleId :

GW-48-7.7-15.0

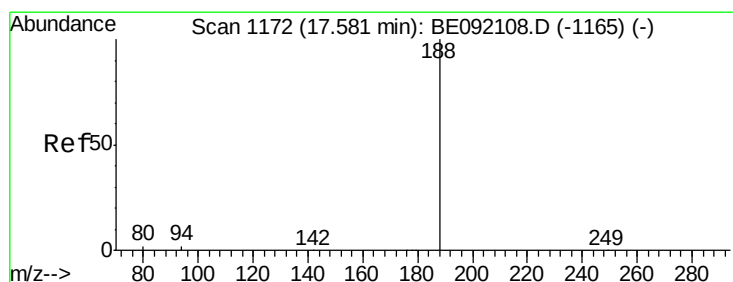
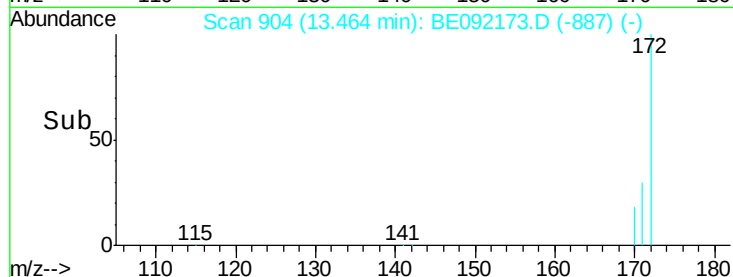
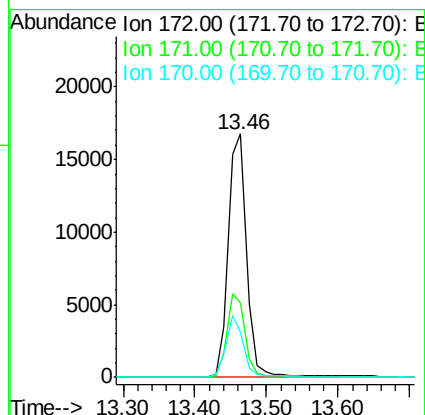
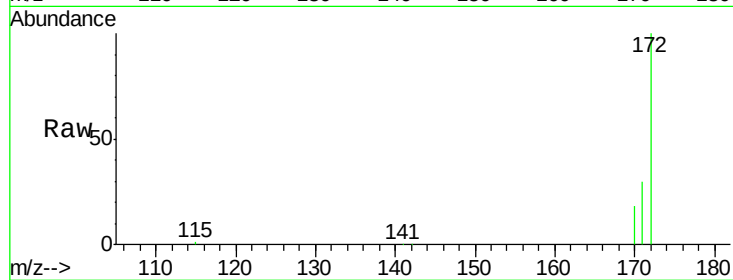
Tgt Ion:172 Resp: 29481

Ion Ratio Lower Upper

172 100

171 30.5 30.3 45.5

170 18.4 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: BE092173.D

Acq: 4 Aug 2016 8:42

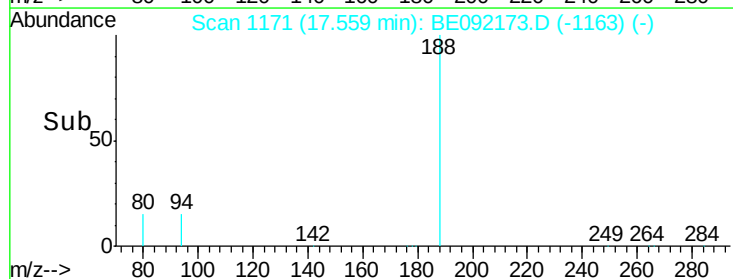
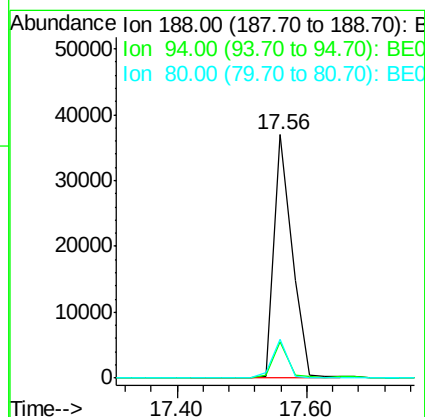
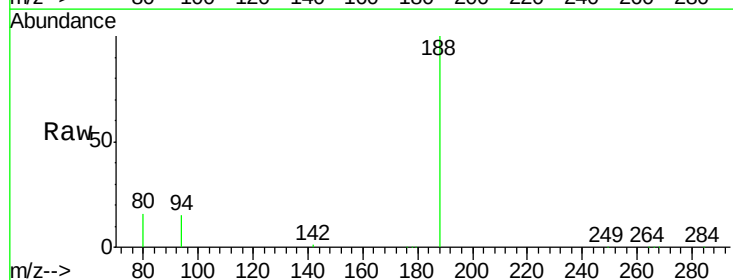
Tgt Ion:188 Resp: 72856

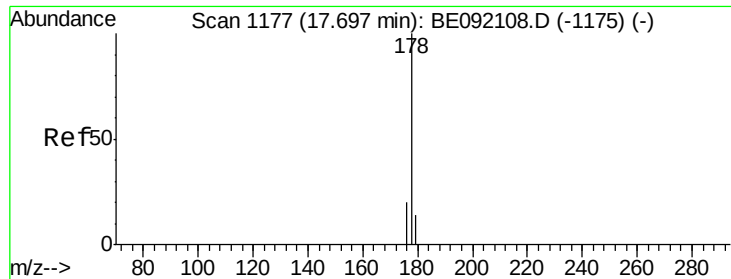
Ion Ratio Lower Upper

188 100

94 15.0 3.9 5.9#

80 15.7 3.4 5.0#





#20

Anthracene

Concen: 0.09 ng

RT: 17.70 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BE092173.D

Acq: 4 Aug 2016 8:42

Instrument :

BNA_E

ClientSampleId :

GW-48-7.7-15.0

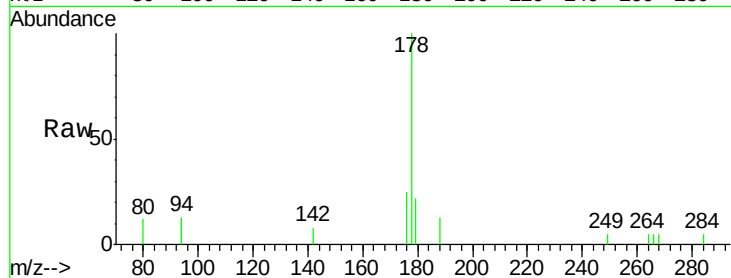
Tgt Ion:178 Resp: 1652

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

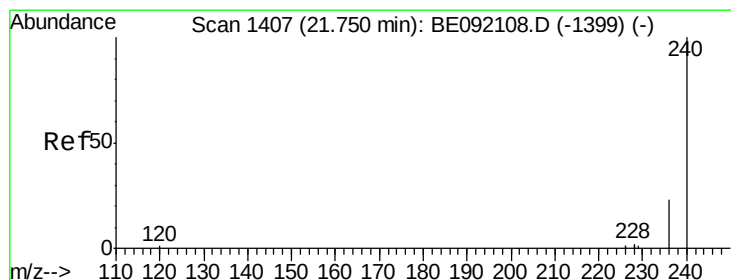
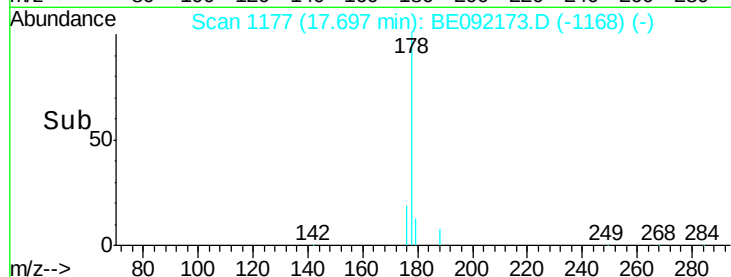
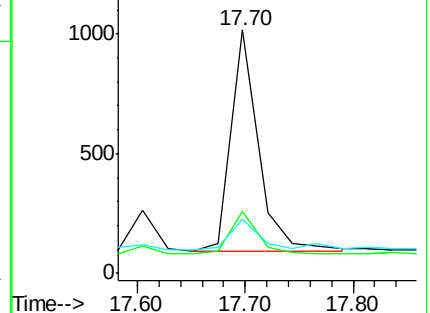
179 14.7 12.2 18.4



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: BE092173.D

Acq: 4 Aug 2016 8:42

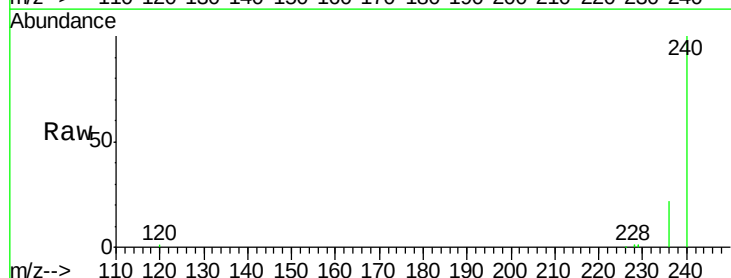
Tgt Ion:240 Resp: 88723

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

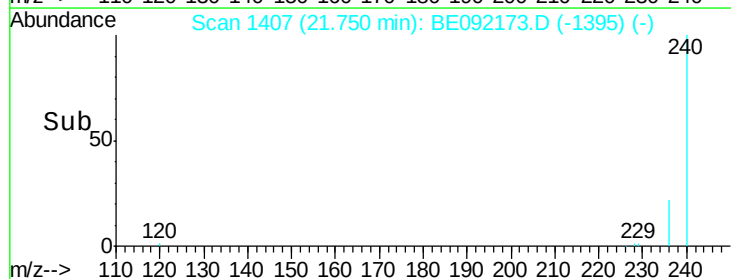
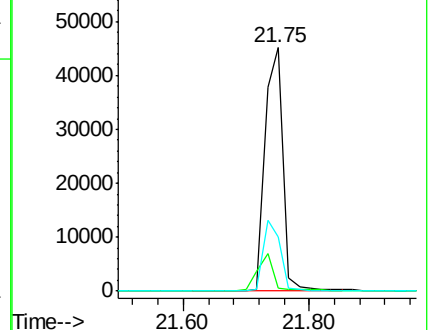
236 22.0 18.2 27.4

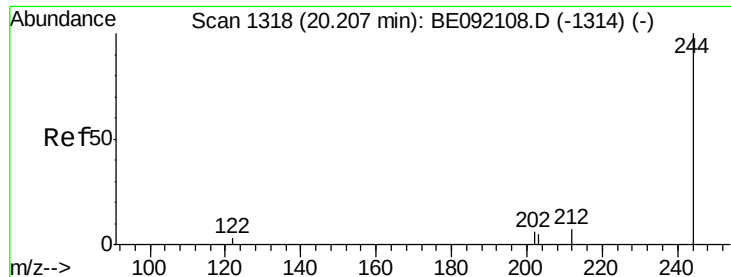


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.49 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092173.D

Acq: 4 Aug 2016 8:42

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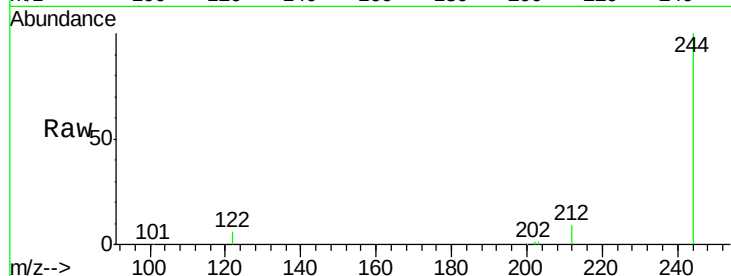
Tgt Ion:244 Resp: 57214

Ion Ratio Lower Upper

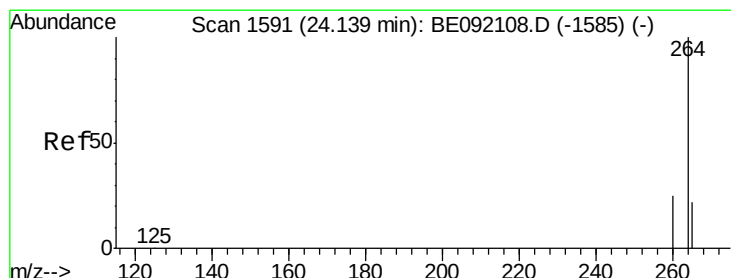
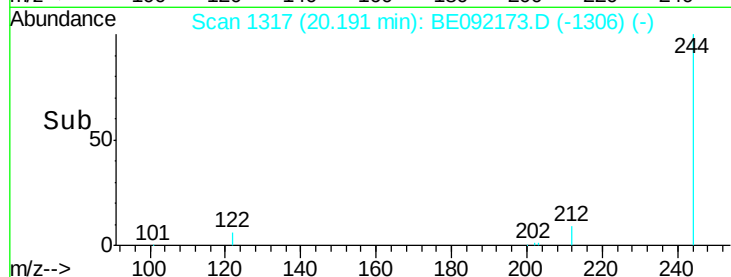
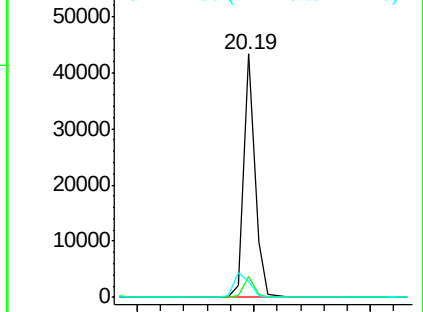
244 100

212 8.7 9.1 13.7#

122 6.3 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092173.D

Acq: 4 Aug 2016 8:42

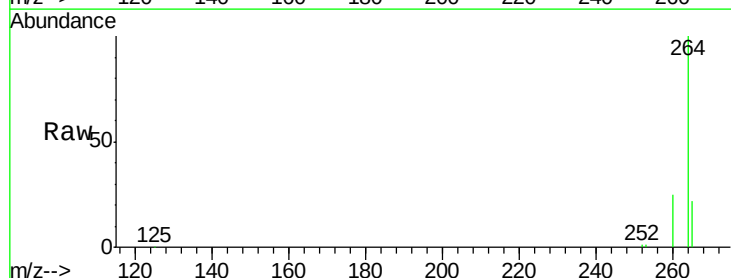
Tgt Ion:264 Resp: 88415

Ion Ratio Lower Upper

264 100

260 25.0 20.8 31.2

265 22.0 16.6 25.0



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

