

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE100716\
 Data File : BE092448.D
 Acq On : 7 Oct 2016 15:55
 Operator : UM/SJ
 Sample : PB93505BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93505BL

Quant Time: Oct 07 22:57:28 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

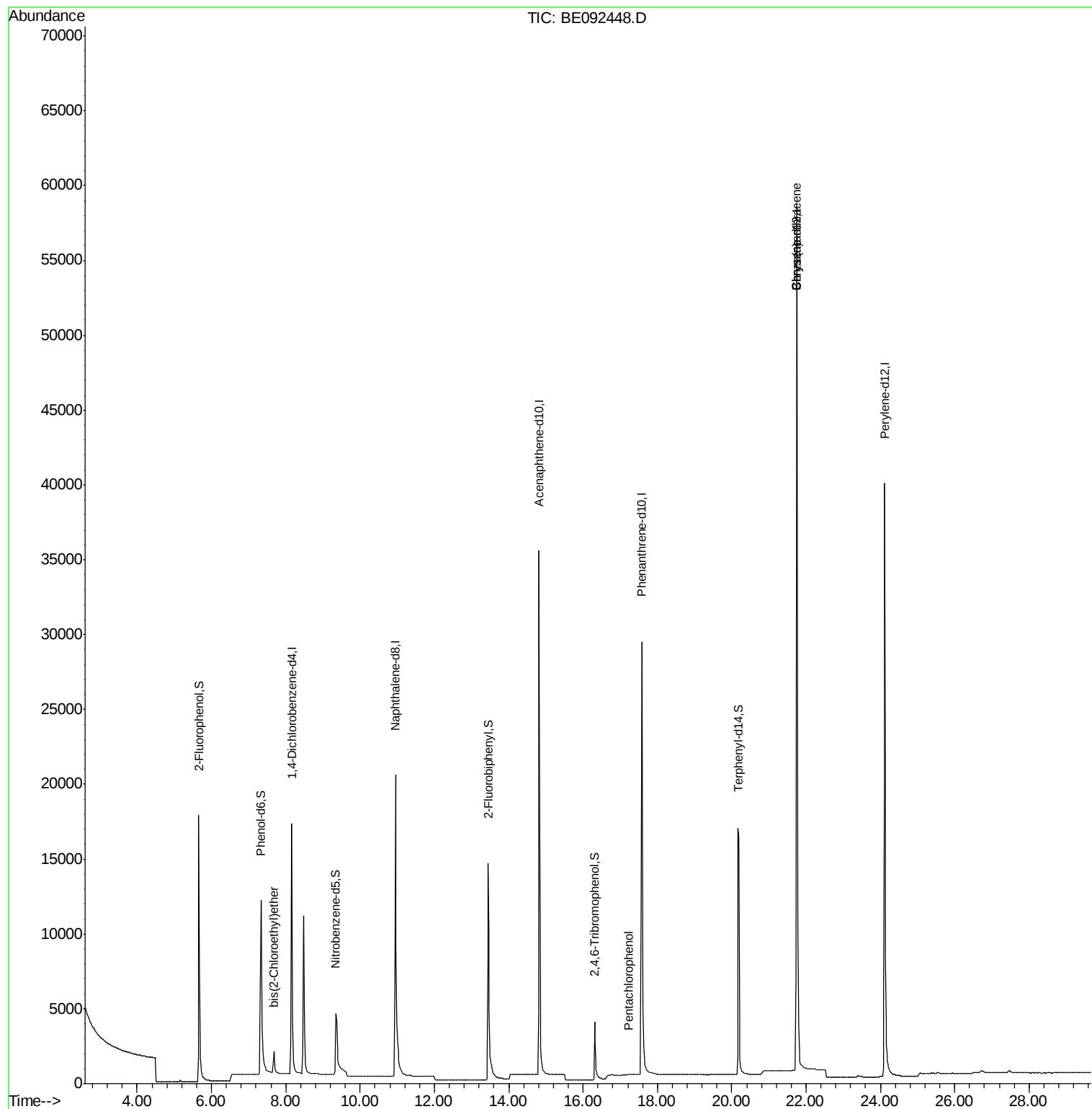
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9884	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	39445	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	26613	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	53353	5.00	ng	0.02
24) Chrysene-d12	21.75	240	75982	5.00	ng	0.00
31) Perylene-d12	24.11	264	66690	5.00	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	16351	7.03	ng	-0.02
5) Phenol-d6	7.34	99	19340	5.83	ng	-0.02
8) Nitrobenzene-d5	9.34	82	7958	2.87	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	3781	4.09	ng	0.00
14) 2-Fluorobiphenyl	13.44	172	22071	3.50	ng	0.00
26) Terphenyl-d14	20.19	244	32464	3.44	ng	0.02
Target Compounds						
2) 1,4-Dioxane	3.32	88	49	Below Cal	#	19
6) bis(2-Chloroethyl)ether	7.68	93	29	0.10 ng	#	1
20) Pentachlorophenol	17.23	266	3	0.18 ng	#	72
27) Benzo(a)anthracene	21.75	228	1829	0.02 ng	#	60
28) Chrysene	21.75	228	1826	0.03 ng	#	67

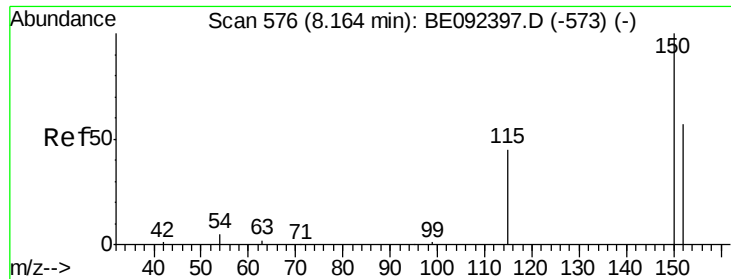
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Instrument :

BNA_E

ClientSampleId :

PB93505BL

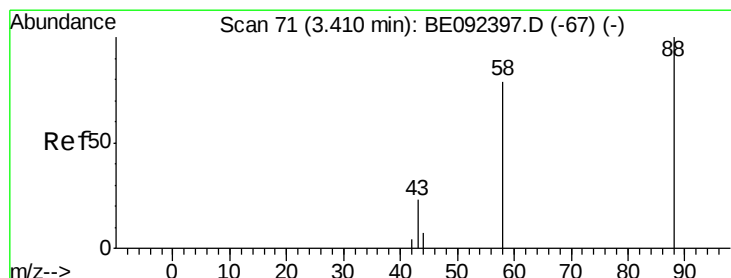
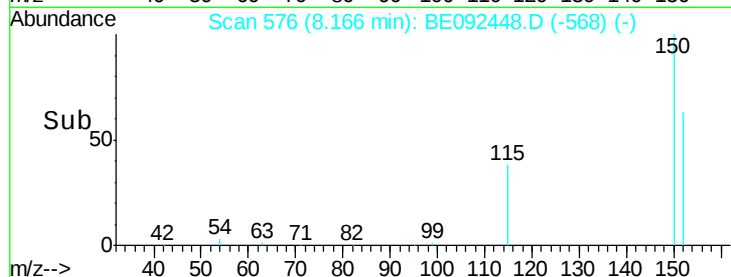
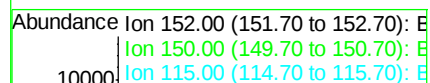
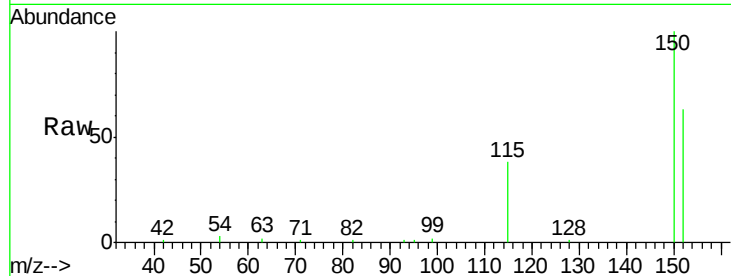
Tgt Ion:152 Resp: 9884

Ion Ratio Lower Upper

152 100

150 158.4 106.0 159.0

115 60.5 31.2 46.8#



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.32 min Scan# 63

Delta R.T. -0.10 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

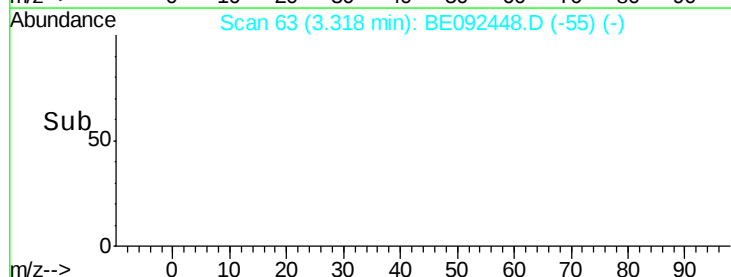
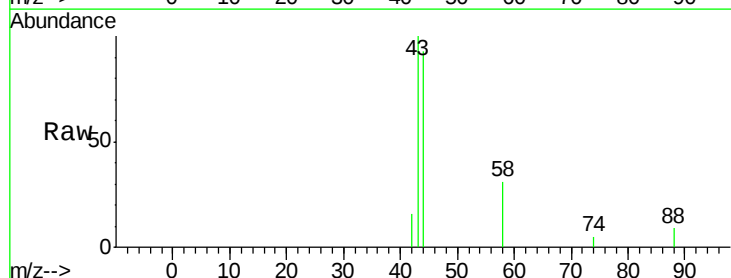
Tgt Ion: 88 Resp: 49

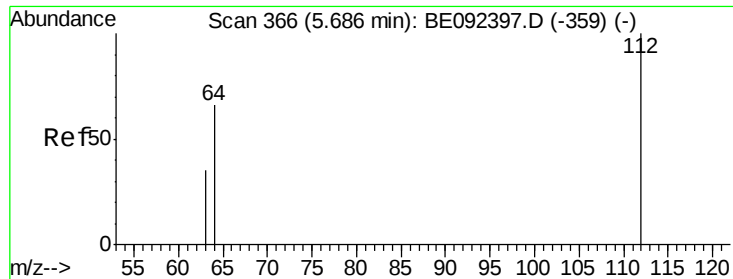
Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

43 0.0 28.0 42.0#





#4

2-Fluorophenol

Concen: 7.03 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Instrument :

BNA_E

ClientSampleId :

PB93505BL

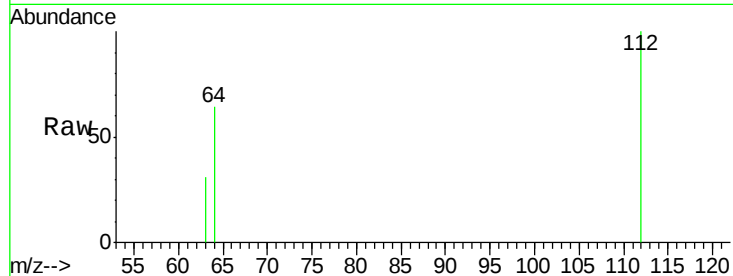
Tgt Ion: 112 Resp: 16351

Ion Ratio Lower Upper

112 100

64 67.8 53.5 80.3

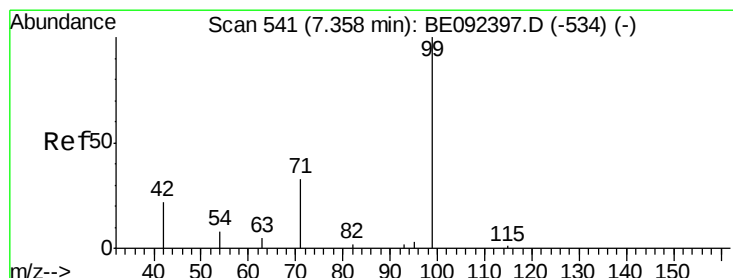
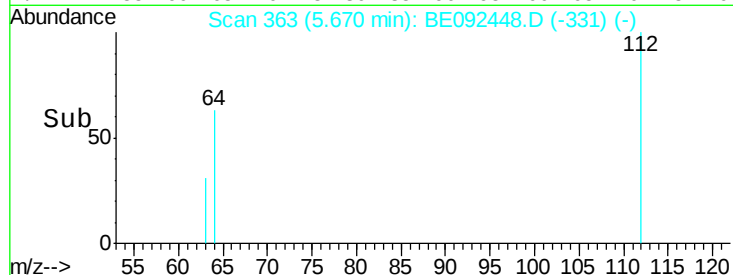
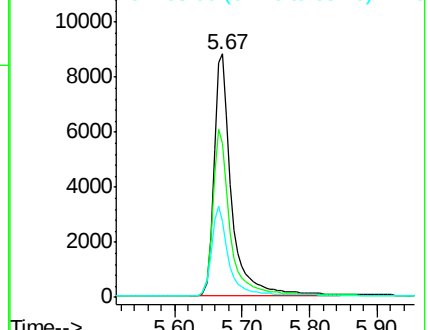
63 36.3 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE092397.D (-359) (-)

Ion 64.00 (63.70 to 64.70): BE092397.D (-359) (-)

Ion 63.00 (62.70 to 63.70): BE092397.D (-359) (-)



#5

Phenol-d6

Concen: 5.83 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

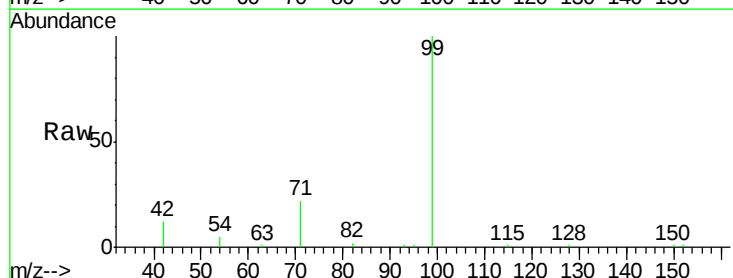
Tgt Ion: 99 Resp: 19340

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

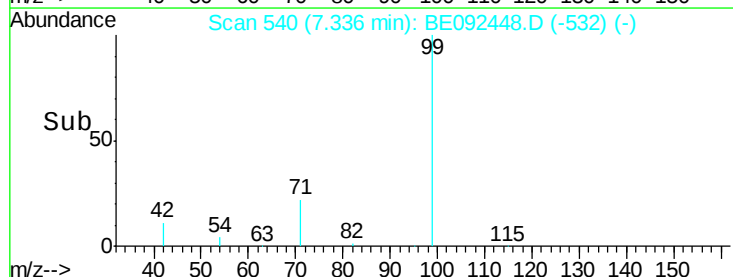
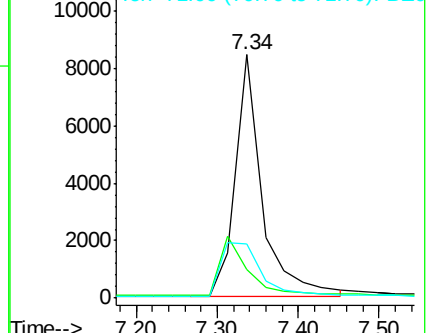
71 0.0 30.6 45.8#

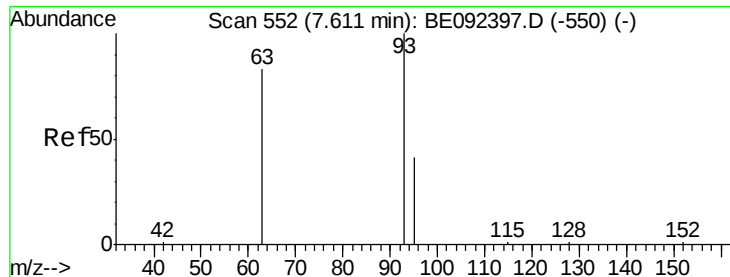


Abundance Ion 99.00 (98.70 to 99.70): BE092397.D (-534) (-)

Ion 42.00 (41.70 to 42.70): BE092397.D (-534) (-)

Ion 71.00 (70.70 to 71.70): BE092397.D (-534) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.07 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Instrument :

BNA_E

ClientSampleId :

PB93505BL

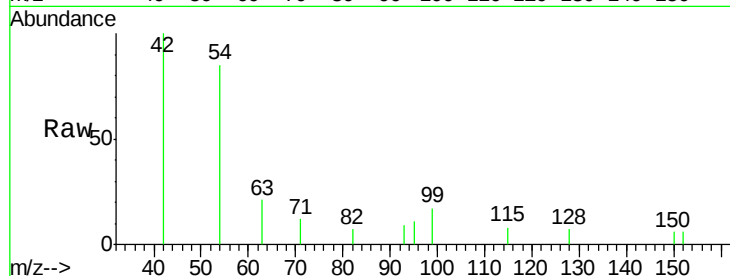
Tgt Ion: 93 Resp: 29

Ion Ratio Lower Upper

93 100

63 696.6 71.6 107.4#

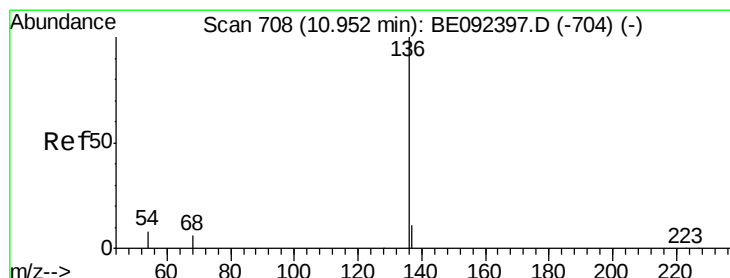
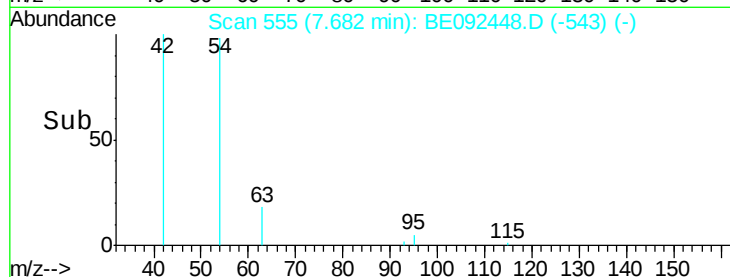
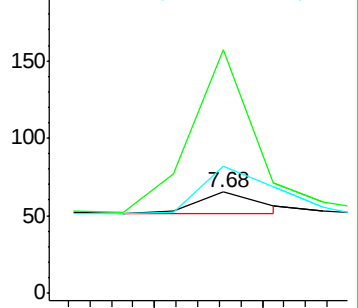
95 237.9 24.0 36.0#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Tgt Ion: 136 Resp: 39445

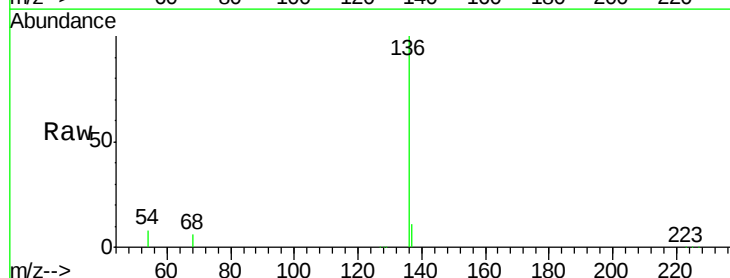
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 8.3 9.6 14.4#

68 5.9 6.7 10.1#

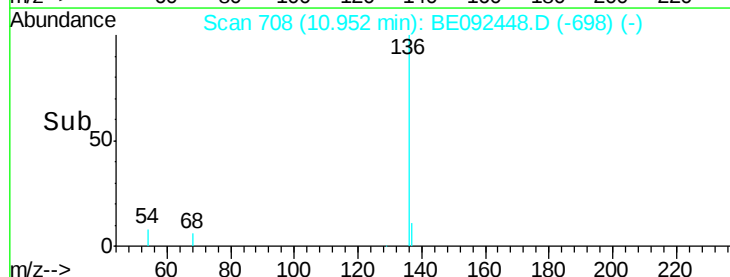
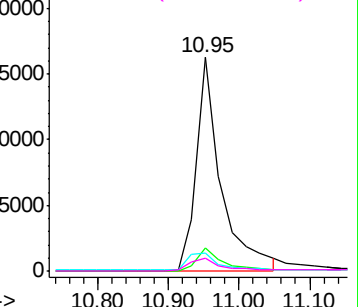


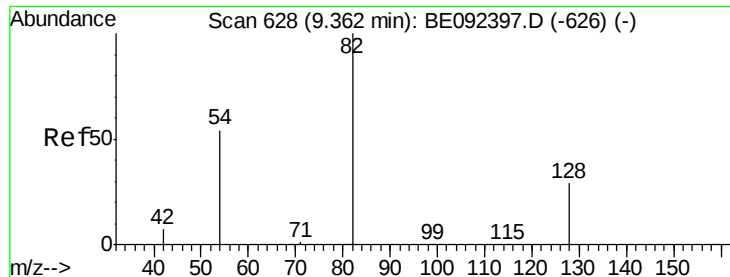
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 2.87 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Instrument :

BNA_E

ClientSampled :

PB93505BL

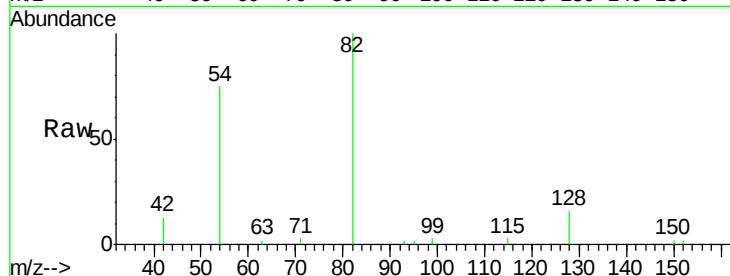
Tgt Ion: 82 Resp: 7958

Ion Ratio Lower Upper

82 100

128 15.9 39.0 58.4#

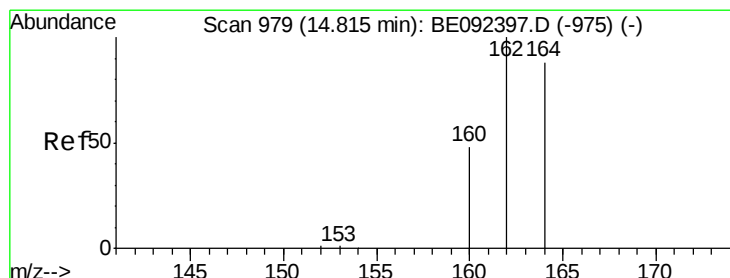
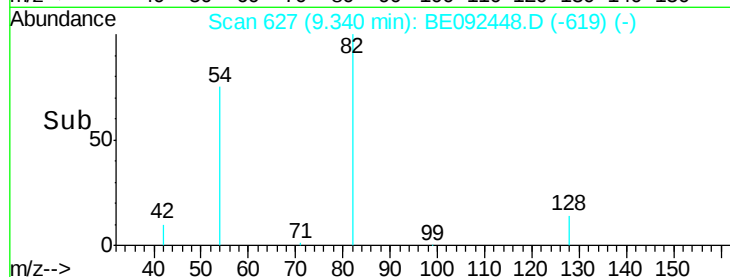
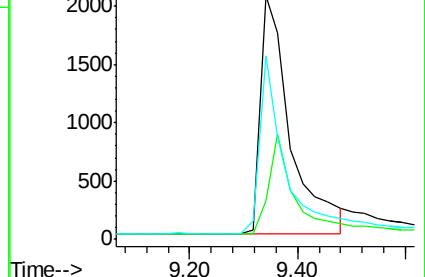
54 75.5 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE092397.D (-626) (-)

Ion 128.00 (127.70 to 128.70): BE092397.D (-626) (-)

Ion 54.00 (53.70 to 54.70): BE092397.D (-626) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

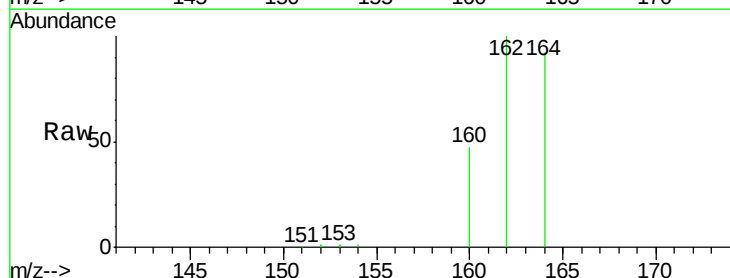
Tgt Ion: 164 Resp: 26613

Ion Ratio Lower Upper

164 100

162 108.8 71.4 107.0#

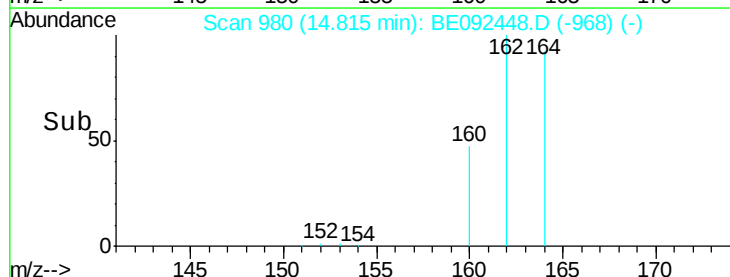
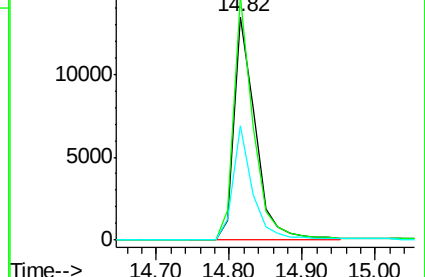
160 51.4 27.4 41.2#

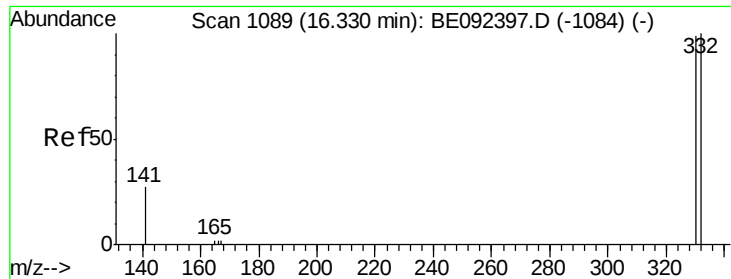


Abundance Ion 164.00 (163.70 to 164.70): BE092397.D (-975) (-)

Ion 162.00 (161.70 to 162.70): BE092397.D (-975) (-)

Ion 160.00 (159.70 to 160.70): BE092397.D (-975) (-)

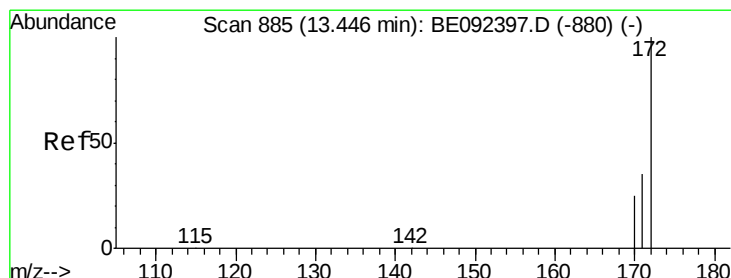
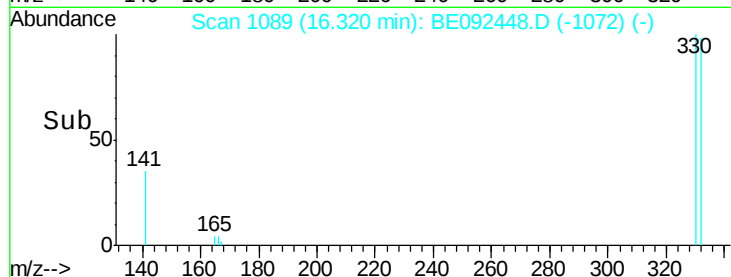
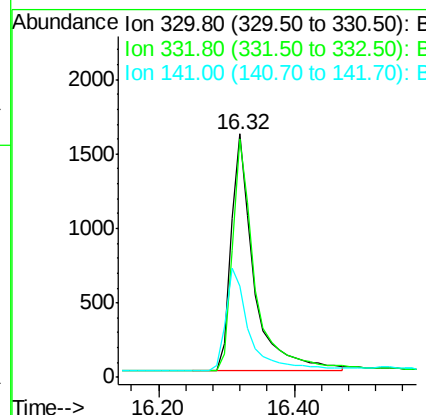
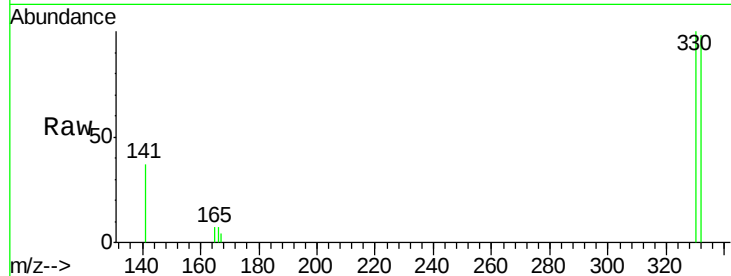




#13
 2,4,6-Tribromophenol
 Concen: 4.09 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092448.D
 Acq: 7 Oct 2016 15:55

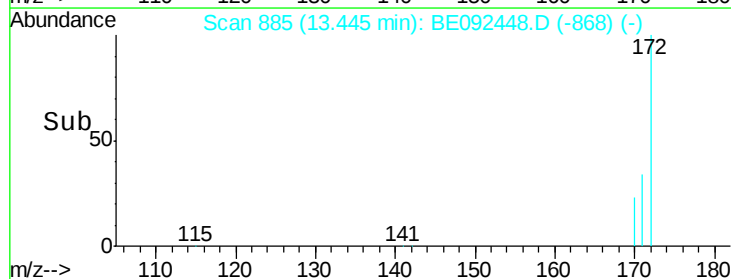
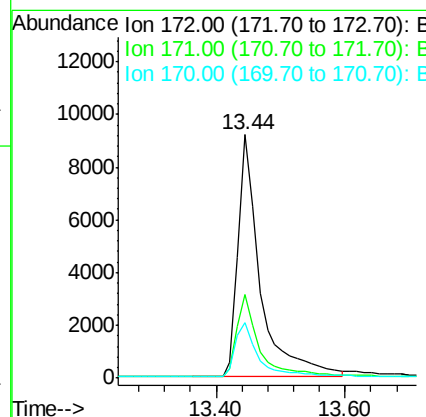
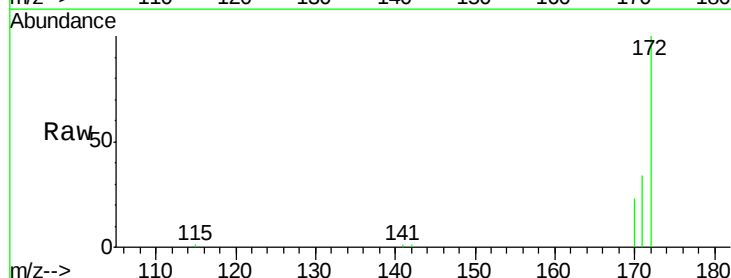
Instrument :
 BNA_E
 ClientSampleId :
 PB93505BL

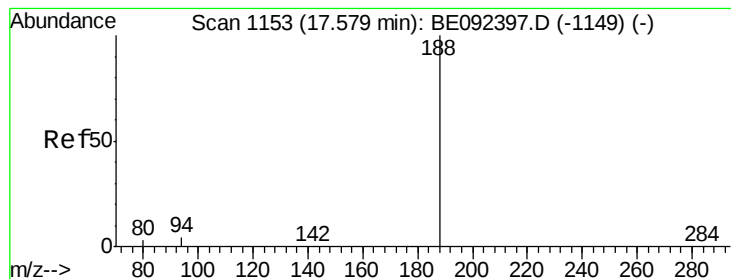
Tgt Ion:330 Resp: 3781
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.4 113.0
 141 44.5 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.50 ng
 RT: 13.44 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BE092448.D
 Acq: 7 Oct 2016 15:55

Tgt Ion:172 Resp: 22071
 Ion Ratio Lower Upper
 172 100
 171 34.2 30.1 45.1
 170 23.0 21.8 32.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Instrument :

BNA_E

ClientSampleId :

PB93505BL

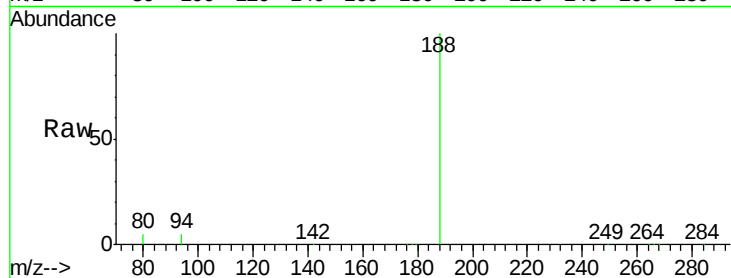
Tgt Ion:188 Resp: 53353

Ion Ratio Lower Upper

188 100

94 5.0 3.2 4.8#

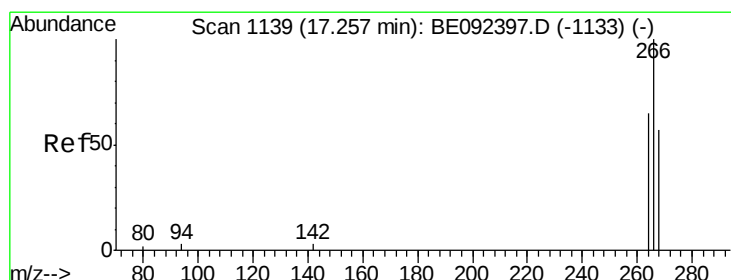
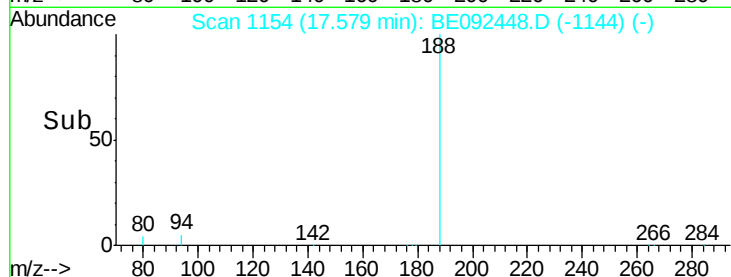
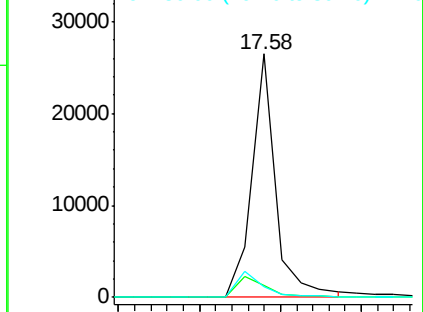
80 4.6 2.6 3.8#



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



#20

Pentachlorophenol

Concen: 0.18 ng

RT: 17.23 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

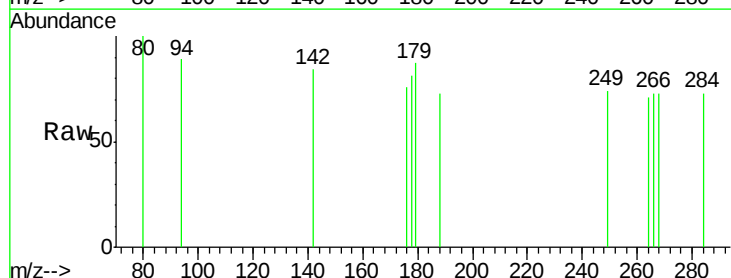
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

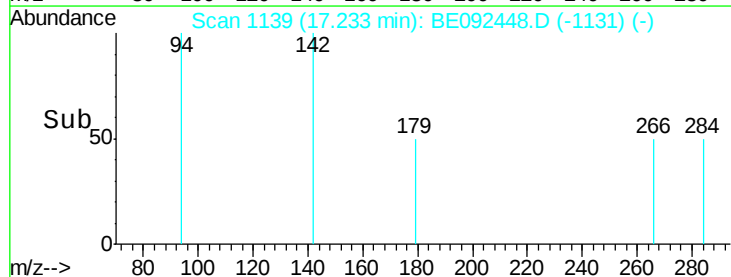
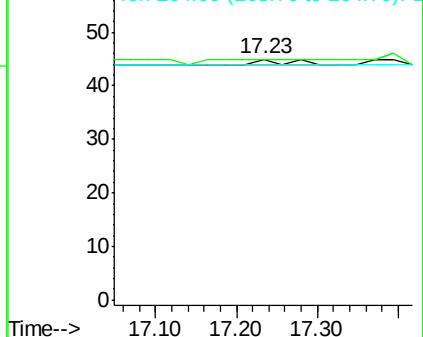
264 97.8 57.2 85.8#

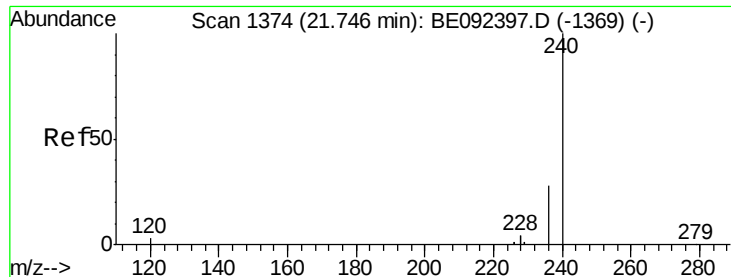


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Instrument :

BNA_E

ClientSampleId :

PB93505BL

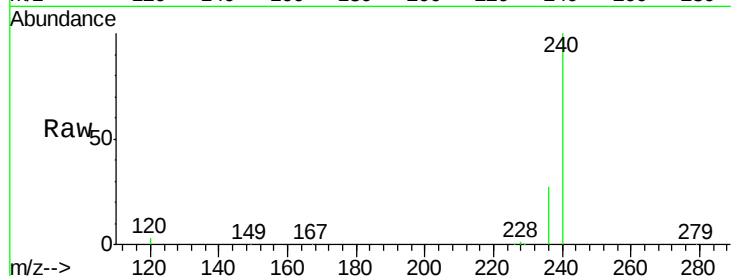
Tgt Ion:240 Resp: 75982

Ion Ratio Lower Upper

240 100

120 3.2 2.6 4.0

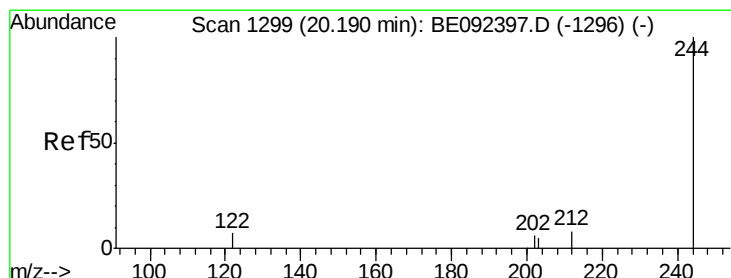
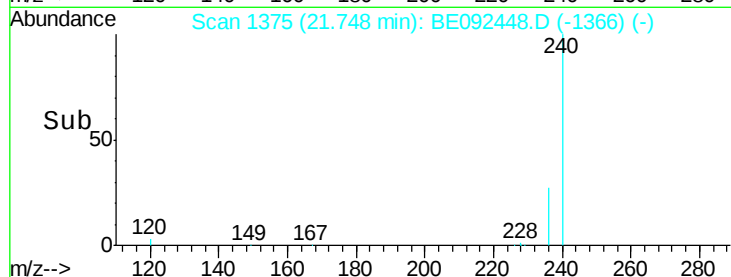
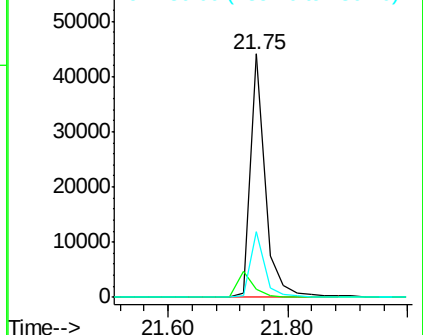
236 27.2 24.6 37.0



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



#26

Terphenyl-d14

Concen: 3.44 ng

RT: 20.19 min Scan# 1300

Delta R.T. 0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

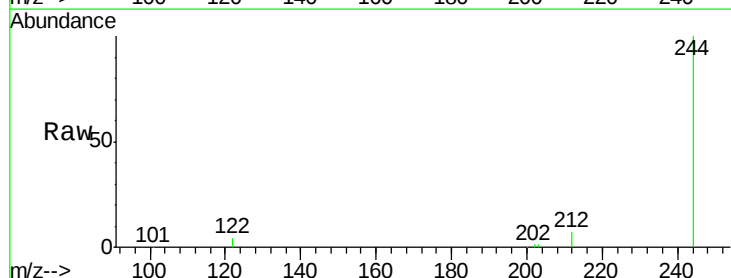
Tgt Ion:244 Resp: 32464

Ion Ratio Lower Upper

244 100

212 7.4 6.7 10.1

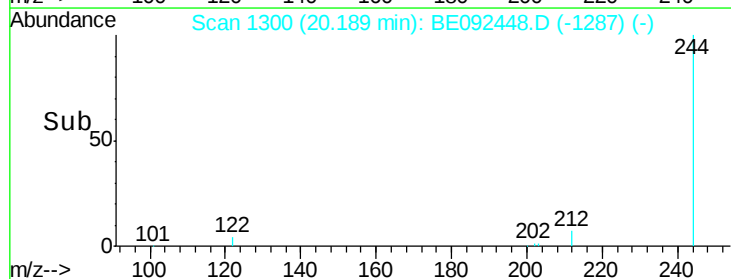
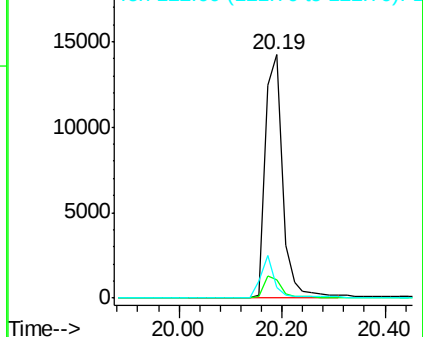
122 4.3 3.6 5.4

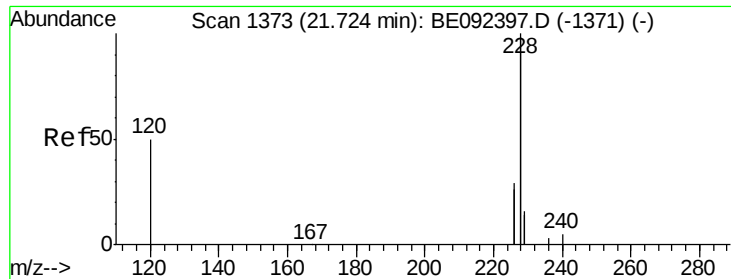


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

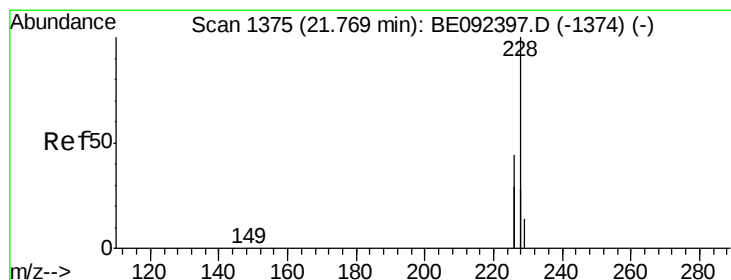
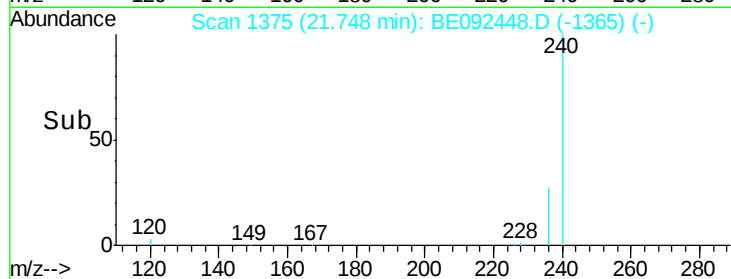
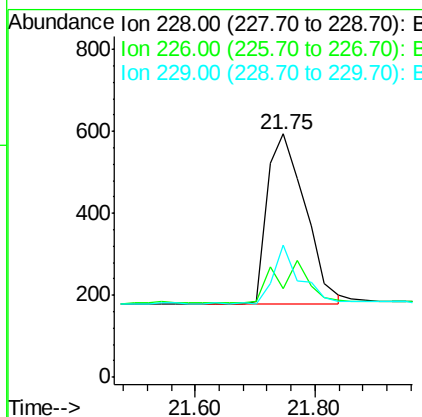
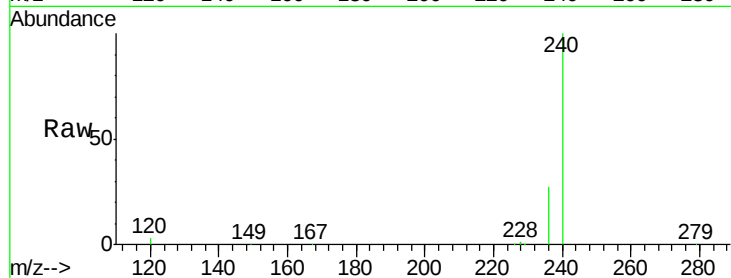




#27
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.02 min
Lab File: BE092448.D
Acq: 7 Oct 2016 15:55

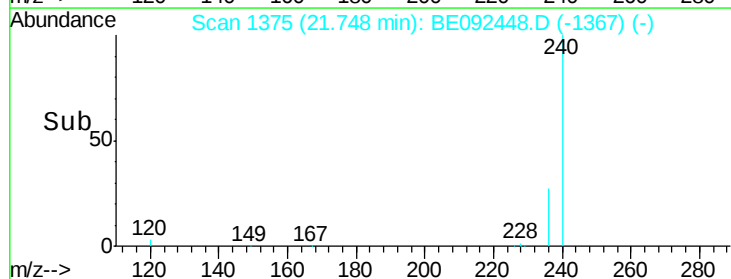
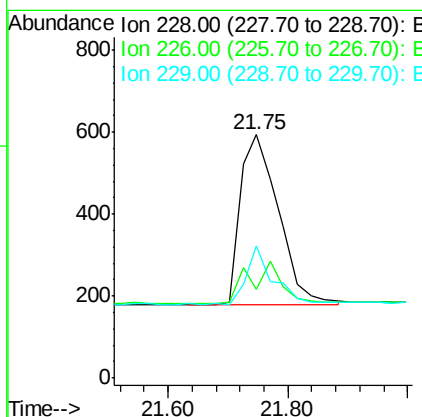
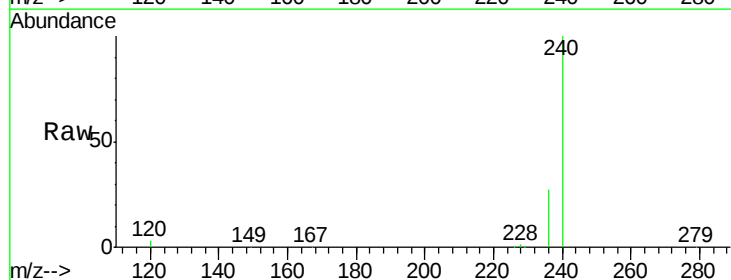
Instrument :
BNA_E
ClientSampleId :
PB93505BL

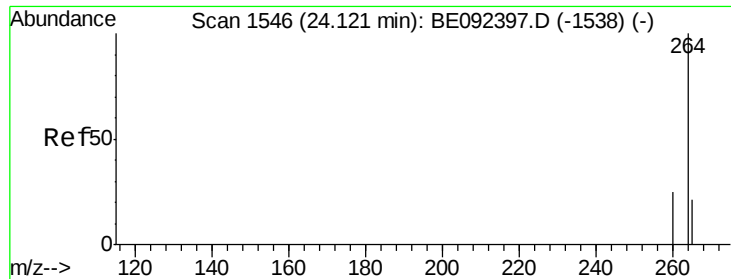
Tgt Ion:228 Resp: 1829
Ion Ratio Lower Upper
228 100
226 36.7 23.6 35.4#
229 54.2 13.3 19.9#



#28
Chrysene
Concen: 0.03 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092448.D
Acq: 7 Oct 2016 15:55

Tgt Ion:228 Resp: 1826
Ion Ratio Lower Upper
228 100
226 36.7 36.3 54.5
229 54.2 10.6 16.0#





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.11 min Scan# 1546

Delta R.T. 0.02 min

Lab File: BE092448.D

Acq: 7 Oct 2016 15:55

Instrument :

BNA_E

ClientSampleId :

PB93505BL

Tgt Ion: 264 Resp: 66690

Ion Ratio Lower Upper

264 100

260 26.3 20.1 30.1

265 20.9 17.9 26.9

