

Data Path : Z:\HPCHEM1\BNA E\Data\Be102116\
 Data File : BE092466.D
 Acq On : 21 Oct 2016 14:30
 Operator : UM/SJ
 Sample : PB94258BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 21 16:56:11 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

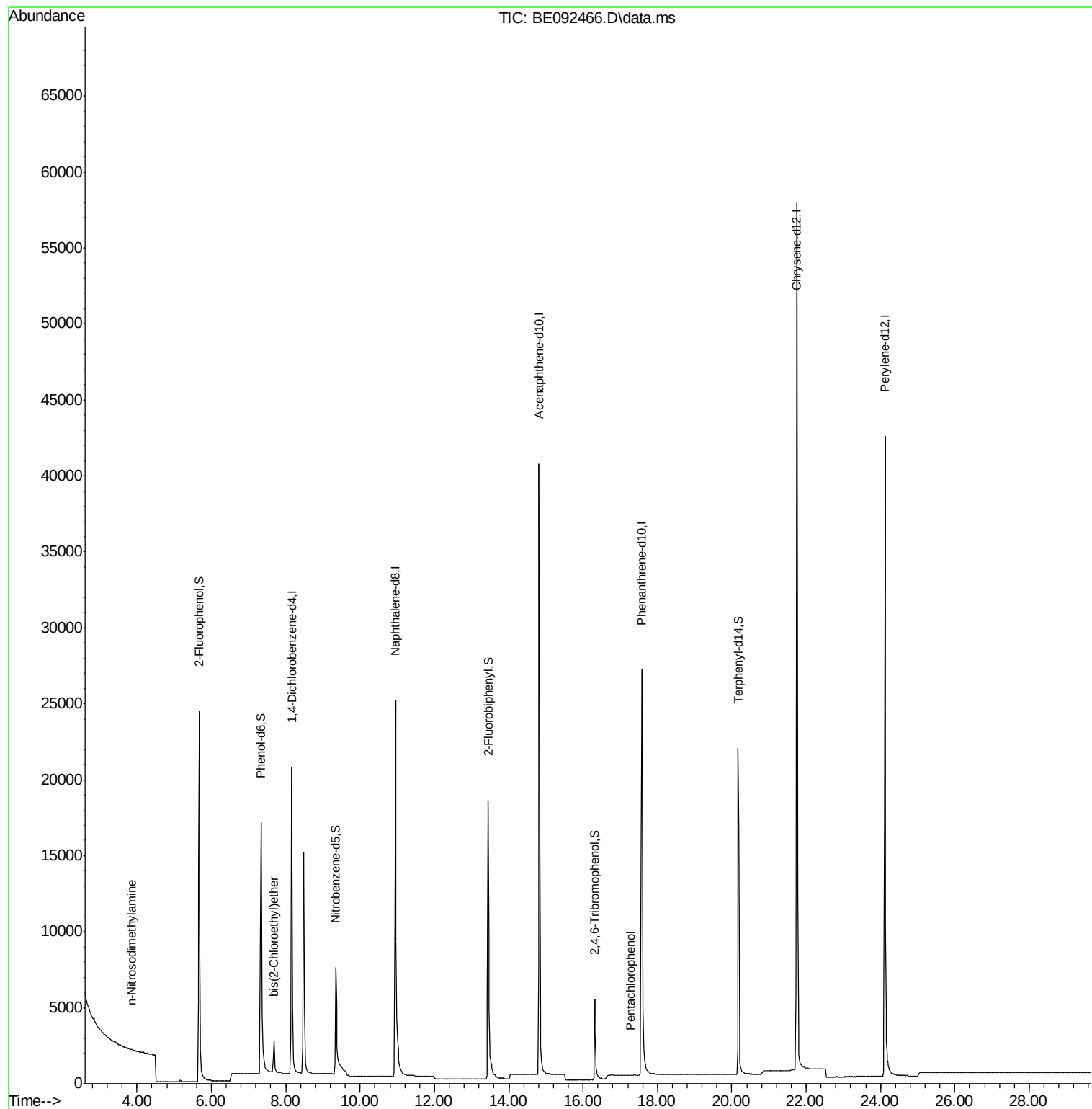
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.164	152	11625	5.00	ng	-0.02
7) Naphthalene-d8	10.952	136	47580	5.00	ng	0.00
12) Acenaphthene-d10	14.815	164	29633	5.00	ng	0.00
18) Phenanthrene-d10	17.580	188	55011	5.00	ng	0.02
24) Chrysene-d12	21.746	240	76151	5.00	ng	0.00
31) Perylene-d12	24.122	264	69516	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.669	112	21435	7.82	ng	-0.02
5) Phenol-d6	7.335	99	26125	6.69	ng	-0.02
8) Nitrobenzene-d5	9.339	82	11291	3.35	ng	-0.02
13) 2,4,6-Tribromophenol	16.318	330	4911	4.74	ng	0.00
14) 2-Fluorobiphenyl	13.445	172	29519	4.21	ng	0.00
26) Terphenyl-d14	20.173	244	36708	3.89	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.551	88	3	Below Cal	#	19
3) n-Nitrosodimethylamine	3.851	42	16	0.20 ng	#	2
6) bis(2-Chloroethyl)ether	7.681	93	36	0.10 ng	#	1
20) Pentachlorophenol	17.280	266	1	0.18 ng	#	72

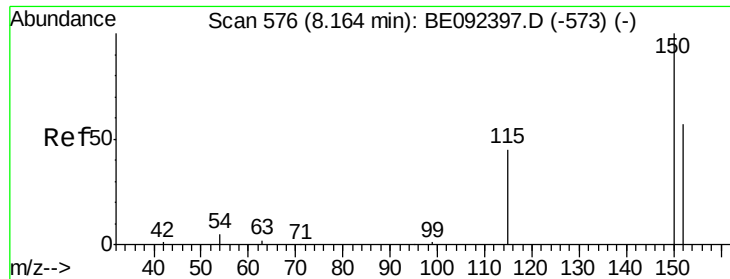
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.164 min Scan# 57

Delta R.T. -0.023 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Instrument :

BNA_E

ClientSampleId :

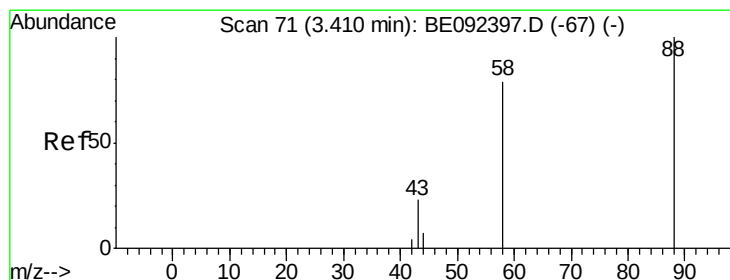
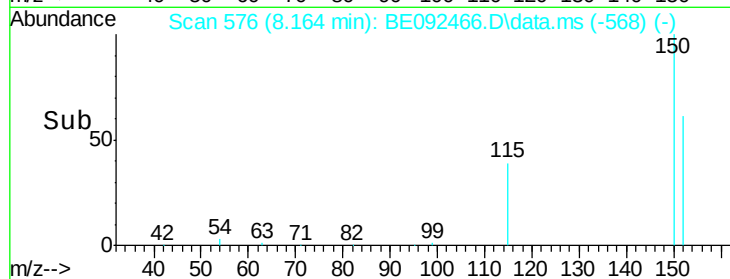
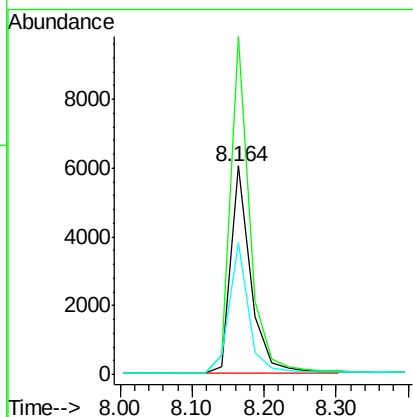
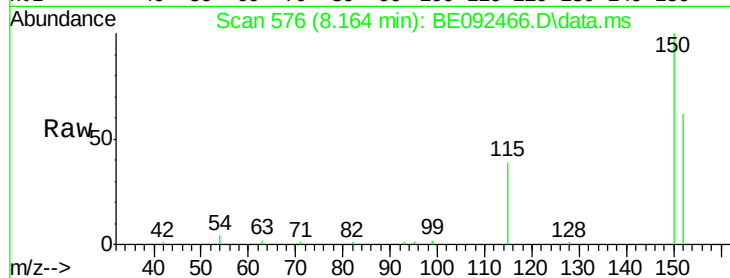
Tot Ion:152 Resp: 11625

Ion Ratio Lower Upper

152 100

150 162.3 106.0 159.0#

115 63.6 31.2 46.8#



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.551 min Scan# 83

Delta R.T. 0.130 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

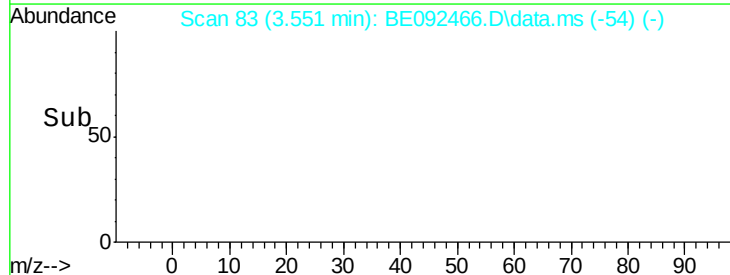
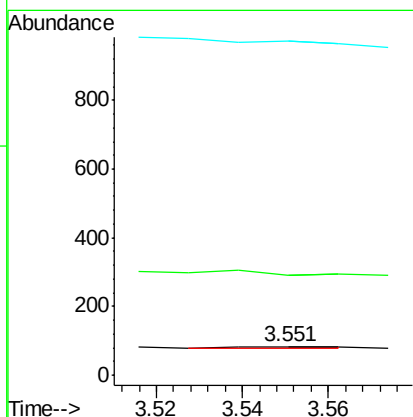
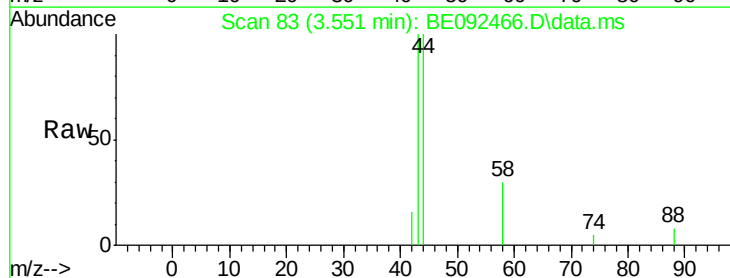
Tgt Ion: 88 Resp: 3

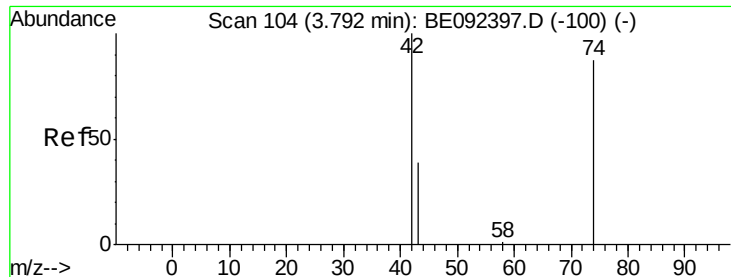
Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

43 0.0 28.0 42.0#





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.851 min Scan# 10

Delta R.T. 0.049 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Instrument :

BNA_E

ClientSampleId :

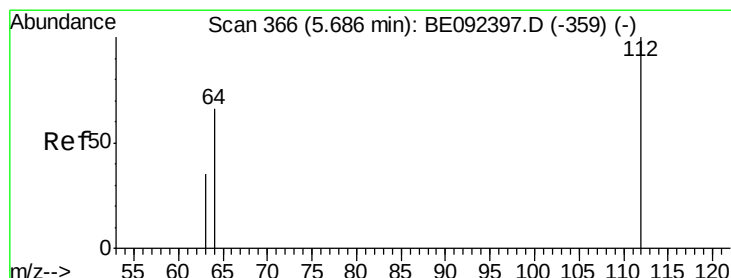
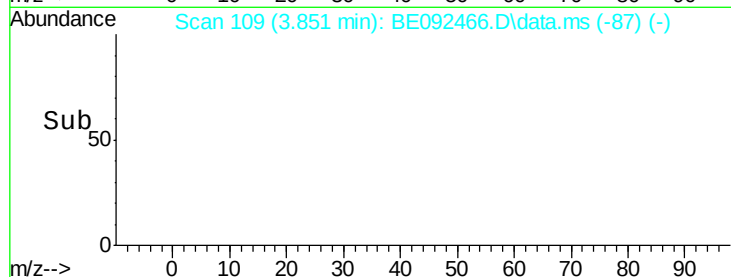
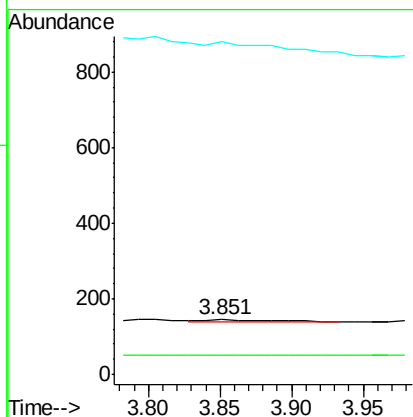
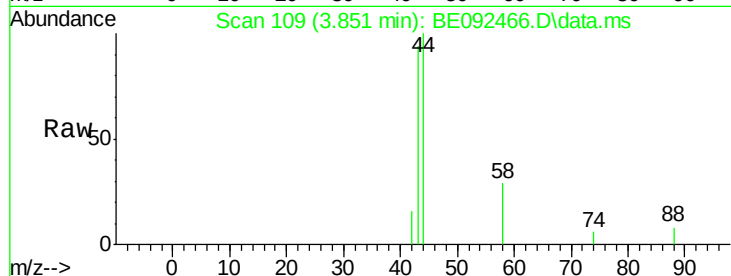
Tot Ion: 42 Resp: 16

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

44 0.0 5.1 7.7#



#4

2-Fluorophenol

Concen: 7.82 ng

RT: 5.669 min Scan# 363

Delta R.T. -0.017 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

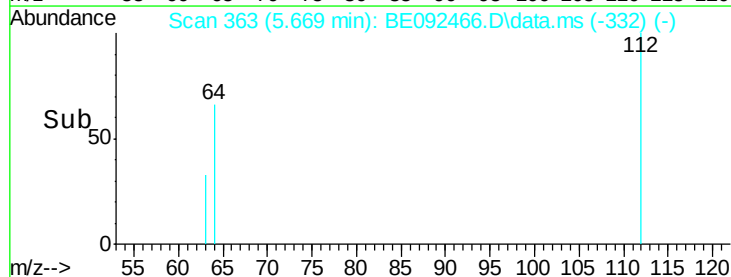
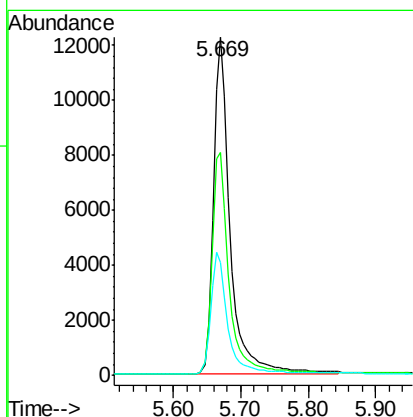
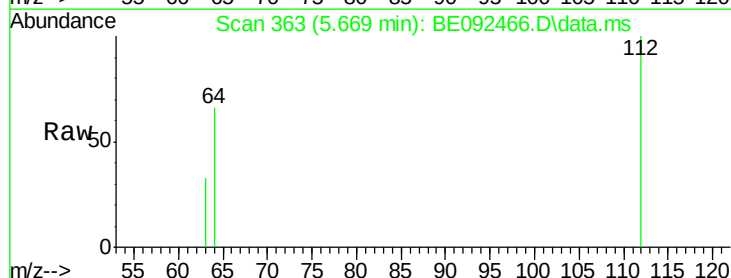
Tgt Ion: 112 Resp: 21435

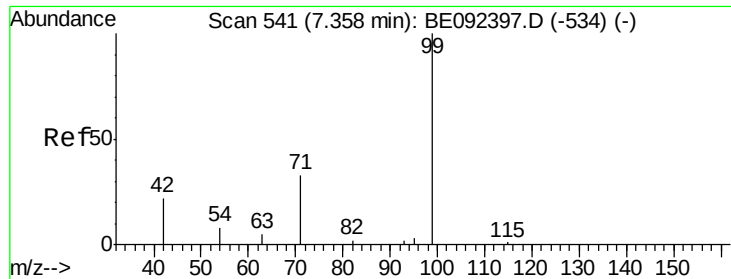
Ion Ratio Lower Upper

112 100

64 67.8 53.5 80.3

63 36.4 27.9 41.9





#5

Phenol-d6

Concen: 6.69 ng

RT: 7.335 min Scan# 541

Delta R.T. -0.023 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Instrument :

BNA_E

ClientSampleId :

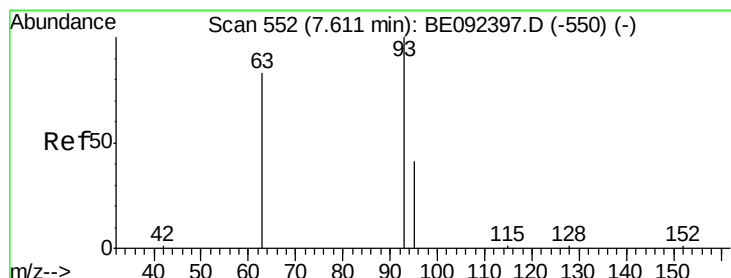
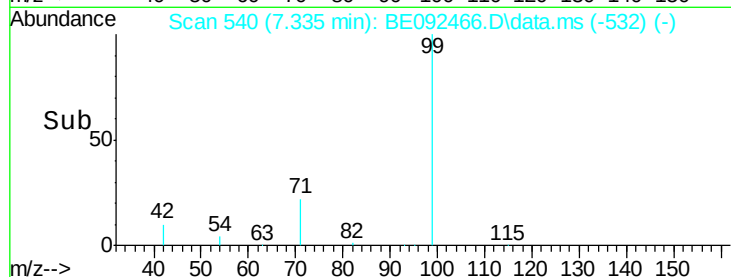
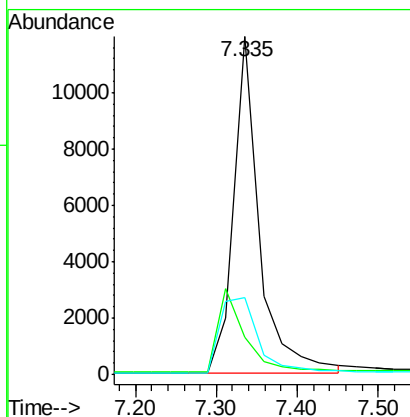
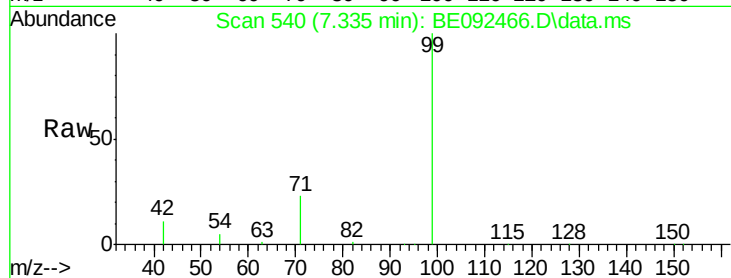
Tot Ion: 99 Resp: 26125

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

71 34.6 30.6 45.8



#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 7.681 min Scan# 555

Delta R.T. 0.070 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

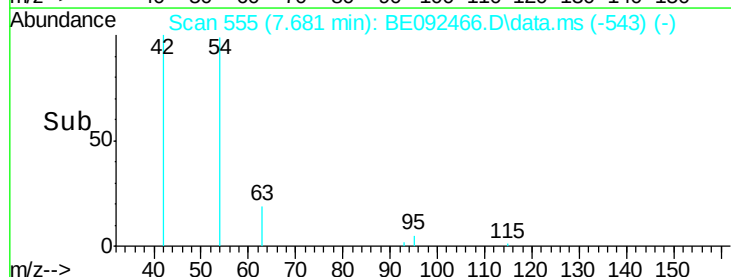
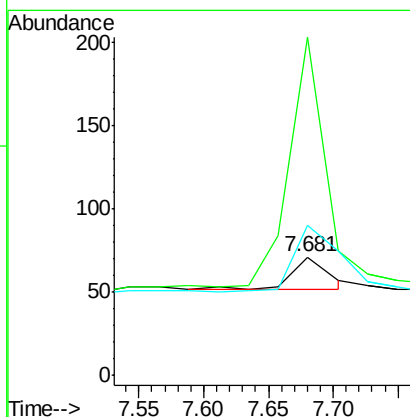
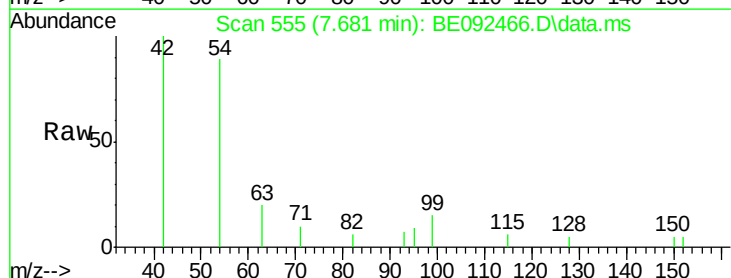
Tgt Ion: 93 Resp: 36

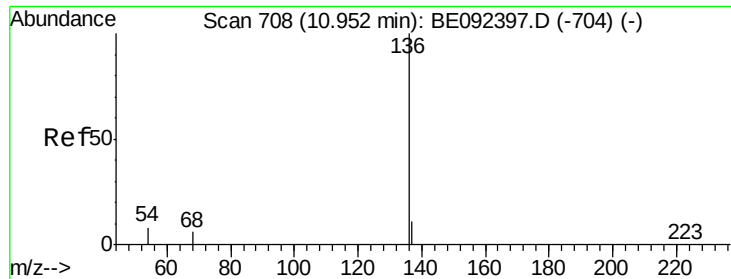
Ion Ratio Lower Upper

93 100

63 786.1 71.6 107.4#

95 261.1 24.0 36.0#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.952 min Scan# 70

Delta R.T. 0.000 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 47580

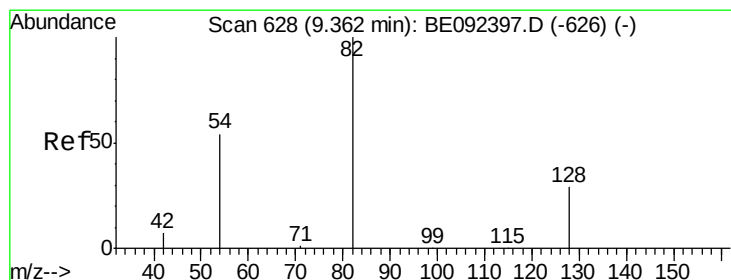
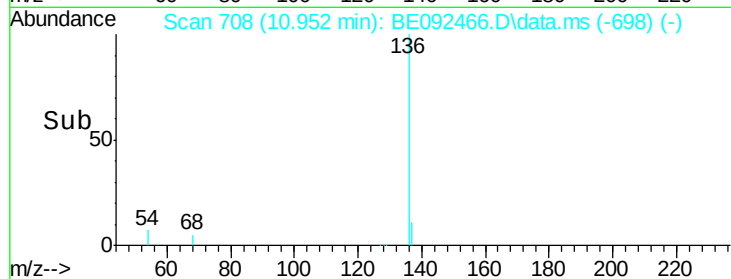
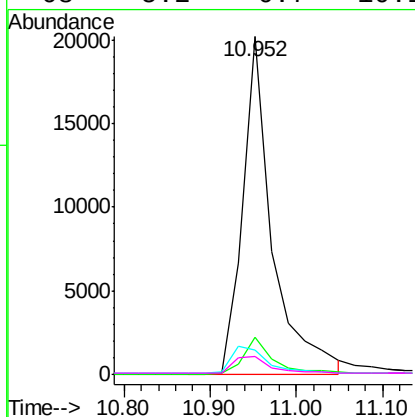
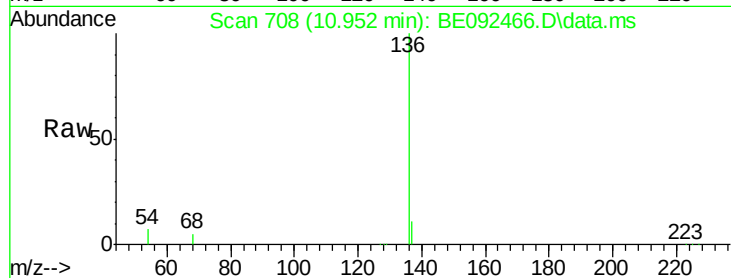
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.4

54 7.1 9.6 14.4#

68 5.2 6.7 10.1#



#8

Nitrobenzene-d5

Concen: 3.35 ng

RT: 9.339 min Scan# 627

Delta R.T. -0.023 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

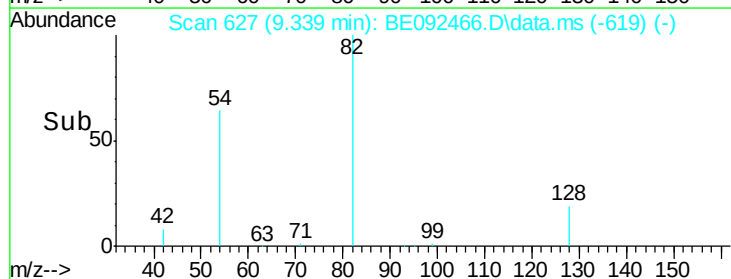
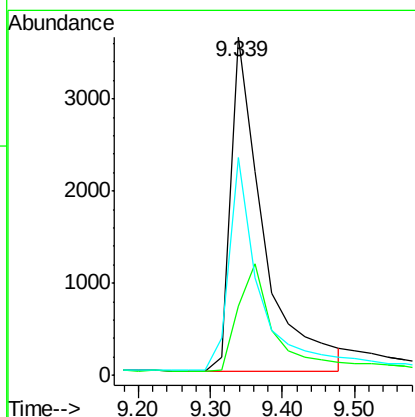
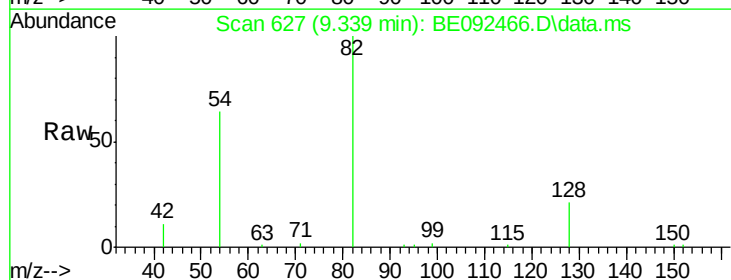
Tgt Ion: 82 Resp: 11291

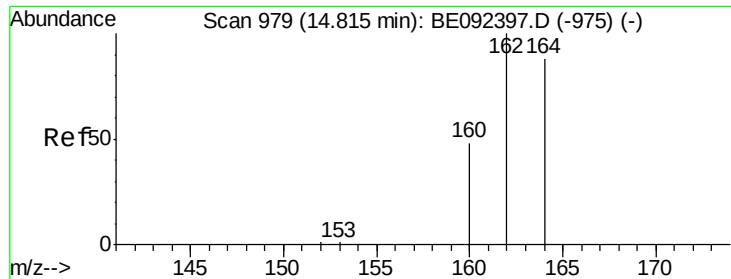
Ion Ratio Lower Upper

82 100

128 20.5 39.0 58.4#

54 64.4 44.8 67.2





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.815 min Scan# 98

Delta R.T. -0.000 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Instrument :

BNA_E

ClientSampleId :

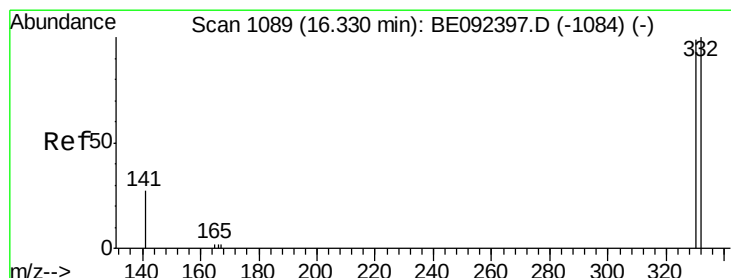
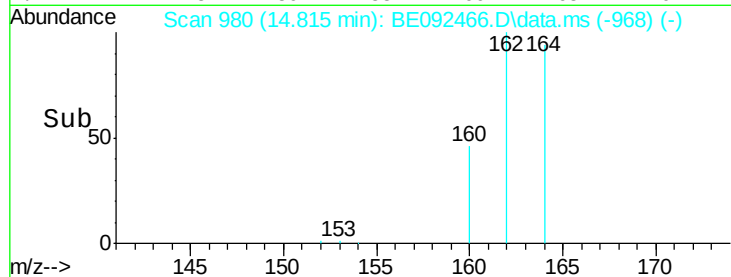
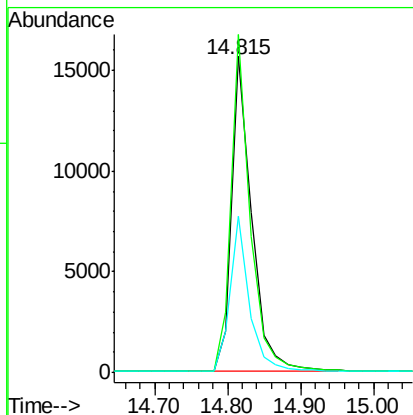
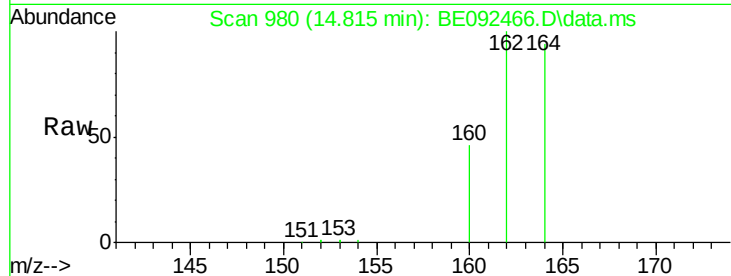
Tot Ion:164 Resp: 29633

Ion Ratio Lower Upper

164 100

162 106.8 71.4 107.0

160 49.5 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 4.74 ng

RT: 16.318 min Scan# 1089

Delta R.T. 0.000 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

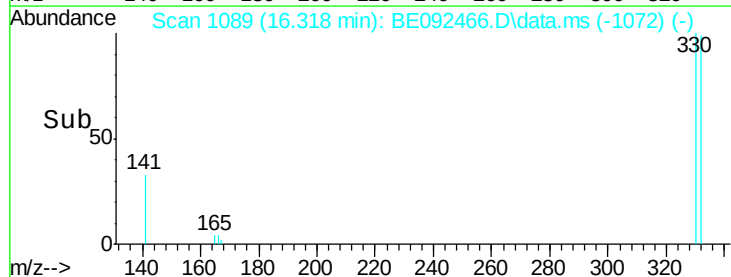
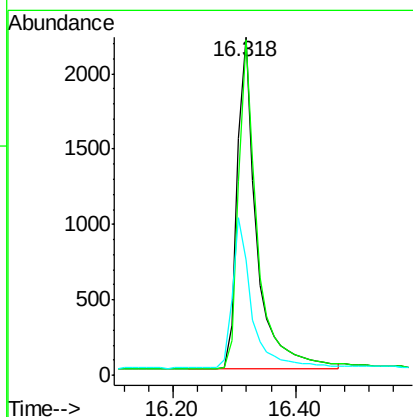
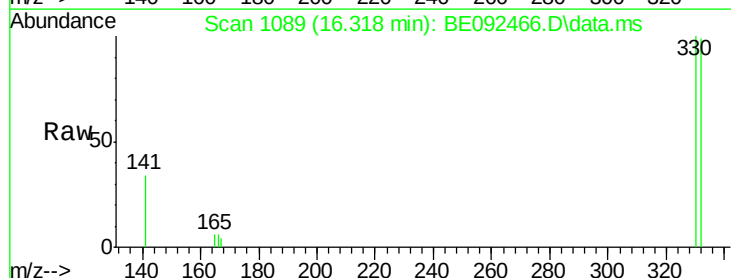
Tgt Ion:330 Resp: 4911

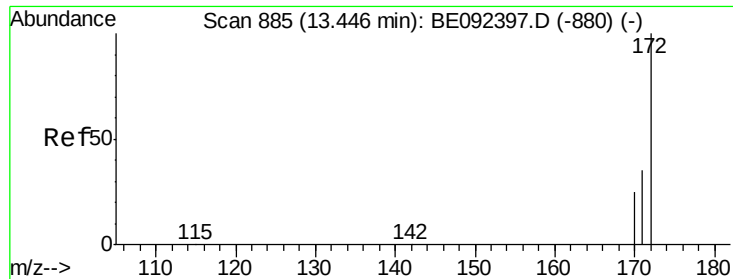
Ion Ratio Lower Upper

330 100

332 96.9 75.4 113.0

141 44.8 31.0 46.6

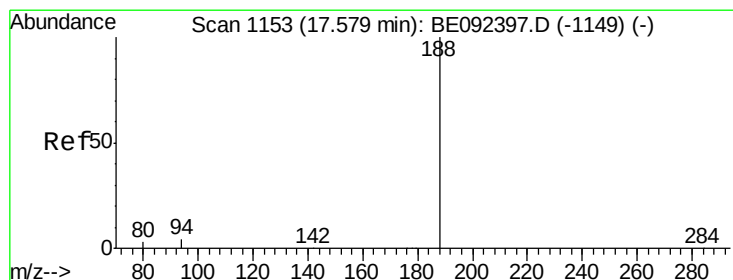
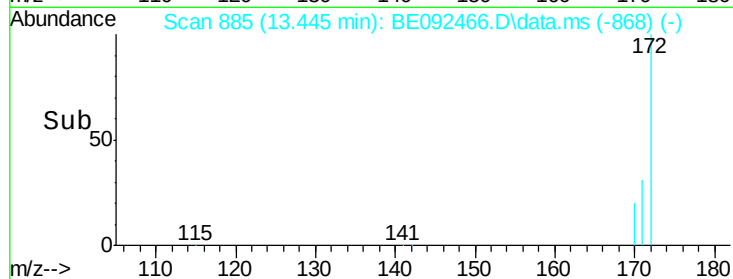
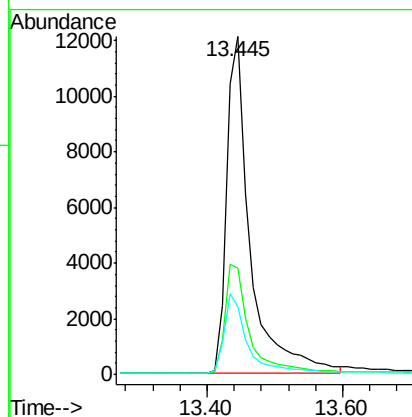
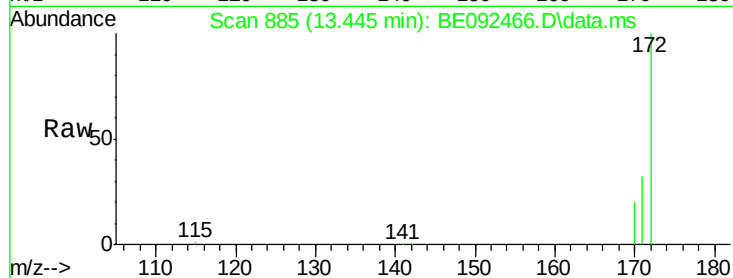




#14
2-Fluorobiphenyl
Concen: 4.21 ng
RT: 13.445 min Scan# 88
Delta R.T. 0.000 min
Lab File: BE092466.D
Acq: 21 Oct 2016 14:30

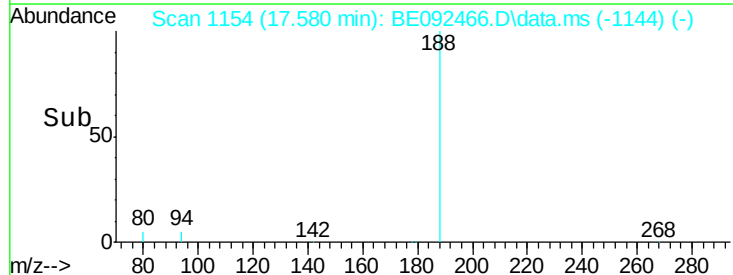
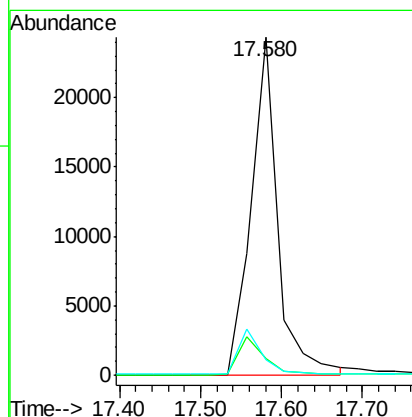
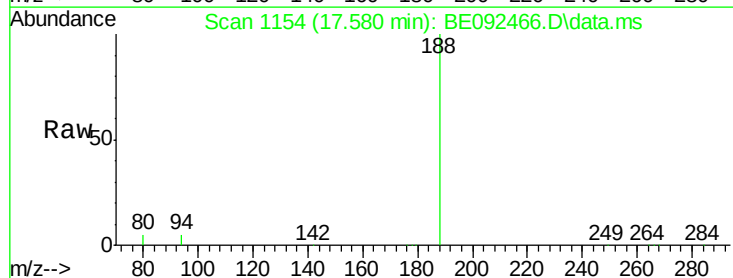
Instrument :
BNA_E
ClientSampleId :

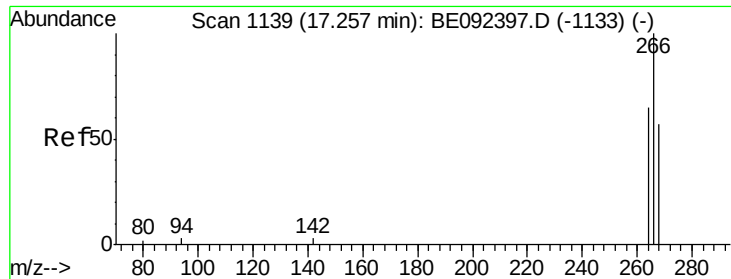
Tot Ion:172 Resp: 29519
Ion Ratio Lower Upper
172 100
171 31.6 30.1 45.1
170 20.2 21.8 32.6#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.580 min Scan# 1154
Delta R.T. 0.023 min
Lab File: BE092466.D
Acq: 21 Oct 2016 14:30

Tgt Ion:188 Resp: 55011
Ion Ratio Lower Upper
188 100
94 5.1 3.2 4.8#
80 4.8 2.6 3.8#





#20

Pentachlorophenol

Concen: 0.18 ng

RT: 17.280 min Scan# 11

Delta R.T. 0.023 min

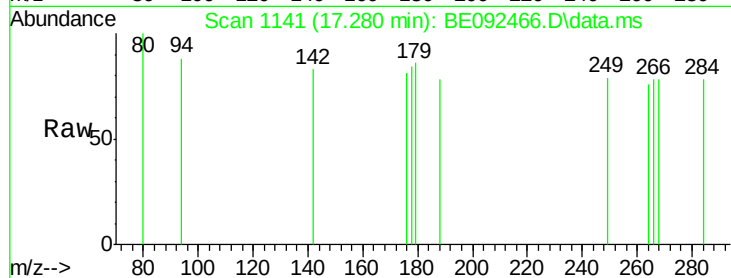
Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Instrument :

BNA_E

ClientSampleId :



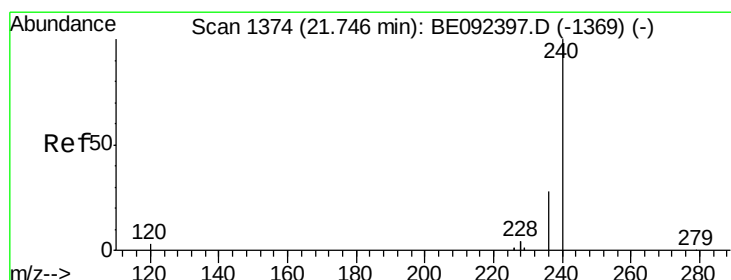
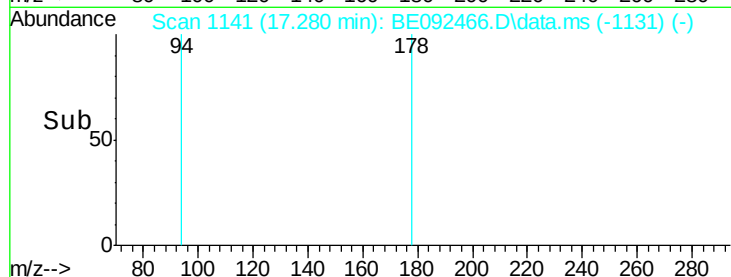
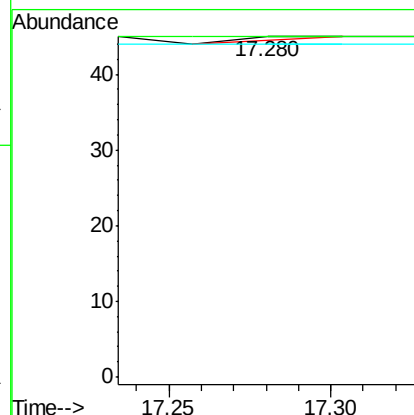
Tot Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

264 97.8 57.2 85.8#



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.746 min Scan# 1375

Delta R.T. -0.000 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

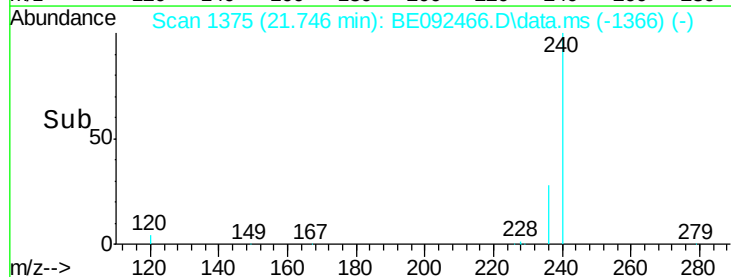
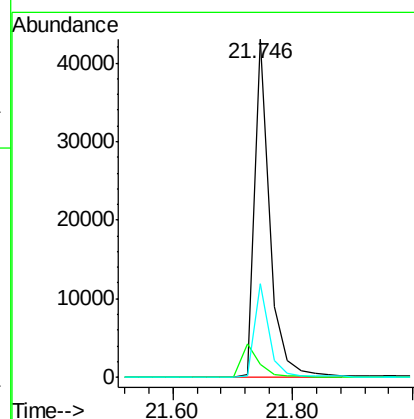
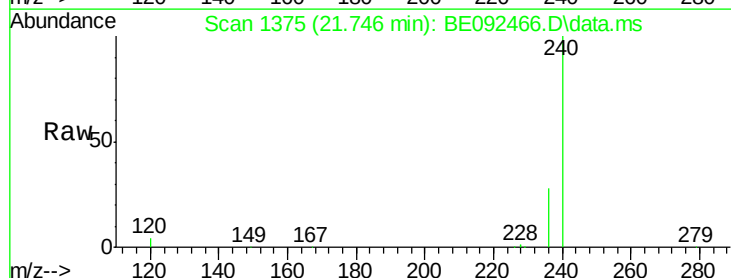
Tgt Ion:240 Resp: 76151

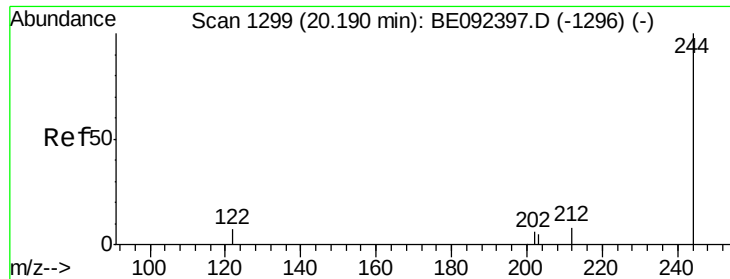
Ion Ratio Lower Upper

240 100

120 3.9 2.6 4.0

236 27.8 24.6 37.0





#26

Terphenyl-d14

Concen: 3.89 ng

RT: 20.173 min Scan# 12

Delta R.T. 0.000 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Instrument :

BNA_E

ClientSampleId :

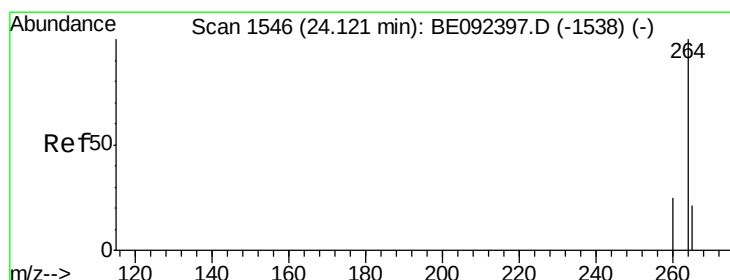
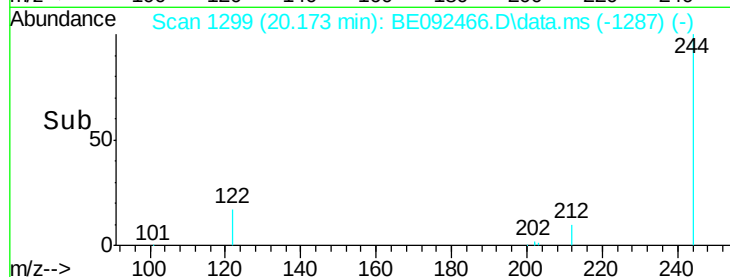
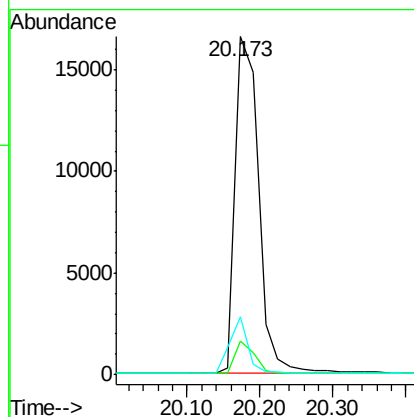
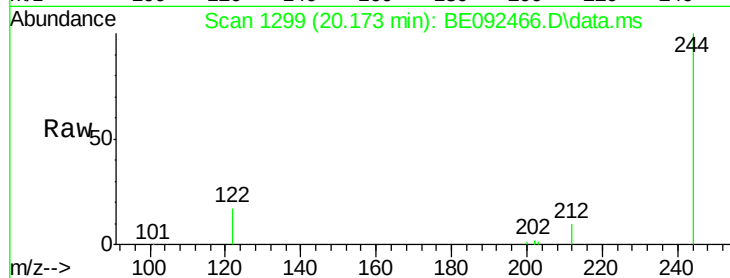
Tot Ion:244 Resp: 36708

Ion Ratio Lower Upper

244 100

212 10.0 6.7 10.1

122 17.2 3.6 5.4#



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.122 min Scan# 1547

Delta R.T. 0.035 min

Lab File: BE092466.D

Acq: 21 Oct 2016 14:30

Tgt Ion:264 Resp: 69516

Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

265 22.4 17.9 26.9

