

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100716\
 Data File : BE092446.D
 Acq On : 7 Oct 2016 14:02
 Operator : UM/SJ
 Sample : PB93840BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93840BS

Quant Time: Oct 07 23:17:49 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	8.16	152	10584	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	46755	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	29730	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	53998	5.00	ng	0.02
24) Chrysene-d12	21.75	240	87300	5.00	ng	0.00
31) Perylene-d12	24.11	264	73045	5.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.67	112	18306	7.34	ng	-0.02
5) Phenol-d6	7.33	99	24047	6.76	ng	-0.02
8) Nitrobenzene-d5	9.34	82	11412	3.44	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	6343	6.06	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	27751	3.94	ng	-0.01
26) Terphenyl-d14	20.17	244	37264	3.44	ng	0.00

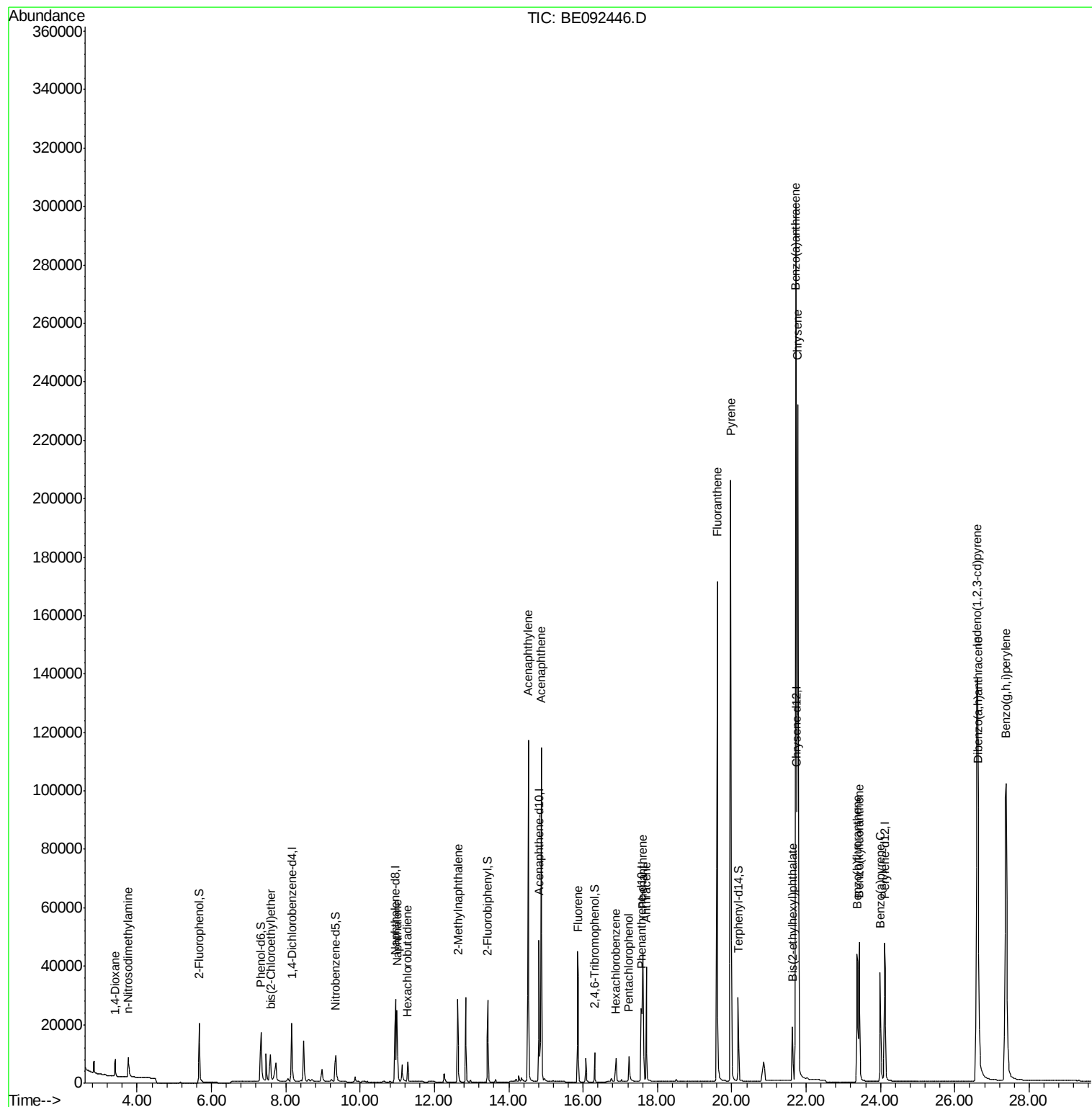
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	3752	3.28	ng	# 83
3) n-Nitrosodimethylamine	3.76	42	6023	3.64	ng	# 97
6) bis(2-Chloroethyl)ether	7.59	93	9847	3.54	ng	# 26
9) Naphthalene	10.99	128	35057	3.46	ng	# 95
10) Hexachlorobutadiene	11.28	225	5305	3.33	ng	99
11) 2-Methylnaphthalene	12.62	142	23408	3.49	ng	# 88
15) Acenaphthylene	14.53	152	154311	3.58	ng	100
16) Acenaphthene	14.87	154	22747	3.37	ng	91
17) Fluorene	15.87	166	30074	3.52	ng	99
19) Hexachlorobenzene	16.89	284	9120	3.95	ng	# 62
20) Pentachlorophenol	17.23	266	7394	8.73	ng	# 85
21) Phenanthrene	17.60	178	53475	4.31	ng	# 95
22) Anthracene	17.69	178	51951	4.35	ng	99
23) Fluoranthene	19.61	202	224996	3.82	ng	99
25) Pyrene	19.97	202	245511	3.25	ng	99
27) Benzo(a)anthracene	21.72	228	304957m	3.58	ng	
28) Chrysene	21.77	228	276218m	3.55	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	25831	3.53	ng	# 76
30) Indeno(1,2,3-cd)pyrene	26.60	276	305512	3.70	ng	98
32) Benzo(b)fluoranthene	23.37	252	71824	4.06	ng	94
33) Benzo(k)fluoranthene	23.43	252	64977	3.51	ng	94
34) Benzo(a)pyrene	24.00	252	66443	3.83	ng	93
35) Dibenzo(a,h)anthracene	26.63	278	63228	3.98	ng	95
36) Benzo(g,h,i)perylene	27.38	276	262402	3.84	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

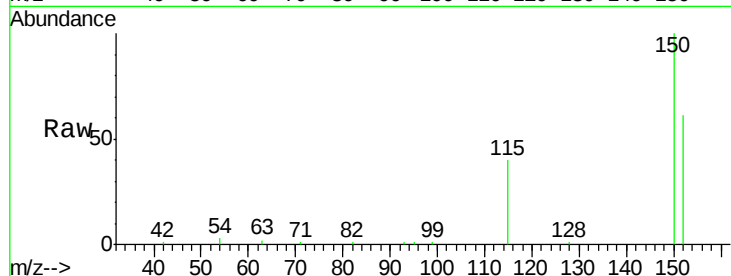
Tot Ion:152 Resp: 10584

Ion Ratio Lower Upper

152 100

150 164.3 106.0 159.0#

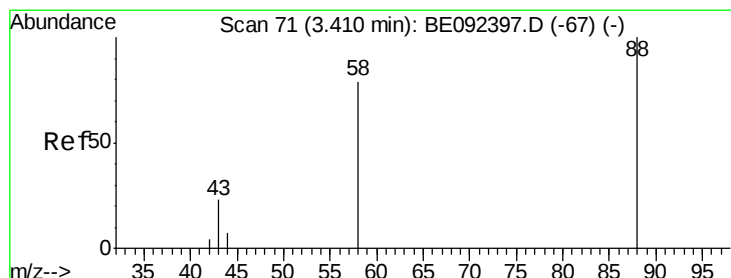
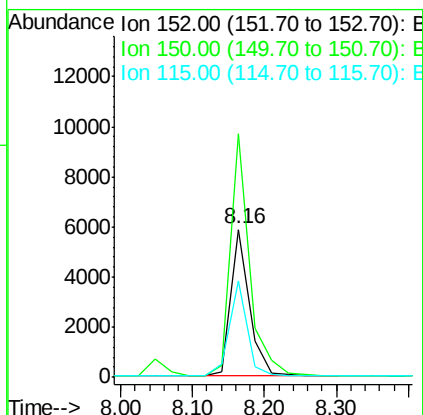
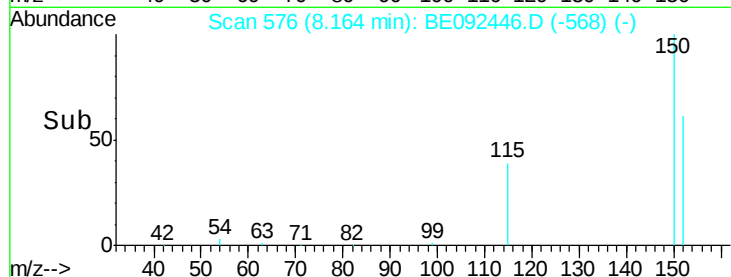
115 65.2 31.2 46.8#



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: 3.28 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

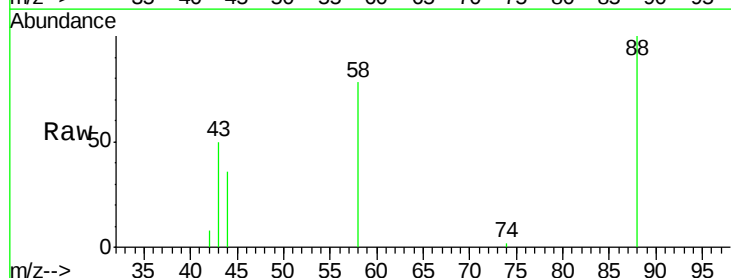
Tgt Ion: 88 Resp: 3752

Ion Ratio Lower Upper

88 100

58 89.6 63.6 95.4

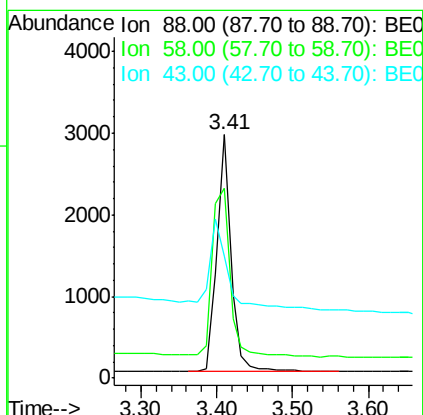
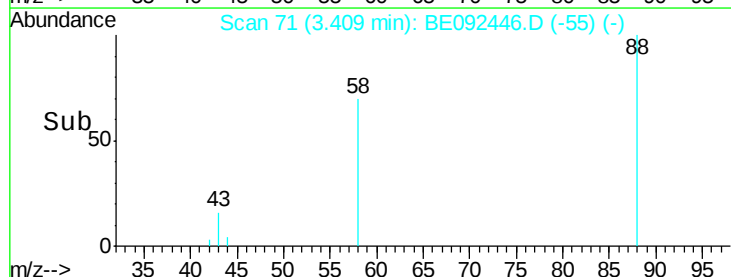
43 51.2 28.0 42.0#

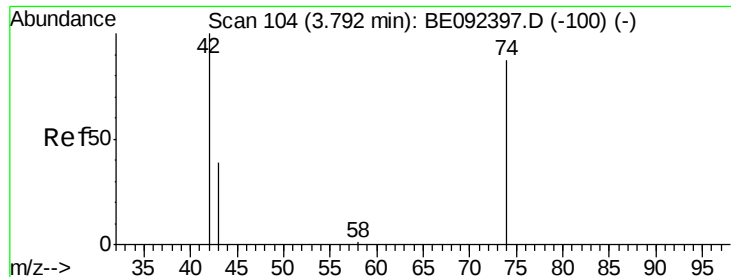


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



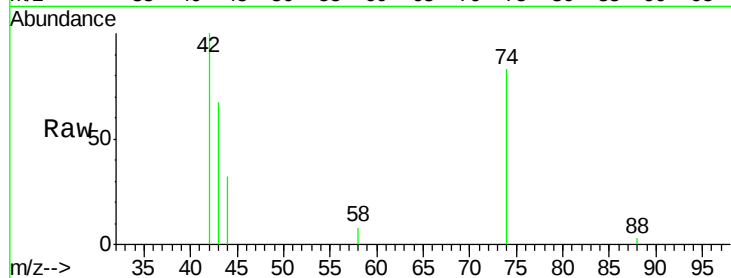


#3

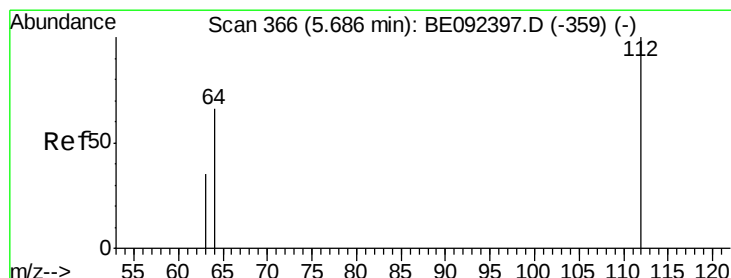
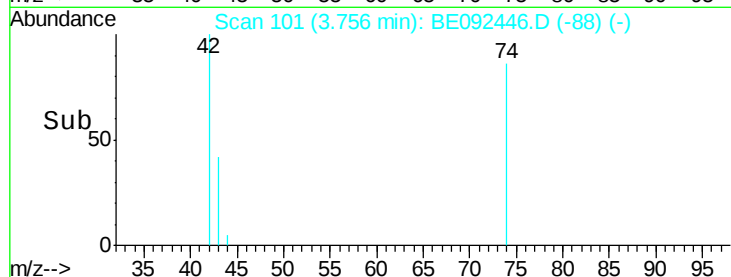
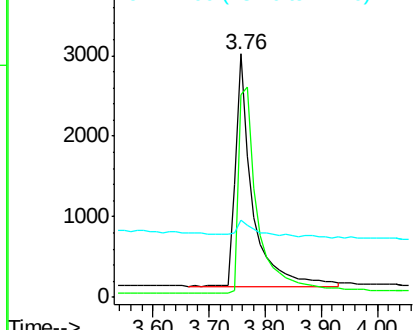
n-Nitrosodimethylamine
 Concen: 3.64 ng
 RT: 3.76 min Scan# 101
 Delta R.T. -0.05 min
 Lab File: BE092446.D
 Acq: 7 Oct 2016 14:02

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 ClientSampleId :
 PB93840BS

Tot Ion: 42 Resp: 6023
 Ion Ratio Lower Upper
 42 100
 74 104.7 86.0 129.0
 44 11.5 5.1 7.7#



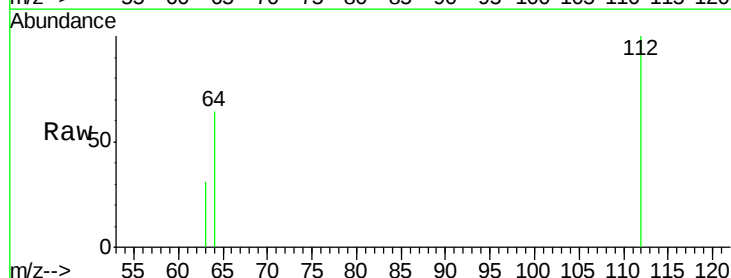
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



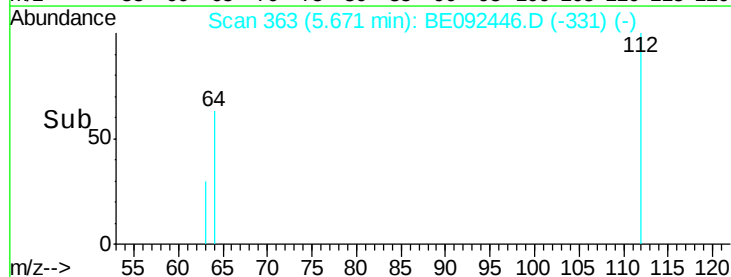
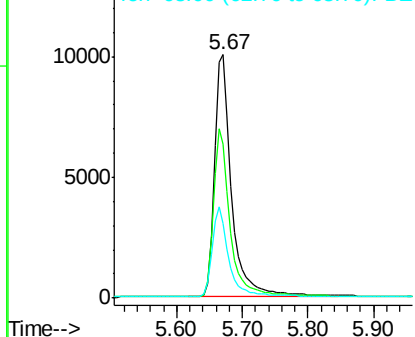
#4

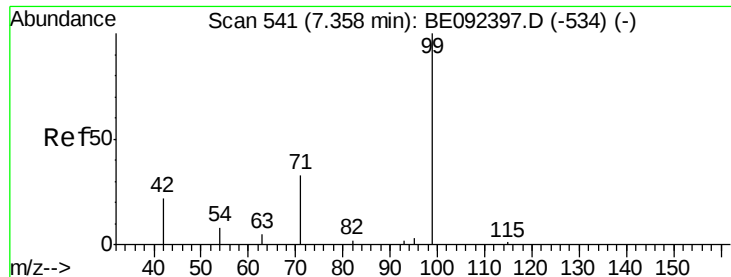
2-Fluorophenol
 Concen: 7.34 ng
 RT: 5.67 min Scan# 363
 Delta R.T. -0.02 min
 Lab File: BE092446.D
 Acq: 7 Oct 2016 14:02

Tgt Ion: 112 Resp: 18306
 Ion Ratio Lower Upper
 112 100
 64 67.7 53.5 80.3
 63 36.1 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.76 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

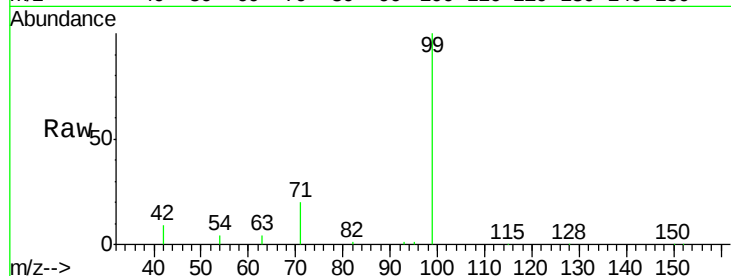
Tot Ion: 99 Resp: 24047

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

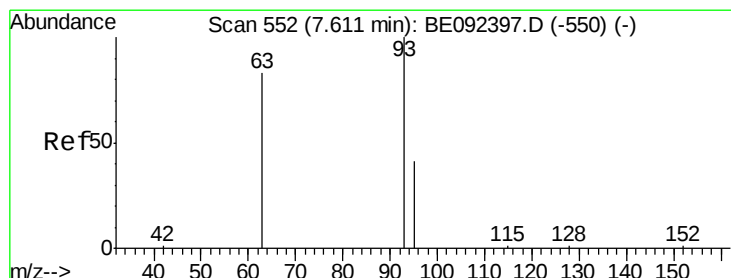
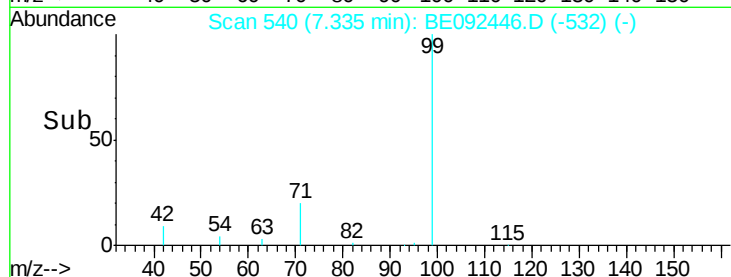
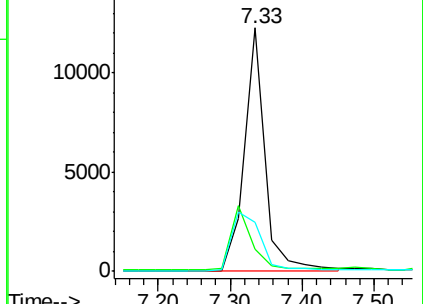
71 0.0 30.6 45.8#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.54 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

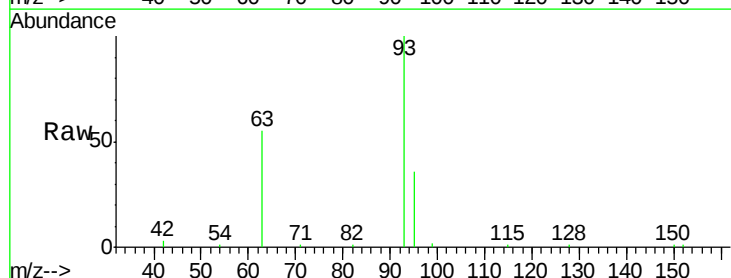
Tgt Ion: 93 Resp: 9847

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

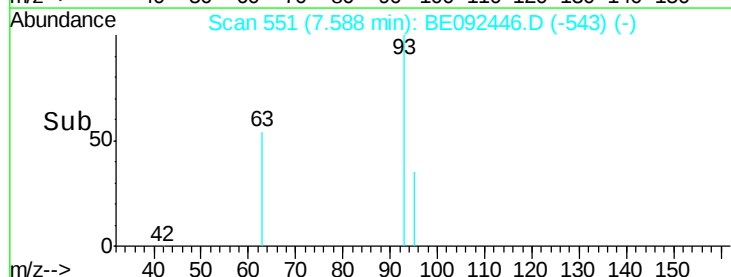
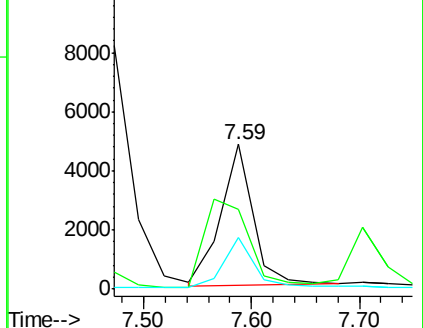
95 34.8 24.0 36.0

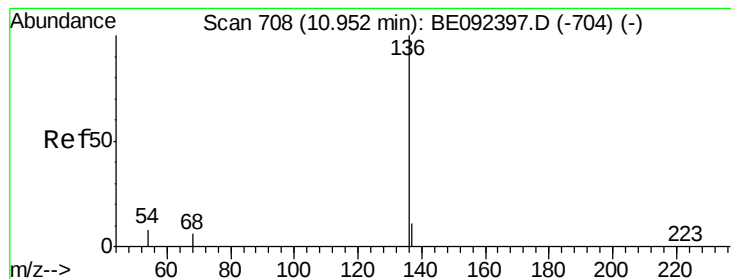


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

Tot Ion:136 Resp: 46755

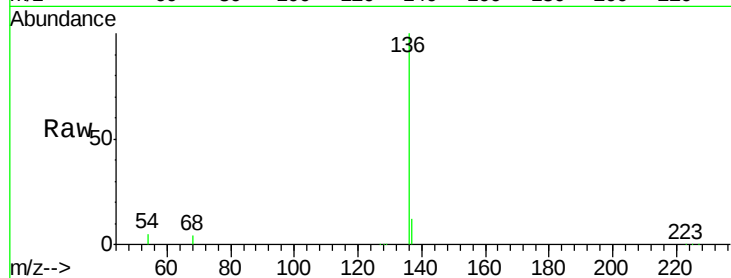
Ion Ratio Lower Upper

136 100

137 11.7 8.2 12.4

54 4.9 9.6 14.4#

68 4.0 6.7 10.1#

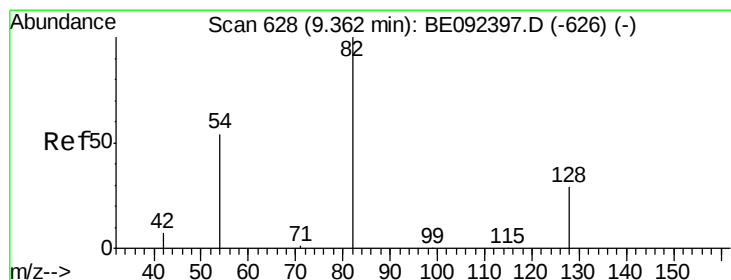
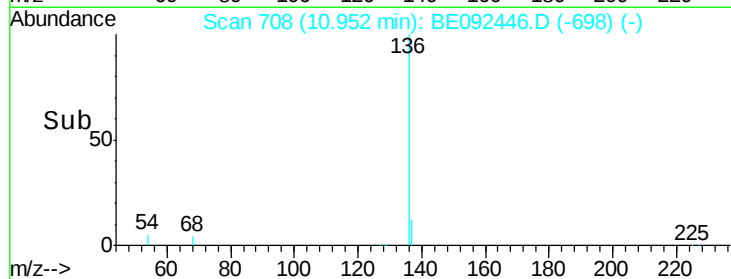
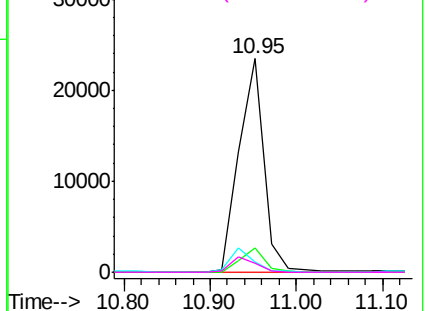


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.44 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

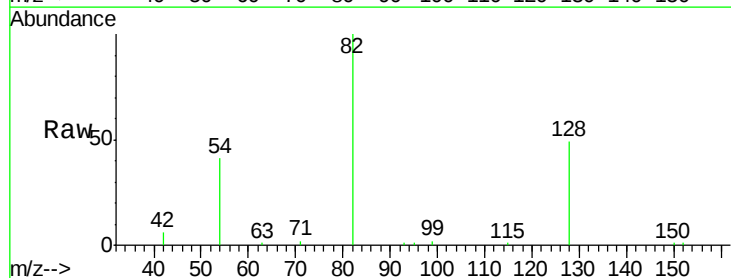
Tgt Ion: 82 Resp: 11412

Ion Ratio Lower Upper

82 100

128 49.3 39.0 58.4

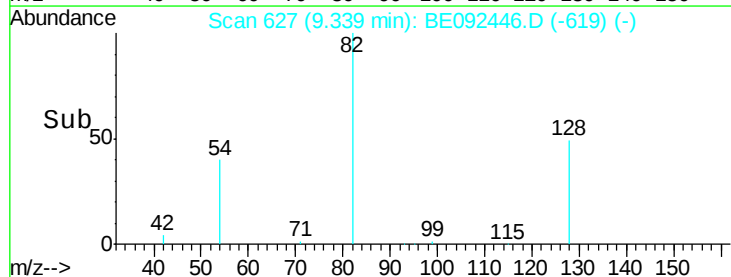
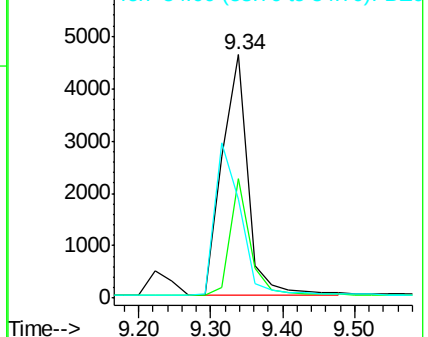
54 40.6 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.46 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

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PB93840BS

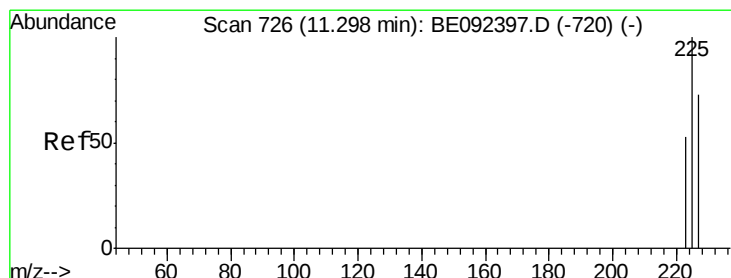
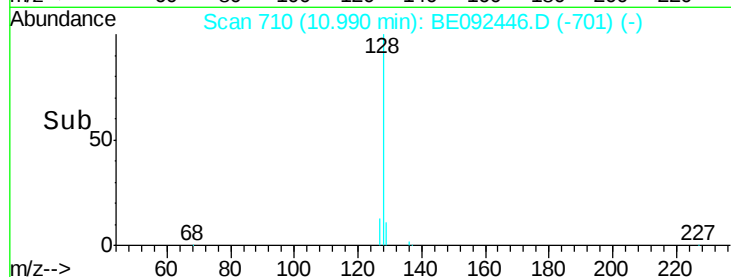
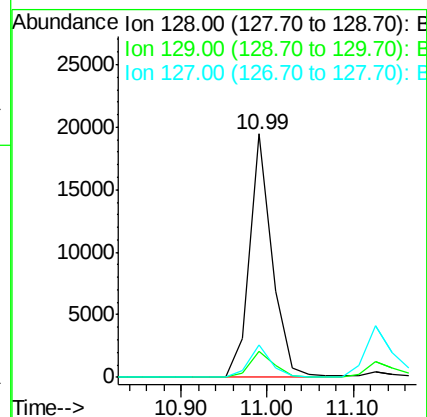
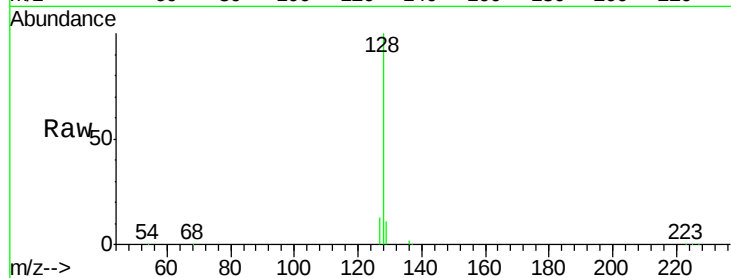
Tot Ion:128 Resp: 35057

Ion Ratio Lower Upper

128 100

129 10.9 11.2 16.8#

127 13.4 11.6 17.4



#10

Hexachlorobutadiene

Concen: 3.33 ng

RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

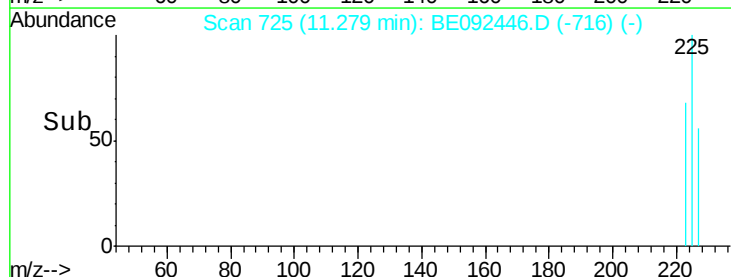
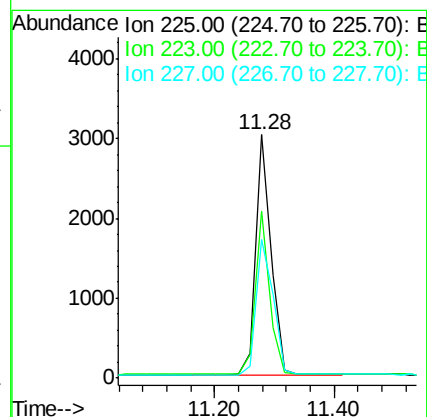
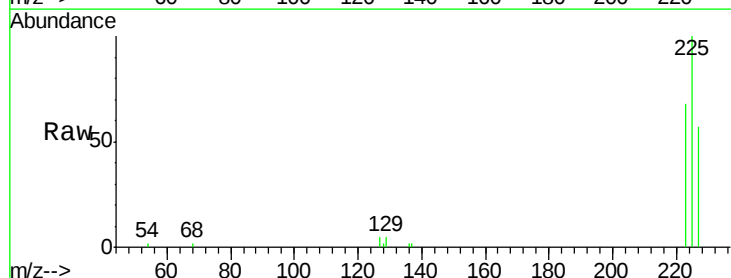
Tgt Ion:225 Resp: 5305

Ion Ratio Lower Upper

225 100

223 63.4 50.6 76.0

227 62.2 51.4 77.0





#11

2-Methylnaphthalene

Concen: 3.49 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

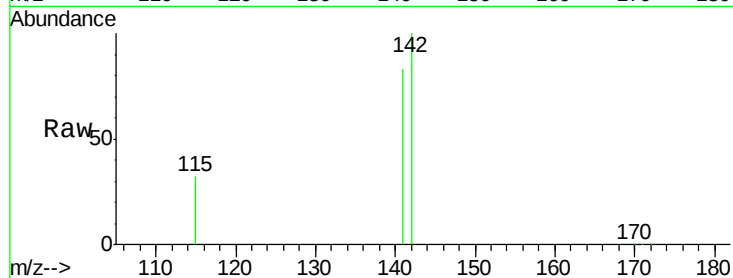
Tot Ion:142 Resp: 23408

Ion Ratio Lower Upper

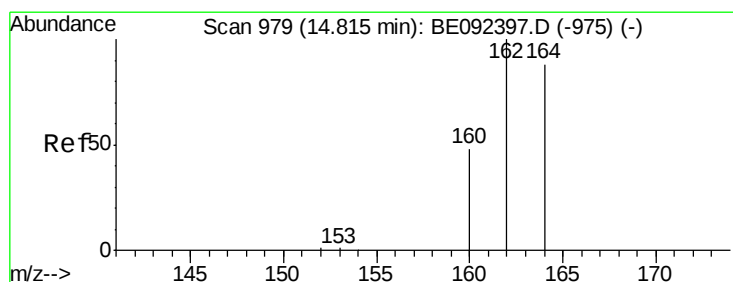
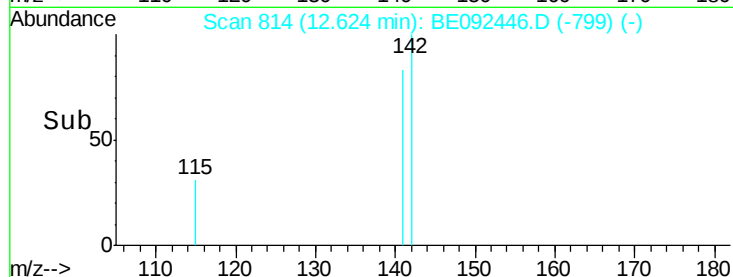
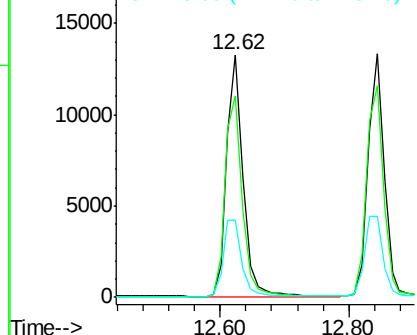
142 100

141 82.9 73.7 110.5

115 31.7 34.0 51.0#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

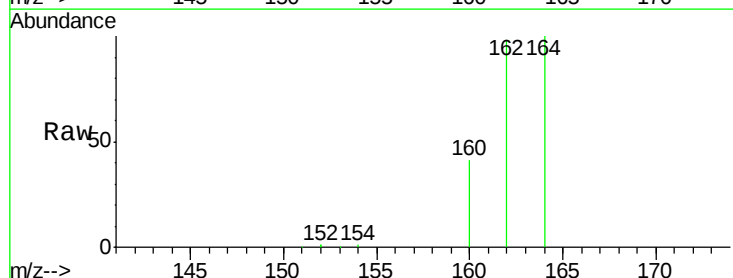
Tgt Ion:164 Resp: 29730

Ion Ratio Lower Upper

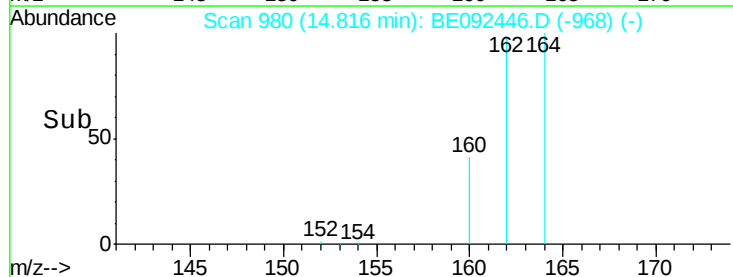
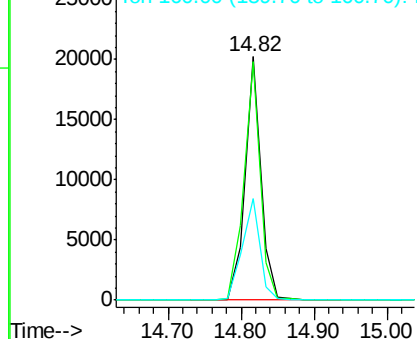
164 100

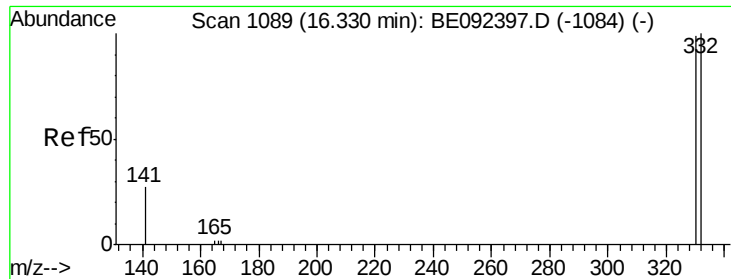
162 97.9 71.4 107.0

160 41.4 27.4 41.2#



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

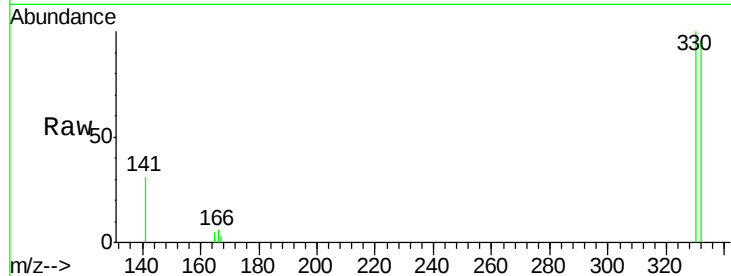




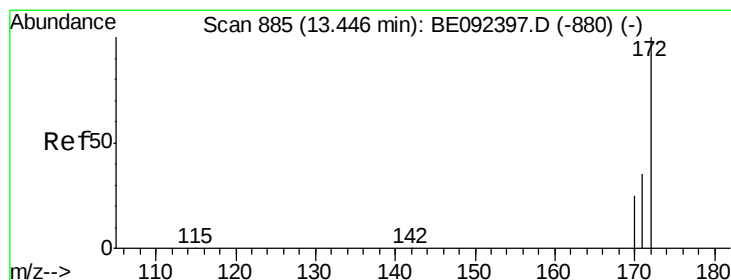
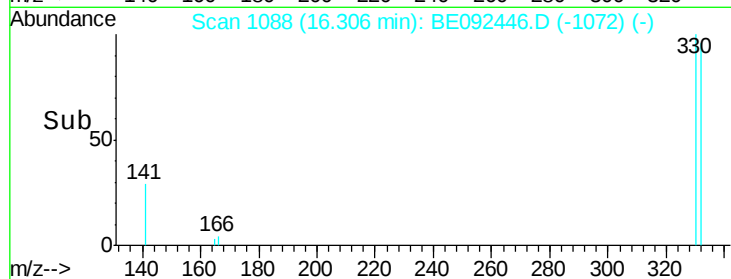
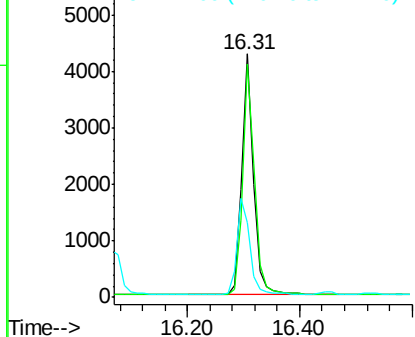
#13
 2,4,6-Tribromophenol
 Concen: 6.06 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092446.D
 Acq: 7 Oct 2016 14:02

Instrument :
 BNA_E
 ClientSampleId :
 PB93840BS

Tot Ion:330 Resp: 6343
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.0
 141 43.0 31.0 46.6

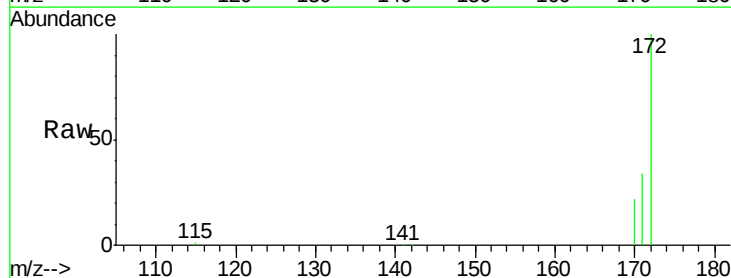


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

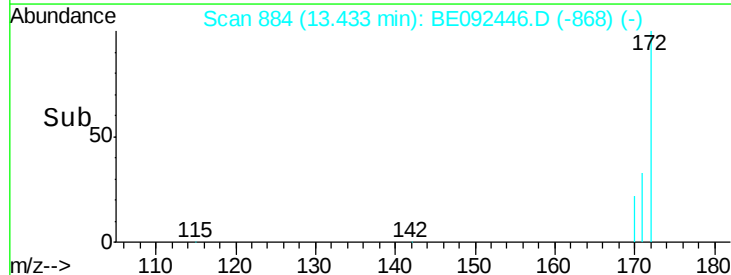
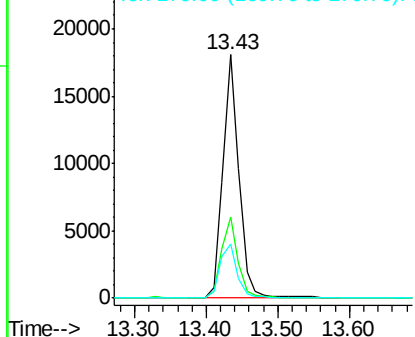


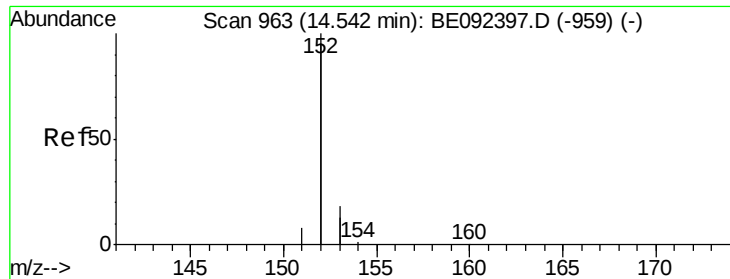
#14
 2-Fluorobiphenyl
 Concen: 3.94 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092446.D
 Acq: 7 Oct 2016 14:02

Tgt Ion:172 Resp: 27751
 Ion Ratio Lower Upper
 172 100
 171 33.5 30.1 45.1
 170 22.2 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 3.58 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

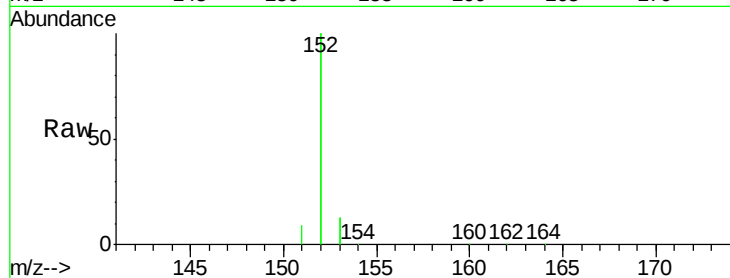
Tot Ion:152 Resp: 154311

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

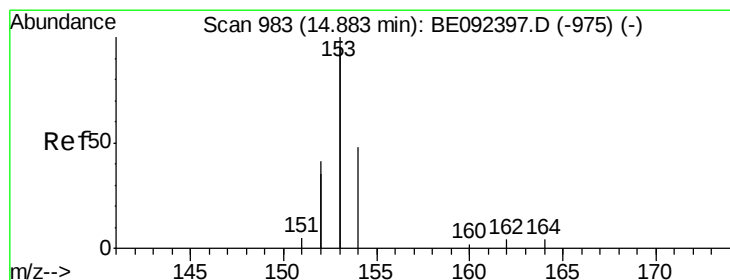
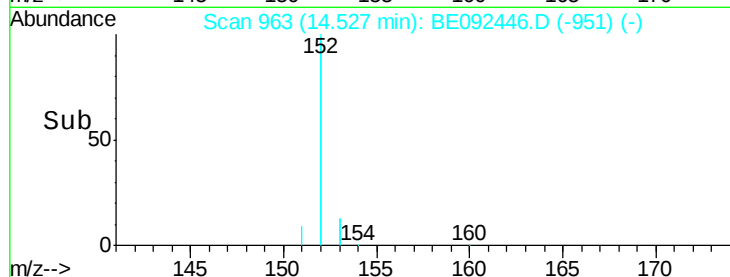
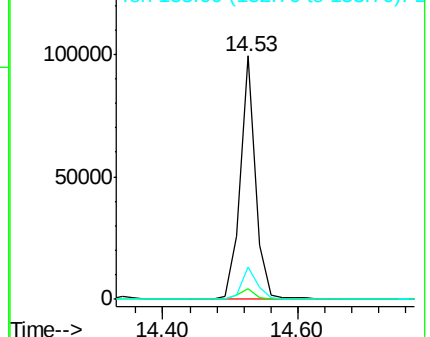
153 13.1 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 3.37 ng

RT: 14.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

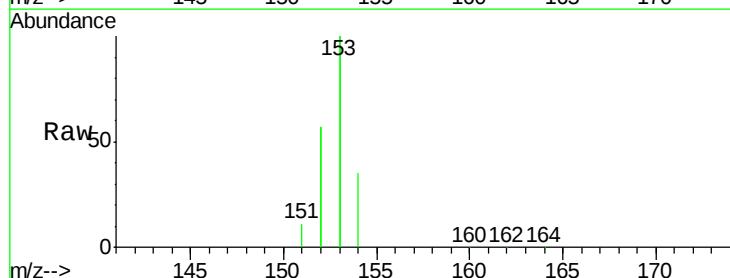
Tgt Ion:154 Resp: 22747

Ion Ratio Lower Upper

154 100

153 459.2 350.8 526.2

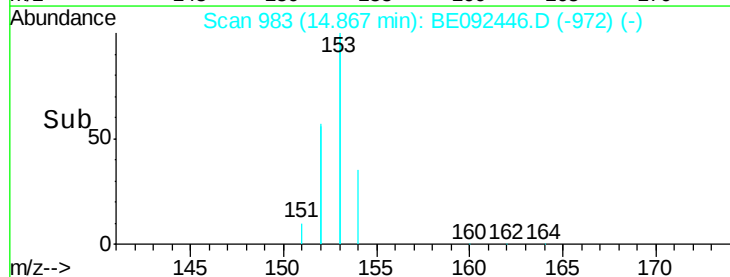
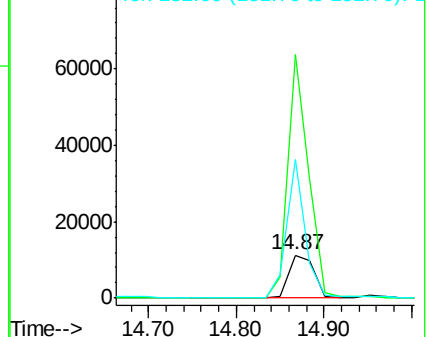
152 232.7 171.1 256.7

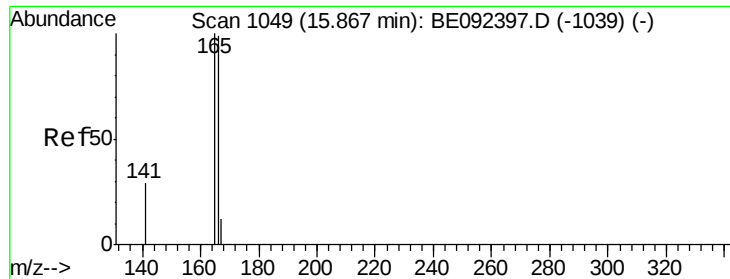


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 3.52 ng

RT: 15.87 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

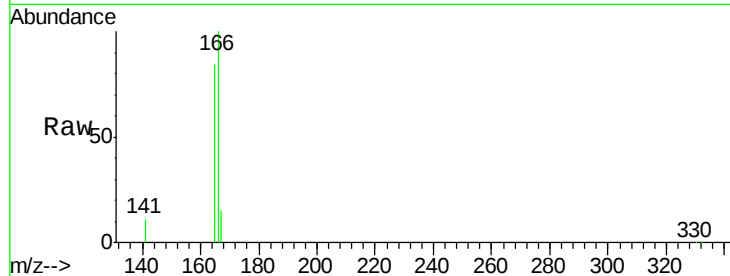
Tot Ion:166 Resp: 30074

Ion Ratio Lower Upper

166 100

165 98.8 78.2 117.4

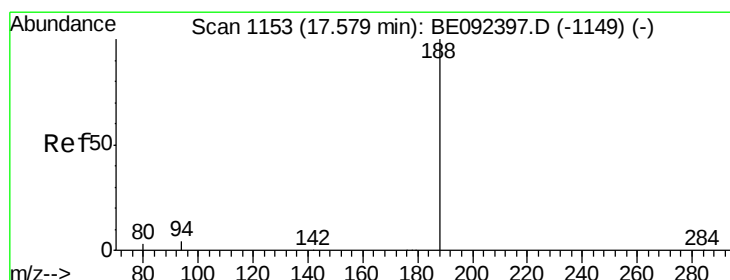
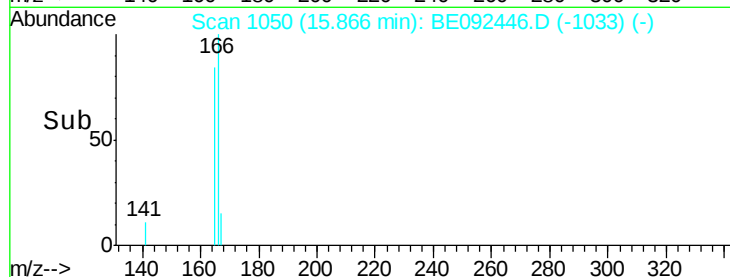
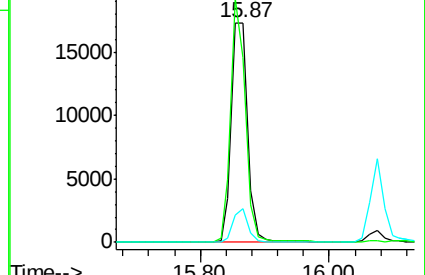
167 13.6 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

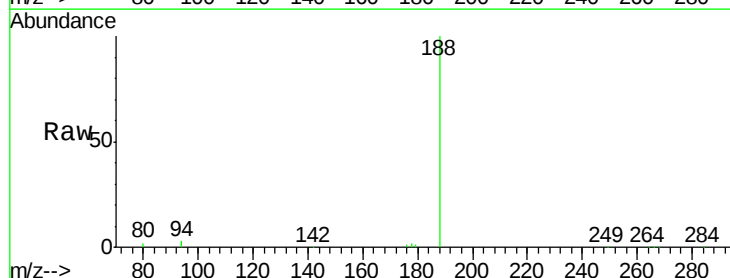
Tgt Ion:188 Resp: 53998

Ion Ratio Lower Upper

188 100

94 2.6 3.2 4.8#

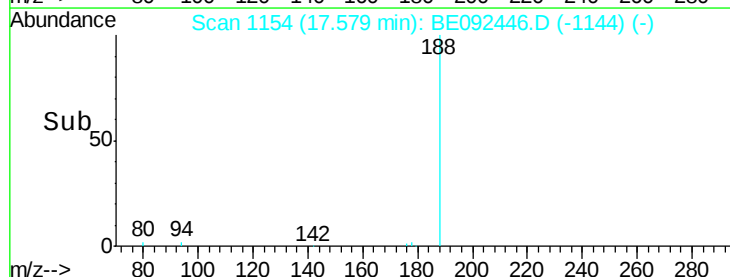
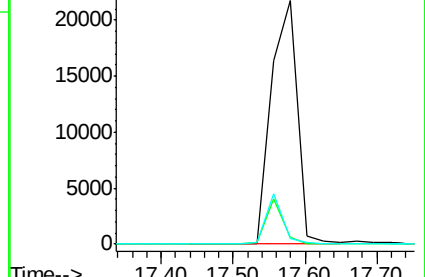
80 2.0 2.6 3.8#



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

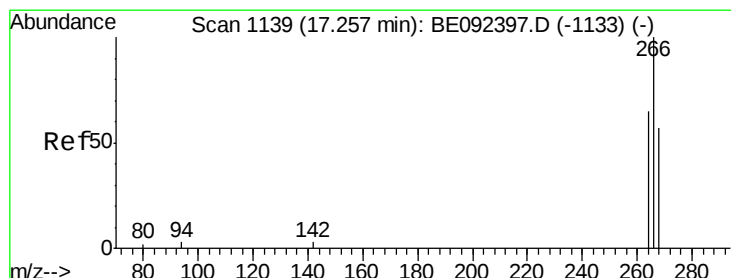
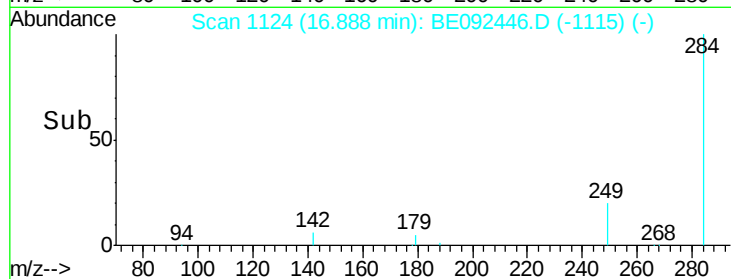
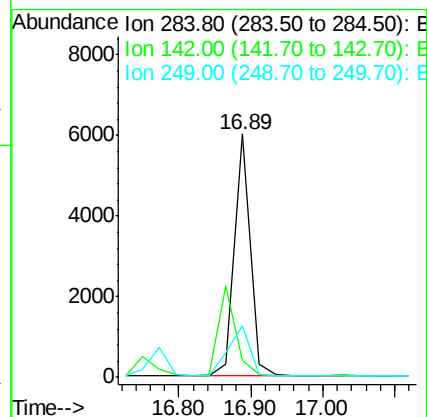
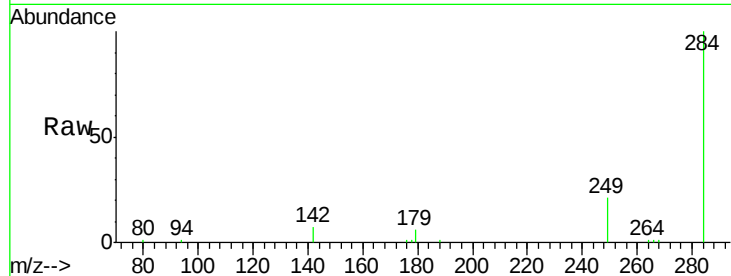




#19
Hexachlorobenzene
Concen: 3.95 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092446.D
Acq: 7 Oct 2016 14:02

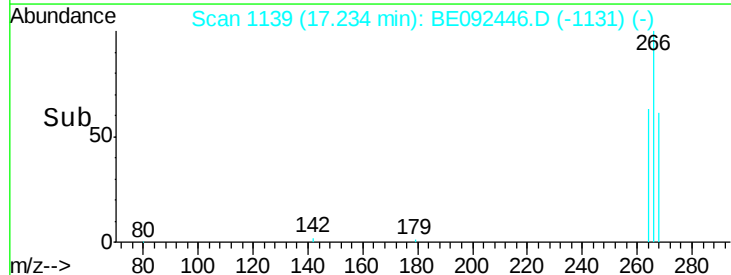
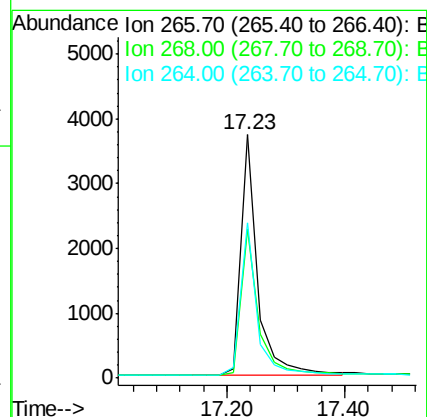
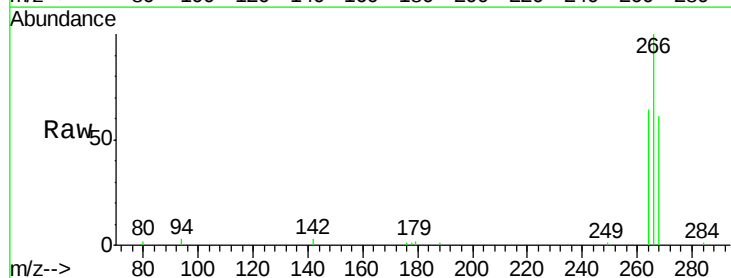
Instrument :
BNA_E
ClientSampleId :
PB93840BS

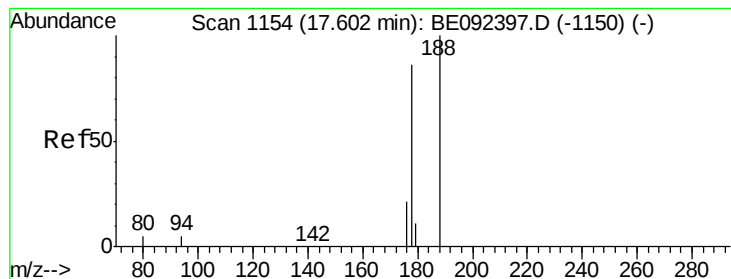
Tot Ion:284 Resp: 9120
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 27.3 27.9 41.9#



#20
Pentachlorophenol
Concen: 8.73 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092446.D
Acq: 7 Oct 2016 14:02

Tgt Ion:266 Resp: 7394
Ion Ratio Lower Upper
266 100
268 61.1 62.5 93.7#
264 63.6 57.2 85.8





#21

Phenanthrene

Concen: 4.31 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

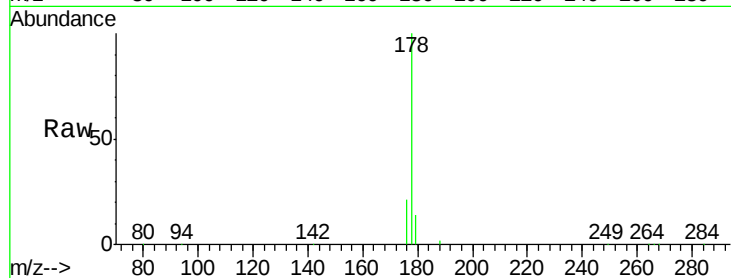
Tot Ion:178 Resp: 53475

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

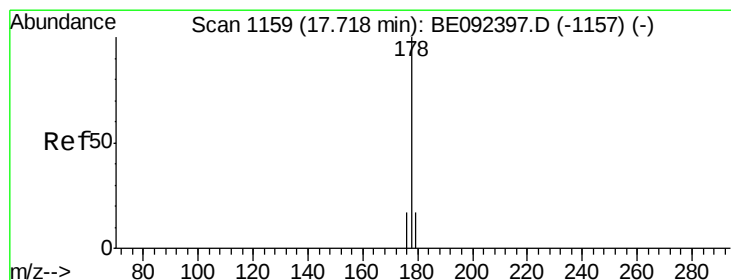
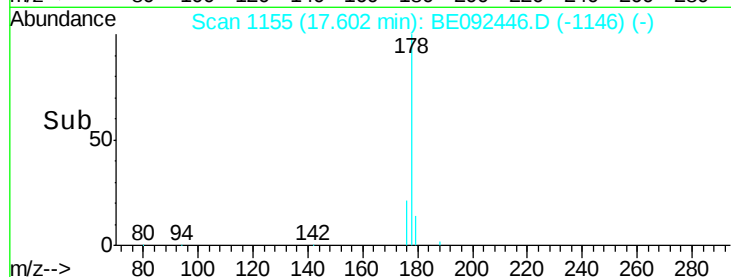
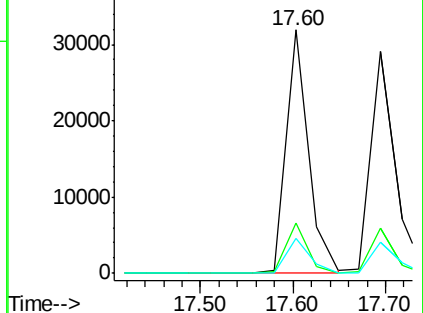
179 15.1 16.0 24.0#



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

Anthracene

Concen: 4.35 ng

RT: 17.69 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

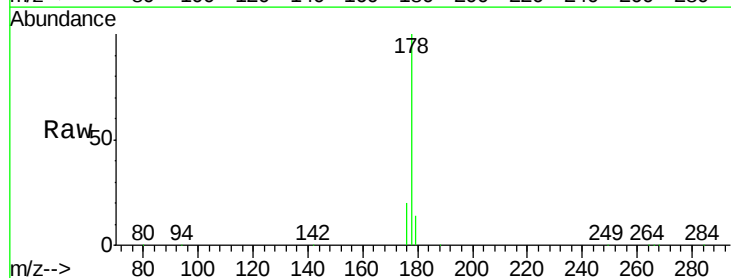
Tgt Ion:178 Resp: 51951

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.4

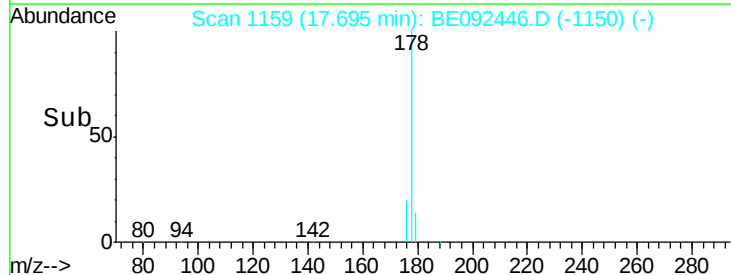
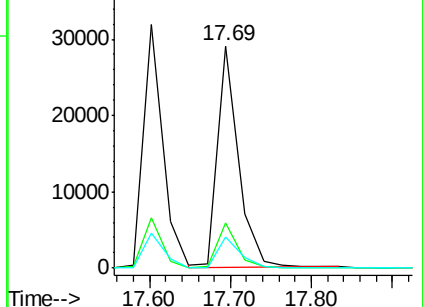
179 14.7 12.2 18.2

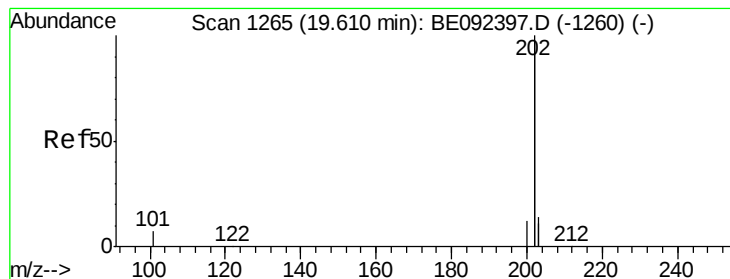


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 3.82 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

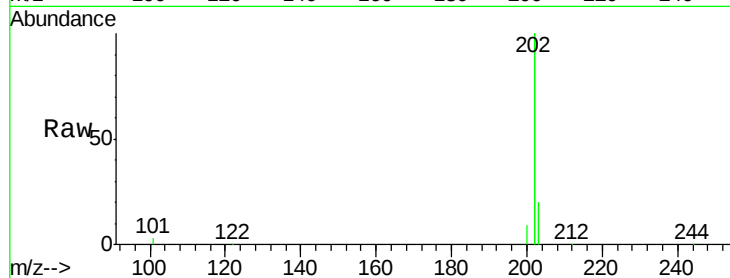
Tot Ion:202 Resp: 224996

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

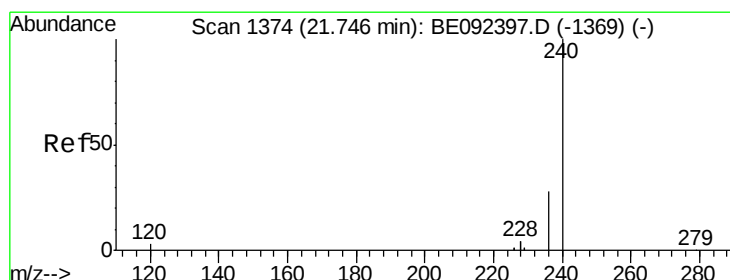
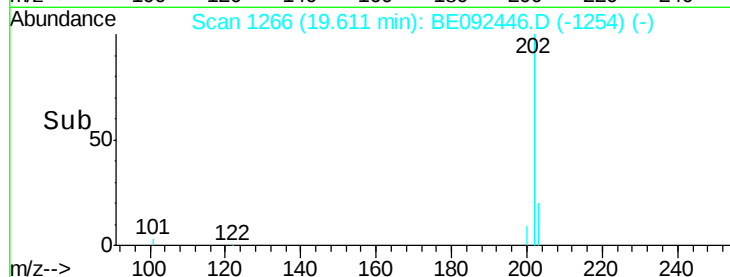
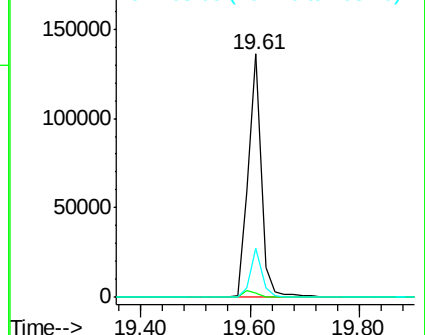
203 17.7 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

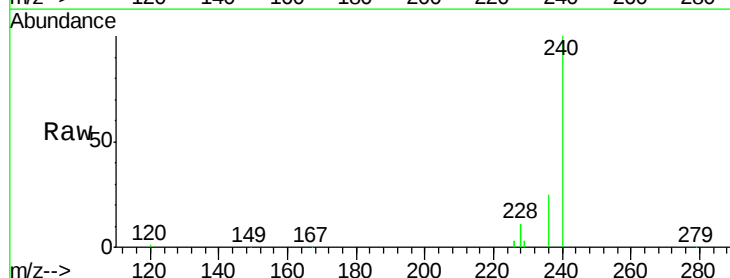
Tgt Ion:240 Resp: 87300

Ion Ratio Lower Upper

240 100

120 1.3 2.6 4.0#

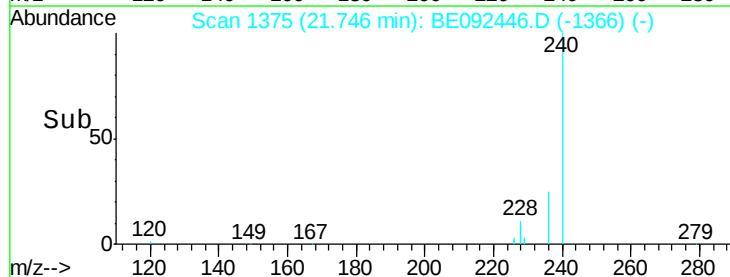
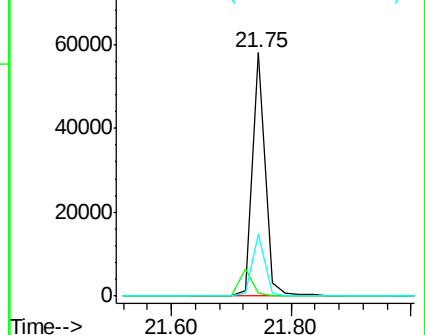
236 25.5 24.6 37.0



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

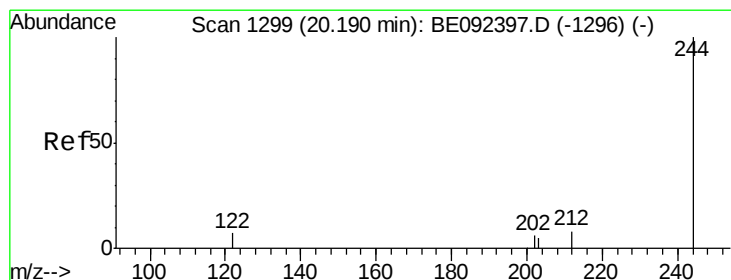
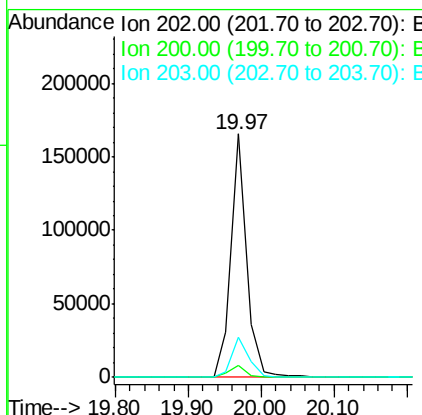
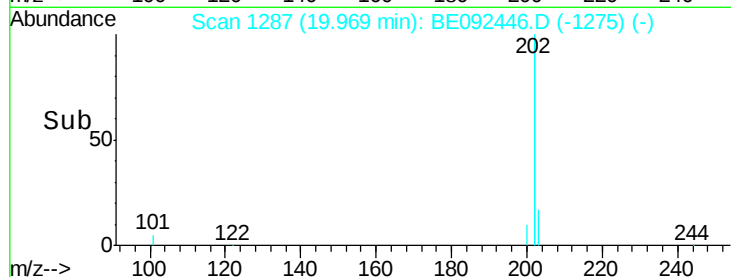
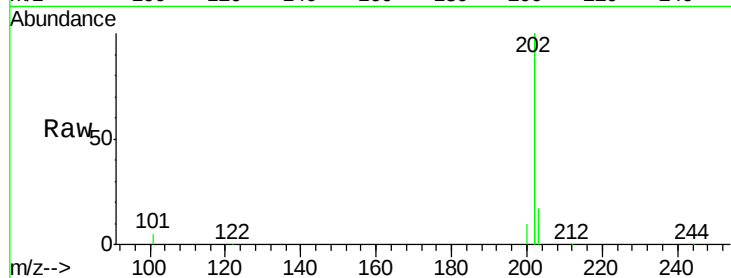




#25
Pvrene
Concen: 3.25 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092446.D
Acq: 7 Oct 2016 14:02

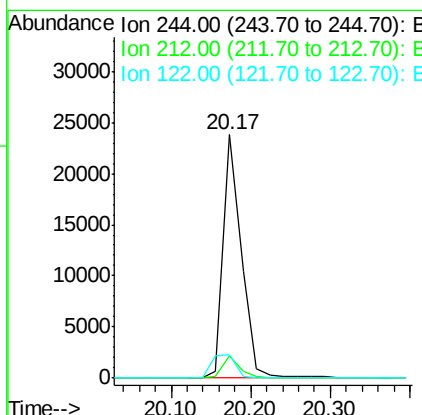
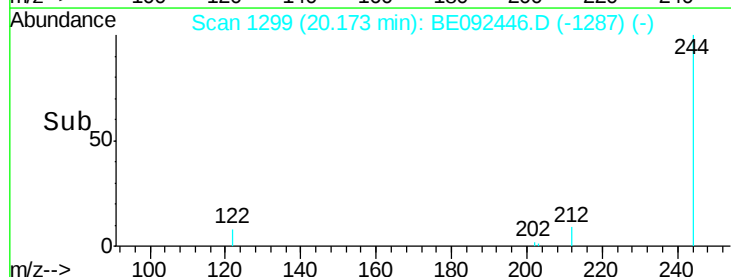
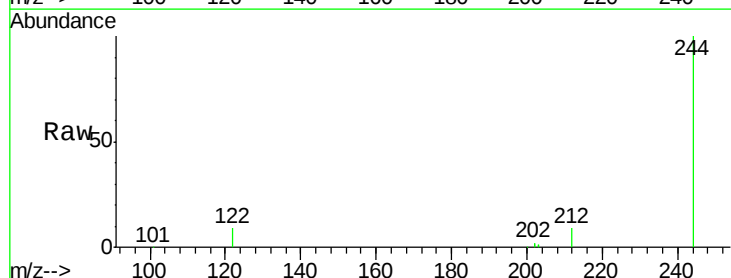
Instrument :
BNA_E
ClientSampleId :
PB93840BS

Tot Ion:202 Resp: 245511
Ion Ratio Lower Upper
202 100
200 5.3 4.2 6.4
203 17.9 13.9 20.9



#26
Terphenyl-d14
Concen: 3.44 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092446.D
Acq: 7 Oct 2016 14:02

Tgt Ion:244 Resp: 37264
Ion Ratio Lower Upper
244 100
212 9.0 6.7 10.1
122 9.4 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 3.58 ng m

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

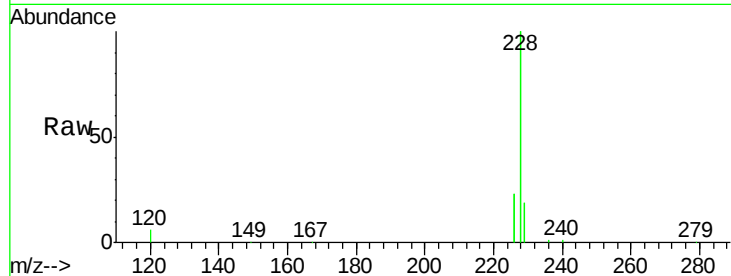
Tot Ion:228 Resp: 304957

Ion Ratio Lower Upper

228 100

226 22.7 23.6 35.4#

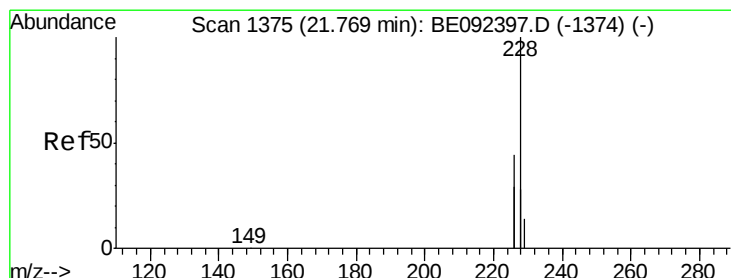
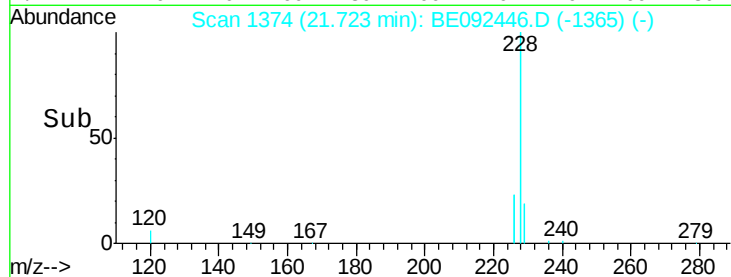
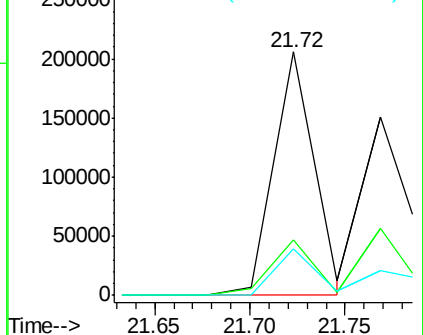
229 19.2 13.3 19.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#28

Chrysene

Concen: 3.55 ng m

RT: 21.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

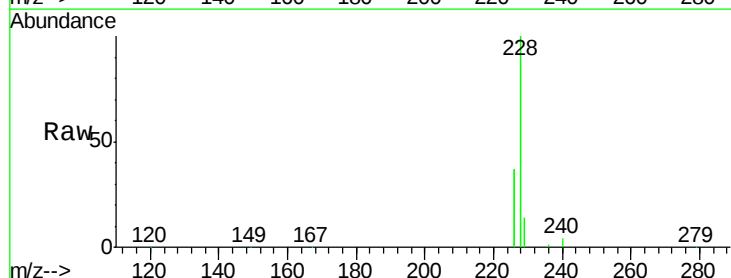
Tgt Ion:228 Resp: 276218

Ion Ratio Lower Upper

228 100

226 37.4 36.3 54.5

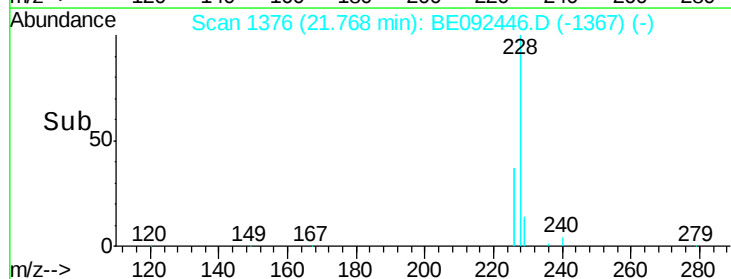
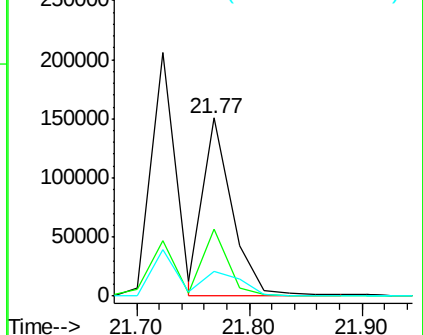
229 13.6 10.6 16.0

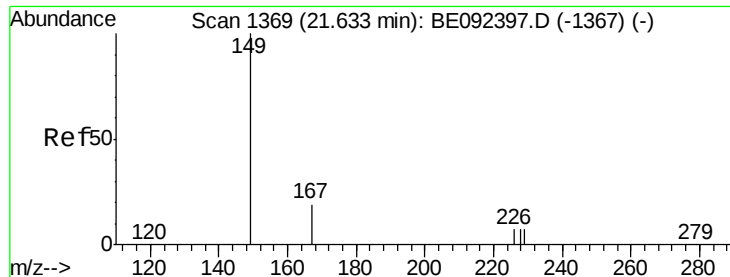


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 3.53 ng

RT: 21.63 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

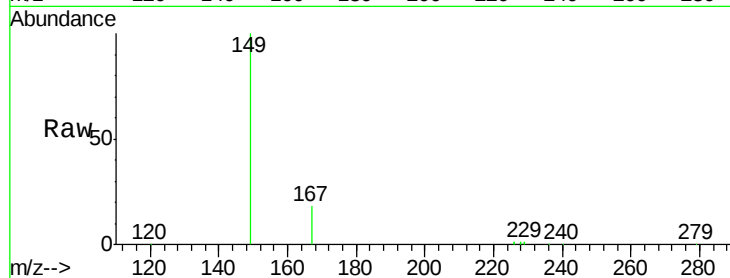
Tot Ion:149 Resp: 25831

Ion Ratio Lower Upper

149 100

167 21.9 16.0 24.0

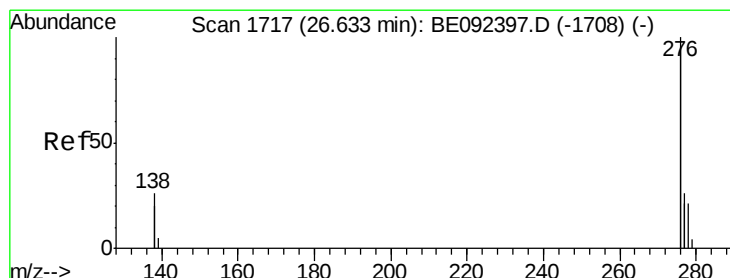
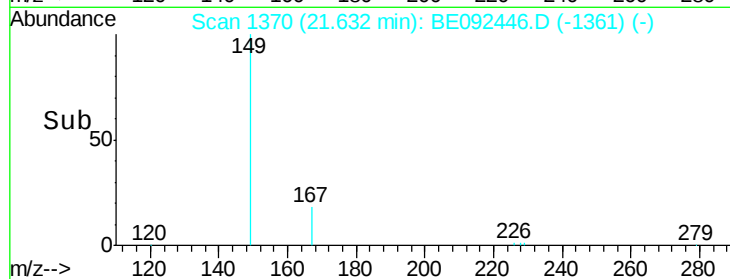
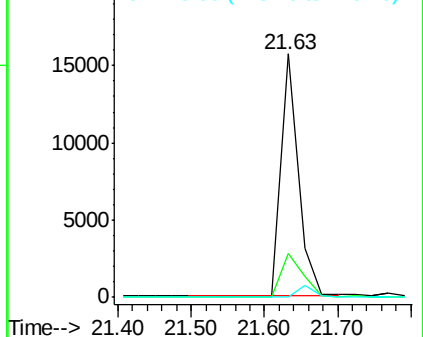
279 0.0 16.0 24.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 3.70 ng

RT: 26.60 min Scan# 1716

Delta R.T. 0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

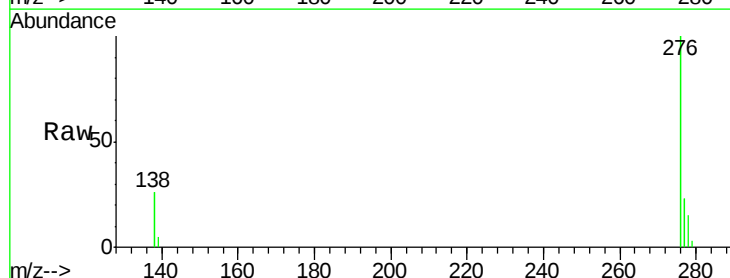
Tgt Ion:276 Resp: 305512

Ion Ratio Lower Upper

276 100

138 26.7 20.3 30.5

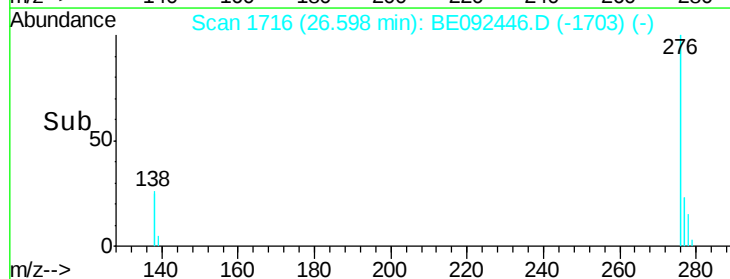
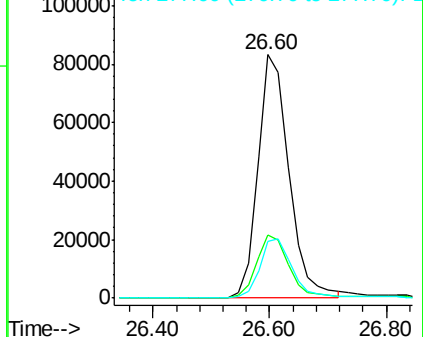
277 24.8 19.7 29.5

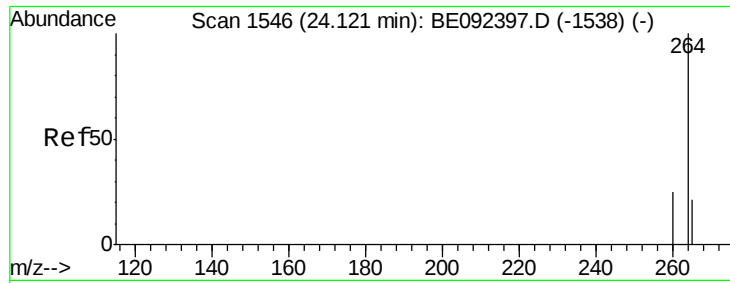


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



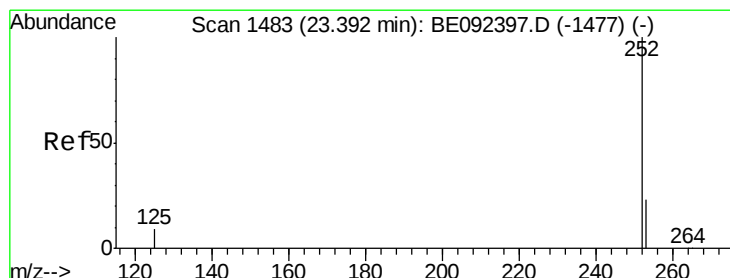
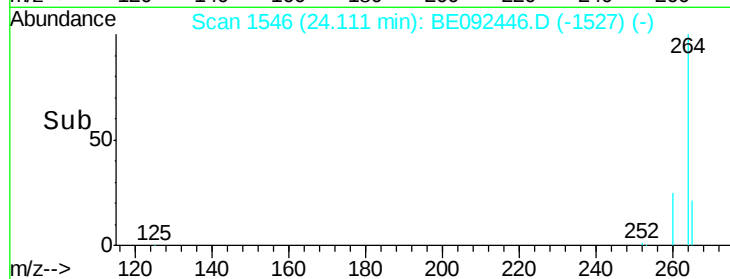
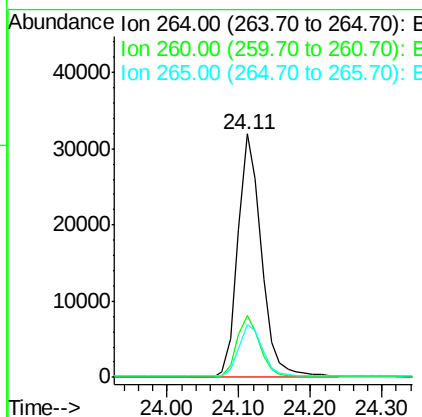
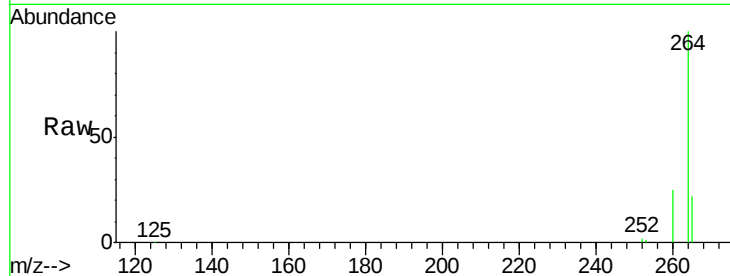


#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. 0.02 min
Lab File: BE092446.D
Acq: 7 Oct 2016 14:02

Instrument :
BNA_E
ClientSampleId :
PB93840BS

Tot Ion:264 Resp: 73045

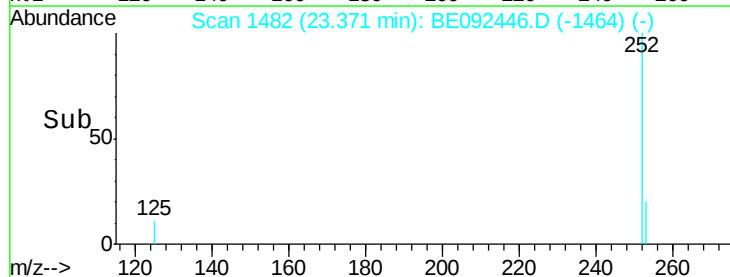
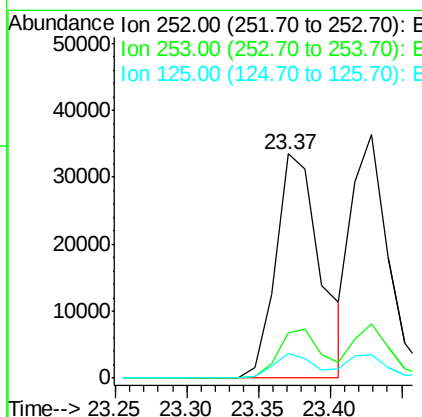
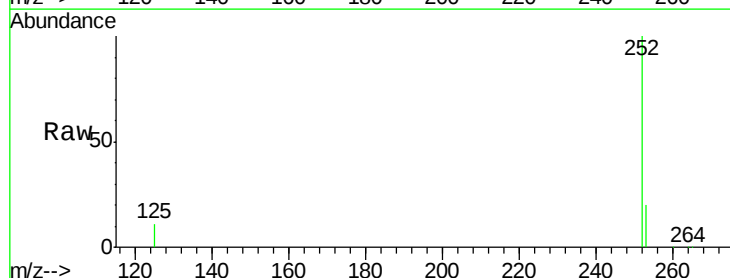
Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	21.6	17.9	26.9

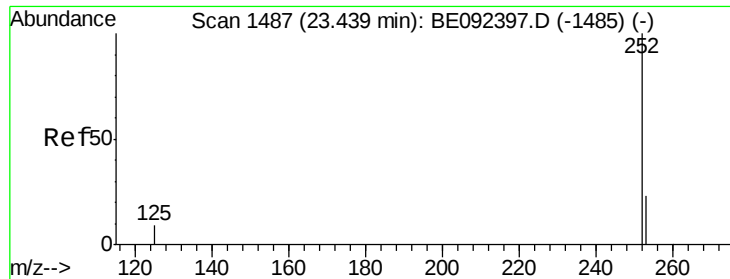


#32
Benzo(b)fluoranthene
Concen: 4.06 ng
RT: 23.37 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE092446.D
Acq: 7 Oct 2016 14:02

Tgt Ion:252 Resp: 71824

Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.7	28.1
125	11.3	10.5	15.7





#33

Benzo(k)fluoranthene

Concen: 3.51 ng

RT: 23.43 min Scan# 1487

Delta R.T. 0.02 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

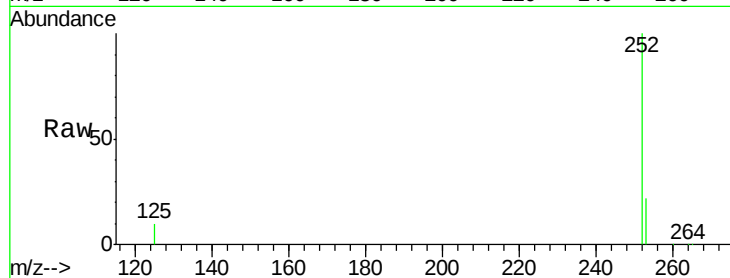
Tot Ion:252 Resp: 64977

Ion Ratio Lower Upper

252 100

253 22.4 20.3 30.5

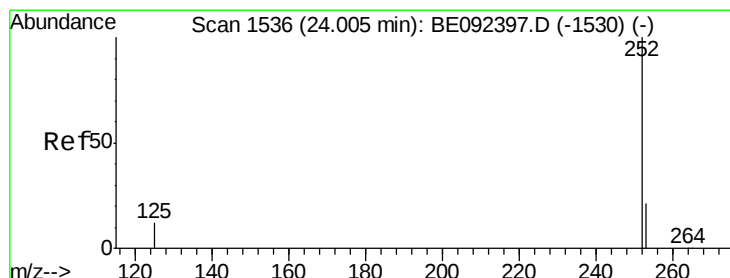
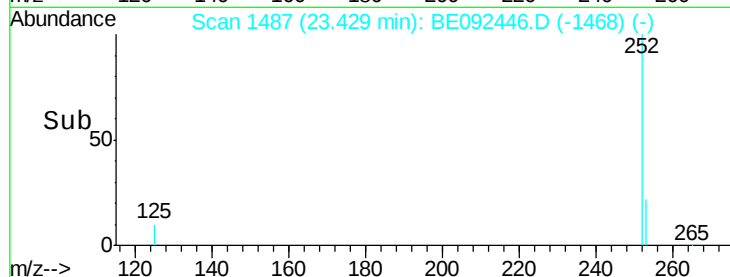
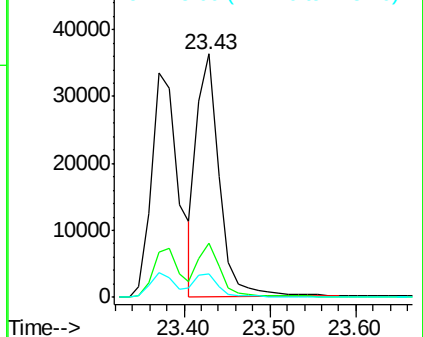
125 9.8 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 3.83 ng

RT: 24.00 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

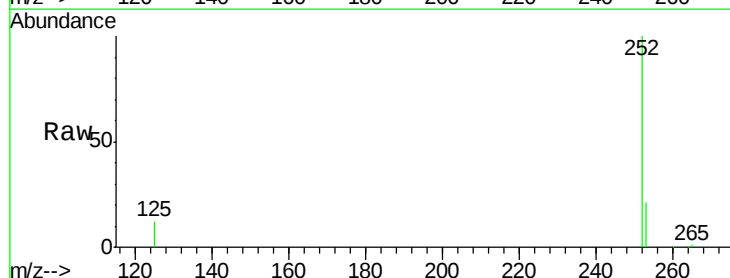
Tgt Ion:252 Resp: 66443

Ion Ratio Lower Upper

252 100

253 20.6 19.0 28.6

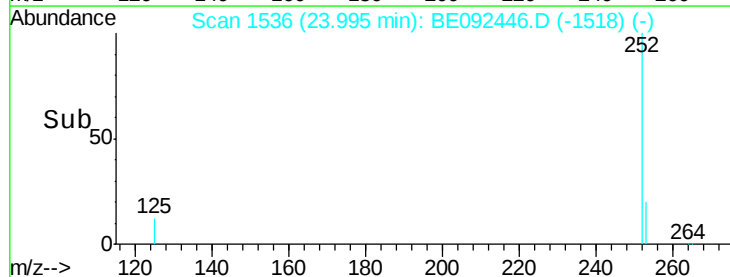
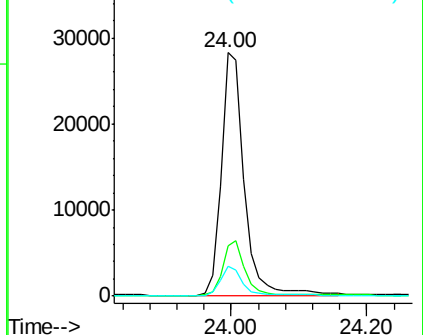
125 12.1 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 3.98 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.03 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

Instrument :

BNA_E

ClientSampleId :

PB93840BS

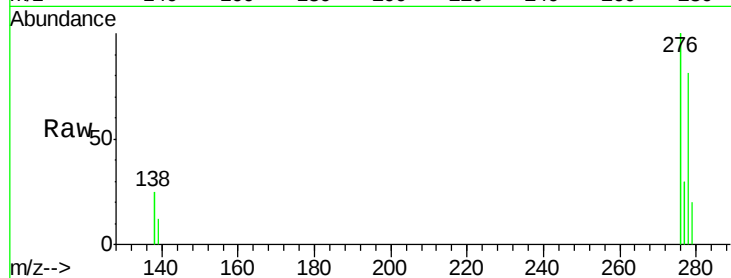
Tot Ion:278 Resp: 63228

Ion Ratio Lower Upper

278 100

139 15.2 13.8 20.8

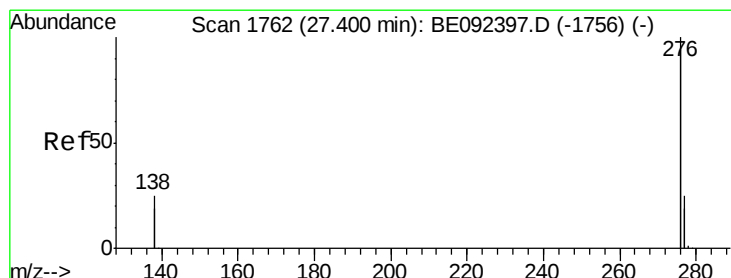
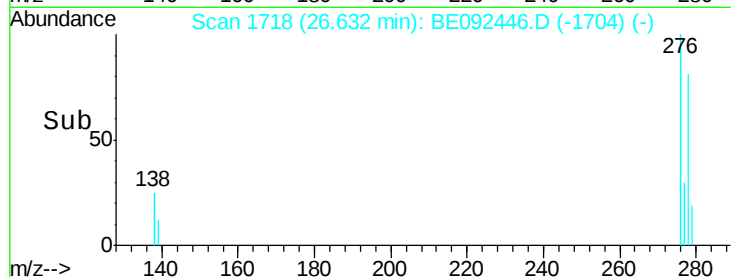
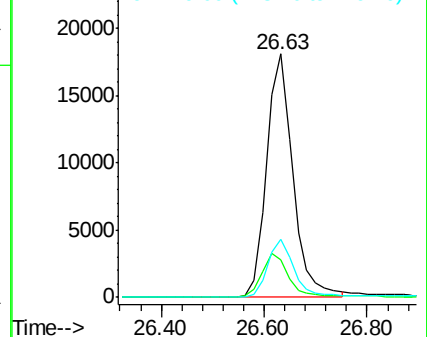
279 24.0 21.4 32.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#36

Benzo(g,h,i)perylene

Concen: 3.84 ng

RT: 27.38 min Scan# 1762

Delta R.T. 0.03 min

Lab File: BE092446.D

Acq: 7 Oct 2016 14:02

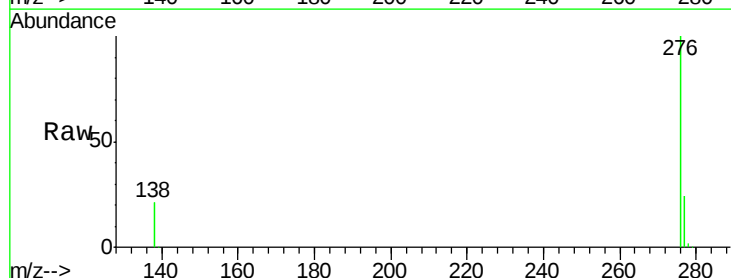
Tgt Ion:276 Resp: 262402

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.8

138 21.4 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

