

Data Path : Z:\HPCHEM1\BNA E\Data\BE093016\
 Data File : BE092433.D
 Acq On : 30 Sep 2016 12:24
 Operator : UM/SJ
 Sample : H4803-06DL 50X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 30 13:40:30 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	6653	5.00	ng	-0.02
7) Naphthalene-d8	10.953	136	31103	5.00	ng	0.00
12) Acenaphthene-d10	14.815	164	23064	5.00	ng	0.00
18) Phenanthrene-d10	17.580	188	47933	5.00	ng	0.02
24) Chrysene-d12	21.746	240	56891	5.00	ng	0.00
31) Perylene-d12	24.121	264	48482	5.00	ng	0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.669	112	3941	2.59	ng	-0.02
5) Phenol-d6	7.335	99	5446	2.49	ng	-0.02
8) Nitrobenzene-d5	9.339	82	3906	1.84	ng	-0.02
13) 2,4,6-Tribromophenol	16.319	330	1865	2.40	ng	0.00
14) 2-Fluorobiphenyl	13.446	172	11763	2.15	ng	0.00
26) Terphenyl-d14	20.191	244	15930	2.26	ng	0.02

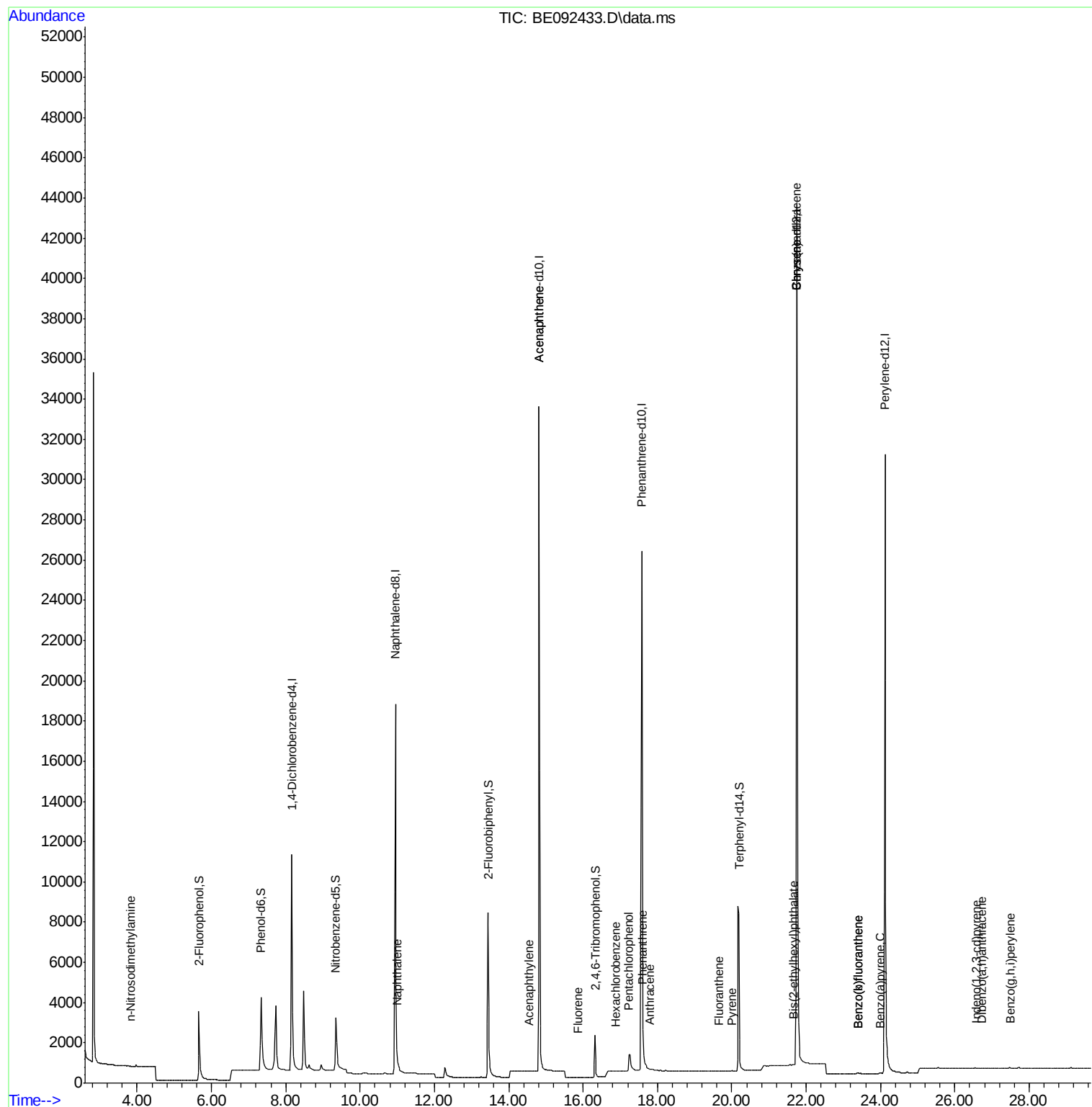
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.826	42	1	0.19	ng	# 15
9) Naphthalene	10.991	128	20	0.00	ng	# 1
15) Acenaphthylene	14.542	152	45	0.00	ng	# 21
16) Acenaphthene	14.815	154	86	0.02	ng	# 1
17) Fluorene	15.867	166	6	0.00	ng	# 68
19) Hexachlorobenzene	16.889	284	1	0.00	ng	# 39
20) Pentachlorophenol	17.234	266	1404	2.01	ng	# 84
21) Phenanthrene	17.603	178	83	0.01	ng	# 71
22) Anthracene	17.787	178	8	0.00	ng	# 61
23) Fluoranthene	19.646	202	78	0.00	ng	# 34
25) Pyrene	20.003	202	72	0.00	ng	# 95
27) Benzo(a)anthracene	21.746	228	777	0.01	ng	# 53
28) Chrysene	21.746	228	785	0.02	ng	# 69
29) Bis(2-ethylhexyl)phtha...	21.656	149	76	0.02	ng	# 80
30) Indeno(1,2,3-cd)pyrene	26.564	276	12	0.00	ng	# 1
32) Benzo(b)fluoranthene	23.404	252	83	0.01	ng	# 1
33) Benzo(k)fluoranthene	23.404	252	83	0.01	ng	# 1
34) Benzo(a)pyrene	24.005	252	28	0.00	ng	# 1
35) Dibenzo(a,h)anthracene	26.735	278	15	0.00	ng	# 1
36) Benzo(a,h,i)perylene	27.485	276	133	0.00	ng	# 1

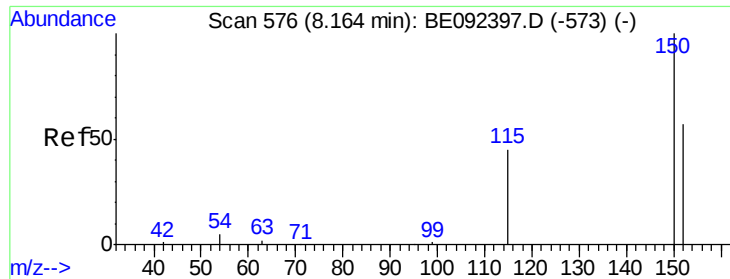
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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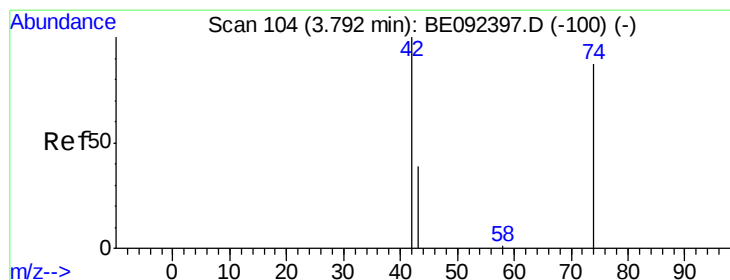
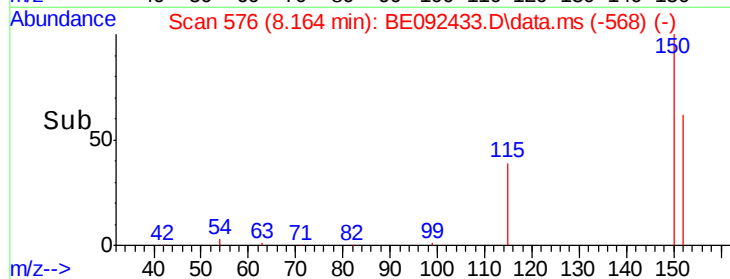
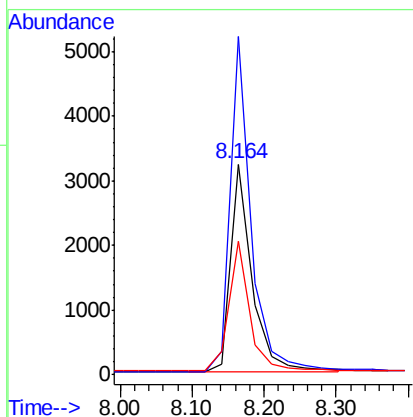
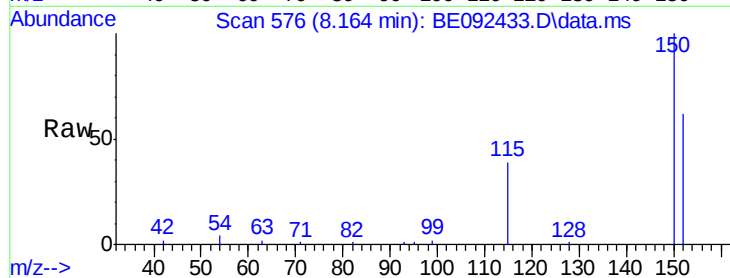




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.164 min Scan# 57
 Delta R.T. -0.023 min
 Lab File: BE092433.D
 Acq: 30 Sep 2016 12:24

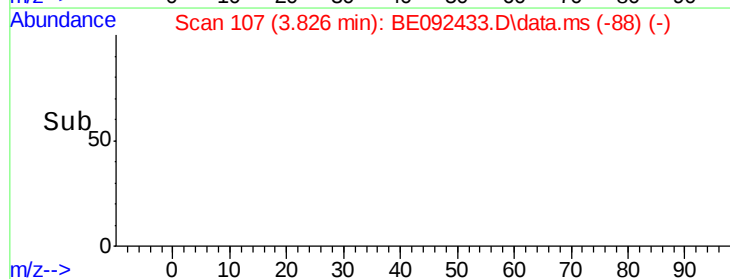
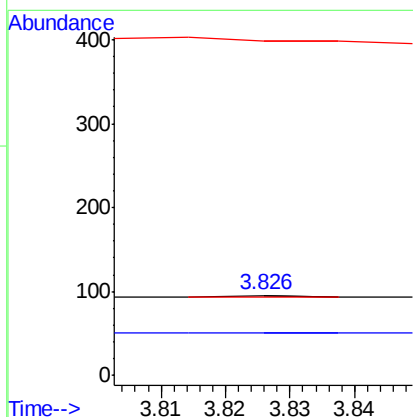
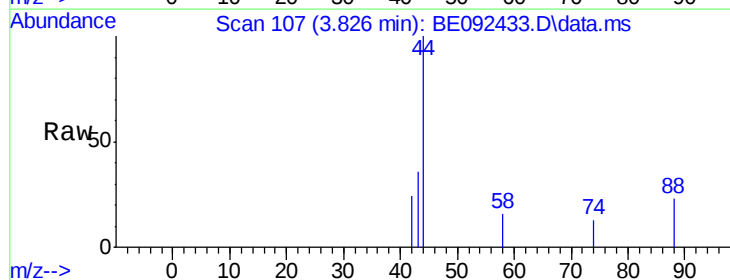
Instrument :
 BNA_E
 ClientSampleId :

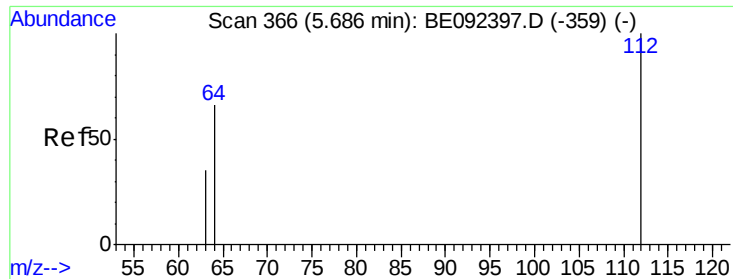
Tot Ion:152 Resp: 6653
 Ion Ratio Lower Upper
 152 100
 150 160.9 106.0 159.0#
 115 63.5 31.2 46.8#



#3
 n-Nitrosodimethylamine
 Concen: 0.19 ng
 RT: 3.826 min Scan# 107
 Delta R.T. 0.024 min
 Lab File: BE092433.D
 Acq: 30 Sep 2016 12:24

Tgt Ion: 42 Resp: 1
 Ion Ratio Lower Upper
 42 100
 74 200.0 86.0 129.0#
 44 0.0 5.1 7.7#

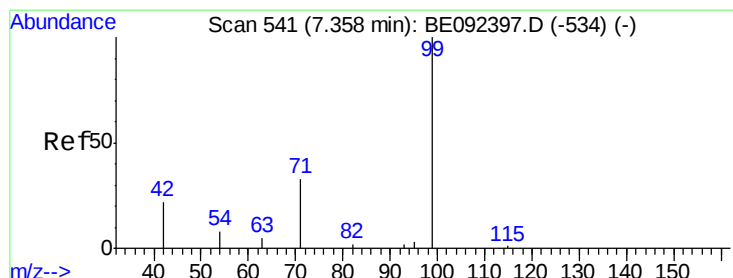
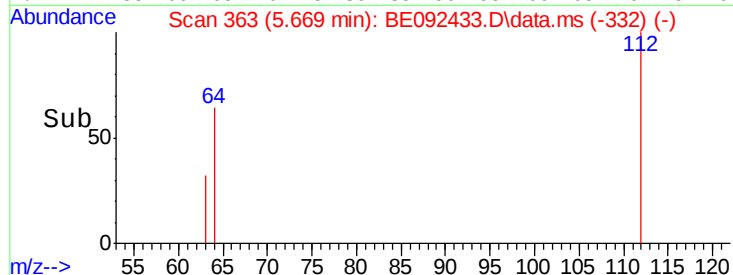
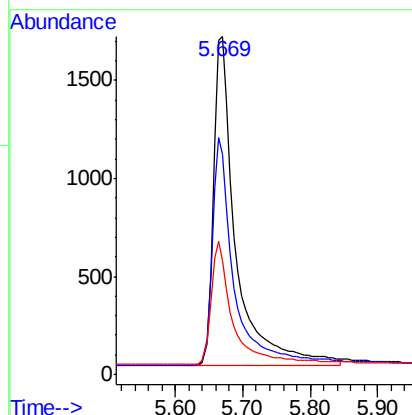
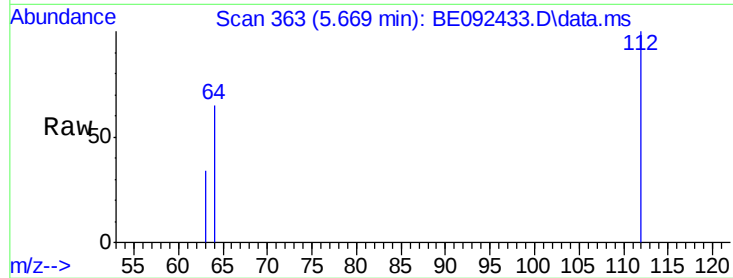




#4
2-Fluorophenol
Concen: 2.59 ng
RT: 5.669 min Scan# 361
Delta R.T. -0.017 min
Lab File: BE092433.D
Acq: 30 Sep 2016 12:24

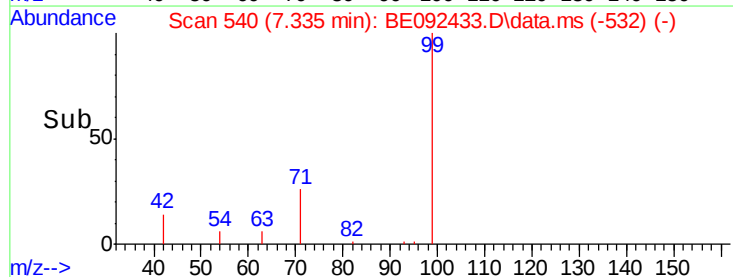
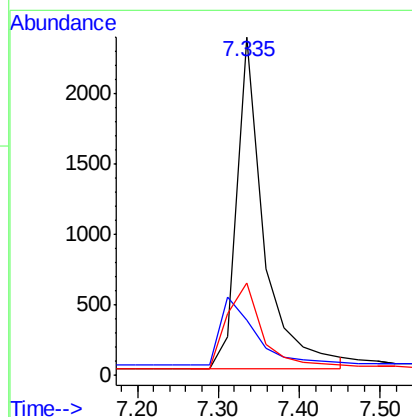
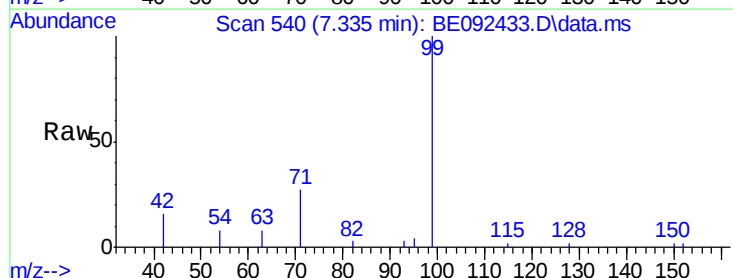
Instrument :
BNA_E
ClientSampleId :

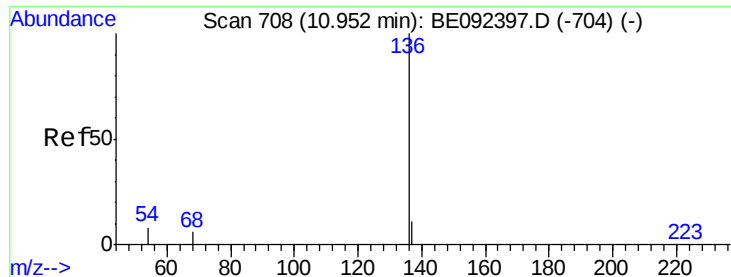
Tot Ion: 112 Resp: 3941
Ion Ratio Lower Upper
112 100
64 67.0 53.5 80.3
63 36.1 27.9 41.9



#5
Phenol-d6
Concen: 2.49 ng
RT: 7.335 min Scan# 540
Delta R.T. -0.023 min
Lab File: BE092433.D
Acq: 30 Sep 2016 12:24

Tgt Ion: 99 Resp: 5446
Ion Ratio Lower Upper
99 100
42 0.0 16.0 24.0#
71 34.8 30.6 45.8





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.953 min Scan# 70

Delta R.T. 0.000 min

Lab File: BE092433.D

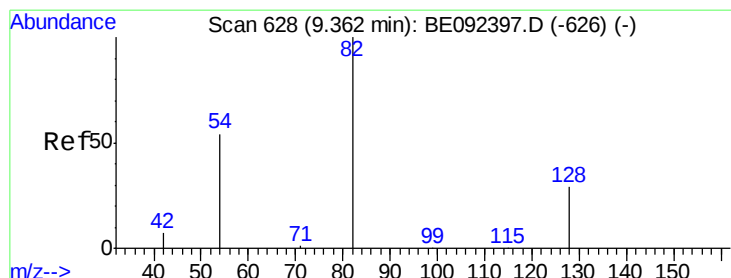
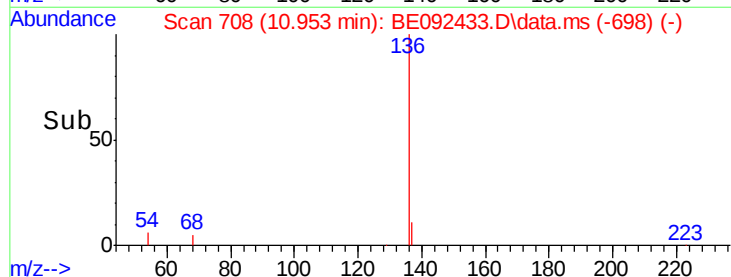
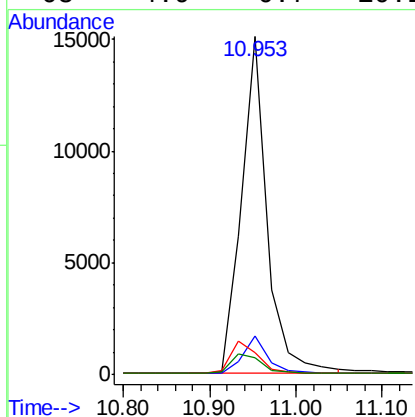
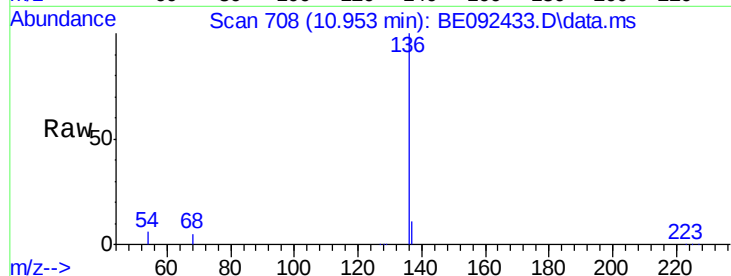
Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	136	Resp:	31103
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.2	12.4
54	6.4	9.6	14.4#
68	4.9	6.7	10.1#



#8

Nitrobenzene-d5

Concen: 1.84 ng

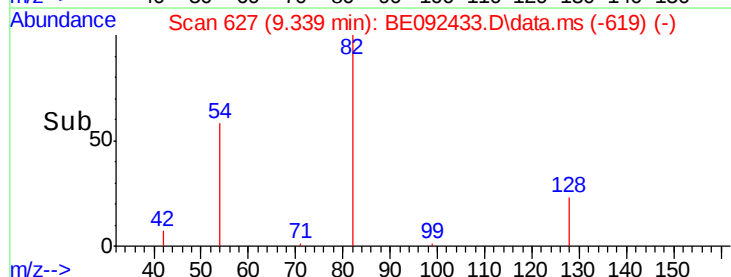
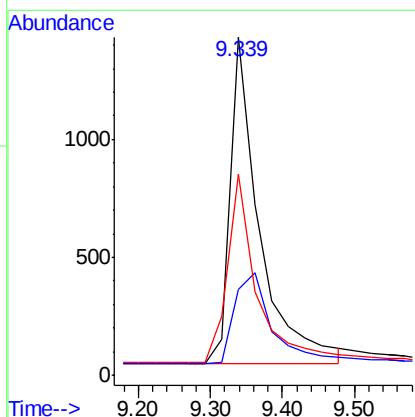
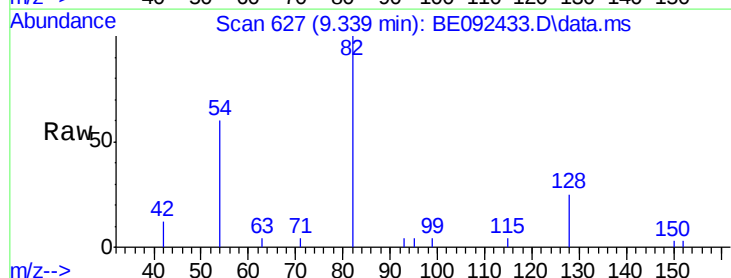
RT: 9.339 min Scan# 627

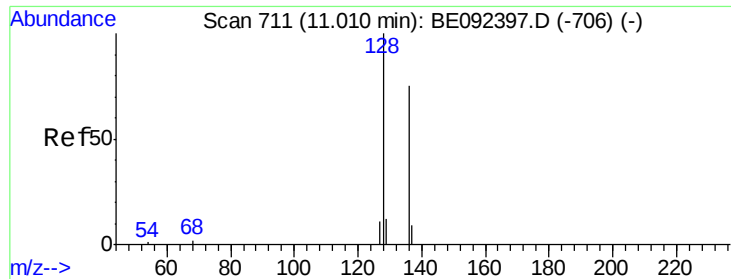
Delta R.T. -0.023 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Tgt Ion:	82	Resp:	3906
Ion Ratio	Lower	Upper	
82	100		
128	25.3	39.0	58.4#
54	59.6	44.8	67.2





#9

Naphthalene

Concen: 0.00 ng

RT: 10.991 min Scan# 71

Delta R.T. -0.019 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

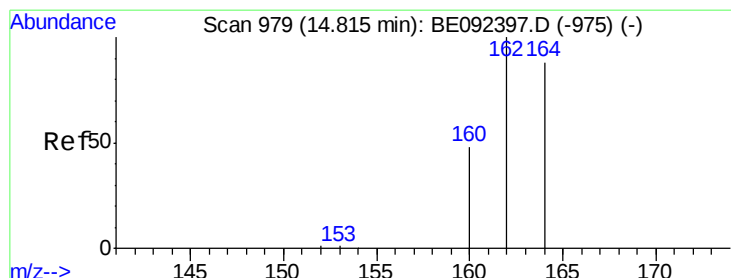
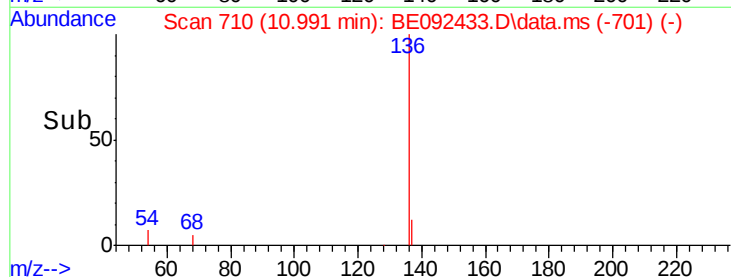
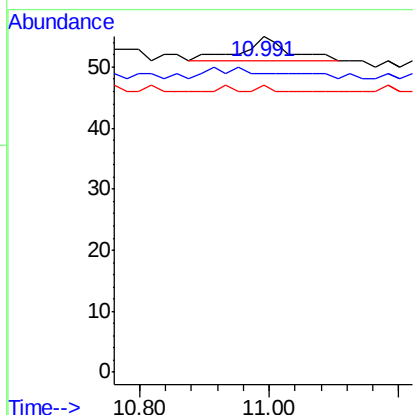
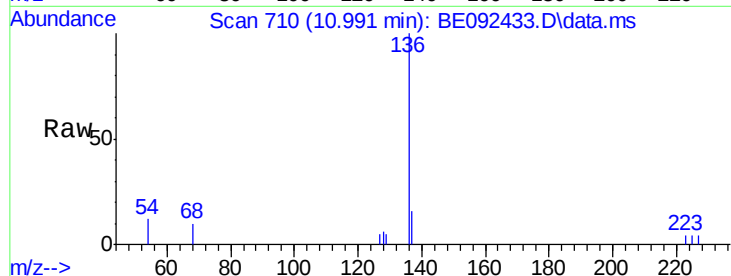
Tot Ion:128 Resp: 20

Ion Ratio Lower Upper

128 100

129 89.1 11.2 16.8#

127 85.5 11.6 17.4#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.815 min Scan# 980

Delta R.T. -0.001 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

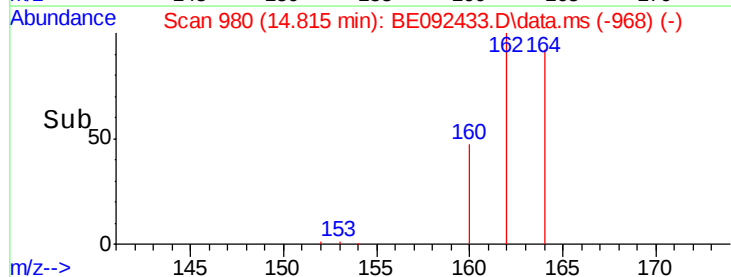
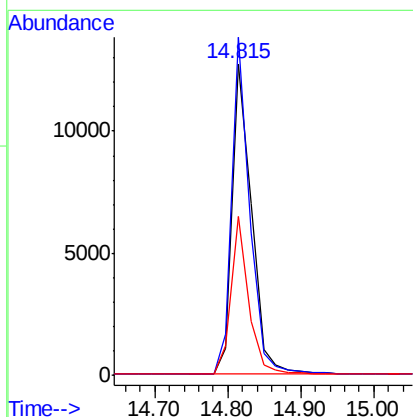
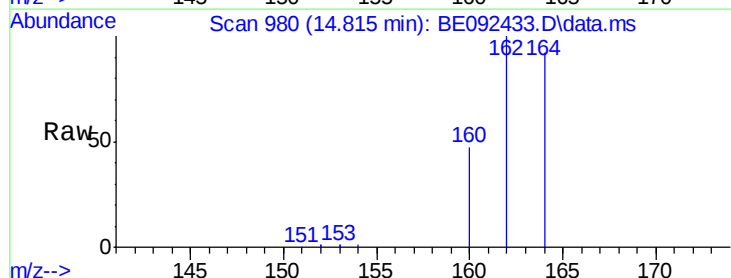
Tgt Ion:164 Resp: 23064

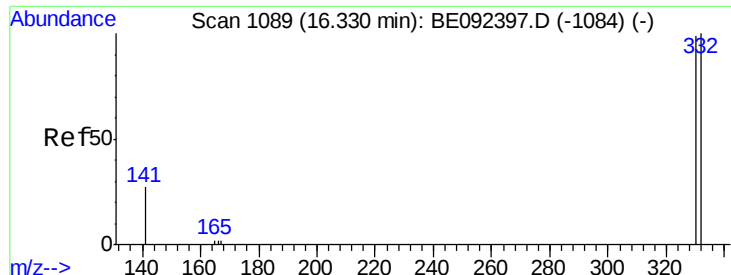
Ion Ratio Lower Upper

164 100

162 108.5 71.4 107.0#

160 50.9 27.4 41.2#

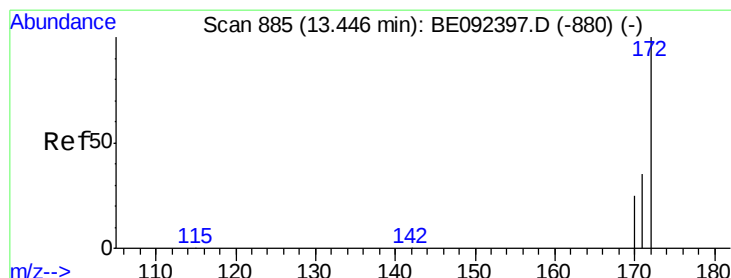
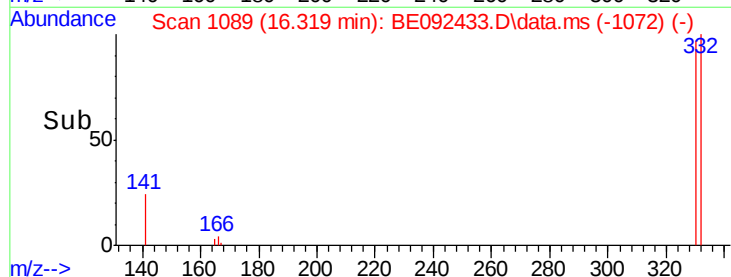
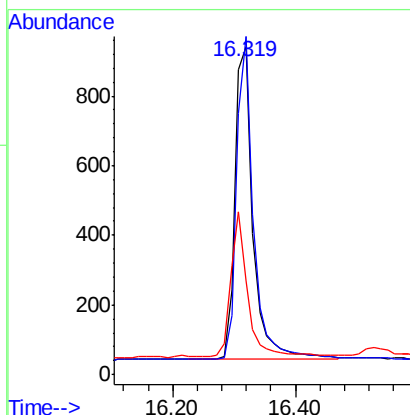
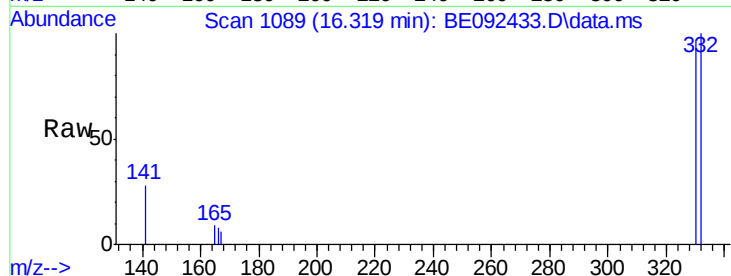




#13
 2,4,6-Tribromophenol
 Concen: 2.40 ng
 RT: 16.319 min Scan# 1089
 Delta R.T. 0.001 min
 Lab File: BE092433.D
 Acq: 30 Sep 2016 12:24

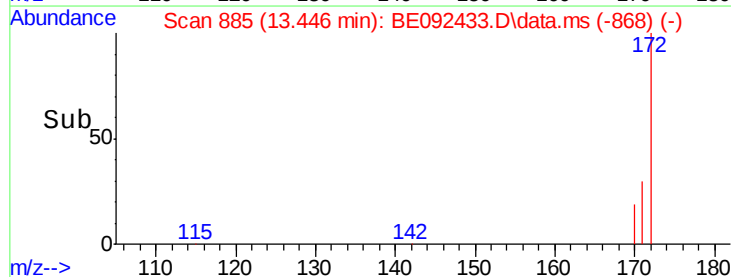
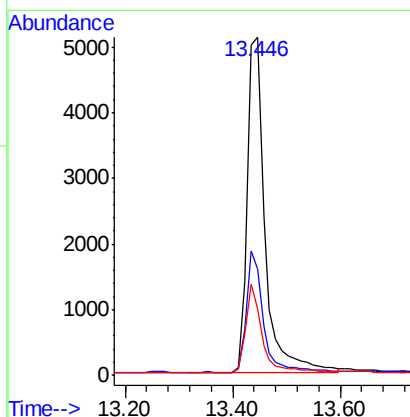
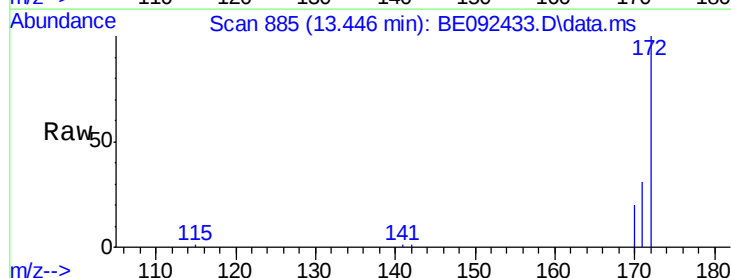
Instrument :
 BNA_E
 ClientSampleId :

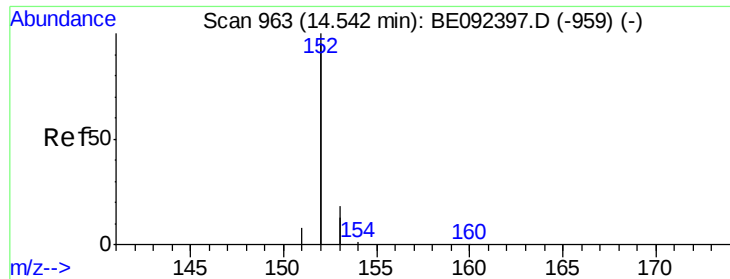
Tot Ion:330 Resp: 1865
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.0
 141 42.5 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 2.15 ng
 RT: 13.446 min Scan# 885
 Delta R.T. 0.000 min
 Lab File: BE092433.D
 Acq: 30 Sep 2016 12:24

Tgt Ion:172 Resp: 11763
 Ion Ratio Lower Upper
 172 100
 171 31.3 30.1 45.1
 170 19.7 21.8 32.6#





#15

Acenaphthylene

Concen: 0.00 ng

RT: 14.542 min Scan# 96

Delta R.T. 0.017 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

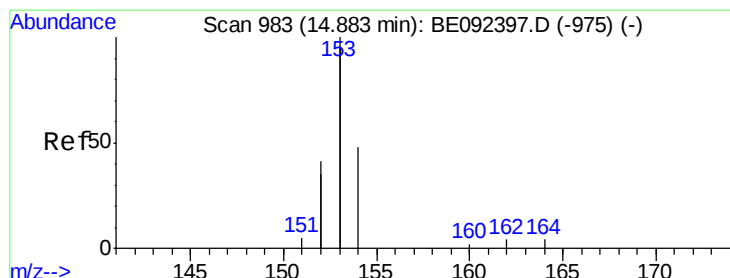
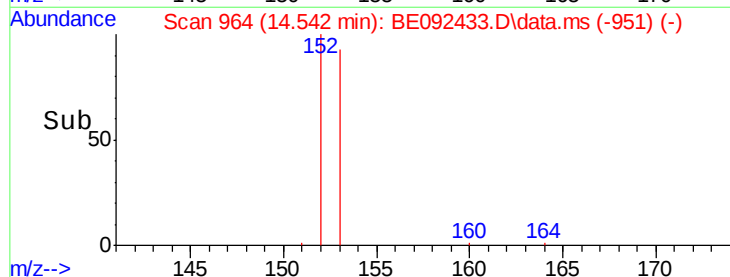
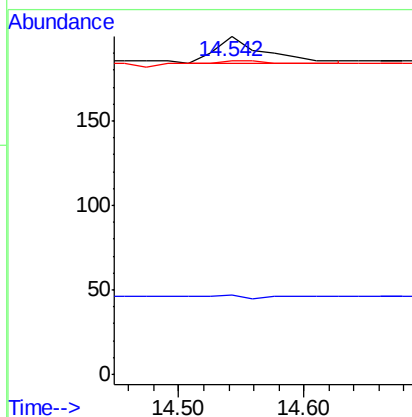
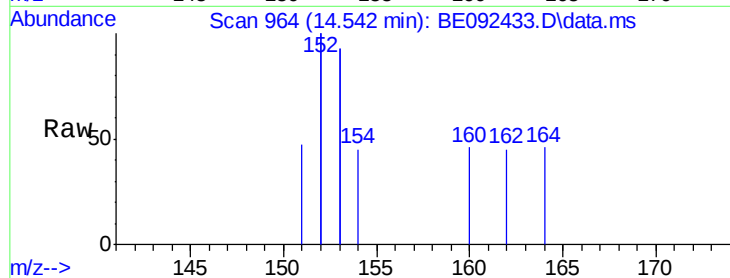
Tot Ion:152 Resp: 45

Ion Ratio Lower Upper

152 100

151 6.7 3.9 5.9#

153 55.6 10.4 15.6#



#16

Acenaphthene

Concen: 0.02 ng

RT: 14.815 min Scan# 980

Delta R.T. -0.069 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

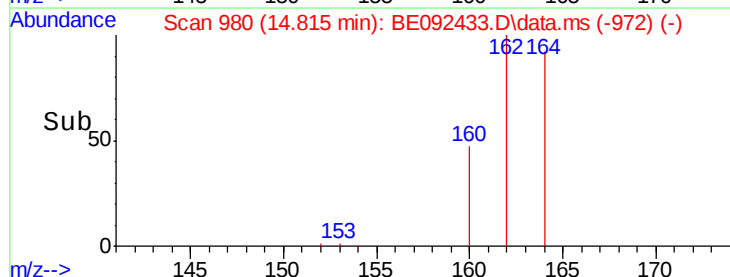
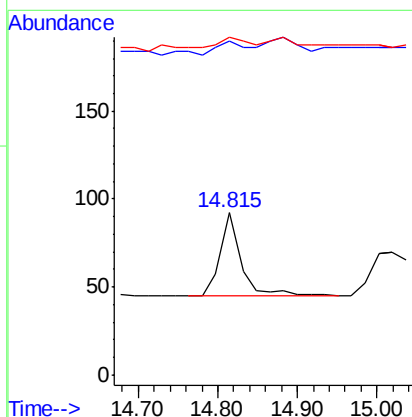
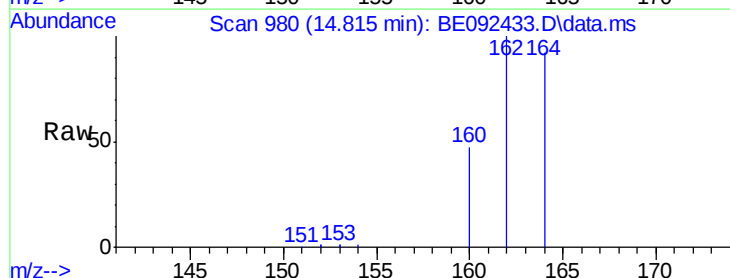
Tgt Ion:154 Resp: 86

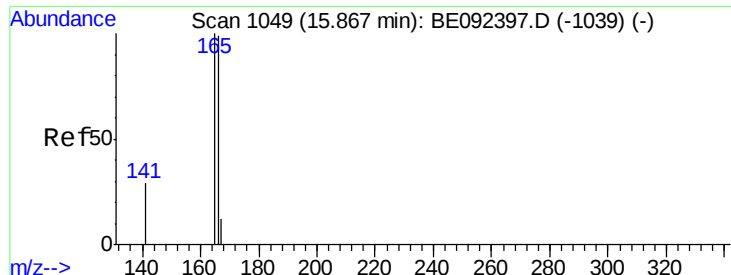
Ion Ratio Lower Upper

154 100

153 23.3 350.8 526.2#

152 18.6 171.1 256.7#

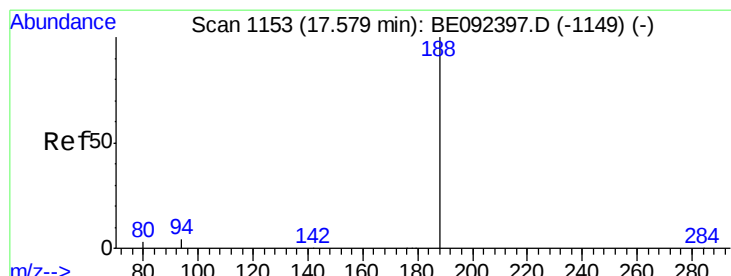
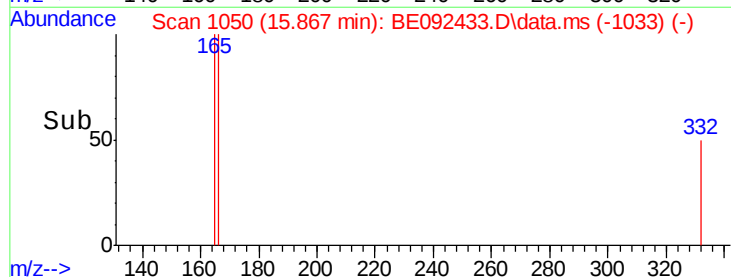
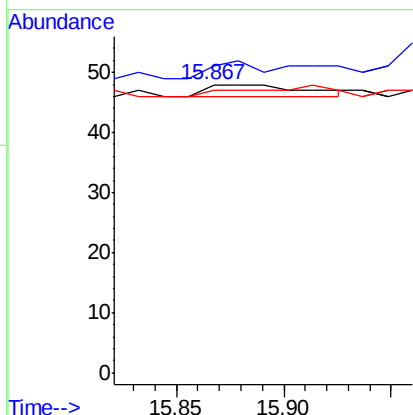
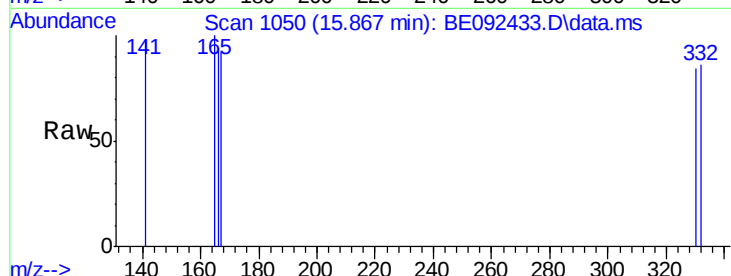




#17
 Fluorene
 Concen: 0.00 ng
 RT: 15.867 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: BE092433.D
 Acq: 30 Sep 2016 12:24

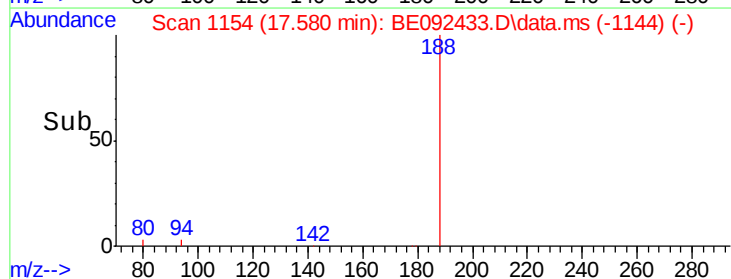
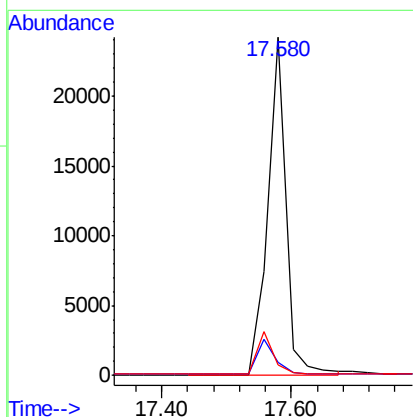
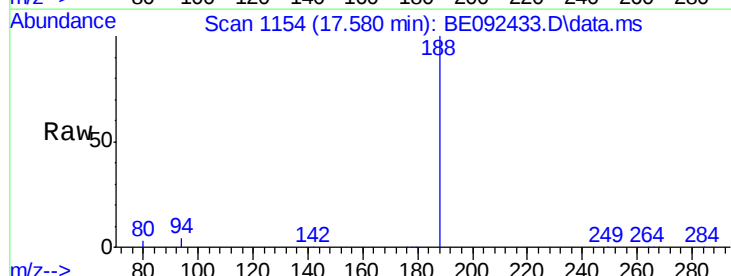
Instrument :
 BNA_E
 ClientSampleId :

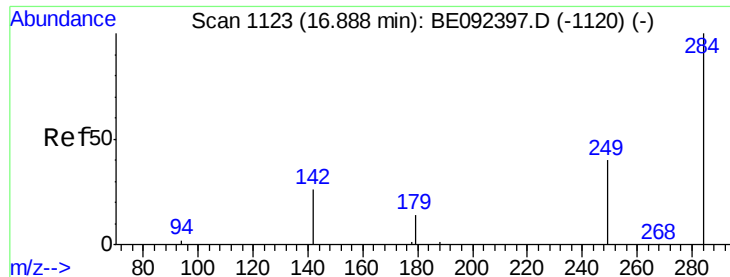
Tot Ion:166 Resp: 6
 Ion Ratio Lower Upper
 166 100
 165 66.7 78.2 117.4#
 167 0.0 11.0 16.4#



#18
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.580 min Scan# 1154
 Delta R.T. 0.023 min
 Lab File: BE092433.D
 Acq: 30 Sep 2016 12:24

Tgt Ion:188 Resp: 47933
 Ion Ratio Lower Upper
 188 100
 94 3.7 3.2 4.8
 80 3.2 2.6 3.8





#19

Hexachlorobenzene

Concen: 0.00 ng

RT: 16.889 min Scan# 1123

Delta R.T. 0.000 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

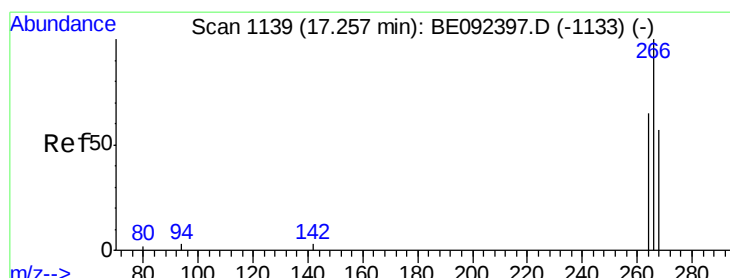
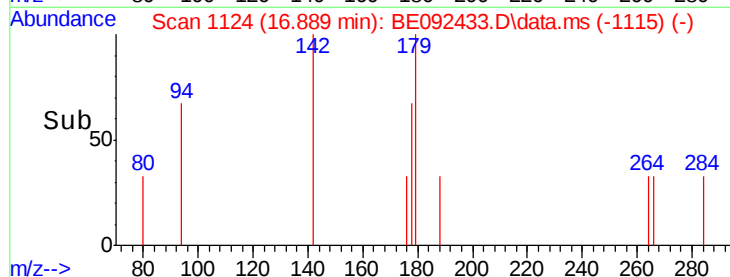
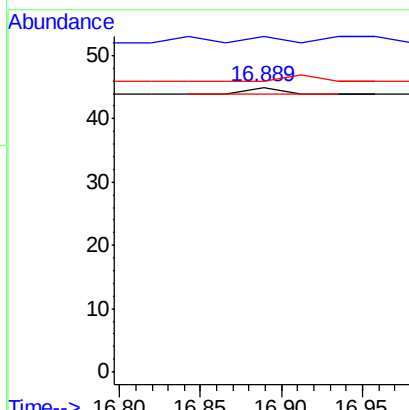
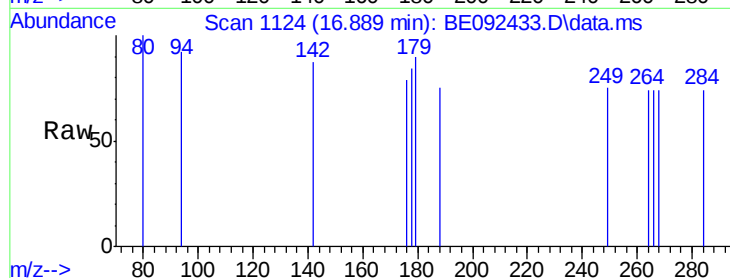
Tot Ion:284 Resp: 1

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

249 0.0 27.9 41.9#



#20

Pentachlorophenol

Concen: 2.01 ng

RT: 17.234 min Scan# 1139

Delta R.T. -0.023 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

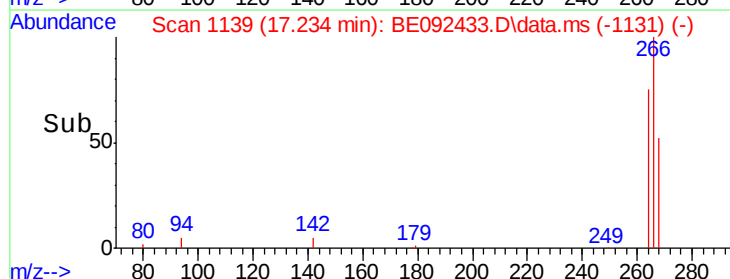
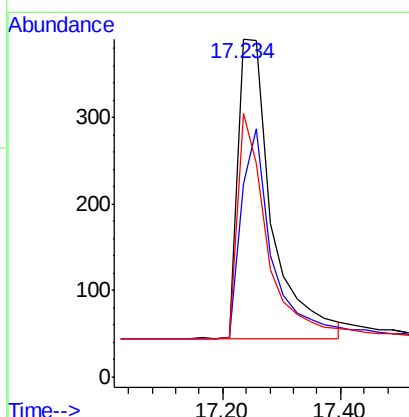
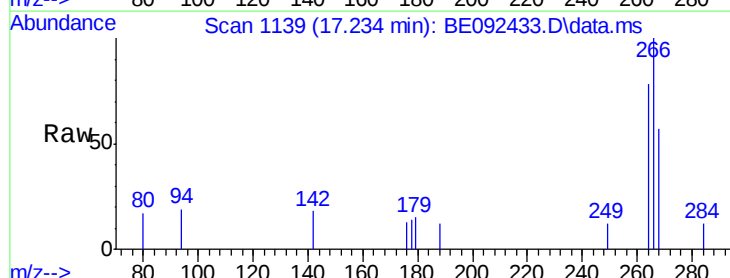
Tgt Ion:266 Resp: 1404

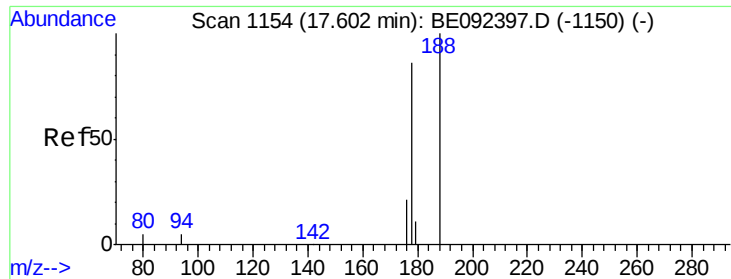
Ion Ratio Lower Upper

266 100

268 57.3 62.5 93.7#

264 78.0 57.2 85.8





#21

Phenanthrene

Concen: 0.01 ng

RT: 17.603 min Scan# 1154

Delta R.T. 0.001 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

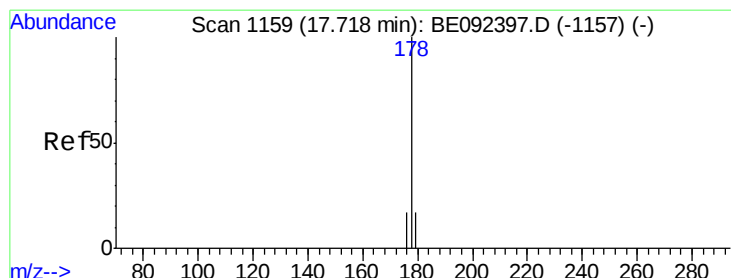
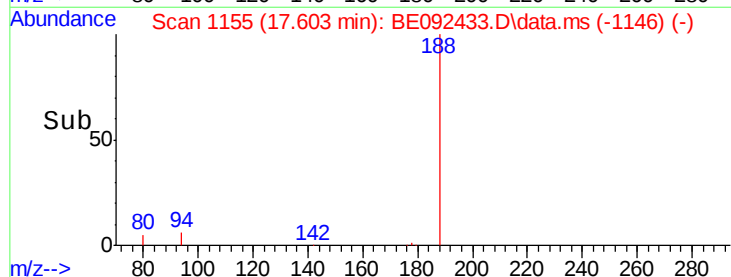
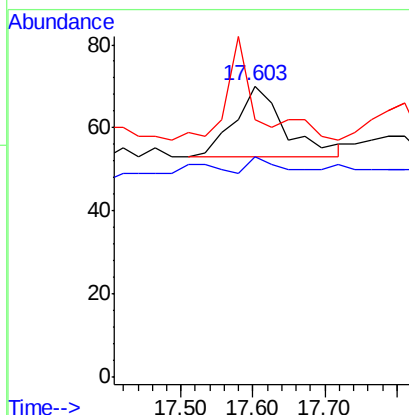
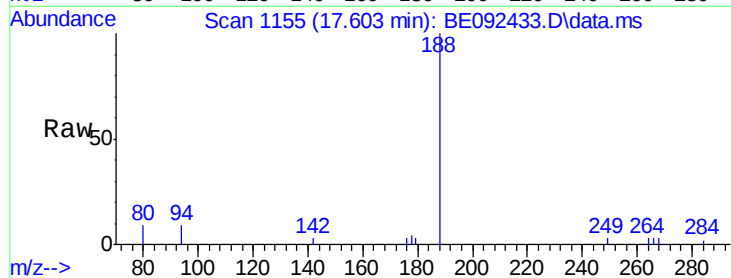
Tot Ion:178 Resp: 83

Ion Ratio Lower Upper

178 100

176 13.3 15.8 23.8#

179 0.0 16.0 24.0#



#22

Anthracene

Concen: 0.00 ng

RT: 17.787 min Scan# 1163

Delta R.T. 0.092 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

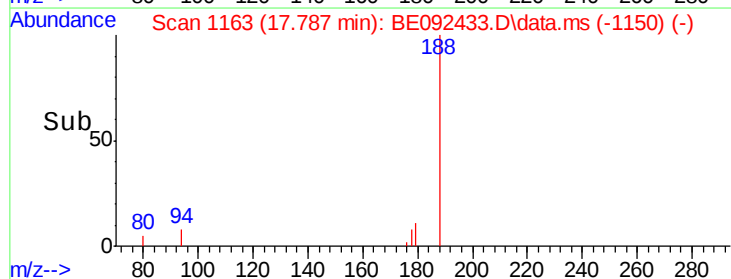
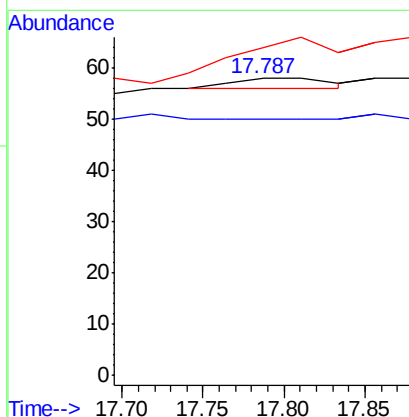
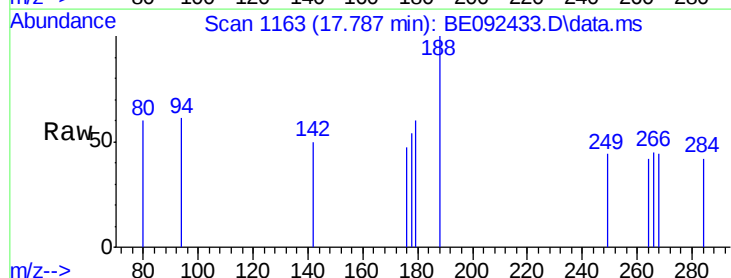
Tgt Ion:178 Resp: 8

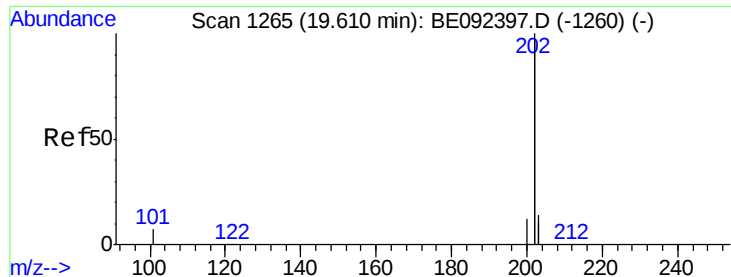
Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

179 0.0 12.2 18.2#

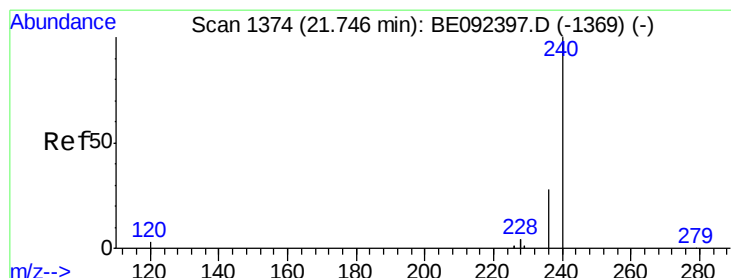
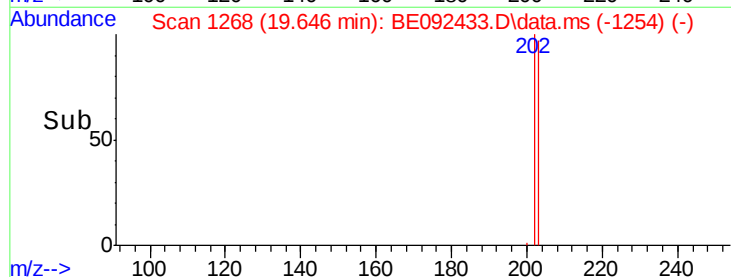
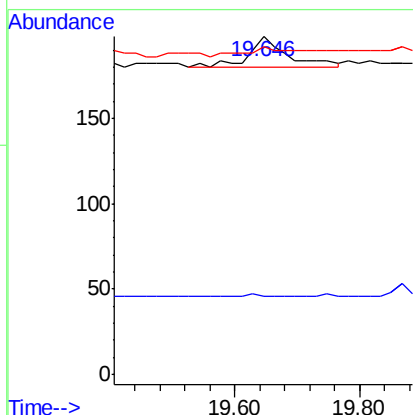
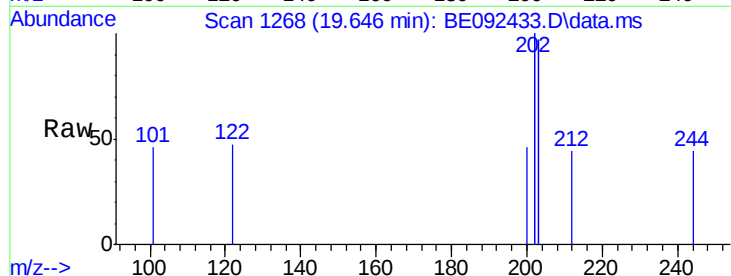




#23
Fluoranthene
Concen: 0.00 ng
RT: 19.646 min Scan# 1265
Delta R.T. 0.035 min
Lab File: BE092433.D
Acq: 30 Sep 2016 12:24

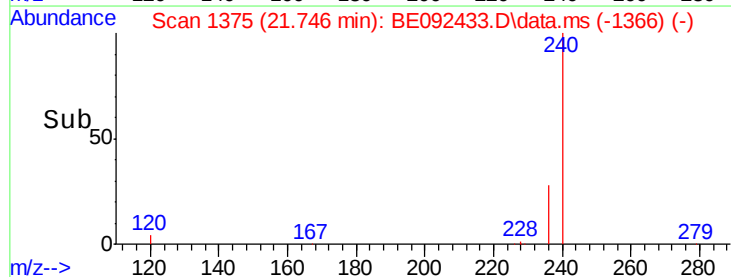
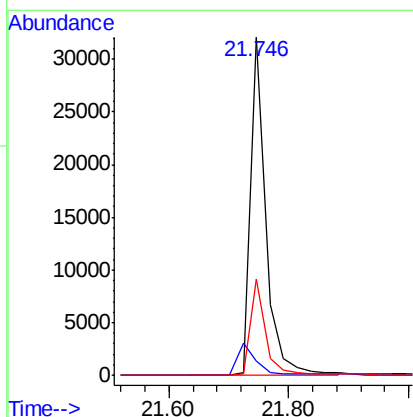
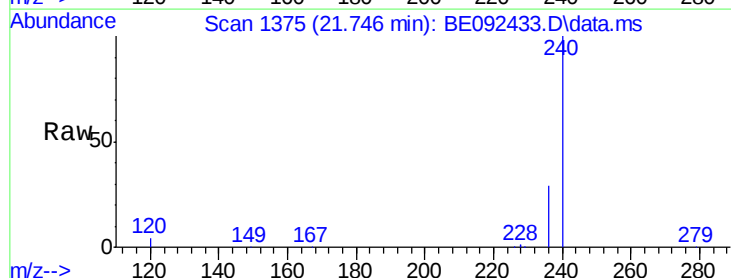
Instrument :
BNA_E
ClientSampleId :

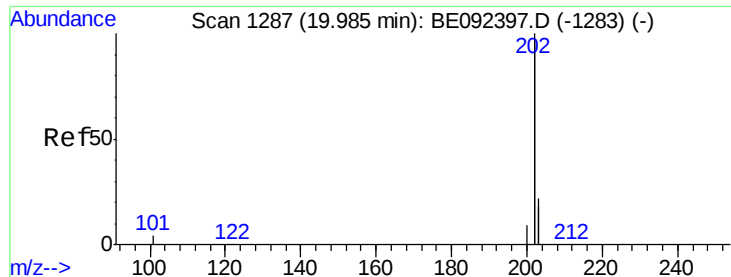
Tot Ion:202 Resp: 78
Ion Ratio Lower Upper
202 100
101 1.3 2.2 3.4#
203 50.0 13.7 20.5#



#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.746 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BE092433.D
Acq: 30 Sep 2016 12:24

Tgt Ion:240 Resp: 56891
Ion Ratio Lower Upper
240 100
120 4.0 2.6 4.0#
236 28.6 24.6 37.0





#25

Pvrene

Concen: 0.00 ng

RT: 20.003 min Scan# 12

Delta R.T. 0.035 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

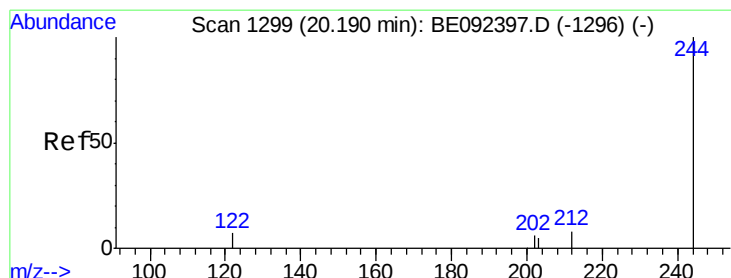
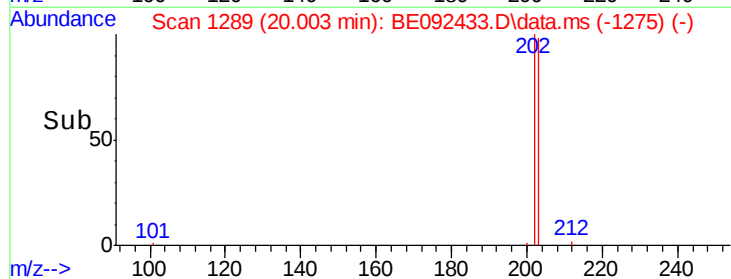
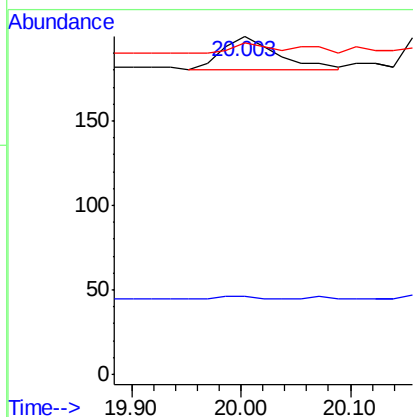
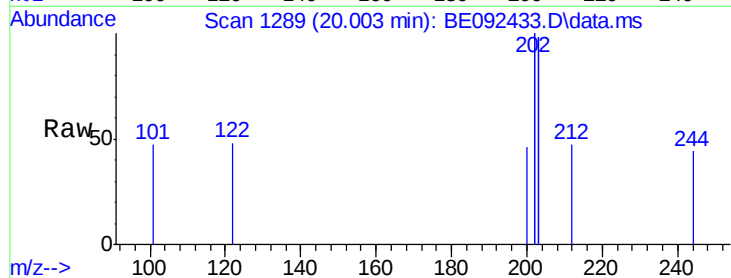
Tot Ion:202 Resp: 72

Ion Ratio Lower Upper

202 100

200 6.9 4.2 6.4#

203 19.4 13.9 20.9



#26

Terphenyl-d14

Concen: 2.26 ng

RT: 20.191 min Scan# 1300

Delta R.T. 0.018 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

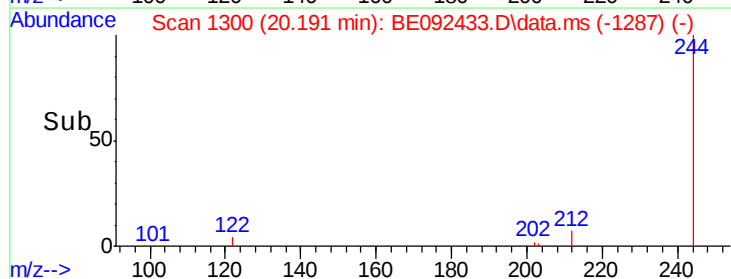
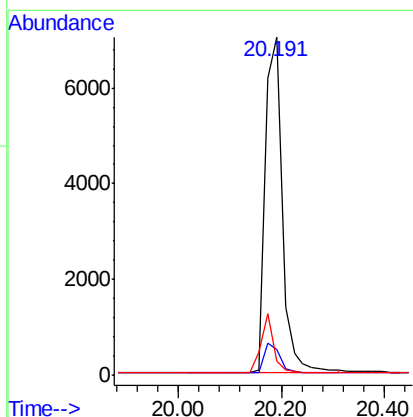
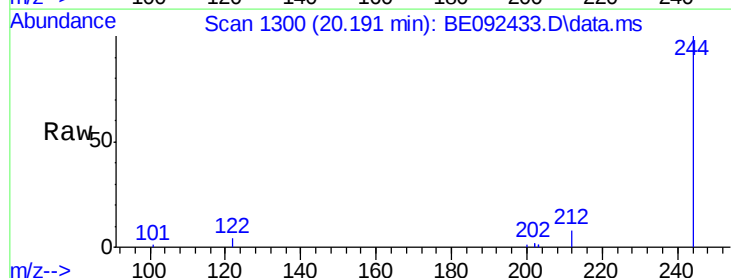
Tgt Ion:244 Resp: 15930

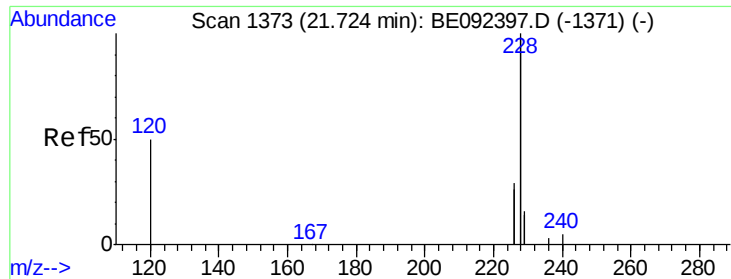
Ion Ratio Lower Upper

244 100

212 7.6 6.7 10.1

122 4.2 3.6 5.4

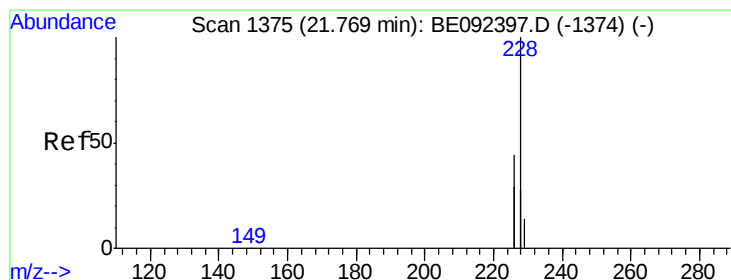
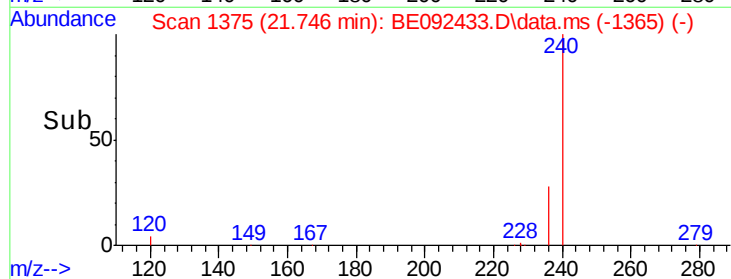
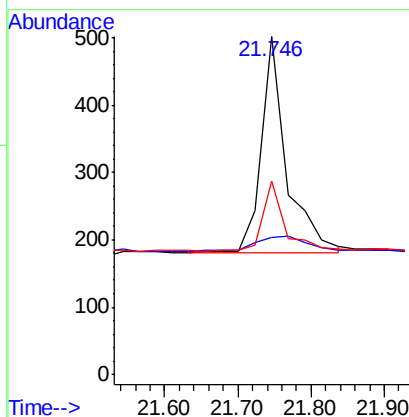
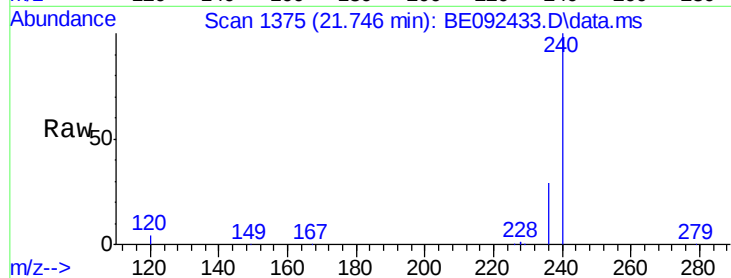




#27
Benzo(a)anthracene
Concen: 0.01 ng
RT: 21.746 min Scan# 1375
Delta R.T. 0.022 min
Lab File: BE092433.D
Acq: 30 Sep 2016 12:24

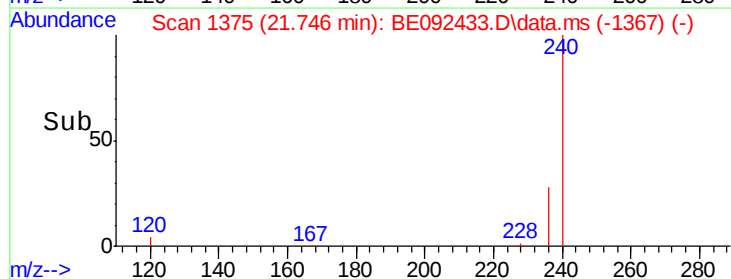
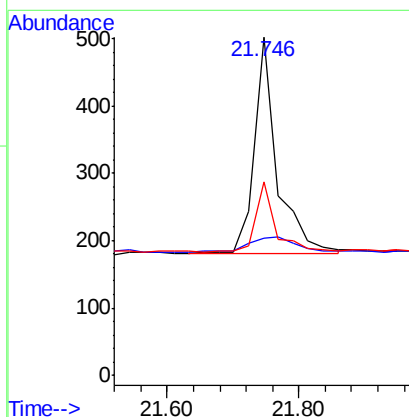
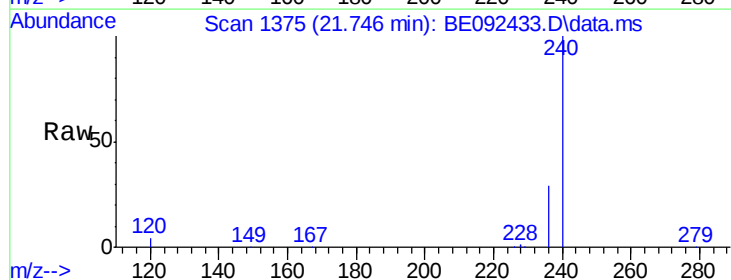
Instrument :
BNA_E
ClientSampleId :

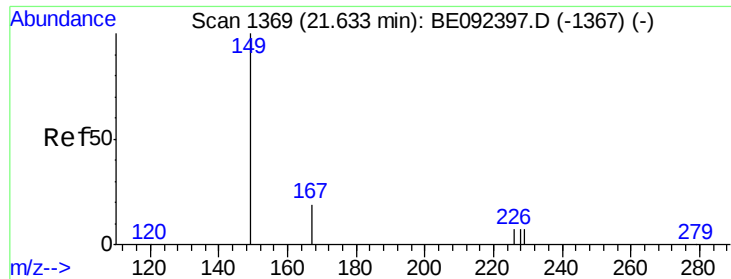
Tot Ion:228 Resp: 777
Ion Ratio Lower Upper
228 100
226 40.6 23.6 35.4#
229 57.4 13.3 19.9#



#28
Chrysene
Concen: 0.02 ng
RT: 21.746 min Scan# 1375
Delta R.T. -0.022 min
Lab File: BE092433.D
Acq: 30 Sep 2016 12:24

Tgt Ion:228 Resp: 785
Ion Ratio Lower Upper
228 100
226 40.6 36.3 54.5
229 57.4 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.02 ng

RT: 21.656 min Scan# 1369

Delta R.T. 0.023 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

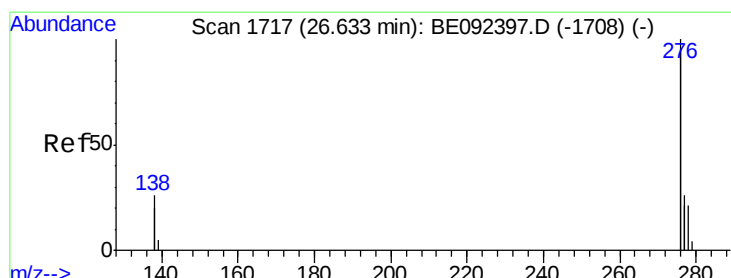
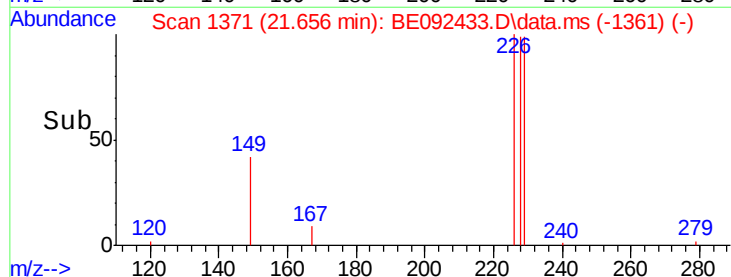
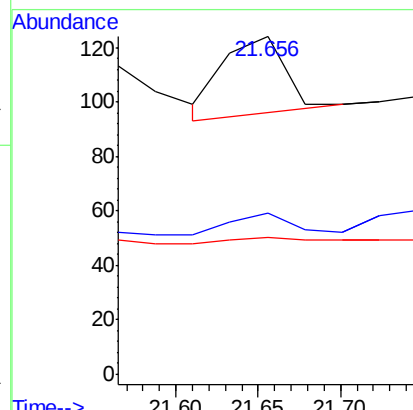
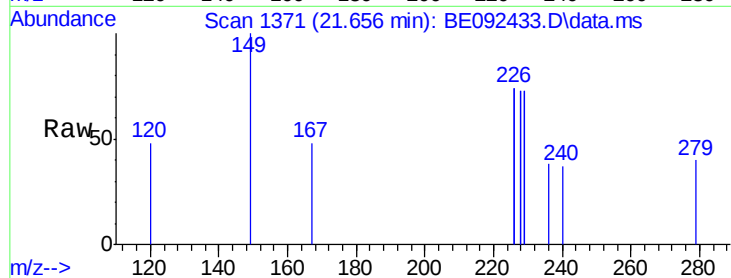
Tot Ion:149 Resp: 76

Ion Ratio Lower Upper

149 100

167 28.9 16.0 24.0#

279 10.5 16.0 24.0#



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 26.564 min Scan# 1714

Delta R.T. -0.017 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

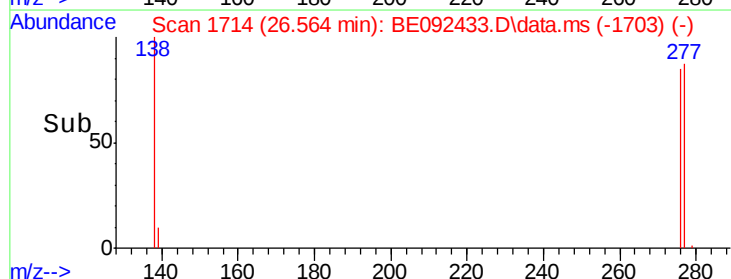
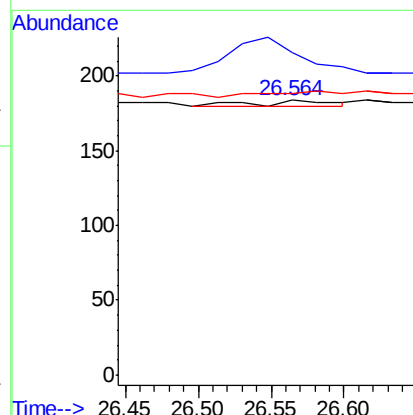
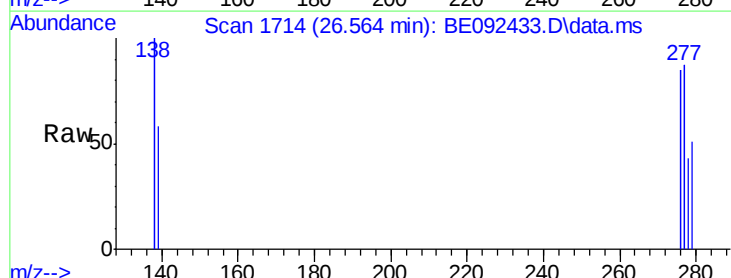
Tgt Ion:276 Resp: 12

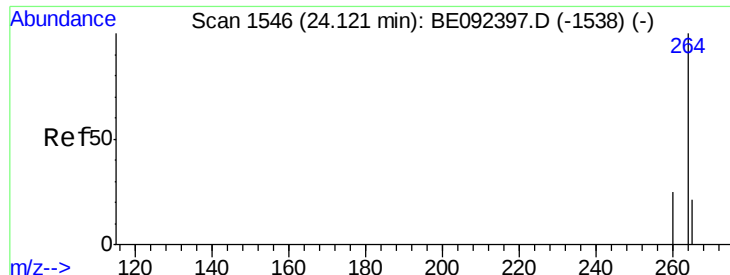
Ion Ratio Lower Upper

276 100

138 0.0 20.3 30.5#

277 166.7 19.7 29.5#





#31

Pervlene-d12

Concen: 5.00 ng

RT: 24.121 min Scan# 15

Delta R.T. 0.035 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

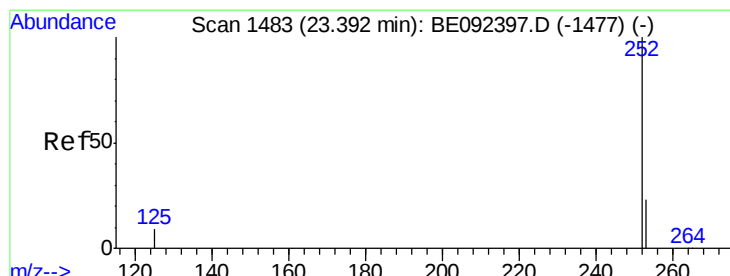
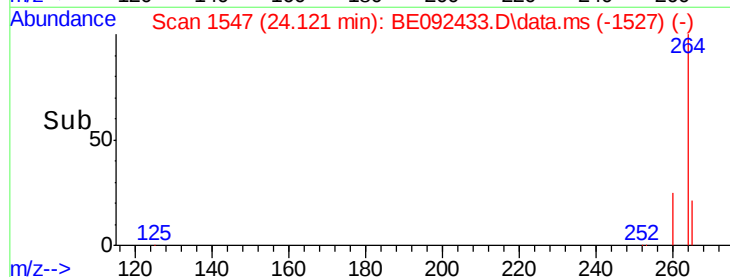
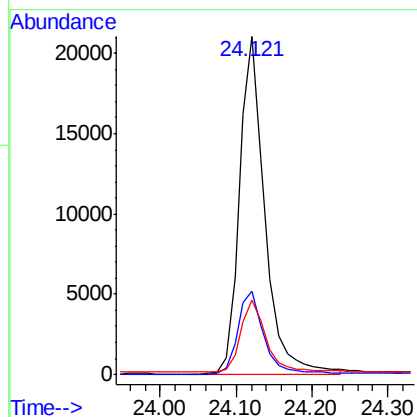
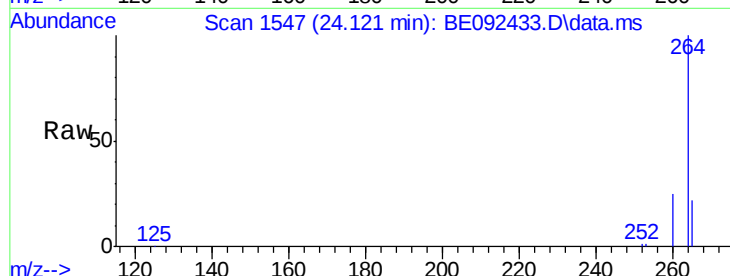
Tot Ion:264 Resp: 48482

Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

265 22.1 17.9 26.9



#32

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 23.404 min Scan# 1485

Delta R.T. 0.046 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

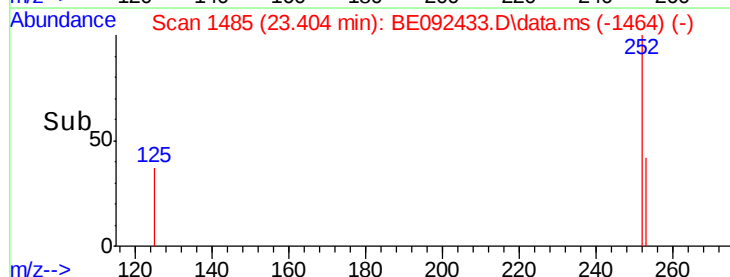
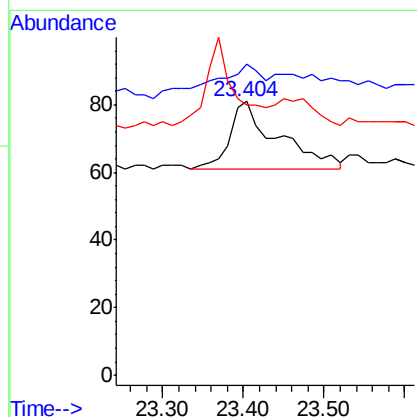
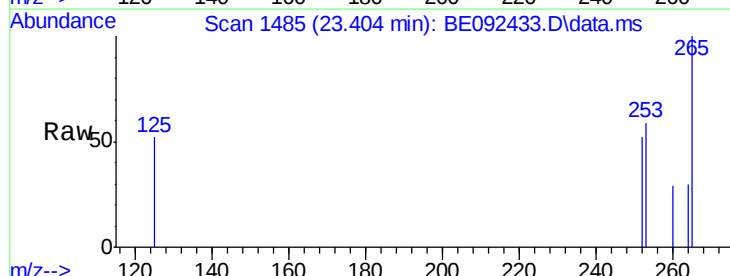
Tgt Ion:252 Resp: 83

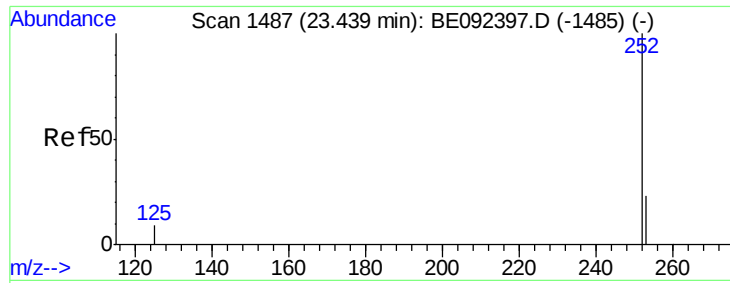
Ion Ratio Lower Upper

252 100

253 113.6 18.7 28.1#

125 98.8 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 23.404 min Scan# 14

Delta R.T. -0.000 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

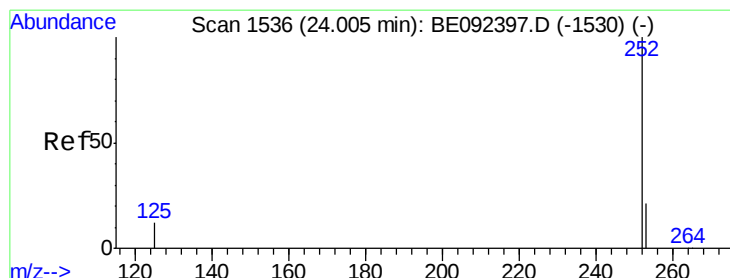
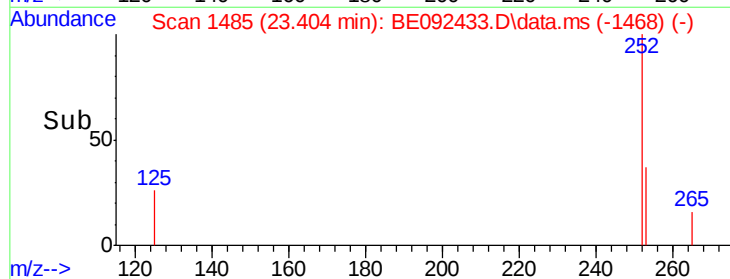
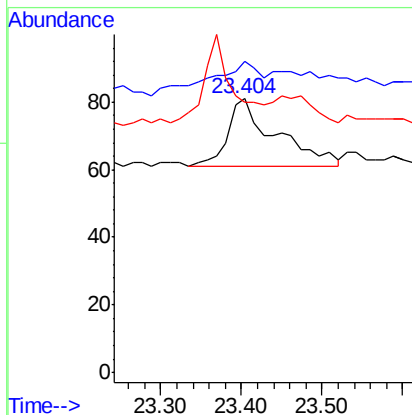
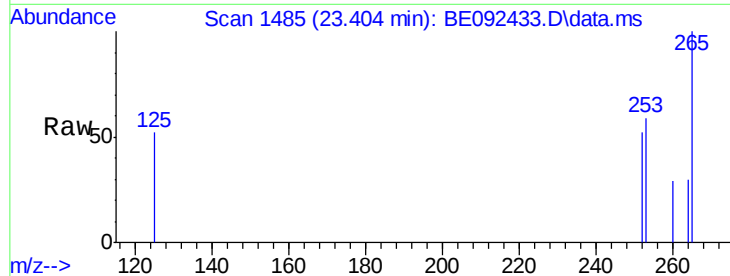
Tot Ion:252 Resp: 83

Ion Ratio Lower Upper

252 100

253 113.6 20.3 30.5#

125 98.8 9.6 14.4#



#34

Benzo(a)pyrene

Concen: 0.00 ng

RT: 24.005 min Scan# 1537

Delta R.T. 0.023 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

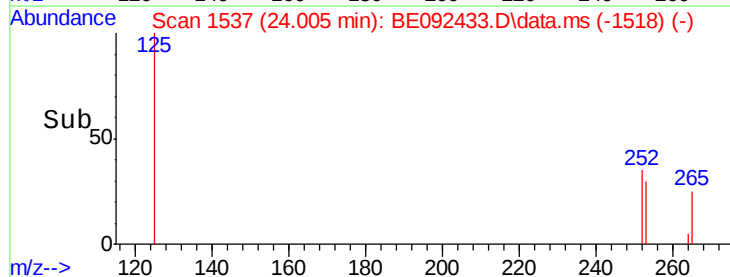
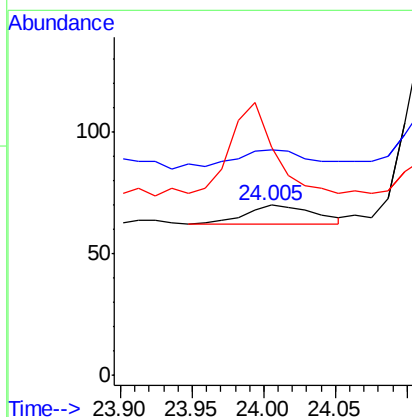
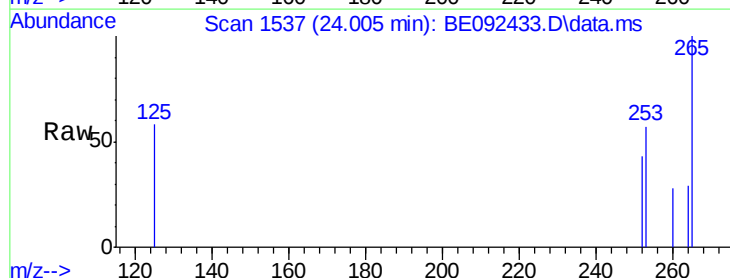
Tgt Ion:252 Resp: 28

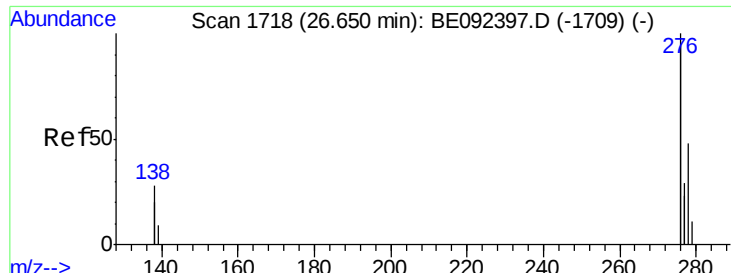
Ion Ratio Lower Upper

252 100

253 132.9 19.0 28.6#

125 134.3 11.8 17.8#





#35

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 26.735 min Scan# 1718

Delta R.T. 0.137 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Instrument :

BNA_E

ClientSampleId :

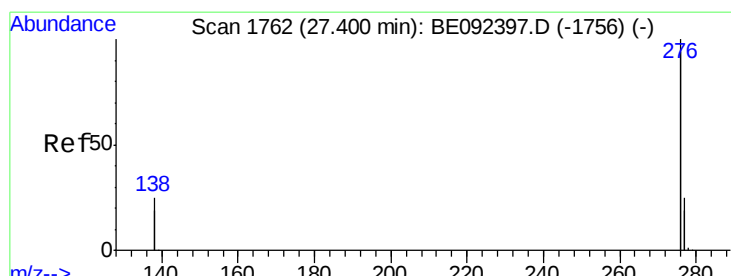
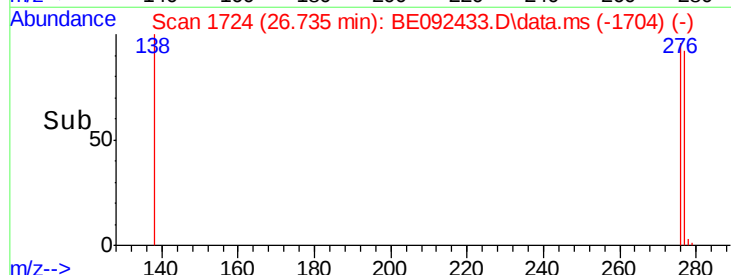
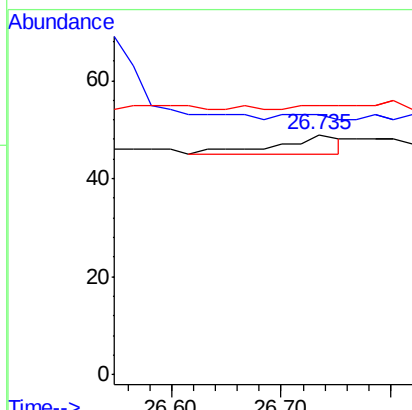
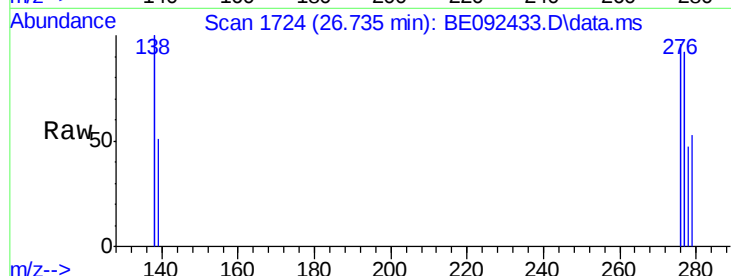
Tot Ion:278 Resp: 15

Ion Ratio Lower Upper

278 100

139 108.2 13.8 20.8#

279 112.2 21.4 32.2#



#36

Benzo(g,h,i)perylene

Concen: 0.00 ng

RT: 27.485 min Scan# 1768

Delta R.T. 0.137 min

Lab File: BE092433.D

Acq: 30 Sep 2016 12:24

Tgt Ion:276 Resp: 133

Ion Ratio Lower Upper

276 100

277 93.2 19.8 29.8#

138 101.0 19.8 29.6#

