

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
 Data File : BE092285.D
 Acq On : 29 Aug 2016 12:09
 Operator : UM/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 29 14:47:39 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 29 14:42:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	11201	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	52274	5.00	ng	-0.02
12) Acenaphthene-d10	14.83	164	28465	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	73227	5.00	ng	0.00
24) Chrysene-d12	21.75	240	81814	5.00	ng	0.00
31) Perylene-d12	24.12	264	79324	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.70	112	271	0.11	ng	0.00
5) Phenol-d6	7.38	99	363	0.10	ng	0.00
8) Nitrobenzene-d5	9.25	82	50	0.01	ng	-0.11
13) 2,4,6-Tribromophenol	16.33	330	79	0.09	ng	0.00
14) 2-Fluorobiphenyl	13.46	172	1037	0.12	ng	0.00
26) Terphenyl-d14	20.19	244	1256	0.09	ng	0.00

Target Compounds

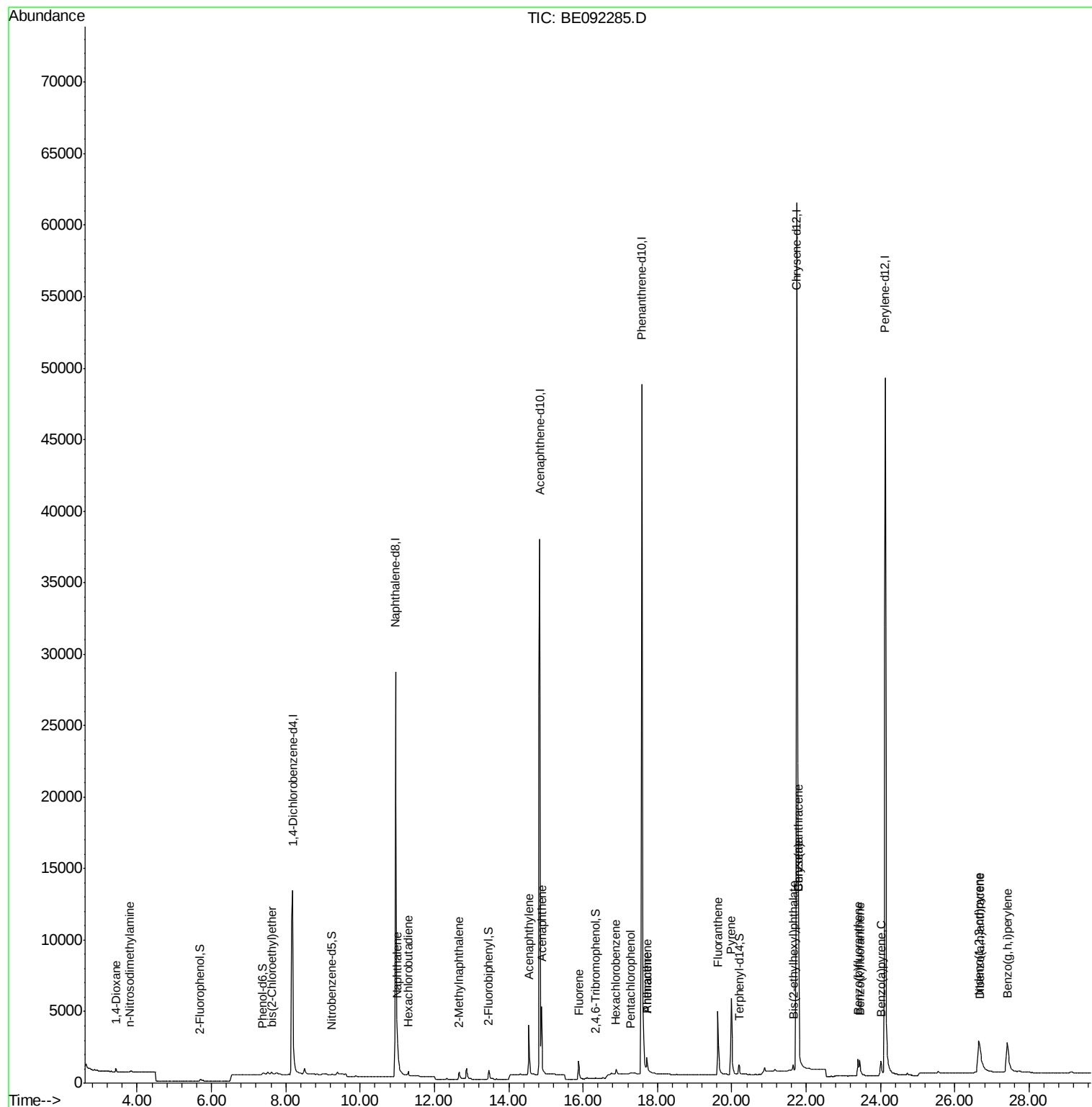
						Qvalue
2) 1,4-Dioxane	3.43	88	210	0.15	ng	91
3) n-Nitrosodimethylamine	3.81	42	171	0.10	ng	# 91
6) bis(2-Chloroethyl)ether	7.61	93	242	0.08	ng	# 80
9) Naphthalene	11.01	128	1349	0.12	ng	# 91
10) Hexachlorobutadiene	11.30	225	211	0.12	ng	99
11) 2-Methylnaphthalene	12.66	142	764	0.10	ng	# 96
15) Acenaphthylene	14.54	152	5327	0.11	ng	99
16) Acenaphthene	14.88	154	1008	0.13	ng	92
17) Fluorene	15.88	166	1085	0.11	ng	99
19) Hexachlorobenzene	16.89	284	333	0.11	ng	# 100
20) Pentachlorophenol	17.28	266	65	0.11	ng	91
21) Phenanthrene	17.72	178	1413	0.07	ng	98
22) Anthracene	17.72	178	1719	0.10	ng	99
23) Fluoranthene	19.63	202	8035	0.11	ng	99
25) Pyrene	19.99	202	8455	0.09	ng	99
27) Benzo(a)anthracene	21.79	228	19160	0.20	ng	# 95
28) Chrysene	21.79	228	19546	0.22	ng	94
29) Bis(2-ethylhexyl)phthalate	21.66	149	602	0.05	ng	# 100
30) Indeno(1,2,3-cd)pyrene	26.65	276	7701	0.08	ng	98
32) Benzo(b)fluoranthene	23.39	252	1816	0.09	ng	# 87
33) Benzo(k)fluoranthene	23.44	252	2330	0.11	ng	# 89
34) Benzo(a)pyrene	24.02	252	1938	0.10	ng	# 81
35) Dibenzo(a,h)anthracene	26.67	278	1435	0.08	ng	# 74
36) Benzo(g,h,i)perylene	27.42	276	7412	0.09	ng	# 87

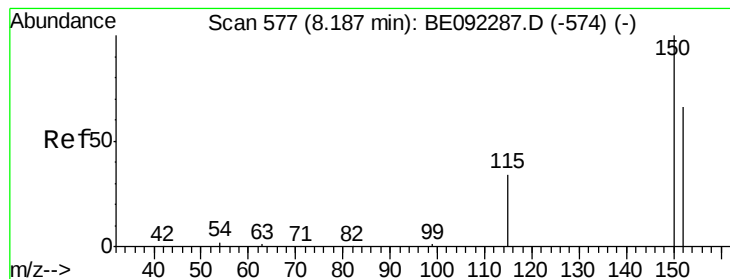
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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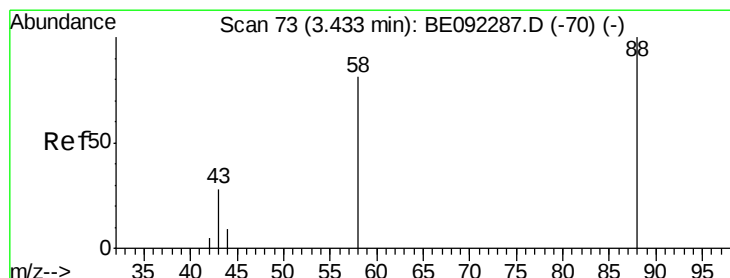
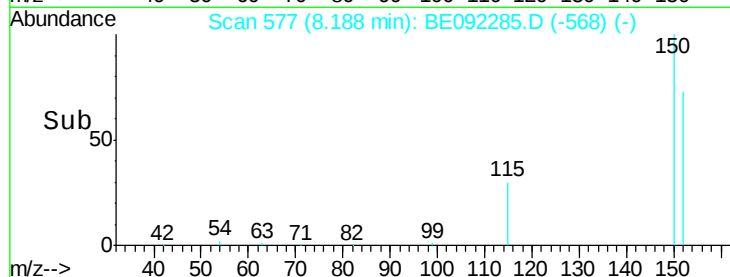
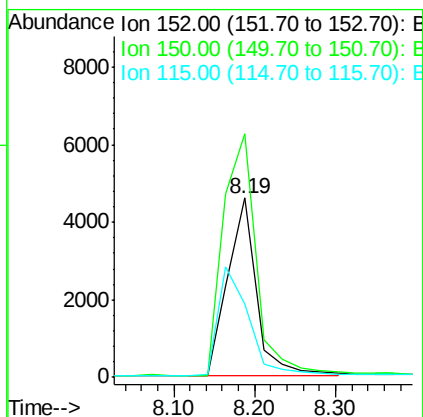
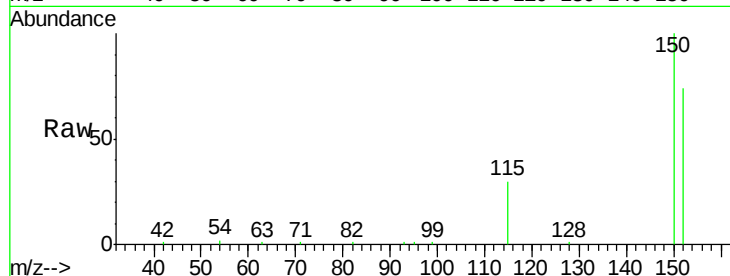


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

Instrument :
BNA_E
ClientSampleId :

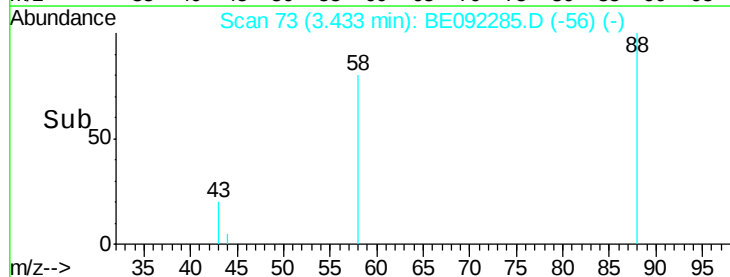
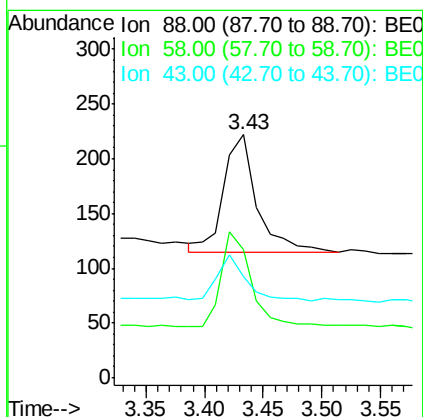
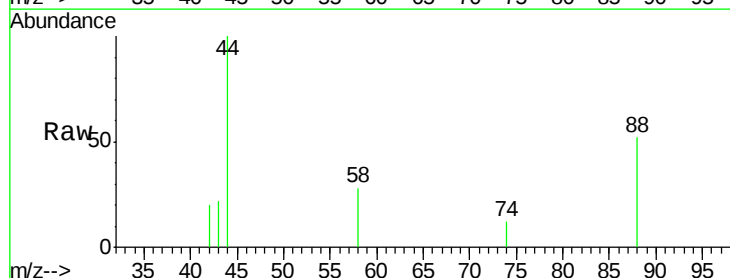
Tot Ion:152 Resp: 11201
Ion Ratio Lower Upper
152 100
150 135.9 135.6 203.4
115 41.2 59.4 89.0#

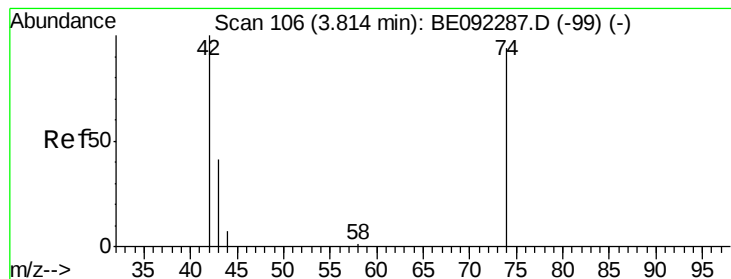


#2

1,4-Dioxane
Concen: 0.15 ng
RT: 3.43 min Scan# 73
Delta R.T. 0.00 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
58 72.4 64.4 96.6
43 36.2 33.4 50.2





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.81 min Scan# 106

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

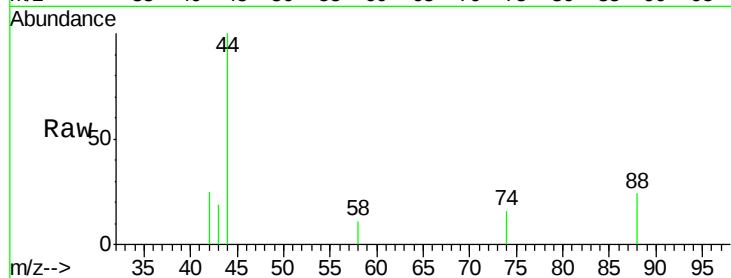
Instrument :

BNA_E

ClientSampled :

Tot Ion: 42 Resp: 171

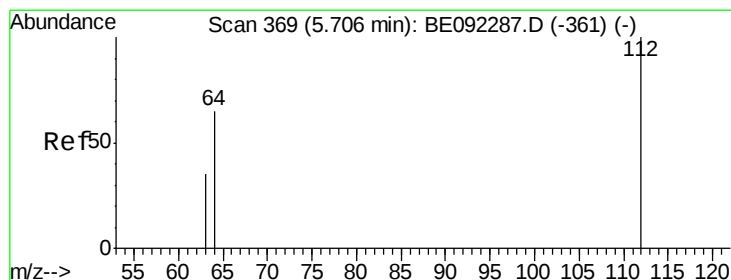
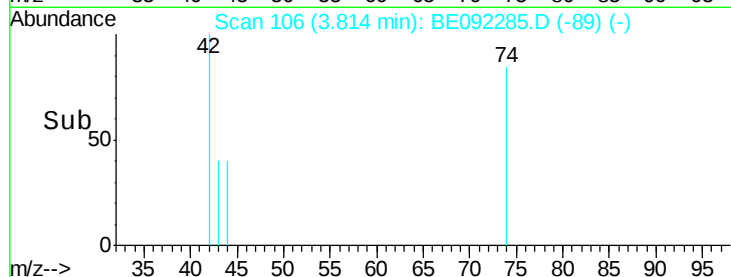
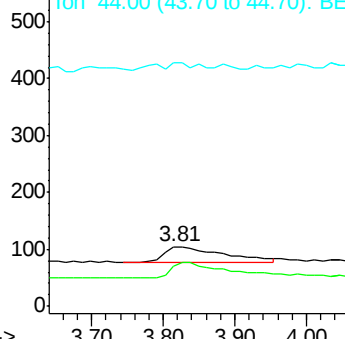
Ion	Ratio	Lower	Upper
42	100		
74	89.5	77.2	115.8
44	17.0	5.0	7.4#



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: 0.11 ng

RT: 5.70 min Scan# 369

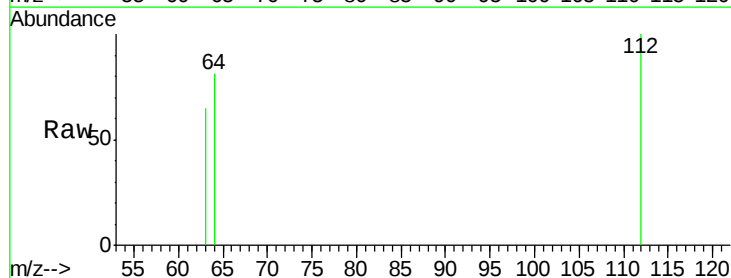
Delta R.T. -0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Tgt Ion: 112 Resp: 271

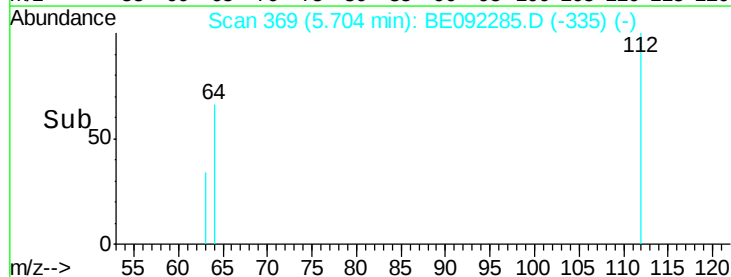
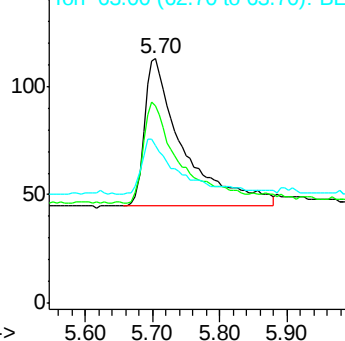
Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.2	79.8
63	33.2	27.4	41.2

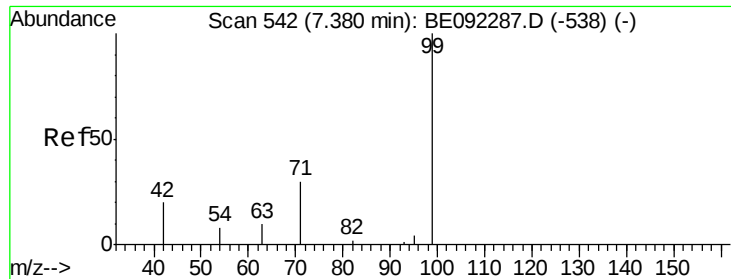


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.10 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

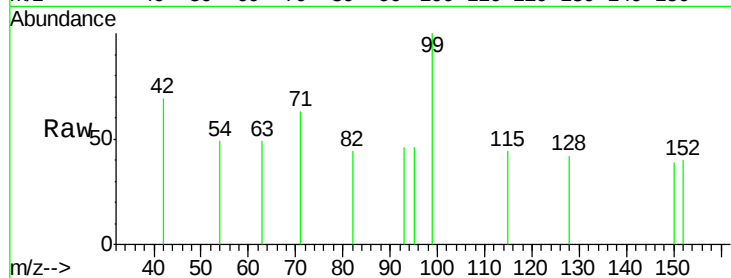
Tot Ion: 99 Resp: 363

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

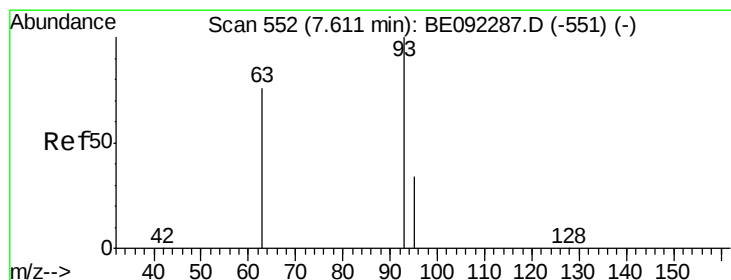
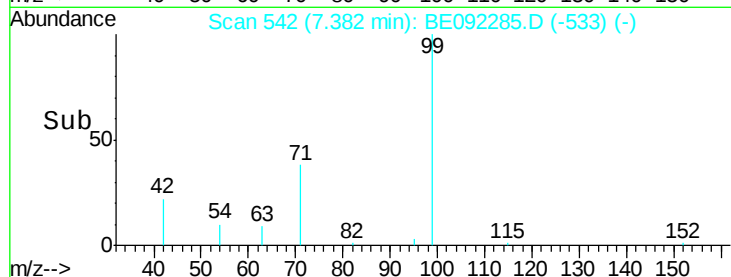
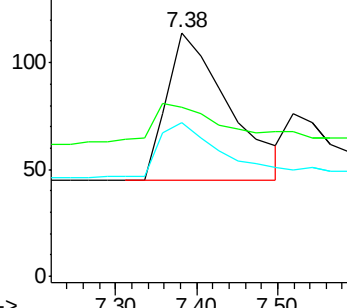
71 38.8 29.8 44.8



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: 0.08 ng

RT: 7.61 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

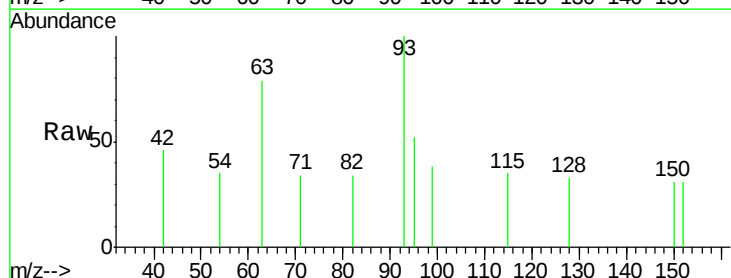
Tgt Ion: 93 Resp: 242

Ion Ratio Lower Upper

93 100

63 107.9 68.5 102.7#

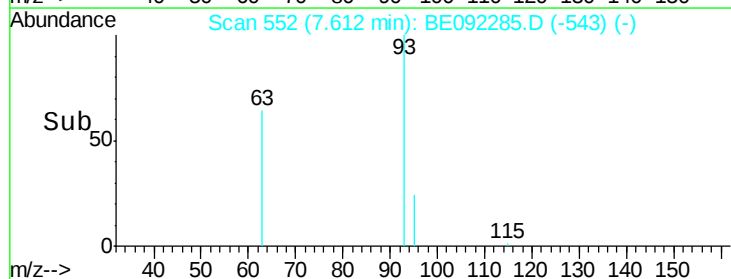
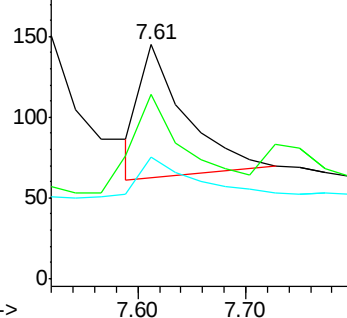
95 39.3 27.2 40.8

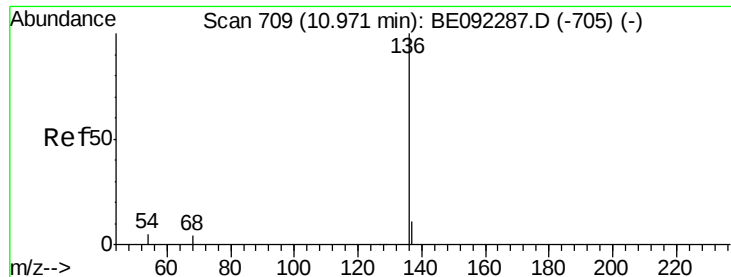


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.02 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 52274

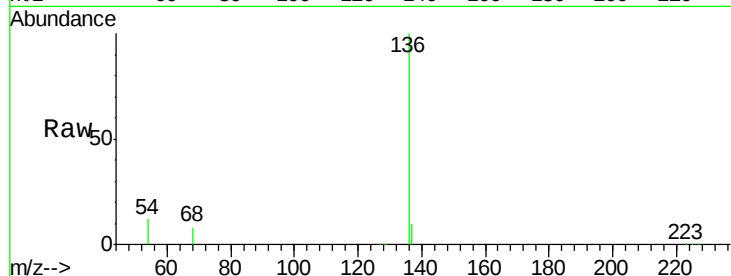
Ion Ratio Lower Upper

136 100

137 10.3 8.8 13.2

54 11.9 6.2 9.4#

68 8.0 4.6 6.8#

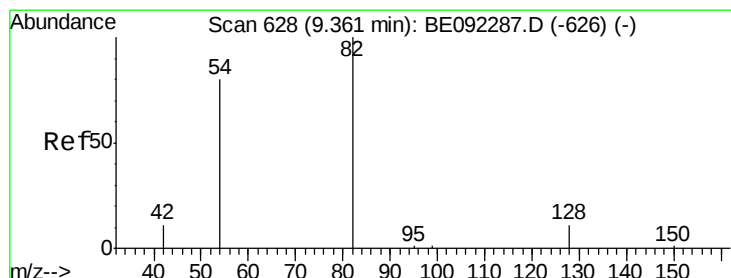
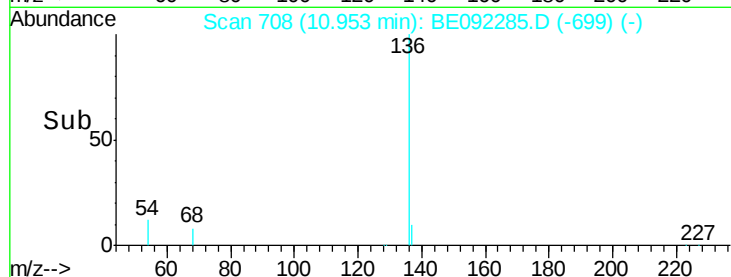
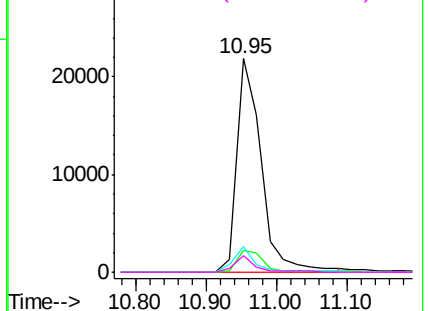


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.01 ng

RT: 9.25 min Scan# 623

Delta R.T. -0.11 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

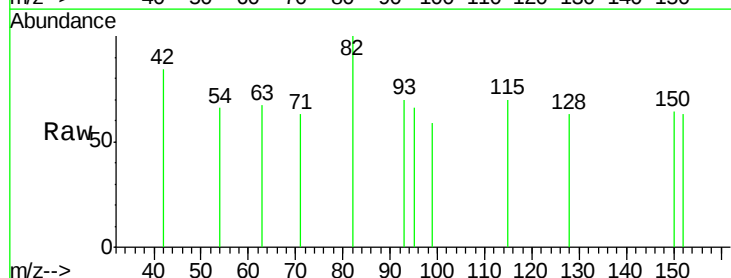
Tgt Ion: 82 Resp: 50

Ion Ratio Lower Upper

82 100

128 63.2 45.0 67.4

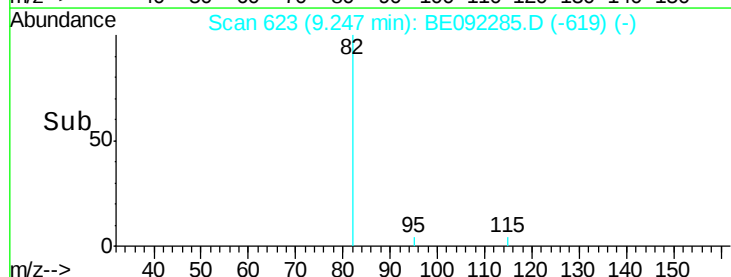
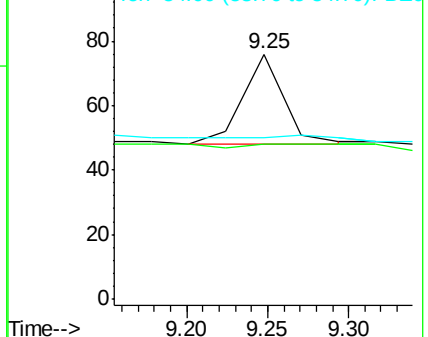
54 65.8 45.4 68.2

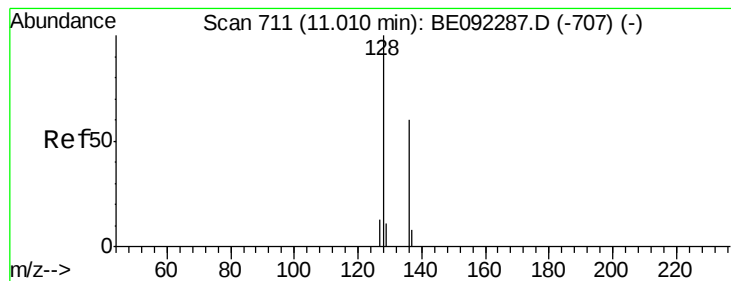


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.12 ng

RT: 11.01 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

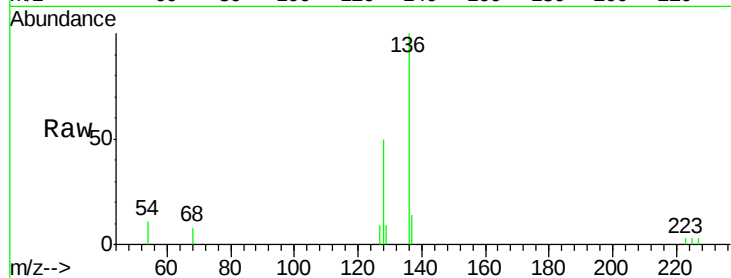
Tot Ion:128 Resp: 1349

Ion Ratio Lower Upper

128 100

129 17.4 11.5 17.3#

127 18.5 11.0 16.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

11.01

800

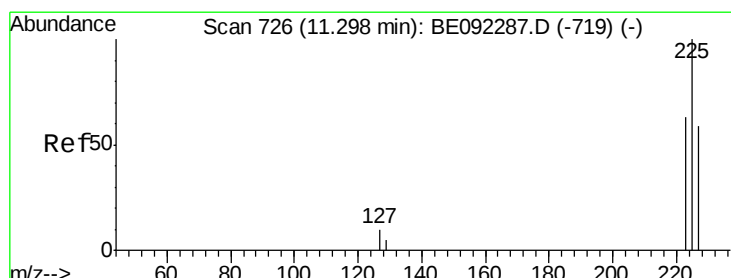
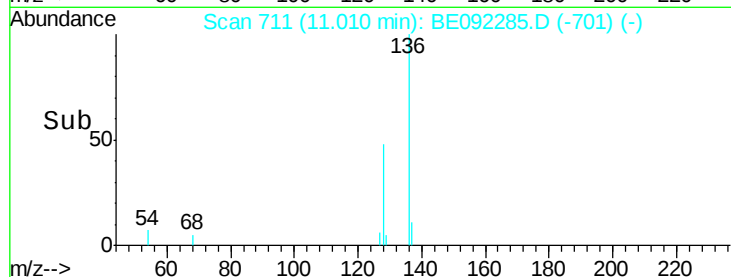
600

400

200

0

Time-->



#10

Hexachlorobutadiene

Concen: 0.12 ng

RT: 11.30 min Scan# 726

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

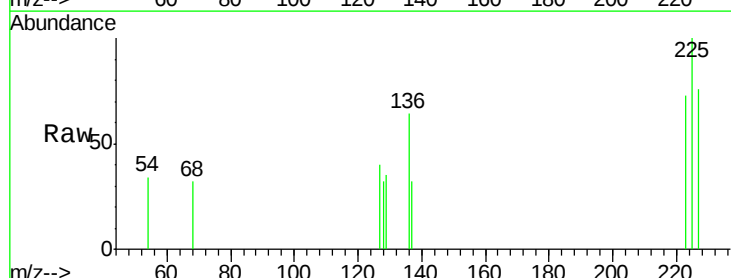
Tgt Ion:225 Resp: 211

Ion Ratio Lower Upper

225 100

223 64.0 52.2 78.4

227 64.0 51.0 76.6



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

11.30

200

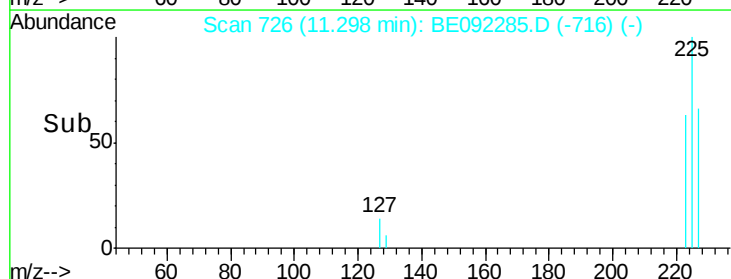
150

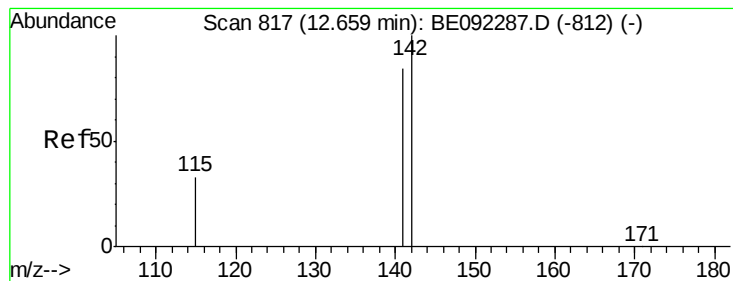
100

50

0

Time-->





#11

2-Methylnaphthalene

Concen: 0.10 ng

RT: 12.66 min Scan# 817

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

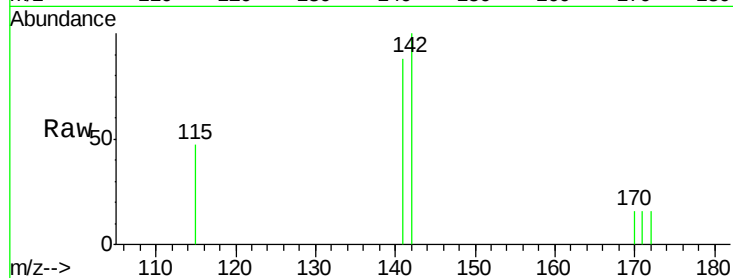
Tot Ion:142 Resp: 764

Ion Ratio Lower Upper

142 100

141 88.1 70.6 105.8

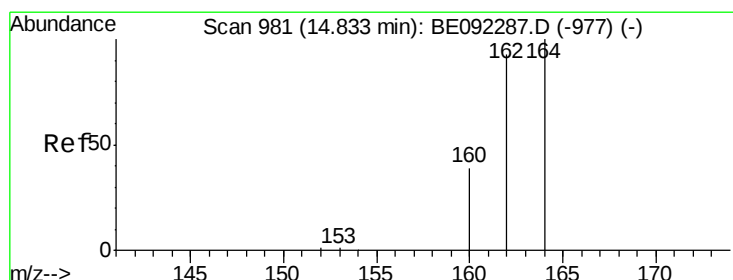
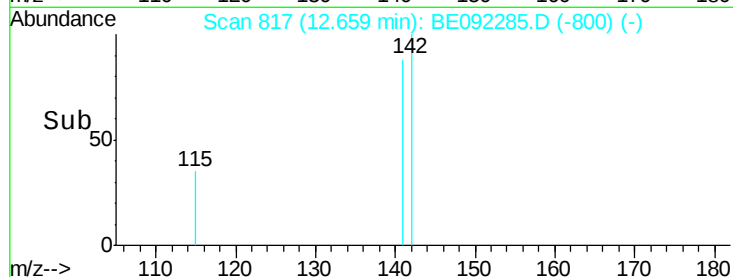
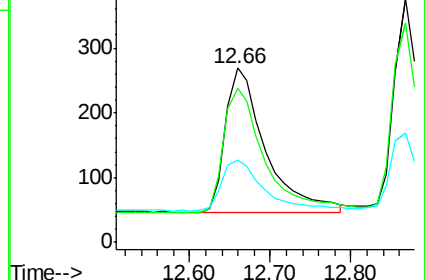
115 47.2 31.0 46.4#



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: 14.83 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

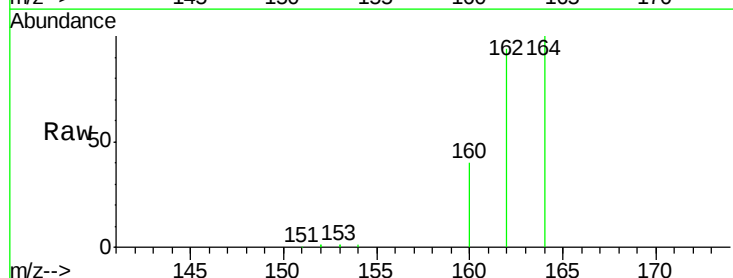
Tgt Ion:164 Resp: 28465

Ion Ratio Lower Upper

164 100

162 93.9 83.3 124.9

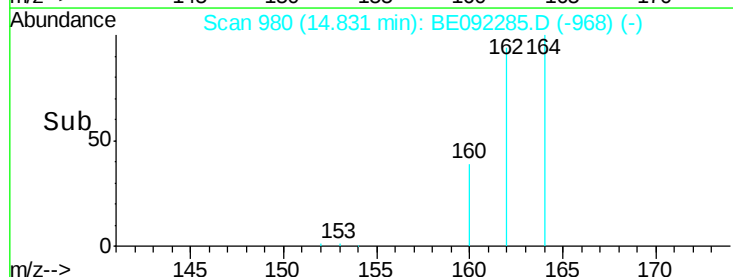
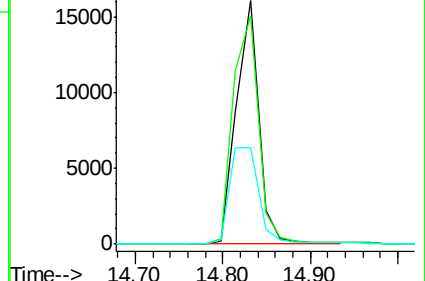
160 39.5 38.0 57.0

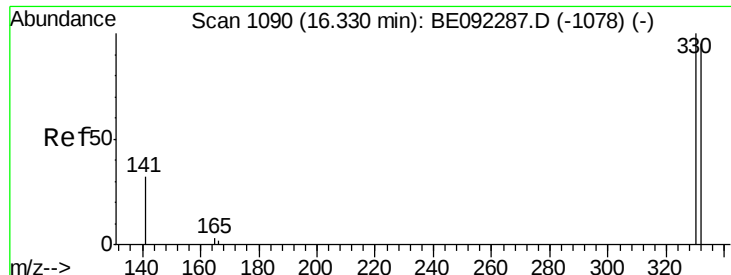


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

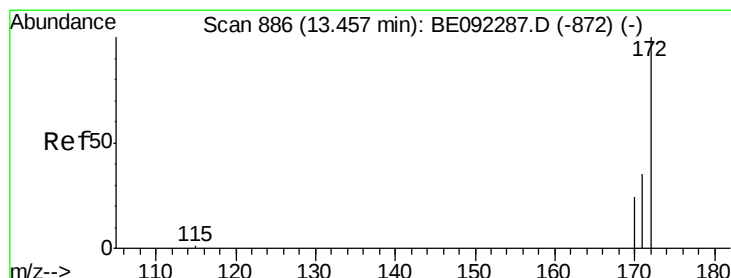
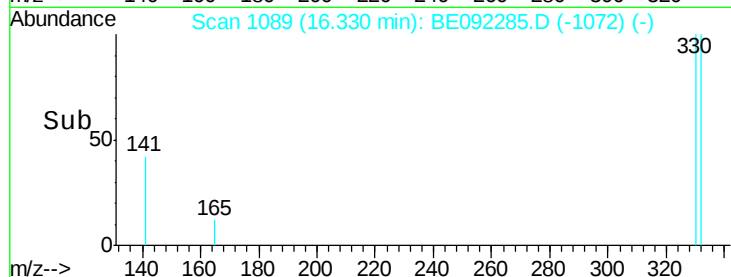
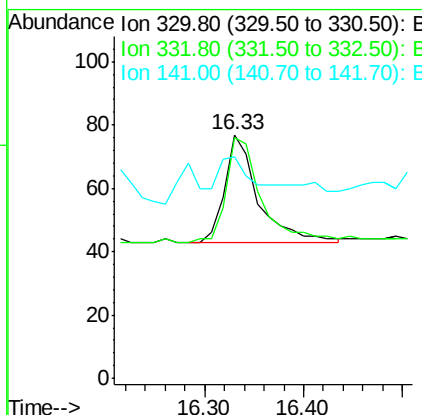
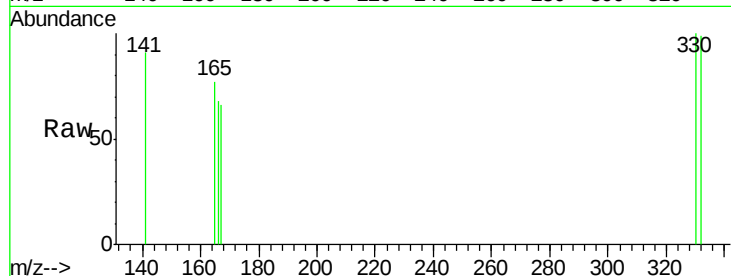




#13
 2,4,6-Tribromophenol
 Concen: 0.09 ng
 RT: 16.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092285.D
 Acq: 29 Aug 2016 12:09

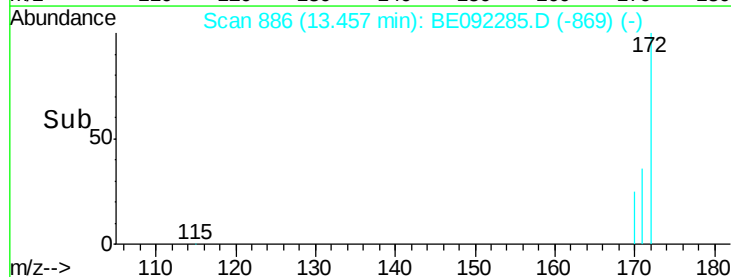
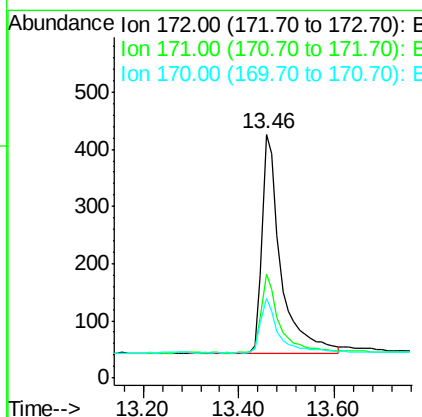
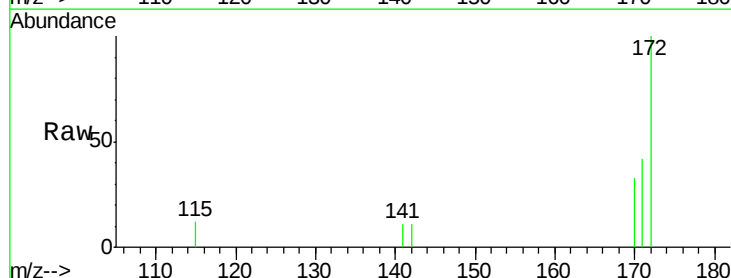
Instrument :
 BNA_E
 ClientSampleId :

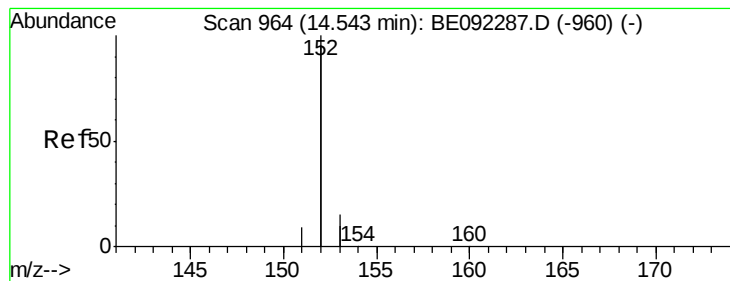
Tot Ion:330 Resp: 79
 Ion Ratio Lower Upper
 330 100
 332 106.3 75.4 113.0
 141 24.1 37.7 56.5#



#14
 2-Fluorobiphenyl
 Concen: 0.12 ng
 RT: 13.46 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BE092285.D
 Acq: 29 Aug 2016 12:09

Tgt Ion:172 Resp: 1037
 Ion Ratio Lower Upper
 172 100
 171 42.5 26.8 40.2#
 170 32.6 17.8 26.6#





#15

Acenaphthylene

Concen: 0.11 ng

RT: 14.54 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

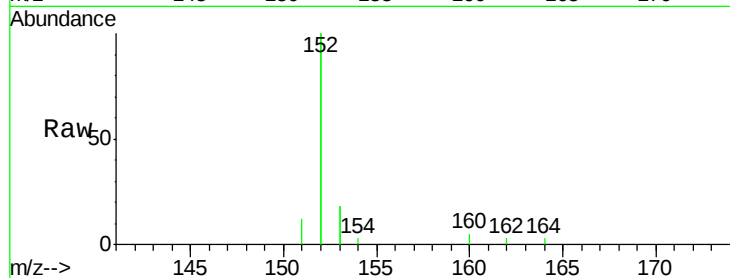
Tot Ion:152 Resp: 5327

Ion Ratio Lower Upper

152 100

151 5.0 3.8 5.8

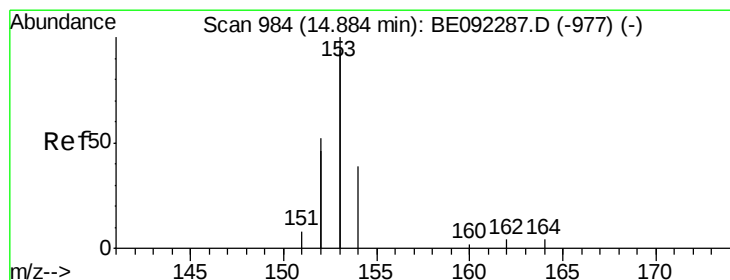
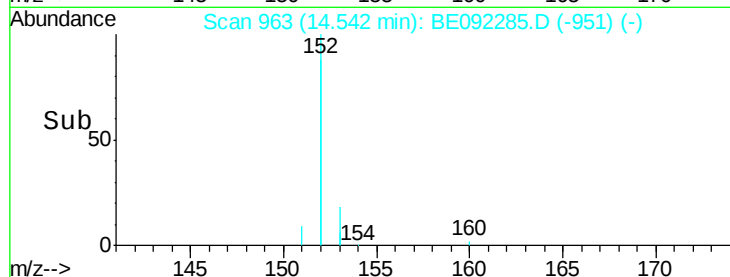
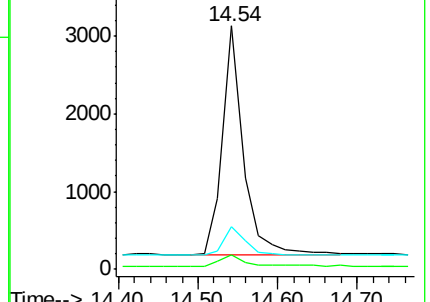
153 13.2 10.2 15.2



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: 0.13 ng

RT: 14.88 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

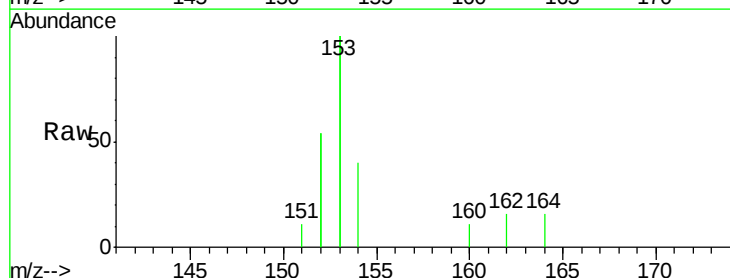
Tgt Ion:154 Resp: 1008

Ion Ratio Lower Upper

154 100

153 418.8 355.0 532.4

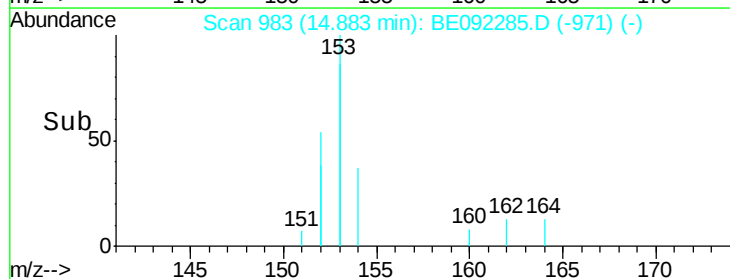
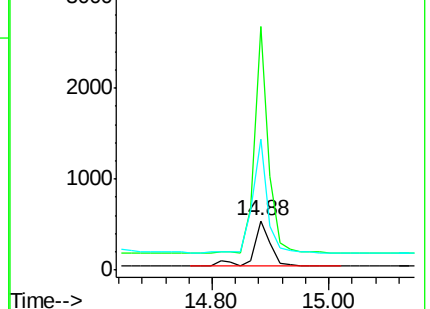
152 216.8 179.7 269.5

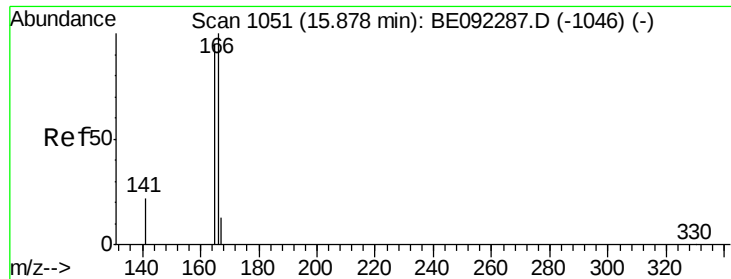


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.11 ng

RT: 15.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

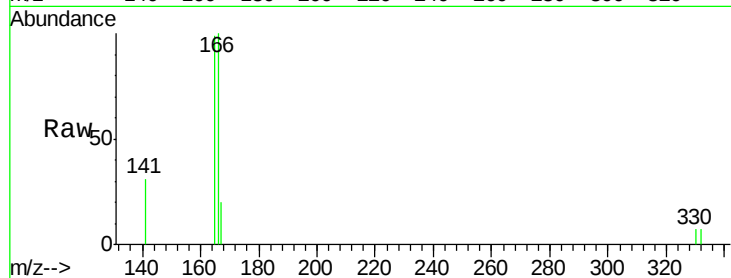
Tot Ion:166 Resp: 1085

Ion Ratio Lower Upper

166 100

165 99.7 80.1 120.1

167 14.5 10.6 16.0



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

15.88

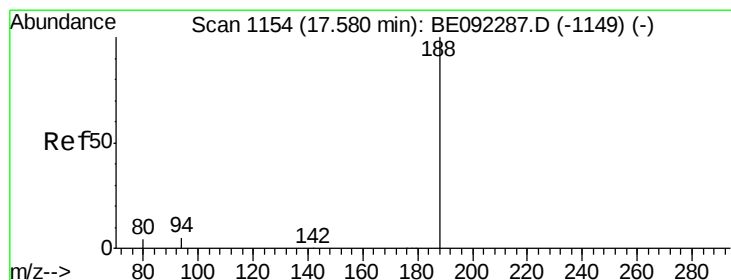
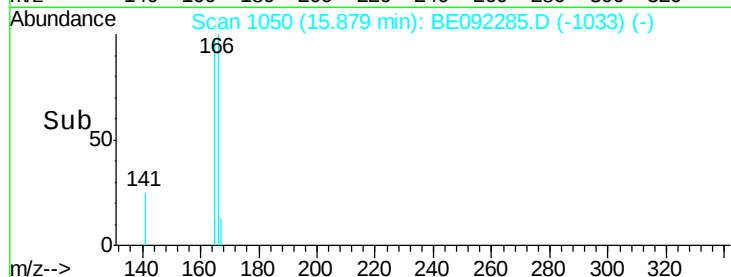
600

400

200

0

Time--> 15.80 15.90 16.00



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

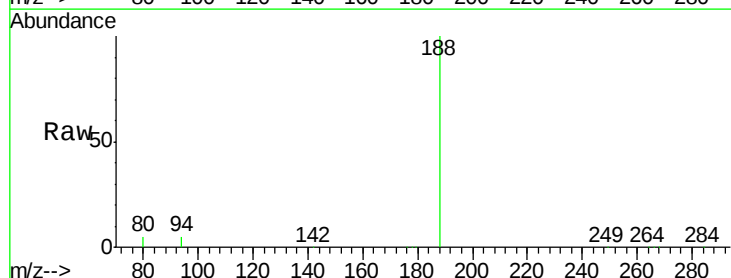
Tgt Ion:188 Resp: 73227

Ion Ratio Lower Upper

188 100

94 5.3 9.2 13.8#

80 4.6 9.1 13.7#



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

17.58

60000

50000

40000

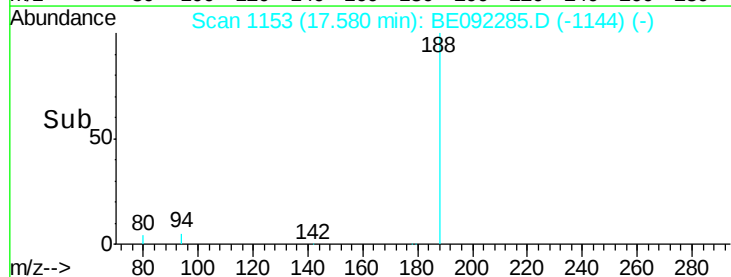
30000

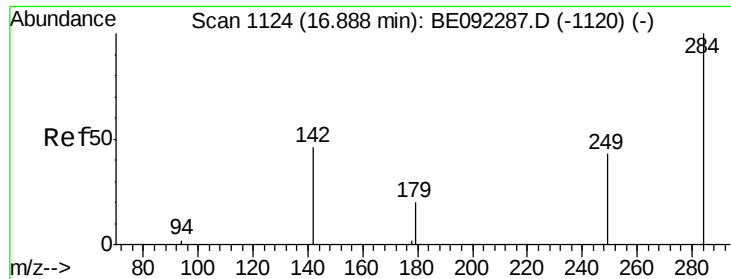
20000

10000

0

Time--> 17.40 17.50 17.60 17.70

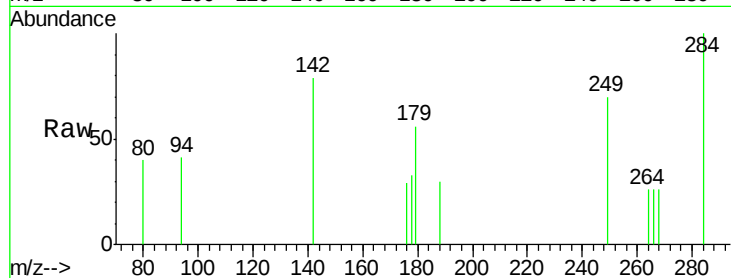




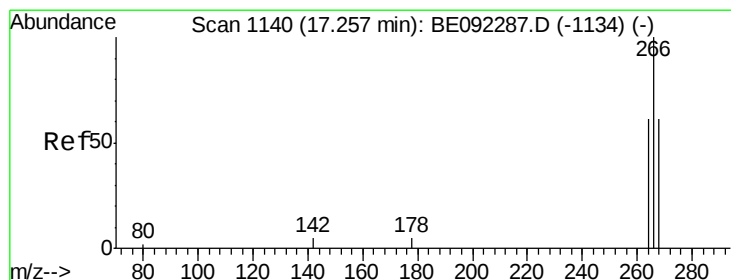
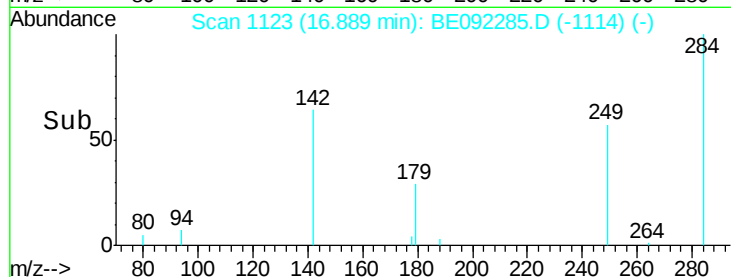
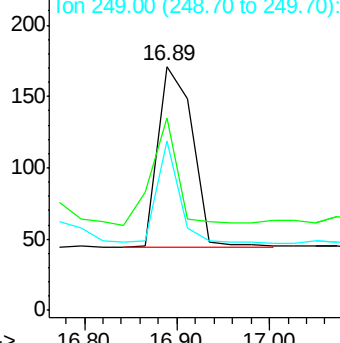
#19
Hexachlorobenzene
Concen: 0.11 ng
RT: 16.89 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 333
Ion Ratio Lower Upper
284 100
142 45.6 0.0 0.0#
249 36.9 0.0 0.0#

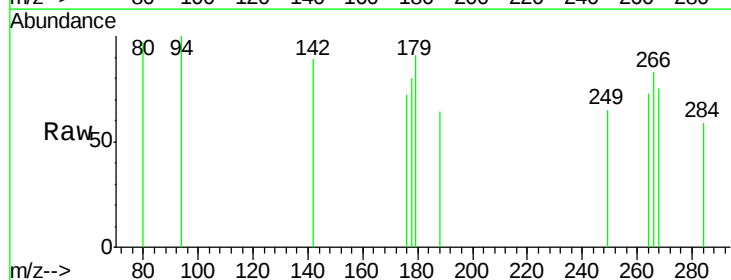


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

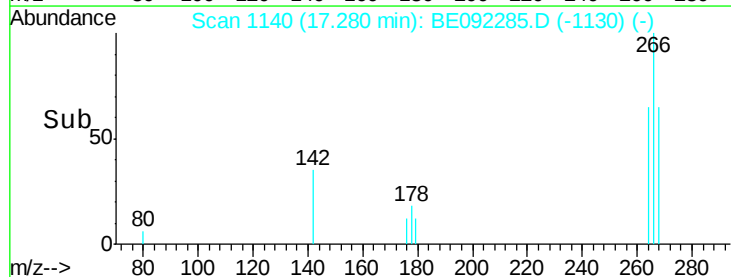
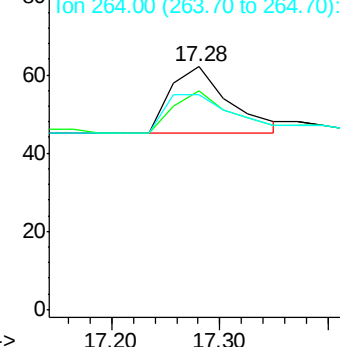


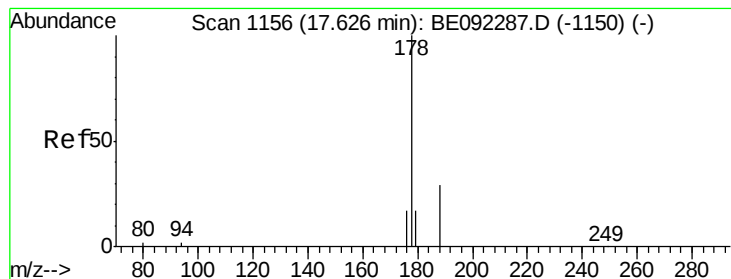
#20
Pentachlorophenol
Concen: 0.11 ng
RT: 17.28 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

Tgt Ion:266 Resp: 65
Ion Ratio Lower Upper
266 100
268 90.3 62.3 93.5
264 88.7 67.4 101.0



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





#21

Phenanthrene

Concen: 0.07 ng

RT: 17.72 min Scan# 1159

Delta R.T. 0.09 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampled :

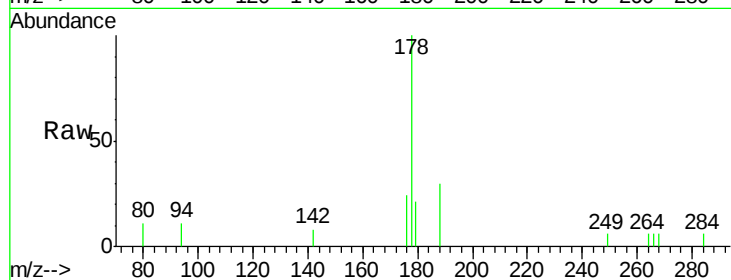
Tot Ion:178 Resp: 1413

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

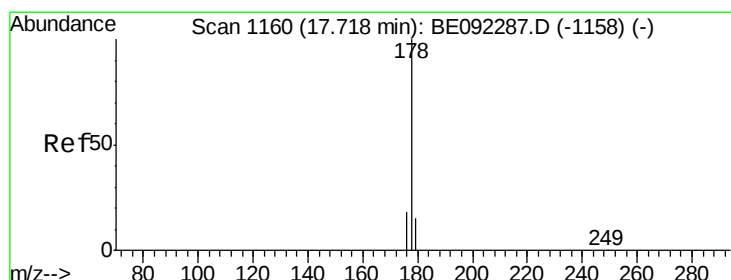
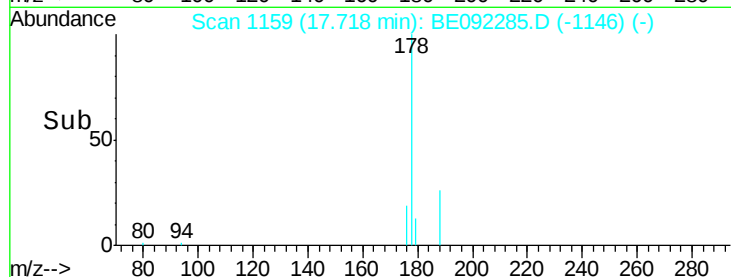
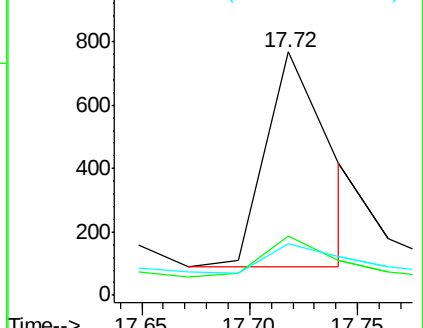
179 14.2 12.9 19.3



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: 0.10 ng

RT: 17.72 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

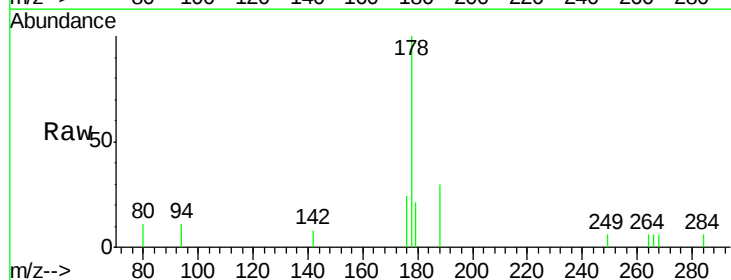
Tgt Ion:178 Resp: 1719

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

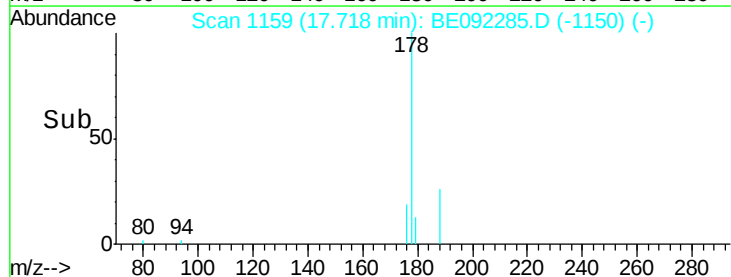
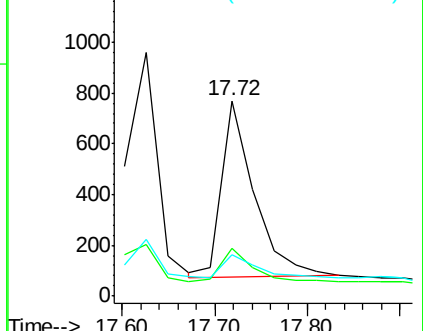
179 14.5 12.0 18.0

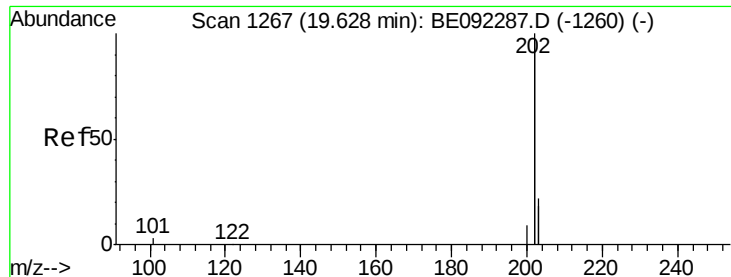


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.11 ng

RT: 19.63 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

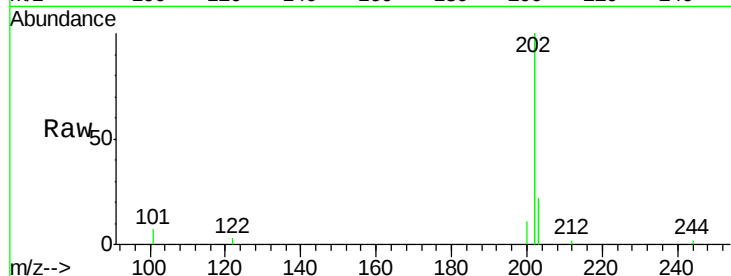
Tot Ion:202 Resp: 8035

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

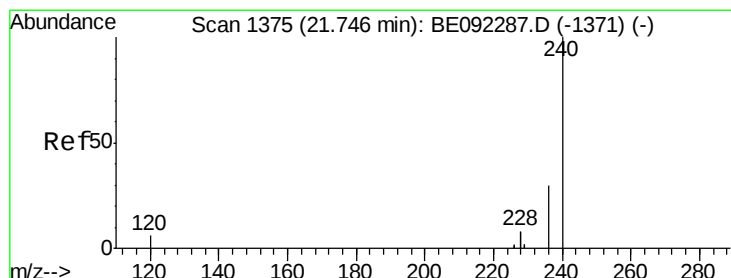
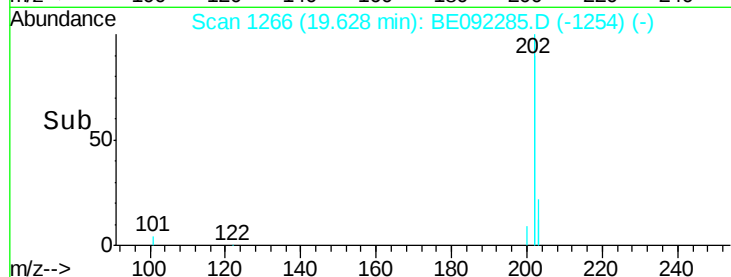
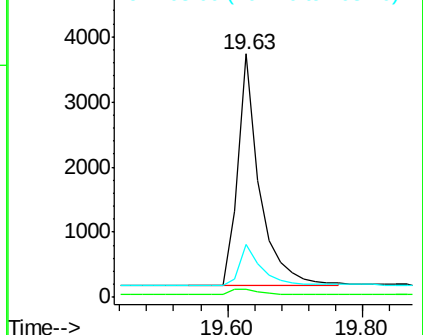
203 17.6 13.7 20.5



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# 1374

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

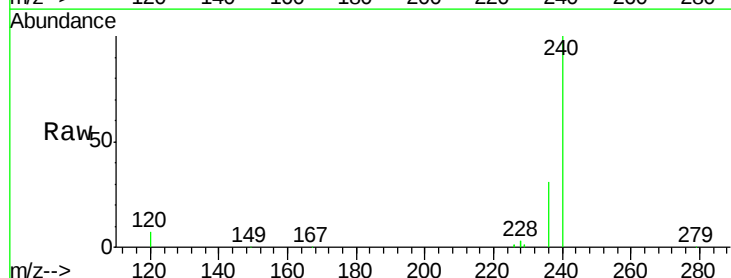
Tgt Ion:240 Resp: 81814

Ion Ratio Lower Upper

240 100

120 6.6 1.2 1.8#

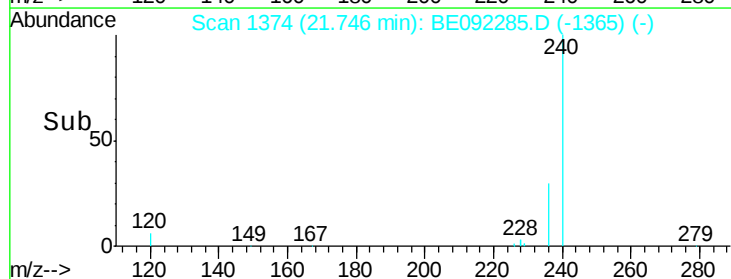
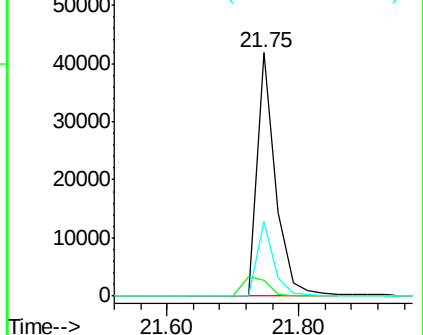
236 30.6 17.1 25.7#

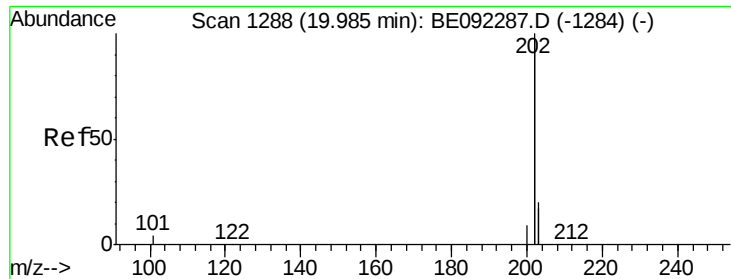


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

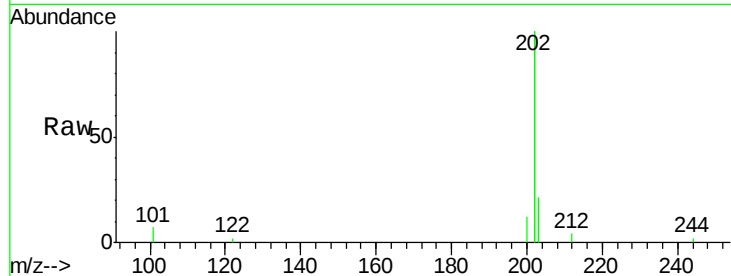




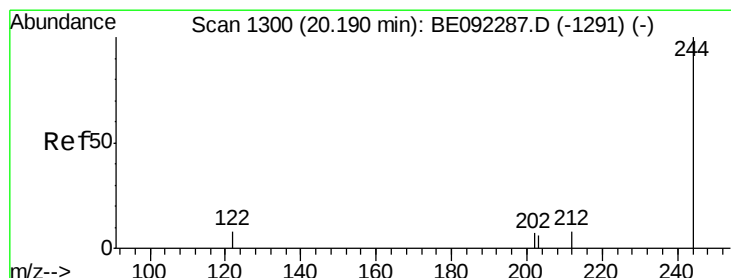
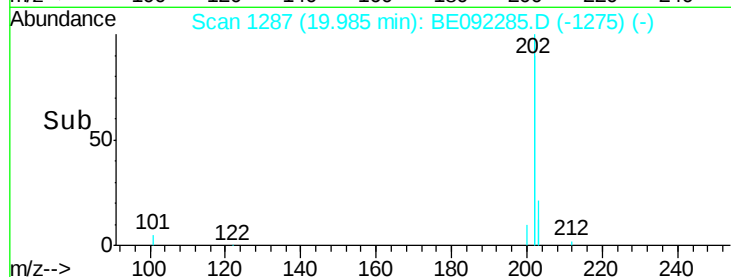
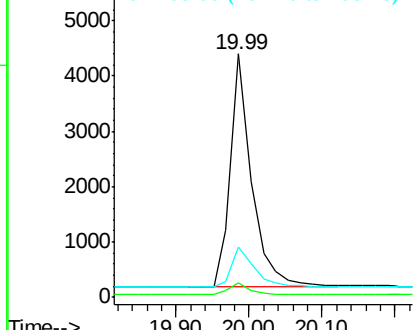
#25
Pvrene
Concen: 0.09 ng
RT: 19.99 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 8455
Ion Ratio Lower Upper
202 100
200 5.3 4.2 6.4
203 18.3 14.0 21.0

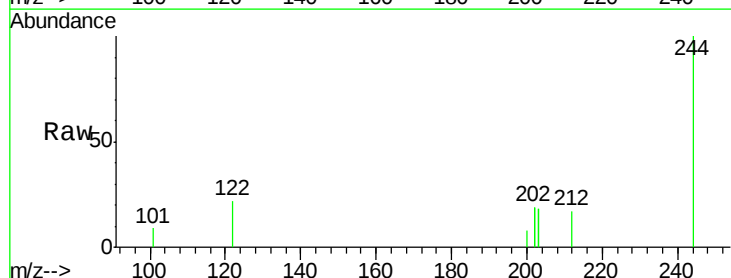


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

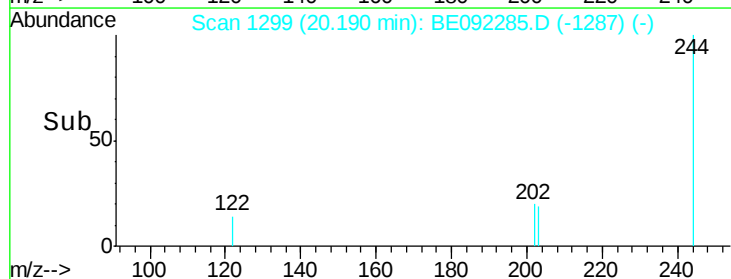
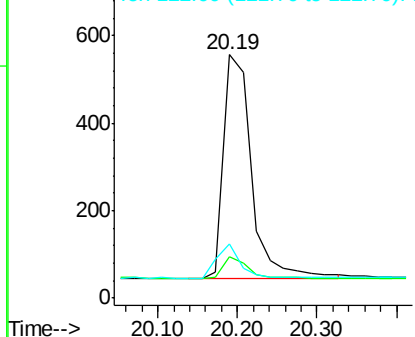


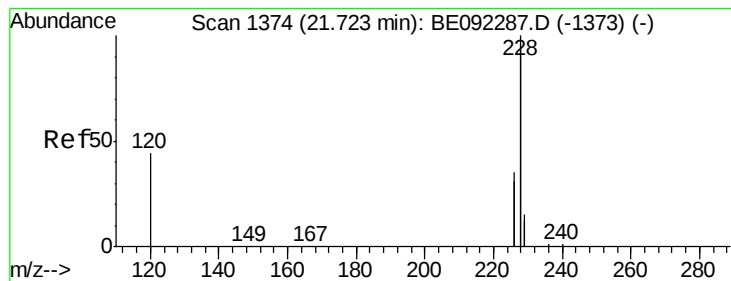
#26
Terphenyl-d14
Concen: 0.09 ng
RT: 20.19 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

Tgt Ion:244 Resp: 1256
Ion Ratio Lower Upper
244 100
212 16.9 10.2 15.2#
122 22.3 15.9 23.9



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: 0.20 ng

RT: 21.79 min Scan# 1376

Delta R.T. 0.07 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

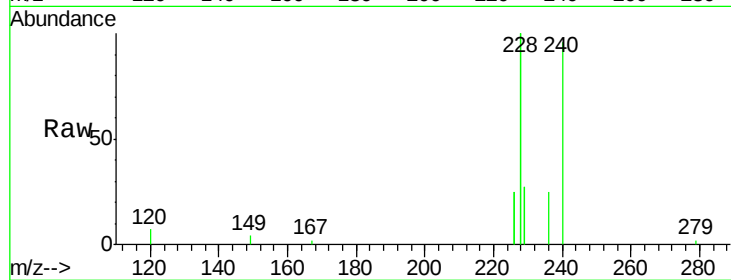
Tot Ion:228 Resp: 19160

Ion Ratio Lower Upper

228 100

226 24.8 15.9 23.9#

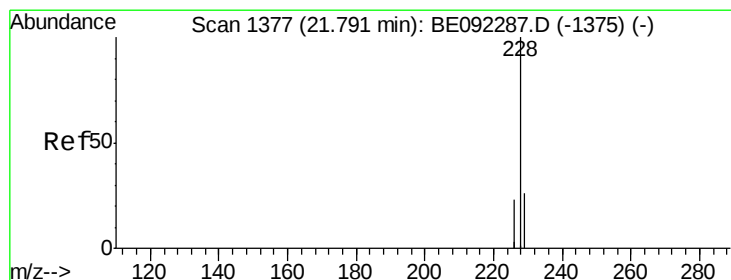
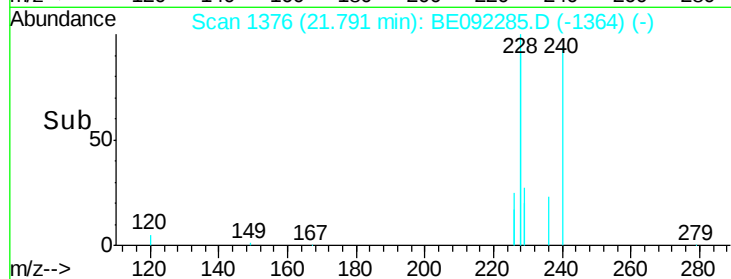
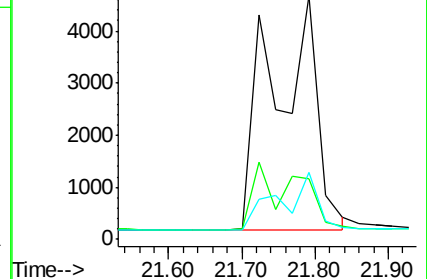
229 27.3 22.4 33.6



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: 0.22 ng

RT: 21.79 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

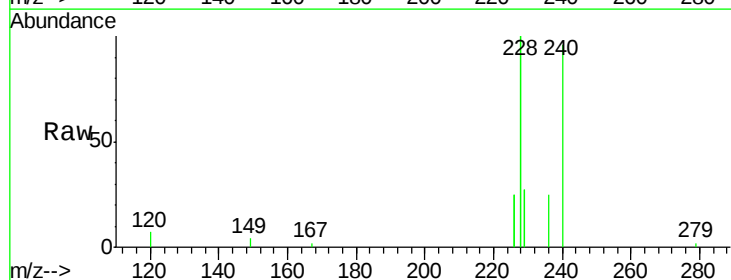
Tgt Ion:228 Resp: 19546

Ion Ratio Lower Upper

228 100

226 24.8 18.3 27.5

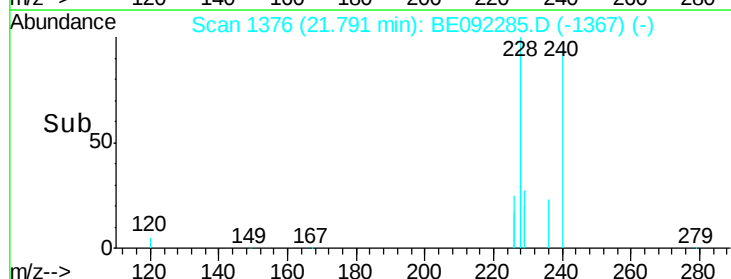
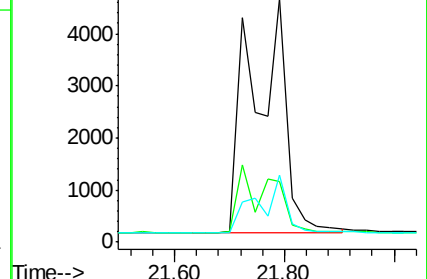
229 27.3 18.6 27.8

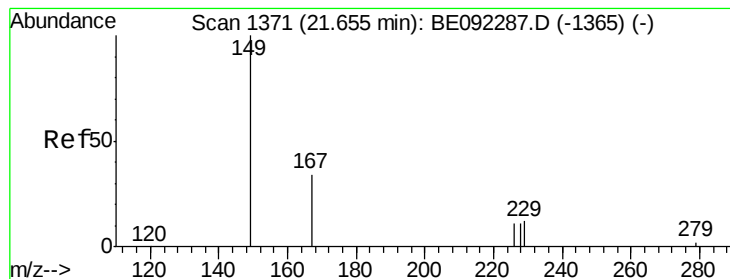


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.05 ng

RT: 21.66 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

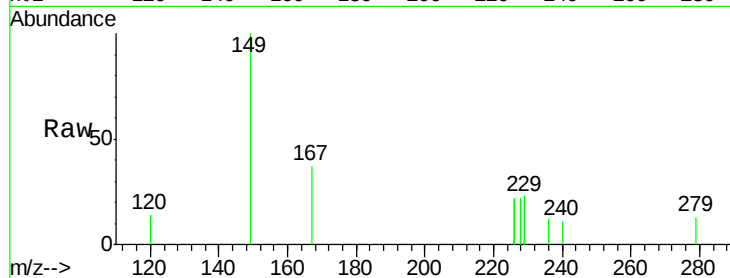
Tot Ion:149 Resp: 602

Ion Ratio Lower Upper

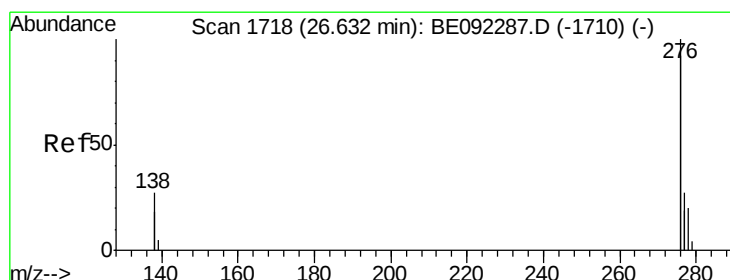
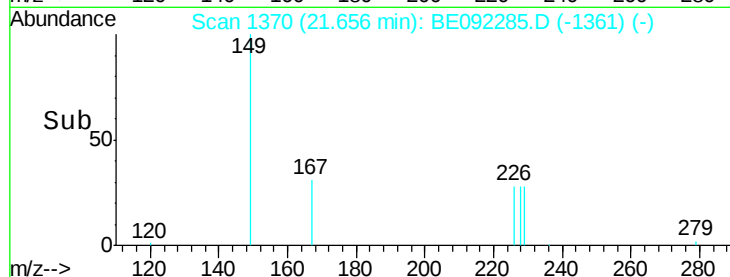
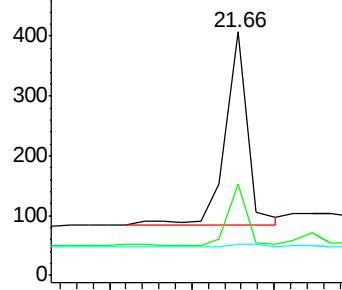
149 100

167 27.6 22.1 33.1

279 2.7 0.0 0.0#



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: 0.08 ng

RT: 26.65 min Scan# 1718

Delta R.T. 0.02 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

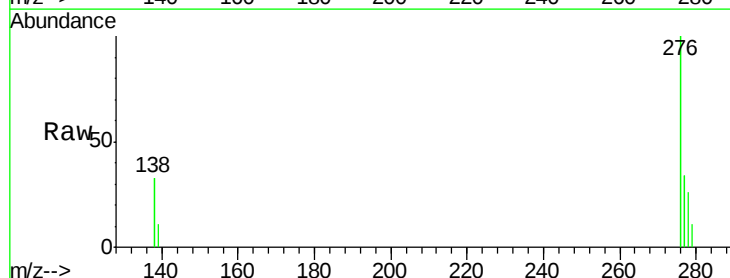
Tgt Ion:276 Resp: 7701

Ion Ratio Lower Upper

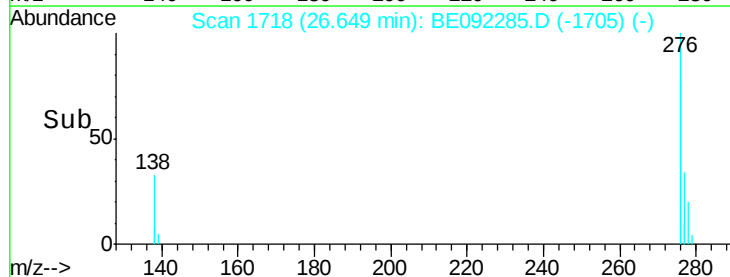
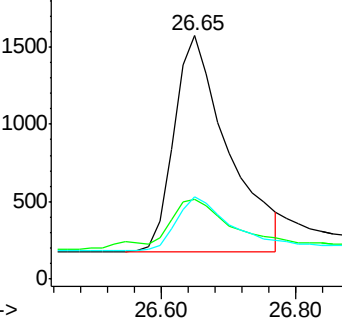
276 100

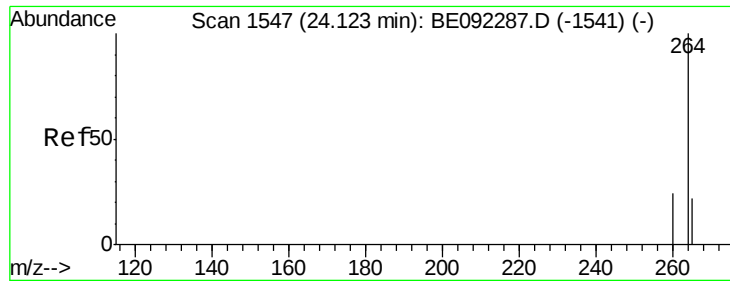
138 28.0 21.3 31.9

277 25.0 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

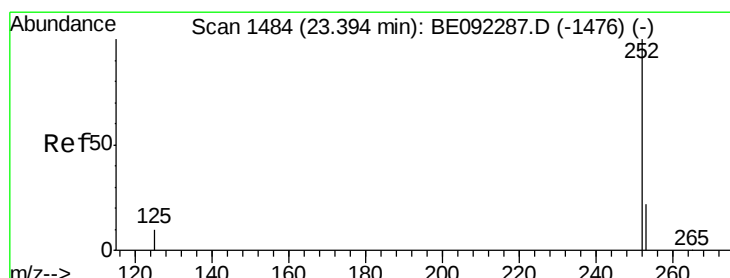
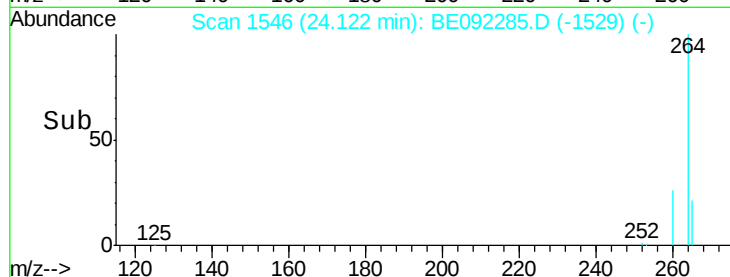
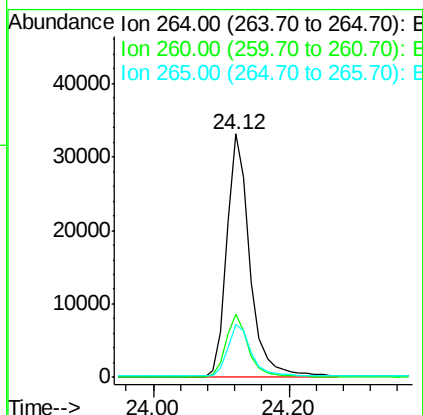
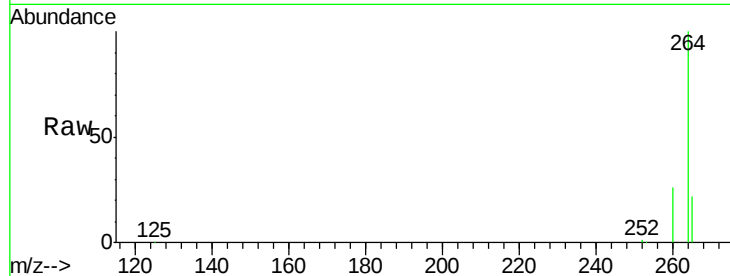




#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

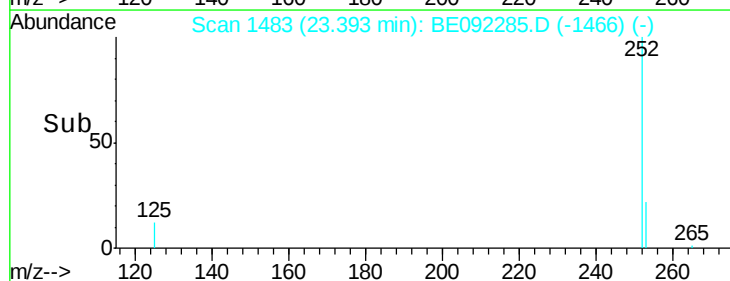
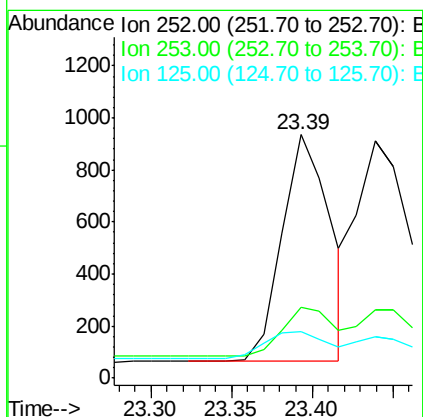
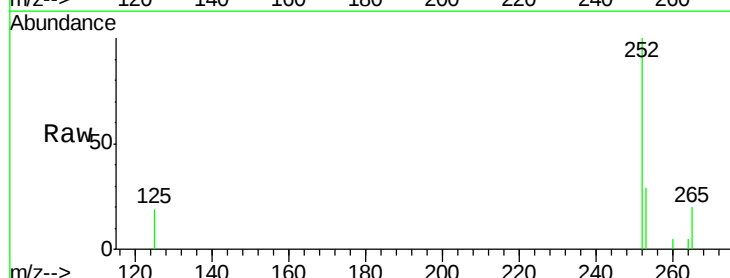
Instrument :
BNA_E
ClientSampleId :

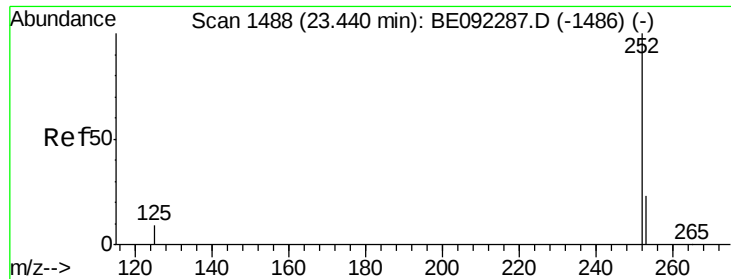
Tot Ion:264 Resp: 79324
Ion Ratio Lower Upper
264 100
260 25.7 19.5 29.3
265 21.6 18.2 27.4



#32
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 23.39 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE092285.D
Acq: 29 Aug 2016 12:09

Tgt Ion:252 Resp: 1816
Ion Ratio Lower Upper
252 100
253 29.1 19.0 28.4#
125 19.3 10.3 15.5#





#33

Benzo(k)fluoranthene

Concen: 0.11 ng

RT: 23.44 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

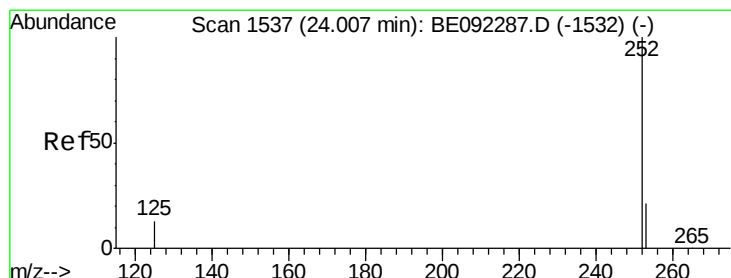
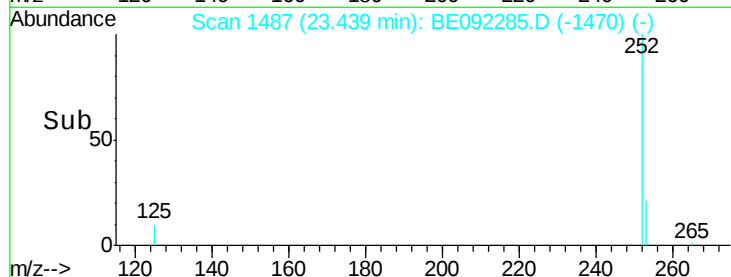
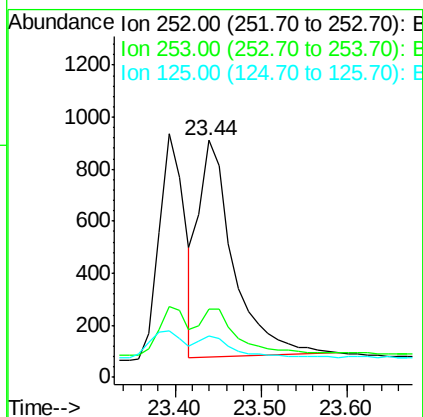
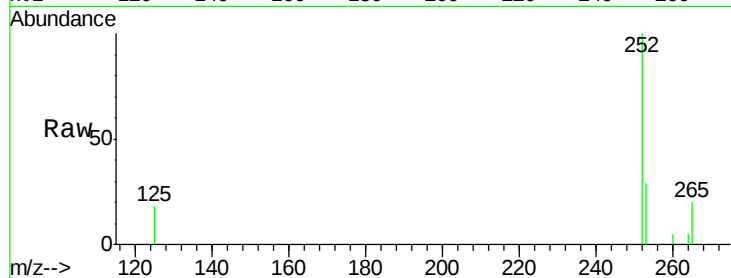
Tot Ion:252 Resp: 2330

Ion Ratio Lower Upper

252 100

253 29.0 19.0 28.6#

125 17.7 10.6 15.8#



#34

Benzo(a)pyrene

Concen: 0.10 ng

RT: 24.02 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

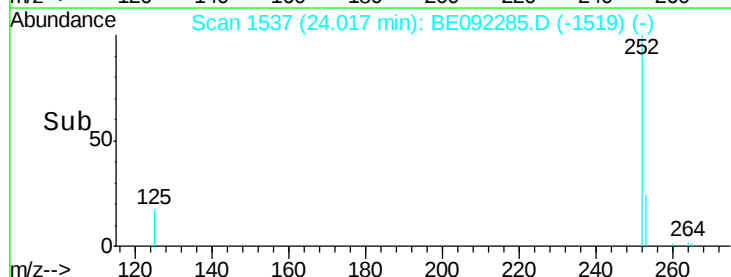
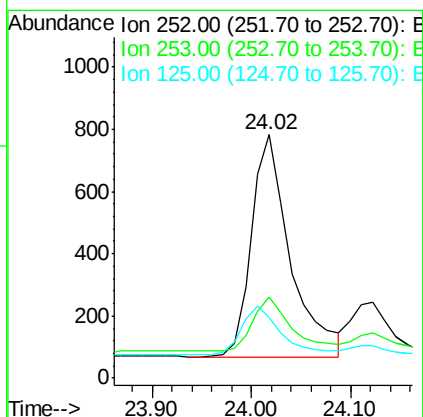
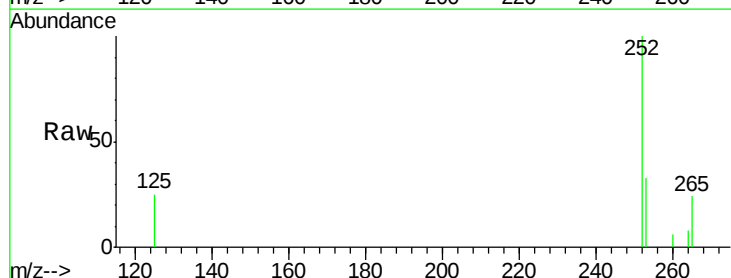
Tgt Ion:252 Resp: 1938

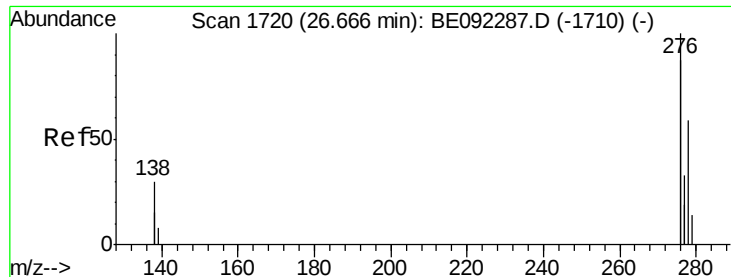
Ion Ratio Lower Upper

252 100

253 33.1 20.3 30.5#

125 24.8 11.8 17.6#





#35

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 26.67 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

Instrument :

BNA_E

ClientSampleId :

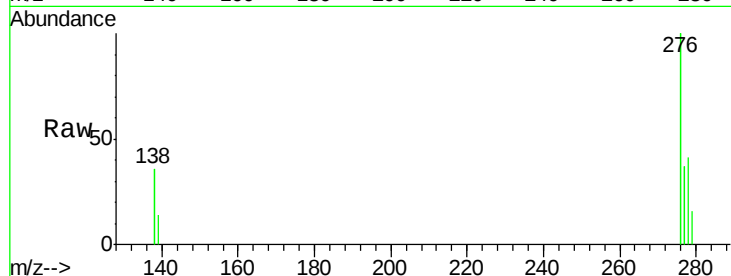
Tot Ion:278 Resp: 1435

Ion Ratio Lower Upper

278 100

139 33.0 16.2 24.2#

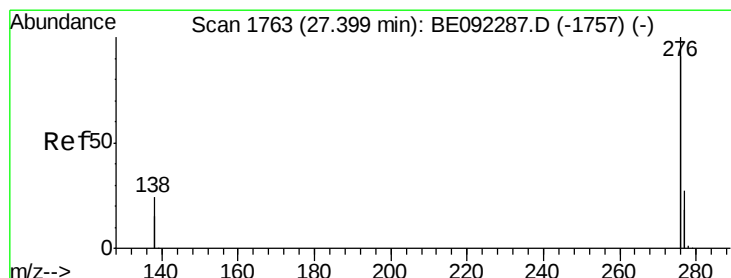
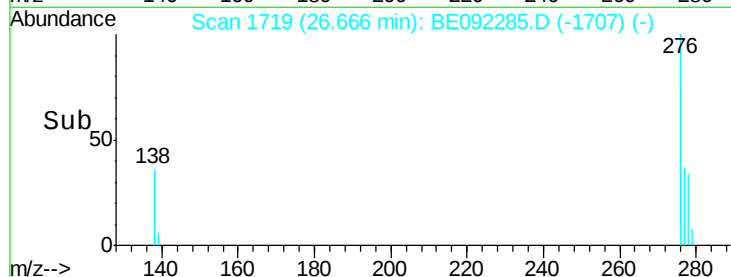
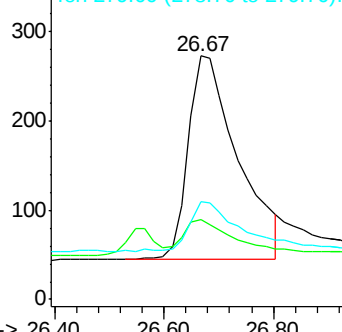
279 39.9 21.4 32.2#



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: 0.09 ng

RT: 27.42 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BE092285.D

Acq: 29 Aug 2016 12:09

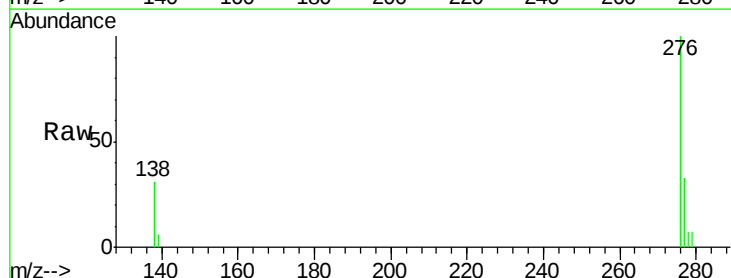
Tgt Ion:276 Resp: 7412

Ion Ratio Lower Upper

276 100

277 32.8 21.4 32.2#

138 31.0 19.4 29.2#



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

