

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092316\
 Data File : BE092423.D
 Acq On : 23 Sep 2016 19:50
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Sep 23 23:03:57 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	7943	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	38982	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	30489	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	62349	5.00	ng	0.02
24) Chrysene-d12	21.75	240	72422	5.00	ng	0.00
31) Perylene-d12	24.13	264	69033	5.00	ng	0.05

System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	475	0.36	ng	0.00
5) Phenol-d6	7.36	99	586	0.30	ng	0.00
8) Nitrobenzene-d5	9.22	82	97	0.18	ng	-0.14
13) 2,4,6-Tribromophenol	16.33	330	244	0.38	ng	0.01
14) 2-Fluorobiphenyl	13.46	172	2770	0.38	ng	0.01
26) Terphenyl-d14	20.19	244	3682	0.41	ng	0.02

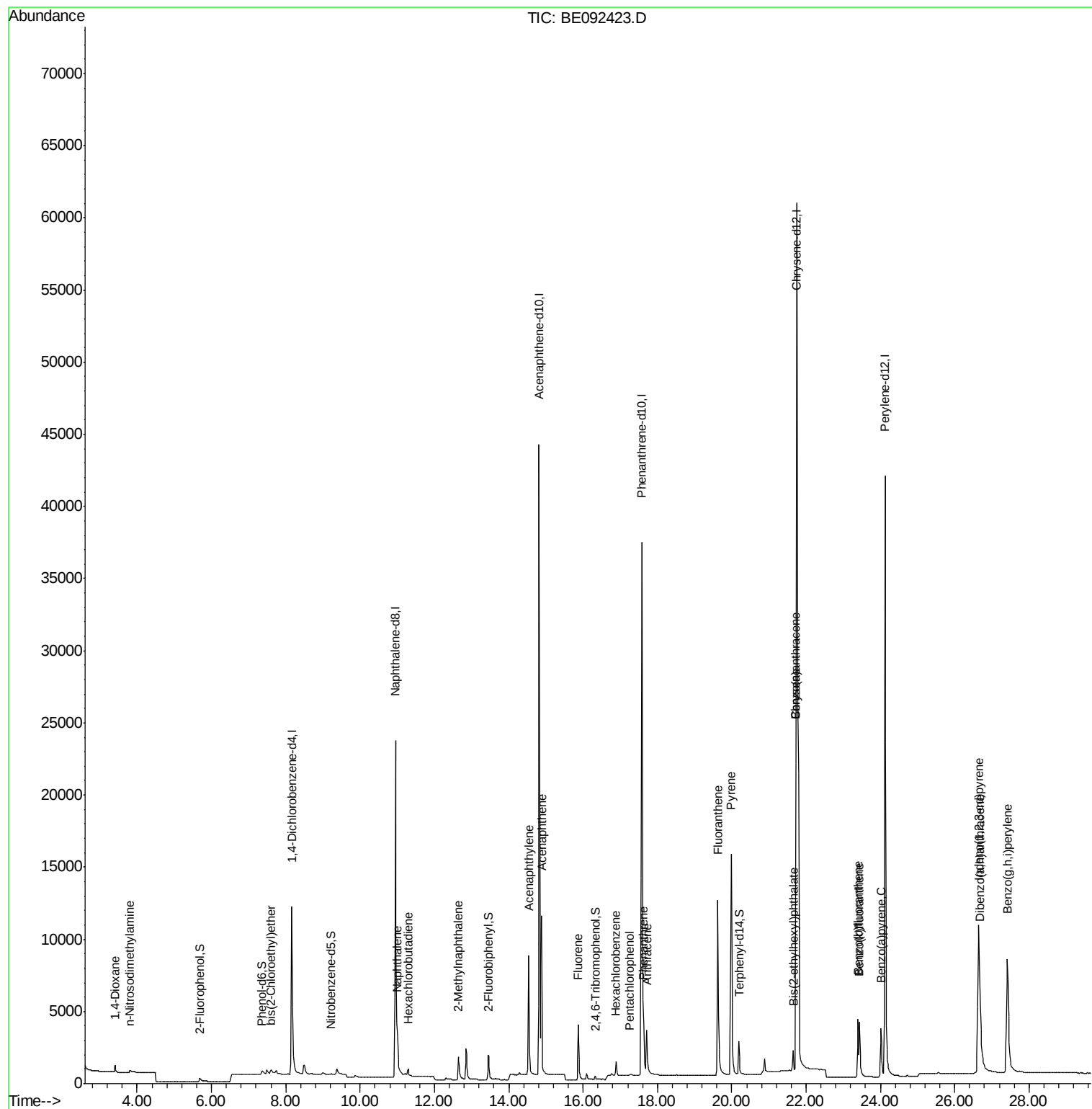
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	399	0.36	ng	97
3) n-Nitrosodimethylamine	3.80	42	283	0.41	ng	# 96
6) bis(2-Chloroethyl)ether	7.61	93	502	0.33	ng	# 95
9) Naphthalene	11.01	128	3248	0.38	ng	98
10) Hexachlorobutadiene	11.30	225	510	0.38	ng	99
11) 2-Methylnaphthalene	12.65	142	2118	0.38	ng	97
15) Acenaphthylene	14.54	152	16223	0.37	ng	100
16) Acenaphthene	14.88	154	2696	0.39	ng	98
17) Fluorene	15.87	166	3236	0.37	ng	99
19) Hexachlorobenzene	16.89	284	1028	0.39	ng	98
20) Pentachlorophenol	17.26	266	145	0.32	ng	# 87
21) Phenanthrene	17.63	178	5482	0.38	ng	# 75
22) Anthracene	17.72	178	4910	0.36	ng	100
23) Fluoranthene	19.63	202	24430	0.36	ng	99
25) Pyrene	19.99	202	25070	0.40	ng	100
27) Benzo(a)anthracene	21.72	228	52385	0.74	ng	92
28) Chrysene	21.72	228	53034	0.82	ng	# 86
29) Bis(2-ethylhexyl)phthalate	21.66	149	1878	0.31	ng	# 70
30) Indeno(1,2,3-cd)pyrene	26.65	276	24594	0.36	ng	98
32) Benzo(b)fluoranthene	23.39	252	5792	0.35	ng	100
33) Benzo(k)fluoranthene	23.44	252	6562	0.38	ng	96
34) Benzo(a)pyrene	24.02	252	5819	0.36	ng	99
35) Dibenzo(a,h)anthracene	26.67	278	5127	0.34	ng	# 96
36) Benzo(g,h,i)perylene	27.42	276	22905	0.36	ng	97

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

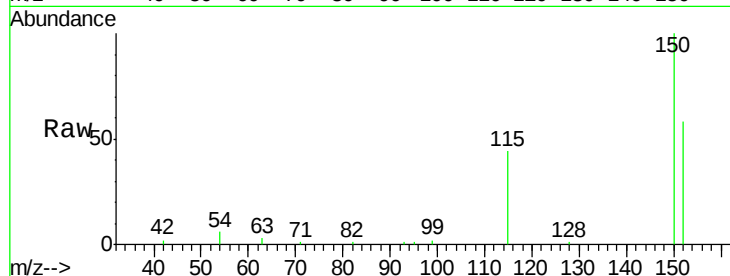
Tgt Ion:152 Resp: 7943

Ion Ratio Lower Upper

152 100

150 172.4 106.0 159.0#

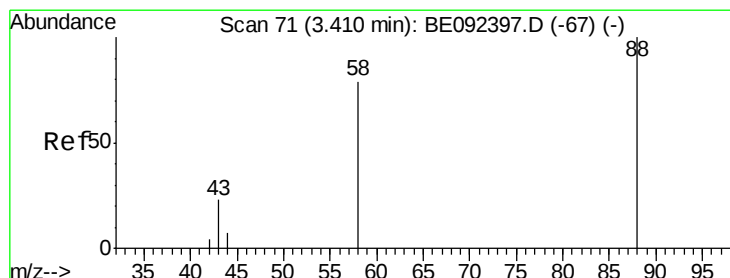
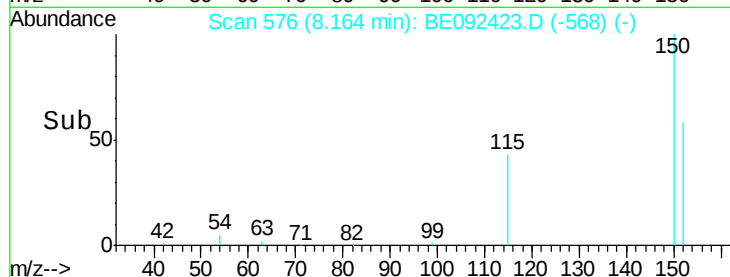
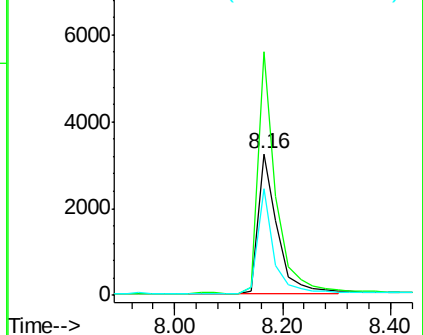
115 75.5 31.2 46.8#



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: 0.36 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

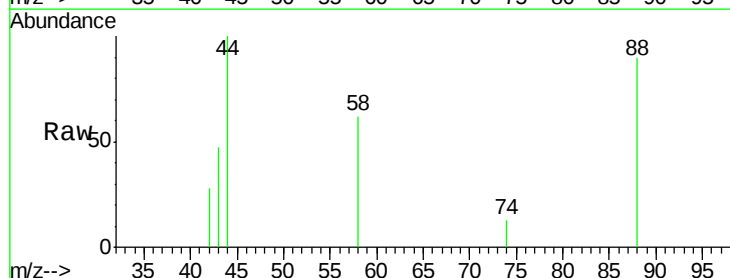
Tgt Ion: 88 Resp: 399

Ion Ratio Lower Upper

88 100

58 82.0 63.6 95.4

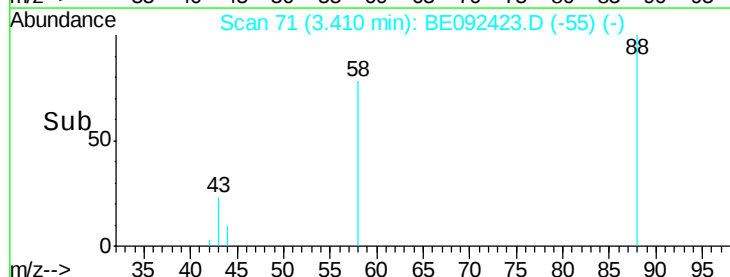
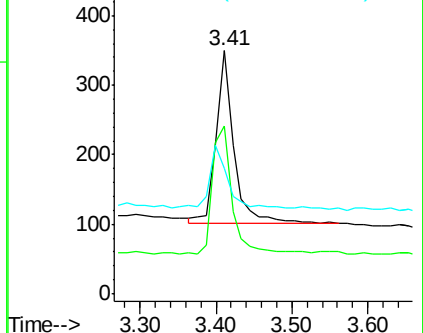
43 36.6 28.0 42.0

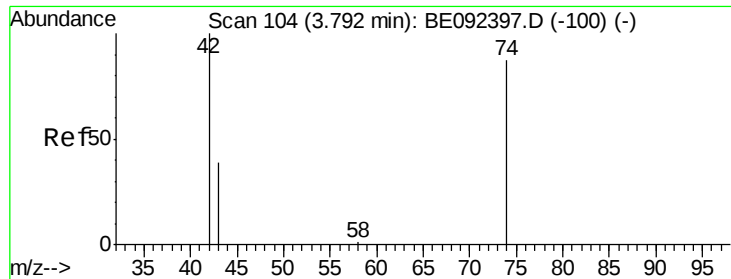


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



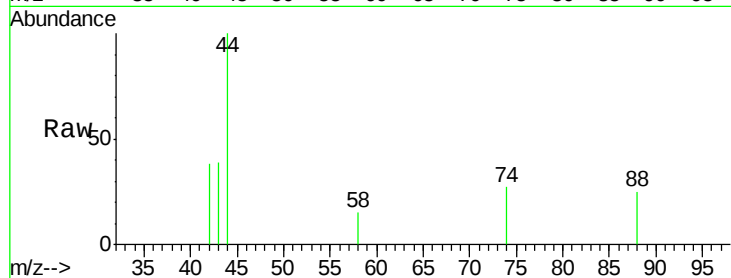


#3

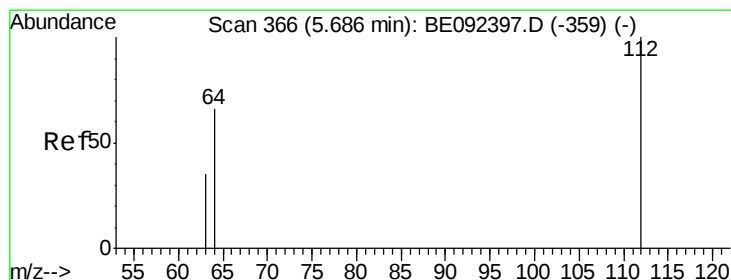
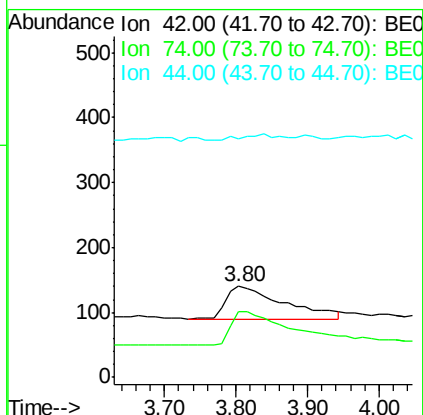
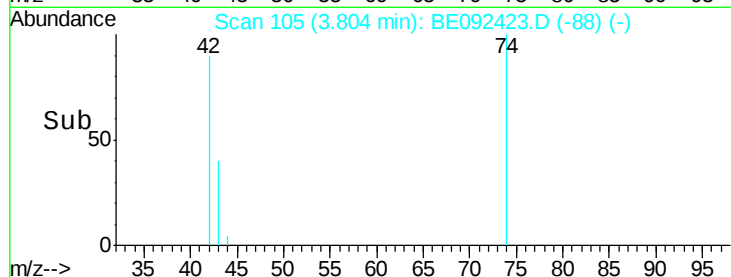
n-Nitrosodimethylamine
 Concen: 0.41 ng
 RT: 3.80 min Scan# 105
 Delta R.T. 0.00 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

Instrument :
 BNA_E
 ClientSampleId :
 SSTDC00.4EC

Tgt Ion: 42 Resp: 283
 Ion Ratio Lower Upper
 42 100
 74 103.9 86.0 129.0
 44 0.0 5.1 7.7#



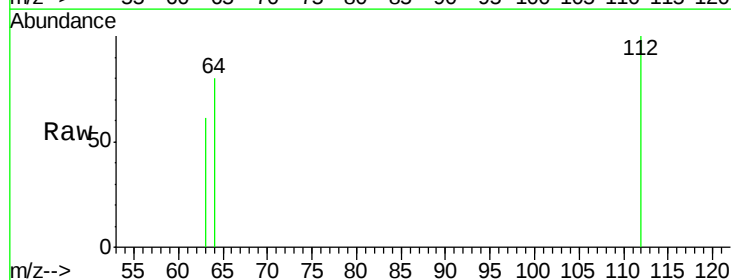
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



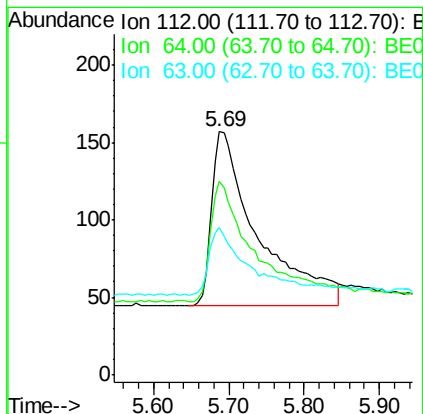
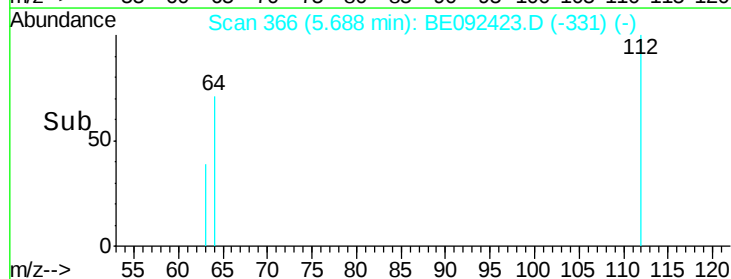
#4

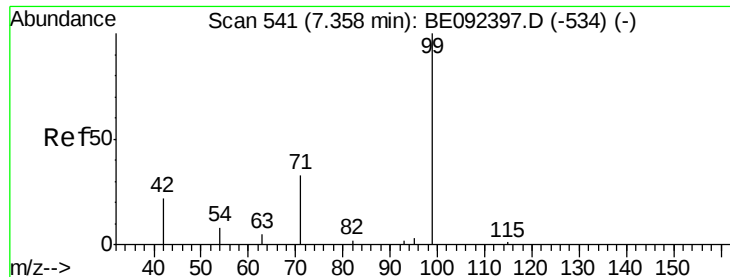
2-Fluorophenol
 Concen: 0.36 ng
 RT: 5.69 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

Tgt Ion: 112 Resp: 475
 Ion Ratio Lower Upper
 112 100
 64 68.4 53.5 80.3
 63 34.7 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: 0.30 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

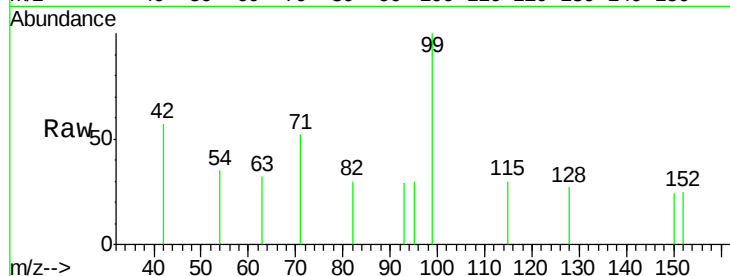
Tgt Ion: 99 Resp: 586

Ion Ratio Lower Upper

99 100

42 27.0 16.0 24.0#

71 36.0 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

7.36

200

150

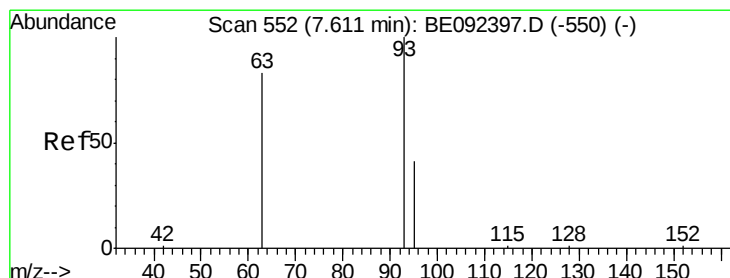
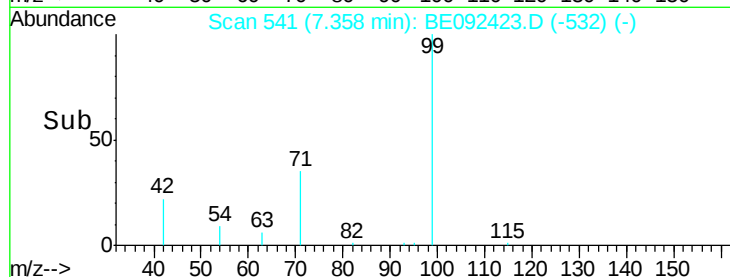
100

50

0

7.30 7.40 7.50

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.33 ng

RT: 7.61 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

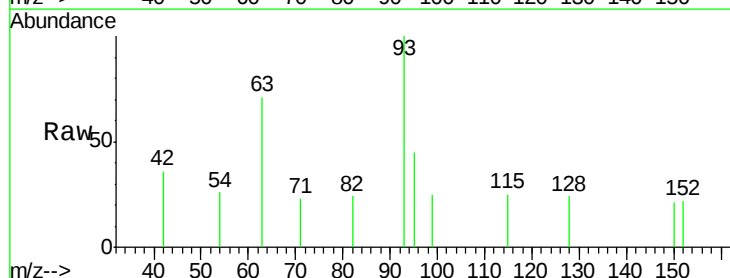
Tgt Ion: 93 Resp: 502

Ion Ratio Lower Upper

93 100

63 86.7 71.6 107.4

95 36.3 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

7.61

400

300

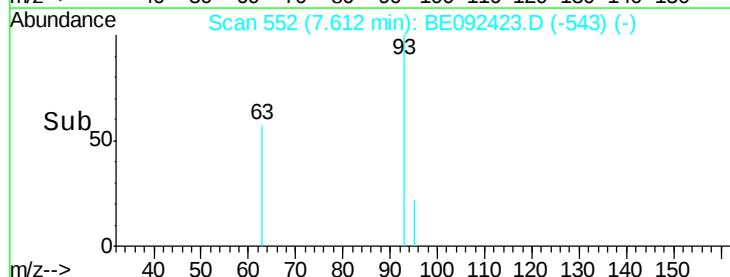
200

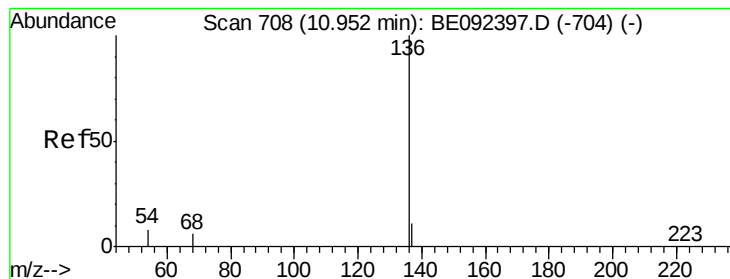
100

0

7.50 7.60 7.70

Time-->





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:136 Resp: 38982

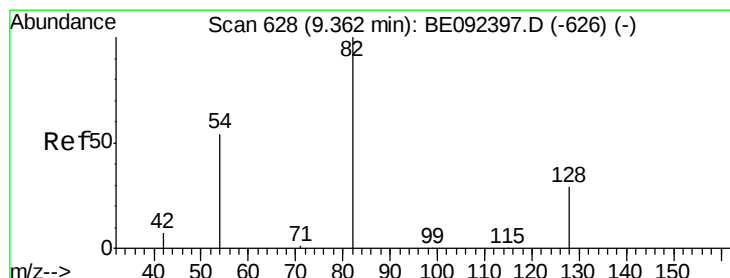
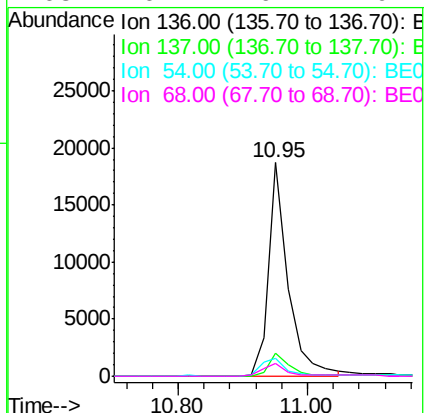
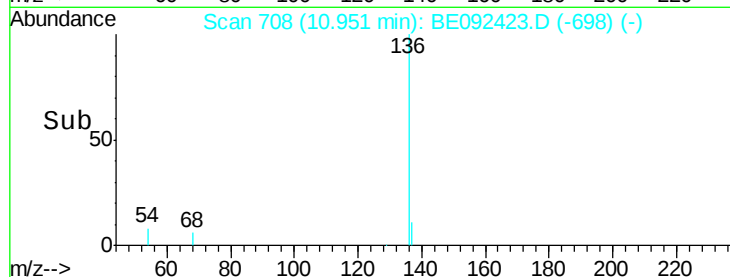
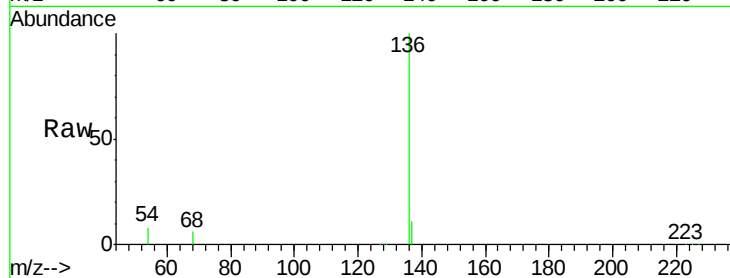
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 8.5 9.6 14.4#

68 6.1 6.7 10.1#



#8

Nitrobenzene-d5

Concen: 0.18 ng

RT: 9.22 min Scan# 622

Delta R.T. -0.14 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

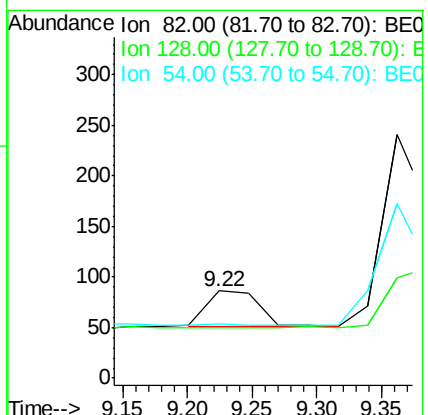
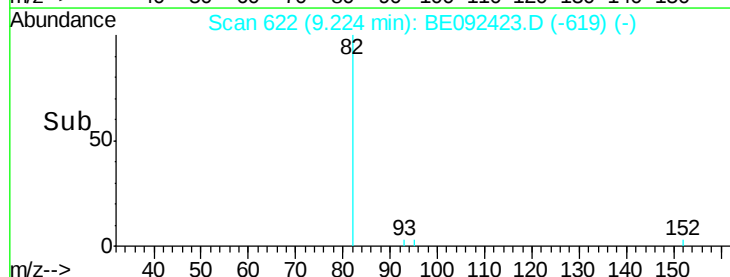
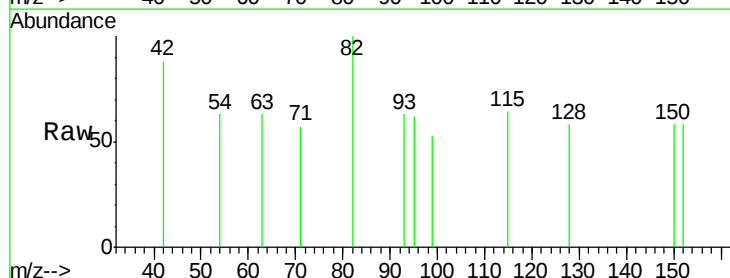
Tgt Ion: 82 Resp: 97

Ion Ratio Lower Upper

82 100

128 58.1 39.0 58.4

54 62.8 44.8 67.2





#9

Naphthalene

Concen: 0.38 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

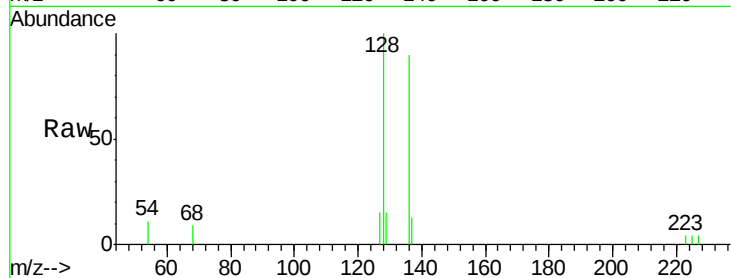
Tgt Ion:128 Resp: 3248

Ion Ratio Lower Upper

128 100

129 14.8 11.2 16.8

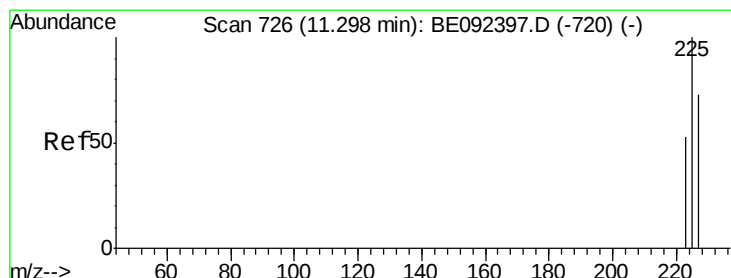
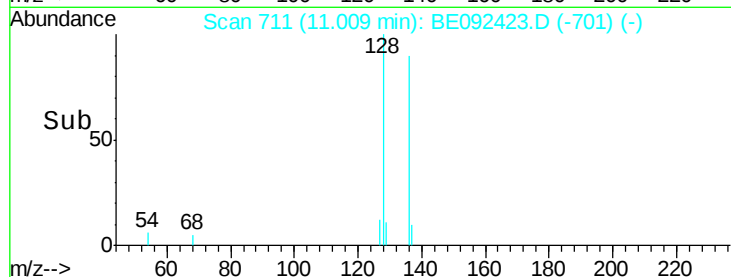
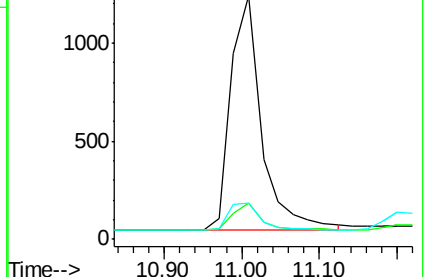
127 15.1 11.6 17.4



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



#10

Hexachlorobutadiene

Concen: 0.38 ng

RT: 11.30 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

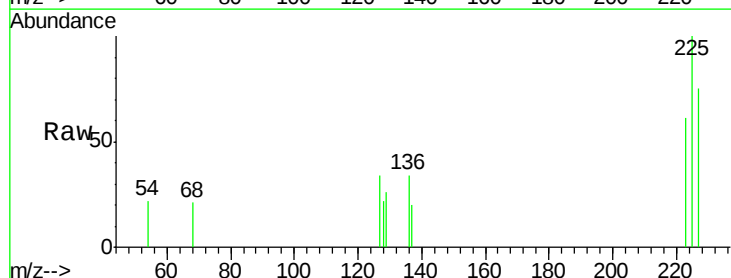
Tgt Ion:225 Resp: 510

Ion Ratio Lower Upper

225 100

223 61.8 50.6 76.0

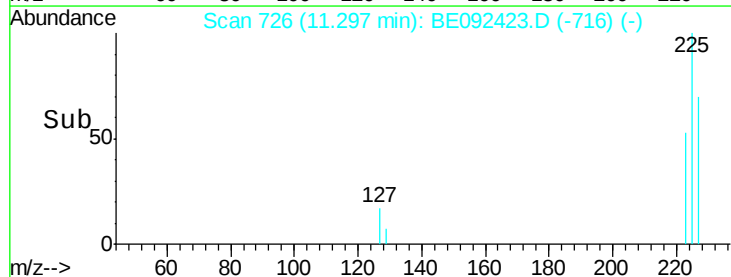
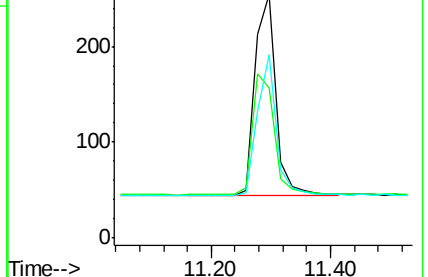
227 63.9 51.4 77.0



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

2-Methylnaphthalene

Concen: 0.38 ng

RT: 12.65 min Scan# 816

Delta R.T. -0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

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SSTDCCC0.4EC

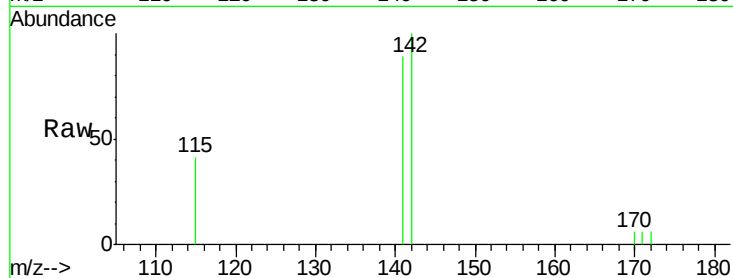
Tgt Ion:142 Resp: 2118

Ion Ratio Lower Upper

142 100

141 88.6 73.7 110.5

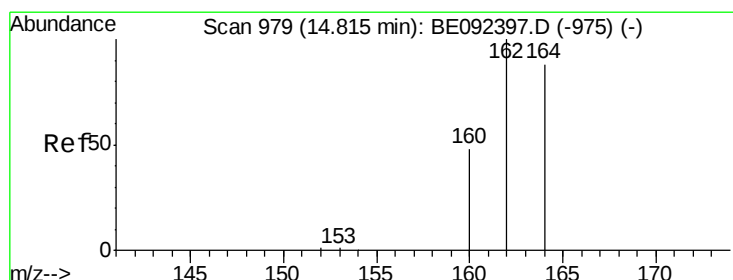
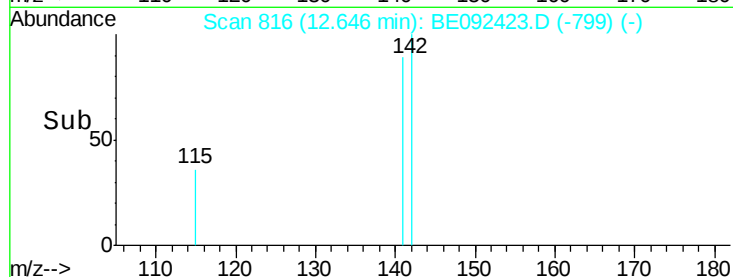
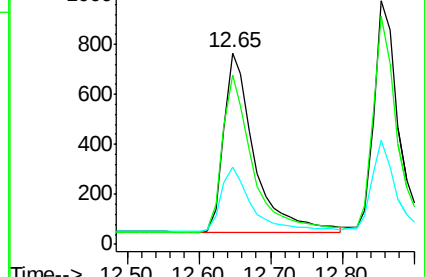
115 40.5 34.0 51.0



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: BE092423.D

Acq: 23 Sep 2016 19:50

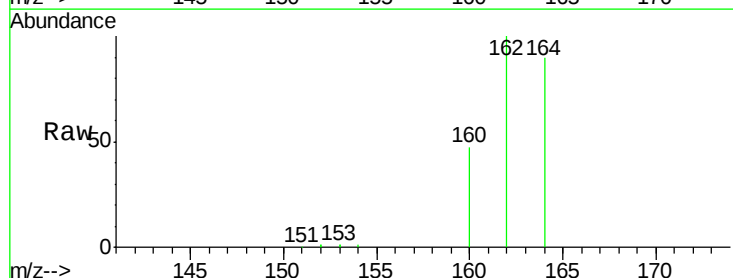
Tgt Ion:164 Resp: 30489

Ion Ratio Lower Upper

164 100

162 110.8 71.4 107.0#

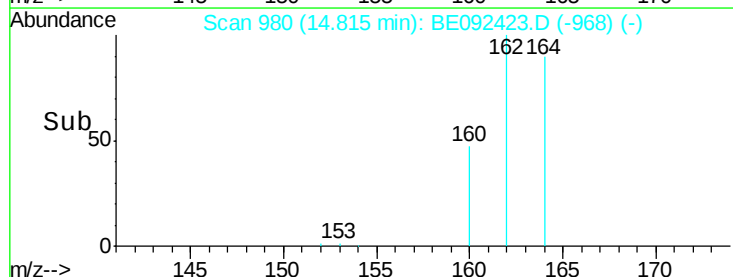
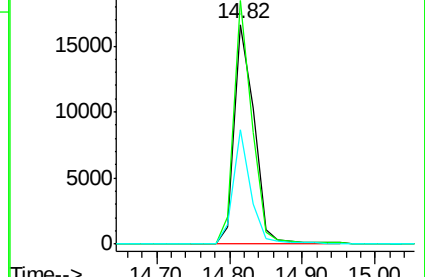
160 52.2 27.4 41.2#

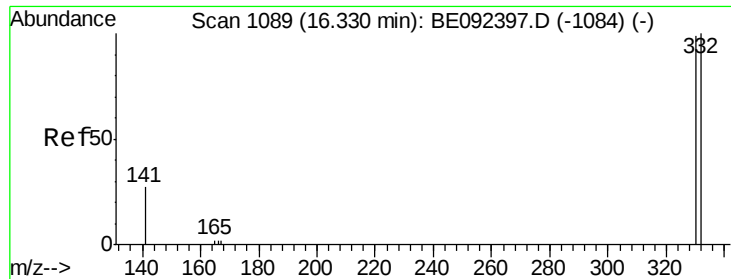


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

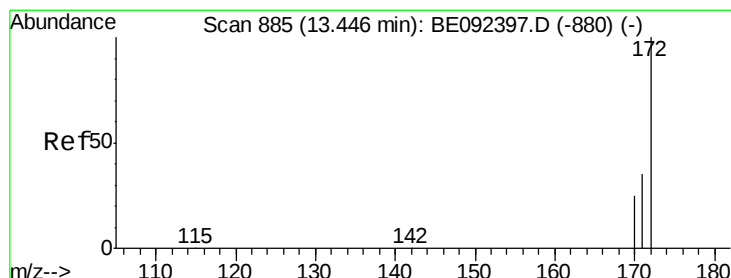
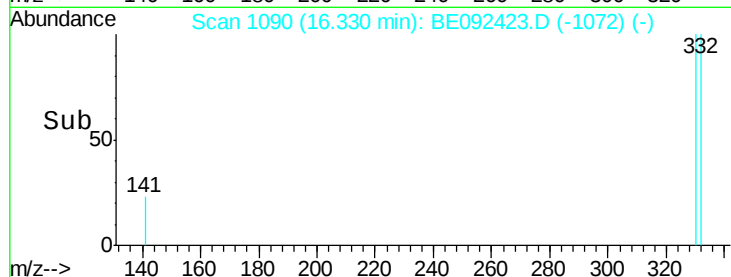
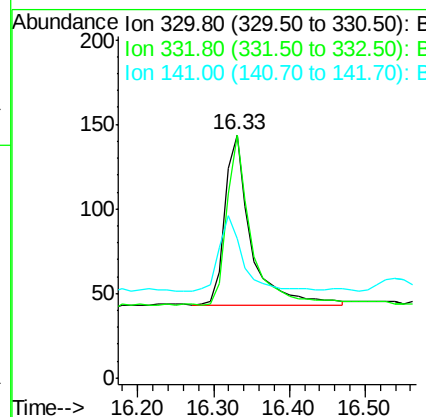
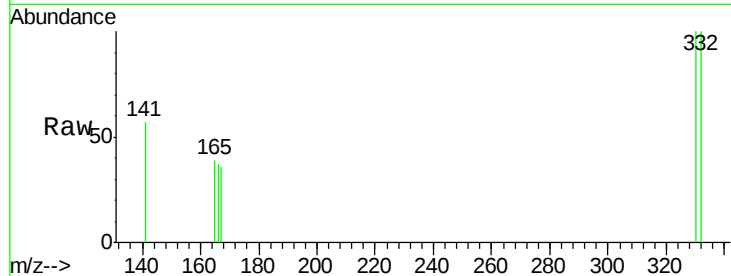




#13
 2,4,6-Tribromophenol
 Concen: 0.38 ng
 RT: 16.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

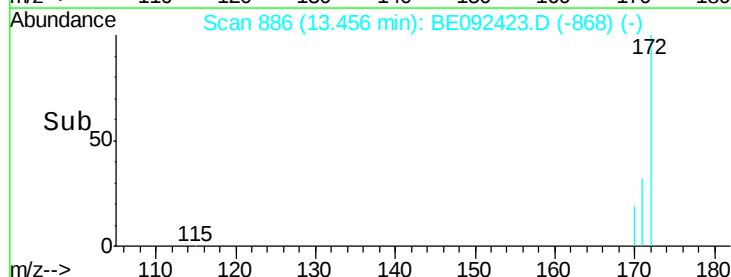
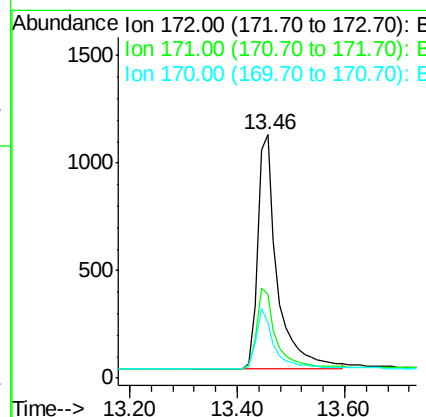
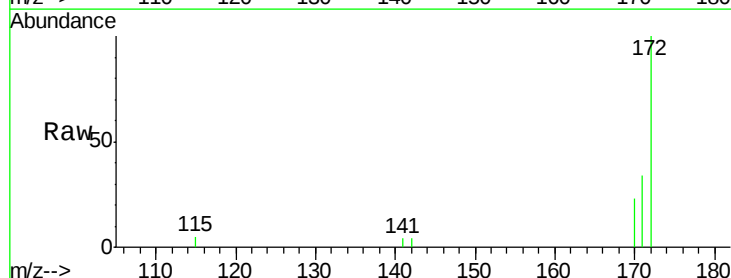
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion:330 Resp: 244
 Ion Ratio Lower Upper
 330 100
 332 95.1 75.4 113.0
 141 41.4 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 0.38 ng
 RT: 13.46 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

Tgt Ion:172 Resp: 2770
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.1 45.1
 170 22.7 21.8 32.6





#15

Acenaphthylene

Concen: 0.37 ng

RT: 14.54 min Scan# 964

Delta R.T. 0.02 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

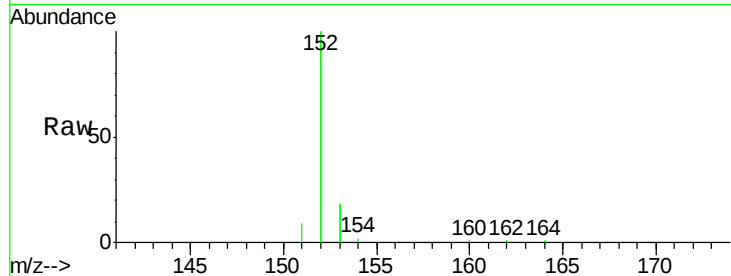
Tgt Ion:152 Resp: 16223

Ion Ratio Lower Upper

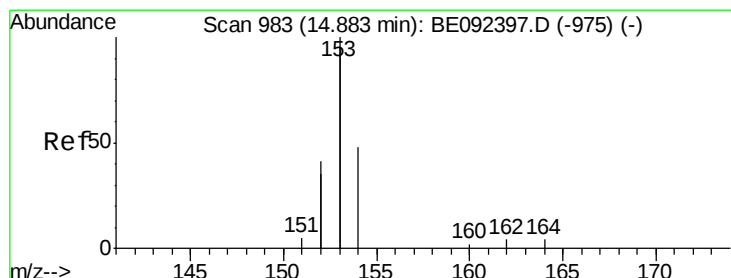
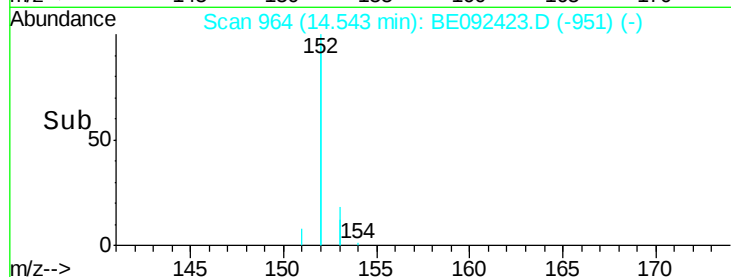
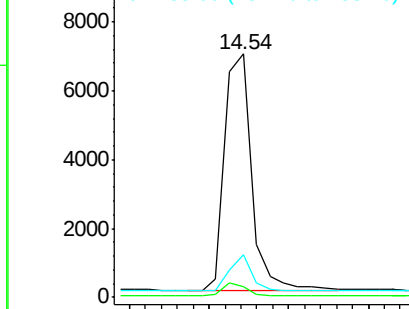
152 100

151 4.9 3.9 5.9

153 12.9 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: 0.39 ng

RT: 14.88 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

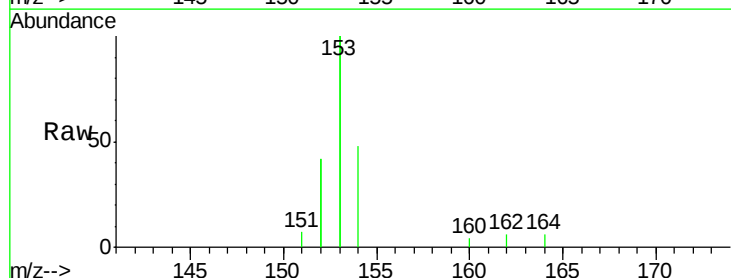
Tgt Ion:154 Resp: 2696

Ion Ratio Lower Upper

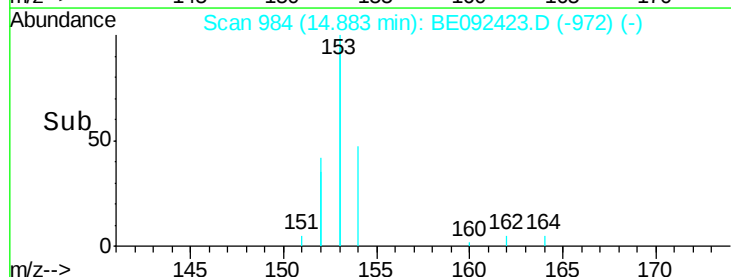
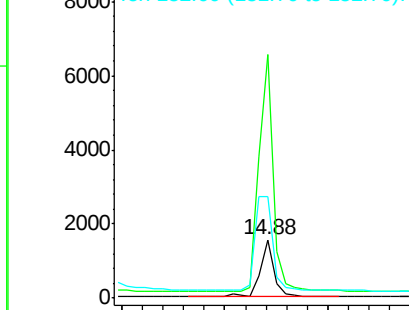
154 100

153 440.9 350.8 526.2

152 219.0 171.1 256.7



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: 0.37 ng

RT: 15.87 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

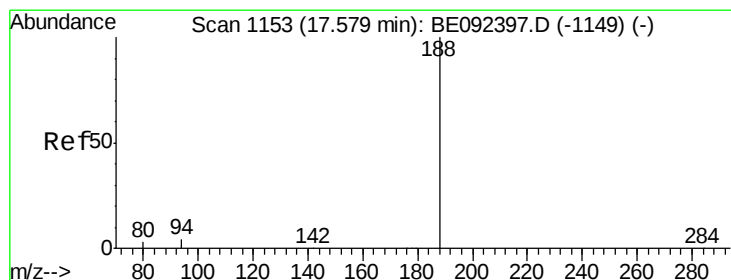
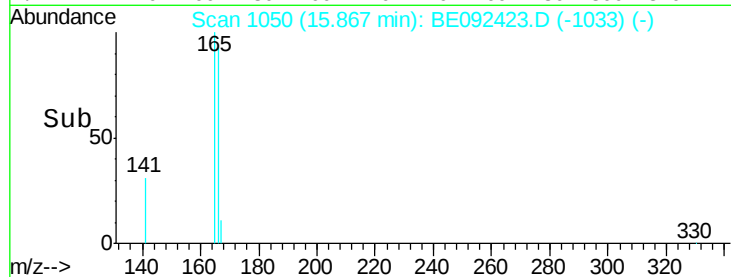
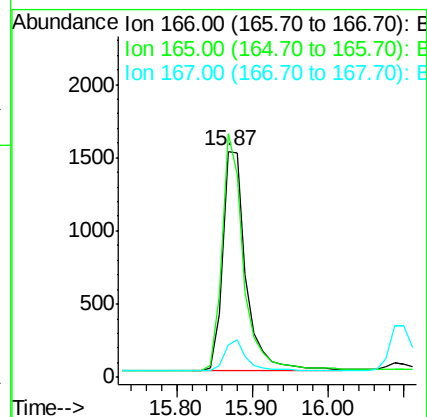
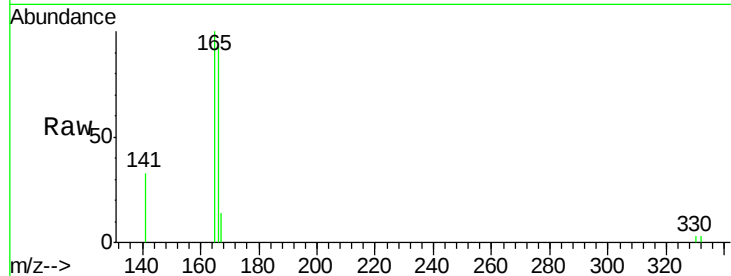
Tgt Ion:166 Resp: 3236

Ion Ratio Lower Upper

166 100

165 98.6 78.2 117.4

167 13.2 11.0 16.4



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

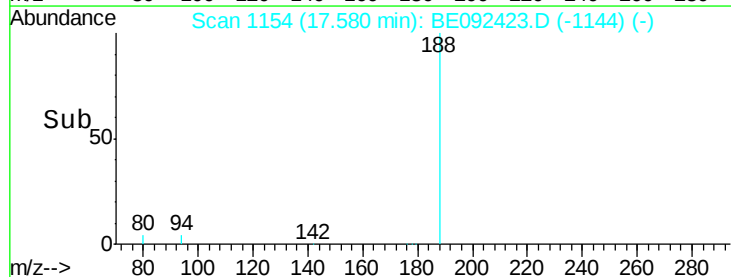
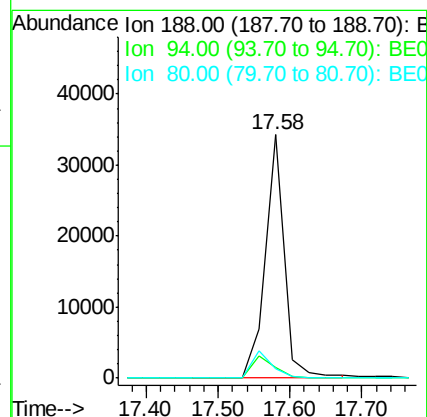
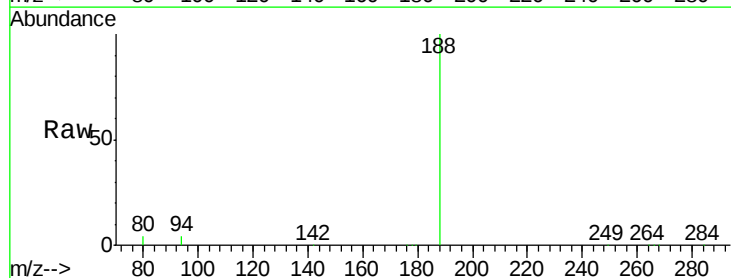
Tgt Ion:188 Resp: 62349

Ion Ratio Lower Upper

188 100

94 4.2 3.2 4.8

80 3.7 2.6 3.8

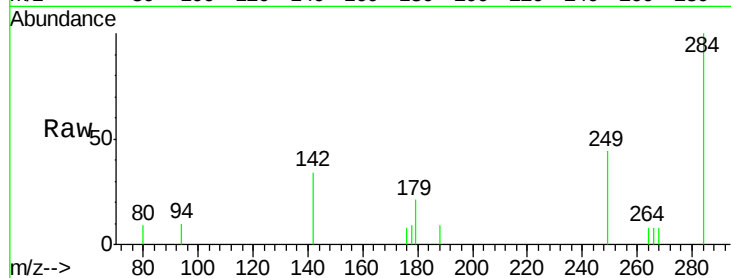




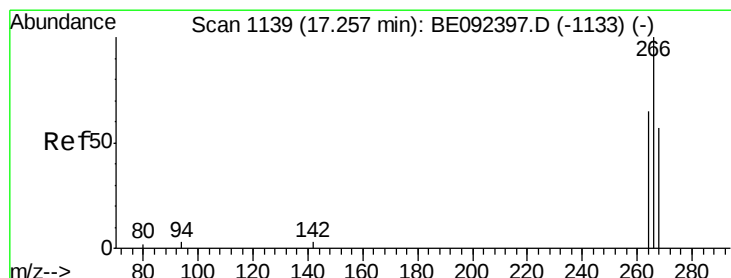
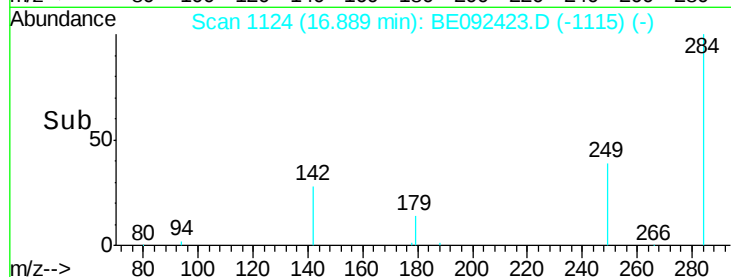
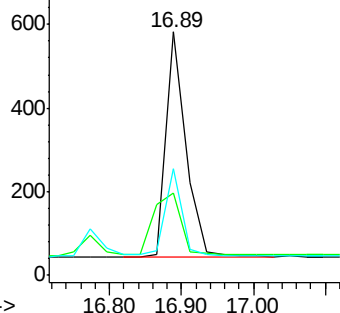
#19
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092423.D
Acq: 23 Sep 2016 19:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 284 Resp: 1028
Ion Ratio Lower Upper
284 100
142 37.0 29.1 43.7
249 33.0 27.9 41.9

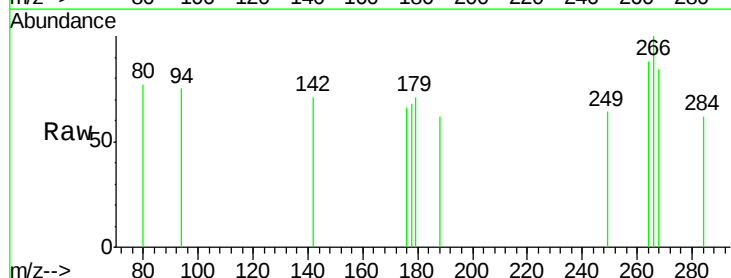


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

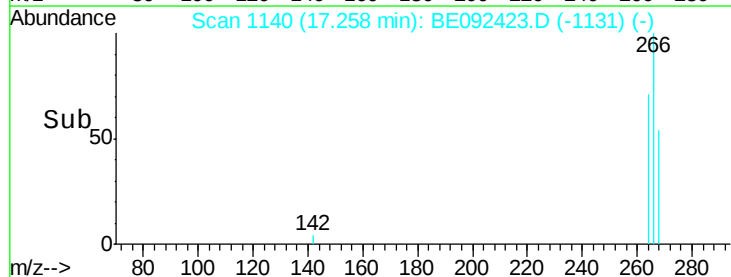
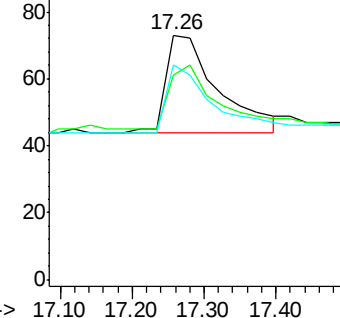


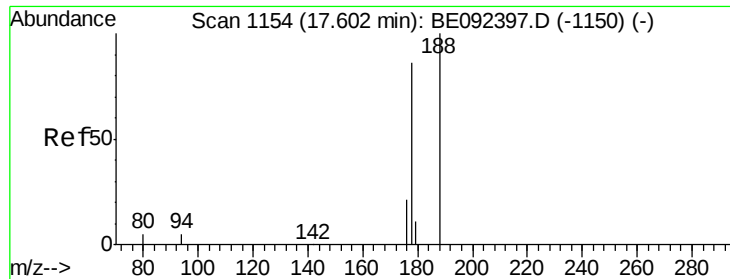
#20
Pentachlorophenol
Concen: 0.32 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092423.D
Acq: 23 Sep 2016 19:50

Tgt Ion: 266 Resp: 145
Ion Ratio Lower Upper
266 100
268 83.6 62.5 93.7
264 87.7 57.2 85.8#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 0.38 ng

RT: 17.63 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

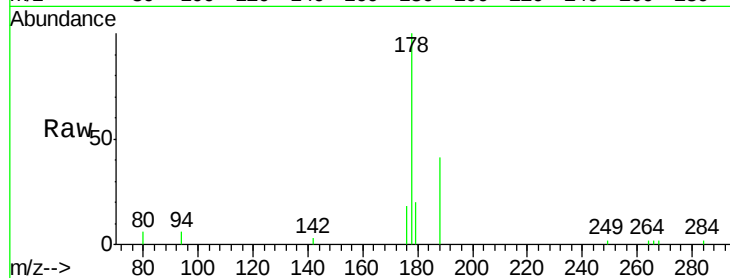
Tgt Ion:178 Resp: 5482

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

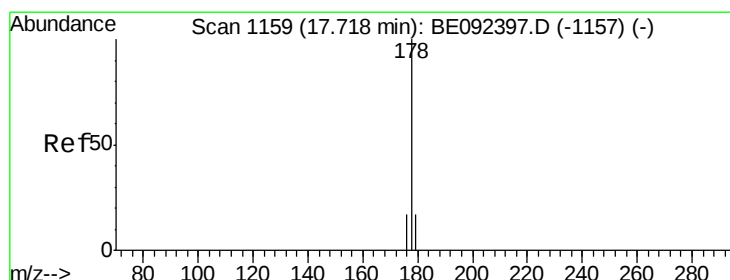
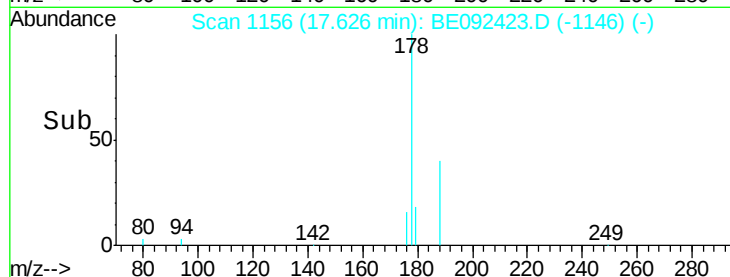
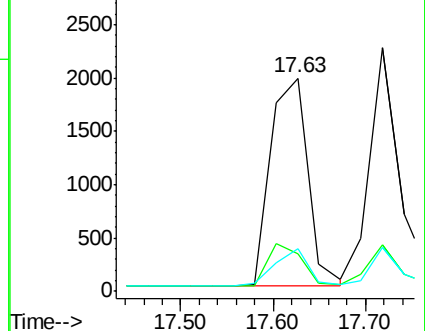
179 16.4 16.0 24.0



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: 0.36 ng

RT: 17.72 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

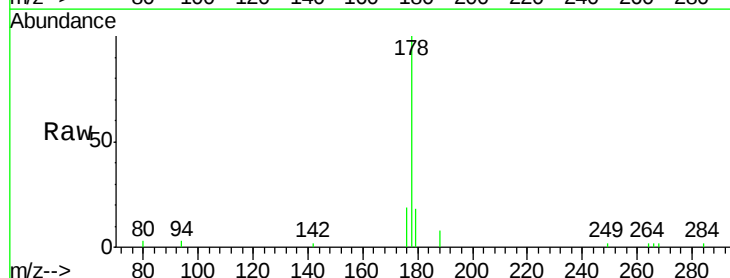
Tgt Ion:178 Resp: 4910

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

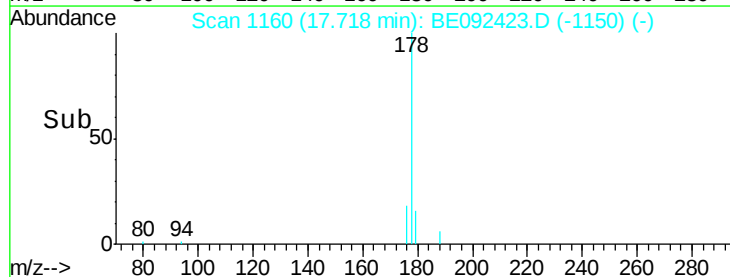
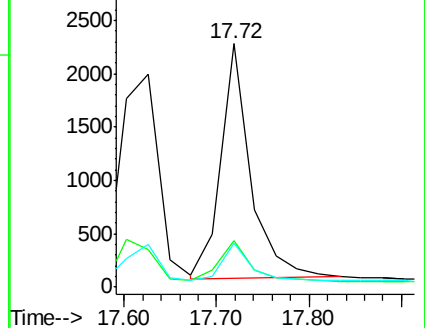
179 15.5 12.2 18.2

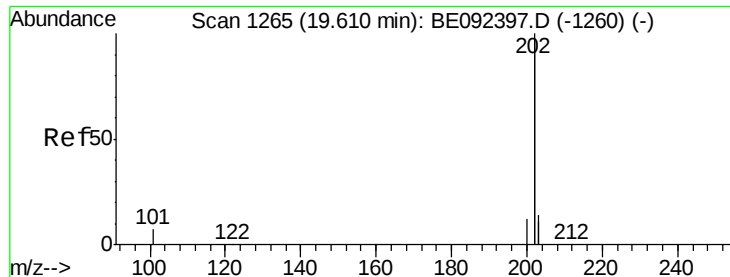


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.36 ng

RT: 19.63 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

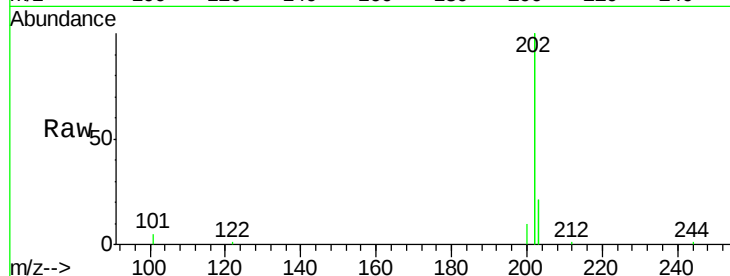
Tgt Ion:202 Resp: 24430

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

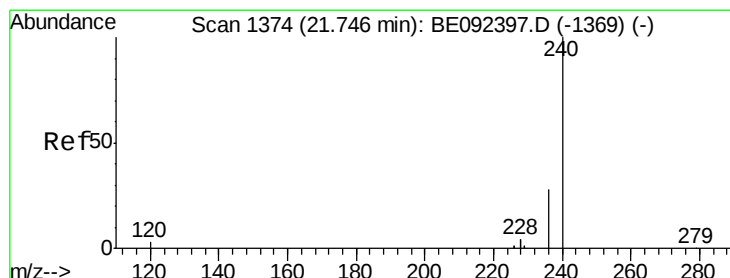
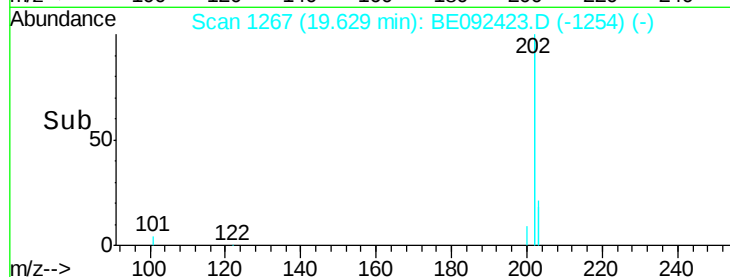
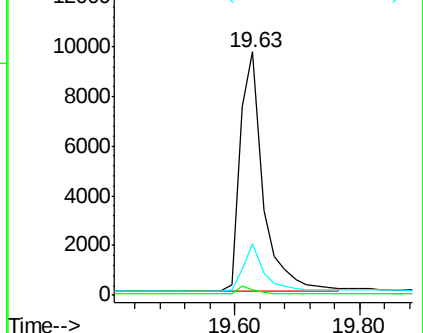
203 17.5 13.7 20.5



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: BE092423.D

Acq: 23 Sep 2016 19:50

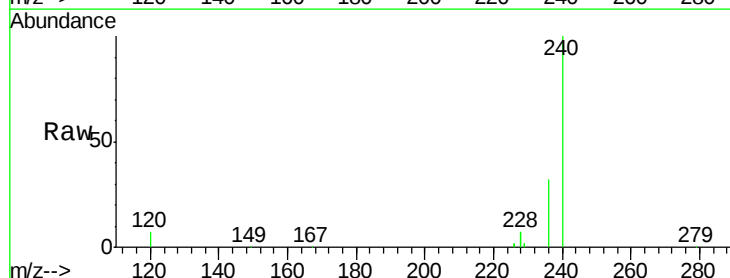
Tgt Ion:240 Resp: 72422

Ion Ratio Lower Upper

240 100

120 6.9 2.6 4.0#

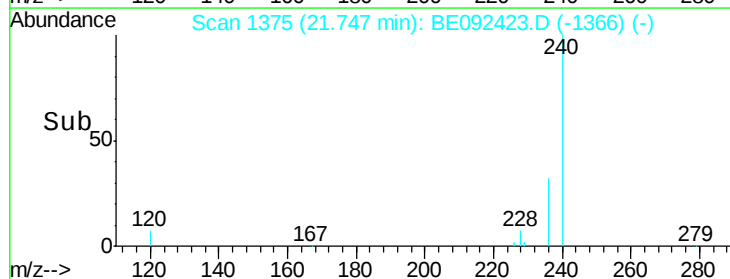
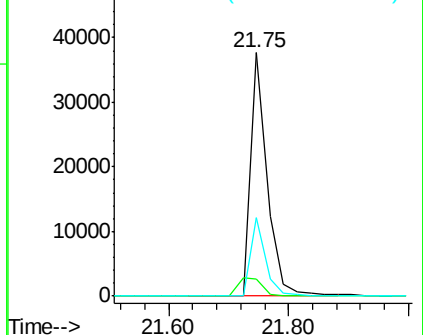
236 32.1 24.6 37.0



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

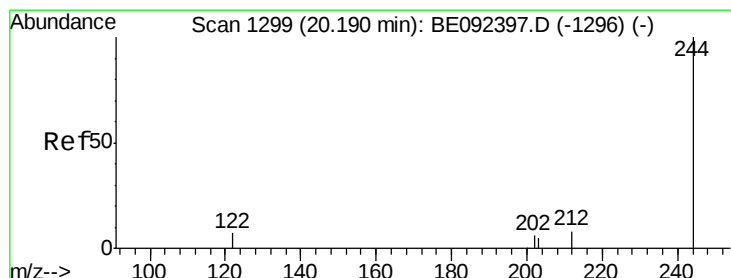
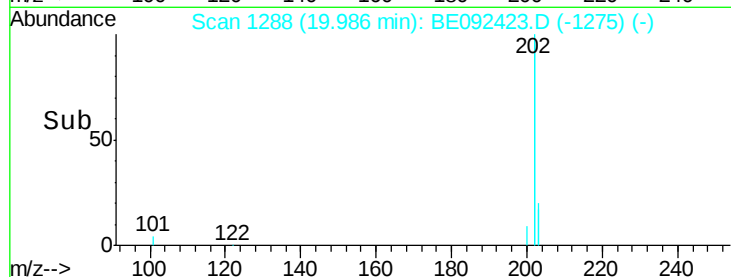
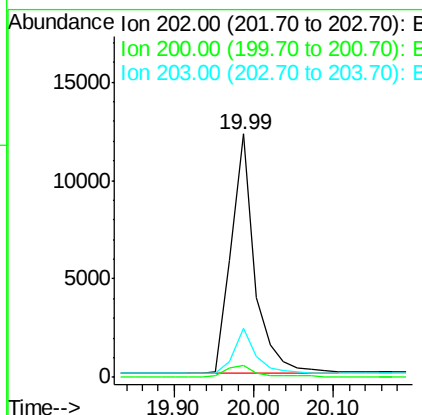
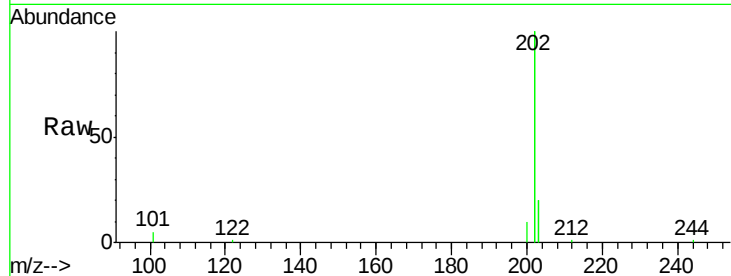




#25
 Pyrene
 Concen: 0.40 ng
 RT: 19.99 min Scan# 1288
 Delta R.T. 0.02 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

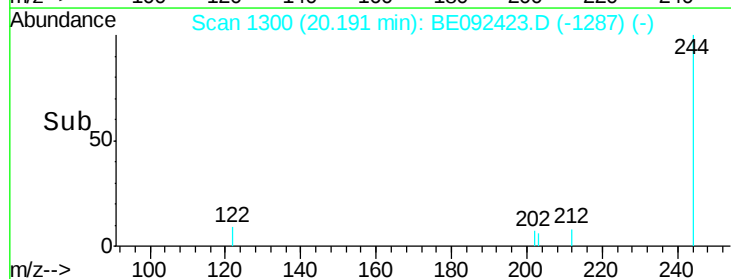
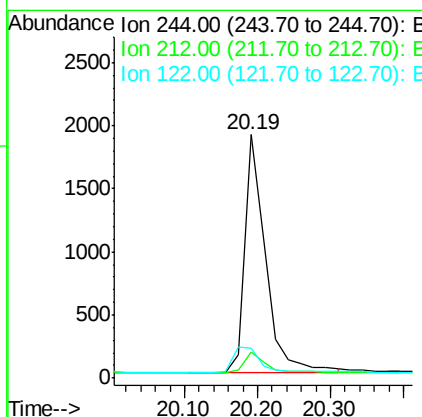
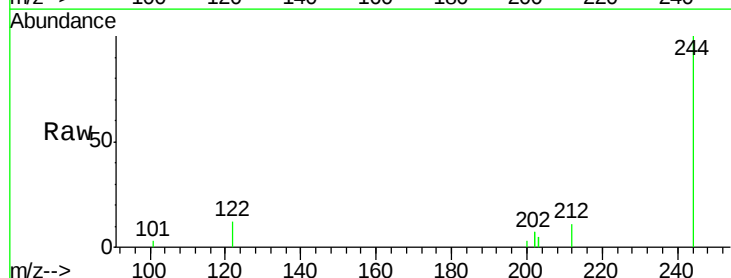
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion: 202 Resp: 25070
 Ion Ratio Lower Upper
 202 100
 200 5.2 4.2 6.4
 203 17.6 13.9 20.9



#26
 Terphenyl-d14
 Concen: 0.41 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

Tgt Ion: 244 Resp: 3682
 Ion Ratio Lower Upper
 244 100
 212 10.7 6.7 10.1#
 122 12.2 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 0.74 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

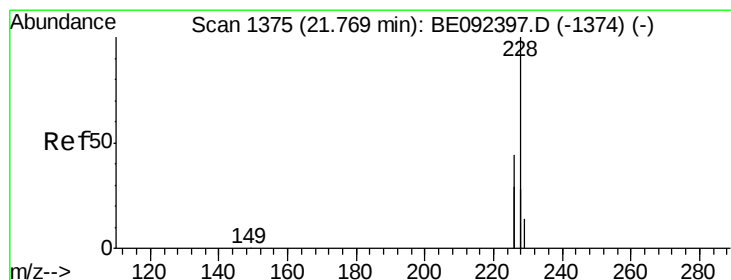
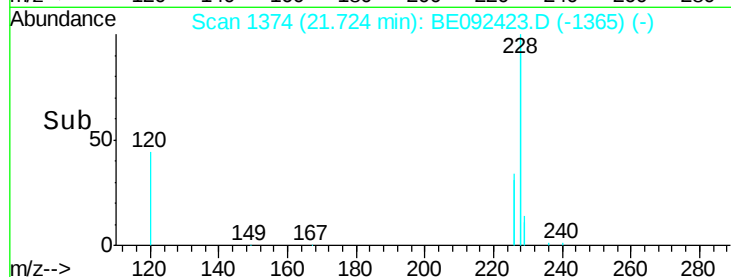
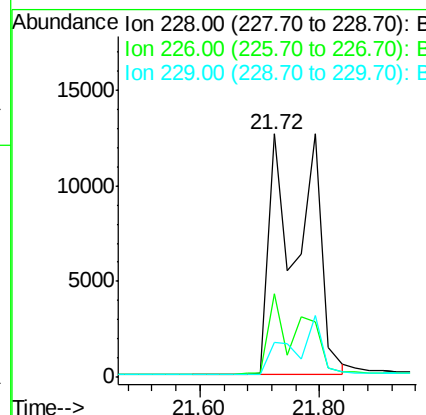
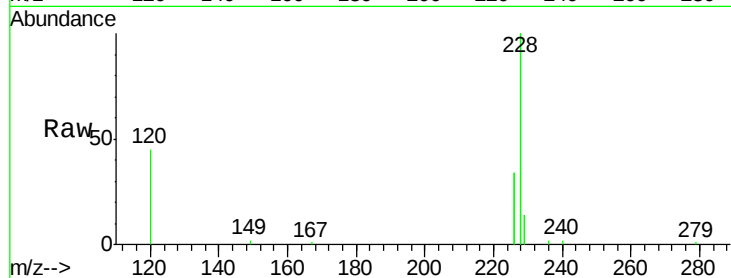
Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 52385

Ion	Ratio	Lower	Upper
228	100		
226	34.4	23.6	35.4
229	14.3	13.3	19.9



#28

Chrysene

Concen: 0.82 ng

RT: 21.72 min Scan# 1374

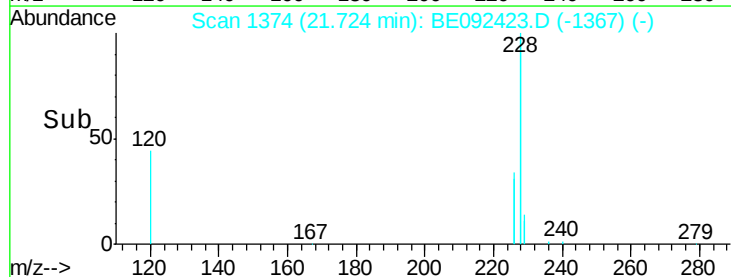
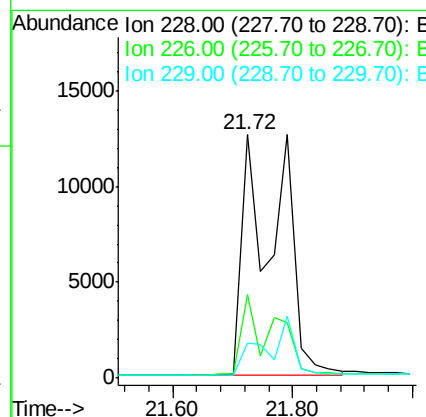
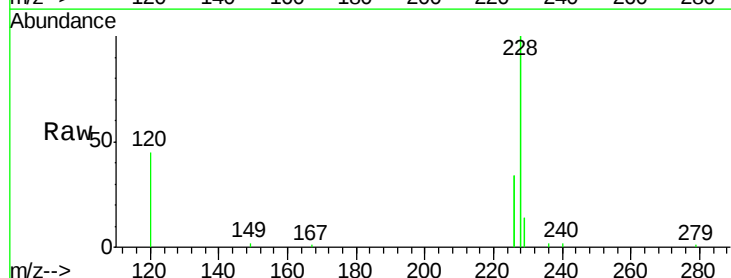
Delta R.T. -0.04 min

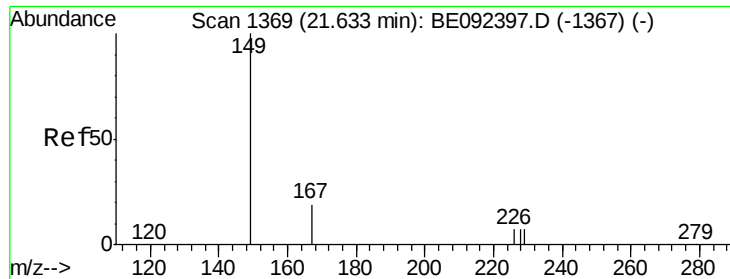
Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Tgt Ion:228 Resp: 53034

Ion	Ratio	Lower	Upper
228	100		
226	34.4	36.3	54.5#
229	14.3	10.6	16.0





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.31 ng

RT: 21.66 min Scan# 1371

Delta R.T. 0.02 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

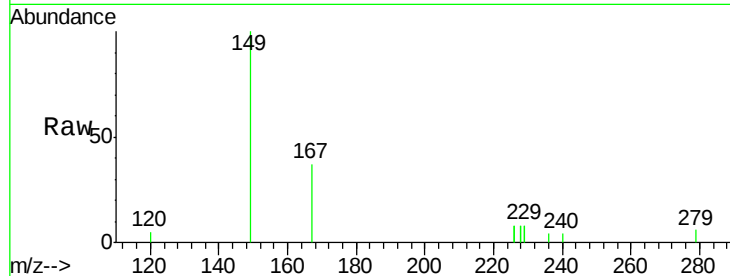
Tgt Ion:149 Resp: 1878

Ion Ratio Lower Upper

149 100

167 30.9 16.0 24.0#

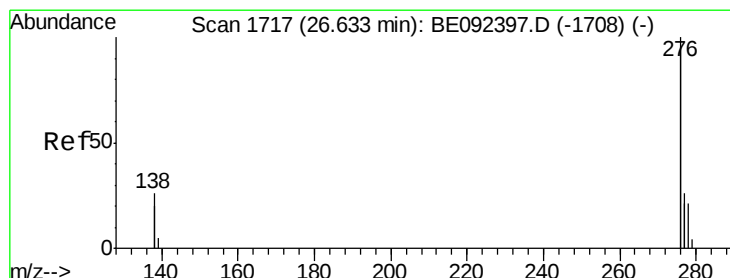
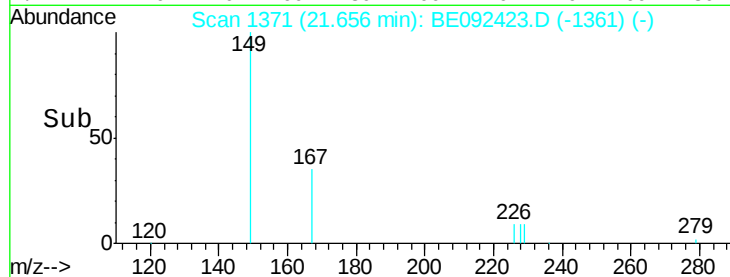
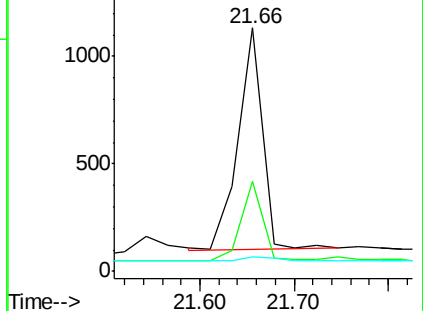
279 3.2 16.0 24.0#



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: 0.36 ng

RT: 26.65 min Scan# 1719

Delta R.T. 0.07 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

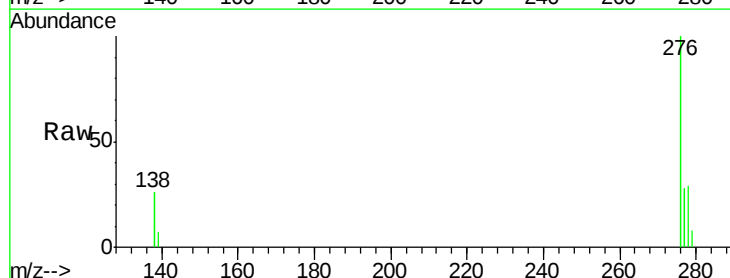
Tgt Ion:276 Resp: 24594

Ion Ratio Lower Upper

276 100

138 27.2 20.3 30.5

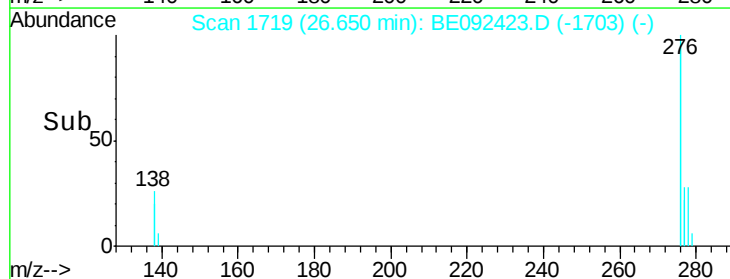
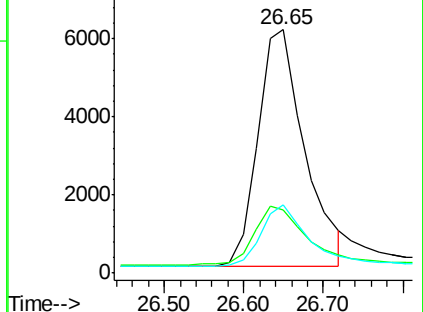
277 24.6 19.7 29.5



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

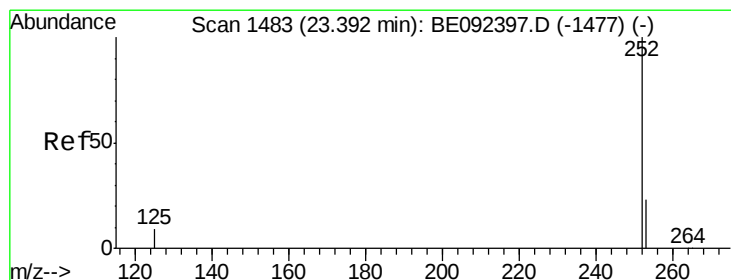
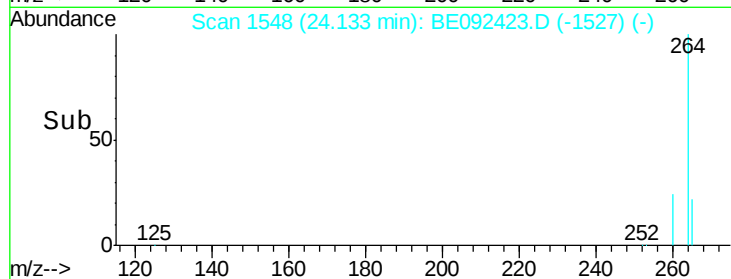
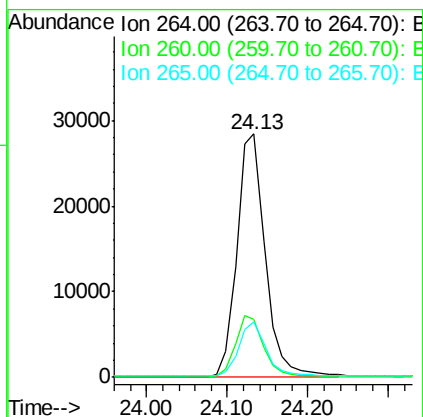
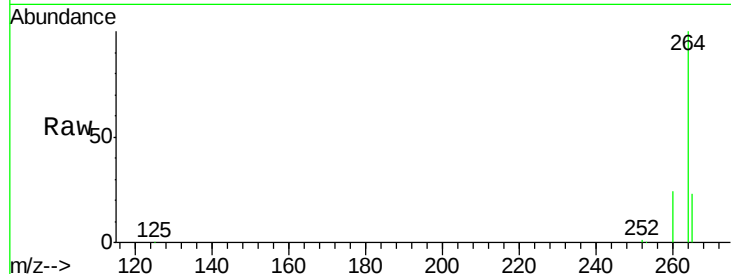




#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.13 min Scan# 1548
 Delta R.T. 0.05 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

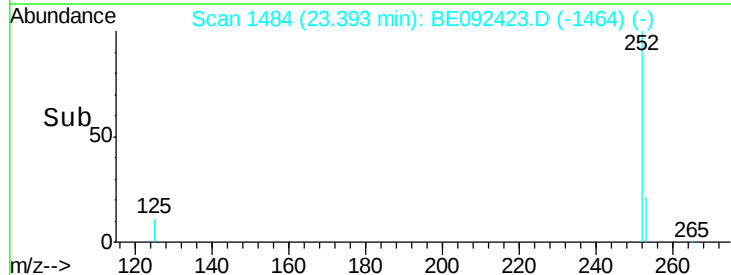
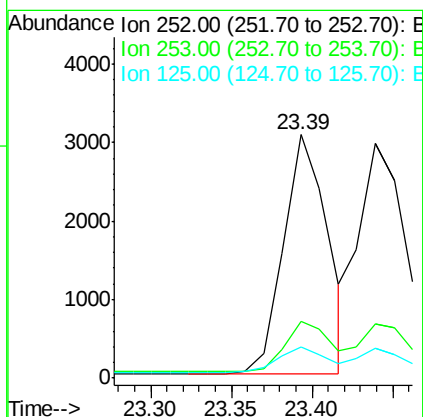
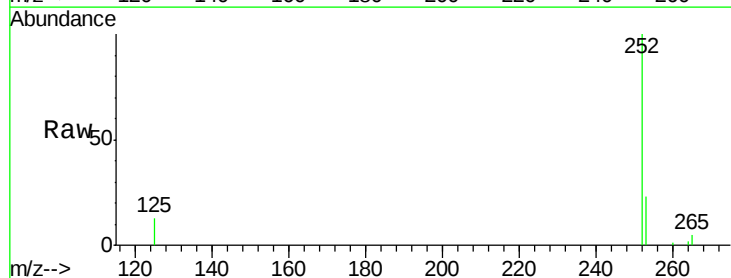
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

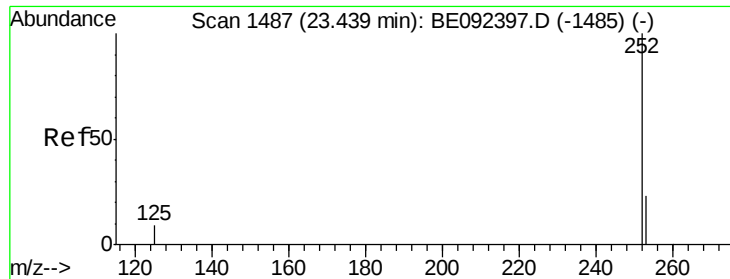
Tgt Ion: 264 Resp: 69033
 Ion Ratio Lower Upper
 264 100
 260 23.8 20.1 30.1
 265 22.7 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 0.35 ng
 RT: 23.39 min Scan# 1484
 Delta R.T. 0.03 min
 Lab File: BE092423.D
 Acq: 23 Sep 2016 19:50

Tgt Ion: 252 Resp: 5792
 Ion Ratio Lower Upper
 252 100
 253 23.5 18.7 28.1
 125 12.7 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 0.38 ng

RT: 23.44 min Scan# 1488

Delta R.T. 0.03 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

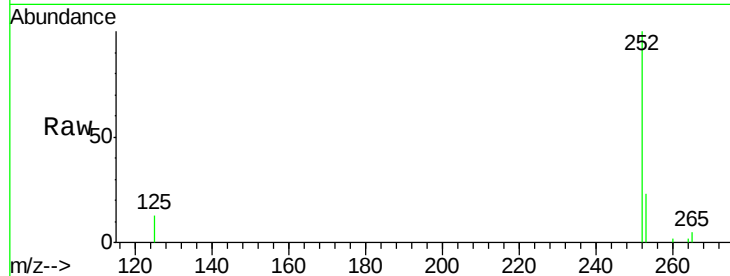
Tgt Ion:252 Resp: 6562

Ion Ratio Lower Upper

252 100

253 22.9 20.3 30.5

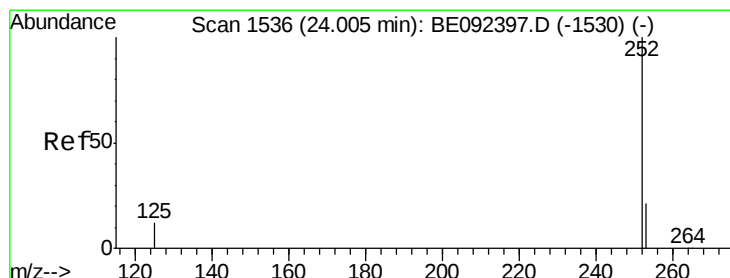
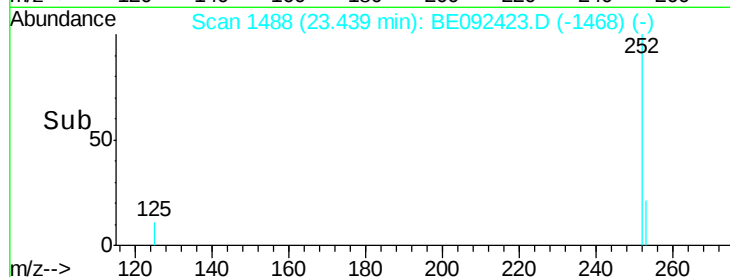
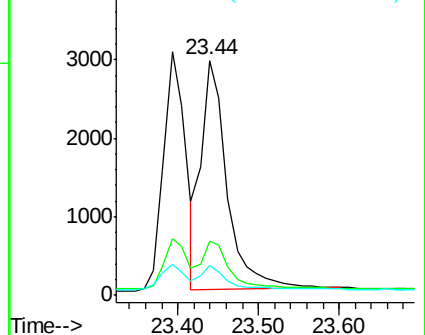
125 12.8 9.6 14.4



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: 0.36 ng

RT: 24.02 min Scan# 1538

Delta R.T. 0.03 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

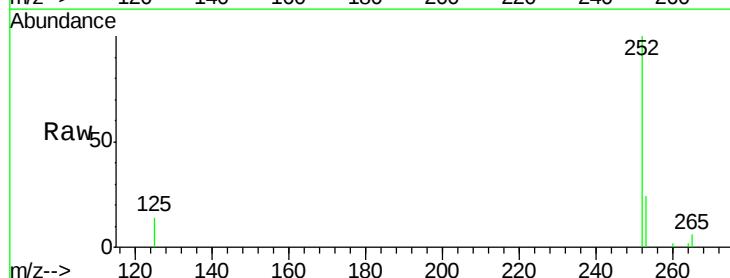
Tgt Ion:252 Resp: 5819

Ion Ratio Lower Upper

252 100

253 24.4 19.0 28.6

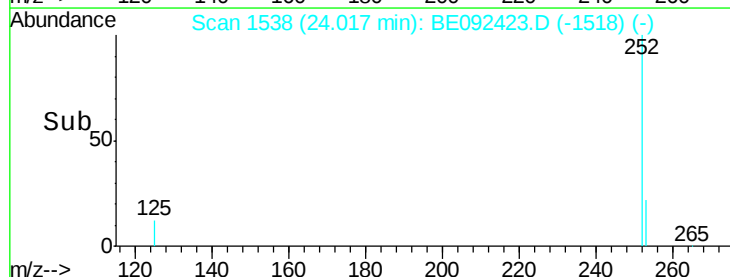
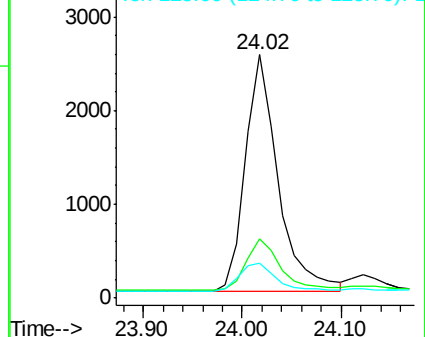
125 14.2 11.8 17.8



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: 0.34 ng

RT: 26.67 min Scan# 1720

Delta R.T. 0.07 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

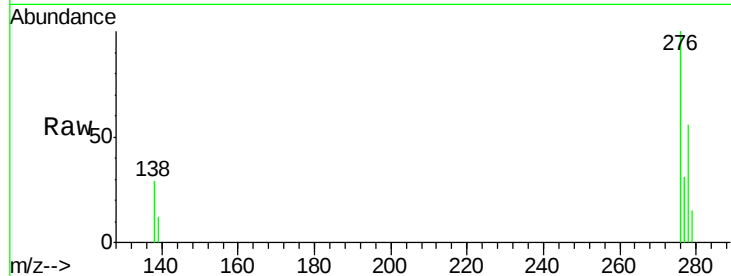
Tgt Ion: 278 Resp: 5127

Ion Ratio Lower Upper

278 100

139 21.3 13.8 20.8#

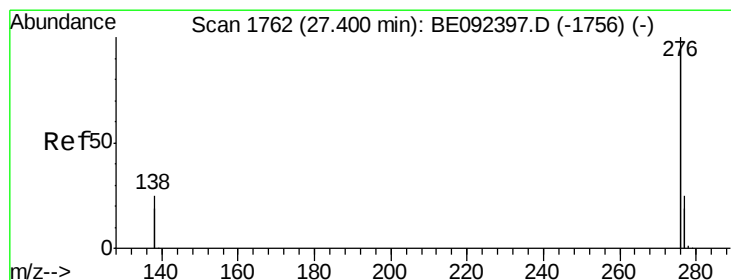
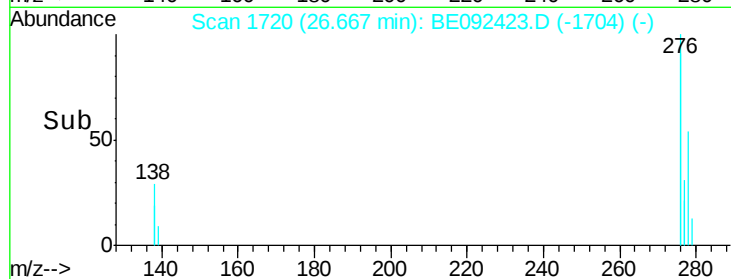
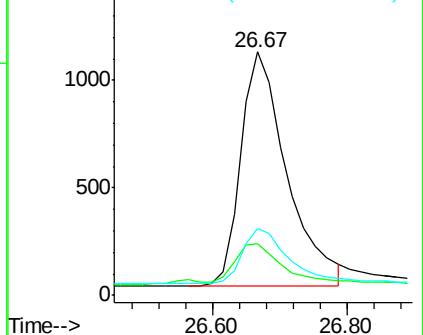
279 27.3 21.4 32.2



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: 0.36 ng

RT: 27.42 min Scan# 1764

Delta R.T. 0.07 min

Lab File: BE092423.D

Acq: 23 Sep 2016 19:50

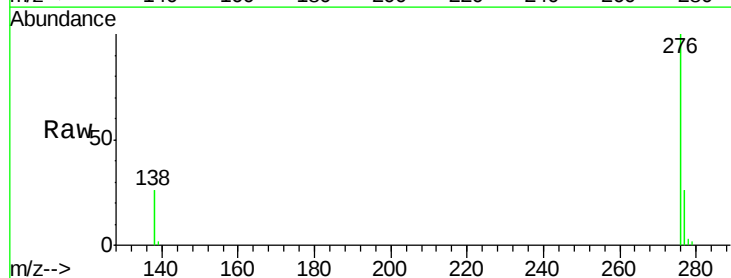
Tgt Ion: 276 Resp: 22905

Ion Ratio Lower Upper

276 100

277 26.4 19.8 29.8

138 25.6 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

