

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100317\
 Data File : BE094168.D
 Acq On : 3 Oct 2017 23:31
 Operator : SJ/JU
 Sample : I5496-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 04 08:08:23 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 29 13:57:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1493	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7586	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5017	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	15723	0.40	ng	0.00
27) Chrysene-d12	21.40	240	13836	0.40	ng	0.00
34) Perylene-d12	23.90	264	12950	0.40	ng	-0.01

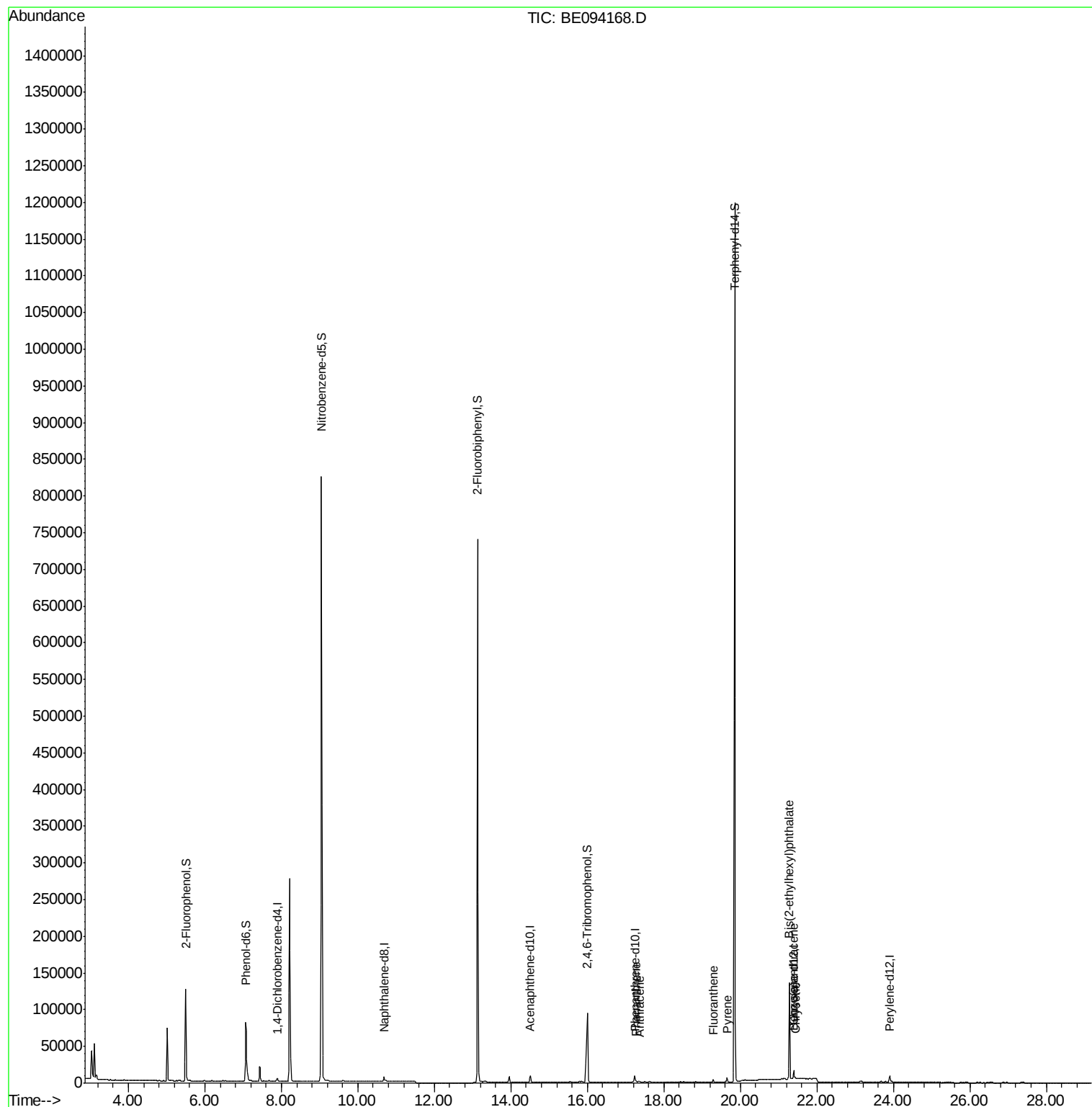
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.50	112	72295	12.77	ng	0.00
5) Phenol-d6	7.09	99	83637	10.64	ng	0.00
8) Nitrobenzene-d5	9.04	82	301541	41.08	ng	-0.02
11) 2-Methylnaphthalene-d10	12.25	152	6	0.00	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	87217	33.46	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	643230	38.80	ng	0.00
25) Fluoranthene-d10	19.30	212	295	0.00	ng	0.03
29) Terphenyl-d14	19.85	244	1033657	40.95	ng	0.00

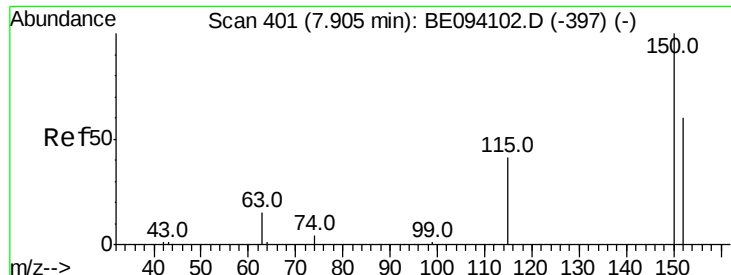
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.27	178	2355m	0.059	ng	
24) Anthracene	17.37	178	923	0.022	ng	# 80
26) Fluoranthene	19.29	202	3109	0.069	ng	97
28) Pyrene	19.65	202	5138	0.117	ng	# 93
30) Benzo(a)anthracene	21.38	228	1783	0.038	ng	# 71
31) Chrysene	21.44	228	2201	0.049	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.28	149	172892	1.349	ng	100

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

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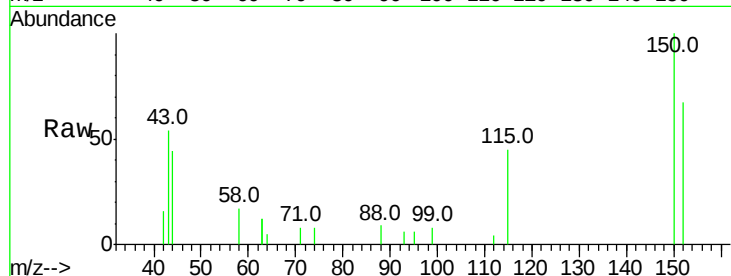




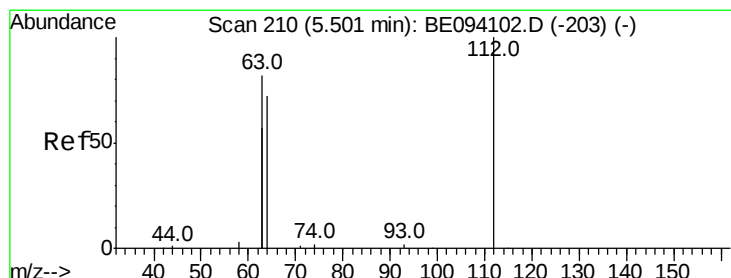
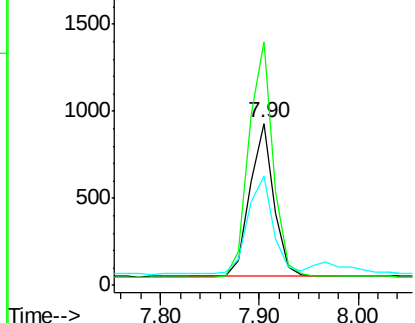
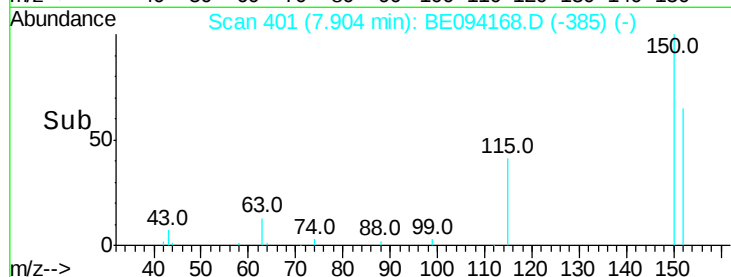
#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094168.D
Acq: 3 Oct 2017 23:31

Tot Ion:152 Resp: 1493
Ion Ratio Lower Upper
152 100
150 150.1 117.2 175.8
115 67.2 57.0 85.6



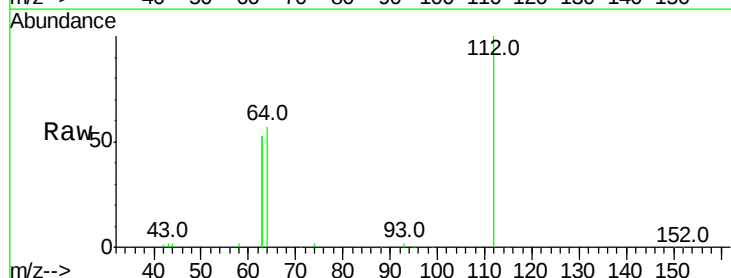
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



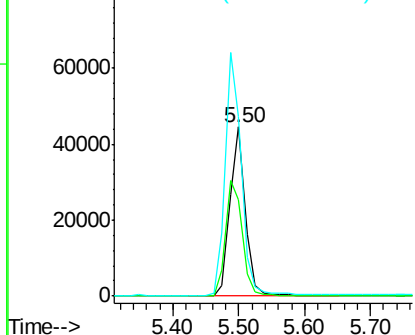
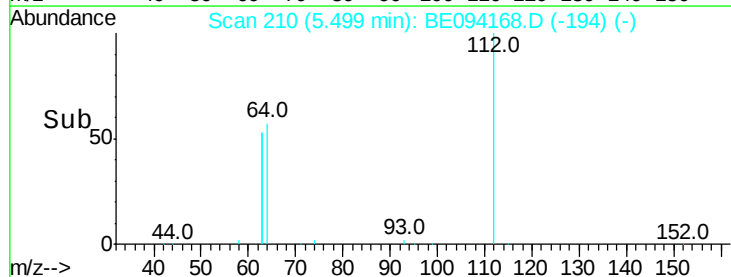
#4

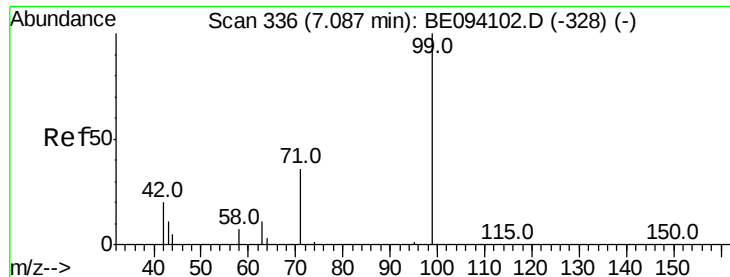
2-Fluorophenol
Concen: 12.773 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094168.D
Acq: 3 Oct 2017 23:31

Tgt Ion:112 Resp: 72295
Ion Ratio Lower Upper
112 100
64 74.8 60.1 90.1
63 149.9 116.8 175.2



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: 10.639 ng

RT: 7.09 min Scan# 336

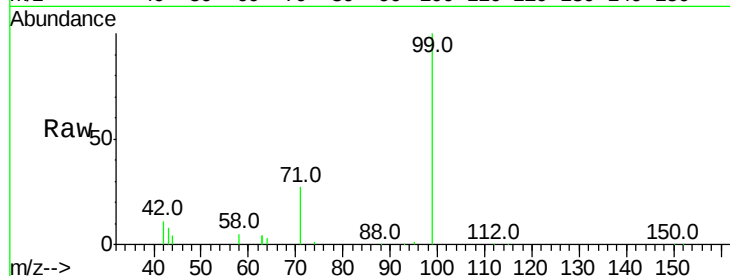
Delta R.T. -0.00 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

Tot Ion: 99 Resp: 83637

Ion	Ratio	Lower	Upper
99	100		
42	21.8	20.2	30.2
71	34.3	28.4	42.6

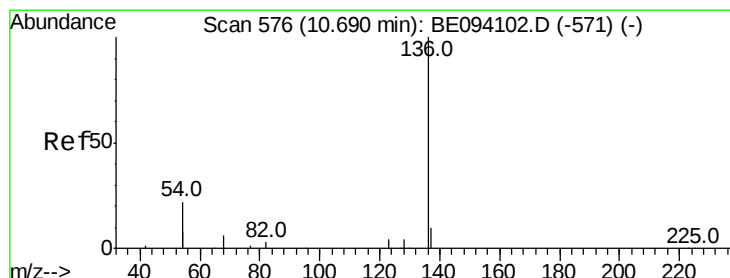
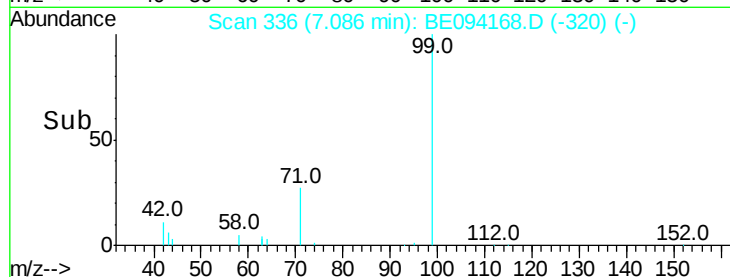
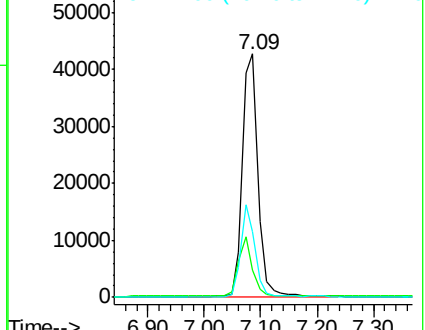


Abundance

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

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

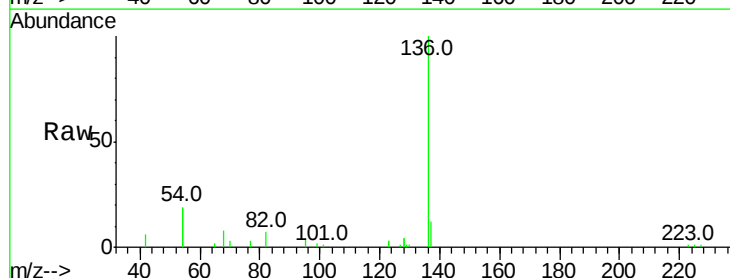
Delta R.T. -0.00 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

Tgt Ion: 136 Resp: 7586

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	38.4	29.1	43.7
68	8.0	6.2	9.2



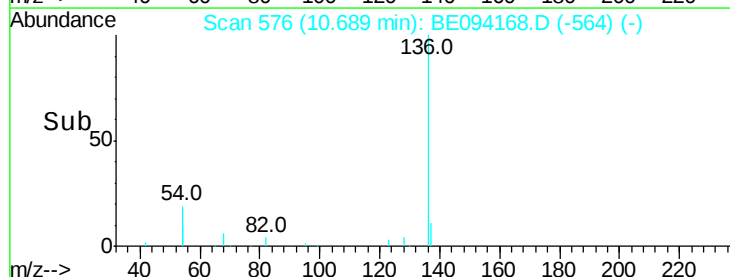
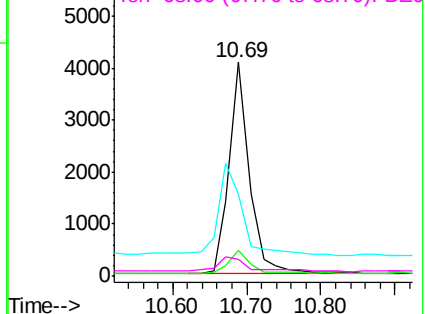
Abundance

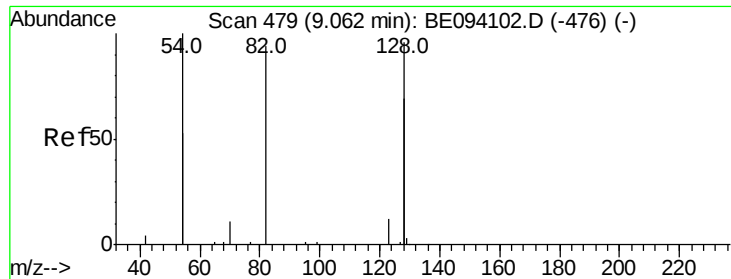
Ion 136.00 (135.70 to 136.70): E

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: 41.076 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

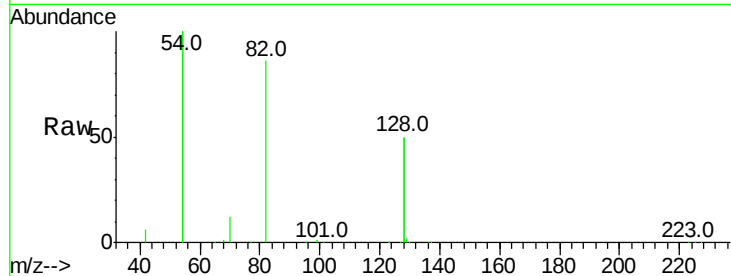
Tot Ion: 82 Resp: 301541

Ion Ratio Lower Upper

82 100

128 117.5 150.0 225.0#

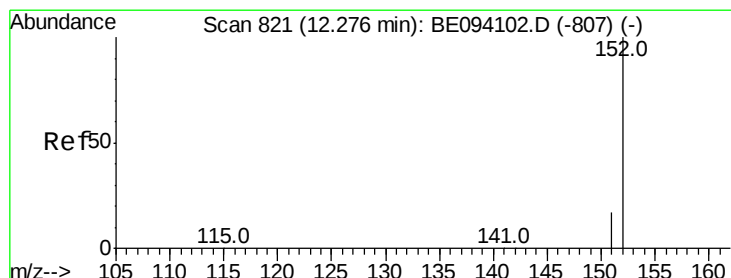
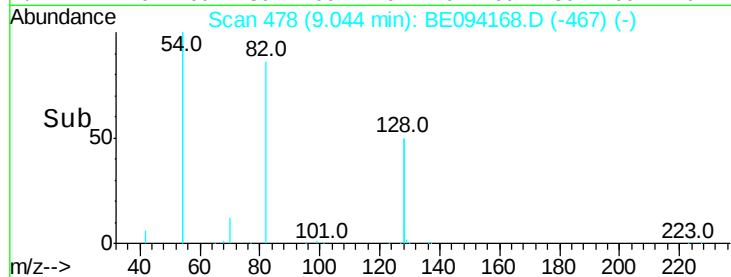
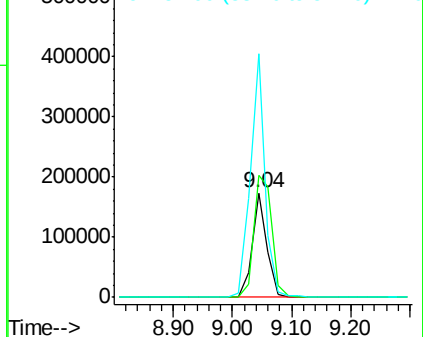
54 233.8 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE094168.D (-478) (-)

Ion 128.00 (127.70 to 128.70): BE094168.D (-478) (-)

Ion 54.00 (53.70 to 54.70): BE094168.D (-478) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.001 ng

RT: 12.25 min Scan# 815

Delta R.T. -0.02 min

Lab File: BE094168.D

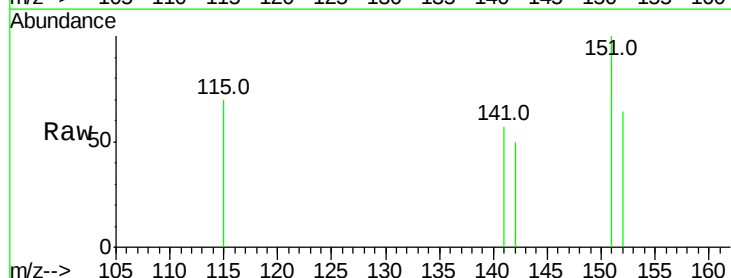
Acq: 3 Oct 2017 23:31

Tgt Ion: 152 Resp: 6

Ion Ratio Lower Upper

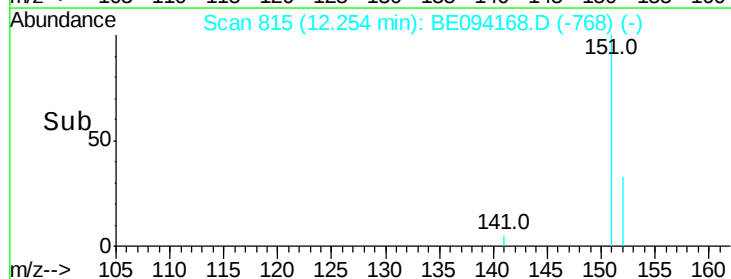
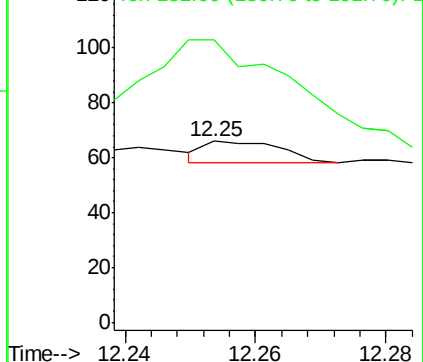
152 100

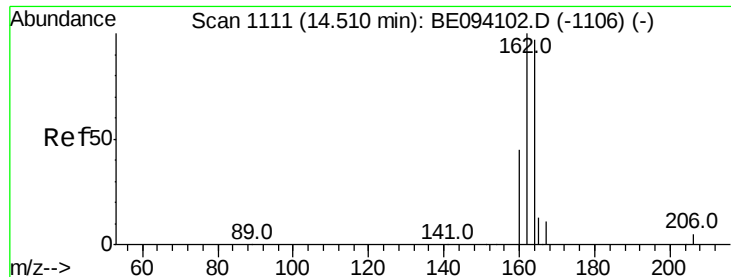
151 1233.3 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): BE094168.D (-768) (-)

Ion 151.00 (150.70 to 151.70): BE094168.D (-768) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

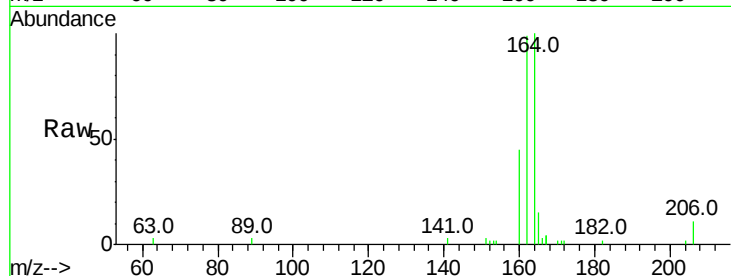
Tot Ion:164 Resp: 5017

Ion Ratio Lower Upper

164 100

162 99.1 83.1 124.7

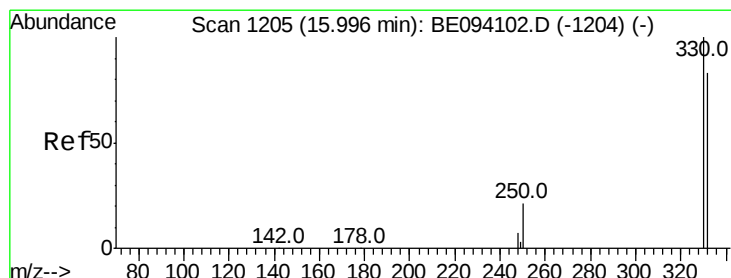
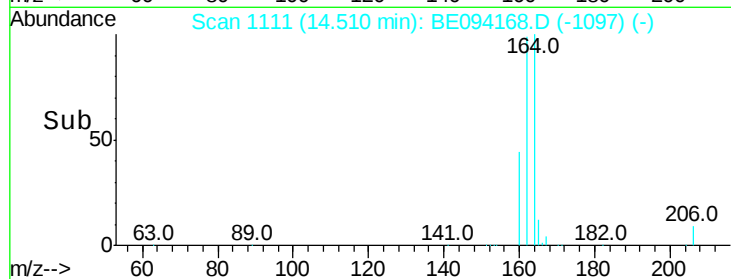
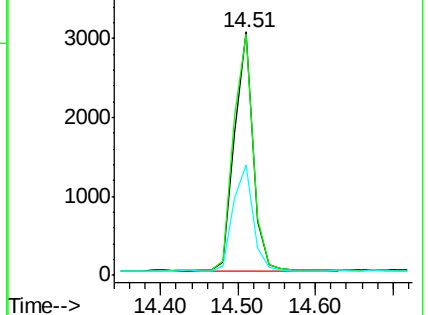
160 45.2 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 33.465 ng

RT: 16.00 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

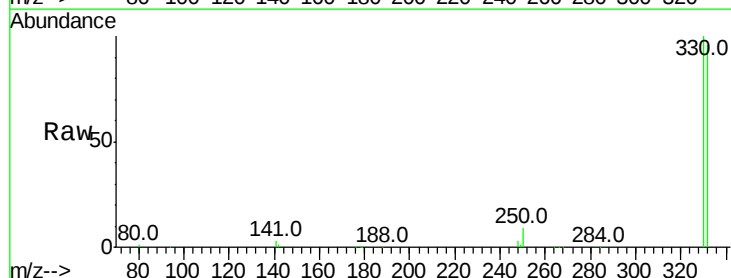
Tgt Ion:330 Resp: 87217

Ion Ratio Lower Upper

330 100

332 97.2 152.7 229.1#

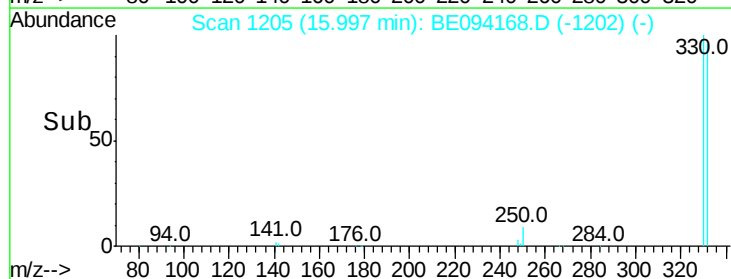
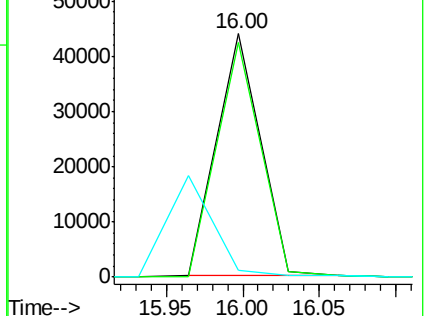
141 0.0 33.7 50.5#

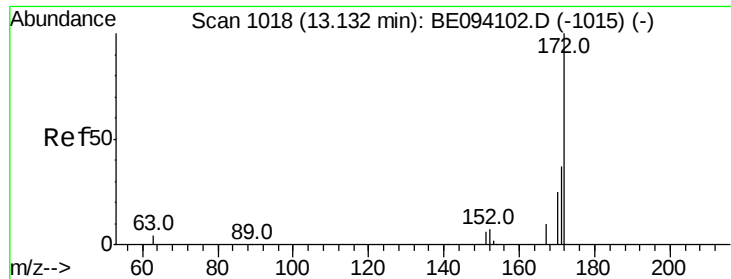


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

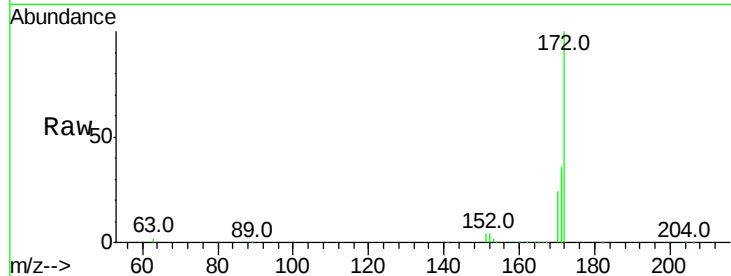
Ion 141.00 (140.70 to 141.70): E



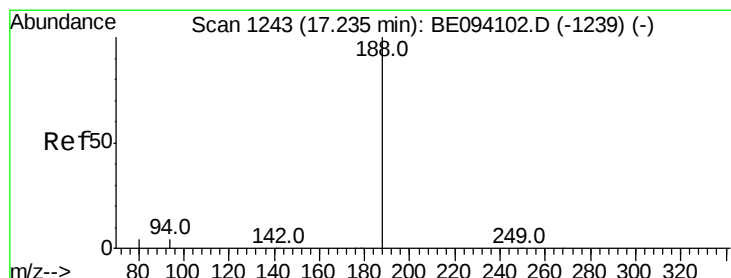
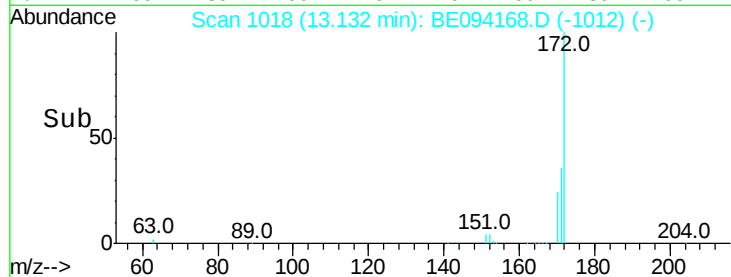
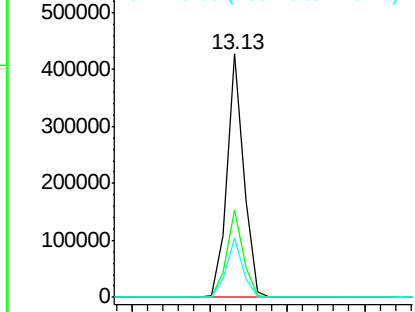


#15
2-Fluorobiphenyl
Concen: 38.803 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094168.D
Acq: 3 Oct 2017 23:31

Tot Ion:172 Resp: 643230
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 24.1 21.8 32.8

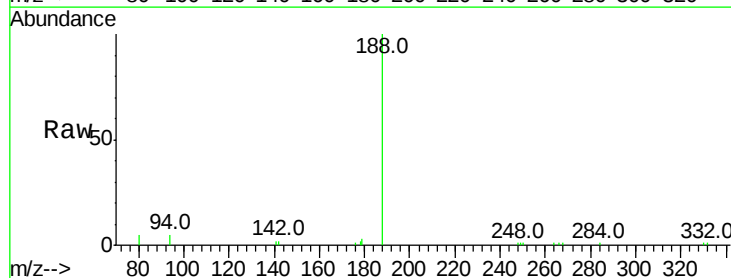


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

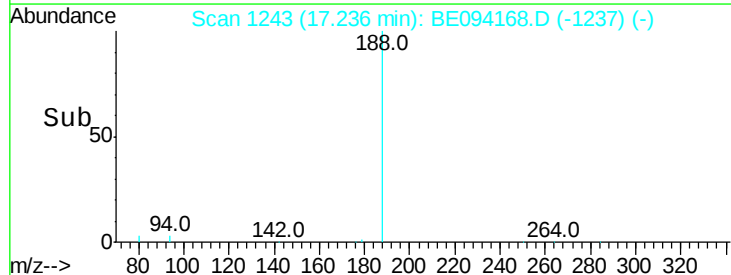
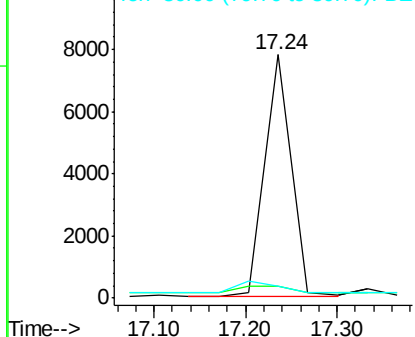


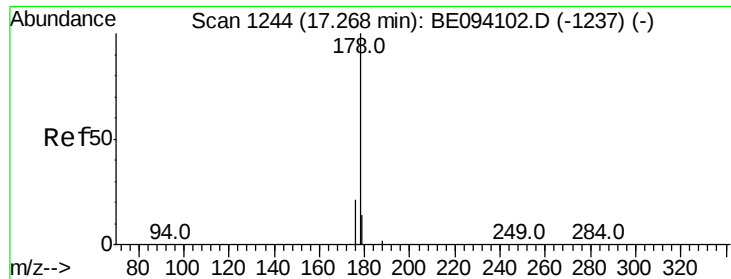
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094168.D
Acq: 3 Oct 2017 23:31

Tgt Ion:188 Resp: 15723
Ion Ratio Lower Upper
188 100
94 5.0 3.9 5.9
80 4.9 3.6 5.4



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





#23

Phenanthrene

Concen: 0.059 ng/mL

RT: 17.27 min Scan# 1244

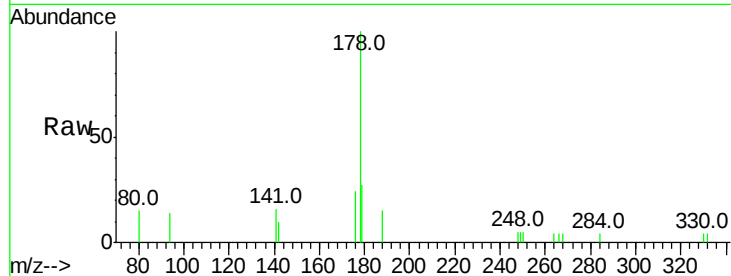
Delta R.T. 0.00 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

Tot Ion:178 Resp: 2355

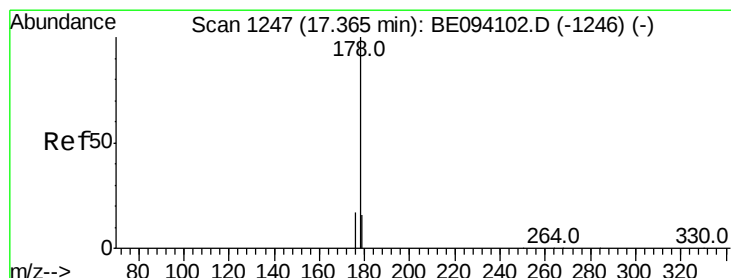
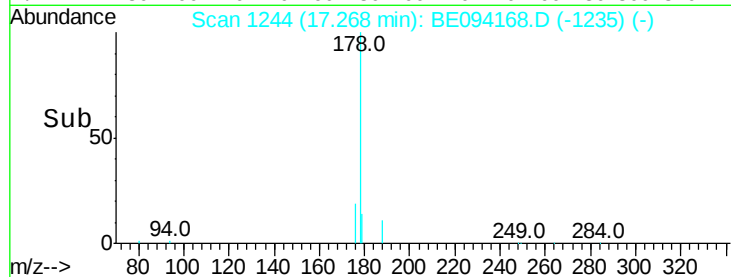
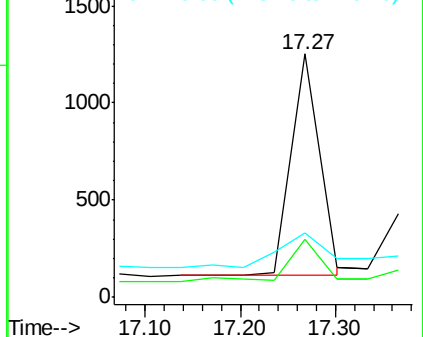
Ion	Ratio	Lower	Upper
178	100		
176	22.2	15.1	22.7
179	30.6	11.8	17.6#



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



#24

Anthracene

Concen: 0.022 ng/mL

RT: 17.37 min Scan# 1247

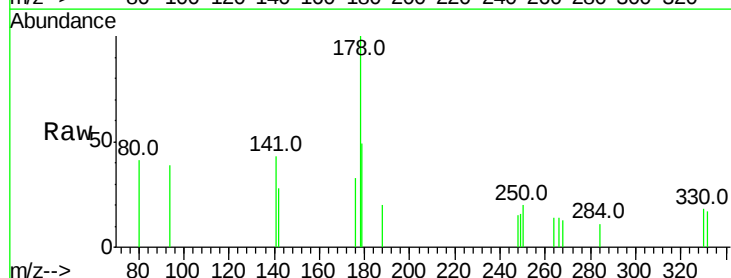
Delta R.T. 0.00 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

Tgt Ion:178 Resp: 923

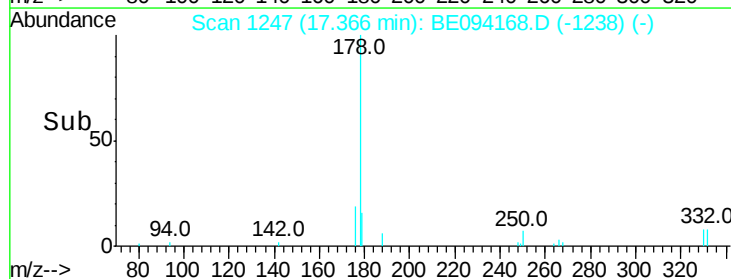
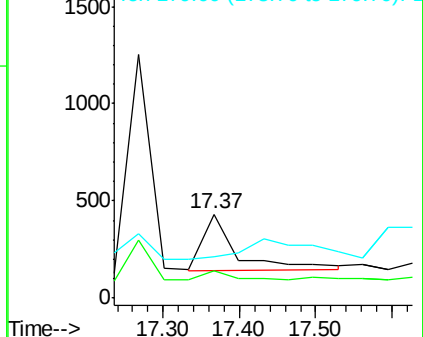
Ion	Ratio	Lower	Upper
178	100		
176	16.6	12.8	19.2
179	0.0	13.0	19.6#

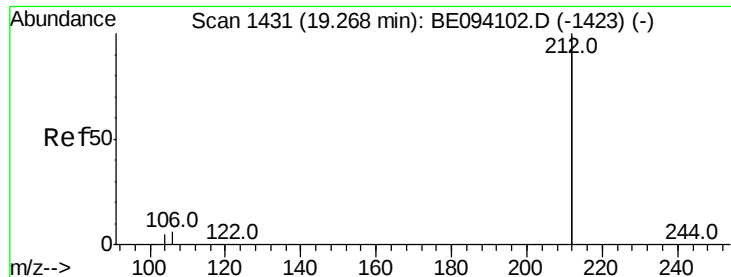


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.002 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.03 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

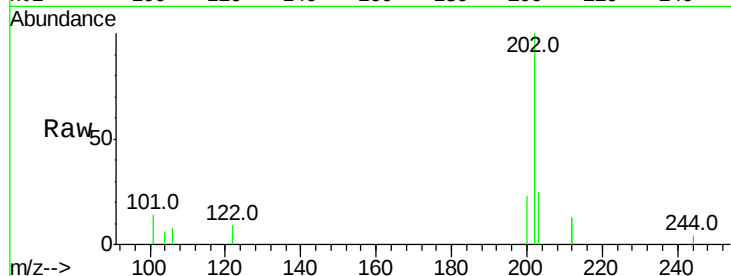
Tot Ion:212 Resp: 295

Ion Ratio Lower Upper

212 100

106 16.9 2.8 4.2#

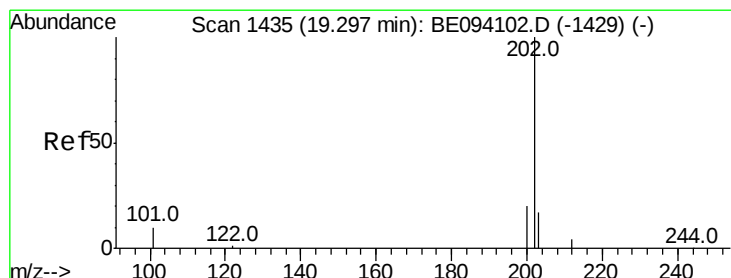
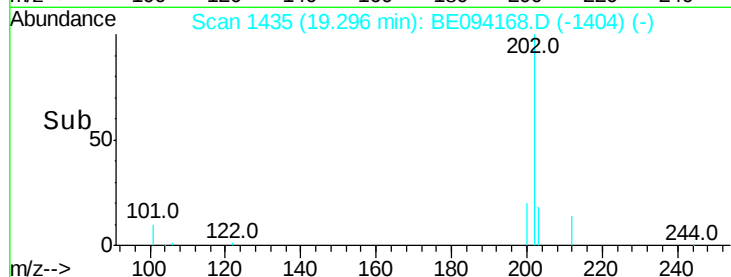
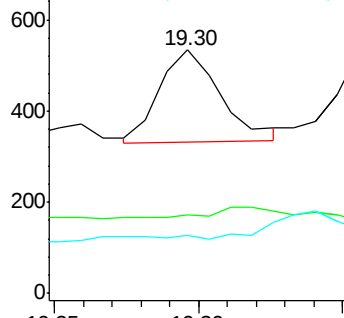
104 0.0 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.069 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

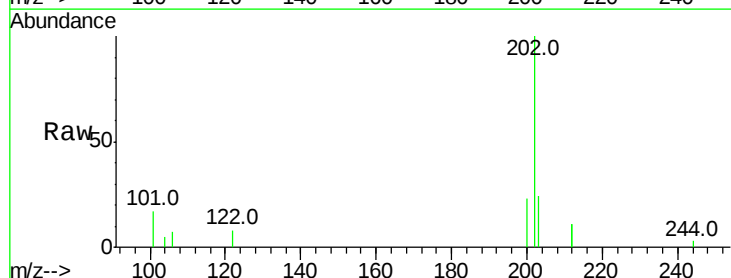
Tgt Ion:202 Resp: 3109

Ion Ratio Lower Upper

202 100

101 14.6 9.8 14.8

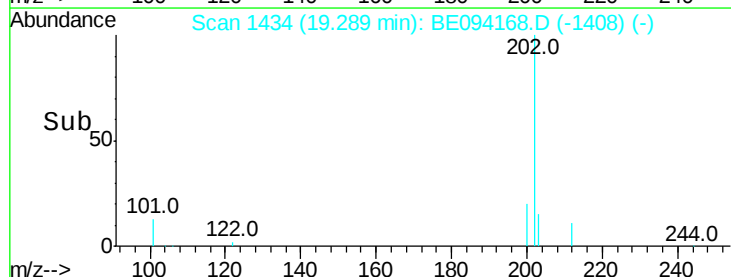
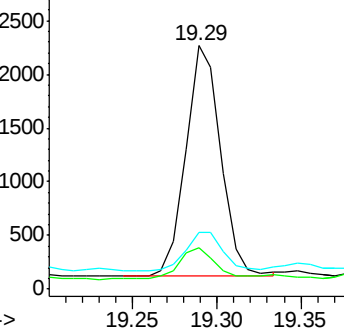
203 17.7 13.7 20.5

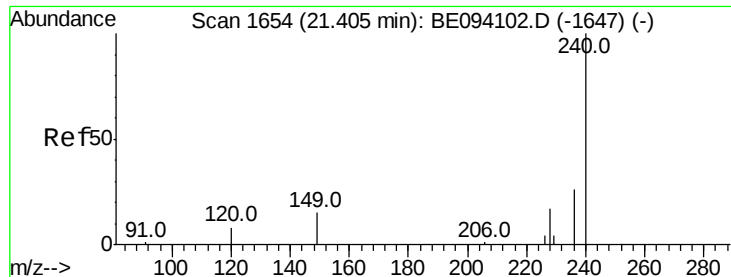


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

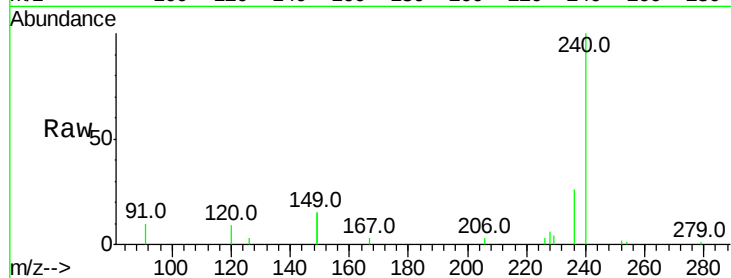
Tot Ion:240 Resp: 13836

Ion Ratio Lower Upper

240 100

120 9.2 5.5 8.3#

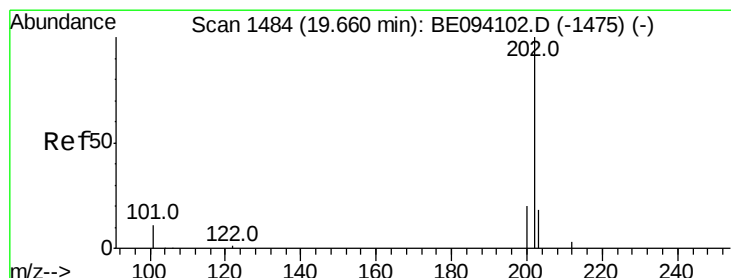
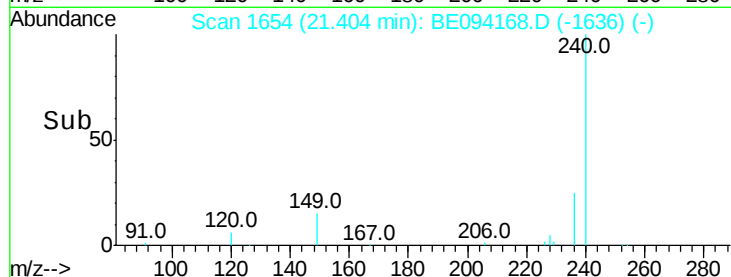
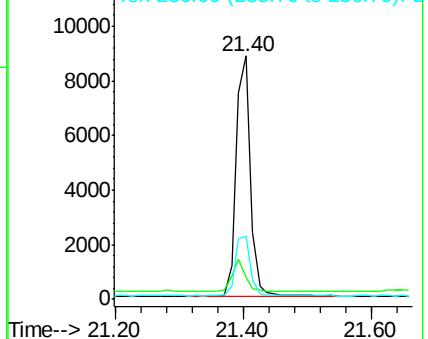
236 26.0 20.7 31.1



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



#28

Pyrene

Concen: 0.117 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094168.D

Acq: 3 Oct 2017 23:31

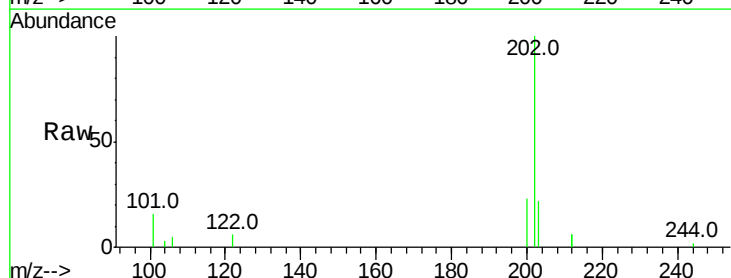
Tgt Ion:202 Resp: 5138

Ion Ratio Lower Upper

202 100

200 21.4 16.6 25.0

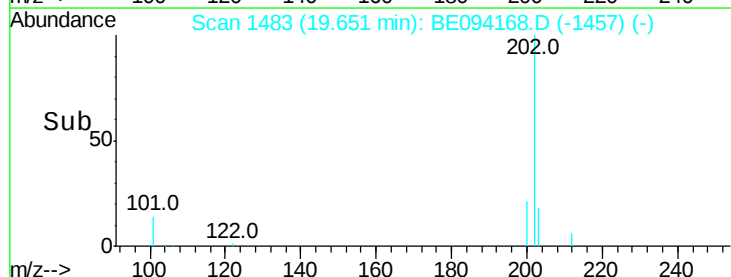
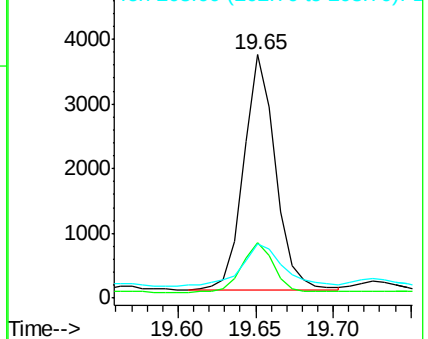
203 23.1 13.8 20.8#

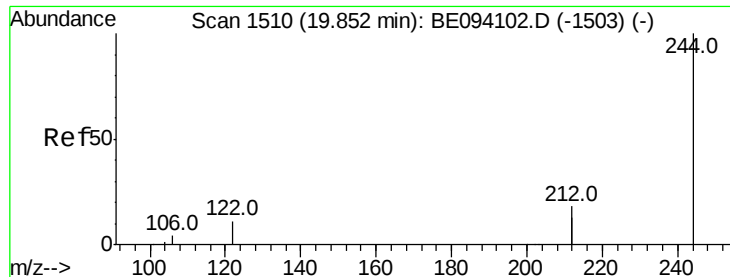


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

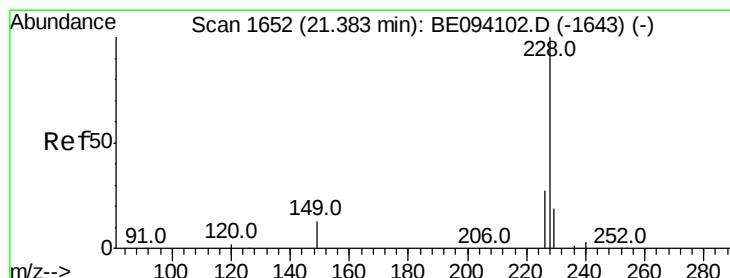
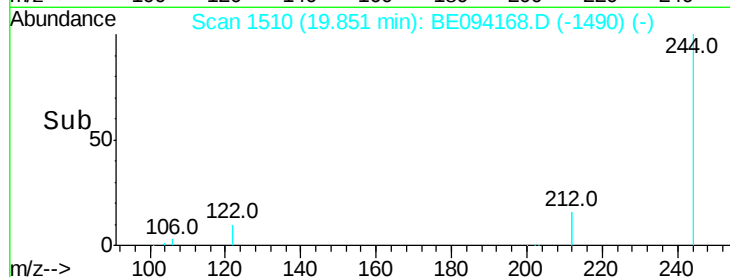
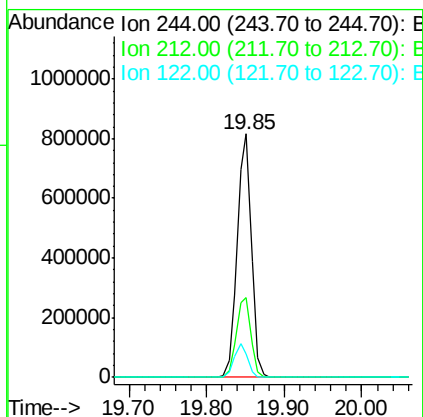
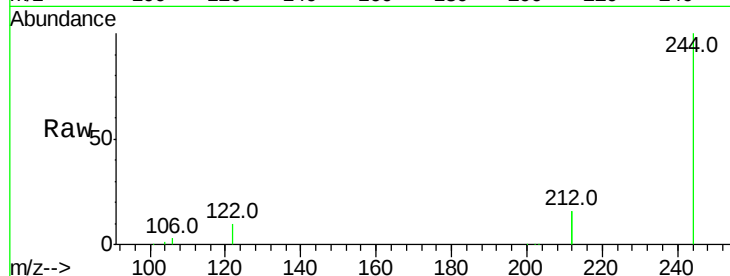




#29
 Terphenyl-d14
 Concen: 40.947 ng
 RT: 19.85 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: BE094168.D
 Acq: 3 Oct 2017 23:31

Tot Ion:244 Resp: 1033657

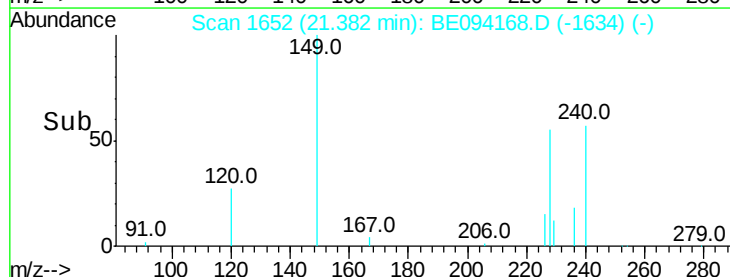
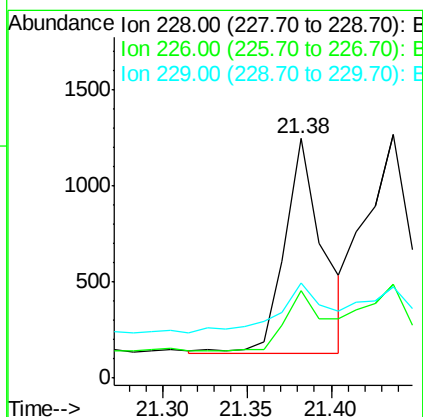
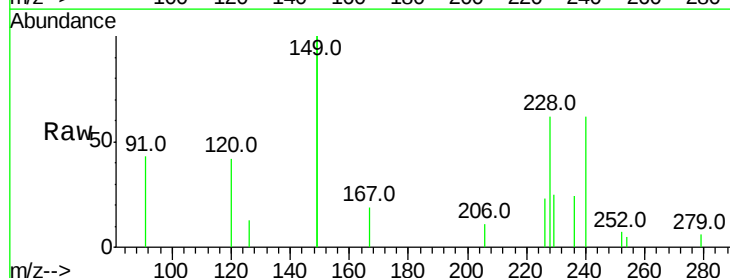
Ion	Ratio	Lower	Upper
244	100		
212	32.7	25.4	38.0
122	9.6	8.1	12.1

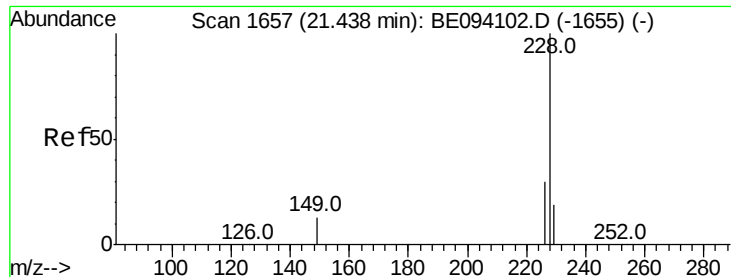


#30
 Benzo(a)anthracene
 Concen: 0.038 ng
 RT: 21.38 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: BE094168.D
 Acq: 3 Oct 2017 23:31

Tgt Ion:228 Resp: 1783

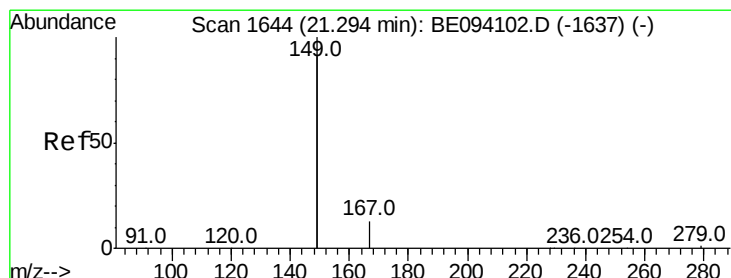
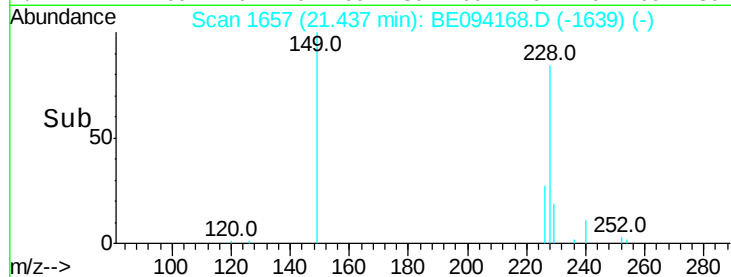
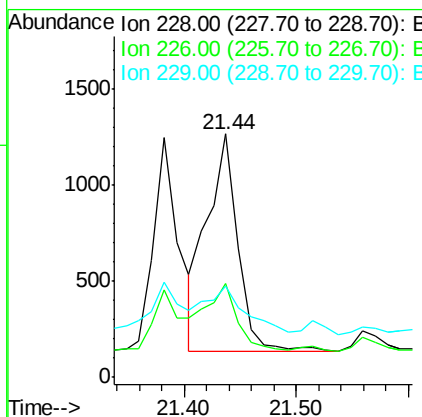
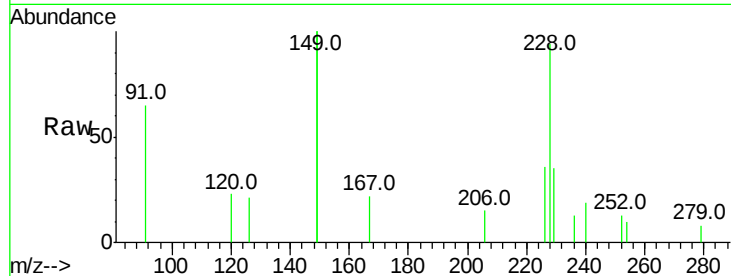
Ion	Ratio	Lower	Upper
228	100		
226	36.7	21.4	32.0#
229	39.8	16.4	24.6#





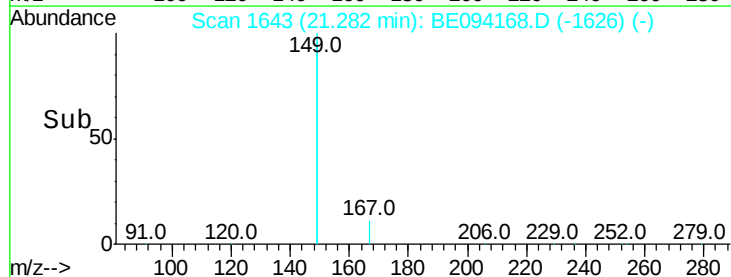
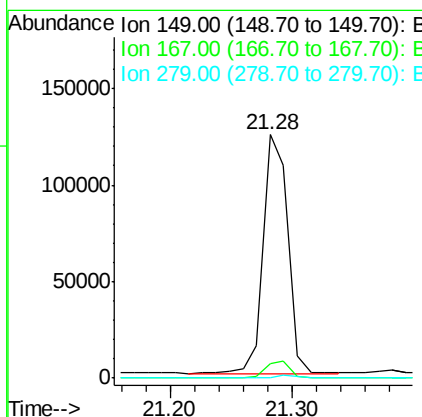
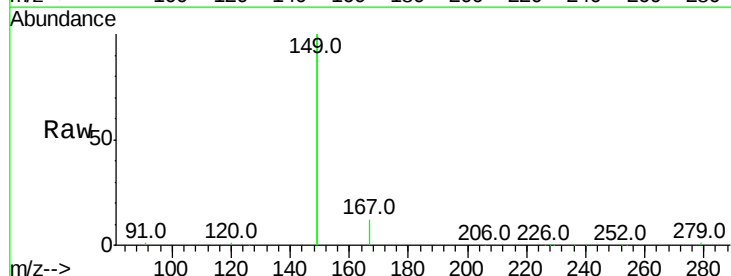
#31
 Chrysene
 Concen: 0.049 ng
 RT: 21.44 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: BE094168.D
 Acq: 3 Oct 2017 23:31

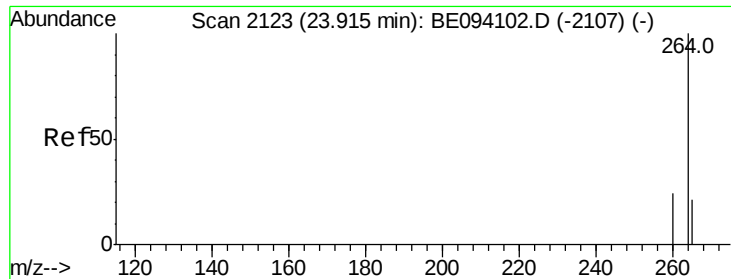
Tot Ion:228 Resp: 2201
 Ion Ratio Lower Upper
 228 100
 226 38.7 23.6 35.4#
 229 37.3 16.4 24.6#



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.349 ng
 RT: 21.28 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BE094168.D
 Acq: 3 Oct 2017 23:31

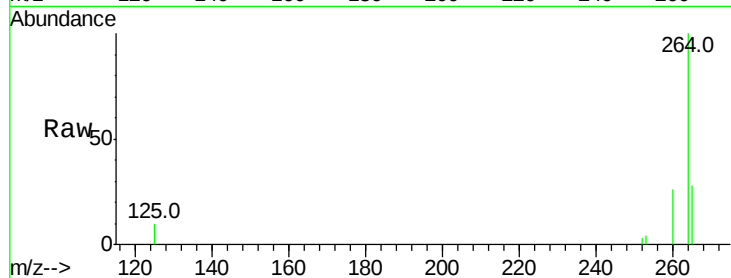
Tgt Ion:149 Resp: 172892
 Ion Ratio Lower Upper
 149 100
 167 6.8 5.4 8.0
 279 0.8 0.7 1.1





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE094168.D
 Acq: 3 Oct 2017 23:31

Tot Ion: 264 Resp: 12950
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.5 30.7
 265 28.1 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

