

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100317\
 Data File : BE094163.D
 Acq On : 3 Oct 2017 20:26
 Operator : SJ/JU
 Sample : I5496-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 04 07:56:23 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	7.91	152	1547	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7965	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5491	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	16627	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14796	0.40	ng	0.00
34) Perylene-d12	23.90	264	14020	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.50	112	111847	19.07	ng	0.00
5) Phenol-d6	7.07	99	109267	13.41	ng	-0.01
8) Nitrobenzene-d5	9.04	82	396865	51.49	ng	-0.02
11) 2-Methylnaphthalene-d10	12.25	152	22	0.00	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	125196	43.90	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	858935	47.34	ng	0.00
25) Fluoranthene-d10	19.26	212	69	0.00	ng	0.00
29) Terphenyl-d14	19.85	244	1334597	49.44	ng	0.00

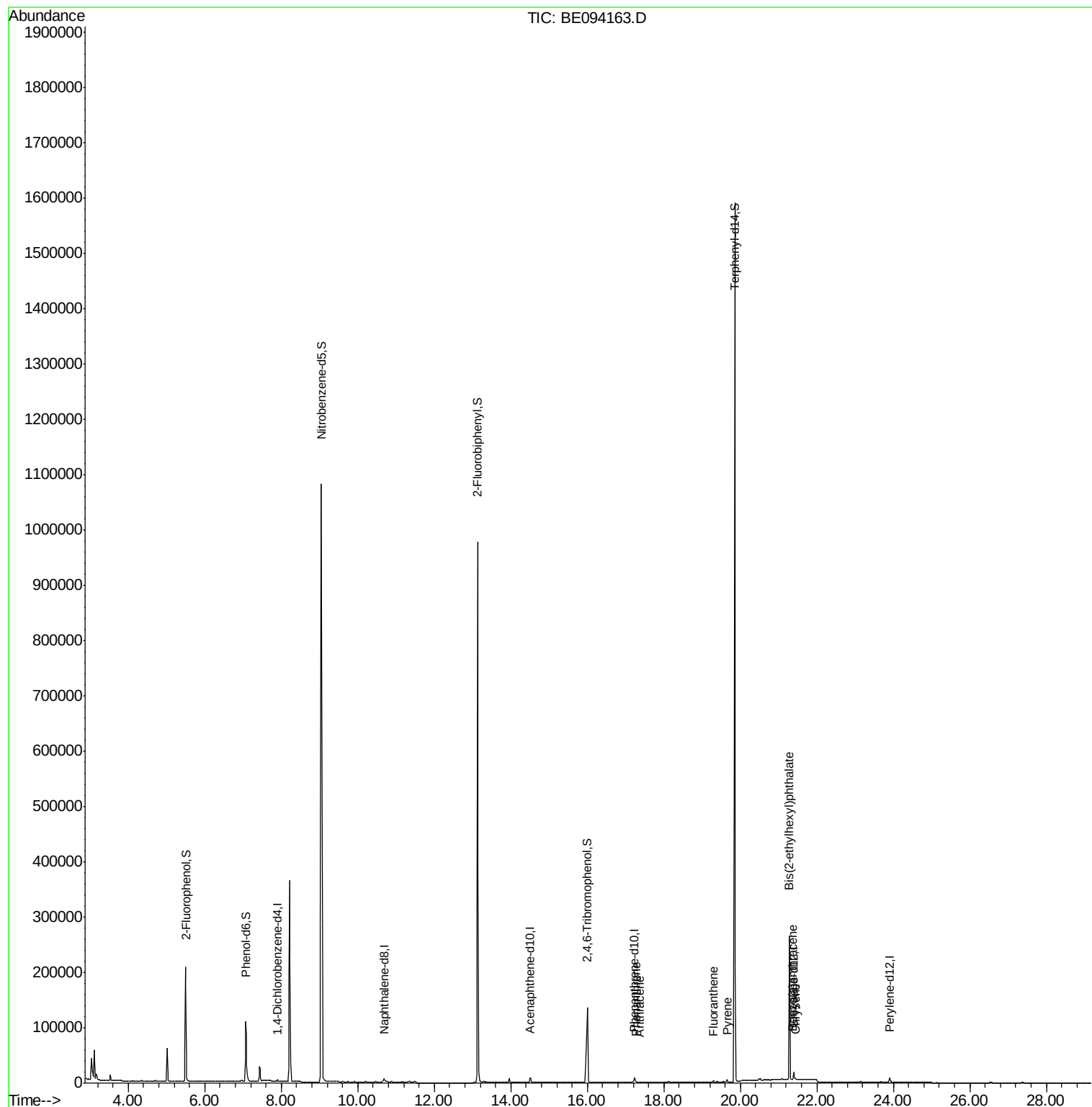
Target Compounds

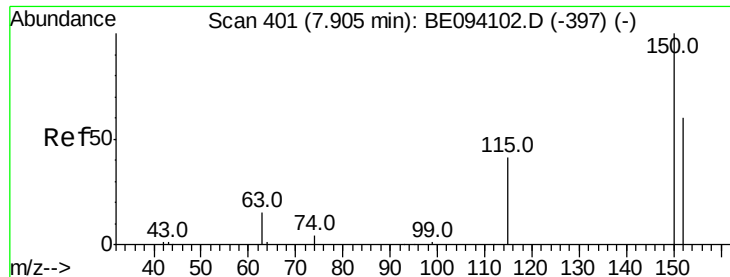
						Qvalue
23) Phenanthrene	17.27	178	2222m	0.052	ng	
24) Anthracene	17.37	178	1025	0.023	ng	# 77
26) Fluoranthene	19.30	202	2886	0.061	ng	# 91
28) Pyrene	19.65	202	4411	0.094	ng	# 92
30) Benzo(a)anthracene	21.38	228	1912	0.038	ng	# 67
31) Chrysene	21.44	228	2255	0.047	ng	# 73
32) Bis(2-ethylhexyl)phthalate	21.28	149	358766	2.892	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: 7.91 min Scan# 401

Delta R.T. 0.00 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

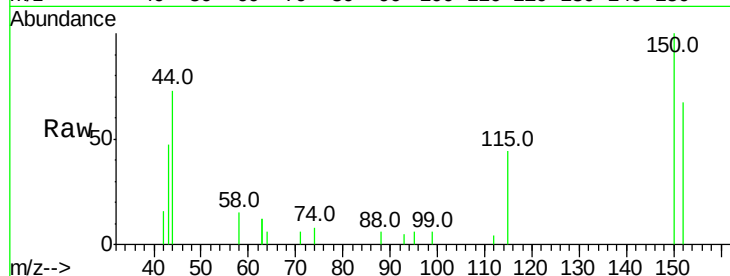
Tot Ion:152 Resp: 1547

Ion Ratio Lower Upper

152 100

150 148.3 117.2 175.8

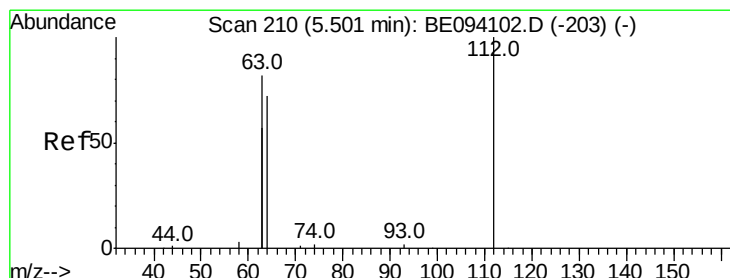
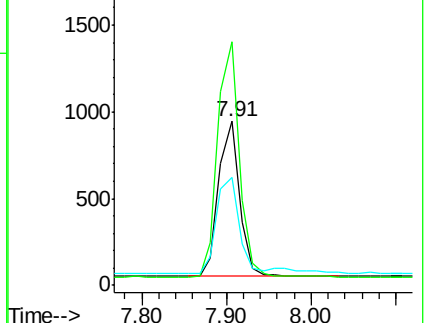
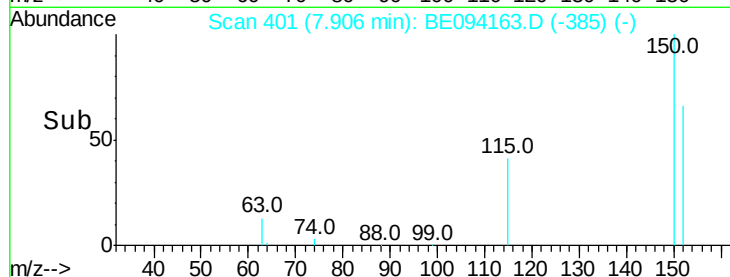
115 65.6 57.0 85.6



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: 19.072 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

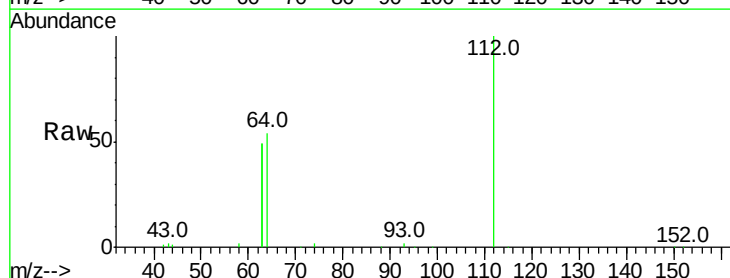
Tgt Ion:112 Resp: 111847

Ion Ratio Lower Upper

112 100

64 74.3 60.1 90.1

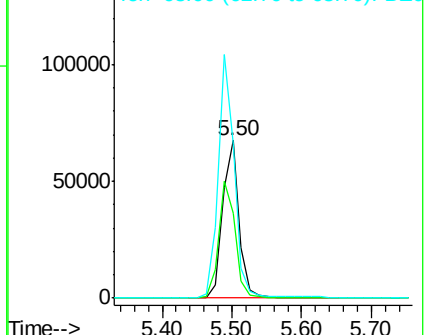
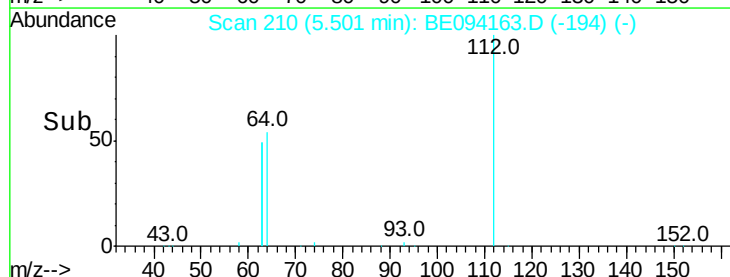
63 148.9 116.8 175.2

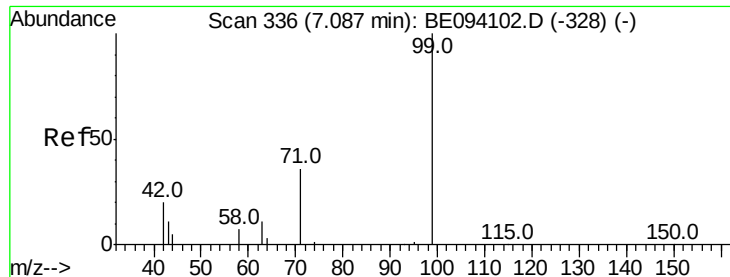


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 13.414 ng

RT: 7.07 min Scan# 335

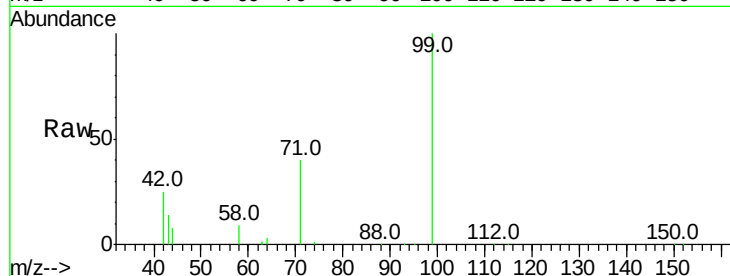
Delta R.T. -0.01 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

Tot Ion: 99 Resp: 109267

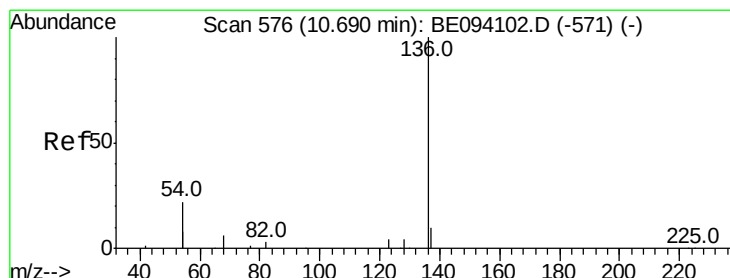
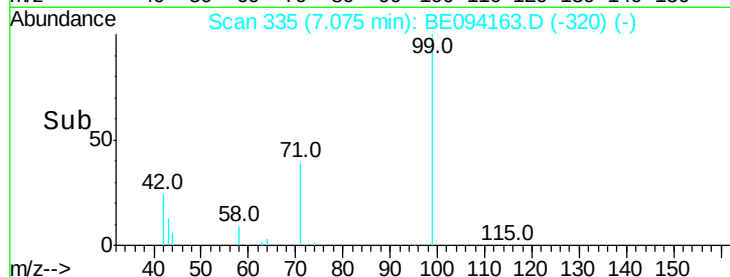
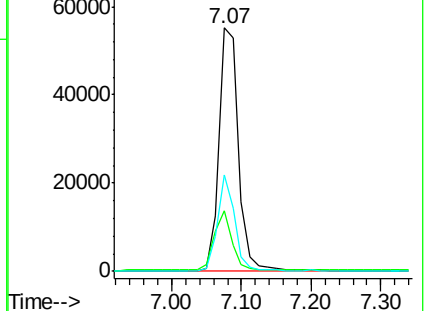
Ion	Ratio	Lower	Upper
99	100		
42	21.6	20.2	30.2
71	34.4	28.4	42.6



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: BE094163.D

Acq: 3 Oct 2017 20:26

Tgt Ion: 136 Resp: 7965

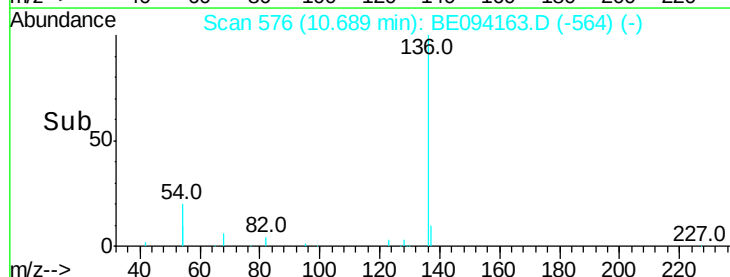
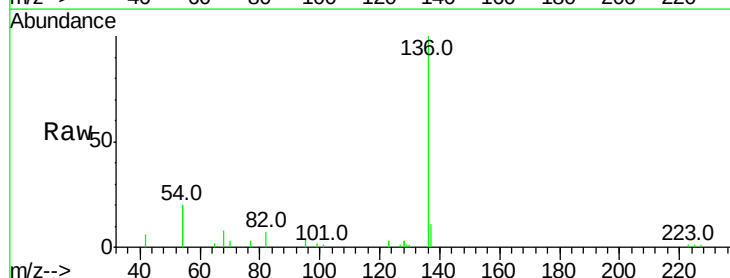
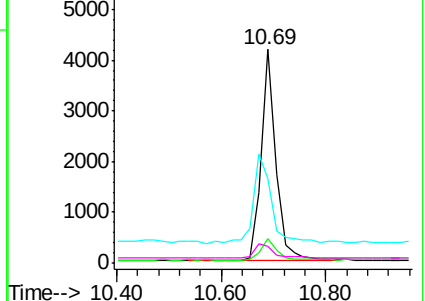
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	39.4	29.1	43.7
68	8.0	6.2	9.2

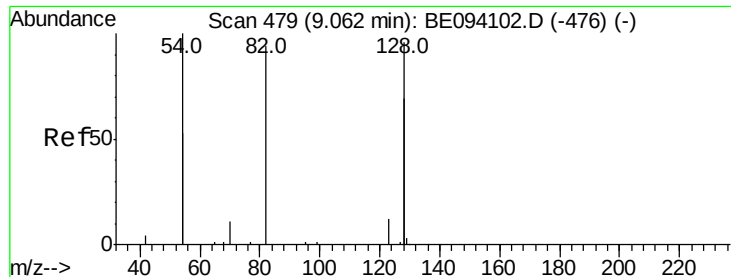
Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.489 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

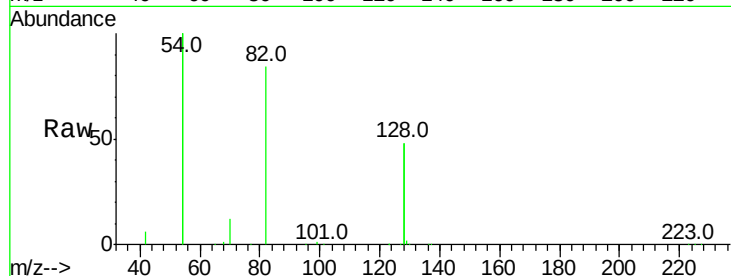
Tot Ion: 82 Resp: 396865

Ion Ratio Lower Upper

82 100

128 113.8 150.0 225.0#

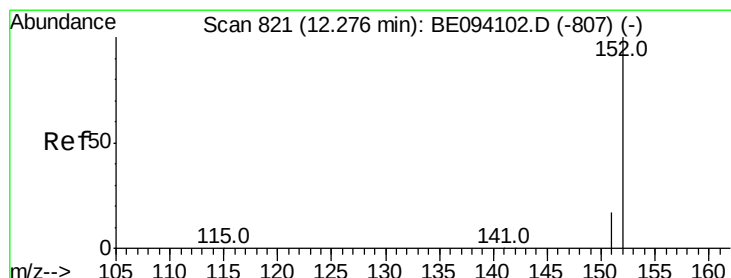
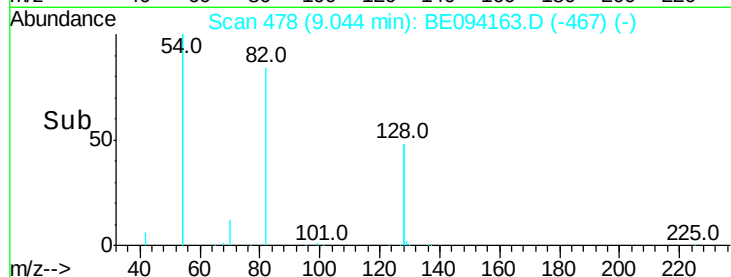
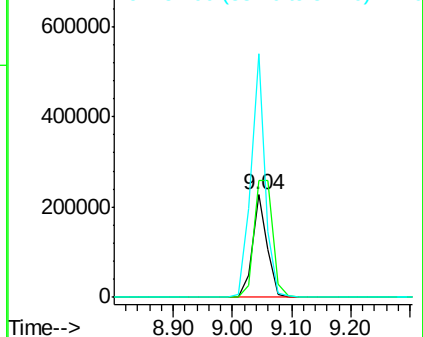
54 238.2 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE094102.D (-476) (-)

Ion 128.00 (127.70 to 128.70): BE094102.D (-476) (-)

Ion 54.00 (53.70 to 54.70): BE094102.D (-476) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.002 ng

RT: 12.25 min Scan# 815

Delta R.T. -0.02 min

Lab File: BE094163.D

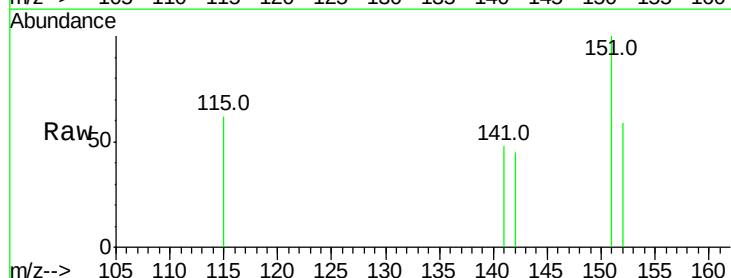
Acq: 3 Oct 2017 20:26

Tgt Ion: 152 Resp: 22

Ion Ratio Lower Upper

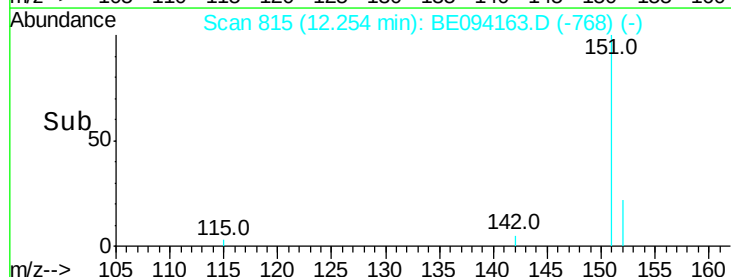
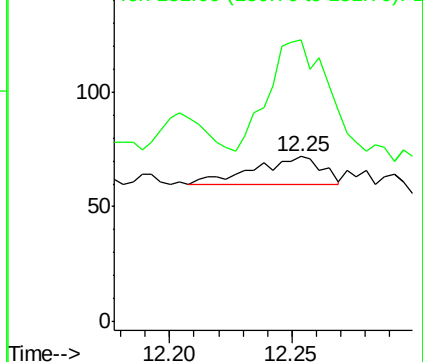
152 100

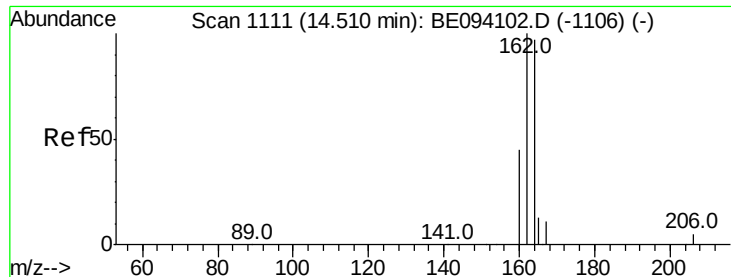
151 436.4 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): BE094102.D (-807) (-)

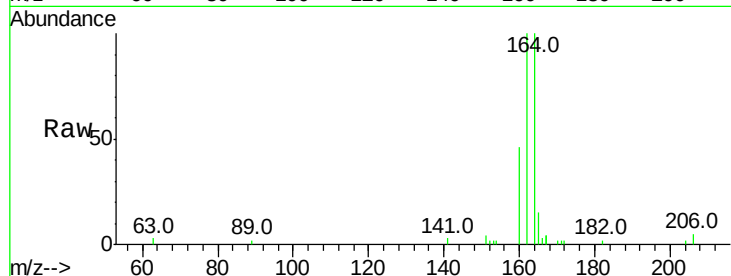
Ion 151.00 (150.70 to 151.70): BE094102.D (-807) (-)



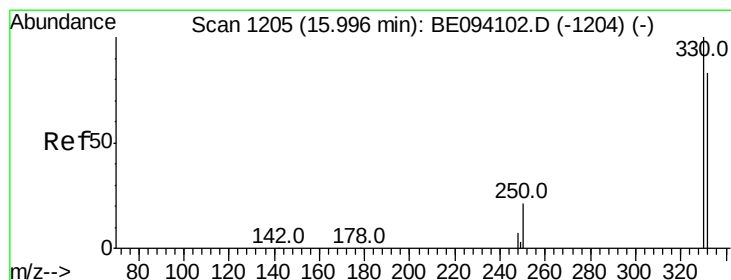
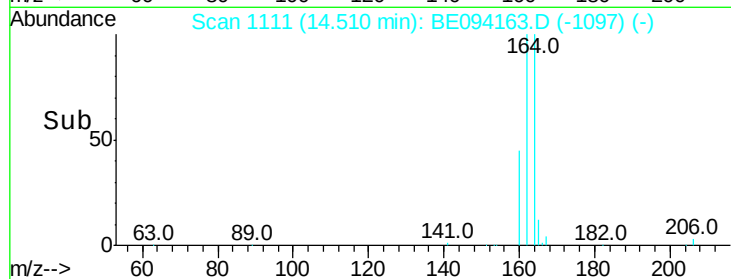
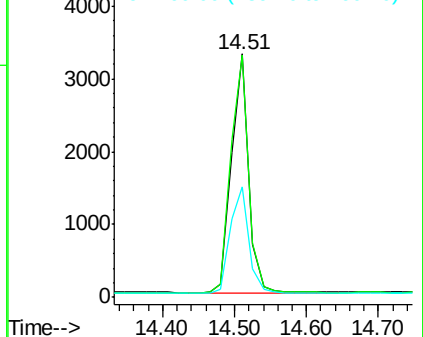


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094163.D
Acq: 3 Oct 2017 20:26

Tot Ion:164 Resp: 5491
Ion Ratio Lower Upper
164 100
162 99.8 83.1 124.7
160 45.6 37.1 55.7

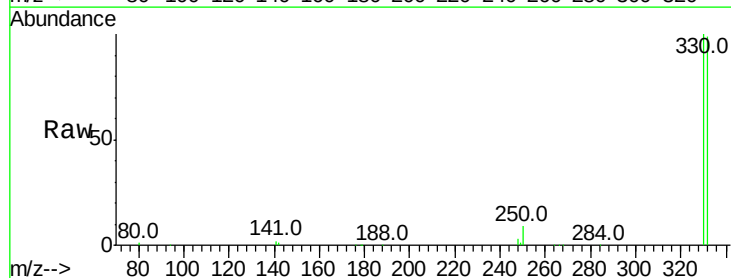


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

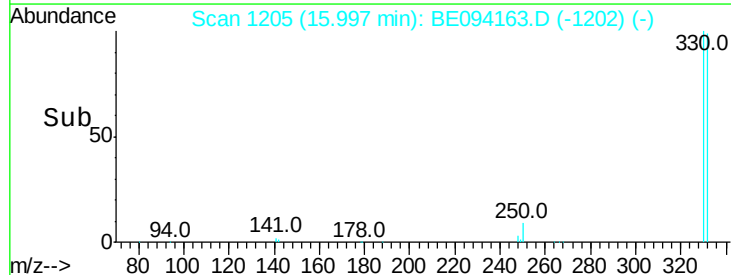
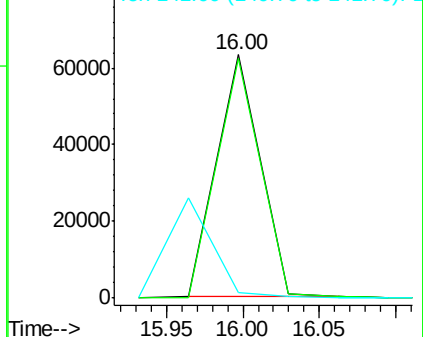


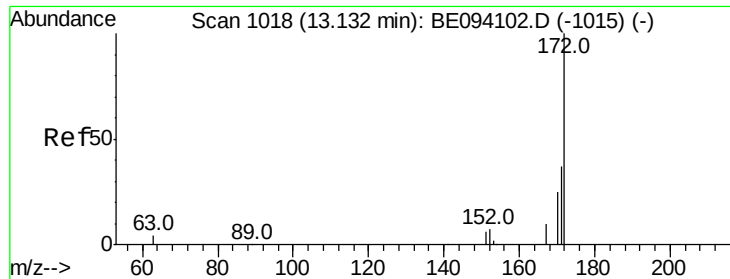
#14
2,4,6-Tribromophenol
Concen: 43.904 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094163.D
Acq: 3 Oct 2017 20:26

Tgt Ion:330 Resp: 125196
Ion Ratio Lower Upper
330 100
332 99.4 152.7 229.1#
141 0.0 33.7 50.5#



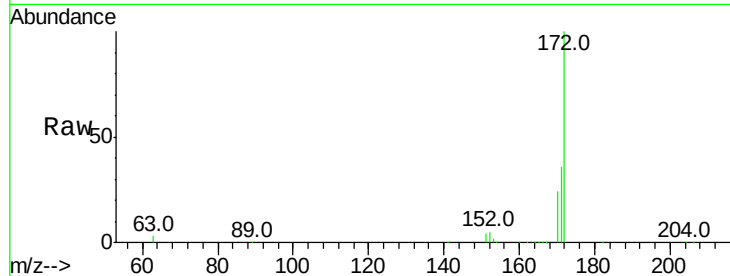
Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



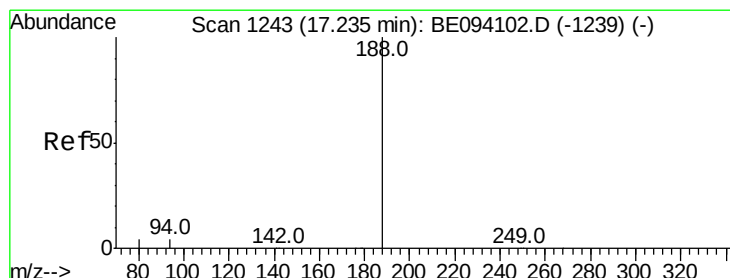
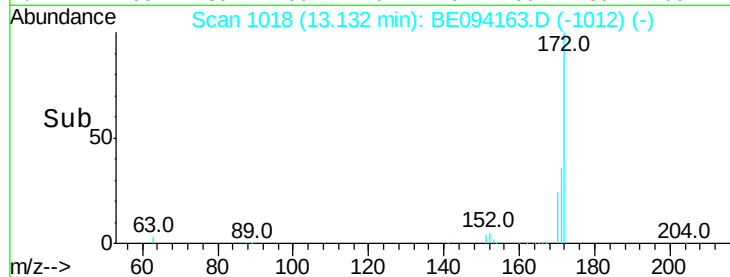
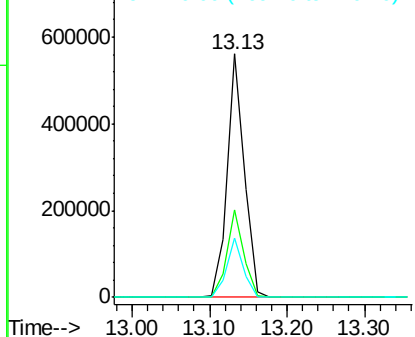


#15
2-Fluorobiphenyl
Concen: 47.342 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094163.D
Acq: 3 Oct 2017 20:26

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.9	44.9
170	24.4	21.8	32.8

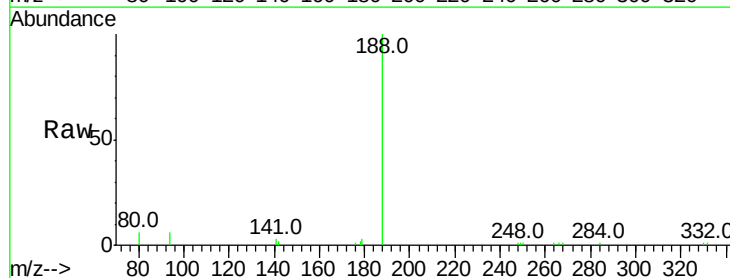


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

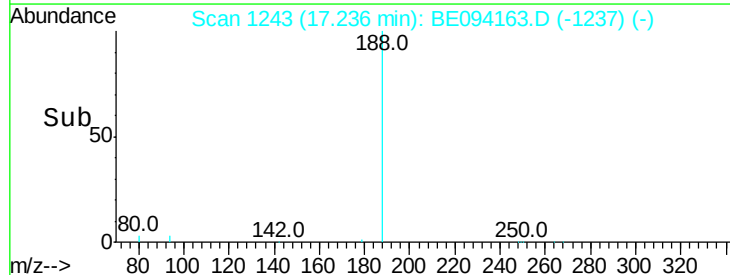
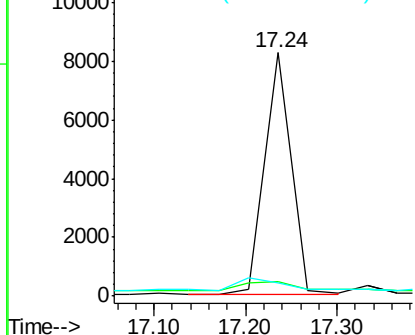


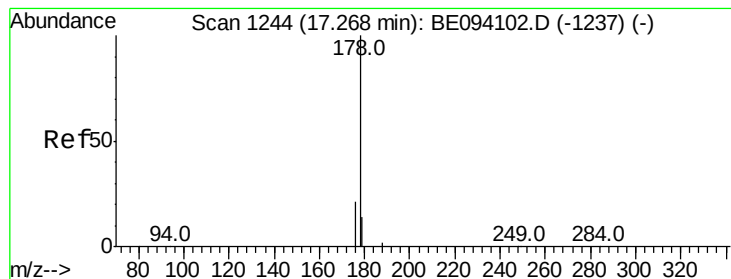
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094163.D
Acq: 3 Oct 2017 20:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	3.9	5.9
80	5.7	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: 0.052 ng m

RT: 17.27 min Scan# 1244

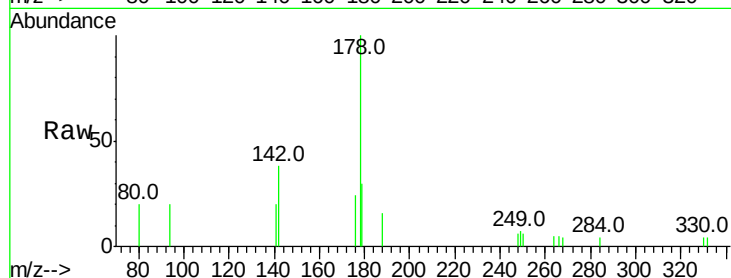
Delta R.T. 0.00 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

Tot Ion:178 Resp: 2222

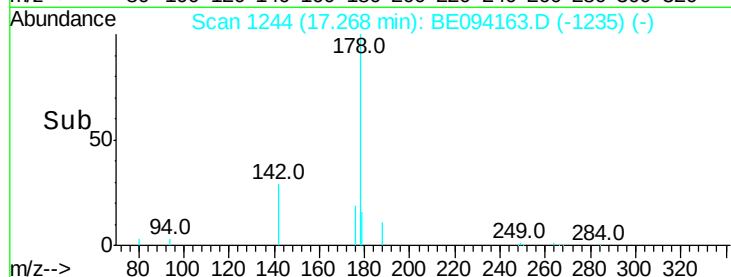
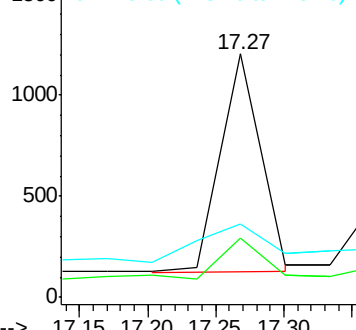
Ion	Ratio	Lower	Upper
178	100		
176	23.8	15.1	22.7#
179	32.0	11.8	17.6#



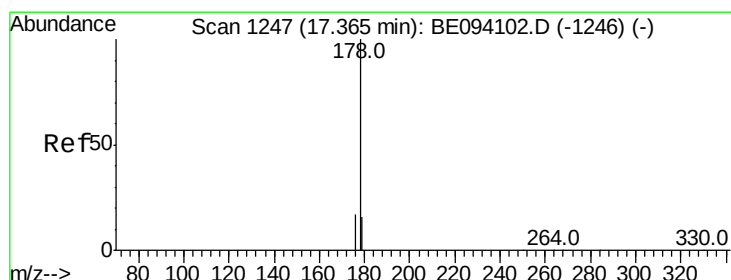
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.15 17.20 17.25 17.30



#24

Anthracene

Concen: 0.023 ng

RT: 17.37 min Scan# 1247

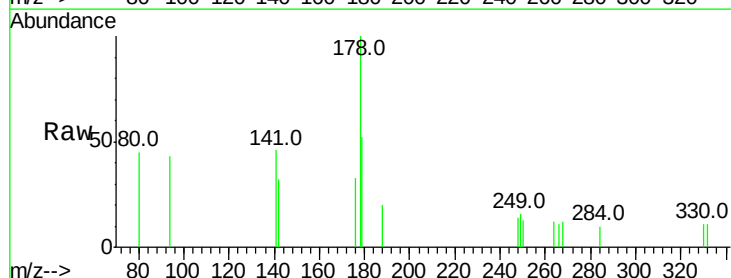
Delta R.T. 0.00 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

Tgt Ion:178 Resp: 1025

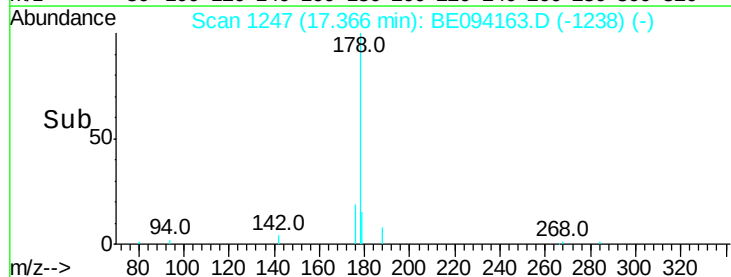
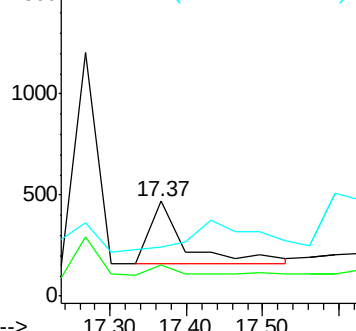
Ion	Ratio	Lower	Upper
178	100		
176	12.8	12.8	19.2#
179	0.0	13.0	19.6#



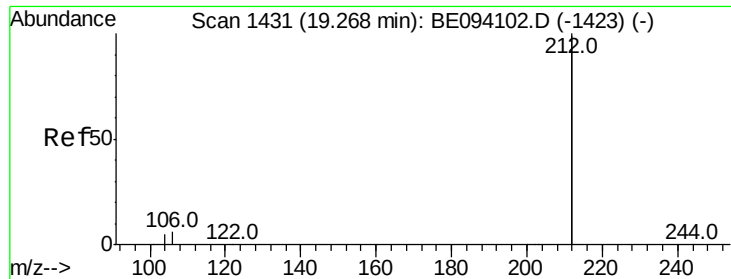
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.30 17.40 17.50



#25

Fluoranthene-d10

Concen: 0.000 ng

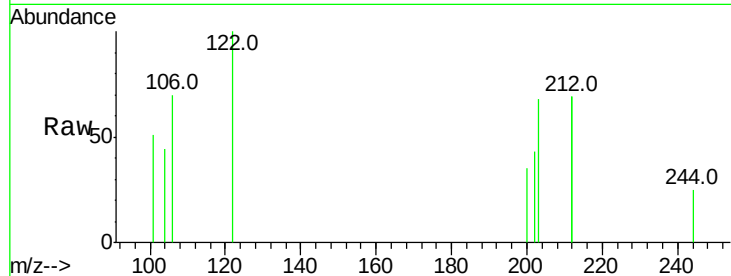
RT: 19.26 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

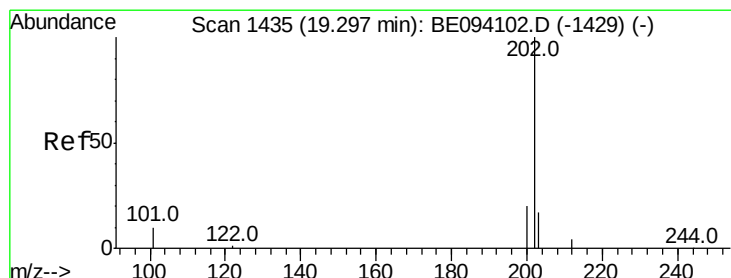
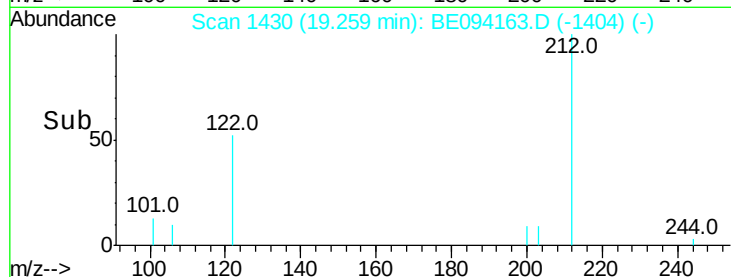
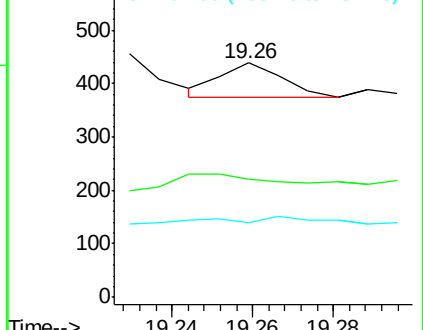
Tot Ion:212	Resp:	69	
Ion Ratio	Lower	Upper	
212 100			
106 150.7	2.8	4.2#	
104 10.1	1.6	2.4#	



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: 0.061 ng

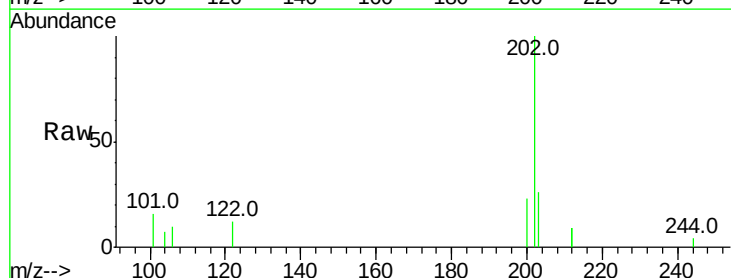
RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

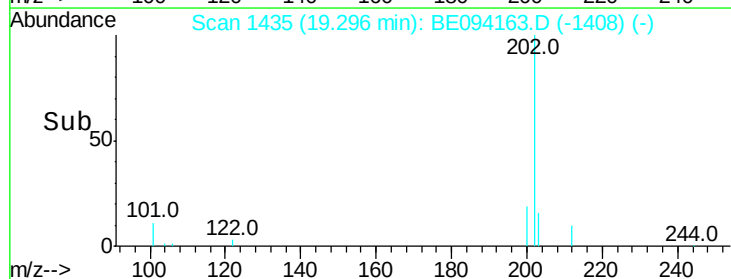
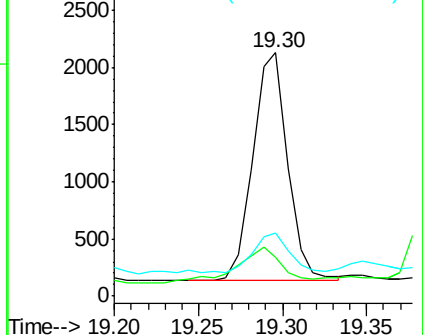
Tgt	Ion:202	Resp:	2886
Ion	Ratio	Lower	Upper
202	100		
101	20.5	9.8	14.8#
203	17.4	13.7	20.5

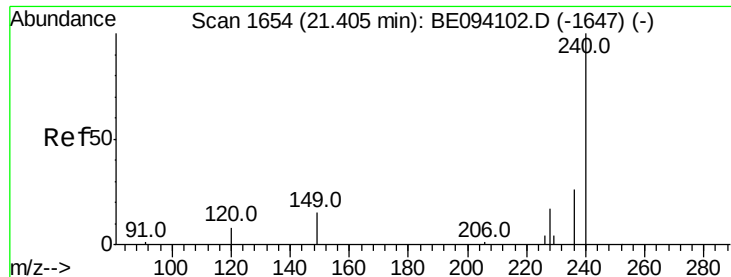


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE094163.D

Acq: 3 Oct 2017 20:26

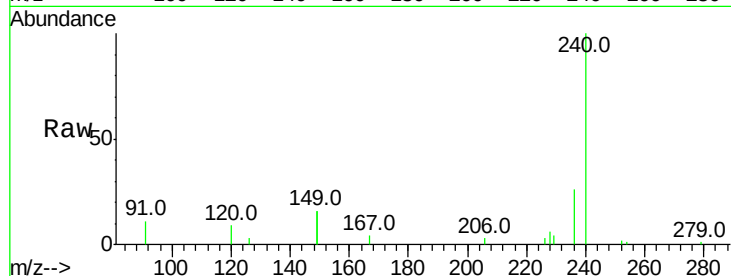
Tot Ion:240 Resp: 14796

Ion Ratio Lower Upper

240 100

120 9.3 5.5 8.3#

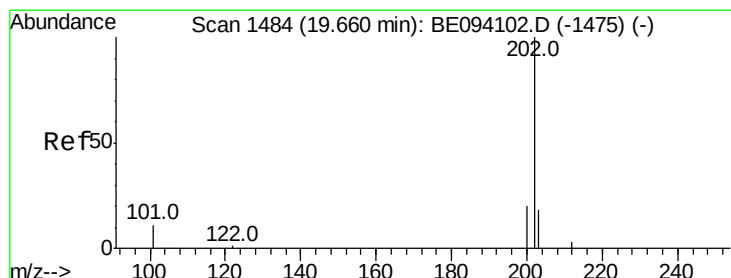
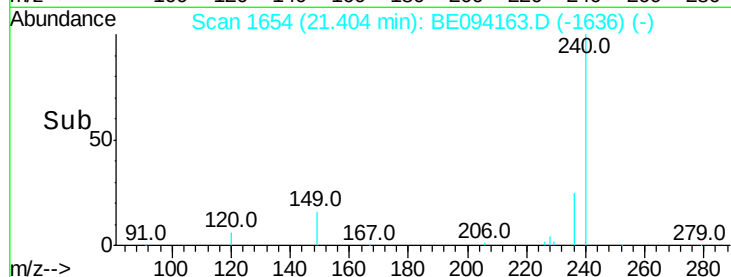
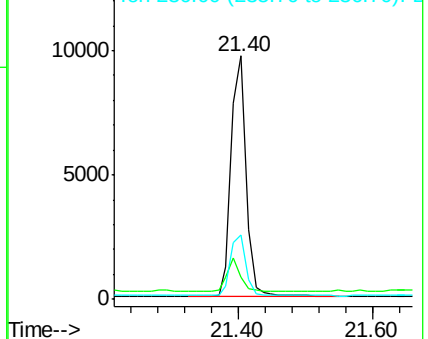
236 26.3 20.7 31.1



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: 0.094 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

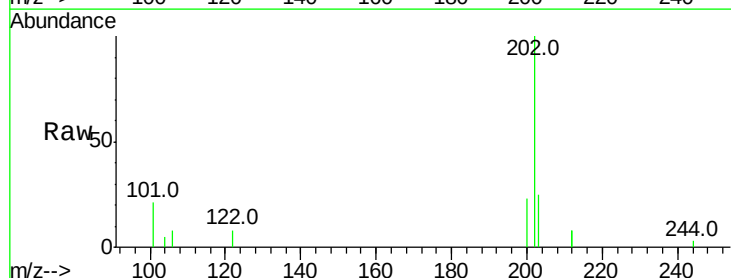
Tgt Ion:202 Resp: 4411

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

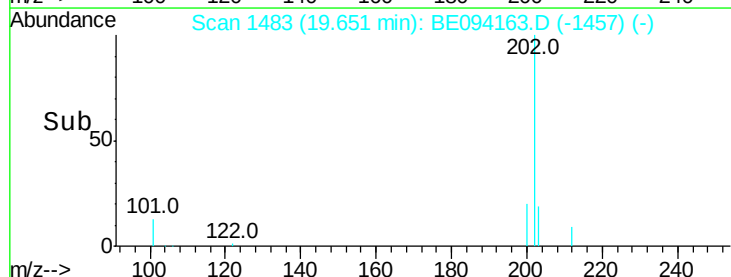
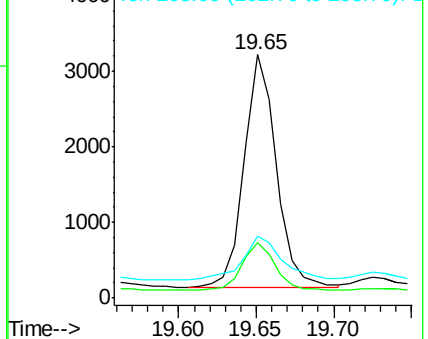
203 24.0 13.8 20.8#

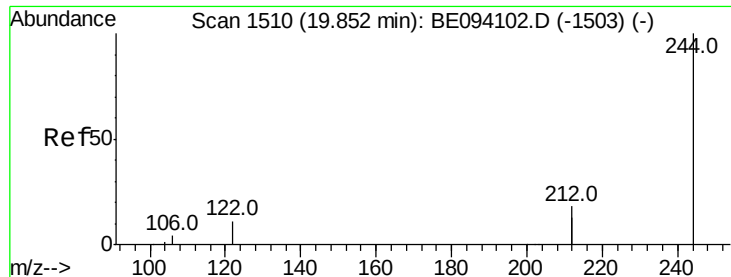


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 49.438 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

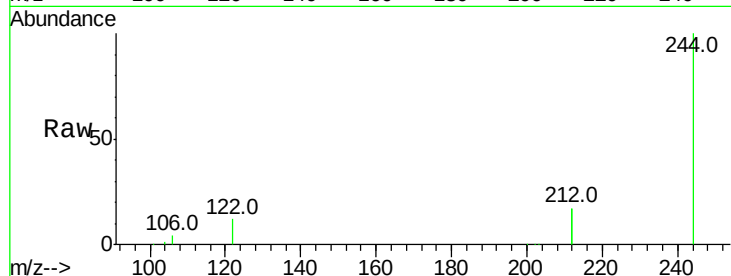
Tot Ion:244 Resp: 1334597

Ion	Ratio	Lower	Upper
244	100		
212	33.7	25.4	38.0
122	11.5	8.1	12.1

244 100

212 33.7 25.4 38.0

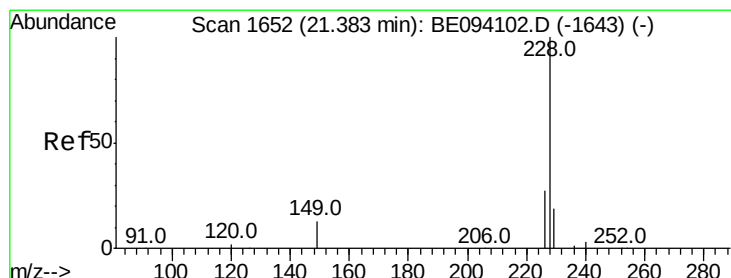
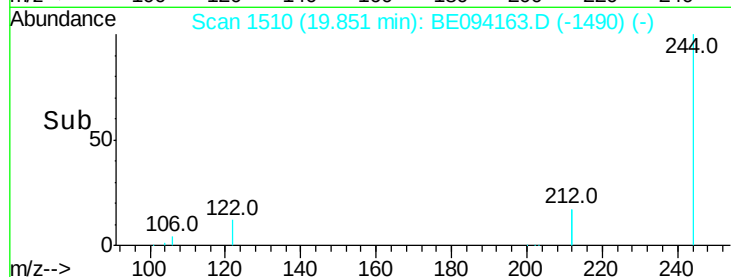
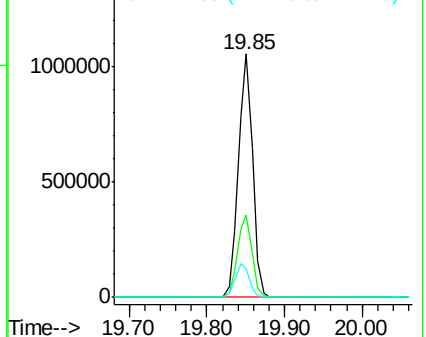
122 11.5 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.038 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094163.D

Acq: 3 Oct 2017 20:26

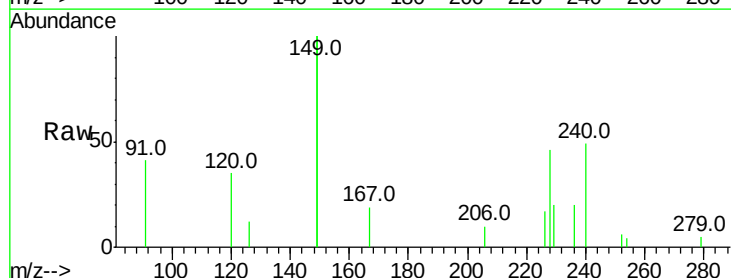
Tgt Ion:228 Resp: 1912

Ion	Ratio	Lower	Upper
228	100		
226	36.3	21.4	32.0#
229	44.1	16.4	24.6#

228 100

226 36.3 21.4 32.0#

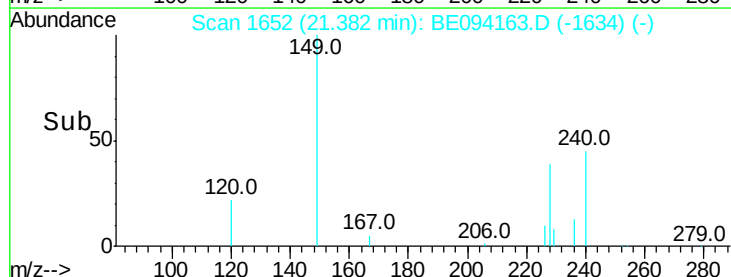
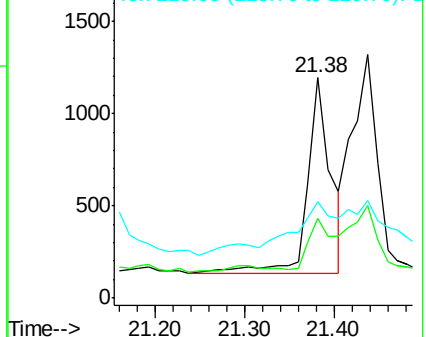
229 44.1 16.4 24.6#

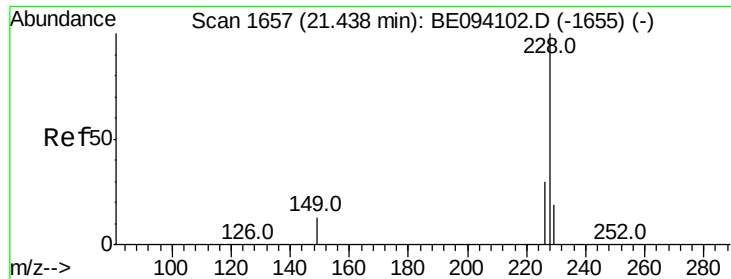


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

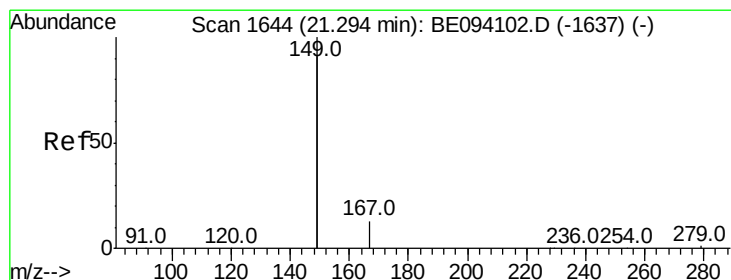
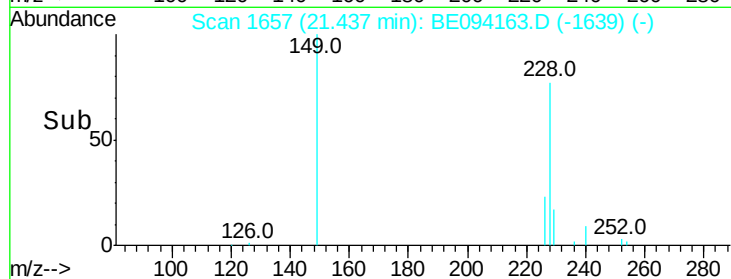
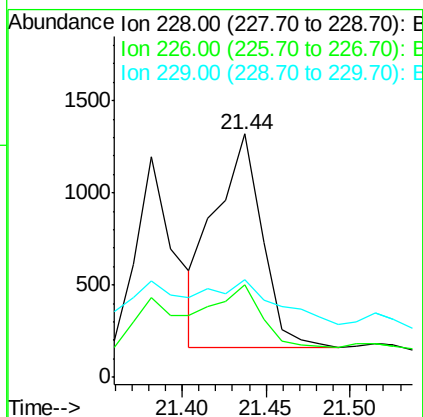
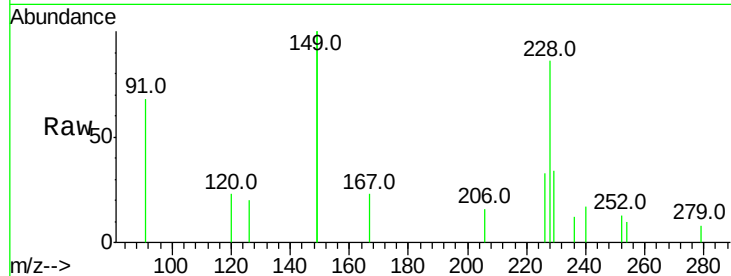
Ion 229.00 (228.70 to 229.70): E





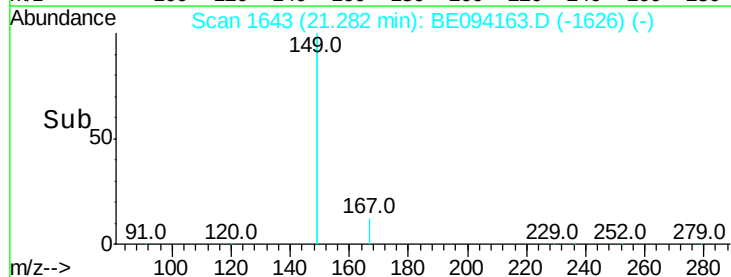
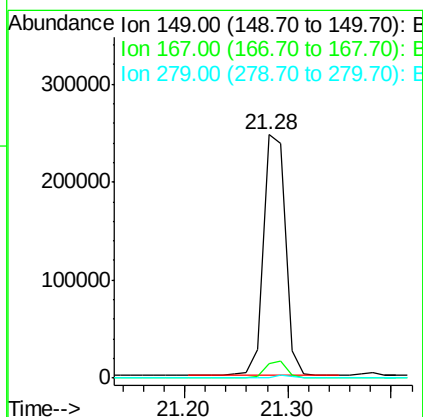
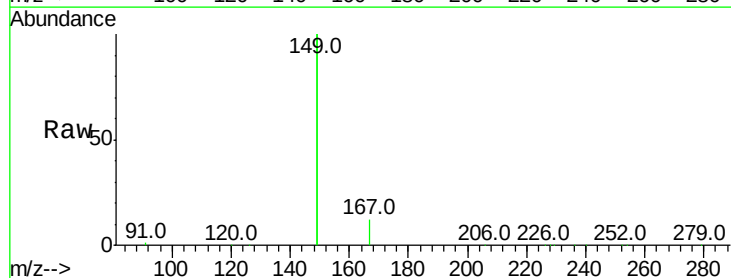
#31
 Chrysene
 Concen: 0.047 ng
 RT: 21.44 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: BE094163.D
 Acq: 3 Oct 2017 20:26

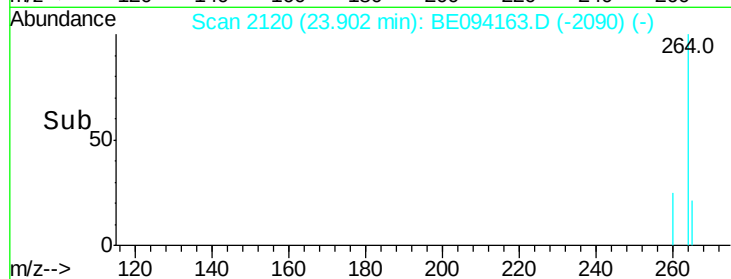
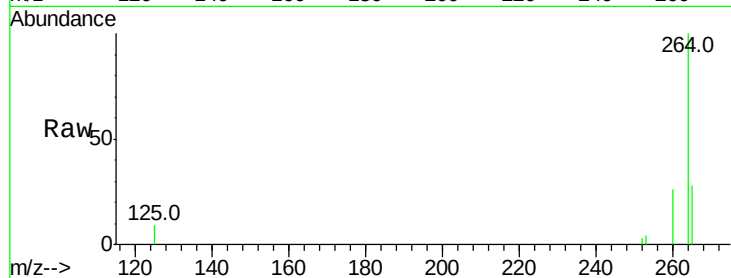
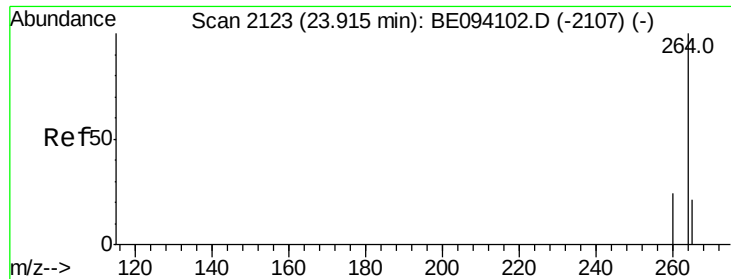
Tot Ion: 228 Resp: 2255
 Ion Ratio Lower Upper
 228 100
 226 38.2 23.6 35.4#
 229 40.0 16.4 24.6#



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.892 ng
 RT: 21.28 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BE094163.D
 Acq: 3 Oct 2017 20:26

Tgt Ion: 149 Resp: 358766
 Ion Ratio Lower Upper
 149 100
 167 6.7 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: BE094163.D
 Acq: 3 Oct 2017 20:26

Tot Ion:264	Resp:	14020
Ion Ratio	Lower	Upper
264	100	
260	25.8	20.5 30.7
265	28.0	22.8 34.2

