

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092817\
 Data File : BE094140.D
 Acq On : 28 Sep 2017 21:20
 Operator : SJ/JU
 Sample : I5457-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 29 01:51:00 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

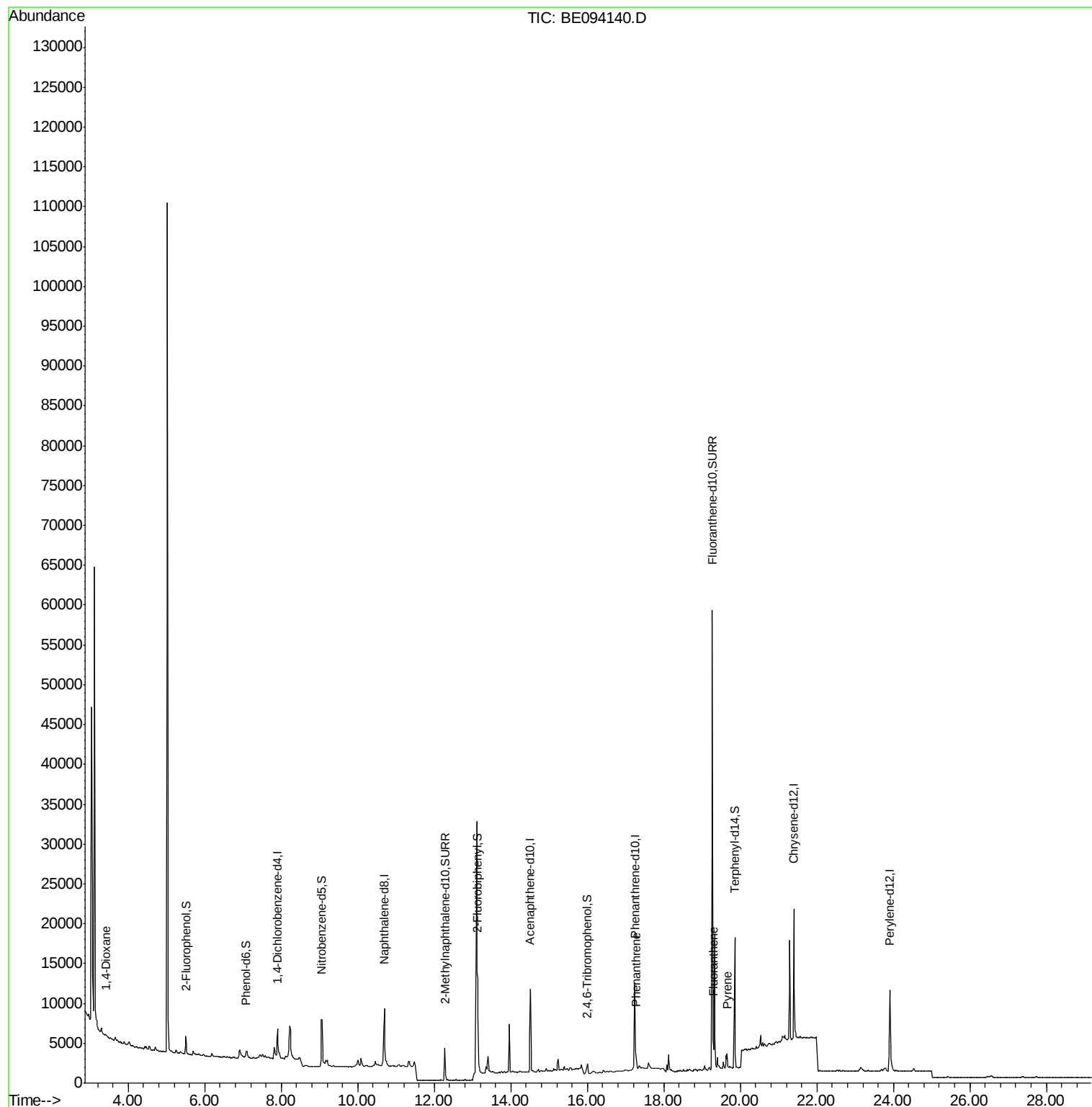
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1830	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8963	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5871	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	20548	0.40	ng	0.00
27) Chrysene-d12	21.40	240	16365	0.40	ng	0.00
34) Perylene-d12	23.91	264	15615	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1231	0.18	ng	0.00
5) Phenol-d6	7.09	99	1096	0.11	ng	0.00
8) Nitrobenzene-d5	9.06	82	3218	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	6045	0.44	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1220	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	11211	0.58	ng	0.00
25) Fluoranthene-d10	19.27	212	81286	0.41	ng	0.00
29) Terphenyl-d14	19.85	244	14929	0.50	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.41	88	222	0.062	ng	# 57
23) Phenanthrene	17.27	178	3470	0.066	ng	# 94
26) Fluoranthene	19.30	202	1723	0.029	ng	# 85
28) Pyrene	19.65	202	1570	0.030	ng	# 88
32) Bis(2-ethylhexyl)phthalate	21.29	149	14152	Below Cal		99

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

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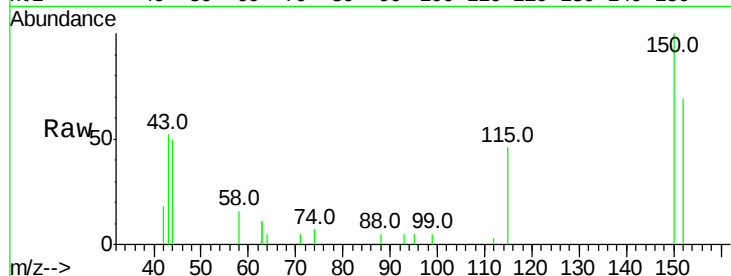


#1

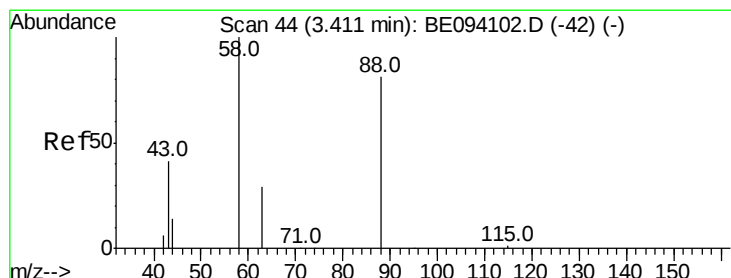
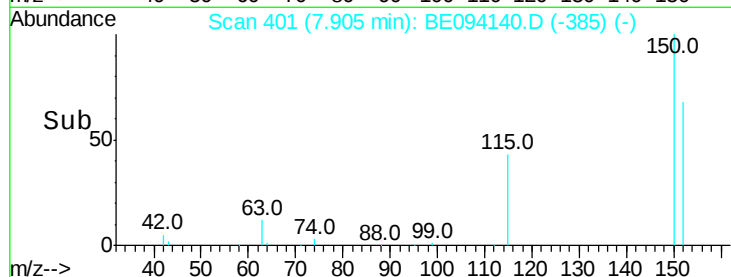
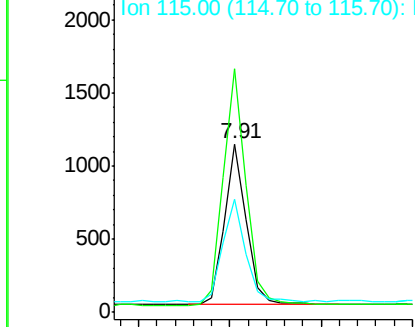
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094140.D
Acq: 28 Sep 2017 21:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1830
Ion Ratio Lower Upper
152 100
150 144.8 117.2 175.8
115 67.1 57.0 85.6



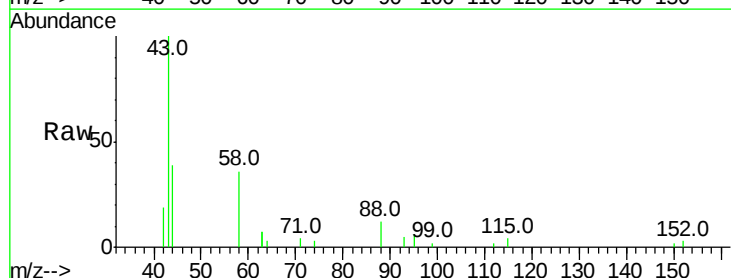
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



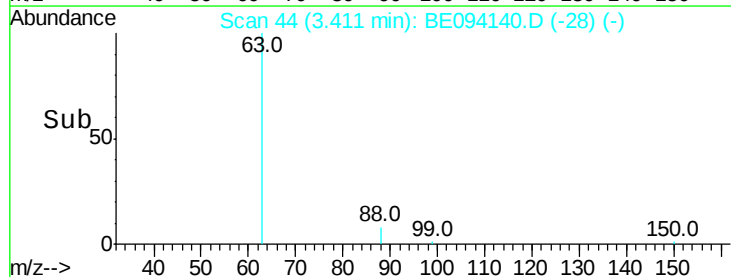
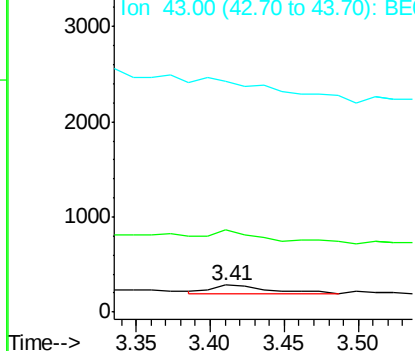
#2

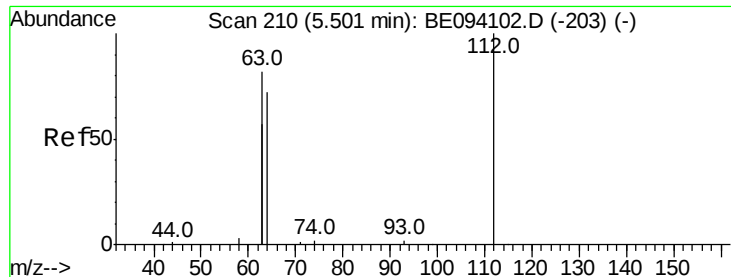
1,4-Dioxane
Concen: 0.062 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE094140.D
Acq: 28 Sep 2017 21:20

Tgt Ion: 88 Resp: 222
Ion Ratio Lower Upper
88 100
58 99.1 63.2 94.8#
43 0.0 41.2 61.8#



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





#4

2-Fluorophenol

Concen: 0.177 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

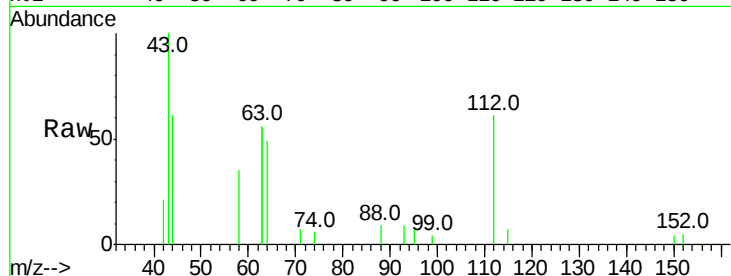
Tot Ion: 112 Resp: 1231

Ion Ratio Lower Upper

112 100

64 79.0 60.1 90.1

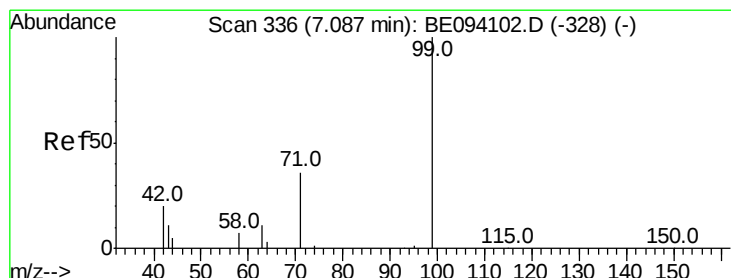
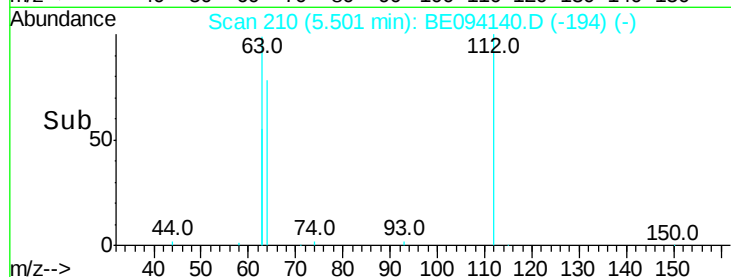
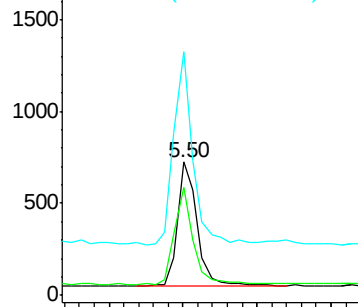
63 150.9 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.114 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

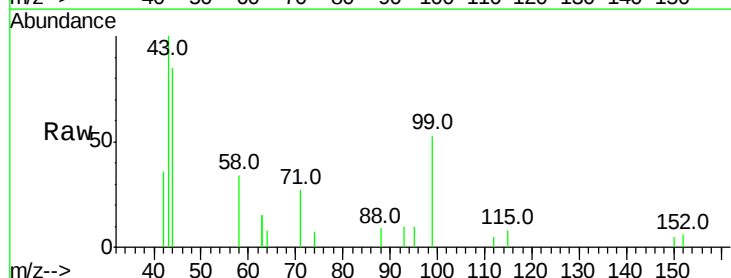
Tgt Ion: 99 Resp: 1096

Ion Ratio Lower Upper

99 100

42 18.4 20.2 30.2#

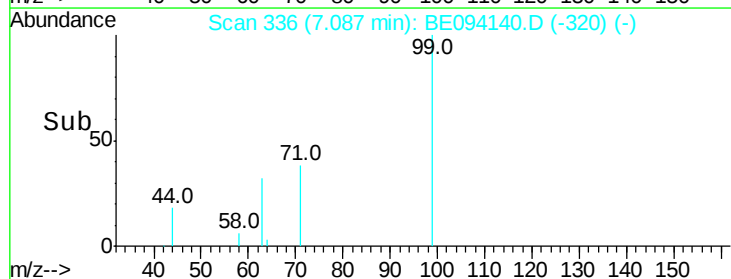
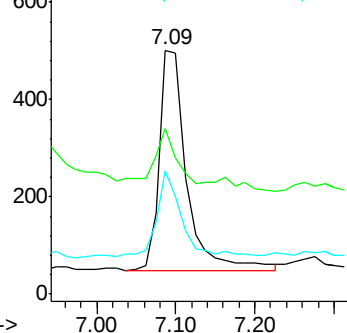
71 39.3 28.4 42.6

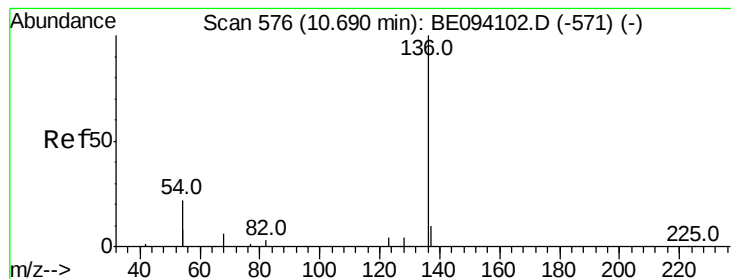


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE094140.D

Acq: 28 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 8963

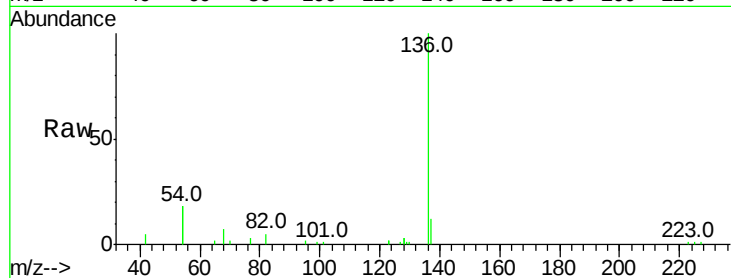
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 35.1 29.1 43.7

68 7.5 6.2 9.2

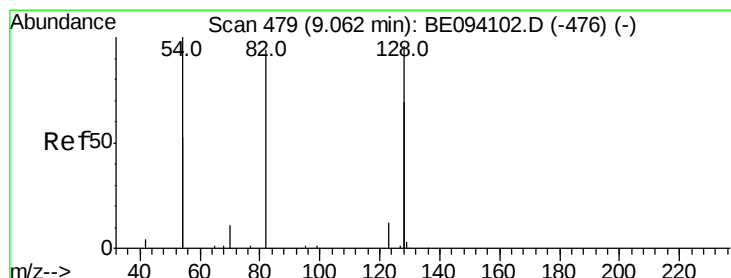
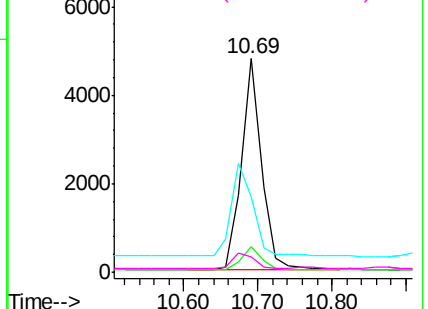
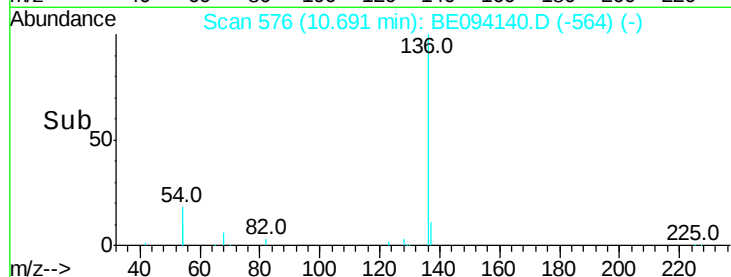


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

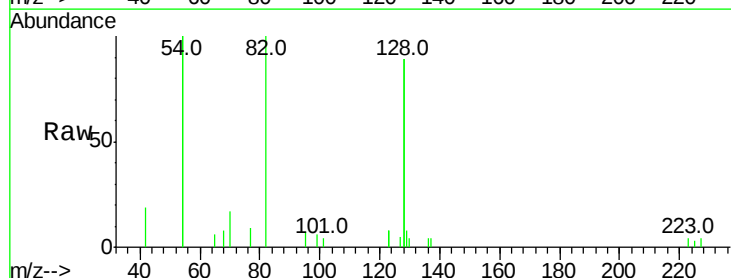
Tgt Ion: 82 Resp: 3218

Ion Ratio Lower Upper

82 100

128 177.5 150.0 225.0

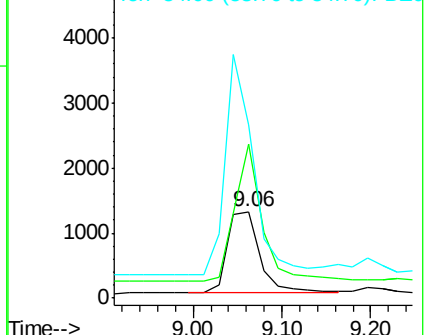
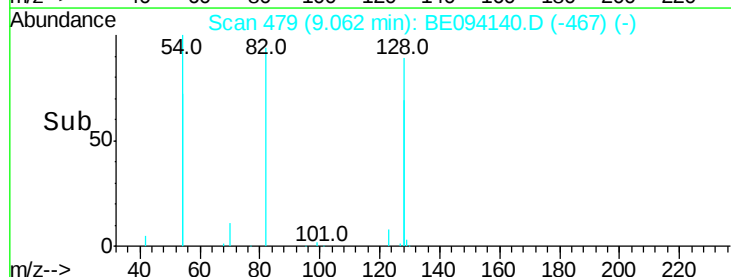
54 200.0 154.2 231.4

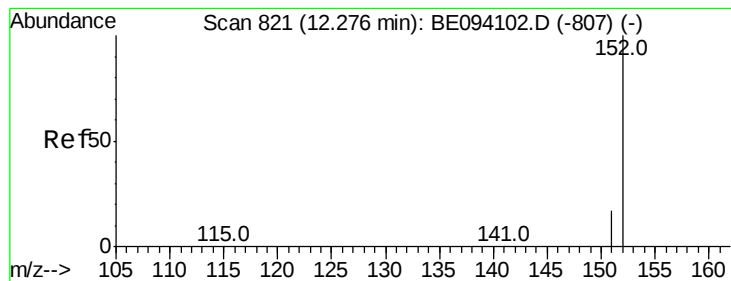


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.438 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

Instrument :

BNA_E

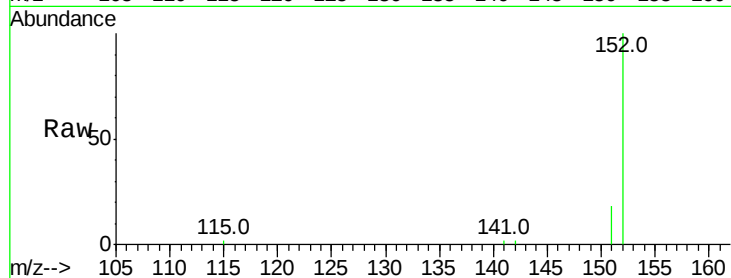
ClientSampleId :

Tot Ion:152 Resp: 6045

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

4000

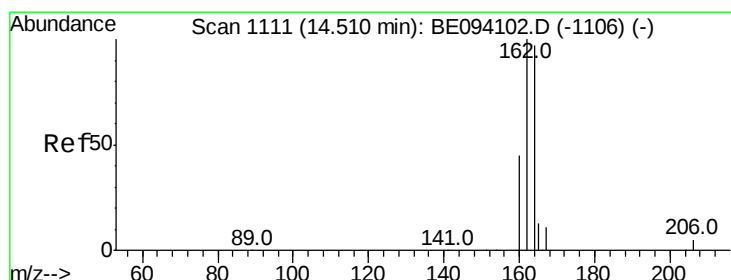
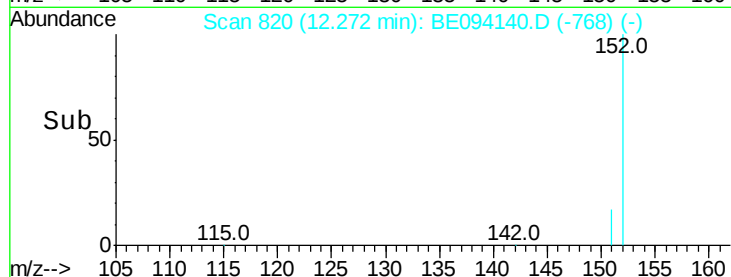
3000

2000

1000

0

Time--> 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

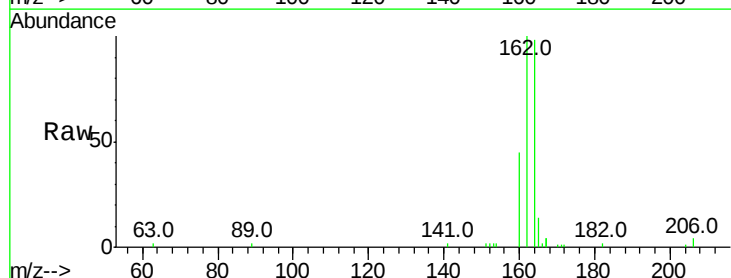
Tgt Ion:164 Resp: 5871

Ion Ratio Lower Upper

164 100

162 102.5 83.1 124.7

160 46.6 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

14.51

5000

4000

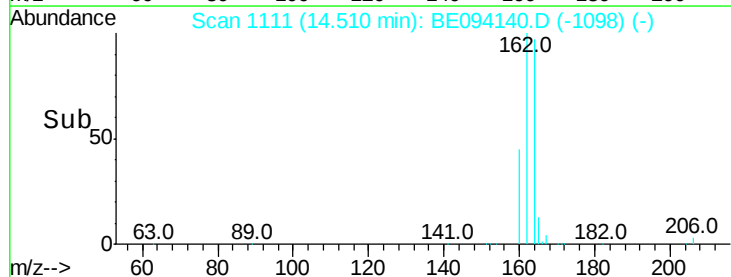
3000

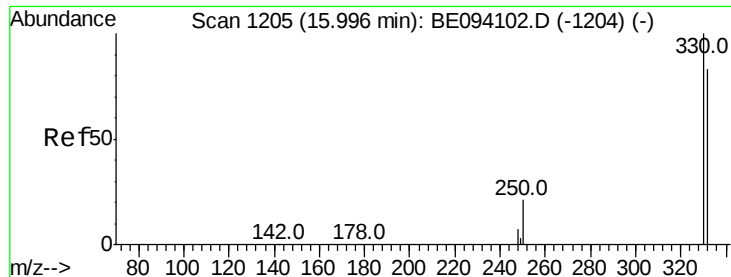
2000

1000

0

Time--> 14.40 14.60

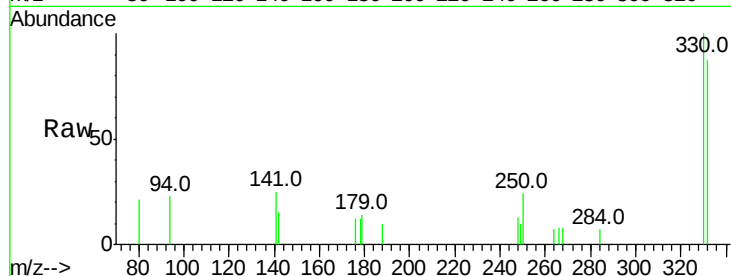




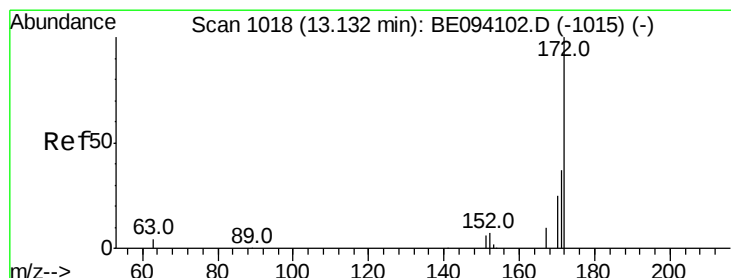
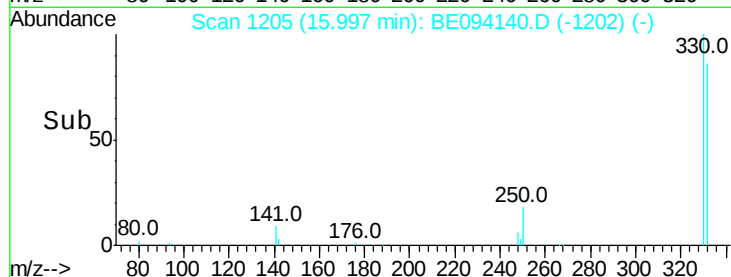
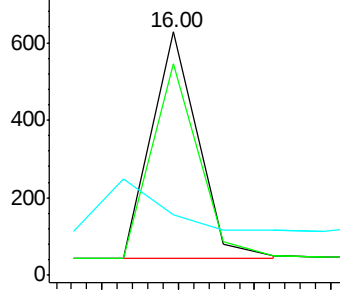
#14
 2,4,6-Tribromophenol
 Concen: 0.358 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094140.D
 Acq: 28 Sep 2017 21:20

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 1220
 Ion Ratio Lower Upper
 330 100
 332 88.5 152.7 229.1#
 141 0.0 33.7 50.5#

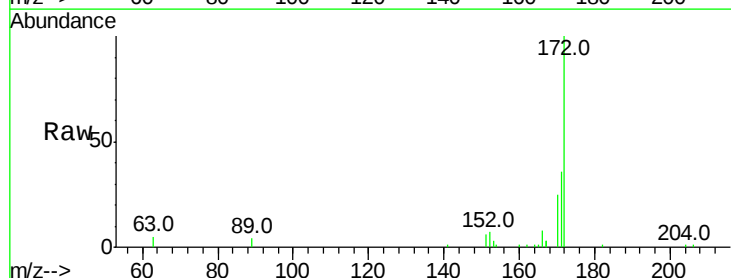


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

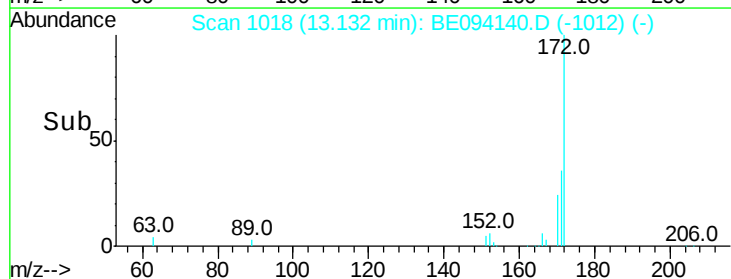
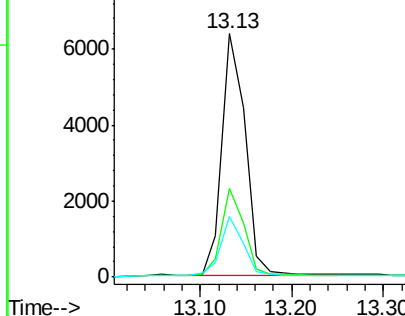


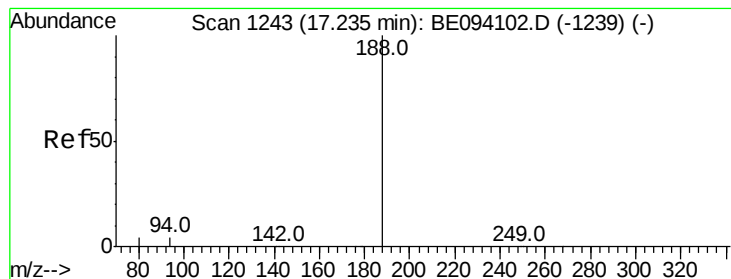
#15
 2-Fluorobiphenyl
 Concen: 0.578 ng
 RT: 13.13 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BE094140.D
 Acq: 28 Sep 2017 21:20

Tgt Ion:172 Resp: 11211
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.9 44.9
 170 24.8 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: BE094140.D

Acq: 28 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

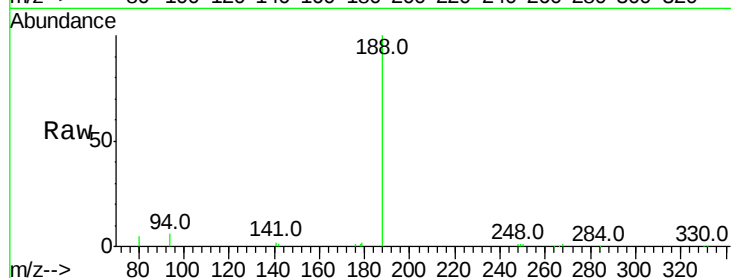
Tot Ion:188 Resp: 20548

Ion Ratio Lower Upper

188 100

94 5.8 3.9 5.9

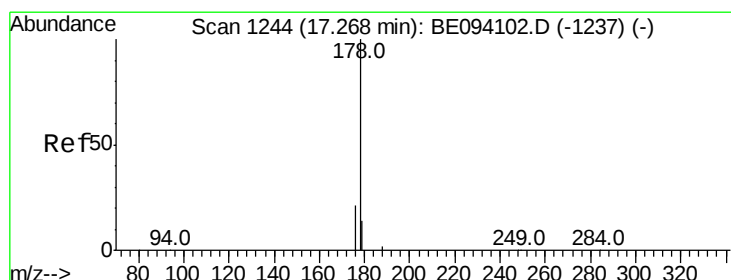
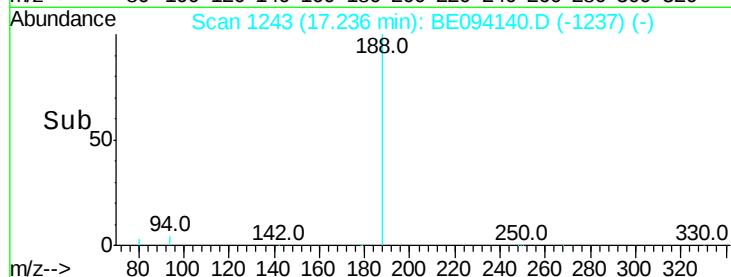
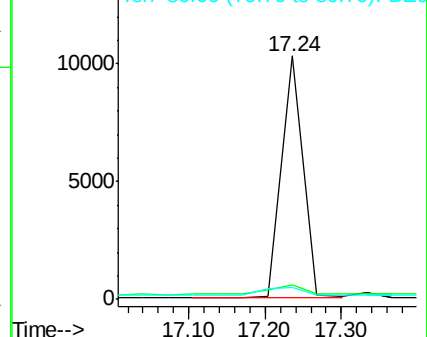
80 5.0 3.6 5.4



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: 0.066 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

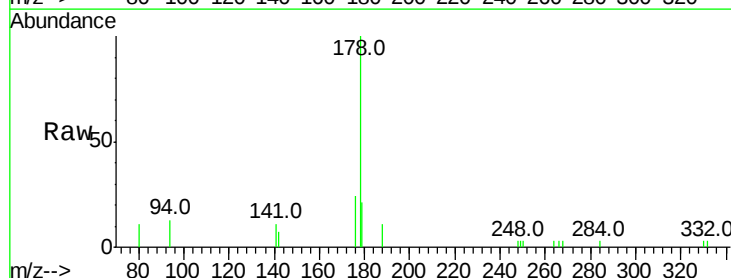
Tgt Ion:178 Resp: 3470

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

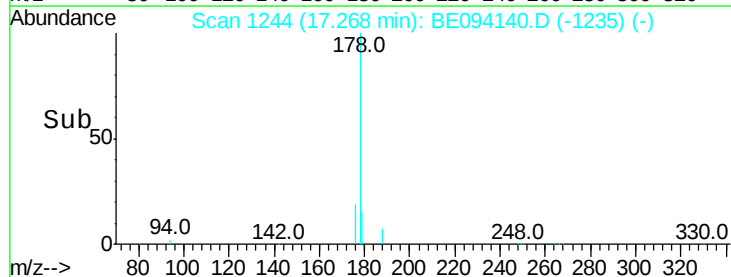
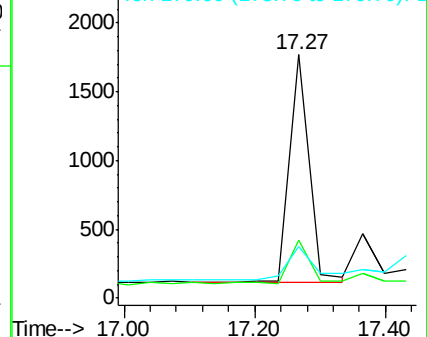
179 20.3 11.8 17.6#

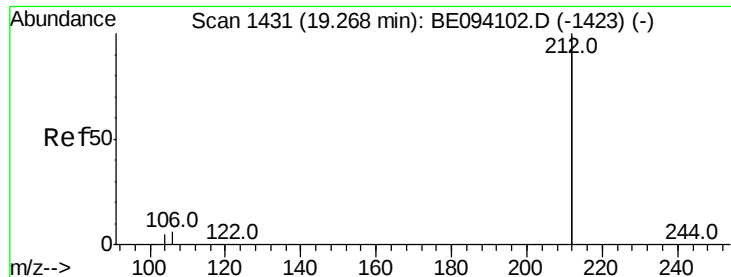


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.409 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

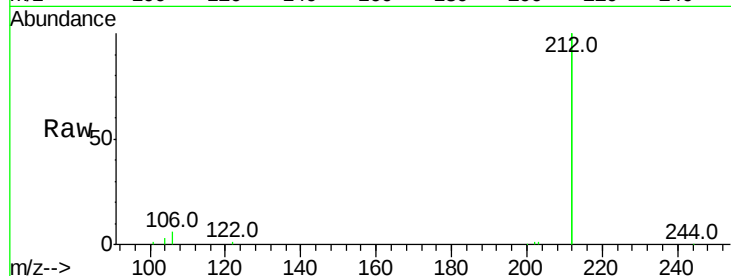
Tot Ion:212 Resp: 81286

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

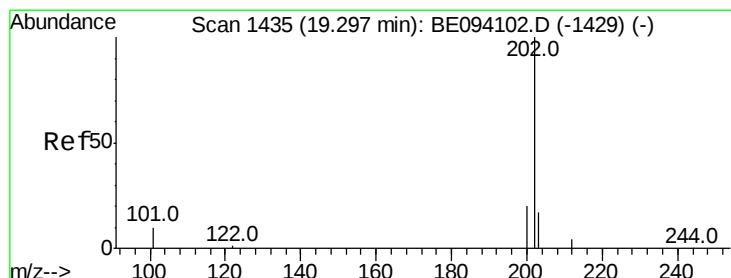
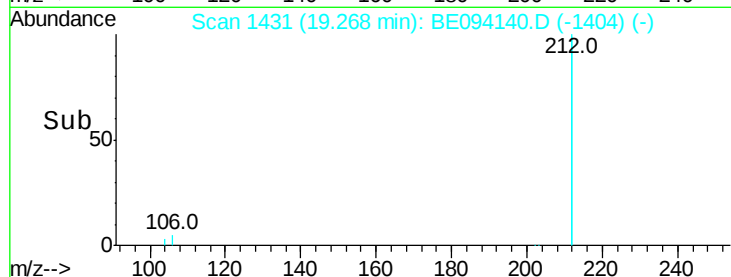
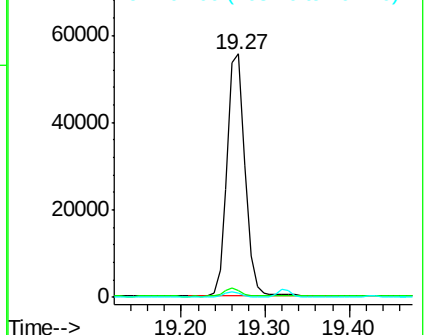
104 2.0 1.6 2.4



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: 0.029 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

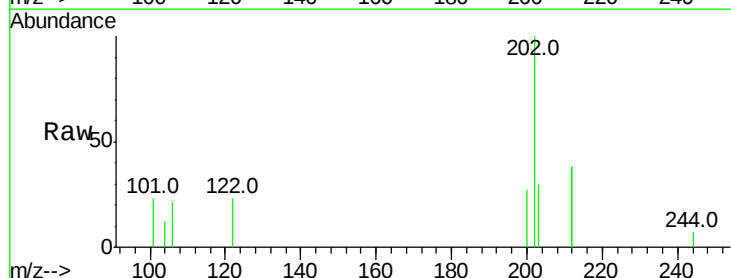
Tgt Ion:202 Resp: 1723

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

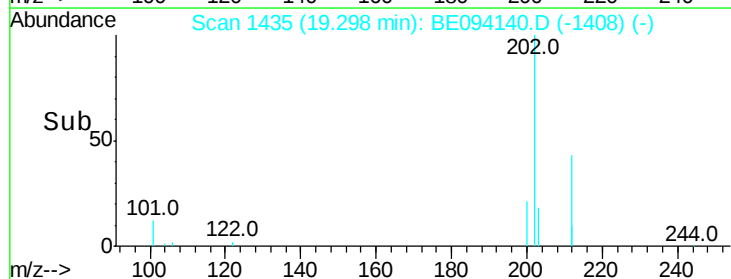
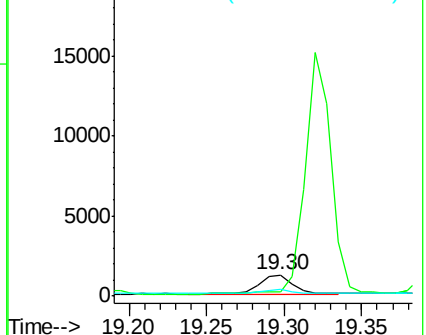
203 18.6 13.7 20.5

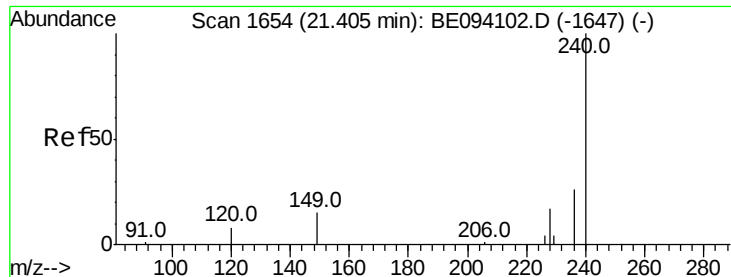


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

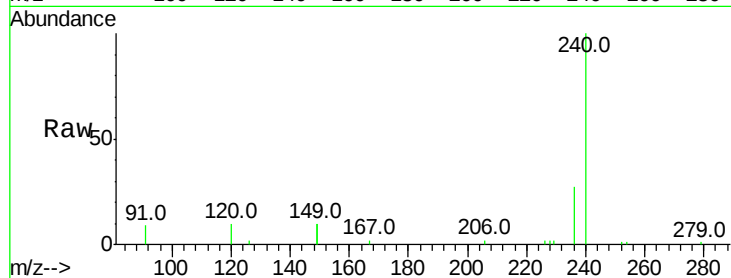
Tot Ion:240 Resp: 16365

Ion Ratio Lower Upper

240 100

120 10.1 5.5 8.3#

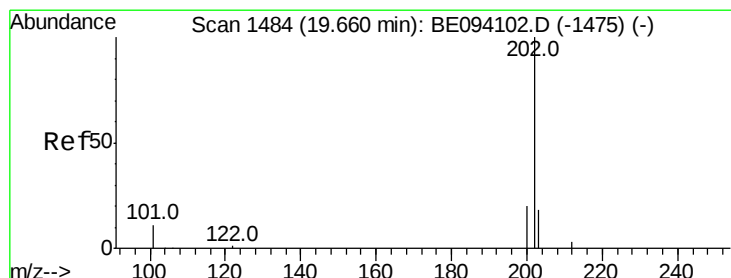
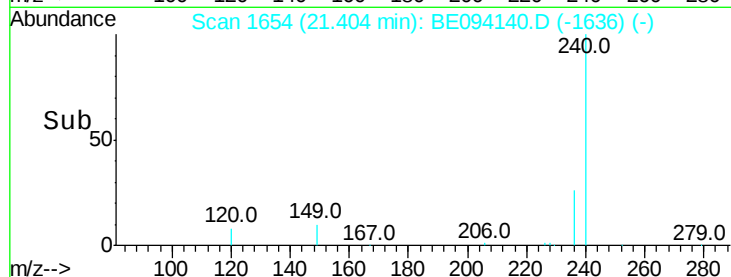
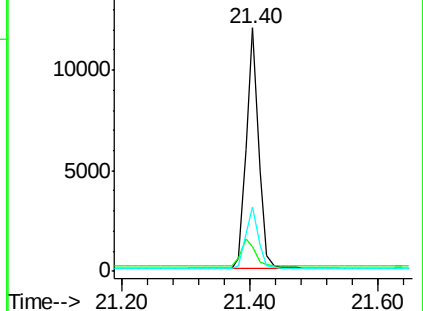
236 26.6 20.7 31.1



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: 0.030 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

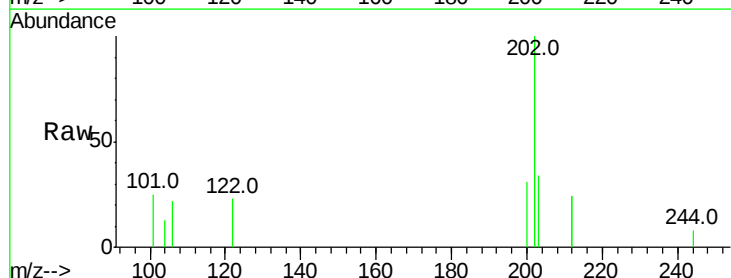
Tgt Ion:202 Resp: 1570

Ion Ratio Lower Upper

202 100

200 22.7 16.6 25.0

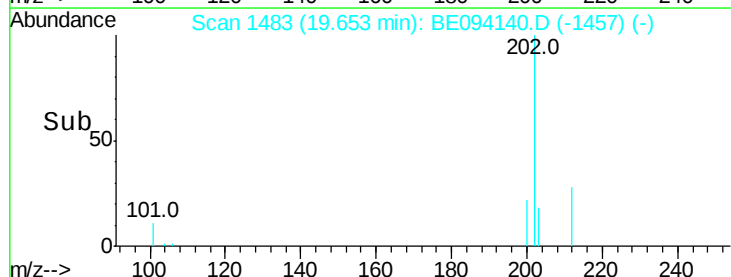
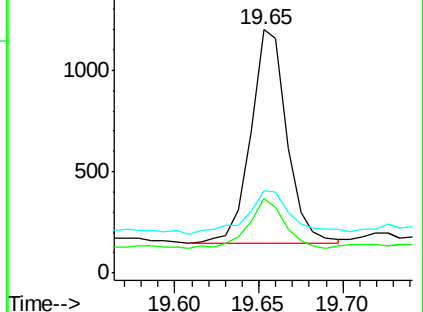
203 26.6 13.8 20.8#

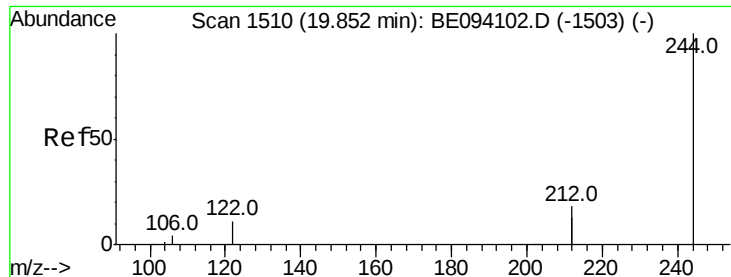


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

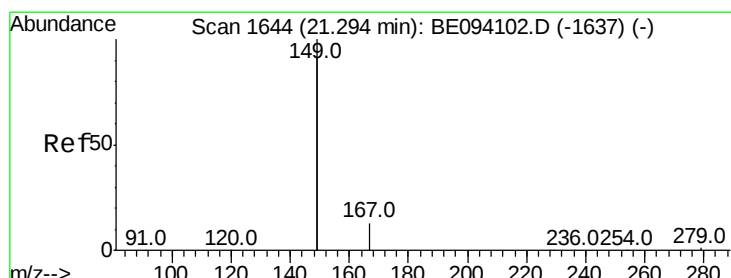
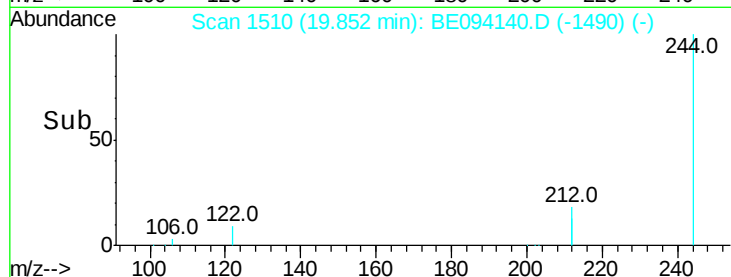
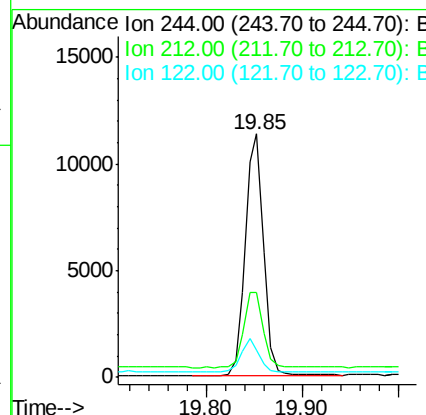
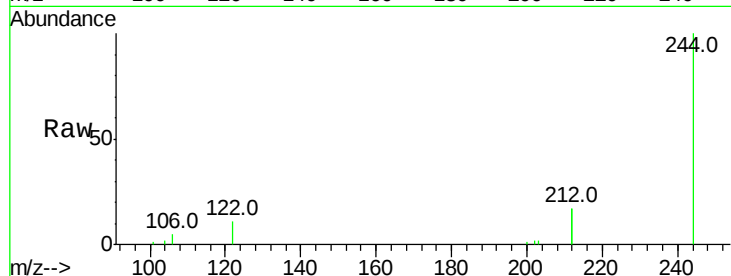




#29
 Terphenyl-d14
 Concen: 0.500 ng
 RT: 19.85 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: BE094140.D
 Acq: 28 Sep 2017 21:20

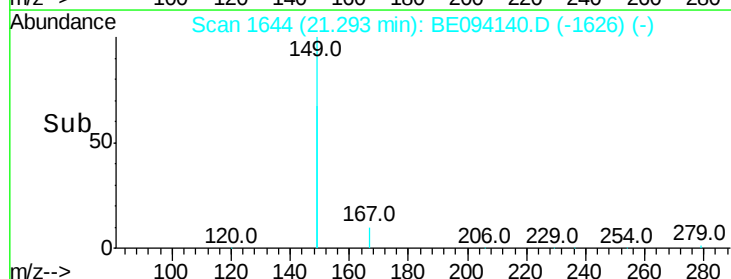
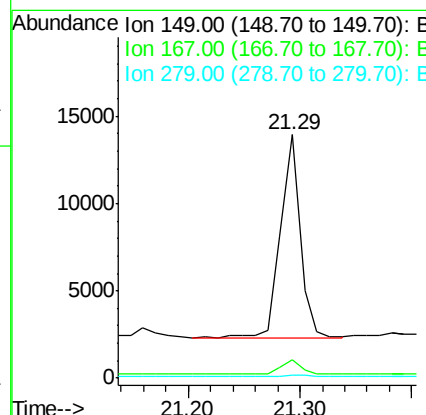
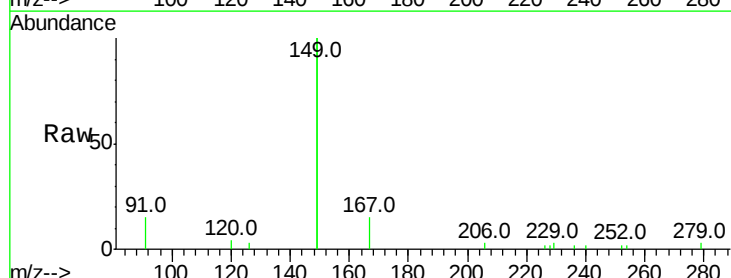
Instrument :
 BNA_E
 ClientSampleId :

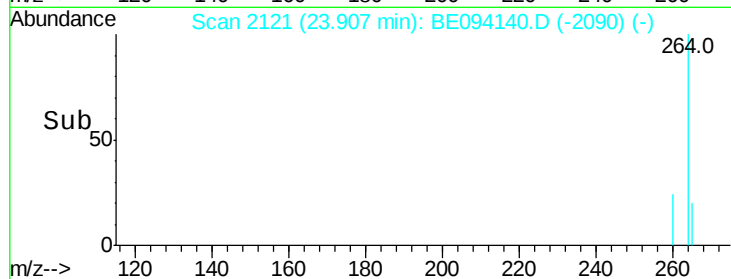
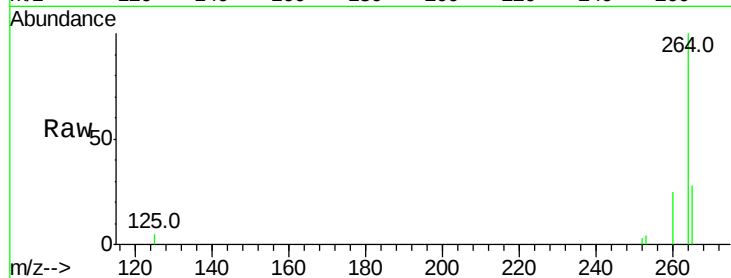
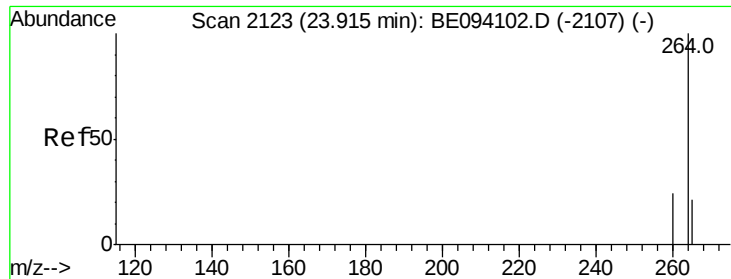
Tot Ion:244 Resp: 14929
 Ion Ratio Lower Upper
 244 100
 212 34.8 25.4 38.0
 122 11.3 8.1 12.1



#32
 Bis(2-ethylhexyl)phthalate
 Concen: Below Cal
 RT: 21.29 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BE094140.D
 Acq: 28 Sep 2017 21:20

Tgt Ion:149 Resp: 14152
 Ion Ratio Lower Upper
 149 100
 167 7.2 5.4 8.0
 279 1.0 0.7 1.1





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE094140.D

Acq: 28 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 15615

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 27.9 22.8 34.2

