

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112717\
 Data File : BE094867.D
 Acq On : 27 Nov 2017 11:59
 Operator : SJ/JU
 Sample : PB104402BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104402BL

Quant Time: Nov 27 15:26:36 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	431	0.40	ng	0.05
7) Naphthalene-d8	10.77	136	2709	0.40	ng	0.07
13) Acenaphthene-d10	14.54	164	1818	0.40	ng	0.03
19) Phenanthrene-d10	17.27	188	5501	0.40	ng	0.03
27) Chrysene-d12	21.45	240	6338	0.40	ng	0.02
34) Perylene-d12	23.98	264	6040	0.40	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.63	112	365	0.25	ng	0.10
5) Phenol-d6	7.34	99	595	0.27	ng	0.20
8) Nitrobenzene-d5	9.01	82	6	0.00	ng	-0.07
11) 2-Methylnaphthalene-d10	12.37	152	1550	0.36	ng	0.08
14) 2,4,6-Tribromophenol	16.10	330	135	0.27	ng	0.07
15) 2-Fluorobiphenyl	13.21	172	1942	0.30	ng	0.06
25) Fluoranthene-d10	19.30	212	26869	0.40	ng	0.02
29) Terphenyl-d14	19.87	244	4416	0.37	ng	0.00

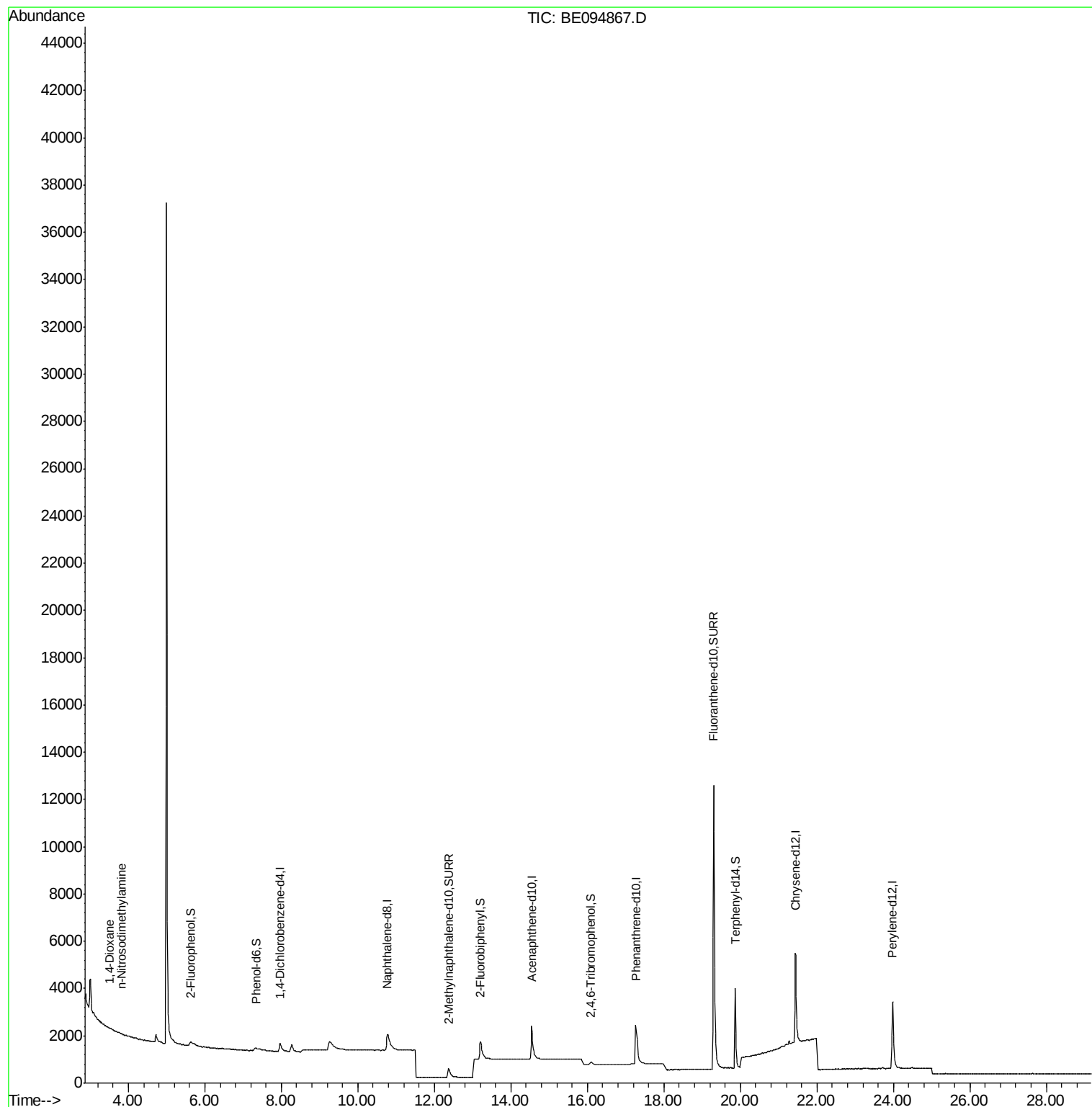
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	15	0.021	ng	# 16
3) n-Nitrosodimethylamine	3.83	42	23	0.033	ng	# 1
23) Phenanthrene	17.30	178	22	Below Cal		# 5
26) Fluoranthene	19.34	202	8	Below Cal		# 72

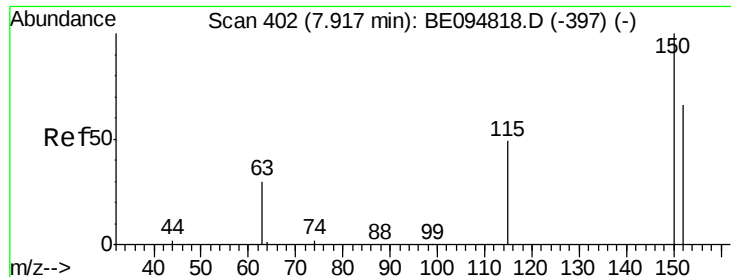
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112717\
Data File : BE094867.D
Acq On : 27 Nov 2017 11:59
Operator : SJ/JU
Sample : PB104402BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB104402BL

Quant Time: Nov 27 15:26:36 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 22:40:47 2017
Response via : Initial Calibration



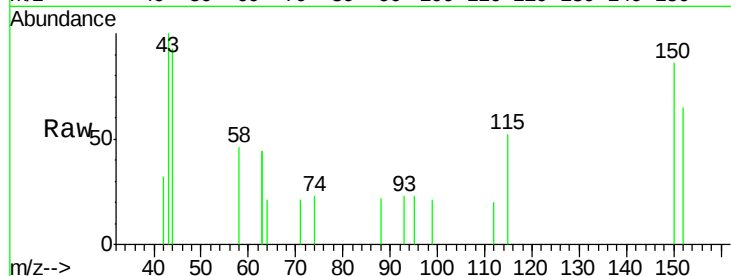


#1

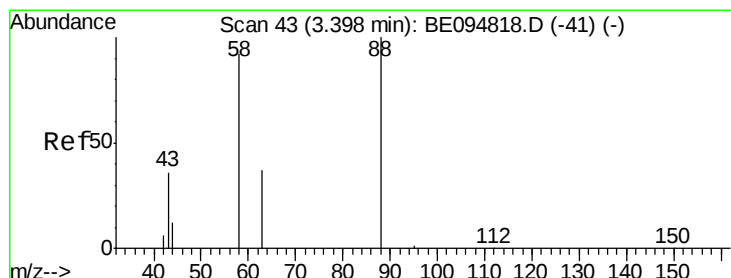
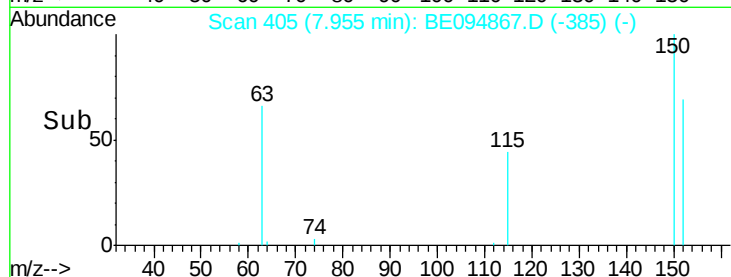
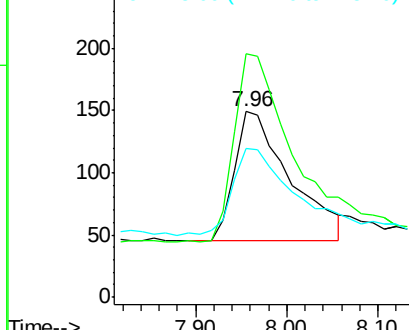
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.96 min Scan# 405
Delta R.T. 0.05 min
Lab File: BE094867.D
Acq: 27 Nov 2017 11:59

Instrument :
BNA_E
ClientSampleId :
PB104402BL

Tgt Ion: 152 Resp: 431
Ion Ratio Lower Upper
152 100
150 131.5 117.2 175.8
115 80.5 57.0 85.6



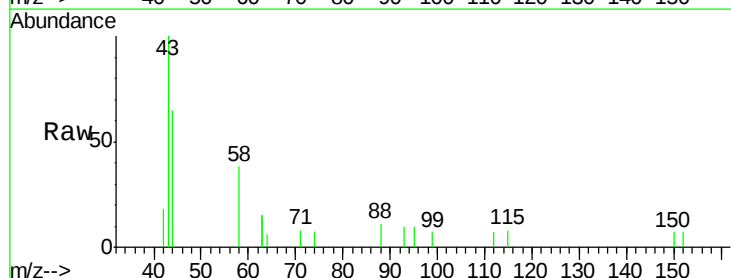
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



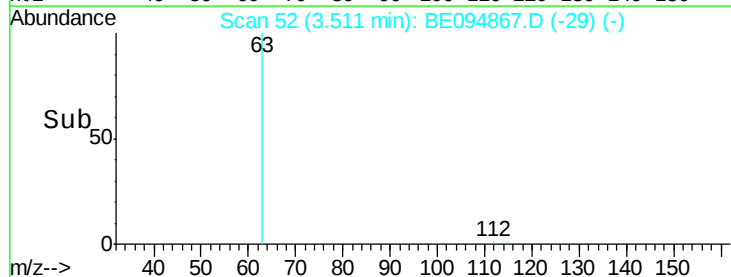
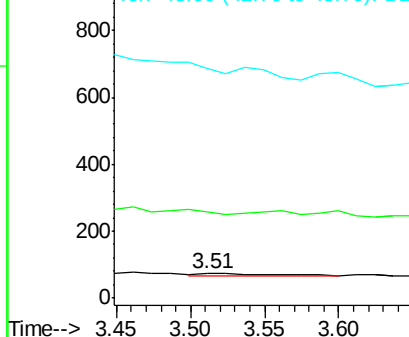
#2

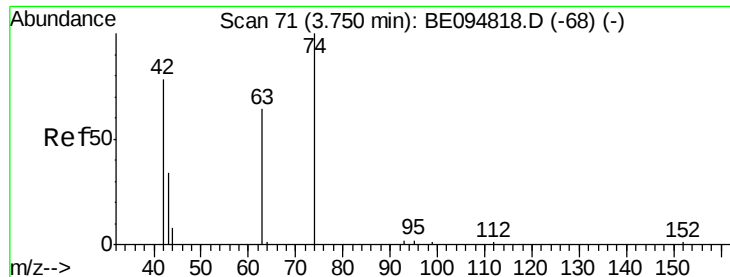
1,4-Dioxane
Concen: 0.021 ng
RT: 3.51 min Scan# 52
Delta R.T. 0.09 min
Lab File: BE094867.D
Acq: 27 Nov 2017 11:59

Tgt Ion: 88 Resp: 15
Ion Ratio Lower Upper
88 100
58 0.0 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





#3

n-Nitrosodimethylamine

Concen: 0.033 ng

RT: 3.83 min Scan# 77

Delta R.T. 0.08 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

Instrument :

BNA_E

ClientSampleId :

PB104402BL

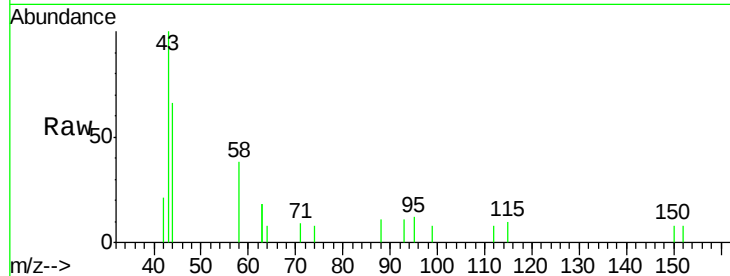
Tgt Ion: 42 Resp: 23

Ion Ratio Lower Upper

42 100

74 0.0 100.3 150.5#

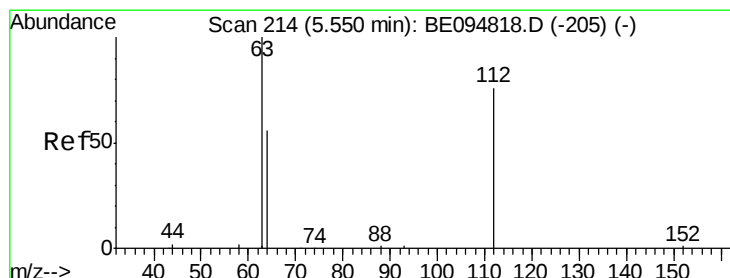
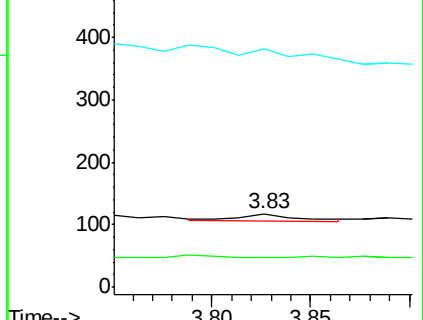
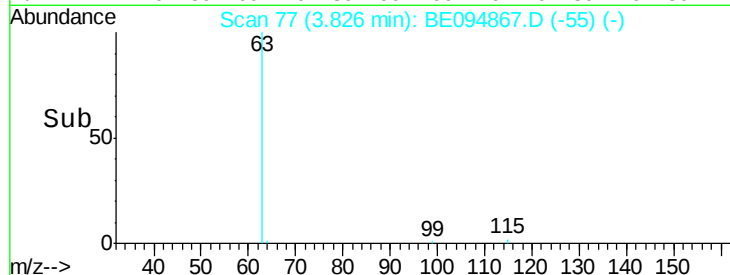
44 0.0 17.0 25.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.247 ng

RT: 5.63 min Scan# 220

Delta R.T. 0.10 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

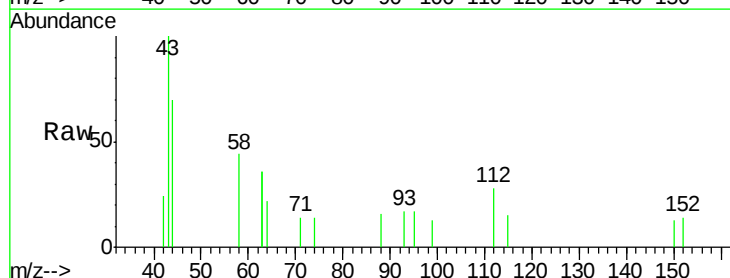
Tgt Ion: 112 Resp: 365

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

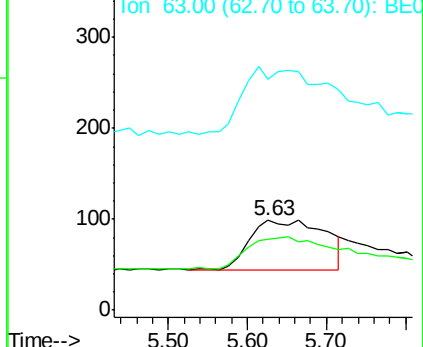
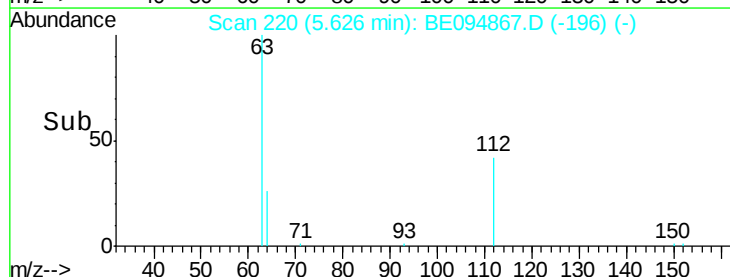
63 50.1 116.8 175.2#

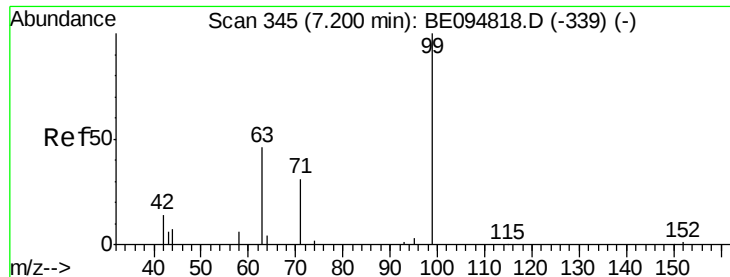


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.267 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.20 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

Instrument :

BNA_E

ClientSampleId :

PB104402BL

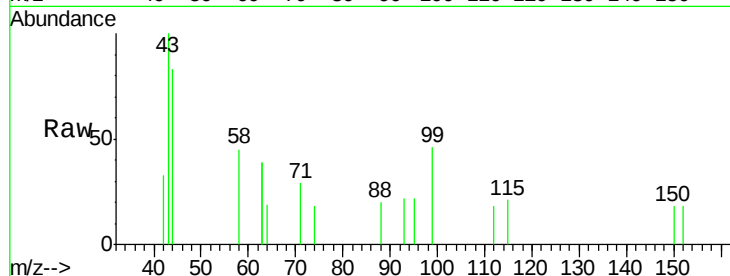
Tgt Ion: 99 Resp: 595

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 37.6 28.4 42.6



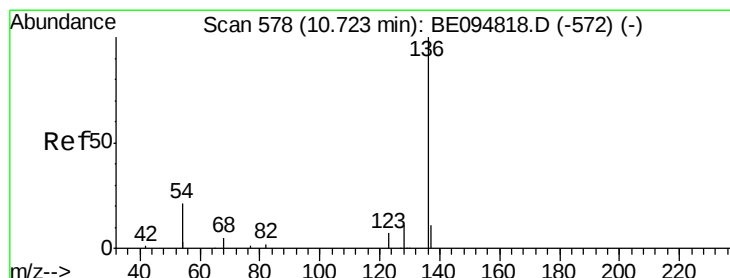
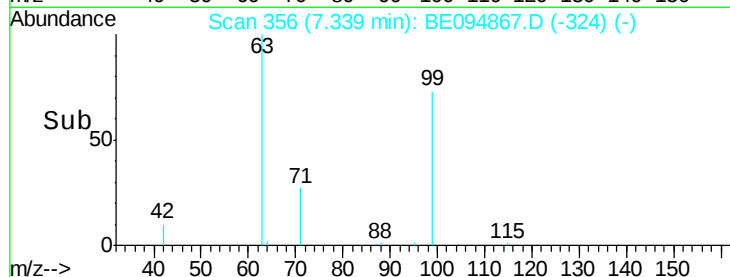
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.34

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.07 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

Tgt Ion: 136 Resp: 2709

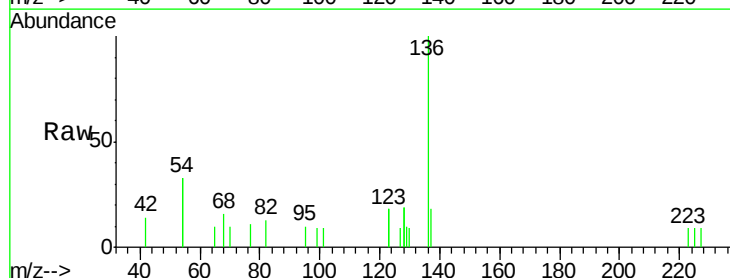
Ion Ratio Lower Upper

136 100

137 17.8 9.5 14.3#

54 65.3 29.1 43.7#

68 15.6 6.2 9.2#



Abundance Ion 136.00 (135.70 to 136.70): E

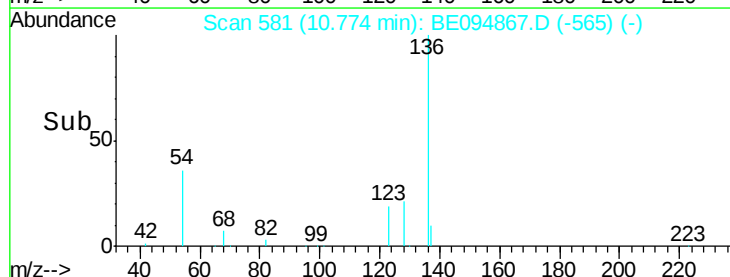
Ion 137.00 (136.70 to 137.70): E

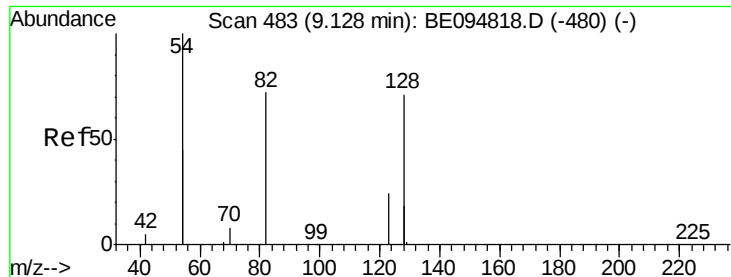
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

10.77

Time-->

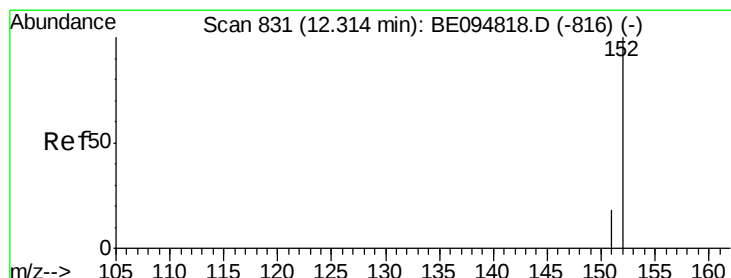
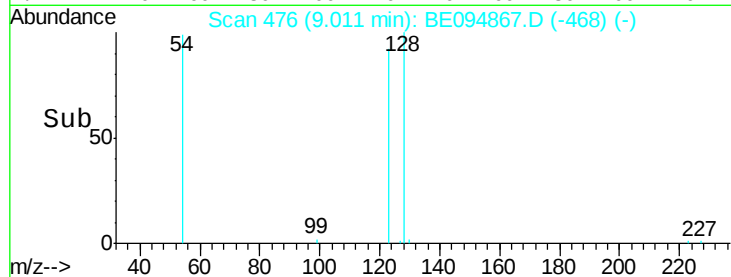
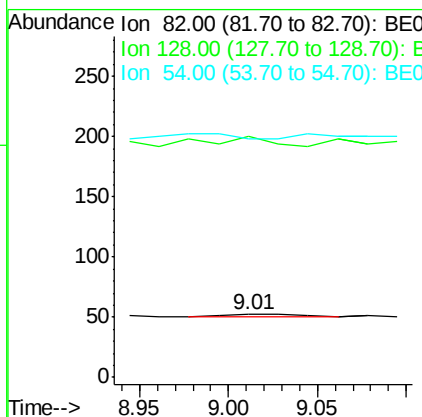
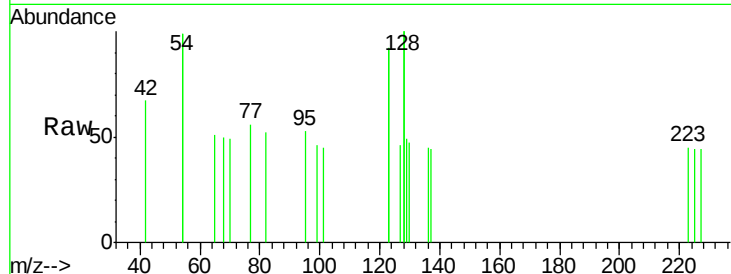




#8
 Nitrobenzene-d5
 Concen: 0.003 ng
 RT: 9.01 min Scan# 476
 Delta R.T. -0.07 min
 Lab File: BE094867.D
 Acq: 27 Nov 2017 11:59

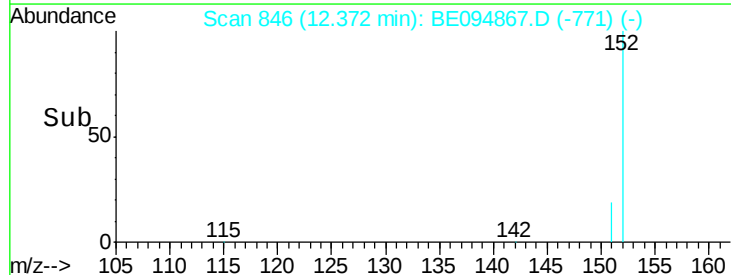
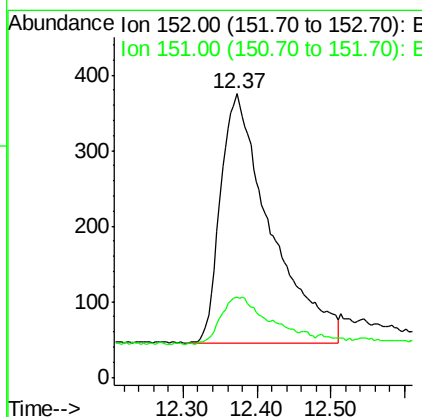
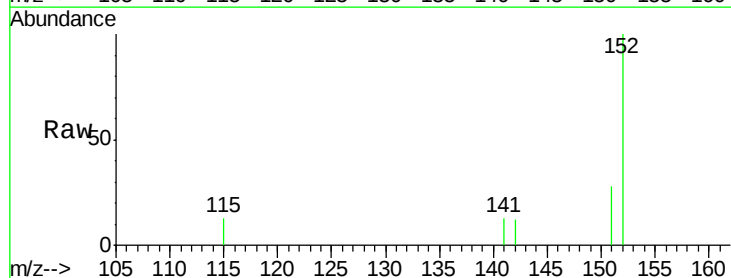
Instrument :
 BNA_E
 ClientSampleId :
 PB104402BL

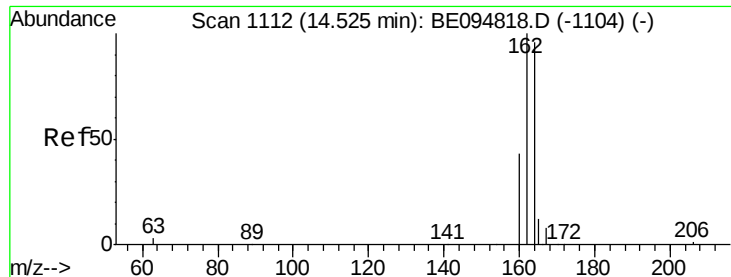
Tgt Ion: 82 Resp: 6
 Ion Ratio Lower Upper
 82 100
 128 384.6 150.0 225.0#
 54 380.8 154.2 231.4#



#11
 2-Methylnaphthalene-d10
 Concen: 0.357 ng
 RT: 12.37 min Scan# 846
 Delta R.T. 0.08 min
 Lab File: BE094867.D
 Acq: 27 Nov 2017 11:59

Tgt Ion: 152 Resp: 1550
 Ion Ratio Lower Upper
 152 100
 151 17.6 15.4 23.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.03 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

Instrument :

BNA_E

ClientSampleId :

PB104402BL

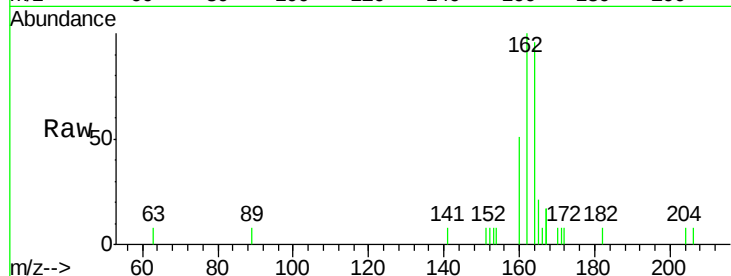
Tgt Ion:164 Resp: 1818

Ion Ratio Lower Upper

164 100

162 104.1 83.1 124.7

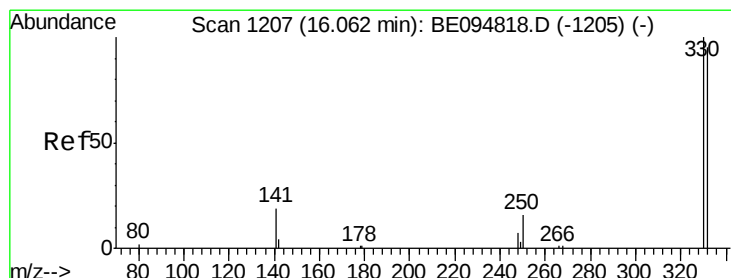
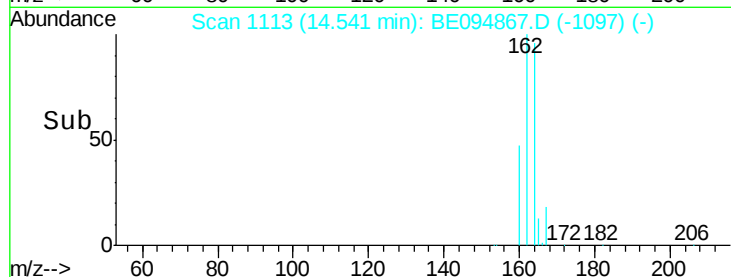
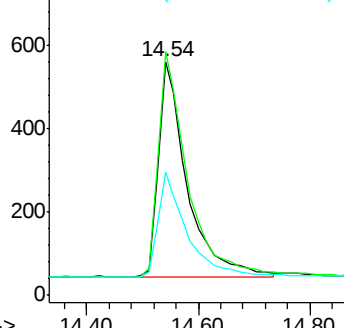
160 52.7 37.1 55.7



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: 0.269 ng

RT: 16.10 min Scan# 1208

Delta R.T. 0.07 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

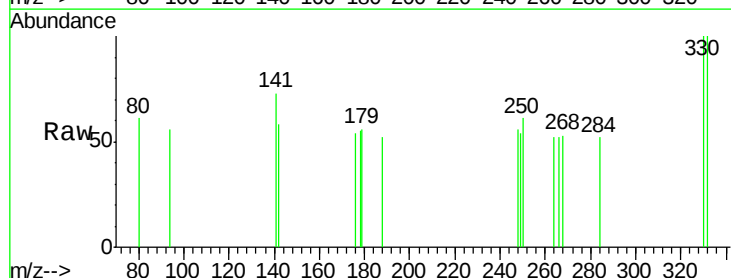
Tgt Ion:330 Resp: 135

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

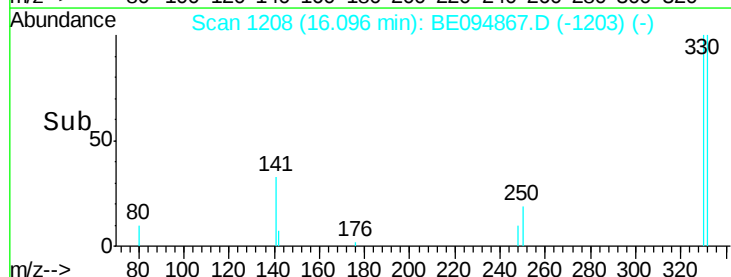
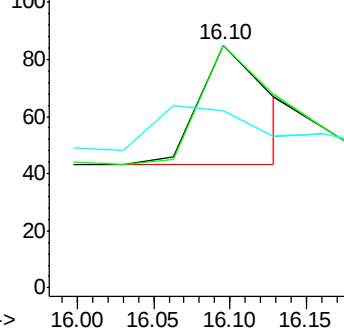
141 0.0 33.7 50.5#

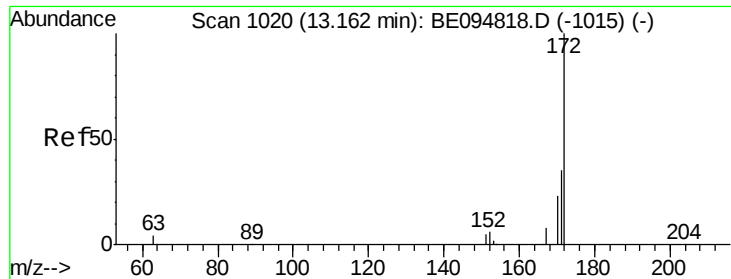


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

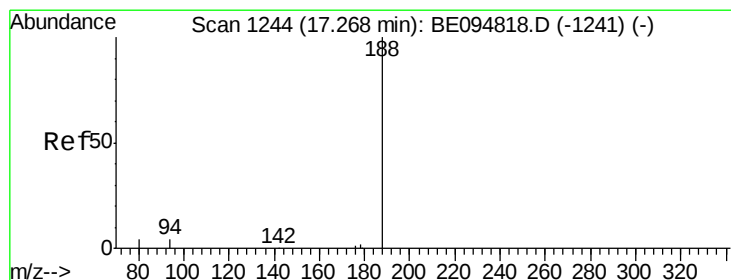
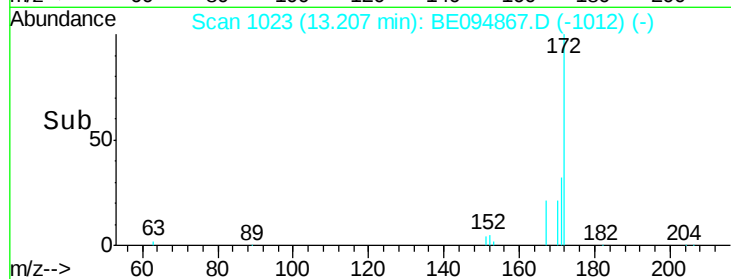
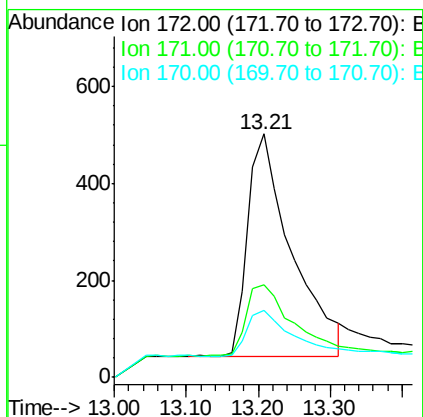
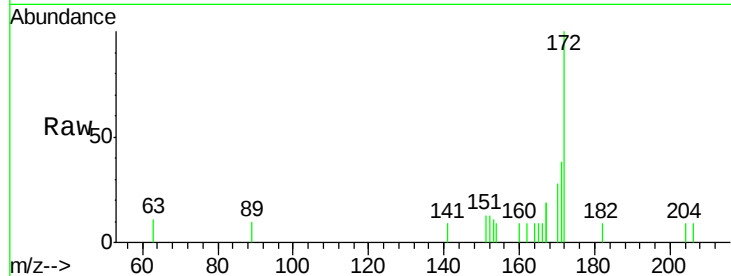




#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.21 min Scan# 1023
Delta R.T. 0.06 min
Lab File: BE094867.D
Acq: 27 Nov 2017 11:59

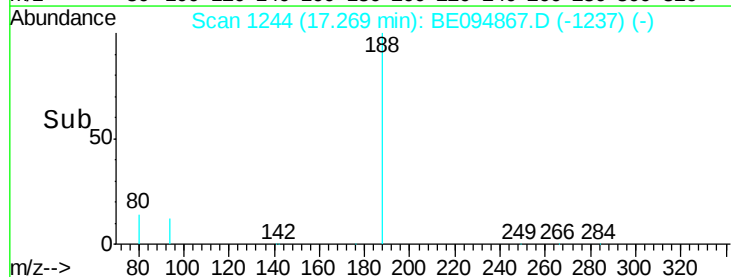
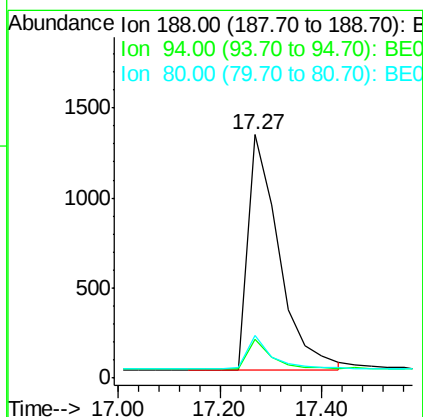
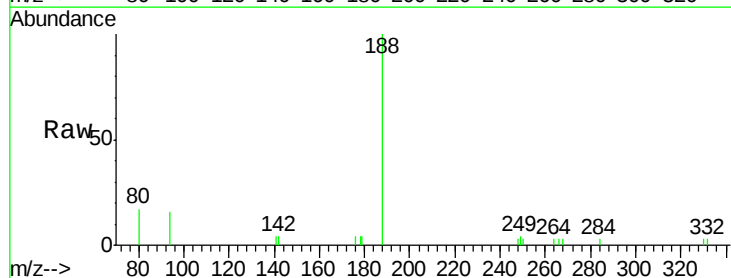
Instrument :
BNA_E
ClientSampleId :
PB104402BL

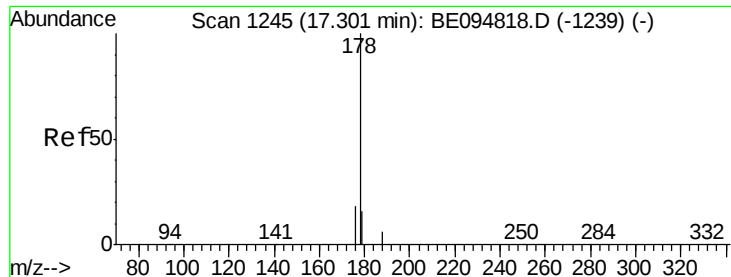
Tgt Ion:172 Resp: 1942
Ion Ratio Lower Upper
172 100
171 38.2 29.9 44.9
170 27.7 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.03 min
Lab File: BE094867.D
Acq: 27 Nov 2017 11:59

Tgt Ion:188 Resp: 5501
Ion Ratio Lower Upper
188 100
94 15.8 3.9 5.9#
80 17.4 3.6 5.4#





#23

Phenanthrene

Concen: Below Cal

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

Instrument :

BNA_E

ClientSampleId :

PB104402BL

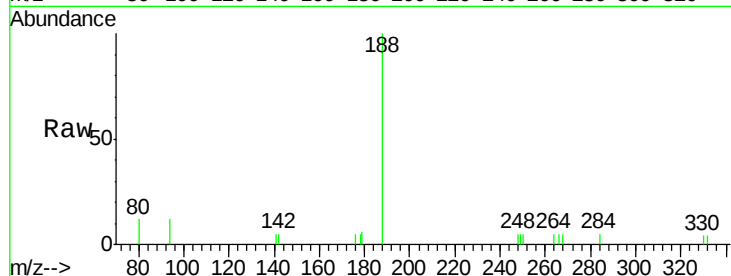
Tgt Ion:178 Resp: 22

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

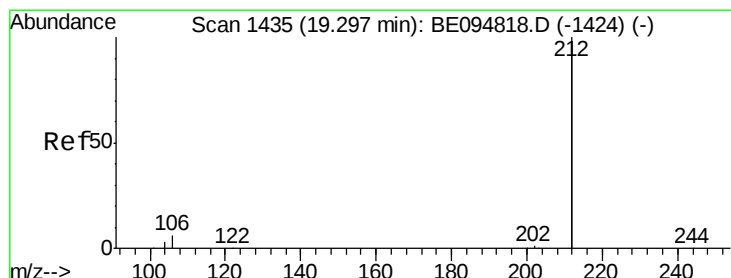
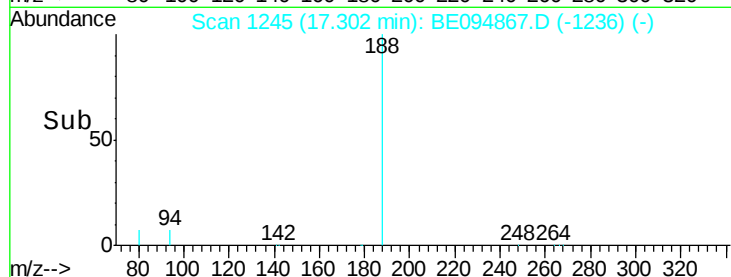
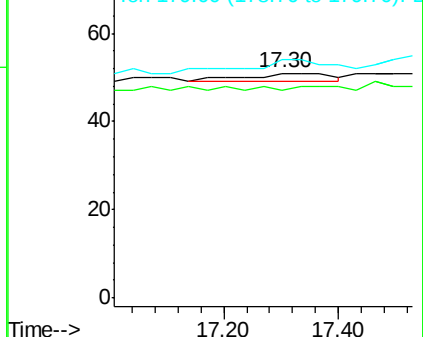
179 81.8 11.8 17.6#



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: 0.396 ng

RT: 19.30 min Scan# 1436

Delta R.T. 0.02 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

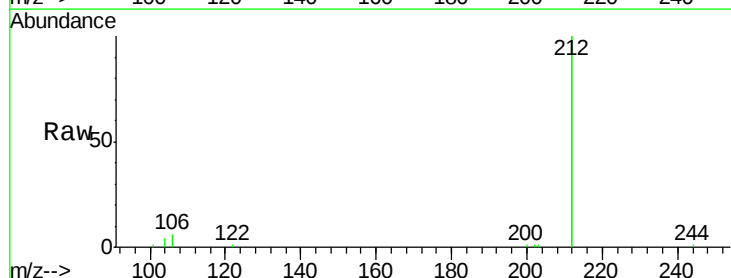
Tgt Ion:212 Resp: 26869

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

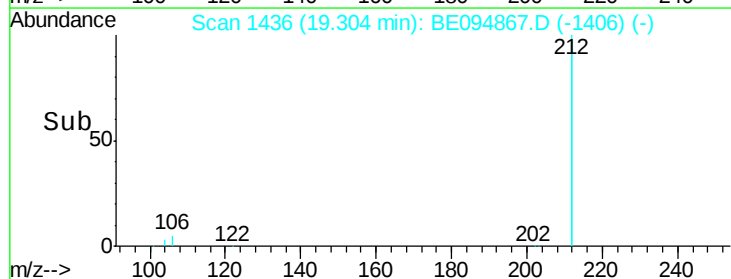
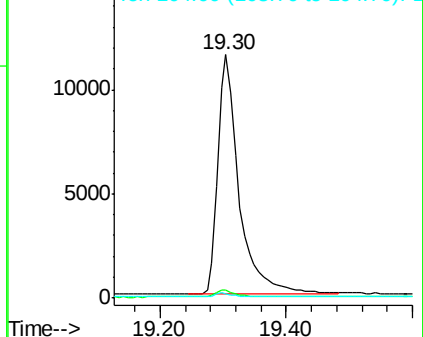
104 1.6 1.6 2.4#

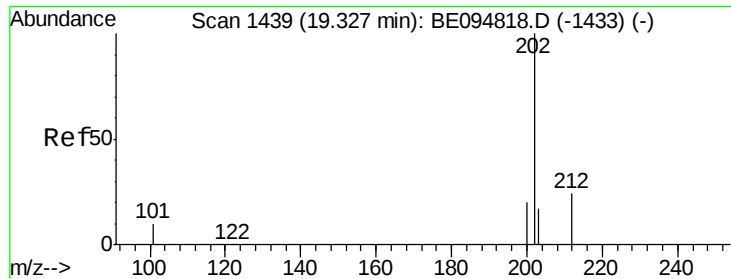


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

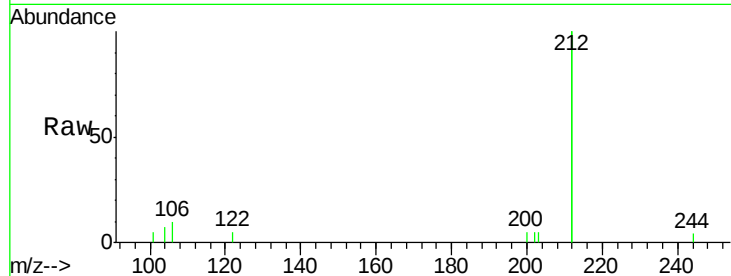




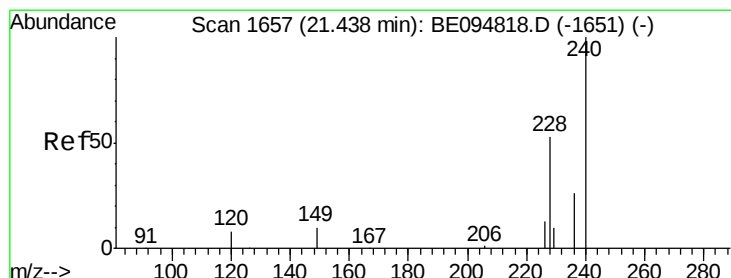
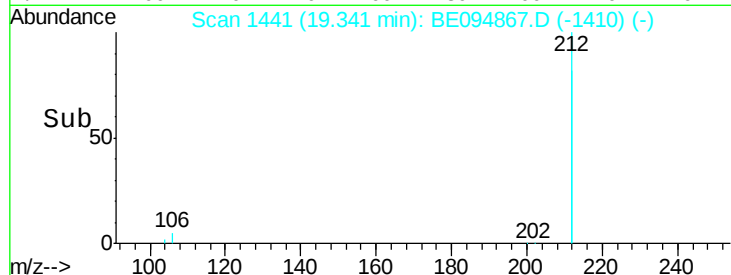
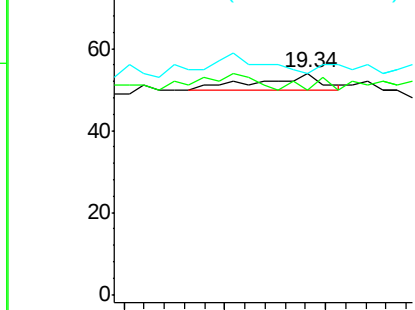
#26
Fluoranthene
Concen: Below Cal
RT: 19.34 min Scan# 1441
Delta R.T. 0.03 min
Lab File: BE094867.D
Acq: 27 Nov 2017 11:59

Instrument :
BNA_E
ClientSampleId :
PB104402BL

Tgt Ion: 202 Resp: 8
Ion Ratio Lower Upper
202 100
101 12.5 9.8 14.8
203 37.5 13.7 20.5#

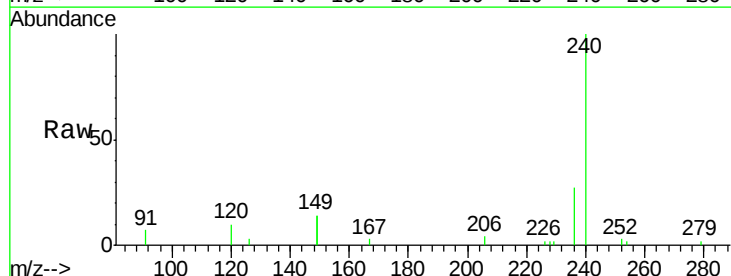


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

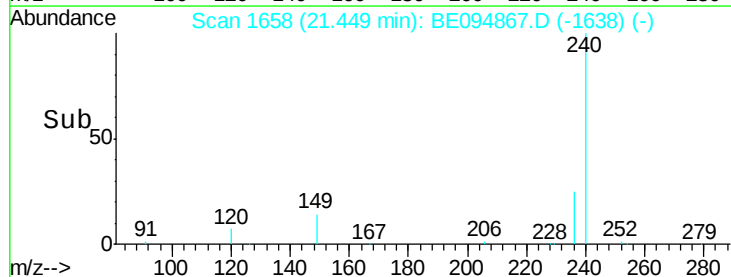
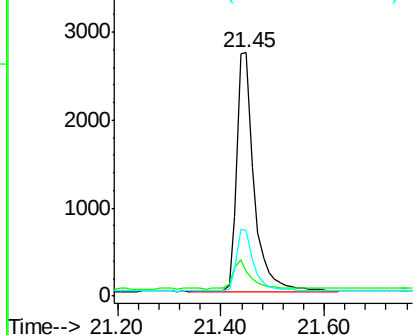


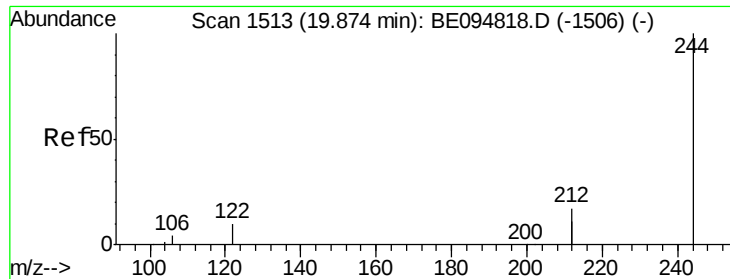
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BE094867.D
Acq: 27 Nov 2017 11:59

Tgt Ion: 240 Resp: 6338
Ion Ratio Lower Upper
240 100
120 9.9 5.5 8.3#
236 26.8 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





#29

Terphenyl-d14

Concen: 0.370 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

Instrument :

BNA_E

ClientSampleId :

PB104402BL

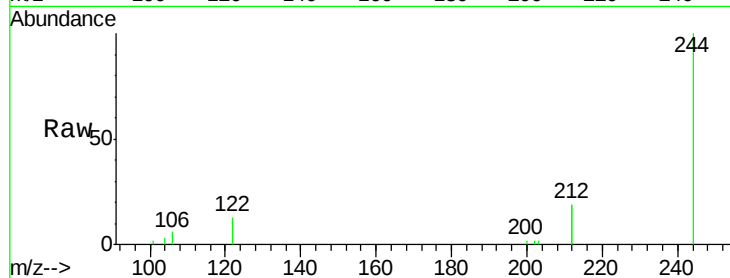
Tgt Ion:244 Resp: 4416

Ion Ratio Lower Upper

244 100

212 38.2 25.4 38.0#

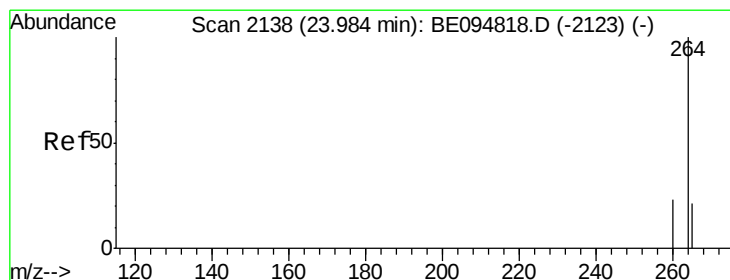
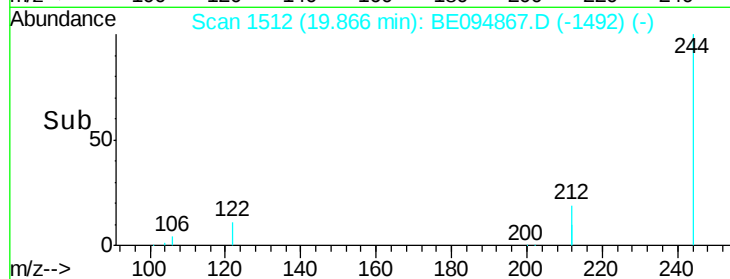
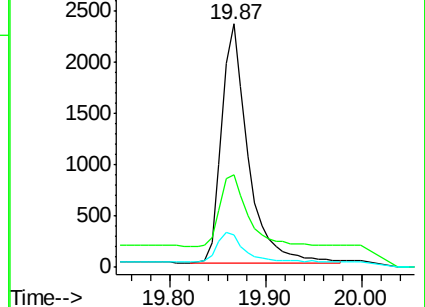
122 13.1 8.1 12.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.98 min Scan# 2137

Delta R.T. 0.03 min

Lab File: BE094867.D

Acq: 27 Nov 2017 11:59

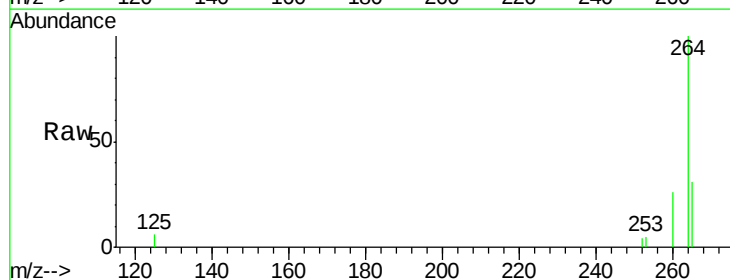
Tgt Ion:264 Resp: 6040

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

265 30.7 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

