

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112717\
 Data File : BE094873.D
 Acq On : 27 Nov 2017 15:30
 Operator : SJ/JU
 Sample : PB104506BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 50

Instrument :
 BNA_E
 ClientSampleId :
 PB104506BL

Quant Time: Nov 27 16:18:50 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	7.88	152	30920	20.00	ng	-0.03
7) Naphthalene-d8	10.67	136	184447	20.00	ng	-0.03
13) Acenaphthene-d10	14.49	164	112336	20.00	ng	-0.02
19) Phenanthrene-d10	17.23	188	304968	20.00	ng	0.00
27) Chrysene-d12	21.42	240	365243	20.00	ng	-0.01
34) Perylene-d12	23.94	264	351705	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.48	112	224338	105.89	ng	-0.05
5) Phenol-d6	7.07	99	354842	110.96	ng	-0.06
8) Nitrobenzene-d5	9.04	82	209879	71.26	ng	-0.03
11) 2-Methylnaphthalene-d10	12.15	152	5	0.00	ng	-0.14
14) 2,4,6-Tribromophenol	16.00	330	110265	177.93	ng	-0.03
15) 2-Fluorobiphenyl	13.12	172	506472	63.96	ng	-0.03
25) Fluoranthene-d10	19.30	212	24	-50.00	ng	0.02
29) Terphenyl-d14	19.84	244	939020	68.17	ng	-0.02

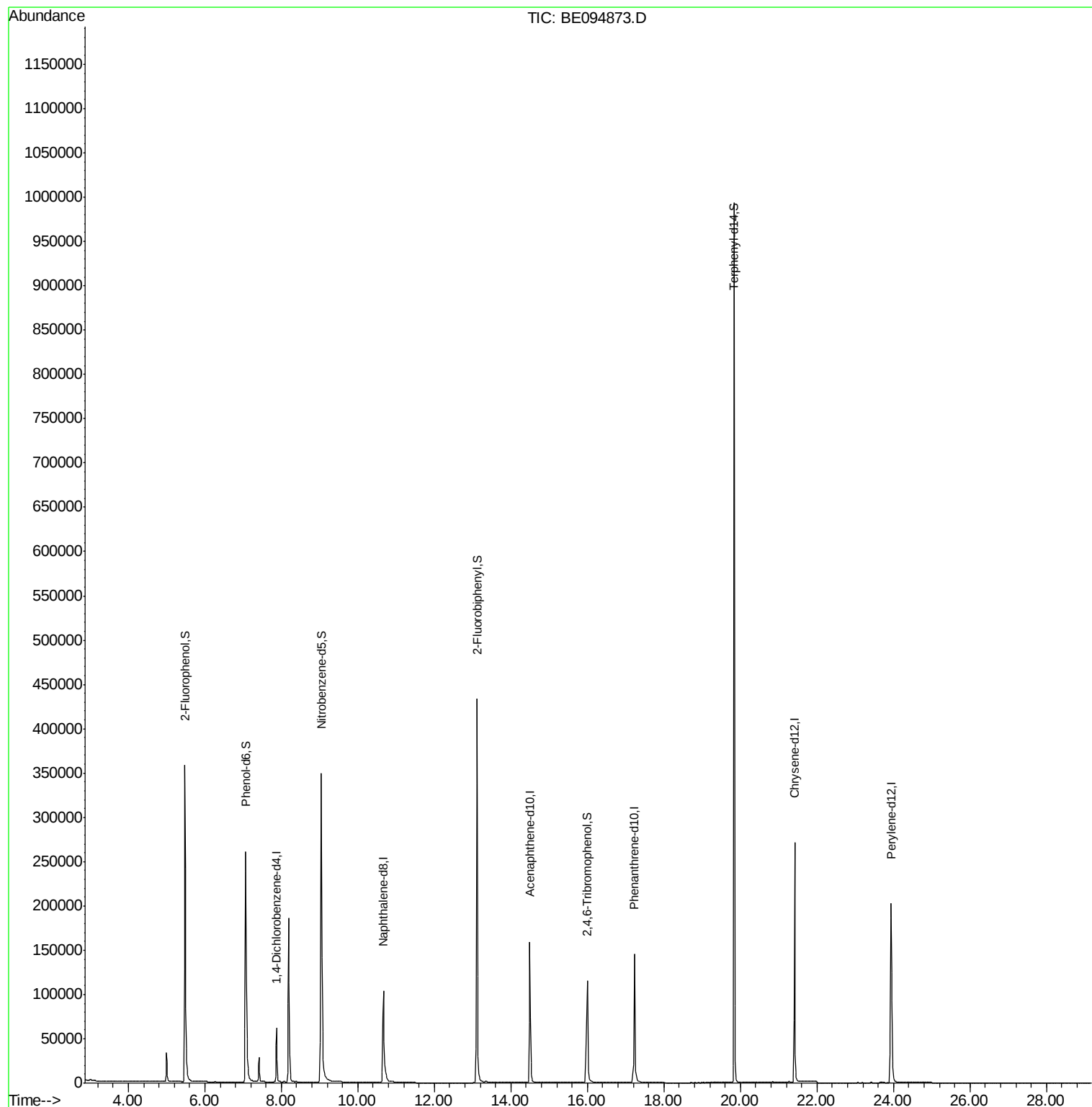
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.71	42	21	0.021	ng	# 1
17) Acenaphthene	14.49	154	400	0.053	ng	# 11
23) Phenanthrene	17.23	178	131	Below Cal		# 1
26) Fluoranthene	19.33	202	11	Below Cal		# 73
30) Benzo(a)anthracene	21.41	228	1027	0.043	ng	# 64
31) Chrysene	21.41	228	1027	0.043	ng	# 64
37) Benzo(a)pyrene	23.94	252	1259	0.057	ng	# 55

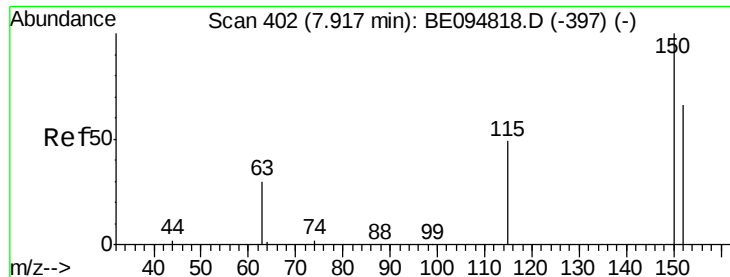
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.88 min Scan# 399

Delta R.T. -0.03 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

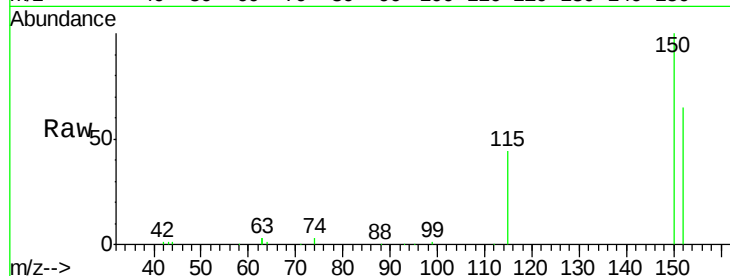
Tgt Ion: 152 Resp: 30920

Ion Ratio Lower Upper

152 100

150 154.7 117.2 175.8

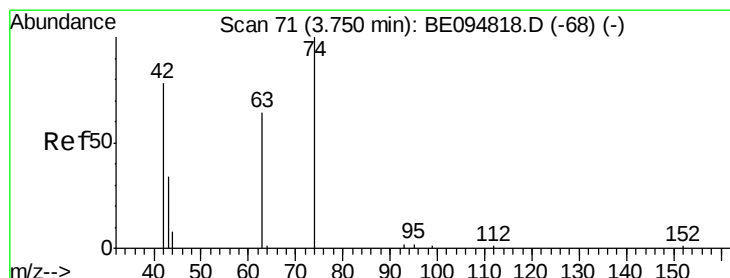
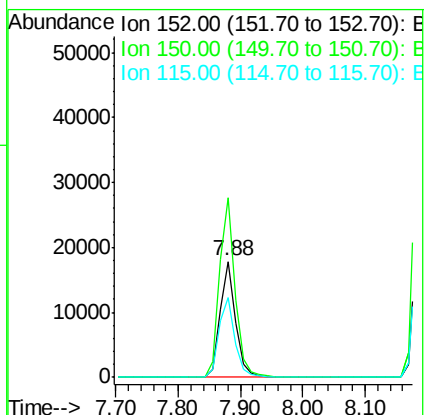
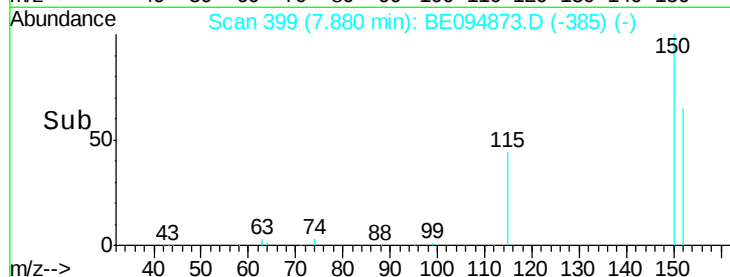
115 68.8 57.0 85.6



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



#3

n-Nitrosodimethylamine

Concen: 0.021 ng

RT: 3.71 min Scan# 68

Delta R.T. -0.04 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

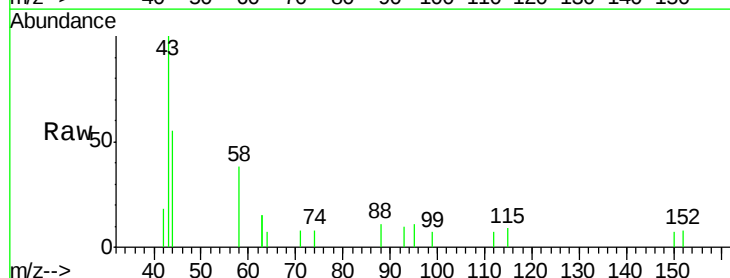
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

42 100

74 0.0 100.3 150.5#

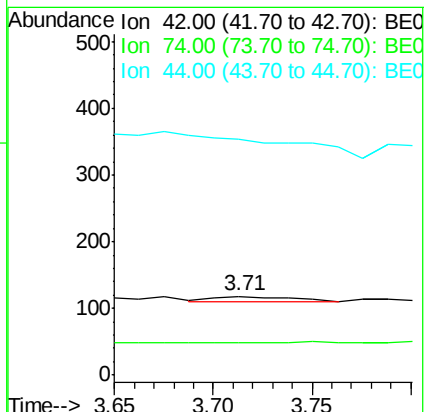
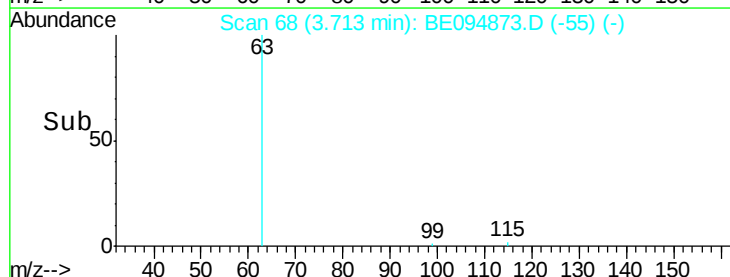
44 0.0 17.0 25.4#

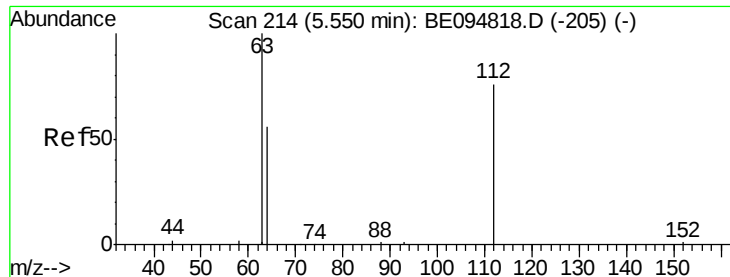


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 105.891 ng

RT: 5.48 min Scan# 208

Delta R.T. -0.05 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

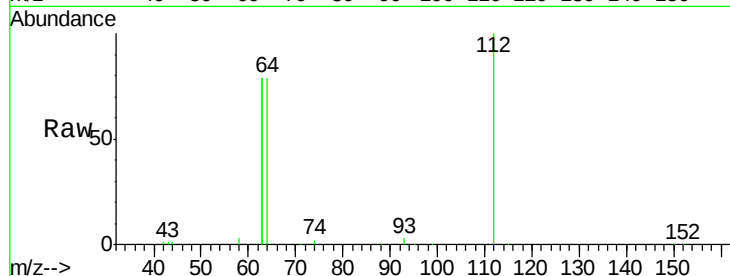
Tgt Ion: 112 Resp: 224338

Ion Ratio Lower Upper

112 100

64 66.6 60.1 90.1

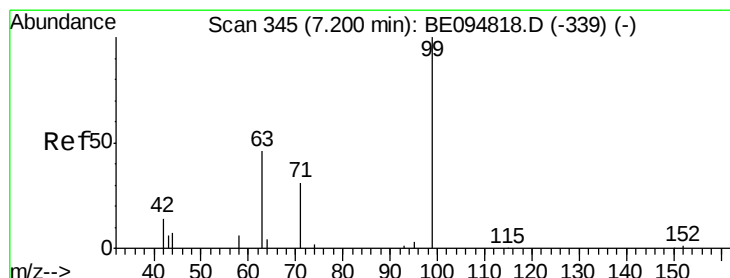
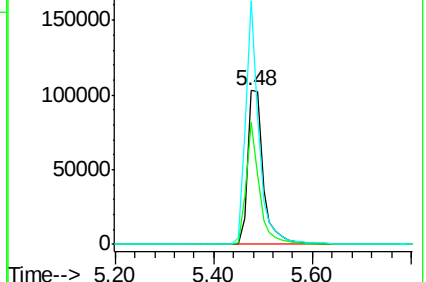
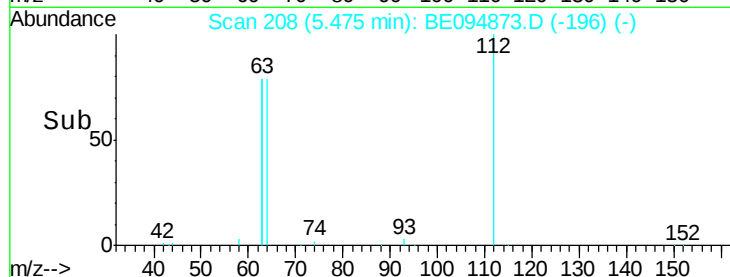
63 132.4 116.8 175.2



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: 110.960 ng

RT: 7.07 min Scan# 335

Delta R.T. -0.06 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

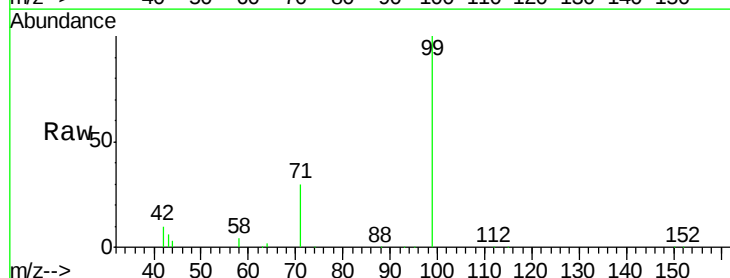
Tgt Ion: 99 Resp: 354842

Ion Ratio Lower Upper

99 100

42 15.7 20.2 30.2#

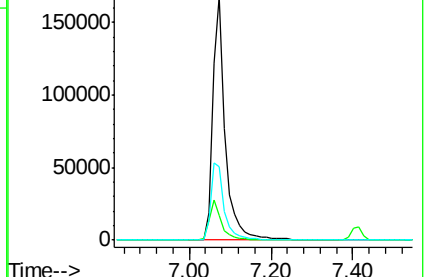
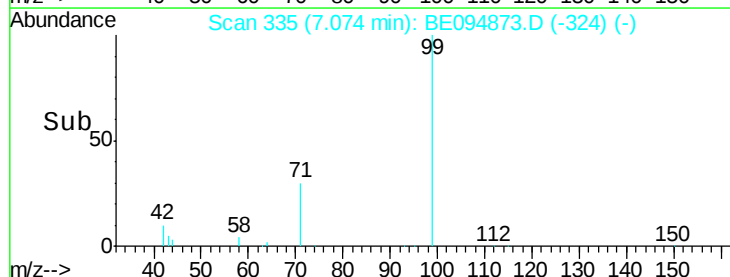
71 34.4 28.4 42.6

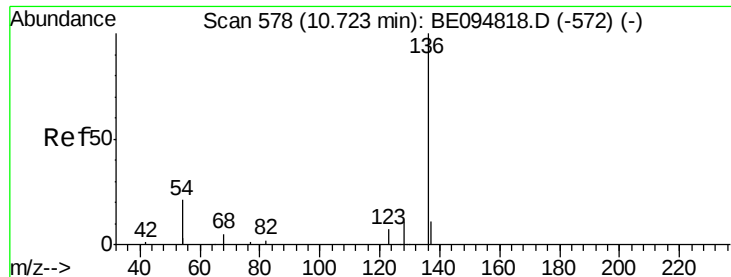


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 20.000 ng

RT: 10.67 min Scan# 575

Delta R.T. -0.03 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

Tgt Ion:136 Resp: 184447

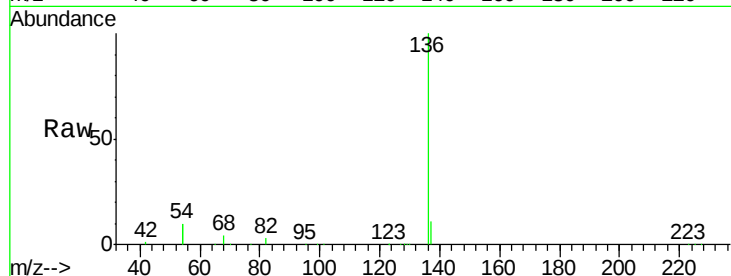
Ion Ratio Lower Upper

136 100

137 11.1 9.5 14.3

54 19.3 29.1 43.7#

68 4.2 6.2 9.2#

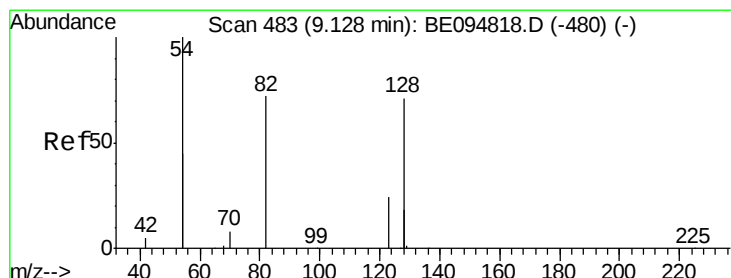
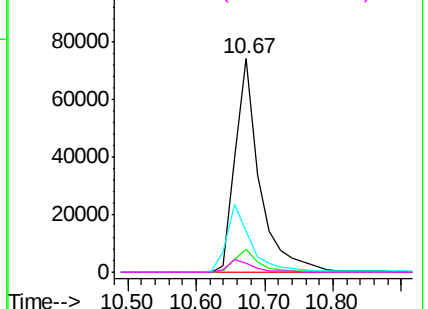
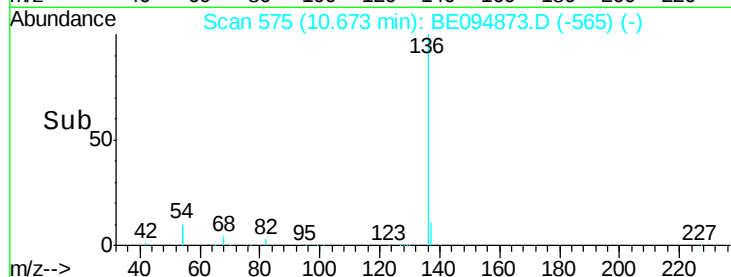


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.263 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.03 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

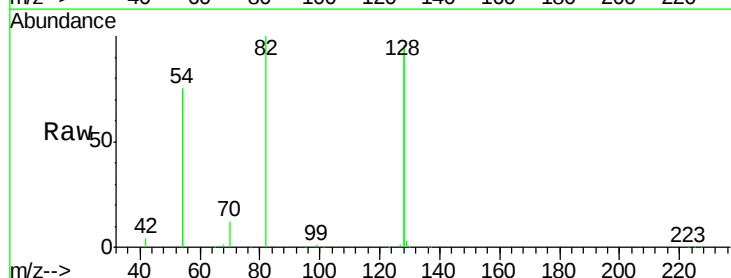
Tgt Ion: 82 Resp: 209879

Ion Ratio Lower Upper

82 100

128 191.0 150.0 225.0

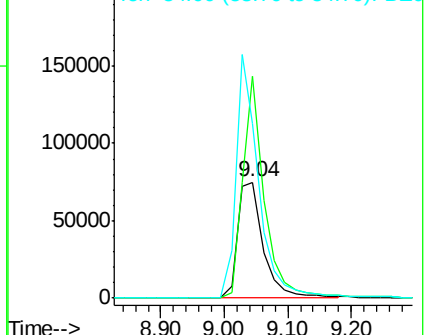
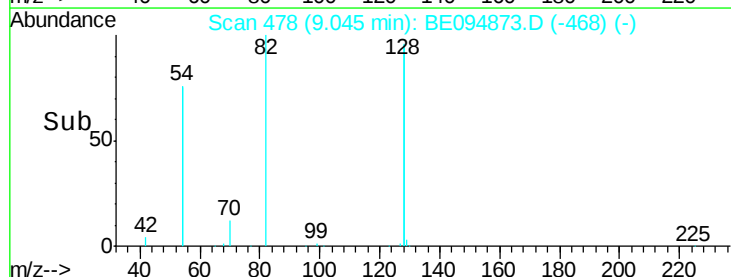
54 151.0 154.2 231.4#

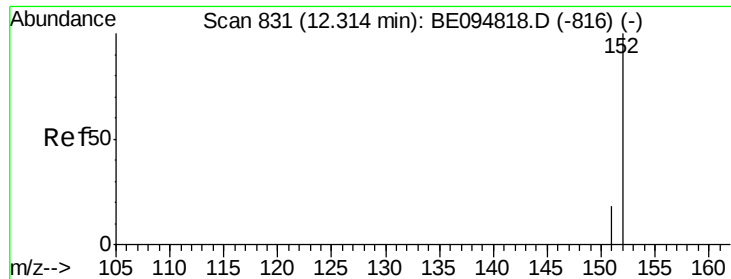


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

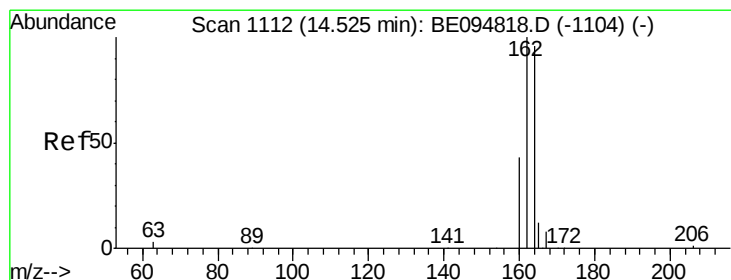
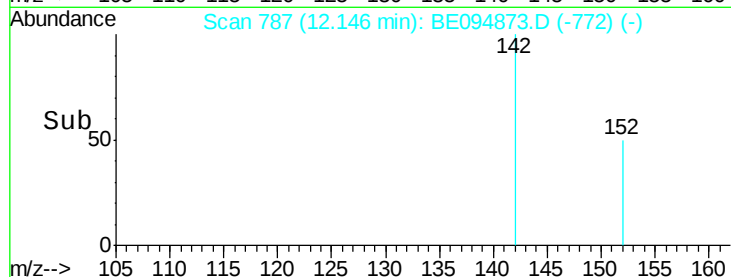
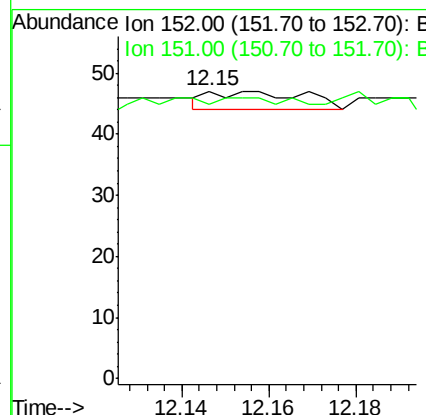
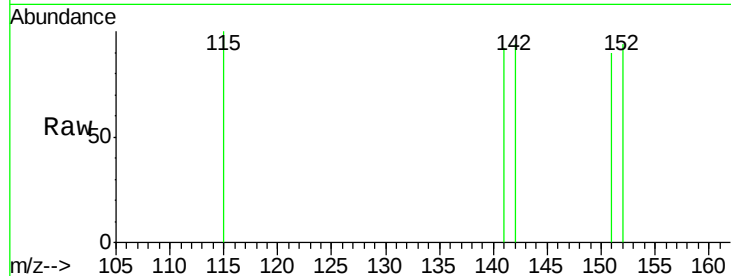




#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.15 min Scan# 787
Delta R.T. -0.14 min
Lab File: BE094873.D
Acq: 27 Nov 2017 15:30

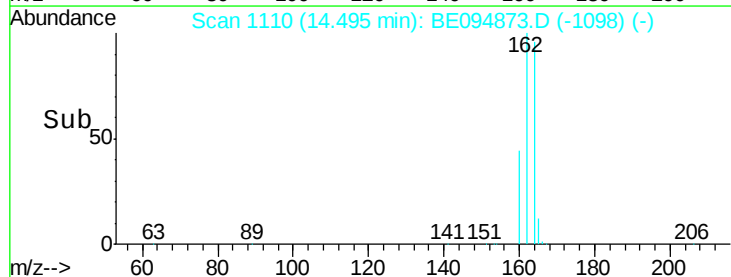
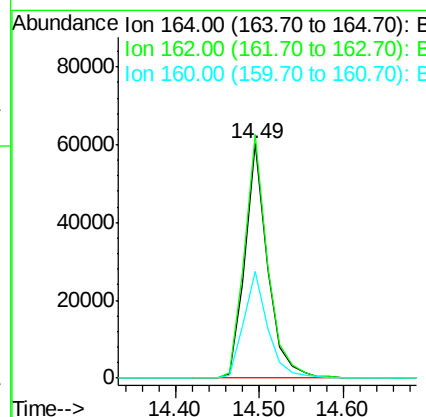
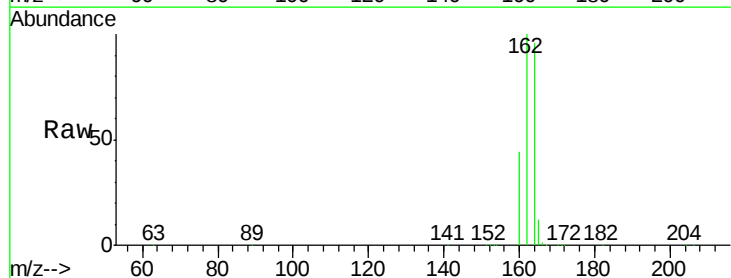
Instrument :
BNA_E
ClientSampleId :
PB104506BL

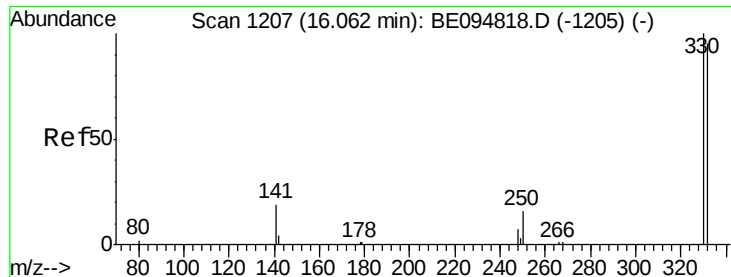
Tgt Ion:152 Resp: 5
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.0



#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.49 min Scan# 1110
Delta R.T. -0.02 min
Lab File: BE094873.D
Acq: 27 Nov 2017 15:30

Tgt Ion:164 Resp: 112336
Ion Ratio Lower Upper
164 100
162 104.0 83.1 124.7
160 45.6 37.1 55.7

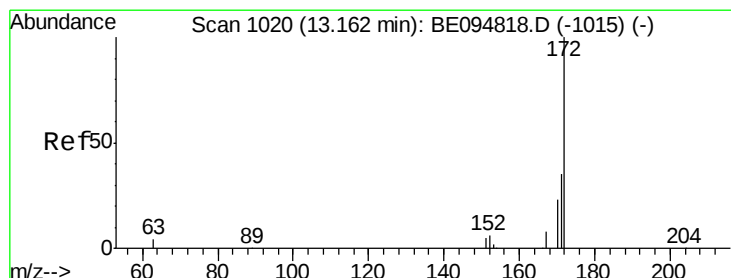
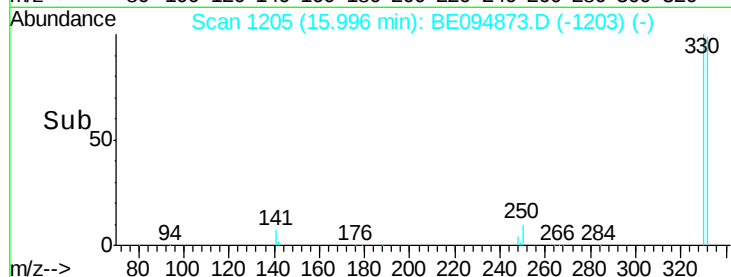
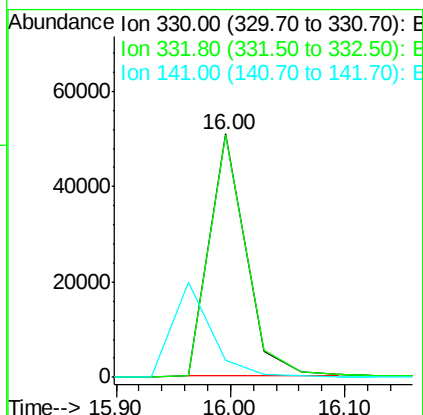
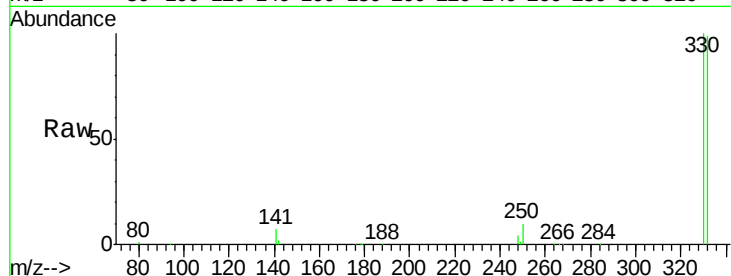




#14
 2,4,6-Tribromophenol
 Concen: 177.926 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BE094873.D
 Acq: 27 Nov 2017 15:30

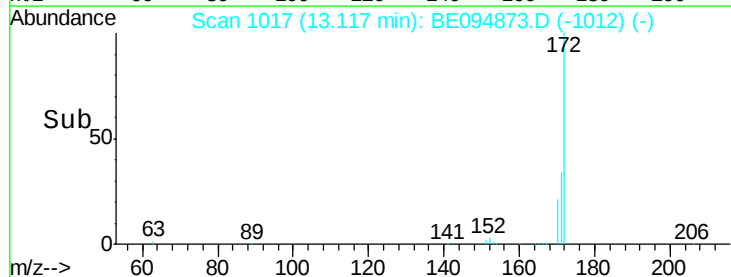
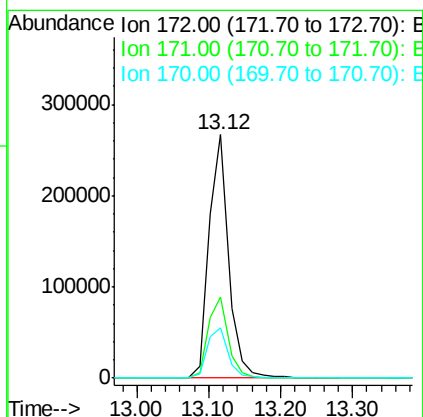
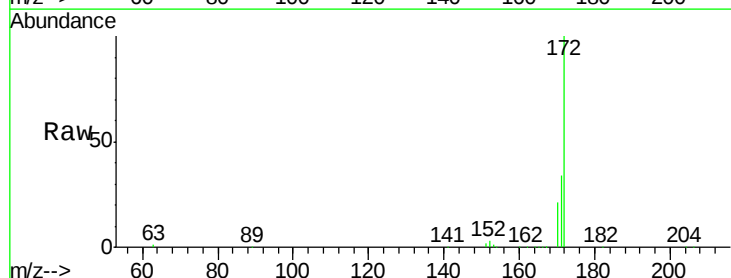
Instrument :
 BNA_E
 ClientSampleId :
 PB104506BL

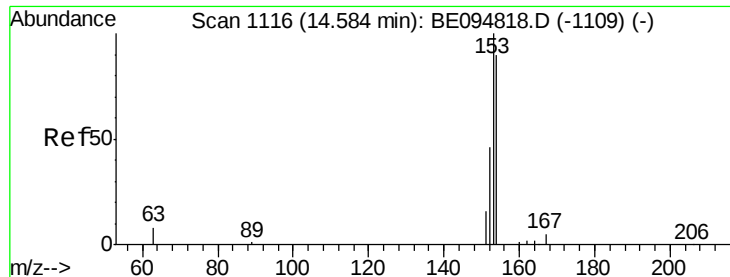
Tgt Ion:330 Resp: 110265
 Ion Ratio Lower Upper
 330 100
 332 101.9 152.7 229.1#
 141 0.0 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 63.962 ng
 RT: 13.12 min Scan# 1017
 Delta R.T. -0.03 min
 Lab File: BE094873.D
 Acq: 27 Nov 2017 15:30

Tgt Ion:172 Resp: 506472
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.9 44.9
 170 20.8 21.8 32.8#





#17

Acenaphthene

Concen: 0.053 ng

RT: 14.49 min Scan# 1110

Delta R.T. -0.09 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

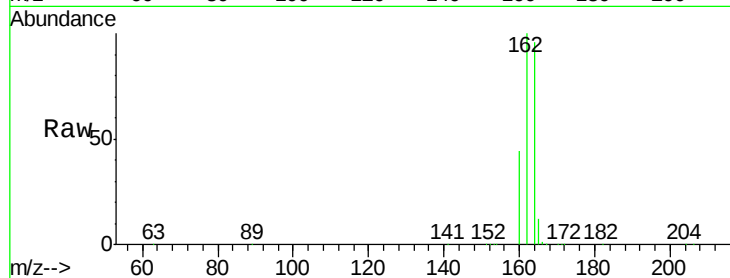
Tgt Ion:154 Resp: 400

Ion Ratio Lower Upper

154 100

153 8.3 89.2 133.8#

152 1.0 42.0 63.0#



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

14.49

250

200

150

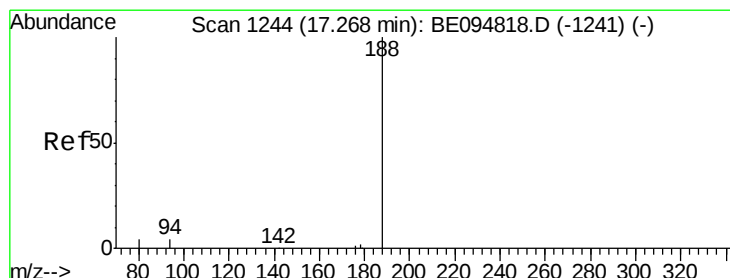
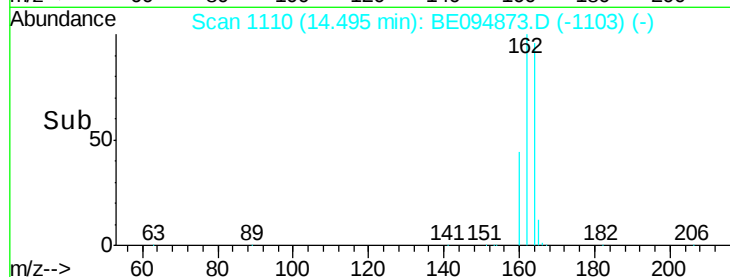
100

50

0

14.40 14.50 14.60 14.70

Time-->



#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

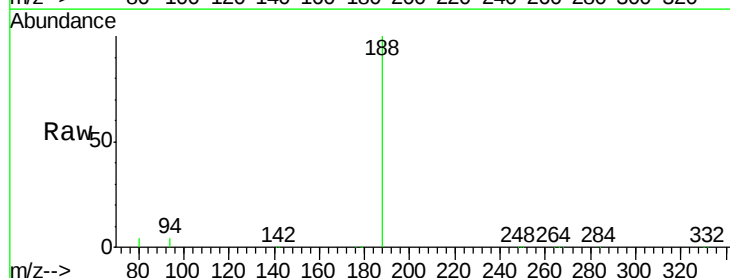
Tgt Ion:188 Resp: 304968

Ion Ratio Lower Upper

188 100

94 4.0 3.9 5.9

80 3.8 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

17.23

150000

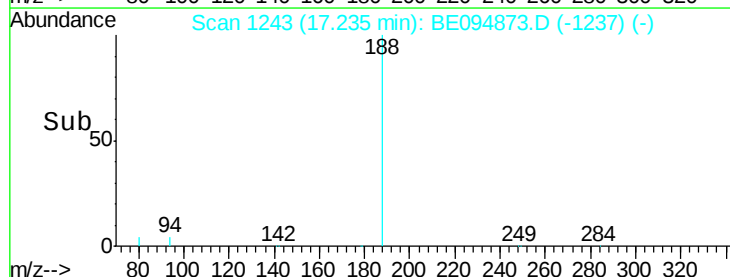
100000

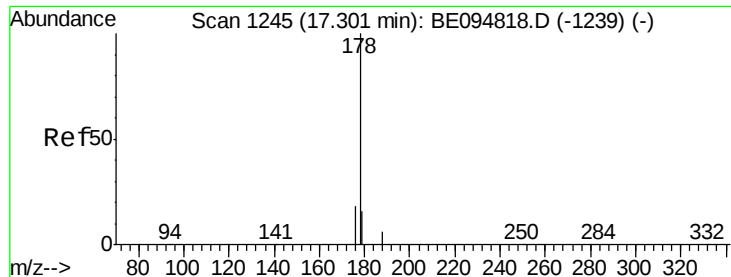
50000

0

17.20 17.30 17.40

Time-->





#23

Phenanthrene

Concen: Below Cal

RT: 17.23 min Scan# 1243

Delta R.T. -0.07 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

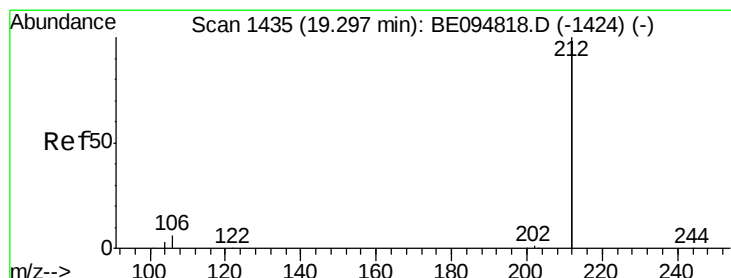
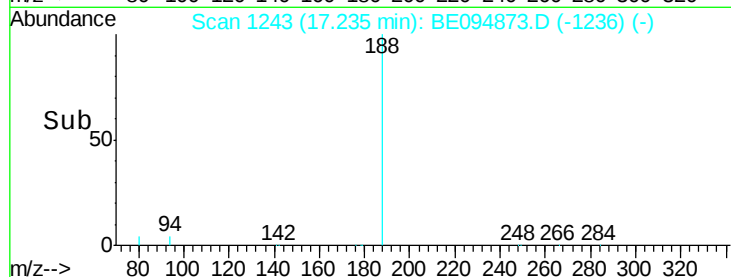
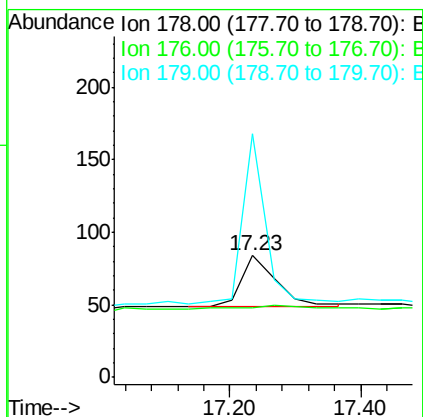
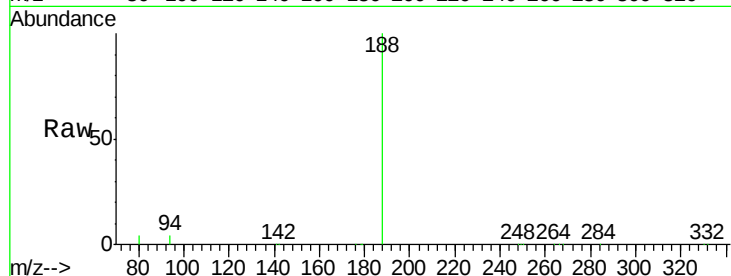
Tgt Ion:178 Resp: 131

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

179 215.3 11.8 17.6#



#25

Fluoranthene-d10

Concen: -50.000 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.02 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

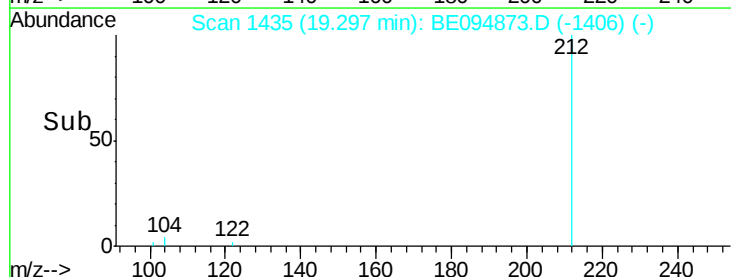
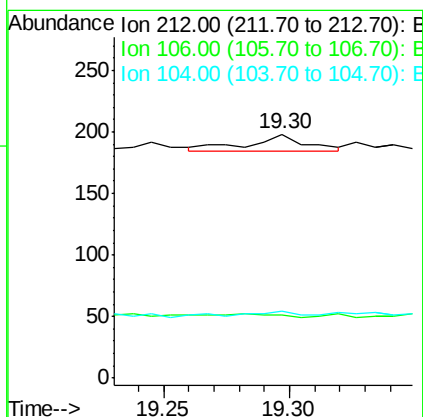
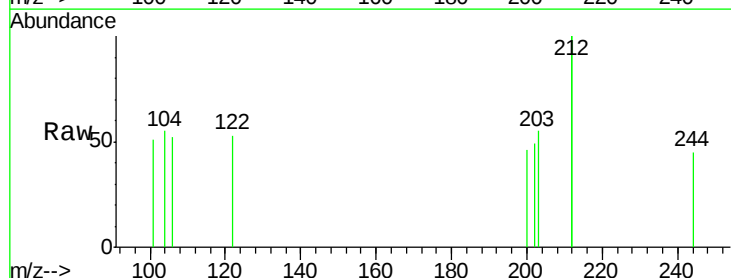
Tgt Ion:212 Resp: 24

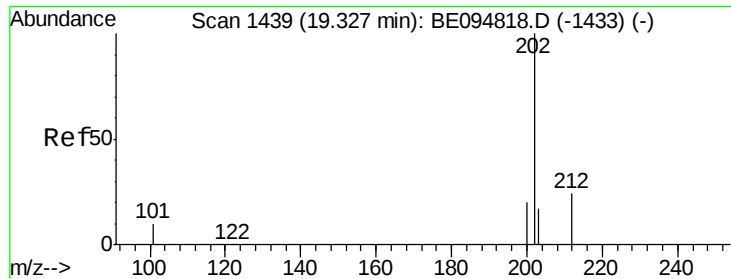
Ion Ratio Lower Upper

212 100

106 0.0 2.8 4.2#

104 16.7 1.6 2.4#





#26

Fluoranthene

Concen: Below Cal

RT: 19.33 min Scan# 1440

Delta R.T. 0.02 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

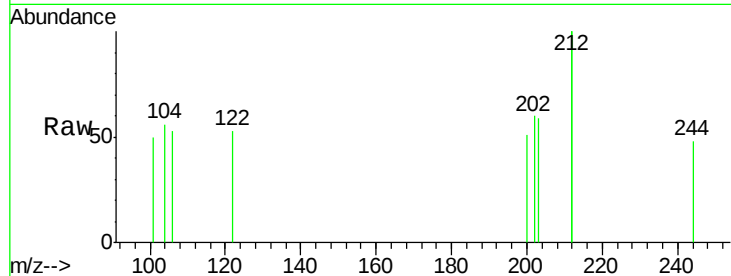
Tgt Ion:202 Resp: 11

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

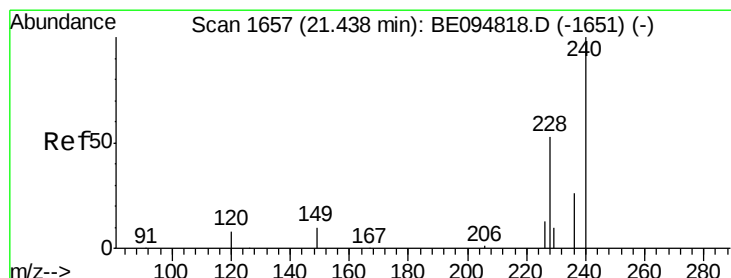
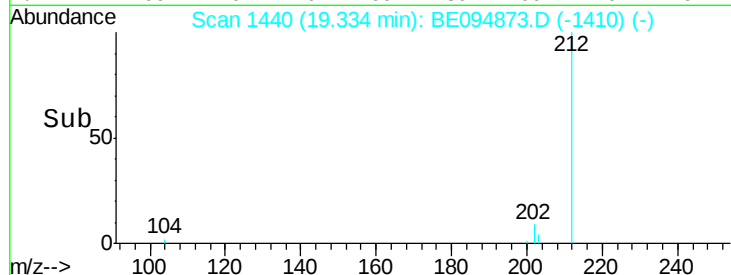
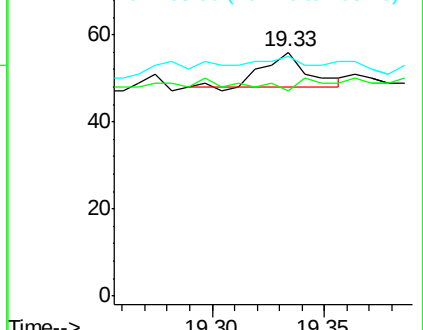
203 27.3 13.7 20.5#



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: 20.000 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

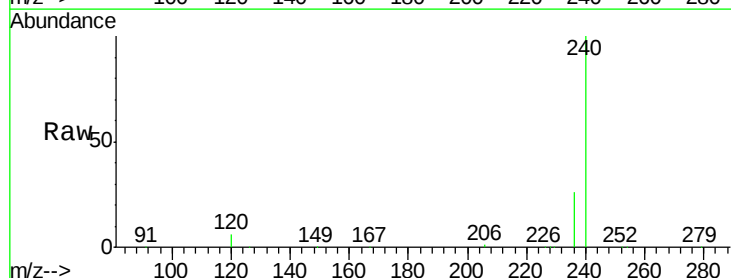
Tgt Ion:240 Resp: 365243

Ion Ratio Lower Upper

240 100

120 6.3 5.5 8.3

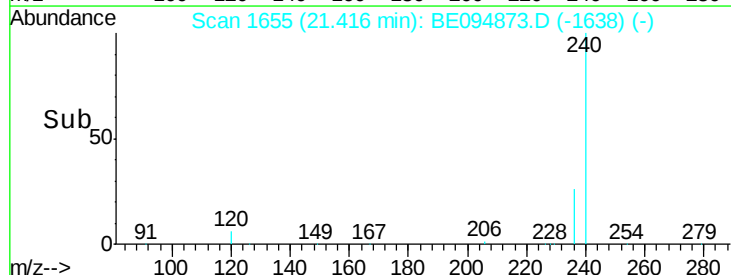
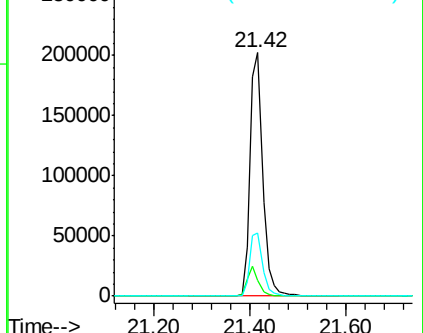
236 25.8 20.7 31.1

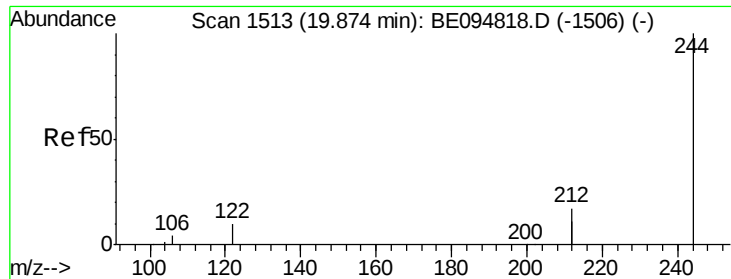


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 68.175 ng

RT: 19.84 min Scan# 1509

Delta R.T. -0.02 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

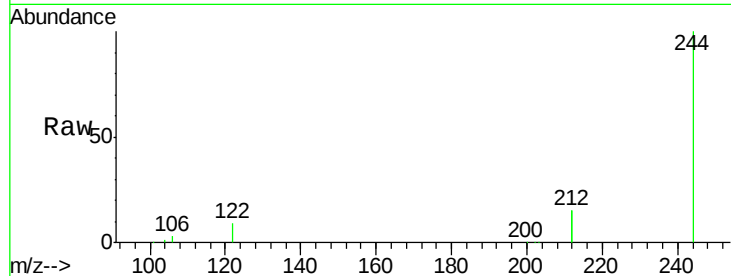
Tgt Ion:244 Resp: 939020

Ion Ratio Lower Upper

244 100

212 30.9 25.4 38.0

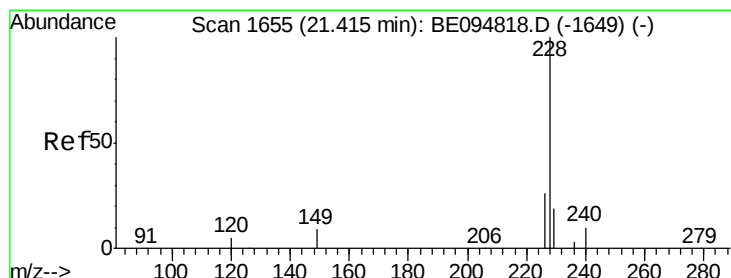
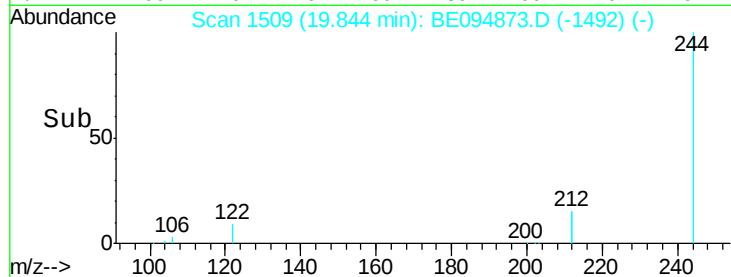
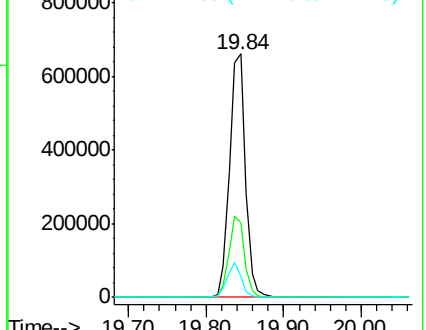
122 8.6 8.1 12.1



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: 0.043 ng

RT: 21.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

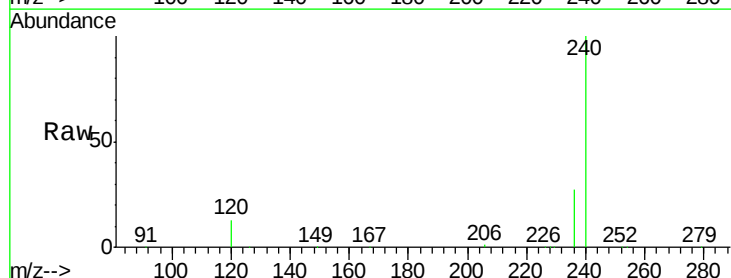
Tgt Ion:228 Resp: 1027

Ion Ratio Lower Upper

228 100

226 16.7 40.0 60.0#

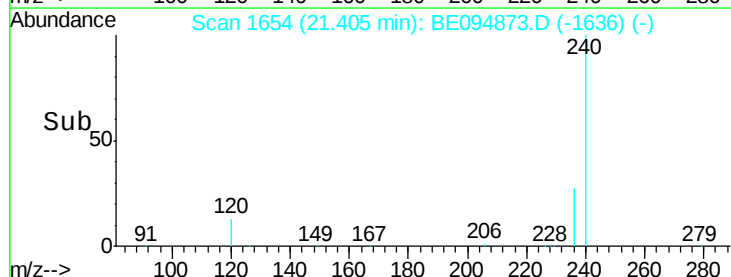
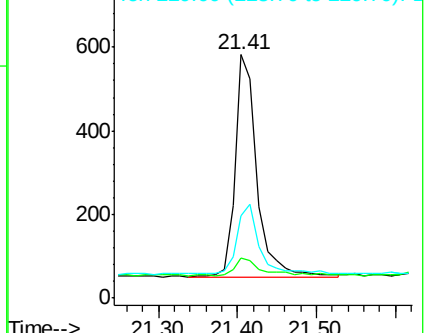
229 33.8 40.0 60.0#

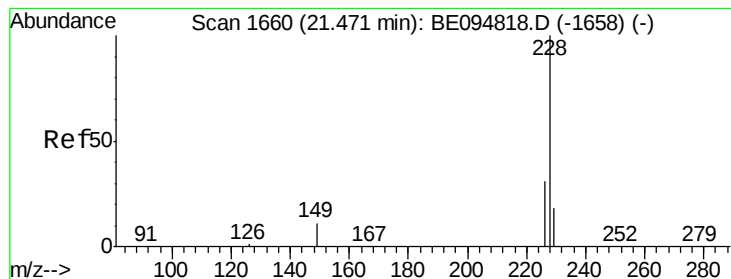


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.043 ng

RT: 21.41 min Scan# 1654

Delta R.T. -0.05 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL

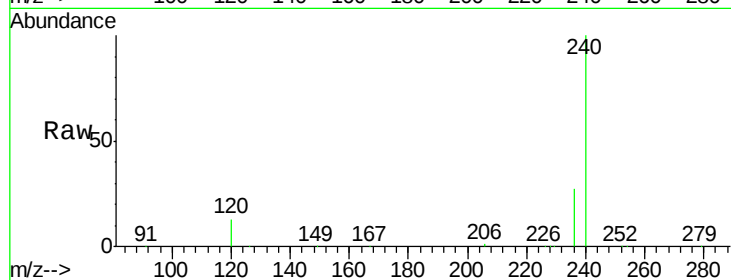
Tgt Ion:228 Resp: 1027

Ion Ratio Lower Upper

228 100

226 16.7 40.0 60.0#

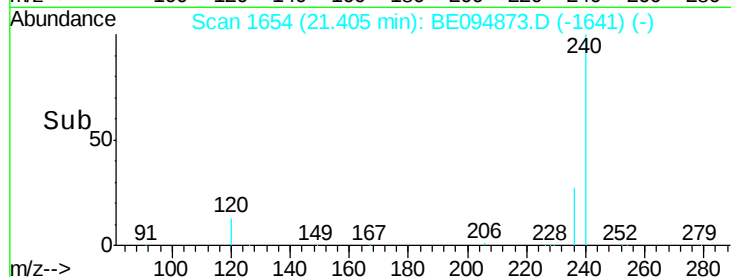
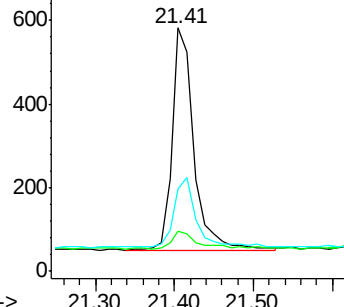
229 33.8 40.0 60.0#



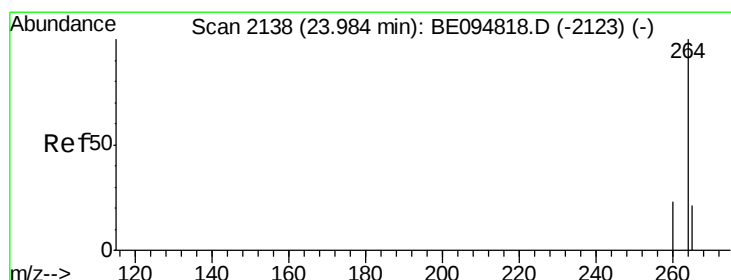
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#34

Perylene-d12

Concen: 20.000 ng

RT: 23.94 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BE094873.D

Acq: 27 Nov 2017 15:30

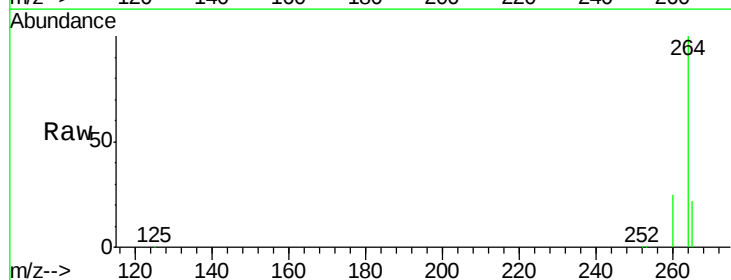
Tgt Ion:264 Resp: 351705

Ion Ratio Lower Upper

264 100

260 24.7 20.5 30.7

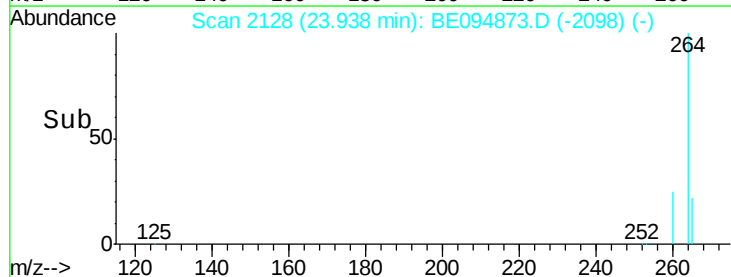
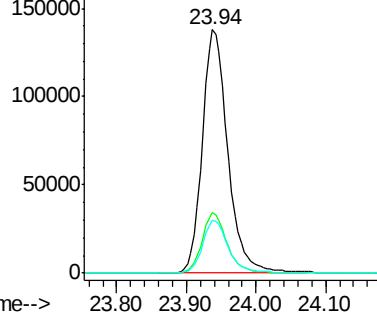
265 21.7 22.8 34.2#



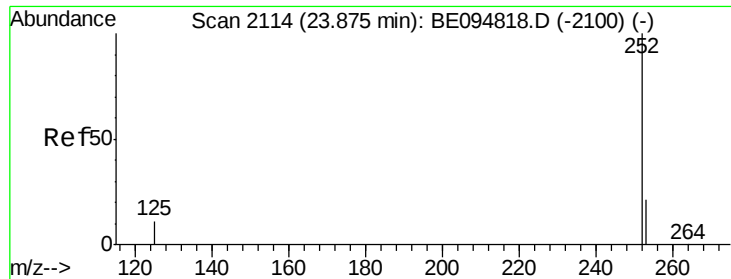
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#37

Benzo(a)pyrene

Concen: 0.057 ng

RT: 23.94 min Scan# 2128

Delta R.T. 0.10 min

Lab File: BE094873.D

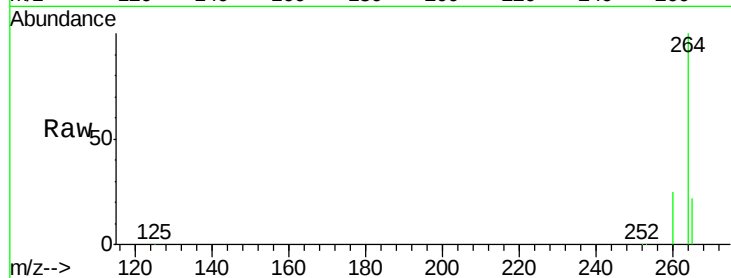
Acq: 27 Nov 2017 15:30

Instrument :

BNA_E

ClientSampleId :

PB104506BL



Tgt Ion:	252	Resp:	1259
Ion	Ratio	Lower	Upper
252	100		
253	41.5	52.0	78.0#
125	32.6	68.0	102.0#

