

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094953.D
 Acq On : 8 Dec 2017 17:47
 Operator : SJ/JU
 Sample : PB104842BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104842BL

Quant Time: Dec 09 00:26:51 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	7265	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	15072	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7388	0.40	ng	-0.01
19) Phenanthrene-d10	17.77	188	18507	0.40	ng	0.00
27) Chrysene-d12	21.89	240	19773	0.40	ng	0.00
34) Perylene-d12	24.56	264	16001	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	3244	0.28	ng	0.00
5) Phenol-d6	7.60	99	4634	0.27	ng	0.00
8) Nitrobenzene-d5	9.66	82	3788	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	7004	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	425	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	10943	0.35	ng	0.00
25) Fluoranthene-d10	19.76	212	72098	0.29	ng	0.00
29) Terphenyl-d14	20.33	244	13500	0.37	ng	0.00

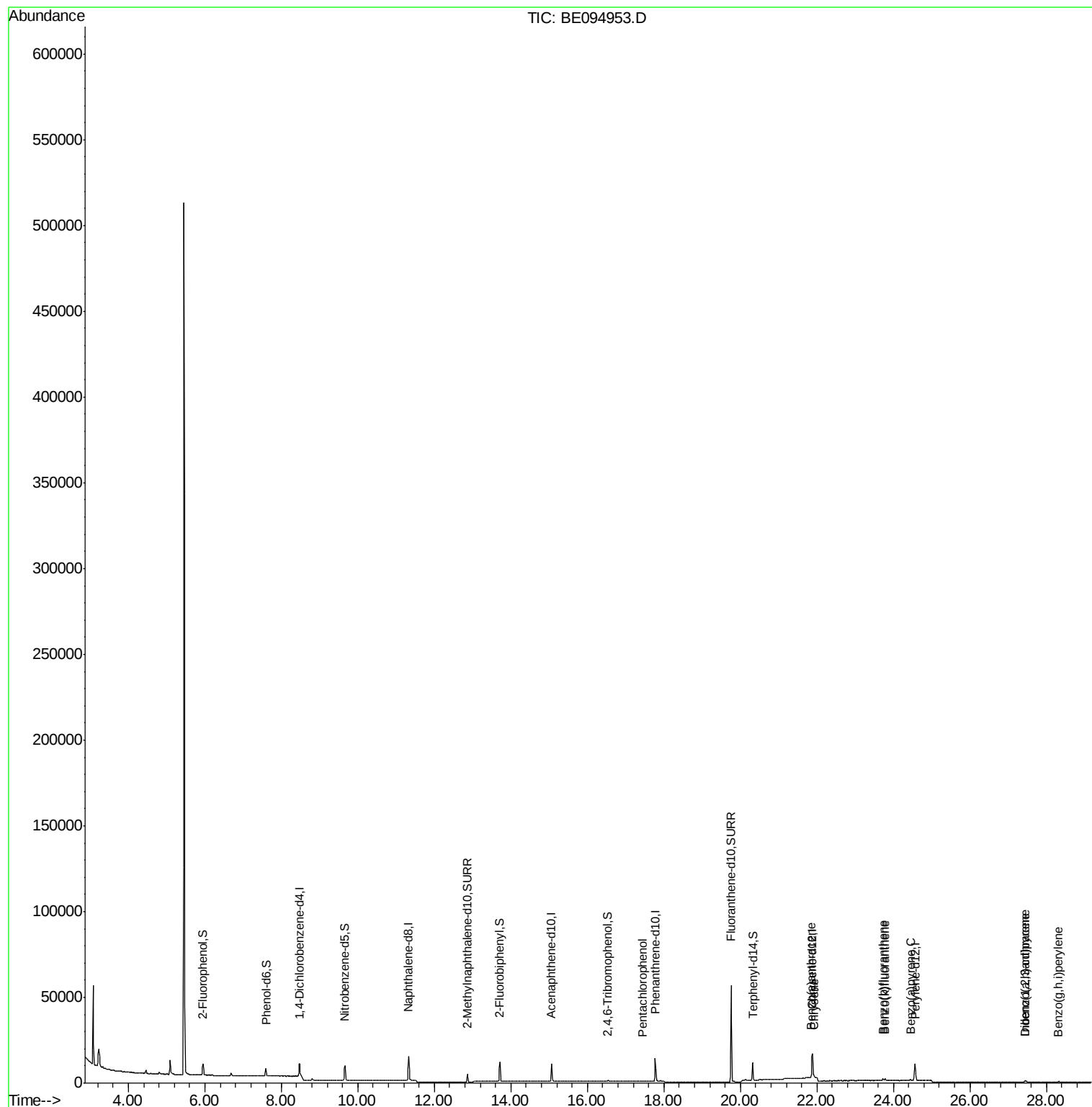
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.43	266	7	0.135	ng	96
30) Benzo(a)anthracene	21.85	228	1650	0.027	ng	# 66
31) Chrysene	21.92	228	2347	0.035	ng	# 66
33) Indeno(1,2,3-cd)pyrene	27.43	276	1689	0.031	ng	# 86
35) Benzo(b)fluoranthene	23.73	252	1736	0.030	ng	# 61
36) Benzo(k)fluoranthene	23.78	252	1592	0.027	ng	# 62
37) Benzo(a)pyrene	24.44	252	1487	0.029	ng	# 66
38) Dibenzo(a,h)anthracene	27.45	278	1409	0.030	ng	# 67
39) Benzo(g,h,i)perylene	28.32	276	1502	0.032	ng	# 62

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094953.D
Acq On : 8 Dec 2017 17:47
Operator : SJ/JU
Sample : PB104842BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB104842BL

Quant Time: Dec 09 00:26:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

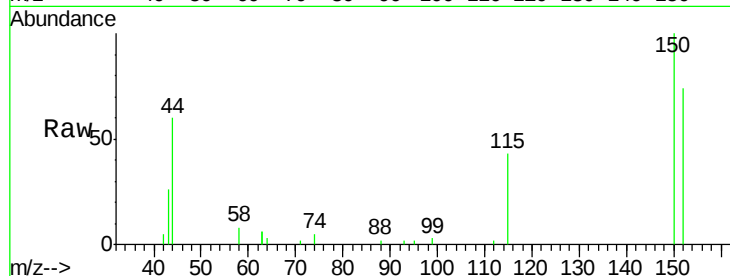
Tot Ion:152 Resp: 7265

Ion Ratio Lower Upper

152 100

150 135.6 117.2 175.8

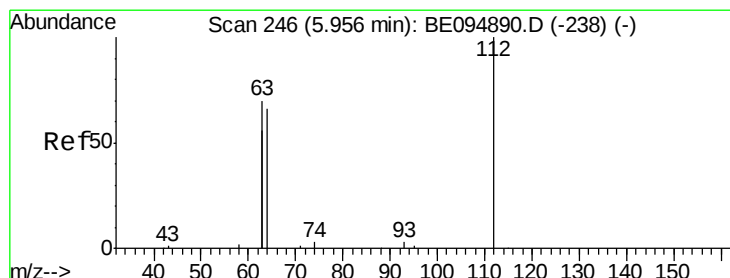
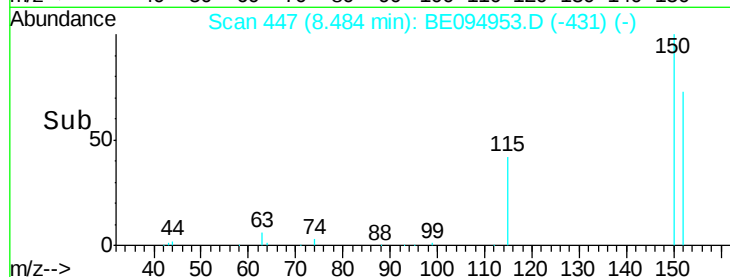
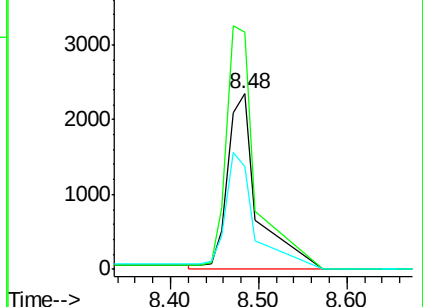
115 58.8 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.282 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

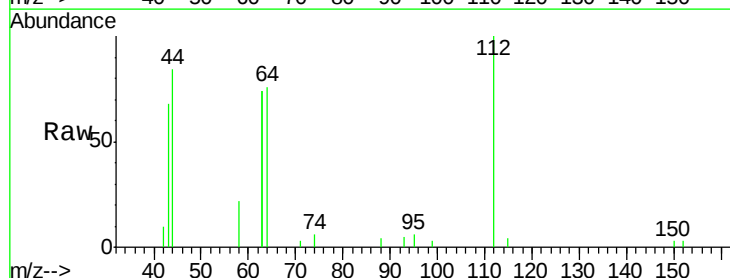
Tgt Ion:112 Resp: 3244

Ion Ratio Lower Upper

112 100

64 78.6 60.1 90.1

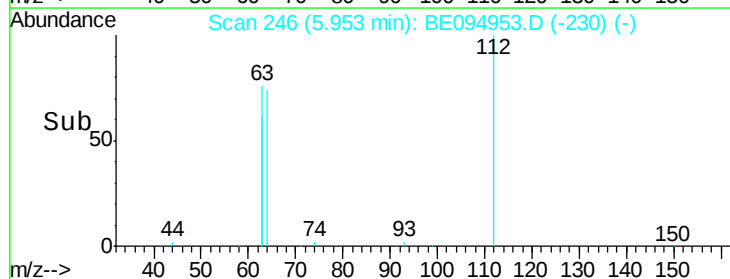
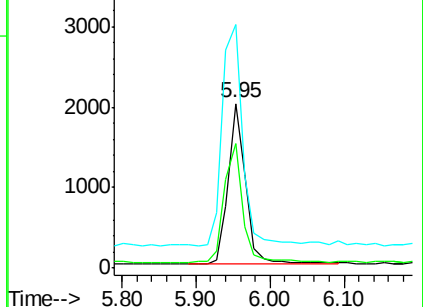
63 162.9 116.8 175.2

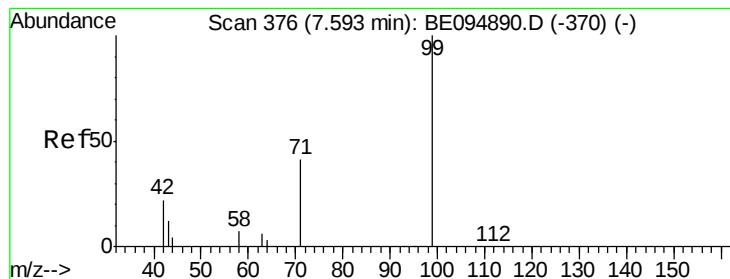


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.272 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

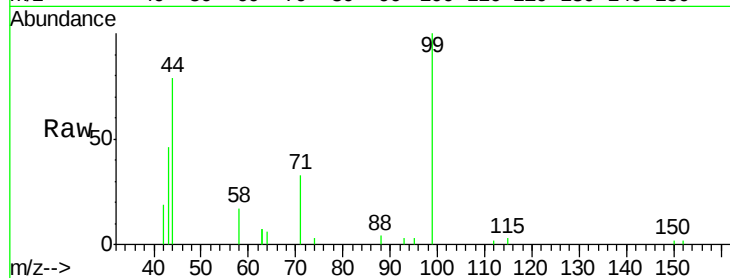
Tot Ion: 99 Resp: 4634

Ion Ratio Lower Upper

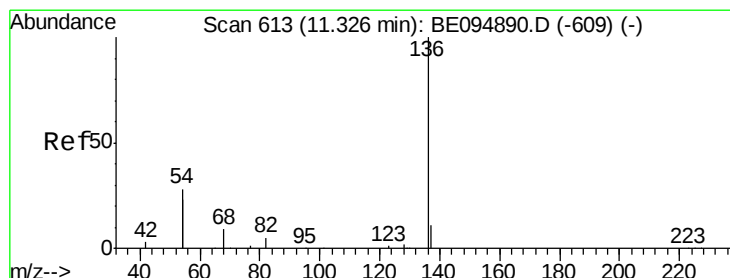
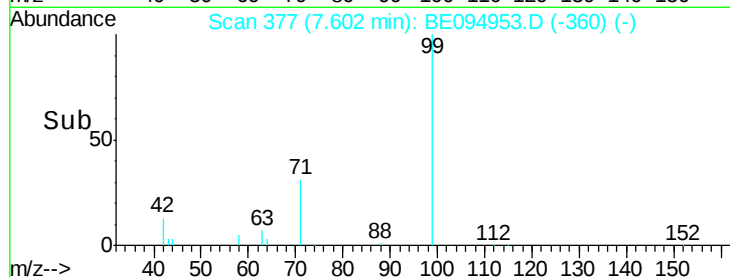
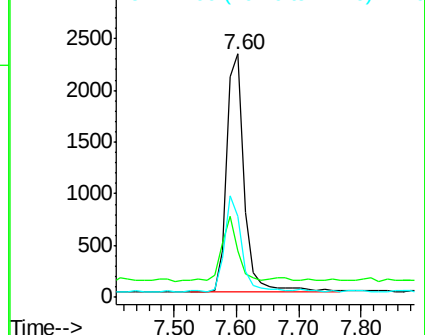
99 100

42 24.5 20.2 30.2

71 37.9 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: 11.33 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Tgt Ion: 136 Resp: 15072

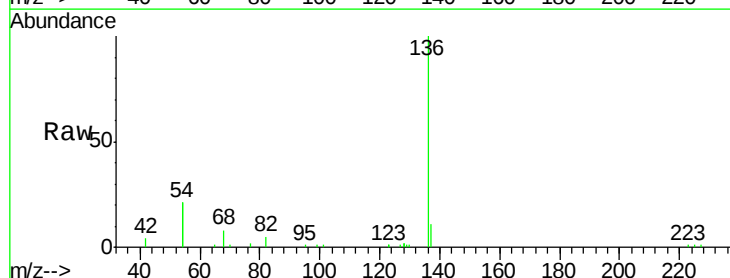
Ion Ratio Lower Upper

136 100

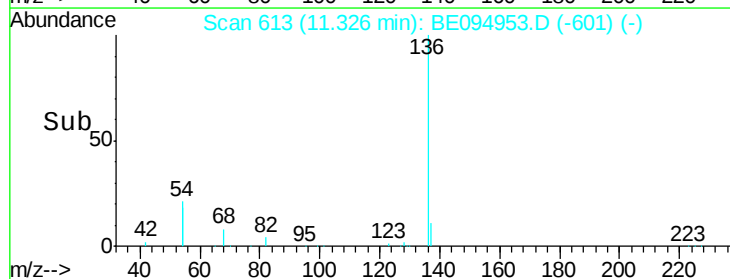
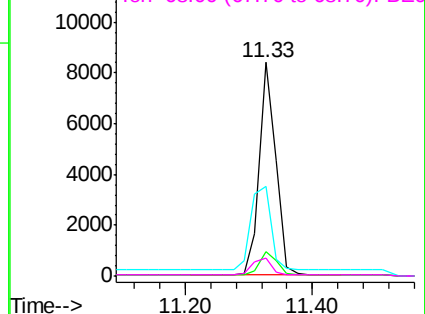
137 11.5 9.5 14.3

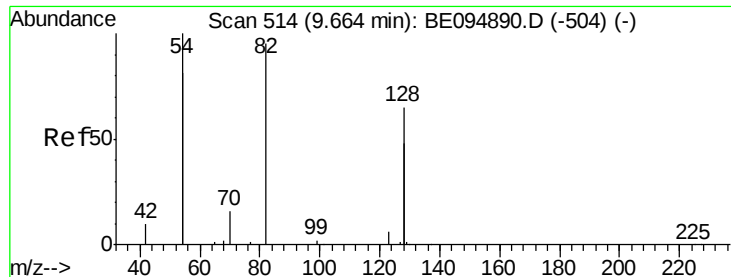
54 42.1 29.1 43.7

68 8.2 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: 0.425 ng

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

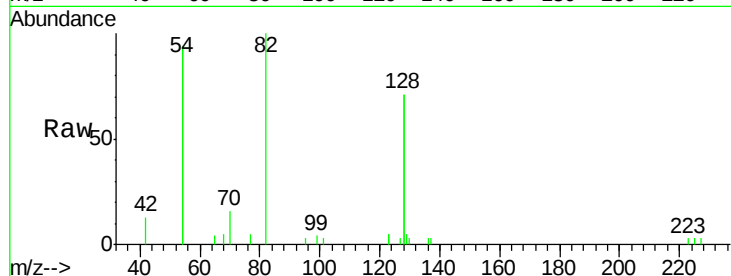
Tot Ion: 82 Resp: 3788

Ion Ratio Lower Upper

82 100

128 141.5 150.0 225.0#

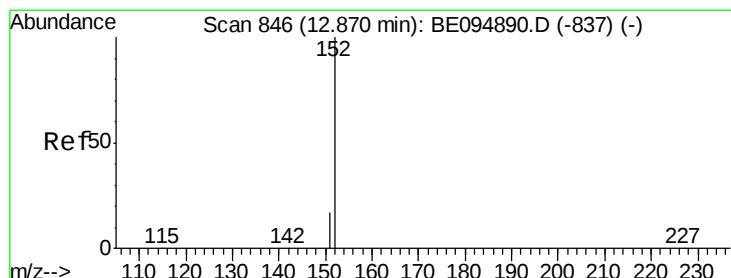
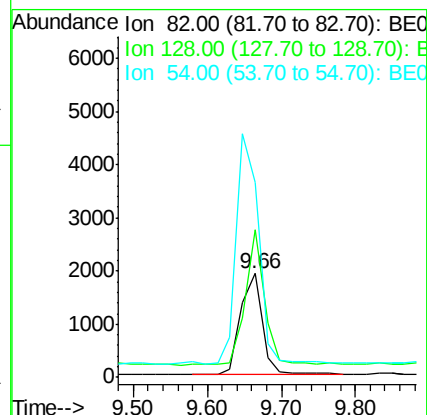
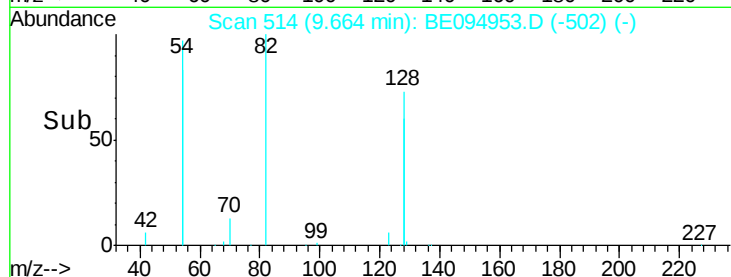
54 188.1 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.291 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094953.D

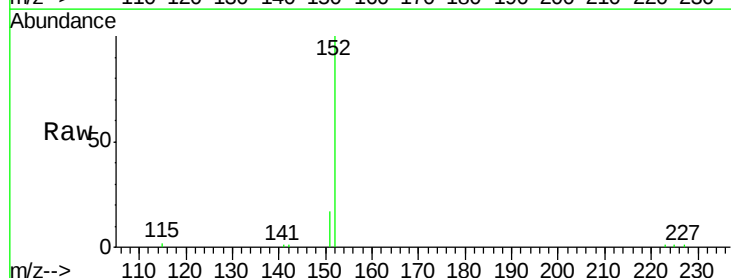
Acq: 8 Dec 2017 17:47

Tgt Ion: 152 Resp: 7004

Ion Ratio Lower Upper

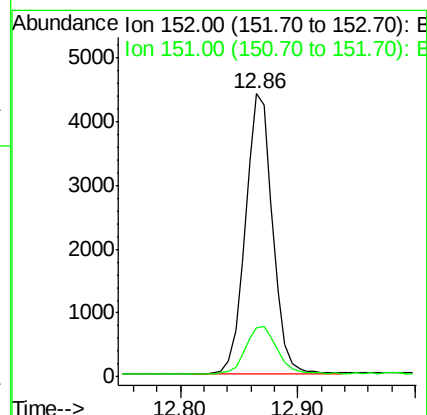
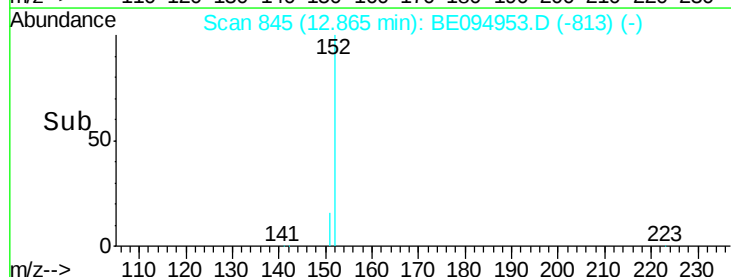
152 100

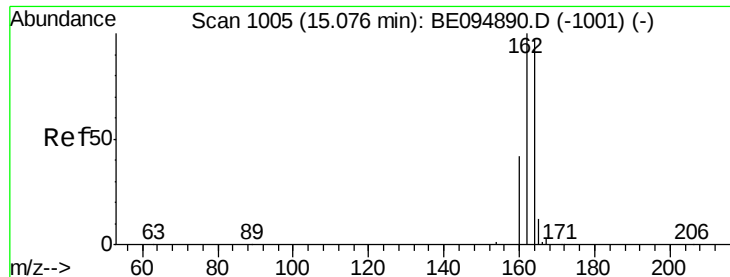
151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampled :

PB104842BL

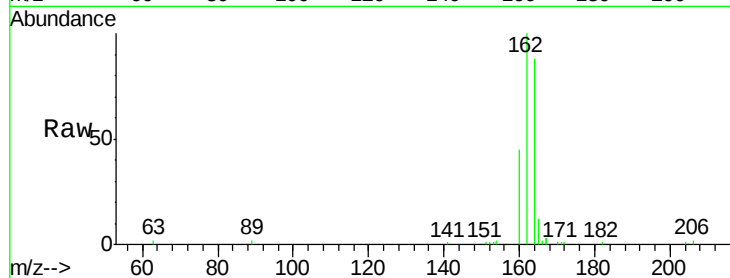
Tot Ion:164 Resp: 7388

Ion Ratio Lower Upper

164 100

162 113.3 83.1 124.7

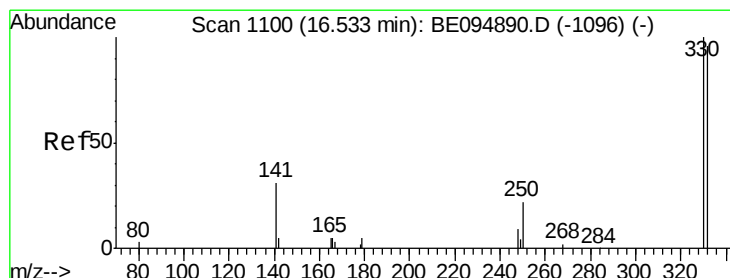
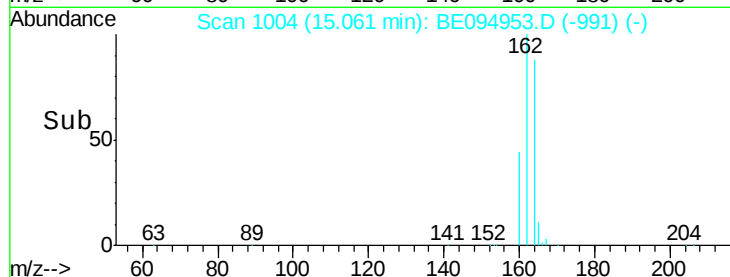
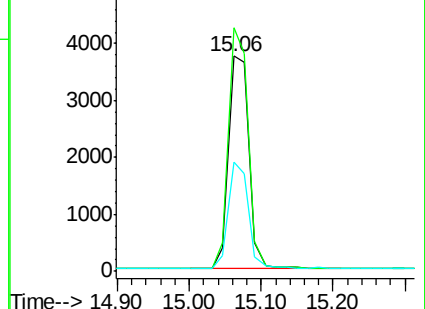
160 50.8 37.1 55.7



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: 0.320 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

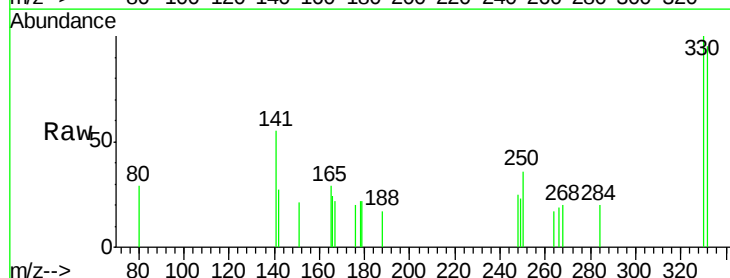
Tgt Ion:330 Resp: 425

Ion Ratio Lower Upper

330 100

332 91.1 152.7 229.1#

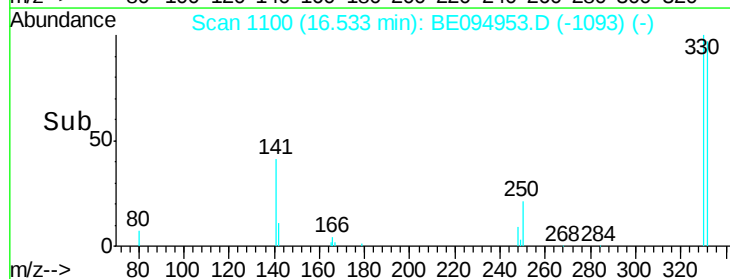
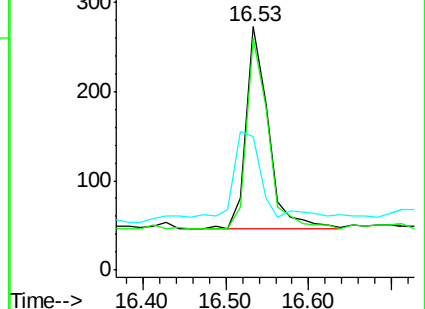
141 49.6 33.7 50.5

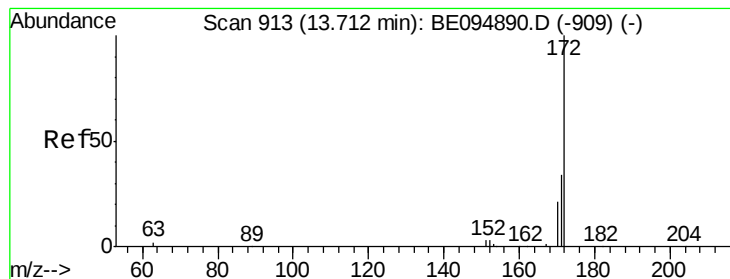


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.346 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

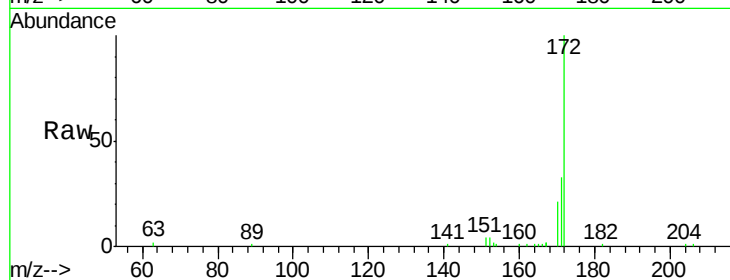
Tot Ion:172 Resp: 10943

Ion Ratio Lower Upper

172 100

171 33.5 29.9 44.9

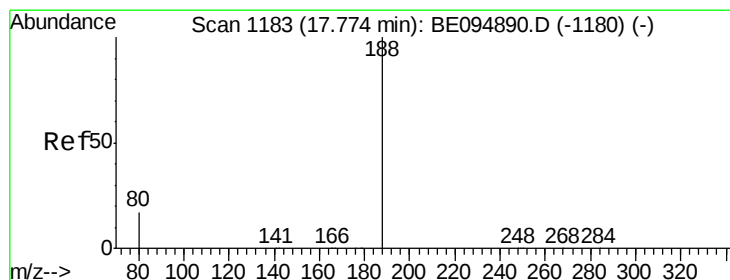
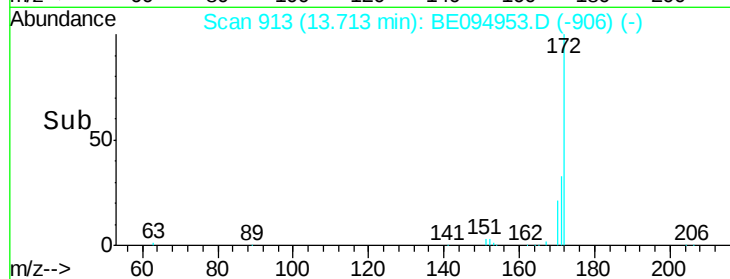
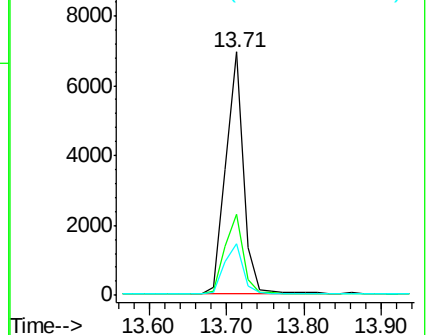
170 21.1 21.8 32.8#



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: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

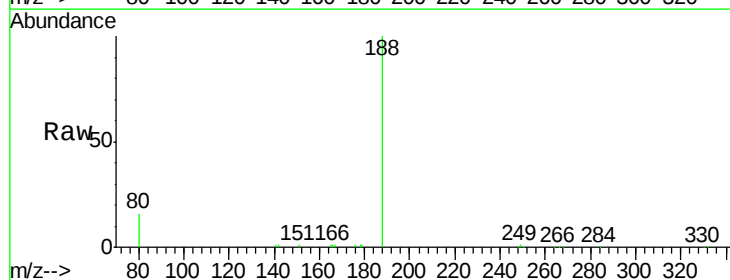
Tgt Ion:188 Resp: 18507

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

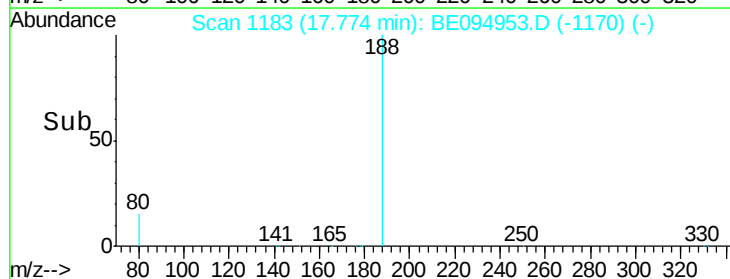
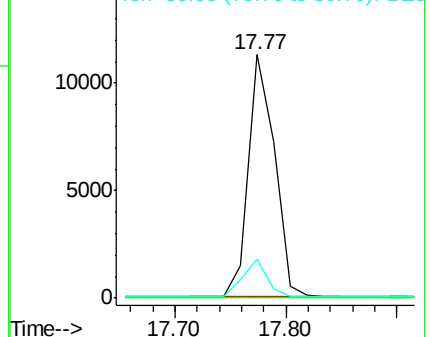
80 15.9 3.6 5.4#

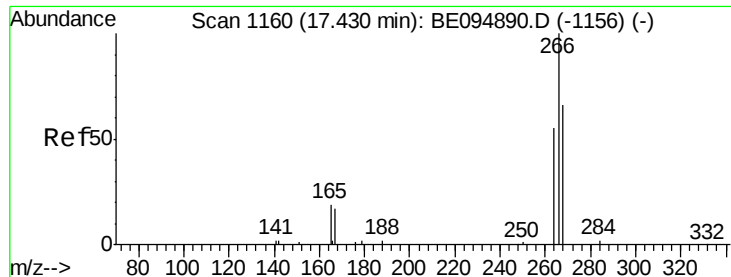


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

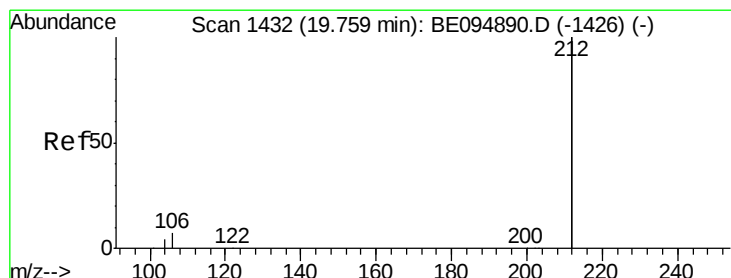
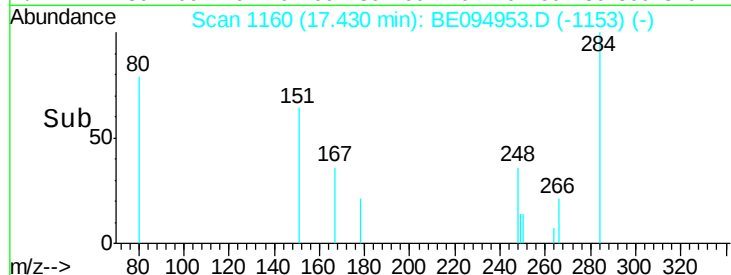
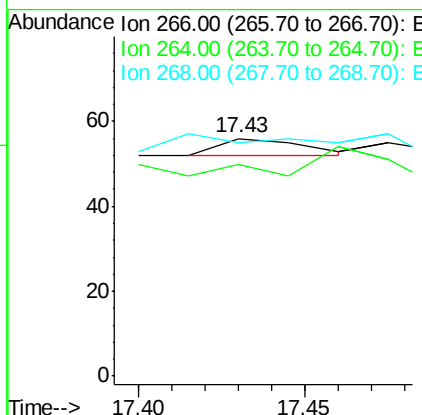
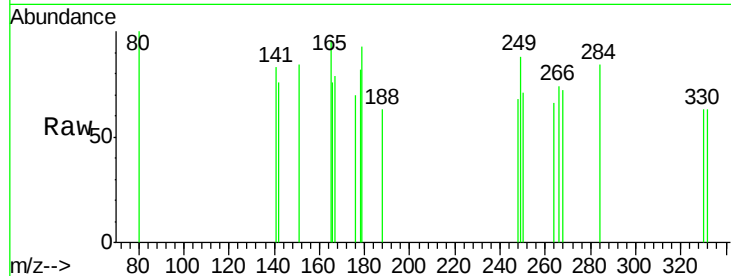




#22
 Pentachlorophenol
 Concen: 0.135 ng
 RT: 17.43 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BE094953.D
 Acq: 8 Dec 2017 17:47

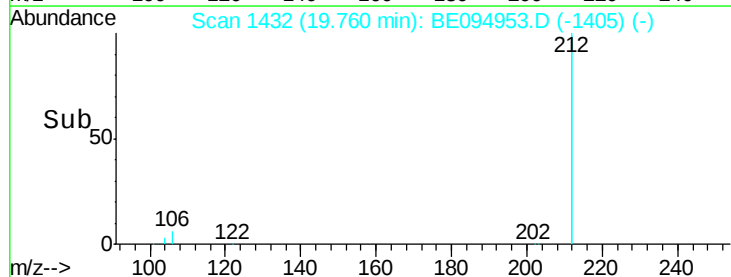
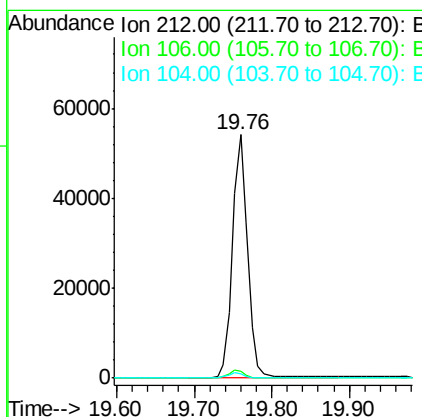
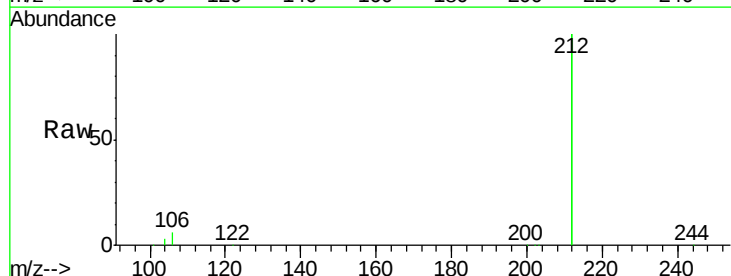
Instrument :
 BNA_E
 ClientSampleId :
 PB104842BL

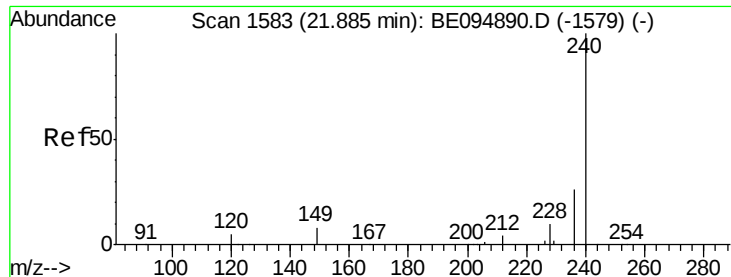
Tot Ion:266 Resp: 7
 Ion Ratio Lower Upper
 266 100
 264 89.3 72.5 108.7
 268 98.2 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.285 ng
 RT: 19.76 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BE094953.D
 Acq: 8 Dec 2017 17:47

Tgt Ion:212 Resp: 72098
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.8 4.2
 104 2.0 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.89 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

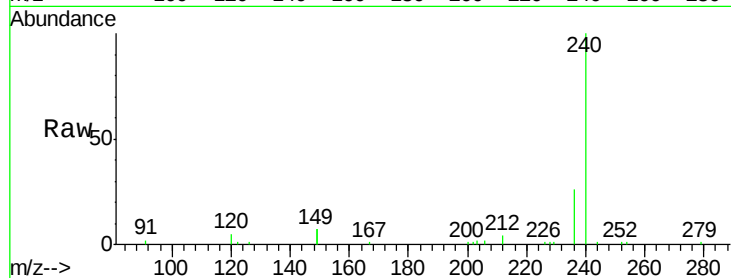
Tot Ion:240 Resp: 19773

Ion Ratio Lower Upper

240 100

120 4.8 5.5 8.3#

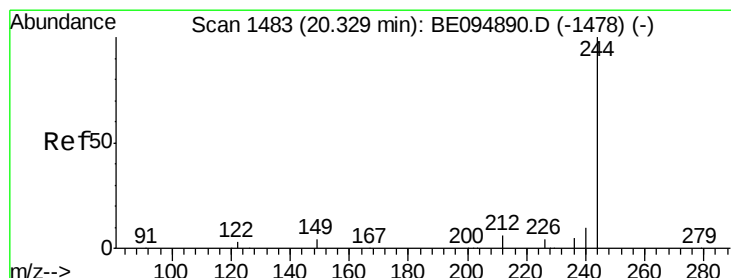
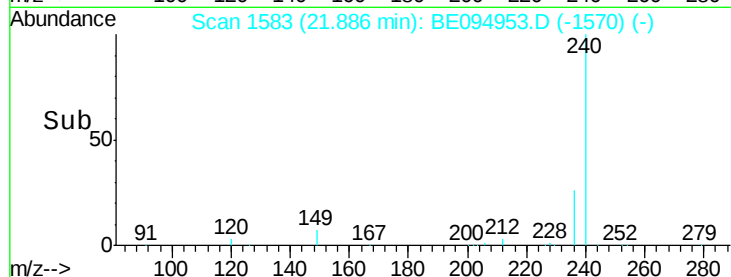
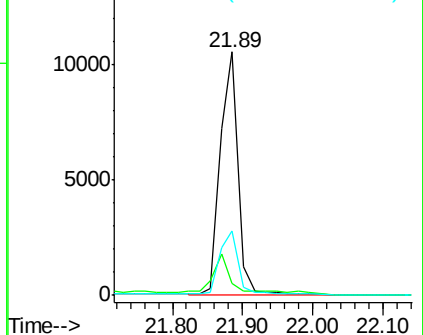
236 26.5 20.7 31.1



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: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

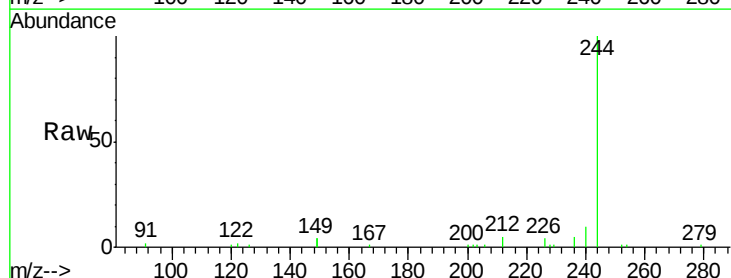
Tgt Ion:244 Resp: 13500

Ion Ratio Lower Upper

244 100

212 5.1 25.4 38.0#

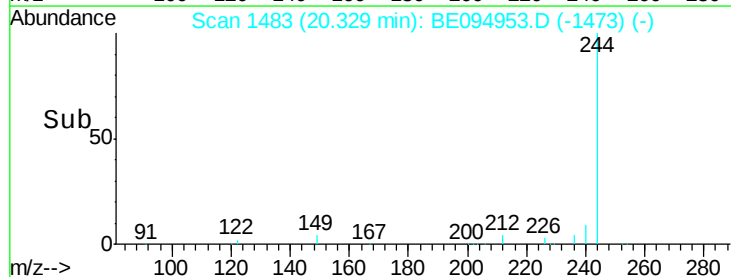
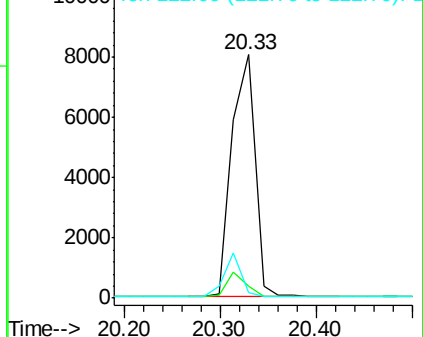
122 2.4 8.1 12.1#

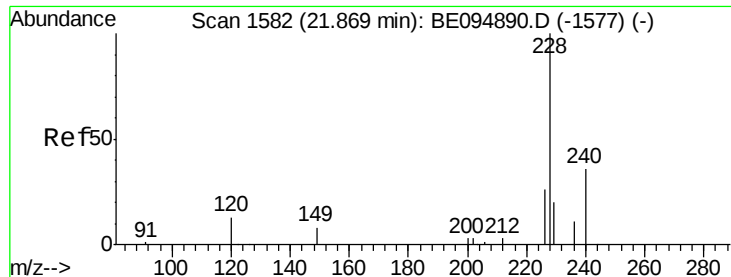


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.027 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

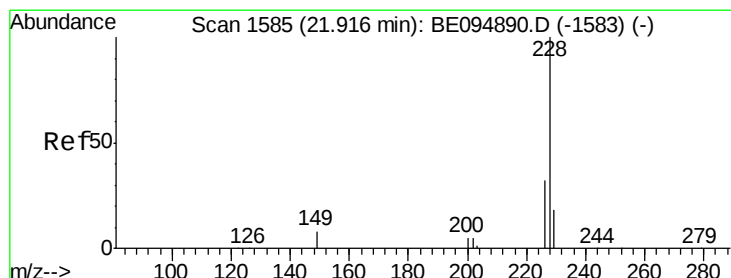
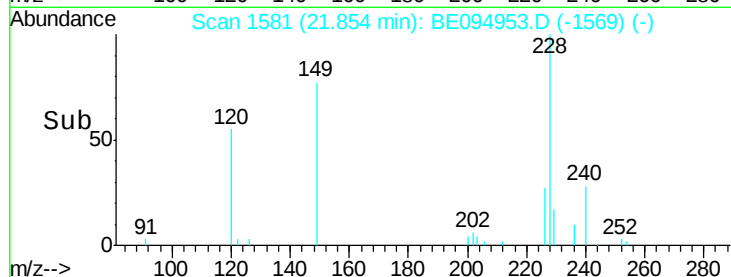
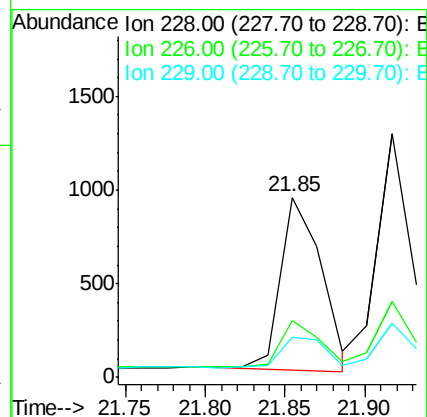
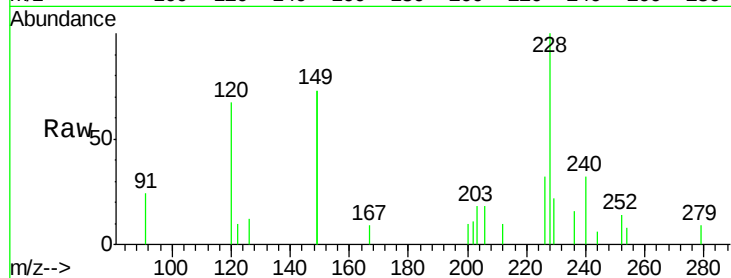
Tot Ion:228 Resp: 1650

Ion Ratio Lower Upper

228 100

226 31.7 40.0 60.0#

229 22.0 40.0 60.0#



#31

Chrysene

Concen: 0.035 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

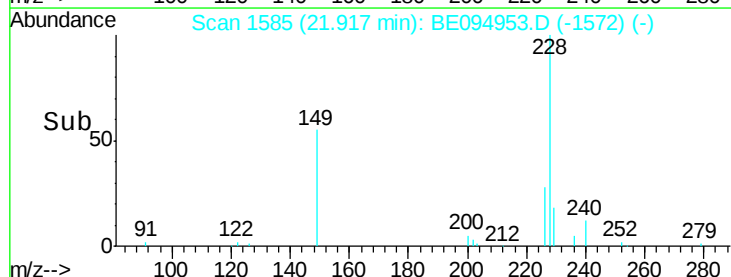
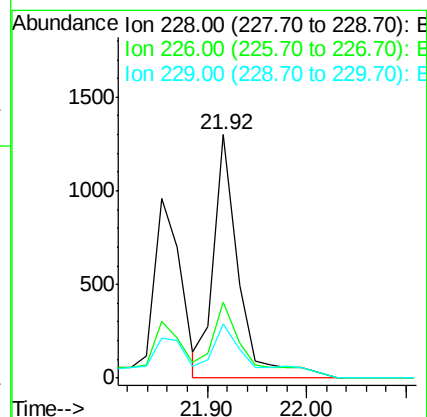
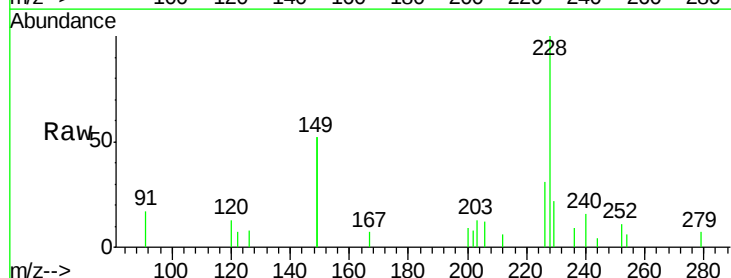
Tgt Ion:228 Resp: 2347

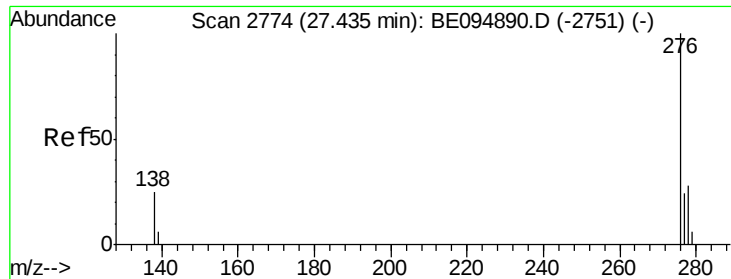
Ion Ratio Lower Upper

228 100

226 31.2 40.0 60.0#

229 22.0 40.0 60.0#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.031 ng

RT: 27.43 min Scan# 2773

Delta R.T. -0.01 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

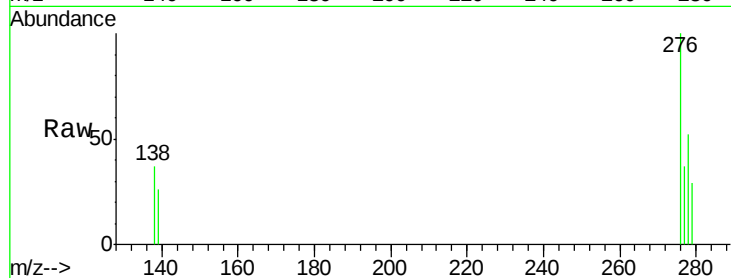
Tot Ion:276 Resp: 1689

Ion Ratio Lower Upper

276 100

138 14.7 22.5 33.7#

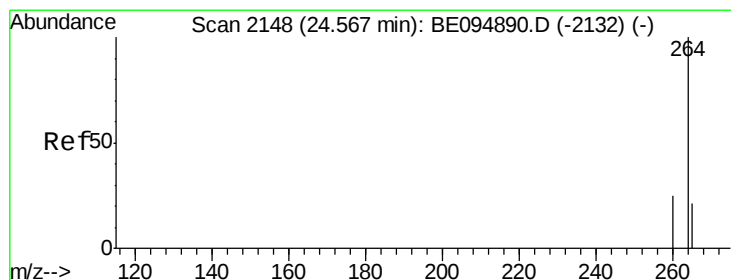
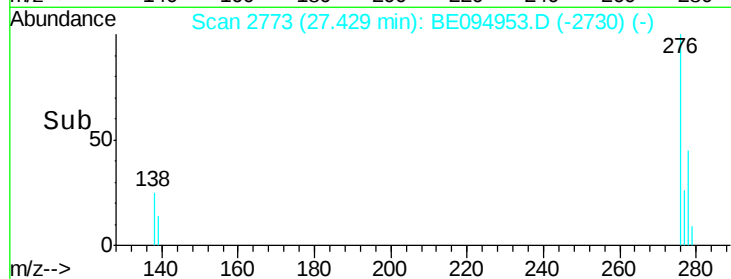
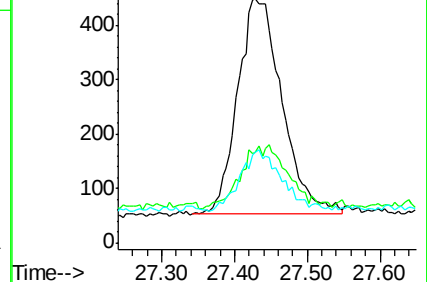
277 25.9 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.56 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

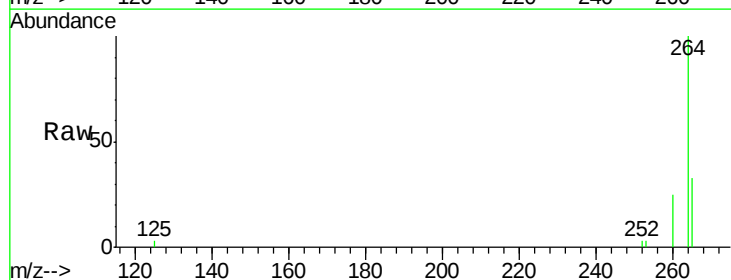
Tgt Ion:264 Resp: 16001

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

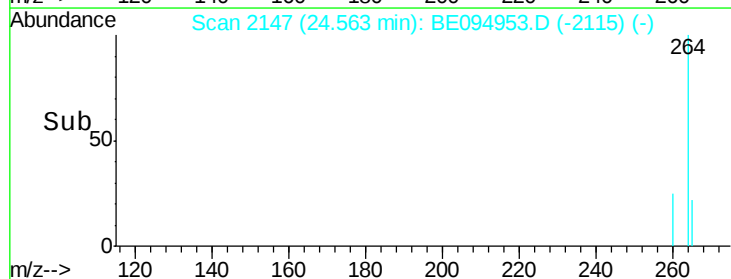
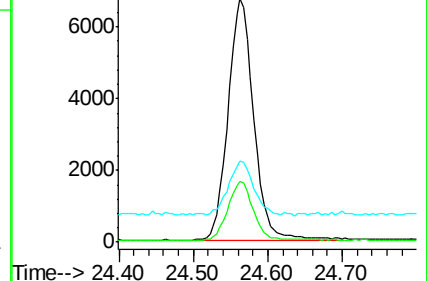
265 33.0 22.8 34.2

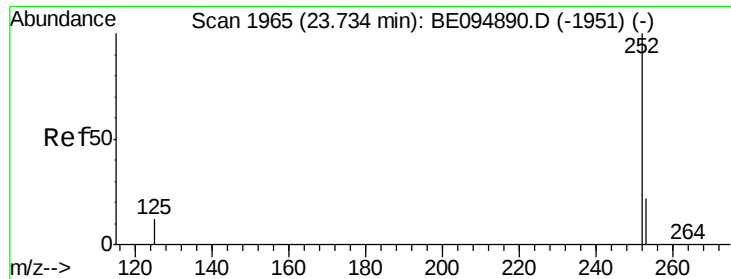


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.030 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

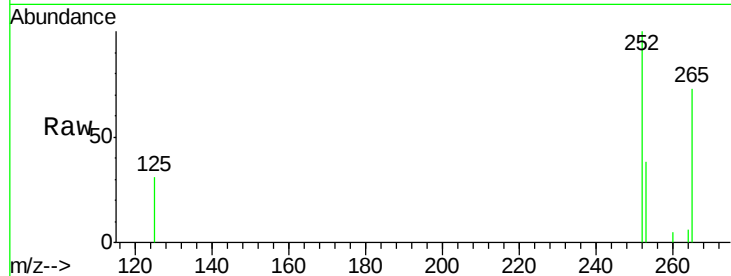
Tot Ion:252 Resp: 1736

Ion Ratio Lower Upper

252 100

253 38.3 48.0 72.0#

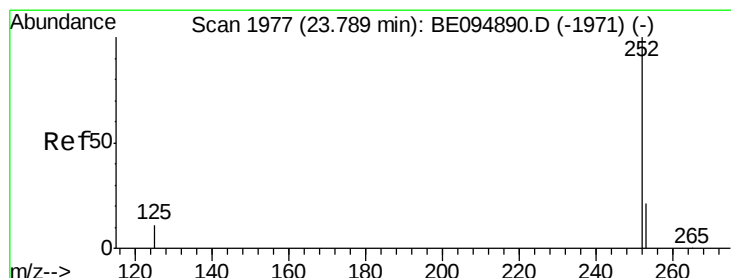
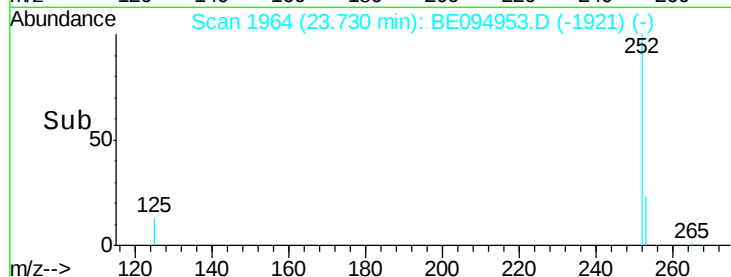
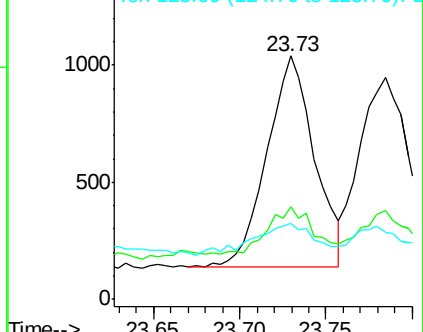
125 31.4 56.0 84.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 23.78 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

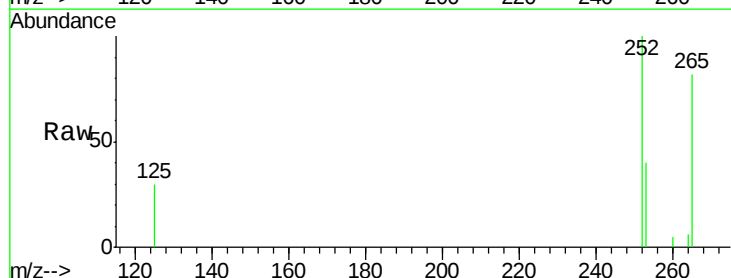
Tgt Ion:252 Resp: 1592

Ion Ratio Lower Upper

252 100

253 40.3 48.0 72.0#

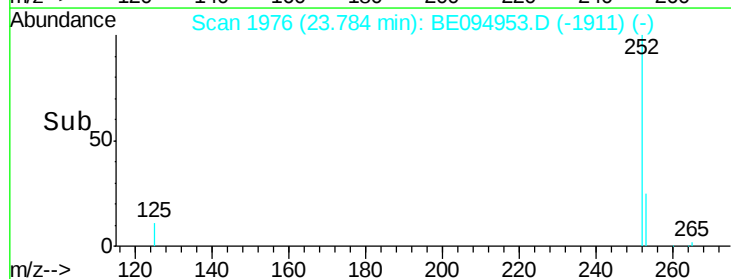
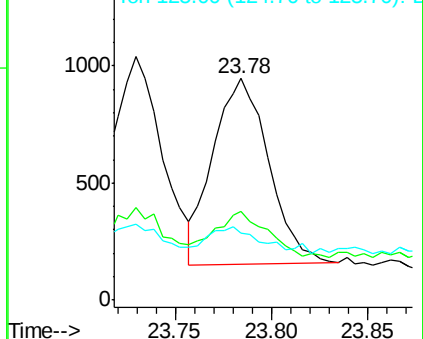
125 30.4 56.0 84.0#

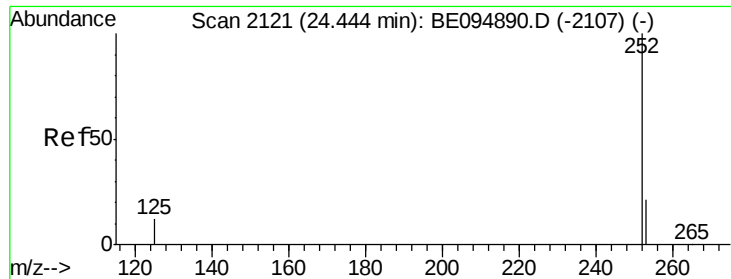


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.029 ng

RT: 24.44 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

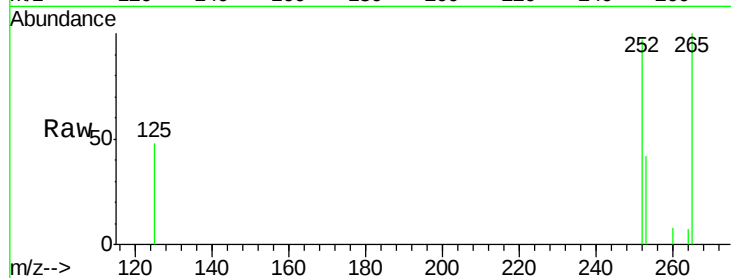
Tot Ion:252 Resp: 1487

Ion Ratio Lower Upper

252 100

253 42.7 52.0 78.0#

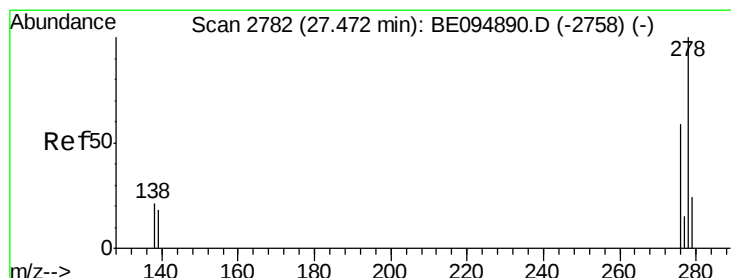
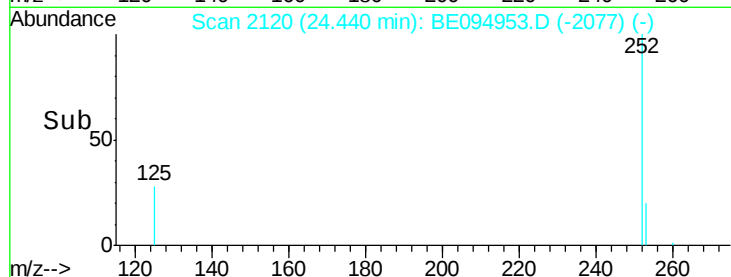
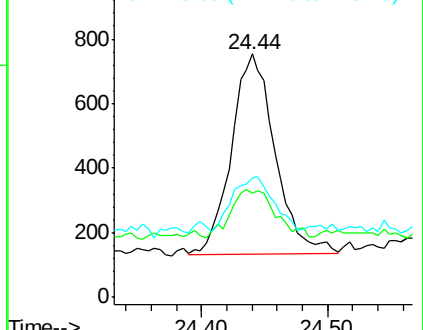
125 49.2 68.0 102.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.030 ng

RT: 27.45 min Scan# 2778

Delta R.T. -0.02 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

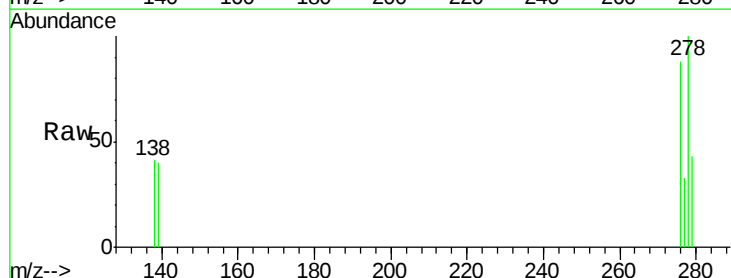
Tgt Ion:278 Resp: 1409

Ion Ratio Lower Upper

278 100

139 39.9 56.0 84.0#

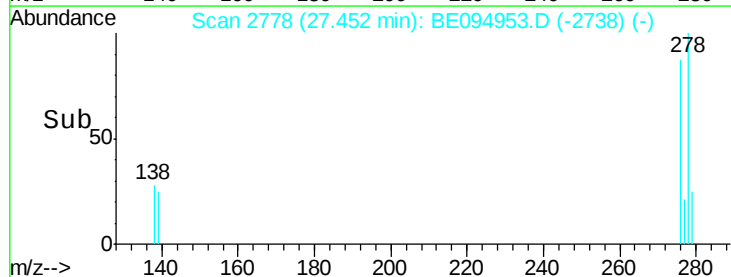
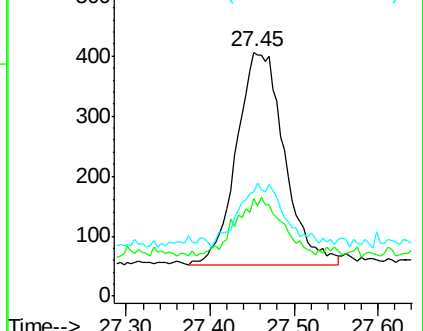
279 42.6 52.0 78.0#

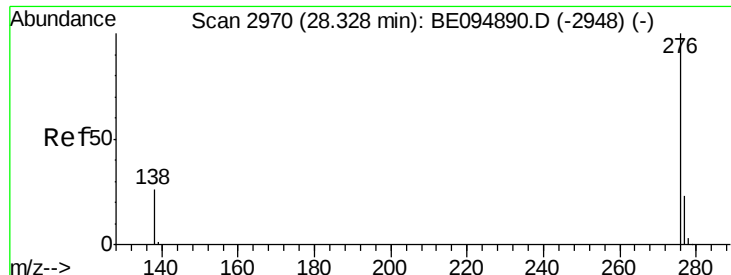


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.032 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BE094953.D

Acq: 8 Dec 2017 17:47

Instrument :

BNA_E

ClientSampleId :

PB104842BL

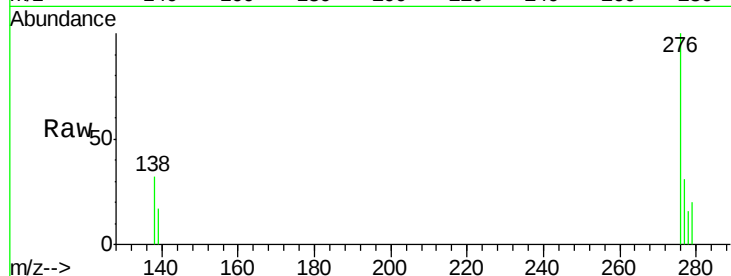
Tot Ion: 276 Resp: 1502

Ion Ratio Lower Upper

276 100

277 31.5 52.0 78.0#

138 32.0 44.0 66.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

