

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121417\
 Data File : BE094985.D
 Acq On : 14 Dec 2017 20:12
 Operator : SJ/JU
 Sample : PB104984BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104984BL

Quant Time: Dec 15 08:11:46 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7245	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	15275	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7588	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	17989	0.40	ng	0.00
27) Chrysene-d12	21.87	240	18827	0.40	ng	0.00
34) Perylene-d12	24.55	264	14772	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	3101	0.28	ng	0.00
5) Phenol-d6	7.59	99	4298	0.26	ng	0.00
8) Nitrobenzene-d5	9.65	82	4052	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	7490	0.30	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	404	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	11825	0.35	ng	0.00
25) Fluoranthene-d10	19.75	212	70812	0.30	ng	0.00
29) Terphenyl-d14	20.31	244	13905	0.39	ng	0.00

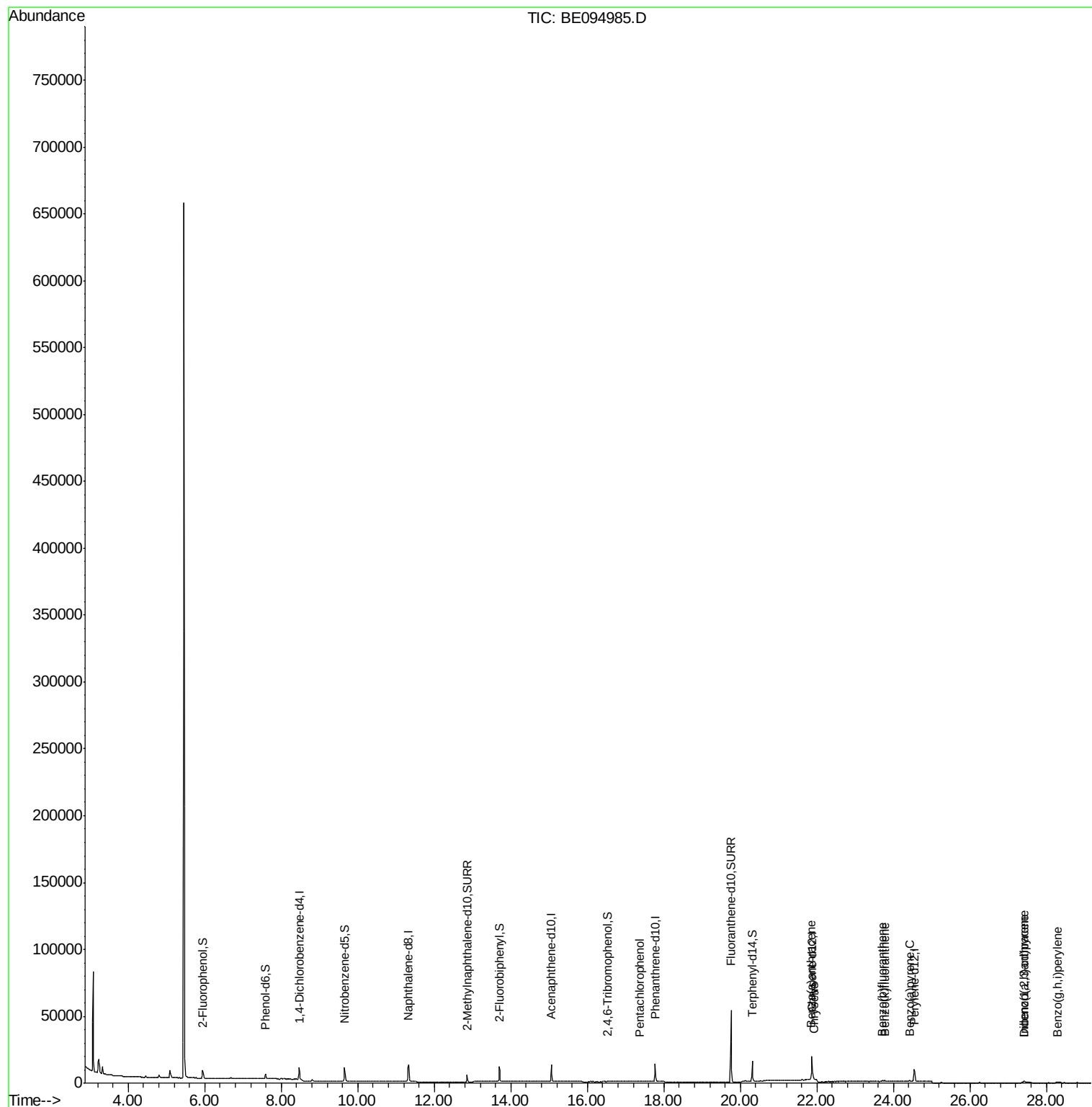
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.37	266	13	0.084	ng	97
30) Benzo(a)anthracene	21.85	228	1520	0.028	ng	# 69
31) Chrysene	21.92	228	2211	0.036	ng	# 70
33) Indeno(1,2,3-cd)pyrene	27.41	276	1506	0.030	ng	99
35) Benzo(b)fluoranthene	23.72	252	1710	0.032	ng	# 84
36) Benzo(k)fluoranthene	23.77	252	1504	0.027	ng	# 62
37) Benzo(a)pyrene	24.43	252	1339	0.028	ng	# 51
38) Dibenzo(a,h)anthracene	27.43	278	1242	0.028	ng	# 65
39) Benzo(g,h,i)perylene	28.29	276	1447	0.033	ng	# 80

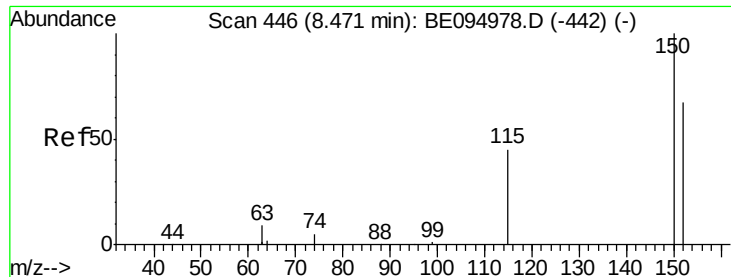
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

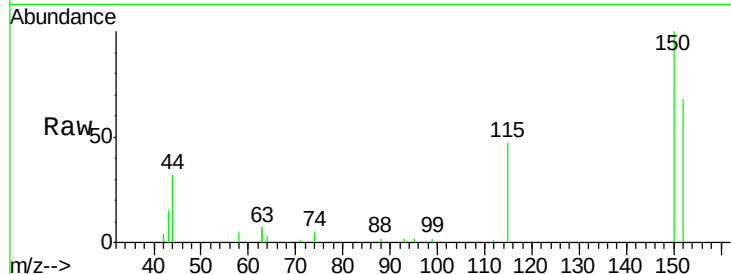
Tgt Ion:152 Resp: 7245

Ion Ratio Lower Upper

152 100

150 148.1 117.2 175.8

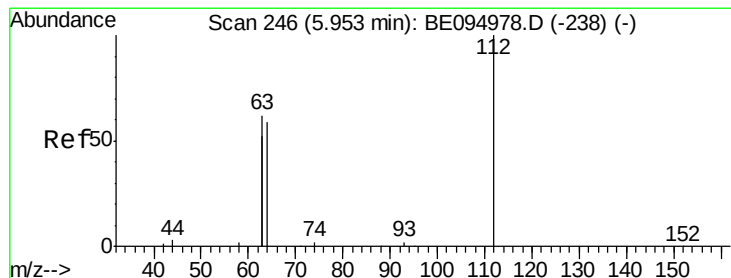
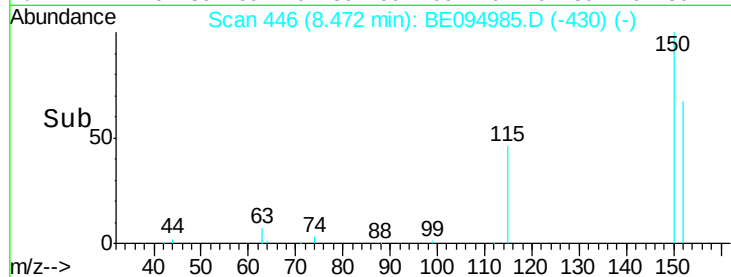
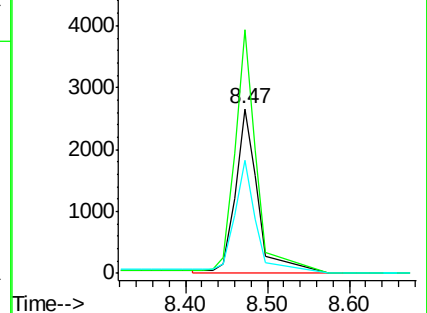
115 69.1 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.276 ng

RT: 5.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

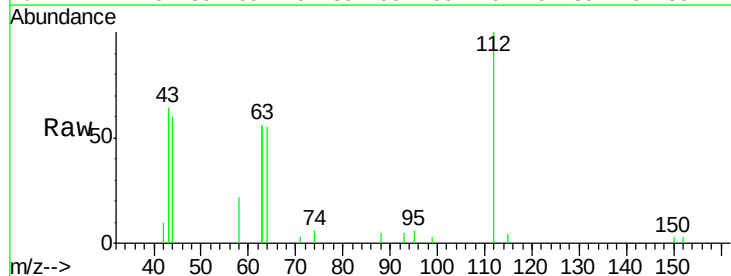
Tgt Ion:112 Resp: 3101

Ion Ratio Lower Upper

112 100

64 77.3 60.1 90.1

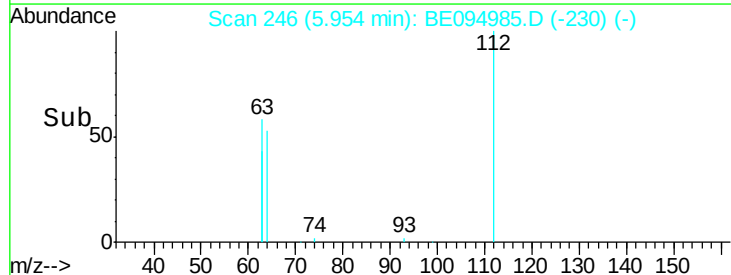
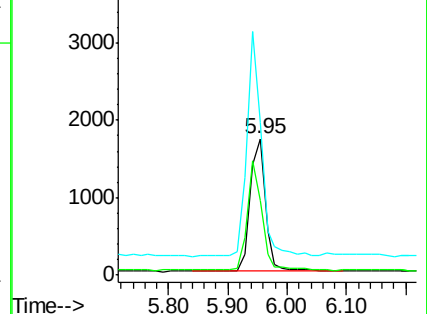
63 155.3 116.8 175.2

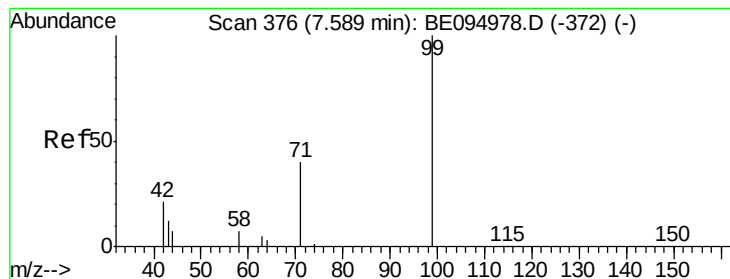


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.257 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

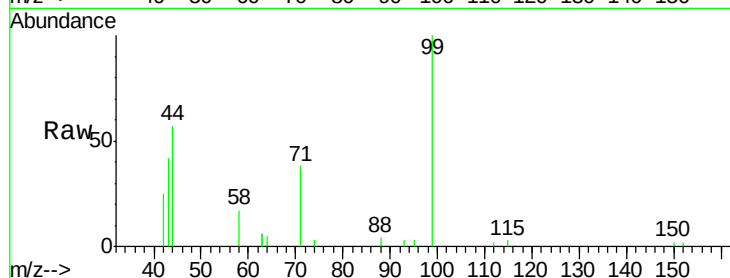
Tgt Ion: 99 Resp: 4298

Ion Ratio Lower Upper

99 100

42 20.8 20.2 30.2

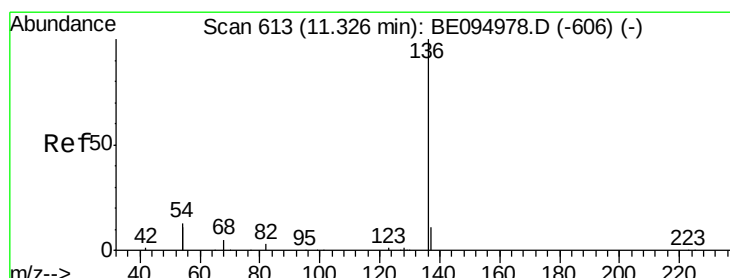
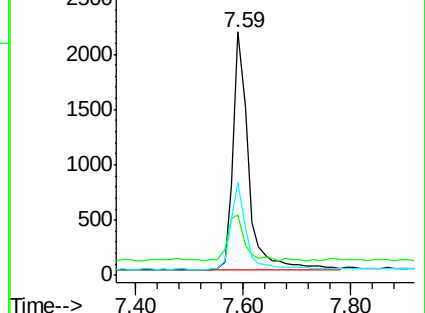
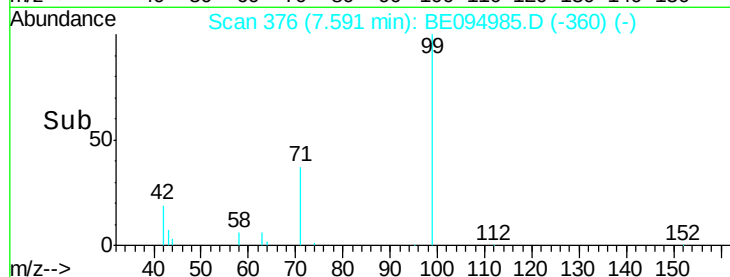
71 38.1 28.4 42.6



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: BE094985.D

Acq: 14 Dec 2017 20:12

Tgt Ion: 136 Resp: 15275

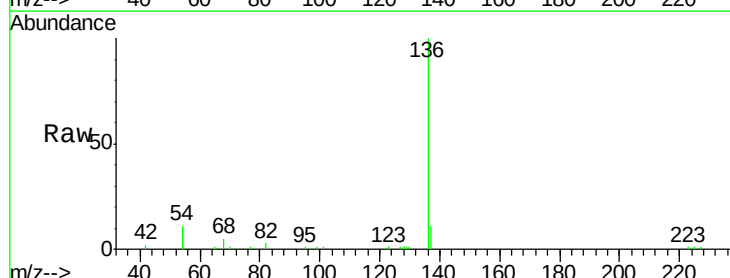
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 22.3 29.1 43.7#

68 5.0 6.2 9.2#

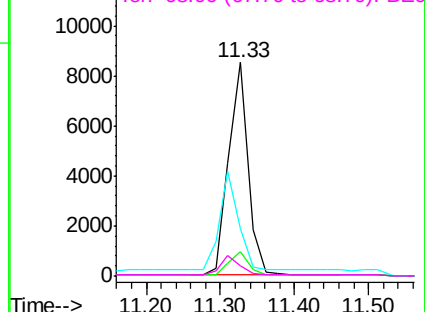
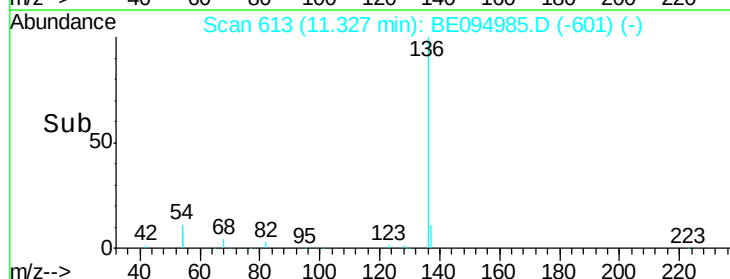


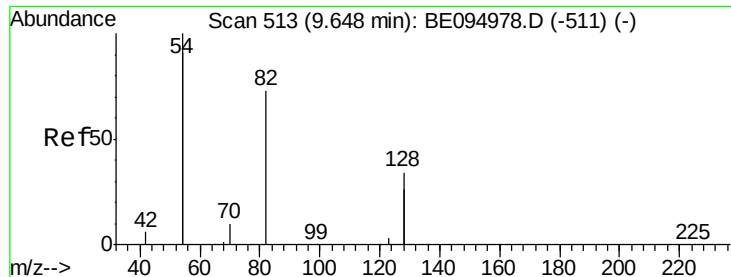
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.323 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

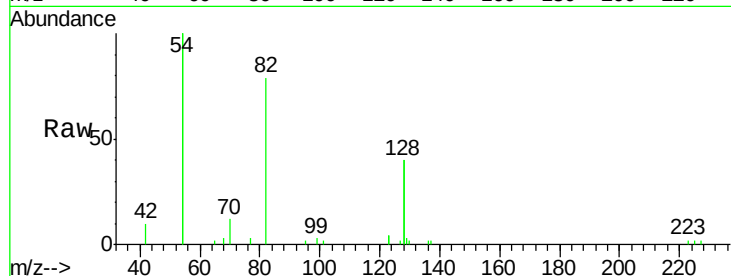
Tgt Ion: 82 Resp: 4052

Ion Ratio Lower Upper

82 100

128 99.9 150.0 225.0#

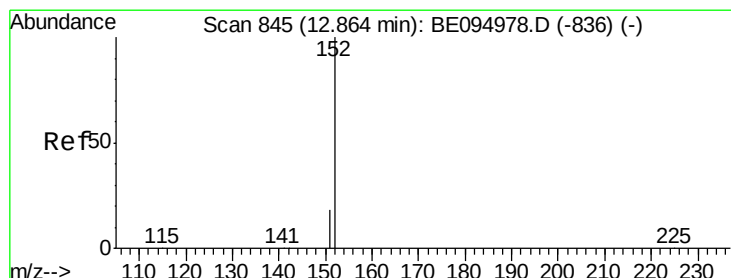
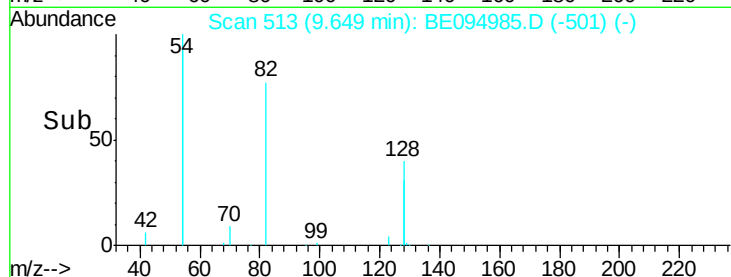
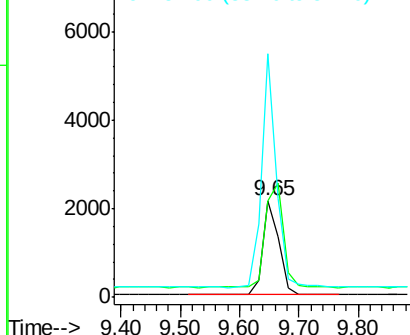
54 252.3 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE094978.D (-511) (-)

Ion 128.00 (127.70 to 128.70): BE094978.D (-511) (-)

Ion 54.00 (53.70 to 54.70): BE094978.D (-511) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.299 ng

RT: 12.86 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE094985.D

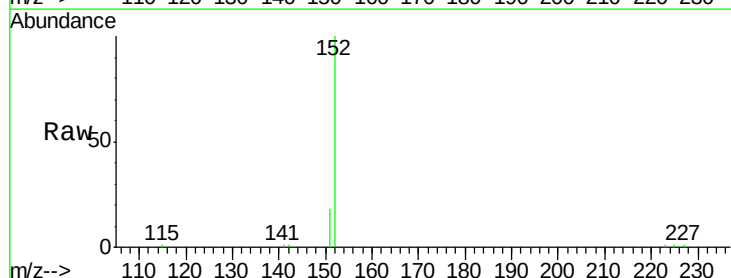
Acq: 14 Dec 2017 20:12

Tgt Ion: 152 Resp: 7490

Ion Ratio Lower Upper

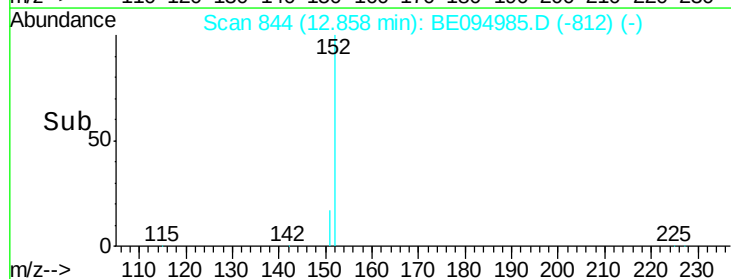
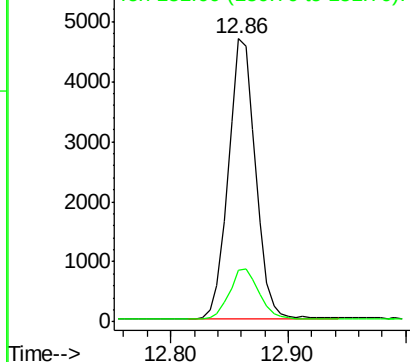
152 100

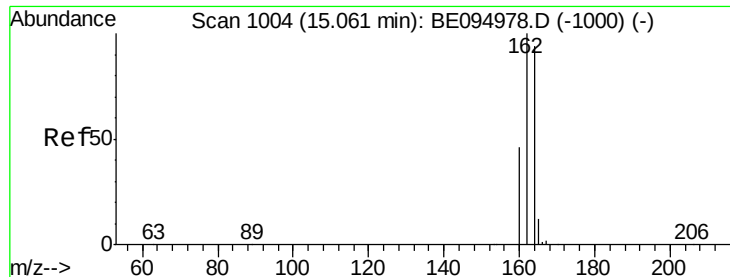
151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE094978.D (-836) (-)

Ion 151.00 (150.70 to 151.70): BE094978.D (-836) (-)

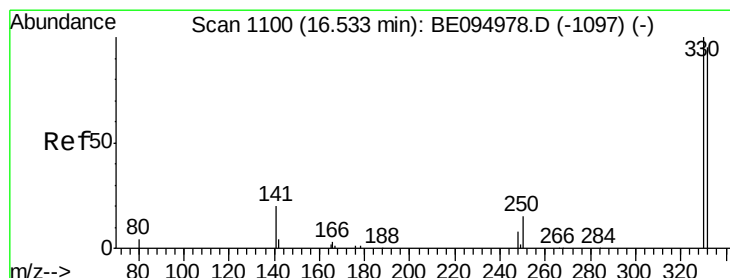
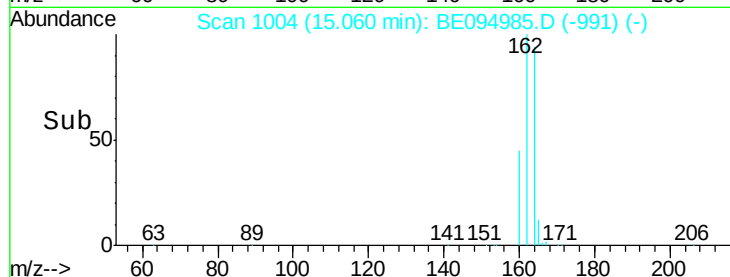
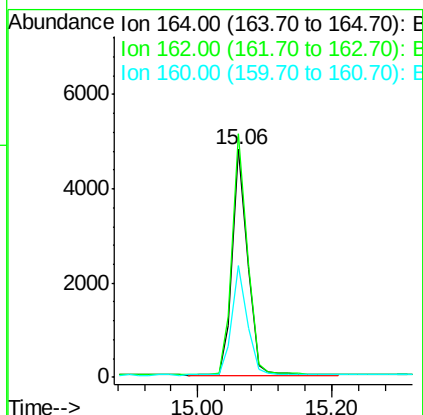
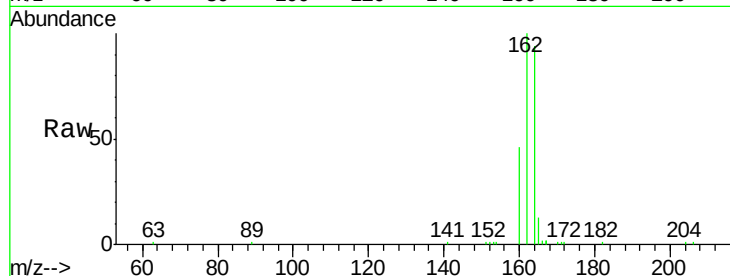




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

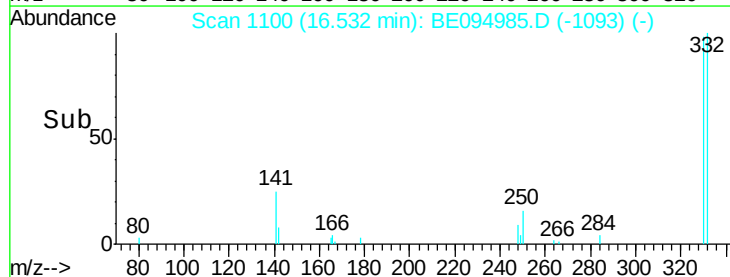
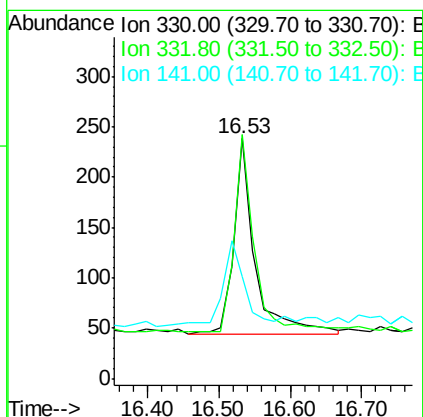
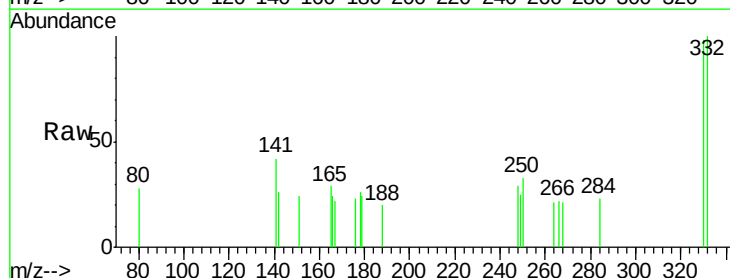
Instrument :
BNA_E
ClientSampleId :
PB104984BL

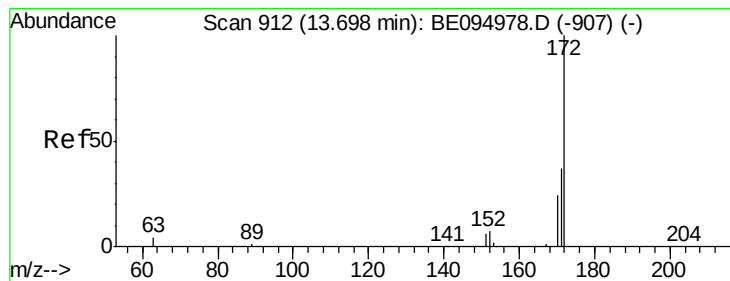
Tgt Ion:164 Resp: 7588
Ion Ratio Lower Upper
164 100
162 106.8 83.1 124.7
160 49.1 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

Tgt Ion:330 Resp: 404
Ion Ratio Lower Upper
330 100
332 91.8 152.7 229.1#
141 37.9 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.352 ng

RT: 13.70 min Scan# 912

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

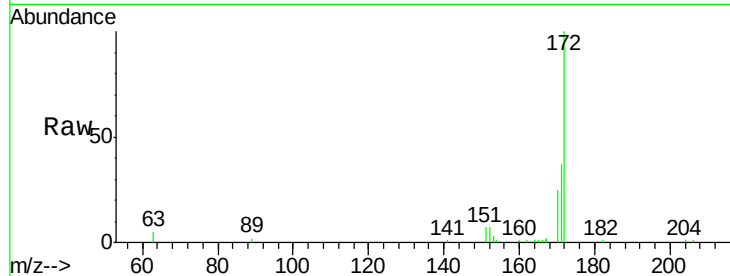
Tgt Ion:172 Resp: 11825

Ion Ratio Lower Upper

172 100

171 37.3 29.9 44.9

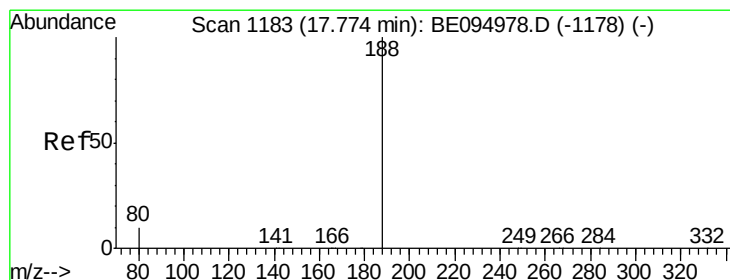
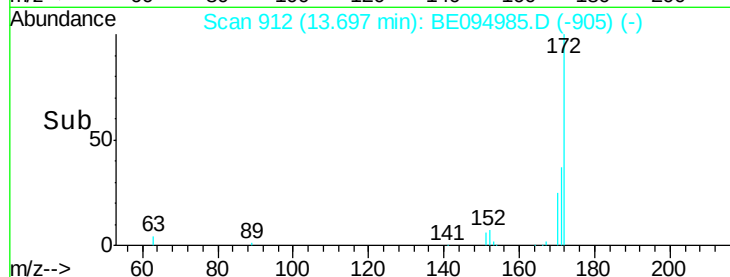
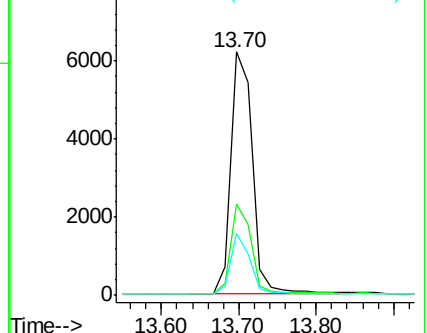
170 25.1 21.8 32.8



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: BE094985.D

Acq: 14 Dec 2017 20:12

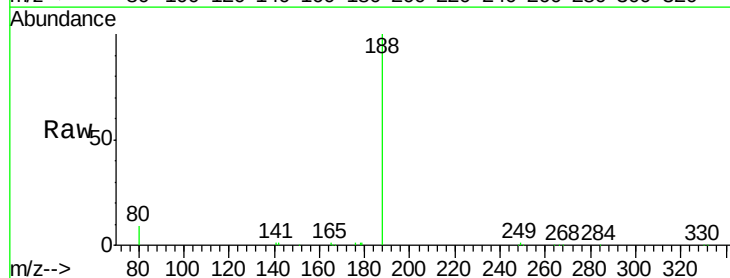
Tgt Ion:188 Resp: 17989

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

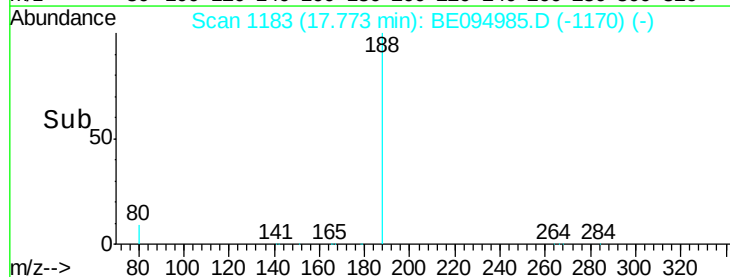
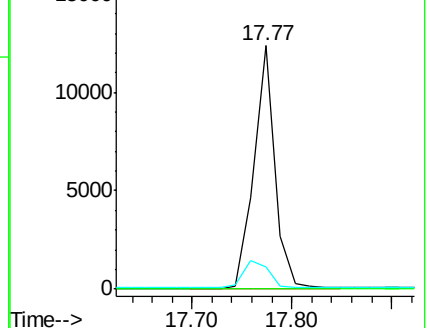
80 9.2 3.6 5.4#

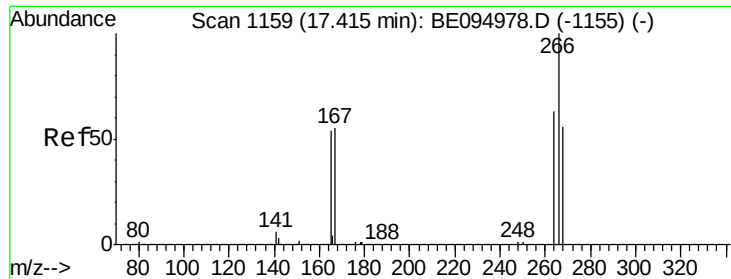


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

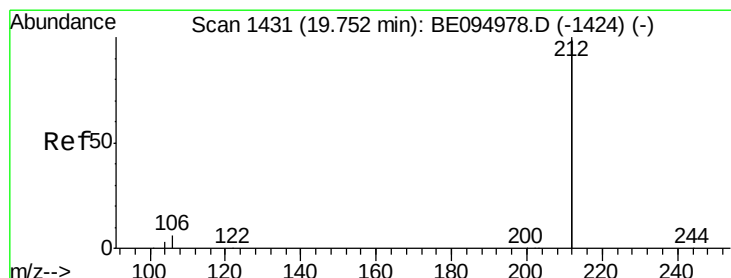
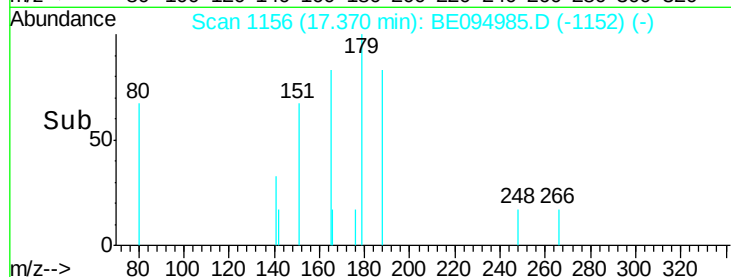
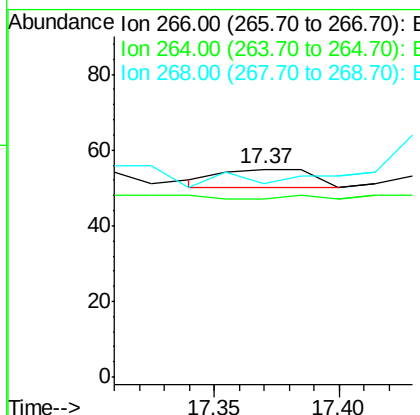
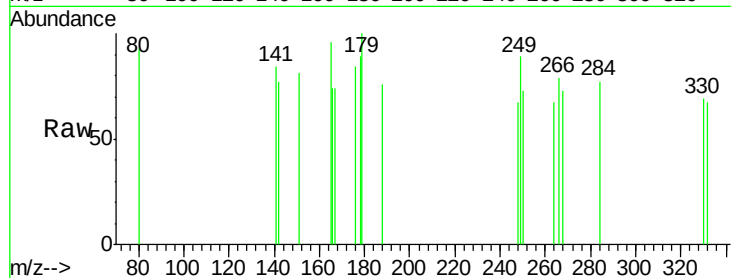




#22
 Pentachlorophenol
 Concen: 0.084 ng
 RT: 17.37 min Scan# 1156
 Delta R.T. -0.05 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

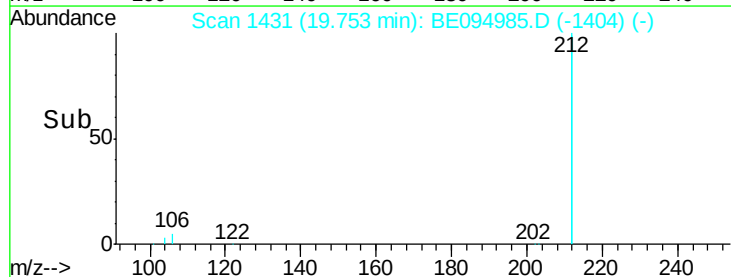
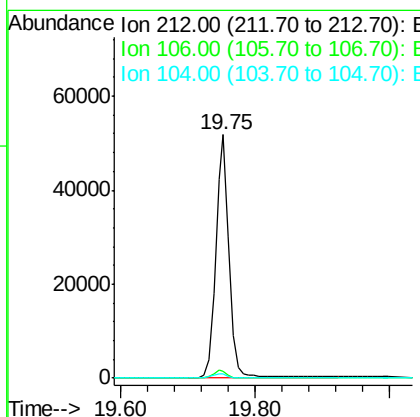
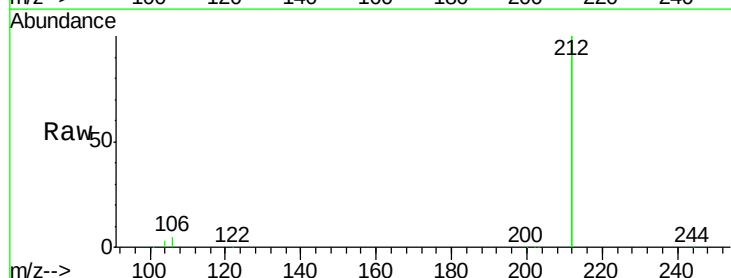
Instrument :
 BNA_E
 ClientSampleId :
 PB104984BL

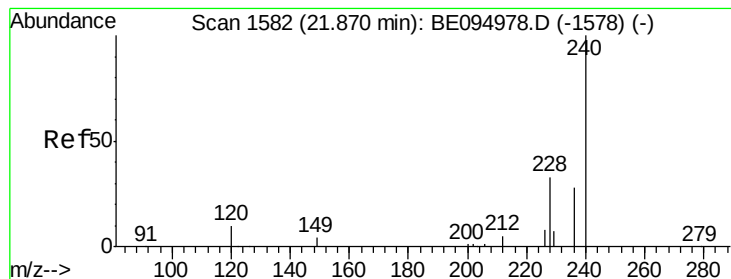
Tgt Ion: 266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 85.5 72.5 108.7
 268 92.7 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.303 ng
 RT: 19.75 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

Tgt Ion: 212 Resp: 70812
 Ion Ratio Lower Upper
 212 100
 106 3.2 2.8 4.2
 104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

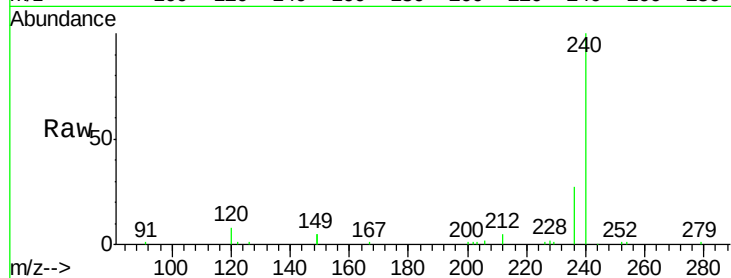
Tgt Ion:240 Resp: 18827

Ion Ratio Lower Upper

240 100

120 8.4 5.5 8.3#

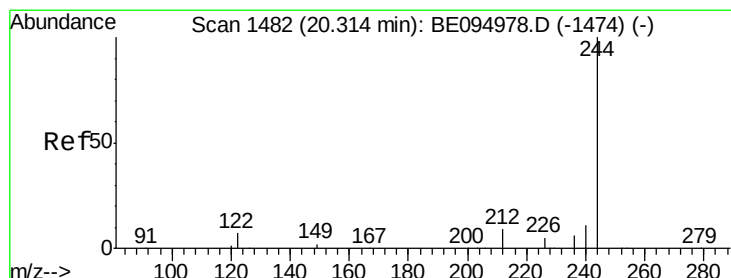
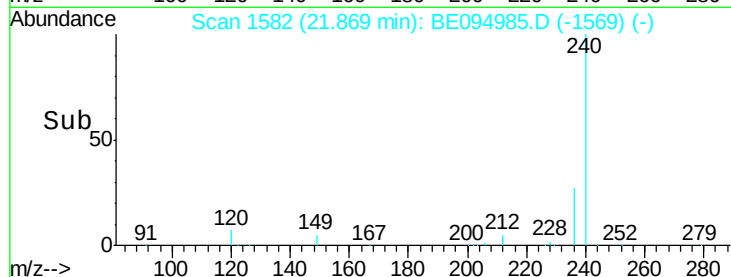
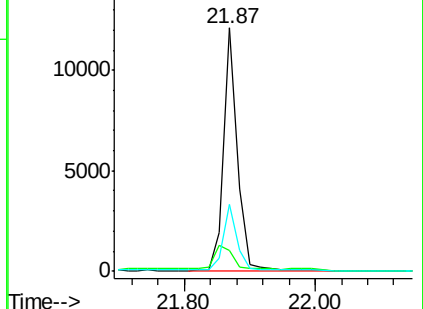
236 27.4 20.7 31.1



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: 0.392 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

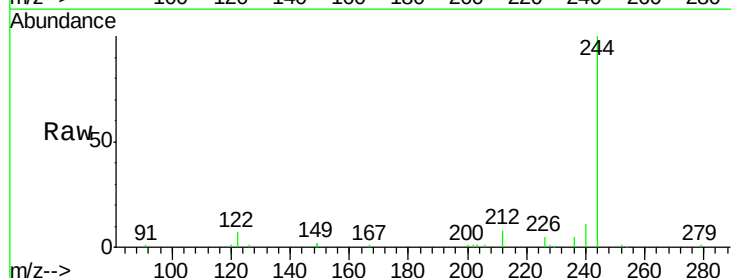
Tgt Ion:244 Resp: 13905

Ion Ratio Lower Upper

244 100

212 8.5 25.4 38.0#

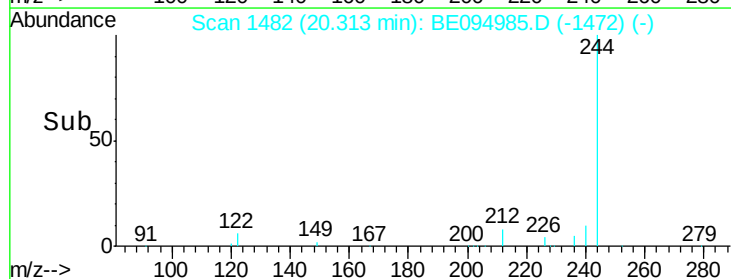
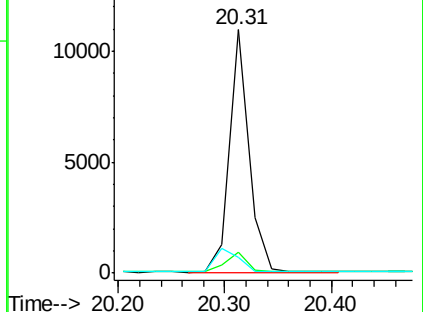
122 6.6 8.1 12.1#

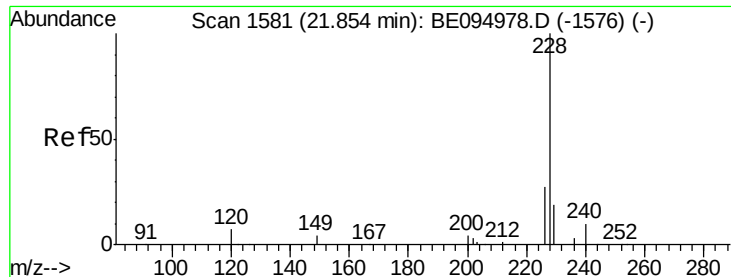


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

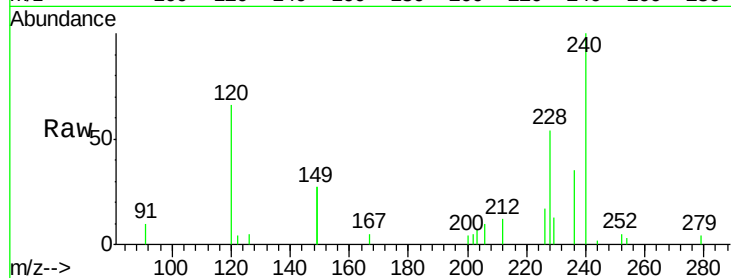
Tgt Ion:228 Resp: 1520

Ion Ratio Lower Upper

228 100

226 32.4 40.0 60.0#

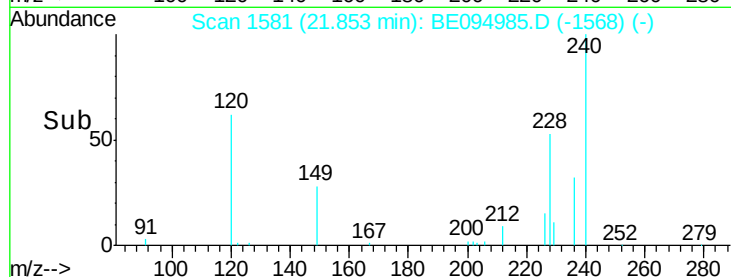
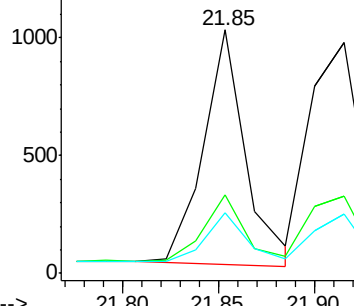
229 25.0 40.0 60.0#



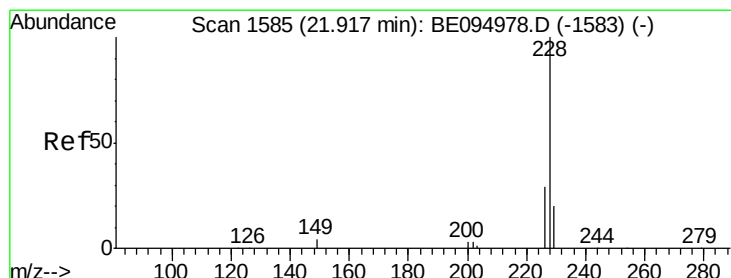
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#31

Chrysene

Concen: 0.036 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

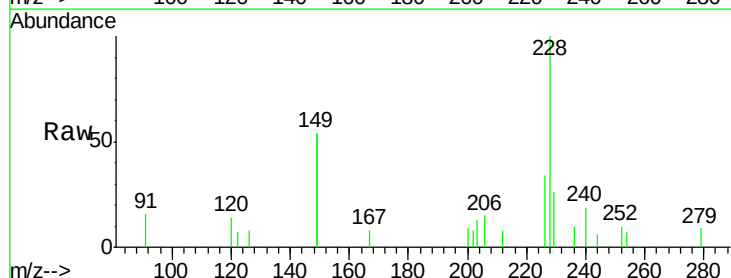
Tgt Ion:228 Resp: 2211

Ion Ratio Lower Upper

228 100

226 33.5 40.0 60.0#

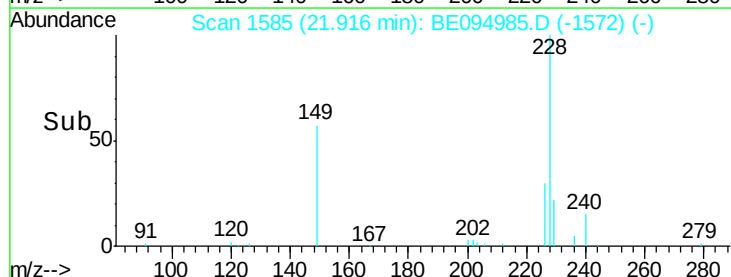
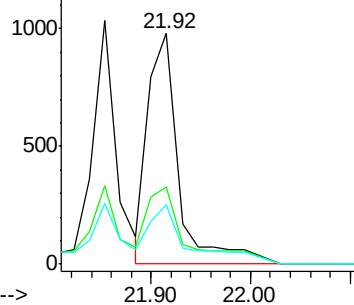
229 25.8 40.0 60.0#



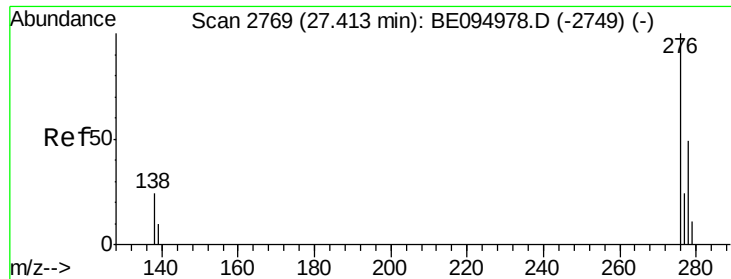
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.030 ng

RT: 27.41 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

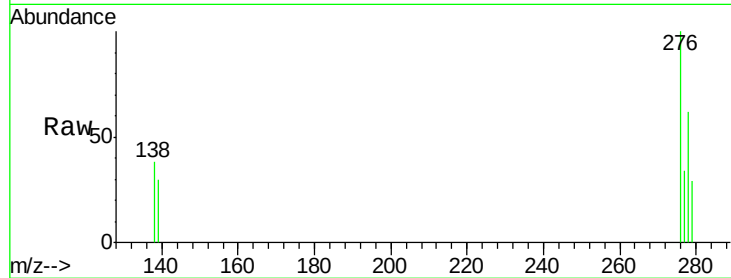
Tgt Ion:276 Resp: 1506

Ion Ratio Lower Upper

276 100

138 27.6 22.5 33.7

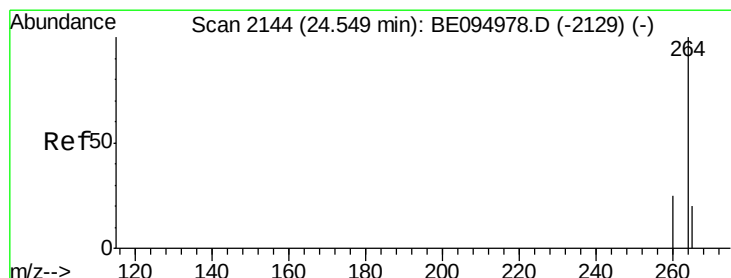
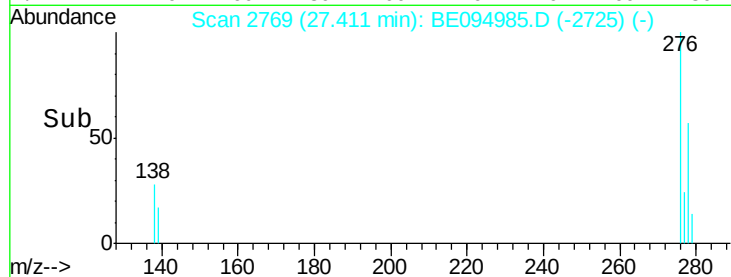
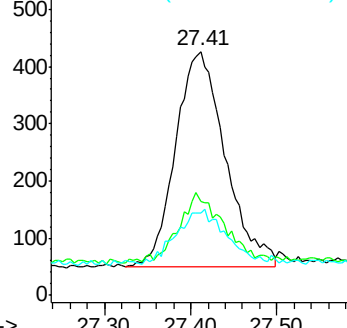
277 25.0 19.9 29.9



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: 24.55 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

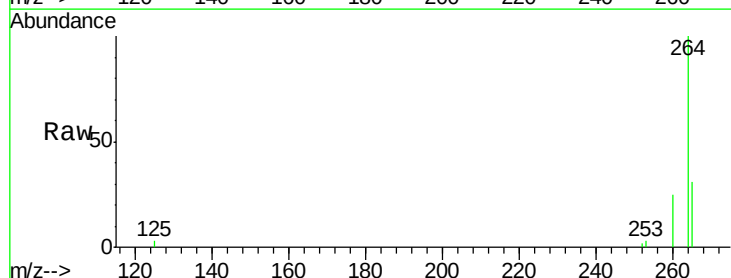
Tgt Ion:264 Resp: 14772

Ion Ratio Lower Upper

264 100

260 24.9 20.5 30.7

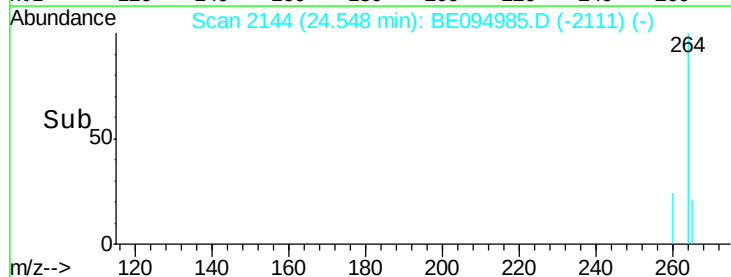
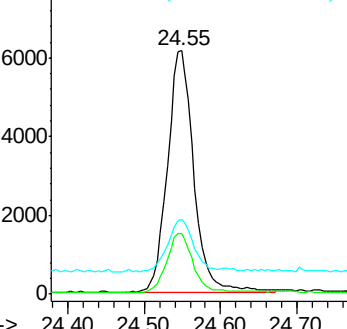
265 30.8 22.8 34.2

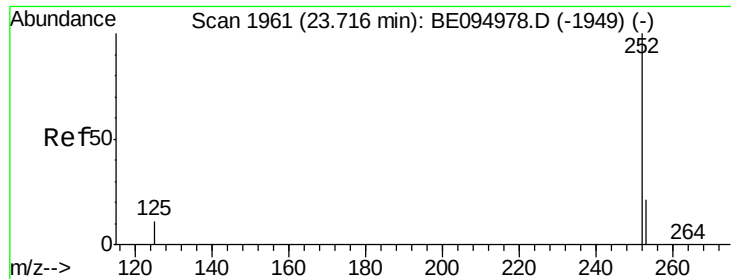


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.032 ng

RT: 23.72 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

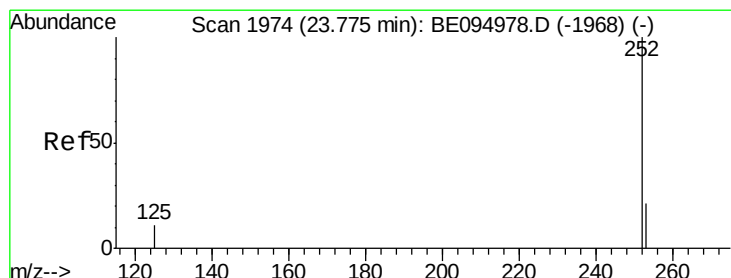
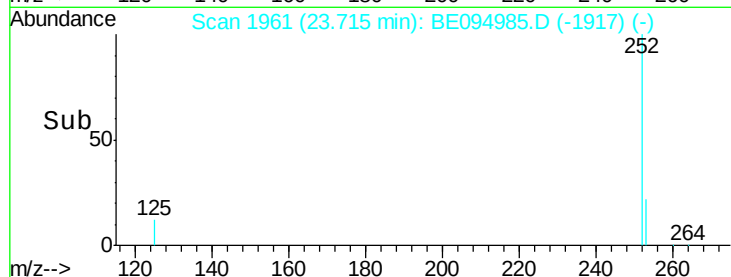
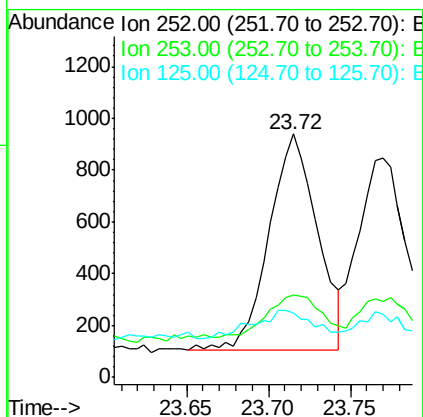
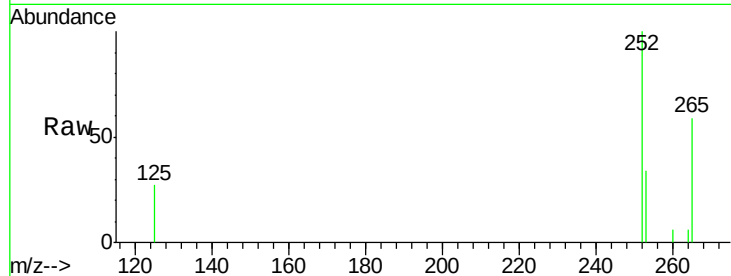
Tgt Ion:252 Resp: 1710

Ion Ratio Lower Upper

252 100

253 34.0 20.0 30.0#

125 26.7 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 23.77 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

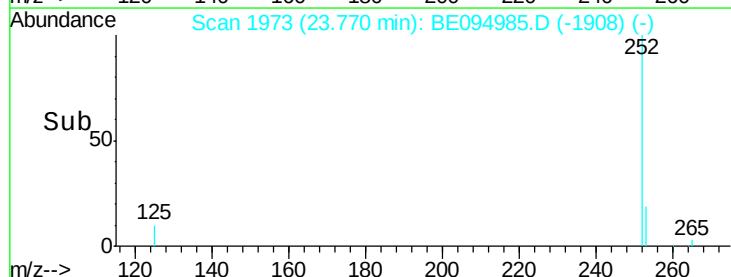
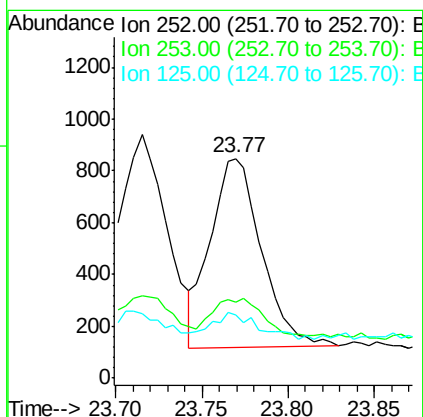
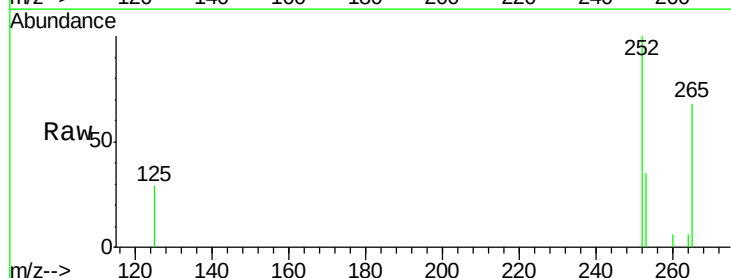
Tgt Ion:252 Resp: 1504

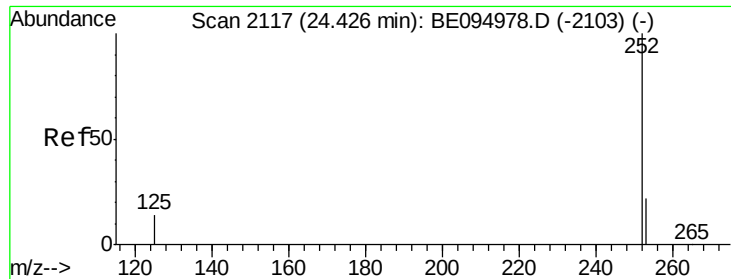
Ion Ratio Lower Upper

252 100

253 34.6 16.0 24.0#

125 28.9 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.028 ng

RT: 24.43 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL

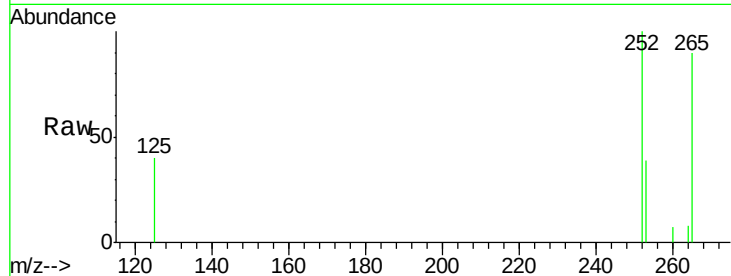
Tgt Ion:252 Resp: 1339

Ion Ratio Lower Upper

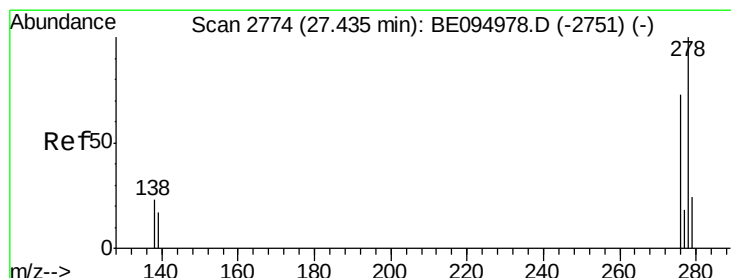
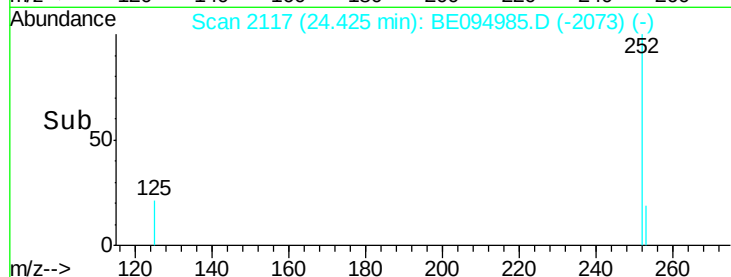
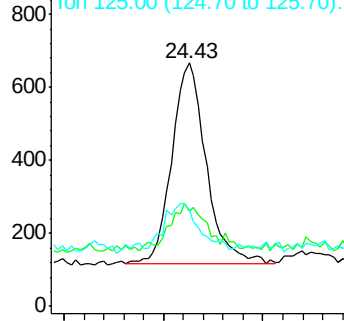
252 100

253 39.3 16.0 24.0#

125 39.7 12.0 18.0#



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: 0.028 ng

RT: 27.43 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

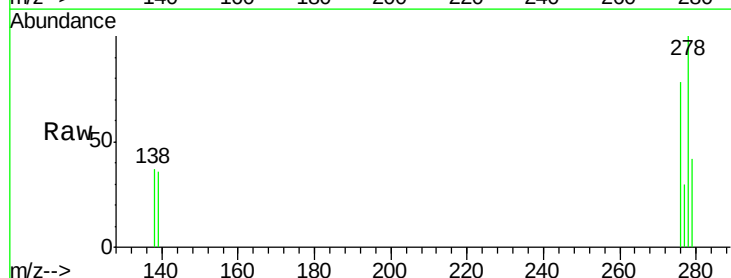
Tgt Ion:278 Resp: 1242

Ion Ratio Lower Upper

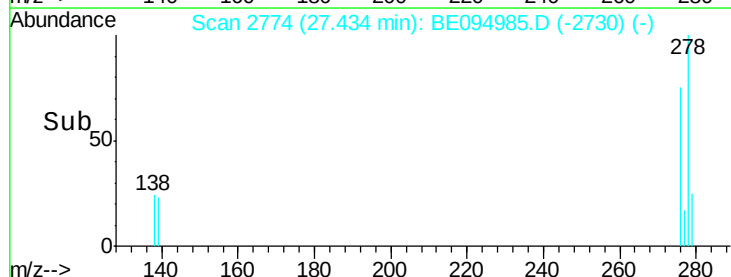
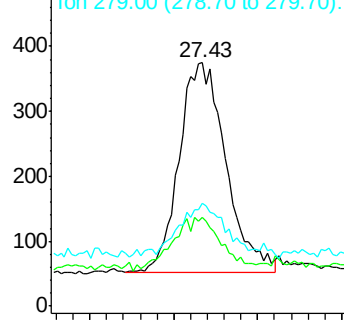
278 100

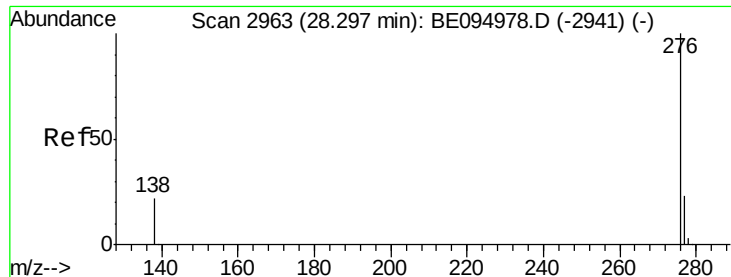
139 36.3 16.0 24.0#

279 42.1 20.0 30.0#



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(g,h,i)perylene

Concen: 0.033 ng

RT: 28.29 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BE094985.D

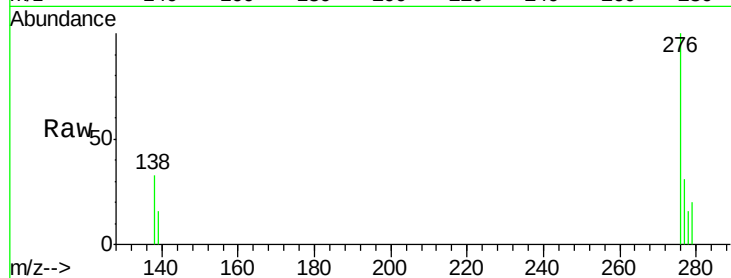
Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

ClientSampleId :

PB104984BL



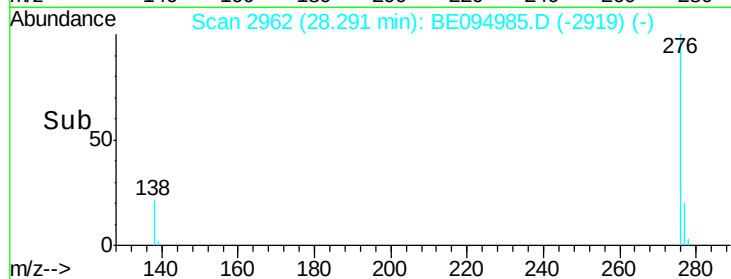
Tgt Ion: 276 Resp: 1447

Ion Ratio Lower Upper

276 100

277 31.2 16.0 24.0#

138 33.2 20.0 30.0#



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

