

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094917.D
 Acq On : 5 Dec 2017 16:40
 Operator : SJ/JU
 Sample : PB104744BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104744BL

Quant Time: Dec 06 04:02:58 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

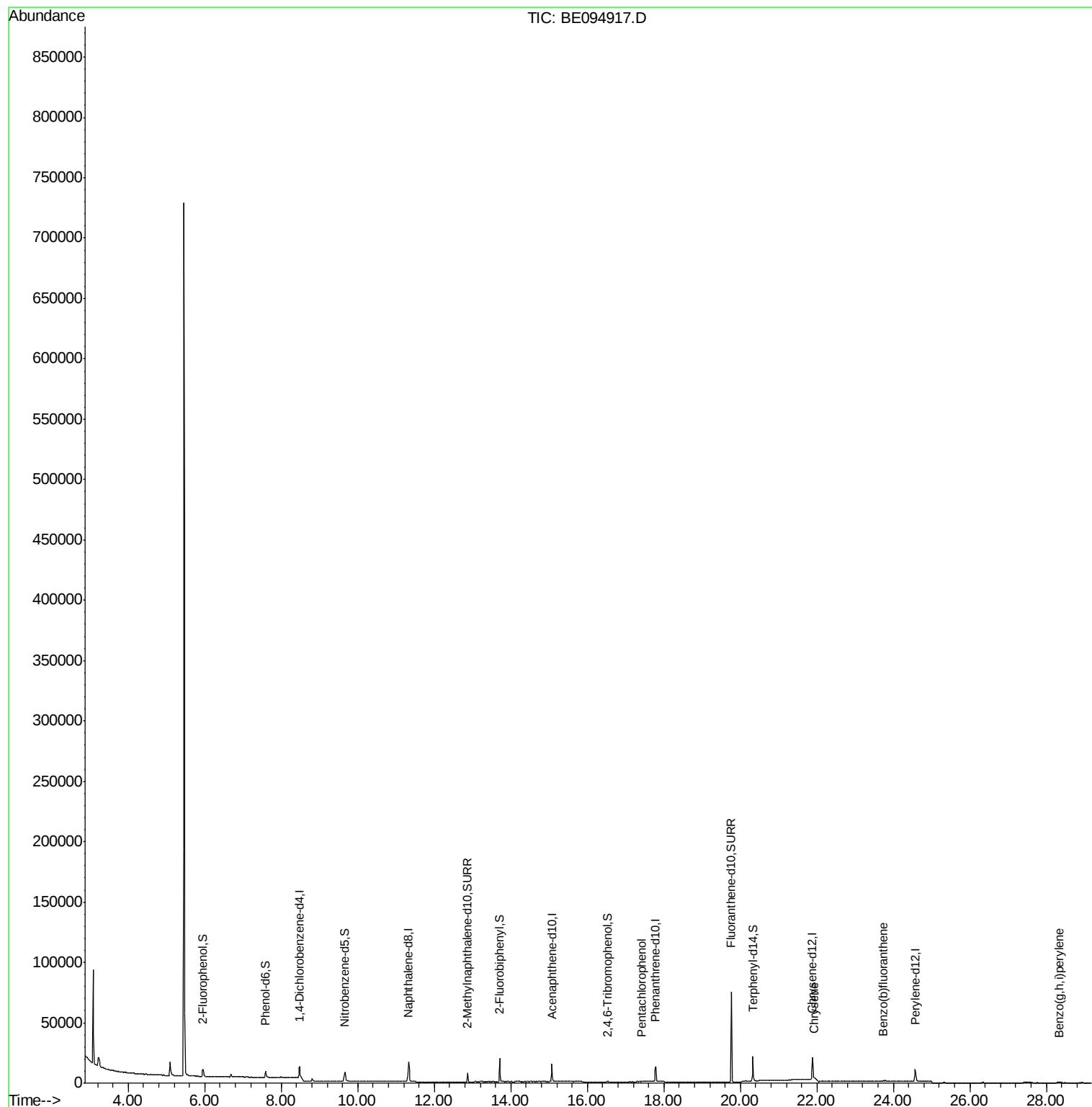
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	8541	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17298	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	8250	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	19293	0.40	ng	0.02
27) Chrysene-d12	21.89	240	19695	0.40	ng	0.00
34) Perylene-d12	24.57	264	16373	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.96	112	3399	0.25	ng	0.00
5) Phenol-d6	7.59	99	5840	0.29	ng	0.00
8) Nitrobenzene-d5	9.66	82	3010	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	10902	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	314	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	16575	0.47	ng	0.00
25) Fluoranthene-d10	19.77	212	100349	0.38	ng	0.00
29) Terphenyl-d14	20.33	244	18854	0.52	ng	0.00
Target Compounds						
22) Pentachlorophenol	17.42	266	33	0.143	ng	Qvalue 94
31) Chrysene	21.92	228	1478	0.022	ng	# 72
35) Benzo(b)fluoranthene	23.74	252	1383	0.023	ng	# 78
39) Benzo(g,h,i)perylene	28.34	276	1166	0.024	ng	# 71

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.49 min Scan# 447

Delta R.T. -0.00 min

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Instrument :

BNA_E

ClientSampleId :

PB104744BL

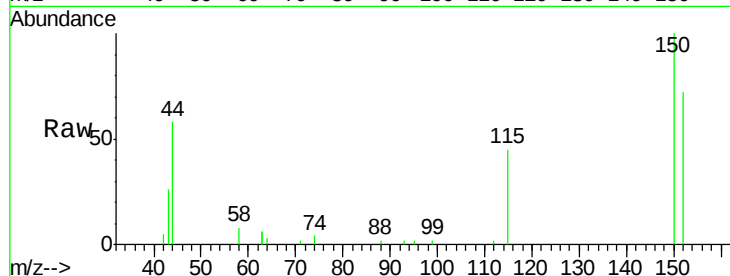
Tot Ion:152 Resp: 8541

Ion Ratio Lower Upper

152 100

150 138.1 117.2 175.8

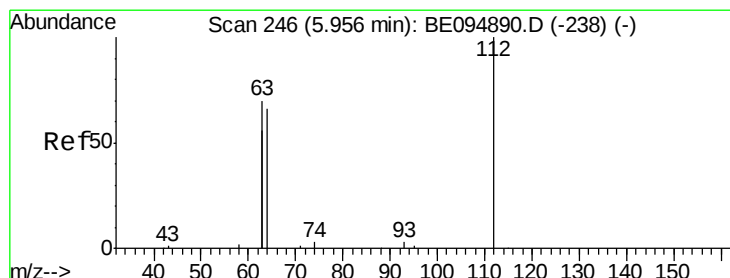
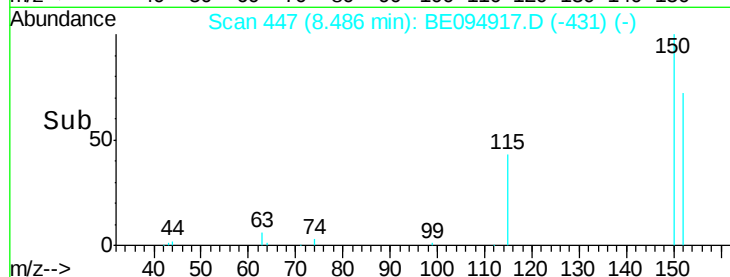
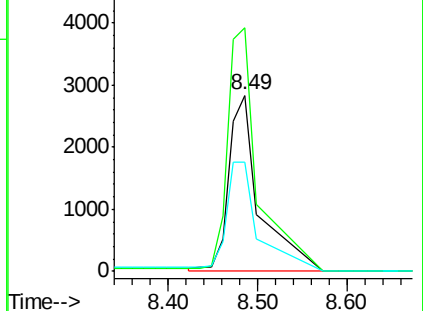
115 61.8 57.0 85.6



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: 0.251 ng

RT: 5.96 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

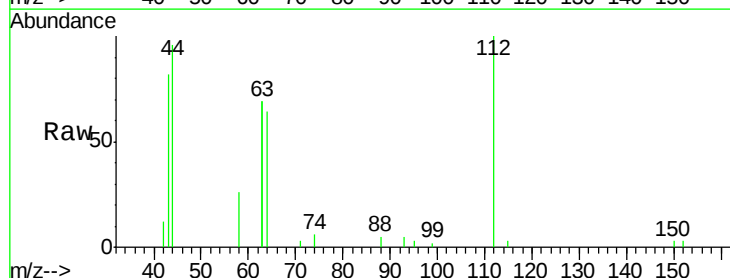
Tgt Ion:112 Resp: 3399

Ion Ratio Lower Upper

112 100

64 76.1 60.1 90.1

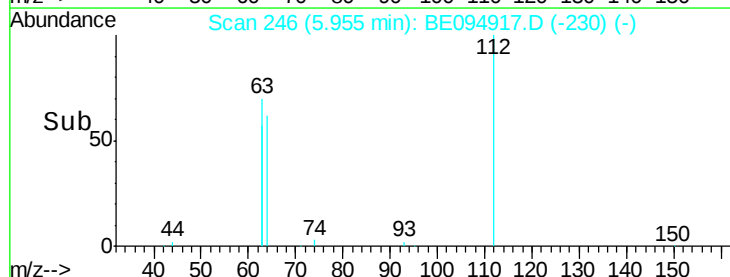
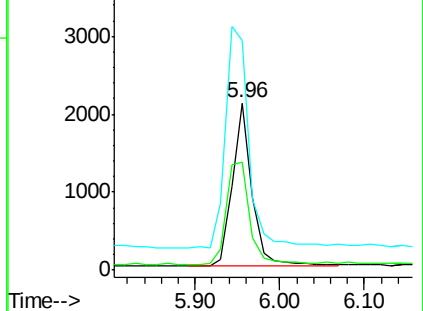
63 160.0 116.8 175.2

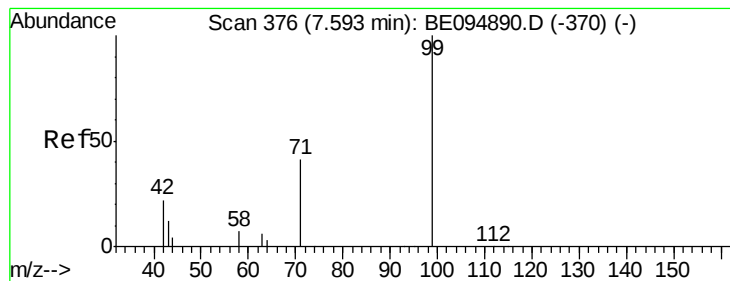


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.292 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

Instrument :

BNA_E

ClientSampleId :

PB104744BL

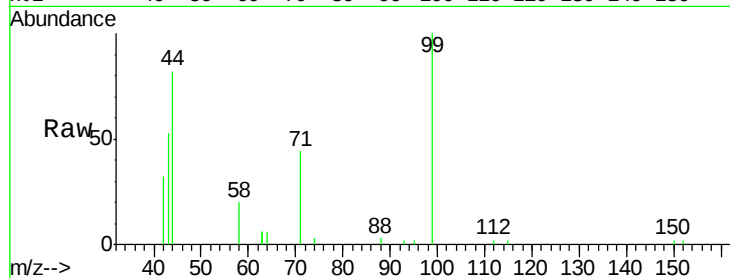
Tot Ion: 99 Resp: 5840

Ion Ratio Lower Upper

99 100

42 23.9 20.2 30.2

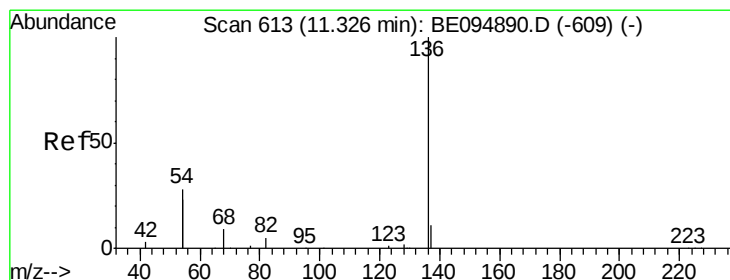
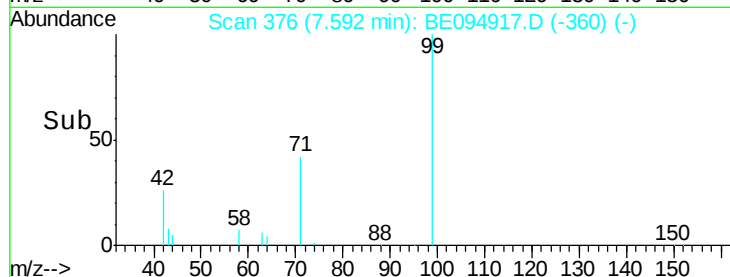
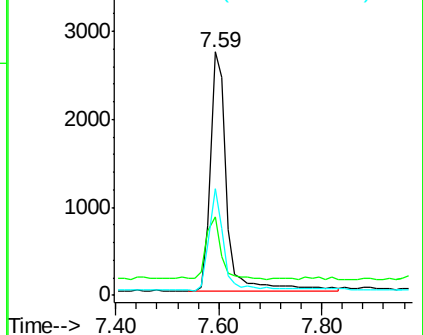
71 37.2 28.4 42.6



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: BE094917.D

Acq: 5 Dec 2017 16:40

Tgt Ion:136 Resp: 17298

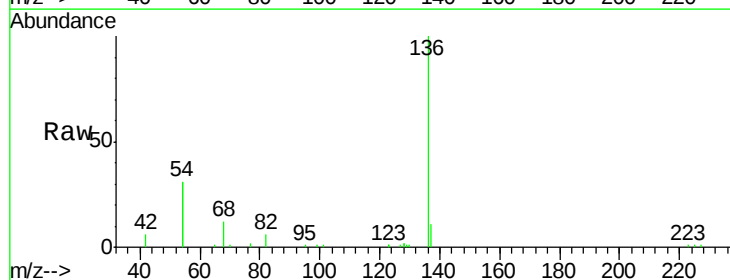
Ion Ratio Lower Upper

136 100

137 11.0 9.5 14.3

54 61.7 29.1 43.7#

68 11.6 6.2 9.2#

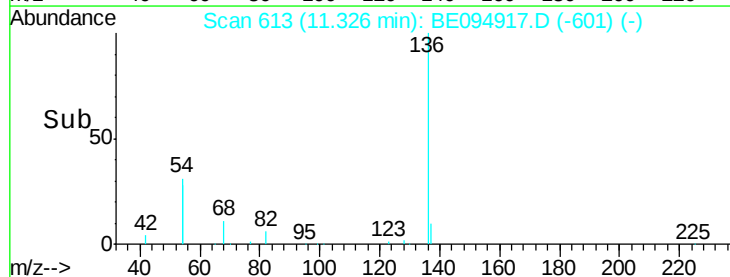
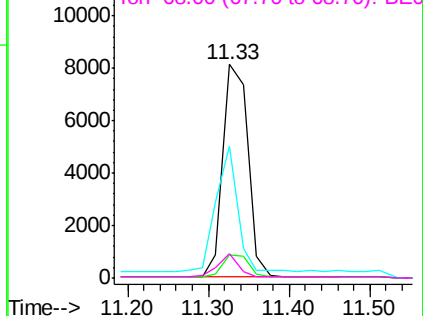


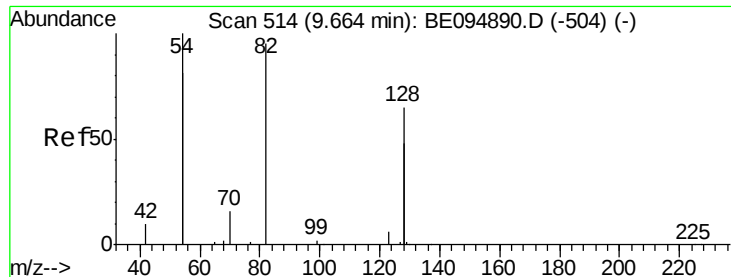
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.294 ng

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

Instrument :

BNA_E

ClientSampleId :

PB104744BL

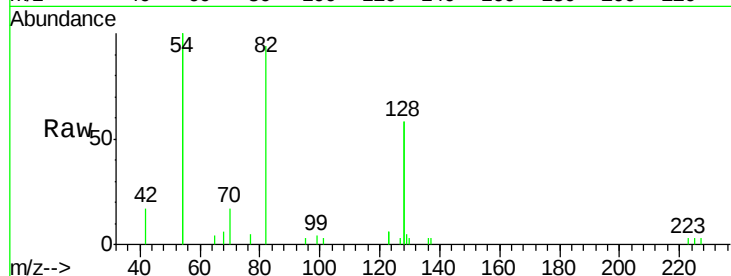
Tot Ion: 82 Resp: 3010

Ion Ratio Lower Upper

82 100

128 123.0 150.0 225.0#

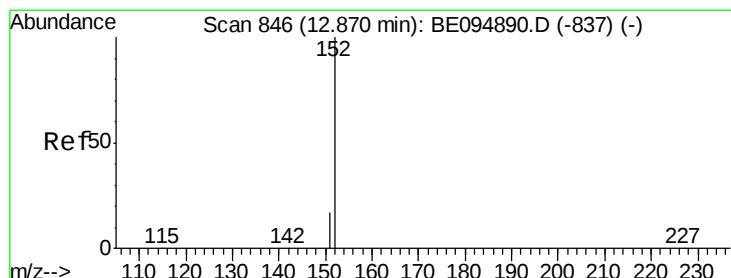
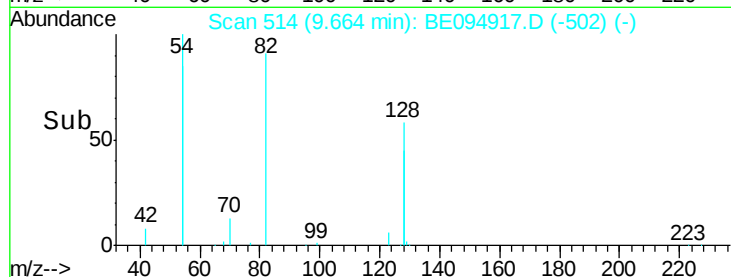
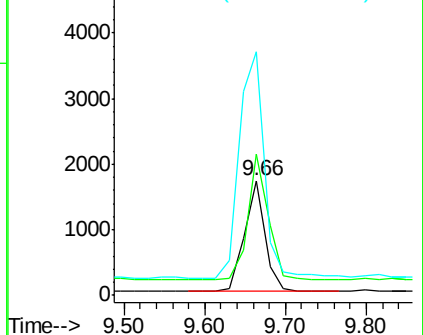
54 212.1 154.2 231.4



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: 0.395 ng

RT: 12.87 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE094917.D

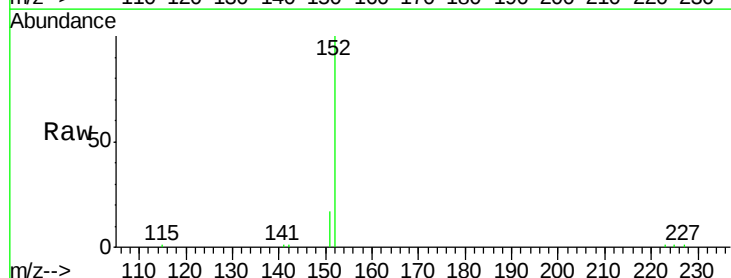
Acq: 5 Dec 2017 16:40

Tgt Ion: 152 Resp: 10902

Ion Ratio Lower Upper

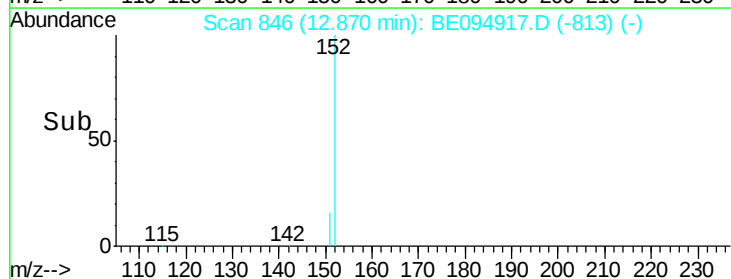
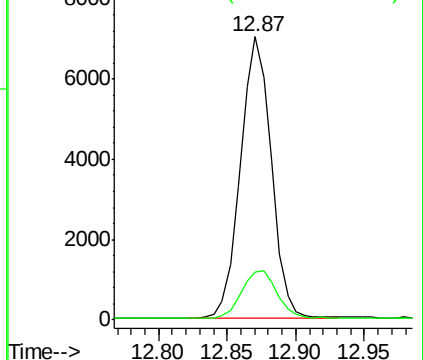
152 100

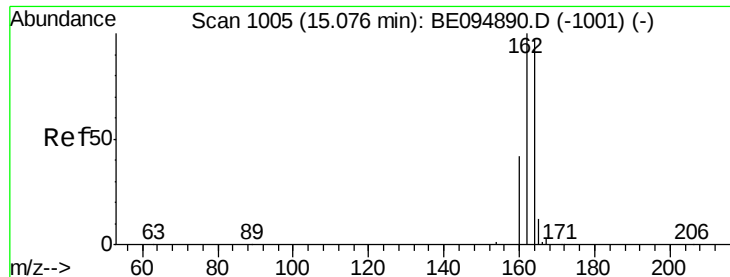
151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

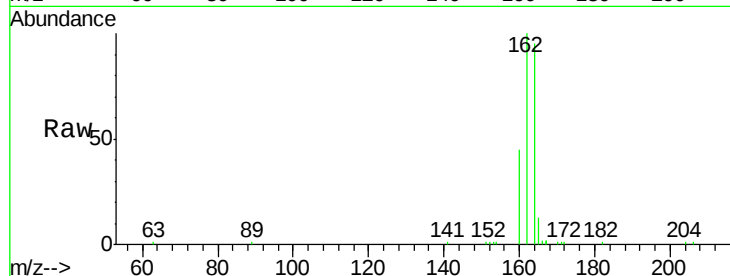




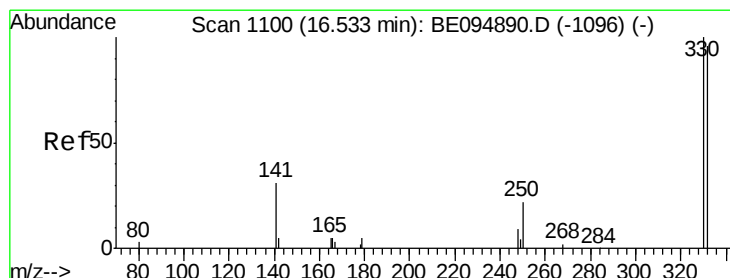
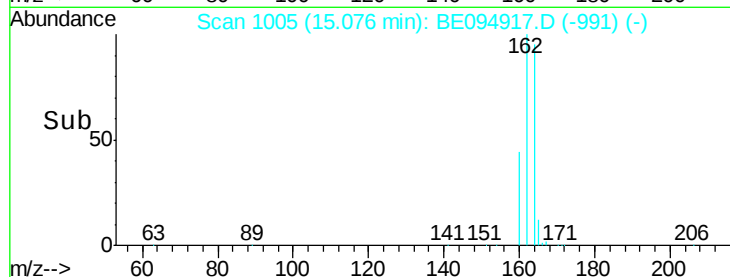
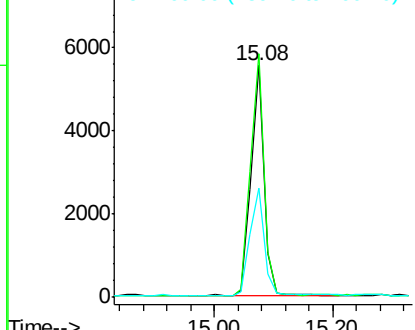
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BE094917.D
Acq: 5 Dec 2017 16:40

Instrument :
BNA_E
ClientSampleId :
PB104744BL

Tot Ion:164 Resp: 8250
Ion Ratio Lower Upper
164 100
162 105.1 83.1 124.7
160 47.2 37.1 55.7

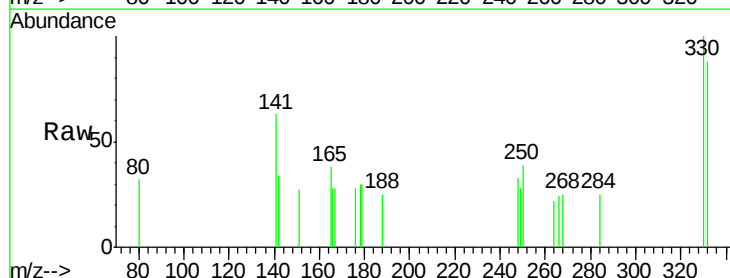


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

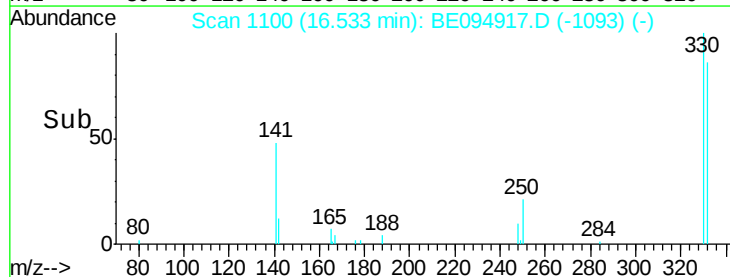
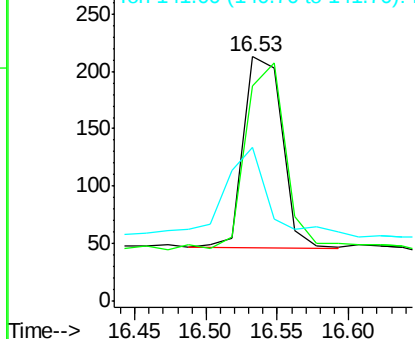


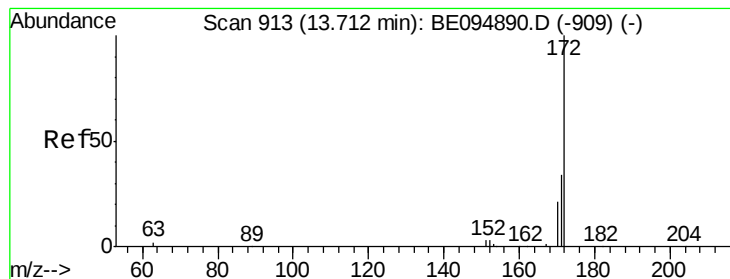
#14
2,4,6-Tribromophenol
Concen: 0.250 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094917.D
Acq: 5 Dec 2017 16:40

Tgt Ion:330 Resp: 314
Ion Ratio Lower Upper
330 100
332 109.9 152.7 229.1#
141 54.5 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: 0.469 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

Instrument :

BNA_E

ClientSampleId :

PB104744BL

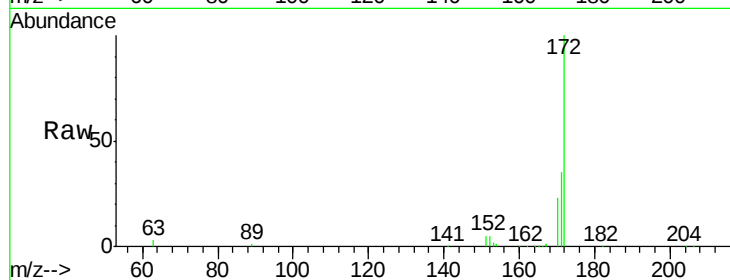
Tot Ion:172 Resp: 16575

Ion Ratio Lower Upper

172 100

171 35.4 29.9 44.9

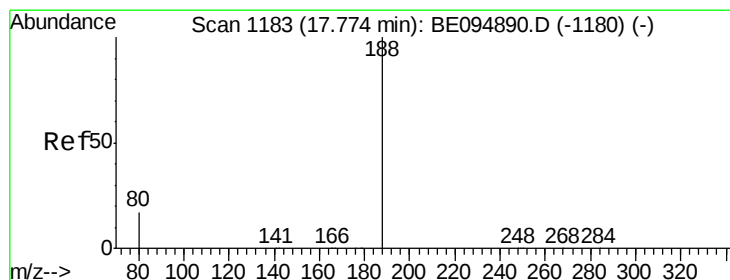
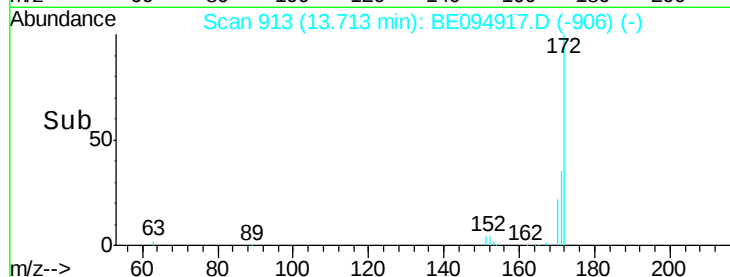
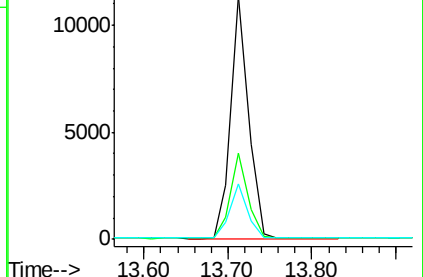
170 22.7 21.8 32.8



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: 17.79 min Scan# 1184

Delta R.T. 0.02 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

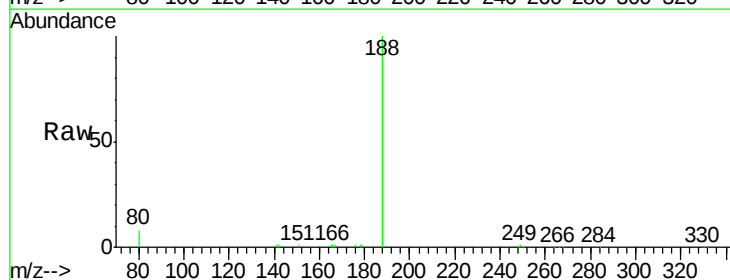
Tgt Ion:188 Resp: 19293

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

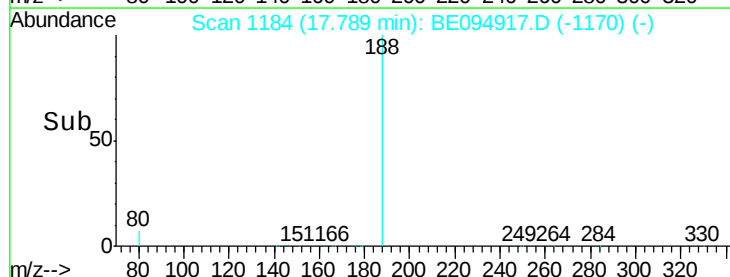
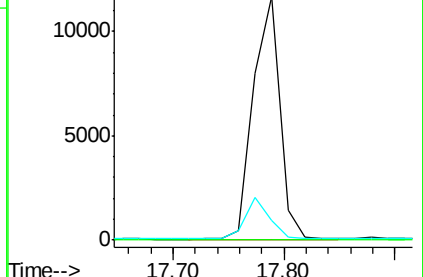
80 7.9 3.6 5.4#

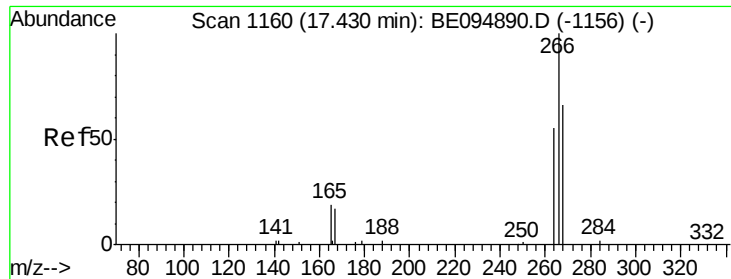


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.143 ng

RT: 17.42 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

Instrument :

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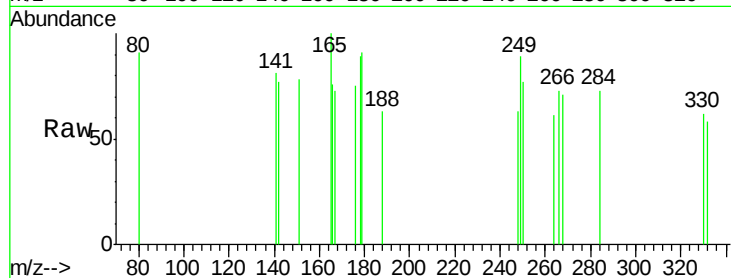
Tot Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

264 82.8 72.5 108.7

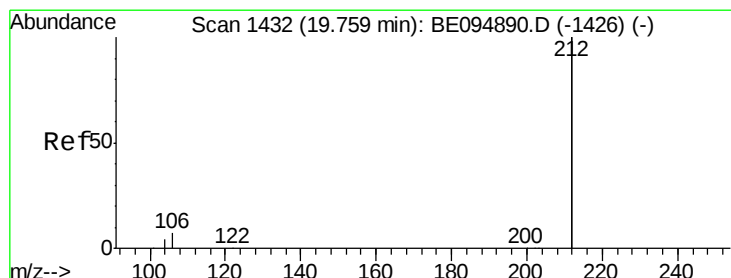
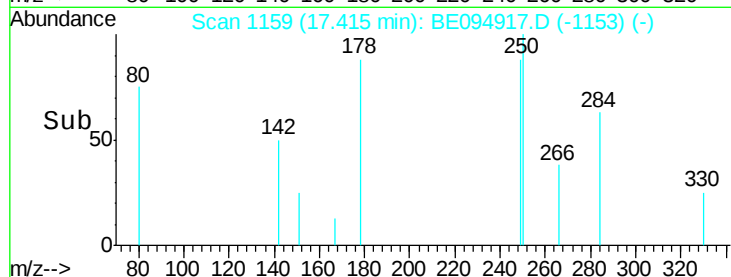
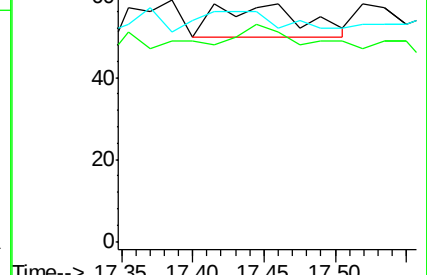
268 96.6 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#25

Fluoranthene-d10

Concen: 0.381 ng

RT: 19.77 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

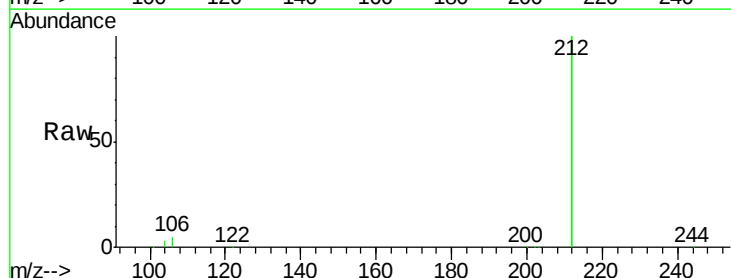
Tgt Ion:212 Resp: 100349

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

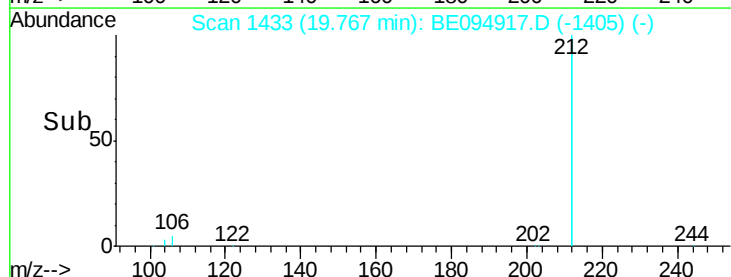
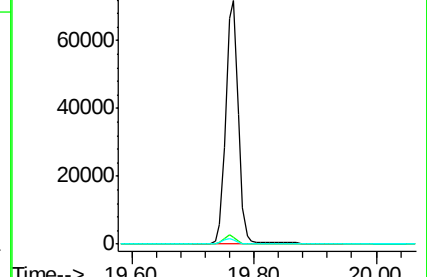
104 2.0 1.6 2.4

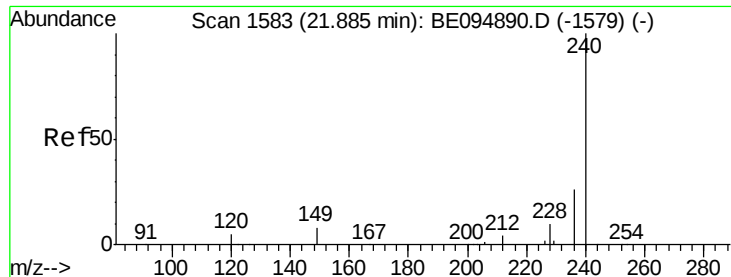


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.89 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

Instrument :

BNA_E

ClientSampleId :

PB104744BL

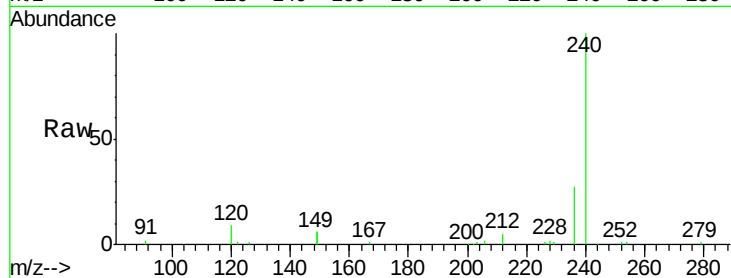
Tot Ion:240 Resp: 19695

Ion Ratio Lower Upper

240 100

120 9.1 5.5 8.3#

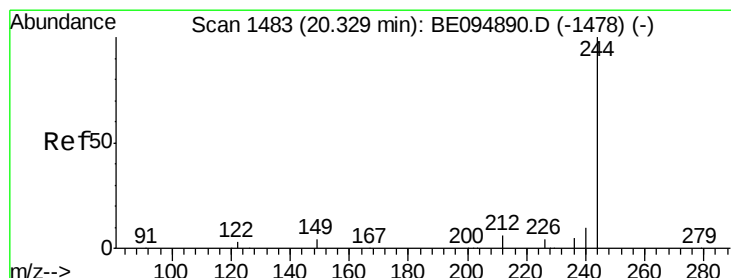
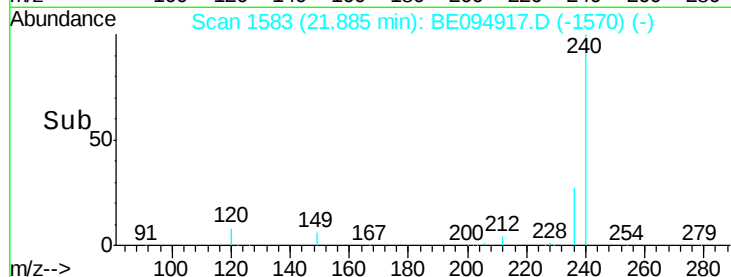
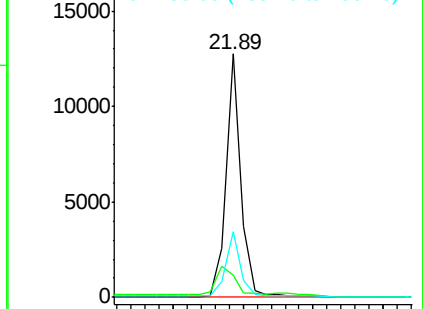
236 27.2 20.7 31.1



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: 0.518 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

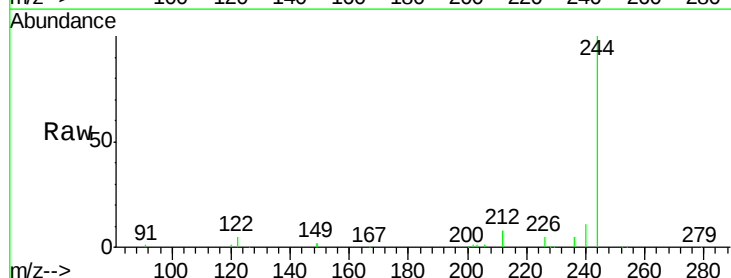
Tgt Ion:244 Resp: 18854

Ion Ratio Lower Upper

244 100

212 7.8 25.4 38.0#

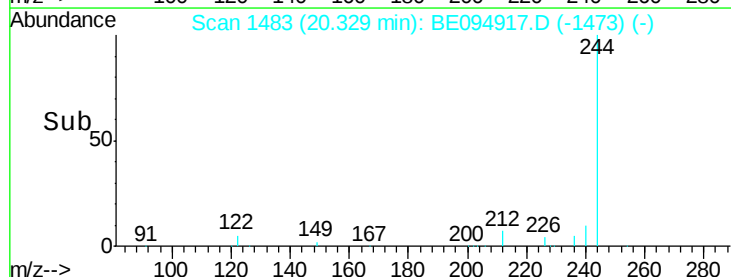
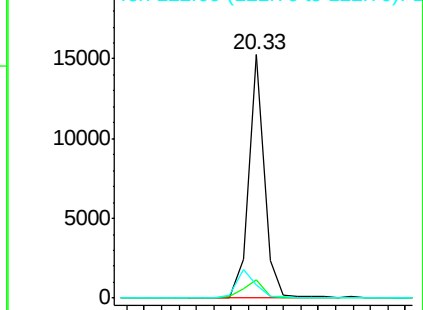
122 5.3 8.1 12.1#

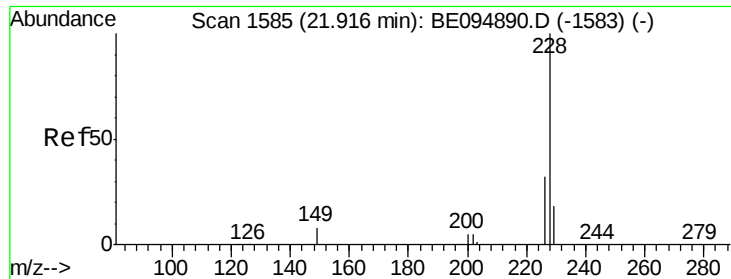


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#31

Chrysene

Concen: 0.022 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

Instrument :

BNA_E

ClientSampleId :

PB104744BL

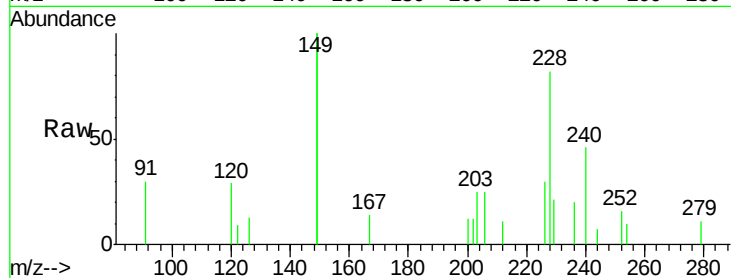
Tot Ion:228 Resp: 1478

Ion Ratio Lower Upper

228 100

226 36.2 40.0 60.0#

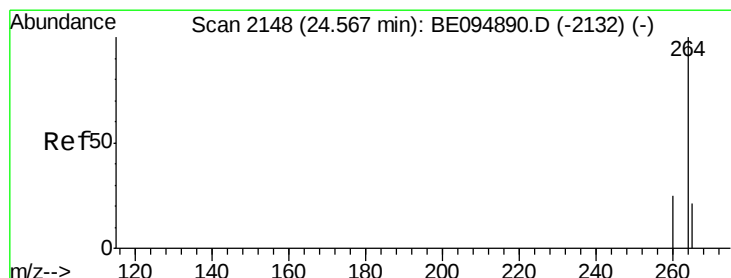
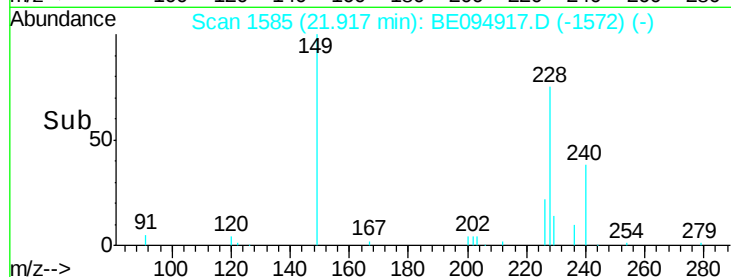
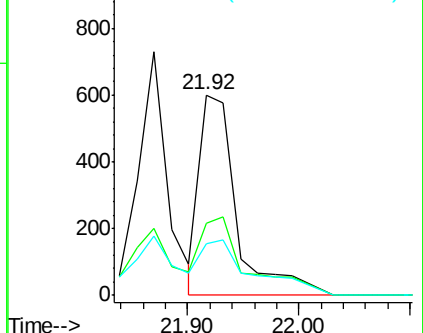
229 25.8 40.0 60.0#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.57 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

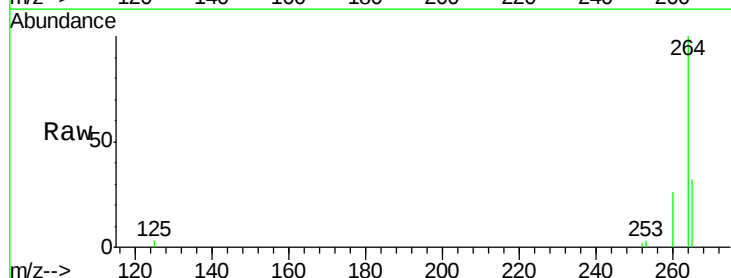
Tgt Ion:264 Resp: 16373

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

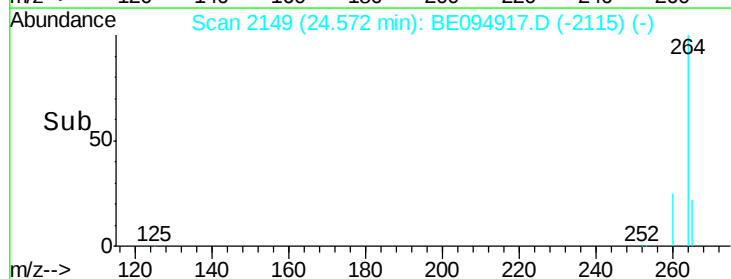
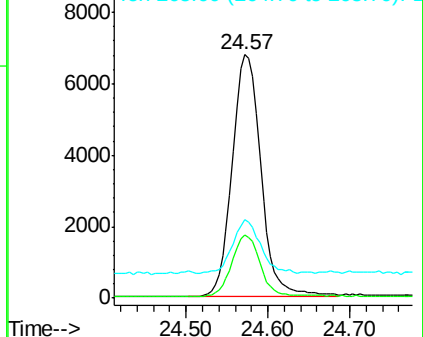
265 32.4 22.8 34.2

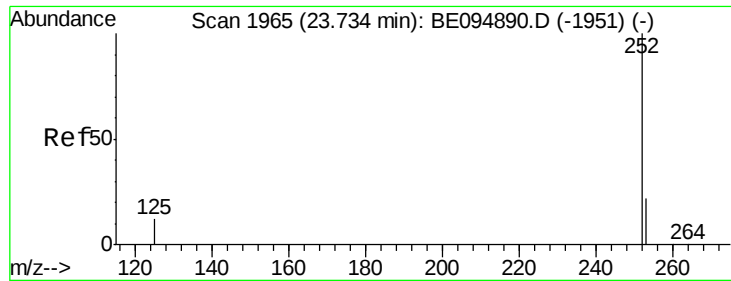


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.023 ng

RT: 23.74 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

Instrument :

BNA_E

ClientSampleId :

PB104744BL

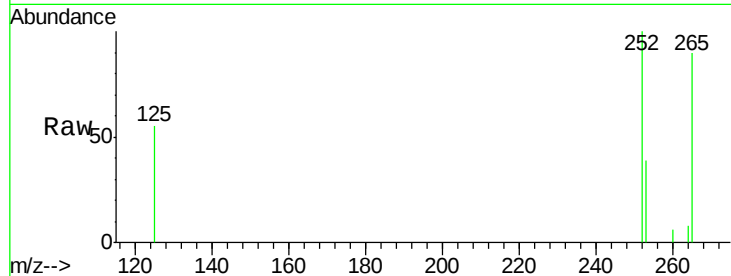
Tot Ion:252 Resp: 1383

Ion Ratio Lower Upper

252 100

253 39.2 48.0 72.0#

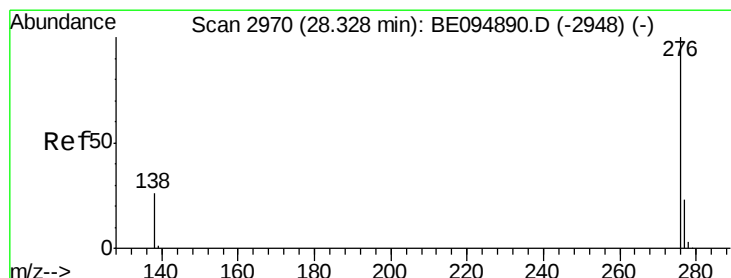
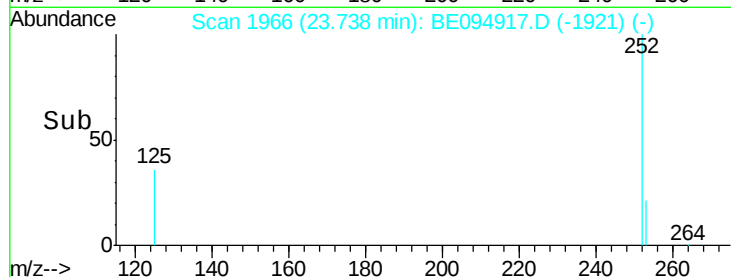
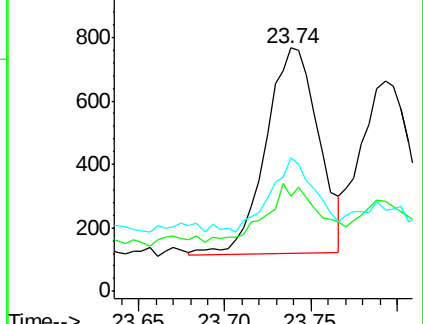
125 55.0 56.0 84.0#



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



#39

Benzo(g,h,i)perylene

Concen: 0.024 ng

RT: 28.34 min Scan# 2973

Delta R.T. 0.01 min

Lab File: BE094917.D

Acq: 5 Dec 2017 16:40

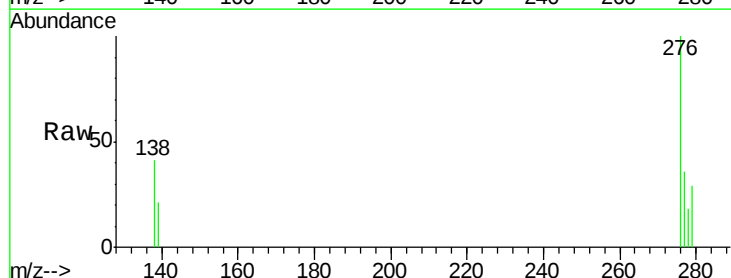
Tgt Ion:276 Resp: 1166

Ion Ratio Lower Upper

276 100

277 35.5 52.0 78.0#

138 41.1 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

