

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094934.D
 Acq On : 6 Dec 2017 2:46
 Operator : SJ/JU
 Sample : I6698-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW03S-20171130

Quant Time: Dec 06 04:07:30 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	7998	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	18510	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	10576	0.40	ng	-0.02
19) Phenanthrene-d10	17.77	188	25485	0.40	ng	0.00
27) Chrysene-d12	21.87	240	28125	0.40	ng	-0.01
34) Perylene-d12	24.56	264	22953	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	2614	0.21	ng	0.00
5) Phenol-d6	7.60	99	2478	0.13	ng	0.01
8) Nitrobenzene-d5	9.67	82	5777	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	12024	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1159	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	20838	0.46	ng	0.00
25) Fluoranthene-d10	19.75	212	140279	0.40	ng	0.00
29) Terphenyl-d14	20.31	244	26981	0.52	ng	-0.01

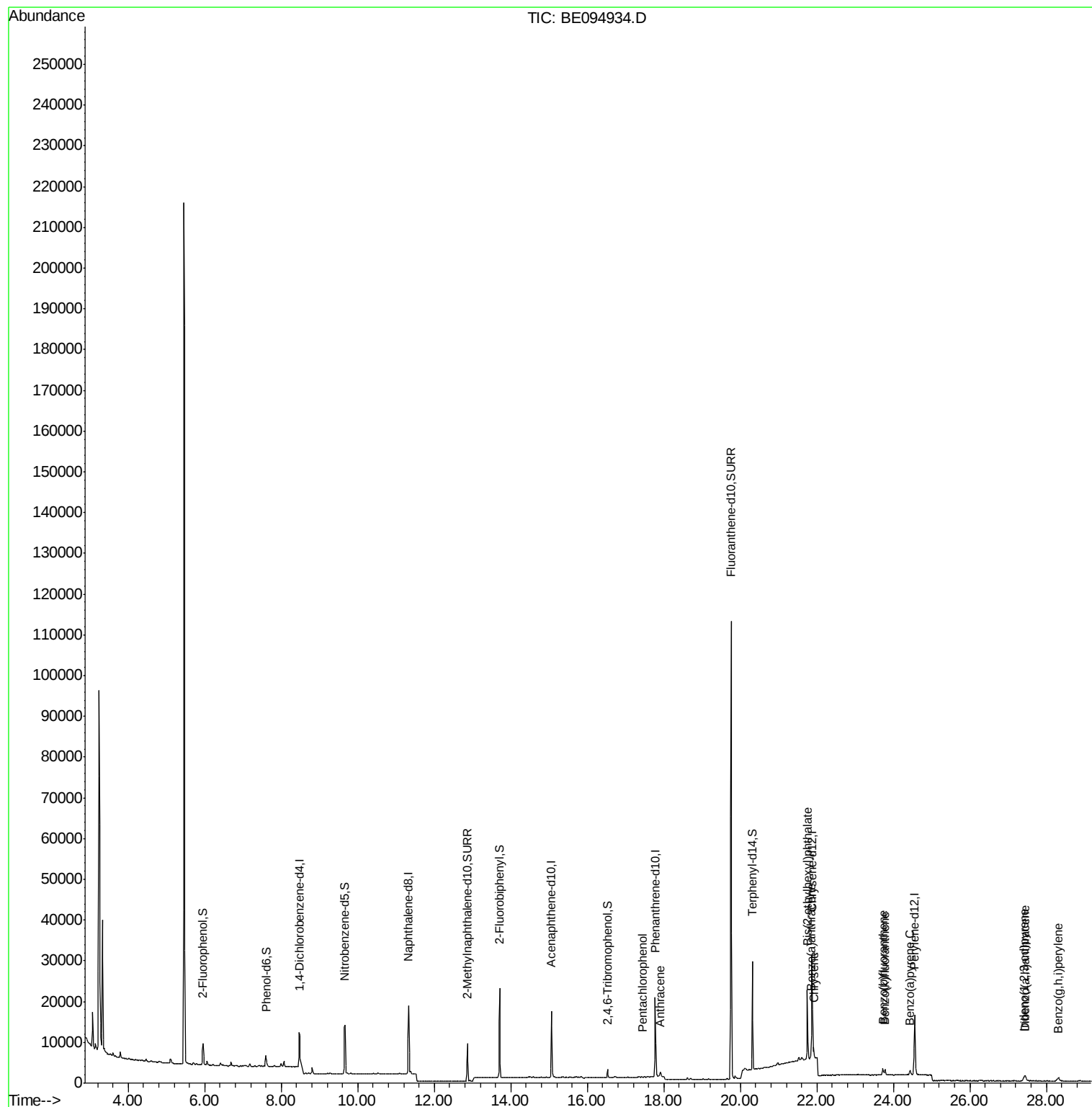
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.43	266	51	0.144	ng	90
24) Anthracene	17.91	178	2497	0.029	ng	# 66
30) Benzo(a)anthracene	21.86	228	2375	0.028	ng	# 68
31) Chrysene	21.92	228	3002	0.032	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.75	149	20609	0.144	ng	100
33) Indeno(1,2,3-cd)pyrene	27.42	276	2184	0.028	ng	99
35) Benzo(b)fluoranthene	23.72	252	2336	0.028	ng	# 71
36) Benzo(k)fluoranthene	23.78	252	2088	0.024	ng	# 69
37) Benzo(a)pyrene	24.43	252	1745	0.024	ng	# 70
38) Dibenzo(a,h)anthracene	27.45	278	1769	0.026	ng	# 66
39) Benzo(a,h,i)perylene	28.31	276	2189	0.032	ng	# 64

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

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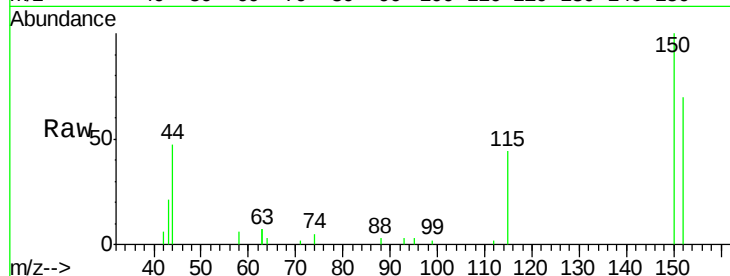


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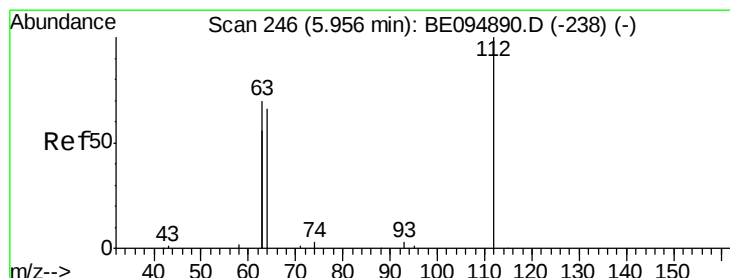
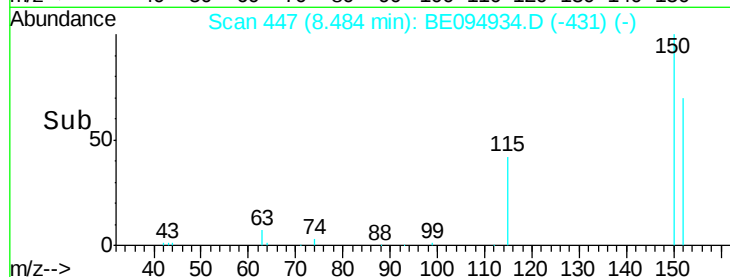
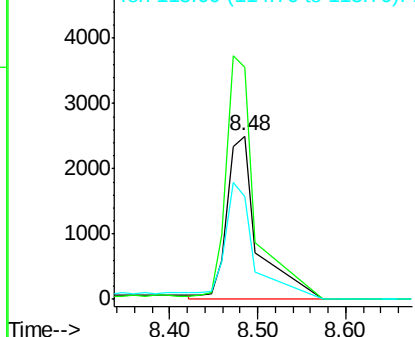
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094934.D
Acq: 6 Dec 2017 2:46

Instrument :
BNA_E
ClientSampleId :
FT-MW03S-20171130

Tot Ion:152 Resp: 7998
Ion Ratio Lower Upper
152 100
150 142.1 117.2 175.8
115 63.2 57.0 85.6



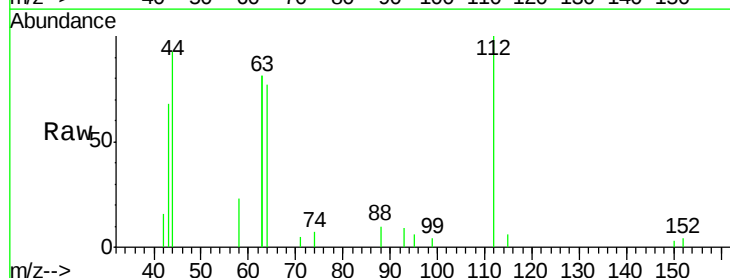
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



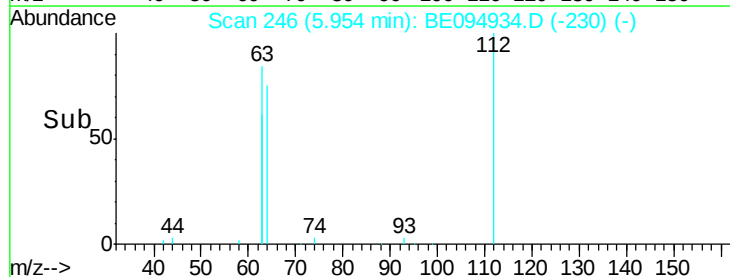
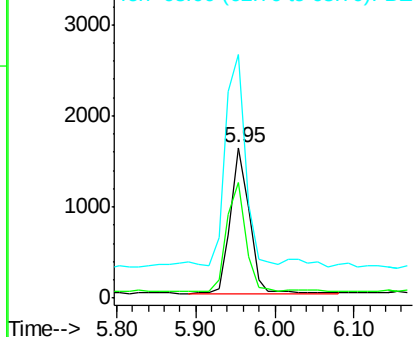
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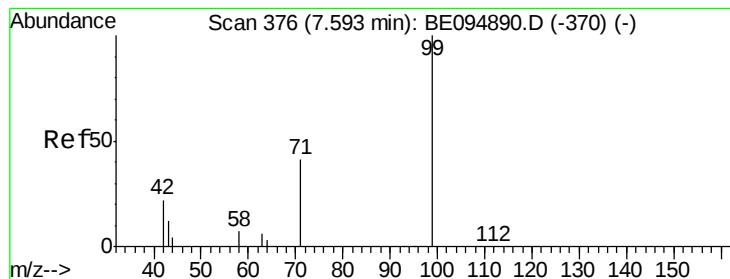
2-Fluorophenol
Concen: 0.206 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094934.D
Acq: 6 Dec 2017 2:46

Tgt Ion:112 Resp: 2614
Ion Ratio Lower Upper
112 100
64 76.9 60.1 90.1
63 172.3 116.8 175.2



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: 0.132 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

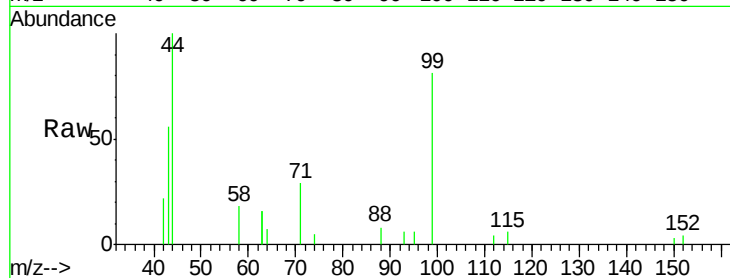
Tot Ion: 99 Resp: 2478

Ion Ratio Lower Upper

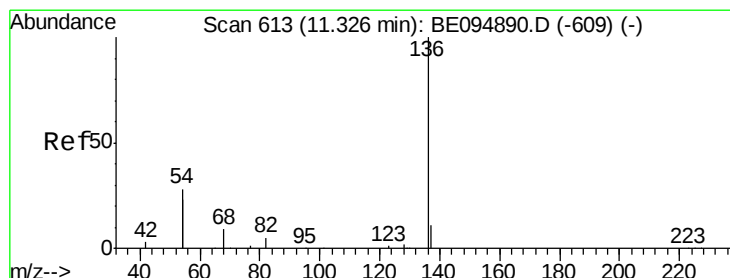
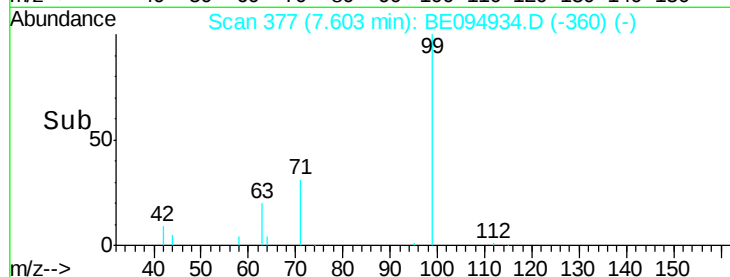
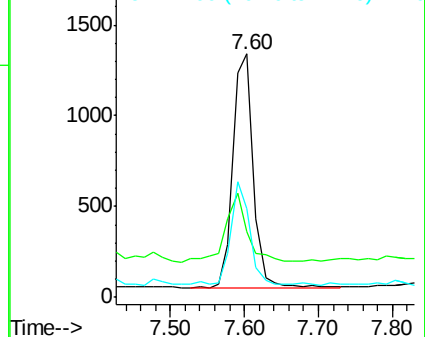
99 100

42 31.7 20.2 30.2#

71 41.3 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: BE094934.D

Acq: 6 Dec 2017 2:46

Tgt Ion: 136 Resp: 18510

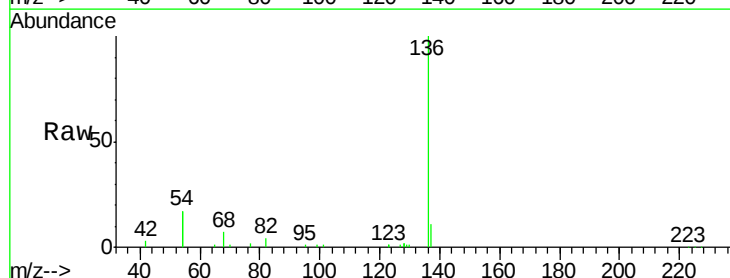
Ion Ratio Lower Upper

136 100

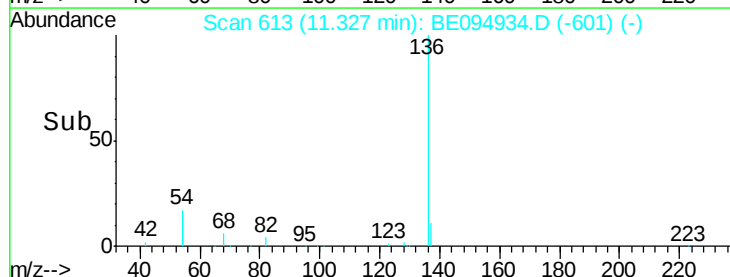
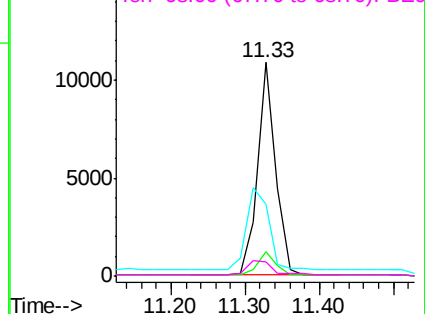
137 11.1 9.5 14.3

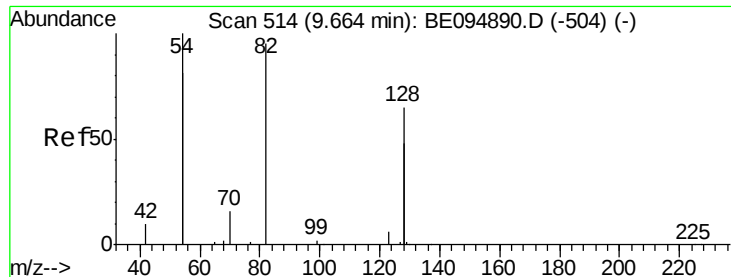
54 33.7 29.1 43.7

68 6.8 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: 0.527 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

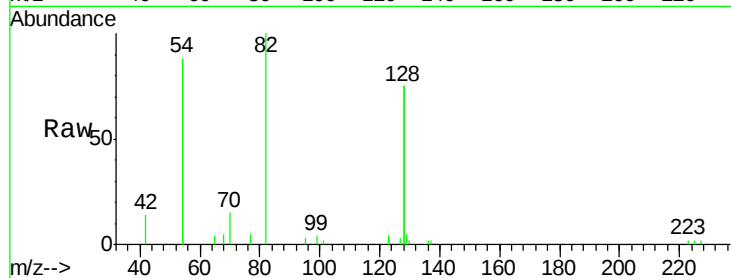
Tot Ion: 82 Resp: 5777

Ion Ratio Lower Upper

82 100

128 149.8 150.0 225.0#

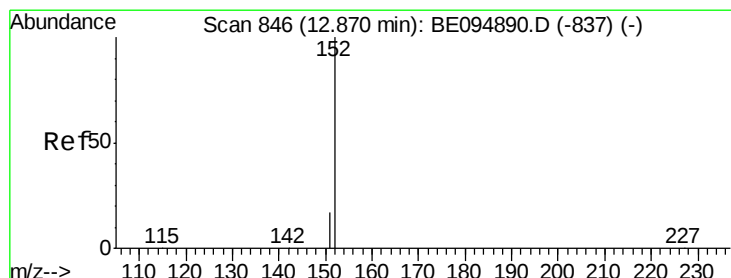
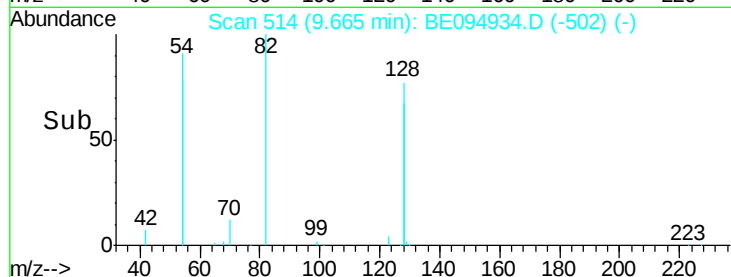
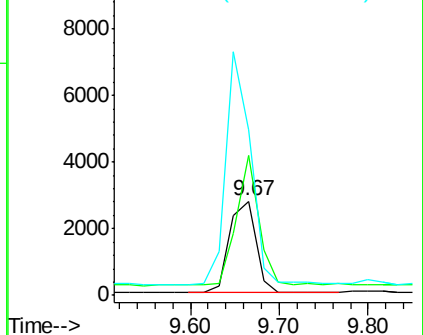
54 175.9 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094890.D (-504) (-)

Ion 128.00 (127.70 to 128.70): BE094890.D (-504) (-)

Ion 54.00 (53.70 to 54.70): BE094890.D (-504) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.407 ng

RT: 12.87 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE094934.D

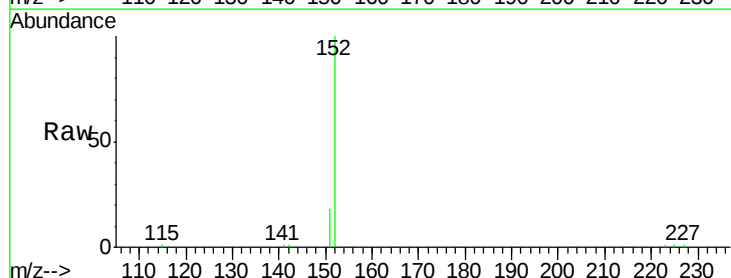
Acq: 6 Dec 2017 2:46

Tgt Ion: 152 Resp: 12024

Ion Ratio Lower Upper

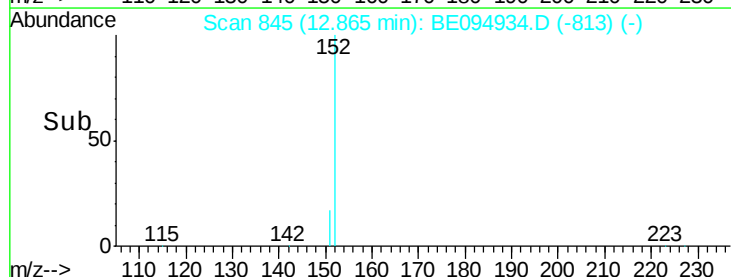
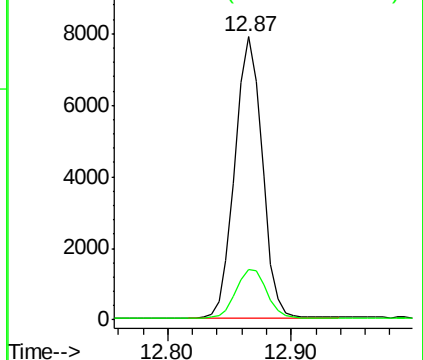
152 100

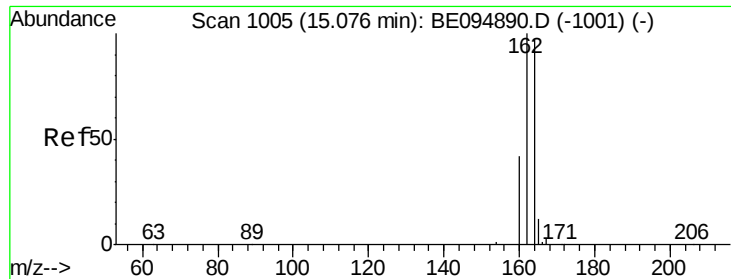
151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE094890.D (-837) (-)

Ion 151.00 (150.70 to 151.70): BE094890.D (-837) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

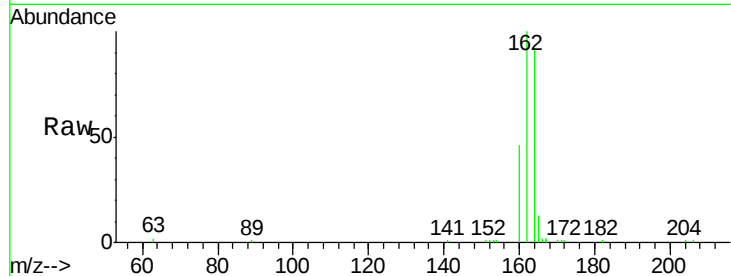
Tot Ion:164 Resp: 10576

Ion Ratio Lower Upper

164 100

162 108.7 83.1 124.7

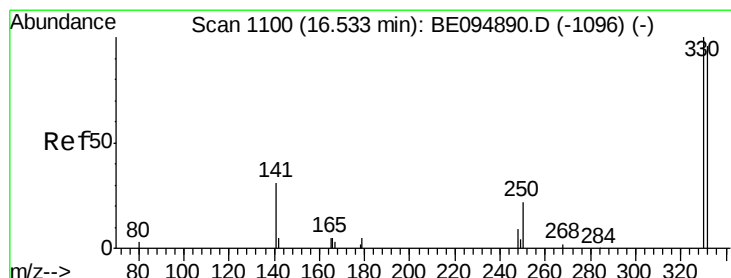
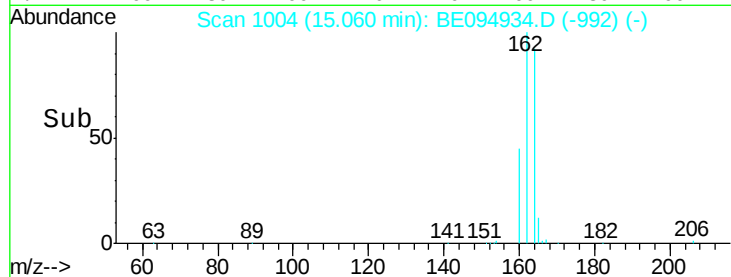
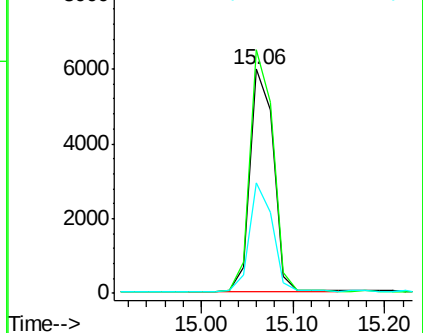
160 49.5 37.1 55.7



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: 0.508 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

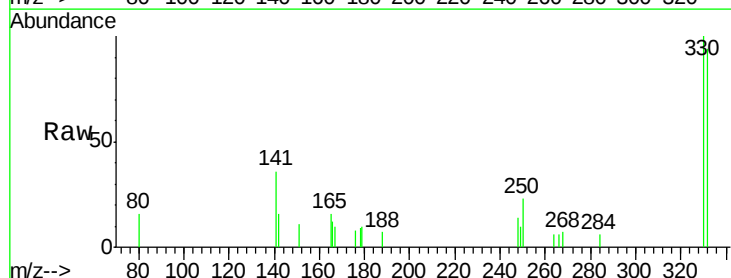
Tgt Ion:330 Resp: 1159

Ion Ratio Lower Upper

330 100

332 96.9 152.7 229.1#

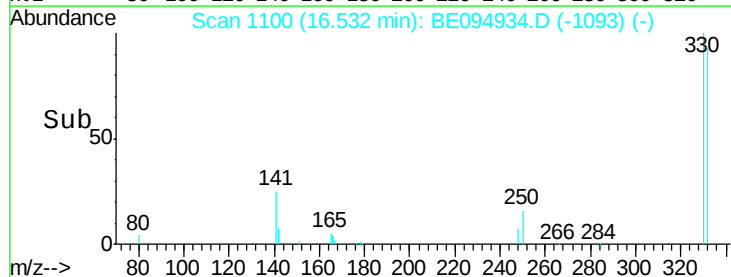
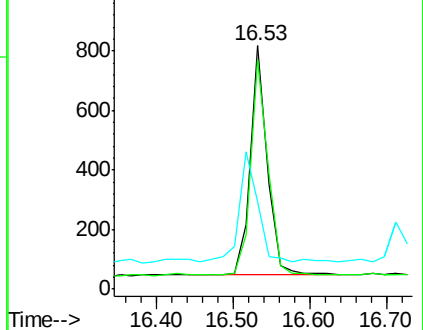
141 52.8 33.7 50.5#

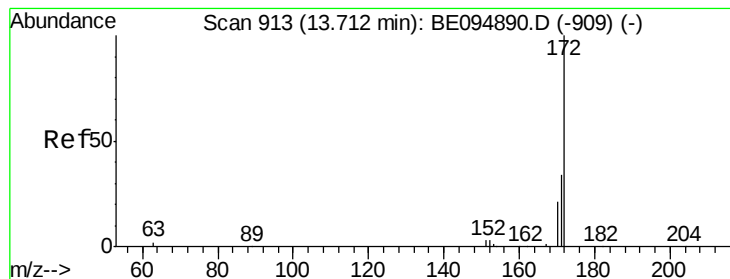


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

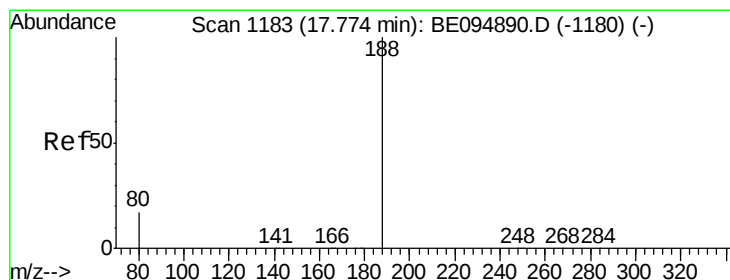
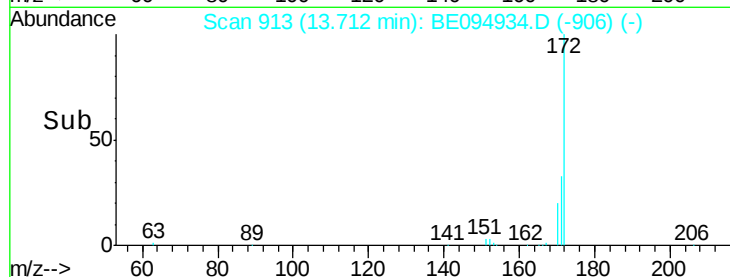
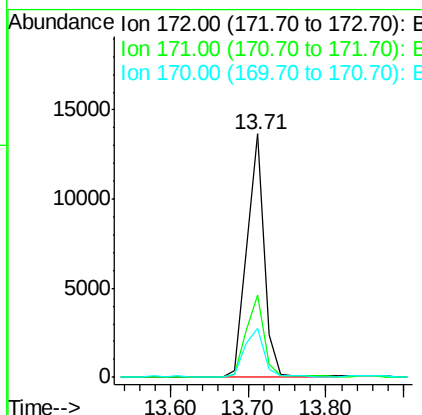
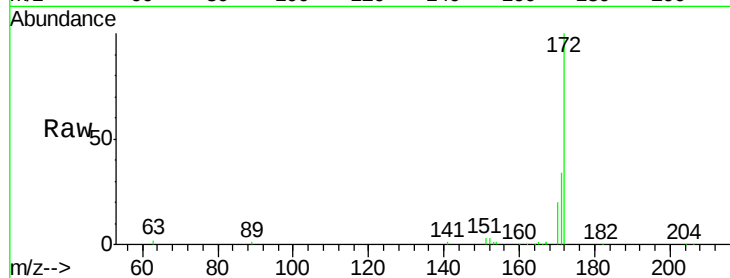




#15
2-Fluorobiphenyl
Concen: 0.460 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094934.D
Acq: 6 Dec 2017 2:46

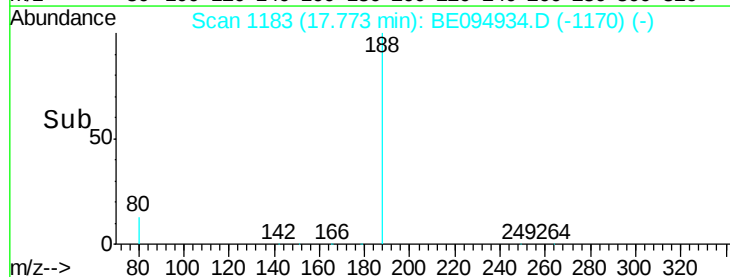
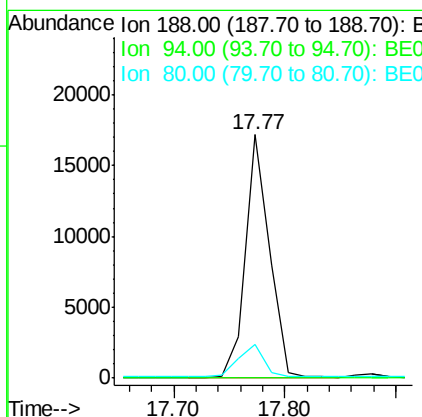
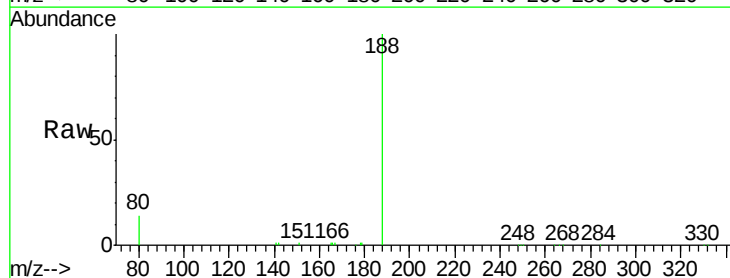
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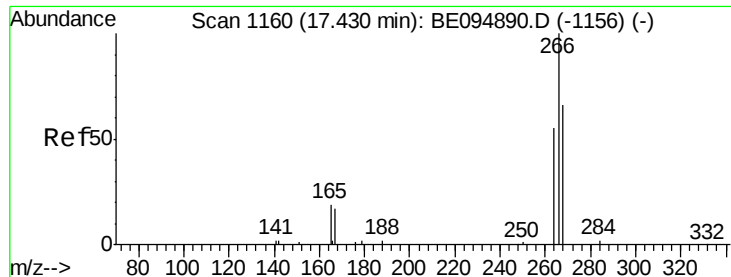
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.9	44.9
170	20.3	21.8	32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094934.D
Acq: 6 Dec 2017 2:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9
80	13.8	3.6	5.4





#22

Pentachlorophenol

Concen: 0.144 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

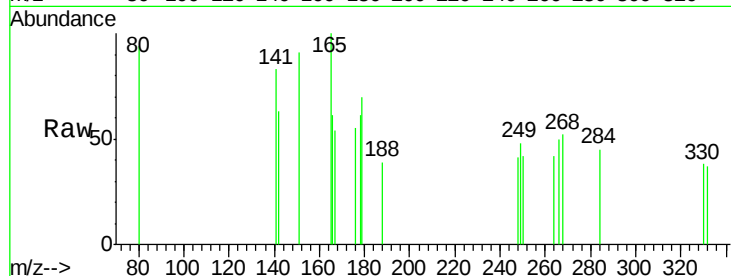
Tot Ion:266 Resp: 51

Ion Ratio Lower Upper

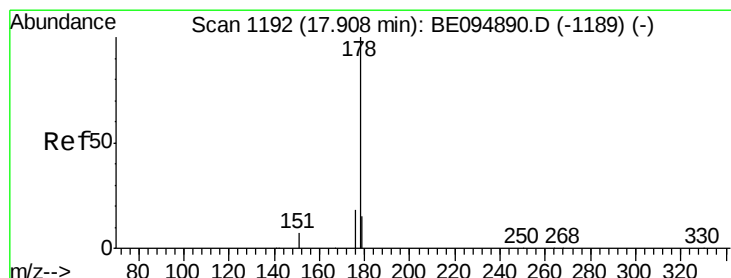
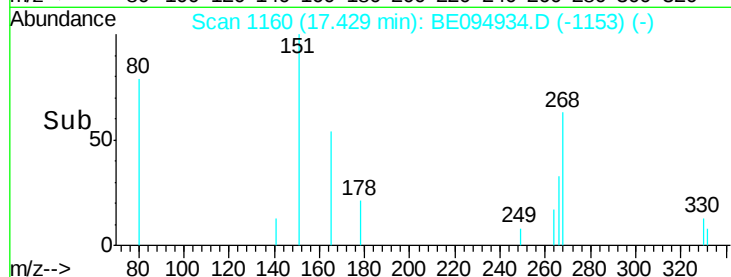
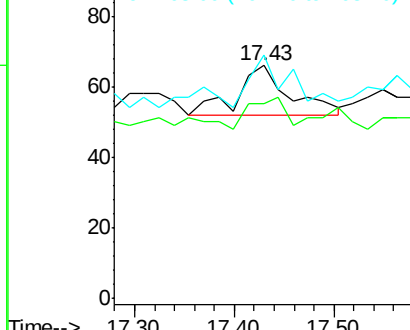
266 100

264 83.3 72.5 108.7

268 104.5 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



#24

Anthracene

Concen: 0.029 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

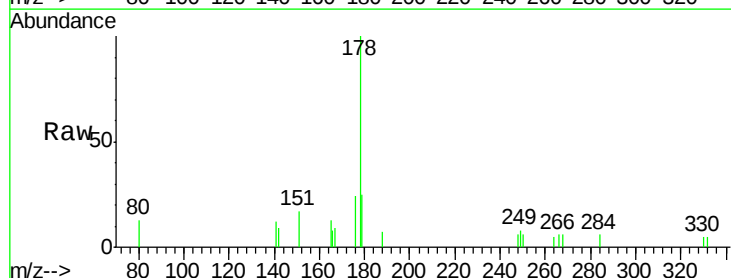
Tgt Ion:178 Resp: 2497

Ion Ratio Lower Upper

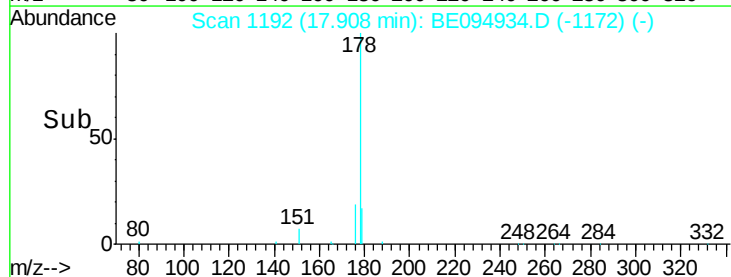
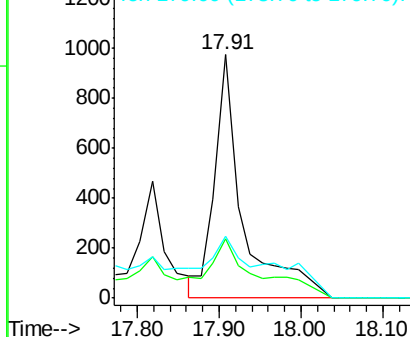
178 100

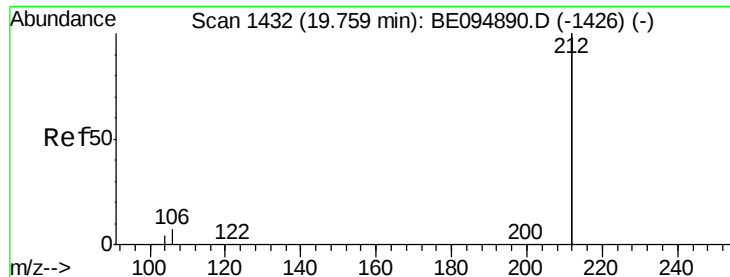
176 37.4 12.8 19.2#

179 8.5 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

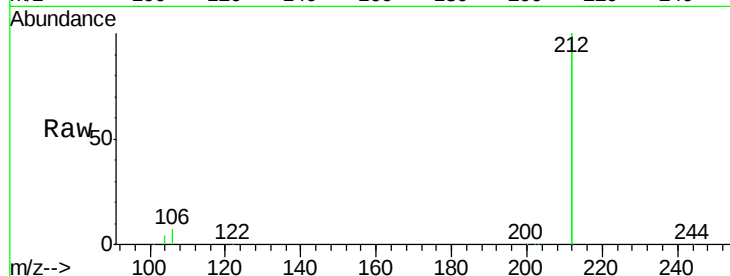




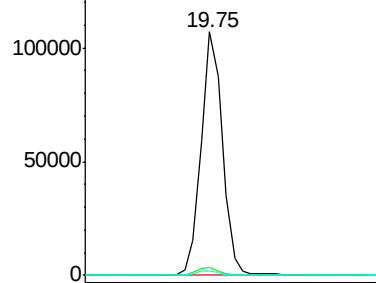
#25
 Fluoranthene-d10
 Concen: 0.403 ng
 RT: 19.75 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BE094934.D
 Acq: 6 Dec 2017 2:46

Instrument :
 BNA_E
 ClientSampleId :
 FT-MW03S-20171130

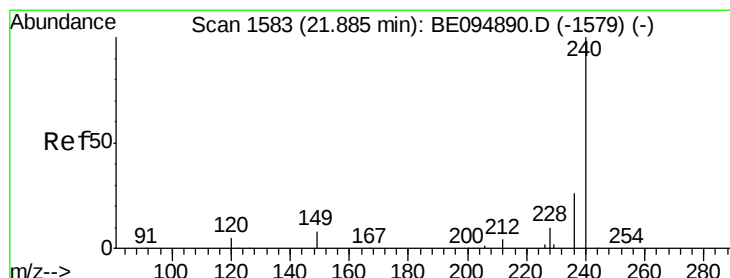
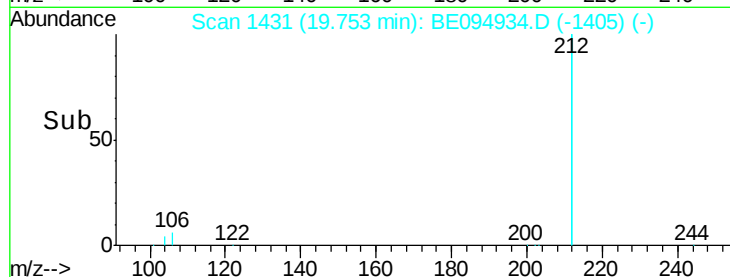
Tot Ion:212 Resp: 140279
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 2.0 1.6 2.4



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

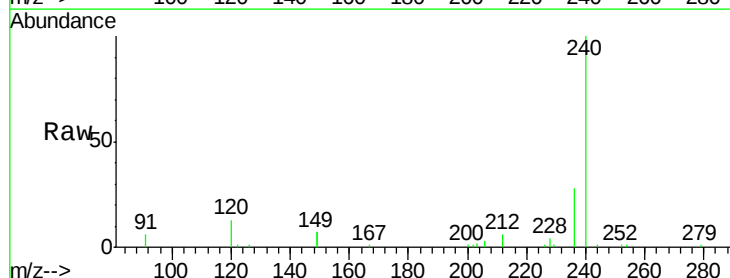


Time-->

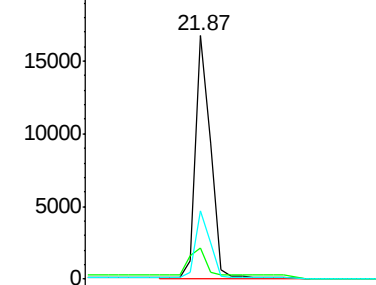


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BE094934.D
 Acq: 6 Dec 2017 2:46

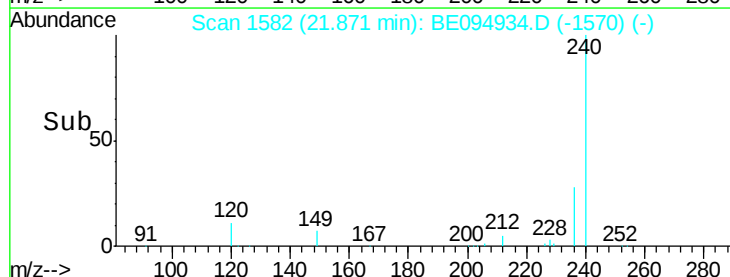
Tgt Ion:240 Resp: 28125
 Ion Ratio Lower Upper
 240 100
 120 13.0 5.5 8.3#
 236 28.1 20.7 31.1

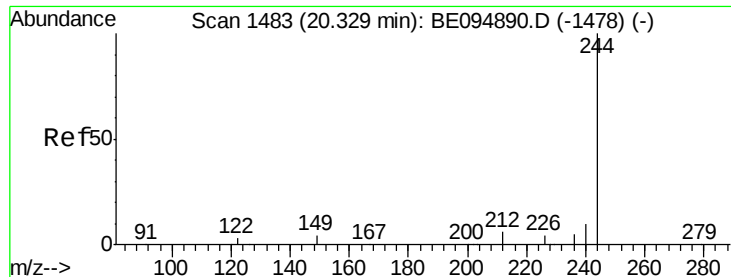


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#29

Terphenyl-d14

Concen: 0.519 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

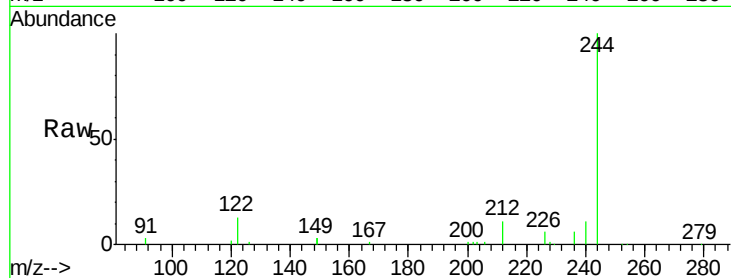
Tot Ion:244 Resp: 26981

Ion Ratio Lower Upper

244 100

212 11.0 25.4 38.0#

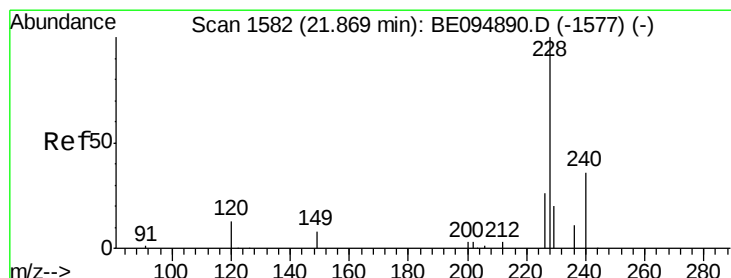
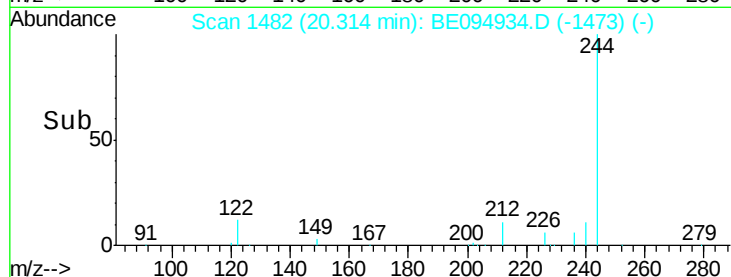
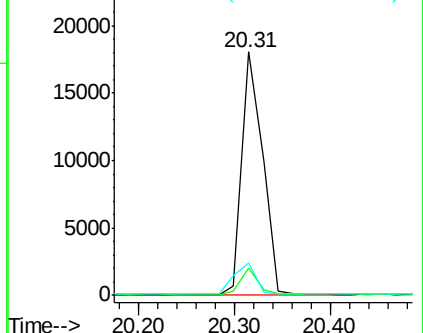
122 13.1 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.86 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

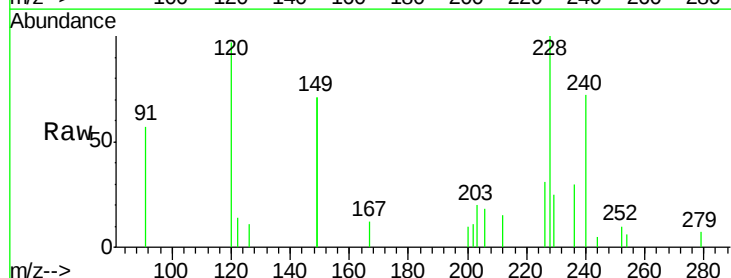
Tgt Ion:228 Resp: 2375

Ion Ratio Lower Upper

228 100

226 30.6 40.0 60.0#

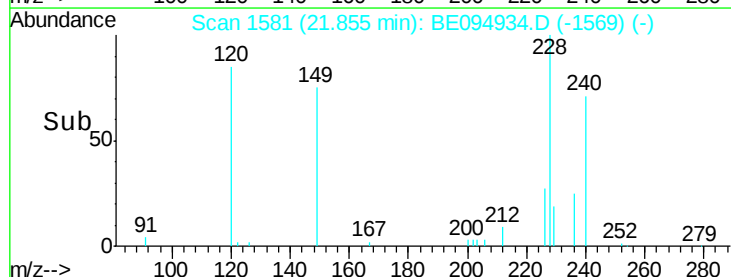
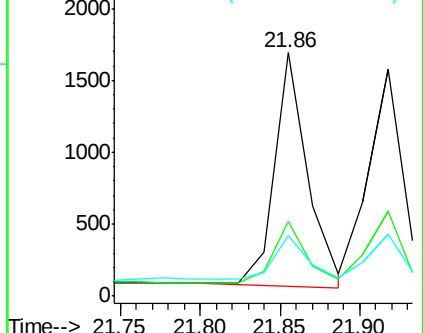
229 24.9 40.0 60.0#

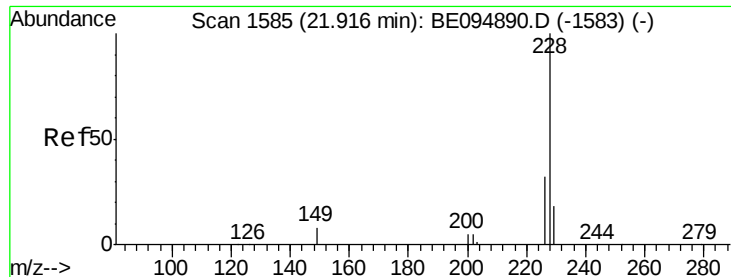


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.032 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

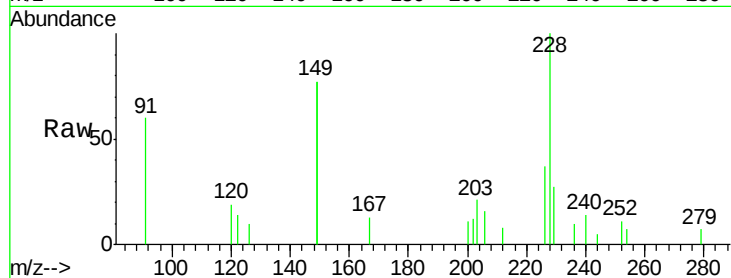
Tot Ion:228 Resp: 3002

Ion Ratio Lower Upper

228 100

226 37.2 40.0 60.0#

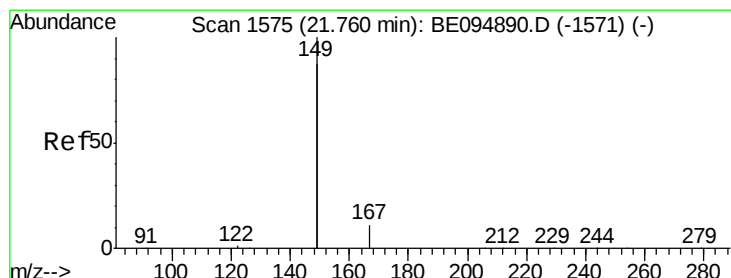
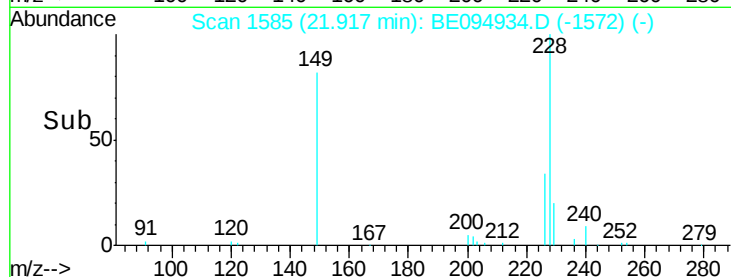
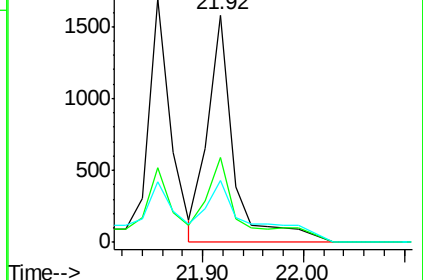
229 27.2 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.75 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

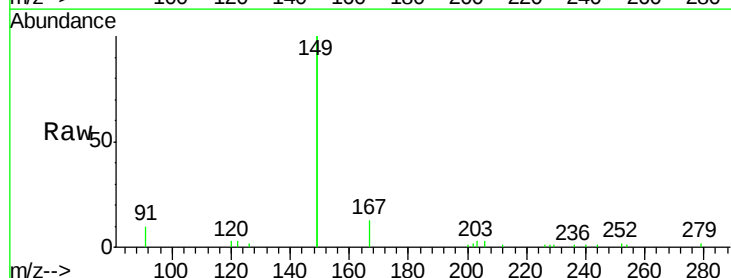
Tgt Ion:149 Resp: 20609

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

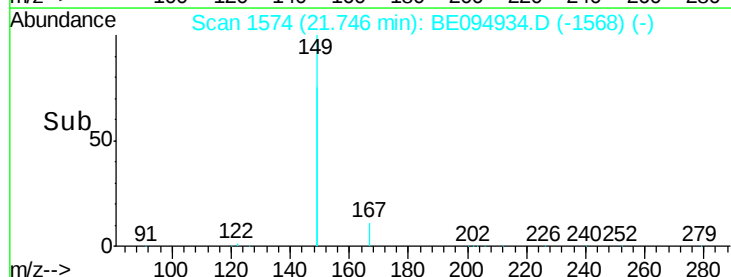
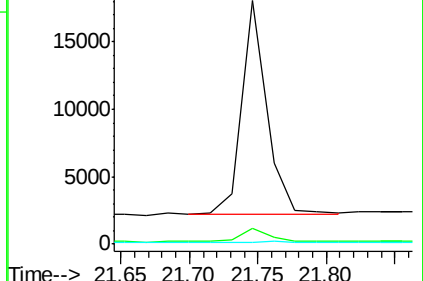
279 0.8 0.7 1.1

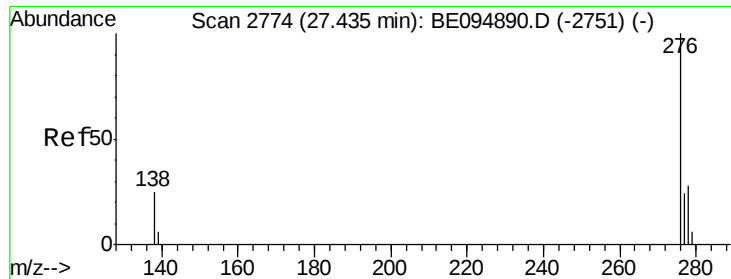


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

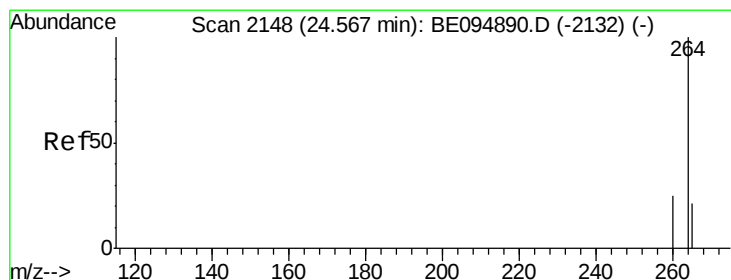
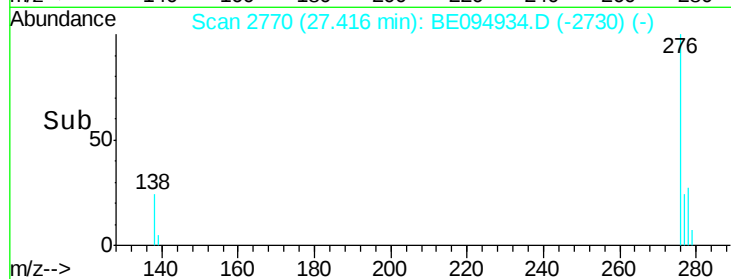
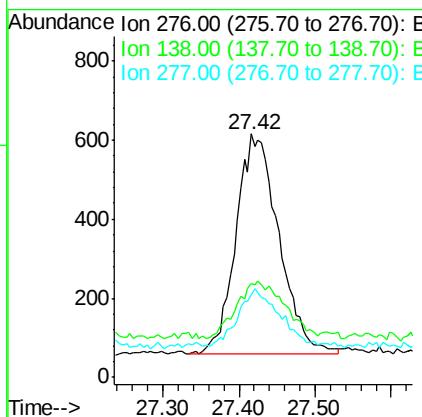
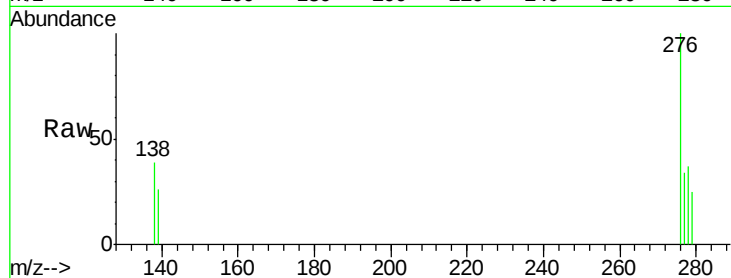




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.028 ng
 RT: 27.42 min Scan# 2770
 Delta R.T. -0.02 min
 Lab File: BE094934.D
 Acq: 6 Dec 2017 2:46

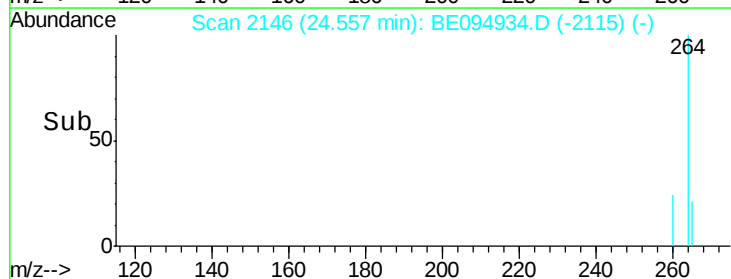
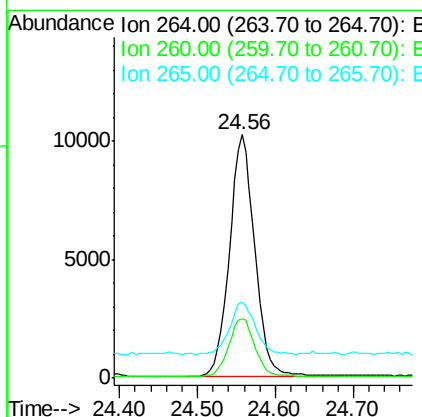
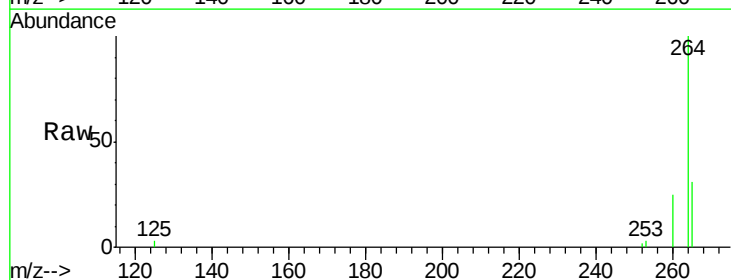
Instrument :
 BNA_E
 ClientSampleId :
 FT-MW03S-20171130

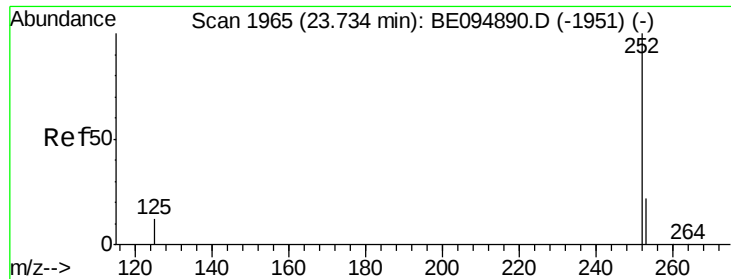
Tot Ion:276 Resp: 2184
 Ion Ratio Lower Upper
 276 100
 138 29.4 22.5 33.7
 277 24.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.56 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BE094934.D
 Acq: 6 Dec 2017 2:46

Tgt Ion:264 Resp: 22953
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.5 30.7
 265 31.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.028 ng

RT: 23.72 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

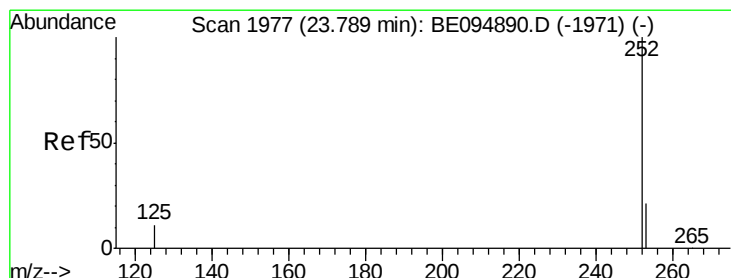
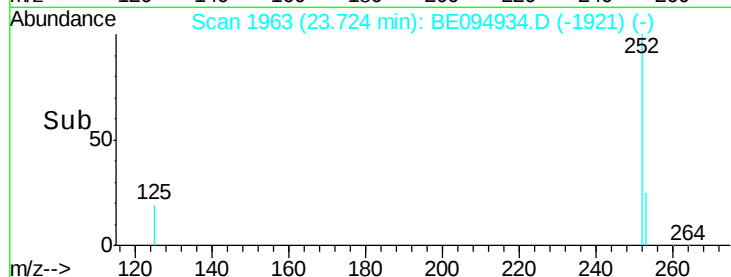
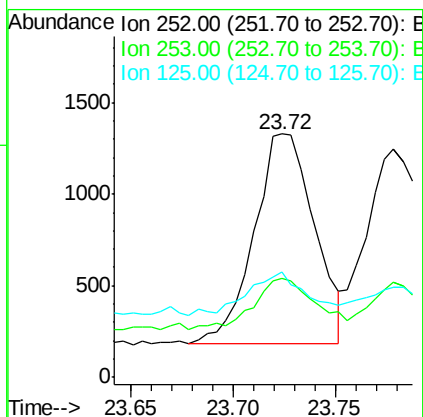
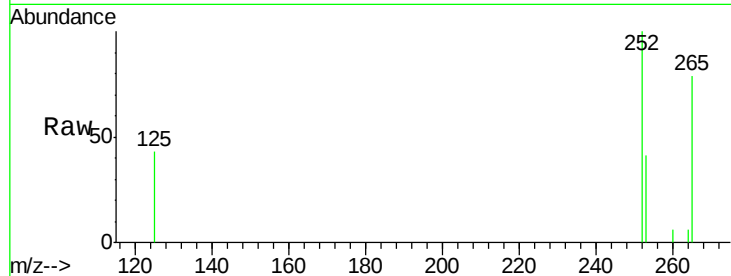
Tot Ion:252 Resp: 2336

Ion Ratio Lower Upper

252 100

253 40.9 48.0 72.0#

125 43.0 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.024 ng

RT: 23.78 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

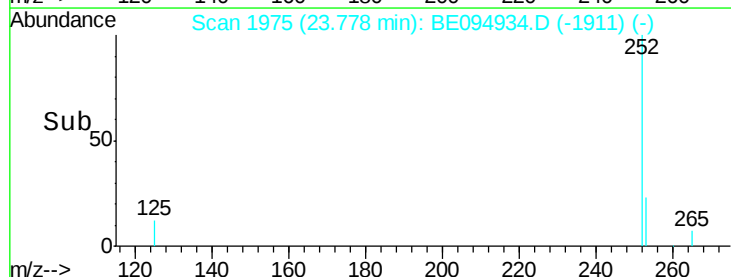
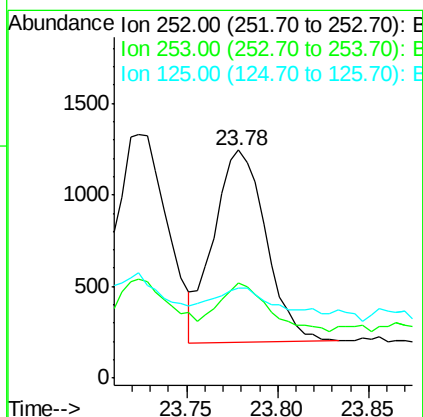
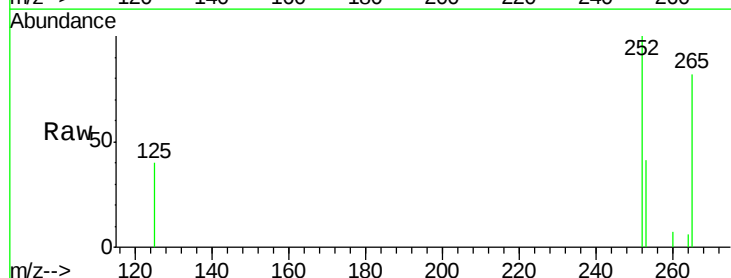
Tgt Ion:252 Resp: 2088

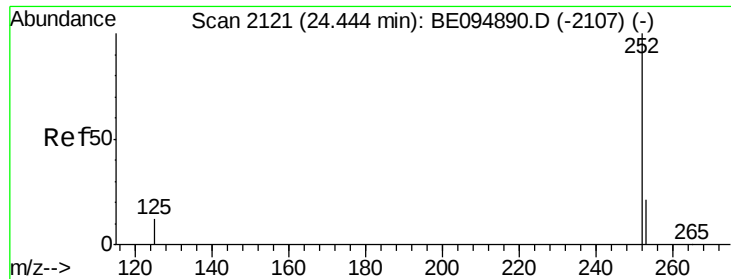
Ion Ratio Lower Upper

252 100

253 41.5 48.0 72.0#

125 39.5 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 24.43 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130

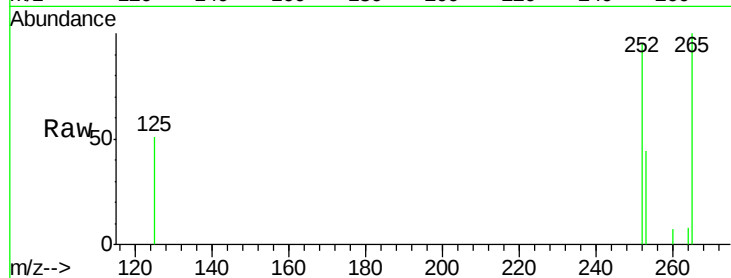
Tot Ion:252 Resp: 1745

Ion Ratio Lower Upper

252 100

253 46.7 52.0 78.0#

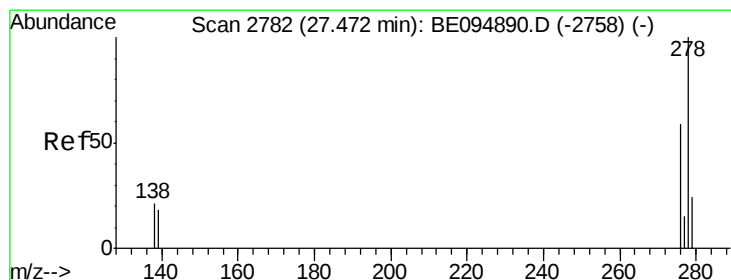
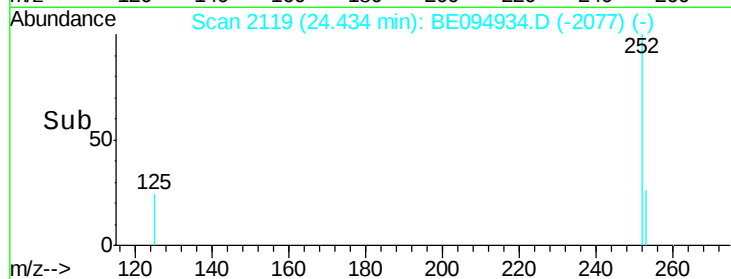
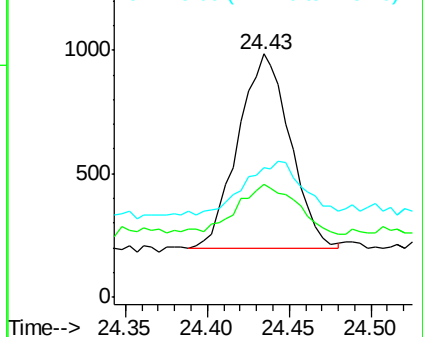
125 53.4 68.0 102.0#



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: 0.026 ng

RT: 27.45 min Scan# 2778

Delta R.T. -0.02 min

Lab File: BE094934.D

Acq: 6 Dec 2017 2:46

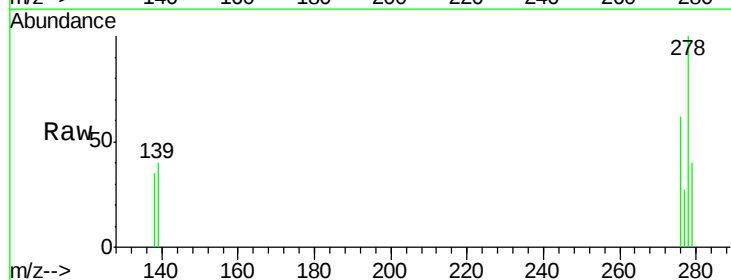
Tgt Ion:278 Resp: 1769

Ion Ratio Lower Upper

278 100

139 40.3 56.0 84.0#

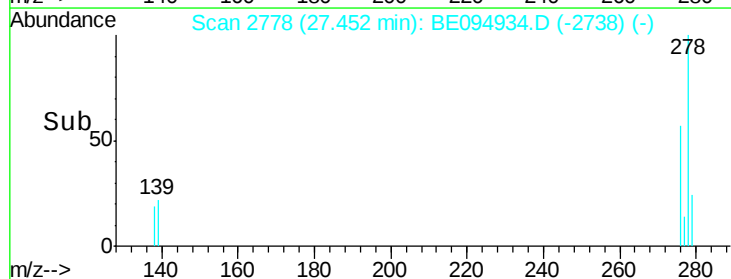
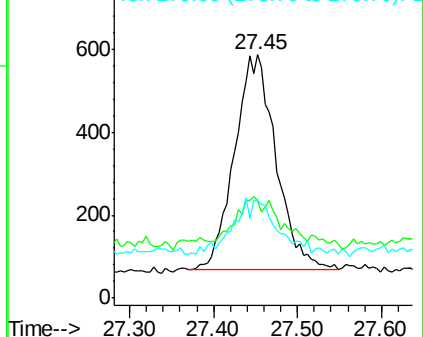
279 40.1 52.0 78.0#

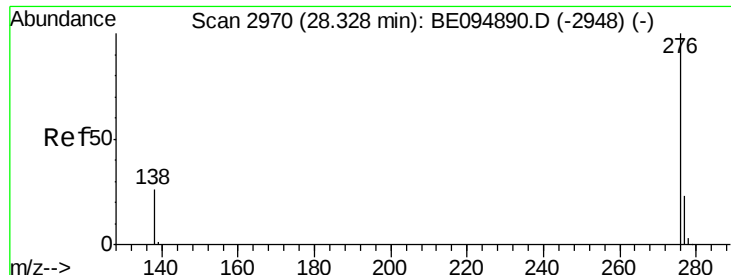


Abundance Ion 278.00 (277.70 to 278.70): E

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: 28.31 min Scan# 2966

Delta R.T. -0.02 min

Lab File: BE094934.D

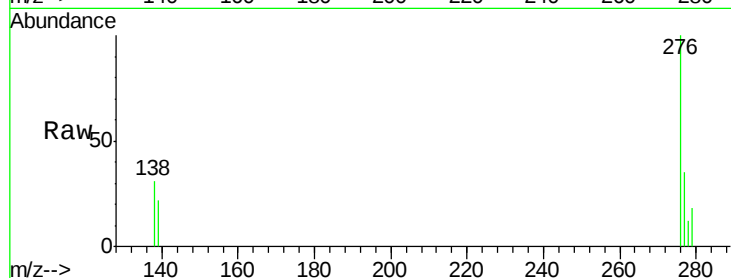
Acq: 6 Dec 2017 2:46

Instrument :

BNA_E

ClientSampleId :

FT-MW03S-20171130



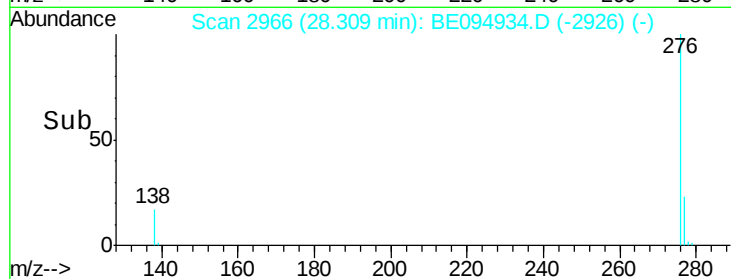
Tot Ion: 276 Resp: 2189

Ion Ratio Lower Upper

276 100

277 34.6 52.0 78.0#

138 31.2 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

