

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\
 Data File : BE093945.D
 Acq On : 5 Sep 2017 20:14
 Operator : SJ/JU
 Sample : I5057-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MWHR3-8

Quant Time: Sep 06 05:28:14 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2293	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	10960	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	6548	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11949	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	16724	0.40	ng	0.00
34) Perylene-d12	23.94	264	14055	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	903	0.12	ng	0.00
5) Phenol-d6	7.13	99	774	0.07	ng	0.01
8) Nitrobenzene-d5	9.08	82	2689	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	5011	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	581	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	8622	0.33	ng	0.00
25) Fluoranthene-d10	19.28	212	56639	0.32	ng	0.00
29) Terphenyl-d14	19.87	244	15710	0.51	ng	0.00

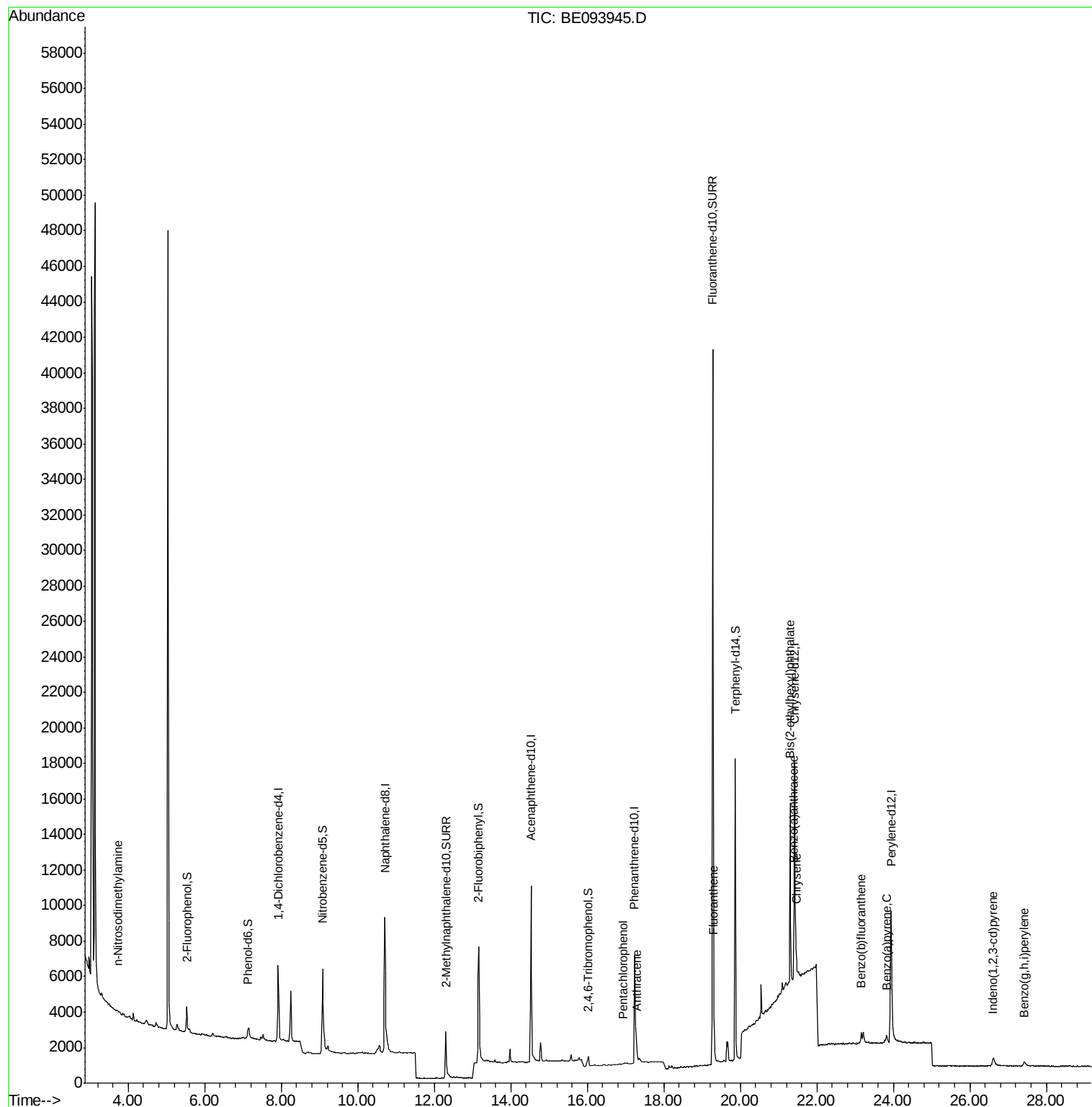
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.73	42	98	0.026	ng	# 1
20) 4-Bromophenyl-phenylether	16.45	248	63	Below Cal		# 54
22) Pentachlorophenol	16.94	266	78	0.041	ng	# 76
23) Phenanthrene	17.30	178	1152	Below Cal		# 96
24) Anthracene	17.30	178	1220	0.034	ng	# 80
26) Fluoranthene	19.31	202	1098	0.021	ng	# 94
30) Benzo(a)anthracene	21.40	228	1171	0.023	ng	# 69
31) Chrysene	21.46	228	1152	0.021	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.30	149	11702	0.094	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.60	276	784	0.022	ng	# 95
35) Benzo(b)fluoranthene	23.17	252	936	0.021	ng	# 1
37) Benzo(a)pyrene	23.82	252	932	0.020	ng	# 1
39) Benzo(a,h,i)perylene	27.41	276	713	0.022	ng	# 23

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

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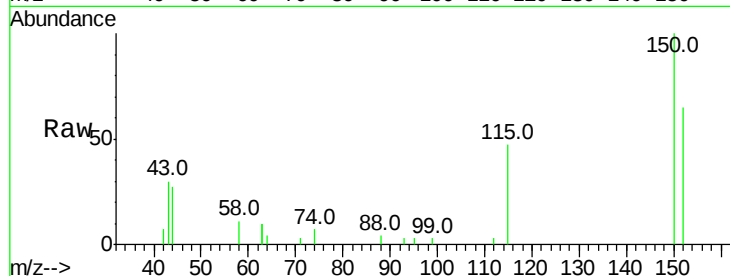


#1

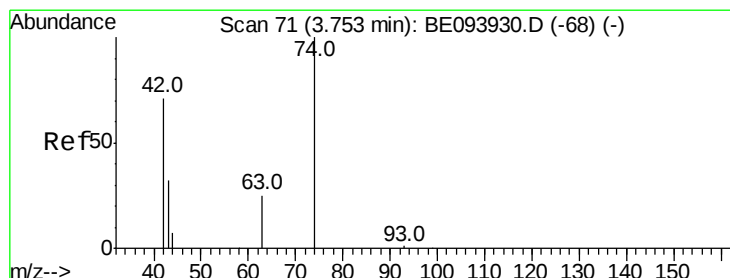
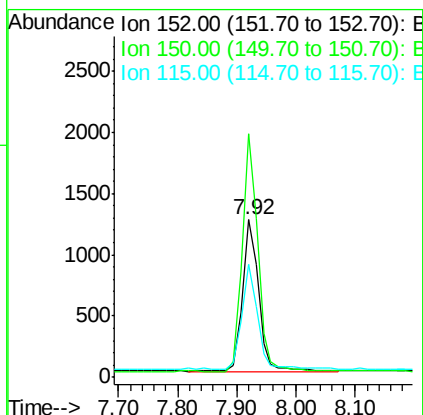
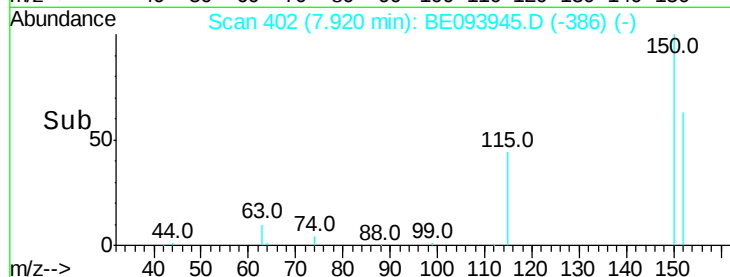
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093945.D
Acq: 5 Sep 2017 20:14

Instrument :
BNA_E
ClientSampled :
MWHHR3-8

Tot Ion:152 Resp: 2293
Ion Ratio Lower Upper
152 100
150 154.8 121.8 182.6
115 72.1 52.6 79.0



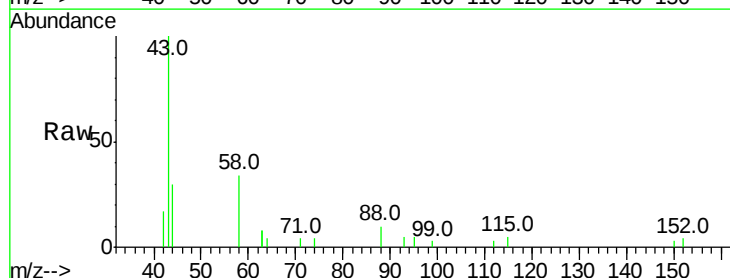
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



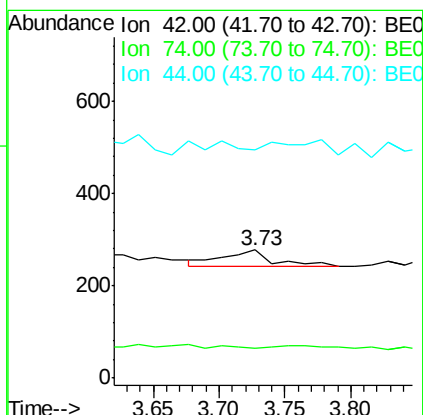
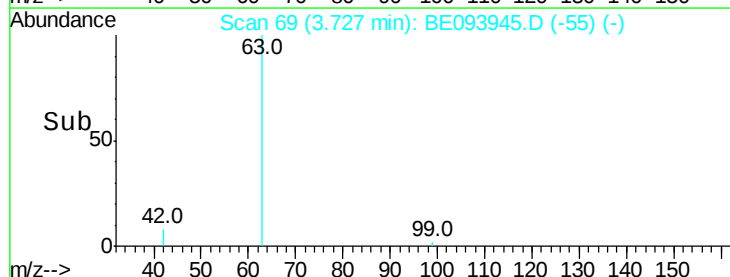
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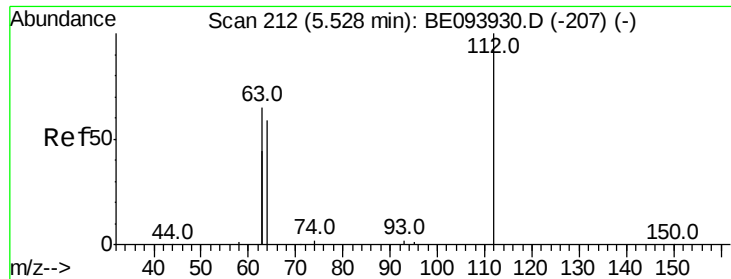
n-Nitrosodimethylamine
Concen: 0.026 ng
RT: 3.73 min Scan# 69
Delta R.T. -0.03 min
Lab File: BE093945.D
Acq: 5 Sep 2017 20:14

Tgt Ion: 42 Resp: 98
Ion Ratio Lower Upper
42 100
74 0.0 104.0 156.0#
44 0.0 13.8 20.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.122 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

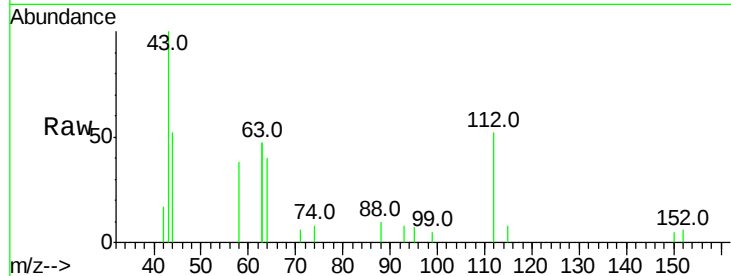
Tot Ion: 112 Resp: 903

Ion Ratio Lower Upper

112 100

64 74.0 57.7 86.5

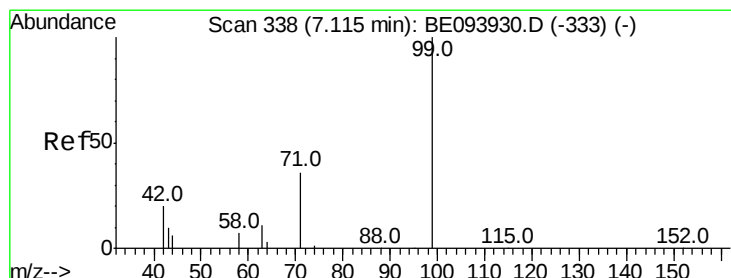
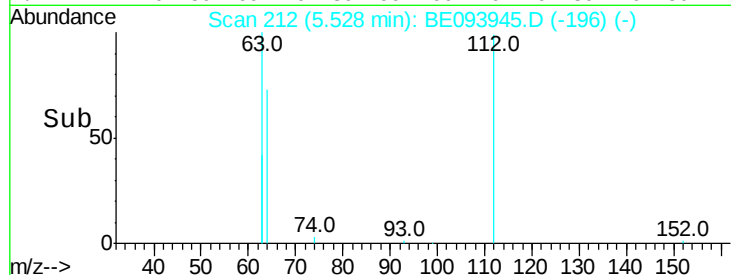
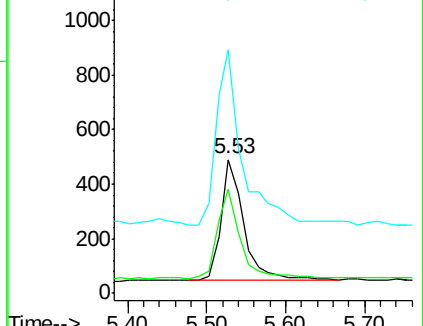
63 159.9 116.0 174.0



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.070 ng

RT: 7.13 min Scan# 339

Delta R.T. 0.01 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

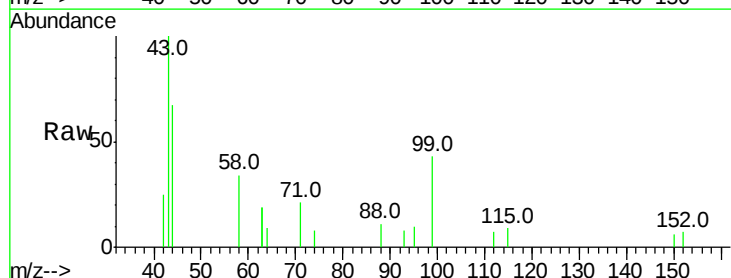
Tgt Ion: 99 Resp: 774

Ion Ratio Lower Upper

99 100

42 29.1 17.1 25.7#

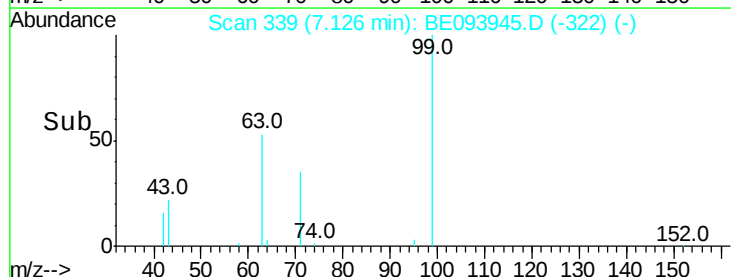
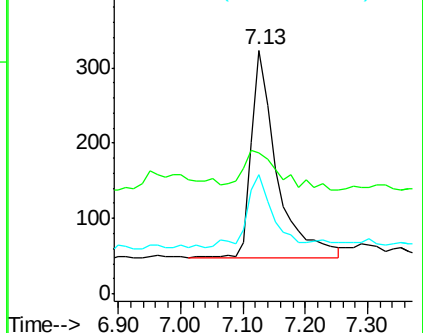
71 36.7 26.6 39.8

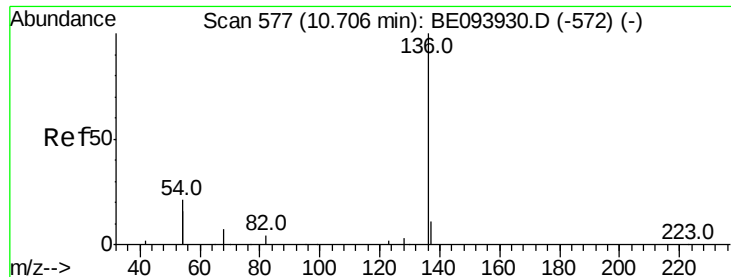


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

Tot Ion:136 Resp: 10960

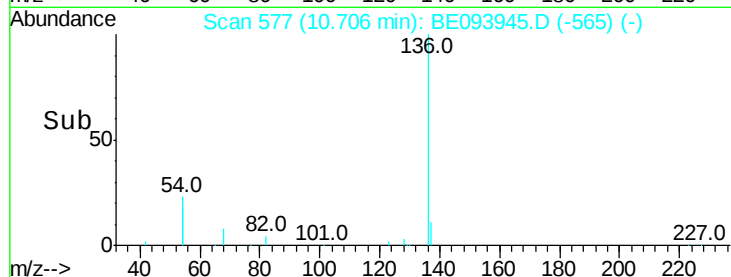
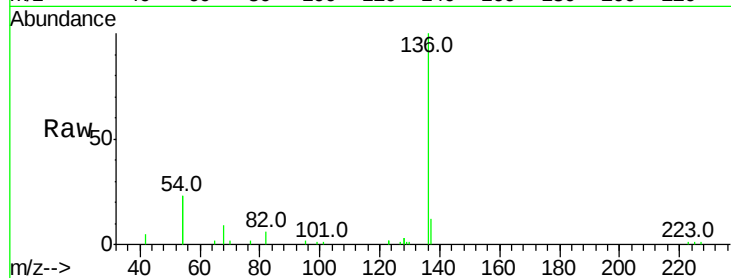
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 46.4 21.9 32.9#

68 9.3 4.6 7.0#

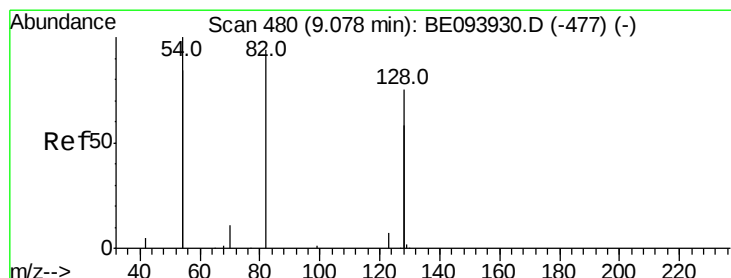
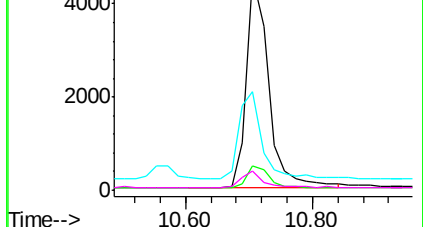


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.290 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

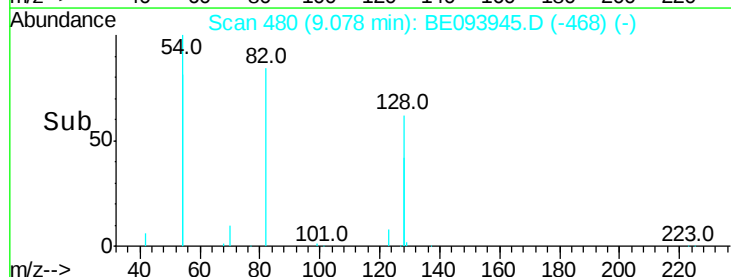
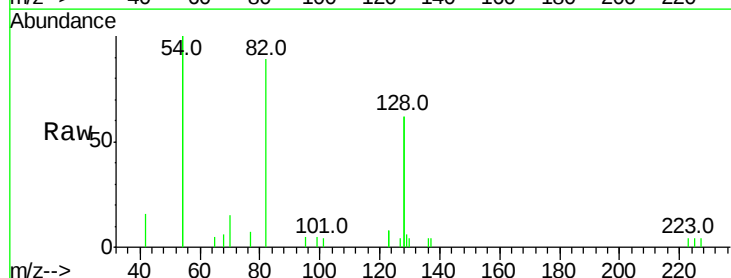
Tgt Ion: 82 Resp: 2689

Ion Ratio Lower Upper

82 100

128 139.6 91.4 137.0#

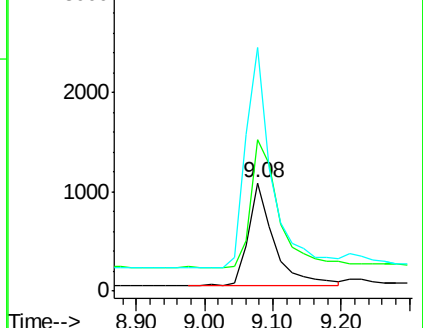
54 224.3 197.8 296.8

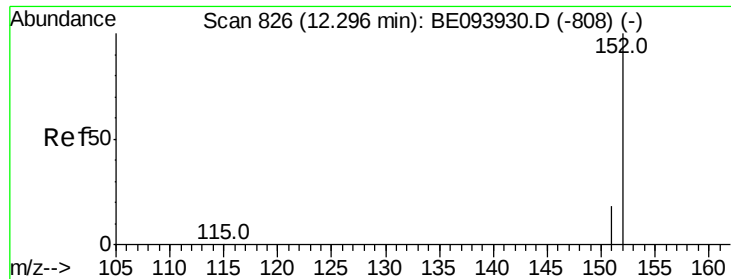


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.286 ng

RT: 12.30 min Scan# 827

Delta R.T. 0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

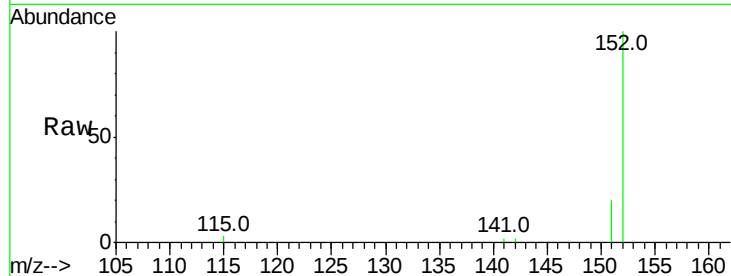
MWHR3-8

Tot Ion:152 Resp: 5011

Ion Ratio Lower Upper

152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

2500

2000

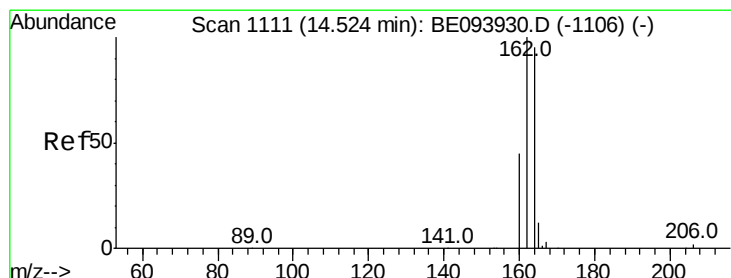
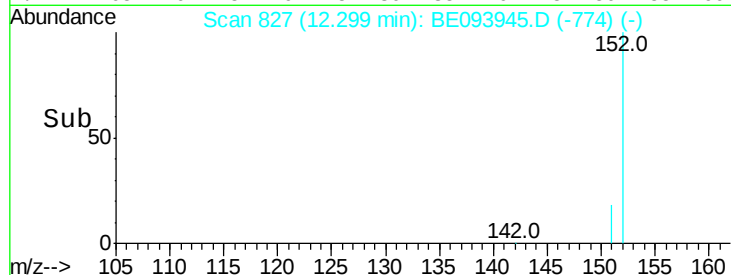
1500

1000

500

0

Time--> 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

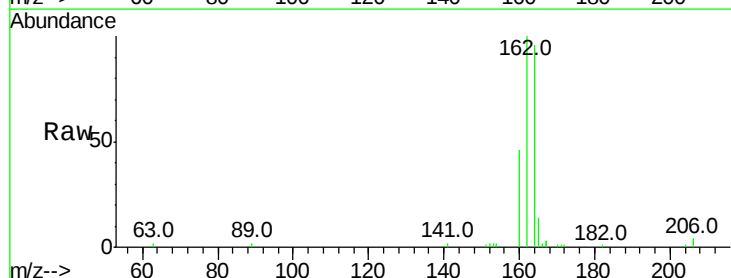
Tgt Ion:164 Resp: 6548

Ion Ratio Lower Upper

164 100

162 104.1 80.8 121.2

160 48.0 37.0 55.4



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

14.53

5000

4000

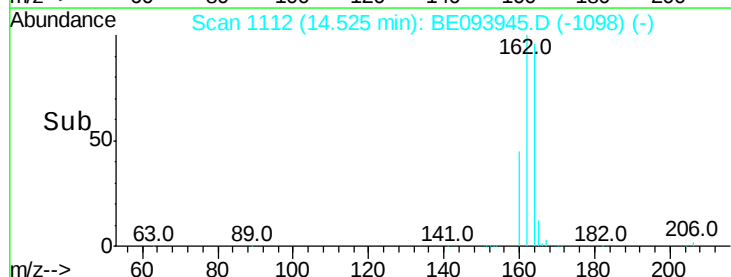
3000

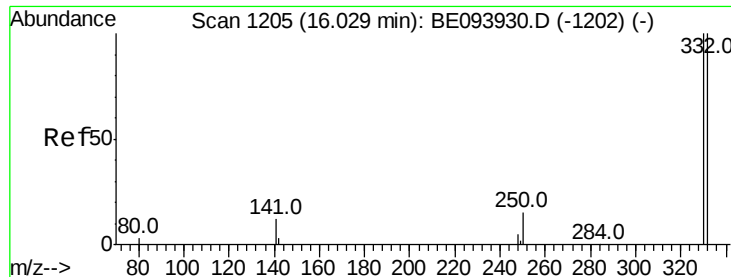
2000

1000

0

Time--> 14.40 14.50 14.60

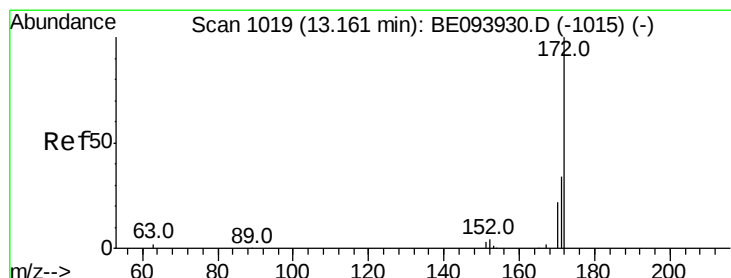
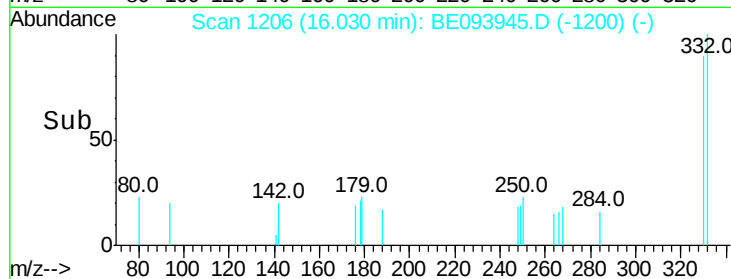
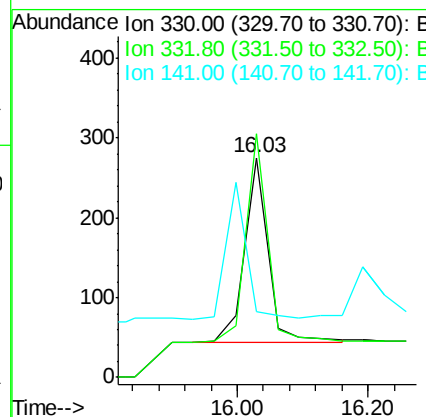
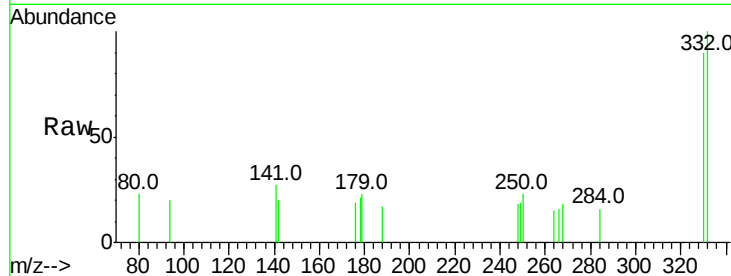




#14
 2,4,6-Tribromophenol
 Concen: 0.287 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093945.D
 Acq: 5 Sep 2017 20:14

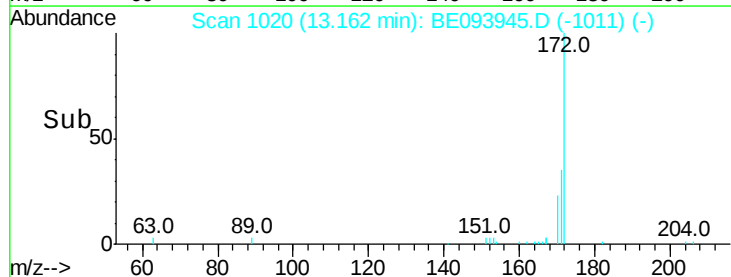
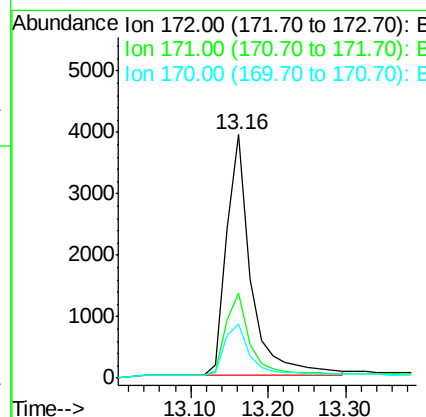
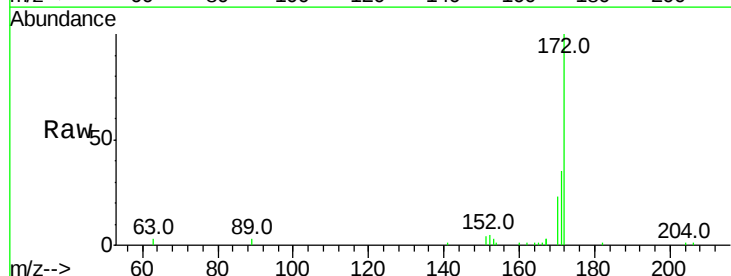
Instrument :
 BNA_E
 ClientSampleId :
 MWHR3-8

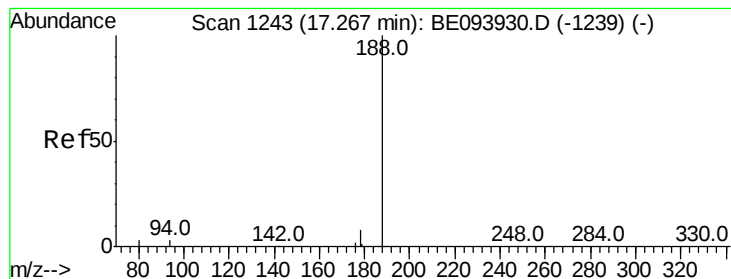
Tot Ion:330 Resp: 581
 Ion Ratio Lower Upper
 330 100
 332 104.6 76.9 115.3
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 0.333 ng
 RT: 13.16 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BE093945.D
 Acq: 5 Sep 2017 20:14

Tgt Ion:172 Resp: 8622
 Ion Ratio Lower Upper
 172 100
 171 34.7 26.9 40.3
 170 22.5 17.3 25.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

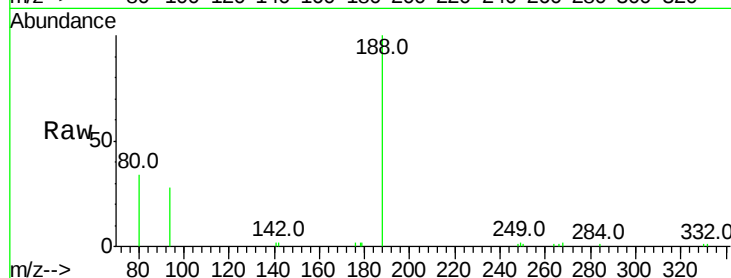
Tot Ion:188 Resp: 11949

Ion Ratio Lower Upper

188 100

94 27.9 16.1 24.1#

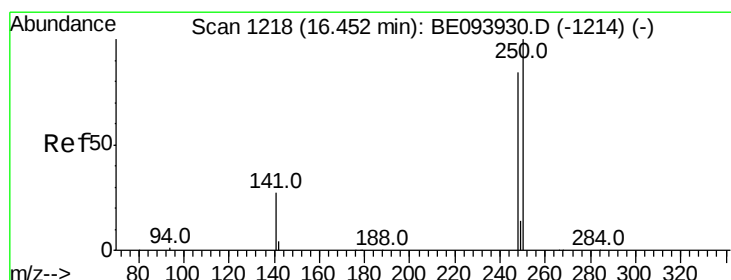
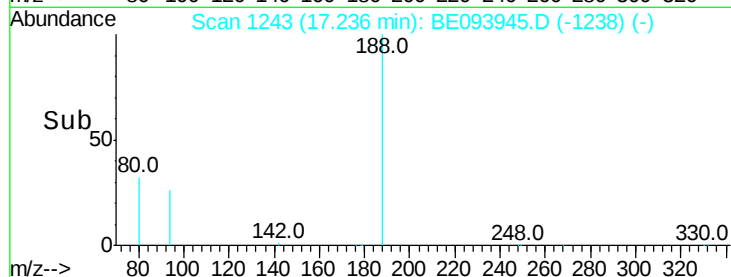
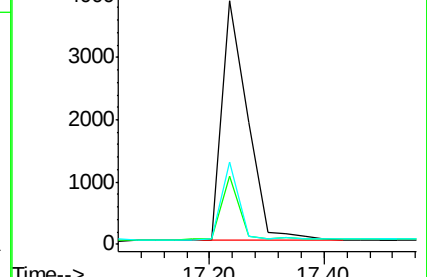
80 33.7 18.2 27.2#



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



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

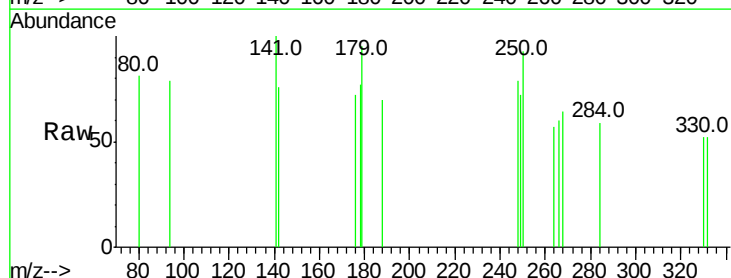
Tgt Ion:248 Resp: 63

Ion Ratio Lower Upper

248 100

250 117.6 111.8 167.8

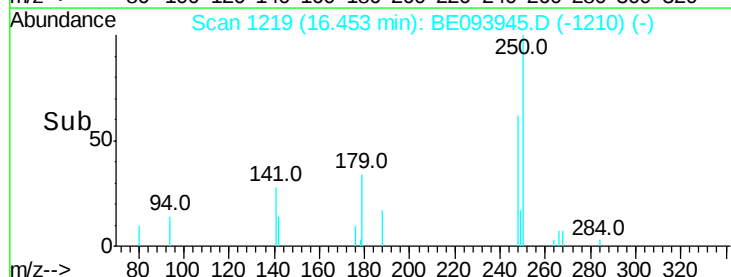
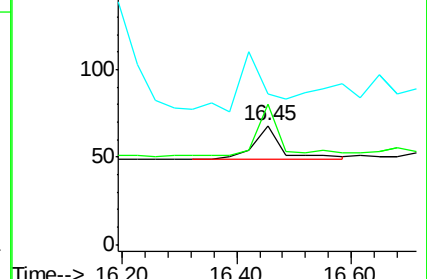
141 126.5 27.1 40.7#

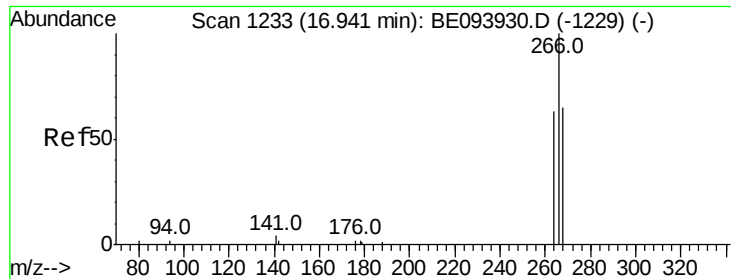


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

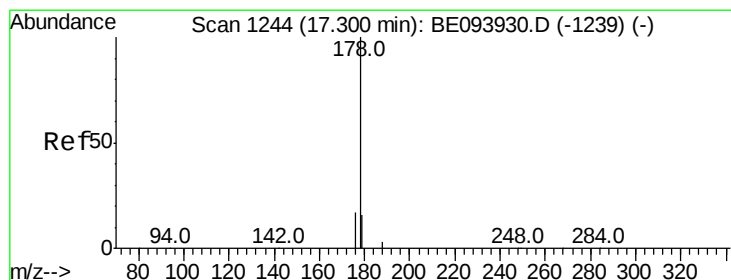
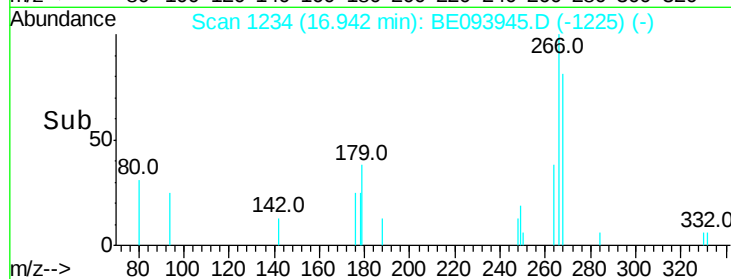
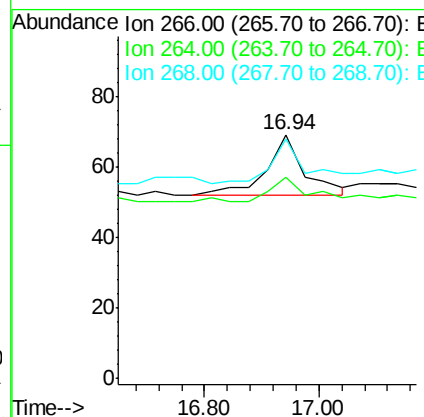
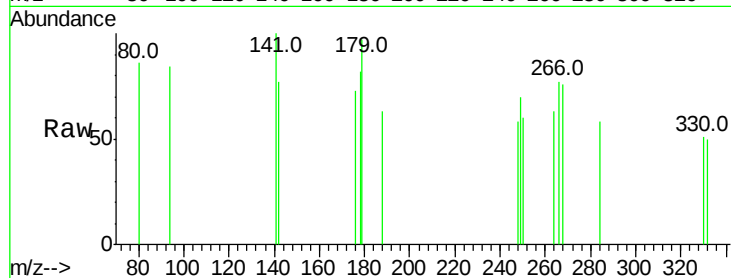




#22
 Pentachlorophenol
 Concen: 0.041 ng
 RT: 16.94 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BE093945.D
 Acq: 5 Sep 2017 20:14

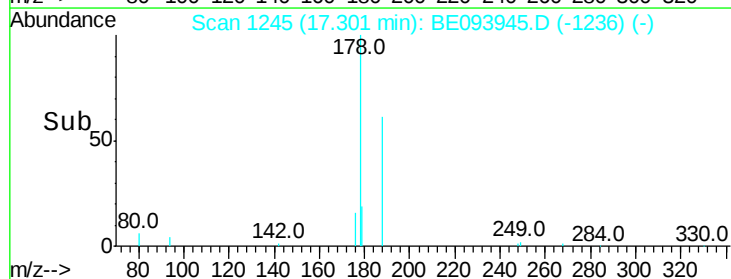
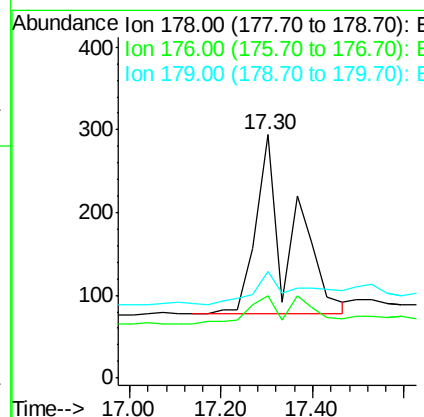
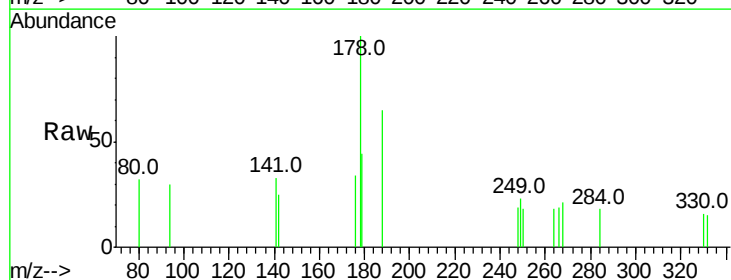
Instrument :
 BNA_E
 ClientSampleId :
 MWHR3-8

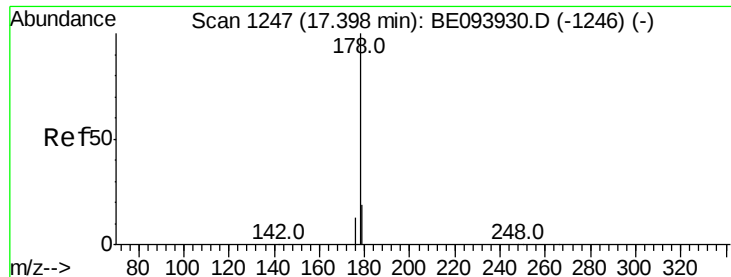
Tot Ion:266 Resp: 78
 Ion Ratio Lower Upper
 266 100
 264 82.6 53.5 80.3#
 268 98.6 60.0 90.0#



#23
 Phenanthrene
 Concen: Below Cal
 RT: 17.30 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: BE093945.D
 Acq: 5 Sep 2017 20:14

Tgt Ion:178 Resp: 1152
 Ion Ratio Lower Upper
 178 100
 176 11.5 0.0 0.0#
 179 17.4 12.6 18.8





#24

Anthracene

Concen: 0.034 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

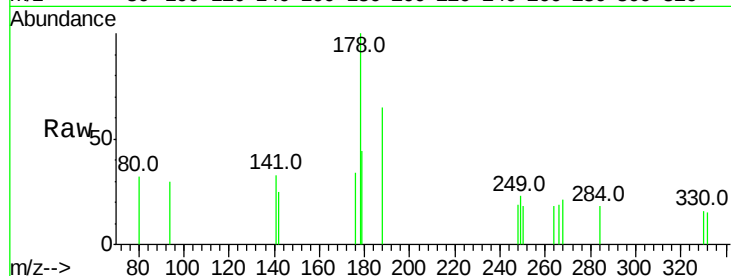
Tot Ion:178 Resp: 1220

Ion Ratio Lower Upper

178 100

176 10.9 16.0 24.0#

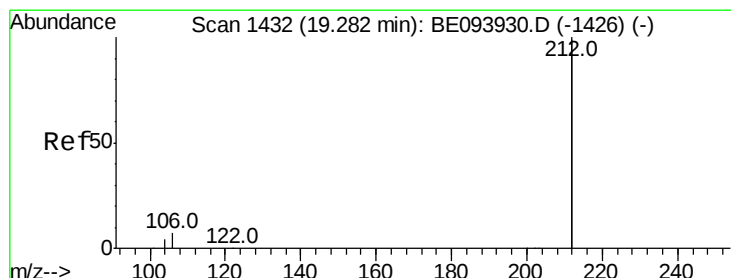
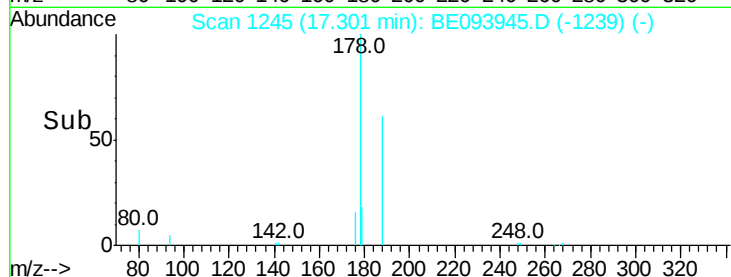
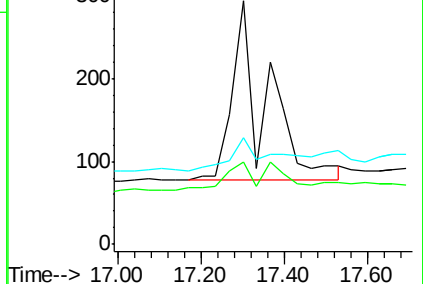
179 16.5 0.0 0.0#



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: 0.318 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

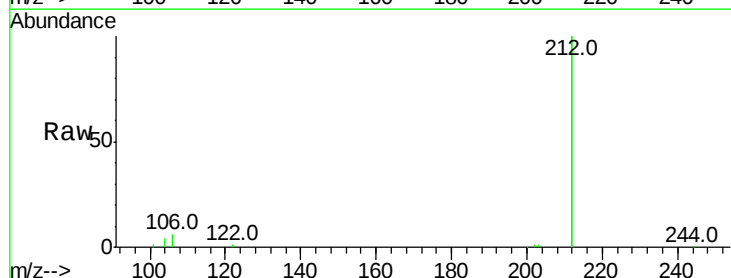
Tgt Ion:212 Resp: 56639

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

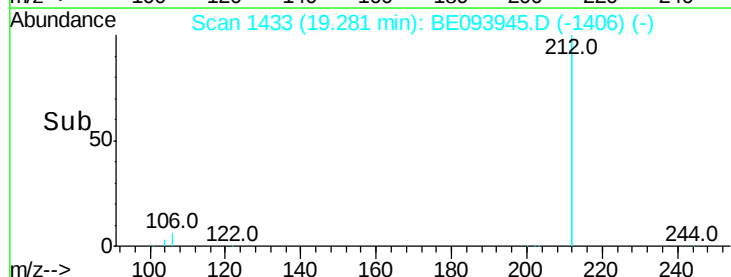
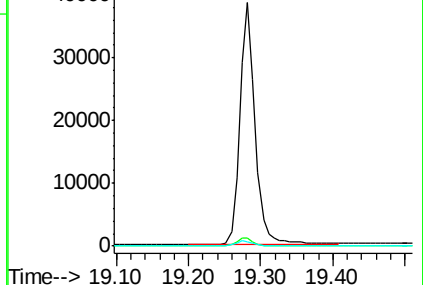
104 2.0 1.6 2.4

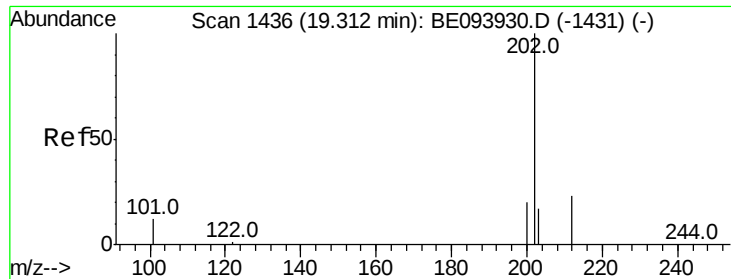


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

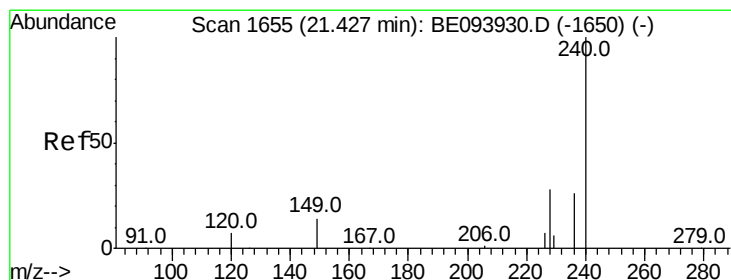
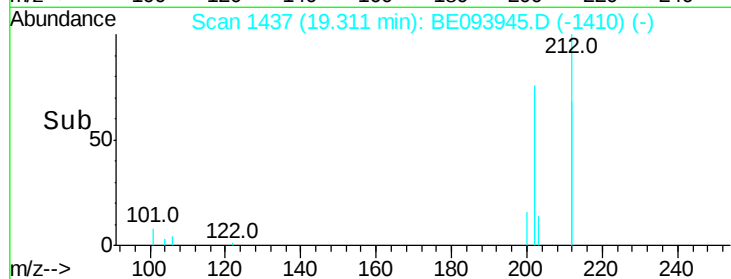
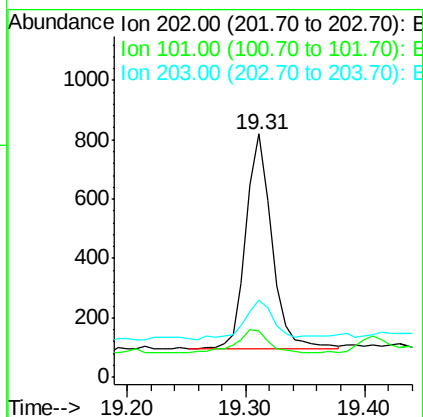
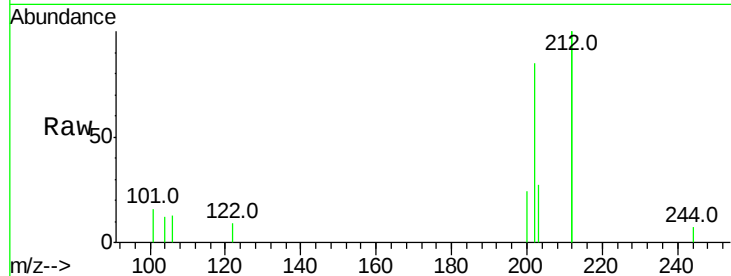




#26
 Fluoranthene
 Concen: 0.021 ng
 RT: 19.31 min Scan# 1437
 Delta R.T. -0.00 min
 Lab File: BE093945.D
 Acq: 5 Sep 2017 20:14

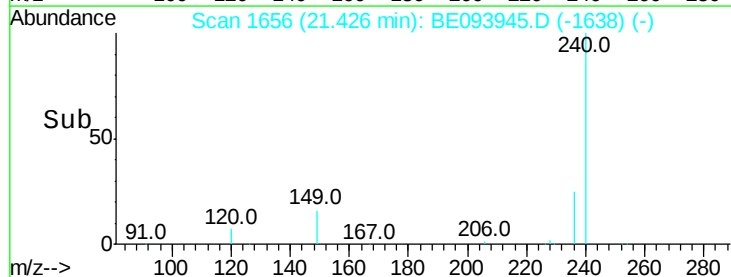
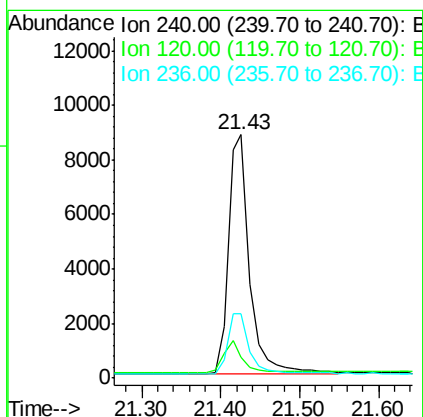
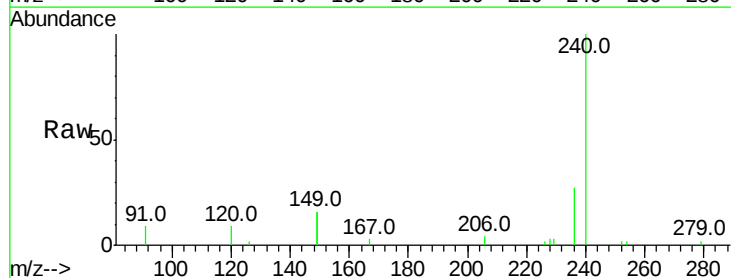
Instrument :
 BNA_E
 ClientSampleId :
 MWHR3-8

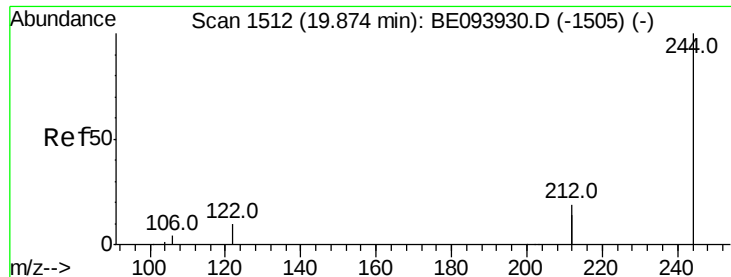
Tot Ion:202 Resp: 1098
 Ion Ratio Lower Upper
 202 100
 101 13.9 9.7 14.5
 203 20.2 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BE093945.D
 Acq: 5 Sep 2017 20:14

Tgt Ion:240 Resp: 16724
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.7 13.1
 236 26.6 21.3 31.9





#29

Terphenyl-d14

Concen: 0.511 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

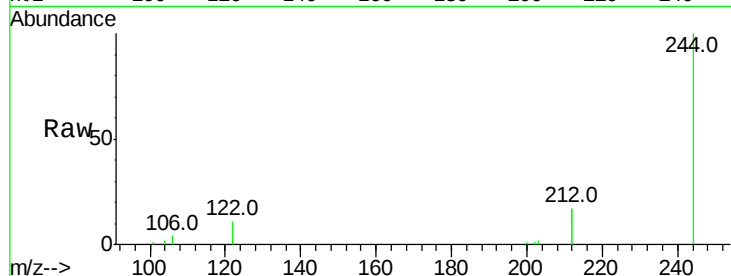
Tot Ion:244 Resp: 15710

Ion Ratio Lower Upper

244 100

212 34.1 28.3 42.5

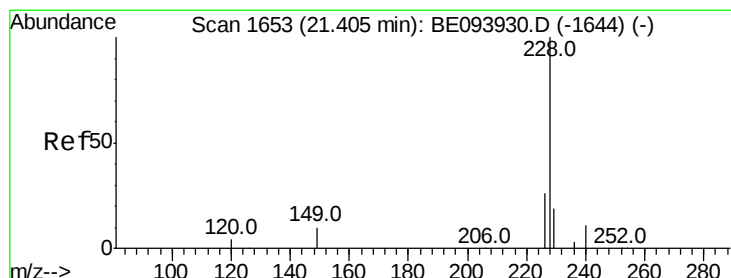
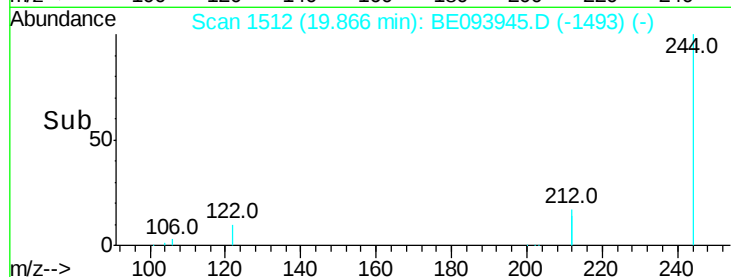
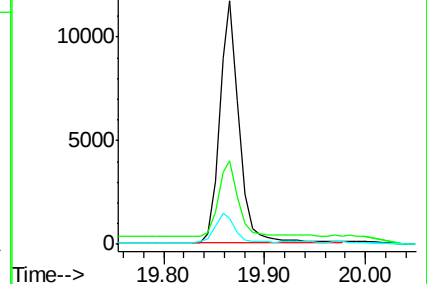
122 10.8 9.4 14.0



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: 0.023 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

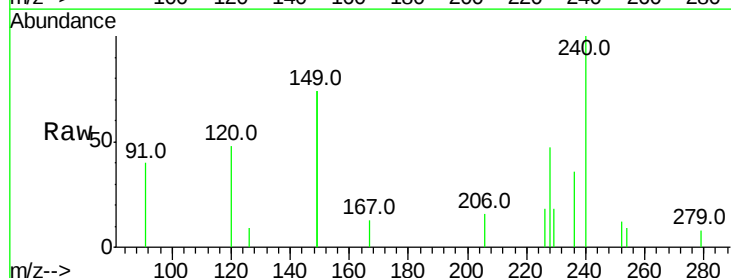
Tgt Ion:228 Resp: 1171

Ion Ratio Lower Upper

228 100

226 38.9 20.8 31.2#

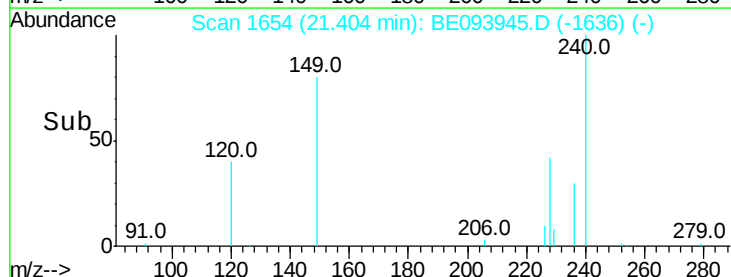
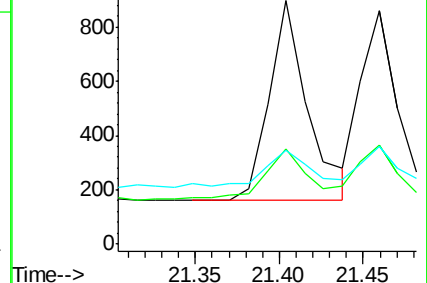
229 38.8 16.6 25.0#

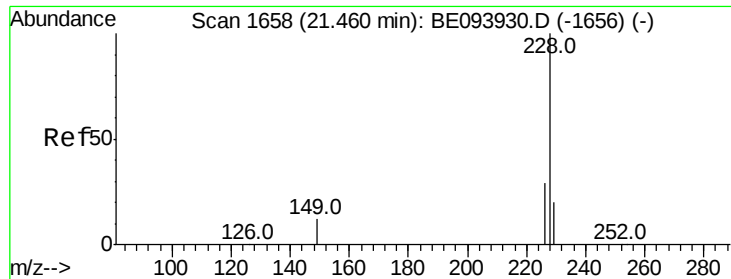


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.021 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

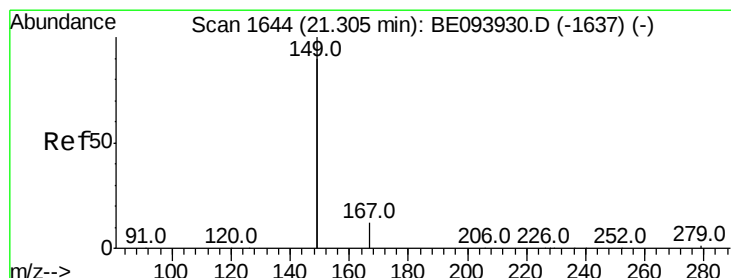
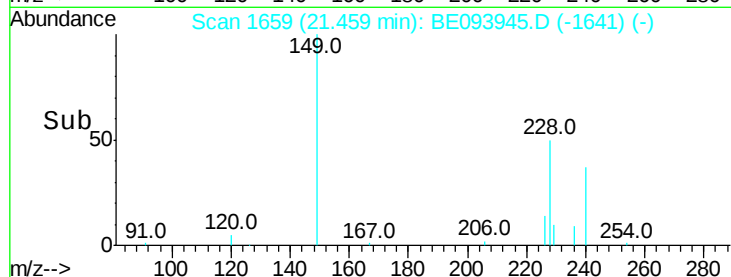
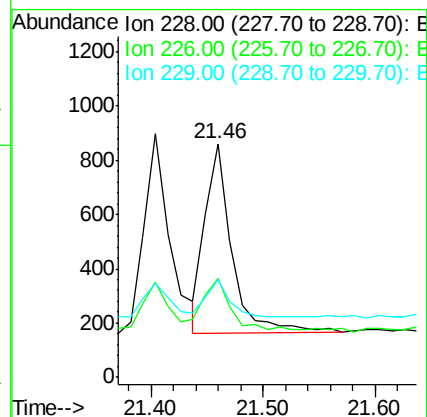
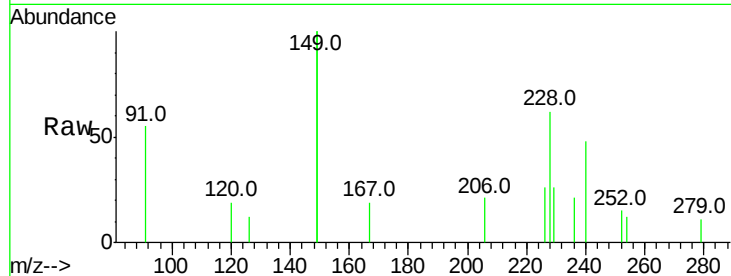
Tot Ion:228 Resp: 1152

Ion Ratio Lower Upper

228 100

226 42.6 24.6 37.0#

229 42.1 15.8 23.8#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.094 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

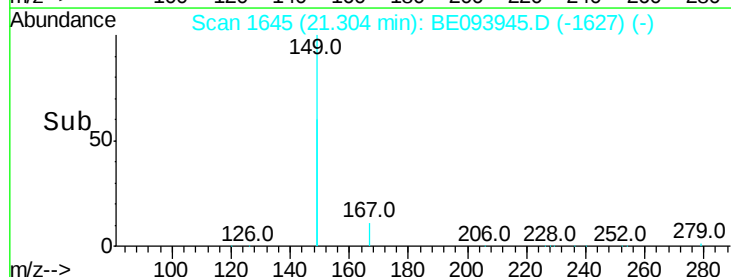
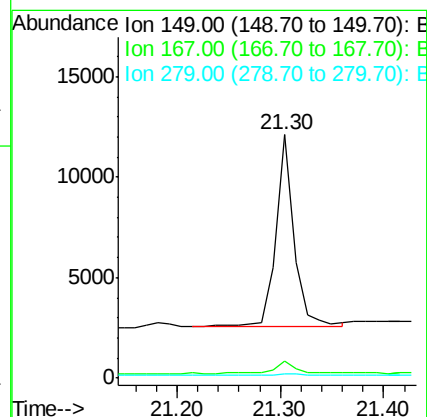
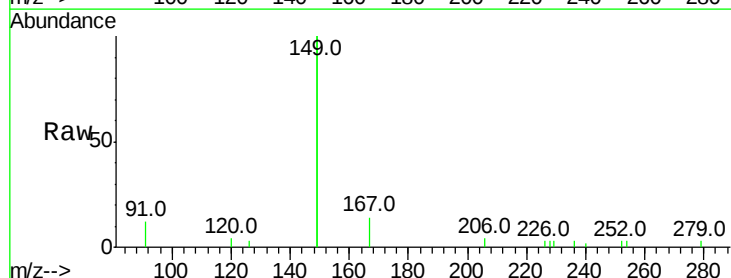
Tgt Ion:149 Resp: 11702

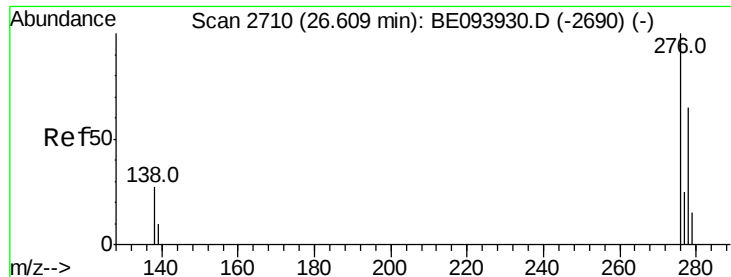
Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

279 1.2 0.7 1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 26.60 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

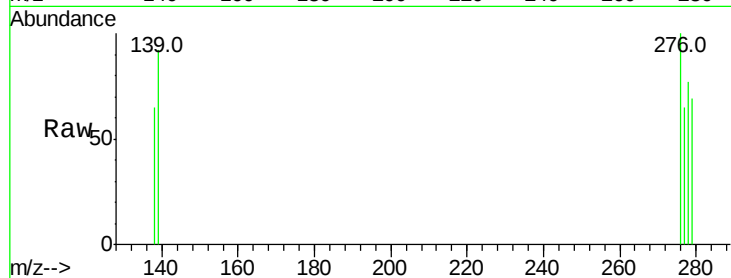
Tot Ion:276 Resp: 784

Ion Ratio Lower Upper

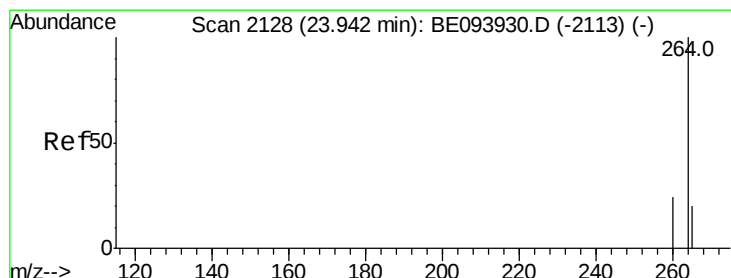
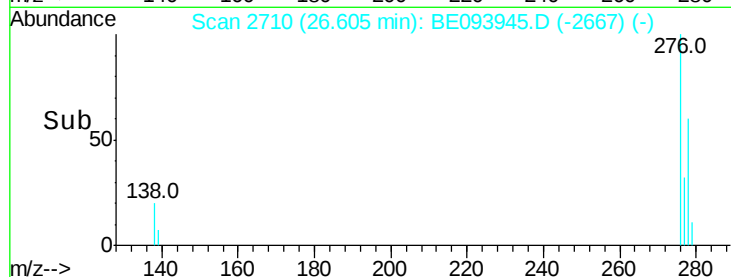
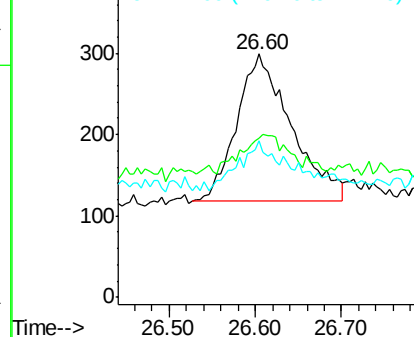
276 100

138 25.6 22.2 33.2

277 21.3 19.5 29.3



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: 23.94 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

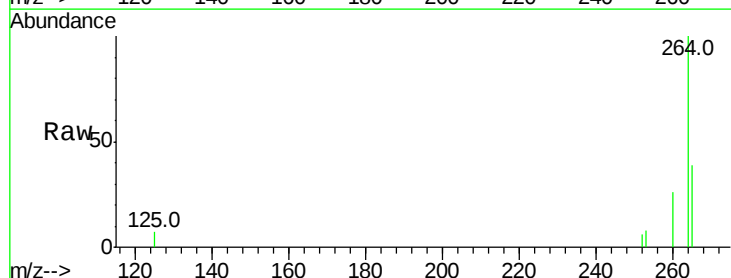
Tgt Ion:264 Resp: 14055

Ion Ratio Lower Upper

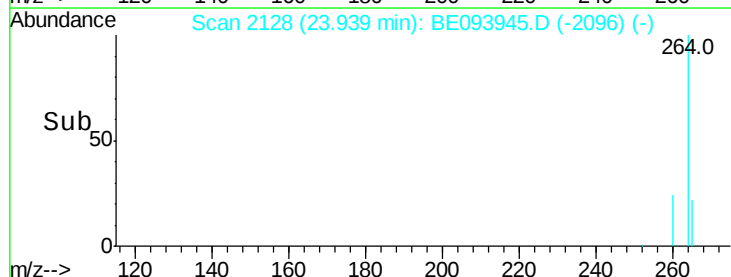
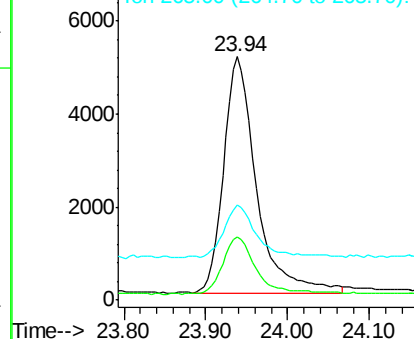
264 100

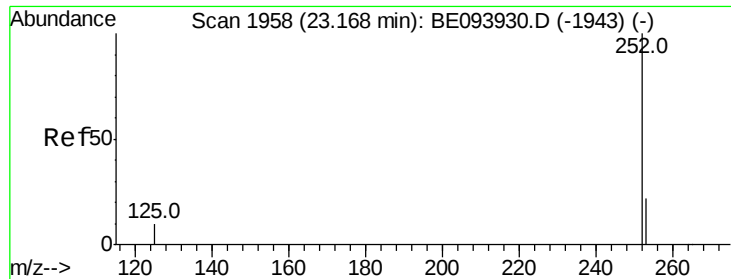
260 25.7 20.0 30.0

265 39.2 24.0 36.0#



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: 0.021 ng

RT: 23.17 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

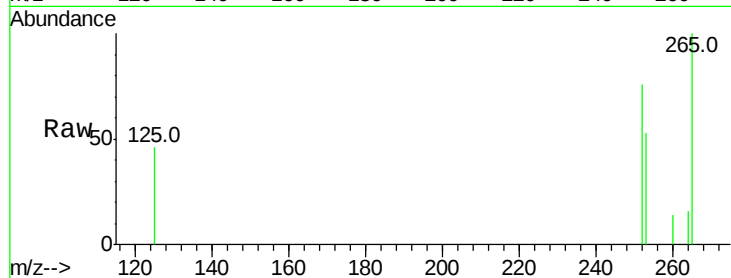
Tot Ion:252 Resp: 936

Ion Ratio Lower Upper

252 100

253 69.1 19.4 29.0#

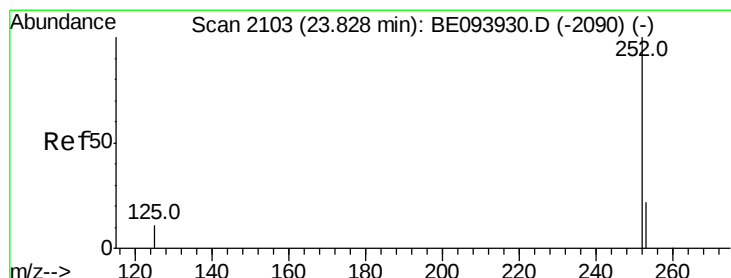
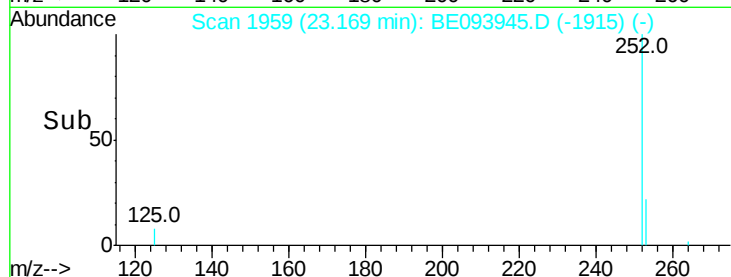
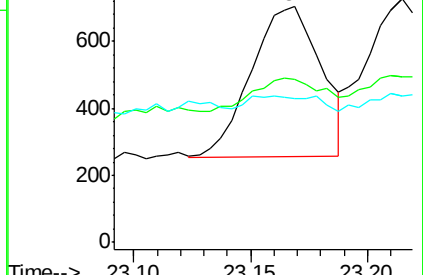
125 60.6 10.0 15.0#



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: 0.020 ng

RT: 23.82 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

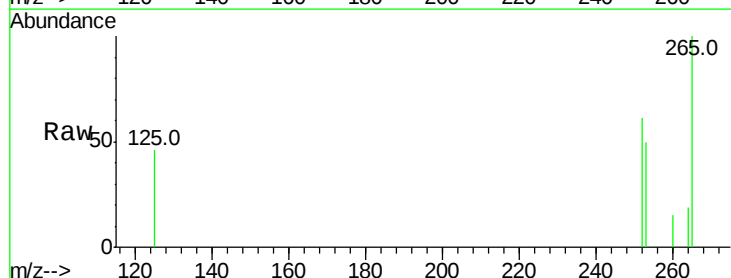
Tgt Ion:252 Resp: 932

Ion Ratio Lower Upper

252 100

253 83.2 19.6 29.4#

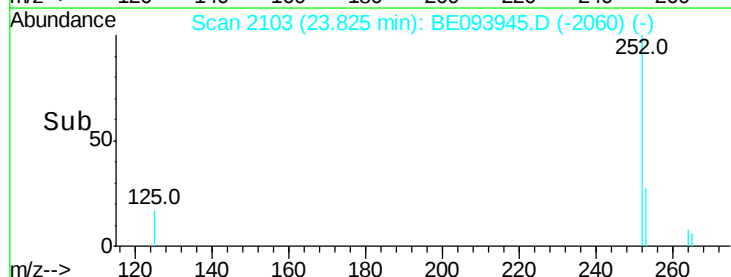
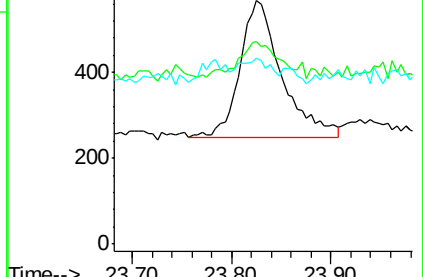
125 76.5 11.8 17.8#

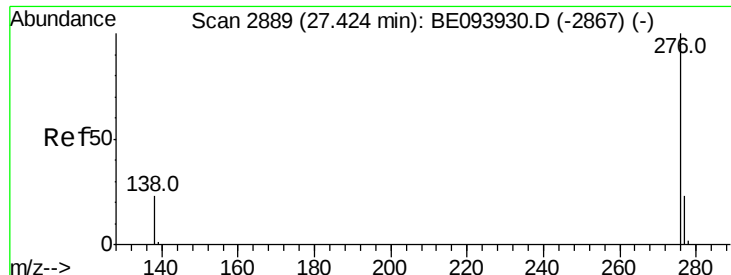


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.022 ng

RT: 27.41 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BE093945.D

Acq: 5 Sep 2017 20:14

Instrument :

BNA_E

ClientSampleId :

MWHR3-8

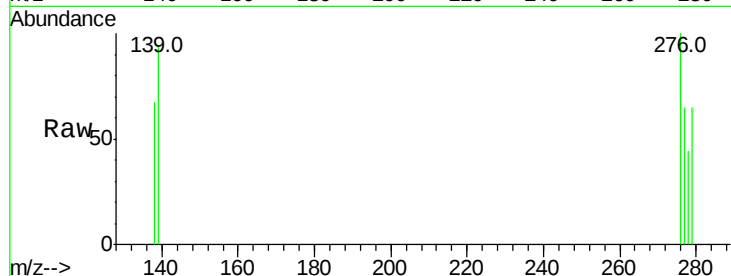
Tot Ion:276 Resp: 713

Ion Ratio Lower Upper

276 100

277 65.5 20.6 30.8#

138 67.3 21.9 32.9#



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

