

Data File : BE093397.D
Acq On : 1 Jul 2017 17:56
Operator : SJ/JU
Sample : I3984-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MH-117N-20170627MSD

Quant Time: Jul 03 05:11:47 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 01 15:43:24 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	3379	0.40	ng	-0.01
7) Naphthalene-d8	10.74	136	15053	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	7645	0.40	ng	-0.02
19) Phenanthrene-d10	17.27	188	23325	0.40	ng	0.00
27) Chrysene-d12	21.43	240	33146	0.40	ng	-0.01
34) Perylene-d12	23.94	264	33021	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2435	0.23	ng	0.00
5) Phenol-d6	7.10	99	2205	0.14	ng	0.00
8) Nitrobenzene-d5	9.08	82	4231	0.47	ng	-0.02
11) 2-Methylnaphthalene-d10	12.31	152	8232	0.34	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.18	172	25314	0.85	ng	0.00
25) Fluoranthene-d10	19.29	212	98088	0.46	ng	0.00
29) Terphenyl-d14	19.88	244	24494	0.40	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	1453	0.21	ng	# 71
3) n-Nitrosodimethylamine	3.76	42	832	0.28	ng	# 85
6) bis(2-Chloroethyl)ether	7.36	93	4771	0.43	ng	# 99
9) Naphthalene	10.77	128	67547	0.43	ng	# 73
10) Hexachlorobutadiene	11.08	225	2590	0.41	ng	99
12) 2-Methylnaphthalene	12.38	142	11130	0.42	ng	98
16) Acenaphthylene	14.26	152	14330	0.43	ng	# 88
17) Acenaphthene	14.60	154	10729	0.46	ng	95
18) Fluorene	15.59	166	14009	0.44	ng	# 85
20) 4-Bromophenyl-phenylether	16.45	248	4827	0.82	ng	# 41
21) Hexachlorobenzene	16.58	284	5879	0.66	ng	# 100
22) Pentachlorophenol	16.91	266	1764	1.52	ng	# 74
23) Phenanthrene	17.30	178	34889	0.62	ng	99
24) Anthracene	17.40	178	23832	0.42	ng	94
26) Fluoranthene	19.32	202	31624	0.52	ng	99
28) Pyrene	19.68	202	32787	0.37	ng	# 98
30) Benzo(a)anthracene	21.40	228	40014	0.44	ng	# 92
31) Chrysene	21.46	228	39241	0.42	ng	93
32) Bis(2-ethylhexyl)phthalate	21.34	149	91255	0.68	ng	# 67
33) Indeno(1,2,3-cd)pyrene	26.59	276	48511	0.53	ng	# 89
35) Benzo(b)fluoranthene	23.17	252	44702	0.43	ng	# 94
36) Benzo(k)fluoranthene	23.22	252	44622	0.43	ng	# 94
37) Benzo(a)pyrene	23.83	252	40309	0.44	ng	# 93
38) Dibenzo(a,h)anthracene	26.61	278	40891	0.44	ng	# 87
39) Benzo(g,h,i)perylene	27.40	276	41247	0.43	ng	# 88

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

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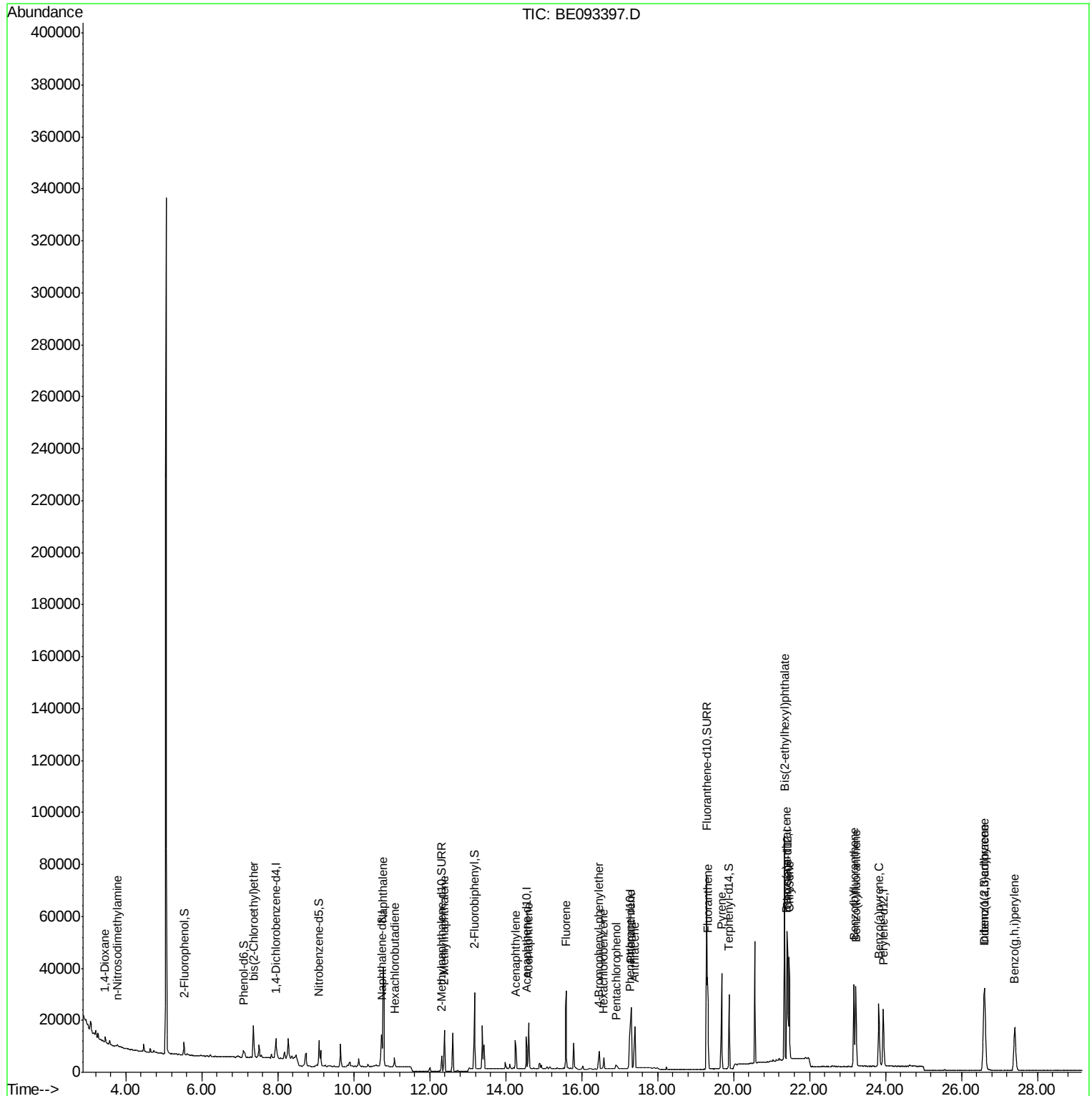
Quant Time: Jul 03 05:11:47 2017

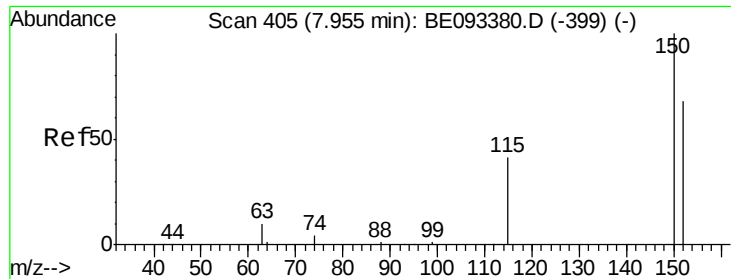
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070117.M

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.94 min Scan# 404

Delta R.T. -0.01 min

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ClientSampleId :

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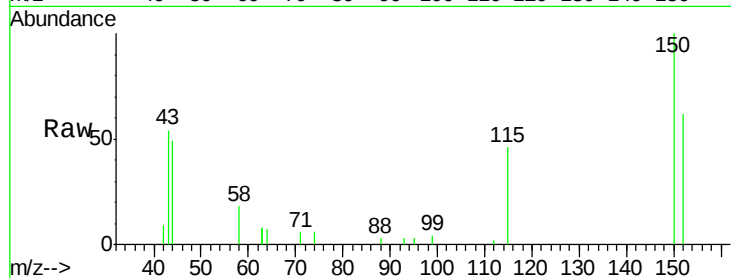
Tgt Ion:152 Resp: 3379

Ion Ratio Lower Upper

152 100

150 161.5 125.1 187.7

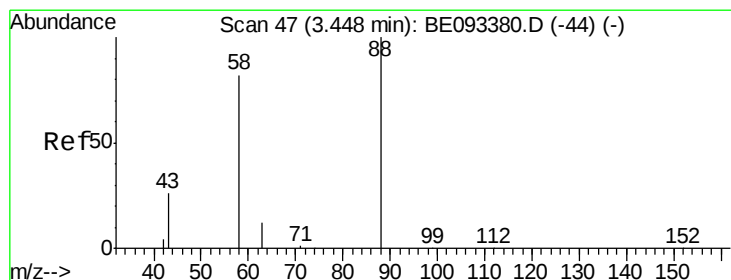
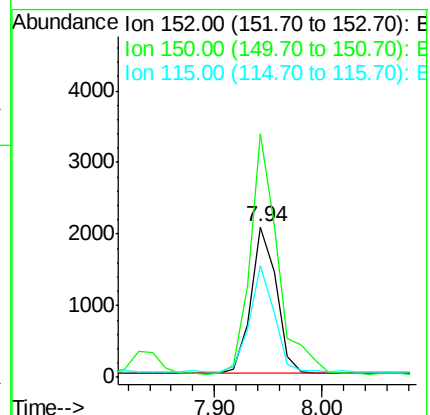
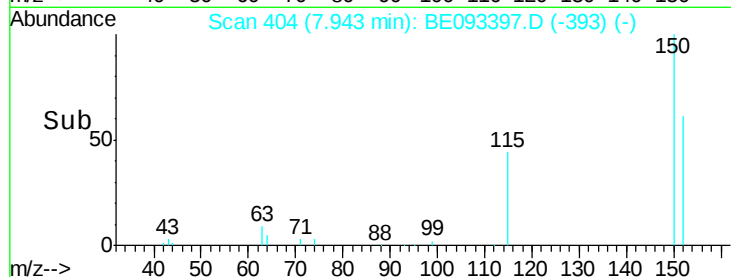
115 74.0 55.7 83.5



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



#2

1,4-Dioxane

Concen: 0.21 ng

RT: 3.45 min Scan# 47

Delta R.T. 0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

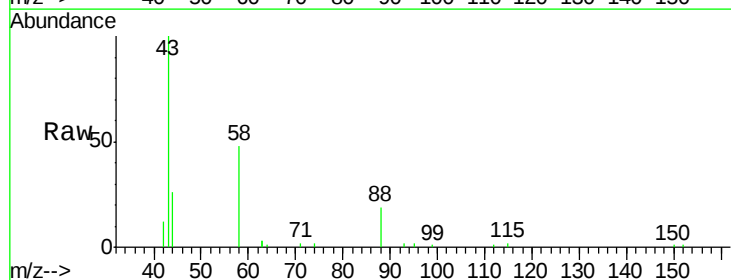
Tgt Ion: 88 Resp: 1453

Ion Ratio Lower Upper

88 100

58 94.5 62.2 93.4#

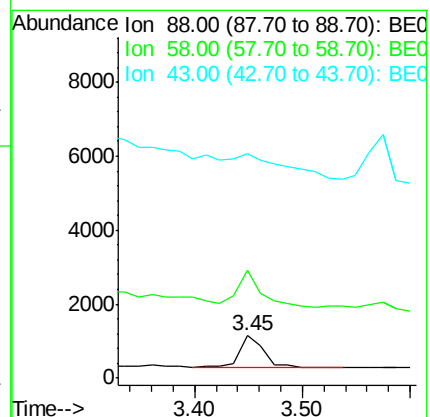
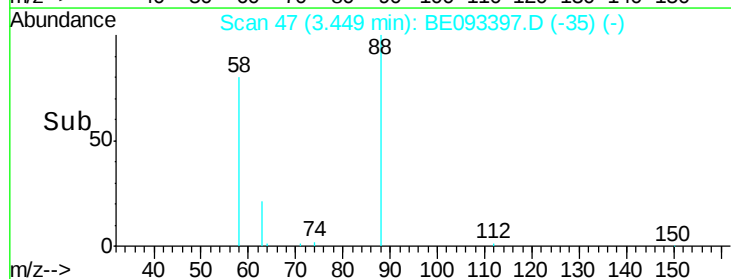
43 0.0 23.2 34.8#

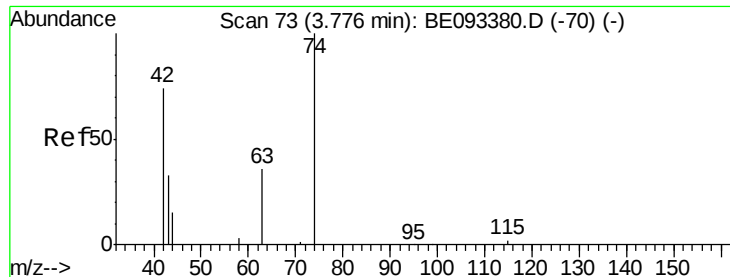


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.28 ng

RT: 3.76 min Scan# 72

Delta R.T. -0.01 min

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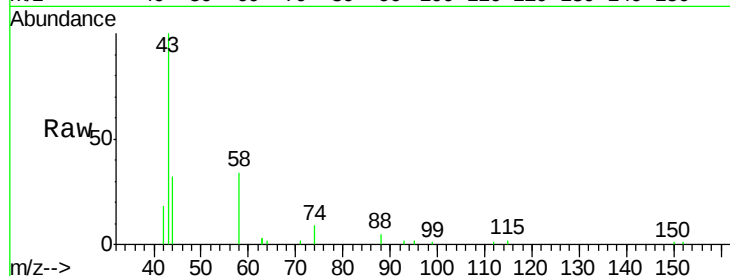
Tgt Ion: 42 Resp: 832

Ion Ratio Lower Upper

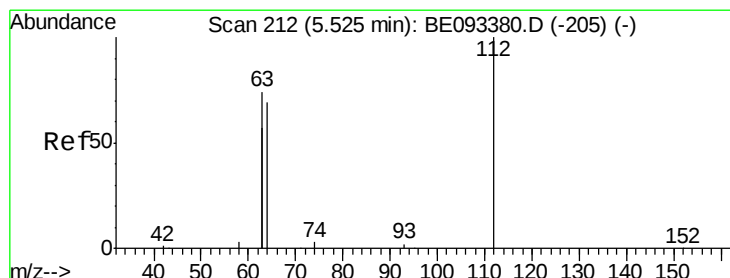
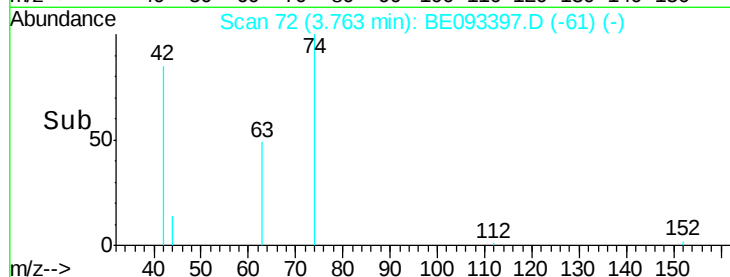
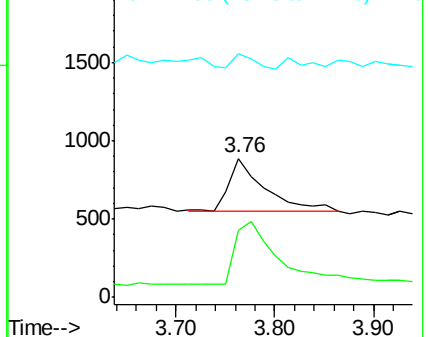
42 100

74 140.1 99.1 148.7

44 15.7 7.4 11.2#



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: 0.23 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

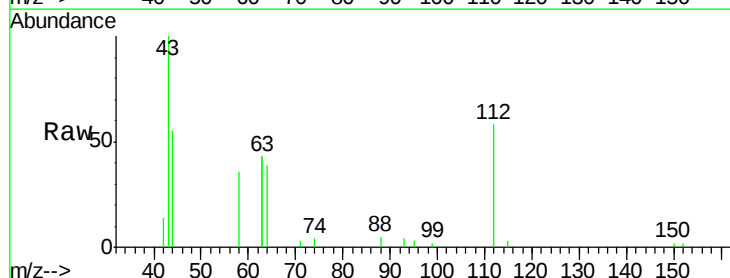
Tgt Ion: 112 Resp: 2435

Ion Ratio Lower Upper

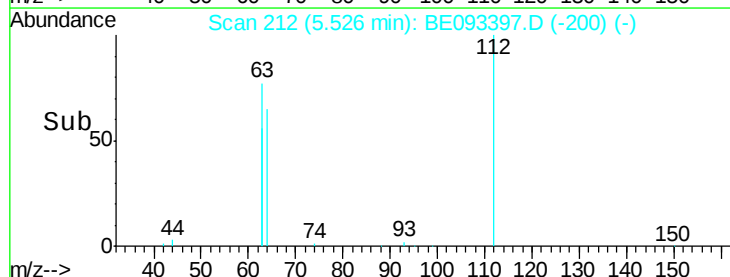
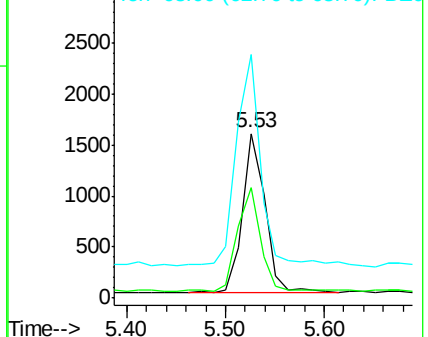
112 100

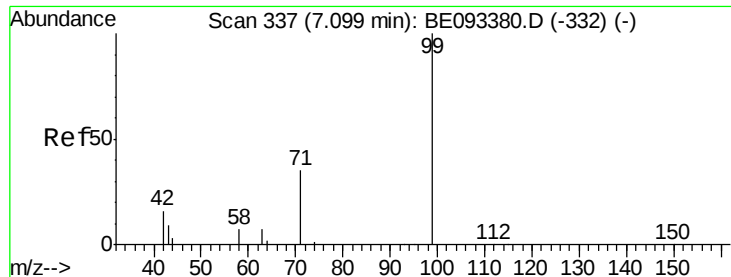
64 66.7 56.4 84.6

63 141.9 29.3 43.9#



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: 0.14 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

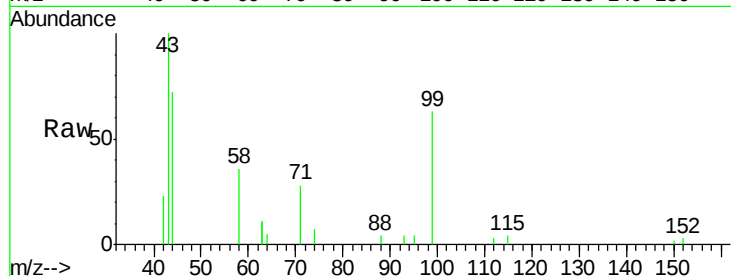
Tgt Ion: 99 Resp: 2205

Ion Ratio Lower Upper

99 100

42 28.3 0.0 0.0#

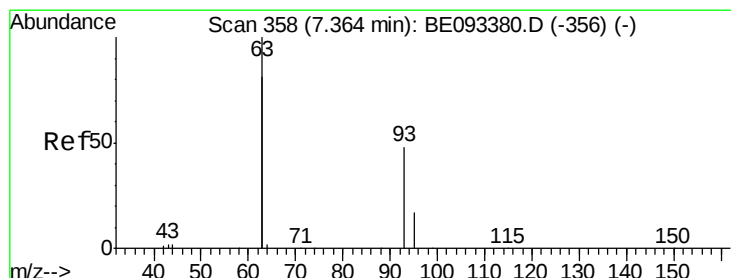
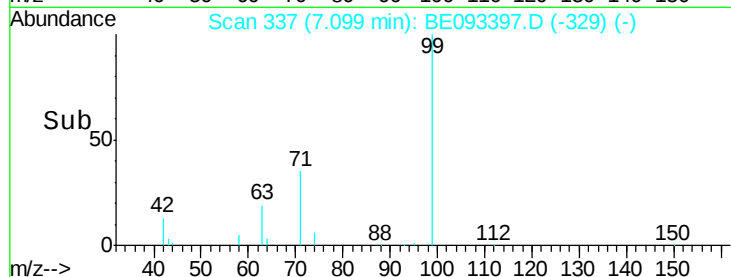
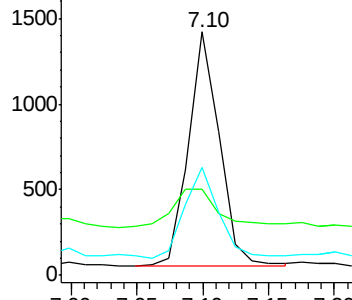
71 42.1 0.0 0.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.43 ng

RT: 7.36 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

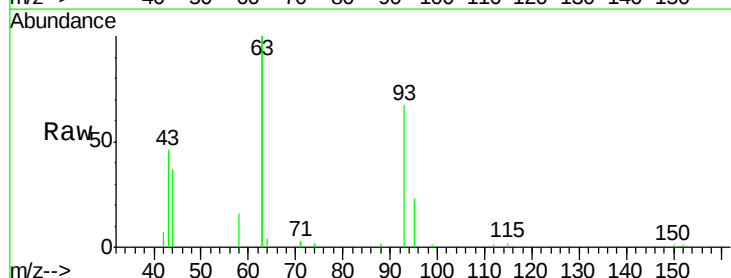
Tgt Ion: 93 Resp: 4771

Ion Ratio Lower Upper

93 100

63 350.9 0.0 0.0#

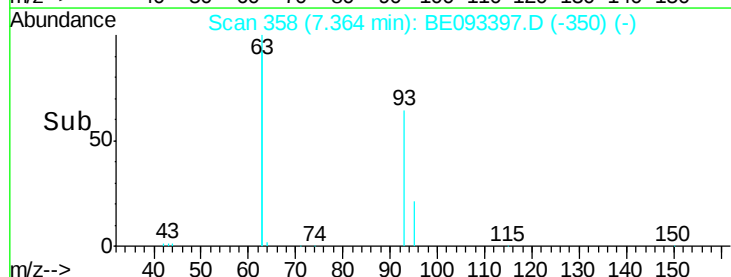
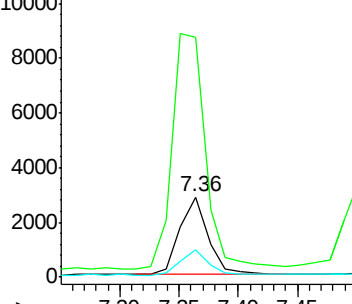
95 31.4 25.4 38.0

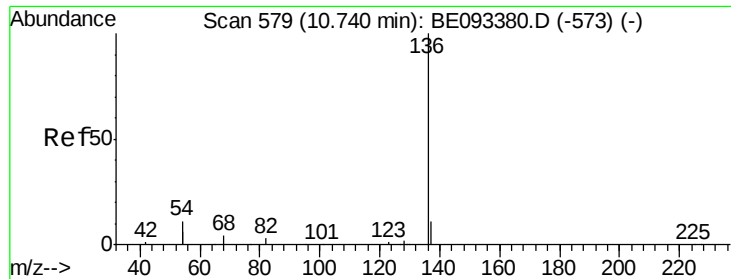


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

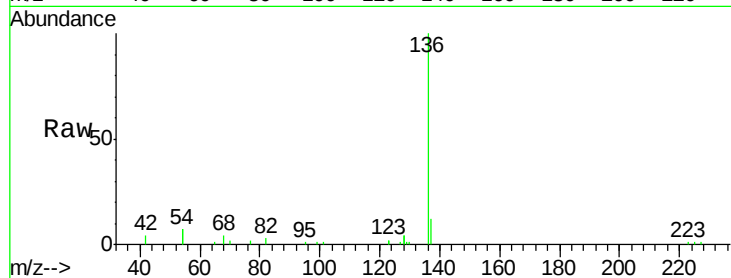
Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:	136	Resp:	15053
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	14.7	10.3	15.5
68	3.6	9.0	13.4#



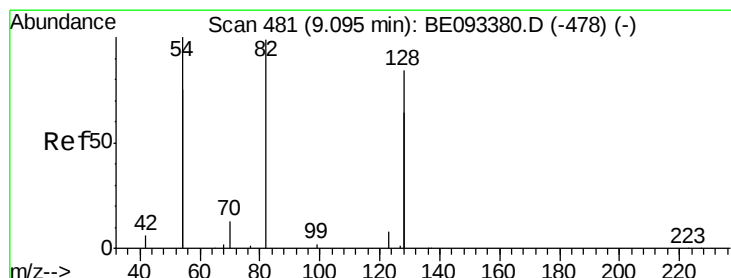
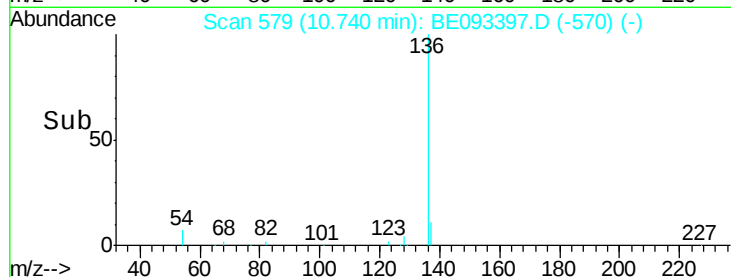
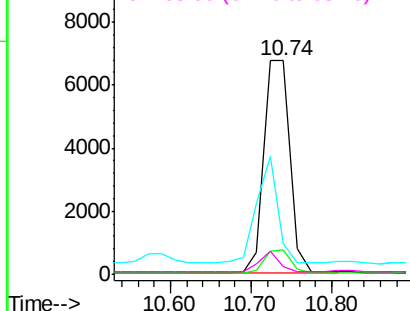
Abundance

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: 0.47 ng

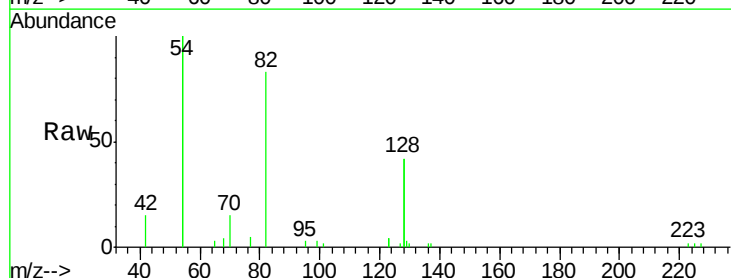
RT: 9.08 min Scan# 480

Delta R.T. -0.02 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Tgt Ion:	82	Resp:	4231
Ion	Ratio	Lower	Upper
82	100		
128	101.1	17.0	25.4#
54	240.6	53.8	80.6#

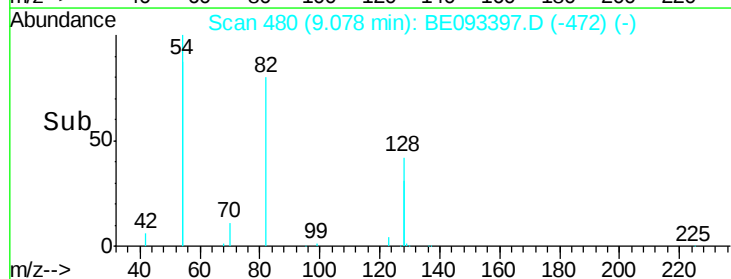
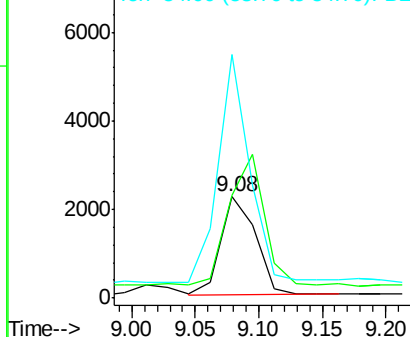


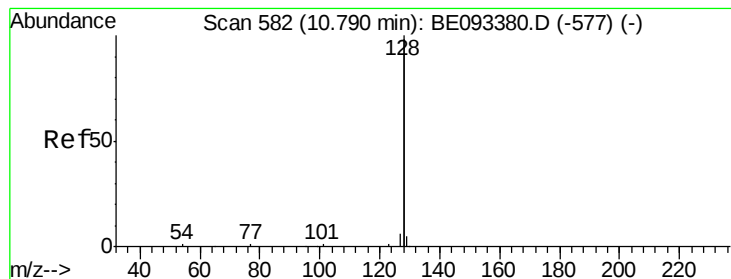
Abundance

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





#9

Naphthalene

Concen: 0.43 ng

RT: 10.77 min Scan# 581

Delta R.T. -0.02 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

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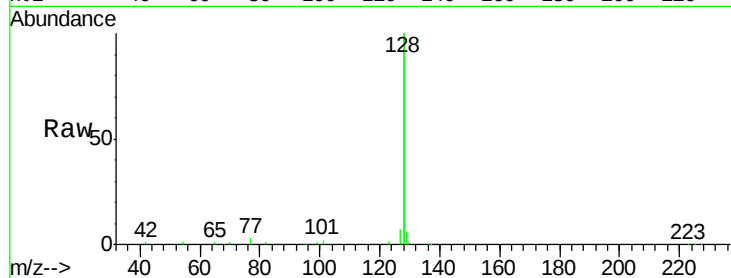
Tgt Ion:128 Resp: 67547

Ion Ratio Lower Upper

128 100

129 2.9 11.4 17.0#

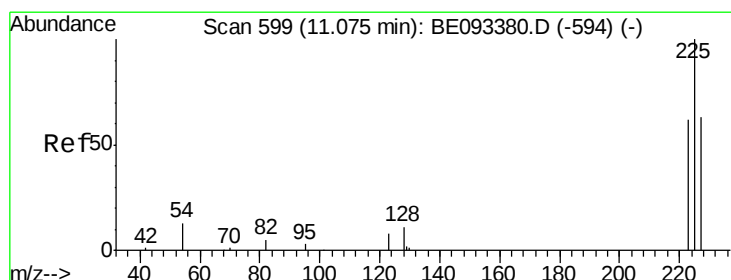
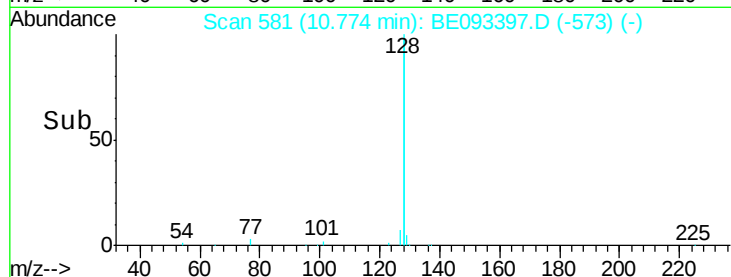
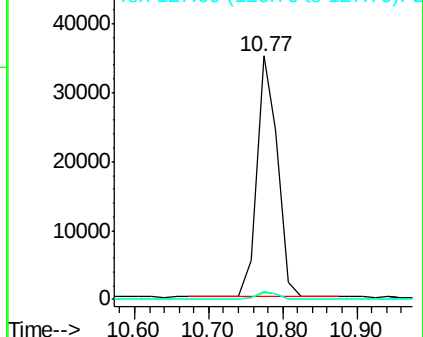
127 3.5 11.2 16.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.41 ng

RT: 11.08 min Scan# 599

Delta R.T. 0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

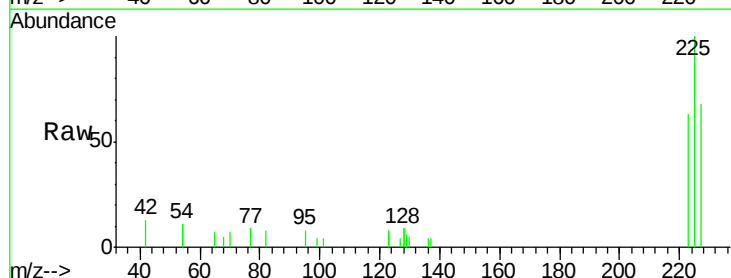
Tgt Ion:225 Resp: 2590

Ion Ratio Lower Upper

225 100

223 62.3 49.7 74.5

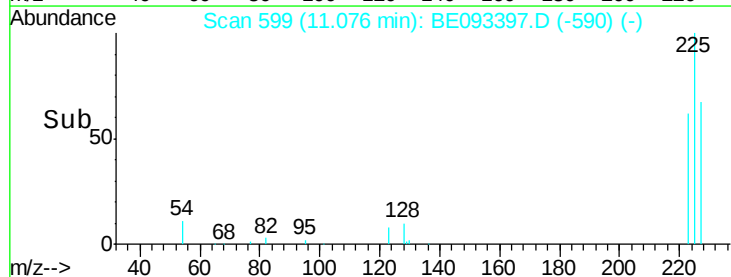
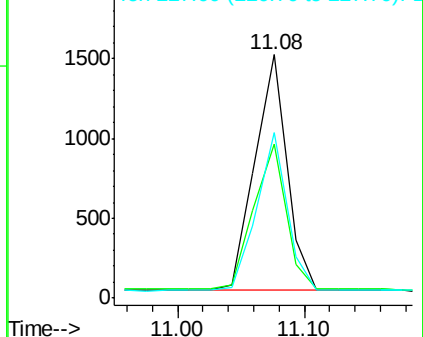
227 64.3 50.3 75.5

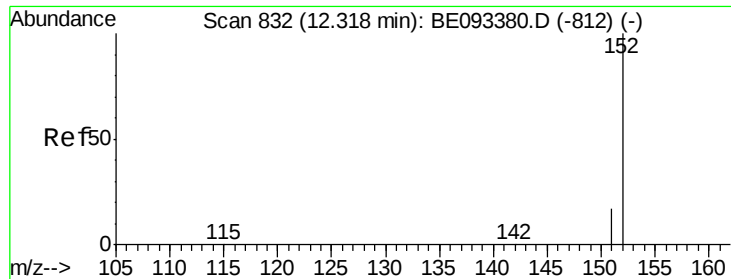


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

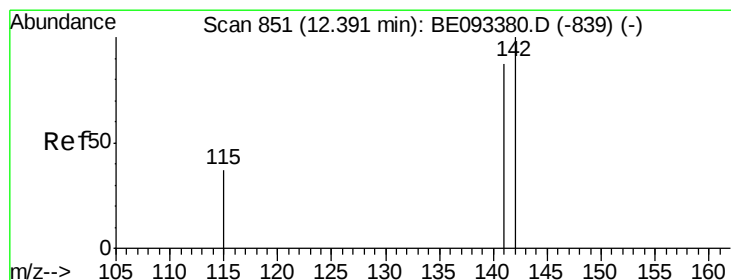
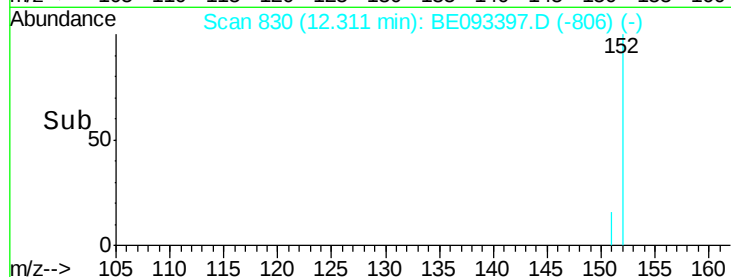
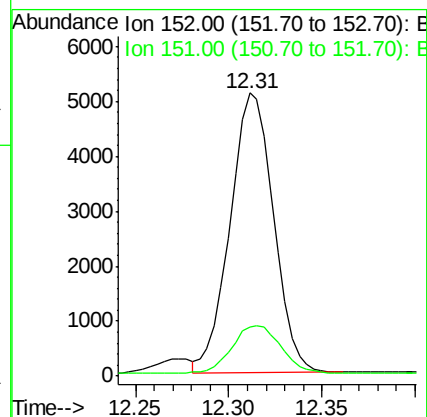
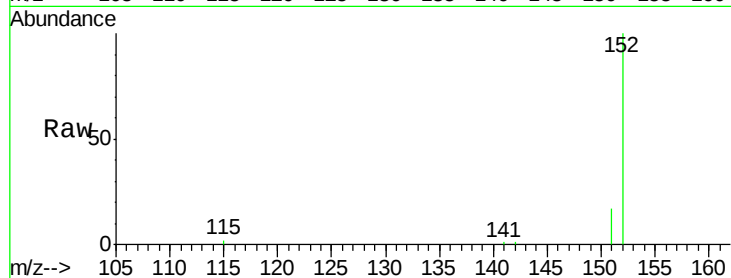




#11
 2-Methylnaphthalene-d10
 Concen: 0.34 ng
 RT: 12.31 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BE093397.D
 Acq: 1 Jul 2017 17:56

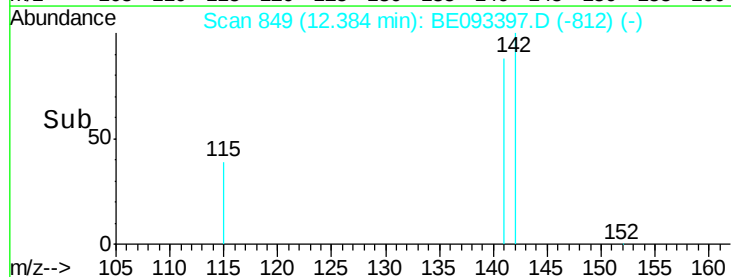
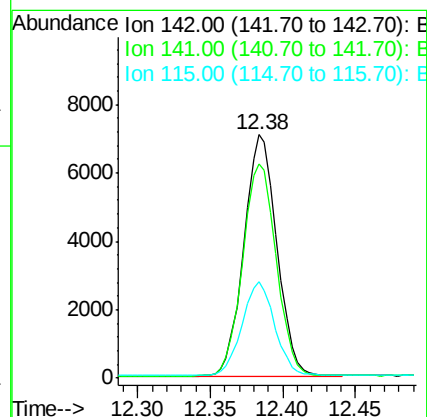
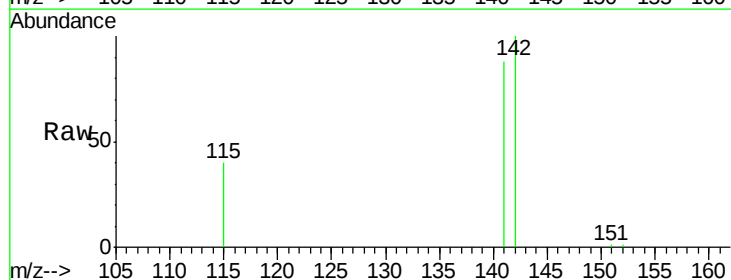
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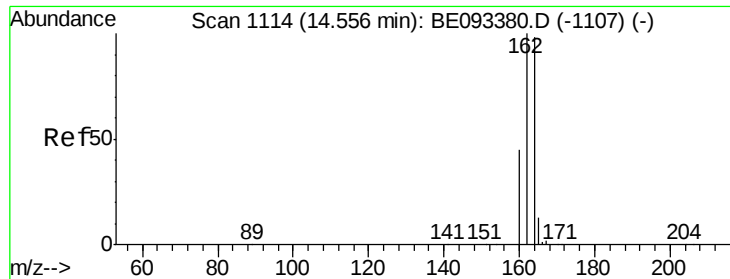
Tgt Ion:152 Resp: 8232
 Ion Ratio Lower Upper
 152 100
 151 18.8 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.42 ng
 RT: 12.38 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: BE093397.D
 Acq: 1 Jul 2017 17:56

Tgt Ion:142 Resp: 11130
 Ion Ratio Lower Upper
 142 100
 141 88.2 72.6 108.8
 115 39.5 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.54 min Scan# 1112

Delta R.T. -0.02 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

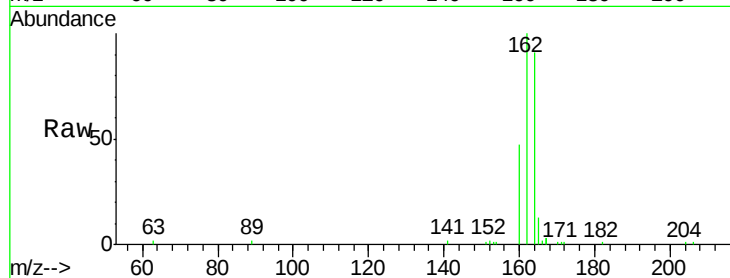
Tgt Ion: 164 Resp: 7645

Ion Ratio Lower Upper

164 100

162 109.3 84.6 127.0

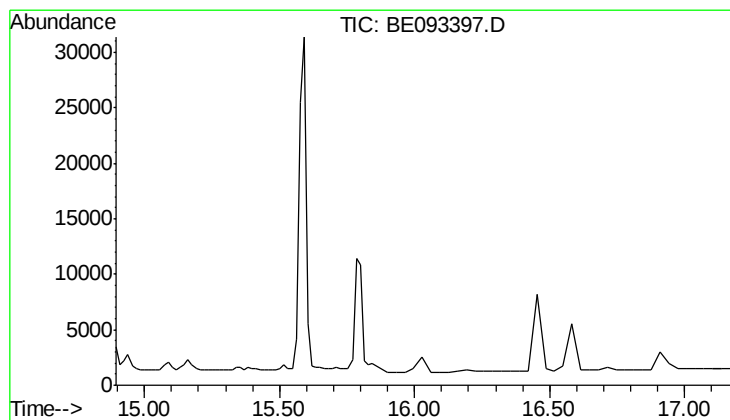
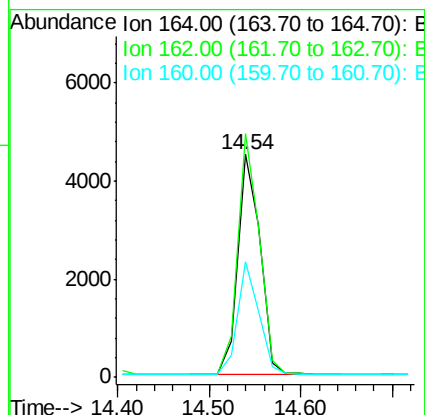
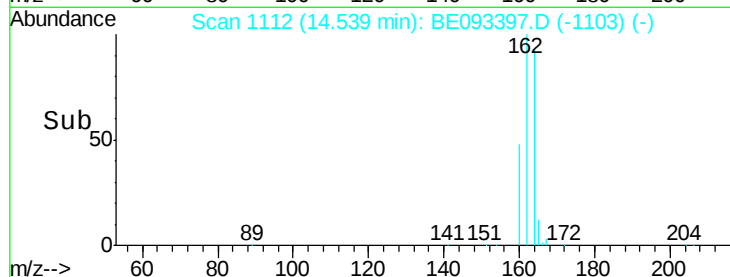
160 51.8 41.8 62.6



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: 0.00 ng

Expected RT: 16.03 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

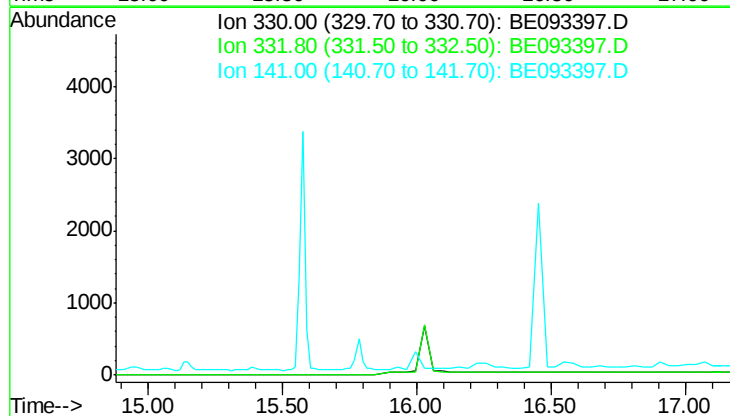
Tgt Ion: 330

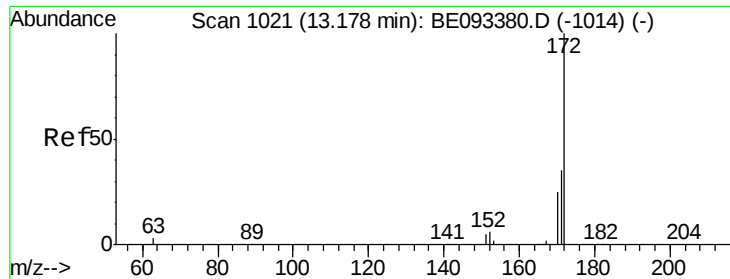
Sig Exp Ratio

330 100

332 97.1

141 70.3

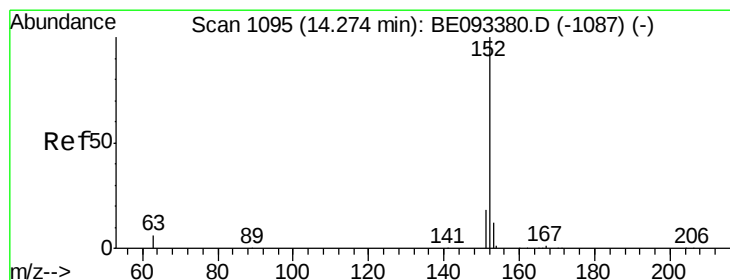
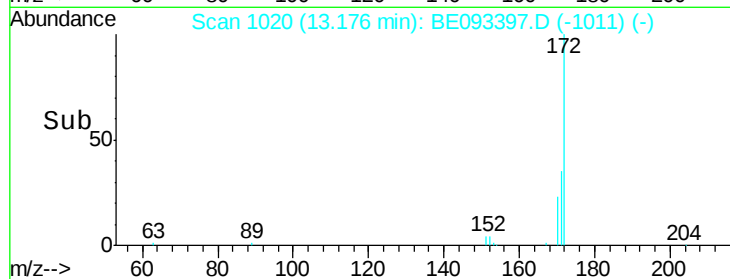
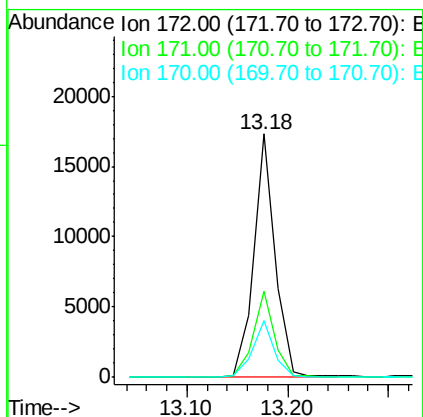
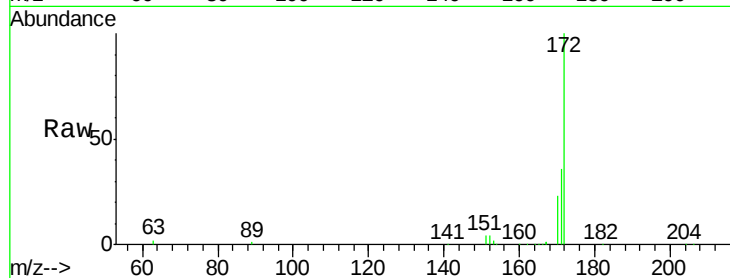




#15
2-Fluorobiphenyl
Concen: 0.85 ng
RT: 13.18 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE093397.D
Acq: 1 Jul 2017 17:56

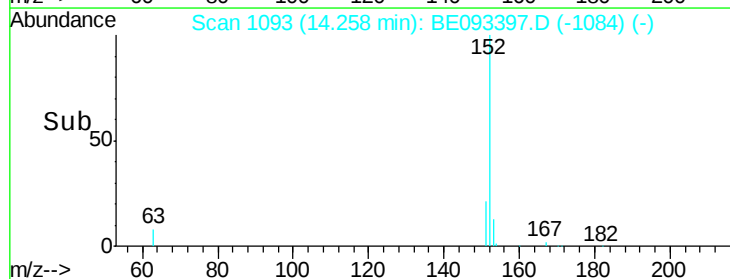
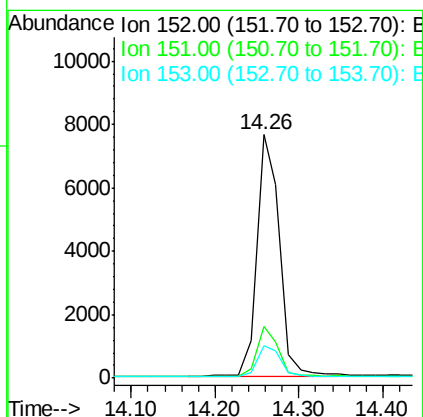
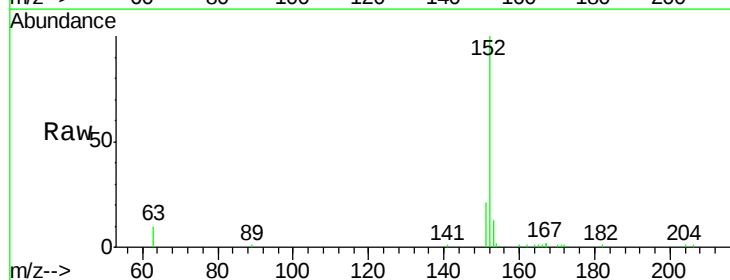
Instrument :
BNA_E
ClientSampleId :
MH-117N-20170627MSD

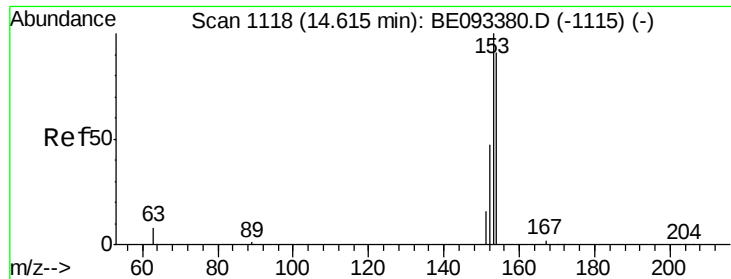
Tgt Ion:172 Resp: 25314
Ion Ratio Lower Upper
172 100
171 35.6 29.8 44.6
170 23.3 20.7 31.1



#16
Acenaphthylene
Concen: 0.43 ng
RT: 14.26 min Scan# 1093
Delta R.T. -0.02 min
Lab File: BE093397.D
Acq: 1 Jul 2017 17:56

Tgt Ion:152 Resp: 14330
Ion Ratio Lower Upper
152 100
151 19.1 4.0 6.0#
153 12.9 10.3 15.5





#17

Acenaphthene

Concen: 0.46 ng

RT: 14.60 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

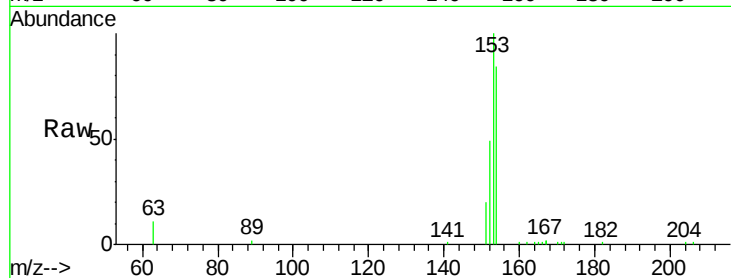
Tgt Ion:154 Resp: 10729

Ion Ratio Lower Upper

154 100

153 108.7 91.2 136.8

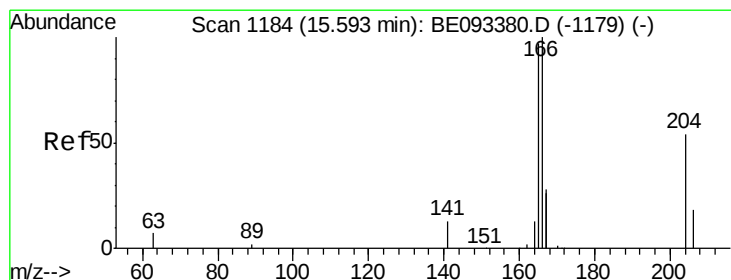
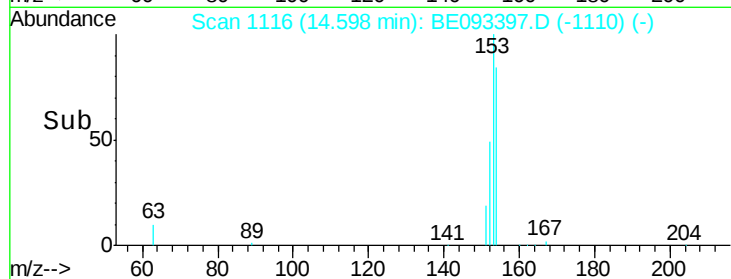
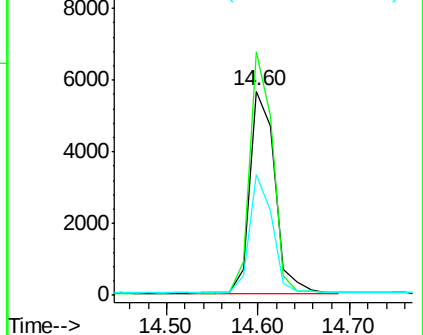
152 52.7 44.8 67.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.44 ng

RT: 15.59 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

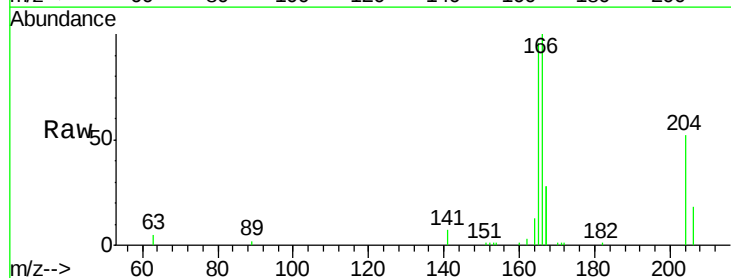
Tgt Ion:166 Resp: 14009

Ion Ratio Lower Upper

166 100

165 100.5 78.6 117.8

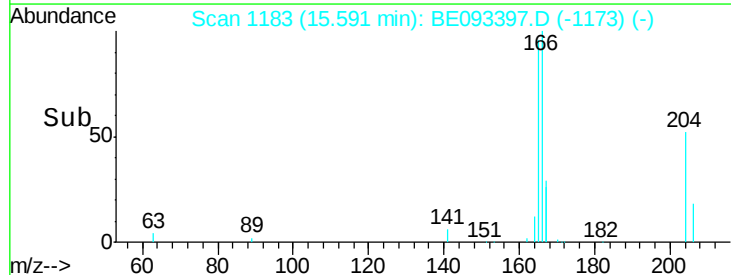
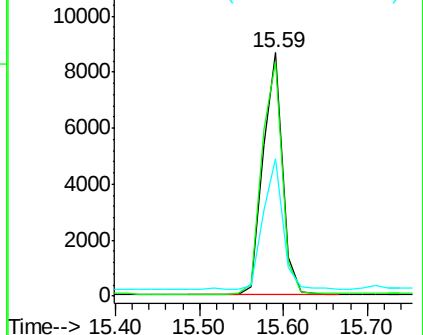
167 55.4 11.1 16.7#

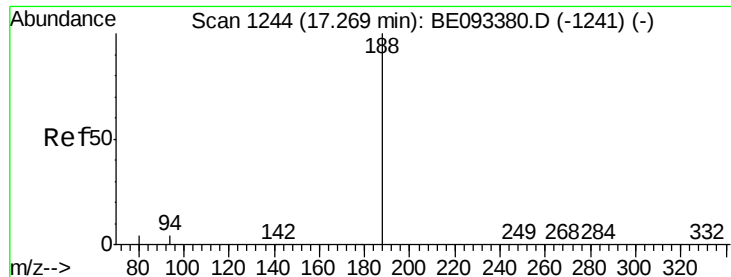


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

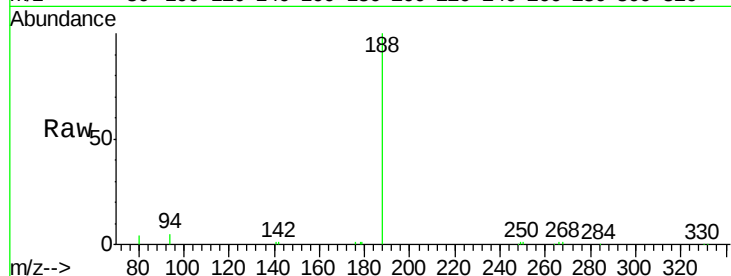
Tgt Ion:188 Resp: 23325

Ion Ratio Lower Upper

188 100

94 5.0 11.3 16.9#

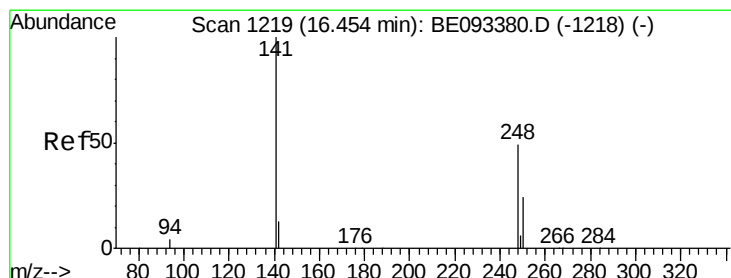
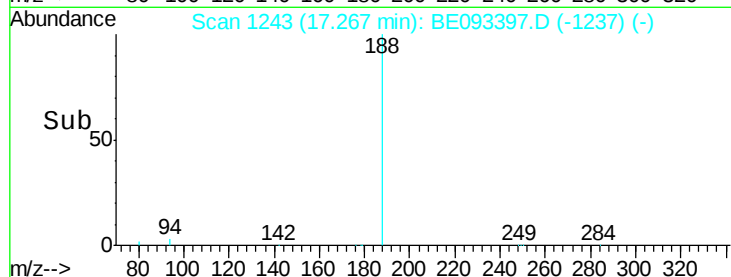
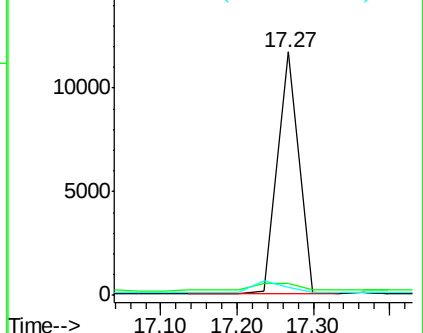
80 3.5 11.7 17.5#



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: 0.82 ng

RT: 16.45 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

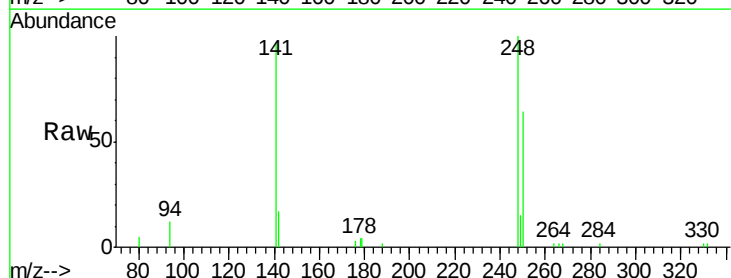
Tgt Ion:248 Resp: 4827

Ion Ratio Lower Upper

248 100

250 64.2 40.8 61.2#

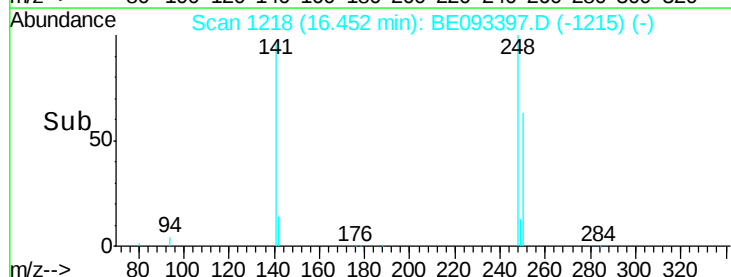
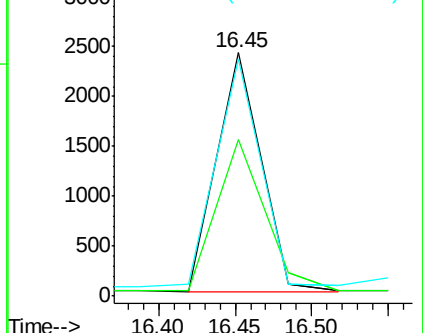
141 97.5 161.6 242.4#

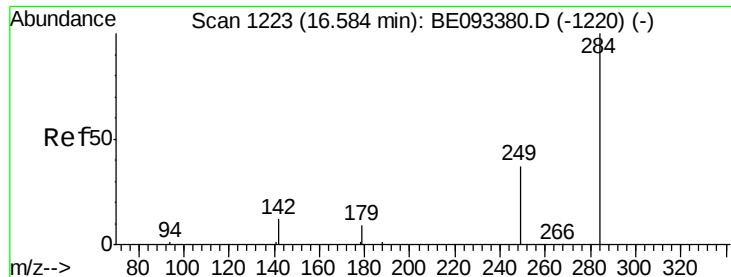


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.66 ng

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

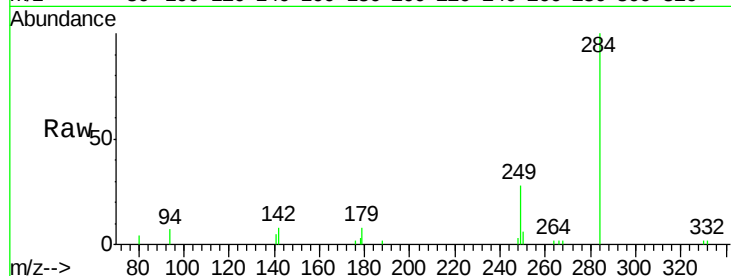
Tgt Ion:284 Resp: 5879

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

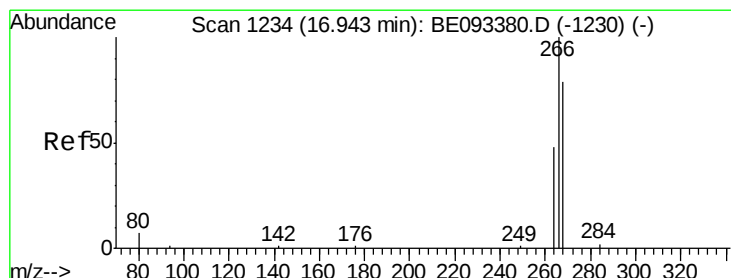
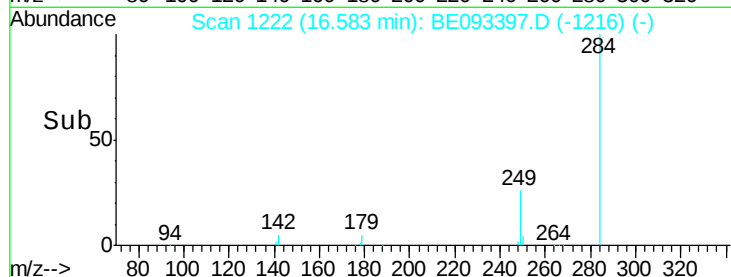
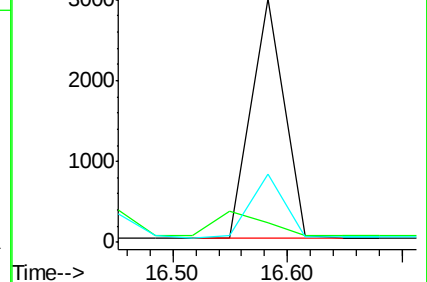
249 27.1 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.52 ng

RT: 16.91 min Scan# 1232

Delta R.T. -0.03 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

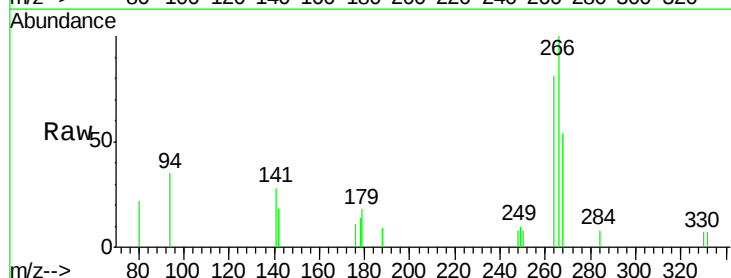
Tgt Ion:266 Resp: 1764

Ion Ratio Lower Upper

266 100

264 80.6 58.2 87.2

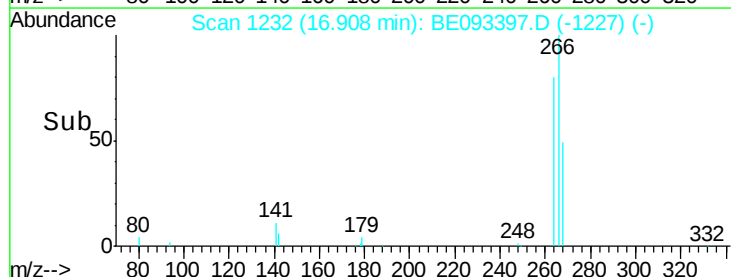
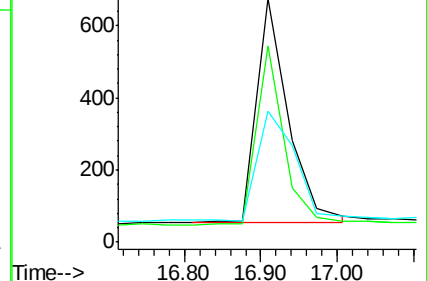
268 53.6 71.9 107.9#

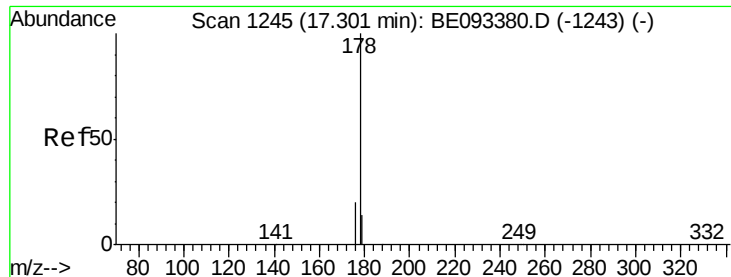


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.62 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

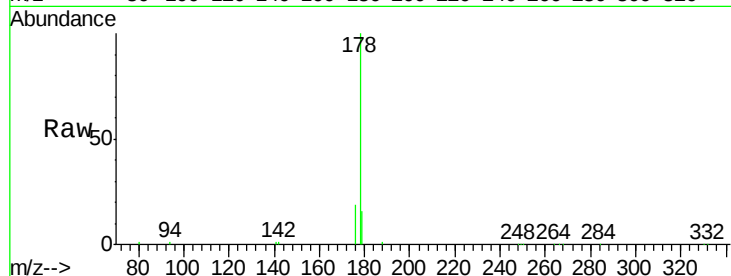
Tgt Ion:178 Resp: 34889

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

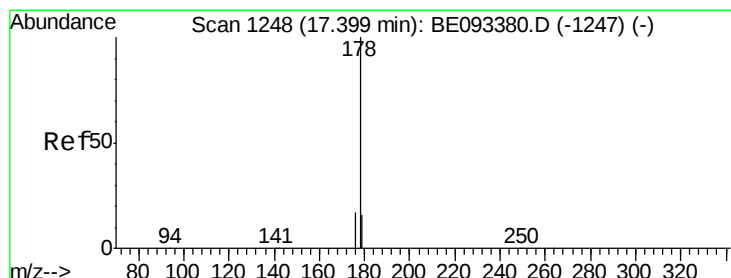
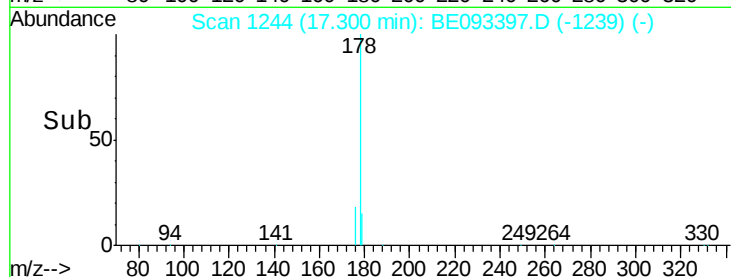
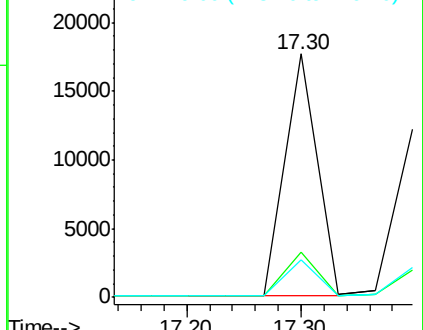
179 15.2 12.7 19.1



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



#24

Anthracene

Concen: 0.42 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

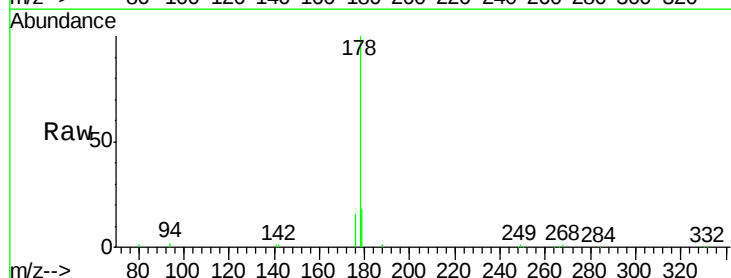
Tgt Ion:178 Resp: 23832

Ion Ratio Lower Upper

178 100

176 15.5 14.6 22.0

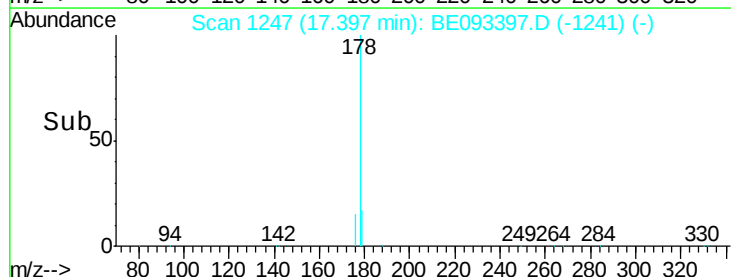
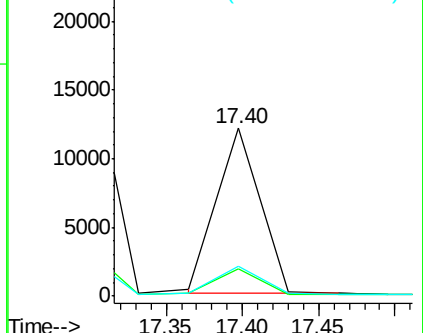
179 16.9 12.0 18.0

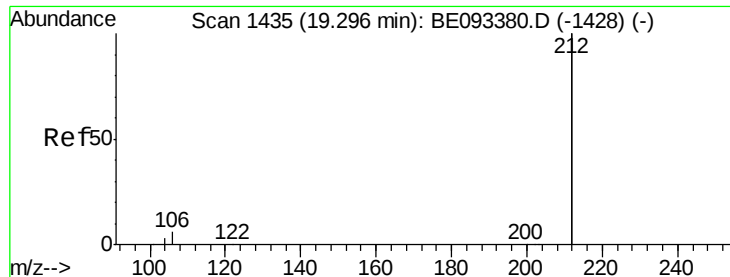


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

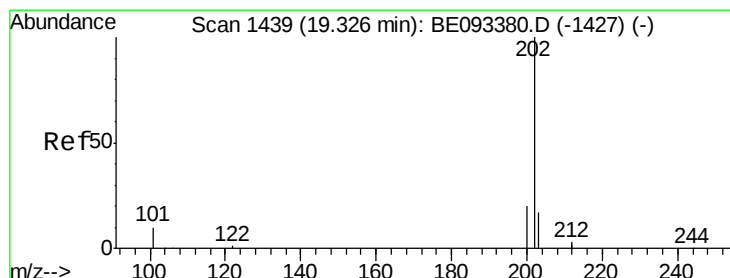
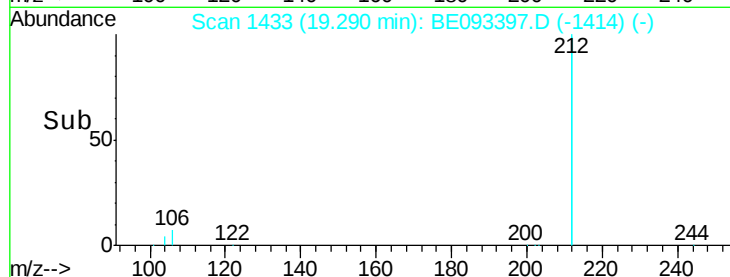
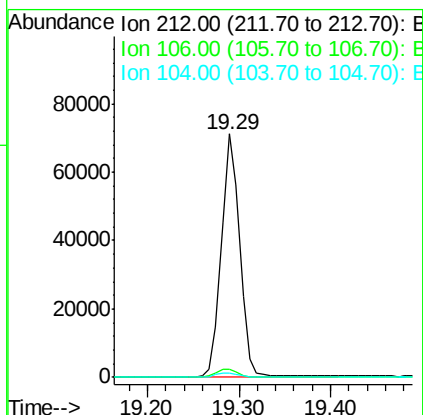
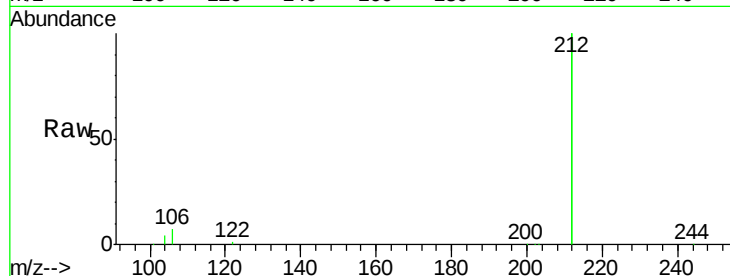




#25
 Fluoranthene-d10
 Concen: 0.46 ng
 RT: 19.29 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BE093397.D
 Acq: 1 Jul 2017 17:56

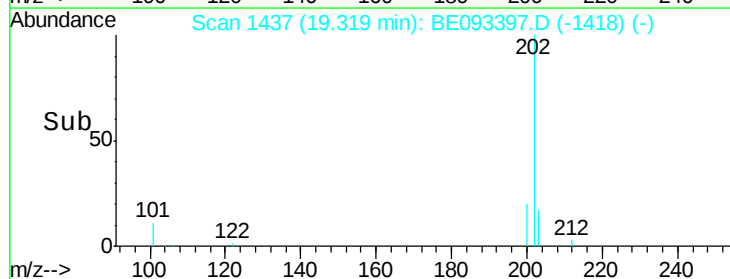
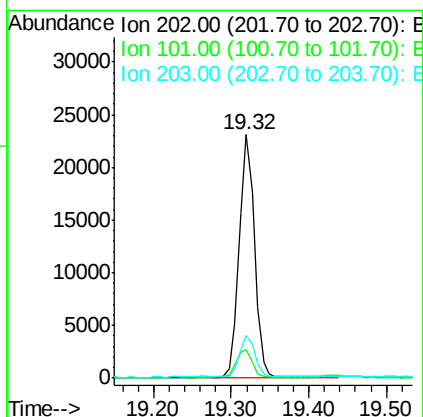
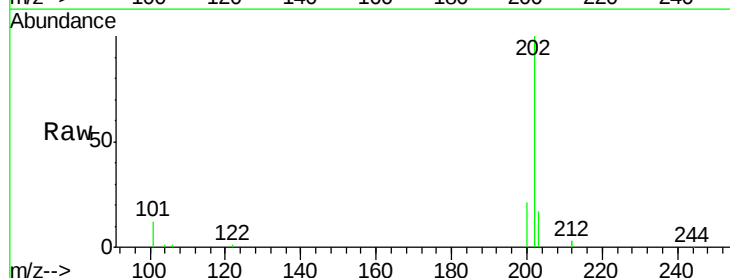
Instrument :
 BNA_E
 ClientSampleId :
 MH-117N-20170627MSD

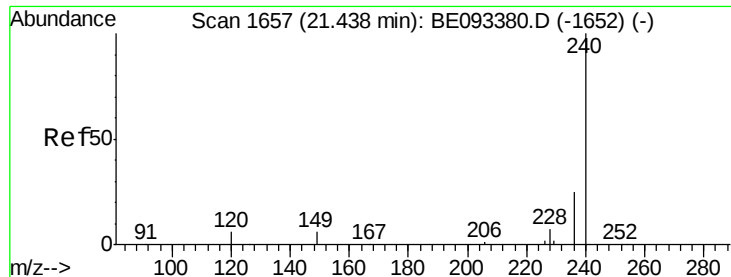
Tgt Ion: 212 Resp: 98088
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.4 3.6
 104 2.0 1.6 2.4



#26
 Fluoranthene
 Concen: 0.52 ng
 RT: 19.32 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE093397.D
 Acq: 1 Jul 2017 17:56

Tgt Ion: 202 Resp: 31624
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.6 14.4
 203 17.2 14.4 21.6





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.43 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

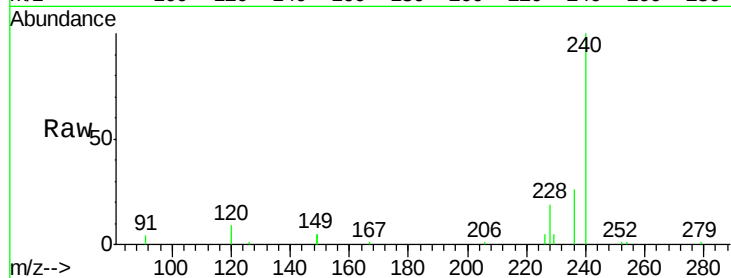
Tgt Ion:240 Resp: 33146

Ion Ratio Lower Upper

240 100

120 9.5 4.6 7.0#

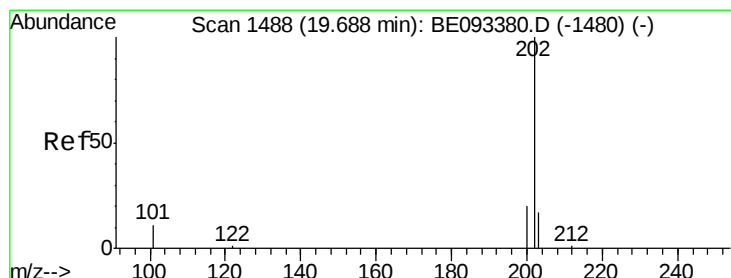
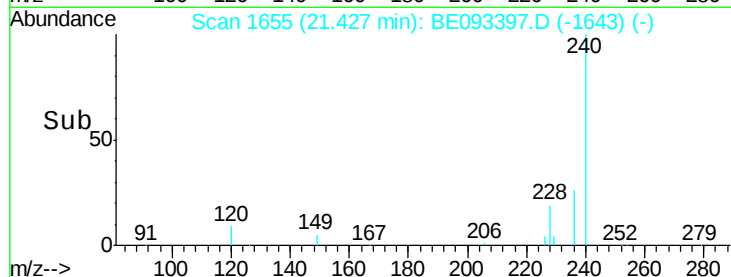
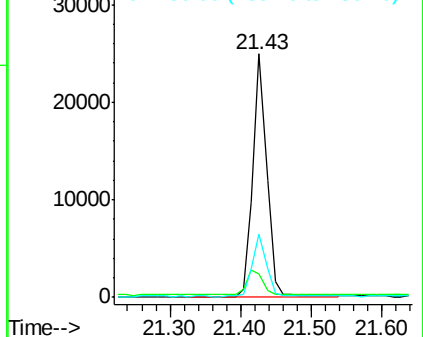
236 26.1 20.8 31.2



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



#28

Pyrene

Concen: 0.37 ng

RT: 19.68 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

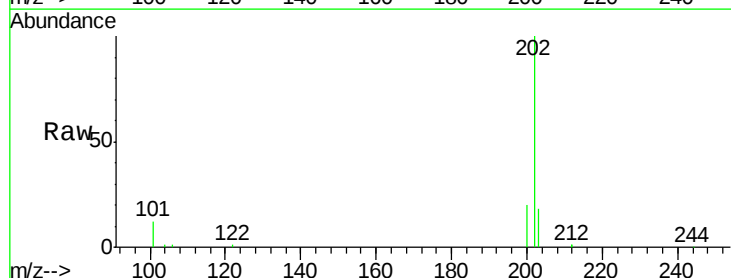
Tgt Ion:202 Resp: 32787

Ion Ratio Lower Upper

202 100

200 20.6 0.0 0.0#

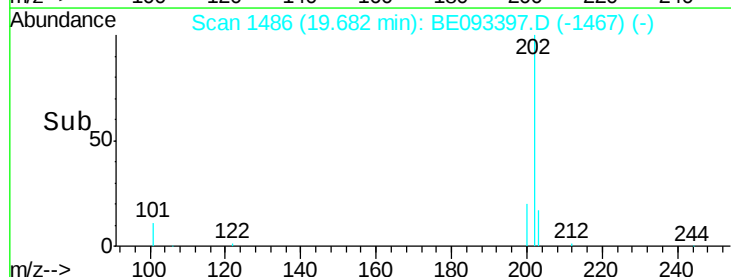
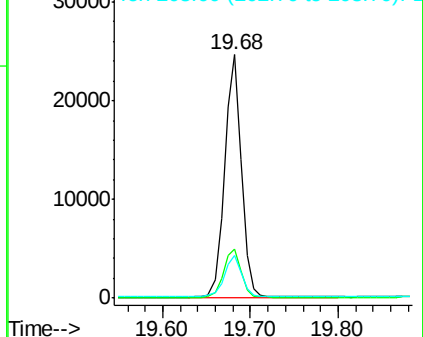
203 17.9 13.7 20.5

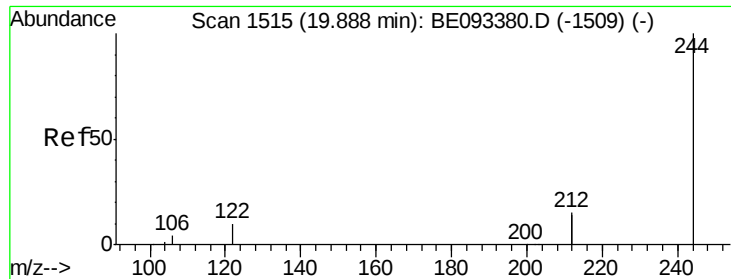


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.40 ng

RT: 19.88 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

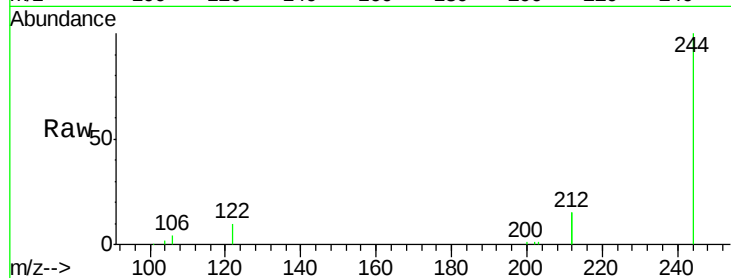
Tgt Ion:244 Resp: 24494

Ion Ratio Lower Upper

244 100

212 30.5 10.6 16.0#

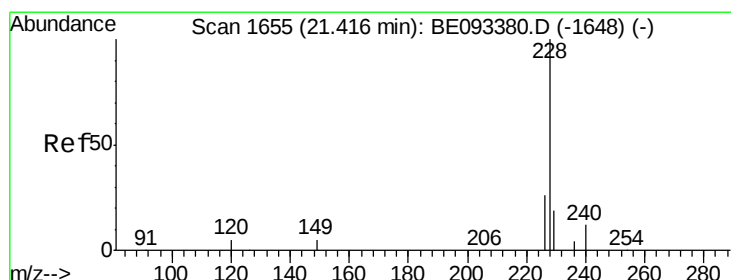
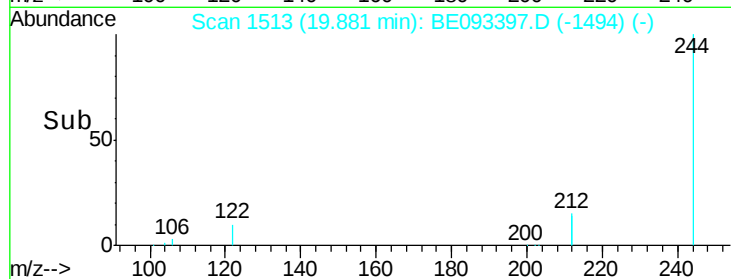
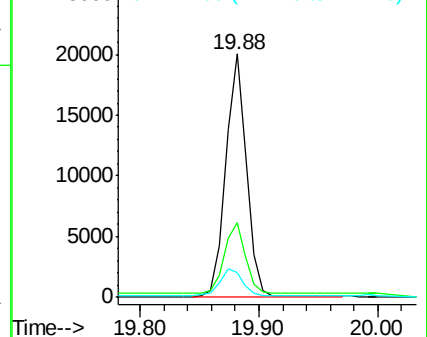
122 10.4 15.4 23.0#



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: 0.44 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

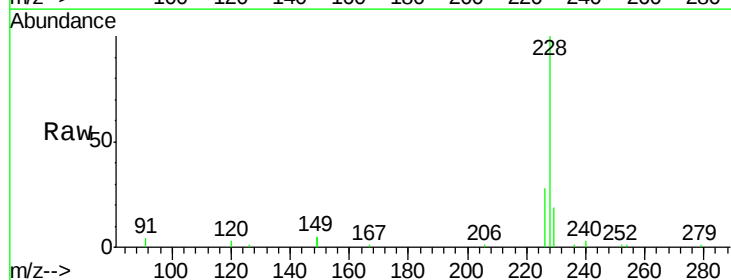
Tgt Ion:228 Resp: 40014

Ion Ratio Lower Upper

228 100

226 28.1 19.7 29.5

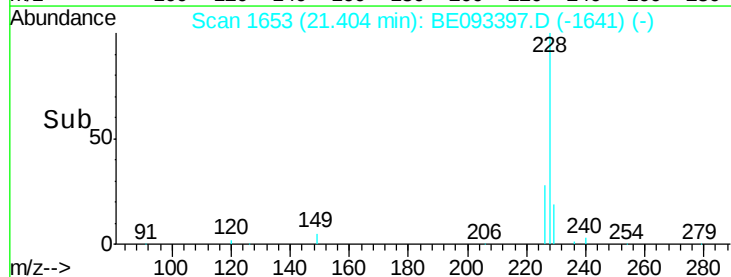
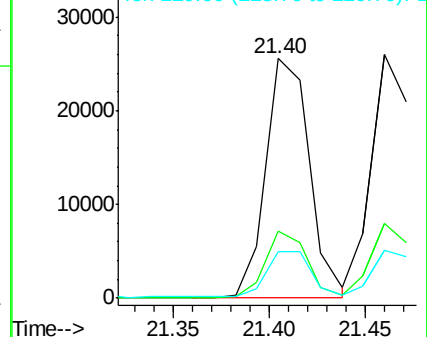
229 19.2 19.2 28.8#

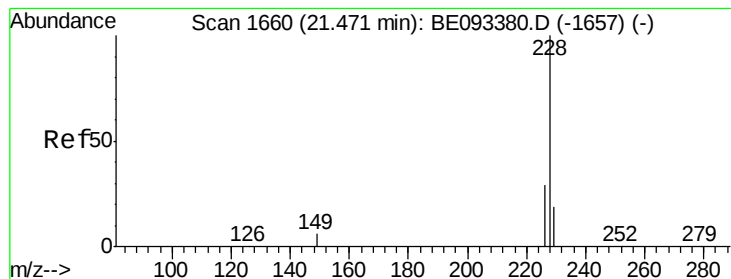


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

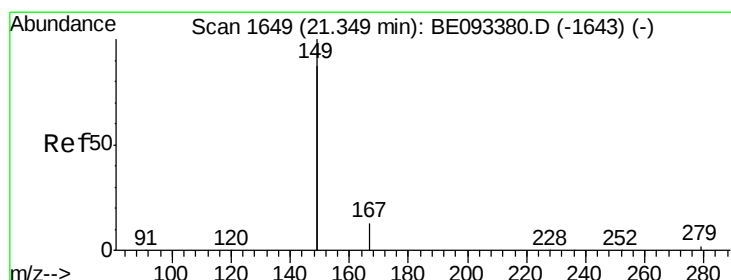
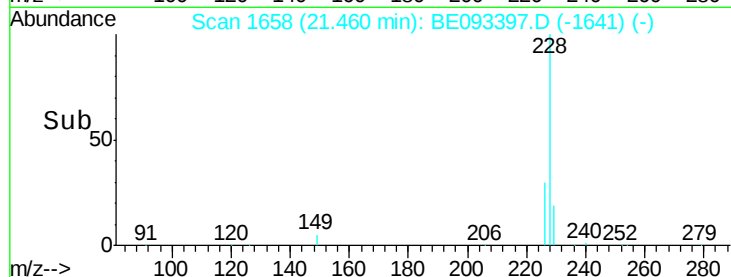
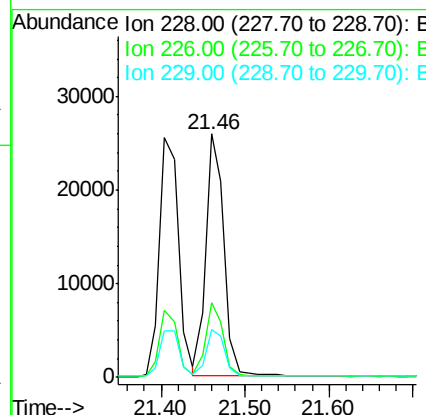
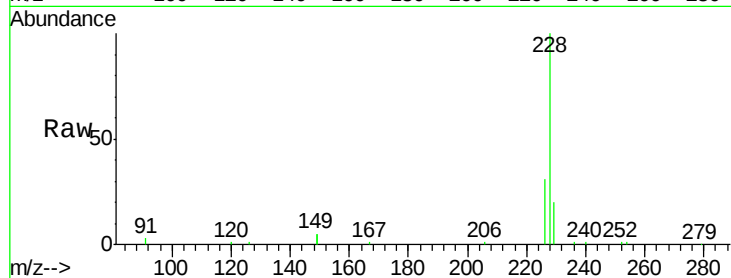




#31
Chrysene
Concen: 0.42 ng
RT: 21.46 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BE093397.D
Acq: 1 Jul 2017 17:56

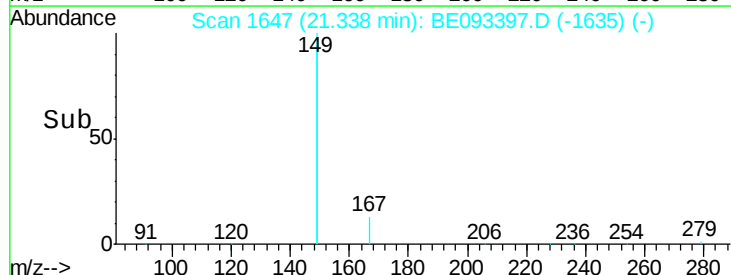
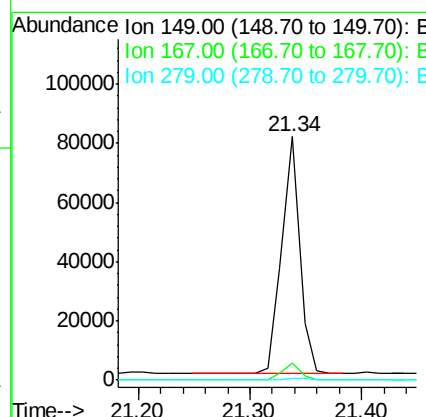
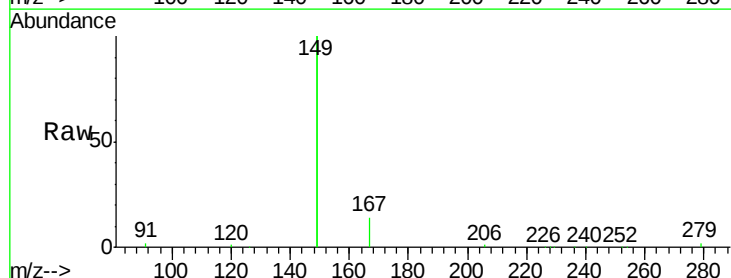
Instrument :
BNA_E
ClientSampleId :
MH-117N-20170627MSD

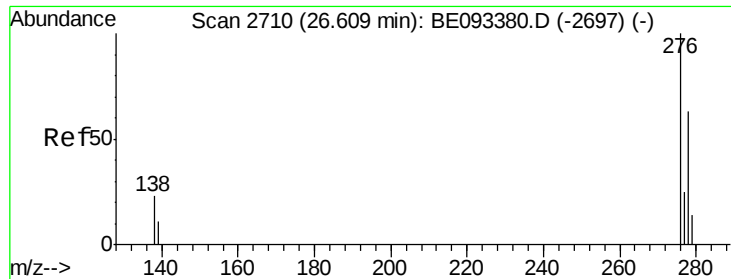
Tgt Ion: 228 Resp: 39241
Ion Ratio Lower Upper
228 100
226 30.5 21.5 32.3
229 19.6 18.6 28.0



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.68 ng
RT: 21.34 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE093397.D
Acq: 1 Jul 2017 17:56

Tgt Ion: 149 Resp: 91255
Ion Ratio Lower Upper
149 100
167 6.7 20.1 30.1#
279 0.9 2.2 3.4#

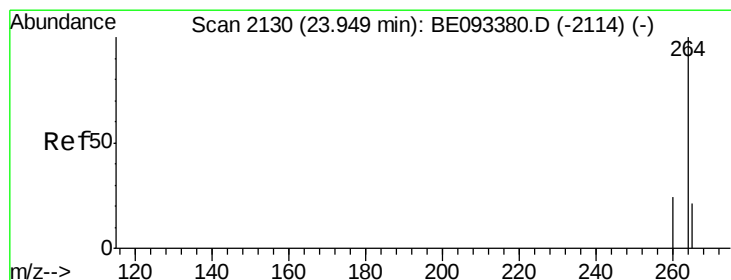
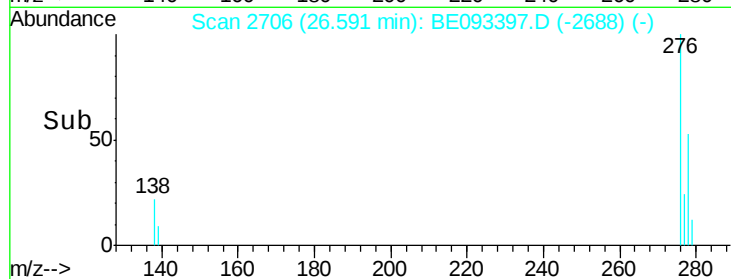
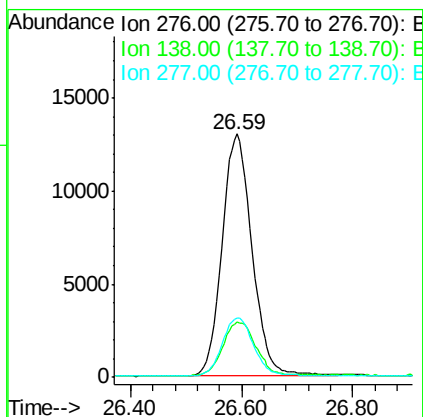
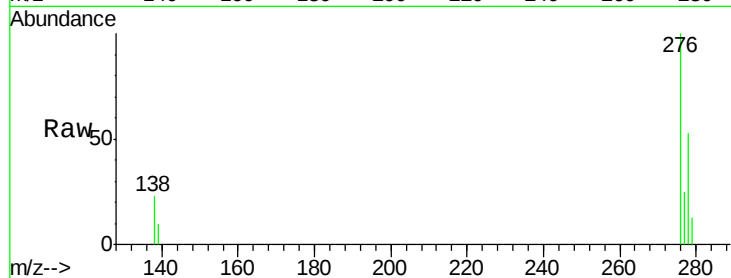




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.53 ng
 RT: 26.59 min Scan# 2706
 Delta R.T. -0.02 min
 Lab File: BE093397.D
 Acq: 1 Jul 2017 17:56

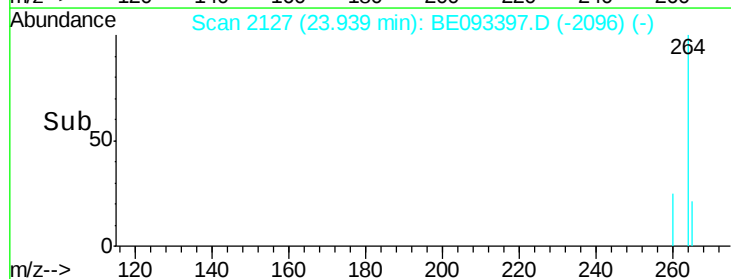
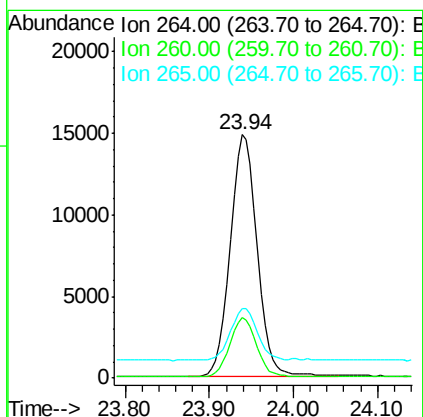
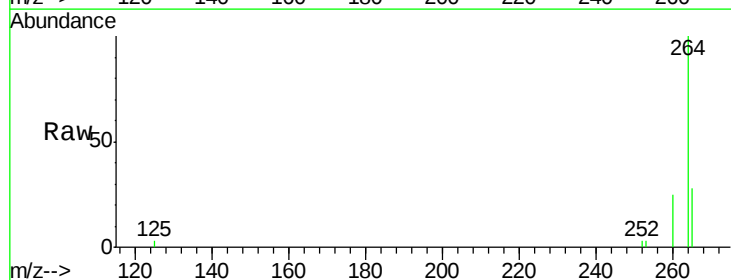
Instrument :
 BNA_E
 ClientSampleId :
 MH-117N-20170627MSD

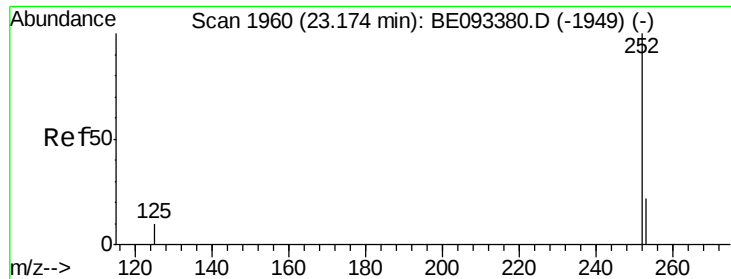
Tgt Ion: 276 Resp: 48511
 Ion Ratio Lower Upper
 276 100
 138 24.0 27.4 41.2#
 277 24.7 20.1 30.1



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.94 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE093397.D
 Acq: 1 Jul 2017 17:56

Tgt Ion: 264 Resp: 33021
 Ion Ratio Lower Upper
 264 100
 260 25.1 21.0 31.4
 265 28.4 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.43 ng

RT: 23.17 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD

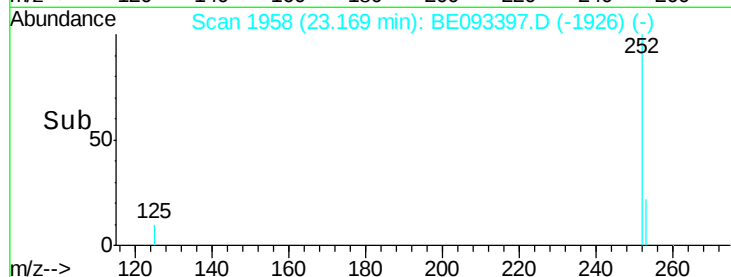
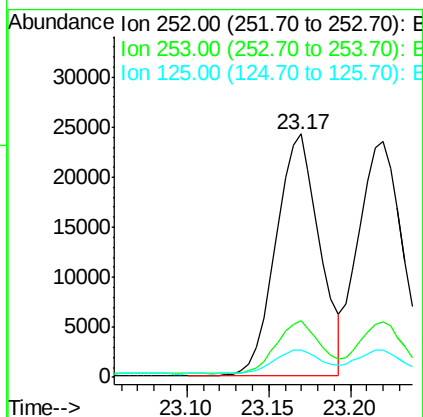
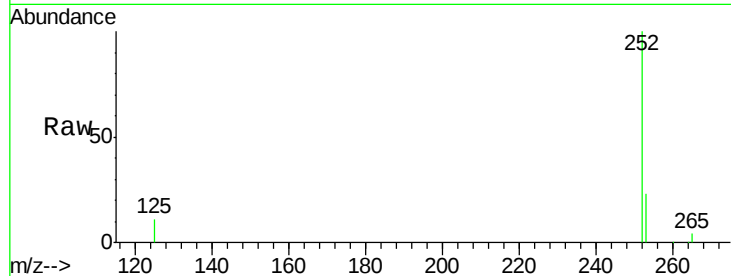
Tgt Ion:252 Resp: 44702

Ion Ratio Lower Upper

252 100

253 23.2 18.5 27.7

125 11.1 13.4 20.0#



#36

Benzo(k)fluoranthene

Concen: 0.43 ng

RT: 23.22 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BE093397.D

Acq: 1 Jul 2017 17:56

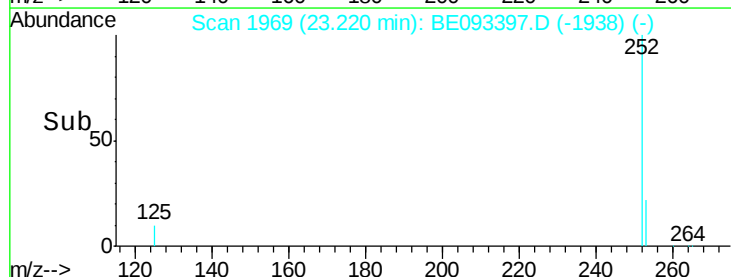
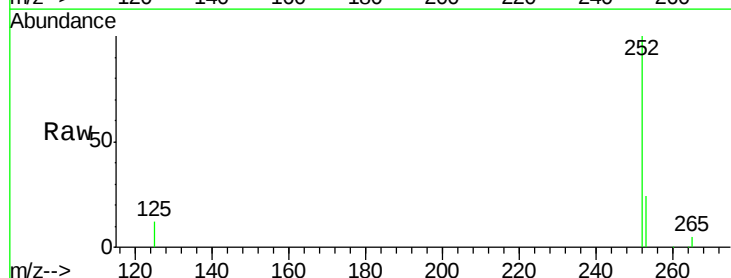
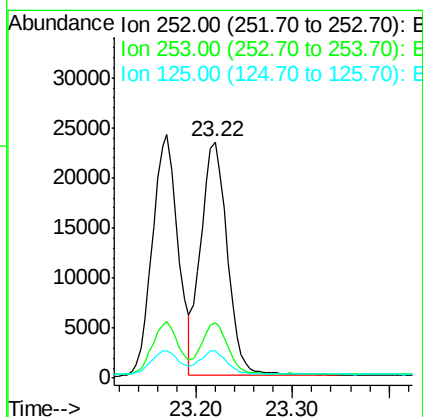
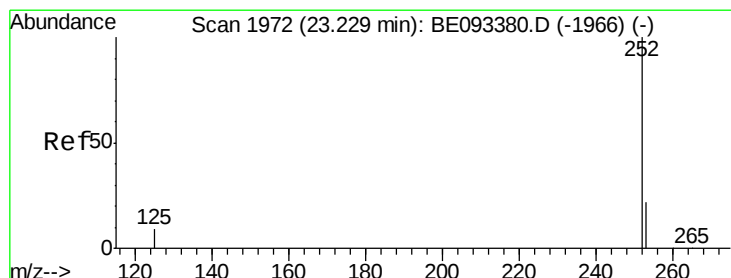
Tgt Ion:252 Resp: 44622

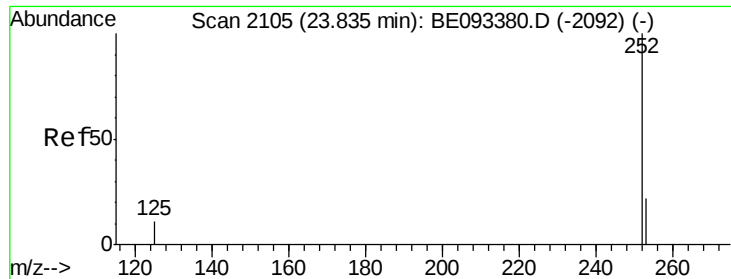
Ion Ratio Lower Upper

252 100

253 23.6 20.3 30.5

125 11.6 12.2 18.4#

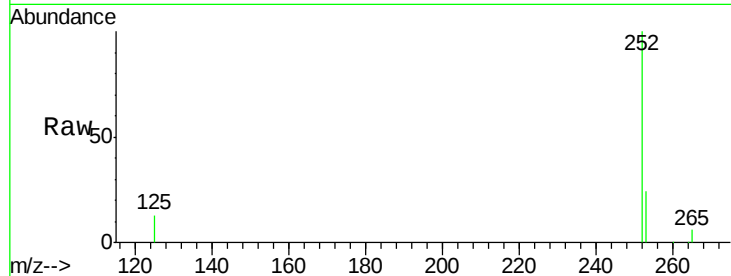




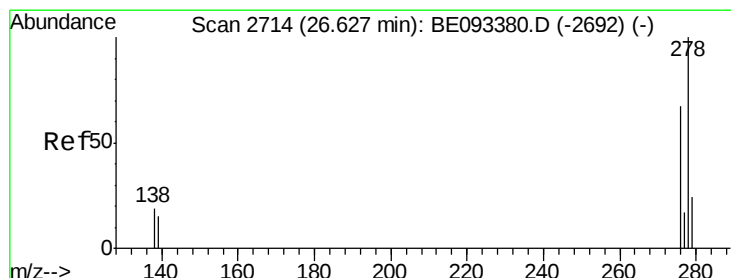
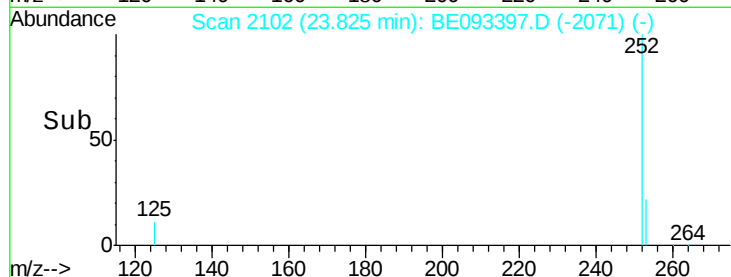
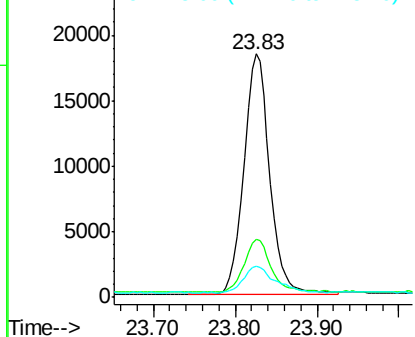
#37
Benzo(a)pyrene
Concen: 0.44 ng
RT: 23.83 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE093397.D
Acq: 1 Jul 2017 17:56

Instrument :
BNA_E
ClientSampleId :
MH-117N-20170627MSD

Tgt Ion: 252 Resp: 40309
Ion Ratio Lower Upper
252 100
253 23.8 19.9 29.9
125 12.6 14.6 21.8#

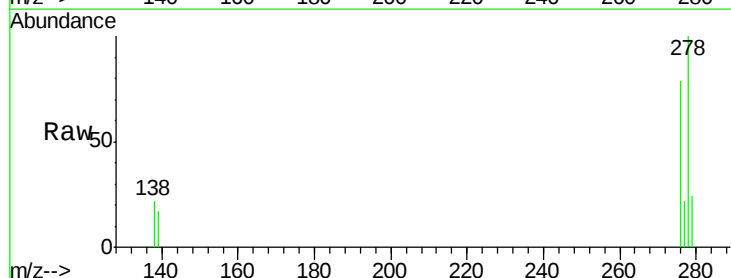


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

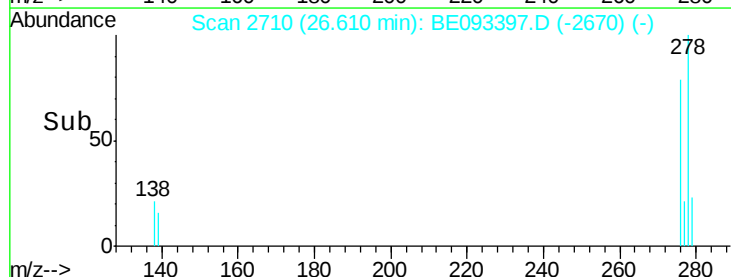
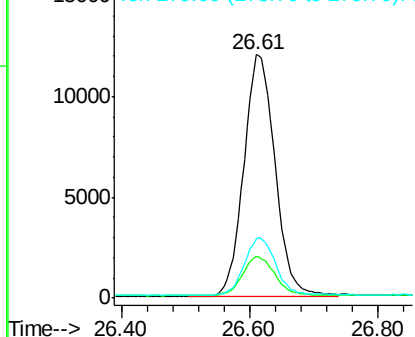


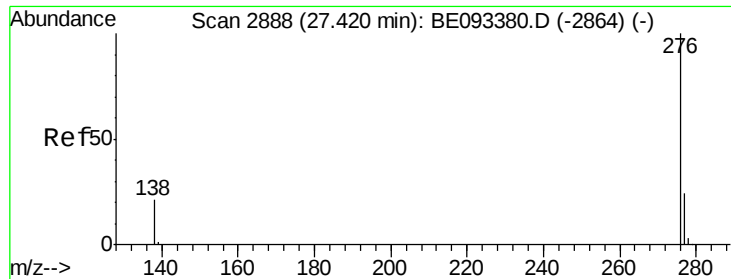
#38
Dibenzo(a,h)anthracene
Concen: 0.44 ng
RT: 26.61 min Scan# 2710
Delta R.T. -0.02 min
Lab File: BE093397.D
Acq: 1 Jul 2017 17:56

Tgt Ion: 278 Resp: 40891
Ion Ratio Lower Upper
278 100
139 16.8 21.4 32.0#
279 24.3 22.2 33.2



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: 0.43 ng

RT: 27.40 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BE093397.D

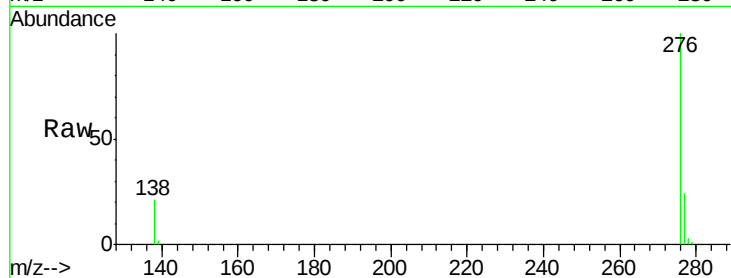
Acq: 1 Jul 2017 17:56

Instrument :

BNA_E

ClientSampleId :

MH-117N-20170627MSD



Tgt Ion:	276	Resp:	41247
Ion Ratio	Lower	Upper	
276	100		
277	23.6	21.2	31.8
138	21.5	24.5	36.7

