

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
 Data File : BE093656.D
 Acq On : 3 Aug 2017 13:58
 Operator : SJ/JU
 Sample : I4425-13
 Misc : I4426-07
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 04 04:12:53 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3676	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	18084	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	10230	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	25677	0.40	ng	0.00
27) Chrysene-d12	21.40	240	26999	0.40	ng	-0.01
34) Perylene-d12	23.91	264	24665	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	3229	0.29	ng	0.00
5) Phenol-d6	7.09	99	4890	0.30	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3938	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	7025	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	640	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	10077	0.25	ng	-0.02
25) Fluoranthene-d10	19.27	212	73810	0.25	ng	0.00
29) Terphenyl-d14	19.86	244	12876	0.27	ng	0.00

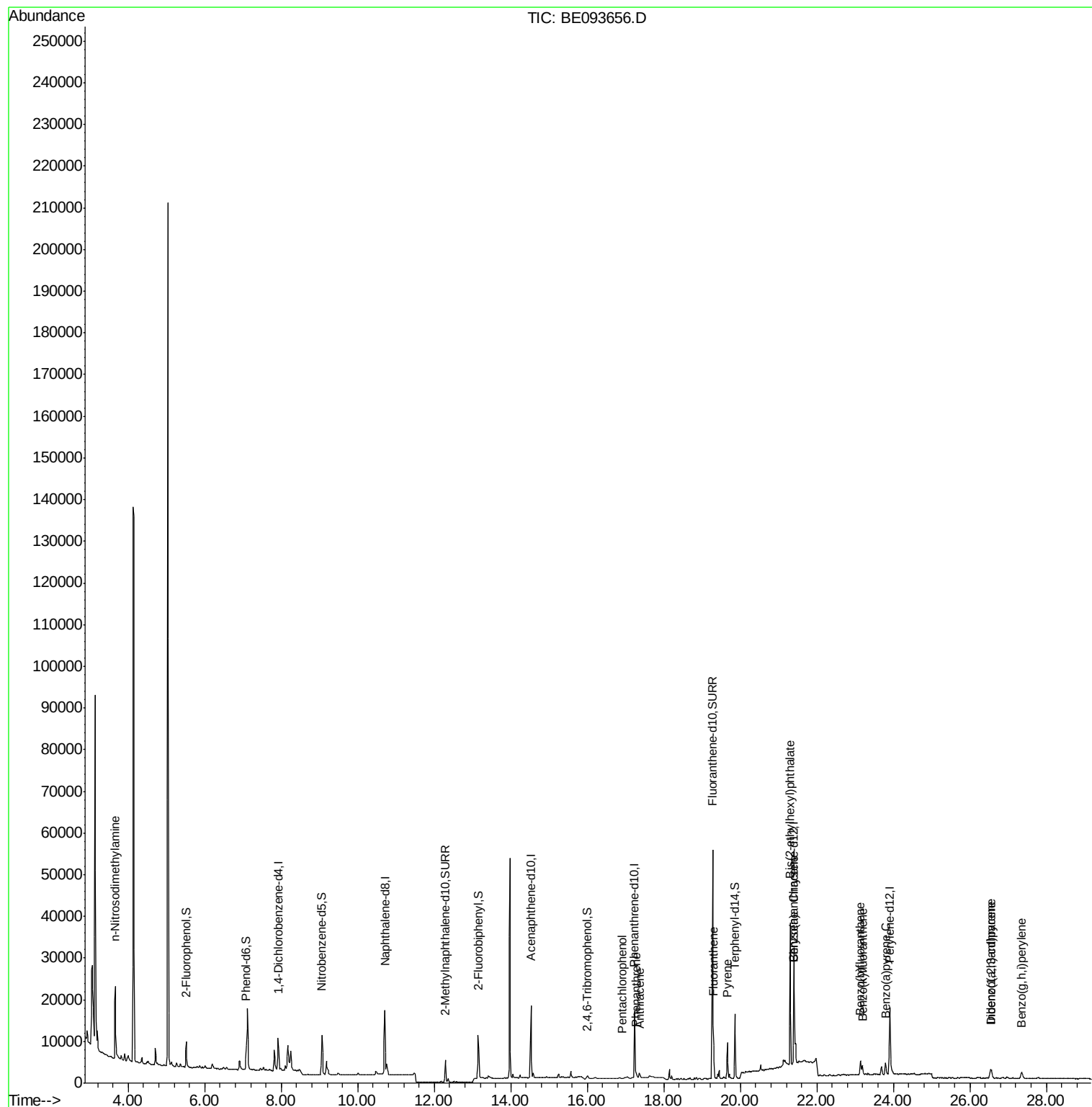
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.66	42	3572	0.640	ng	# 1
20) 4-Bromophenyl-phenylether	16.45	248	4	Below Cal		# 20
22) Pentachlorophenol	16.91	266	27	0.156	ng	# 62
23) Phenanthrene	17.27	178	1995	0.035	ng	93
24) Anthracene	17.37	178	1834	0.024	ng	95
26) Fluoranthene	19.30	202	7204	0.080	ng	98
28) Pyrene	19.66	202	8367	0.096	ng	# 93
30) Benzo(a)anthracene	21.39	228	5503	0.069	ng	# 92
31) Chrysene	21.39	228	5503	0.062	ng	94
32) Bis(2-ethylhexyl)phthalate	21.30	149	35315	0.326	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	3403	0.042	ng	93
35) Benzo(b)fluoranthene	23.14	252	4999	0.057	ng	# 68
36) Benzo(k)fluoranthene	23.19	252	3089	0.034	ng	# 61
37) Benzo(a)pyrene	23.79	252	3919	0.049	ng	# 63
38) Dibenzo(a,h)anthracene	26.56	278	2176	0.028	ng	# 51
39) Benzo(g,h,i)perylene	27.36	276	3441	0.044	ng	# 84

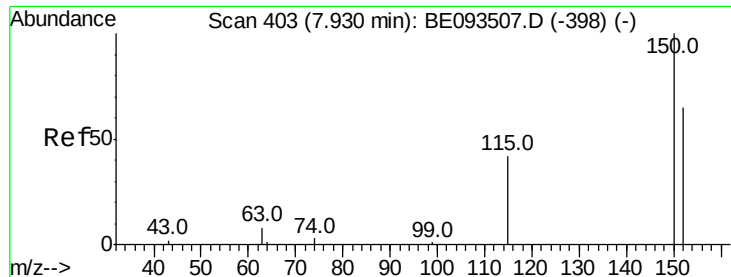
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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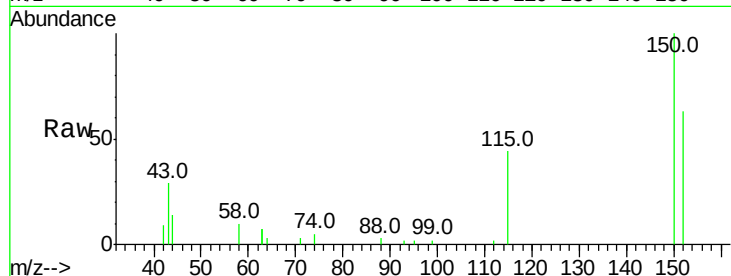


#1

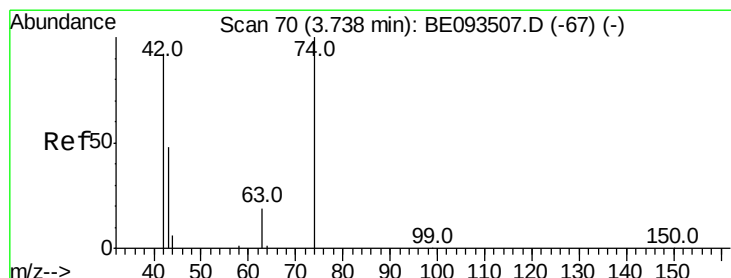
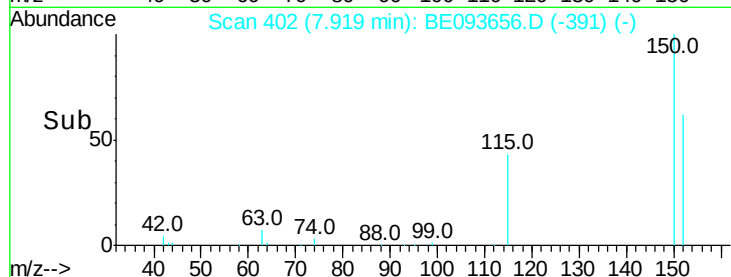
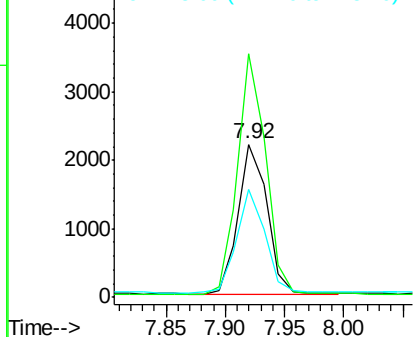
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3676
Ion Ratio Lower Upper
152 100
150 159.4 125.1 187.7
115 70.8 55.7 83.5



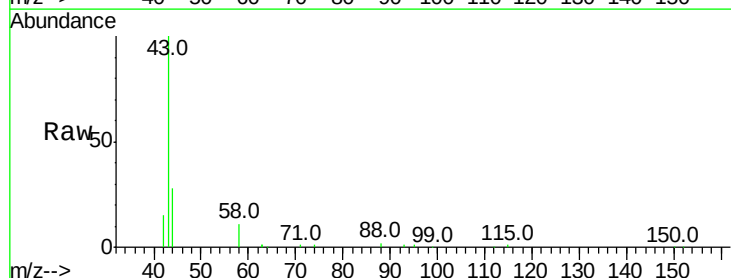
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



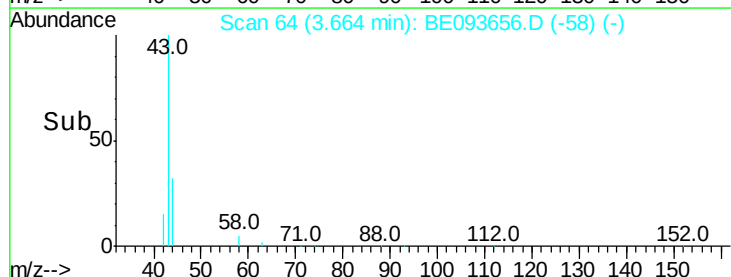
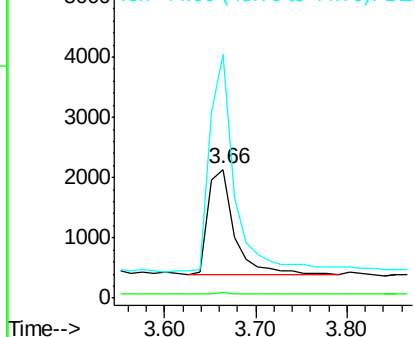
#3

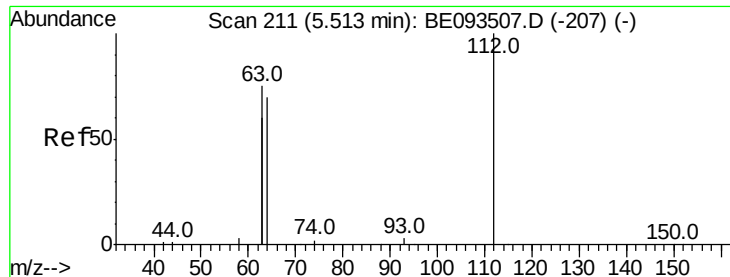
n-Nitrosodimethylamine
Concen: 0.640 ng
RT: 3.66 min Scan# 64
Delta R.T. -0.07 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion: 42 Resp: 3572
Ion Ratio Lower Upper
42 100
74 1.0 99.1 148.7#
44 193.4 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: 0.295 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampleId :

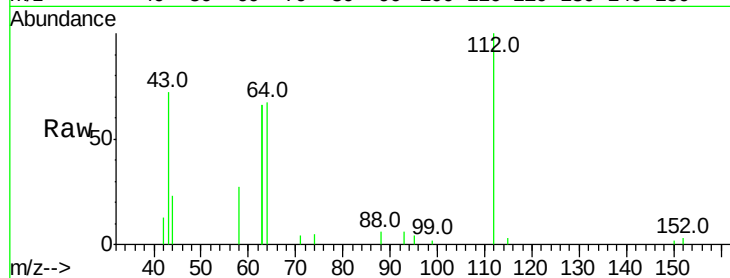
Tot Ion:112 Resp: 3229

Ion Ratio Lower Upper

112 100

64 71.7 56.4 84.6

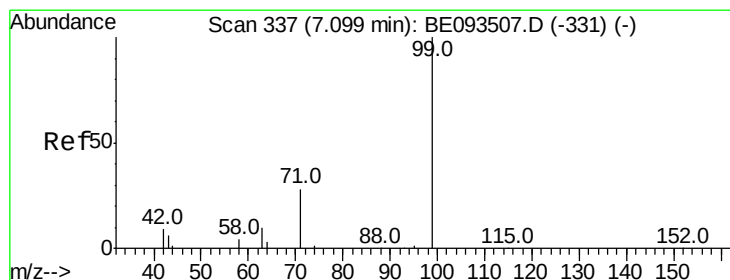
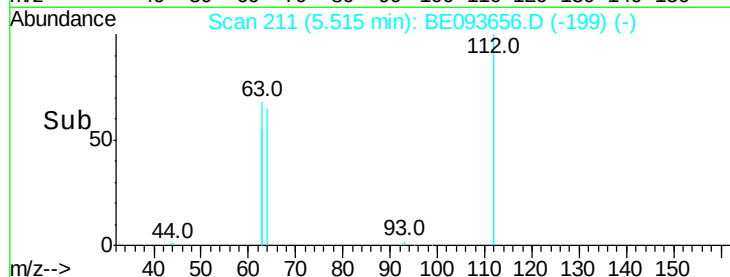
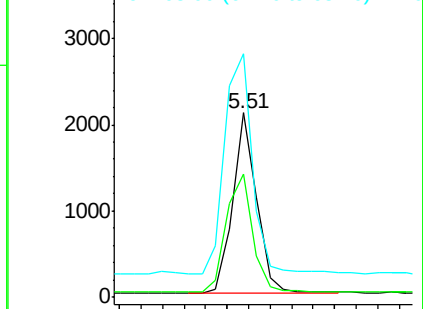
63 139.2 29.3 43.9#



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: 0.297 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

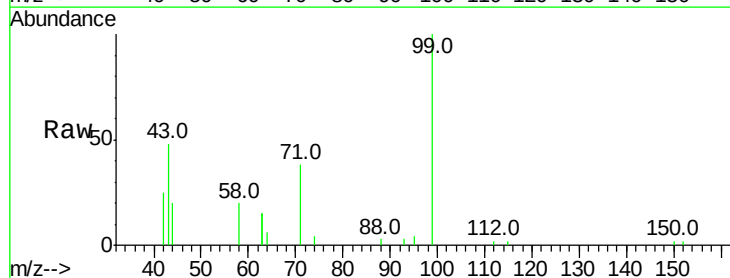
Tgt Ion: 99 Resp: 4890

Ion Ratio Lower Upper

99 100

42 33.8 0.0 0.0#

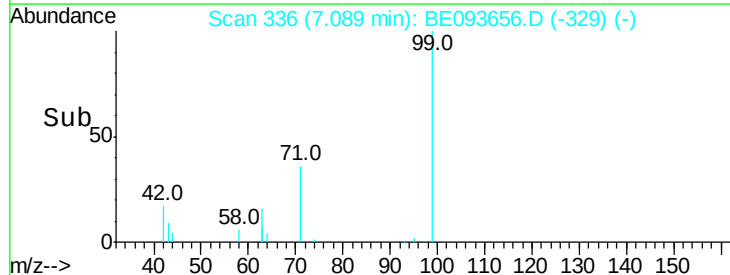
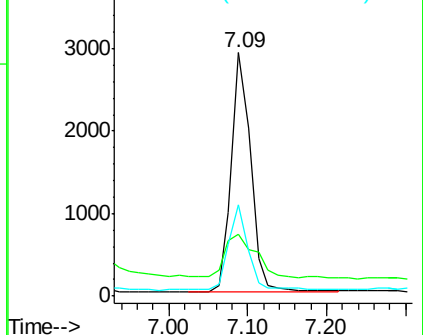
71 34.1 0.0 0.0#

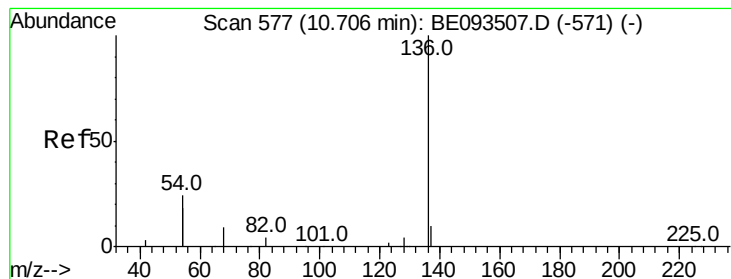


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 18084

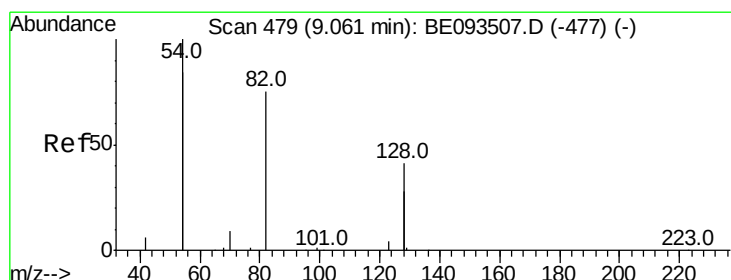
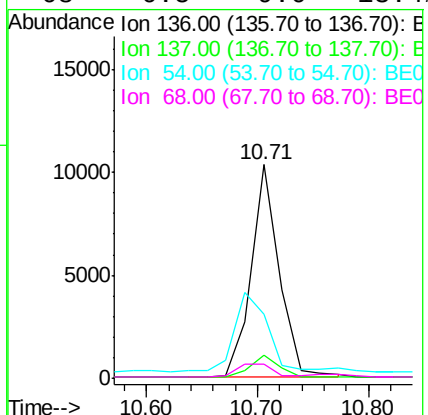
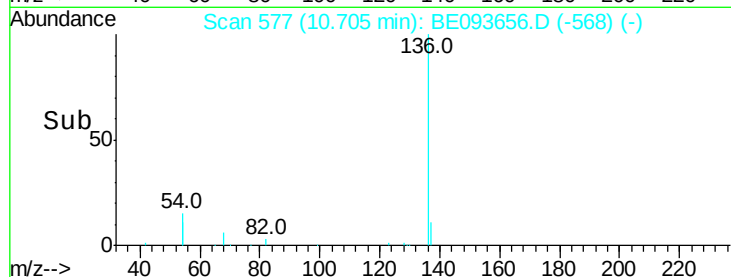
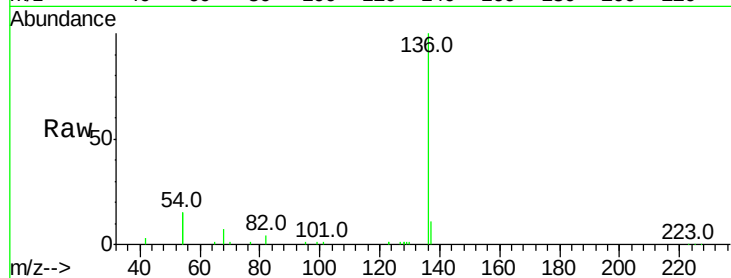
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 29.7 10.3 15.5#

68 6.5 9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.285 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

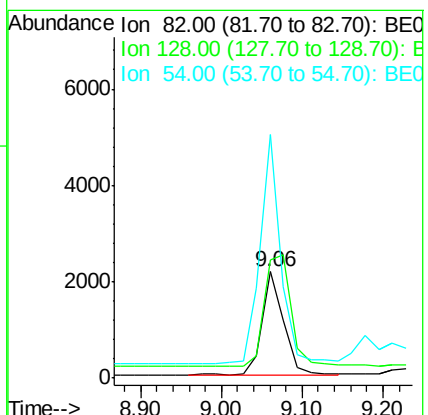
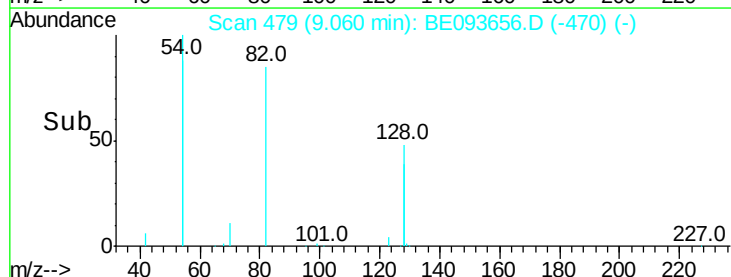
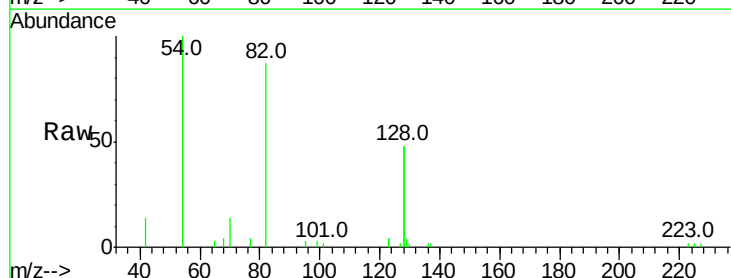
Tgt Ion: 82 Resp: 3938

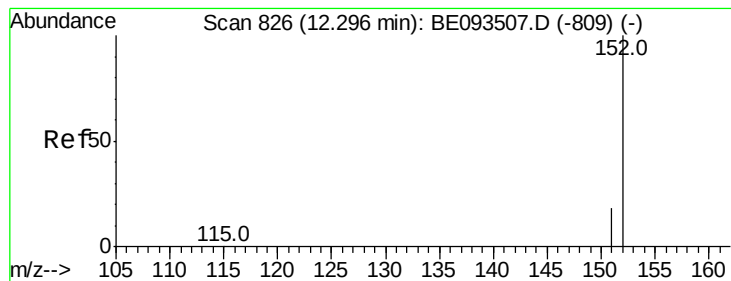
Ion Ratio Lower Upper

82 100

128 110.7 17.0 25.4#

54 229.2 53.8 80.6#

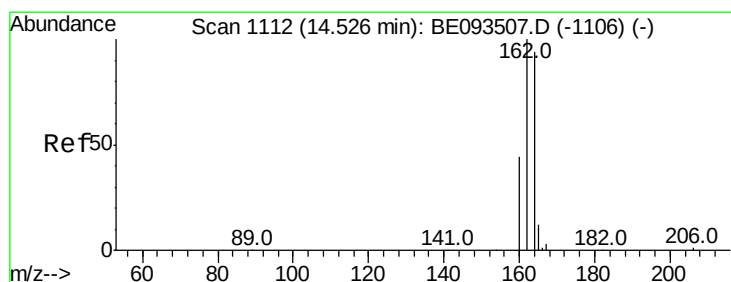
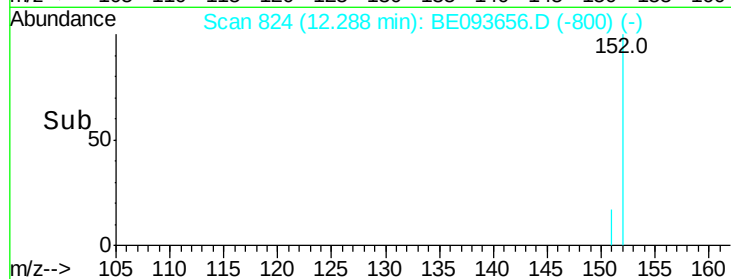
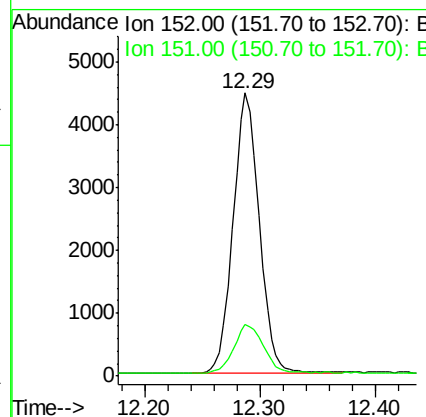
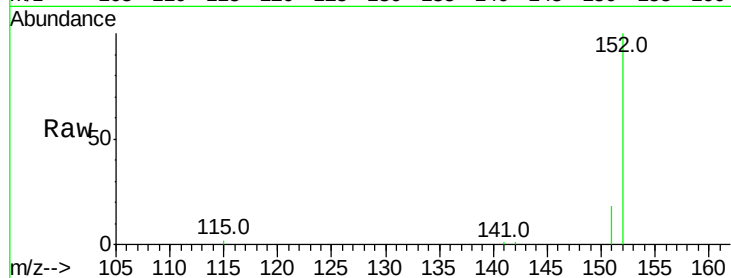




#11
 2-Methylnaphthalene-d10
 Concen: 0.246 ng
 RT: 12.29 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

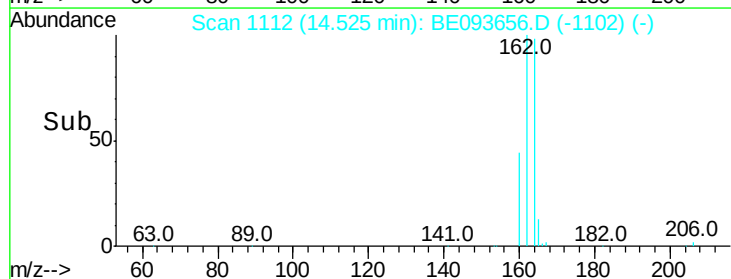
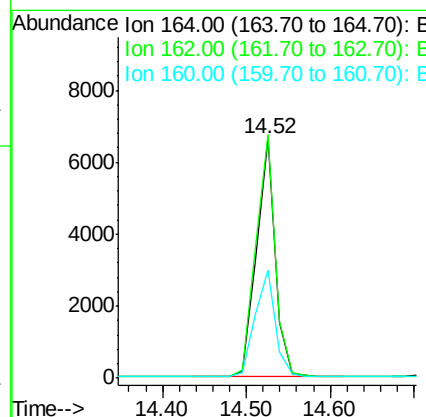
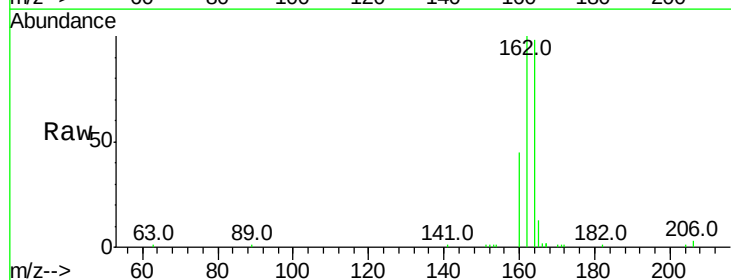
Instrument :
 BNA_E
 ClientSampleId :

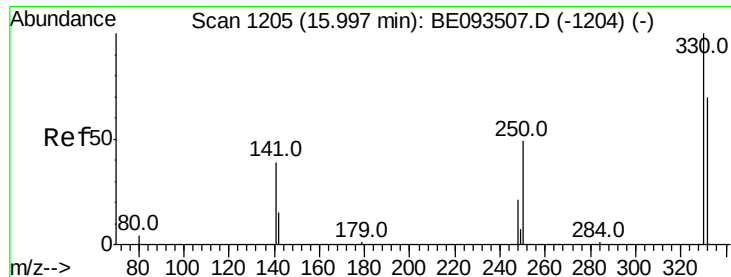
Tot Ion:152 Resp: 7025
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.1 22.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Tgt Ion:164 Resp: 10230
 Ion Ratio Lower Upper
 164 100
 162 101.8 84.6 127.0
 160 45.3 41.8 62.6

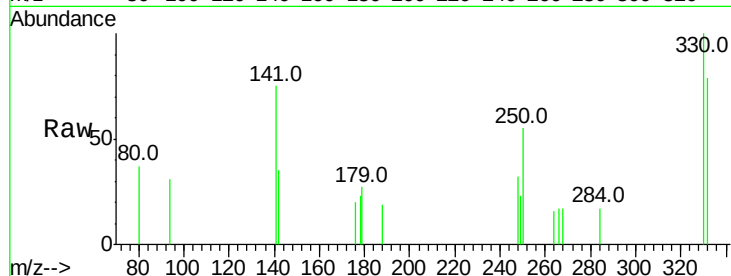




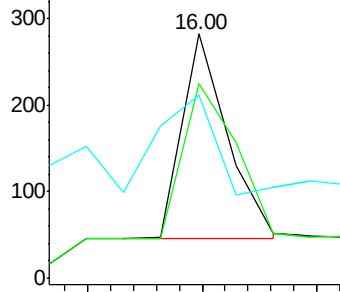
#14
 2,4,6-Tribromophenol
 Concen: 0.316 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Instrument :
 BNA_E
 ClientSampleId :

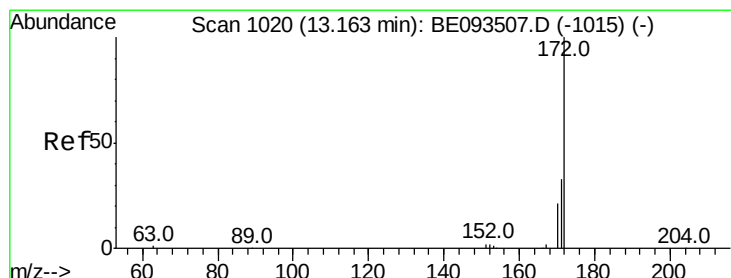
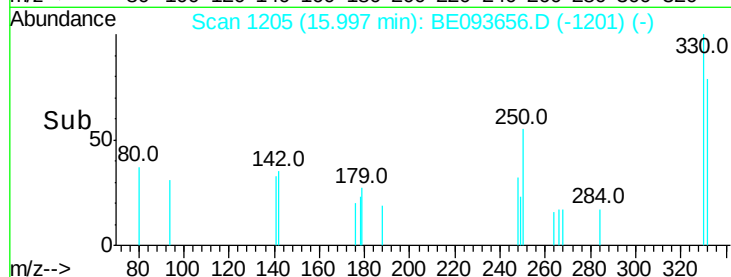
Tot Ion:330 Resp: 640
 Ion Ratio Lower Upper
 330 100
 332 90.8 77.7 116.5
 141 59.8 56.2 84.4



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

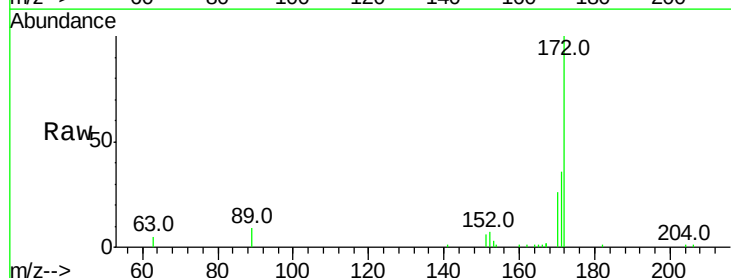


Time-->

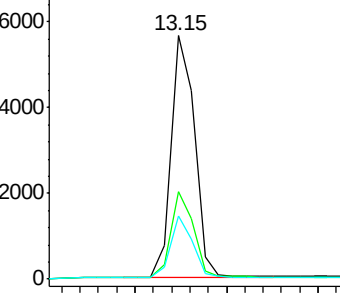


#15
 2-Fluorobiphenyl
 Concen: 0.246 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. -0.02 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

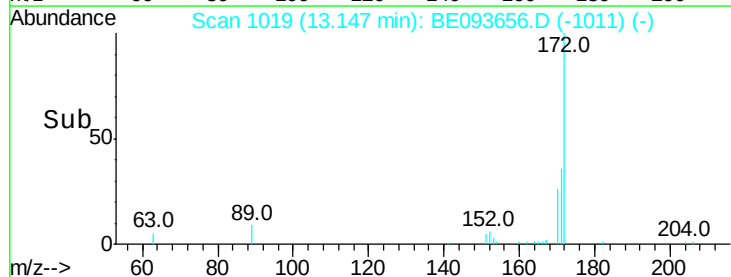
Tgt Ion:172 Resp: 10077
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.8 44.6
 170 25.7 20.7 31.1

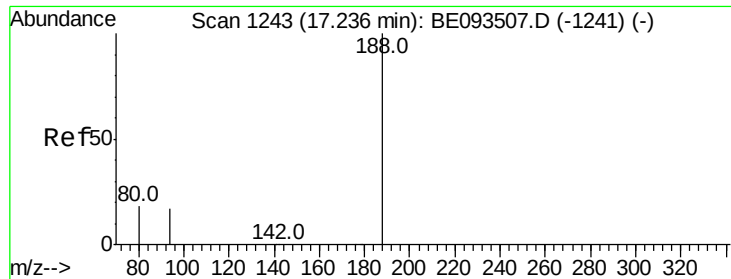


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->

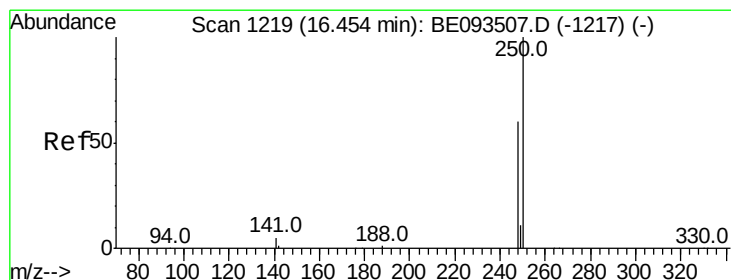
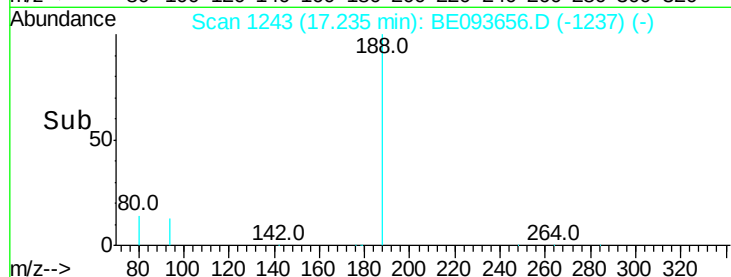
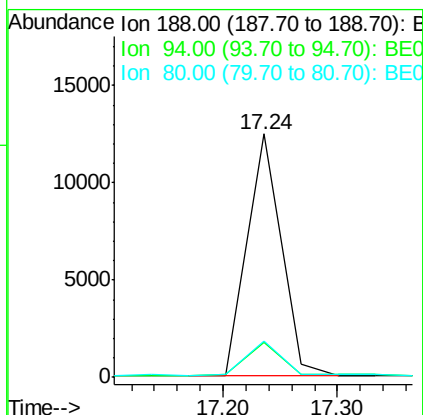
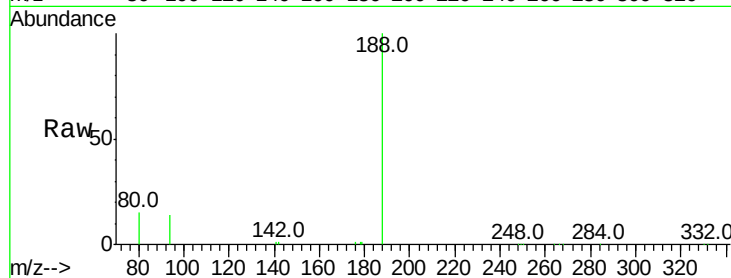




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

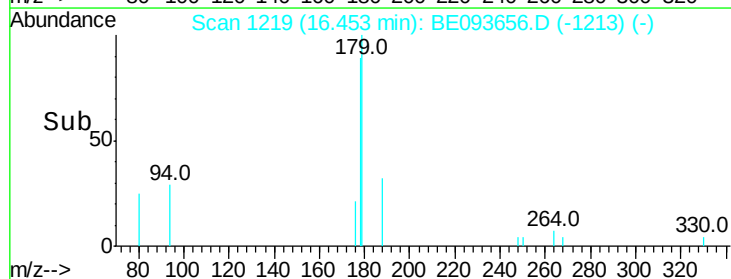
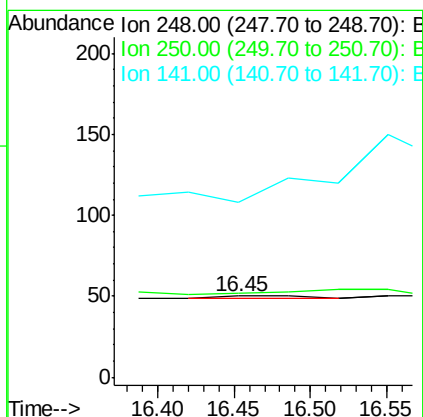
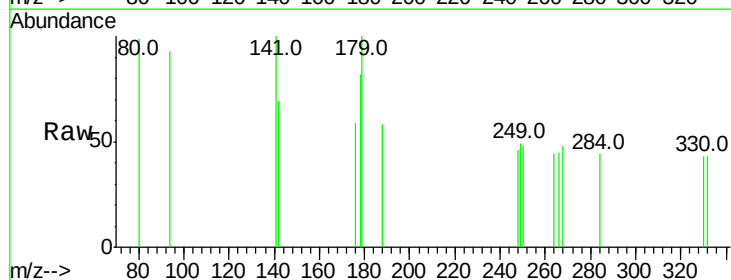
Instrument :
BNA_E
ClientSampleId :

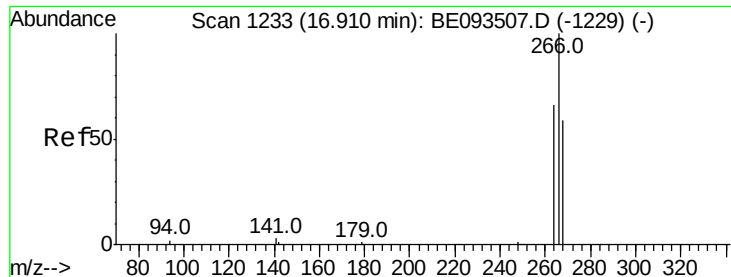
Tot Ion:188 Resp: 25677
Ion Ratio Lower Upper
188 100
94 14.1 11.3 16.9
80 15.1 11.7 17.5



#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.45 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion:248 Resp: 4
Ion Ratio Lower Upper
248 100
250 104.0 128.0 192.0#
141 216.0 12.0 18.0#





#22

Pentachlorophenol

Concen: 0.156 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampleId :

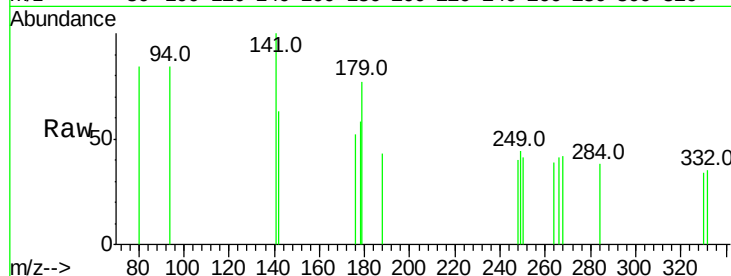
Tot Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 94.4 56.0 84.0#

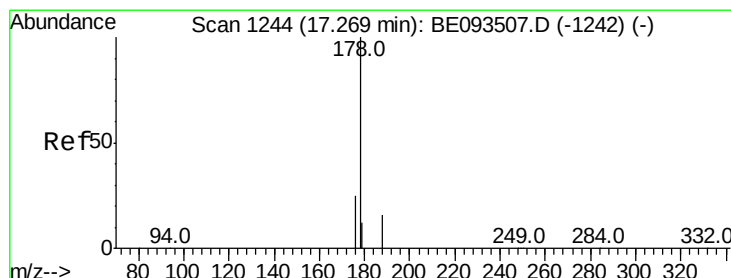
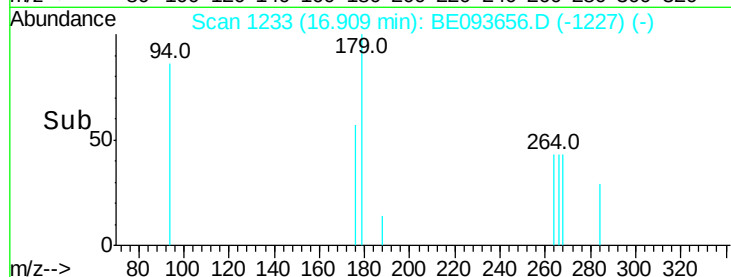
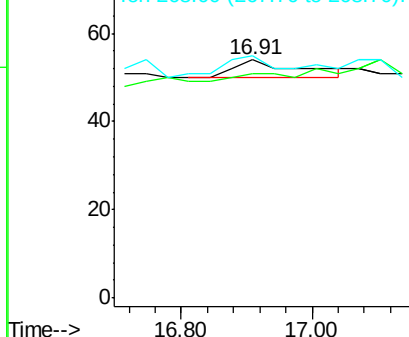
268 101.9 52.0 78.0#



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: 0.035 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

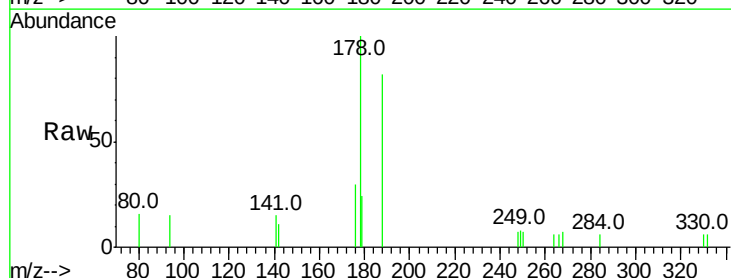
Tgt Ion:178 Resp: 1995

Ion Ratio Lower Upper

178 100

176 21.8 15.0 22.4

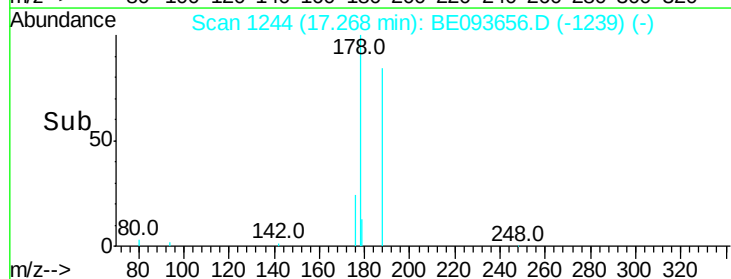
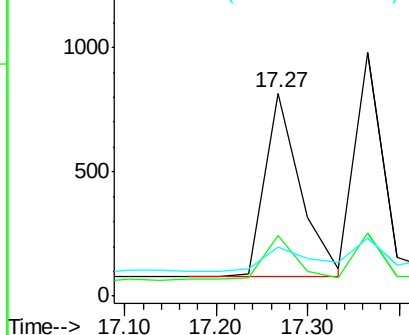
179 18.9 12.7 19.1

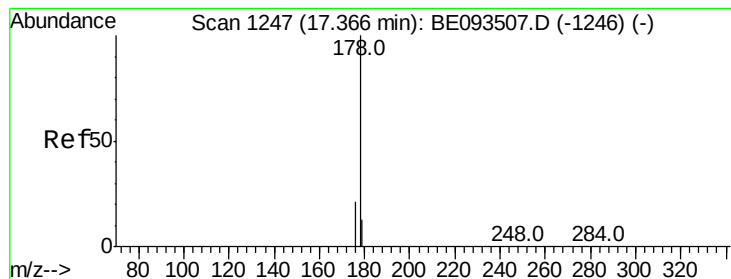


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.024 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampled :

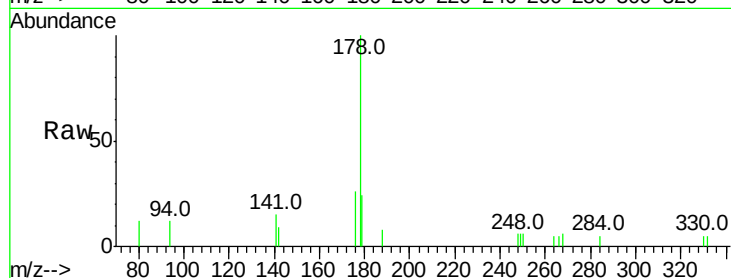
Tot Ion:178 Resp: 1834

Ion Ratio Lower Upper

178 100

176 19.8 14.6 22.0

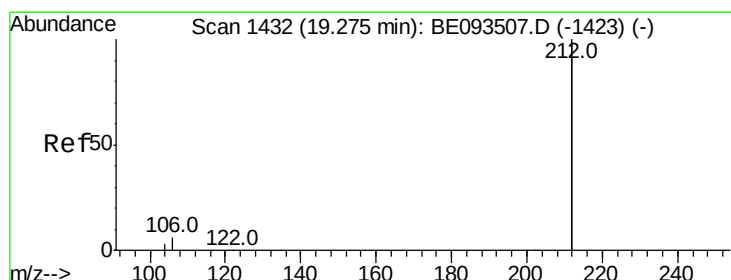
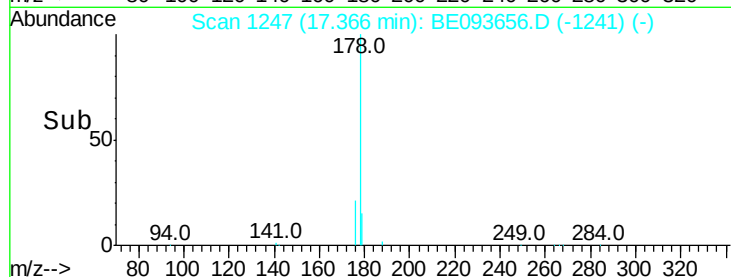
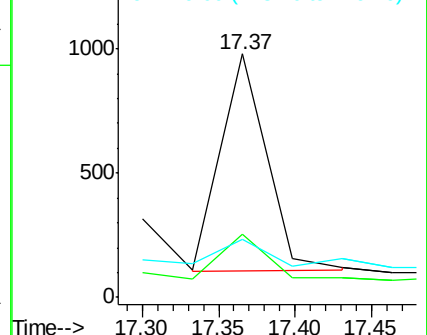
179 12.3 12.0 18.0



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: 0.253 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

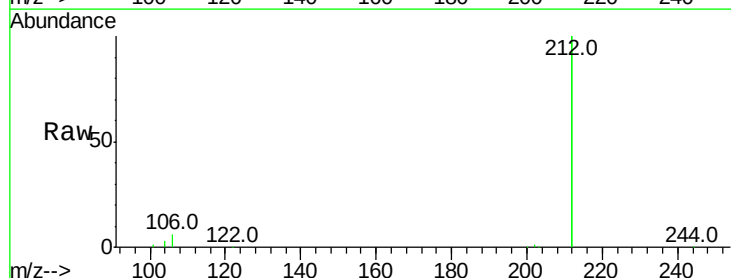
Tgt Ion:212 Resp: 73810

Ion Ratio Lower Upper

212 100

106 3.4 2.4 3.6

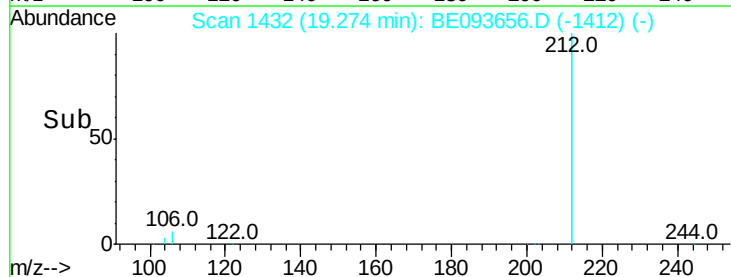
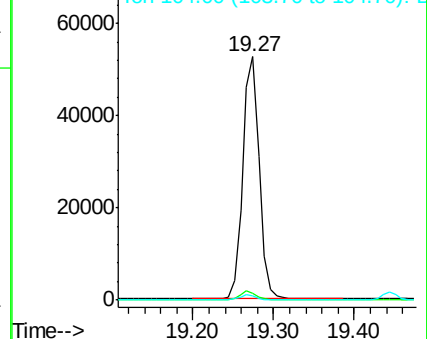
104 1.9 1.6 2.4

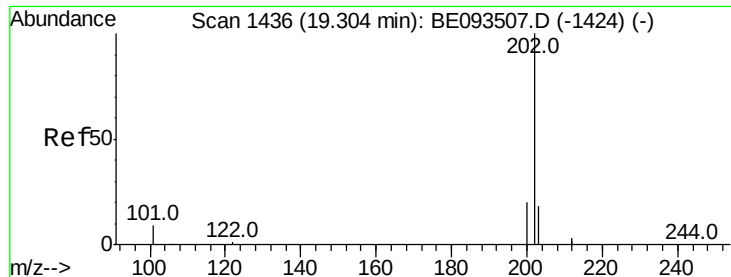


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

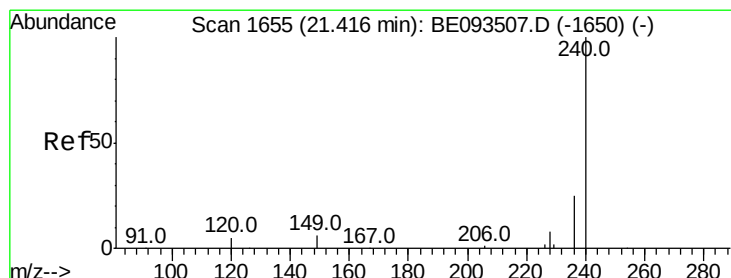
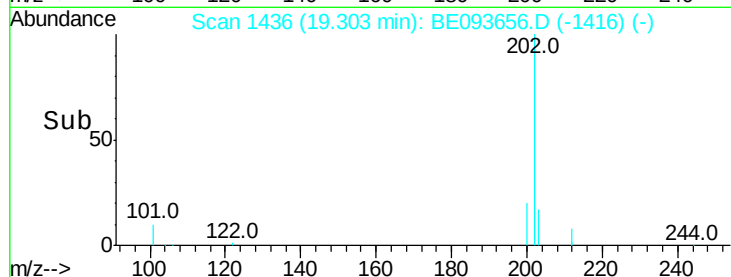
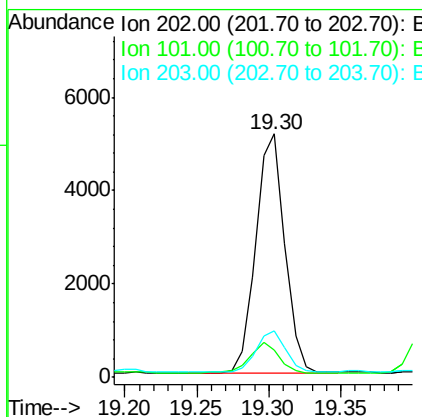
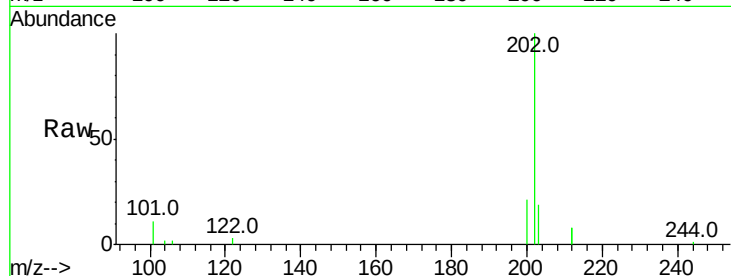




#26
 Fluoranthene
 Concen: 0.080 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

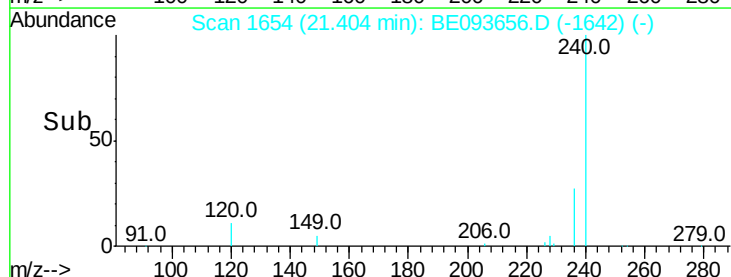
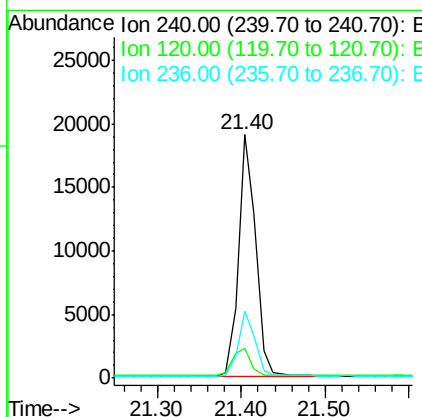
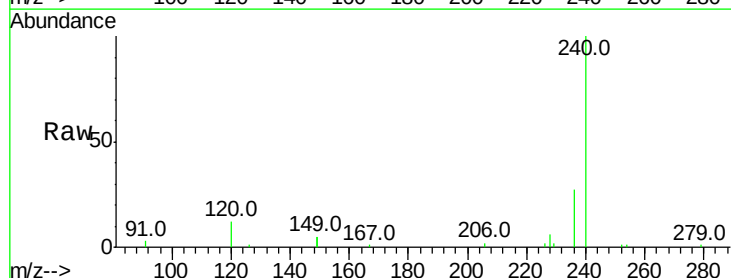
Instrument :
 BNA_E
 ClientSampleId :

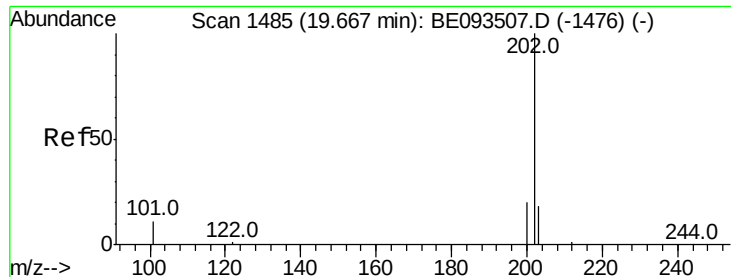
Tot Ion:202 Resp: 7204
 Ion Ratio Lower Upper
 202 100
 101 14.2 9.6 14.4
 203 17.9 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Tgt Ion:240 Resp: 26999
 Ion Ratio Lower Upper
 240 100
 120 12.1 4.6 7.0#
 236 27.3 20.8 31.2

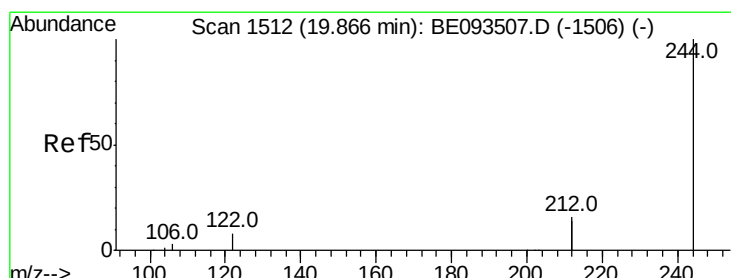
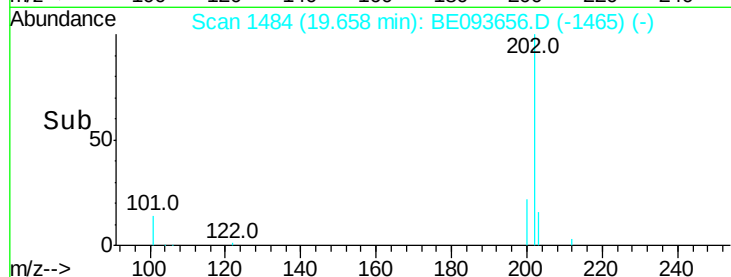
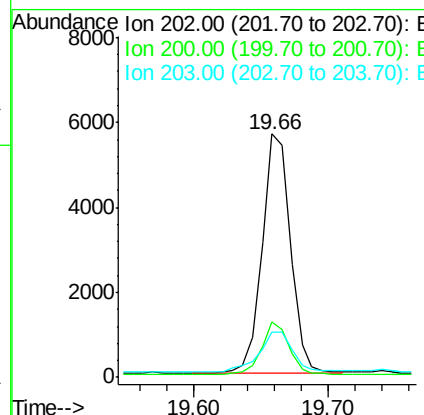
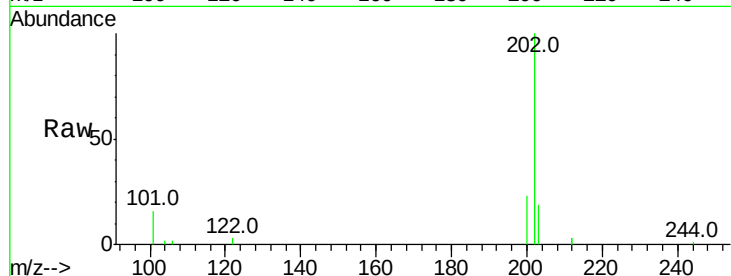




#28
 Pvrene
 Concen: 0.096 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

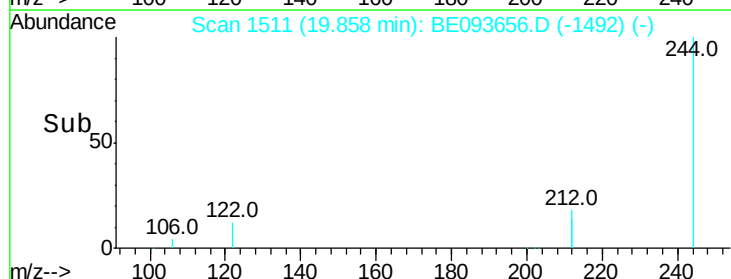
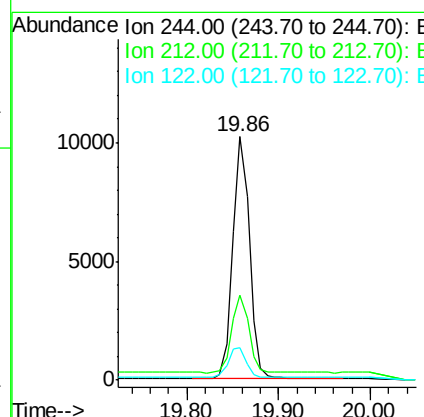
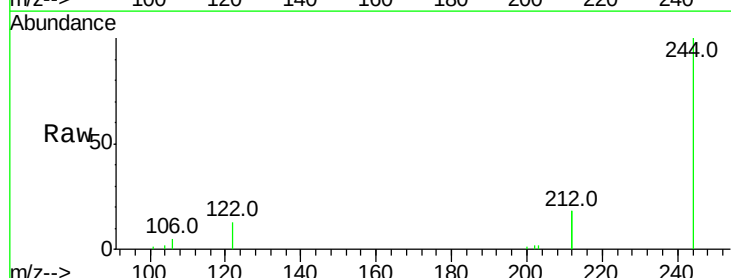
Instrument :
 BNA_E
 ClientSampleId :

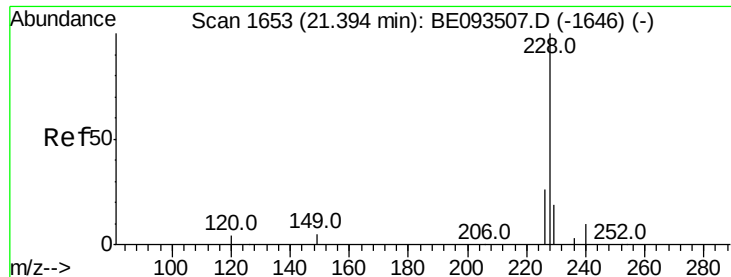
Tot Ion:202 Resp: 8367
 Ion Ratio Lower Upper
 202 100
 200 20.8 0.0 0.0#
 203 20.2 13.7 20.5



#29
 Terphenyl-d14
 Concen: 0.265 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Tgt Ion:244 Resp: 12876
 Ion Ratio Lower Upper
 244 100
 212 35.1 10.6 16.0#
 122 13.2 15.4 23.0#





#30

Benzo(a)anthracene

Concen: 0.069 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampleId :

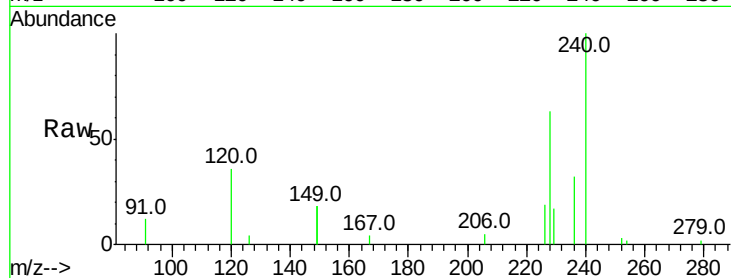
Tot Ion:228 Resp: 5503

Ion Ratio Lower Upper

228 100

226 29.7 19.7 29.5#

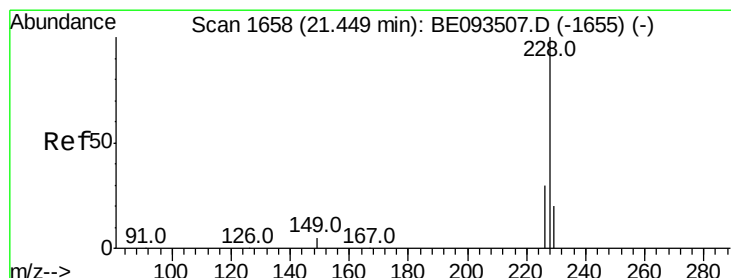
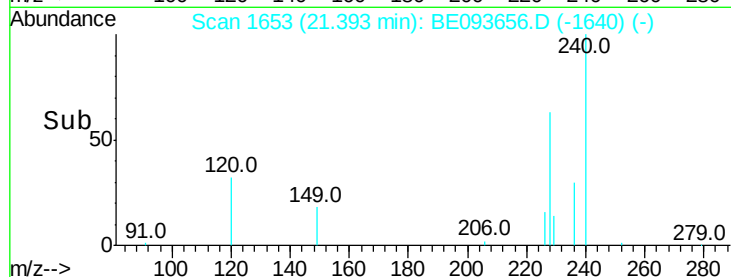
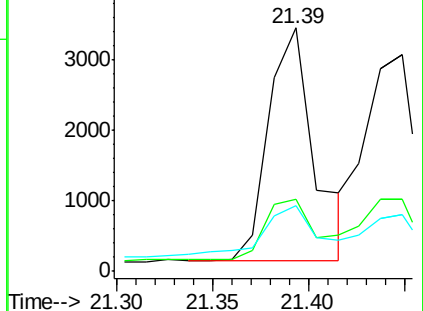
229 27.0 19.2 28.8



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: 0.062 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.06 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

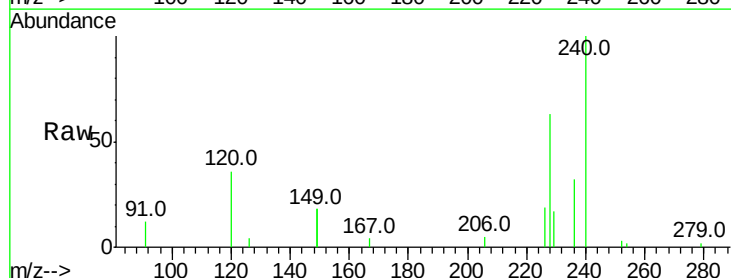
Tgt Ion:228 Resp: 5503

Ion Ratio Lower Upper

228 100

226 29.7 21.5 32.3

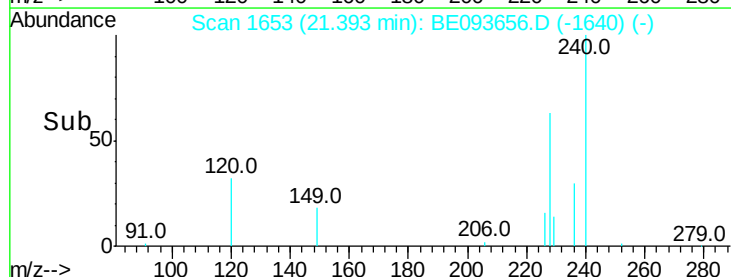
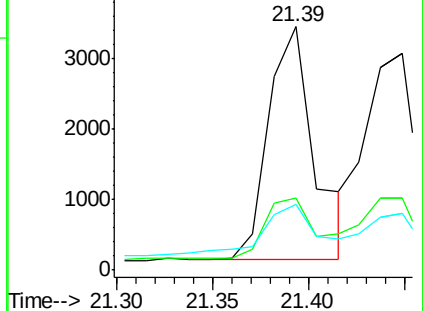
229 27.0 18.6 28.0

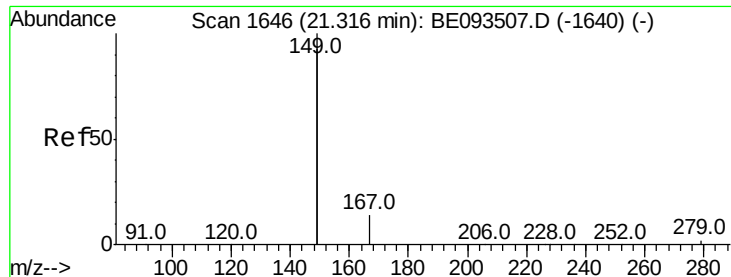


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.326 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampleId :

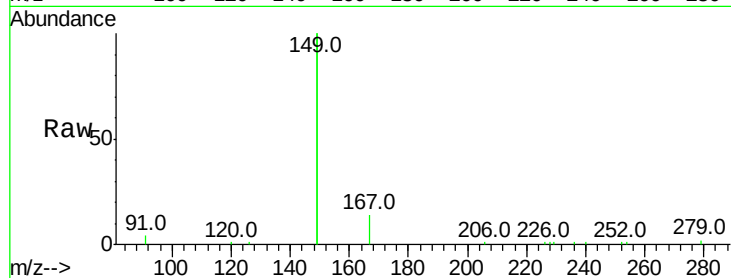
Tot Ion:149 Resp: 35315

Ion Ratio Lower Upper

149 100

167 6.8 4.8 7.2

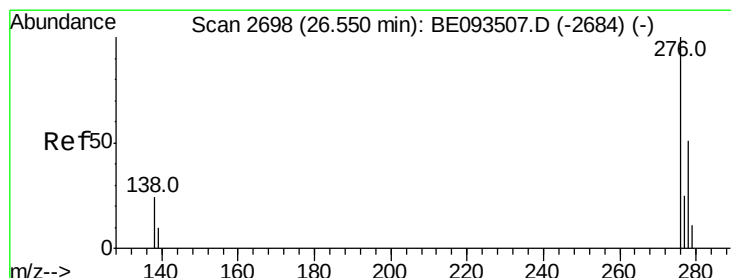
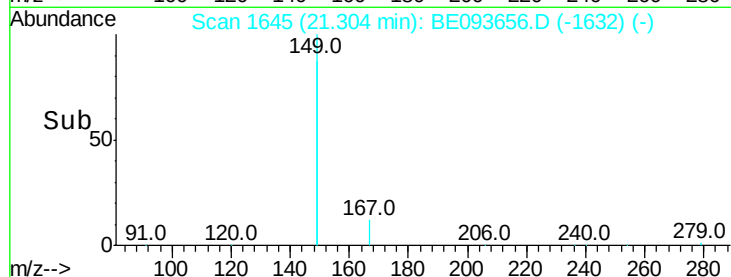
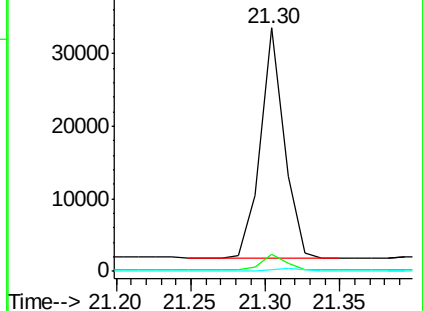
279 1.0 0.8 1.2



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: 0.042 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

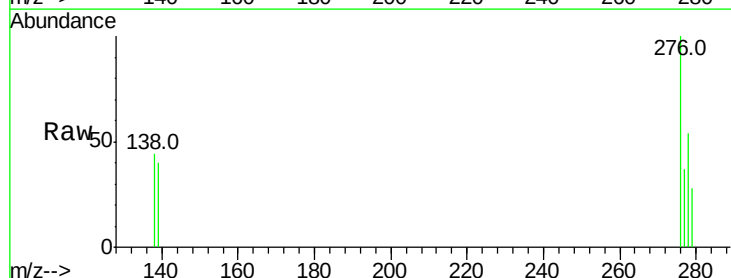
Tgt Ion:276 Resp: 3403

Ion Ratio Lower Upper

276 100

138 27.7 27.4 41.2

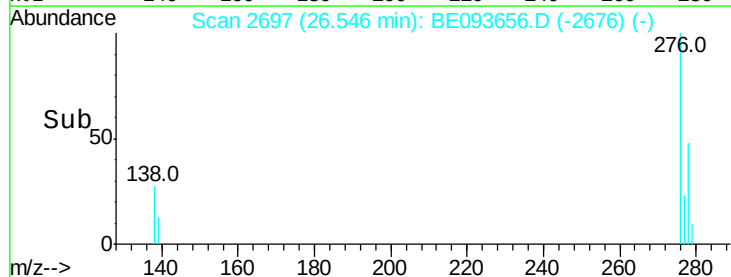
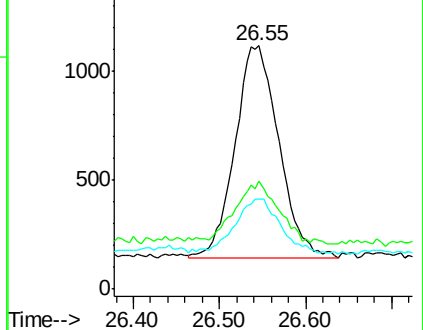
277 25.9 20.1 30.1

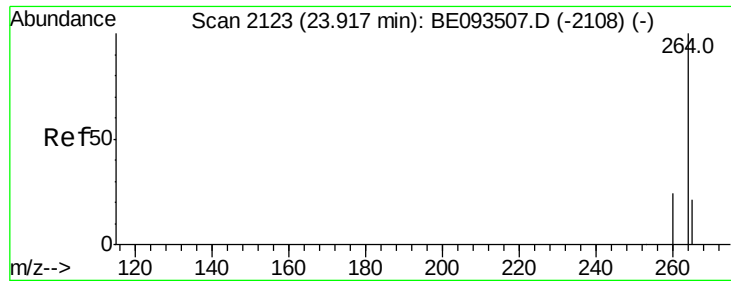


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

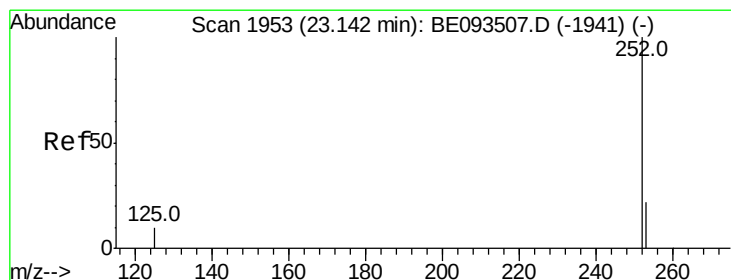
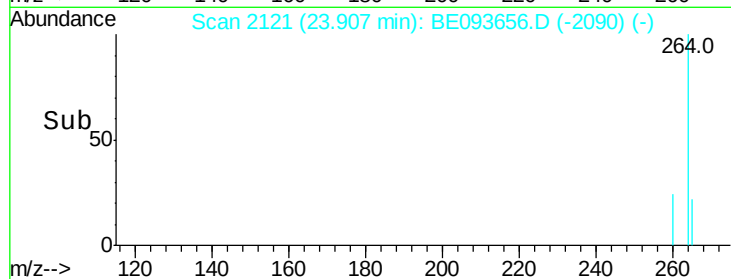
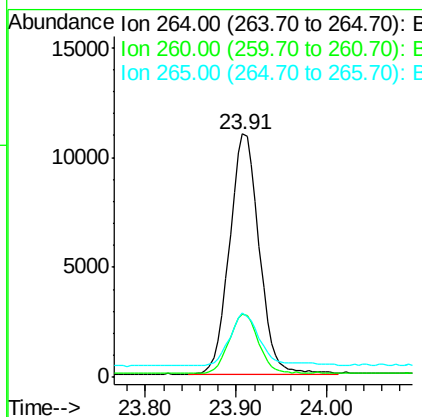
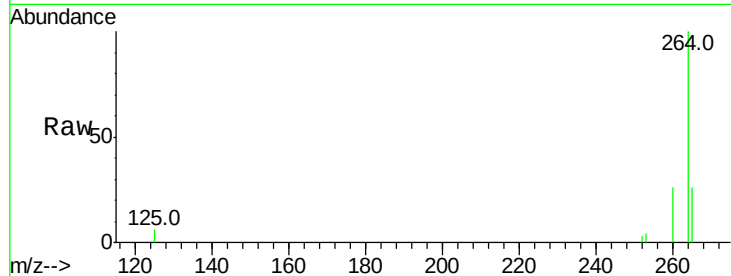




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

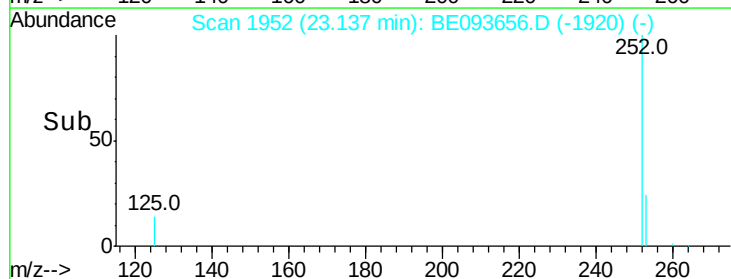
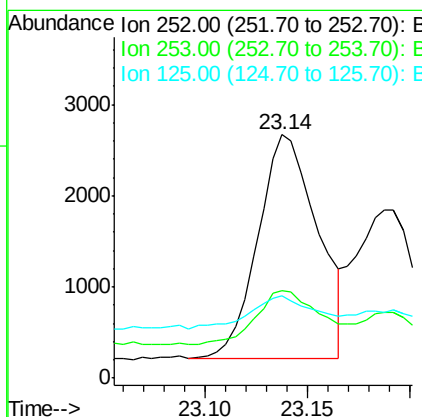
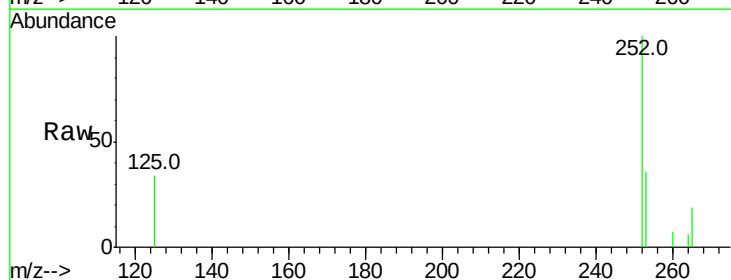
Instrument :
 BNA_E
 ClientSampled :

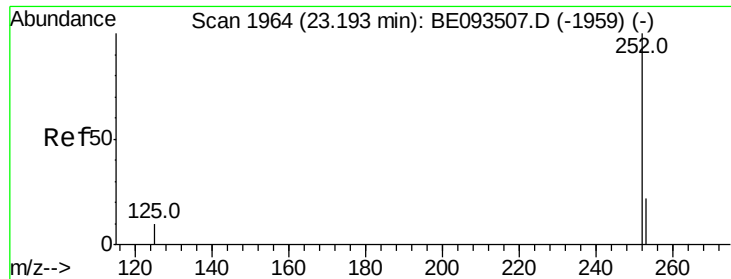
Tot Ion:264 Resp: 24665
 Ion Ratio Lower Upper
 264 100
 260 25.8 21.0 31.4
 265 26.2 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.057 ng
 RT: 23.14 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Tgt Ion:252 Resp: 4999
 Ion Ratio Lower Upper
 252 100
 253 35.8 18.5 27.7#
 125 33.8 13.4 20.0#

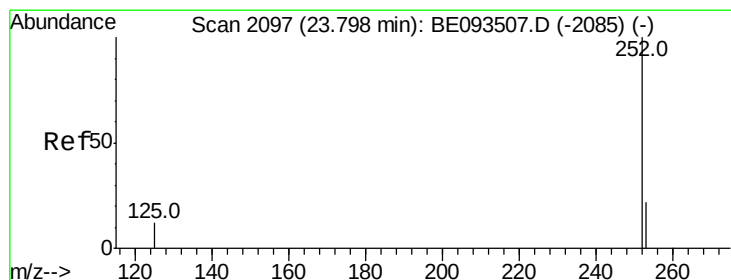
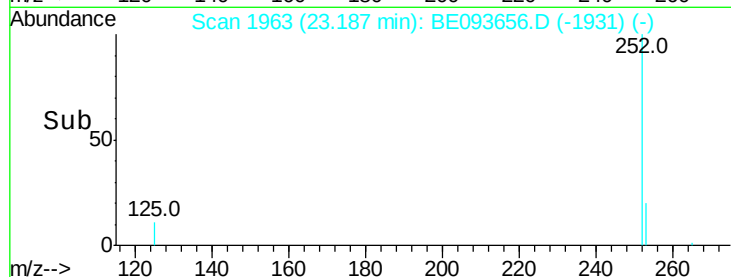
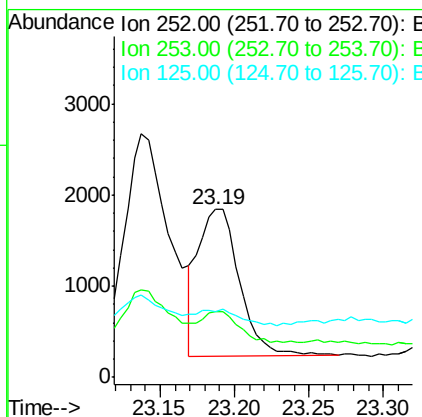
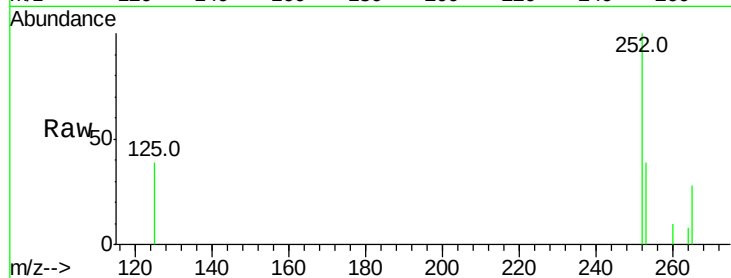




#36
Benzo(k)fluoranthene
Concen: 0.034 ng
RT: 23.19 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

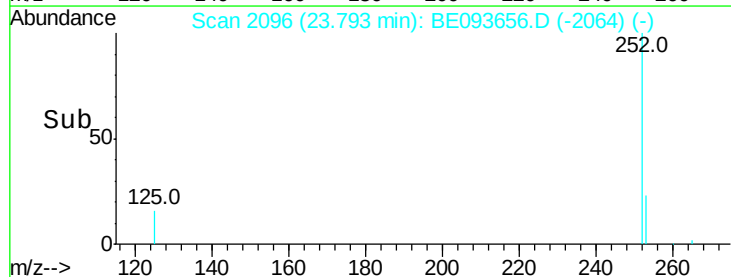
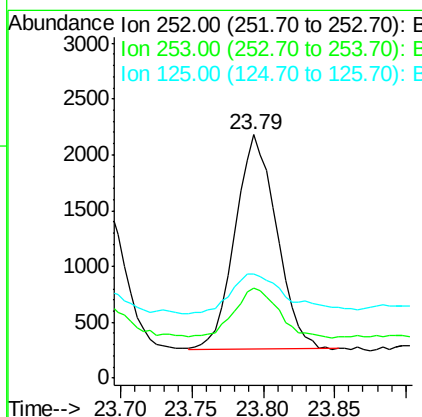
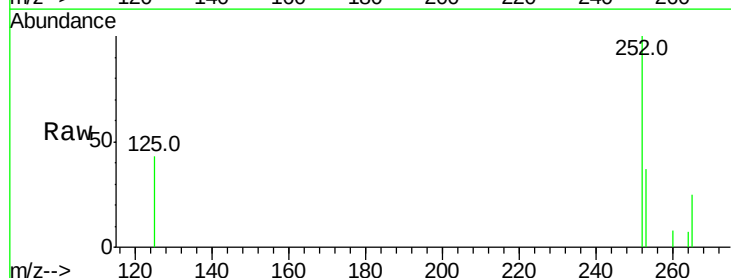
Instrument :
BNA_E
ClientSampleId :

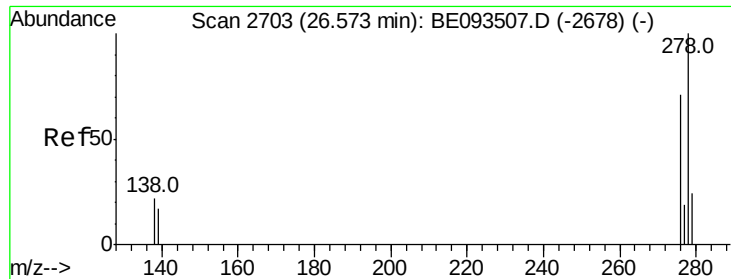
Tot Ion:252 Resp: 3089
Ion Ratio Lower Upper
252 100
253 39.2 20.3 30.5#
125 39.5 12.2 18.4#



#37
Benzo(a)pyrene
Concen: 0.049 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion:252 Resp: 3919
Ion Ratio Lower Upper
252 100
253 37.0 19.9 29.9#
125 42.5 14.6 21.8#

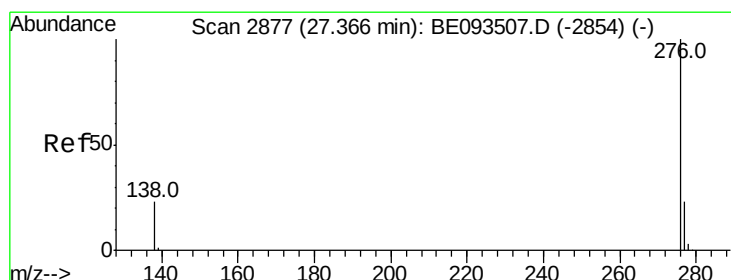
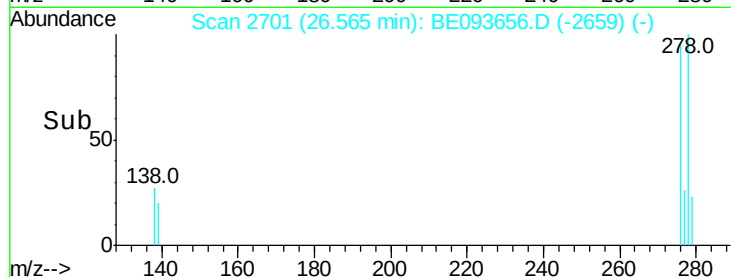
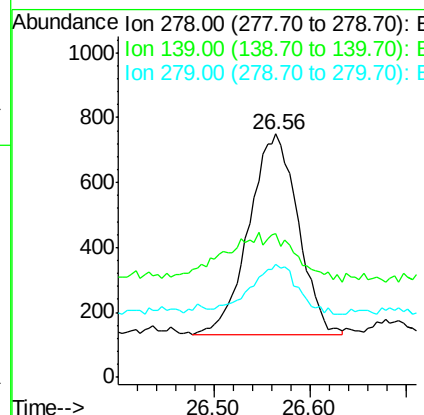
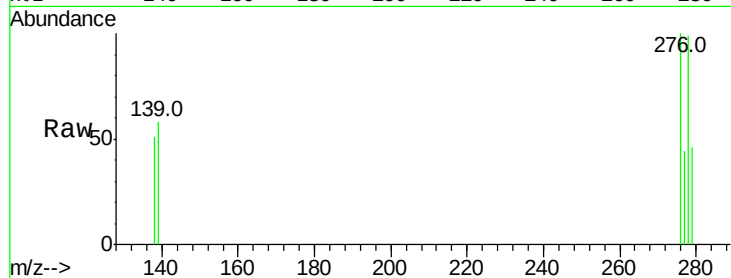




#38
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 26.56 min Scan# 2701
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 2176
Ion Ratio Lower Upper
278 100
139 58.9 21.4 32.0#
279 46.5 22.2 33.2#



#39
Benzo(g,h,i)perylene
Concen: 0.044 ng
RT: 27.36 min Scan# 2875
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion:276 Resp: 3441
Ion Ratio Lower Upper
276 100
277 35.0 21.2 31.8#
138 39.3 24.5 36.7#

