

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082817\
 Data File : BE093890.D
 Acq On : 28 Aug 2017 10:12
 Operator : SJ/JU
 Sample : I4974-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 28 11:49:43 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 11:26:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1810	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	8868	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	5443	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	16342	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14705	0.40	ng	-0.01
34) Perylene-d12	23.92	264	12541	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	909	0.16	ng	0.00
5) Phenol-d6	7.09	99	888	0.10	ng	0.00
8) Nitrobenzene-d5	9.06	82	2697	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	4922	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	669	0.46	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	7217	0.33	ng	-0.01
25) Fluoranthene-d10	19.27	212	60616	0.32	ng	0.00
29) Terphenyl-d14	19.86	244	12890	0.48	ng	0.00

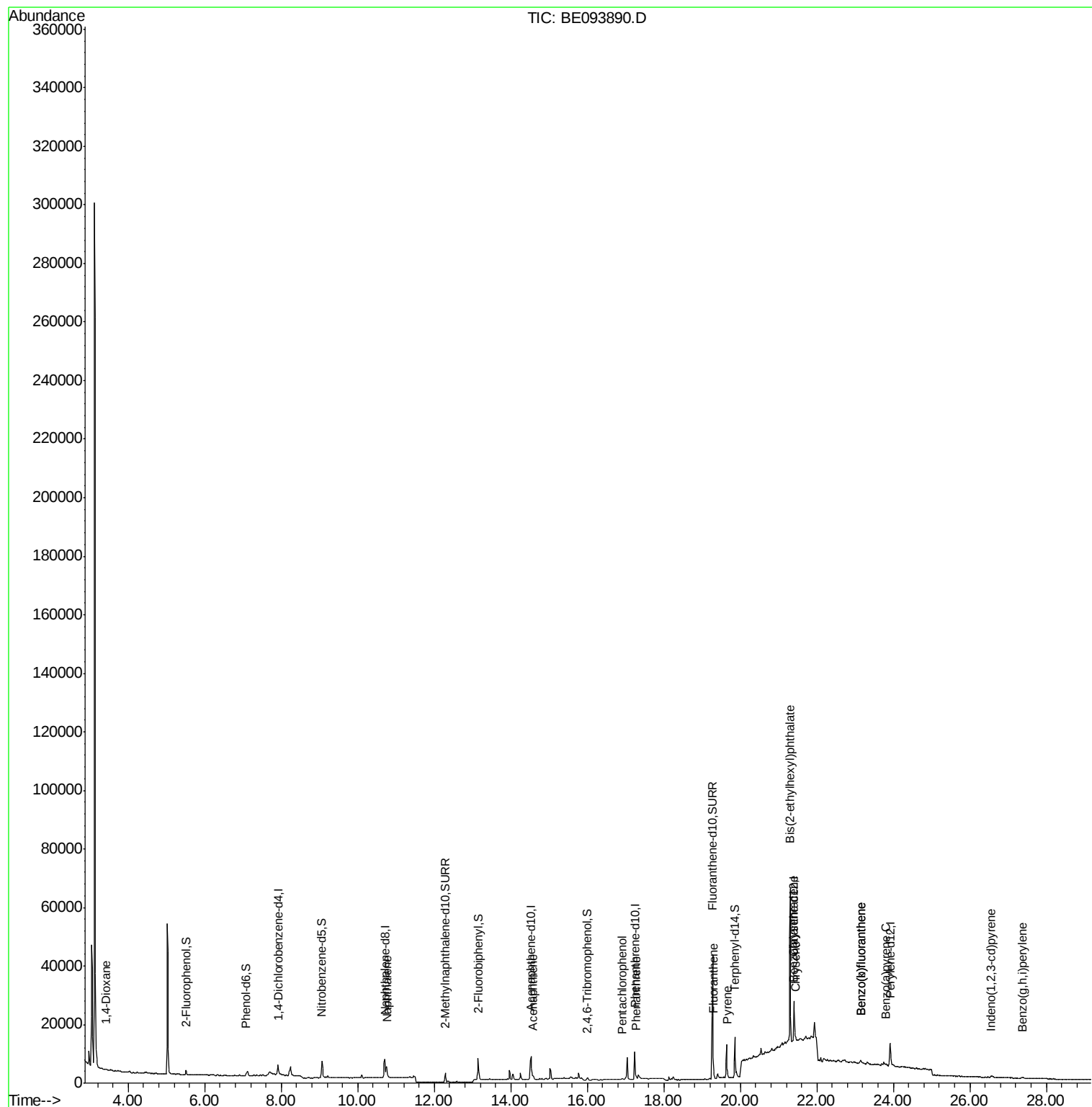
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.43	88	197	0.079	ng	# 14
9) Naphthalene	10.76	128	7028	0.070	ng	# 97
17) Acenaphthene	14.59	154	754	0.042	ng	# 98
21) Hexachlorobenzene	16.55	284	10	Below Cal		# 100
22) Pentachlorophenol	16.91	266	313	0.122	ng	# 92
23) Phenanthrene	17.27	178	1707	0.041	ng	# 91
26) Fluoranthene	19.30	202	1944	0.034	ng	# 85
28) Pyrene	19.66	202	2155	0.044	ng	# 93
30) Benzo(a)anthracene	21.39	228	1122	0.026	ng	# 51
31) Chrysene	21.45	228	1260	0.026	ng	# 58
32) Bis(2-ethylhexyl)phthalate	21.30	149	63165	0.686	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.56	276	804	0.024	ng	# 75
35) Benzo(b)fluoranthene	23.15	252	1324	0.033	ng	# 1
36) Benzo(k)fluoranthene	23.15	252	1324	0.029	ng	# 1
37) Benzo(a)pyrene	23.81	252	898	0.023	ng	# 1
39) Benzo(g,h,i)perylene	27.38	276	731	0.024	ng	# 1

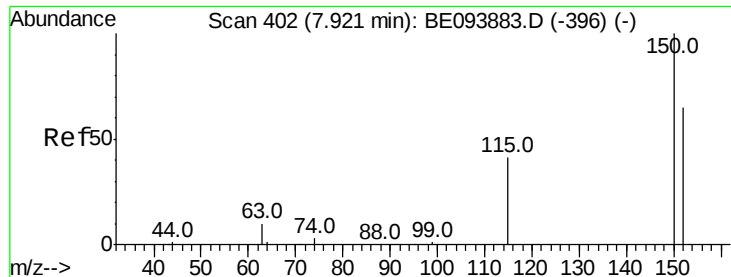
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082817\
Data File : BE093890.D
Acq On : 28 Aug 2017 10:12
Operator : SJ/JU
Sample : I4974-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 28 11:49:43 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 11:26:07 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampled :

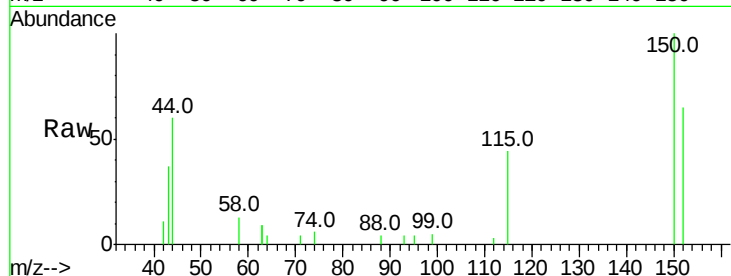
Tot Ion:152 Resp: 1810

Ion Ratio Lower Upper

152 100

150 152.7 121.8 182.6

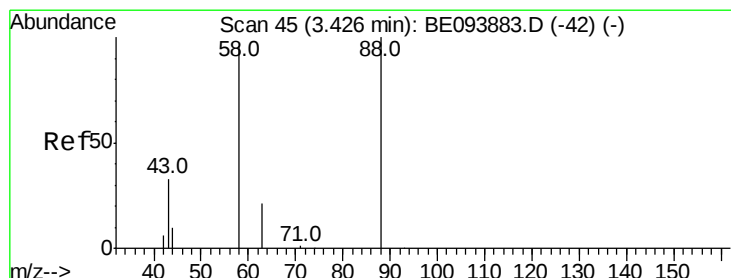
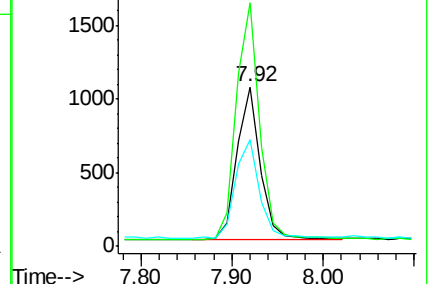
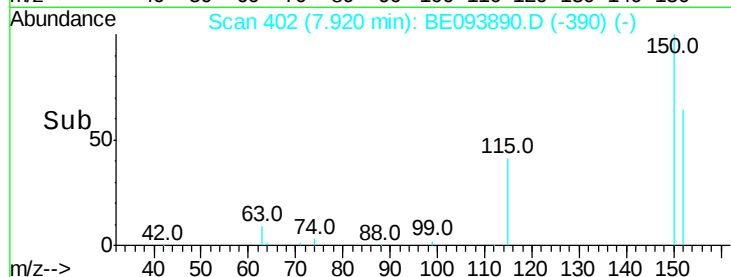
115 67.0 52.6 79.0



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



#2

1,4-Dioxane

Concen: 0.079 ng

RT: 3.43 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

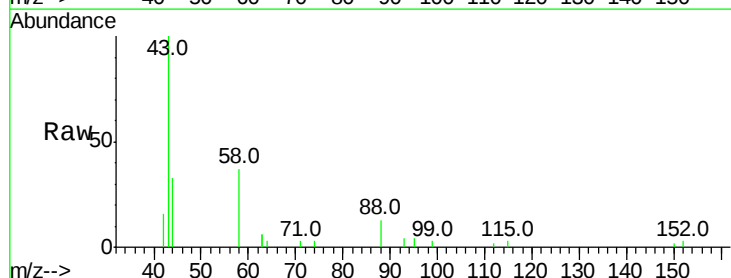
Tgt Ion: 88 Resp: 197

Ion Ratio Lower Upper

88 100

58 168.5 65.4 98.0#

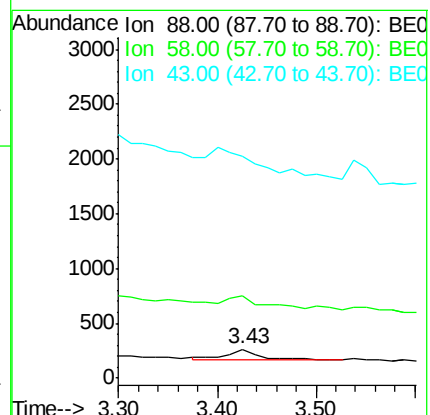
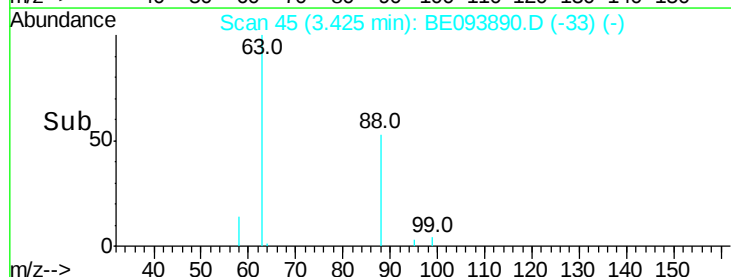
43 0.0 23.9 35.9#

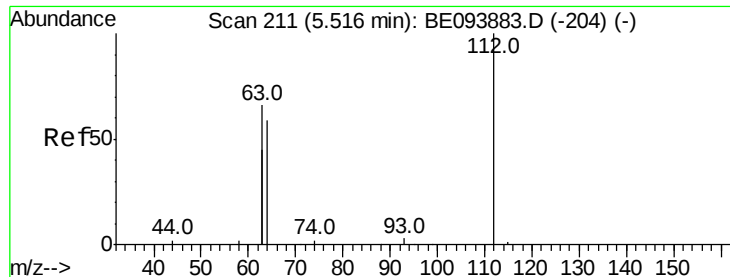


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.163 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampled :

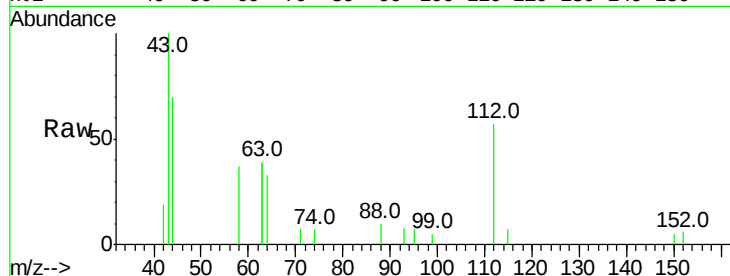
Tot Ion:112 Resp: 909

Ion Ratio Lower Upper

112 100

64 71.4 57.7 86.5

63 154.3 116.0 174.0

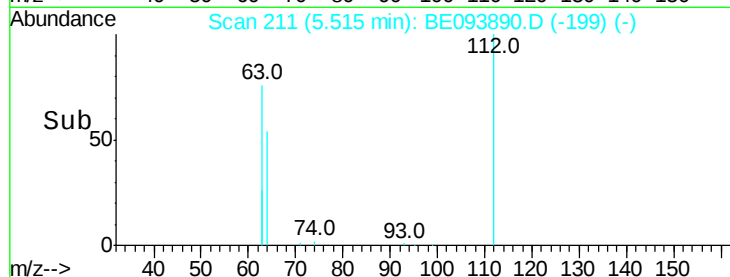


Abundance Ion 112.00 (111.70 to 112.70): BE0

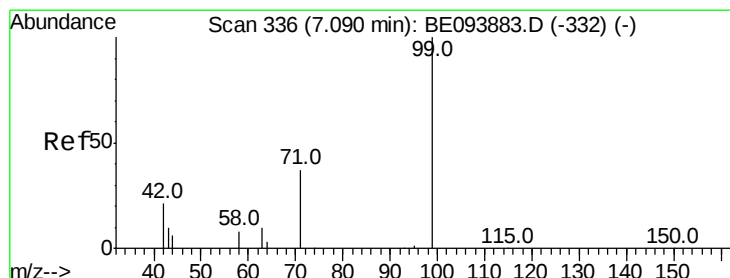
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



Time-->



#5

Phenol-d6

Concen: 0.104 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

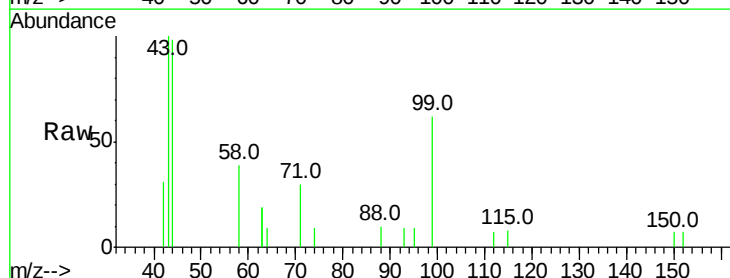
Tgt Ion: 99 Resp: 888

Ion Ratio Lower Upper

99 100

42 24.3 17.1 25.7

71 36.9 26.6 39.8

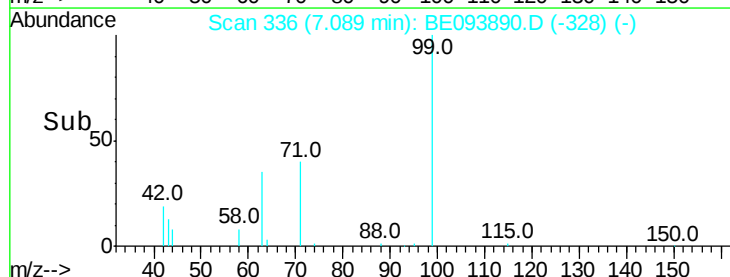


Abundance Ion 99.00 (98.70 to 99.70): BE0

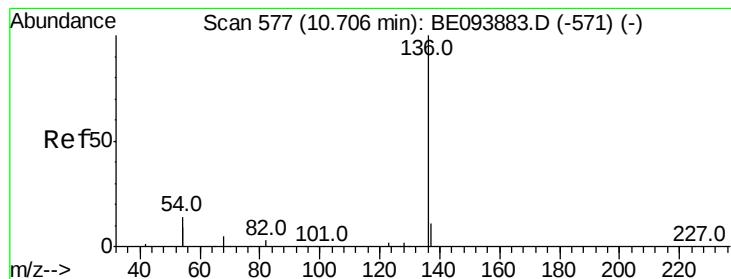
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 8868

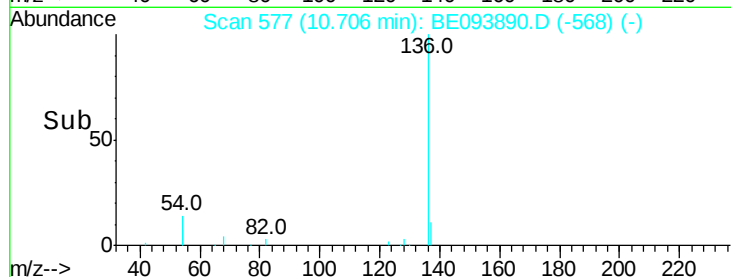
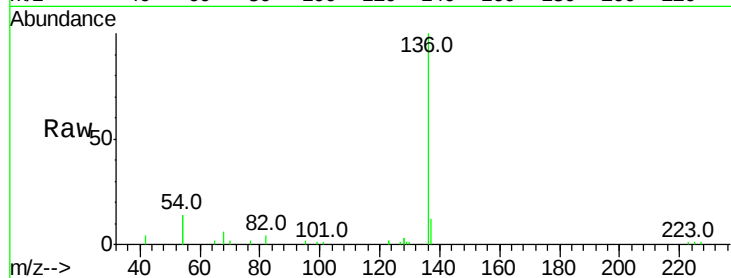
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 27.3 21.9 32.9

68 5.9 4.6 7.0

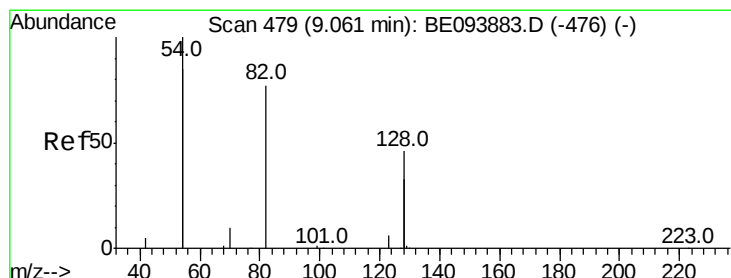
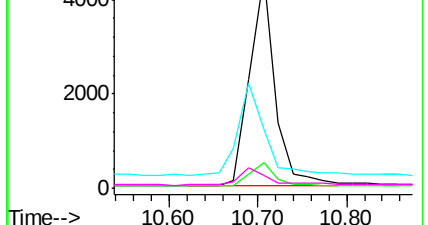


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.365 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

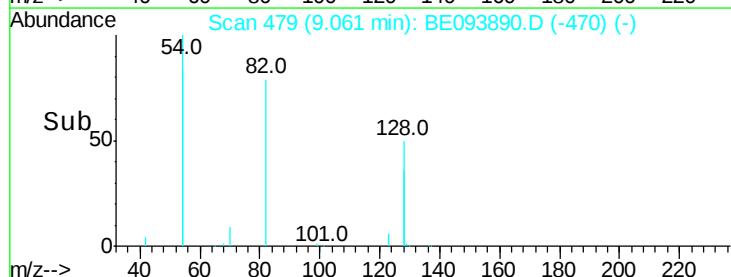
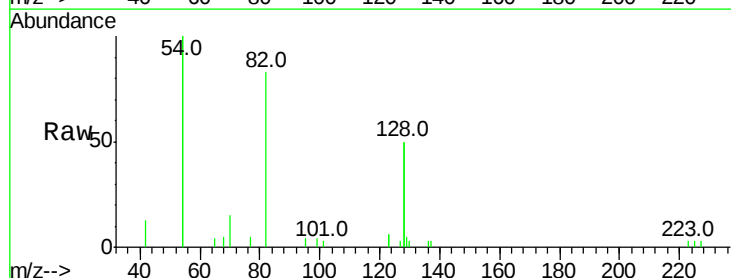
Tgt Ion: 82 Resp: 2697

Ion Ratio Lower Upper

82 100

128 119.5 91.4 137.0

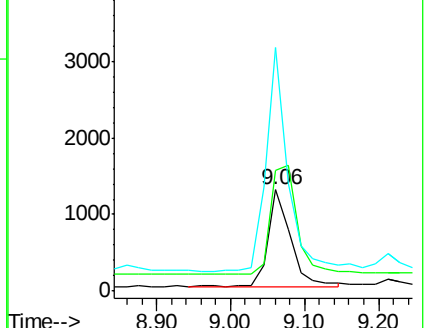
54 240.0 197.8 296.8

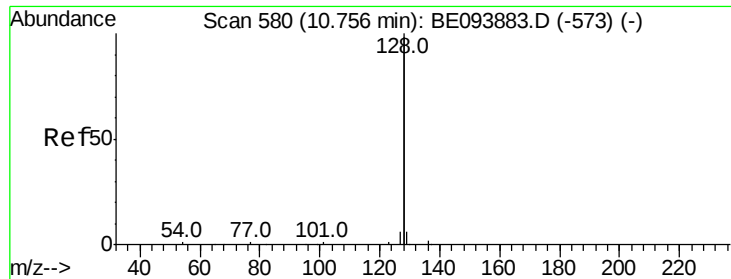


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.070 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

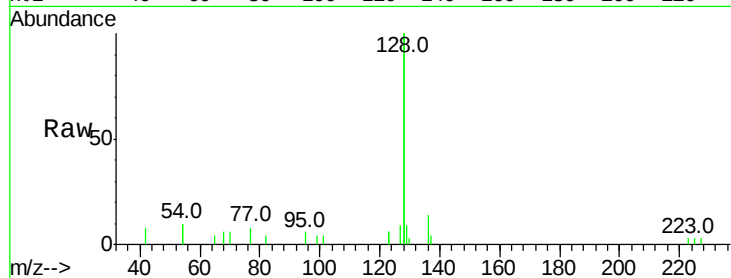
Tot Ion:128 Resp: 7028

Ion Ratio Lower Upper

128 100

129 4.3 2.5 3.7#

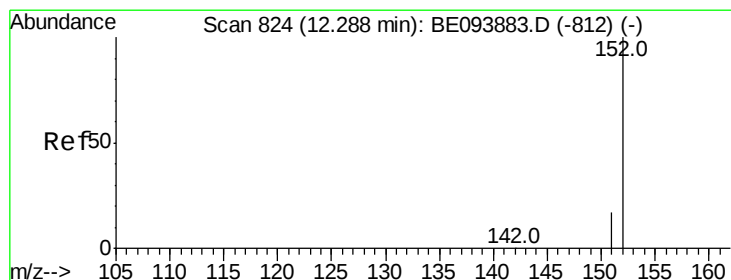
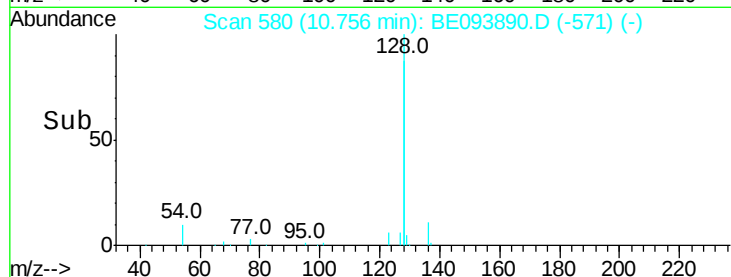
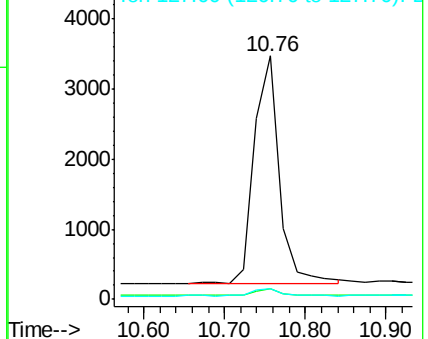
127 4.3 2.6 4.0#



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



#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BE093890.D

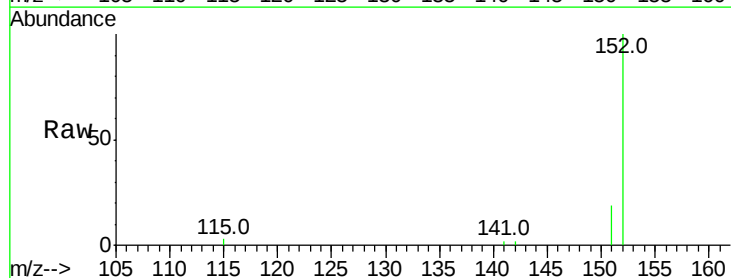
Acq: 28 Aug 2017 10:12

Tgt Ion:152 Resp: 4922

Ion Ratio Lower Upper

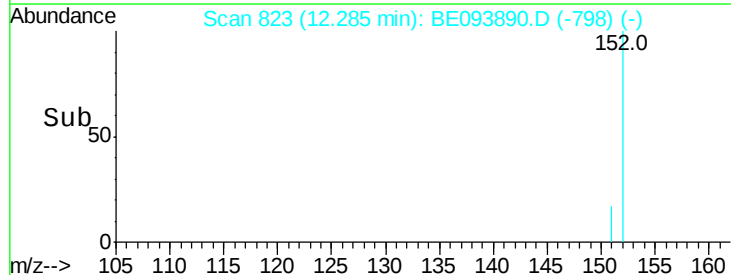
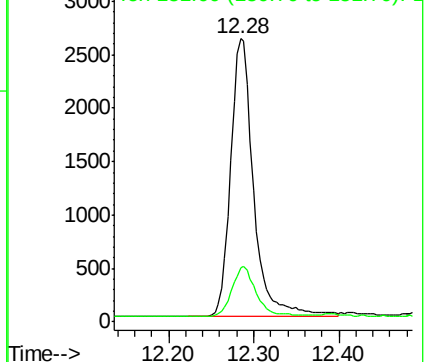
152 100

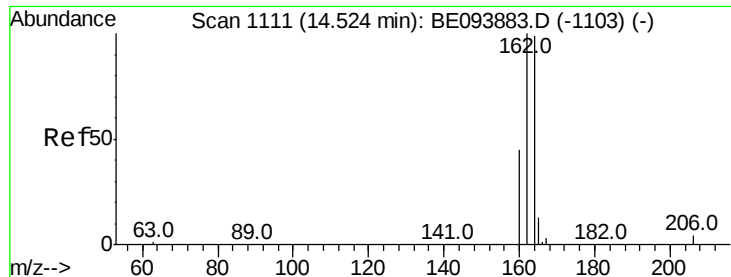
151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

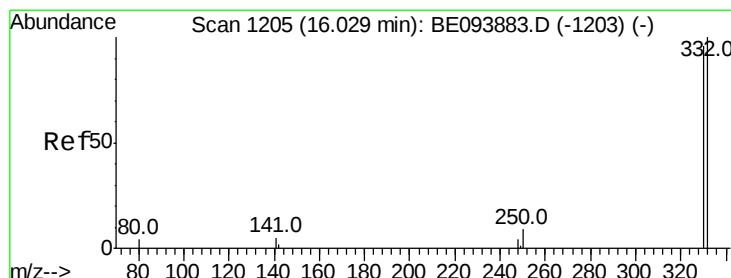
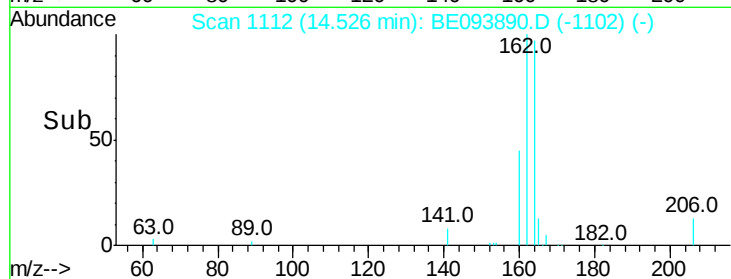
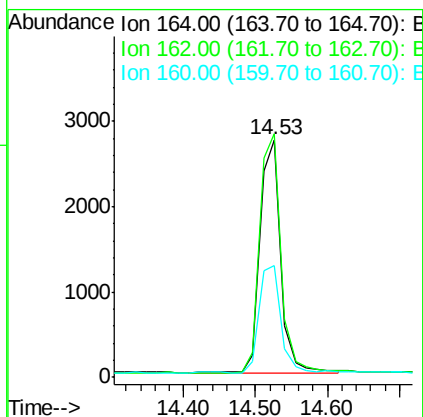
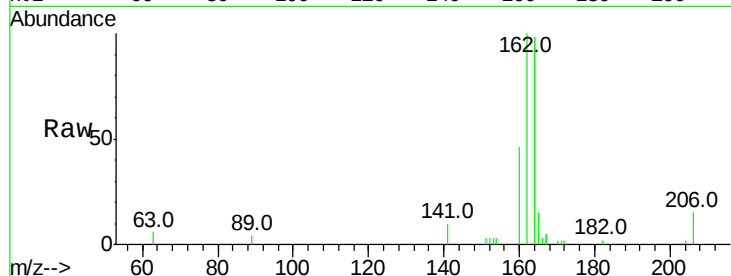




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE093890.D
 Acq: 28 Aug 2017 10:12

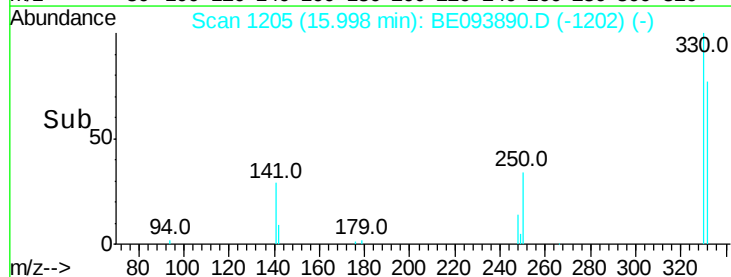
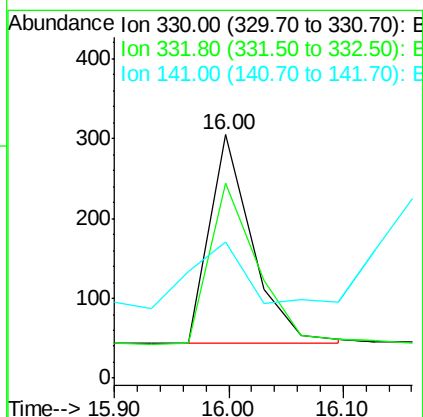
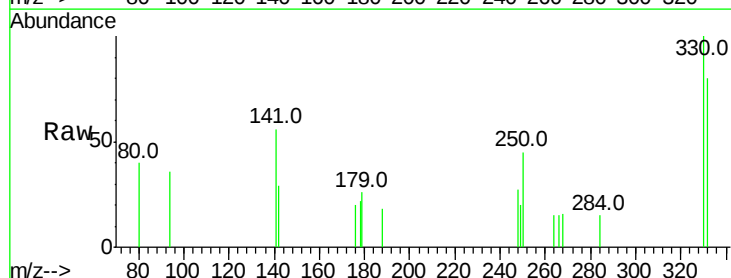
Instrument :
 BNA_E
 ClientSampleId :

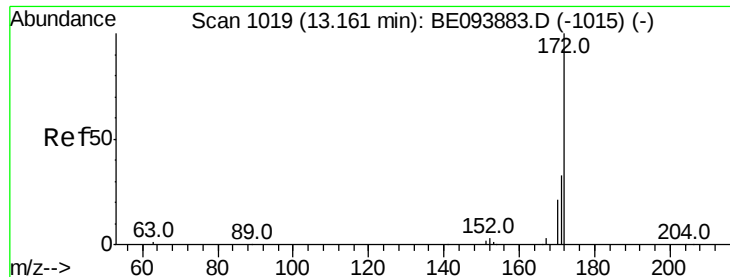
Tot Ion:164 Resp: 5443
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.8 121.2
 160 46.8 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.459 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BE093890.D
 Acq: 28 Aug 2017 10:12

Tgt Ion:330 Resp: 669
 Ion Ratio Lower Upper
 330 100
 332 85.4 76.9 115.3
 141 0.0 0.0 0.0

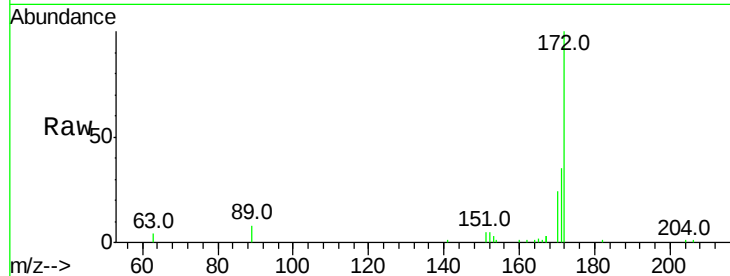




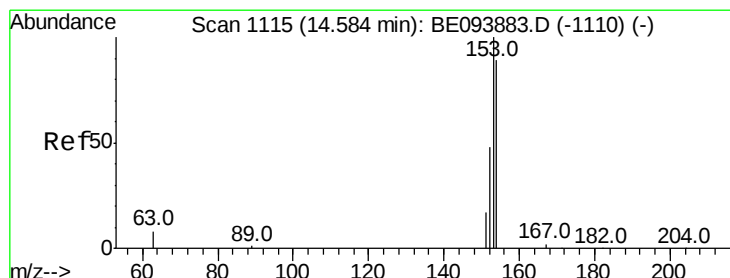
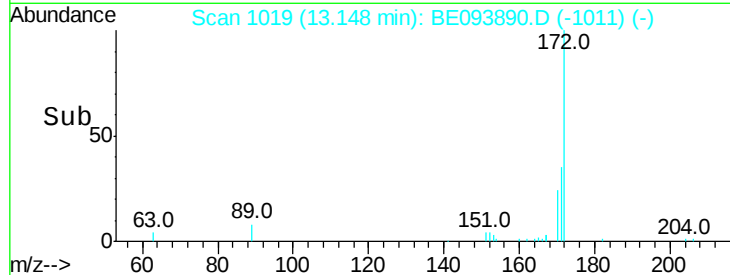
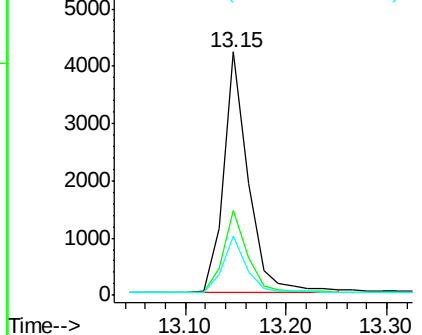
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093890.D
Acq: 28 Aug 2017 10:12

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 7217
Ion Ratio Lower Upper
172 100
171 35.0 26.9 40.3
170 24.4 17.3 25.9

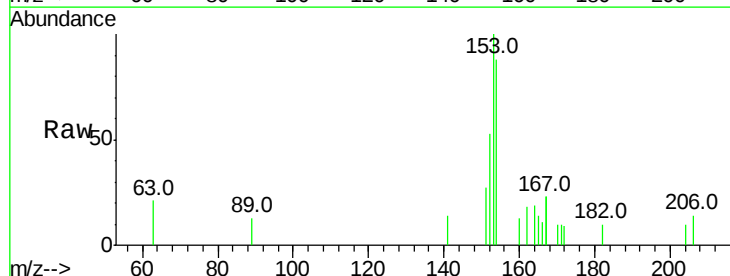


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

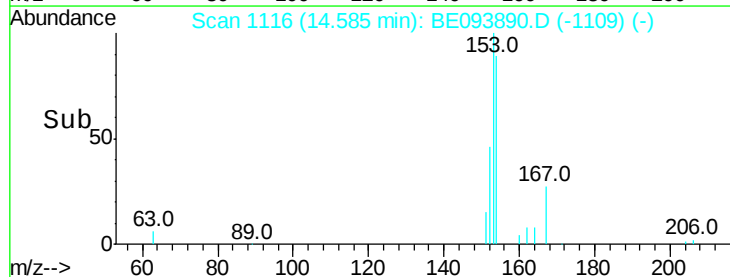
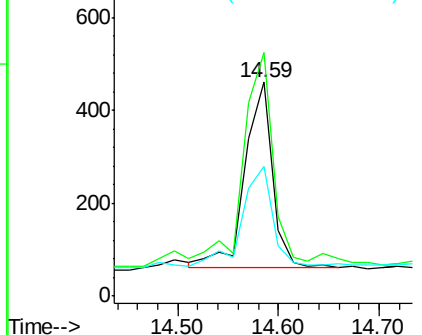


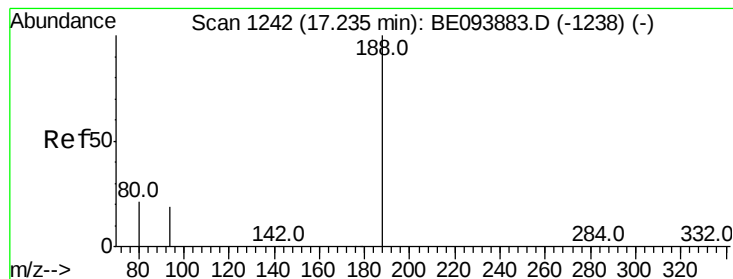
#17
Acenaphthene
Concen: 0.042 ng
RT: 14.59 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093890.D
Acq: 28 Aug 2017 10:12

Tgt Ion:154 Resp: 754
Ion Ratio Lower Upper
154 100
153 115.3 91.8 137.6
152 59.7 44.9 67.3



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampled :

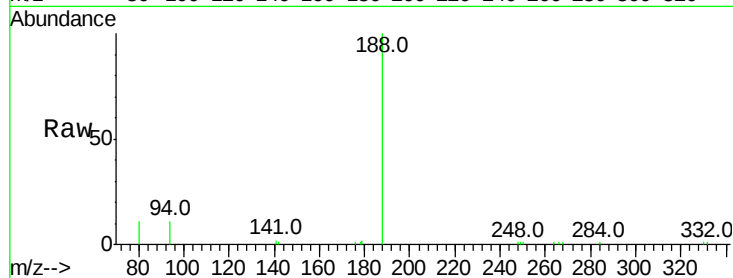
Tot Ion:188 Resp: 16342

Ion Ratio Lower Upper

188 100

94 11.2 16.1 24.1#

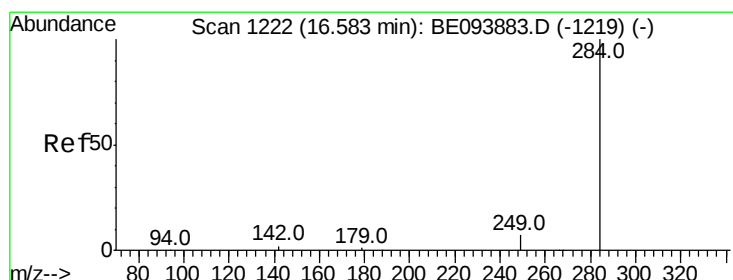
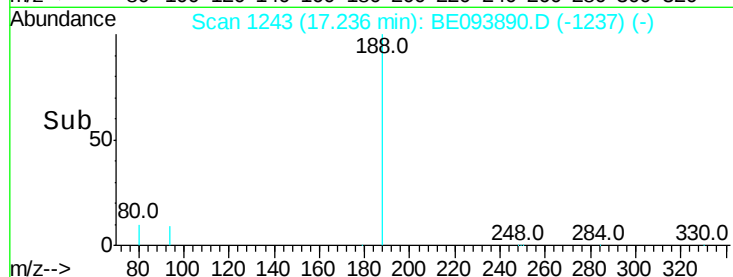
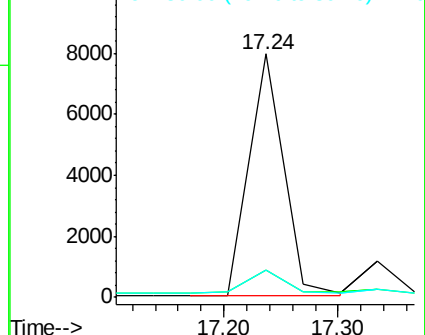
80 11.2 18.2 27.2#



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

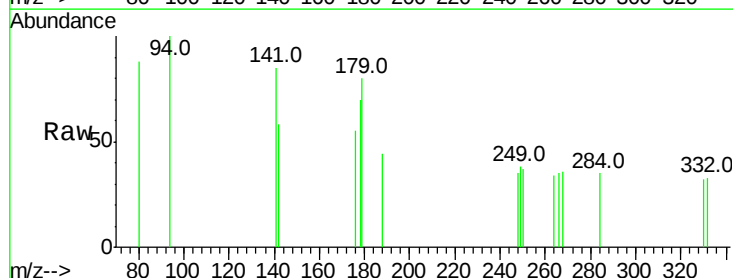
Tgt Ion:284 Resp: 10

Ion Ratio Lower Upper

284 100

142 270.0 0.0 0.0#

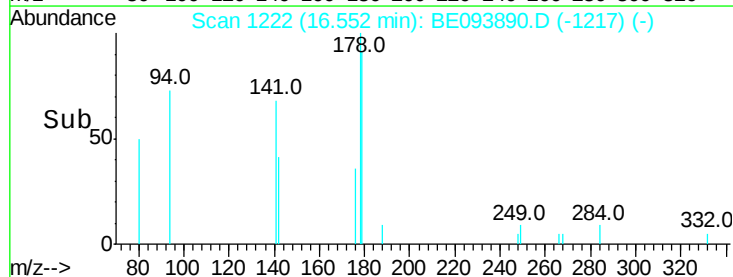
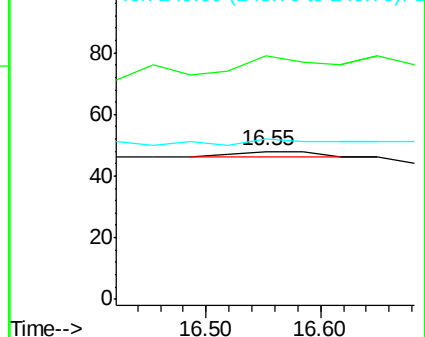
249 80.0 0.0 0.0#

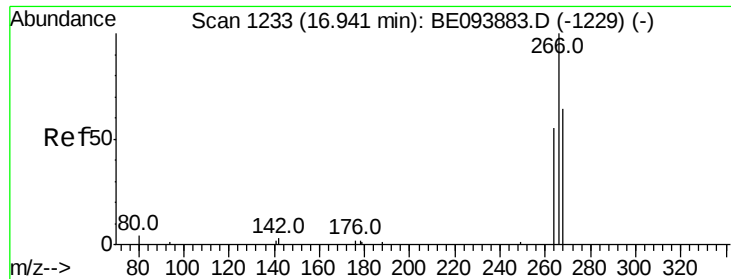


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.122 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

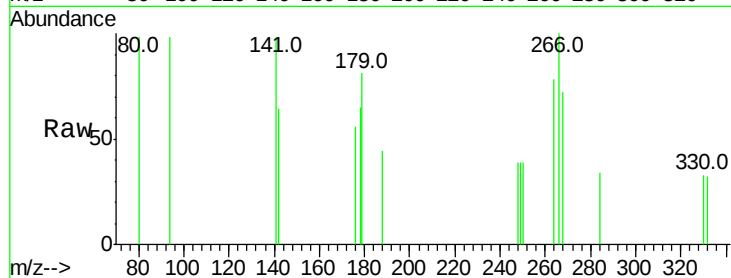
Tot Ion:266 Resp: 313

Ion Ratio Lower Upper

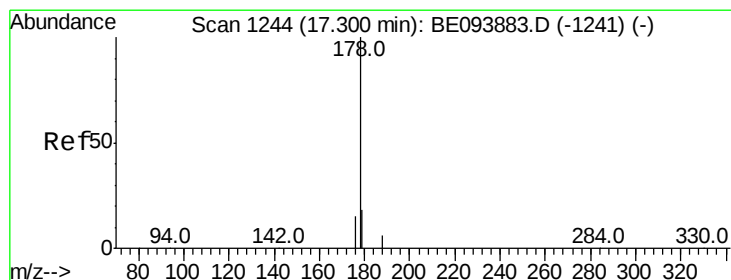
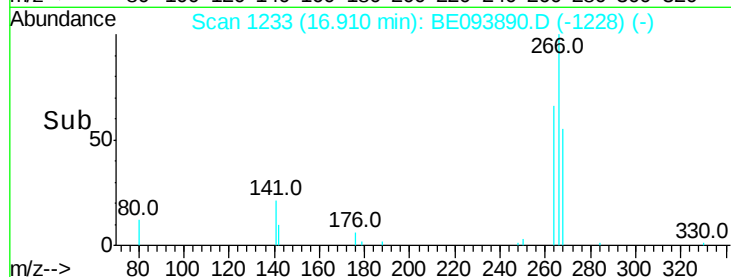
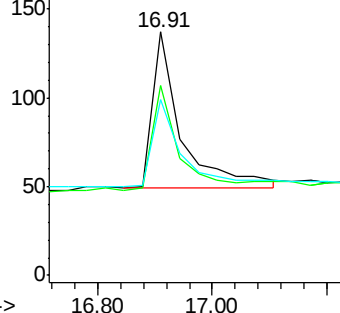
266 100

264 78.1 53.5 80.3

268 72.3 60.0 90.0



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: 0.041 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

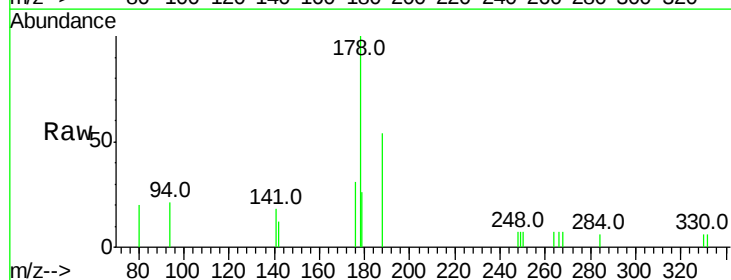
Tgt Ion:178 Resp: 1707

Ion Ratio Lower Upper

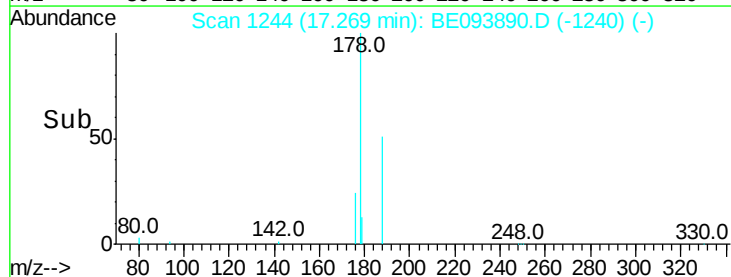
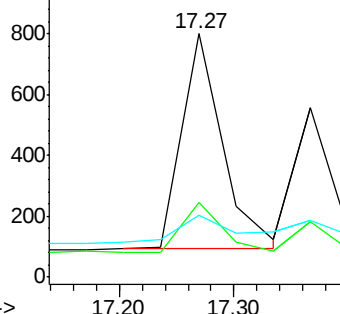
178 100

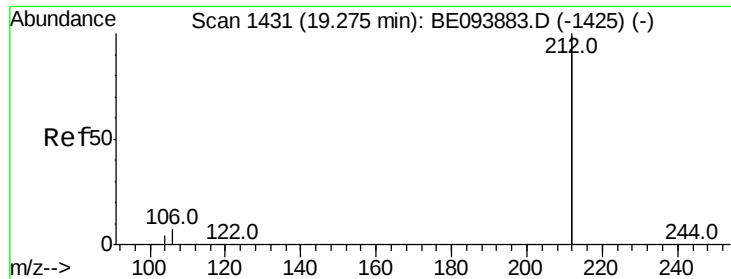
176 23.3 0.0 0.0#

179 19.6 12.6 18.8#



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: 0.322 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

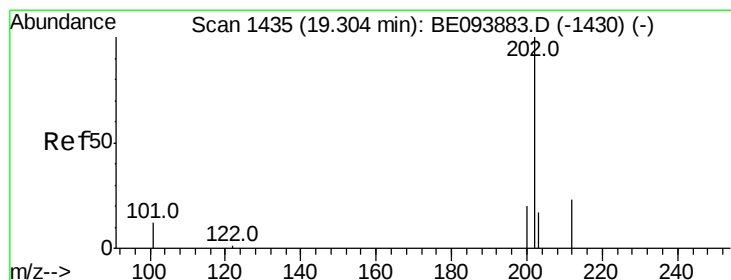
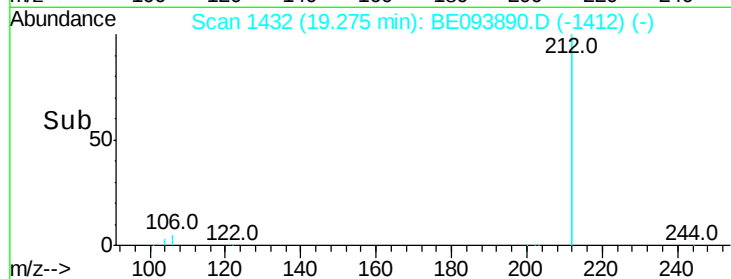
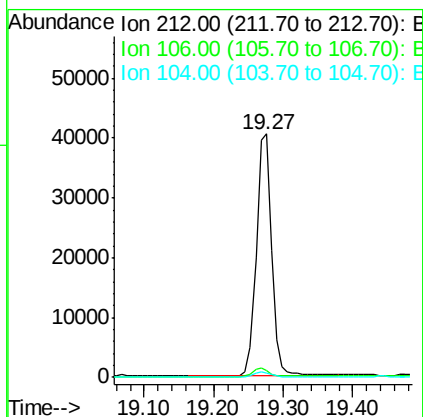
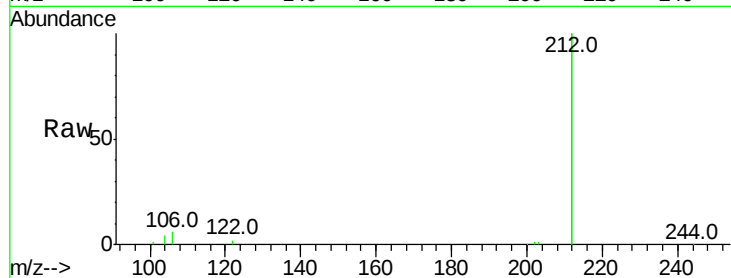
Instrument :

BNA_E

ClientSampleId :

Tot Ion:212 Resp: 60616

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.7	4.1
104	2.3	1.6	2.4



#26

Fluoranthene

Concen: 0.034 ng

RT: 19.30 min Scan# 1435

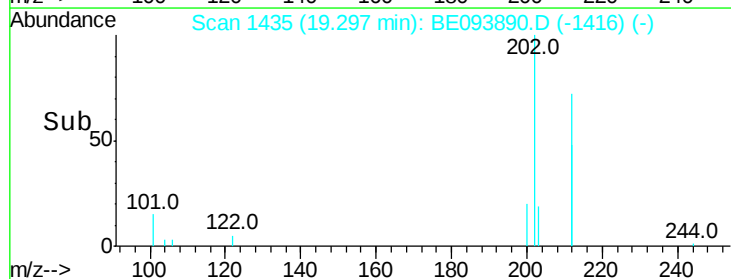
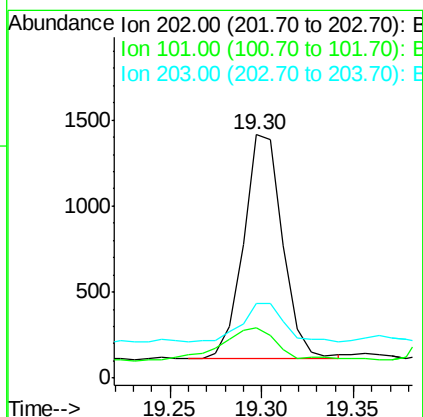
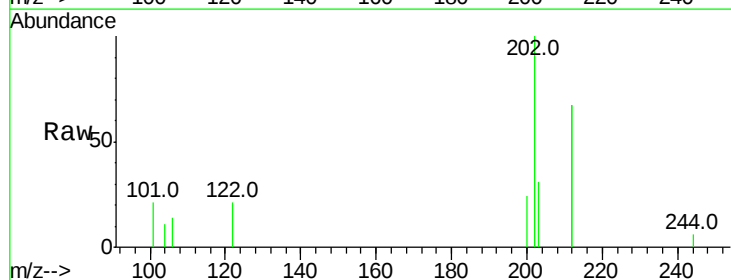
Delta R.T. -0.01 min

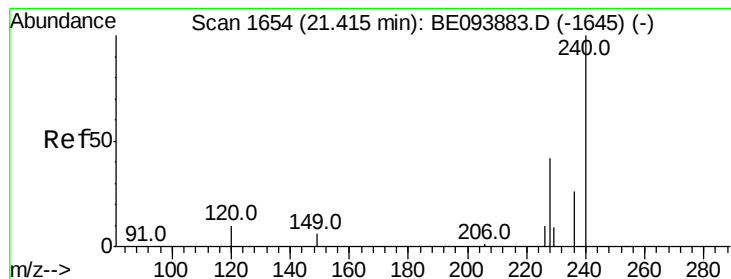
Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Tgt Ion:202 Resp: 1944

Ion	Ratio	Lower	Upper
202	100		
101	24.8	9.7	14.5#
203	17.9	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

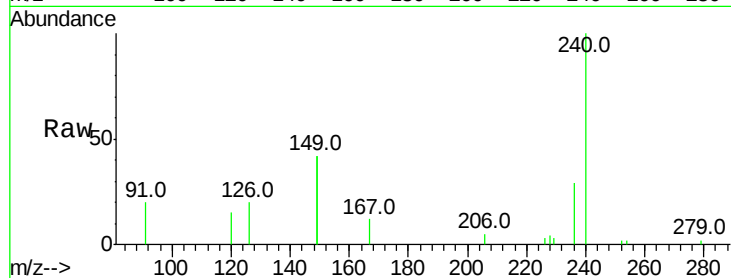
Tot Ion:240 Resp: 14705

Ion Ratio Lower Upper

240 100

120 15.5 8.7 13.1#

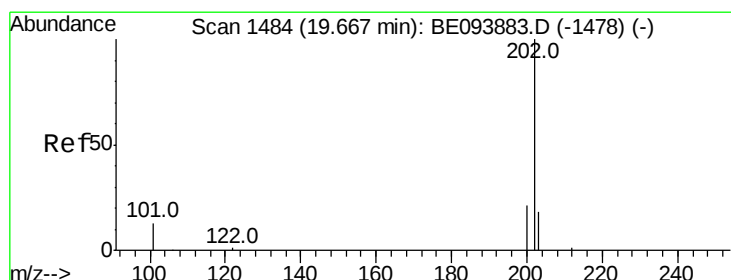
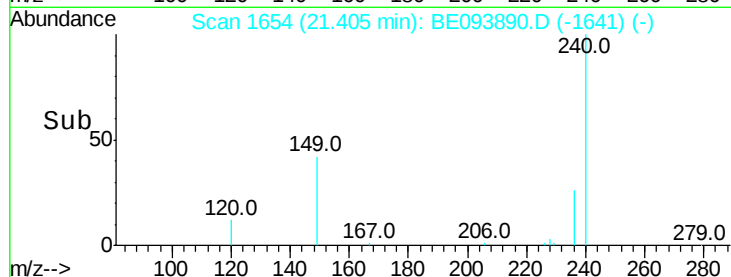
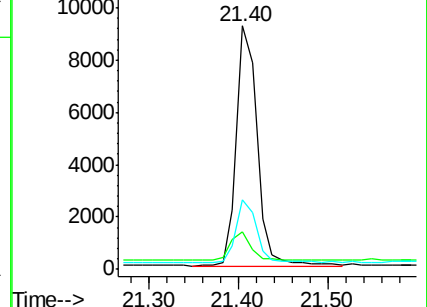
236 28.6 21.3 31.9



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: 0.044 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

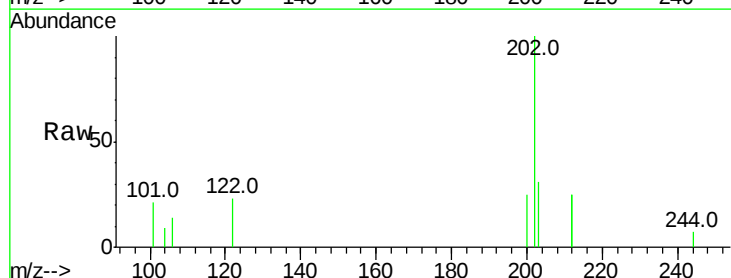
Tgt Ion:202 Resp: 2155

Ion Ratio Lower Upper

202 100

200 21.5 16.6 24.8

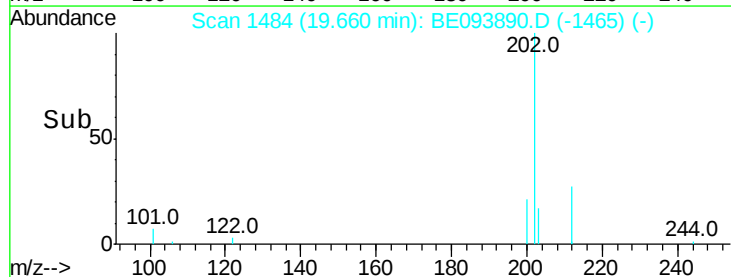
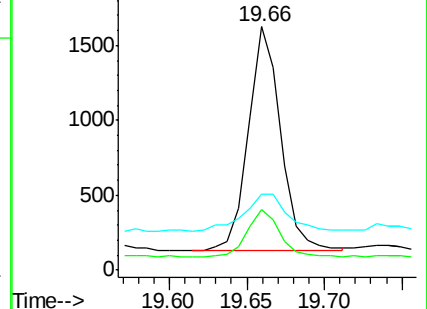
203 23.6 14.2 21.4#

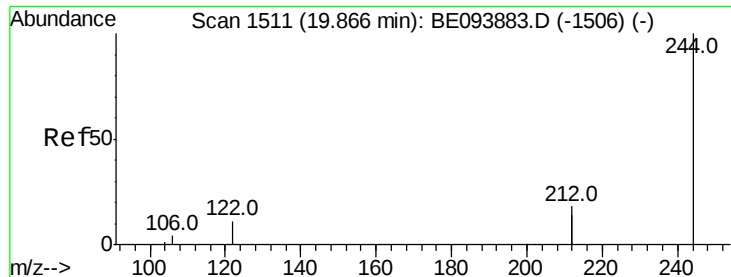


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.484 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

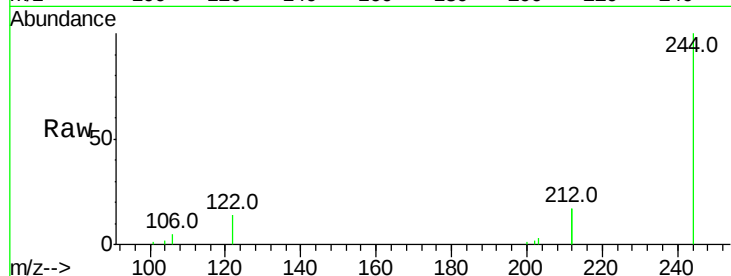
Tot Ion:244 Resp: 12890

Ion Ratio Lower Upper

244 100

212 33.6 28.3 42.5

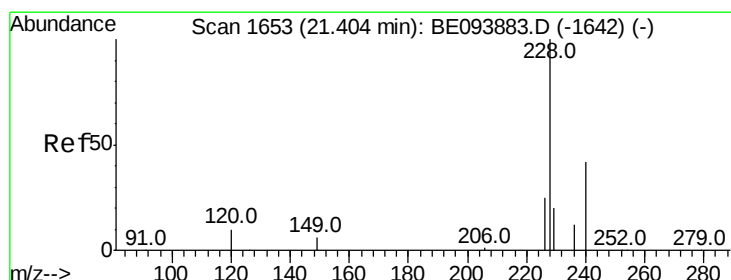
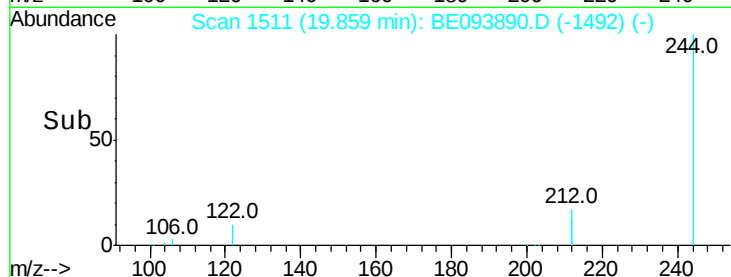
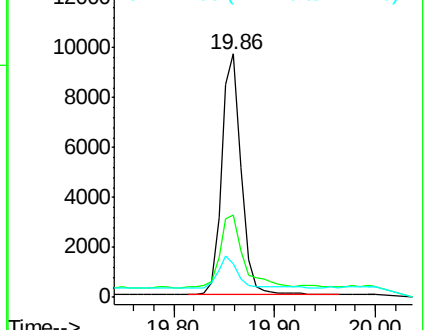
122 13.7 9.4 14.0



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: 0.026 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

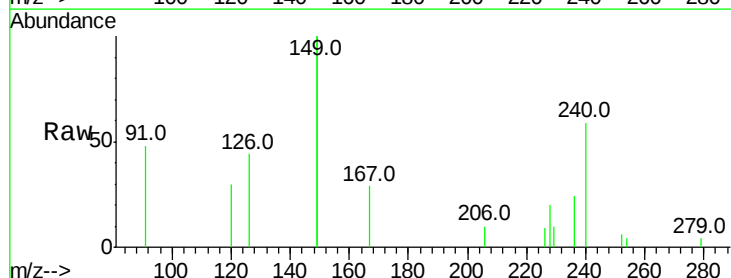
Tgt Ion:228 Resp: 1122

Ion Ratio Lower Upper

228 100

226 44.1 20.8 31.2#

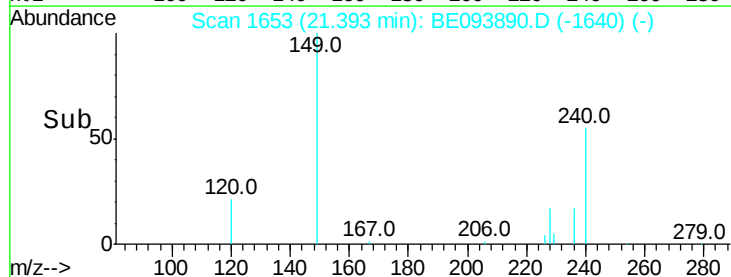
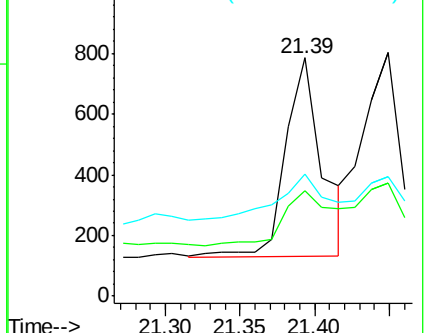
229 51.5 16.6 25.0#

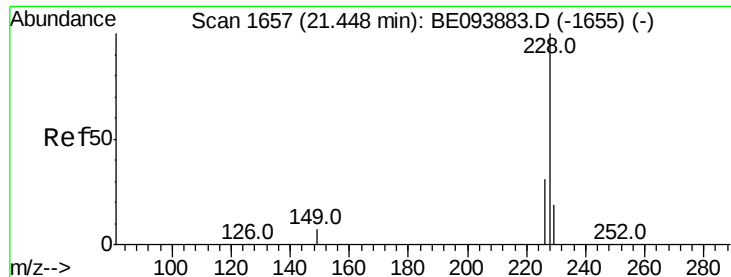


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.026 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

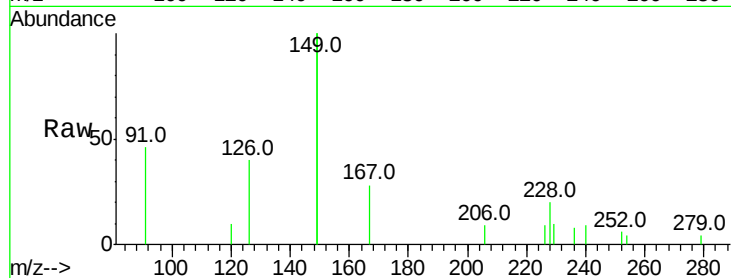
Tot Ion:228 Resp: 1260

Ion Ratio Lower Upper

228 100

226 46.2 24.6 37.0#

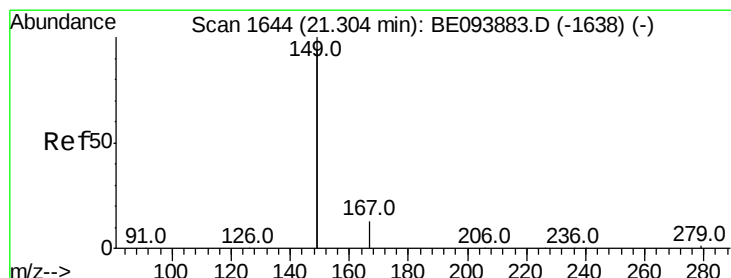
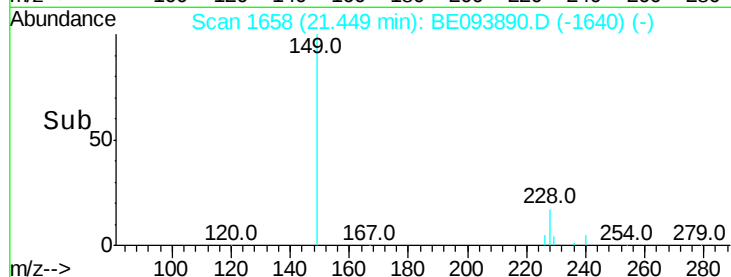
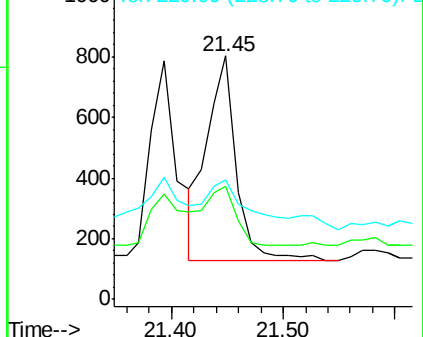
229 49.2 15.8 23.8#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.686 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

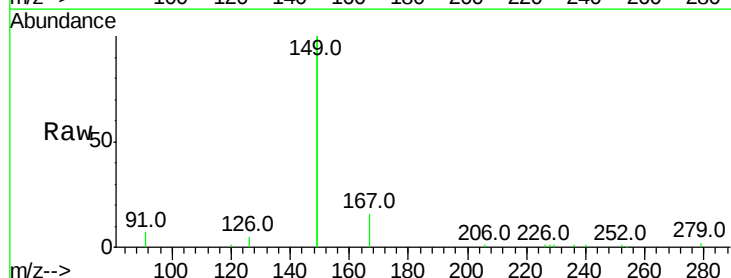
Tgt Ion:149 Resp: 63165

Ion Ratio Lower Upper

149 100

167 8.1 5.4 8.0#

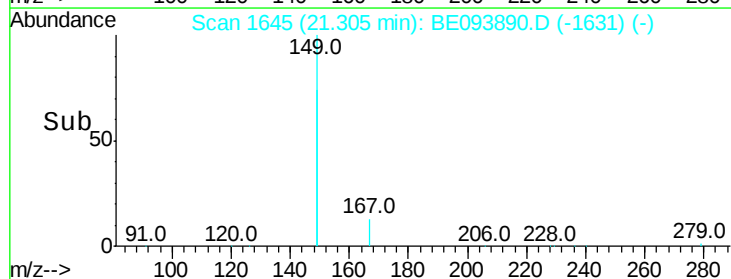
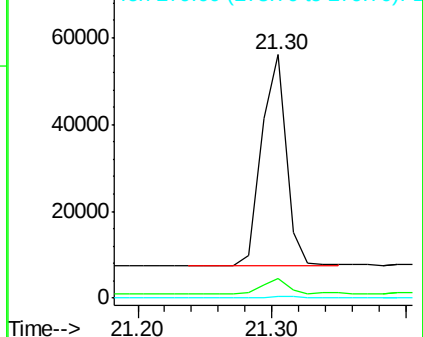
279 1.0 0.7 1.1

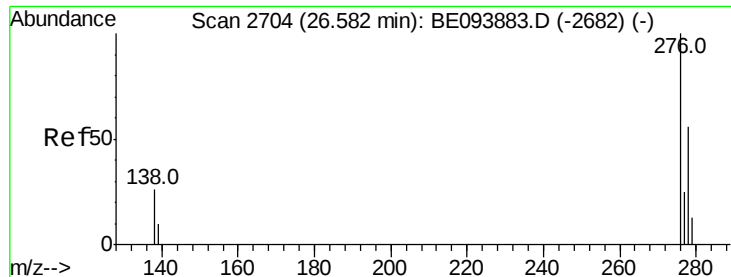


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

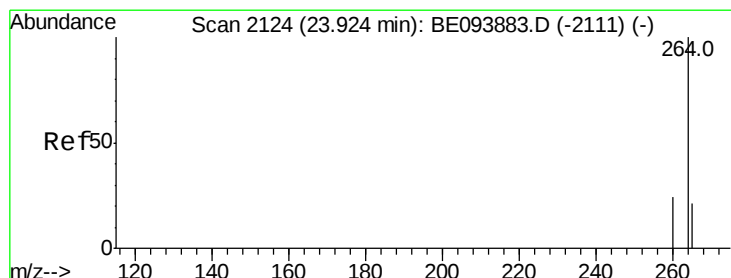
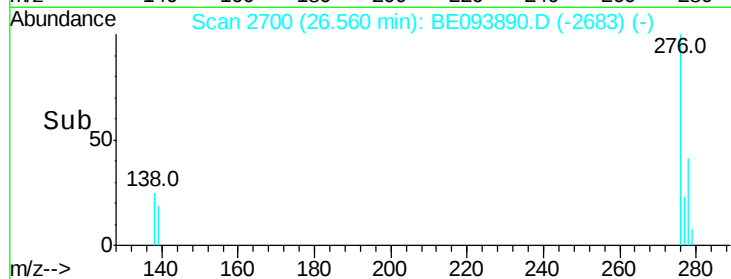
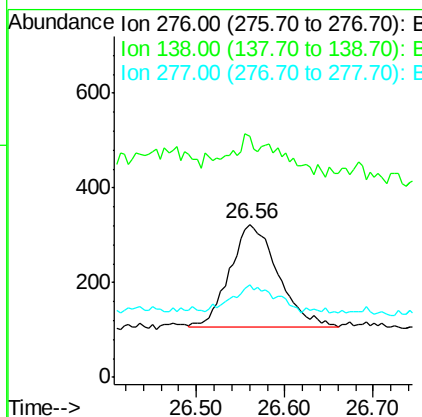
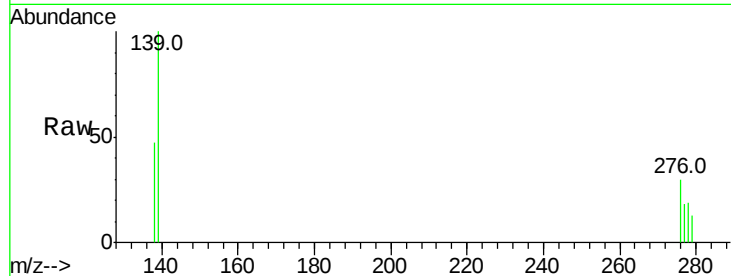




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.024 ng
 RT: 26.56 min Scan# 2700
 Delta R.T. -0.02 min
 Lab File: BE093890.D
 Acq: 28 Aug 2017 10:12

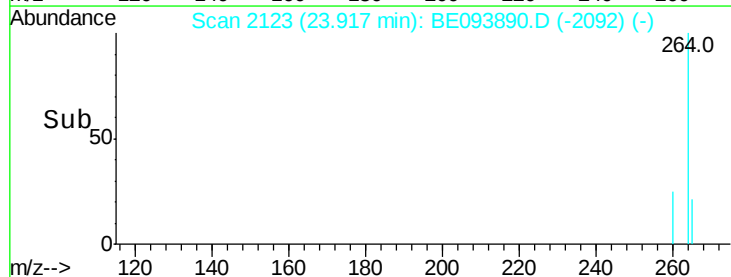
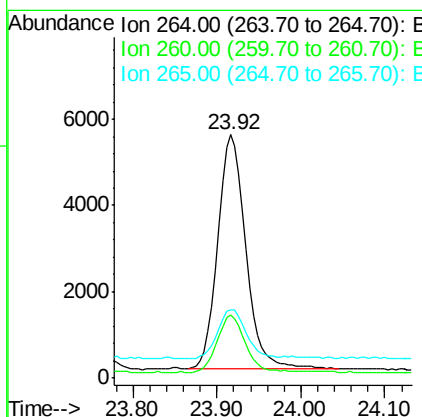
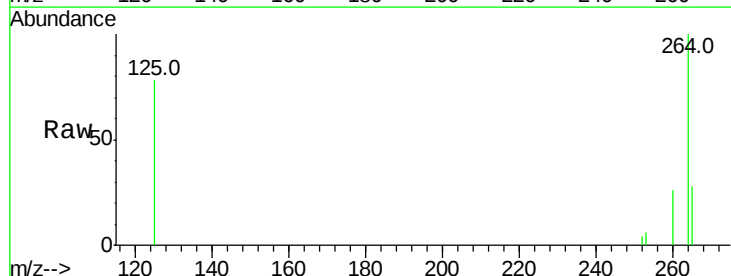
Instrument :
 BNA_E
 ClientSampleId :

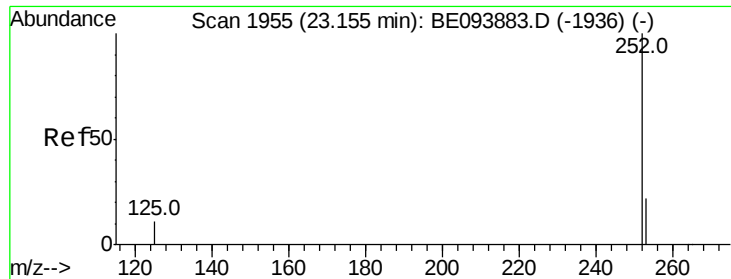
Tot Ion:276 Resp: 804
 Ion Ratio Lower Upper
 276 100
 138 4.0 22.2 33.2#
 277 25.2 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.92 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BE093890.D
 Acq: 28 Aug 2017 10:12

Tgt Ion:264 Resp: 12541
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.0 30.0
 265 28.0 24.0 36.0





#35

Benzo(b)fluoranthene

Concen: 0.033 ng

RT: 23.15 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

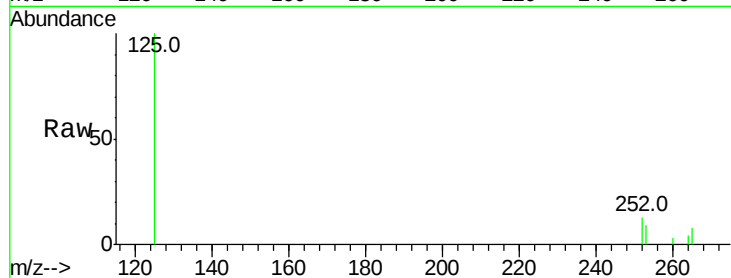
Tot Ion:252 Resp: 1324

Ion Ratio Lower Upper

252 100

253 64.4 19.4 29.0#

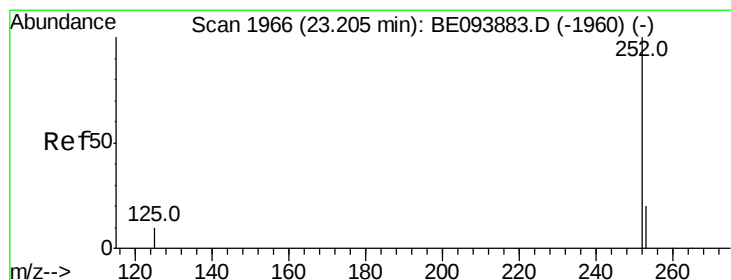
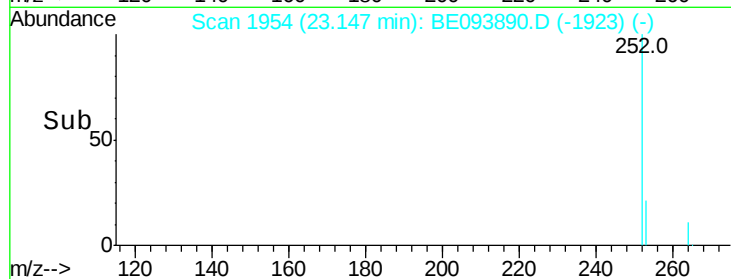
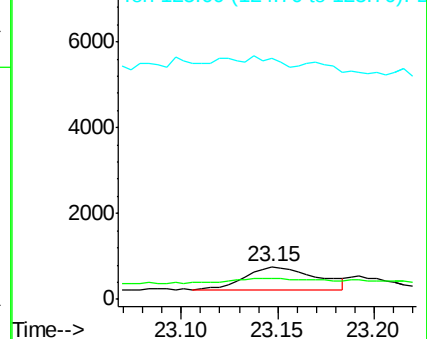
125 745.2 10.0 15.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.029 ng

RT: 23.15 min Scan# 1954

Delta R.T. -0.06 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

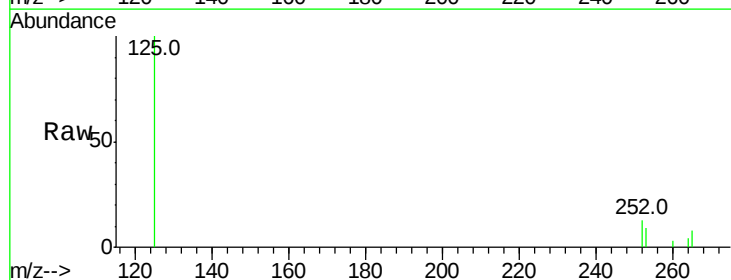
Tgt Ion:252 Resp: 1324

Ion Ratio Lower Upper

252 100

253 64.4 18.1 27.1#

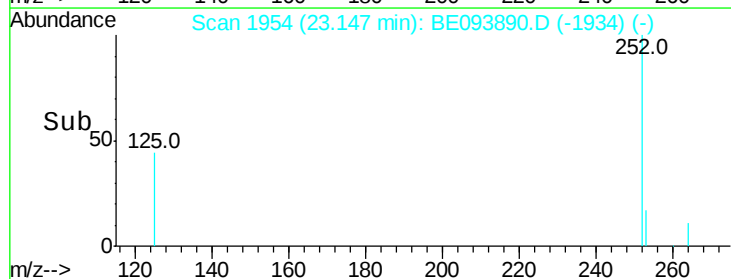
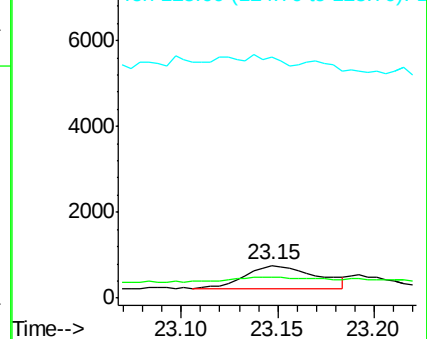
125 745.2 9.8 14.6#

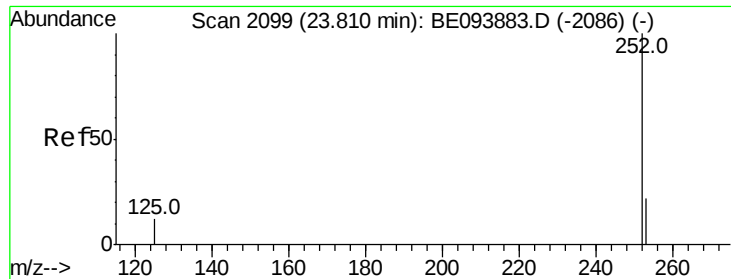


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.023 ng

RT: 23.81 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

Instrument :

BNA_E

ClientSampleId :

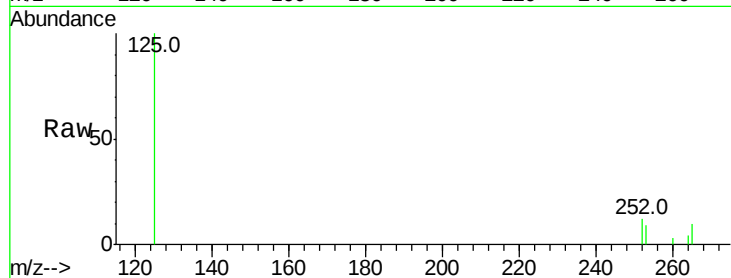
Tot Ion:252 Resp: 898

Ion Ratio Lower Upper

252 100

253 73.8 19.6 29.4#

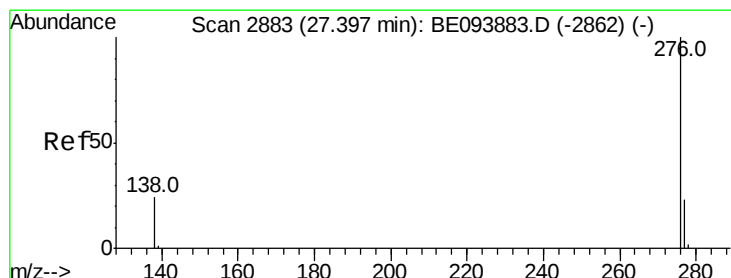
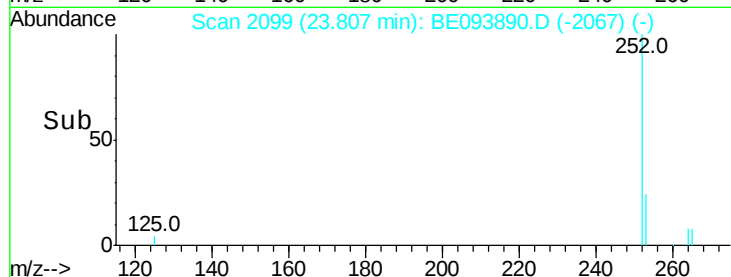
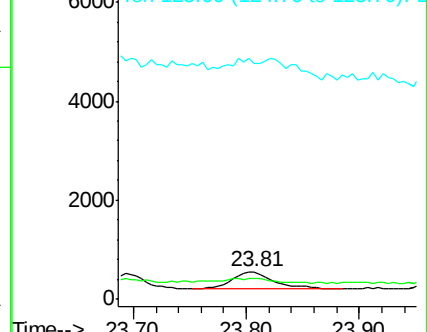
125 856.0 11.8 17.8#



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(g,h,i)perylene

Concen: 0.024 ng

RT: 27.38 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BE093890.D

Acq: 28 Aug 2017 10:12

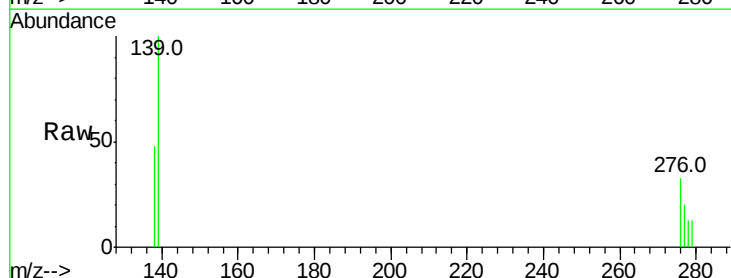
Tgt Ion:276 Resp: 731

Ion Ratio Lower Upper

276 100

277 60.4 20.6 30.8#

138 144.2 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

