

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091817\
 Data File : BE094022.D
 Acq On : 18 Sep 2017 15:40
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 19 01:26:57 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2428	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	12445	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	7020	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	12273	0.40	ng	-0.03
27) Chrysene-d12	21.41	240	14595	0.40	ng	-0.01
34) Perylene-d12	23.93	264	10022	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	3047	0.39	ng	-0.01
5) Phenol-d6	7.11	99	4240	0.36	ng	0.00
8) Nitrobenzene-d5	9.06	82	4031	0.38	ng	-0.02
11) 2-Methylnaphthalene-d10	12.29	152	8086	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	620	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	11024	0.40	ng	0.00
25) Fluoranthene-d10	19.28	212	68215	0.37	ng	0.00
29) Terphenyl-d14	19.87	244	11113	0.41	ng	0.00

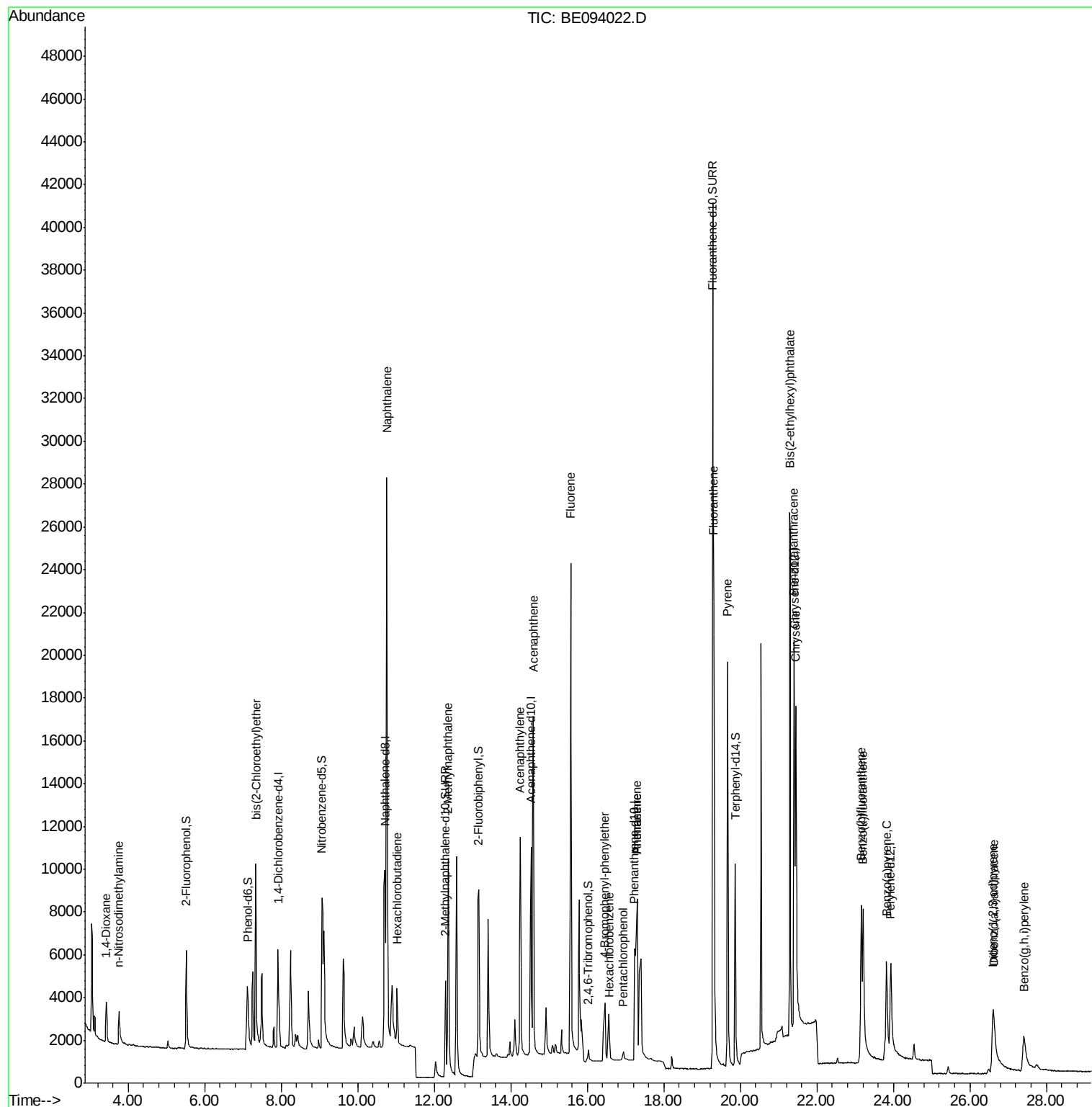
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	1490	0.445	ng	97
3) n-Nitrosodimethylamine	3.75	42	1613	0.412	ng	# 96
6) bis(2-Chloroethyl)ether	7.34	93	3991	0.414	ng	86
9) Naphthalene	10.76	128	57558	0.404	ng	100
10) Hexachlorobutadiene	11.03	225	1975	0.381	ng	98
12) 2-Methylnaphthalene	12.36	142	9526	0.402	ng	99
16) Acenaphthylene	14.24	152	13390	0.382	ng	100
17) Acenaphthene	14.58	154	9485	0.401	ng	98
18) Fluorene	15.56	166	11886	0.389	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	2762	0.384	ng	88
21) Hexachlorobenzene	16.58	284	2147	0.296	ng	# 100
22) Pentachlorophenol	16.94	266	593	0.305	ng	100
23) Phenanthrene	17.30	178	14627	0.333	ng	# 88
24) Anthracene	17.30	178	14627	0.391	ng	# 96
26) Fluoranthene	19.31	202	20345	0.372	ng	100
28) Pyrene	19.67	202	21335	0.425	ng	100
30) Benzo(a)anthracene	21.40	228	16191	0.361	ng	100
31) Chrysene	21.45	228	19247	0.406	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	35471	0.326	ng	100
33) Indeno(1,2,3-cd)pyrene	26.60	276	7712	0.244	ng	# 79
35) Benzo(b)fluoranthene	23.16	252	12511	0.392	ng	99
36) Benzo(k)fluoranthene	23.21	252	18119	0.463	ng	96
37) Benzo(a)pyrene	23.82	252	12465	0.384	ng	97
38) Dibenzo(a,h)anthracene	26.63	278	5777	0.268	ng	# 91
39) Benzo(g,h,i)perylene	27.41	276	6979	0.307	ng	95

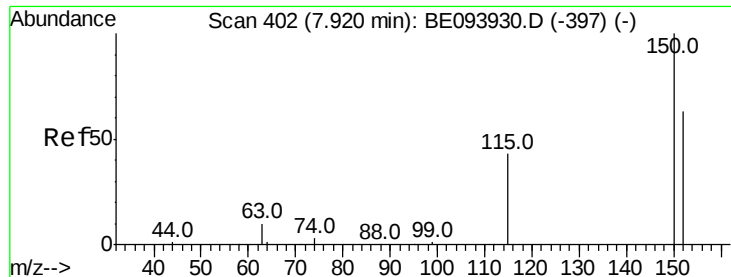
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091817\
Data File : BE094022.D
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 19 01:26:57 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
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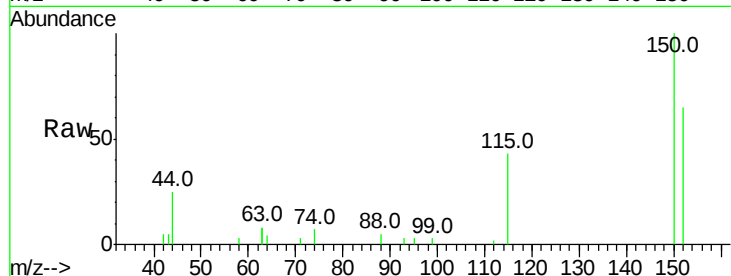


#1

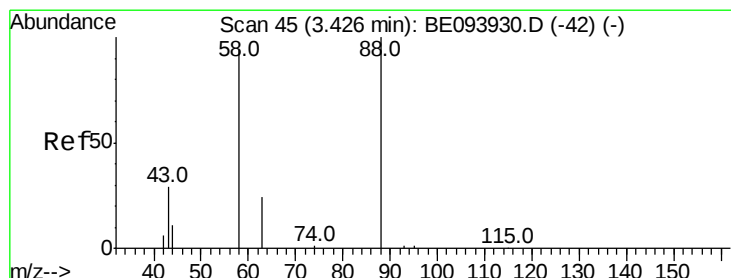
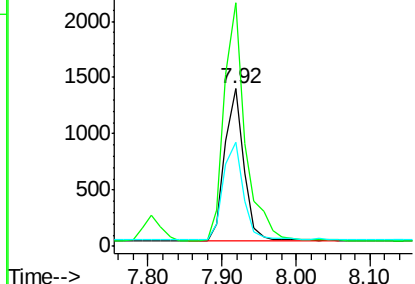
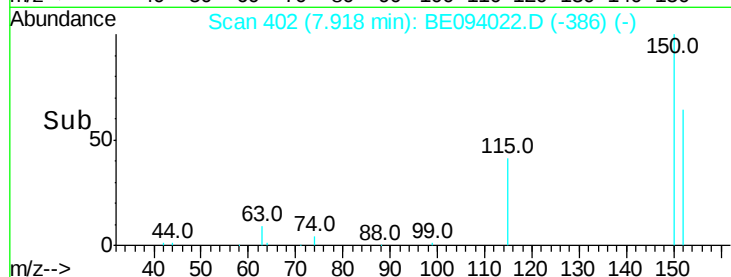
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094022.D
Acq: 18 Sep 2017 15:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2428
Ion Ratio Lower Upper
152 100
150 154.6 121.8 182.6
115 66.4 52.6 79.0



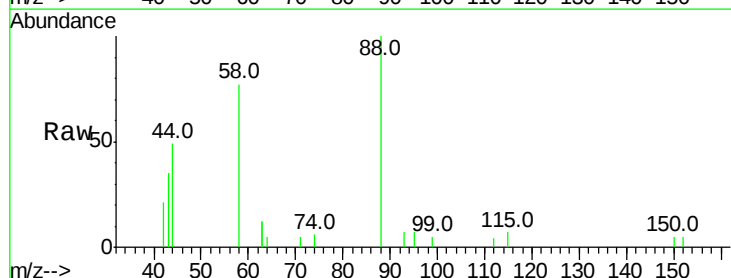
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



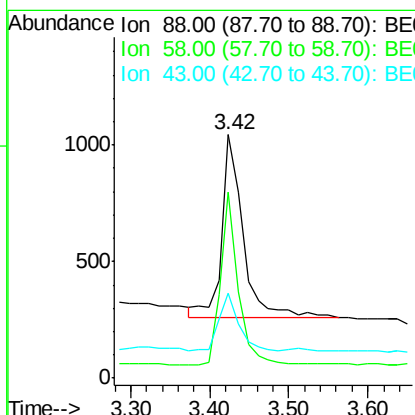
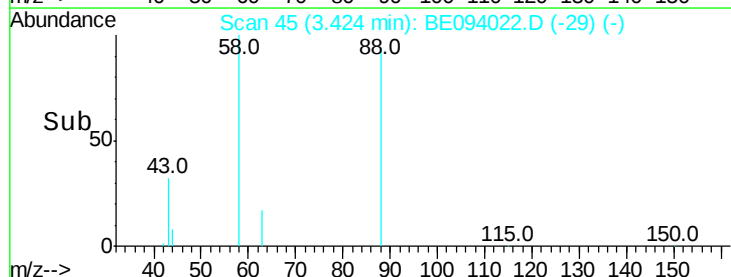
#2

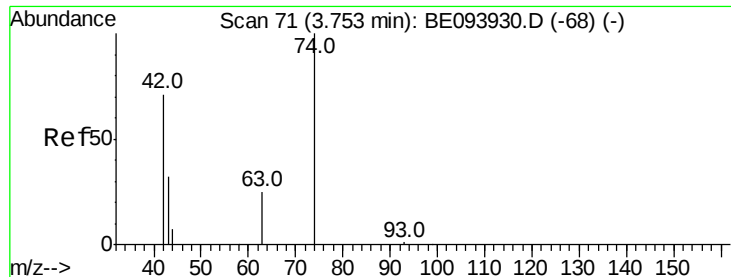
1,4-Dioxane
Concen: 0.445 ng
RT: 3.42 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE094022.D
Acq: 18 Sep 2017 15:40

Tgt Ion: 88 Resp: 1490
Ion Ratio Lower Upper
88 100
58 78.2 65.4 98.0
43 30.3 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





#3

n-Nitrosodimethylamine

Concen: 0.412 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampled :

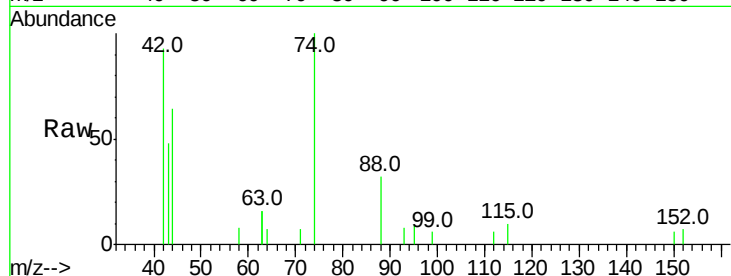
Tot Ion: 42 Resp: 1613

Ion Ratio Lower Upper

42 100

74 125.7 104.0 156.0

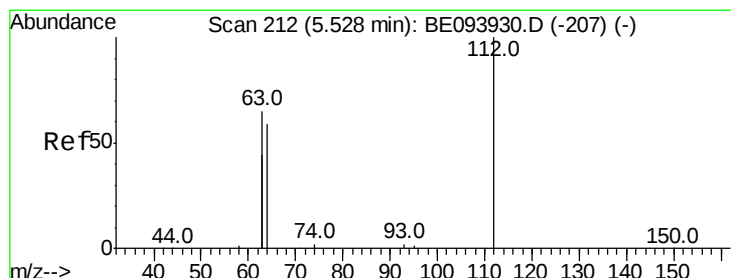
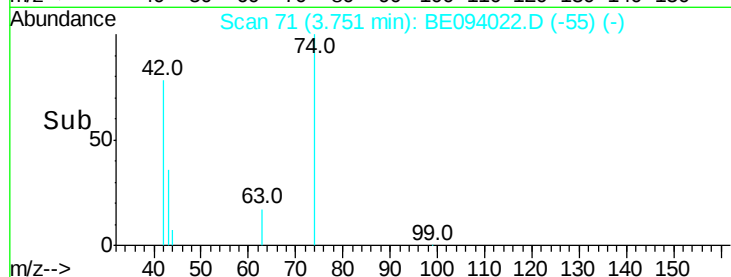
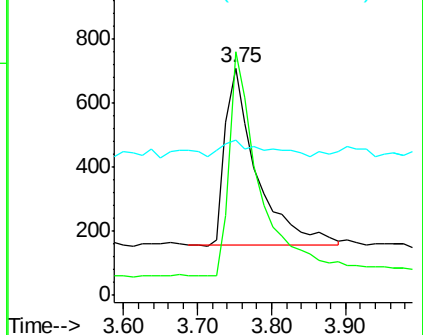
44 13.3 13.8 20.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.388 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

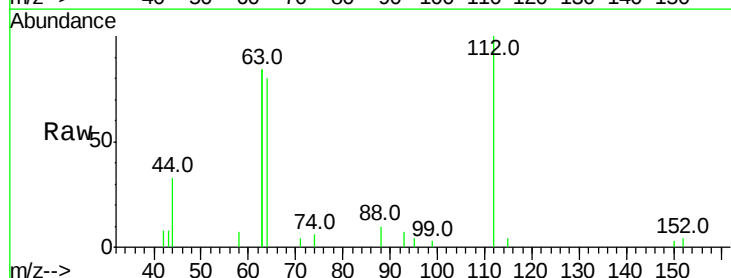
Tgt Ion: 112 Resp: 3047

Ion Ratio Lower Upper

112 100

64 73.1 57.7 86.5

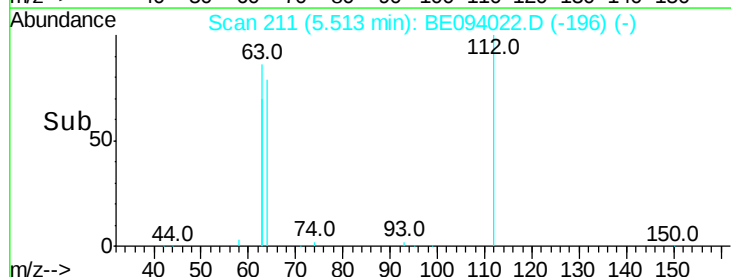
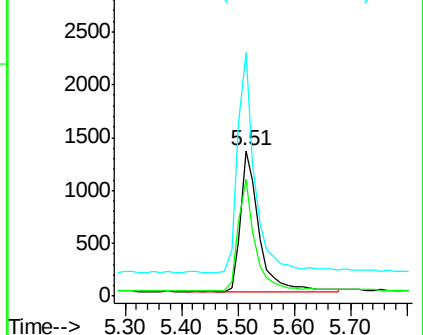
63 149.2 116.0 174.0

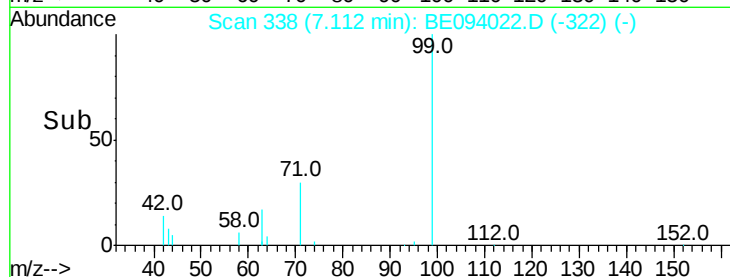
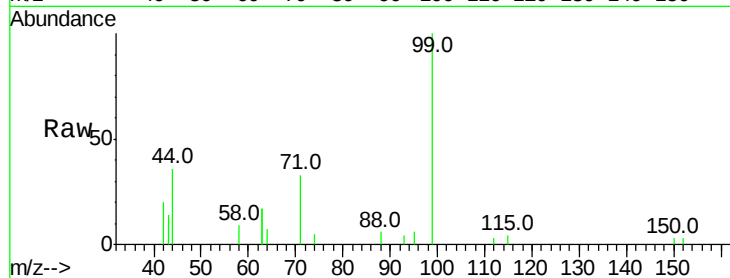
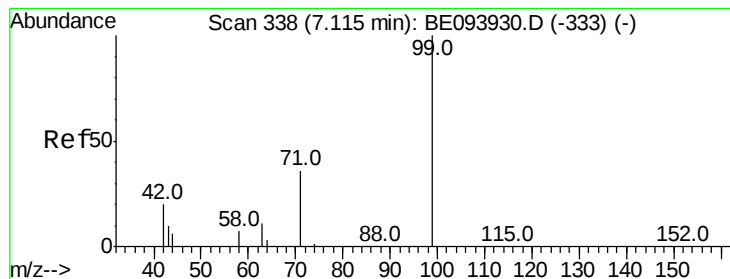


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.360 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

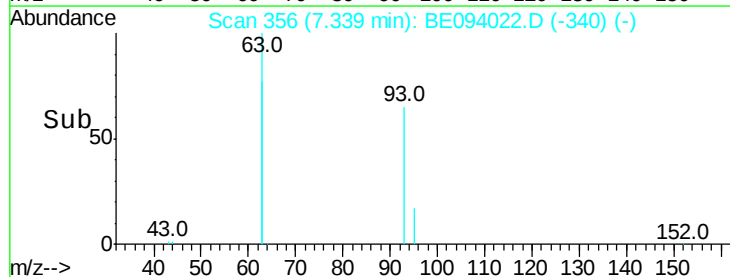
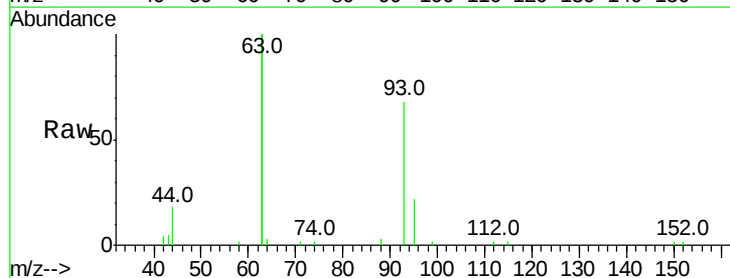
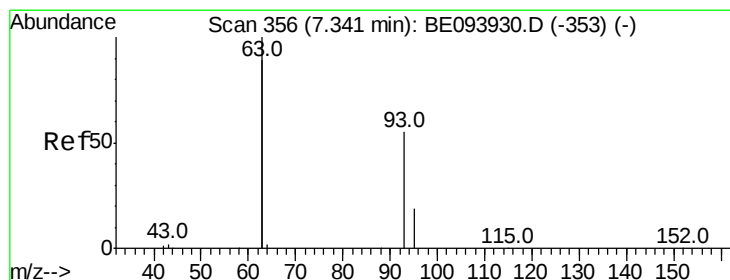
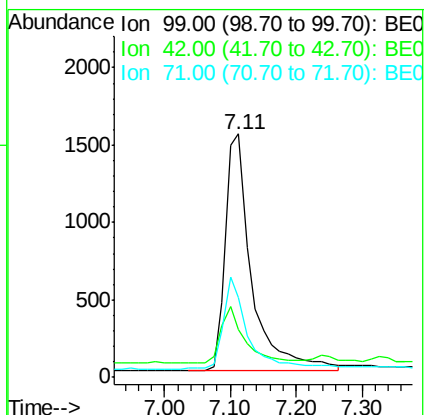
Tot Ion: 99 Resp: 4240

Ion Ratio Lower Upper

99 100

42 22.0 17.1 25.7

71 36.3 26.6 39.8



#6

bis(2-Chloroethyl)ether

Concen: 0.414 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

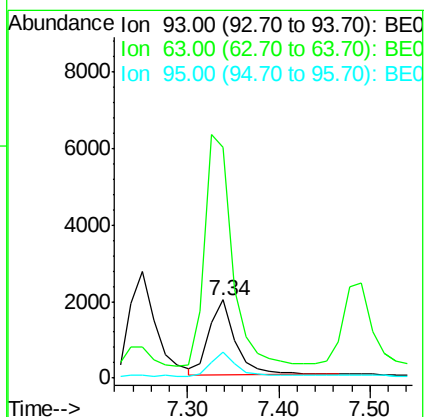
Tgt Ion: 93 Resp: 3991

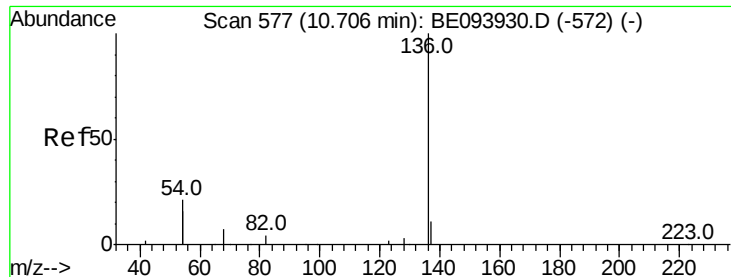
Ion Ratio Lower Upper

93 100

63 322.0 283.4 425.2

95 30.0 26.9 40.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 12445

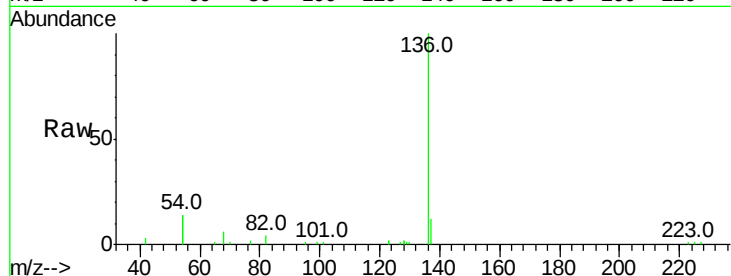
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 27.3 21.9 32.9

68 5.5 4.6 7.0

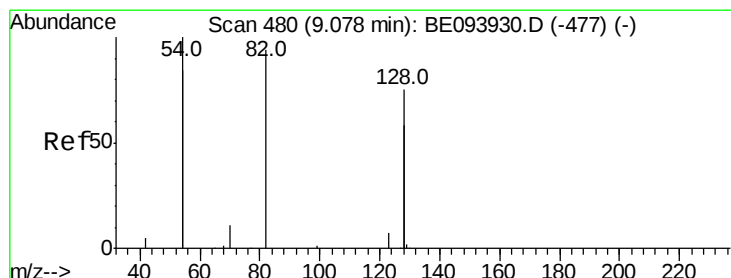
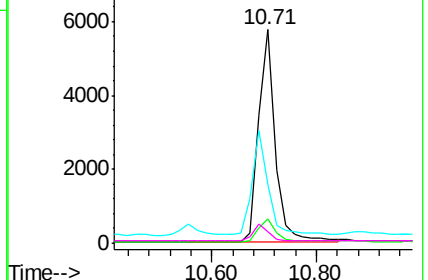
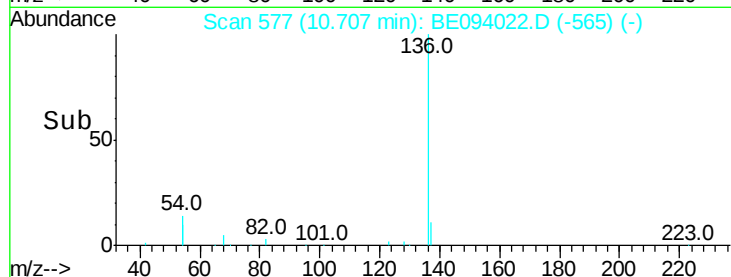


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.383 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

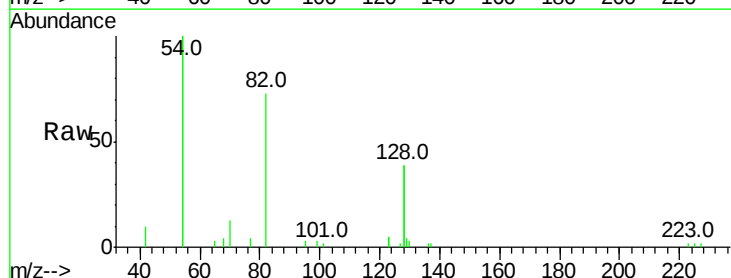
Tgt Ion: 82 Resp: 4031

Ion Ratio Lower Upper

82 100

128 107.5 91.4 137.0

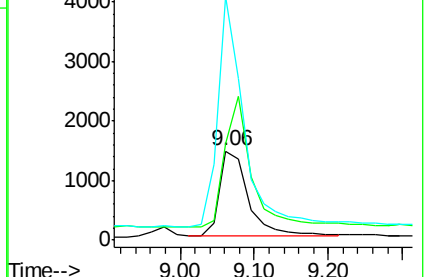
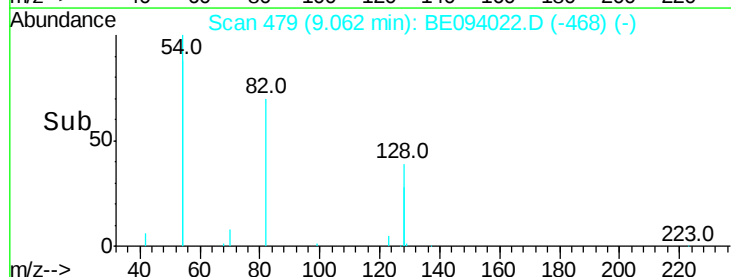
54 273.0 197.8 296.8

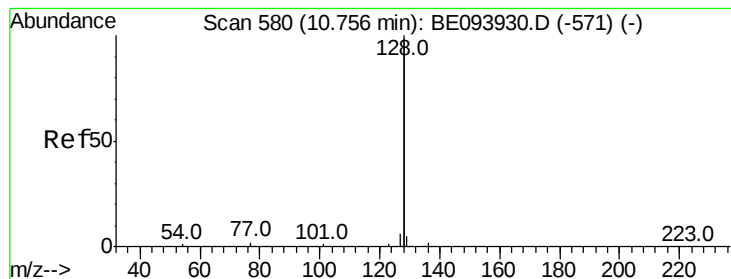


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.404 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

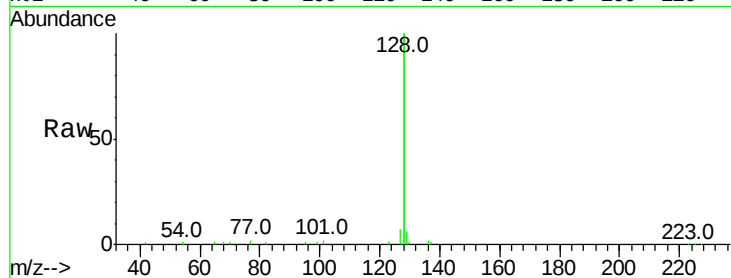
Tot Ion:128 Resp: 57558

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

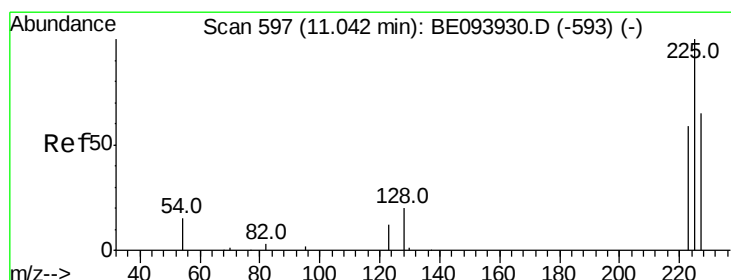
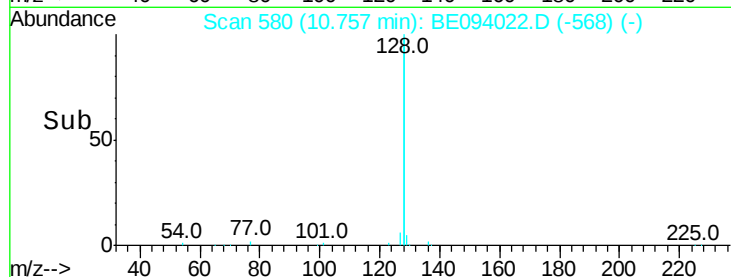
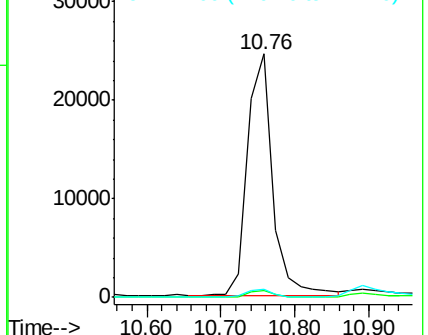
127 3.3 2.6 4.0



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



#10

Hexachlorobutadiene

Concen: 0.381 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

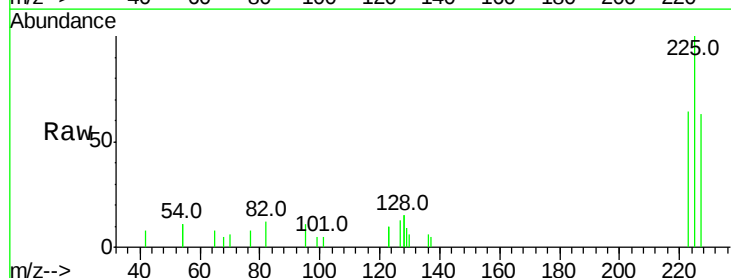
Tgt Ion:225 Resp: 1975

Ion Ratio Lower Upper

225 100

223 62.7 49.4 74.0

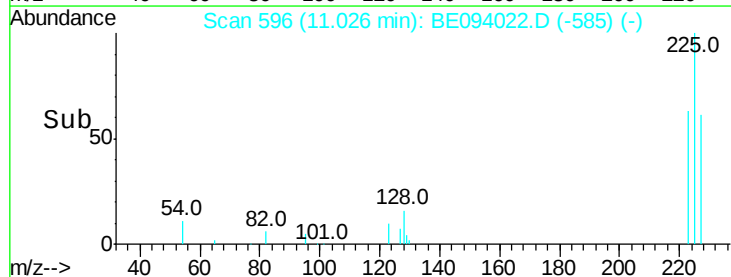
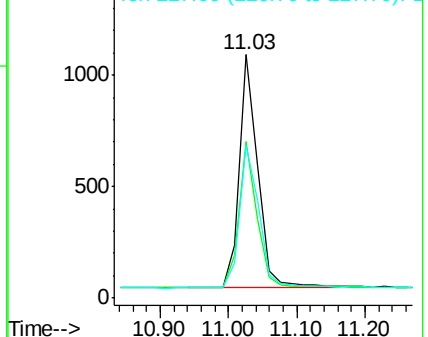
227 64.7 50.5 75.7

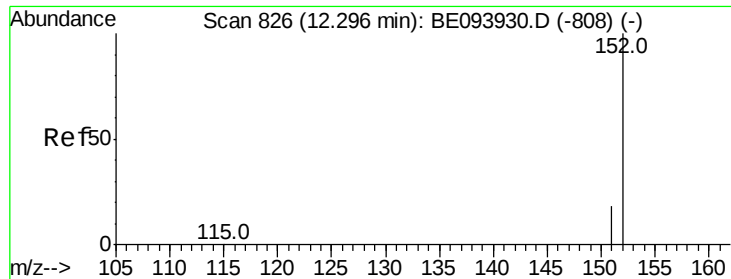


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

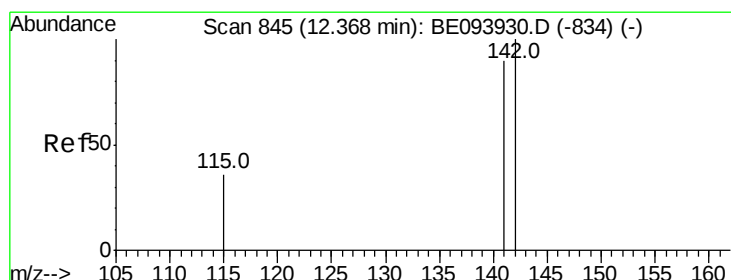
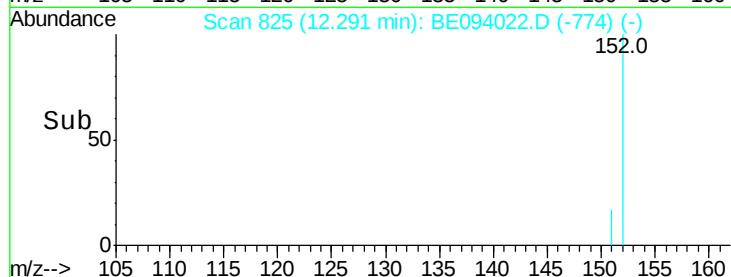
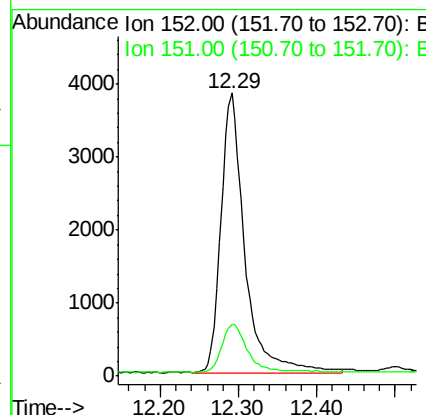
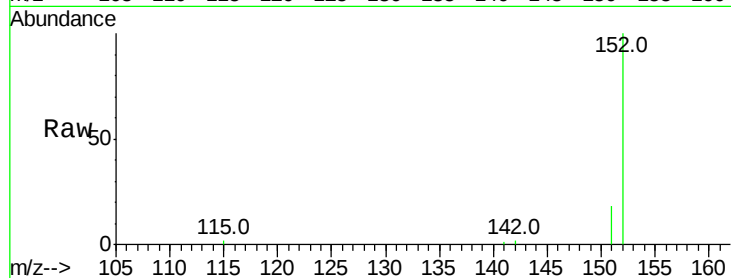




#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.29 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE094022.D
Acq: 18 Sep 2017 15:40

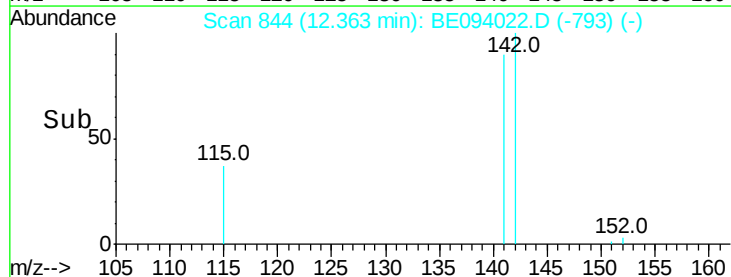
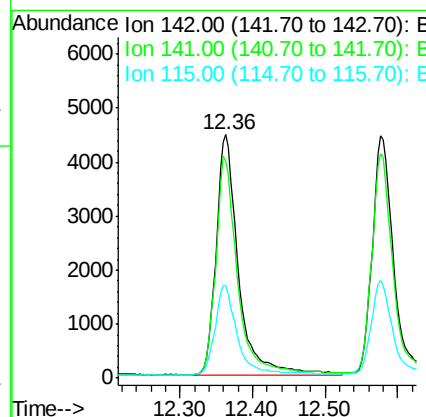
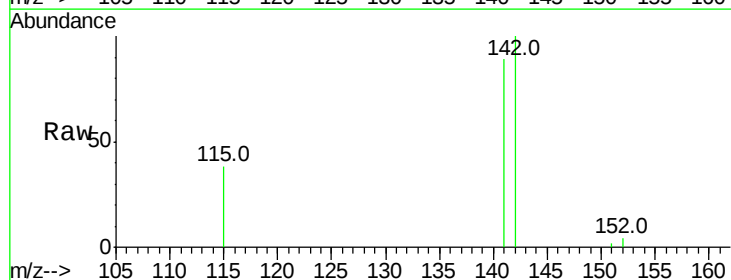
Instrument :
BNA_E
ClientSampleId :

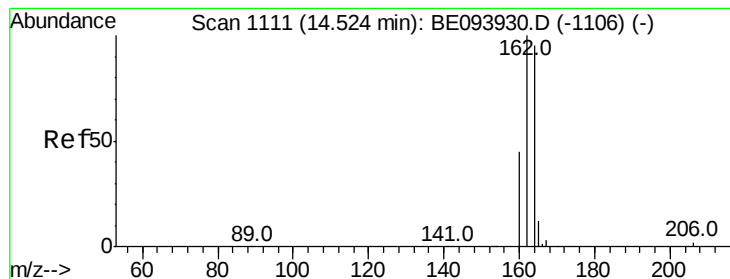
Tot Ion:152 Resp: 8086
Ion Ratio Lower Upper
152 100
151 18.6 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.402 ng
RT: 12.36 min Scan# 844
Delta R.T. -0.01 min
Lab File: BE094022.D
Acq: 18 Sep 2017 15:40

Tgt Ion:142 Resp: 9526
Ion Ratio Lower Upper
142 100
141 89.2 71.4 107.2
115 38.1 29.4 44.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

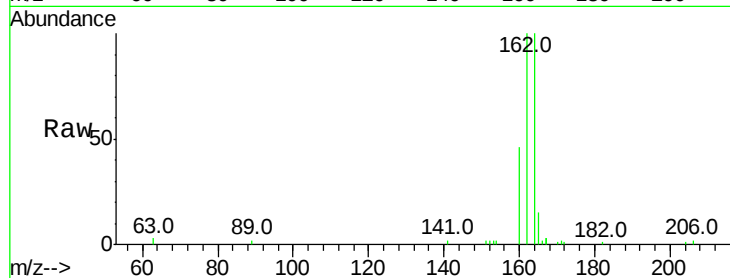
Tot Ion:164 Resp: 7020

Ion Ratio Lower Upper

164 100

162 99.9 80.8 121.2

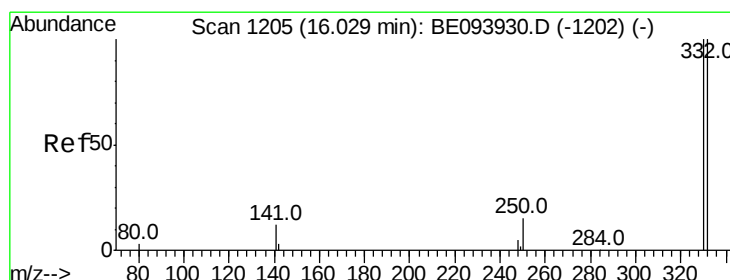
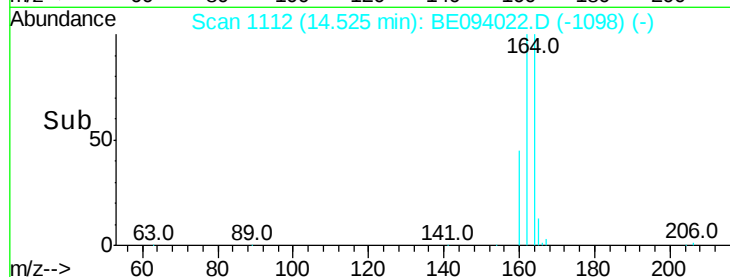
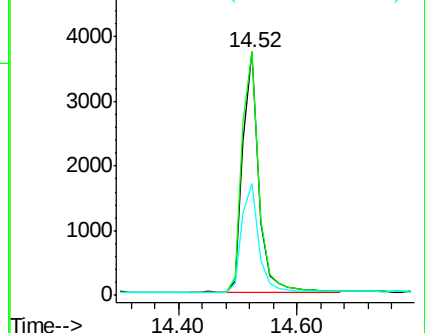
160 46.0 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.285 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

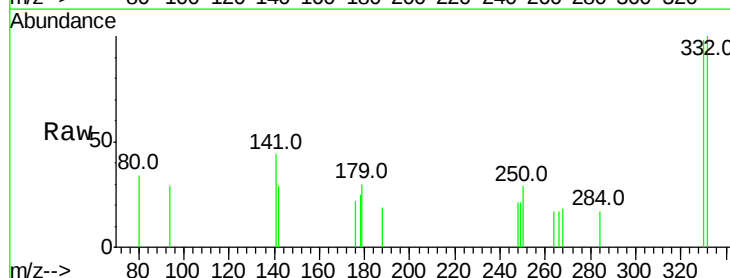
Tgt Ion:330 Resp: 620

Ion Ratio Lower Upper

330 100

332 100.3 76.9 115.3

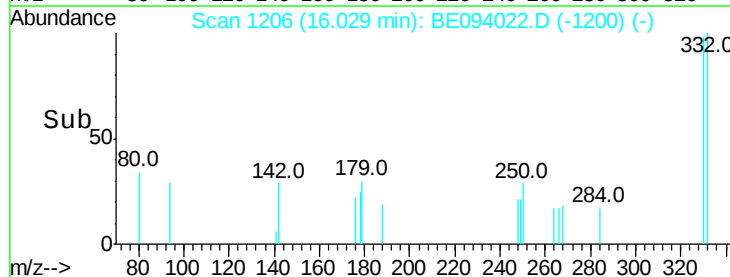
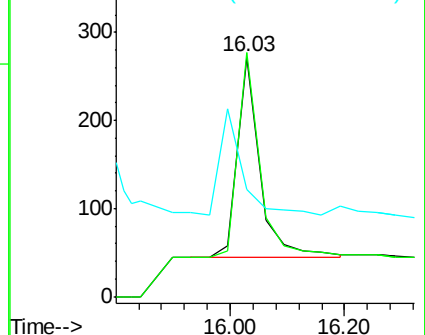
141 0.0 0.0 0.0

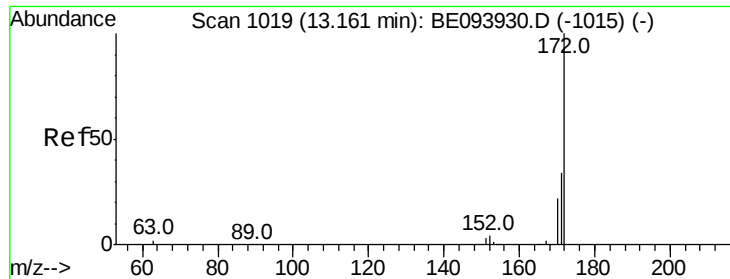


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

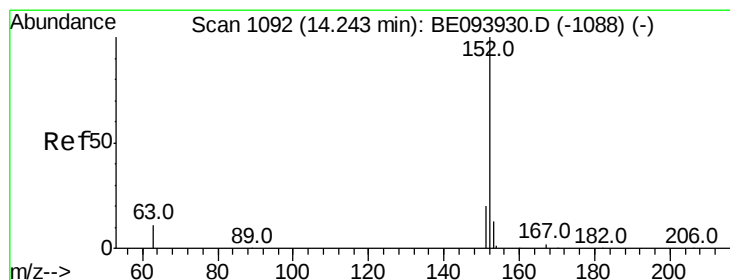
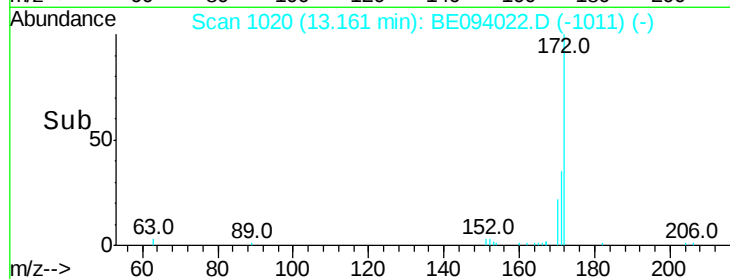
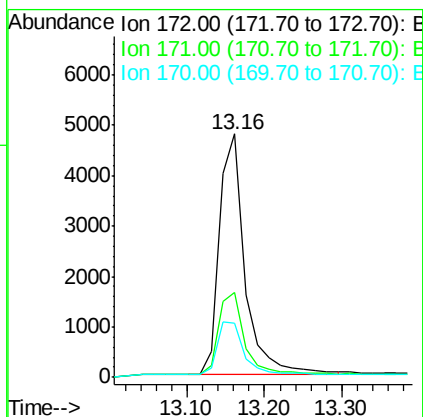
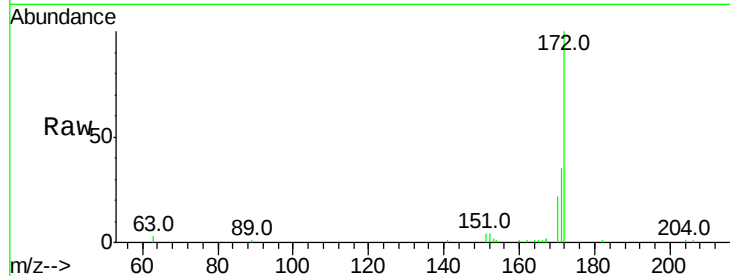




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE094022.D
Acq: 18 Sep 2017 15:40

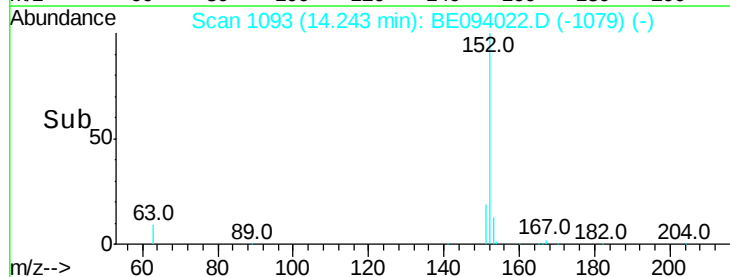
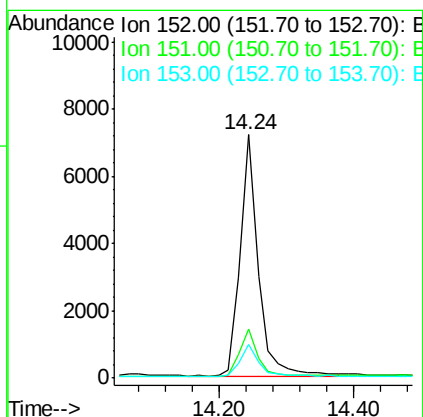
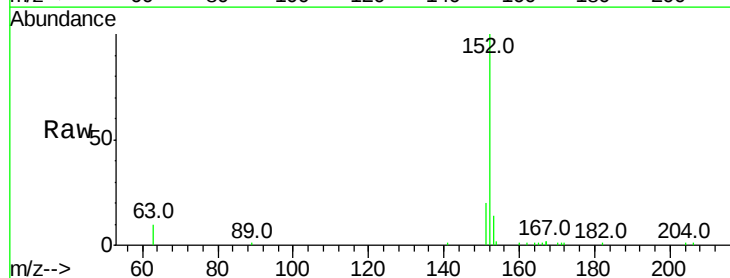
Instrument :
BNA_E
ClientSampleId :

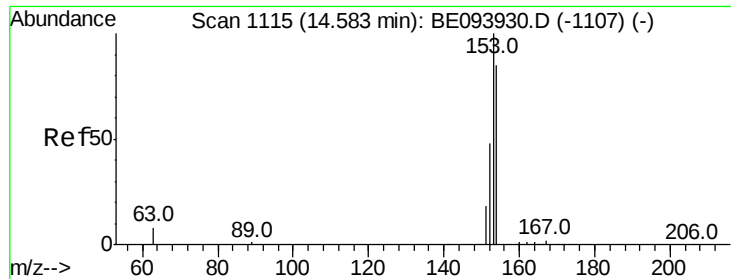
Tot Ion:172 Resp: 11024
Ion Ratio Lower Upper
172 100
171 34.8 26.9 40.3
170 22.2 17.3 25.9



#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094022.D
Acq: 18 Sep 2017 15:40

Tgt Ion:152 Resp: 13390
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.2 10.6 16.0





#17

Acenaphthene

Concen: 0.401 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

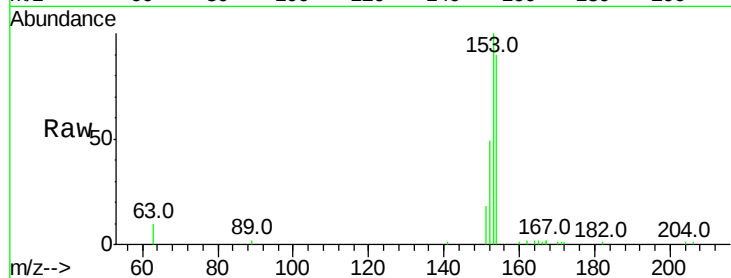
Tot Ion:154 Resp: 9485

Ion Ratio Lower Upper

154 100

153 112.8 91.8 137.6

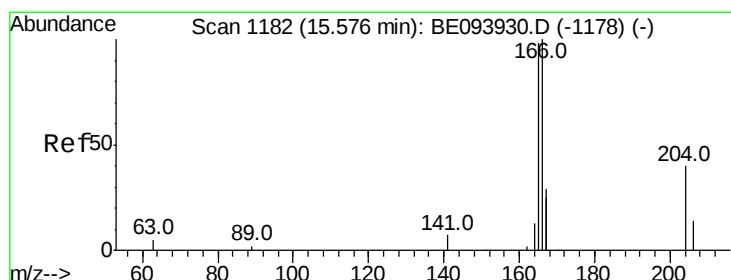
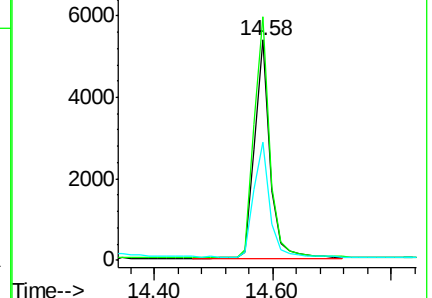
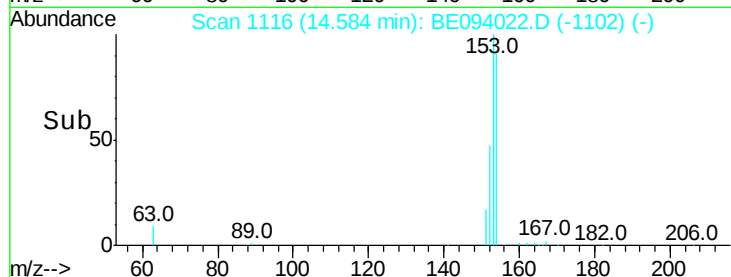
152 55.0 44.9 67.3



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



#18

Fluorene

Concen: 0.389 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

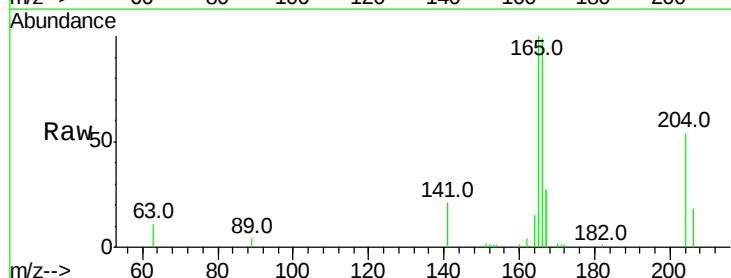
Tgt Ion:166 Resp: 11886

Ion Ratio Lower Upper

166 100

165 98.2 79.4 119.0

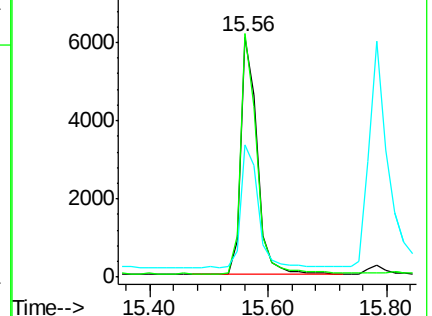
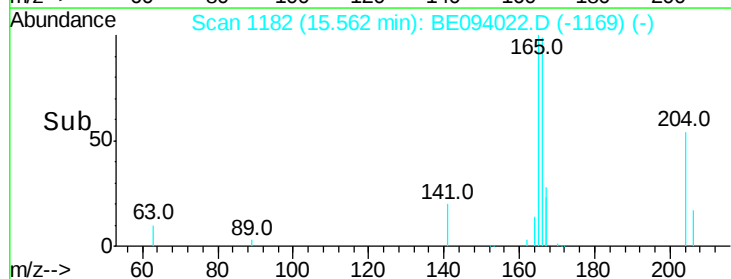
167 54.1 43.5 65.3

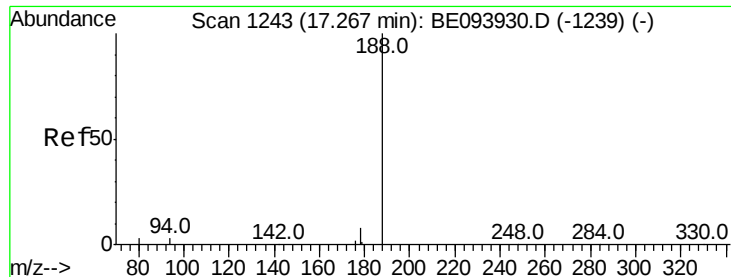


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

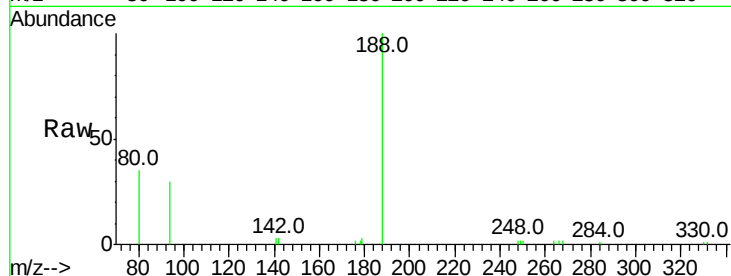
Tot Ion:188 Resp: 12273

Ion Ratio Lower Upper

188 100

94 29.9 16.1 24.1#

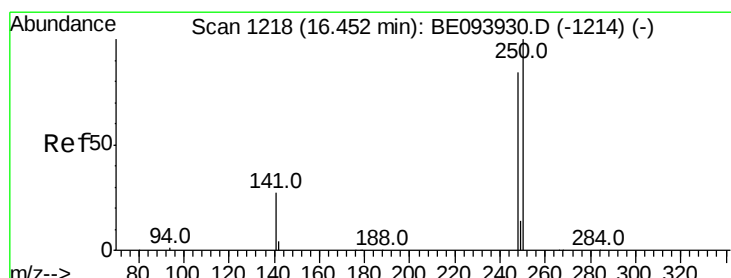
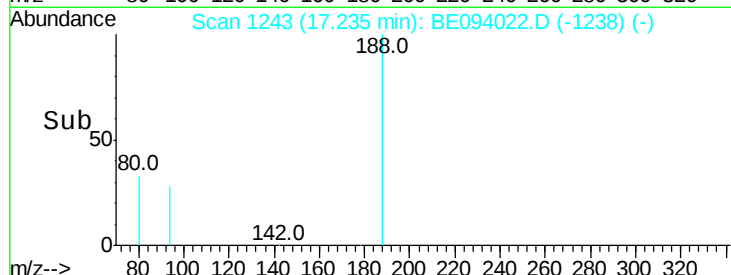
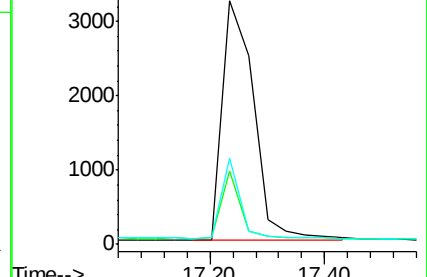
80 35.2 18.2 27.2#



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



#20

4-Bromophenyl-phenylether

Concen: 0.384 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

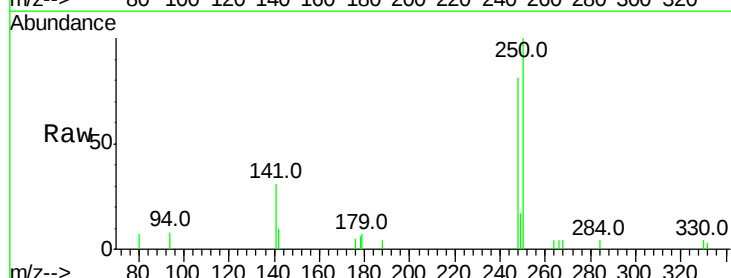
Tgt Ion:248 Resp: 2762

Ion Ratio Lower Upper

248 100

250 123.4 111.8 167.8

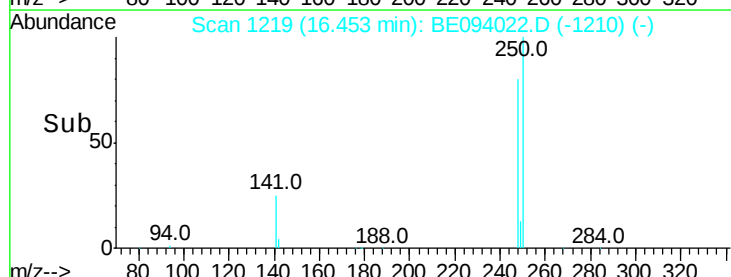
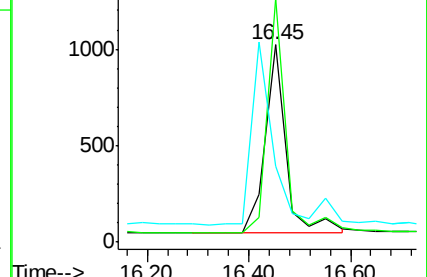
141 38.2 27.1 40.7

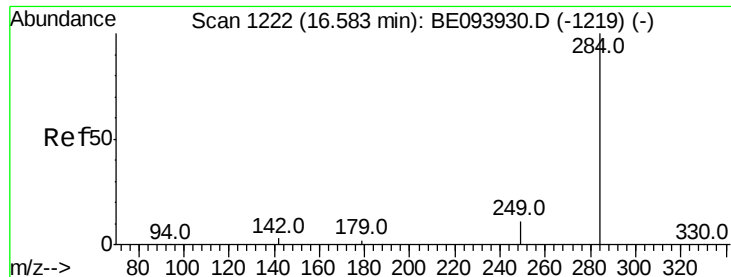


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.296 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

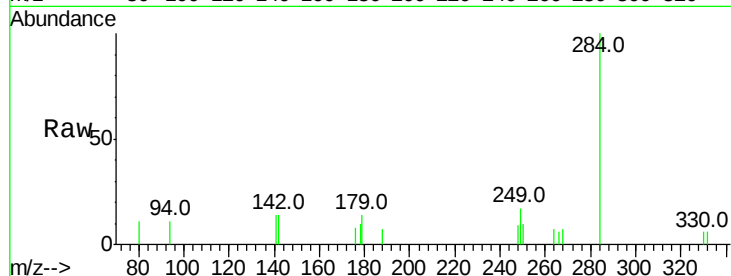
Tot Ion:284 Resp: 2147

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

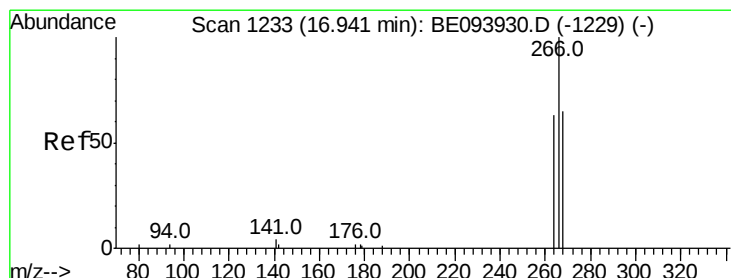
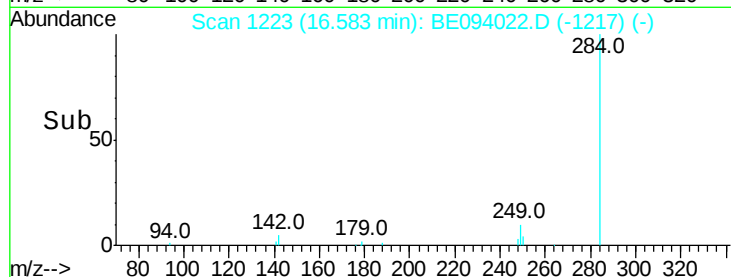
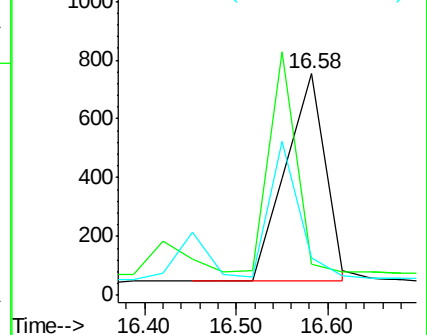
249 0.0 0.0 0.0



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: 0.305 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

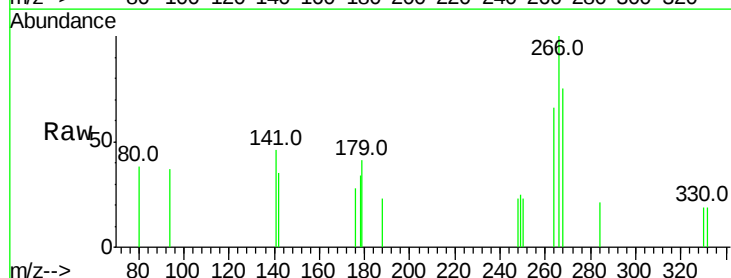
Tgt Ion:266 Resp: 593

Ion Ratio Lower Upper

266 100

264 66.4 53.5 80.3

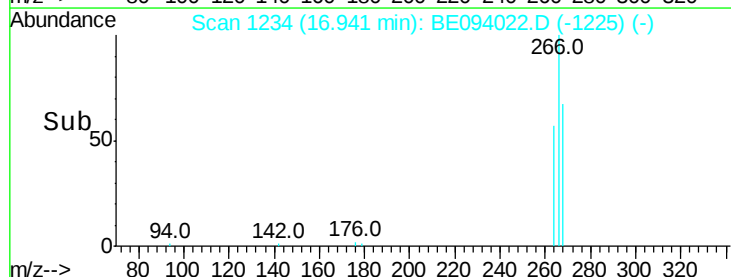
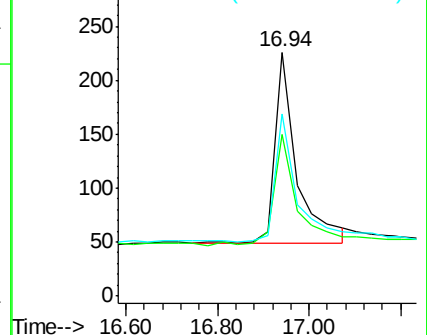
268 74.8 60.0 90.0

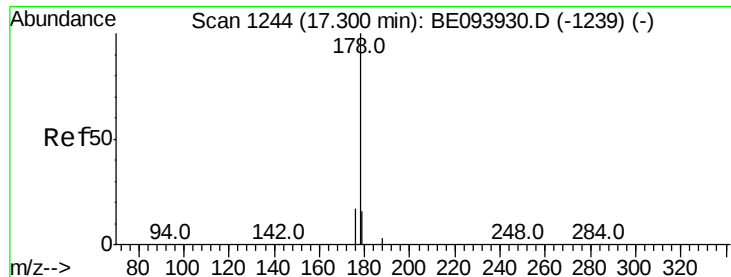


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.333 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

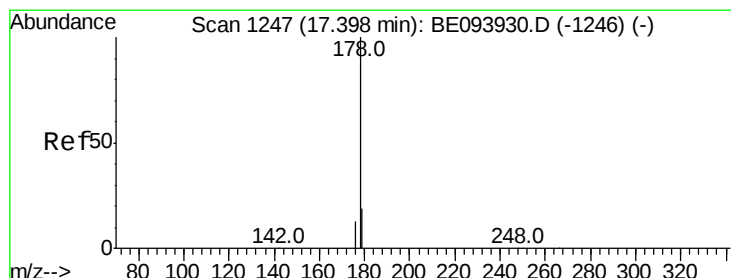
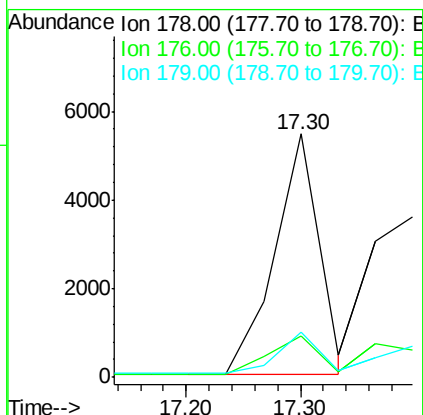
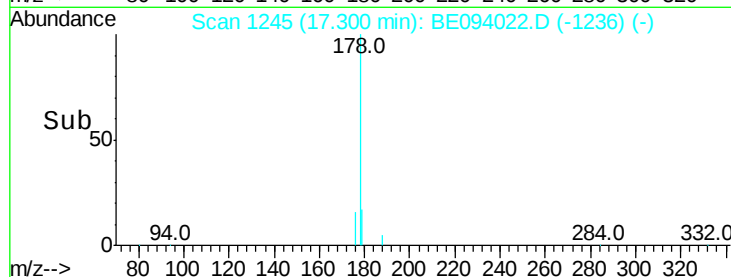
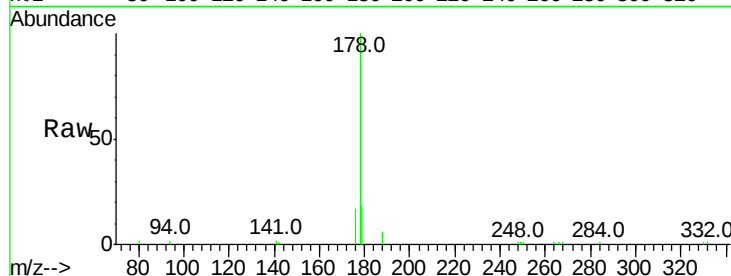
Tot Ion:178 Resp: 14627

Ion Ratio Lower Upper

178 100

176 18.2 0.0 0.0#

179 20.7 12.6 18.8#



#24

Anthracene

Concen: 0.391 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

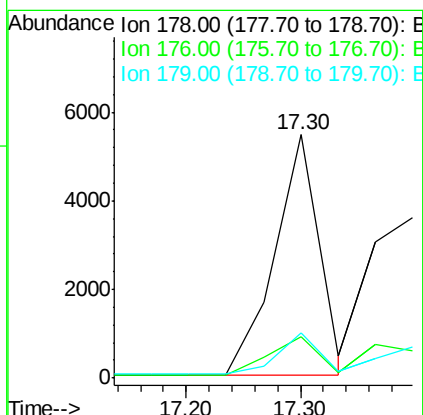
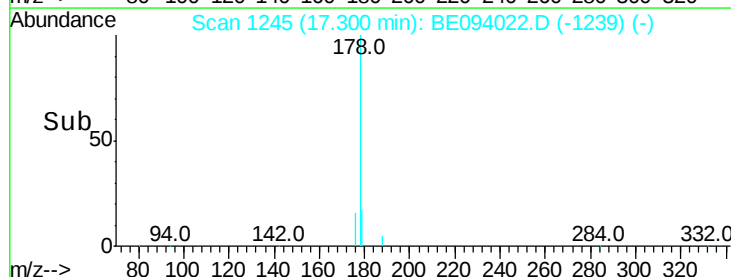
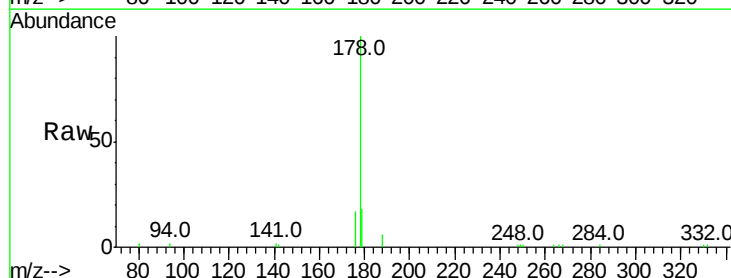
Tgt Ion:178 Resp: 14627

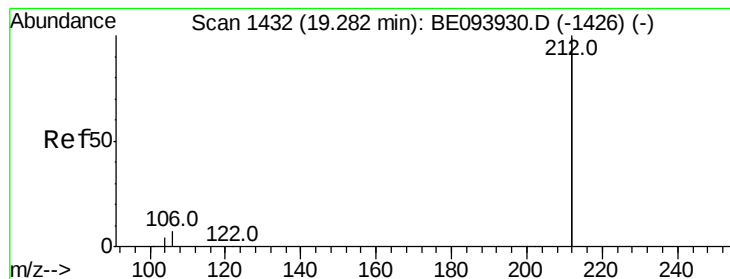
Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

179 20.7 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

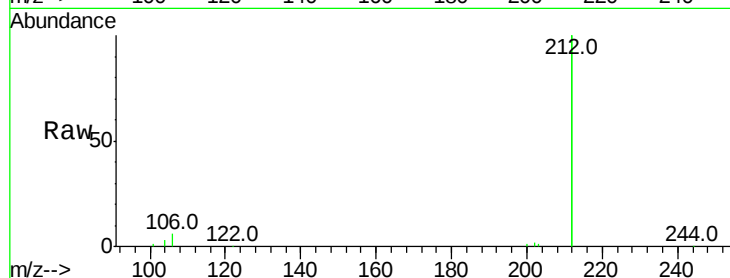
Tot Ion:212 Resp: 68215

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

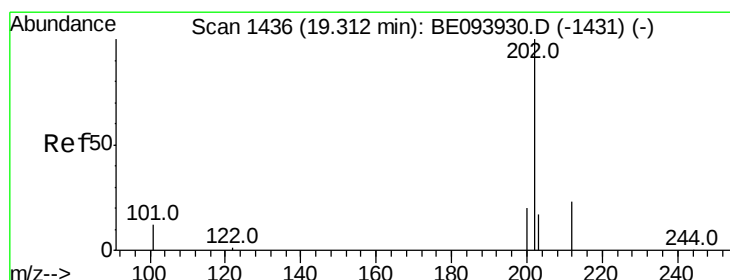
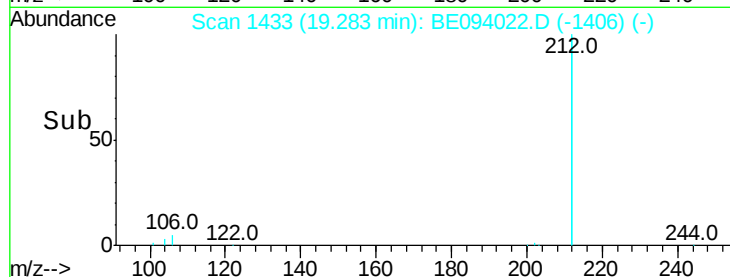
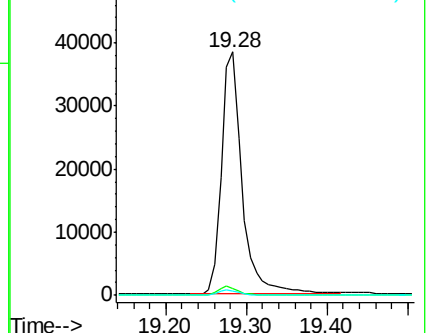
104 1.9 1.6 2.4



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: 0.372 ng

RT: 19.31 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

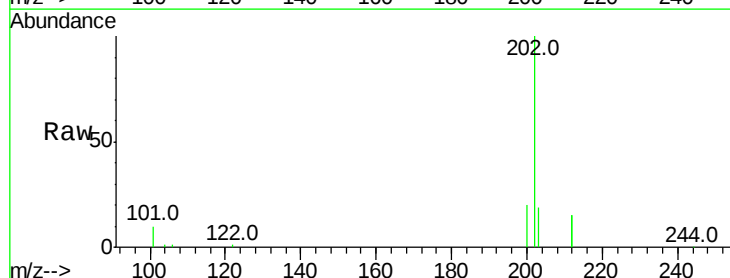
Tgt Ion:202 Resp: 20345

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

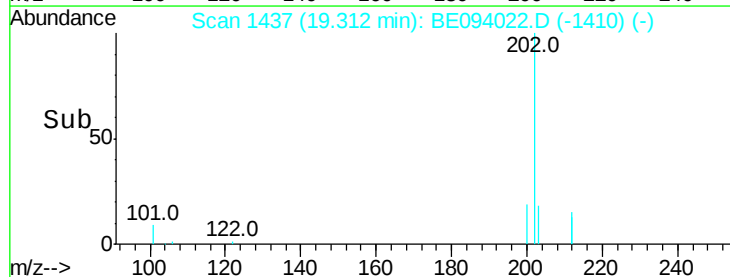
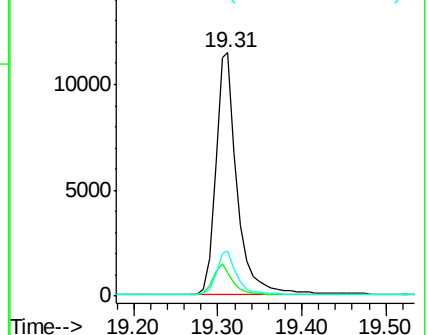
203 17.2 13.7 20.5

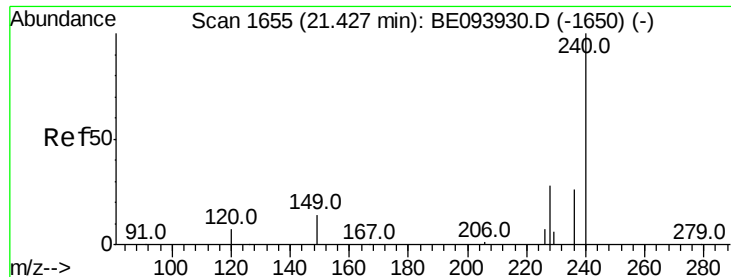


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

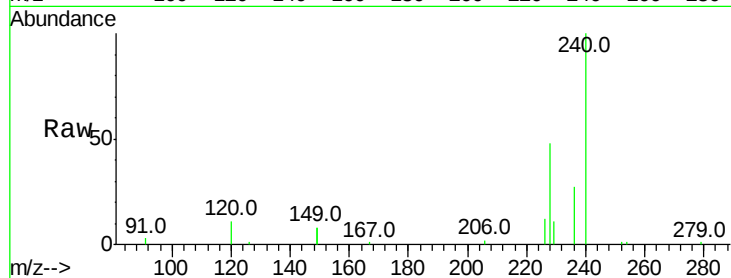
Instrument :

BNA_E

ClientSampleId :

Tot Ion:240 Resp: 14595

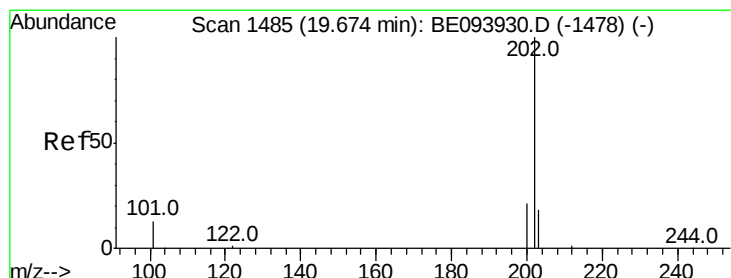
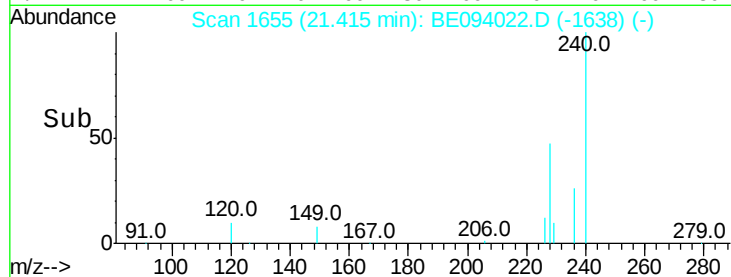
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.7	13.1
236	26.7	21.3	31.9



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: 0.425 ng

RT: 19.67 min Scan# 1485

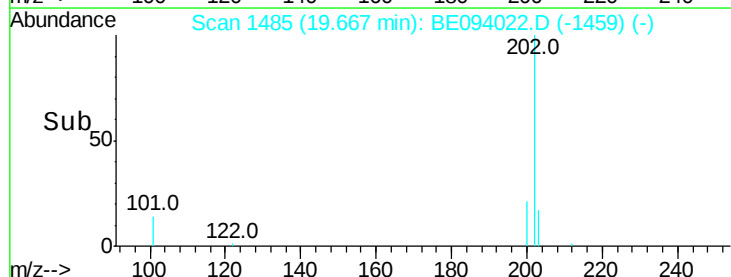
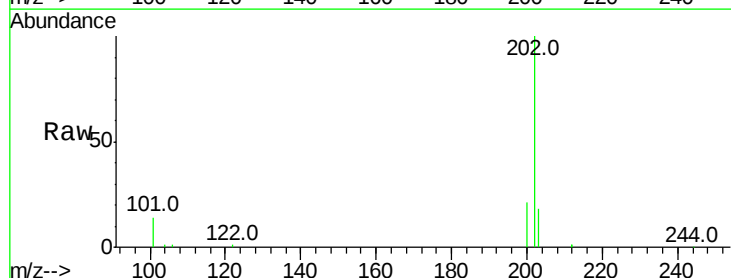
Delta R.T. -0.01 min

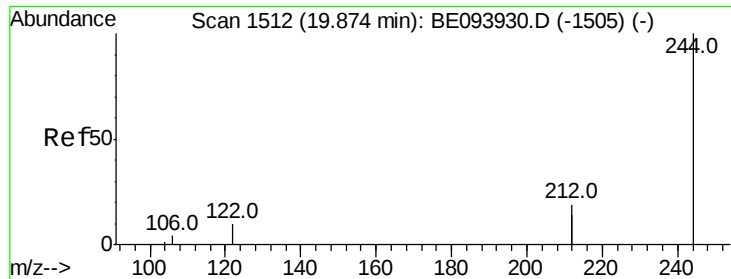
Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Tgt Ion:202 Resp: 21335

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.7	14.2	21.4





#29

Terphenyl-d14

Concen: 0.414 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

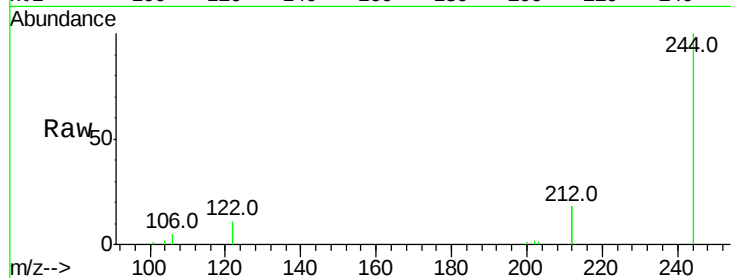
Tot Ion:244 Resp: 11113

Ion Ratio Lower Upper

244 100

212 35.1 28.3 42.5

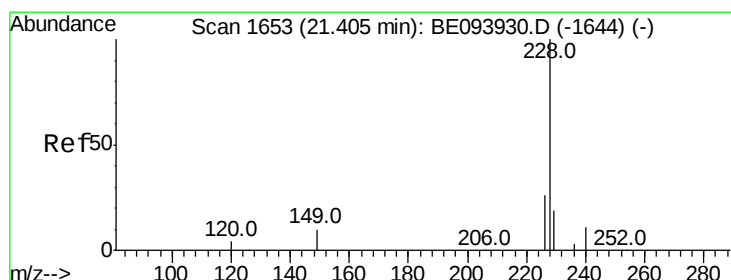
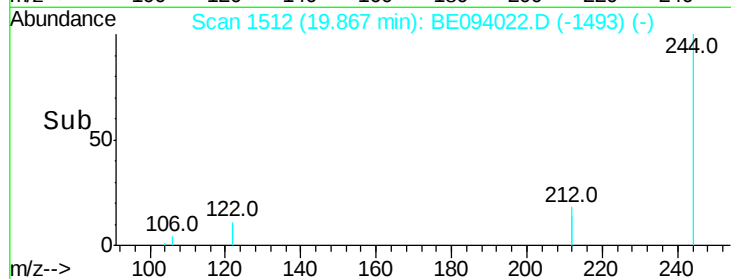
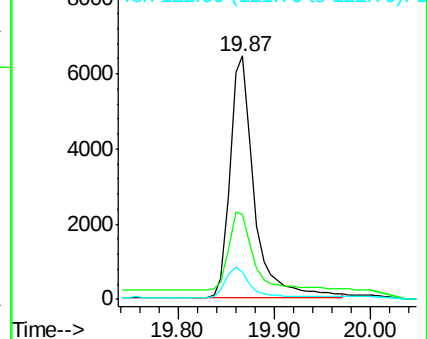
122 11.5 9.4 14.0



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: 0.361 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

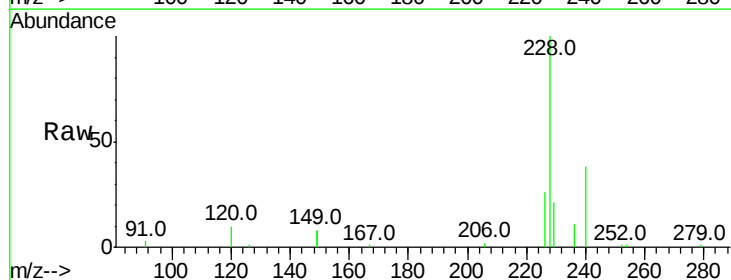
Tgt Ion:228 Resp: 16191

Ion Ratio Lower Upper

228 100

226 26.1 20.8 31.2

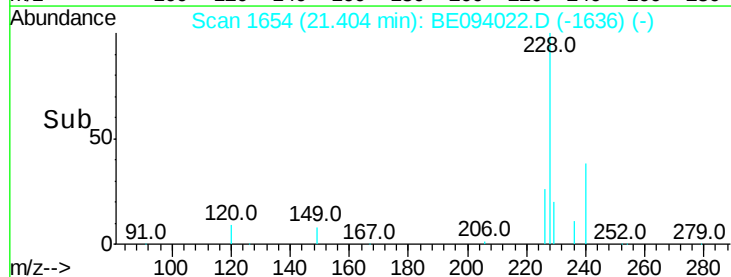
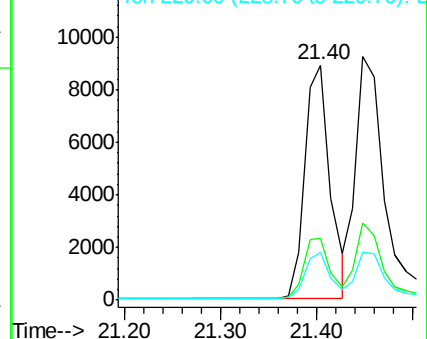
229 20.5 16.6 25.0

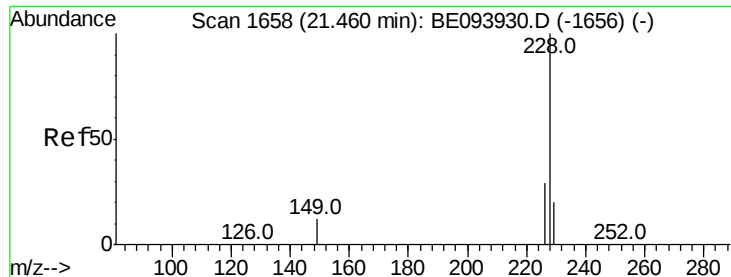


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.406 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampled :

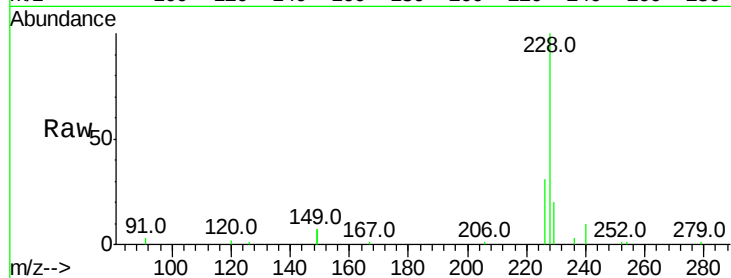
Tot Ion:228 Resp: 19247

Ion Ratio Lower Upper

228 100

226 31.5 24.6 37.0

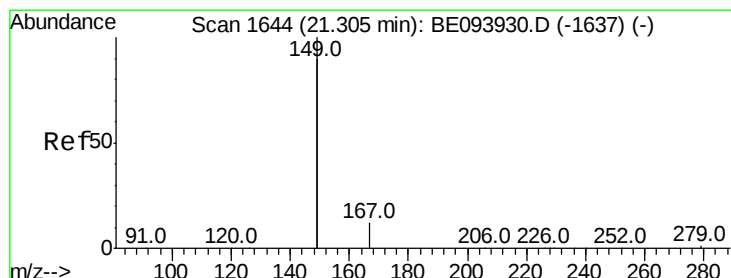
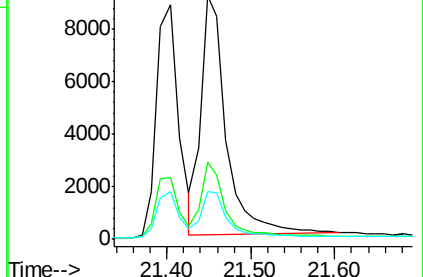
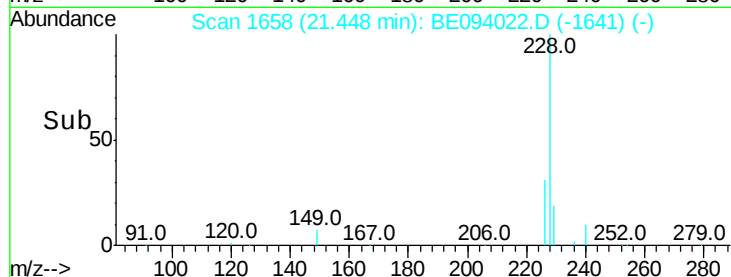
229 19.5 15.8 23.8



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: 0.326 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

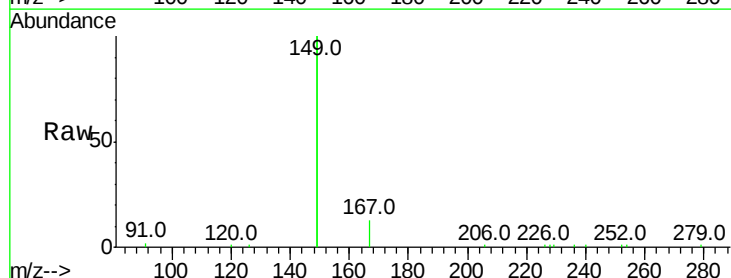
Tgt Ion:149 Resp: 35471

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

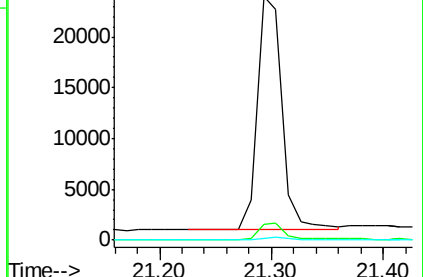
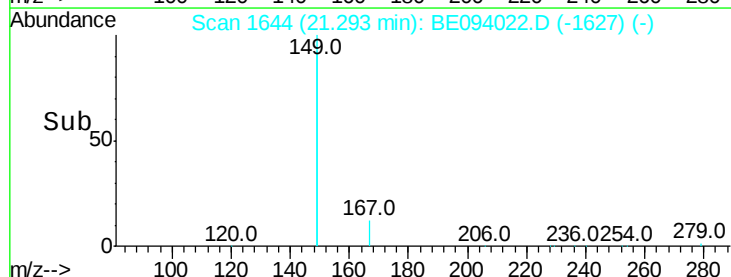
279 0.9 0.7 1.1

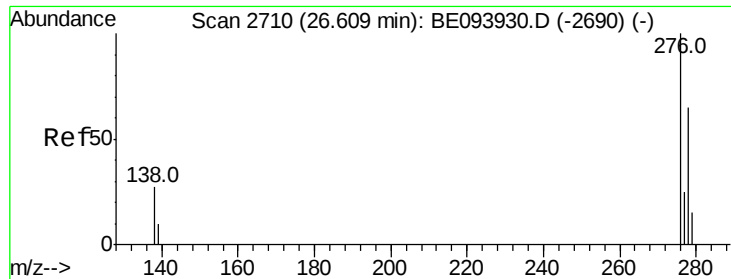


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

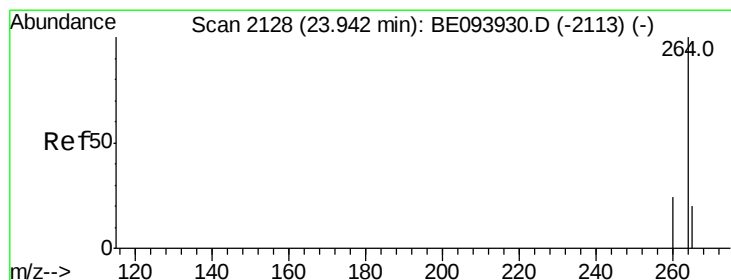
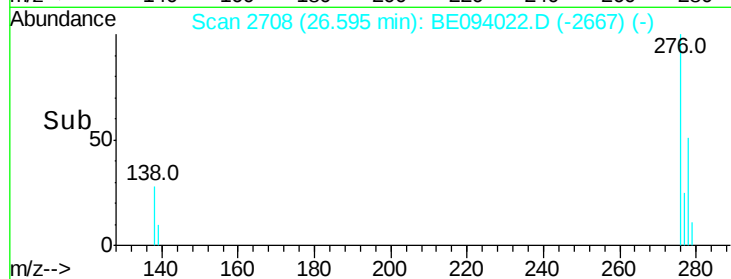
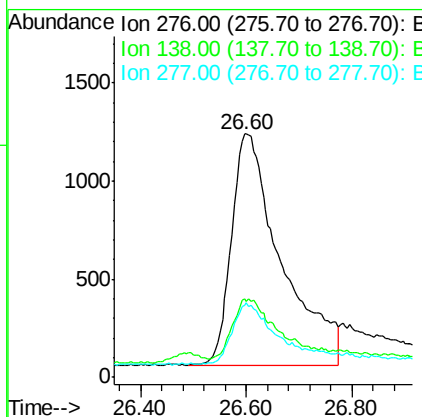
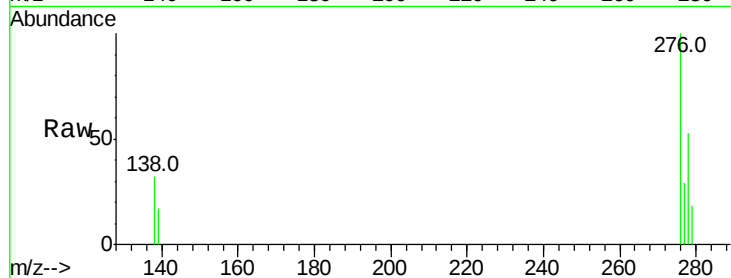




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.244 ng
 RT: 26.60 min Scan# 2708
 Delta R.T. -0.01 min
 Lab File: BE094022.D
 Acq: 18 Sep 2017 15:40

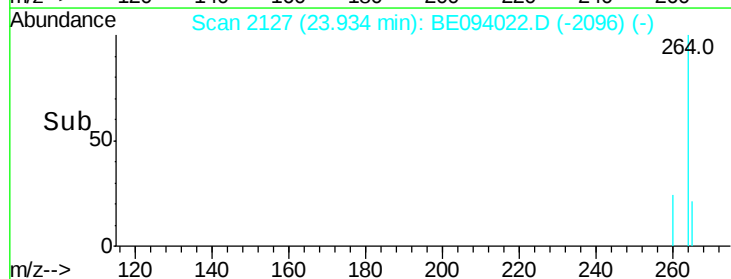
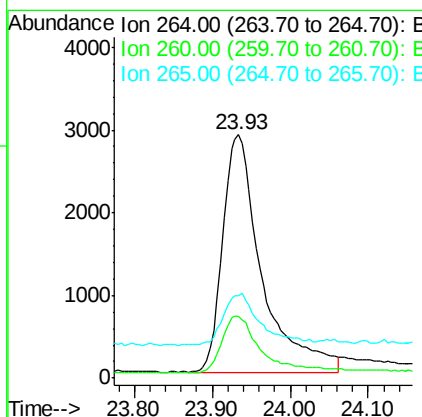
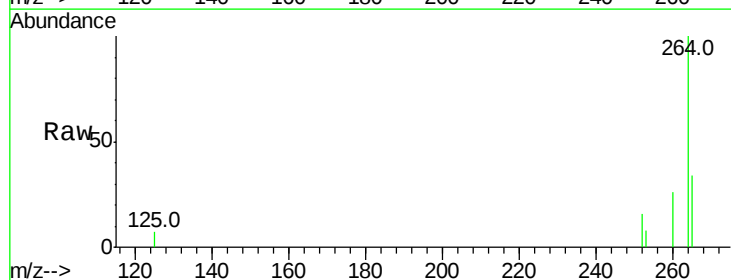
Instrument :
 BNA_E
 ClientSampleId :

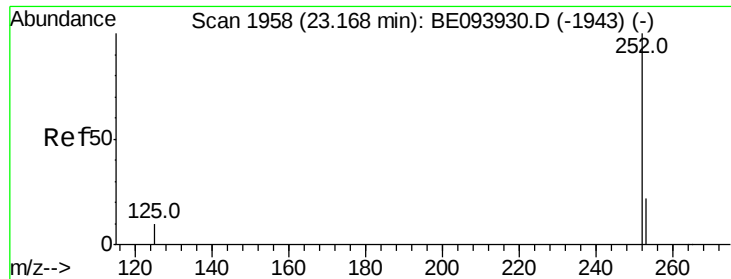
Tot Ion:276 Resp: 7712
 Ion Ratio Lower Upper
 276 100
 138 7.5 22.2 33.2#
 277 24.7 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE094022.D
 Acq: 18 Sep 2017 15:40

Tgt Ion:264 Resp: 10022
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.0 30.0
 265 33.8 24.0 36.0





#35

Benzo(b)fluoranthene

Concen: 0.392 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

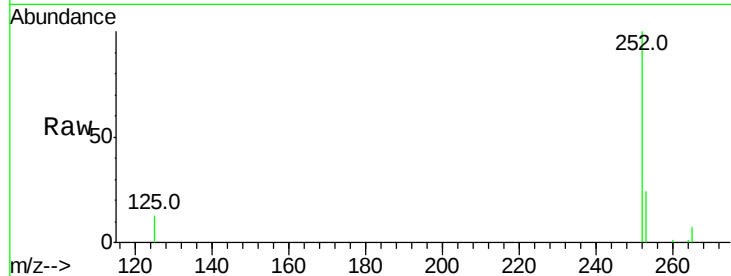
Tot Ion:252 Resp: 12511

Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.0

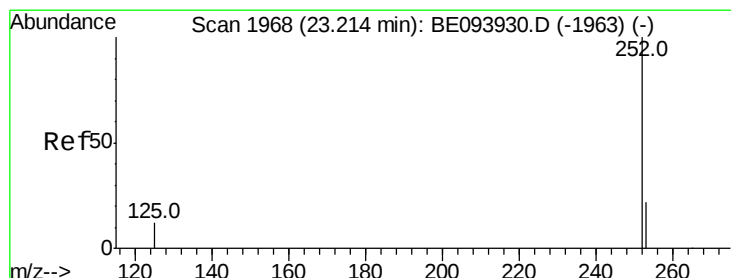
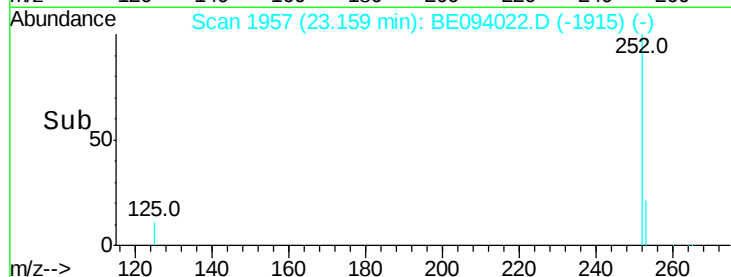
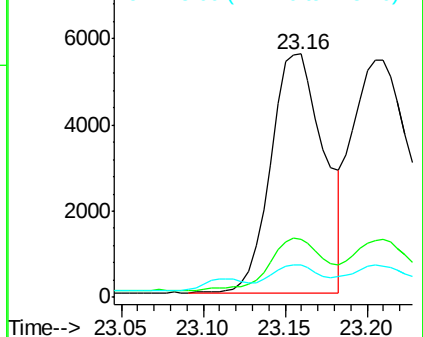
125 13.1 10.0 15.0



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: 0.463 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

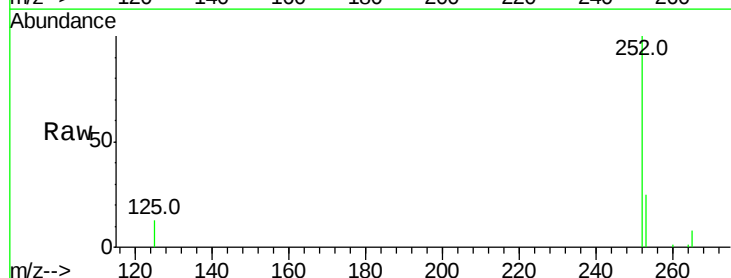
Tgt Ion:252 Resp: 18119

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

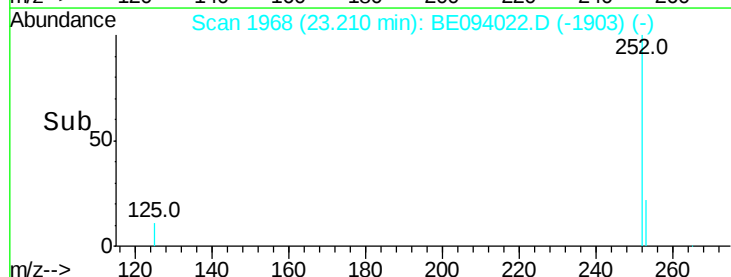
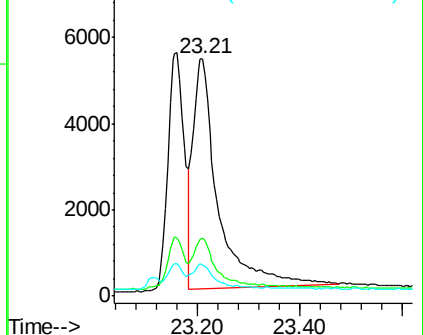
125 13.3 9.8 14.6

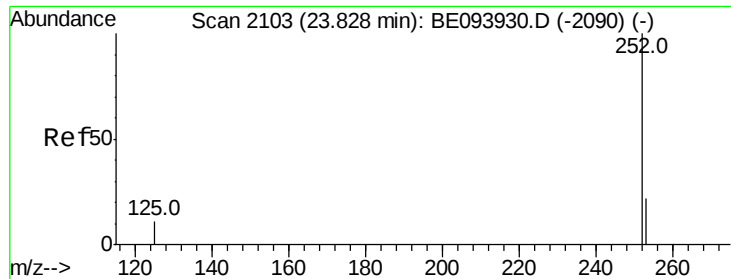


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.82 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :

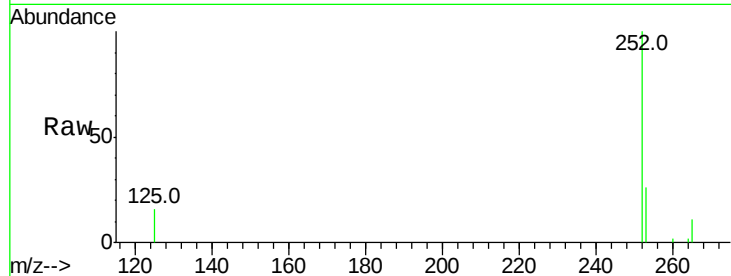
Tot Ion:252 Resp: 12465

Ion Ratio Lower Upper

252 100

253 25.8 19.6 29.4

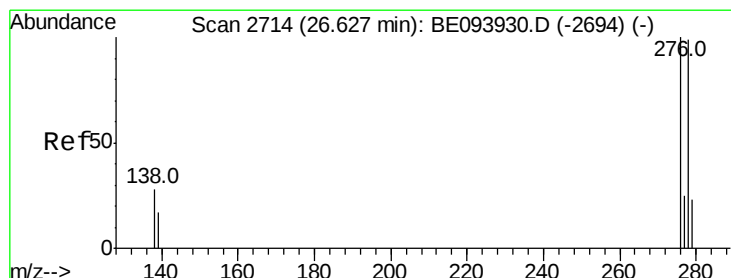
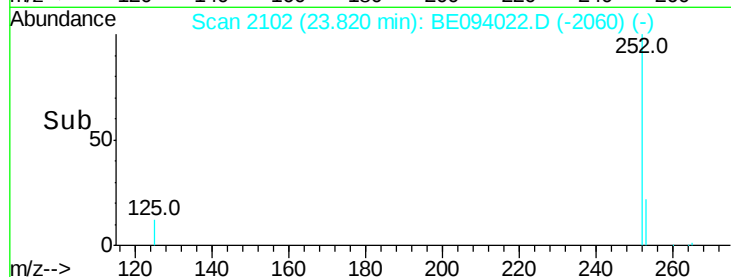
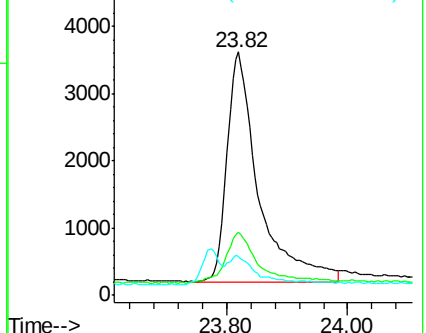
125 16.1 11.8 17.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.268 ng

RT: 26.63 min Scan# 2715

Delta R.T. 0.00 min

Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

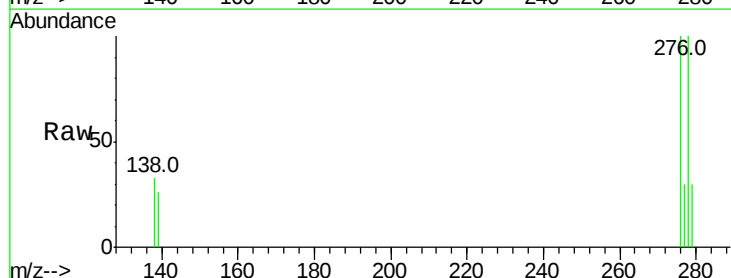
Tgt Ion:278 Resp: 5777

Ion Ratio Lower Upper

278 100

139 26.3 16.7 25.1#

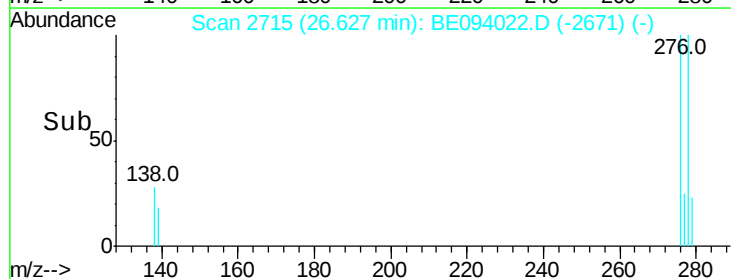
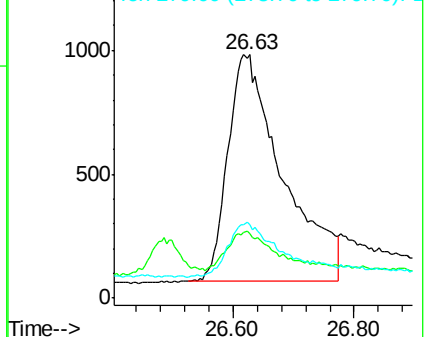
279 30.3 21.6 32.4

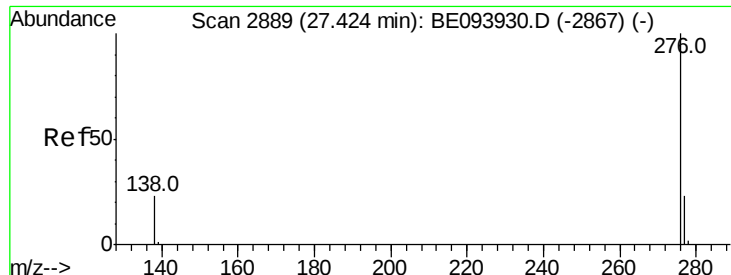


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.307 ng

RT: 27.41 min Scan# 2887

Delta R.T. -0.01 min

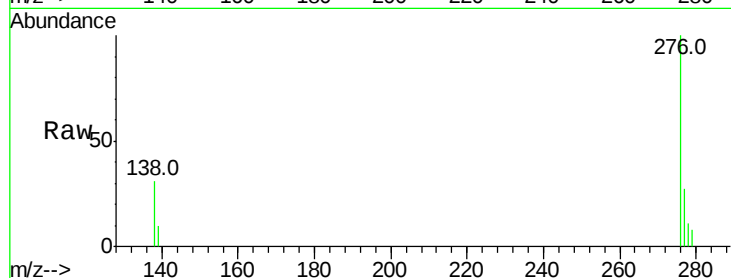
Lab File: BE094022.D

Acq: 18 Sep 2017 15:40

Instrument :

BNA_E

ClientSampleId :



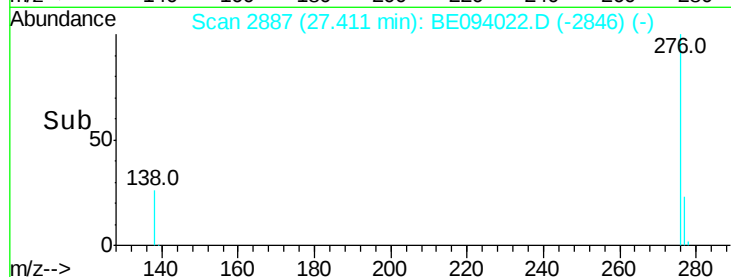
Tot Ion: 276 Resp: 6979

Ion Ratio Lower Upper

276 100

277 27.0 20.6 30.8

138 30.8 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

