

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111617\
 Data File : BE094820.D
 Acq On : 15 Nov 2017 18:24
 Operator : SJ/JU
 Sample : PB104239BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 16 01:52:47 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	780	0.40	ng	0.01
7) Naphthalene-d8	10.72	136	3915	0.40	ng	0.02
13) Acenaphthene-d10	14.53	164	2125	0.40	ng	0.02
19) Phenanthrene-d10	17.27	188	5895	0.40	ng	0.03
27) Chrysene-d12	21.44	240	7060	0.40	ng	0.01
34) Perylene-d12	23.99	264	7364	0.40	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.60	112	659	0.25	ng	0.08
5) Phenol-d6	7.21	99	1176	0.29	ng	0.08
8) Nitrobenzene-d5	8.94	82	74	0.02	ng	-0.14
11) 2-Methylnaphthalene-d10	12.33	152	2533	0.40	ng	0.04
14) 2,4,6-Tribromophenol	16.09	330	201	0.34	ng	0.07
15) 2-Fluorobiphenyl	13.18	172	2502	0.33	ng	0.03
25) Fluoranthene-d10	19.30	212	22384	0.29	ng	0.02
29) Terphenyl-d14	19.88	244	3864	0.29	ng	0.01

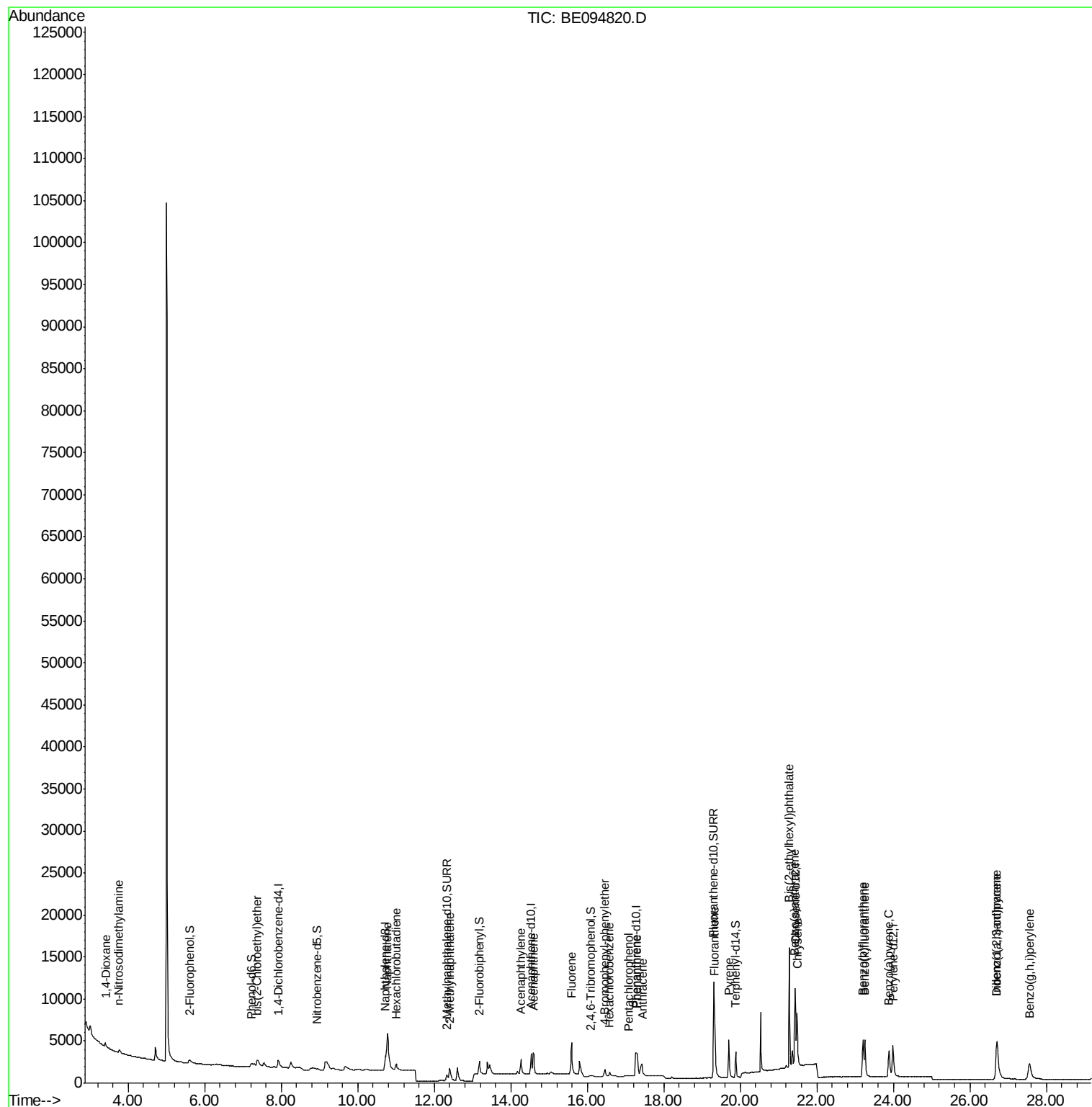
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	382	0.29	ng	# 1
3) n-Nitrosodimethylamine	3.75	42	338	0.27	ng	# 53
6) bis(2-Chloroethyl)ether	7.38	93	724	0.23	ng	82
9) Naphthalene	10.77	128	12997	0.29	ng	# 98
10) Hexachlorobutadiene	11.01	225	548	0.34	ng	99
12) 2-Methylnaphthalene	12.40	142	2170	0.29	ng	98
16) Acenaphthylene	14.26	152	3282	0.29	ng	99
17) Acenaphthene	14.60	154	2076	0.29	ng	98
18) Fluorene	15.59	166	2672	0.29	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	763	0.24	ng	# 84
21) Hexachlorobenzene	16.58	284	696	0.25	ng	# 92
22) Pentachlorophenol	17.07	266	156	0.43	ng	93
23) Phenanthrene	17.30	178	4723	0.28	ng	99
24) Anthracene	17.43	178	4469	0.26	ng	# 80
26) Fluoranthene	19.33	202	6085	0.25	ng	98
28) Pyrene	19.70	202	6390	0.26	ng	99
30) Benzo(a)anthracene	21.43	228	7552	0.33	ng	# 63
31) Chrysene	21.48	228	7280	0.31	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.28	149	17117	0.30	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	8050	0.37	ng	96
35) Benzo(b)fluoranthene	23.21	252	7277	0.31	ng	# 42
36) Benzo(k)fluoranthene	23.26	252	8423	0.33	ng	# 41
37) Benzo(a)pyrene	23.88	252	7660	0.33	ng	# 36
38) Dibenzo(a,h)anthracene	26.70	278	6919	0.33	ng	# 46
39) Benzo(g,h,i)perylene	27.56	276	6834	0.35	ng	# 57

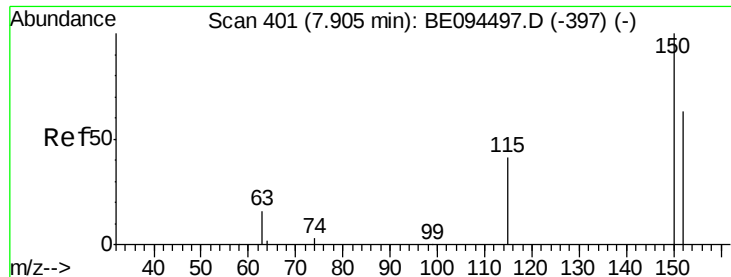
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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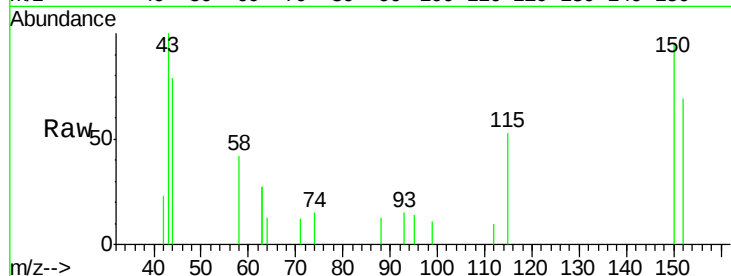


#1

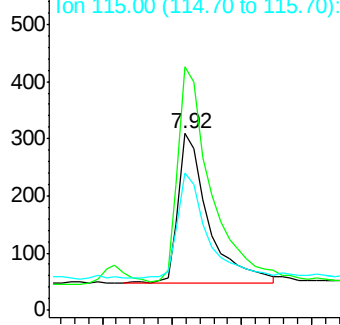
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.92 min Scan# 402
Delta R.T. 0.01 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

Instrument :
BNA_E
ClientSampled :

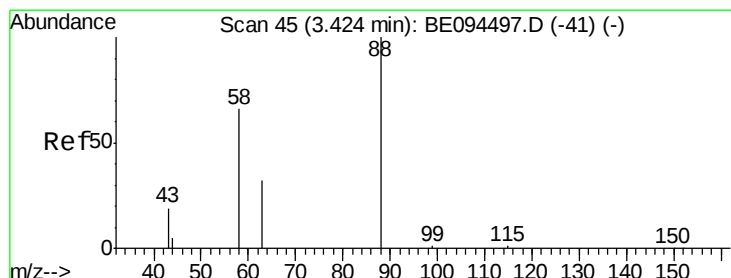
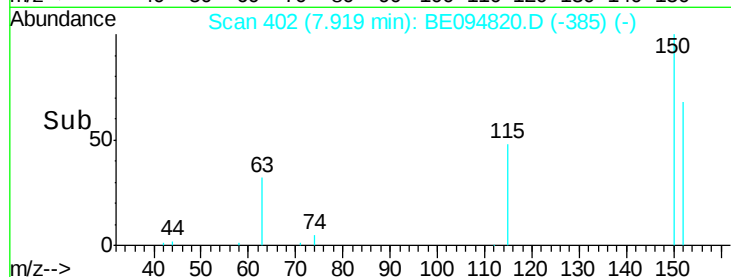
Tot Ion:152 Resp: 780
Ion Ratio Lower Upper
152 100
150 137.9 117.2 175.8
115 77.3 57.0 85.6



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



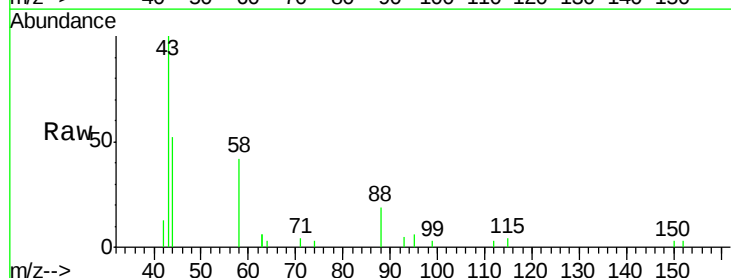
Time-->



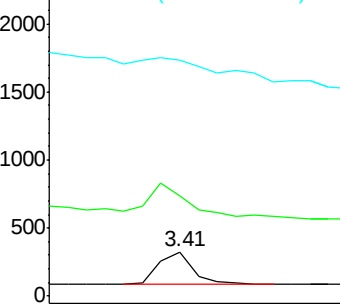
#2

1,4-Dioxane
Concen: 0.29 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

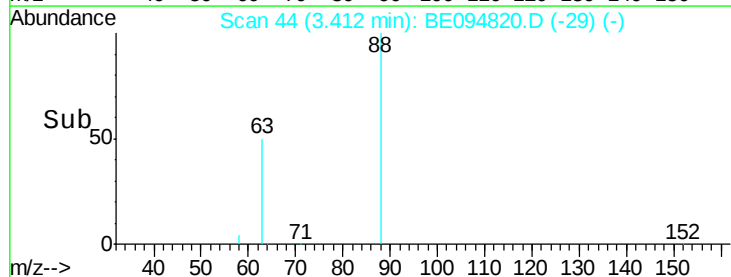
Tgt Ion: 88 Resp: 382
Ion Ratio Lower Upper
88 100
58 237.2 63.2 94.8#
43 0.0 41.2 61.8#

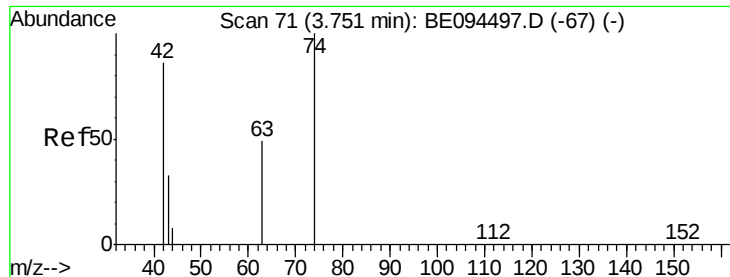


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time-->



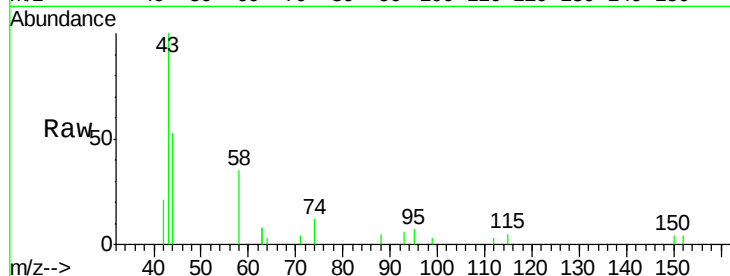


#3

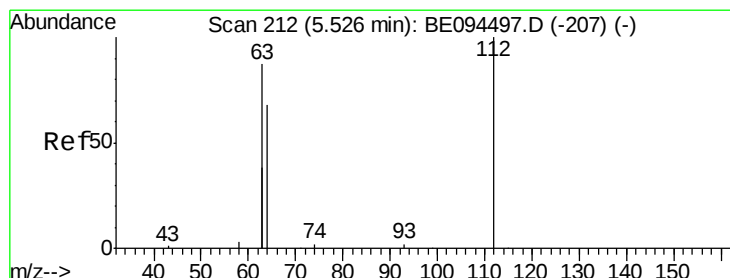
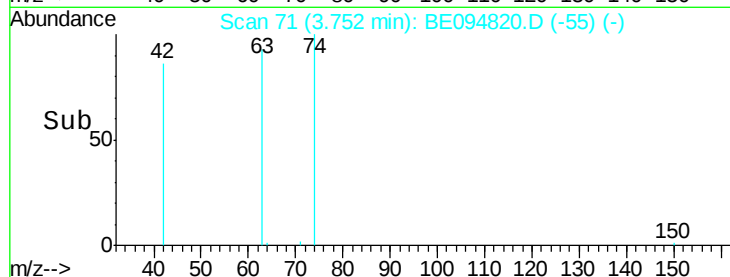
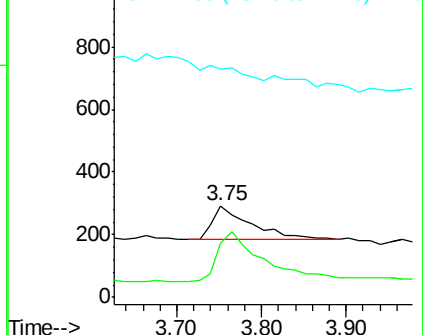
n-Nitrosodimethylamine
Concen: 0.27 ng
RT: 3.75 min Scan# 71
Delta R.T. 0.00 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 338
Ion Ratio Lower Upper
42 100
74 179.9 100.3 150.5#
44 0.0 17.0 25.4#



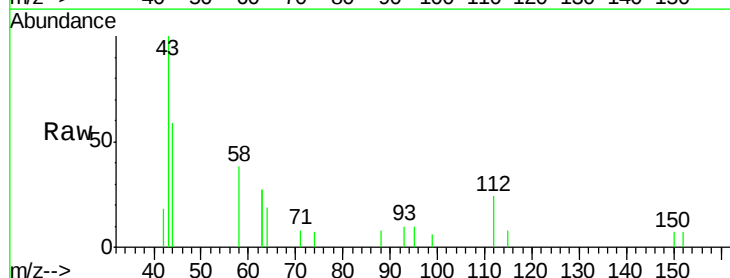
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



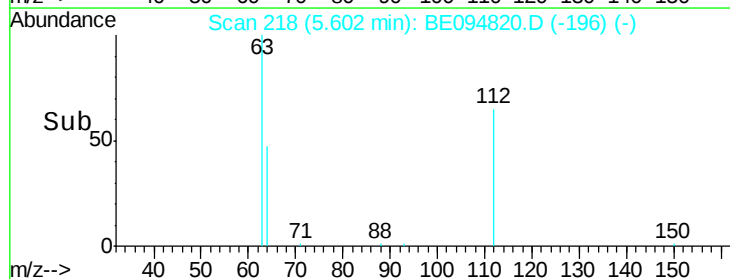
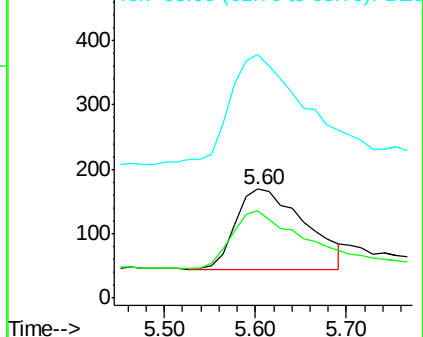
#4

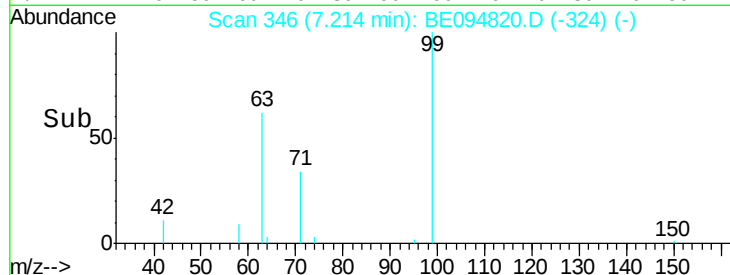
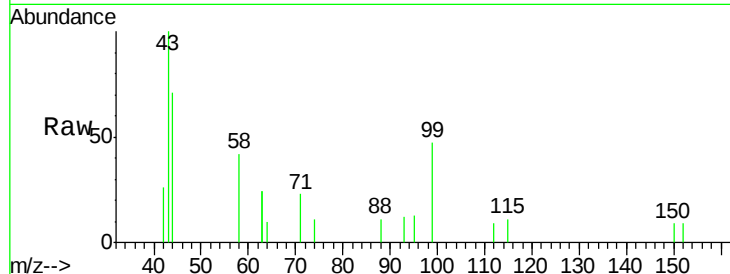
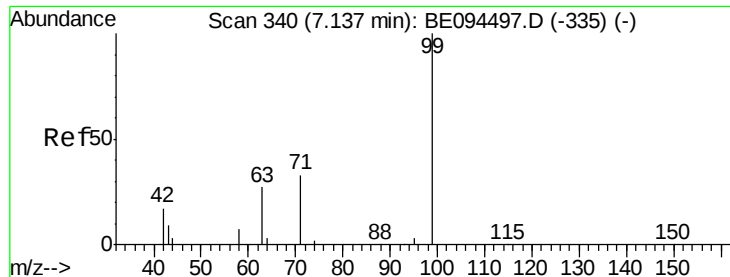
2-Fluorophenol
Concen: 0.25 ng
RT: 5.60 min Scan# 218
Delta R.T. 0.08 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

Tgt Ion: 112 Resp: 659
Ion Ratio Lower Upper
112 100
64 71.6 60.1 90.1
63 141.4 116.8 175.2



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

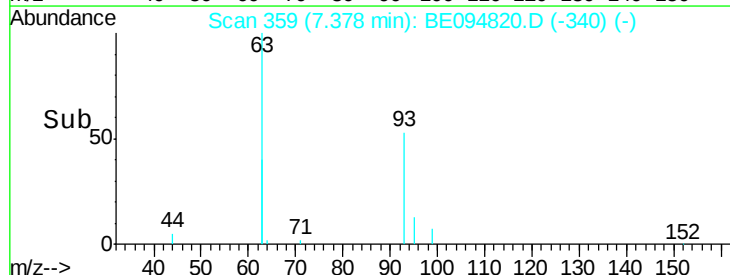
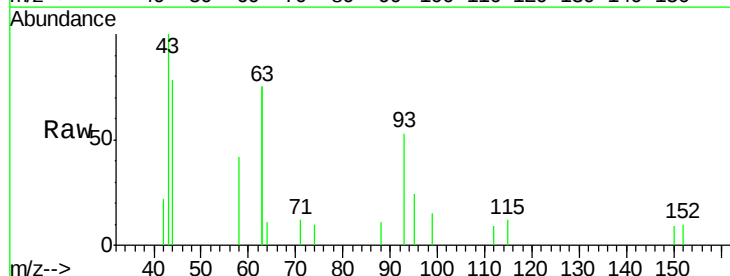
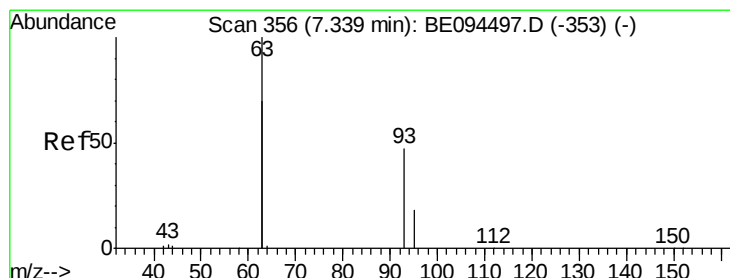
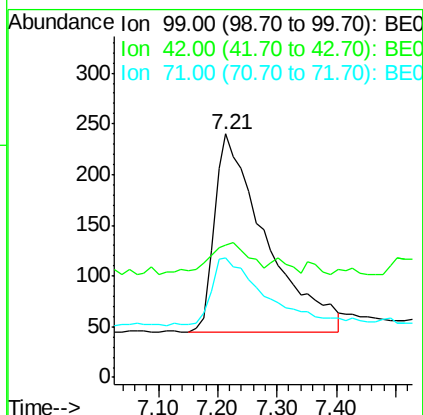




#5
Phenol-d6
Concen: 0.29 ng
RT: 7.21 min Scan# 346
Delta R.T. 0.08 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

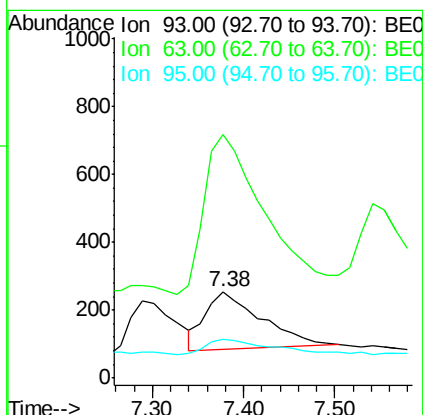
Instrument :
BNA_E
ClientSampled :

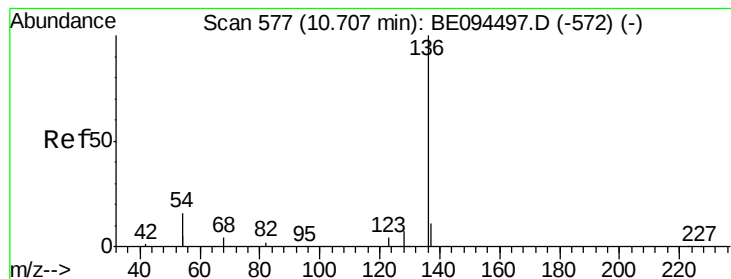
Tot Ion: 99 Resp: 1176
Ion Ratio Lower Upper
99 100
42 12.3 20.2 30.2#
71 35.6 28.4 42.6



#6
bis(2-Chloroethyl)ether
Concen: 0.23 ng
RT: 7.38 min Scan# 359
Delta R.T. 0.04 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

Tgt Ion: 93 Resp: 724
Ion Ratio Lower Upper
93 100
63 302.8 275.3 412.9
95 29.8 25.2 37.8





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.02 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3915

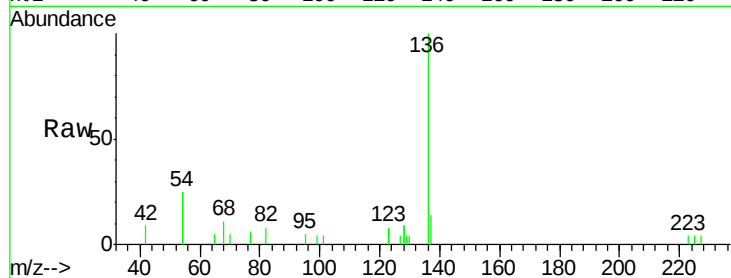
Ion Ratio Lower Upper

136 100

137 14.2 9.5 14.3

54 49.5 29.1 43.7#

68 10.7 6.2 9.2#

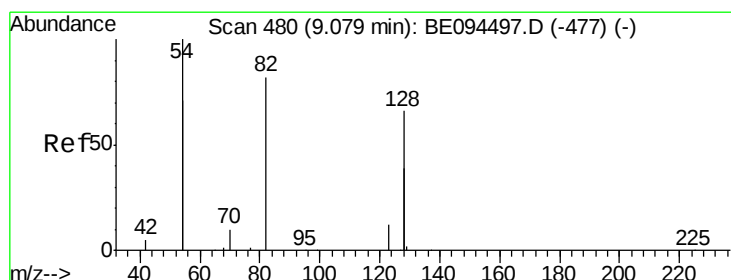
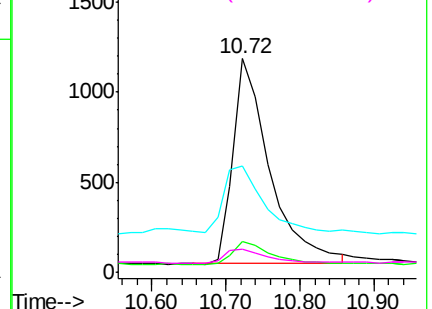
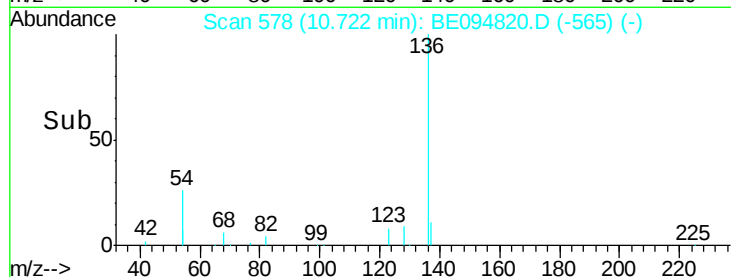


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.02 ng

RT: 8.94 min Scan# 472

Delta R.T. -0.14 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

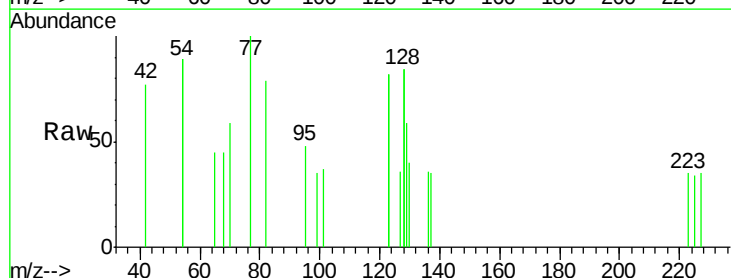
Tgt Ion: 82 Resp: 74

Ion Ratio Lower Upper

82 100

128 211.7 150.0 225.0

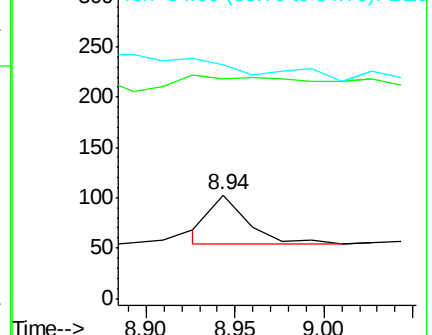
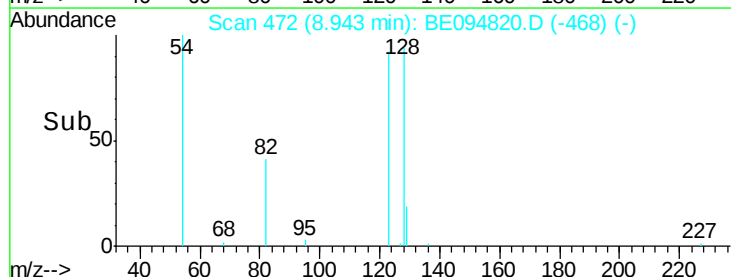
54 225.2 154.2 231.4

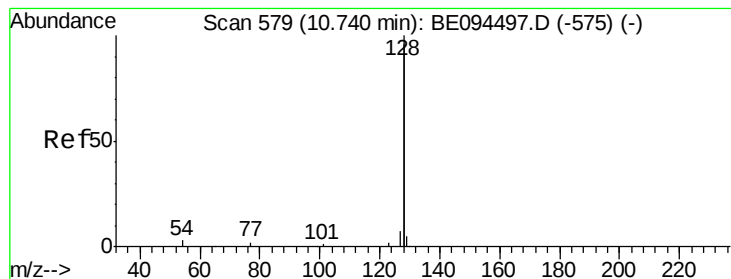


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.29 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.03 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampled :

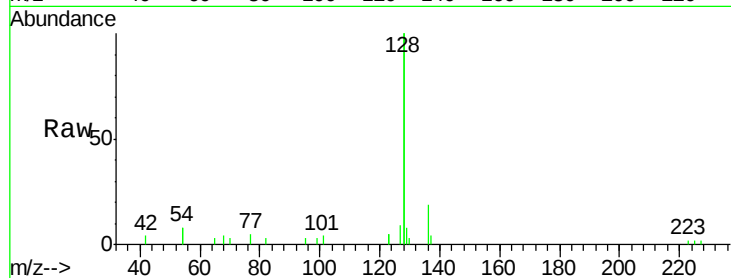
Tot Ion:128 Resp: 12997

Ion Ratio Lower Upper

128 100

129 4.0 2.6 3.8#

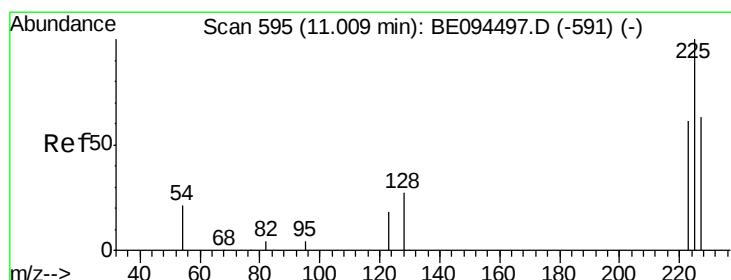
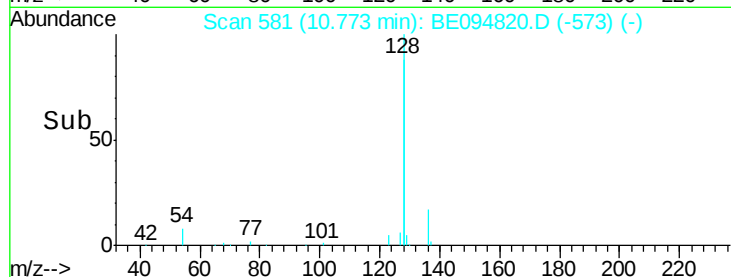
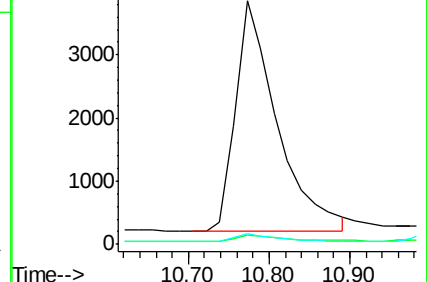
127 4.4 2.8 4.2#



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: 0.34 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

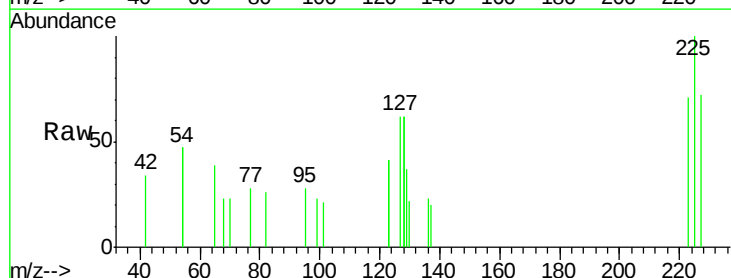
Tgt Ion:225 Resp: 548

Ion Ratio Lower Upper

225 100

223 64.8 53.0 79.6

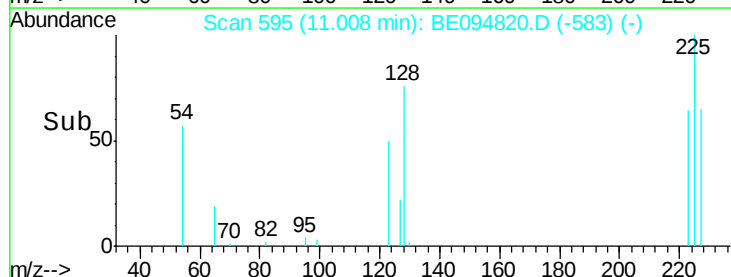
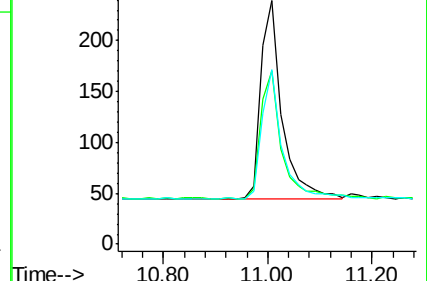
227 63.9 51.4 77.2

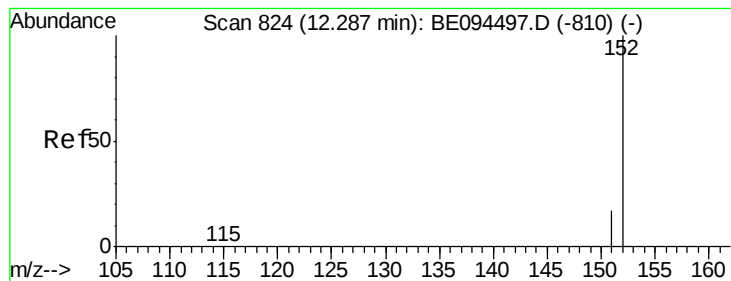


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.40 ng

RT: 12.33 min Scan# 834

Delta R.T. 0.04 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

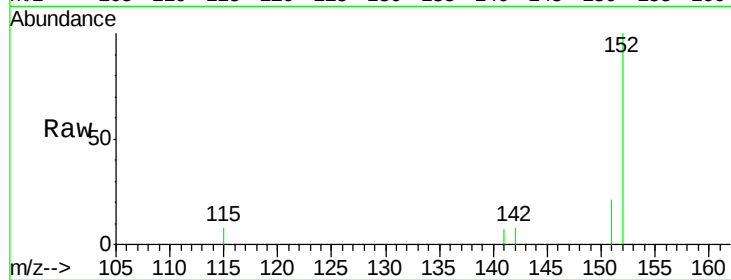
ClientSampleId :

Tot Ion:152 Resp: 2533

Ion Ratio Lower Upper

152 100

151 15.1 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.33

800

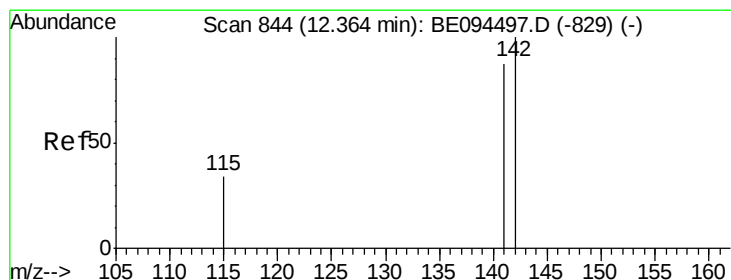
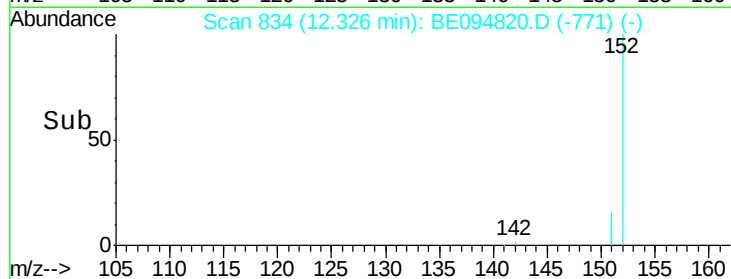
600

400

200

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.29 ng

RT: 12.40 min Scan# 854

Delta R.T. 0.04 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

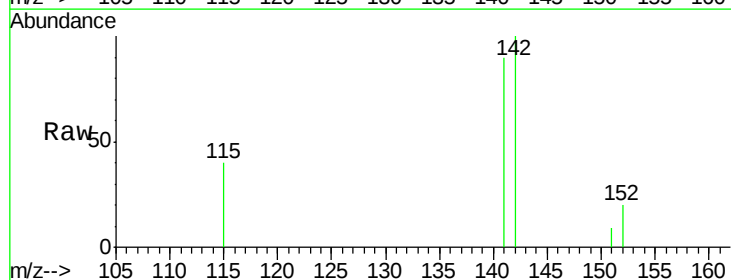
Tgt Ion:142 Resp: 2170

Ion Ratio Lower Upper

142 100

141 90.1 70.4 105.6

115 40.3 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.40

1000

800

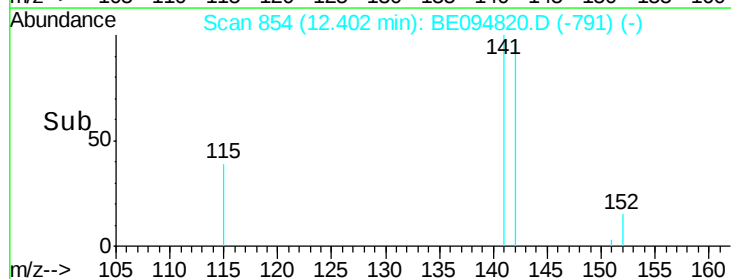
600

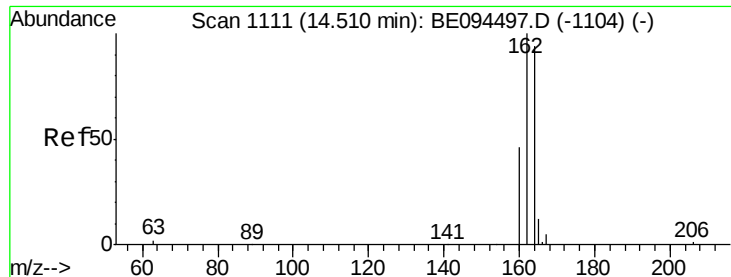
400

200

0

Time--> 12.30 12.40 12.50 12.60





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.02 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

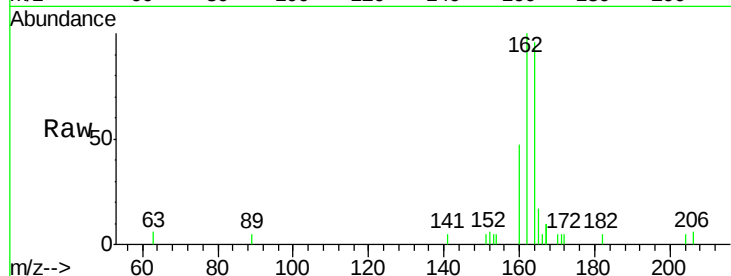
Tot Ion:164 Resp: 2125

Ion Ratio Lower Upper

164 100

162 103.6 83.1 124.7

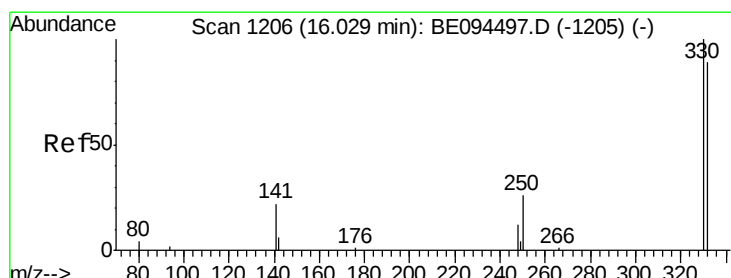
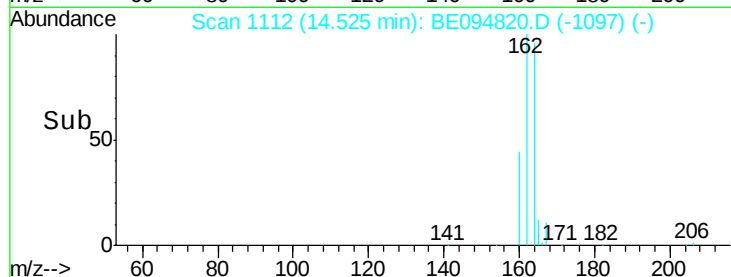
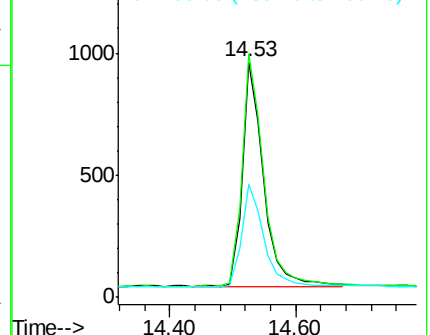
160 48.2 37.1 55.7



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: 0.34 ng

RT: 16.09 min Scan# 1208

Delta R.T. 0.07 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

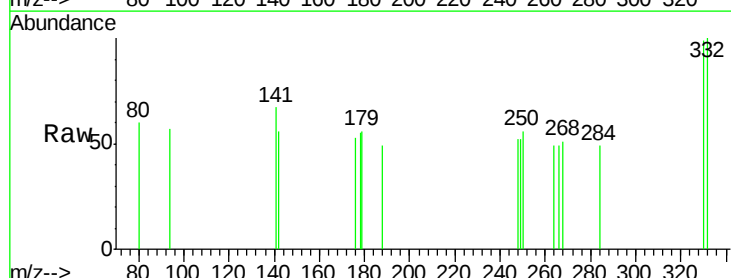
Tgt Ion:330 Resp: 201

Ion Ratio Lower Upper

330 100

332 95.5 152.7 229.1#

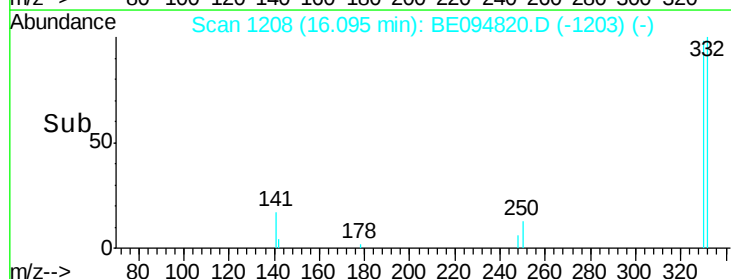
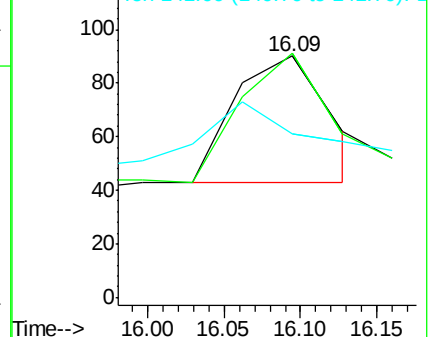
141 0.0 33.7 50.5#

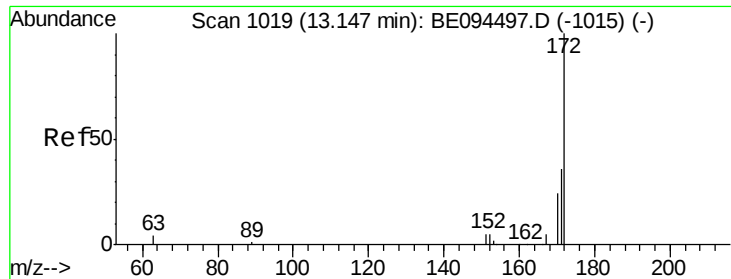


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

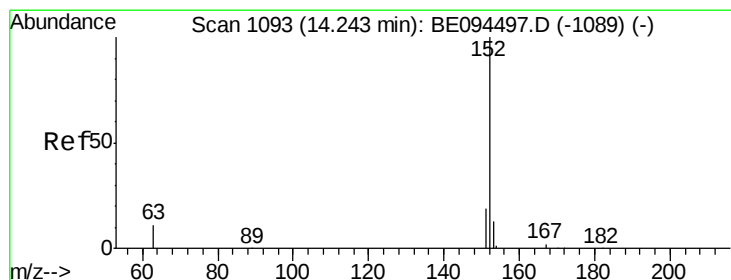
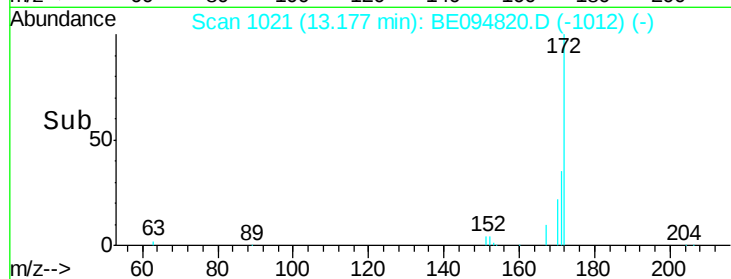
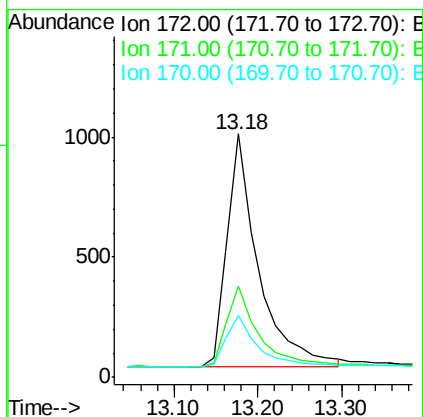
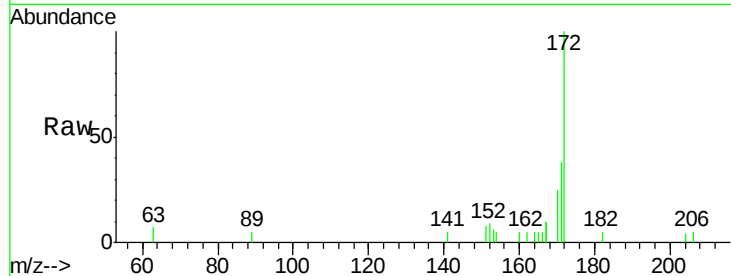




#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.03 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

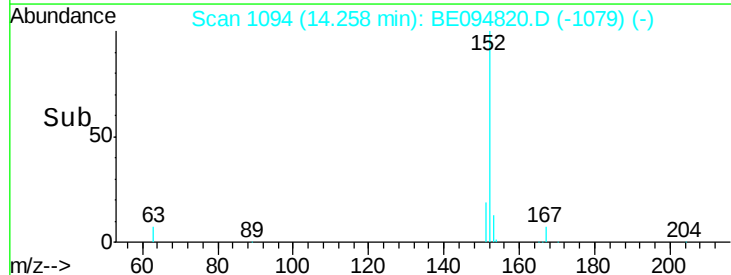
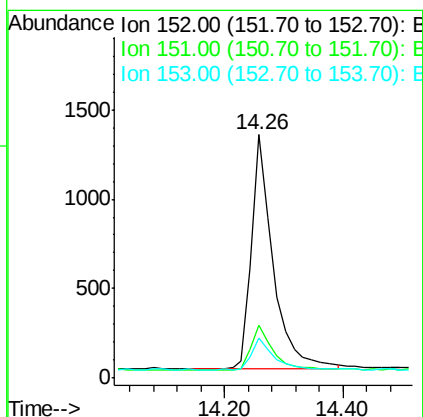
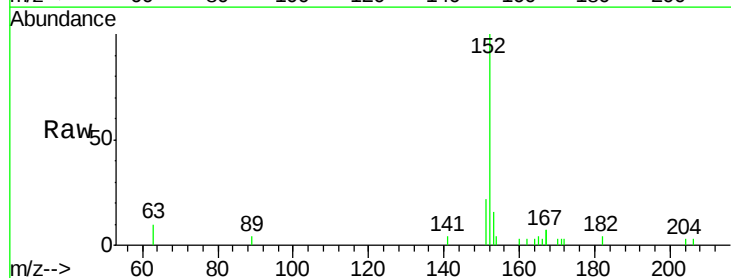
Instrument :
BNA_E
ClientSampled :

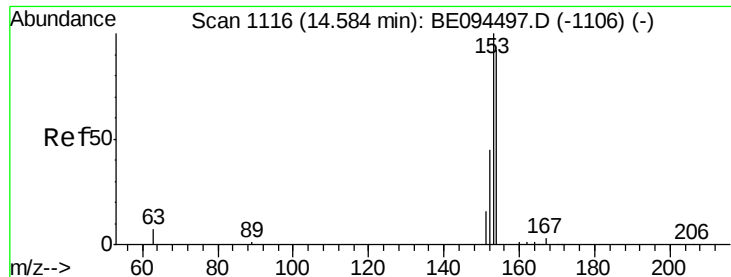
Tot Ion:172 Resp: 2502
Ion Ratio Lower Upper
172 100
171 37.7 29.9 44.9
170 25.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.29 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.02 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

Tgt Ion:152 Resp: 3282
Ion Ratio Lower Upper
152 100
151 18.6 15.7 23.5
153 13.3 10.5 15.7

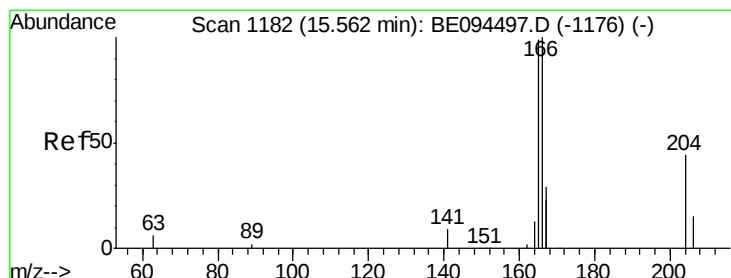
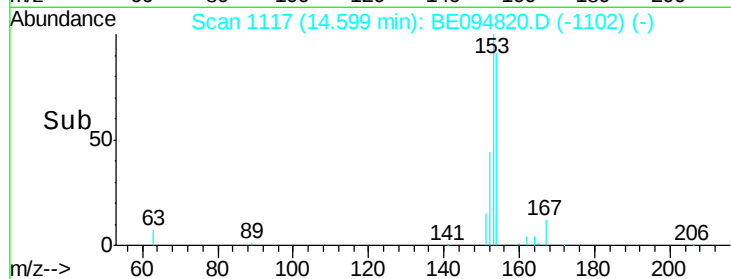
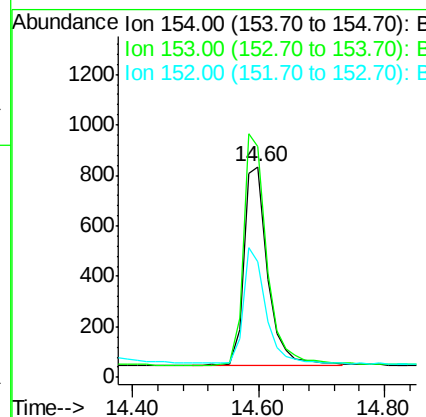
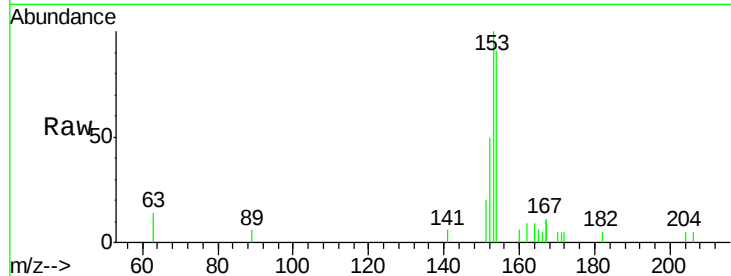




#17
Acenaphthene
Concen: 0.29 ng
RT: 14.60 min Scan# 1117
Delta R.T. 0.02 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

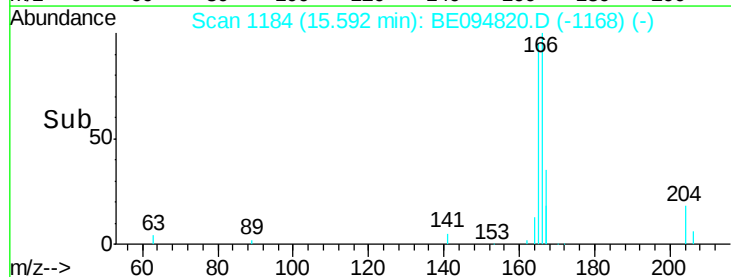
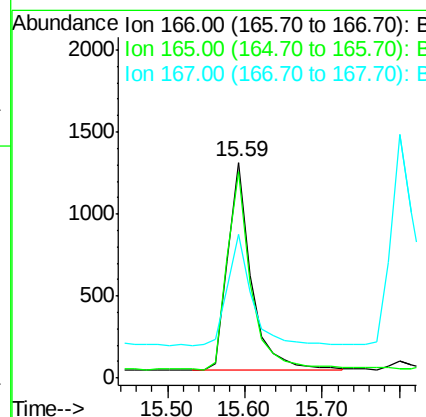
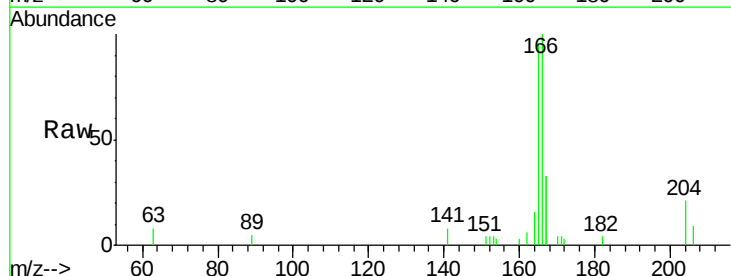
Instrument :
BNA_E
ClientSampleId :

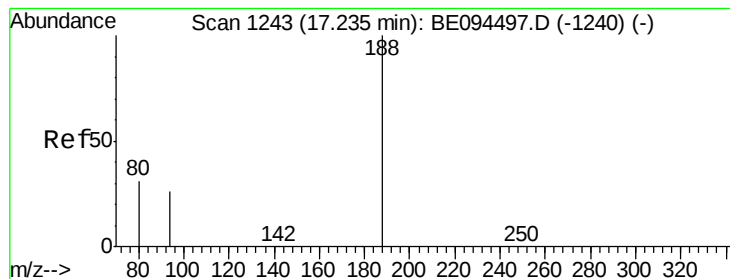
Tot Ion:154 Resp: 2076
Ion Ratio Lower Upper
154 100
153 113.9 89.2 133.8
152 54.5 42.0 63.0



#18
Fluorene
Concen: 0.29 ng
RT: 15.59 min Scan# 1184
Delta R.T. 0.03 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

Tgt Ion:166 Resp: 2672
Ion Ratio Lower Upper
166 100
165 96.3 77.8 116.6
167 55.0 42.4 63.6





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

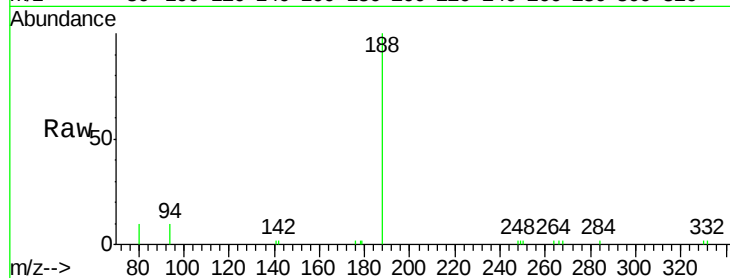
Tot Ion:188 Resp: 5895

Ion Ratio Lower Upper

188 100

94 9.9 3.9 5.9#

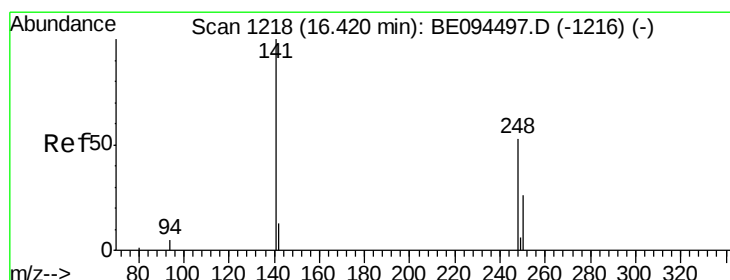
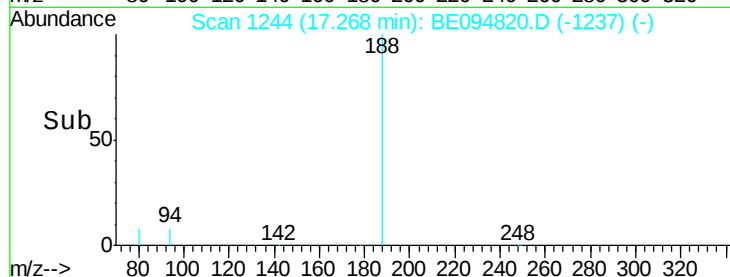
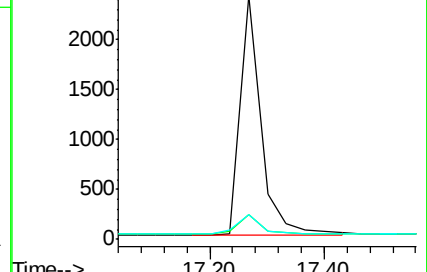
80 10.3 3.6 5.4#



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: 0.24 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.03 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

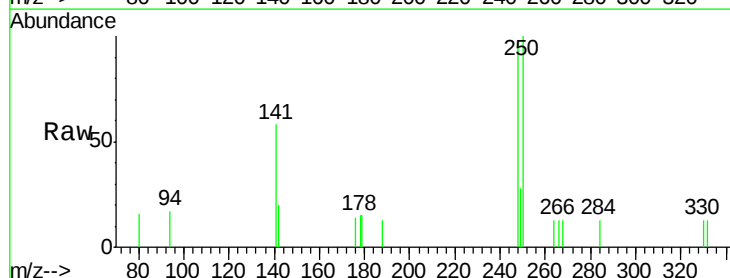
Tgt Ion:248 Resp: 763

Ion Ratio Lower Upper

248 100

250 101.8 62.7 94.1#

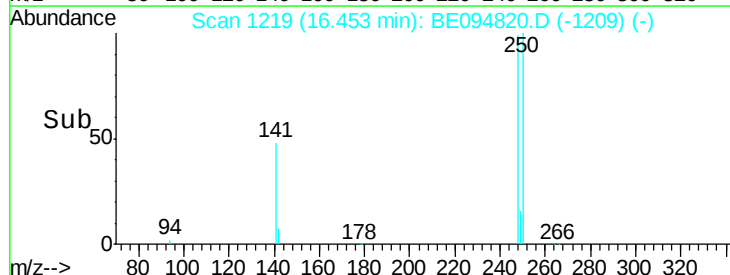
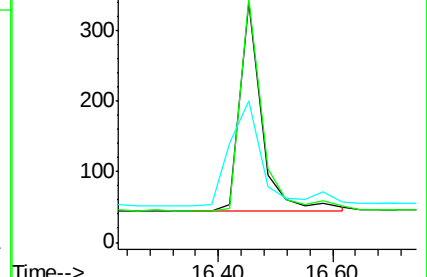
141 59.0 48.2 72.2

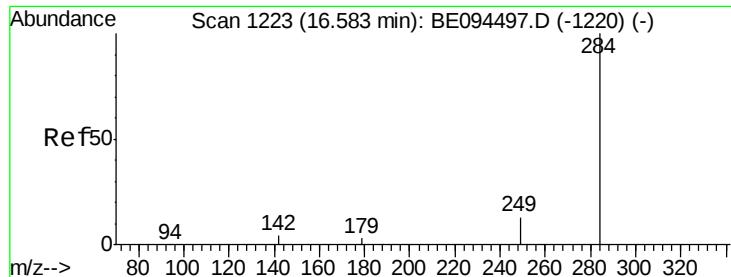


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.25 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampled :

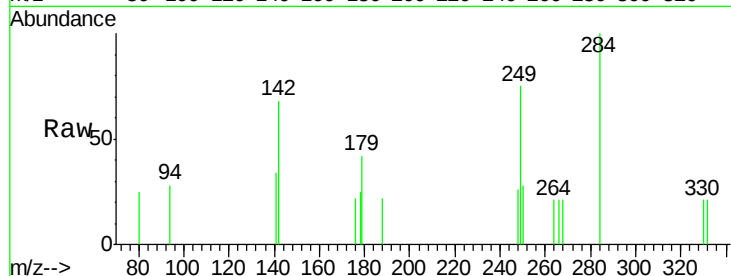
Tot Ion:284 Resp: 696

Ion Ratio Lower Upper

284 100

142 34.3 22.1 33.1#

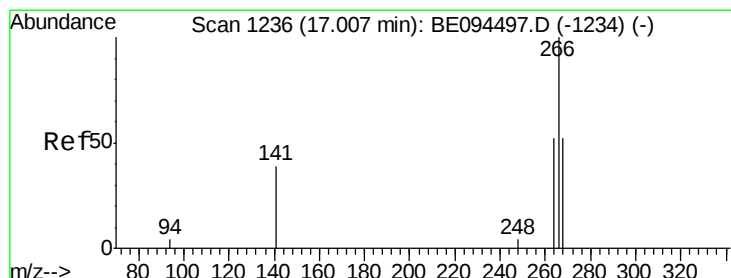
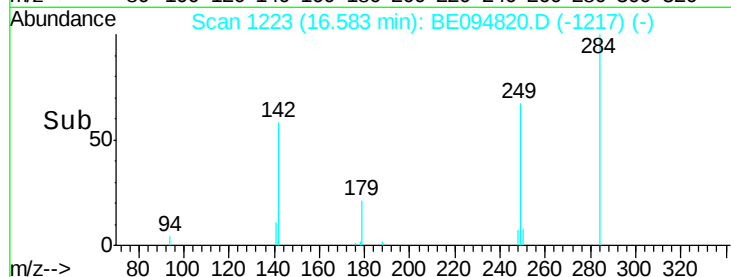
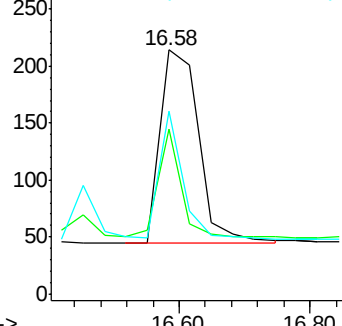
249 40.5 34.8 52.2



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: 0.43 ng

RT: 17.07 min Scan# 1238

Delta R.T. 0.07 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

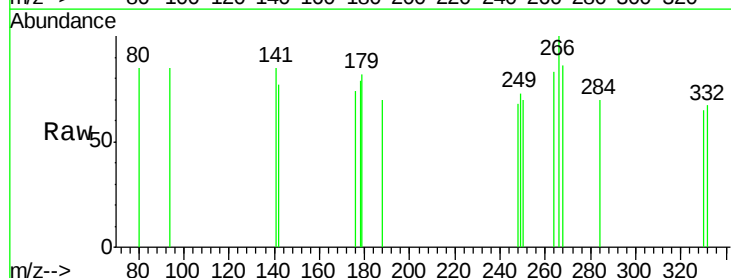
Tgt Ion:266 Resp: 156

Ion Ratio Lower Upper

266 100

264 83.3 72.5 108.7

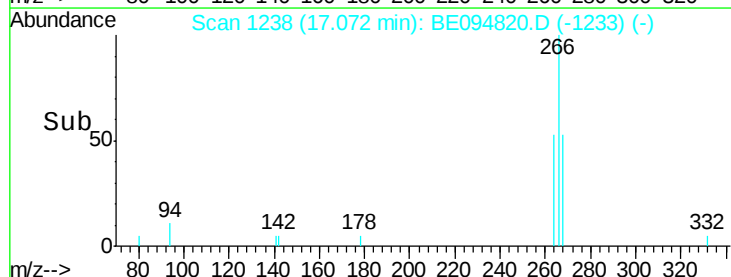
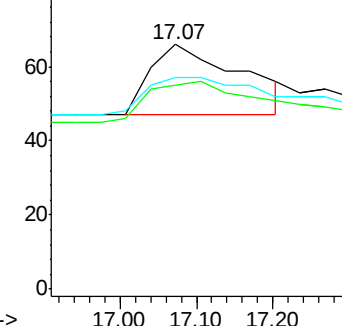
268 86.4 73.8 110.6

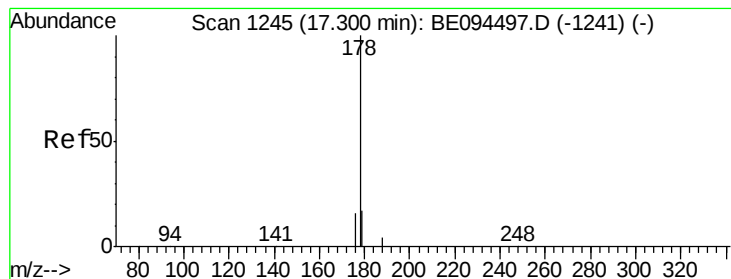


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.28 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

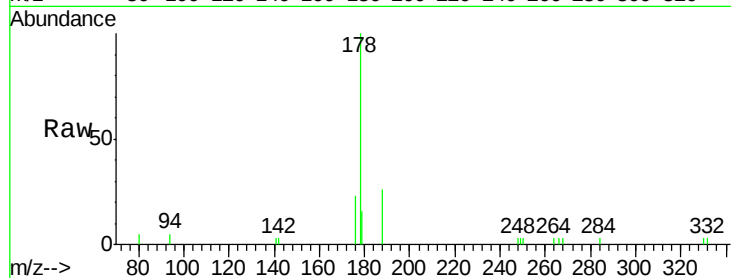
Tot Ion:178 Resp: 4723

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

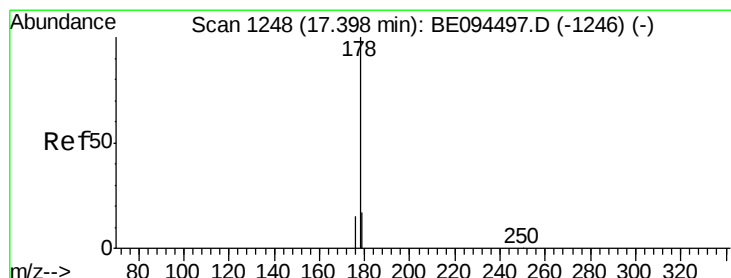
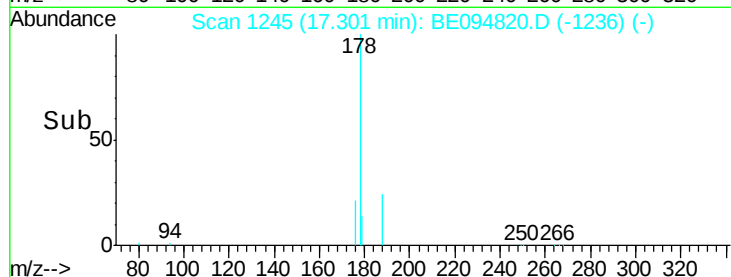
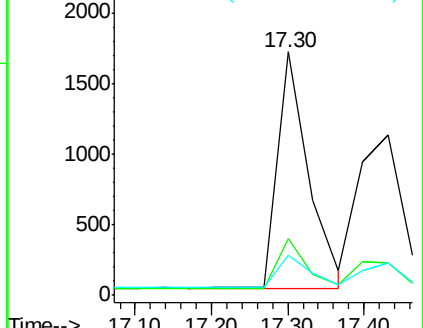
179 14.7 11.8 17.6



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: 0.26 ng

RT: 17.43 min Scan# 1249

Delta R.T. 0.03 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

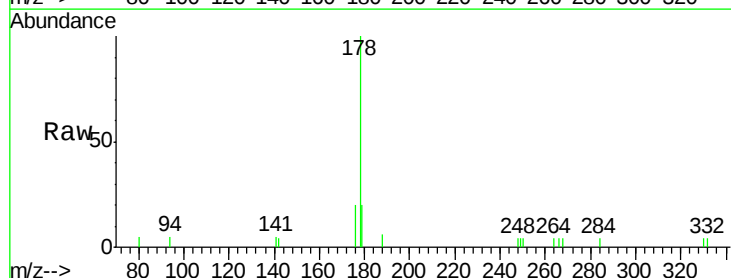
Tgt Ion:178 Resp: 4469

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

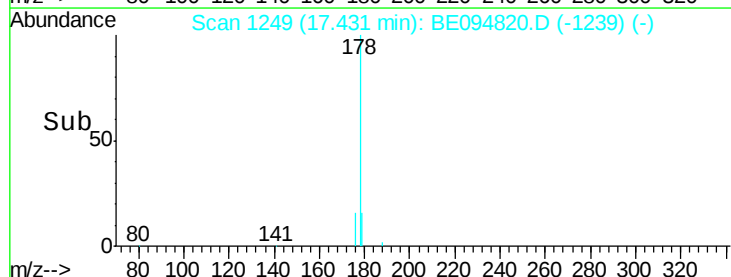
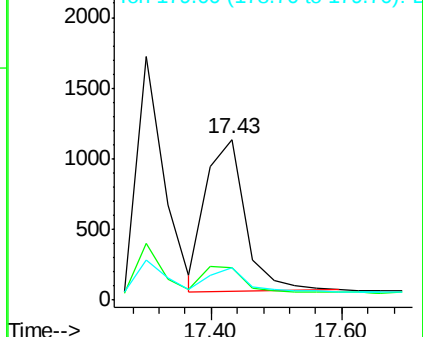
179 15.3 13.0 19.6

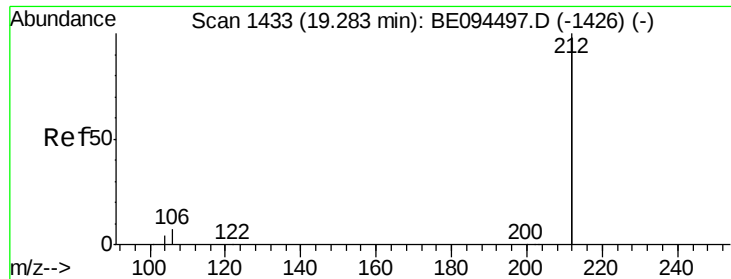


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

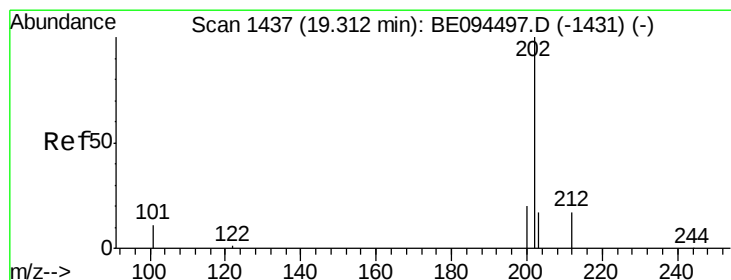
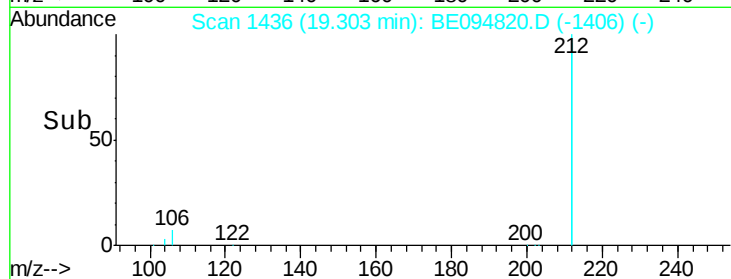
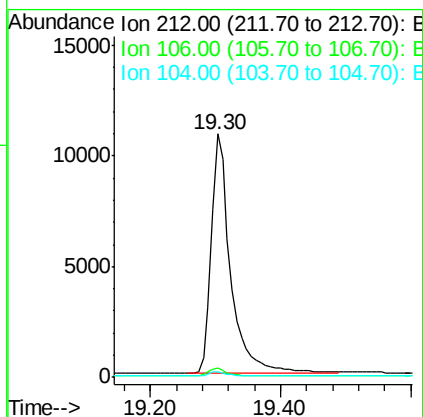
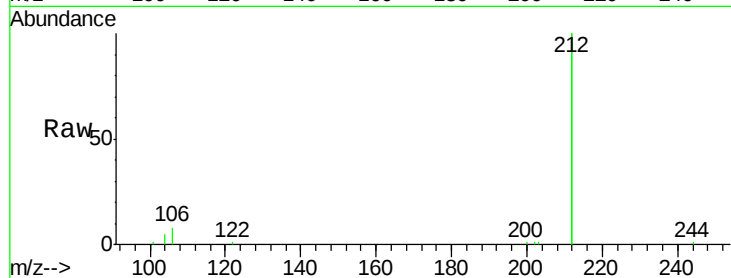




#25
Fluoranthene-d10
Concen: 0.29 ng
RT: 19.30 min Scan# 1436
Delta R.T. 0.02 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

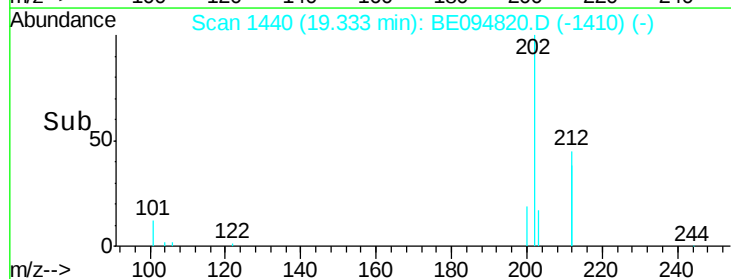
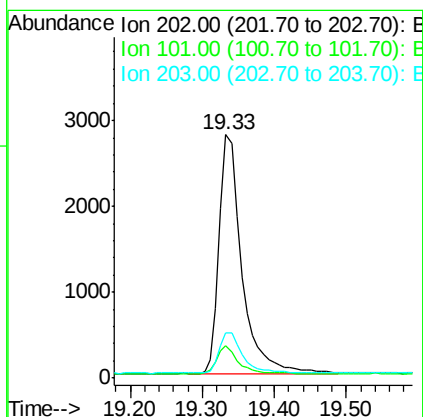
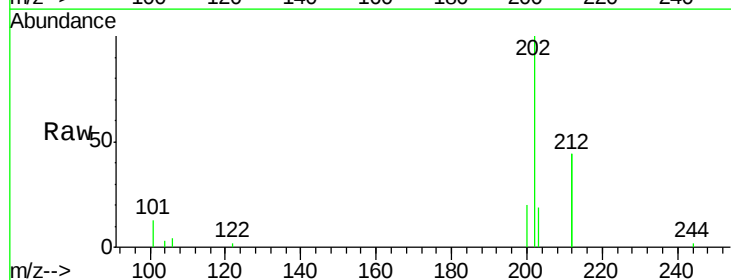
Instrument :
BNA_E
ClientSampled :

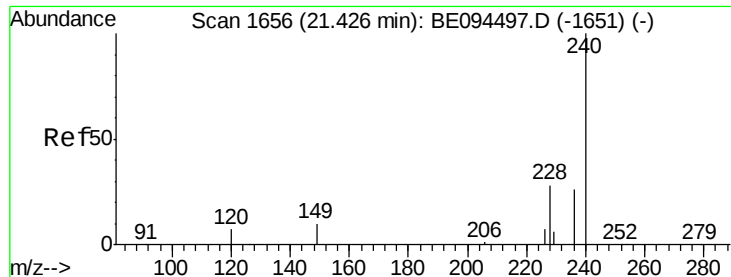
Tot Ion:212 Resp: 22384
Ion Ratio Lower Upper
212 100
106 3.3 2.8 4.2
104 1.8 1.6 2.4



#26
Fluoranthene
Concen: 0.25 ng
RT: 19.33 min Scan# 1440
Delta R.T. 0.02 min
Lab File: BE094820.D
Acq: 15 Nov 2017 18:24

Tgt Ion:202 Resp: 6085
Ion Ratio Lower Upper
202 100
101 10.9 9.8 14.8
203 17.4 13.7 20.5





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

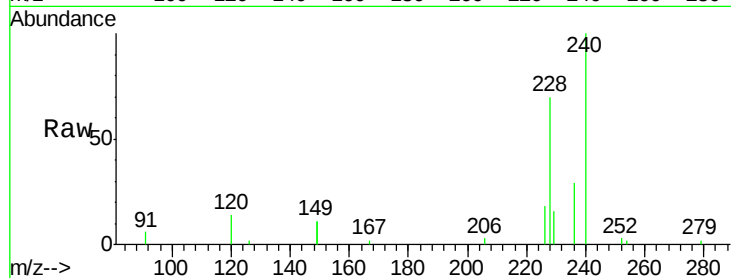
Tot Ion:240 Resp: 7060

Ion Ratio Lower Upper

240 100

120 14.1 5.5 8.3#

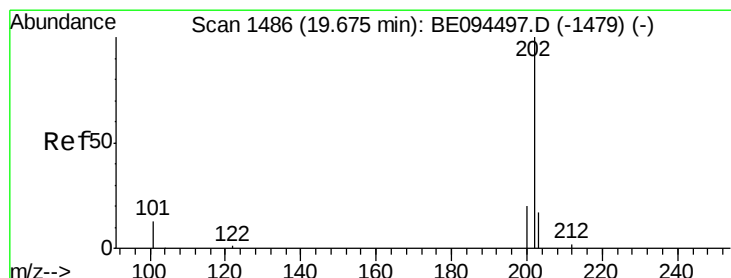
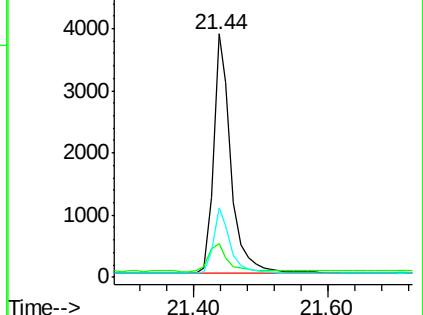
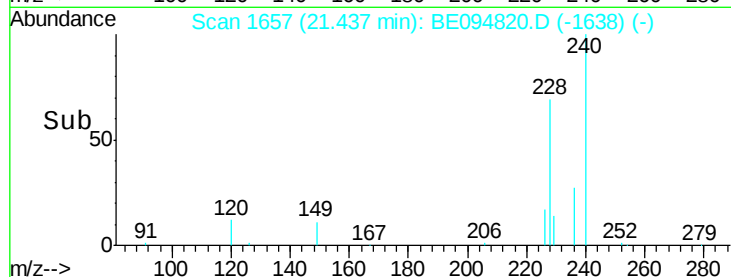
236 28.6 20.7 31.1



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: 0.26 ng

RT: 19.70 min Scan# 1489

Delta R.T. 0.02 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

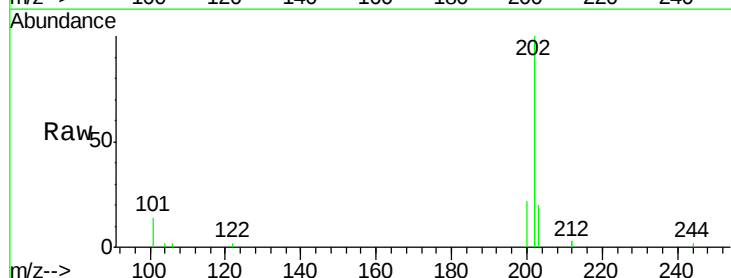
Tgt Ion:202 Resp: 6390

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

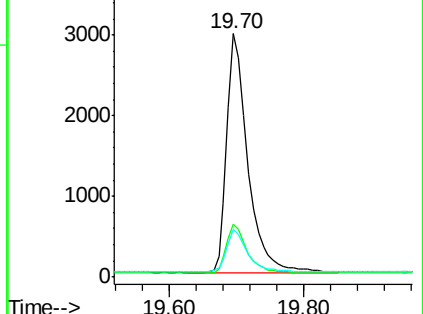
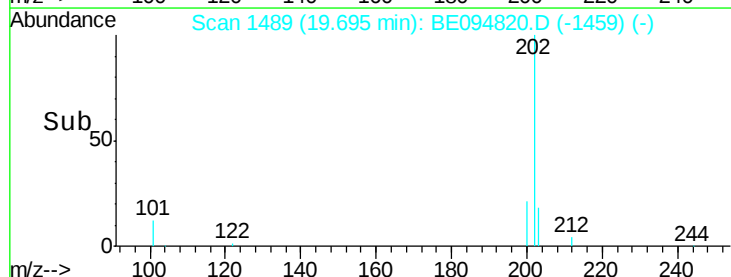
203 18.4 13.8 20.8

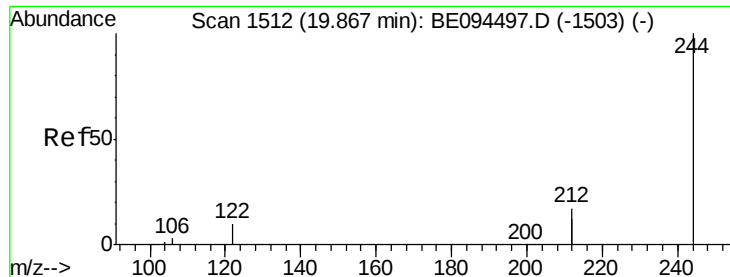


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.29 ng

RT: 19.88 min Scan# 1514

Delta R.T. 0.01 min

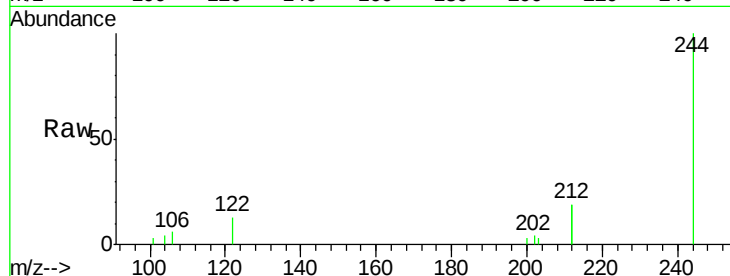
Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

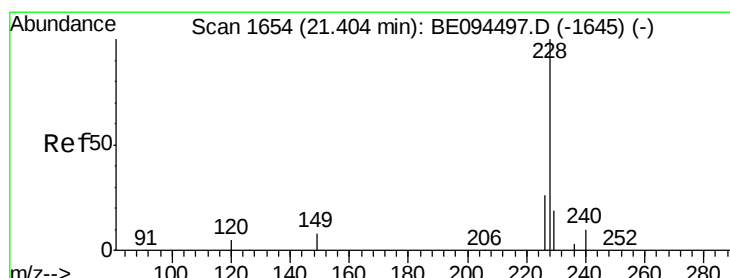
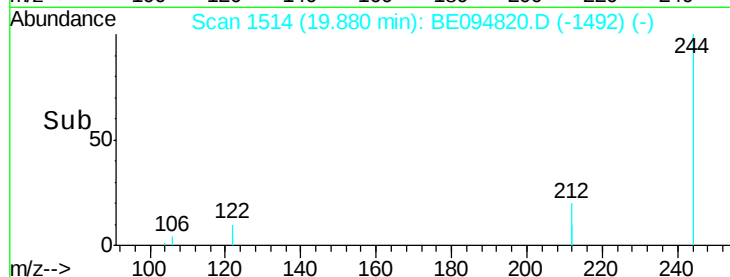
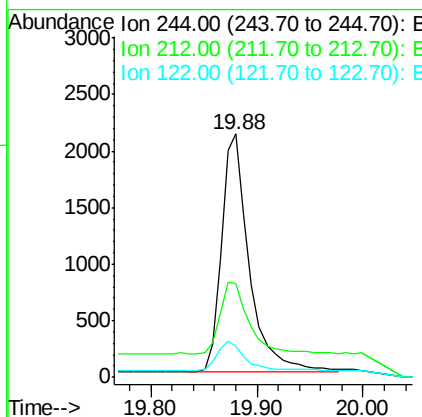
Instrument :

BNA_E

ClientSampled :



Tot Ion:	244	Resp:	3864
Ion	Ratio	Lower	Upper
244	100		
212	38.7	25.4	38.0#
122	12.8	8.1	12.1#



#30

Benzo(a)anthracene

Concen: 0.33 ng

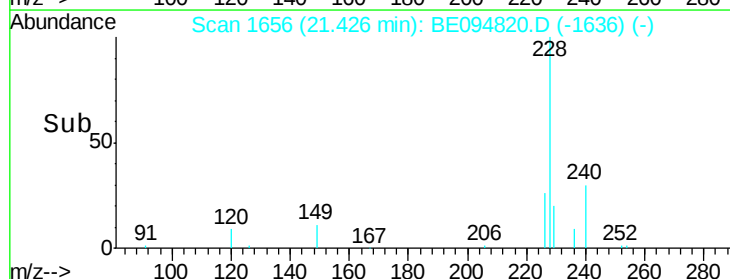
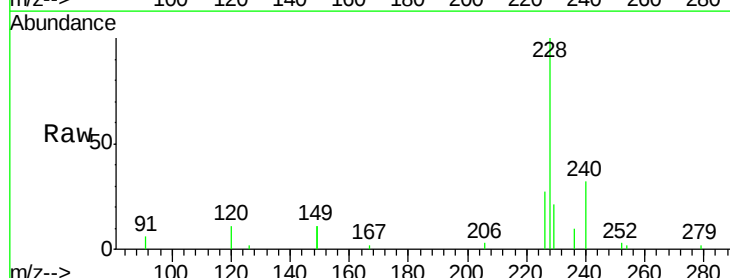
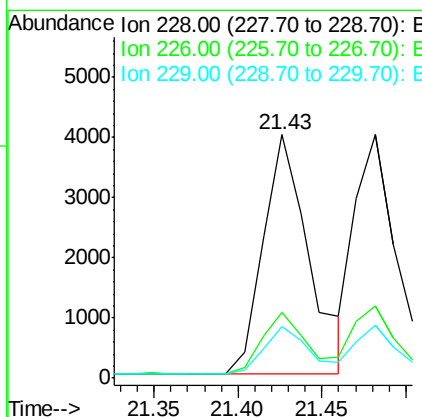
RT: 21.43 min Scan# 1656

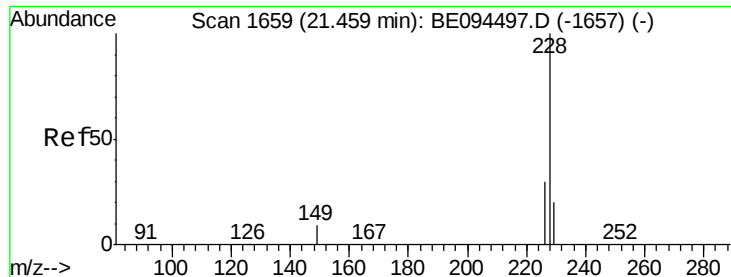
Delta R.T. 0.02 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Tgt Ion:	228	Resp:	7552
Ion	Ratio	Lower	Upper
228	100		
226	27.2	40.0	60.0#
229	21.2	40.0	60.0#





#31

Chrysene

Concen: 0.31 ng

RT: 21.48 min Scan# 1661

Delta R.T. 0.02 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

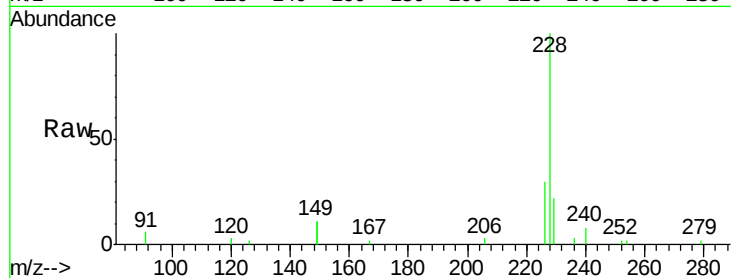
Tot Ion:228 Resp: 7280

Ion Ratio Lower Upper

228 100

226 29.7 40.0 60.0#

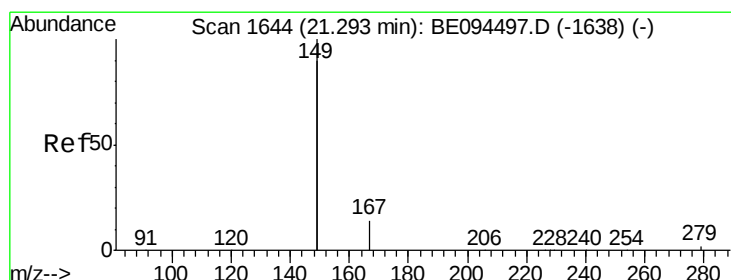
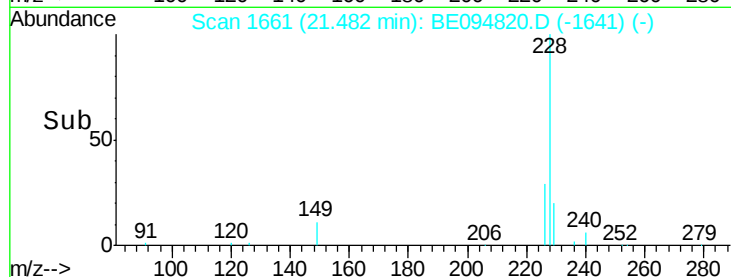
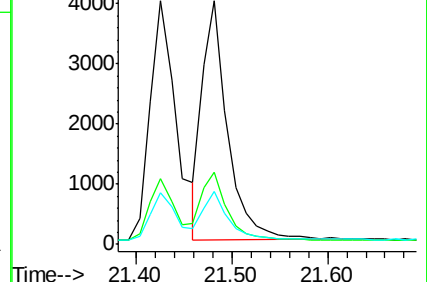
229 21.5 40.0 60.0#



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: 0.30 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

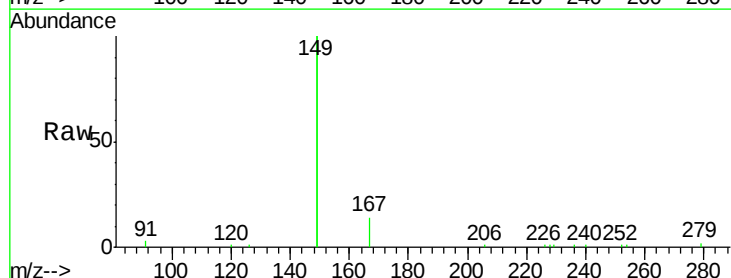
Tgt Ion:149 Resp: 17117

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

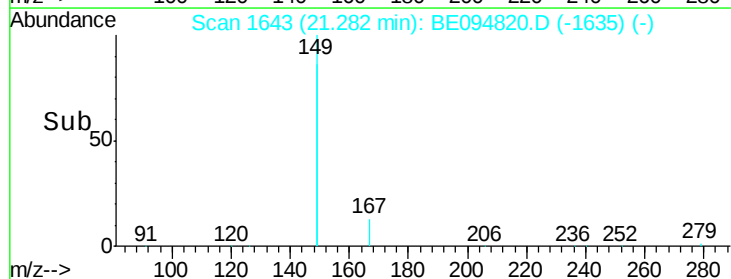
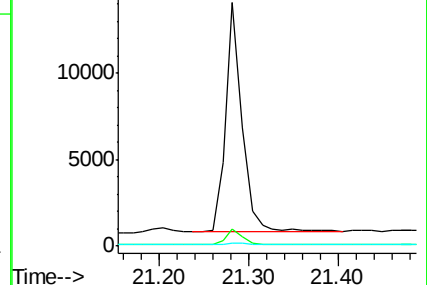
279 1.0 0.7 1.1

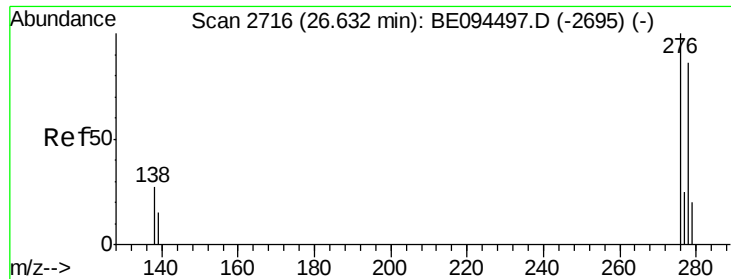


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.37 ng

RT: 26.71 min Scan# 2734

Delta R.T. 0.08 min

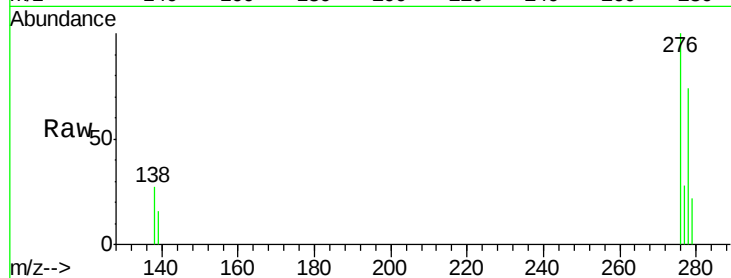
Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :



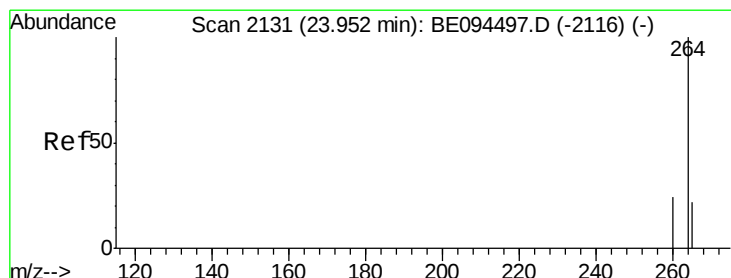
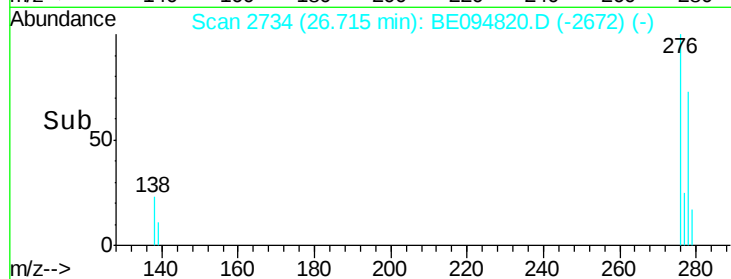
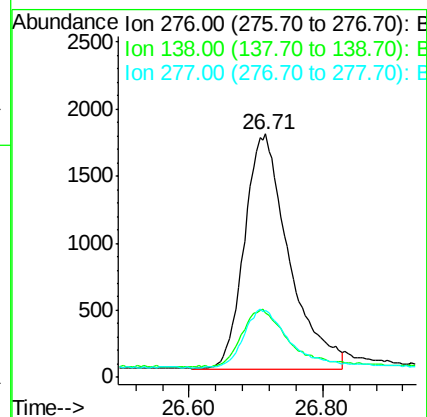
Tot Ion:276 Resp: 8050

Ion Ratio Lower Upper

276 100

138 24.9 22.5 33.7

277 25.3 19.9 29.9



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.99 min Scan# 2139

Delta R.T. 0.04 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

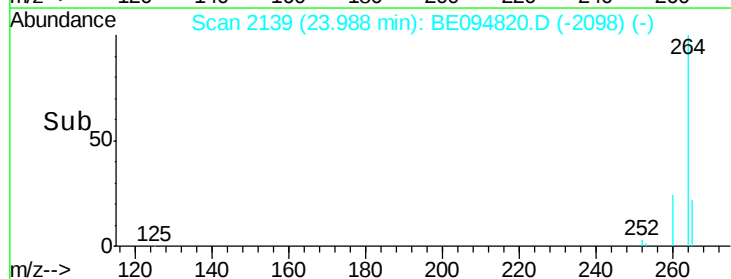
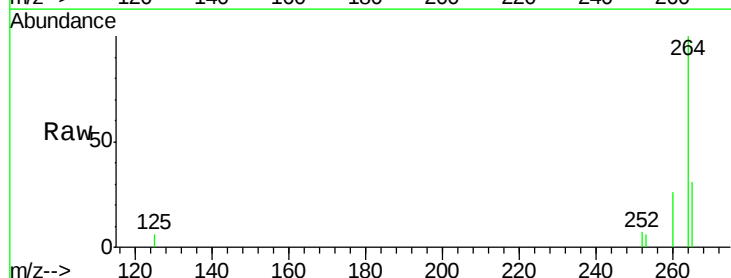
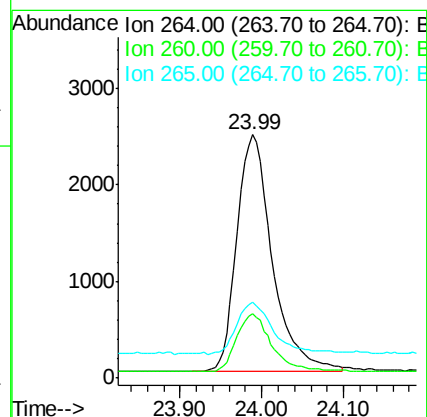
Tgt Ion:264 Resp: 7364

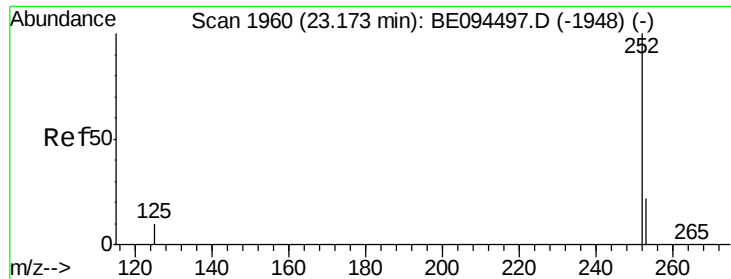
Ion Ratio Lower Upper

264 100

260 26.3 20.5 30.7

265 31.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.31 ng

RT: 23.21 min Scan# 1967

Delta R.T. 0.03 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

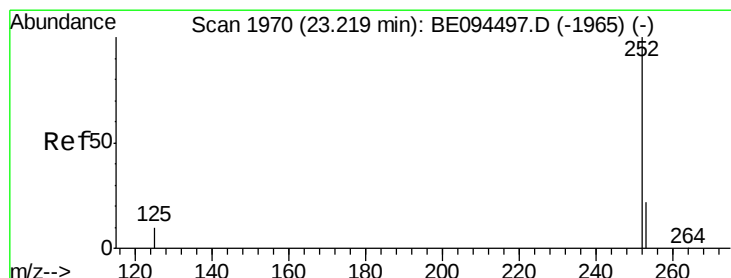
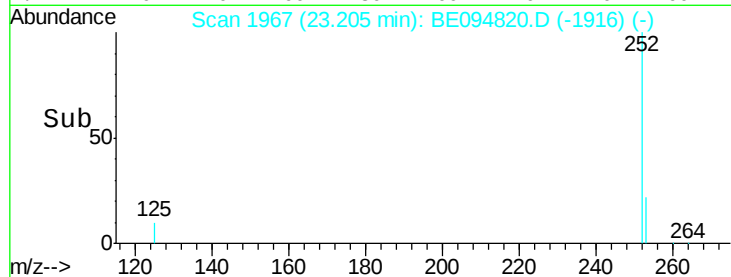
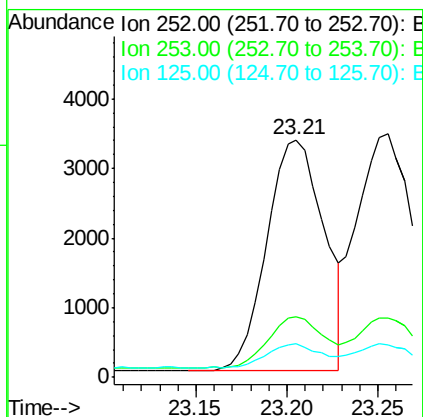
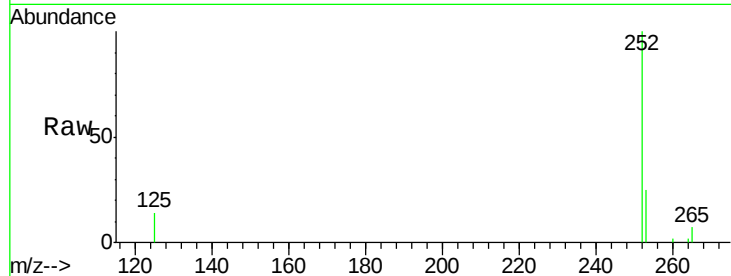
Tot Ion:252 Resp: 7277

Ion Ratio Lower Upper

252 100

253 25.3 48.0 72.0#

125 14.3 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.33 ng

RT: 23.26 min Scan# 1978

Delta R.T. 0.04 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

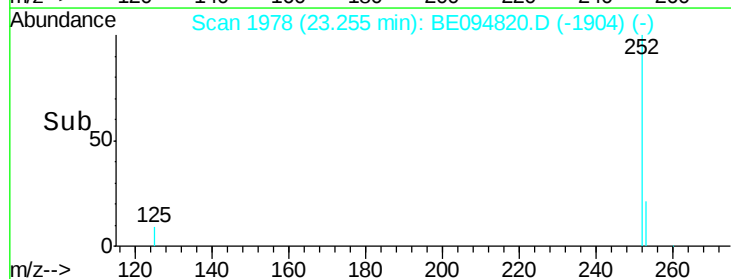
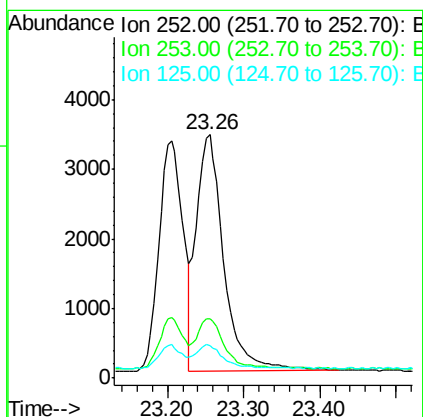
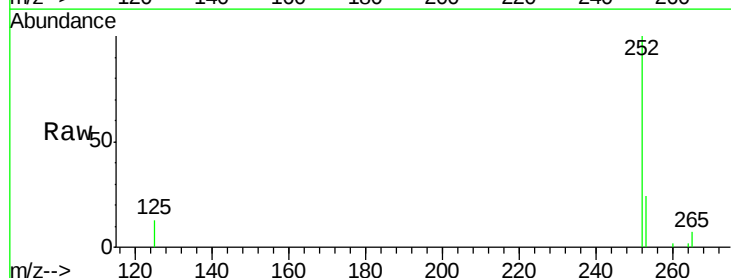
Tgt Ion:252 Resp: 8423

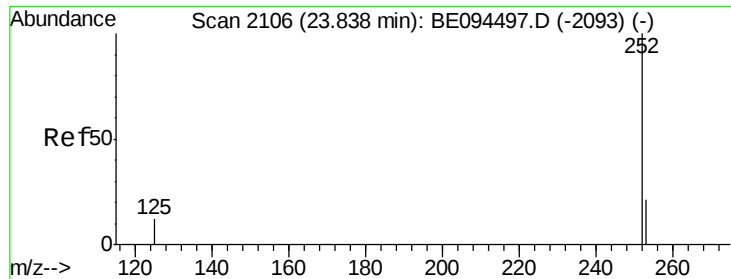
Ion Ratio Lower Upper

252 100

253 24.2 48.0 72.0#

125 13.1 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.33 ng

RT: 23.88 min Scan# 2116

Delta R.T. 0.05 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :

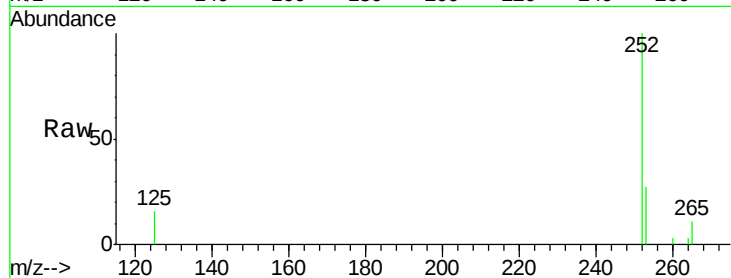
Tot Ion:252 Resp: 7660

Ion Ratio Lower Upper

252 100

253 26.9 52.0 78.0#

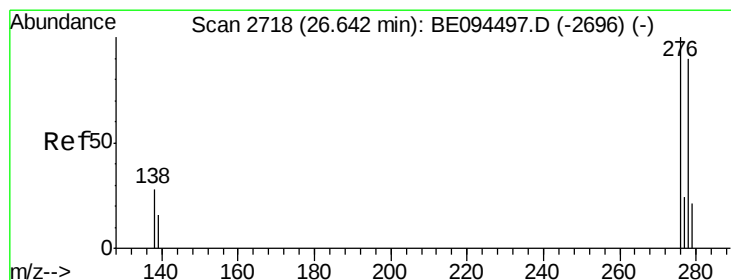
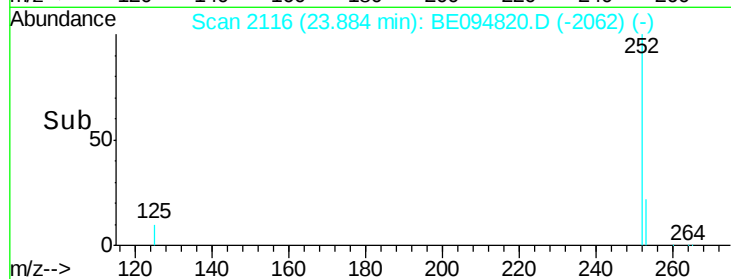
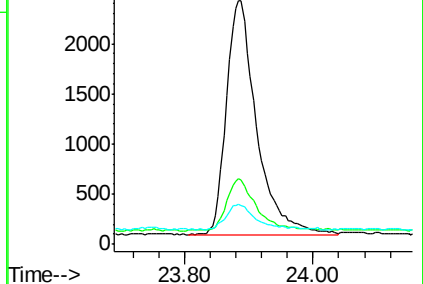
125 16.2 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.33 ng

RT: 26.70 min Scan# 2731

Delta R.T. 0.06 min

Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

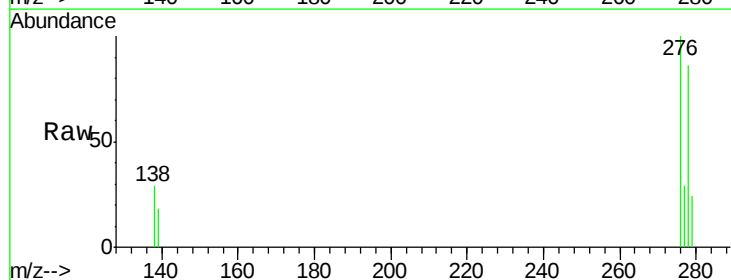
Tgt Ion:278 Resp: 6919

Ion Ratio Lower Upper

278 100

139 21.2 56.0 84.0#

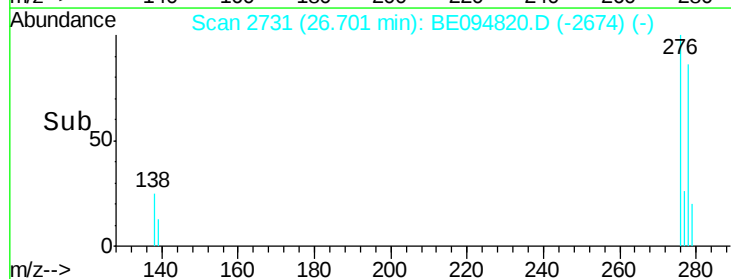
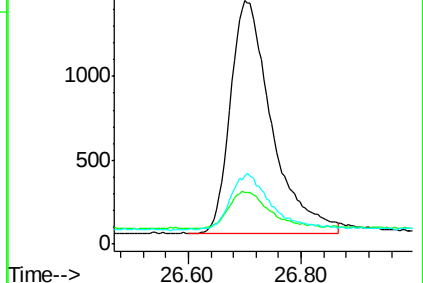
279 27.8 52.0 78.0#

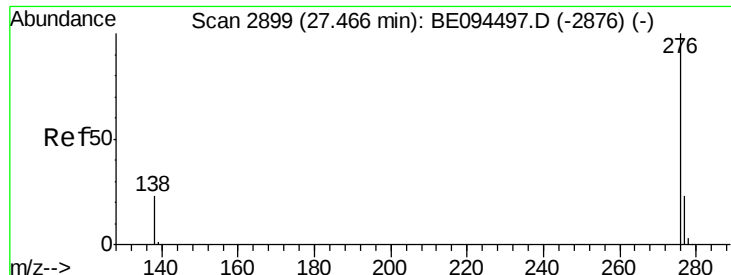


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.35 ng

RT: 27.56 min Scan# 2919

Delta R.T. 0.09 min

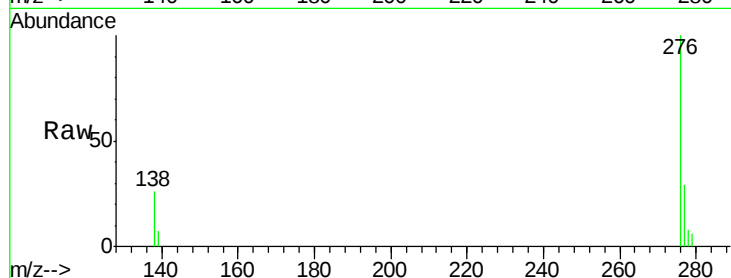
Lab File: BE094820.D

Acq: 15 Nov 2017 18:24

Instrument :

BNA_E

ClientSampleId :



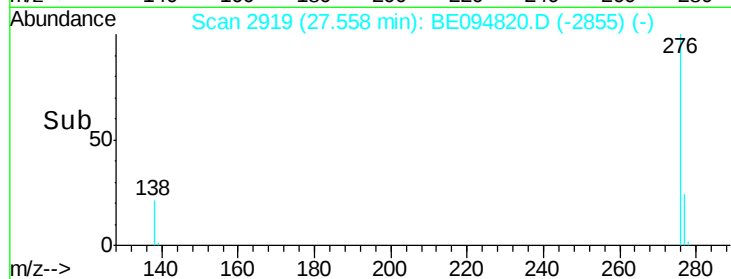
Tot Ion: 276 Resp: 6834

Ion Ratio Lower Upper

276 100

277 28.8 52.0 78.0#

138 26.2 44.0 66.0#



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

