

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE032219\
 Data File : BE099082.D
 Acq On : 22 Mar 2019 16:10
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032219

Quant Time: Mar 23 00:49:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 00:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3731	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	14327	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	9647	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	28327	0.40	ng	0.00
27) Chrysene-d12	21.39	240	36971	0.40	ng	0.00
34) Perylene-d12	23.90	264	38833	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3713	0.33	ng	0.00
5) Phenol-d6	6.99	99	5358	0.34	ng	0.00
8) Nitrobenzene-d5	8.99	82	2620	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9226	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1026	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	13804	0.36	ng	0.00
25) Fluoranthene-d10	19.24	212	133099	0.35	ng	0.00
29) Terphenyl-d14	19.84	244	27348	0.35	ng	0.00

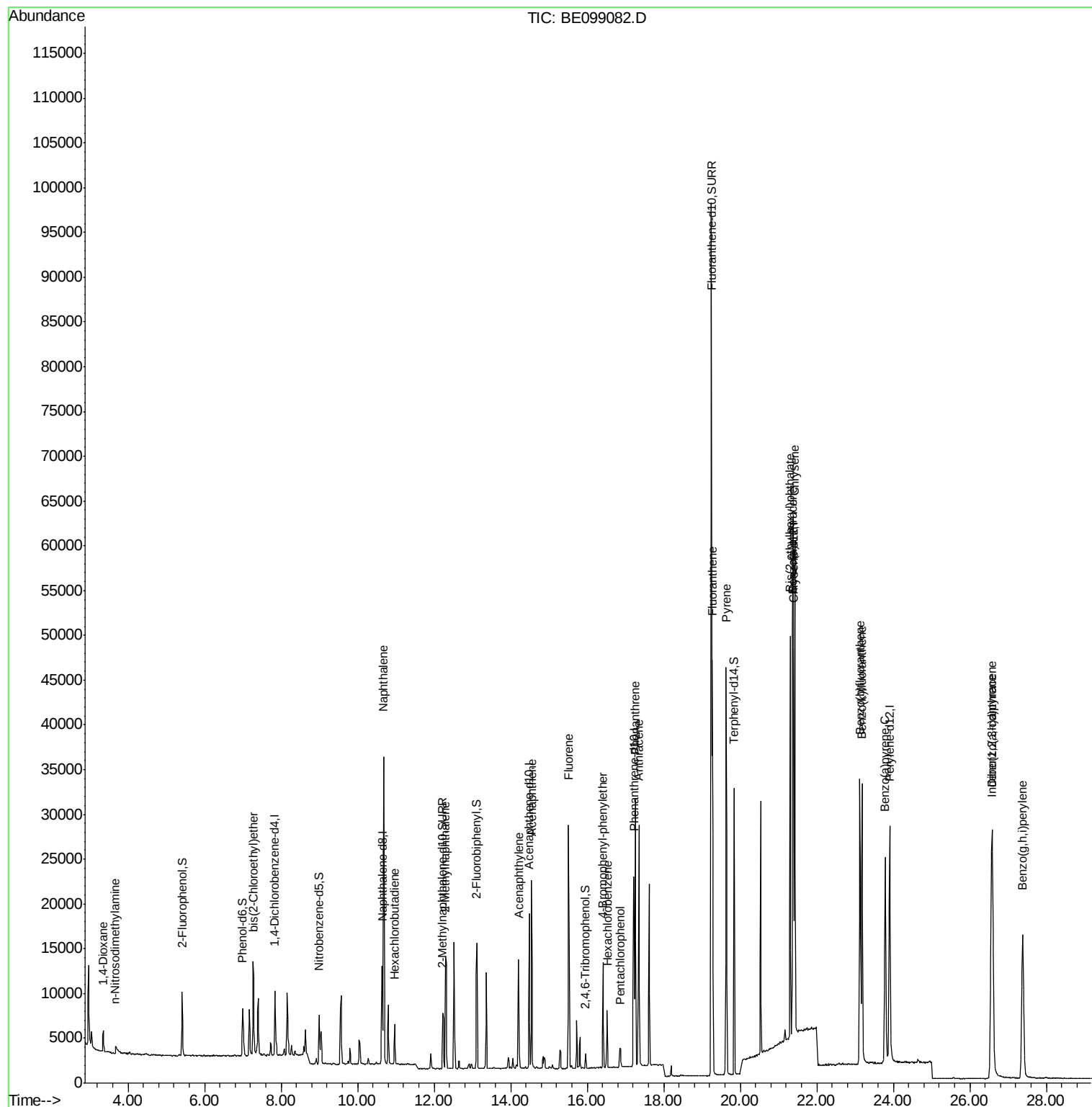
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	1938	0.335	ng	99
3) n-Nitrosodimethylamine	3.67	42	755	0.253	ng	# 94
6) bis(2-Chloroethyl)ether	7.28	93	4598	0.354	ng	# 86
9) Naphthalene	10.68	128	59571	0.353	ng	99
10) Hexachlorobutadiene	10.97	225	2963	0.359	ng	97
12) 2-Methylnaphthalene	12.30	142	9845	0.340	ng	95
16) Acenaphthylene	14.21	152	17080	0.332	ng	96
17) Acenaphthene	14.54	154	10509	0.344	ng	98
18) Fluorene	15.51	166	15343	0.344	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	5358	0.342	ng	# 85
21) Hexachlorobenzene	16.52	284	5003	0.344	ng	94
22) Pentachlorophenol	16.87	266	1338	0.475	ng	83
23) Phenanthrene	17.25	178	29265	0.348	ng	99
24) Anthracene	17.35	178	26311	0.331	ng	100
26) Fluoranthene	19.27	202	40195	0.340	ng	99
28) Pyrene	19.63	202	41452	0.331	ng	98
30) Benzo(a)anthracene	21.37	228	43880	0.337	ng	98
31) Chrysene	21.43	228	45108	0.347	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	45571	0.270	ng	99
33) Indeno(1,2,3-cd)pyrene	26.56	276	48034	0.343	ng	98
35) Benzo(b)fluoranthene	23.13	252	44144	0.329	ng	99
36) Benzo(k)fluoranthene	23.18	252	43567	0.331	ng	98
37) Benzo(a)pyrene	23.79	252	39964	0.322	ng	97
38) Dibenzo(a,h)anthracene	26.59	278	39409	0.326	ng	96
39) Benzo(g,h,i)perylene	27.38	276	40903	0.330	ng	97

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

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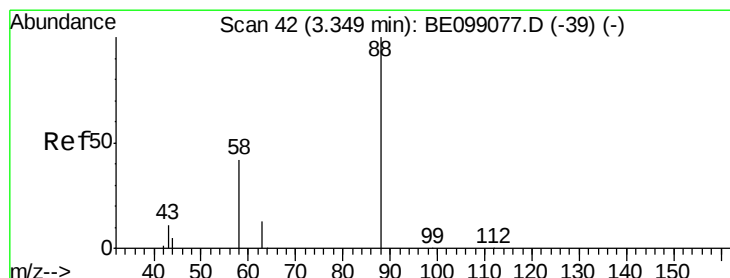
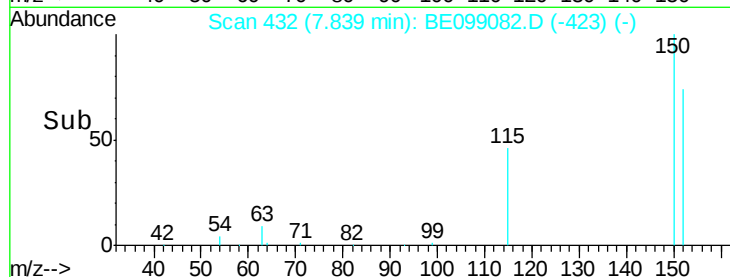
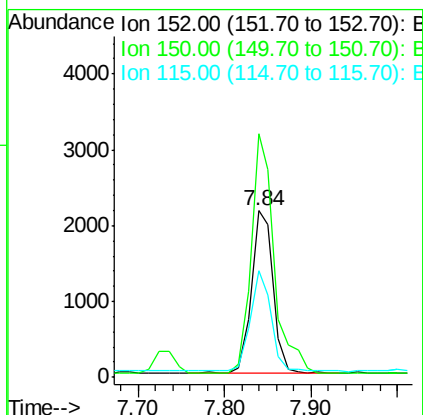
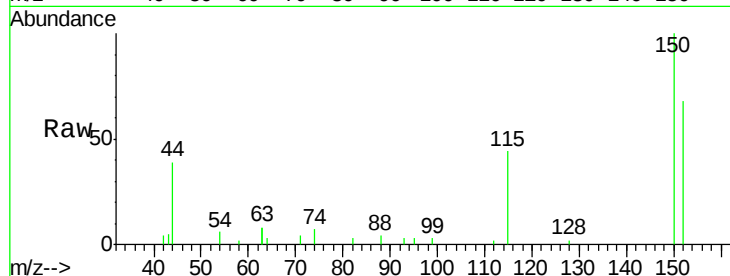


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099082.D
Acq: 22 Mar 2019 16:10

Instrument :
BNA_E
ClientSampleId :
ICVBE032219

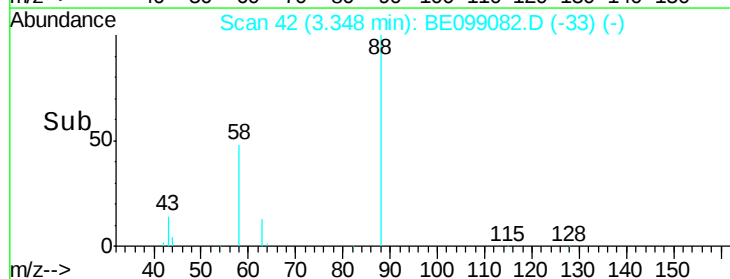
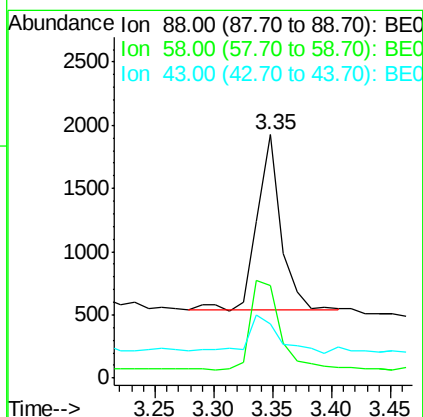
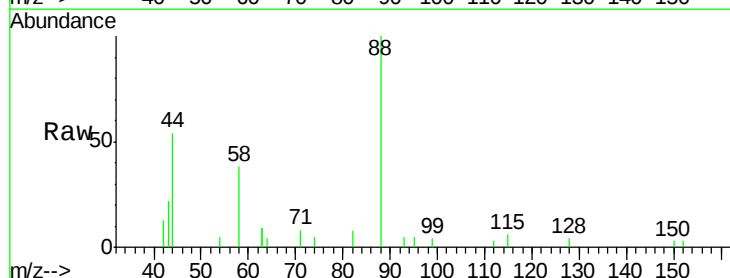
Tgt Ion:152 Resp: 3731
Ion Ratio Lower Upper
152 100
150 146.1 122.5 183.7
115 64.0 57.4 86.2



#2

1,4-Dioxane
Concen: 0.335 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099082.D
Acq: 22 Mar 2019 16:10

Tgt Ion: 88 Resp: 1938
Ion Ratio Lower Upper
88 100
58 64.3 52.0 78.0
43 28.5 24.0 36.0





#3

n-Nitrosodimethylamine

Concen: 0.253 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

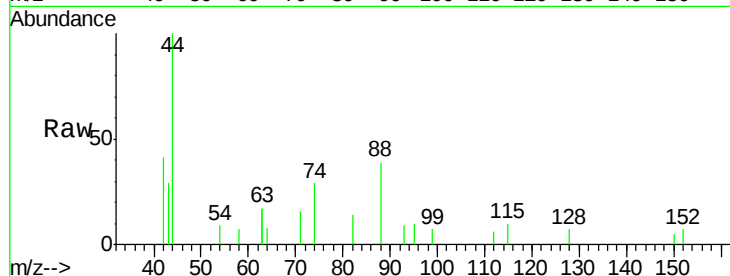
Tgt Ion: 42 Resp: 755

Ion Ratio Lower Upper

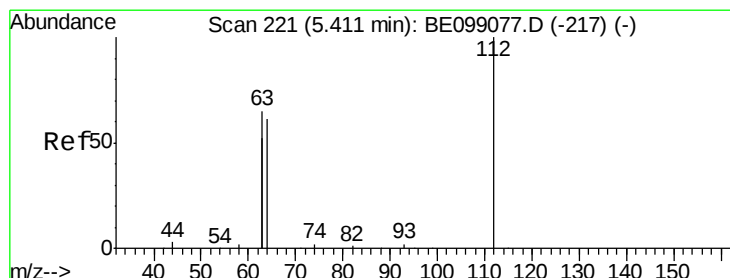
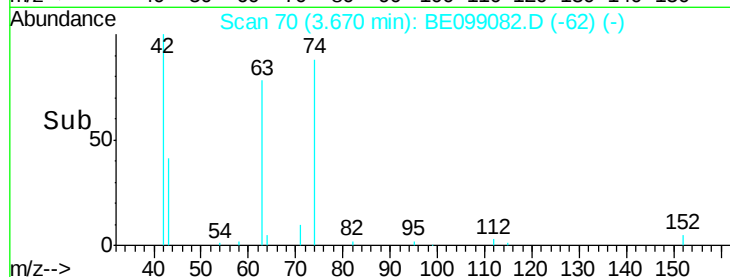
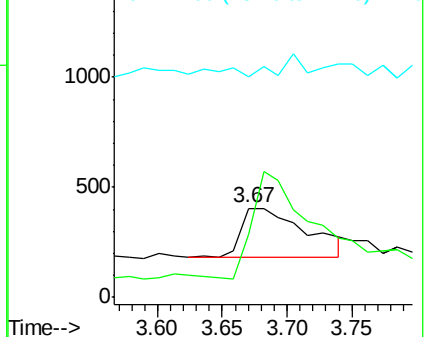
42 100

74 190.6 160.0 240.0

44 0.0 0.0 0.0



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: 0.334 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

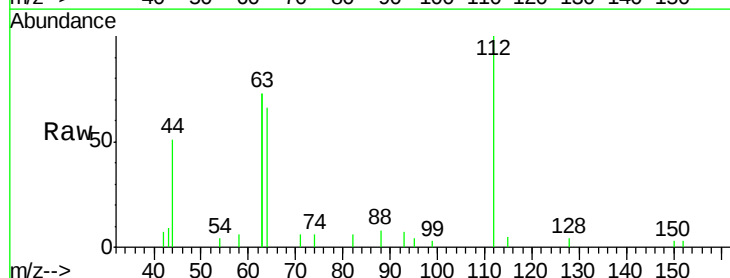
Tgt Ion: 112 Resp: 3713

Ion Ratio Lower Upper

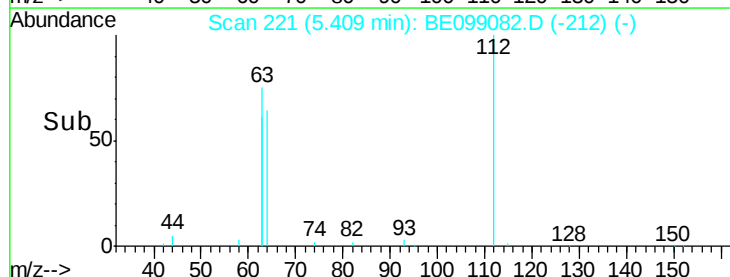
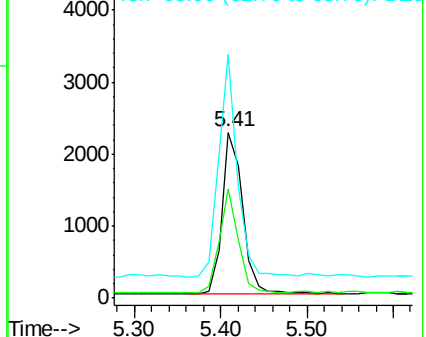
112 100

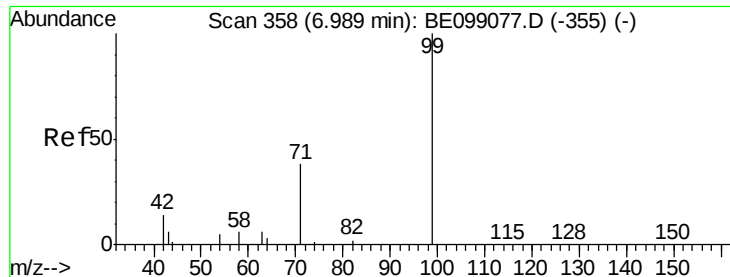
64 59.4 57.9 86.9

63 125.9 158.3 237.5#



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: 0.335 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

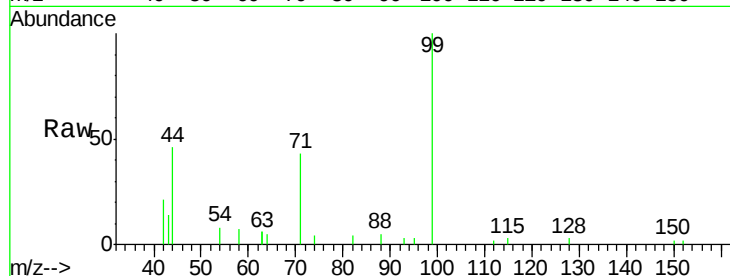
Tgt Ion: 99 Resp: 5358

Ion Ratio Lower Upper

99 100

42 16.1 24.2 36.2#

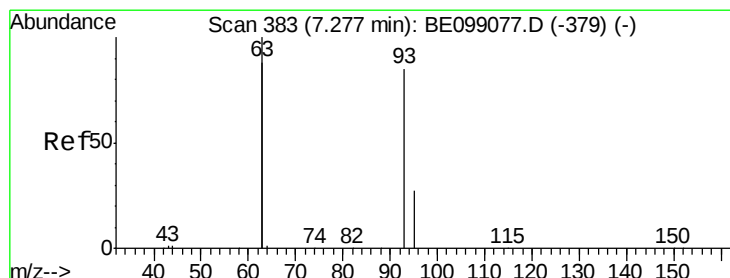
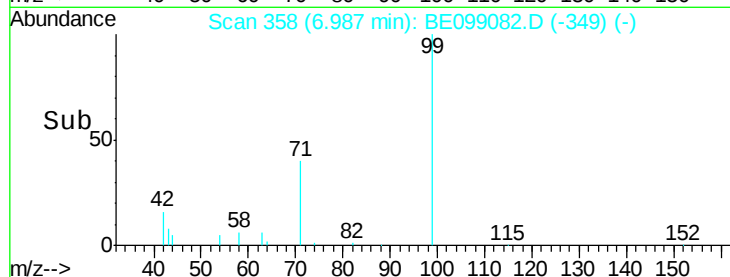
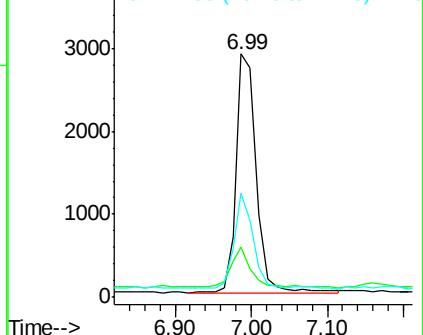
71 36.3 35.7 53.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.354 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

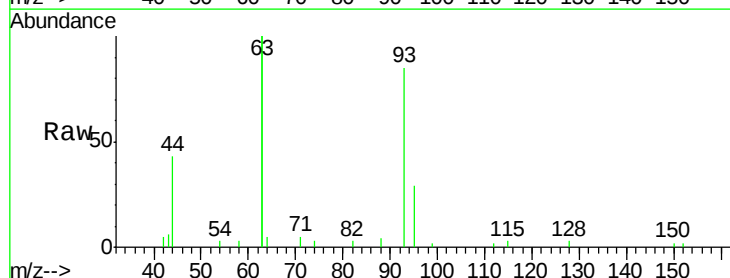
Tgt Ion: 93 Resp: 4598

Ion Ratio Lower Upper

93 100

63 281.5 247.5 371.3

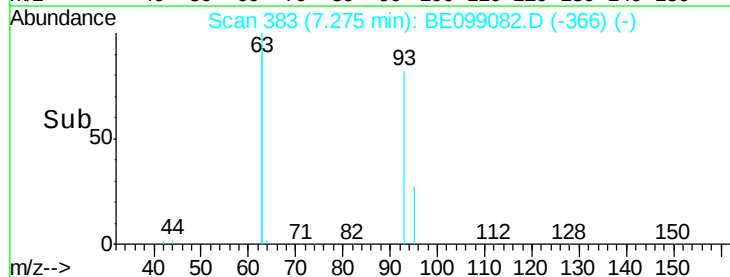
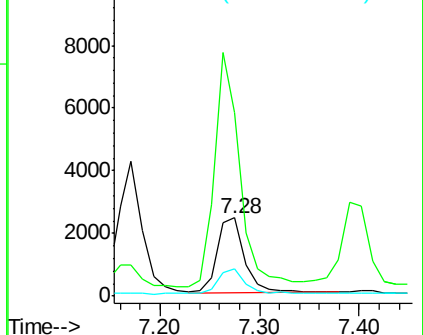
95 33.1 21.8 32.8#

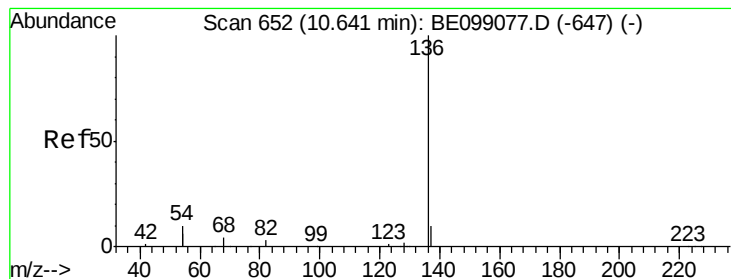


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

Tgt Ion:136 Resp: 14327

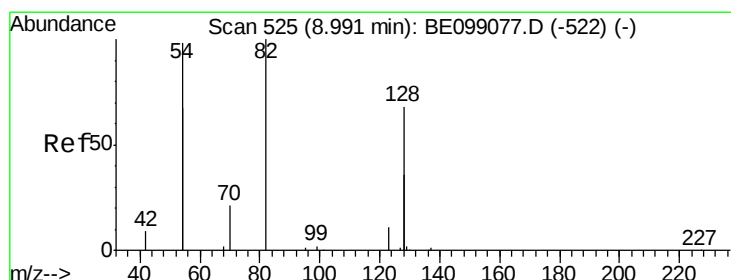
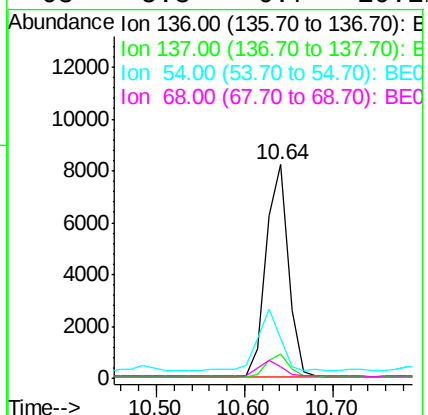
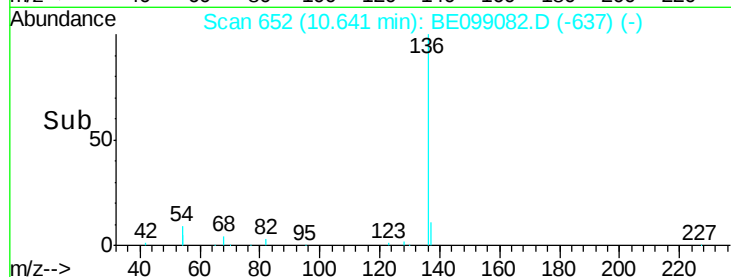
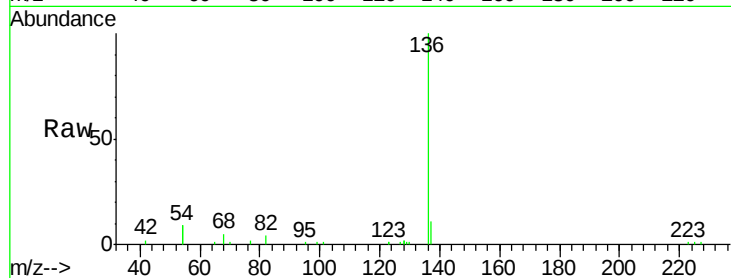
Ion Ratio Lower Upper

136 100

137 11.4 11.4 17.0

54 18.5 39.3 58.9#

68 5.3 6.7 10.1#



#8

Nitrobenzene-d5

Concen: 0.418 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

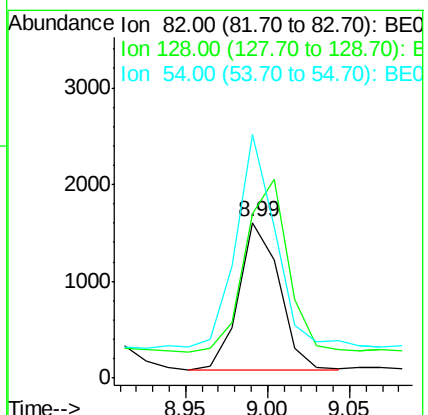
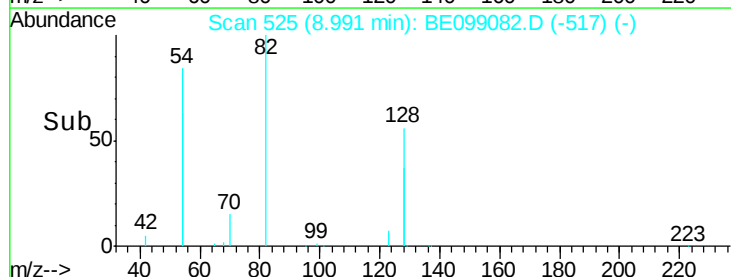
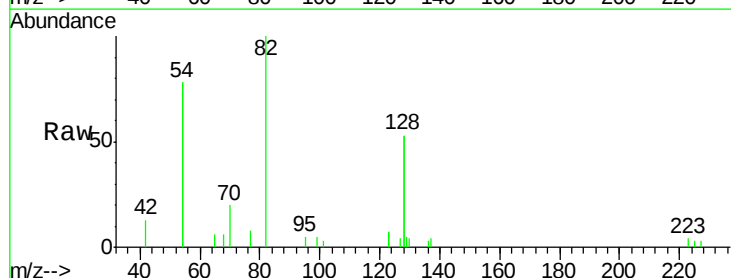
Tgt Ion: 82 Resp: 2620

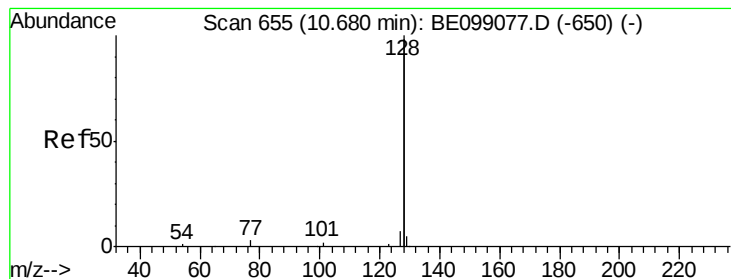
Ion Ratio Lower Upper

82 100

128 105.2 123.8 185.8#

54 156.3 203.4 305.2#





#9

Naphthalene

Concen: 0.353 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

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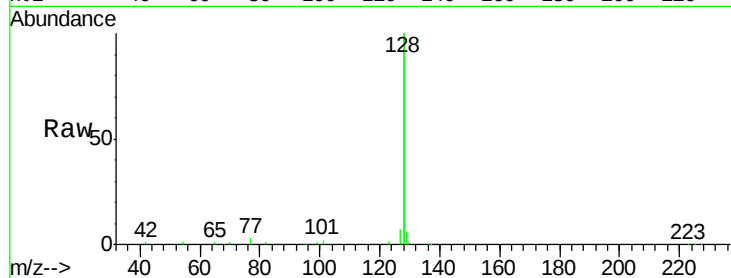
Tgt Ion:128 Resp: 59571

Ion Ratio Lower Upper

128 100

129 2.9 2.6 4.0

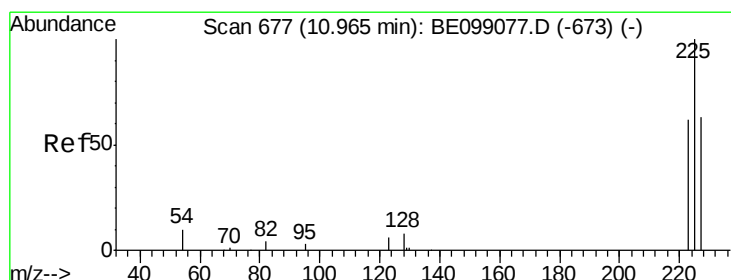
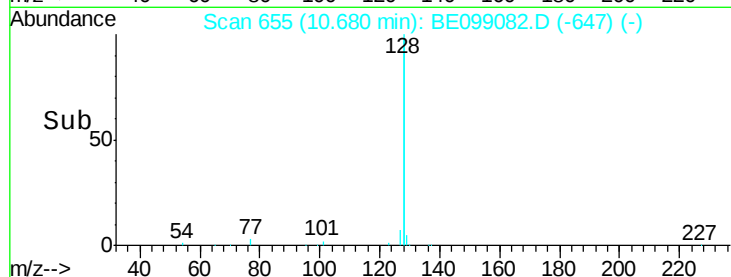
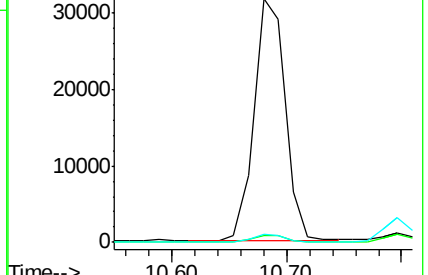
127 3.5 3.1 4.7



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: 0.359 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

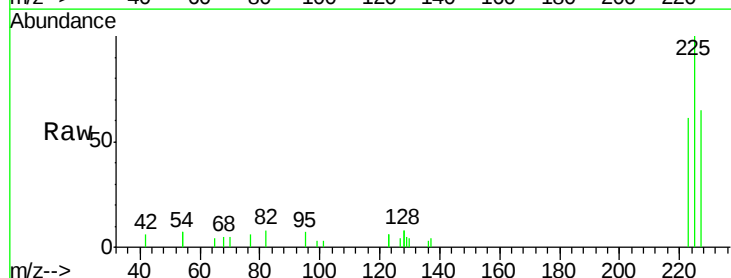
Tgt Ion:225 Resp: 2963

Ion Ratio Lower Upper

225 100

223 61.0 51.1 76.7

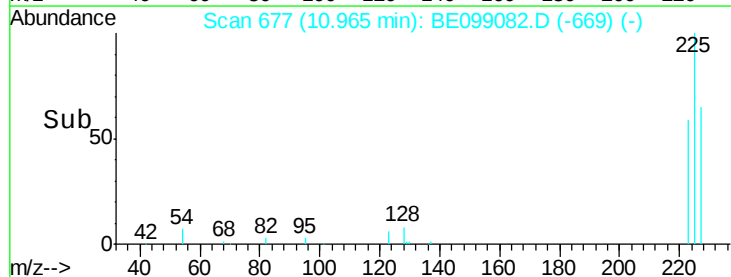
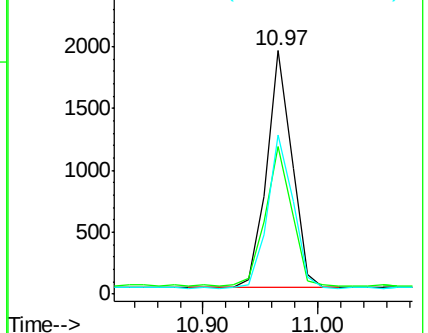
227 65.9 51.6 77.4

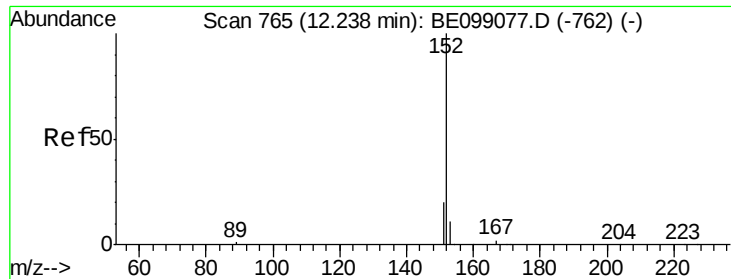


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

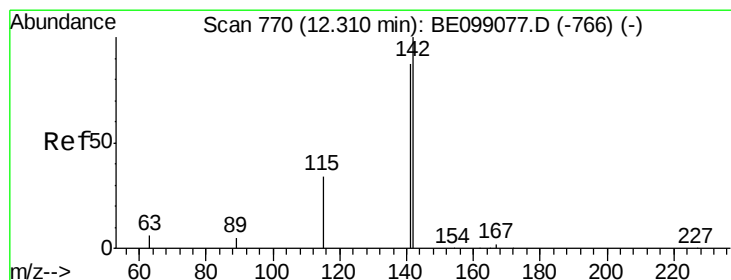
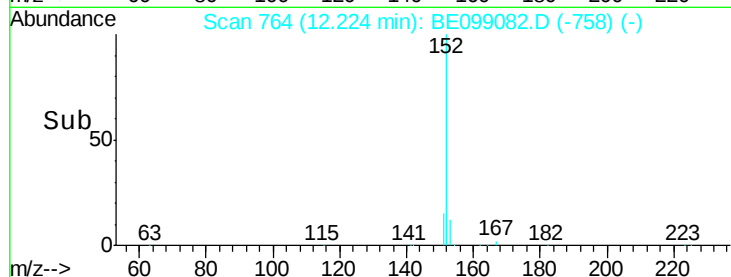
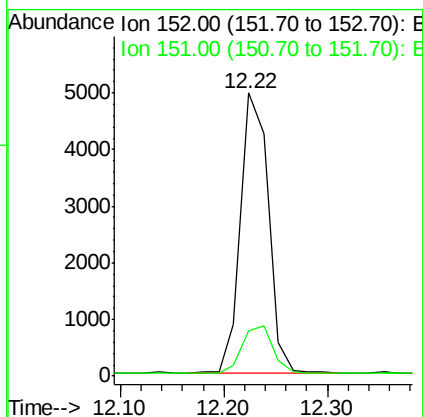
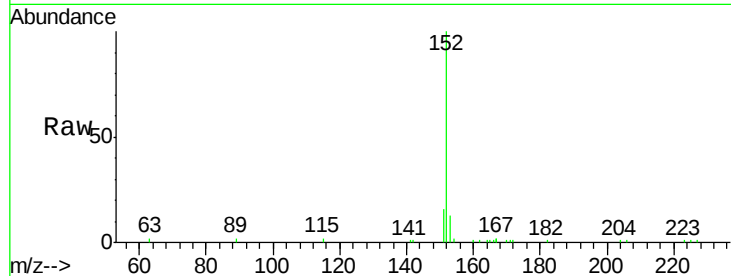




#11
 2-Methylnaphthalene-d10
 Concen: 0.358 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099082.D
 Acq: 22 Mar 2019 16:10

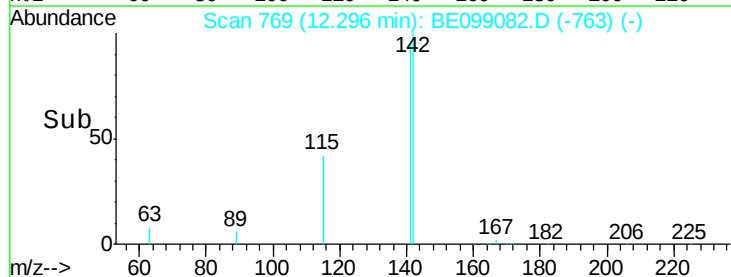
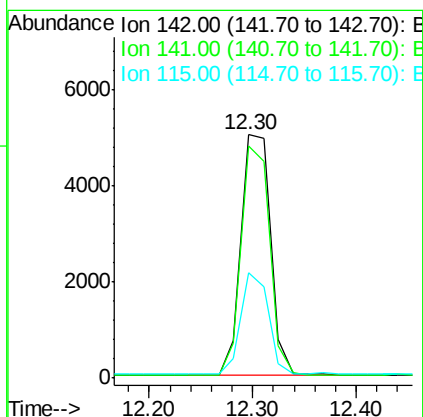
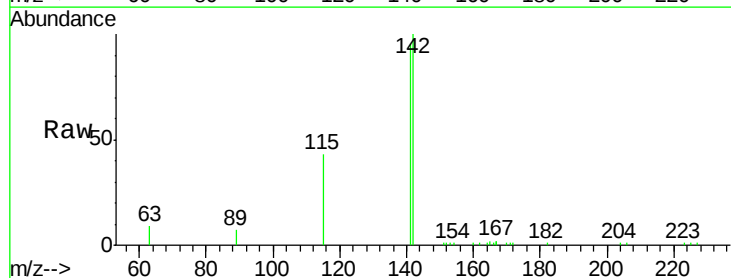
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032219

Tgt Ion:152 Resp: 9226
 Ion Ratio Lower Upper
 152 100
 151 18.5 16.5 24.7



#12
 2-Methylnaphthalene
 Concen: 0.340 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BE099082.D
 Acq: 22 Mar 2019 16:10

Tgt Ion:142 Resp: 9845
 Ion Ratio Lower Upper
 142 100
 141 95.3 72.6 108.8
 115 43.1 37.4 56.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

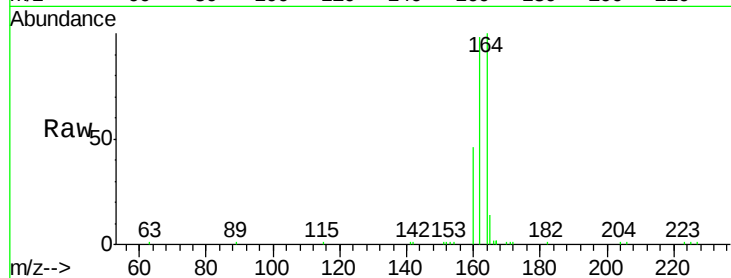
Tgt Ion:164 Resp: 9647

Ion Ratio Lower Upper

164 100

162 97.9 80.2 120.2

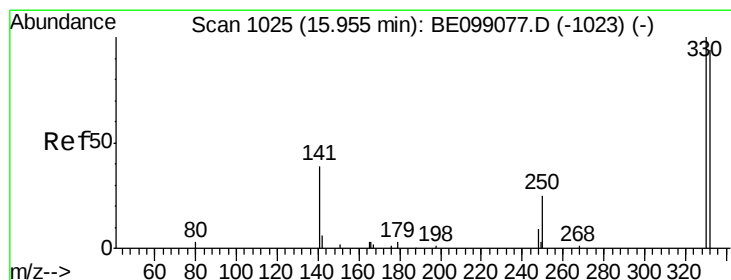
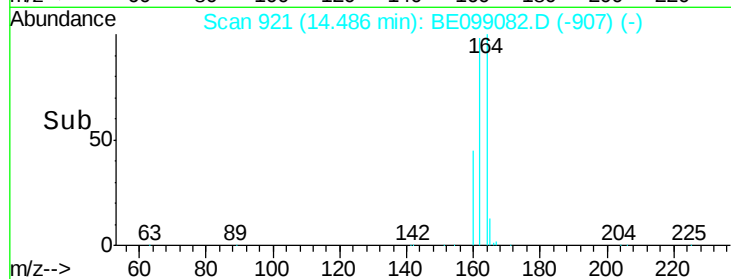
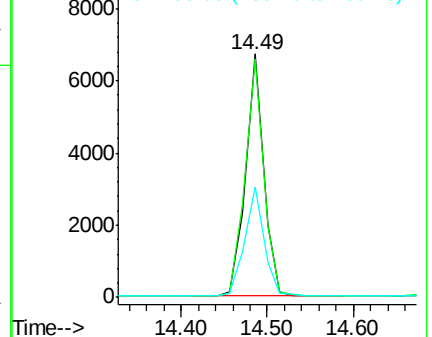
160 45.5 37.8 56.8



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: 0.362 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

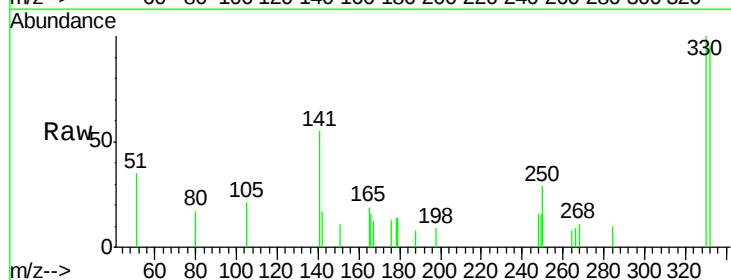
Tgt Ion:330 Resp: 1026

Ion Ratio Lower Upper

330 100

332 92.1 77.6 116.4

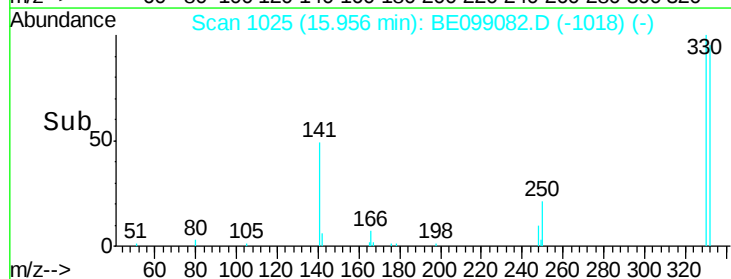
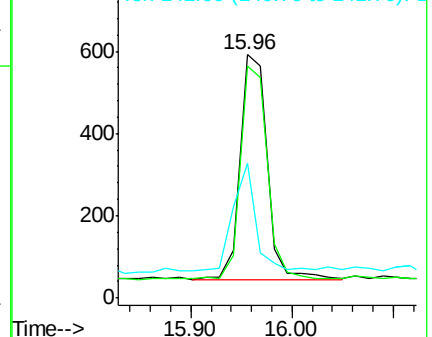
141 39.9 31.0 46.4

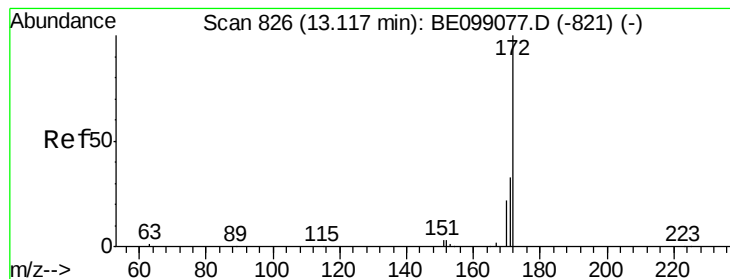


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.360 ng

RT: 13.12 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

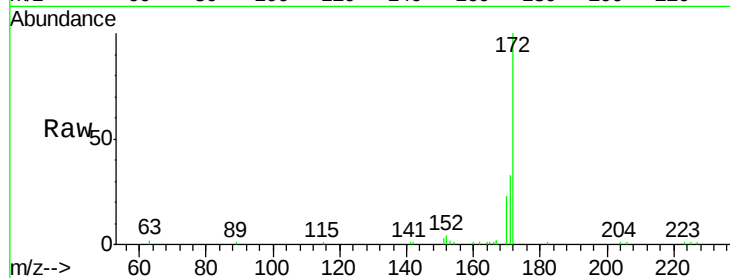
Tgt Ion:172 Resp: 13804

Ion Ratio Lower Upper

172 100

171 33.4 28.0 42.0

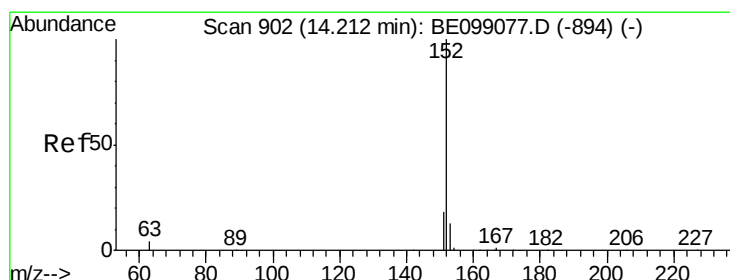
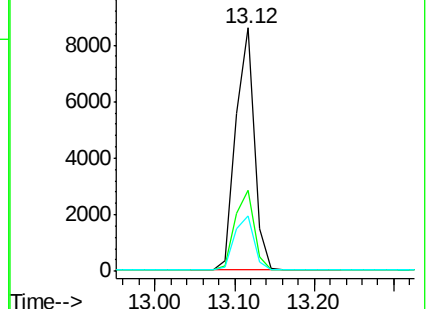
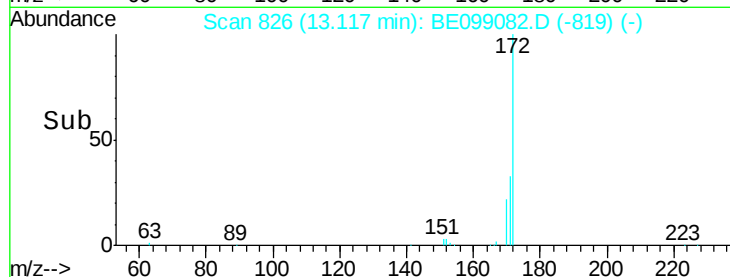
170 22.9 17.7 26.5



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



#16

Acenaphthylene

Concen: 0.332 ng

RT: 14.21 min Scan# 902

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

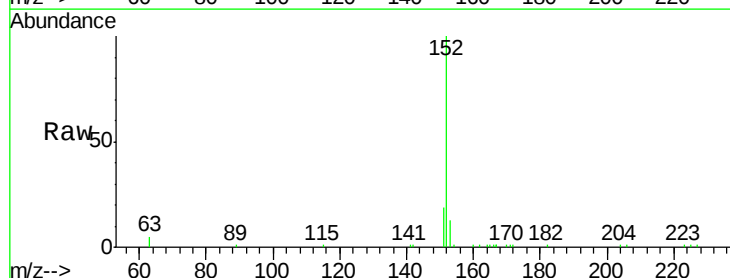
Tgt Ion:152 Resp: 17080

Ion Ratio Lower Upper

152 100

151 19.2 17.0 25.6

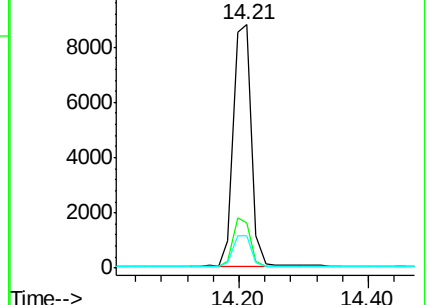
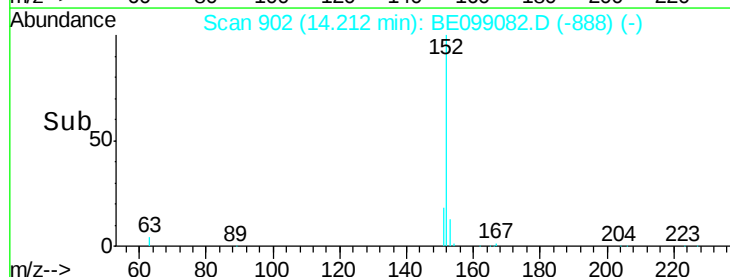
153 13.1 11.2 16.8

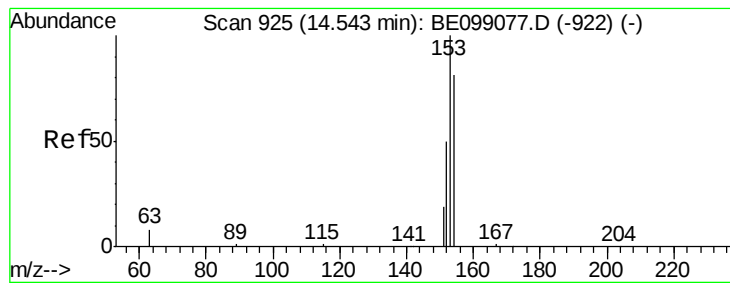


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.344 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

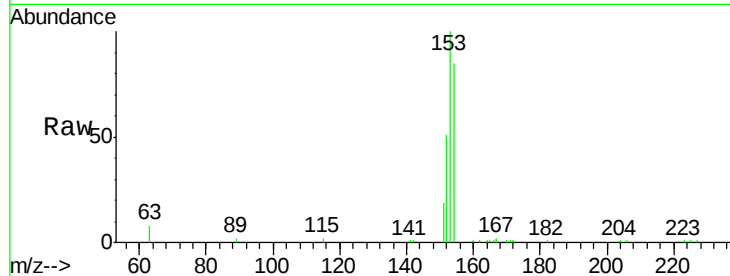
Tgt Ion:154 Resp: 10509

Ion Ratio Lower Upper

154 100

153 116.2 94.2 141.4

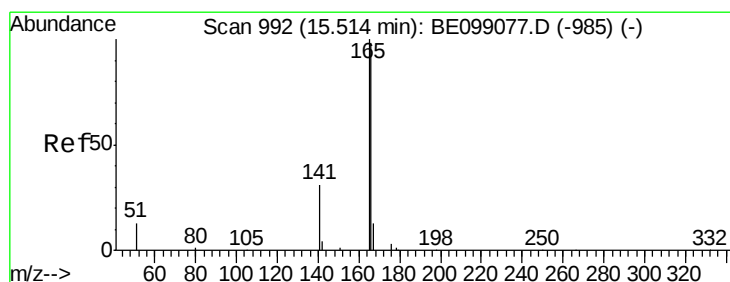
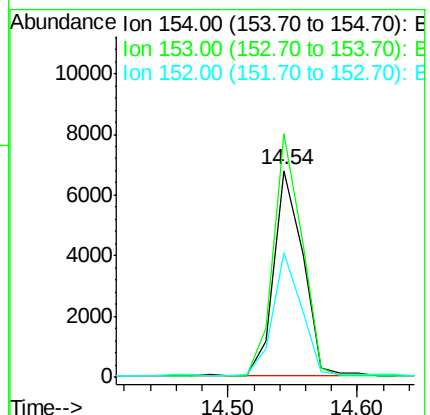
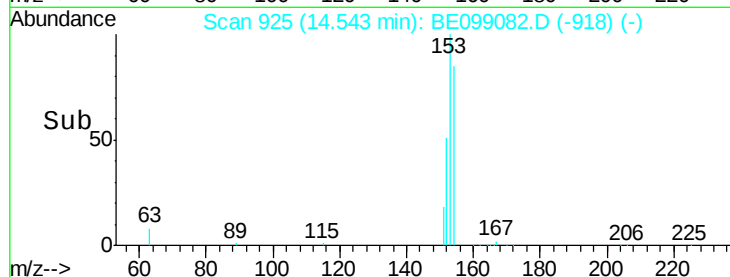
152 59.0 45.0 67.4



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: 0.344 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

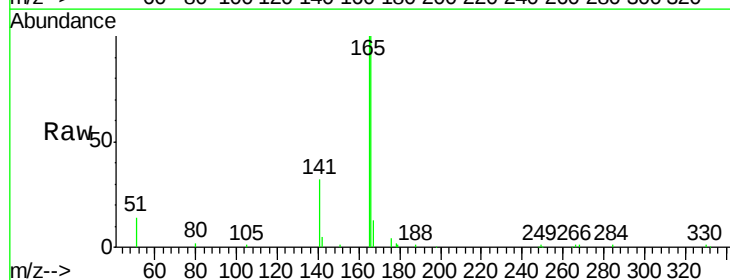
Tgt Ion:166 Resp: 15343

Ion Ratio Lower Upper

166 100

165 98.7 79.3 118.9

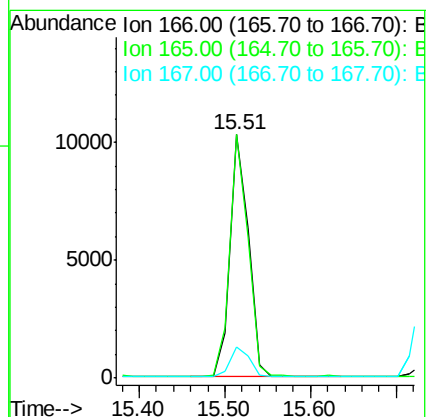
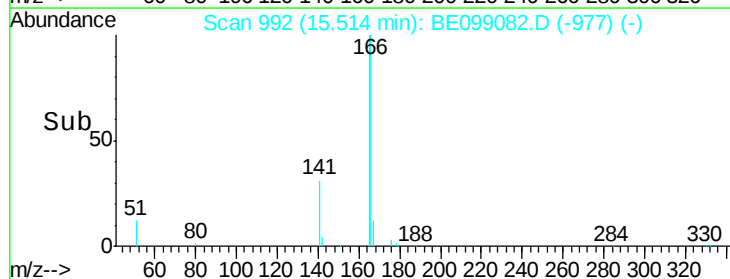
167 13.1 10.5 15.7

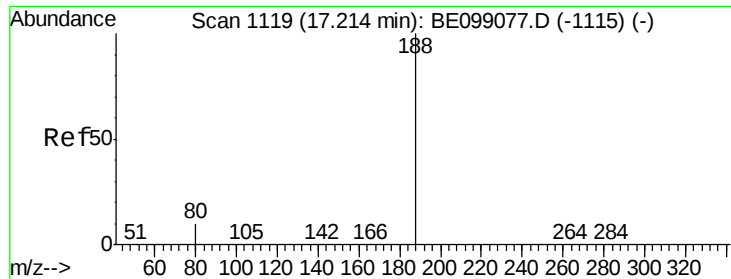


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

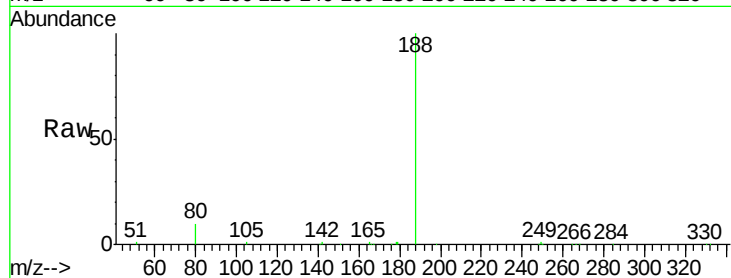
Tgt Ion:188 Resp: 28327

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

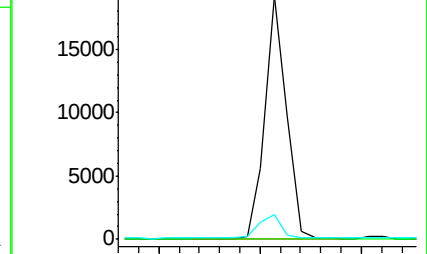
80 10.1 6.3 9.5#



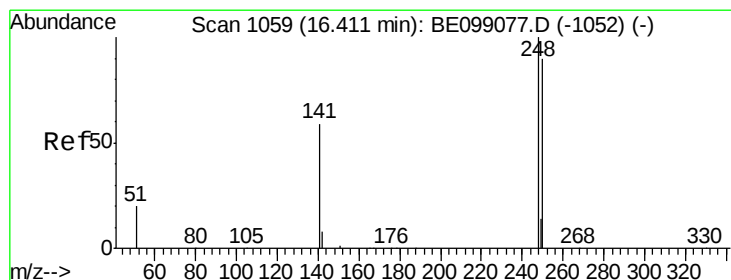
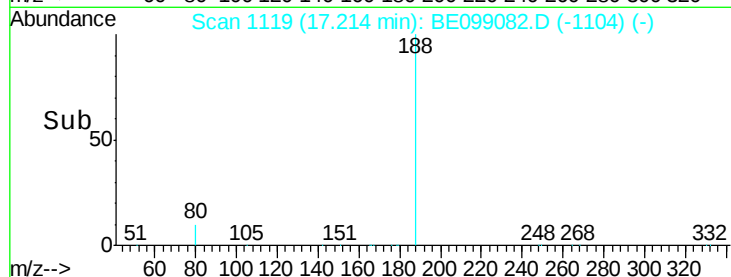
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.342 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

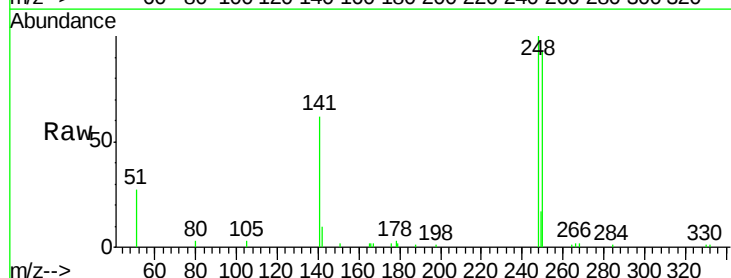
Tgt Ion:248 Resp: 5358

Ion Ratio Lower Upper

248 100

250 92.9 70.6 105.8

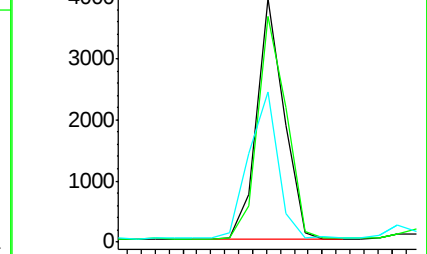
141 61.8 68.6 102.8#



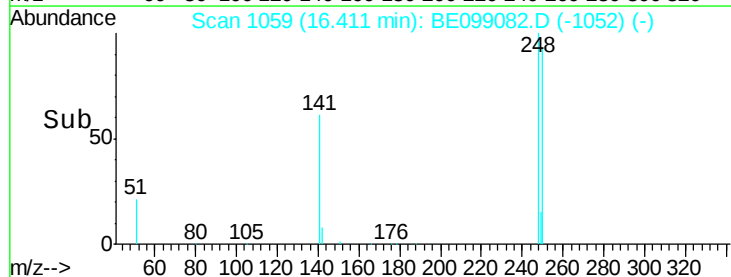
Abundance Ion 248.00 (247.70 to 248.70): E

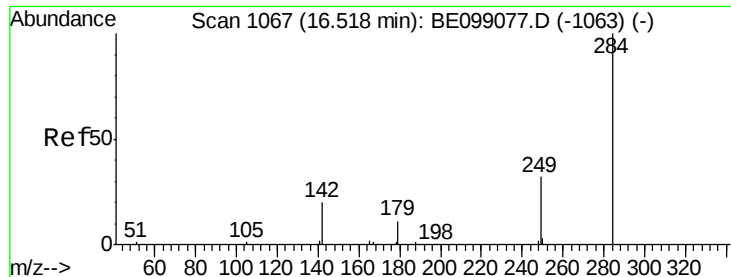
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#21

Hexachlorobenzene

Concen: 0.344 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

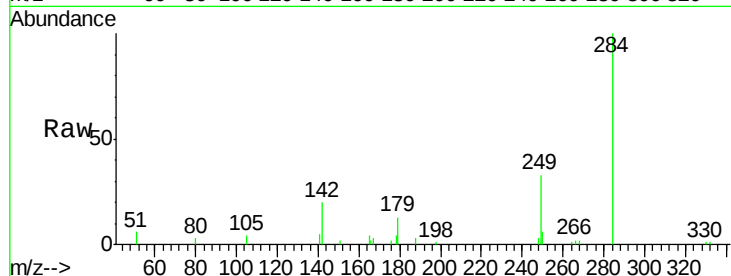
Tgt Ion:284 Resp: 5003

Ion Ratio Lower Upper

284 100

142 33.2 28.7 43.1

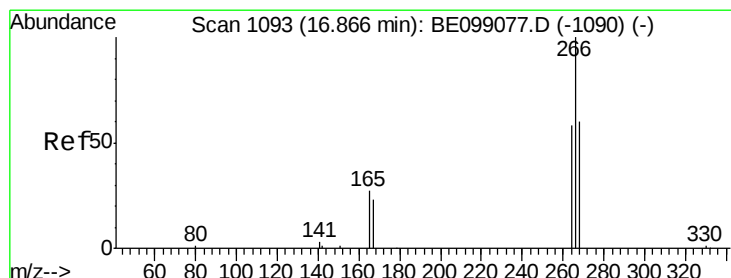
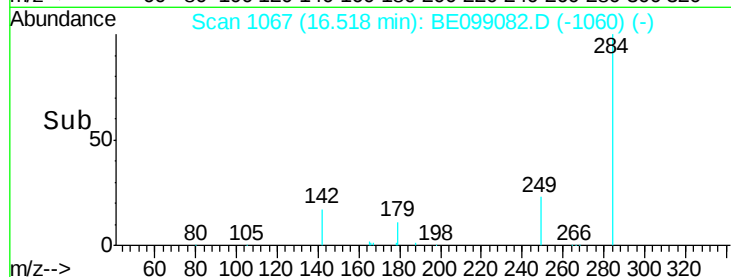
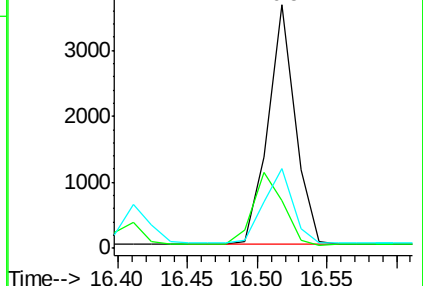
249 32.4 29.6 44.4



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: 0.475 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

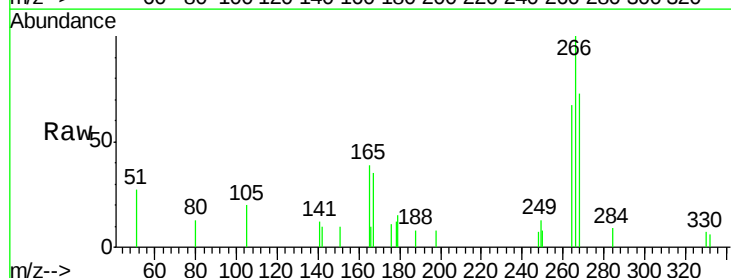
Tgt Ion:266 Resp: 1338

Ion Ratio Lower Upper

266 100

264 66.8 66.6 100.0

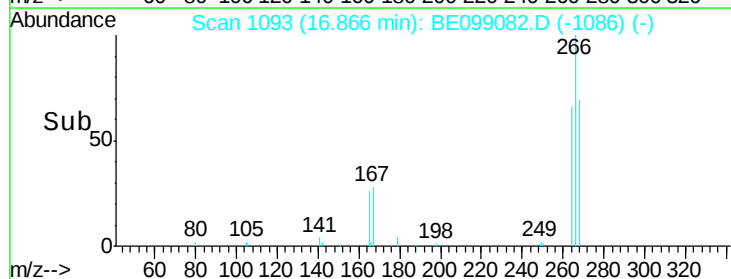
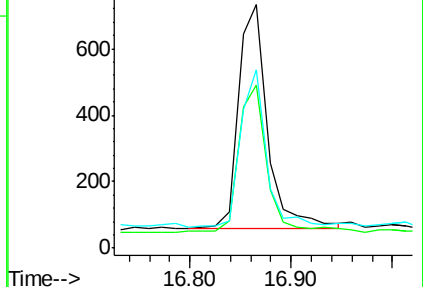
268 73.0 69.8 104.8

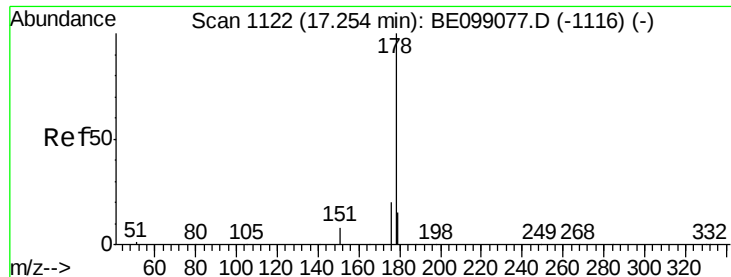


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

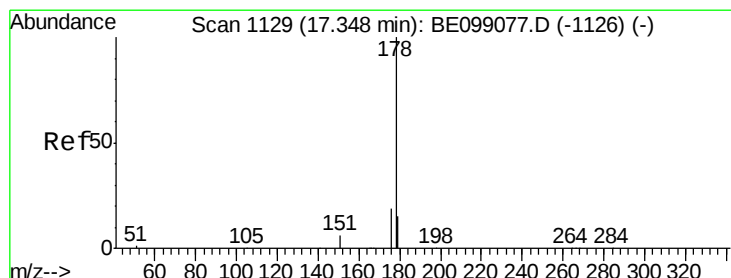
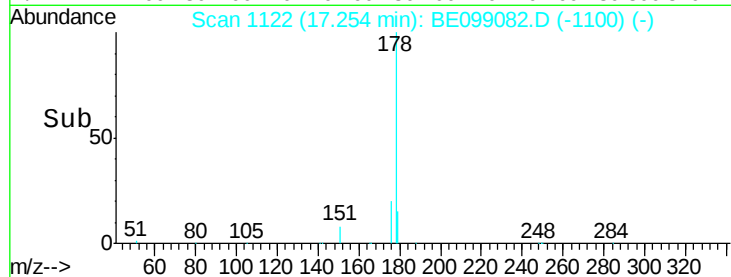
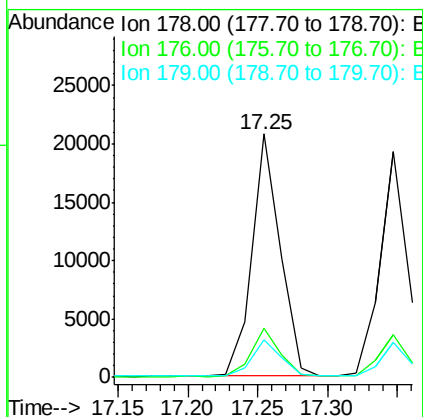
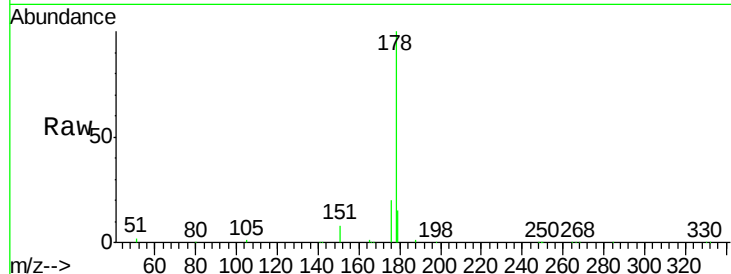




#23
Phenanthrene
Concen: 0.348 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099082.D
Acq: 22 Mar 2019 16:10

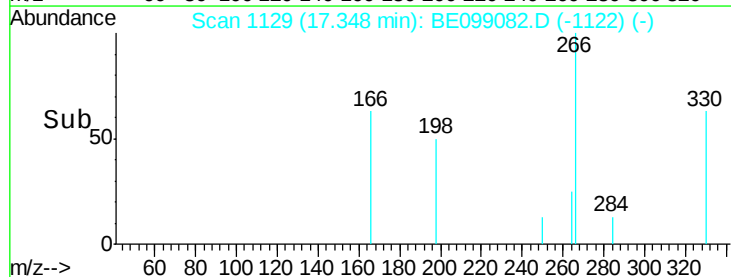
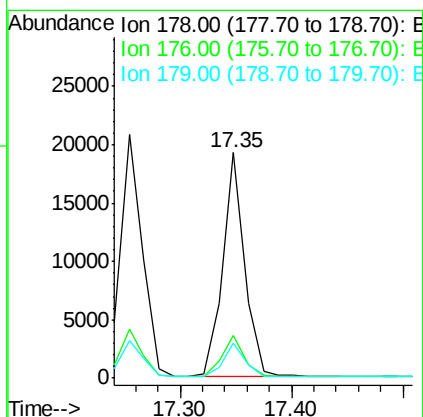
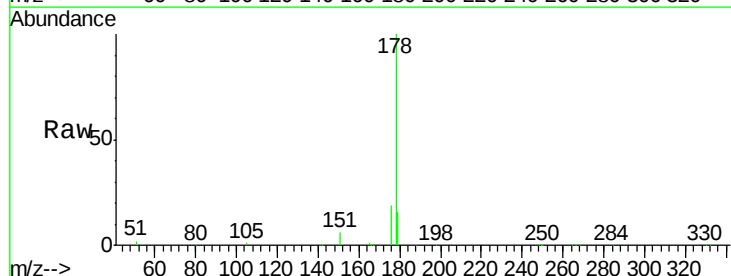
Instrument :
BNA_E
ClientSampleId :
ICVBE032219

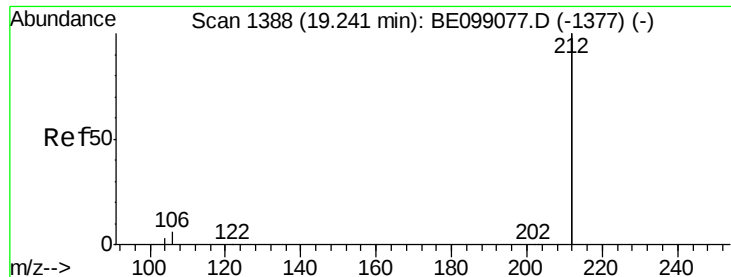
Tgt Ion:178 Resp: 29265
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.5 12.1 18.1



#24
Anthracene
Concen: 0.331 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099082.D
Acq: 22 Mar 2019 16:10

Tgt Ion:178 Resp: 26311
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.1 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

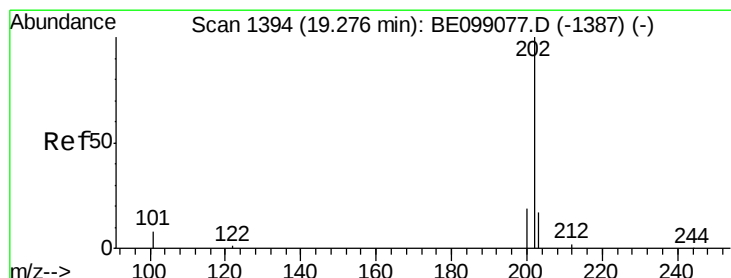
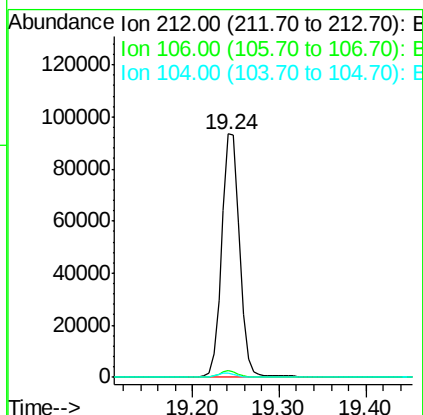
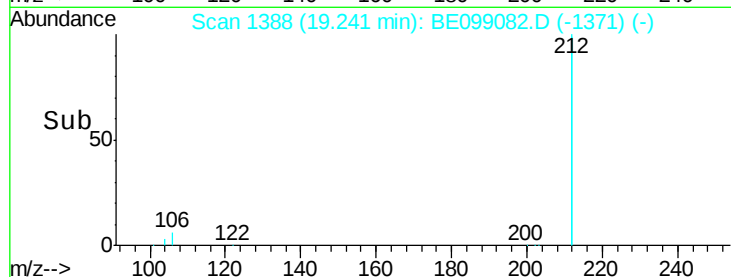
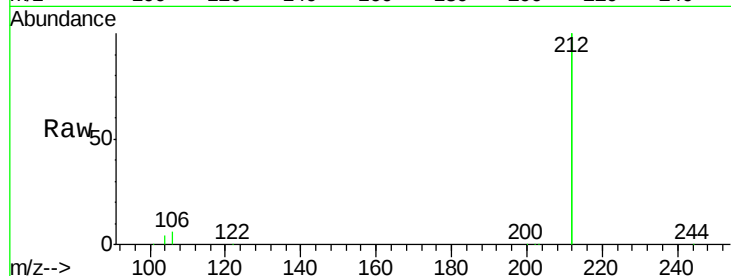
Tgt Ion:212 Resp: 133099

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

104 1.6 1.0 1.6#



#26

Fluoranthene

Concen: 0.340 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

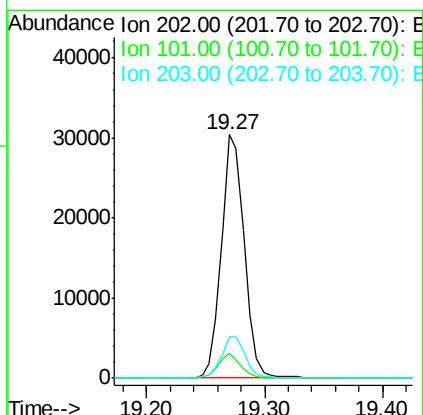
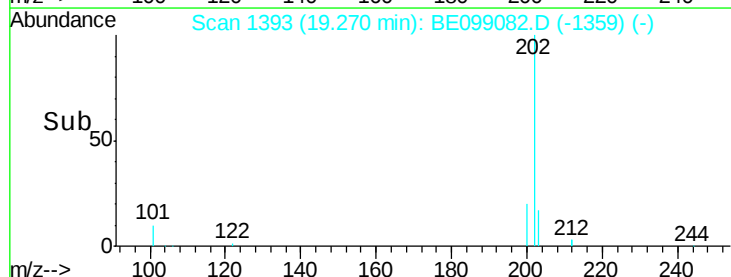
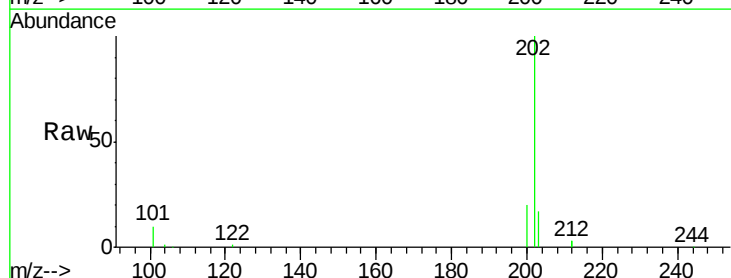
Tgt Ion:202 Resp: 40195

Ion Ratio Lower Upper

202 100

101 9.3 7.3 10.9

203 17.3 13.4 20.2





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

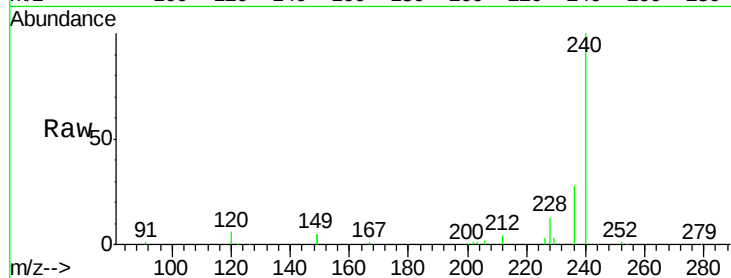
Tgt Ion:240 Resp: 36971

Ion Ratio Lower Upper

240 100

120 5.6 5.0 7.4

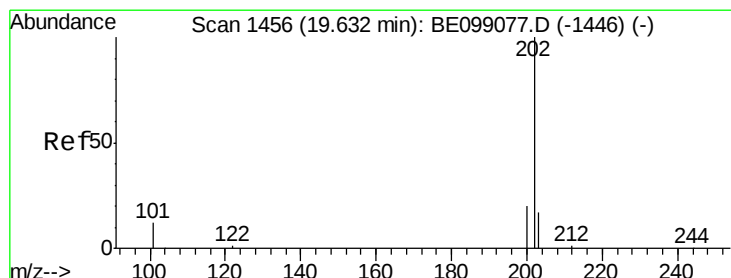
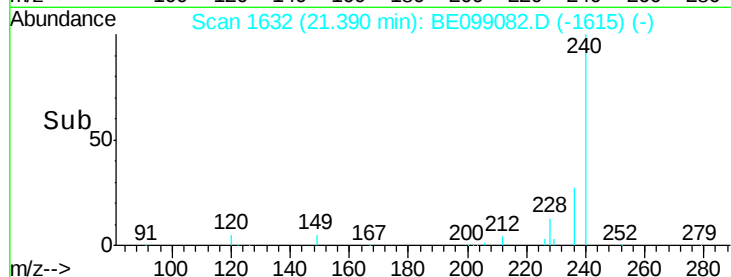
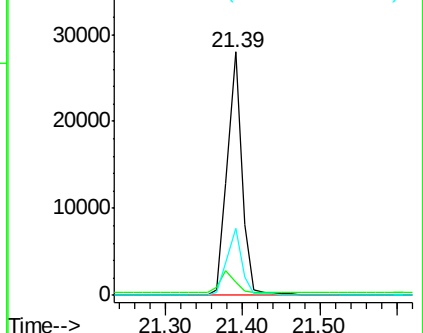
236 27.5 22.7 34.1



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: 0.331 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

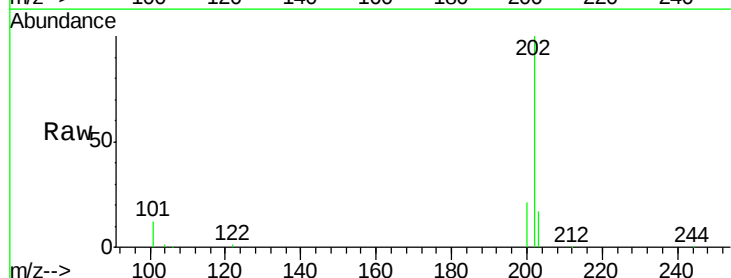
Tgt Ion:202 Resp: 41452

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.6

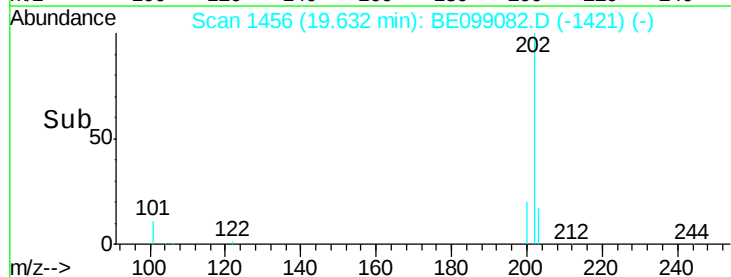
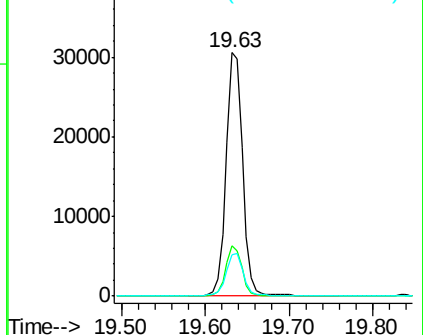
203 17.6 14.2 21.2

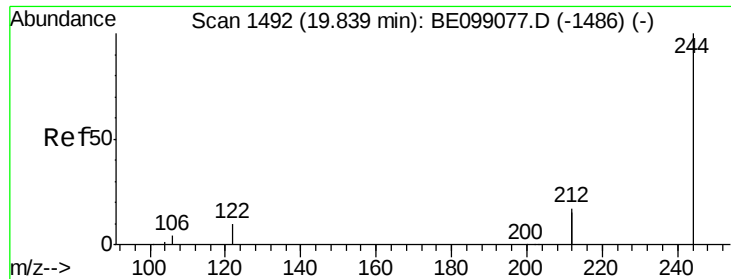


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.350 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

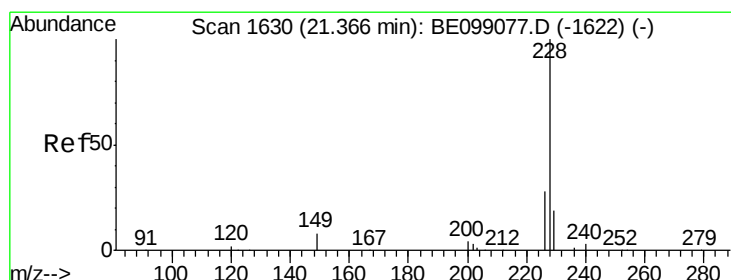
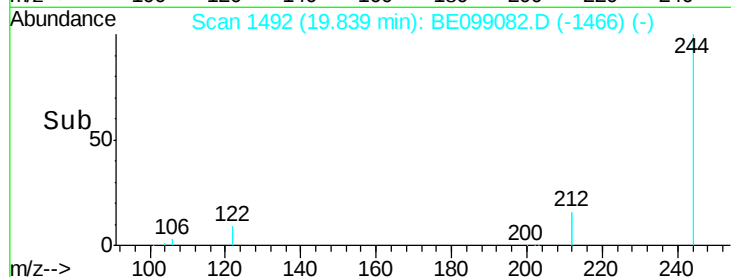
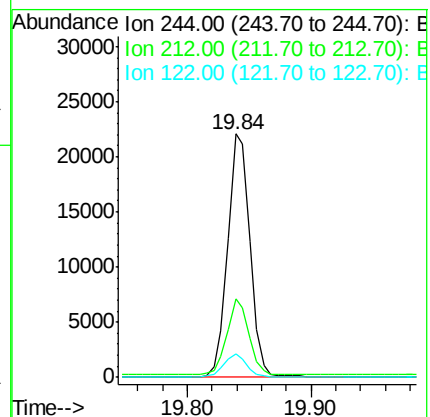
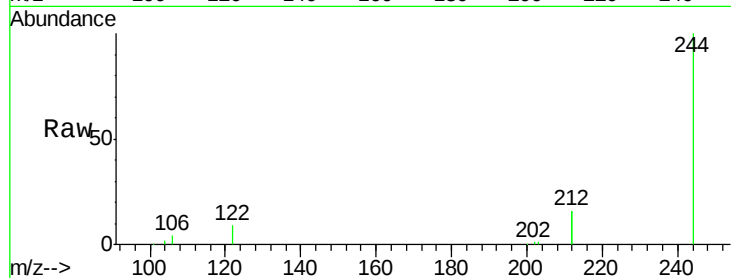
Tgt Ion:244 Resp: 27348

Ion Ratio Lower Upper

244 100

212 32.0 29.4 44.2

122 9.4 7.1 10.7



#30

Benzo(a)anthracene

Concen: 0.337 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

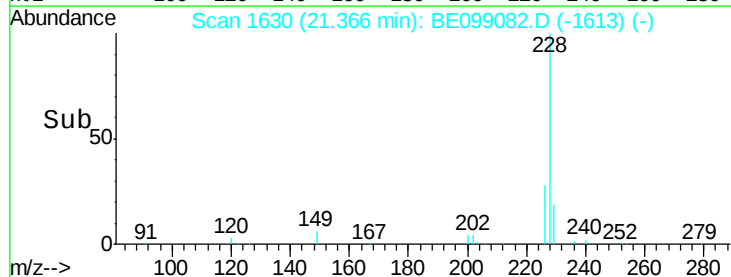
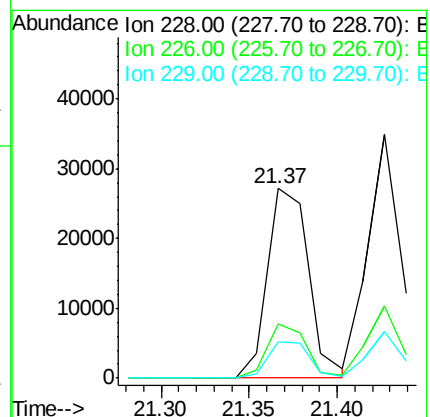
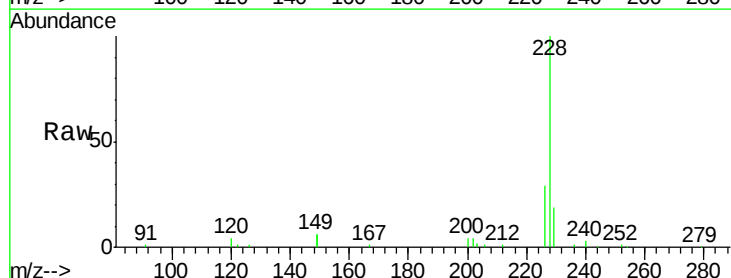
Tgt Ion:228 Resp: 43880

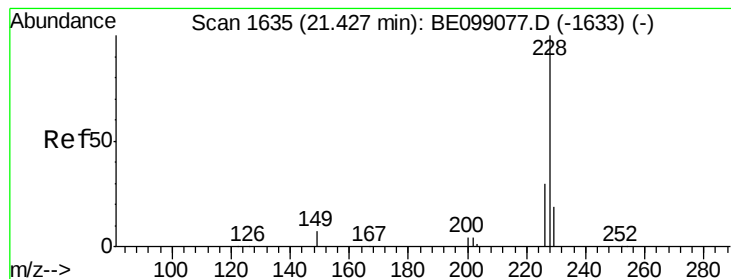
Ion Ratio Lower Upper

228 100

226 28.5 23.0 34.4

229 18.9 16.5 24.7





#31

Chrysene

Concen: 0.347 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

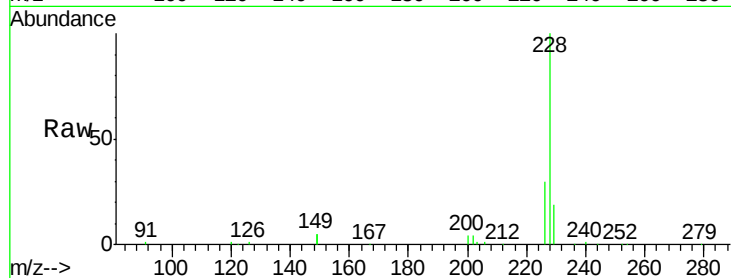
Tgt Ion:228 Resp: 45108

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

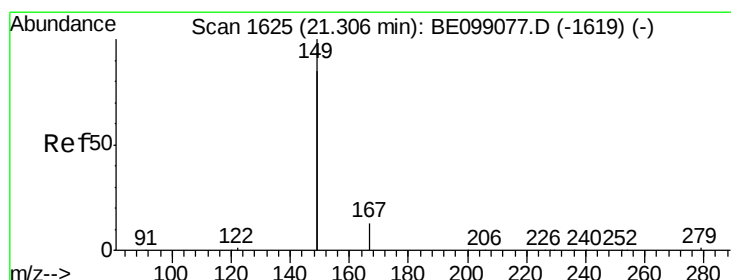
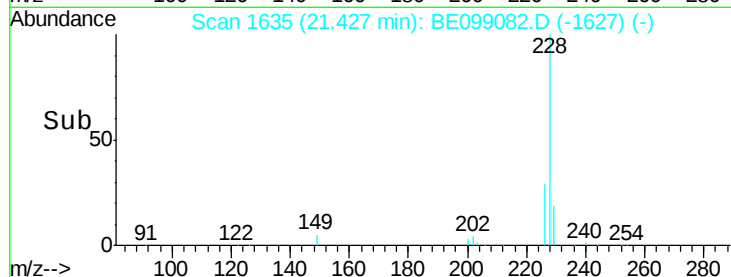
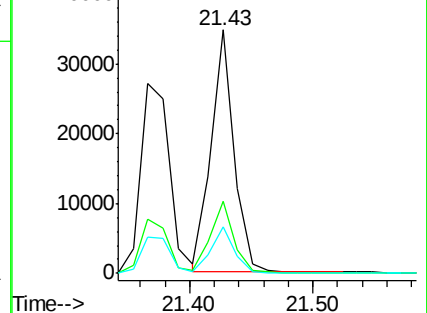
229 19.1 16.1 24.1



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: 0.270 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

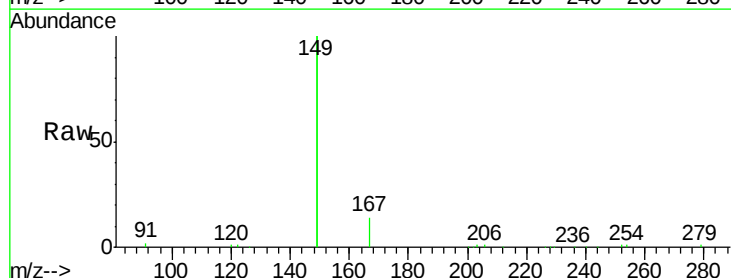
Tgt Ion:149 Resp: 45571

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

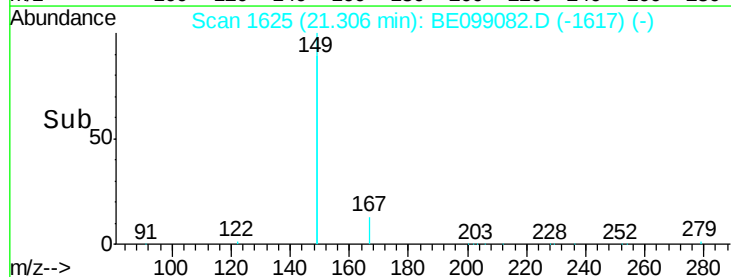
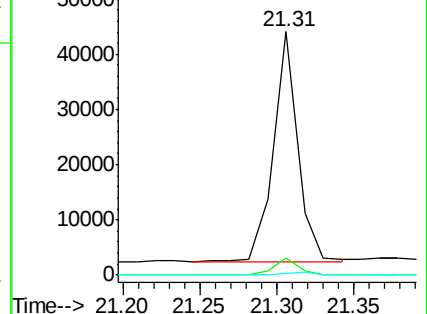
279 1.0 1.0 1.4

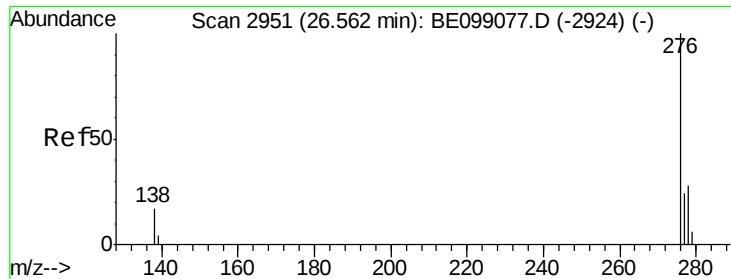


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

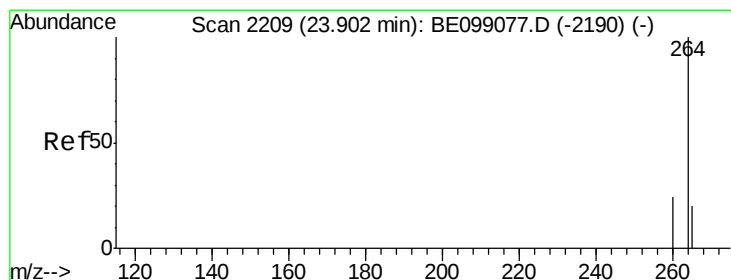
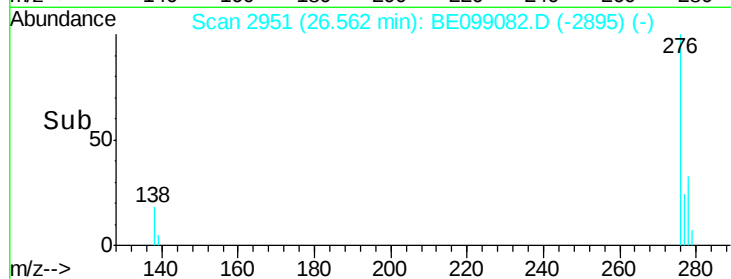
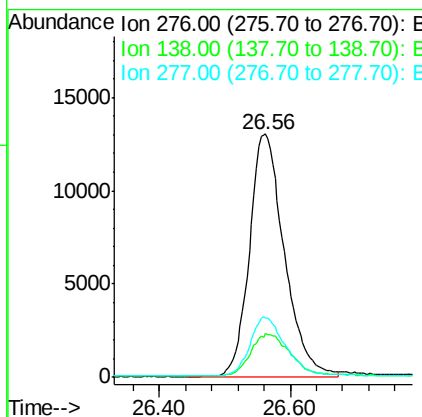
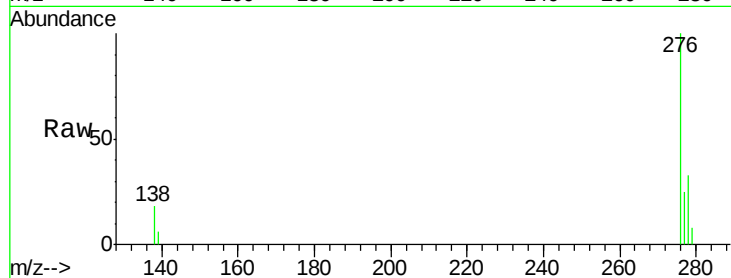




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.343 ng
 RT: 26.56 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: BE099082.D
 Acq: 22 Mar 2019 16:10

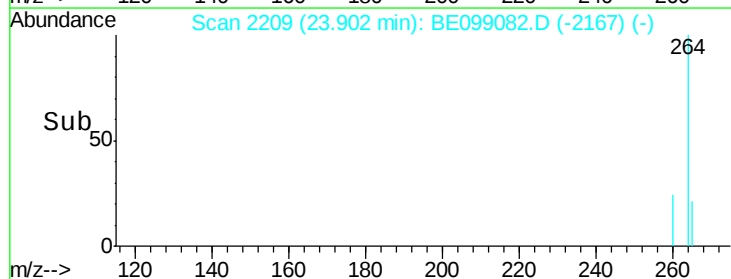
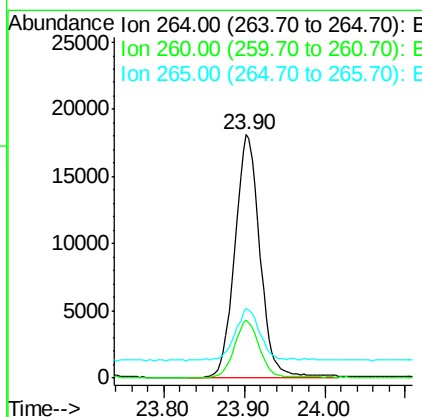
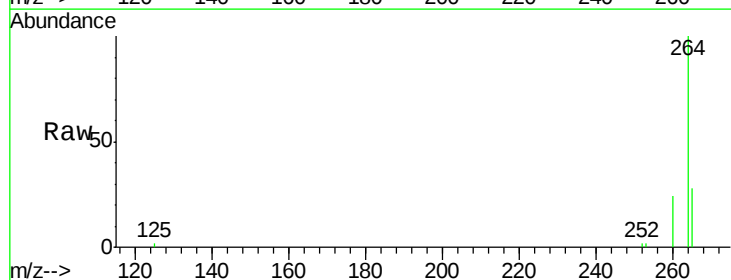
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032219

Tgt Ion:276 Resp: 48034
 Ion Ratio Lower Upper
 276 100
 138 19.4 13.8 20.8
 277 24.6 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: BE099082.D
 Acq: 22 Mar 2019 16:10

Tgt Ion:264 Resp: 38833
 Ion Ratio Lower Upper
 264 100
 260 23.8 21.2 31.8
 265 28.4 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.329 ng

RT: 23.13 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

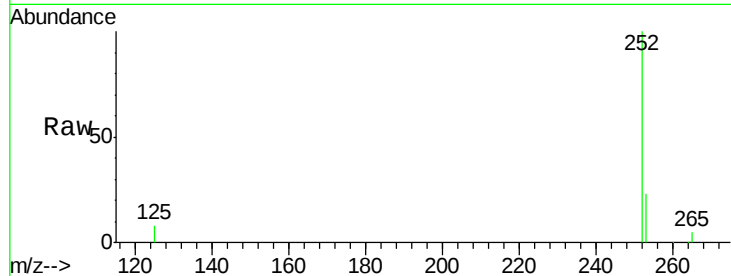
Tgt Ion:252 Resp: 44144

Ion Ratio Lower Upper

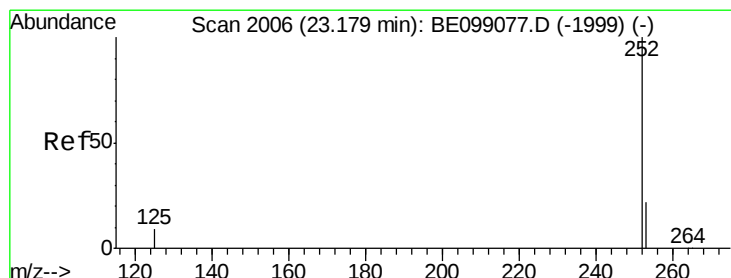
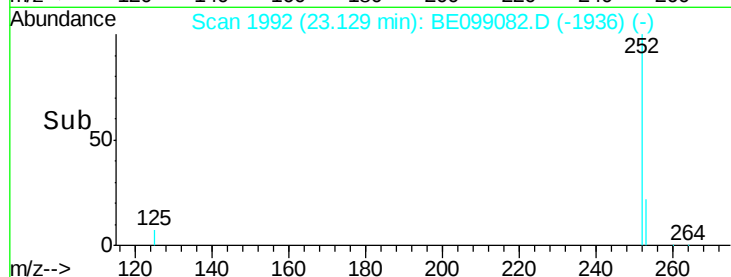
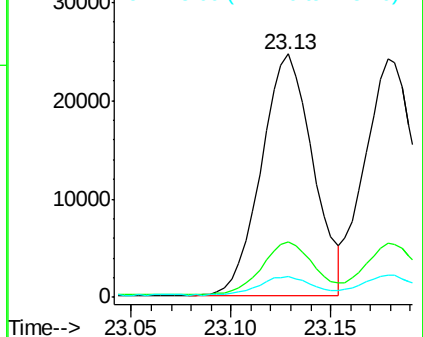
252 100

253 22.8 18.2 27.2

125 8.5 7.3 10.9



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: 0.331 ng

RT: 23.18 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

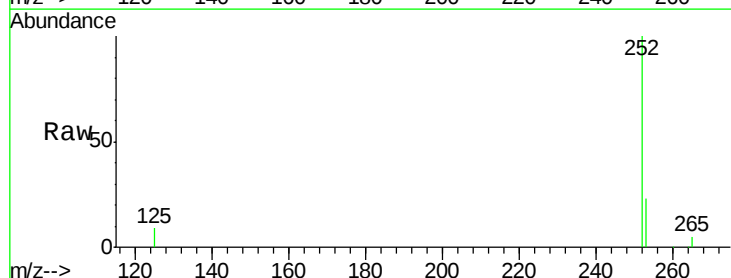
Tgt Ion:252 Resp: 43567

Ion Ratio Lower Upper

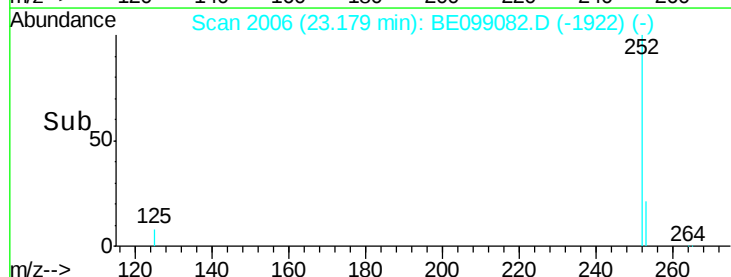
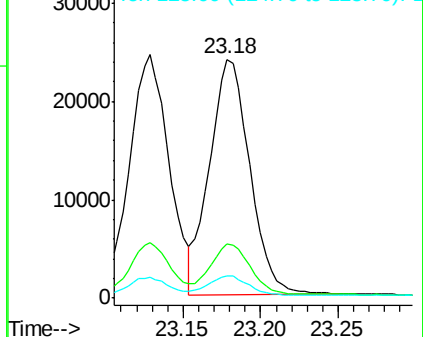
252 100

253 22.7 19.3 28.9

125 9.2 7.5 11.3



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: 0.322 ng

RT: 23.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219

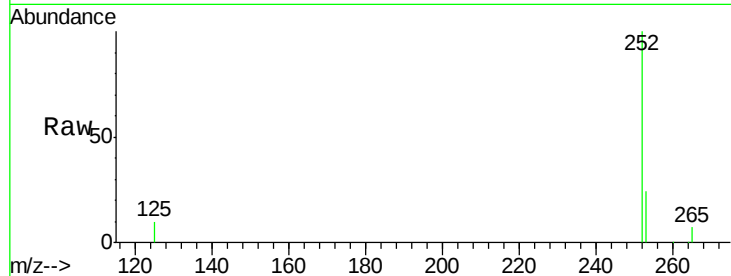
Tgt Ion:252 Resp: 39964

Ion Ratio Lower Upper

252 100

253 24.0 19.9 29.9

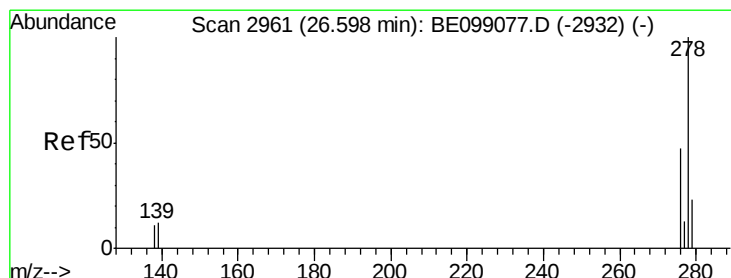
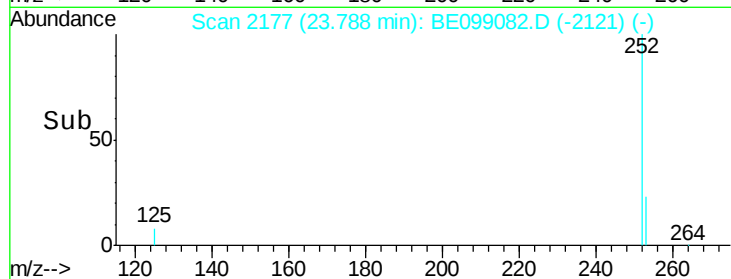
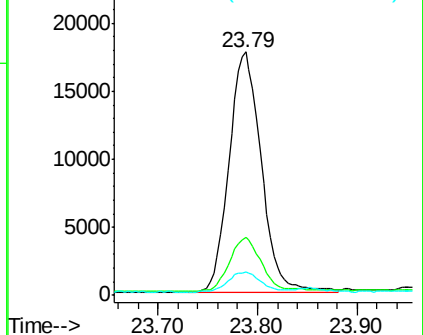
125 9.5 9.0 13.4



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: 0.326 ng

RT: 26.59 min Scan# 2958

Delta R.T. -0.01 min

Lab File: BE099082.D

Acq: 22 Mar 2019 16:10

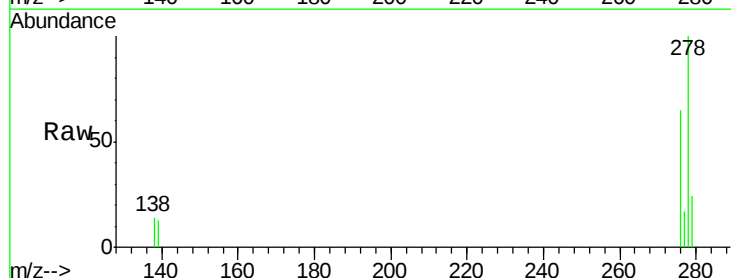
Tgt Ion:278 Resp: 39409

Ion Ratio Lower Upper

278 100

139 13.0 11.8 17.6

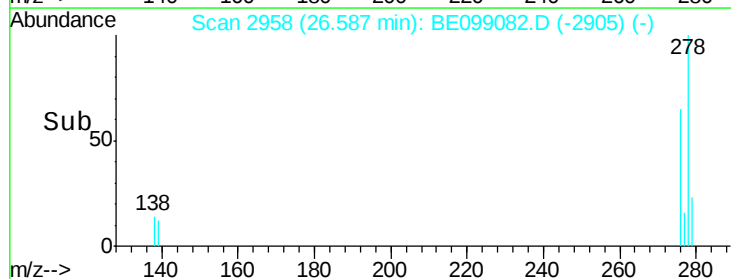
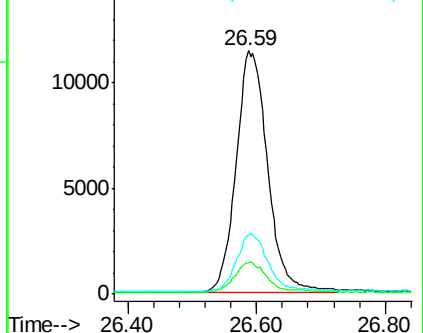
279 24.1 21.1 31.7

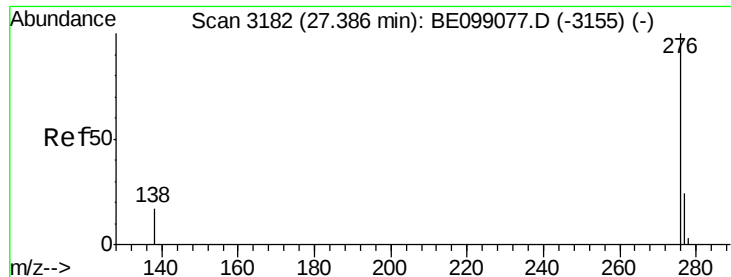


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.330 ng

RT: 27.38 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE099082.D

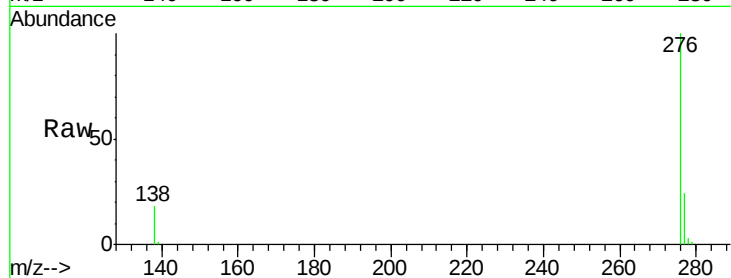
Acq: 22 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

ICVBE032219



Tgt Ion: 276 Resp: 40903

Ion Ratio Lower Upper

276 100

277 23.7 20.4 30.6

138 17.6 13.6 20.4

