

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050819\
 Data File : BE099575.D
 Acq On : 8 May 2019 10:38
 Operator : JU/SJ
 Sample : PB119314BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 08 12:23:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 07 14:10:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2156	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	7230	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4714	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	13473	0.40	ng	0.00
27) Chrysene-d12	21.43	240	18917	0.40	ng	0.00
34) Perylene-d12	23.98	264	22251	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	1990	0.33	ng	0.00
5) Phenol-d6	6.99	99	2636	0.34	ng	0.00
8) Nitrobenzene-d5	8.99	82	2192	0.31	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	5403	0.43	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	761	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	6120	0.34	ng	0.00
25) Fluoranthene-d10	19.28	212	60107	0.33	ng	0.00
29) Terphenyl-d14	19.87	244	12834	0.37	ng	0.00

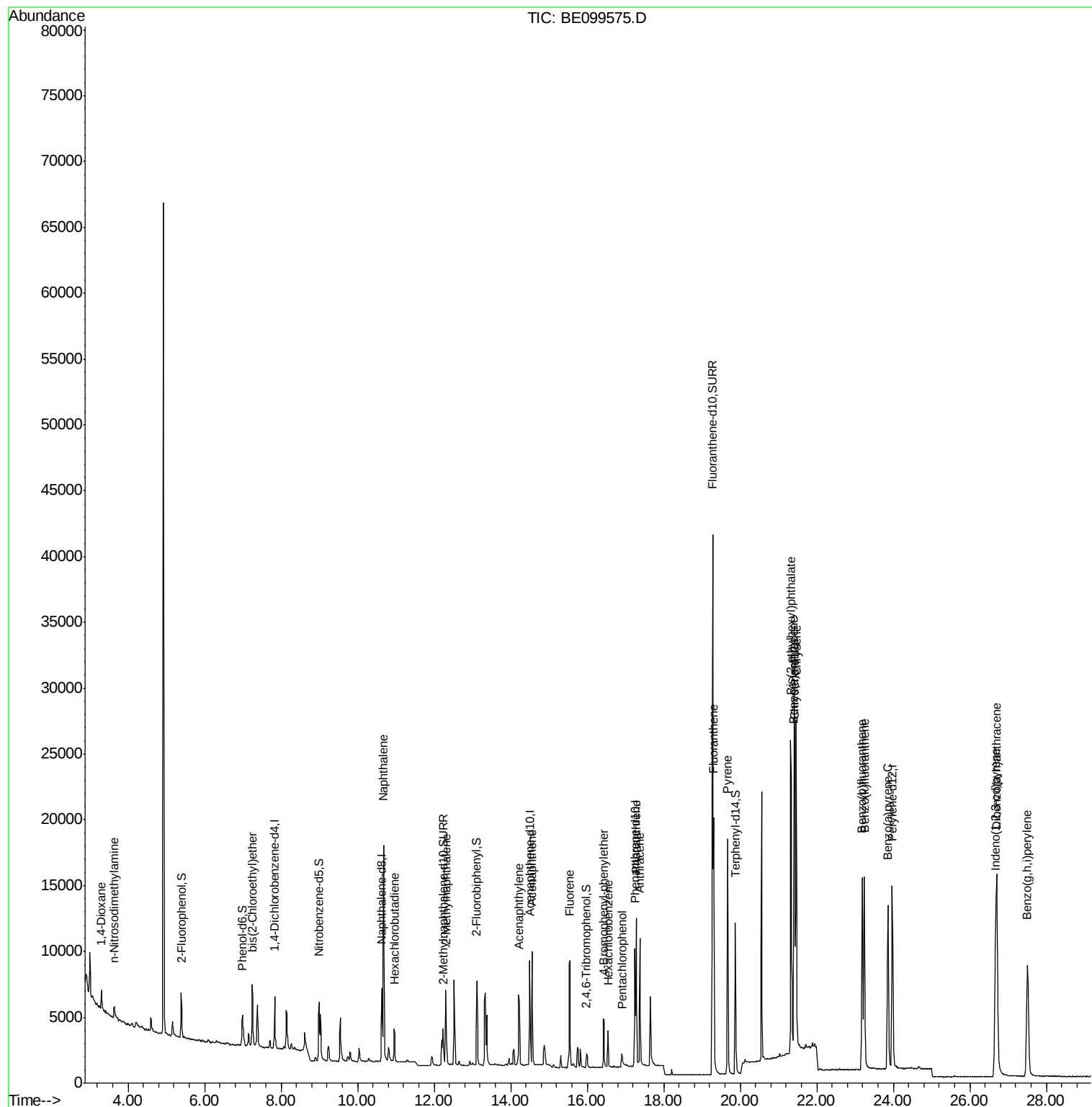
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	1006	0.330	ng	# 71
3) n-Nitrosodimethylamine	3.62	42	588	0.292	ng	# 69
6) bis(2-Chloroethyl)ether	7.25	93	2216	0.338	ng	96
9) Naphthalene	10.68	128	27145	0.354	ng	100
10) Hexachlorobutadiene	10.95	225	1918	0.345	ng	96
12) 2-Methylnaphthalene	12.31	142	4523	0.348	ng	97
16) Acenaphthylene	14.21	152	7607	0.334	ng	100
17) Acenaphthene	14.56	154	4411	0.347	ng	97
18) Fluorene	15.54	166	6266	0.345	ng	99
20) 4-Bromophenyl-phenylether	16.44	248	2552	0.333	ng	# 74
21) Hexachlorobenzene	16.55	284	2538	0.333	ng	97
22) Pentachlorophenol	16.91	266	1175	0.375	ng	98
23) Phenanthrene	17.28	178	11664	0.351	ng	99
24) Anthracene	17.38	178	10724	0.336	ng	100
26) Fluoranthene	19.31	202	17746	0.347	ng	100
28) Pyrene	19.67	202	18789	0.371	ng	100
30) Benzo(a)anthracene	21.40	228	22596	0.386	ng	97
31) Chrysene	21.46	228	21726	0.376	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	32504	0.350	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	27647	0.403	ng	# 94
35) Benzo(b)fluoranthene	23.19	252	22154	0.361	ng	98
36) Benzo(k)fluoranthene	23.24	252	23584	0.390	ng	98
37) Benzo(a)pyrene	23.86	252	21956	0.371	ng	99
38) Dibenzo(a,h)anthracene	26.71	278	22785	0.372	ng	97
39) Benzo(g,h,i)perylene	27.50	276	23399	0.382	ng	99

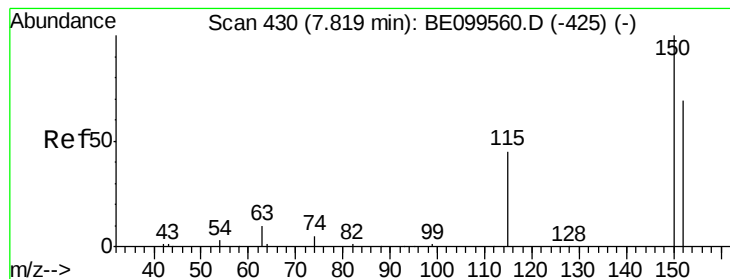
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampled :

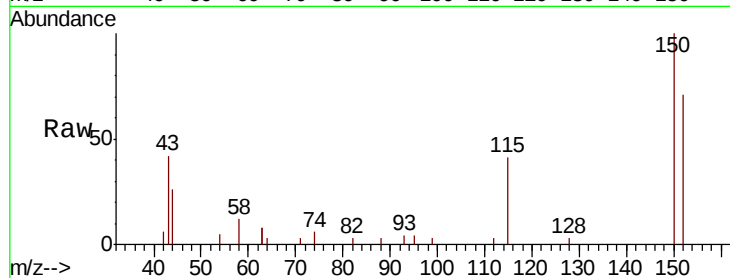
Tot Ion:152 Resp: 2156

Ion Ratio Lower Upper

152 100

150 141.7 113.8 170.6

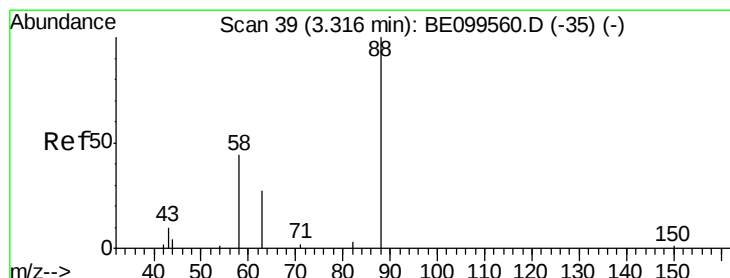
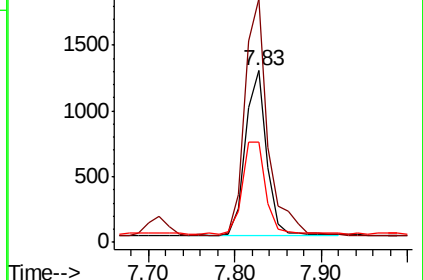
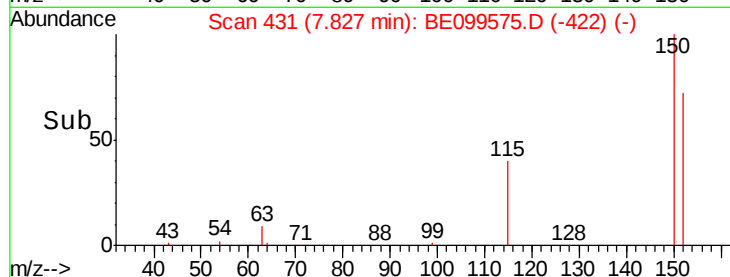
115 58.4 54.2 81.2



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: 0.330 ng

RT: 3.30 min Scan# 38

Delta R.T. -0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

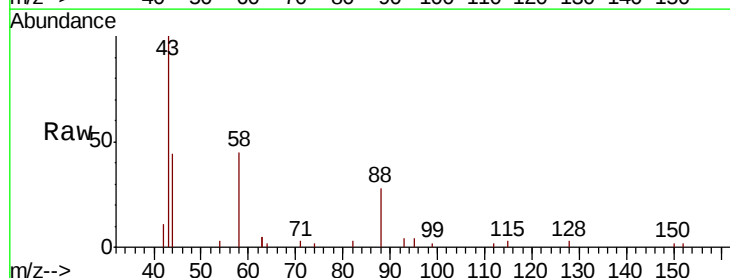
Tgt Ion: 88 Resp: 1006

Ion Ratio Lower Upper

88 100

58 63.5 46.6 69.8

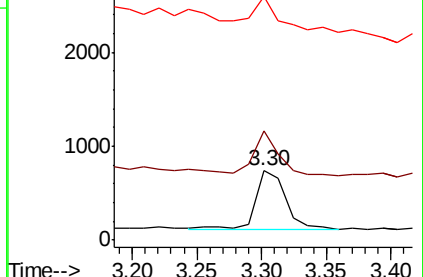
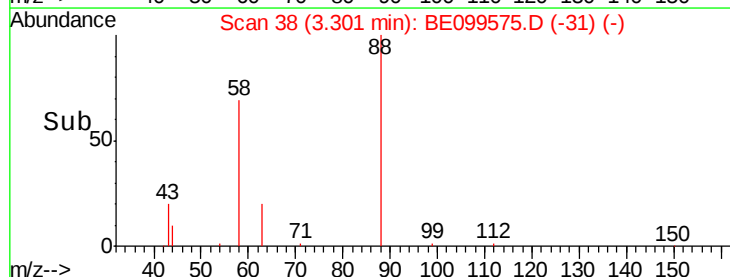
43 66.0 20.3 30.5#

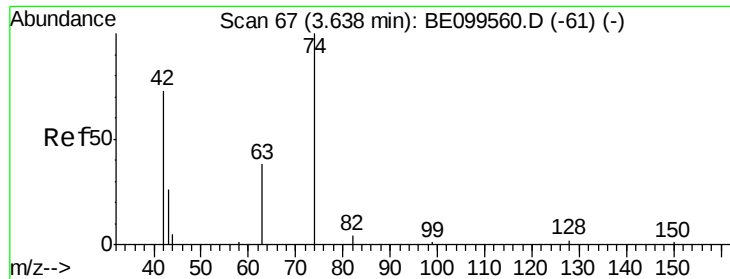


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.292 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :

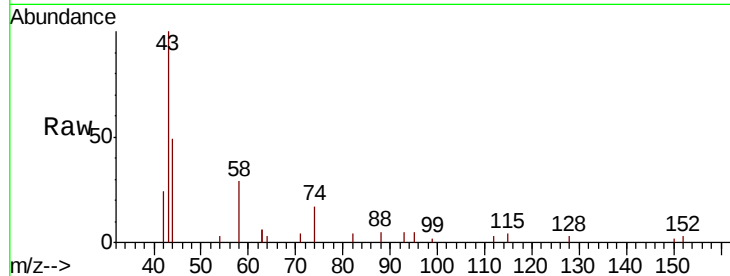
Tot Ion: 42 Resp: 588

Ion Ratio Lower Upper

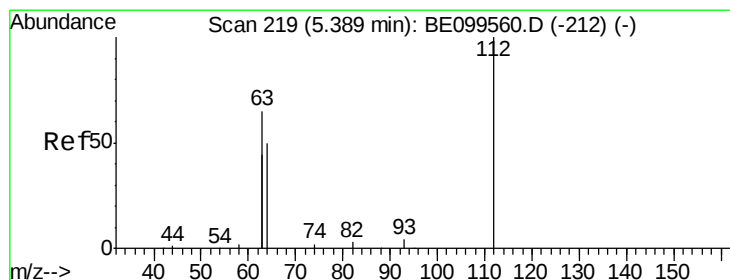
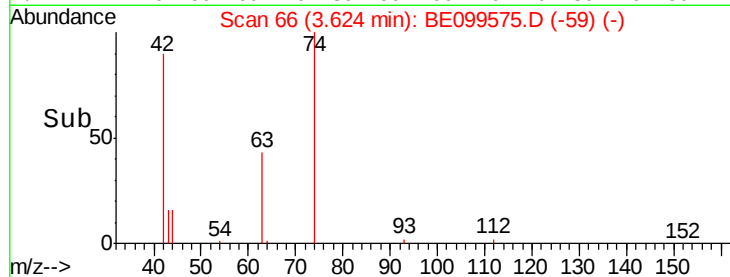
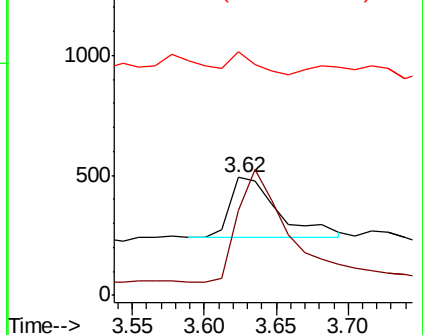
42 100

74 190.8 121.3 181.9#

44 17.3 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: 0.333 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

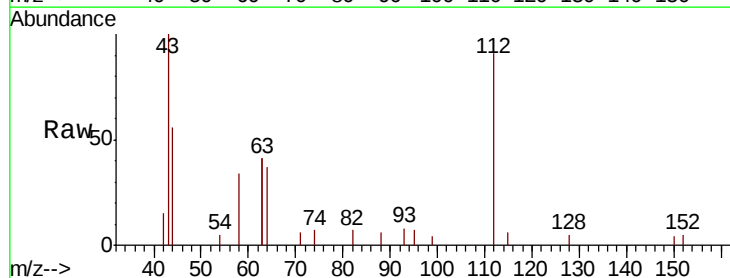
Tgt Ion: 112 Resp: 1990

Ion Ratio Lower Upper

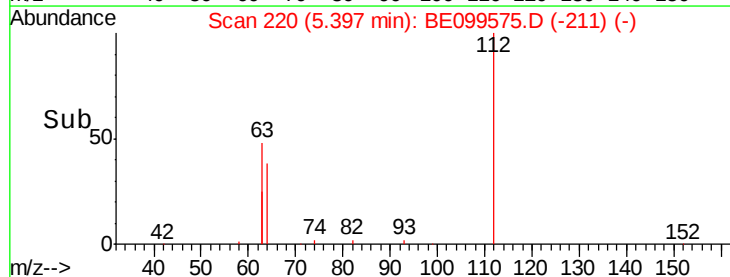
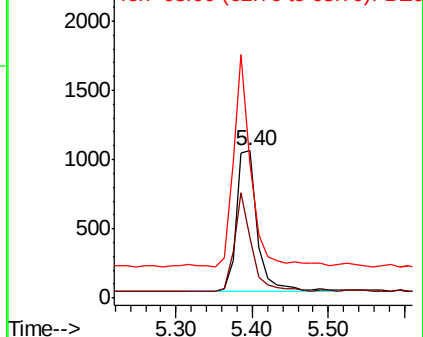
112 100

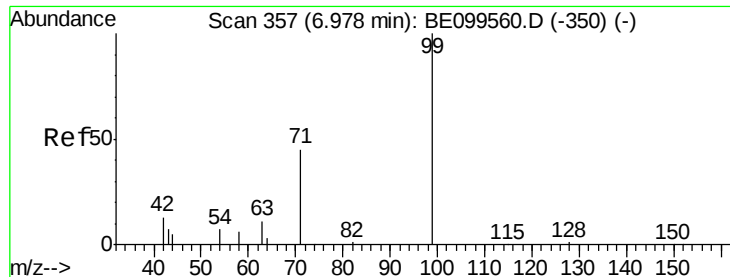
64 56.0 46.3 69.5

63 121.8 99.6 149.4



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. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :

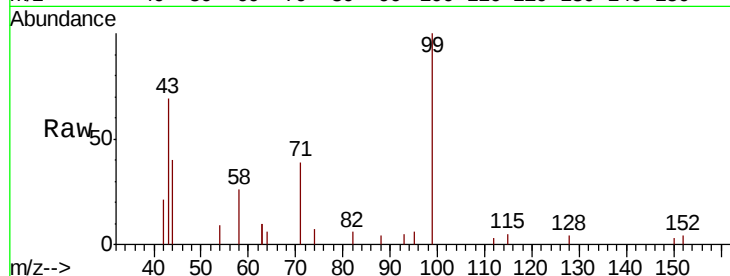
Tot Ion: 99 Resp: 2636

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

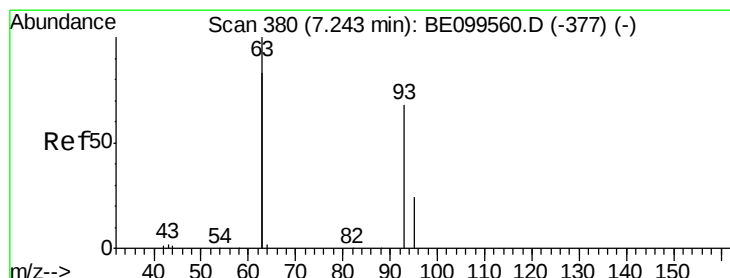
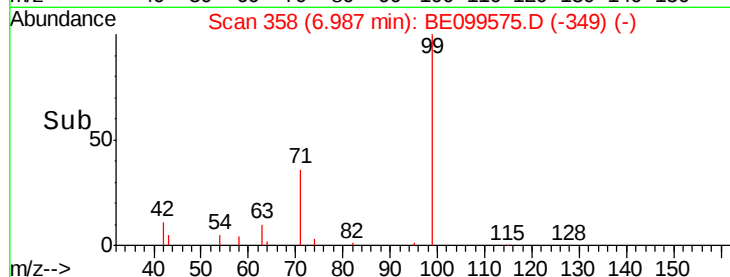
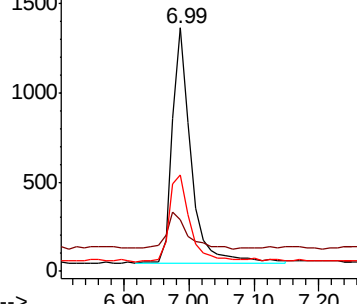
71 40.2 34.2 51.2



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: 0.338 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

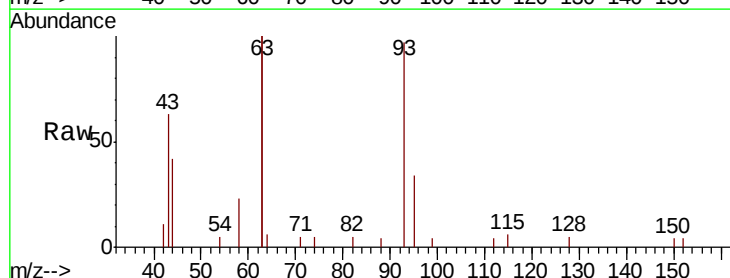
Tgt Ion: 93 Resp: 2216

Ion Ratio Lower Upper

93 100

63 253.3 209.0 313.4

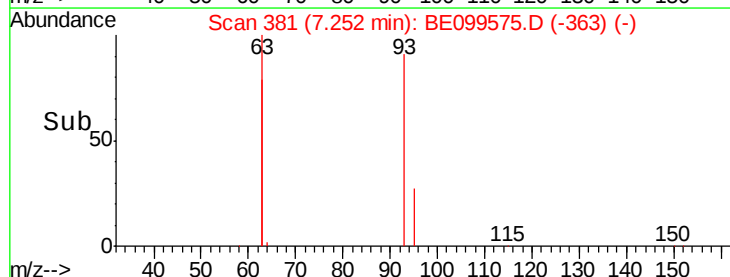
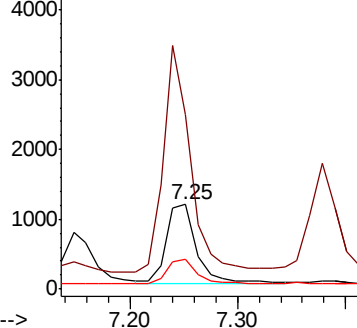
95 33.6 26.9 40.3

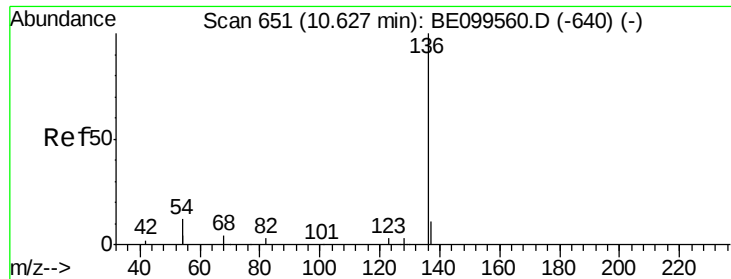


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7230

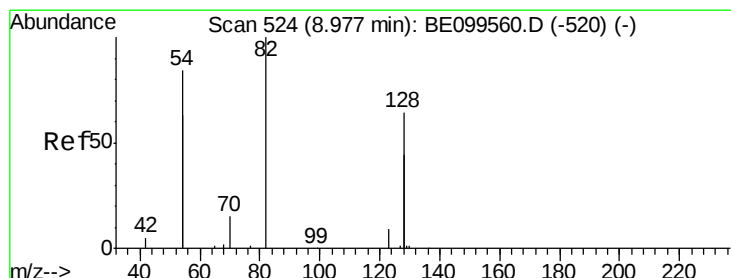
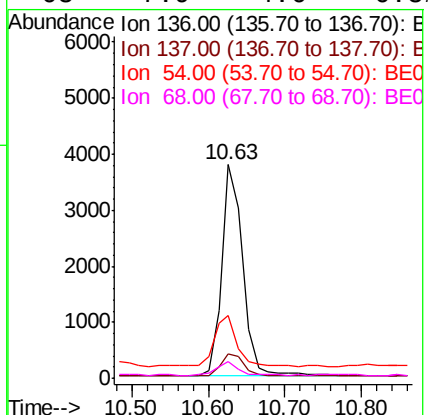
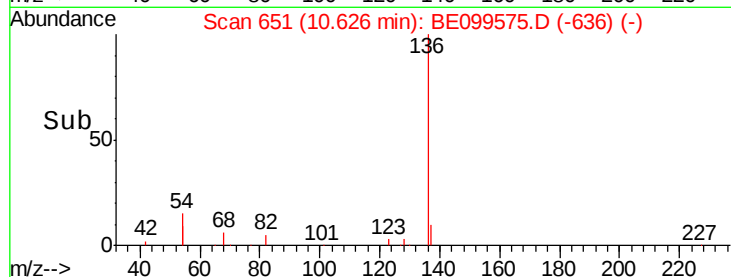
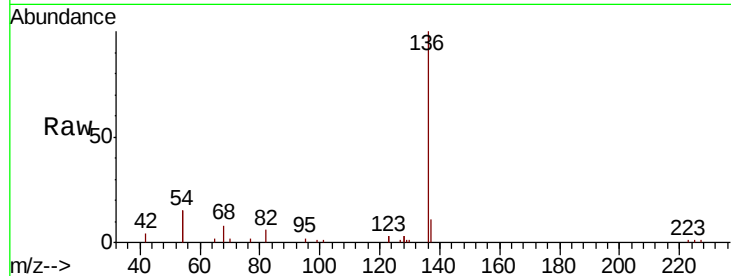
Ion Ratio Lower Upper

136 100

137 11.3 10.0 15.0

54 29.5 18.6 28.0#

68 7.9 4.6 6.8#



#8

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

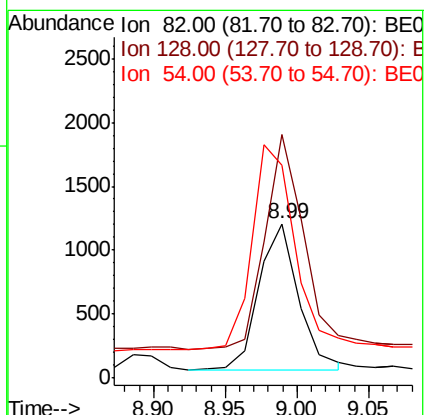
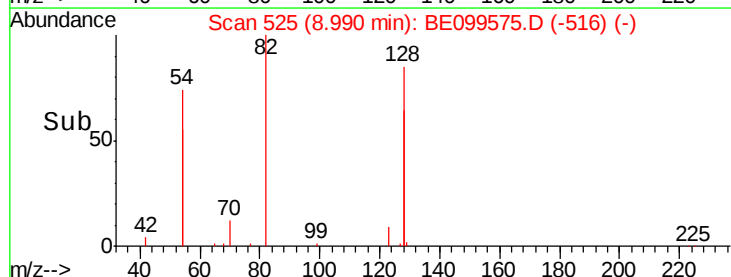
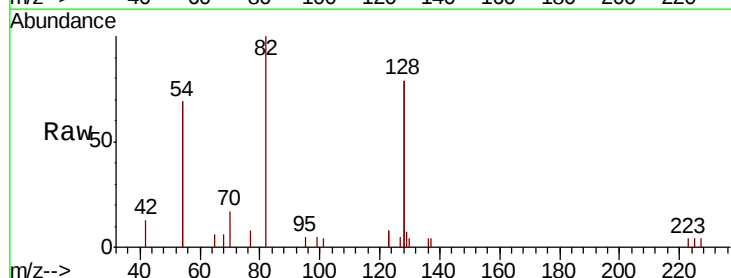
Tgt Ion: 82 Resp: 2192

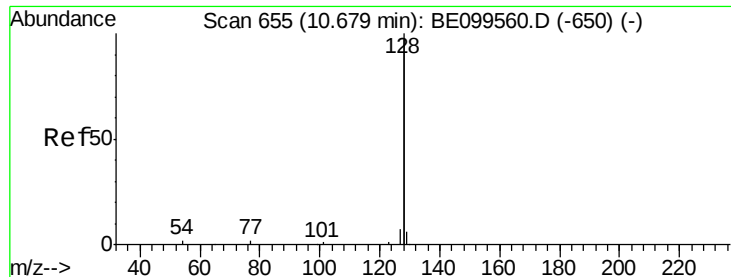
Ion Ratio Lower Upper

82 100

128 157.9 97.6 146.4#

54 138.3 127.4 191.2

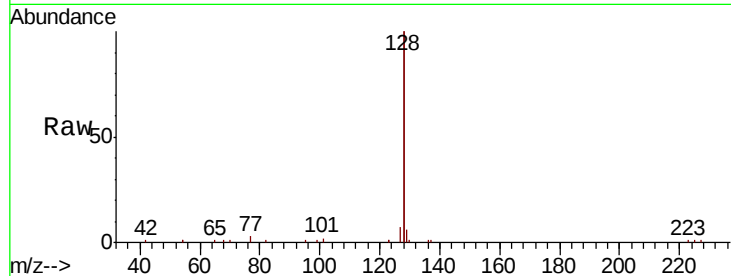




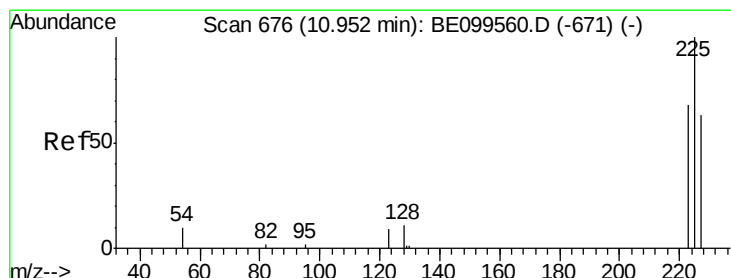
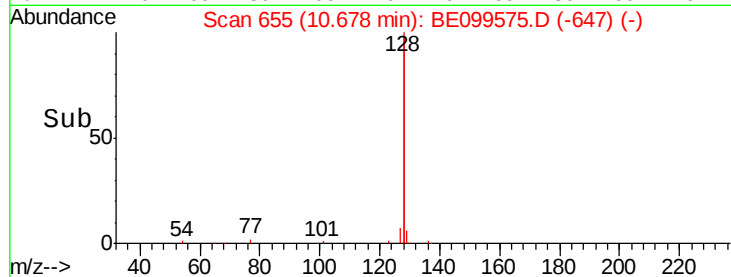
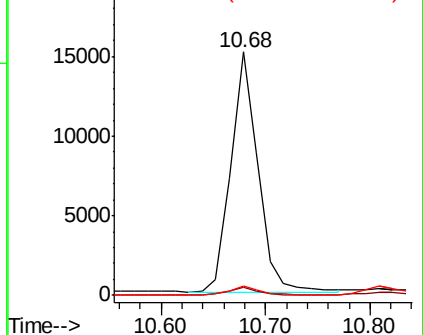
#9
Naphthalene
Concen: 0.354 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:128 Resp: 27145
Ion Ratio Lower Upper
128 100
129 3.1 2.6 3.8
127 3.6 3.0 4.4

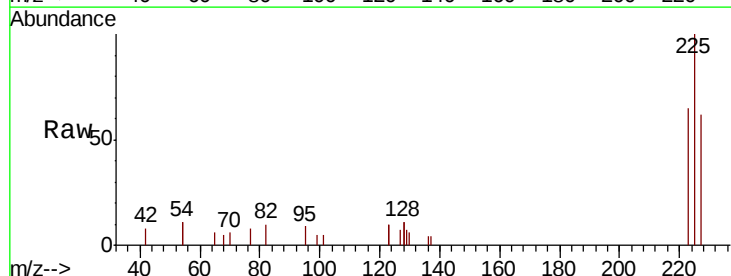


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

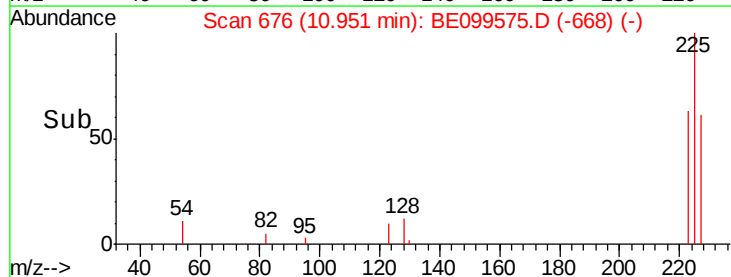
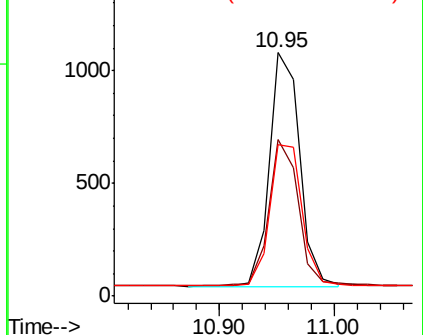


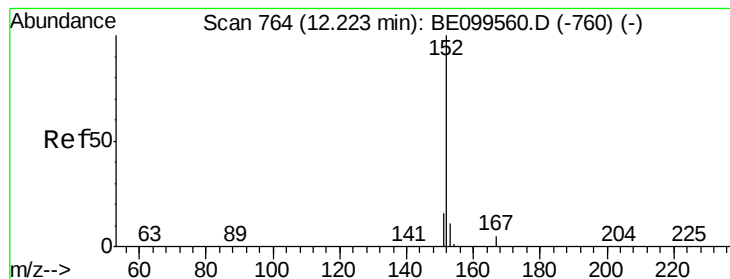
#10
Hexachlorobutadiene
Concen: 0.345 ng
RT: 10.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Tgt Ion:225 Resp: 1918
Ion Ratio Lower Upper
225 100
223 60.5 53.0 79.6
227 64.0 51.4 77.0



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: 0.429 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

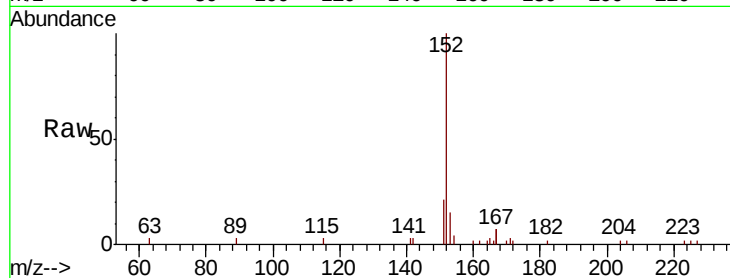
ClientSampleId :

Tot Ion:152 Resp: 5403

Ion Ratio Lower Upper

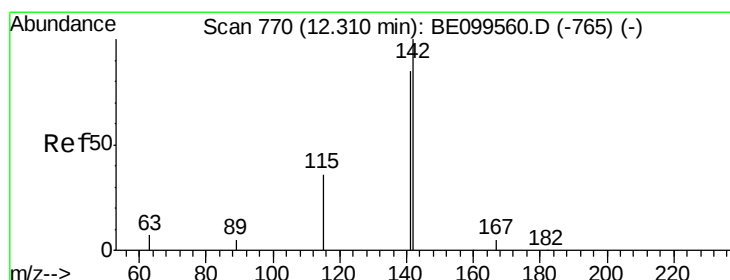
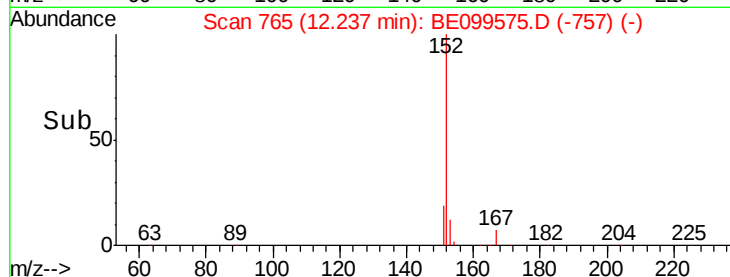
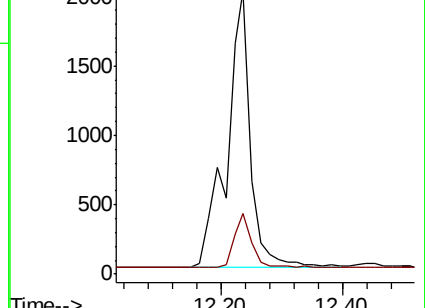
152 100

151 14.8 15.8 23.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.348 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

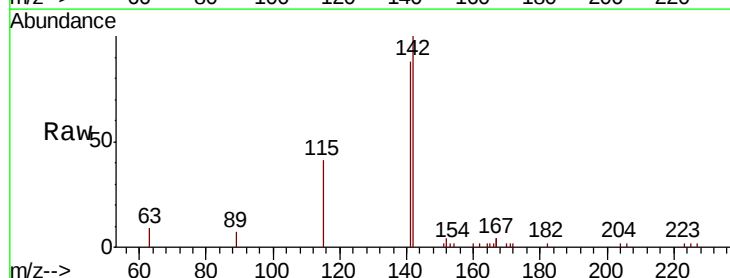
Tgt Ion:142 Resp: 4523

Ion Ratio Lower Upper

142 100

141 88.1 68.1 102.1

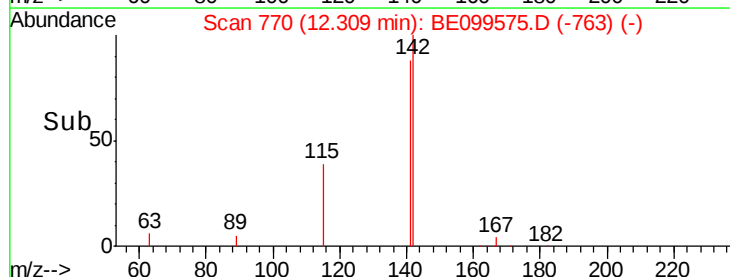
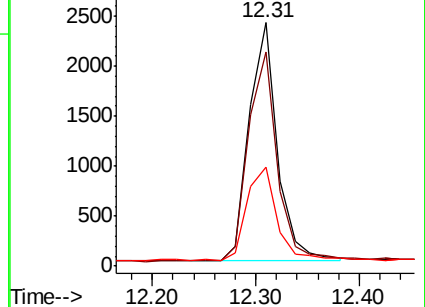
115 40.8 30.8 46.2

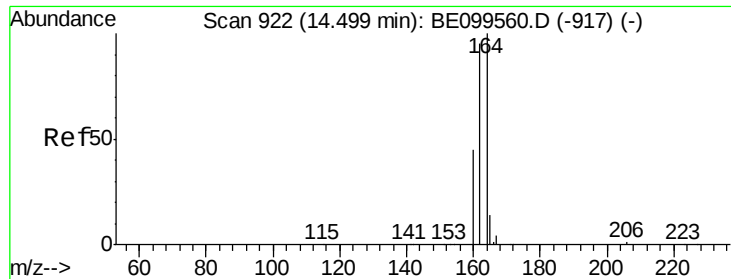


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

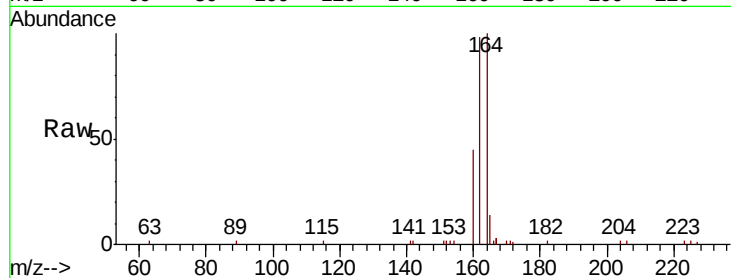




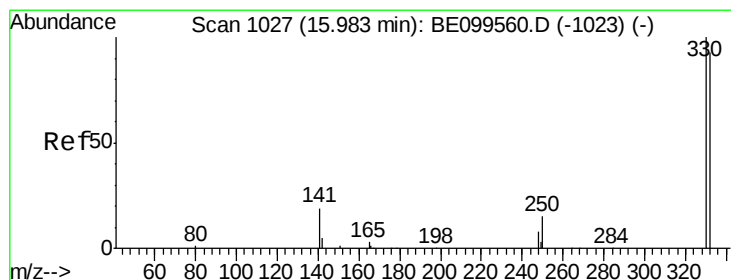
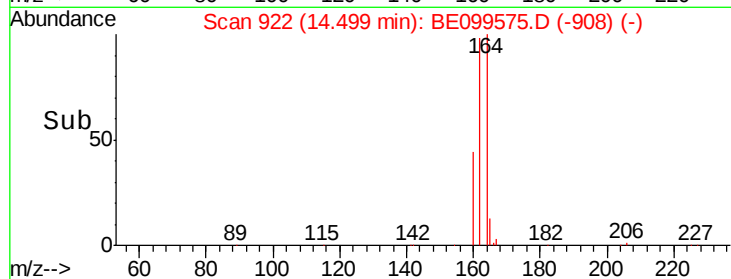
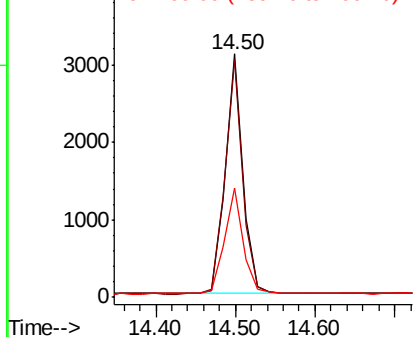
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4714
Ion Ratio Lower Upper
164 100
162 97.5 76.4 114.6
160 44.8 36.6 55.0

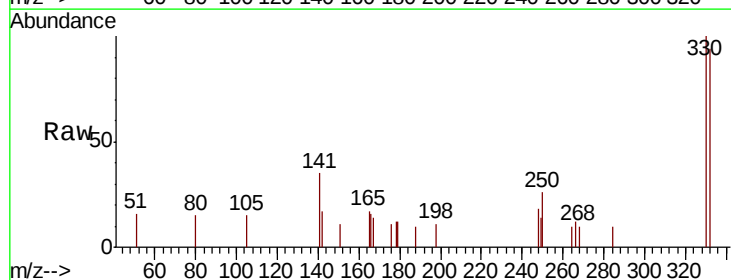


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

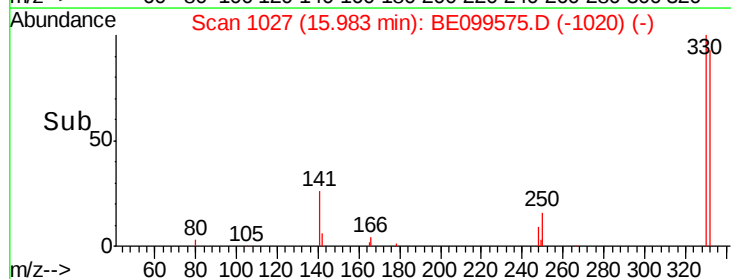
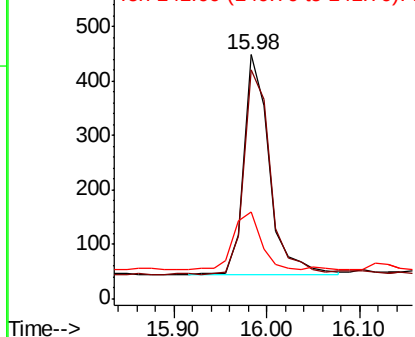


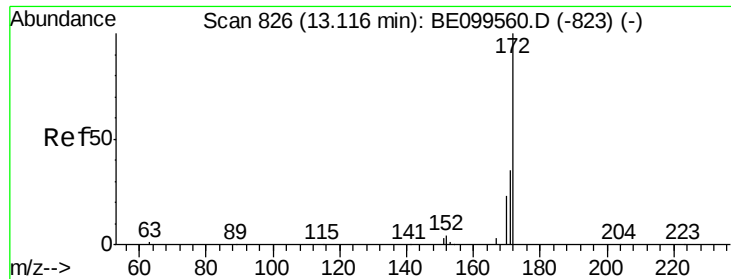
#14
2,4,6-Tribromophenol
Concen: 0.242 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Tgt Ion:330 Resp: 761
Ion Ratio Lower Upper
330 100
332 100.8 77.7 116.5
141 28.3 26.1 39.1



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

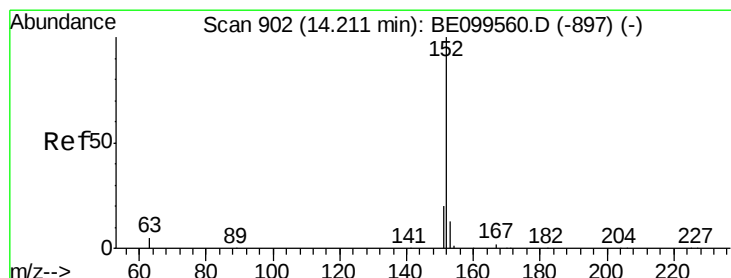
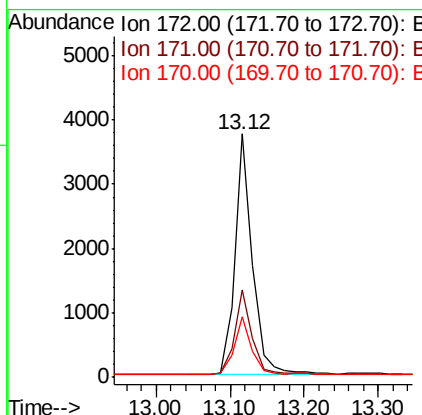
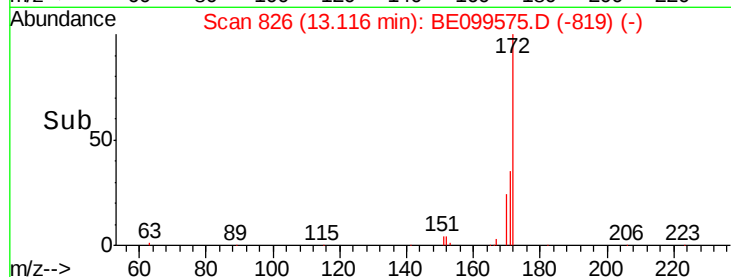
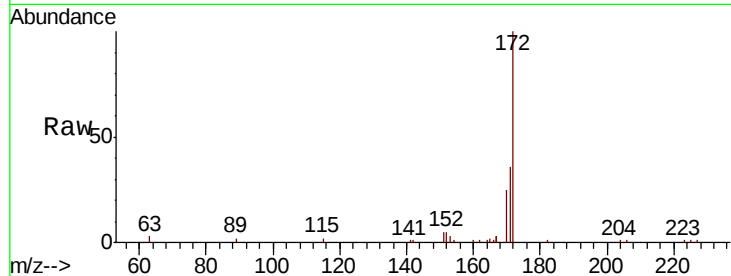




#15
2-Fluorobiphenyl
Concen: 0.343 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

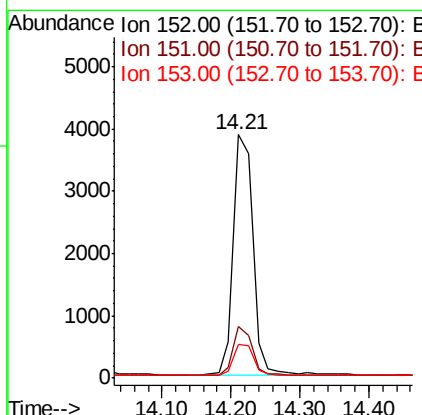
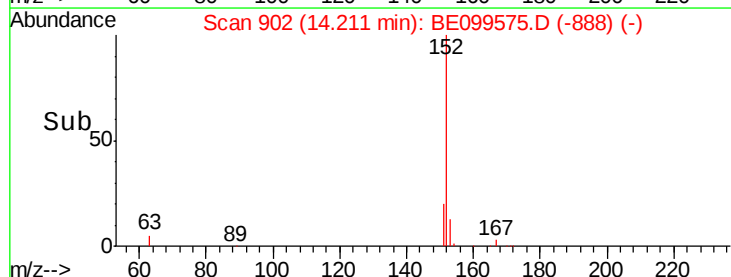
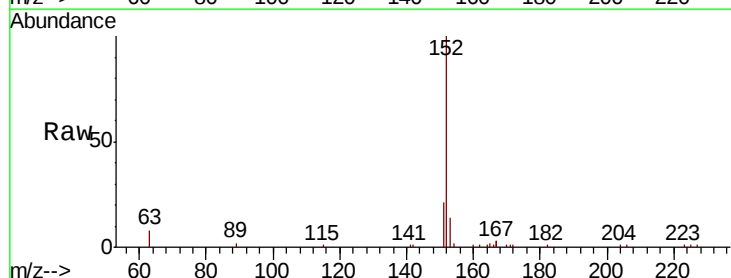
Instrument :
BNA_E
ClientSampleId :

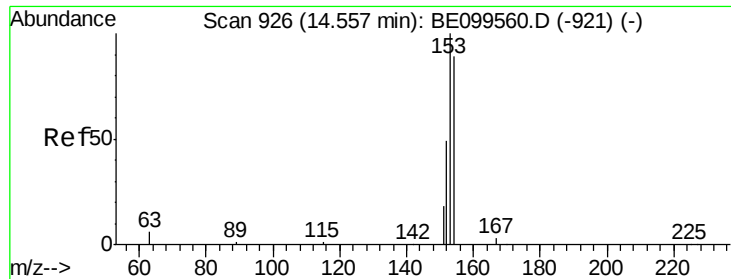
Tot Ion:172 Resp: 6120
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.8 18.8 28.2



#16
Acenaphthylene
Concen: 0.334 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Tgt Ion:152 Resp: 7607
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.2 10.5 15.7

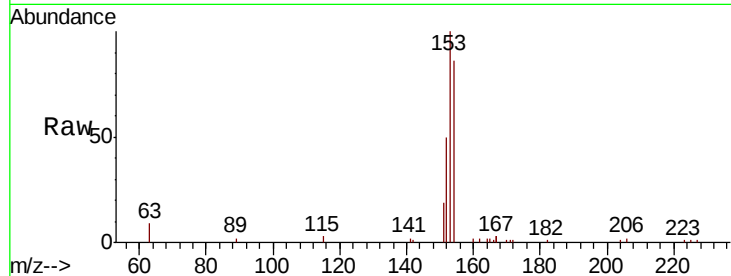




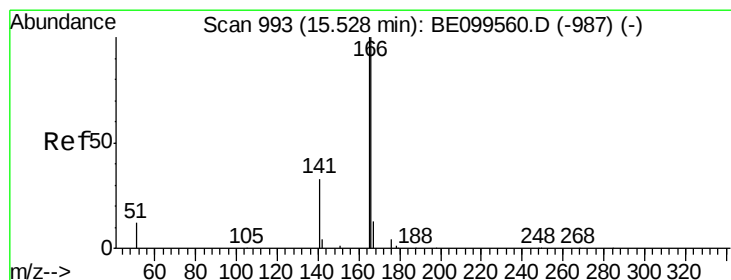
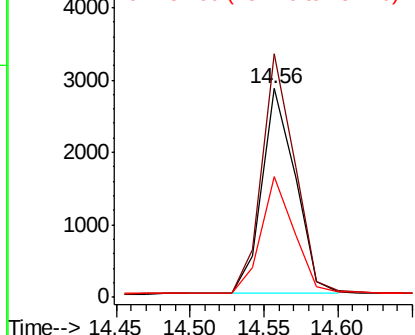
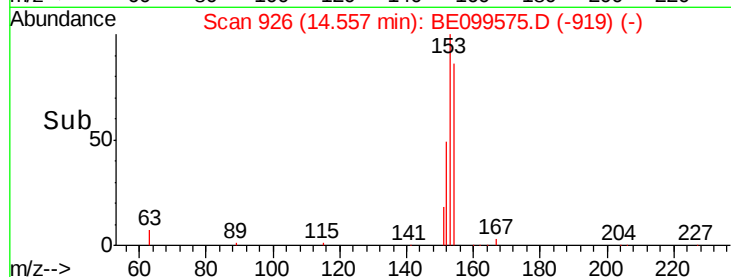
#17
Acenaphthene
Concen: 0.347 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4411
Ion Ratio Lower Upper
154 100
153 115.2 89.7 134.5
152 57.2 43.9 65.9

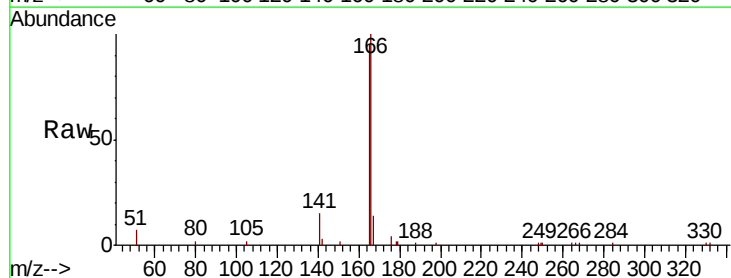


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

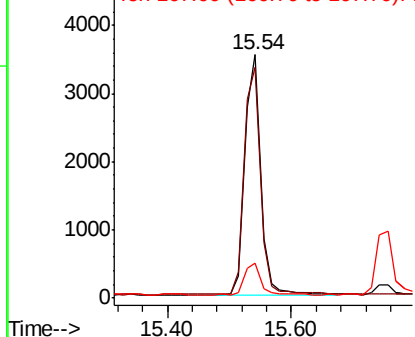
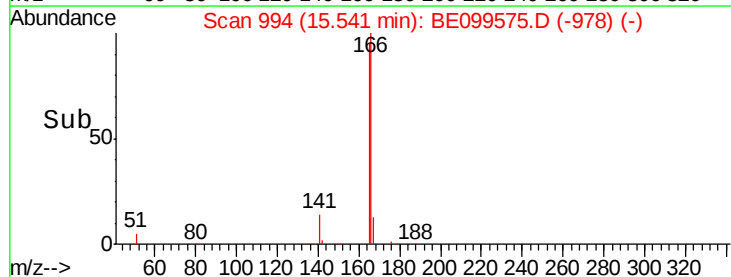


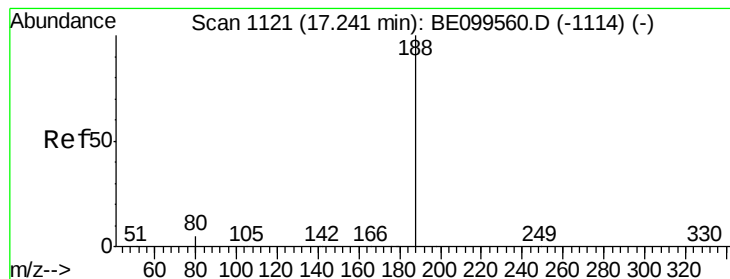
#18
Fluorene
Concen: 0.345 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Tgt Ion:166 Resp: 6266
Ion Ratio Lower Upper
166 100
165 97.7 79.0 118.6
167 13.4 11.5 17.3



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: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampled :

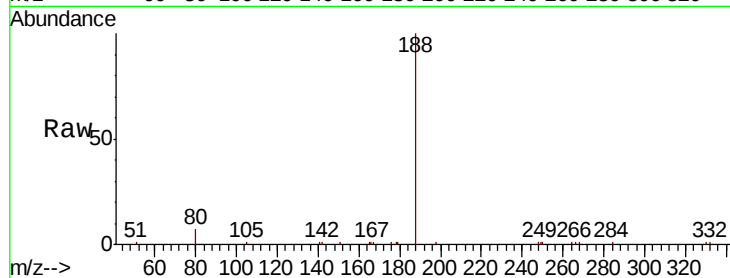
Tot Ion:188 Resp: 13473

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

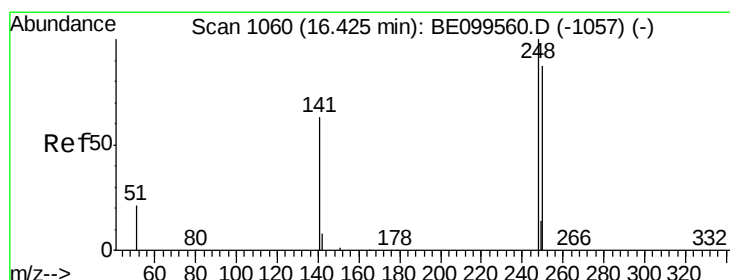
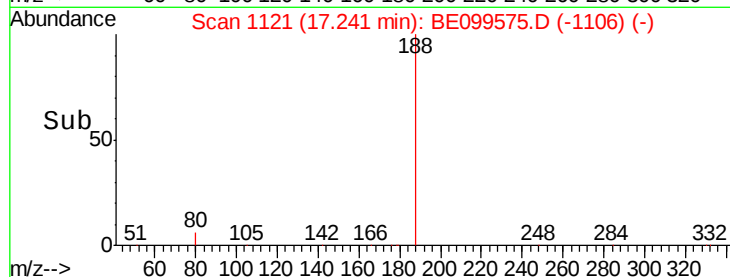
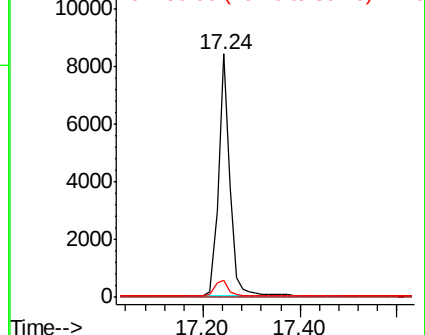
80 6.8 4.6 7.0



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: 0.333 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

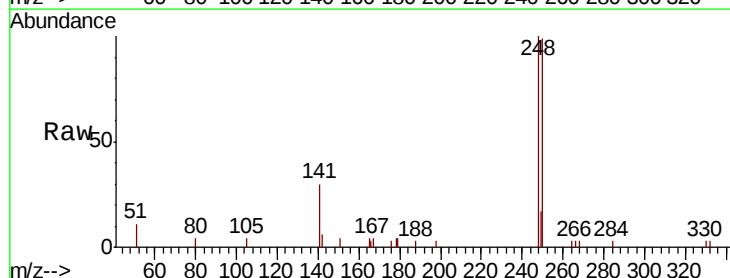
Tgt Ion:248 Resp: 2552

Ion Ratio Lower Upper

248 100

250 99.3 70.0 105.0

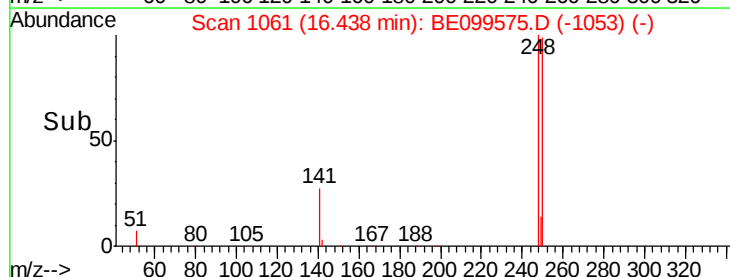
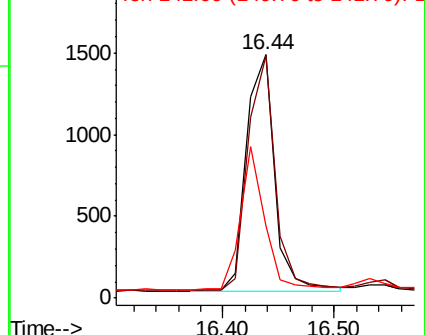
141 29.7 51.8 77.8#

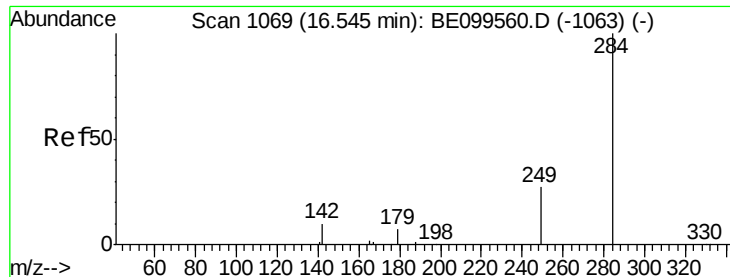


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

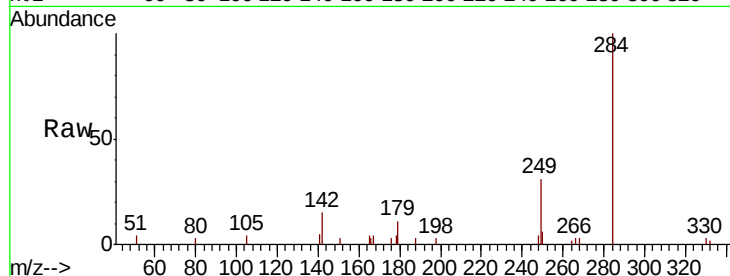




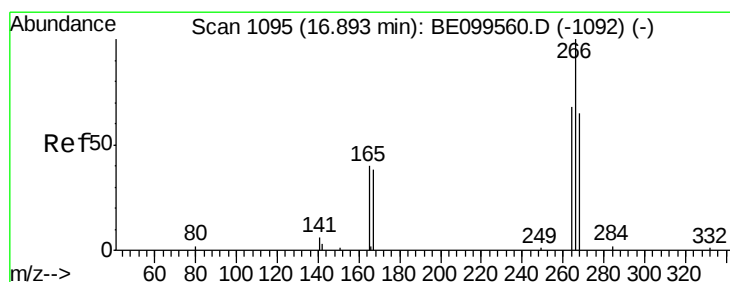
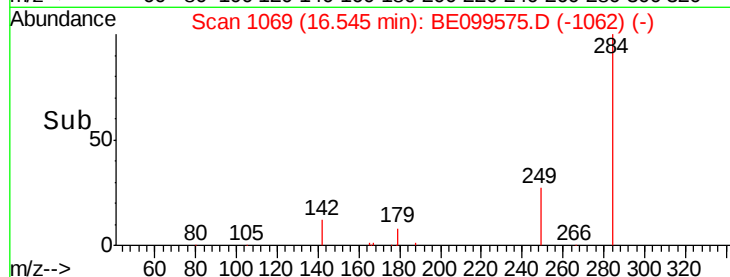
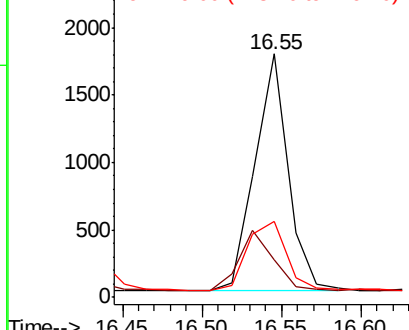
#21
Hexachlorobenzene
Concen: 0.333 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 2538
Ion Ratio Lower Upper
284 100
142 26.2 19.5 29.3
249 33.9 26.2 39.2

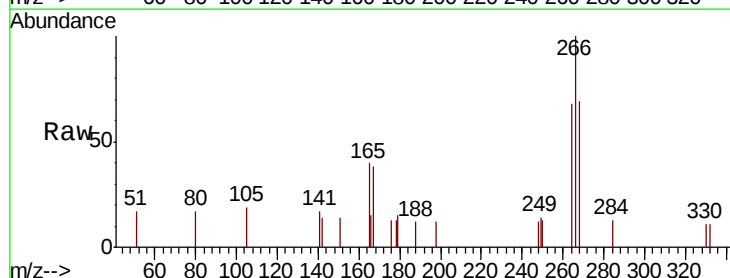


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

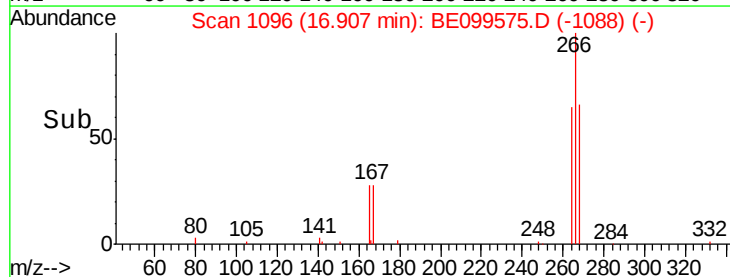
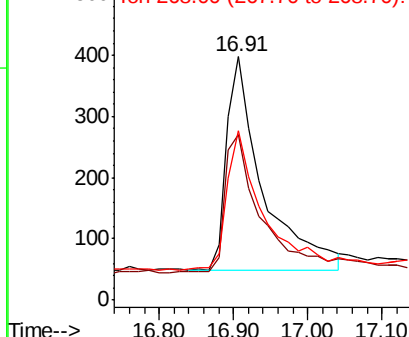


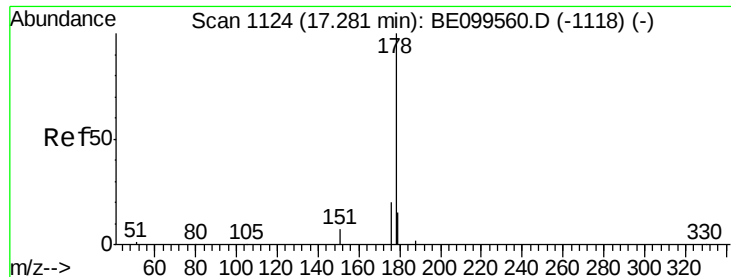
#22
Pentachlorophenol
Concen: 0.375 ng
RT: 16.91 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Tgt Ion:266 Resp: 1175
Ion Ratio Lower Upper
266 100
264 68.1 56.6 84.8
268 69.3 55.8 83.8



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

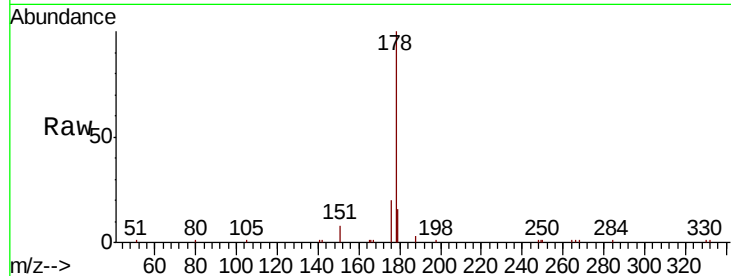




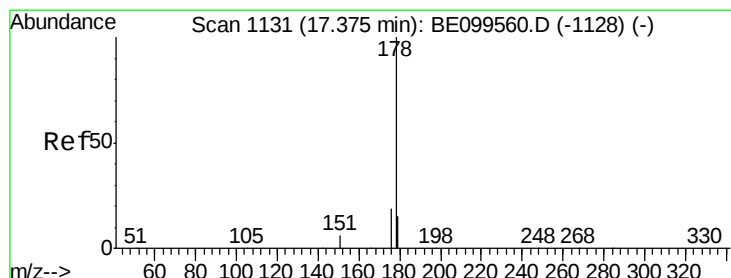
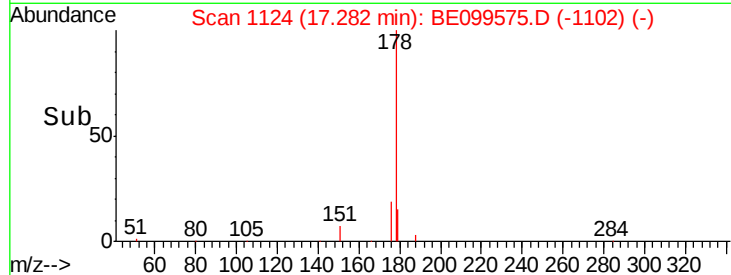
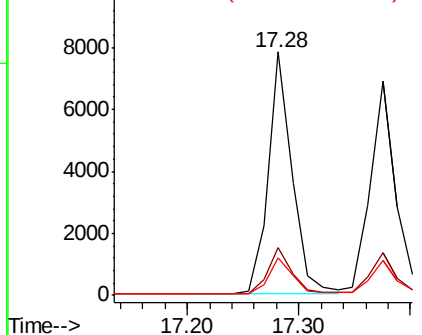
#23
Phenanthrene
Concen: 0.351 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Instrument :
BNA_E
ClientSampled :

Tot Ion:178 Resp: 11664
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.4 12.5 18.7

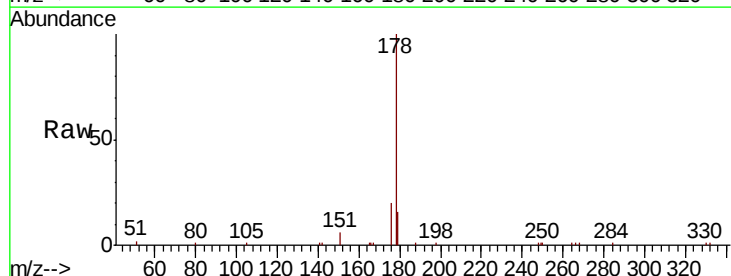


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

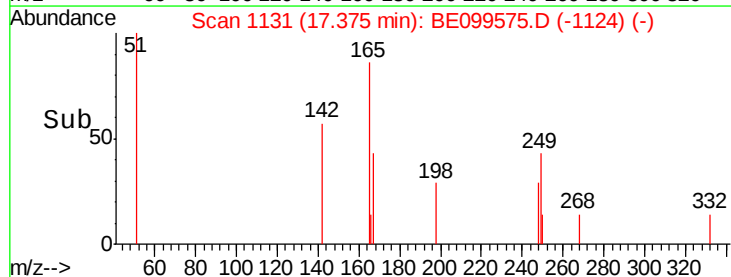
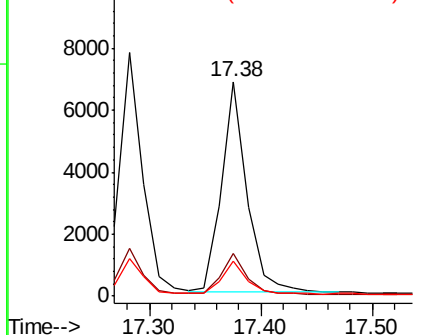


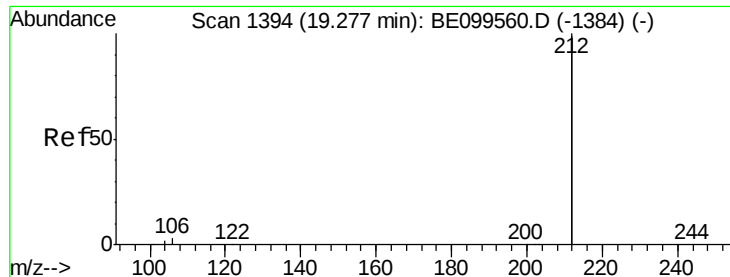
#24
Anthracene
Concen: 0.336 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Tgt Ion:178 Resp: 10724
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.3 12.2 18.4



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: 0.331 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :

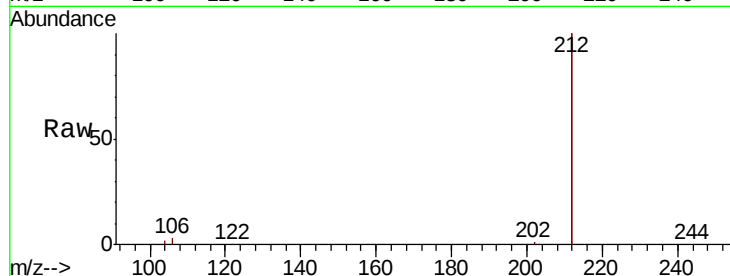
Tot Ion:212 Resp: 60107

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.0

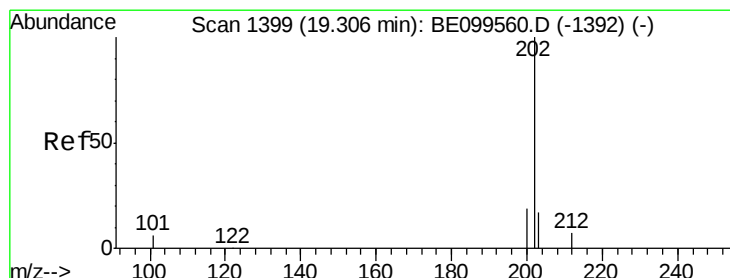
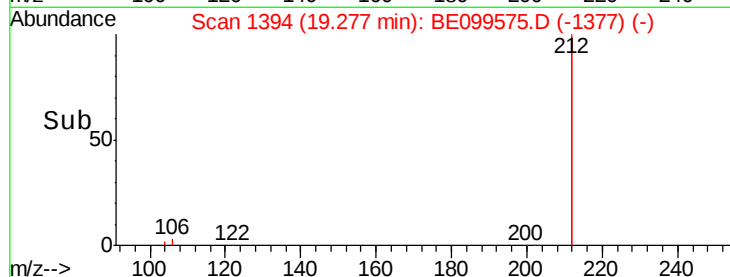
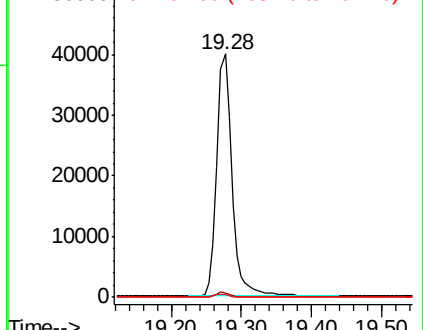
104 1.1 0.8 1.2



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: 0.347 ng

RT: 19.31 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

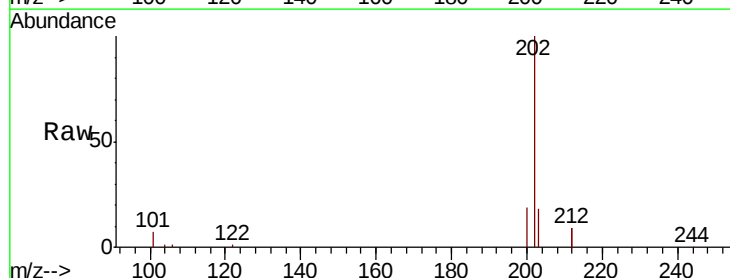
Tgt Ion:202 Resp: 17746

Ion Ratio Lower Upper

202 100

101 6.9 5.3 7.9

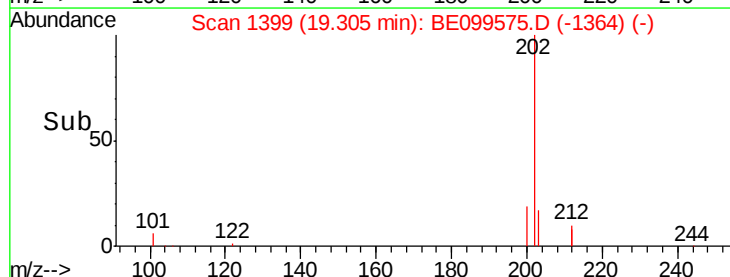
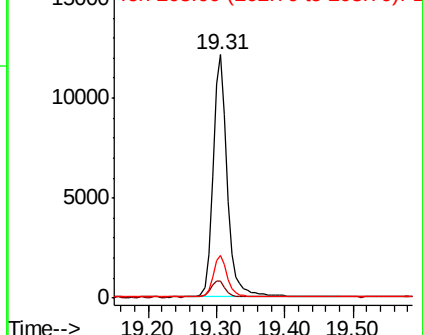
203 16.9 13.4 20.2

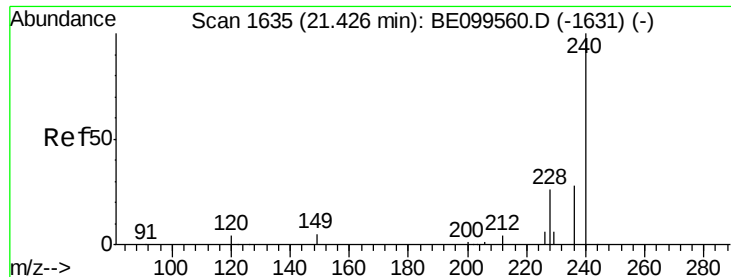


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

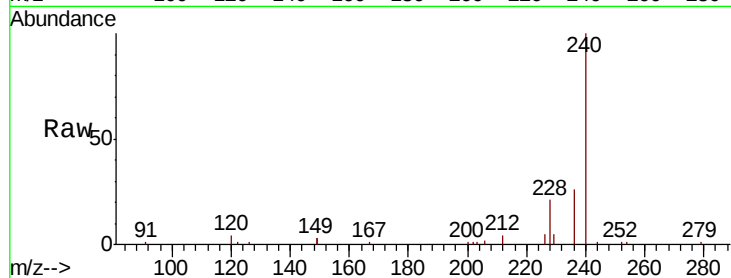




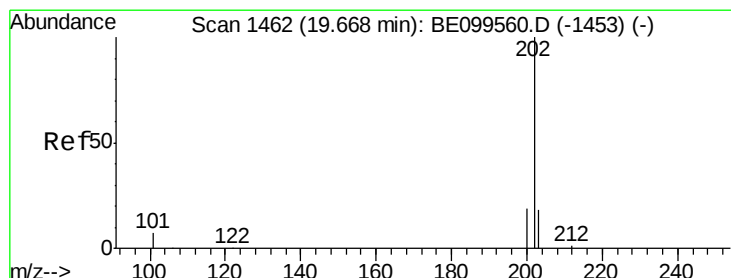
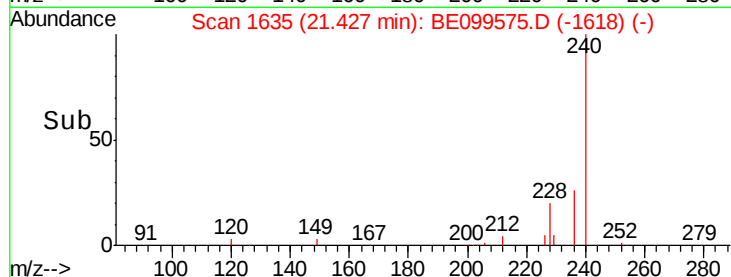
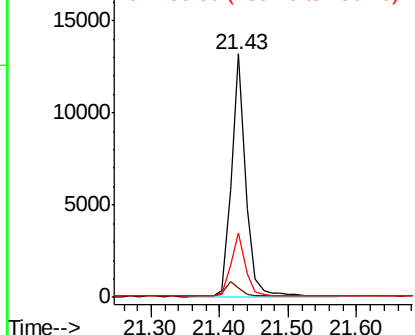
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 18917
Ion Ratio Lower Upper
240 100
120 3.7 3.8 5.6#
236 26.5 22.5 33.7

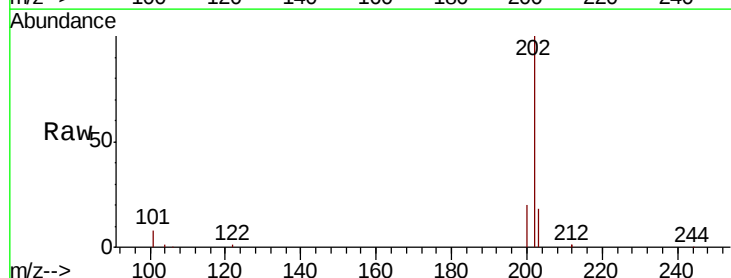


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

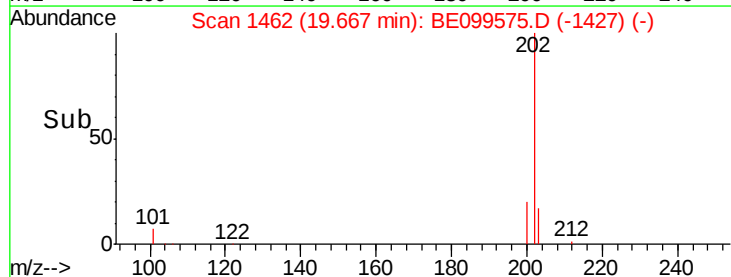
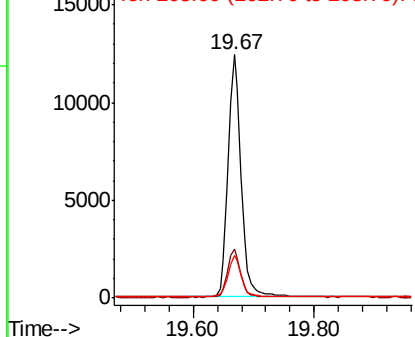


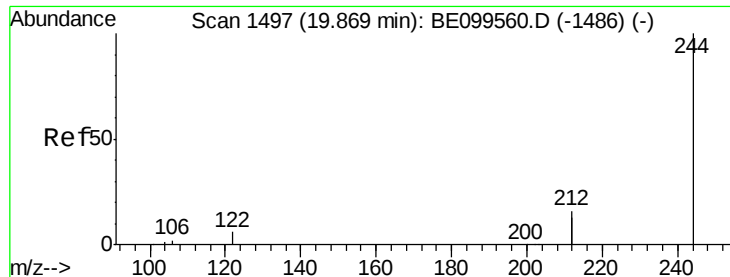
#28
Pyrene
Concen: 0.371 ng
RT: 19.67 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BE099575.D
Acq: 8 May 2019 10:38

Tgt Ion:202 Resp: 18789
Ion Ratio Lower Upper
202 100
200 19.6 15.8 23.6
203 17.6 14.1 21.1



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: 0.366 ng

RT: 19.87 min Scan# 1498

Delta R.T. 0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :

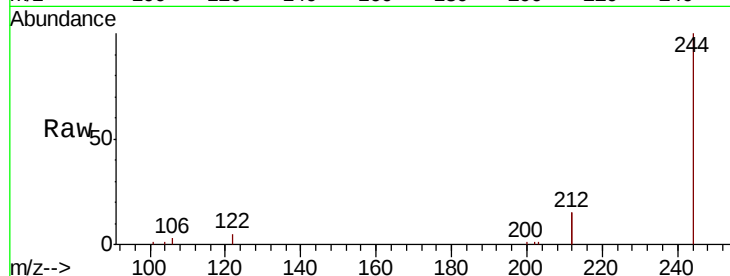
Tot Ion:244 Resp: 12834

Ion Ratio Lower Upper

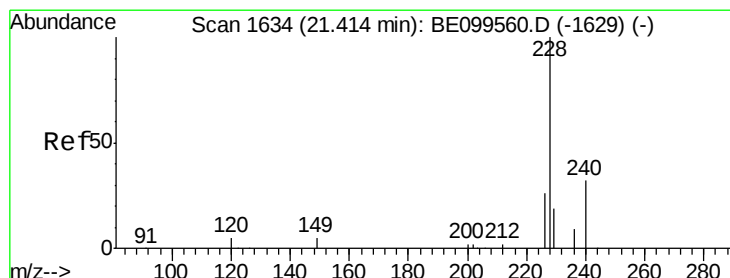
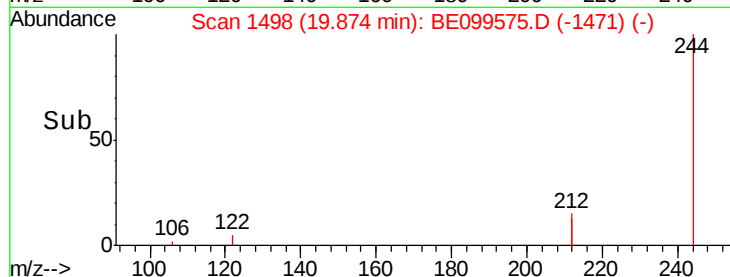
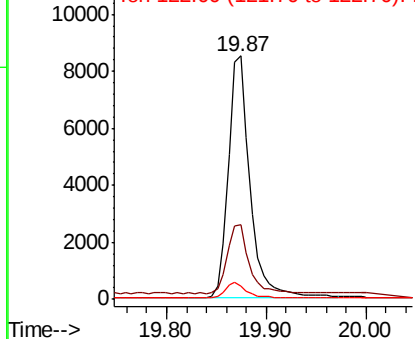
244 100

212 30.4 24.6 37.0

122 5.5 5.0 7.6



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: 0.386 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

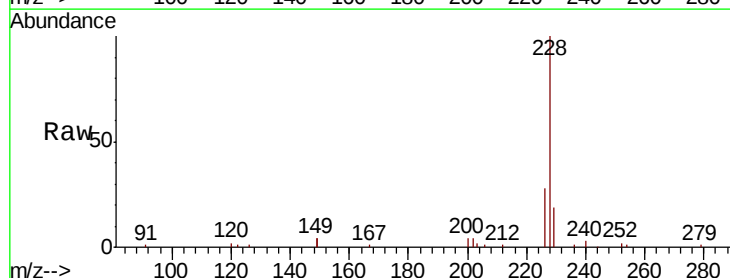
Tgt Ion:228 Resp: 22596

Ion Ratio Lower Upper

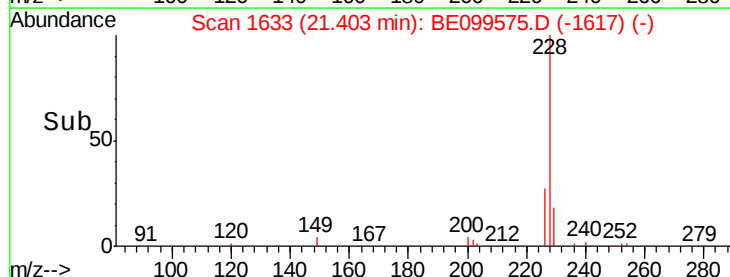
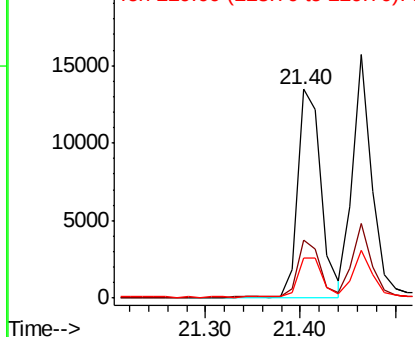
228 100

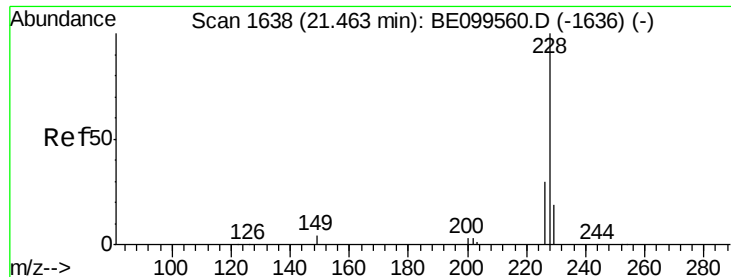
226 27.6 20.9 31.3

229 18.9 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





#31

Chrysene

Concen: 0.376 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

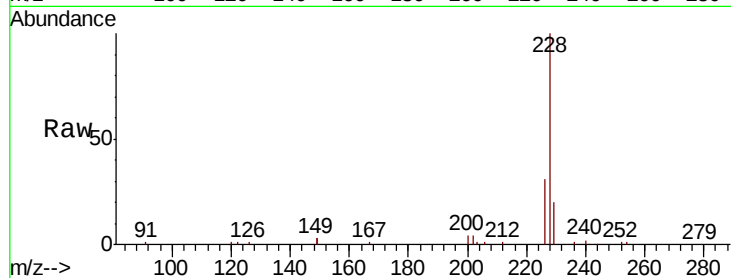
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 21726

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	19.7	15.8	23.6

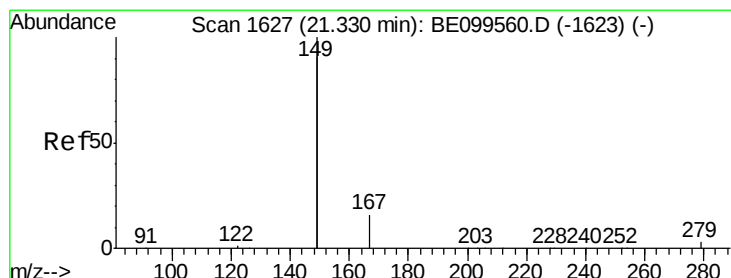
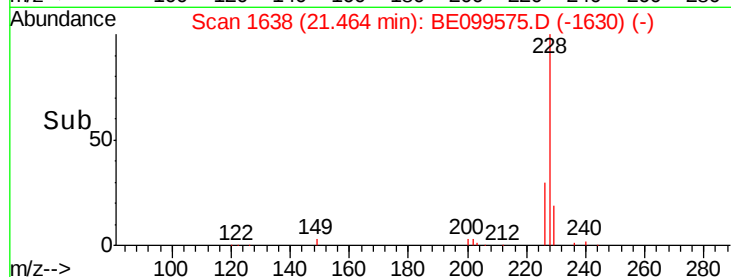
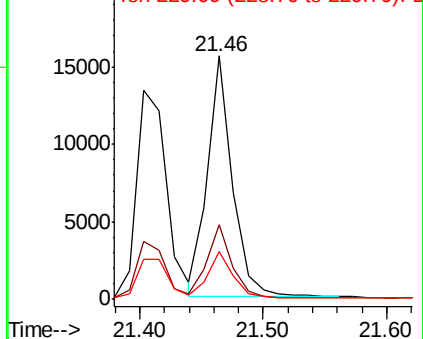


Abundance

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: 0.350 ng

RT: 21.32 min Scan# 1626

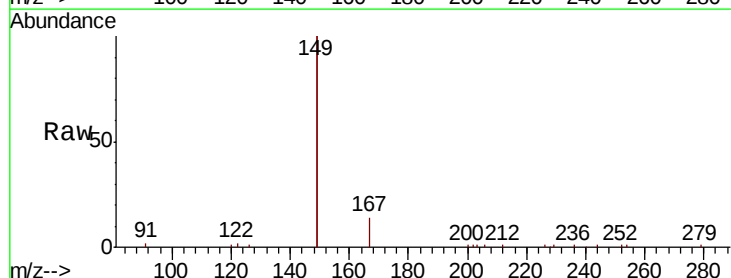
Delta R.T. -0.01 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Tgt Ion:149 Resp: 32504

Ion	Ratio	Lower	Upper
149	100		
167	7.1	6.1	9.1
279	1.4	1.3	1.9

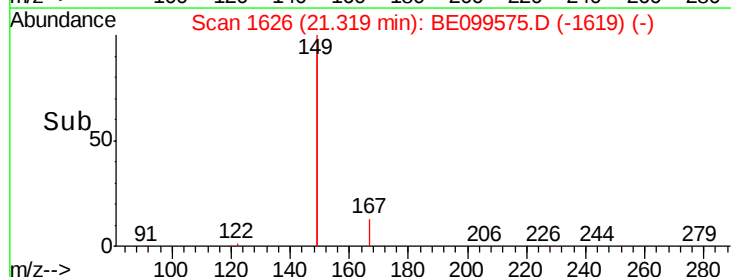
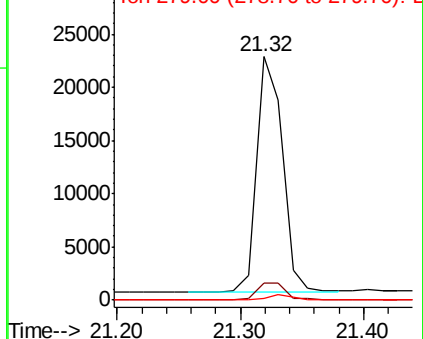


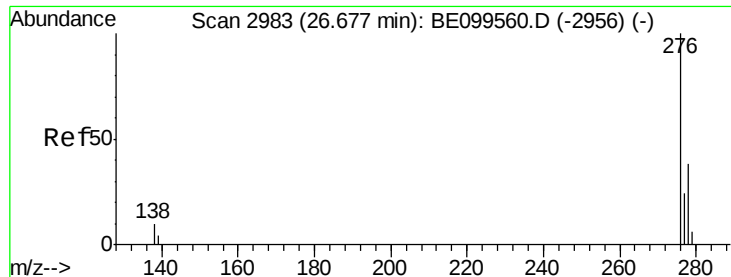
Abundance

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

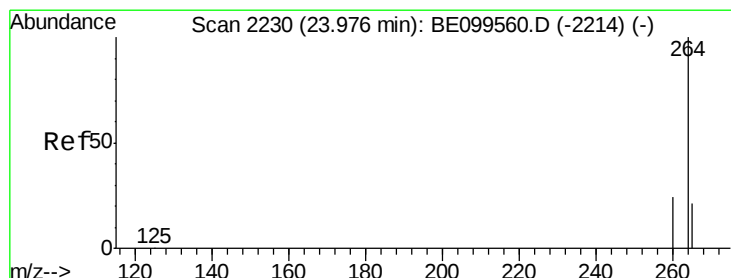
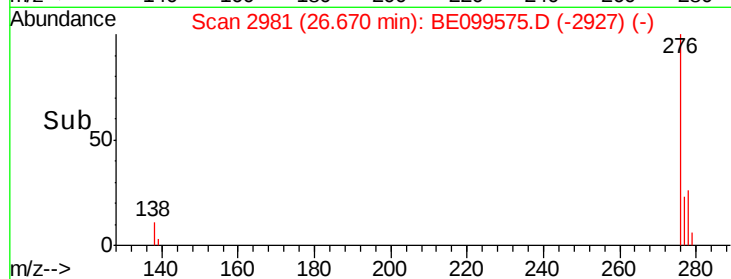
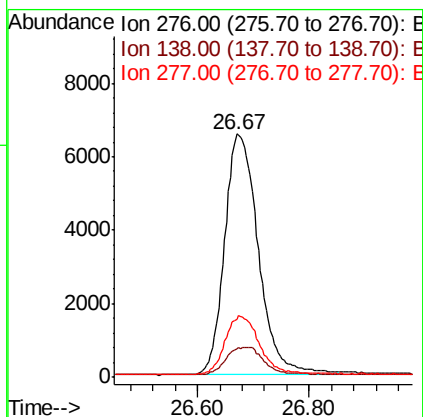
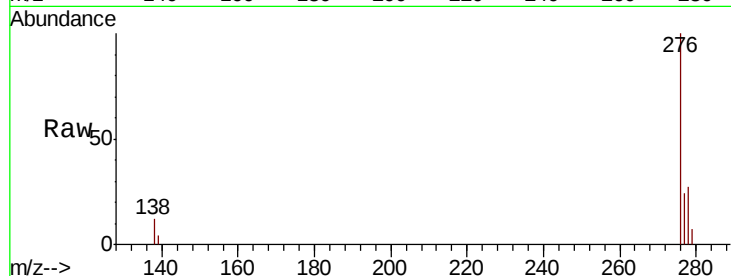




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.403 ng
 RT: 26.67 min Scan# 2981
 Delta R.T. -0.01 min
 Lab File: BE099575.D
 Acq: 8 May 2019 10:38

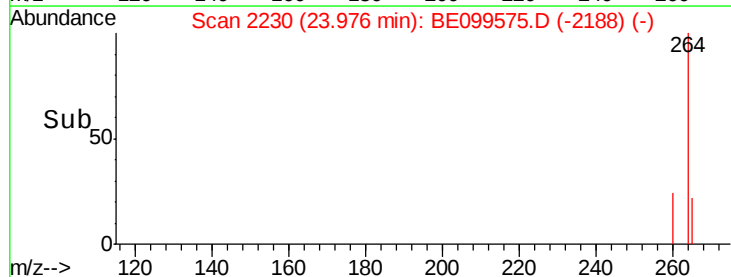
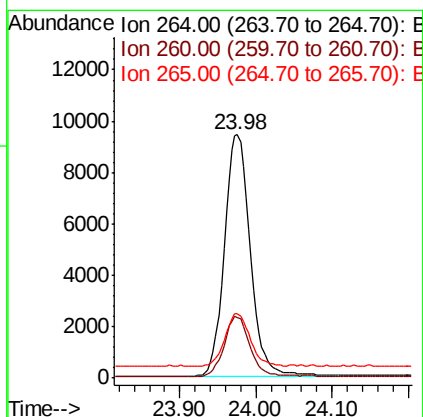
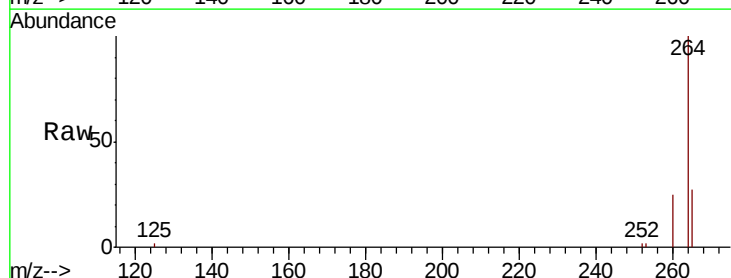
Instrument :
 BNA_E
 ClientSampleId :

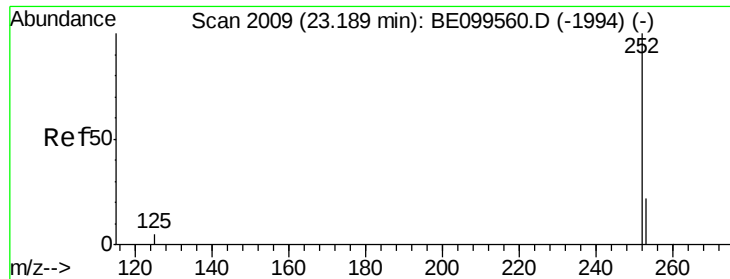
Tot Ion:276 Resp: 27647
 Ion Ratio Lower Upper
 276 100
 138 5.2 9.5 14.3#
 277 24.3 19.7 29.5



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.98 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BE099575.D
 Acq: 8 May 2019 10:38

Tgt Ion:264 Resp: 22251
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.9 29.9
 265 26.6 22.2 33.2





#35

Benzo(b)fluoranthene

Concen: 0.361 ng

RT: 23.19 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :

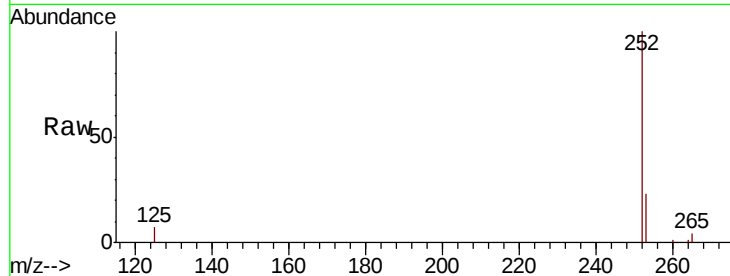
Tot Ion:252 Resp: 22154

Ion Ratio Lower Upper

252 100

253 22.7 19.0 28.4

125 7.3 5.8 8.6

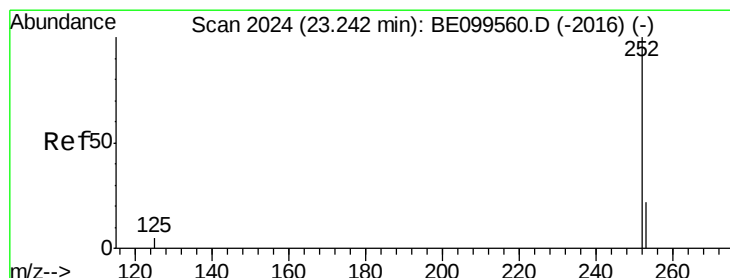
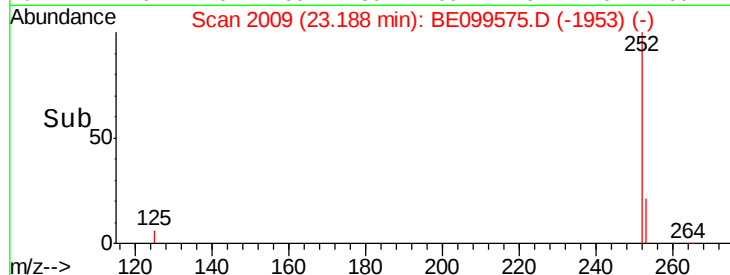
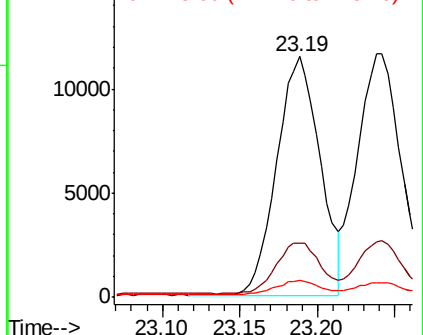


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.390 ng

RT: 23.24 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

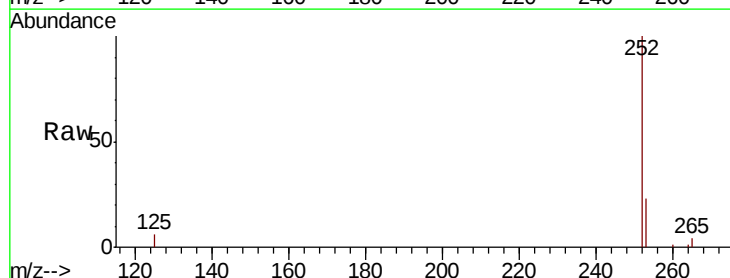
Tgt Ion:252 Resp: 23584

Ion Ratio Lower Upper

252 100

253 23.2 19.1 28.7

125 5.9 5.8 8.6

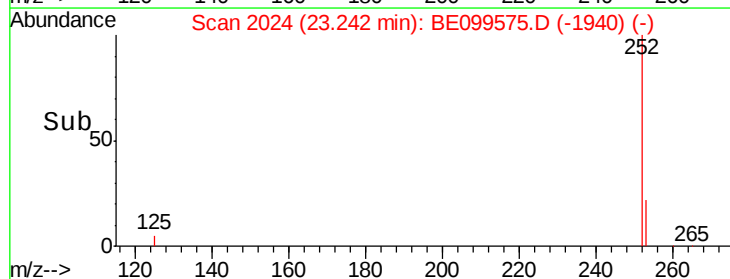
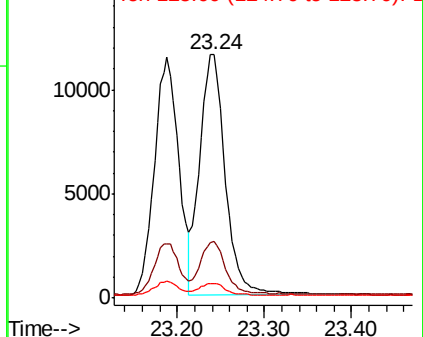


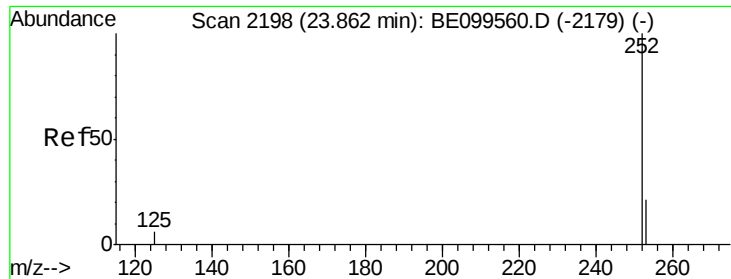
Abundance

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: 0.371 ng

RT: 23.86 min Scan# 2197

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :

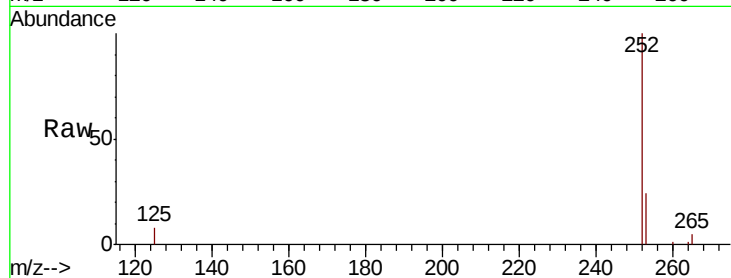
Tot Ion:252 Resp: 21956

Ion Ratio Lower Upper

252 100

253 23.9 18.9 28.3

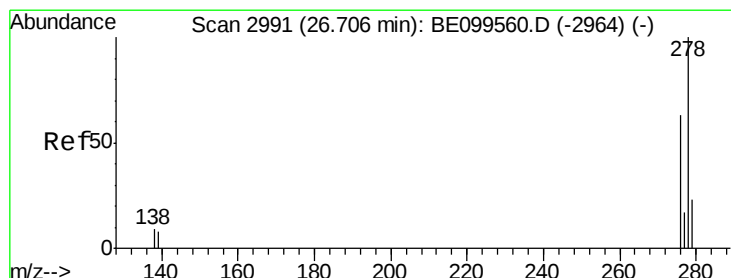
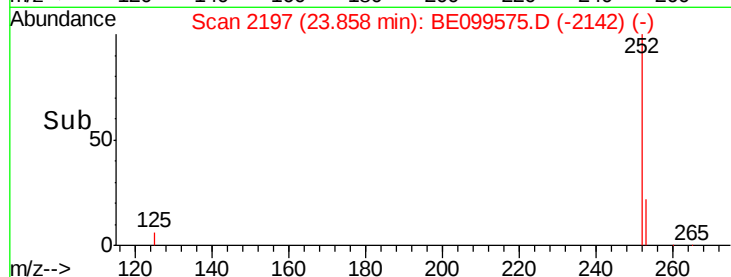
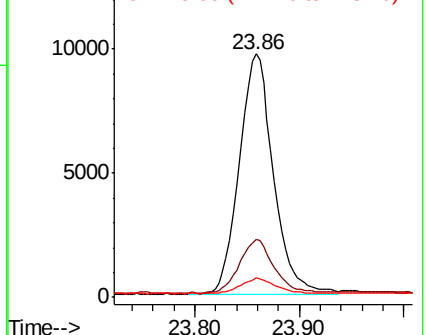
125 7.9 6.6 9.8



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: 0.372 ng

RT: 26.71 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE099575.D

Acq: 8 May 2019 10:38

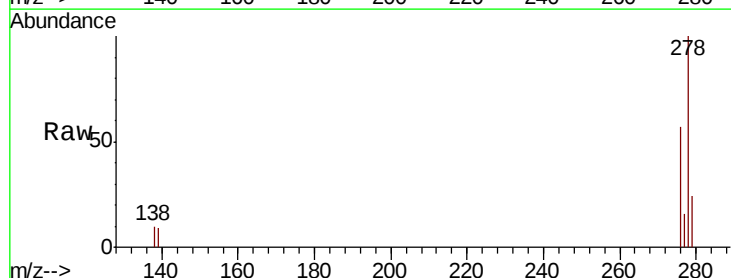
Tgt Ion:278 Resp: 22785

Ion Ratio Lower Upper

278 100

139 9.4 7.7 11.5

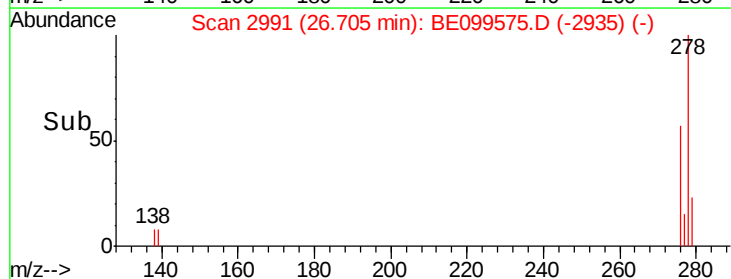
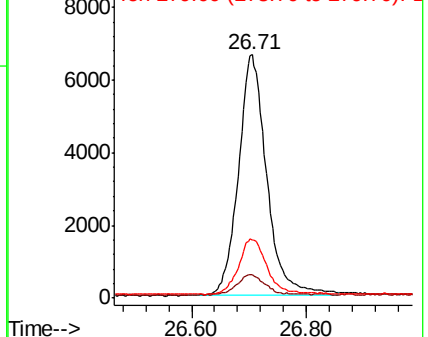
279 24.0 21.0 31.4

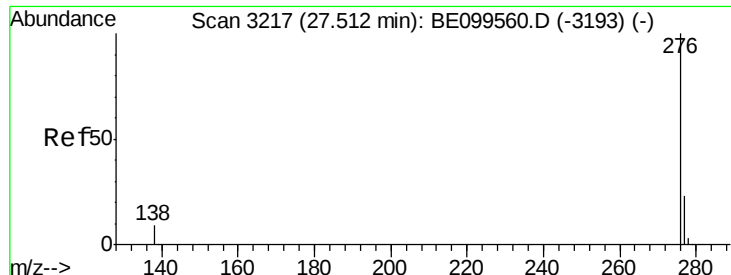


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.382 ng

RT: 27.50 min Scan# 3215

Delta R.T. -0.01 min

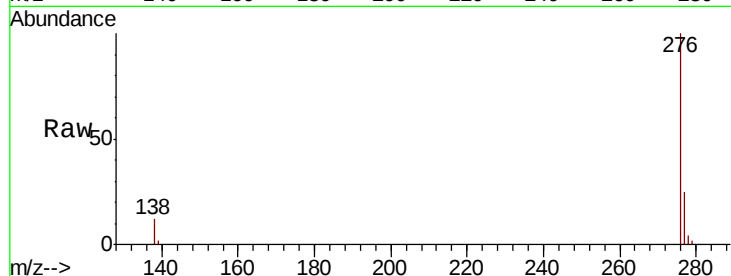
Lab File: BE099575.D

Acq: 8 May 2019 10:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 23399

Ion Ratio Lower Upper

276 100

277 24.8 19.7 29.5

138 11.6 8.6 12.8

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

