

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050819\
 Data File : BE099576.D
 Acq On : 8 May 2019 11:17
 Operator : JU/SJ
 Sample : PB119274BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 08 17:06:13 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	7.82	152	1919	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	6664	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4214	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11880	0.40	ng	0.00
27) Chrysene-d12	21.43	240	17089	0.40	ng	0.00
34) Perylene-d12	23.97	264	21083	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1806	0.34	ng	0.00
5) Phenol-d6	6.99	99	2413	0.34	ng	0.00
8) Nitrobenzene-d5	8.98	82	2095	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5042	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	713	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	5603	0.35	ng	0.00
25) Fluoranthene-d10	19.27	212	53159	0.33	ng	0.00
29) Terphenyl-d14	19.87	244	11414	0.36	ng	0.00

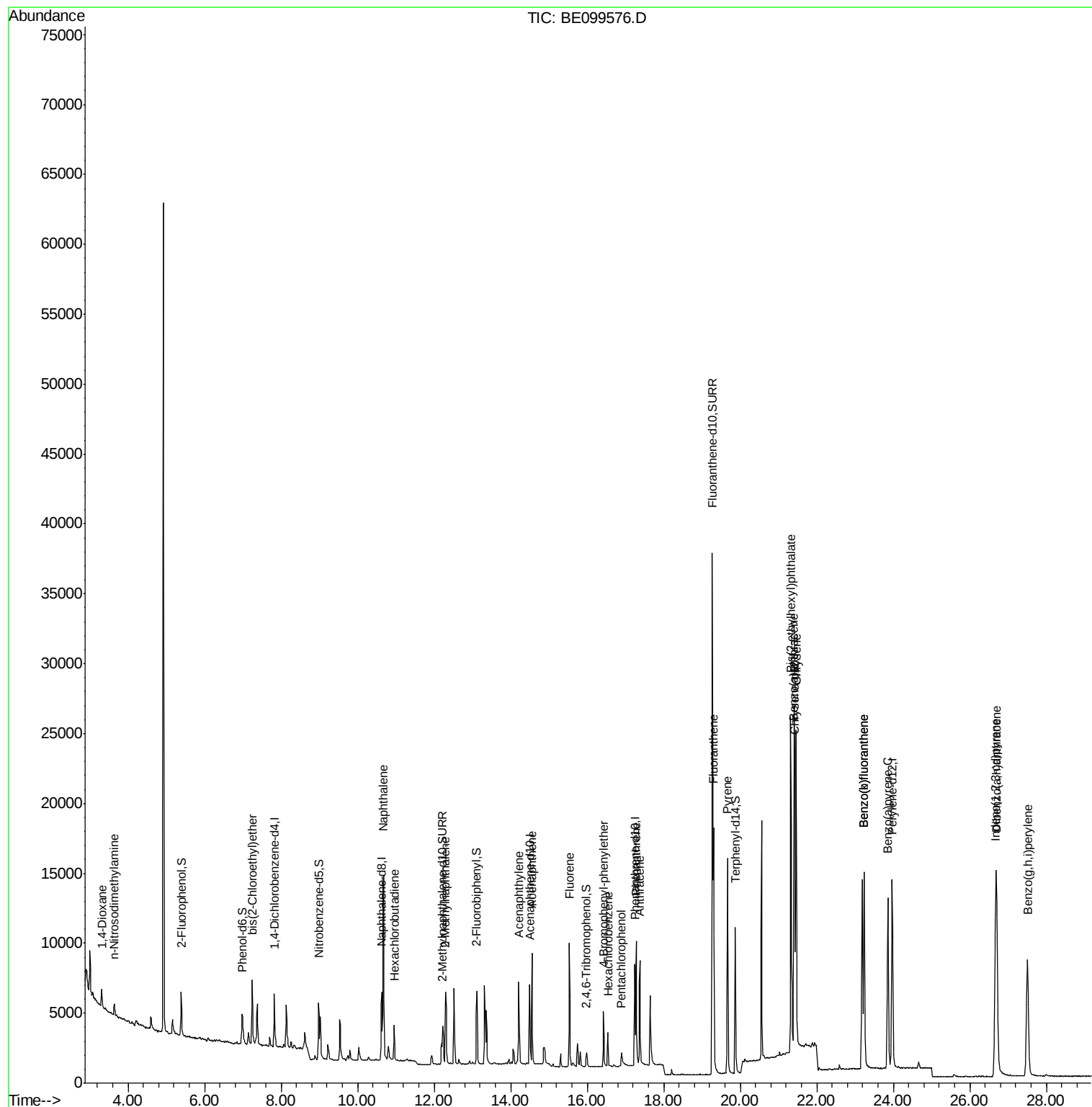
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	953	0.352	ng	# 52
3) n-Nitrosodimethylamine	3.64	42	607	0.338	ng	# 83
6) bis(2-Chloroethyl)ether	7.24	93	1982	0.340	ng	97
9) Naphthalene	10.68	128	25083	0.355	ng	100
10) Hexachlorobutadiene	10.95	225	1718	0.335	ng	99
12) 2-Methylnaphthalene	12.29	142	4103	0.343	ng	89
16) Acenaphthylene	14.21	152	6828	0.336	ng	98
17) Acenaphthene	14.56	154	4027	0.354	ng	97
18) Fluorene	15.53	166	5552	0.342	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2163	0.320	ng	91
21) Hexachlorobenzene	16.55	284	2306	0.343	ng	100
22) Pentachlorophenol	16.89	266	1094	0.396	ng	93
23) Phenanthrene	17.28	178	10129	0.346	ng	100
24) Anthracene	17.38	178	9463	0.336	ng	99
26) Fluoranthene	19.30	202	15648	0.347	ng	99
28) Pyrene	19.67	202	16511	0.361	ng	100
30) Benzo(a)anthracene	21.40	228	20726	0.391	ng	97
31) Chrysene	21.46	228	20203	0.387	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	29266	0.349	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	26551	0.428	ng	99
35) Benzo(b)fluoranthene	23.23	252	22073	0.380	ng	99
36) Benzo(k)fluoranthene	23.23	252	22073	0.386	ng	99
37) Benzo(a)pyrene	23.85	252	21283	0.380	ng	99
38) Dibenzo(a,h)anthracene	26.70	278	22300	0.384	ng	98
39) Benzo(g,h,i)perylene	27.51	276	22658	0.390	ng	98

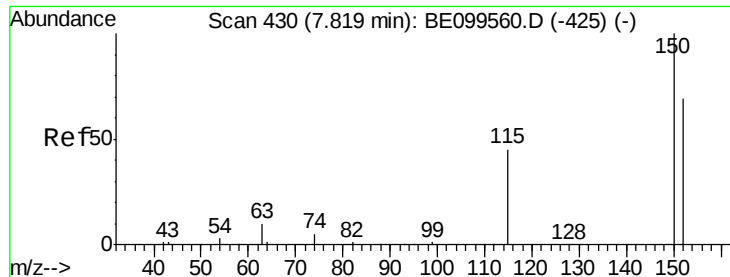
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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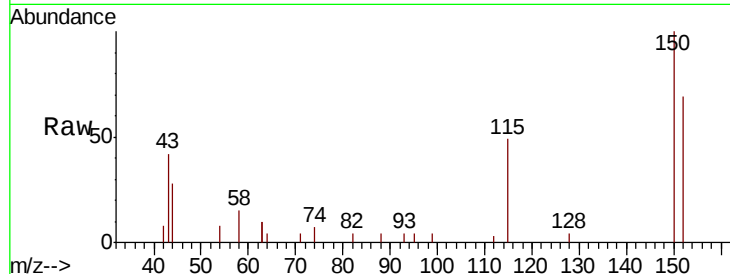


#1

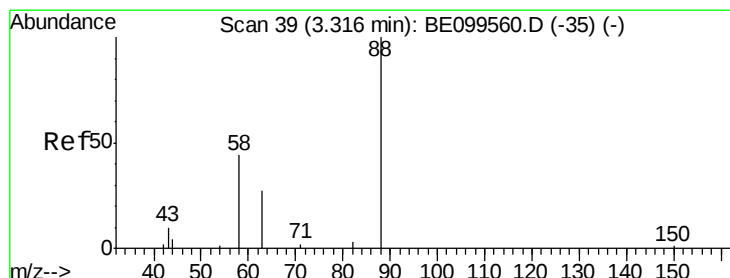
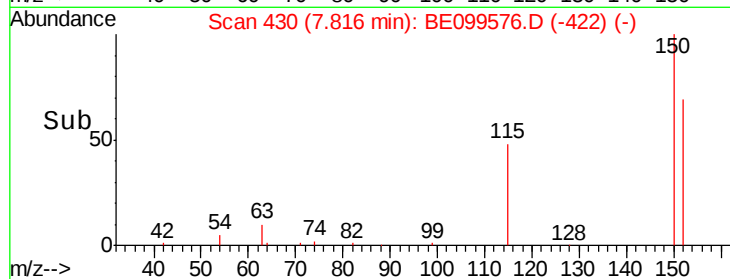
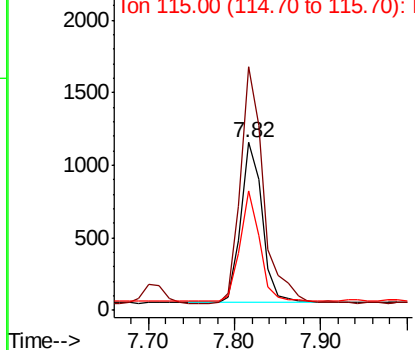
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1919
Ion Ratio Lower Upper
152 100
150 145.2 113.8 170.6
115 71.5 54.2 81.2



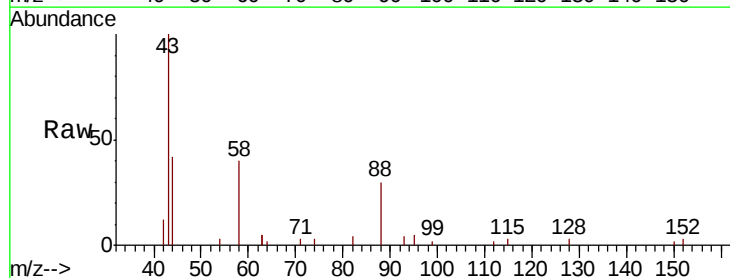
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



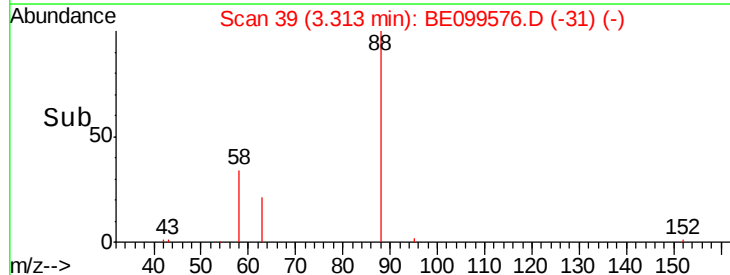
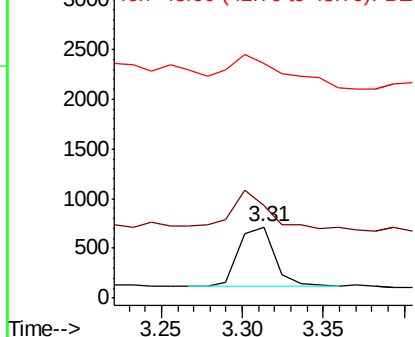
#2

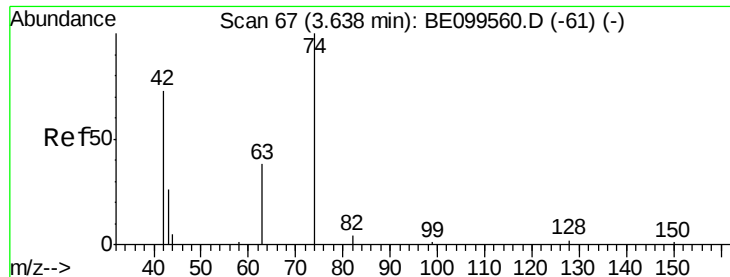
1,4-Dioxane
Concen: 0.352 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion: 88 Resp: 953
Ion Ratio Lower Upper
88 100
58 69.9 46.6 69.8#
43 87.2 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: 0.338 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampled :

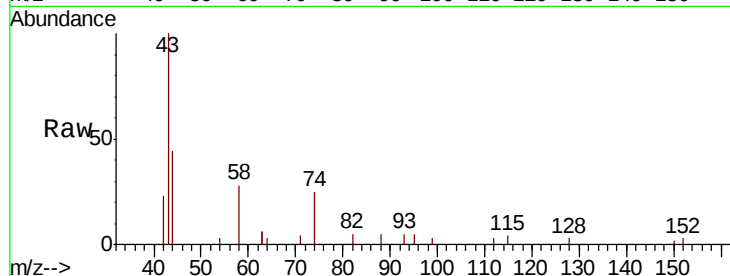
Tot Ion: 42 Resp: 607

Ion Ratio Lower Upper

42 100

74 173.3 121.3 181.9

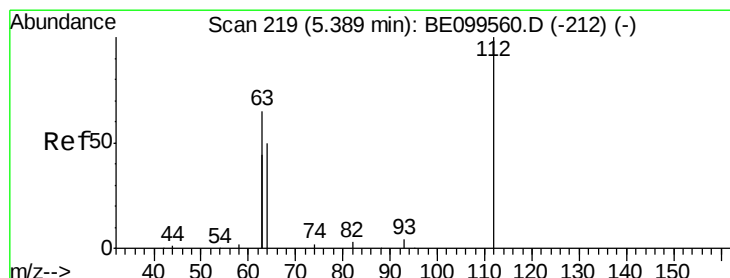
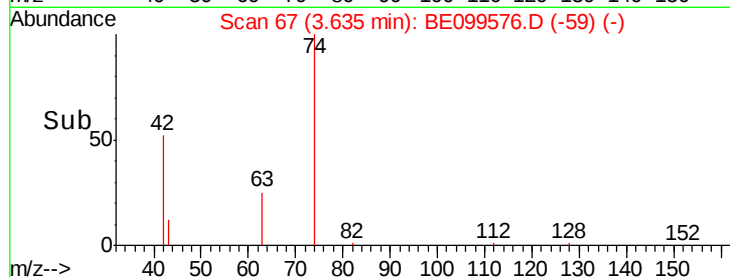
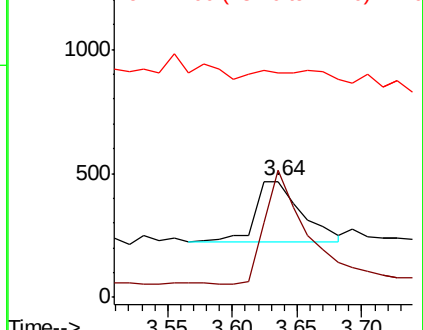
44 1.5 0.0 0.0#



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: 0.340 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

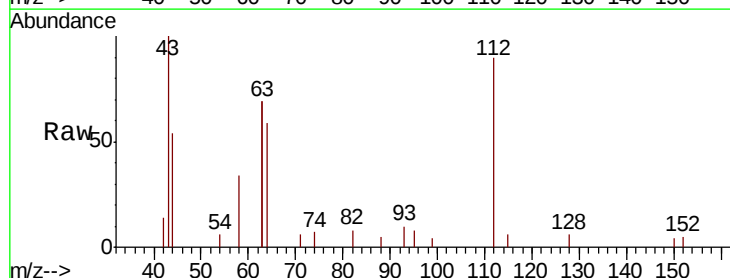
Tgt Ion: 112 Resp: 1806

Ion Ratio Lower Upper

112 100

64 58.8 46.3 69.5

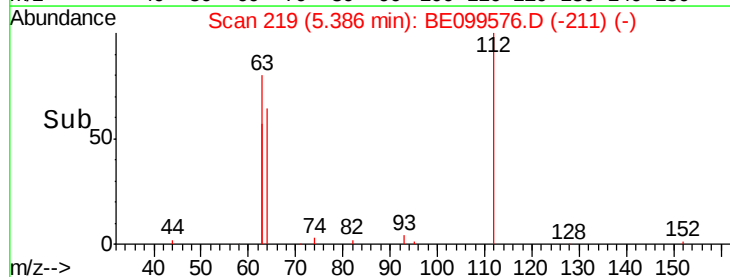
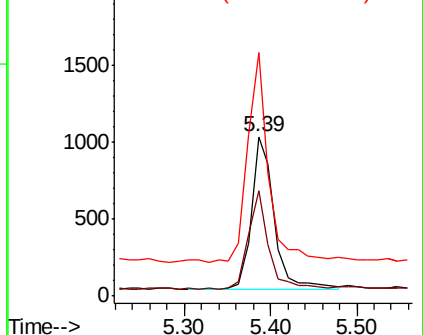
63 129.8 99.6 149.4

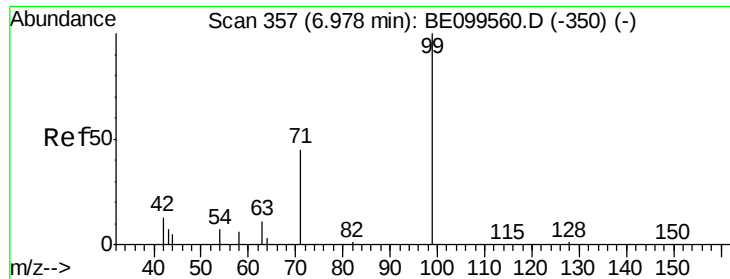


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.345 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

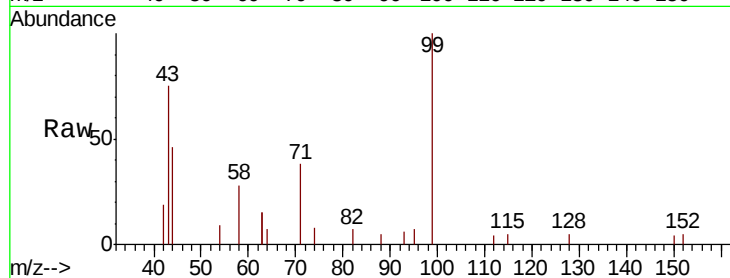
Tot Ion: 99 Resp: 2413

Ion Ratio Lower Upper

99 100

42 16.2 13.4 20.0

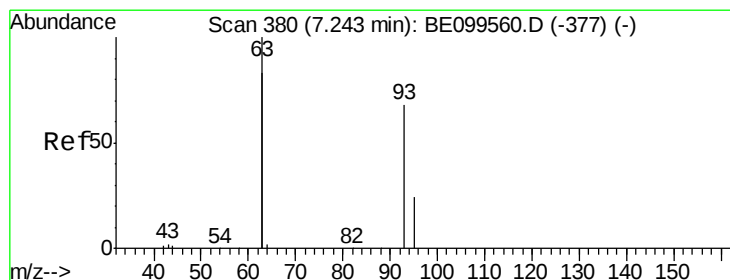
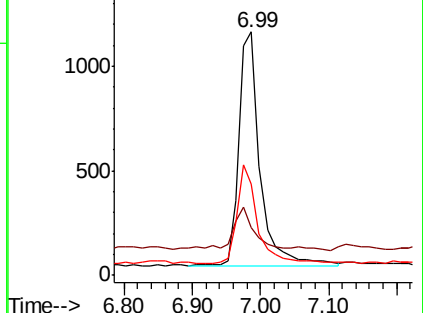
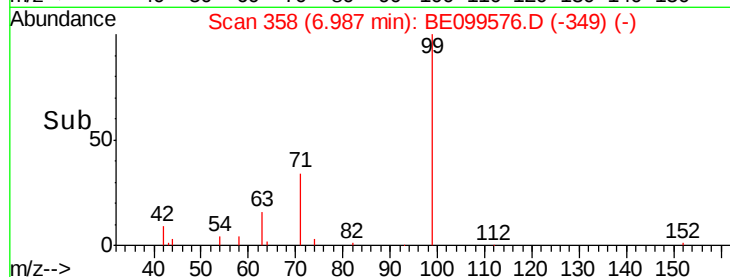
71 41.5 34.2 51.2



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: 0.340 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

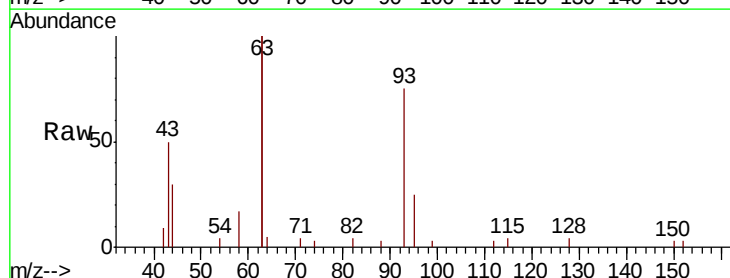
Tgt Ion: 93 Resp: 1982

Ion Ratio Lower Upper

93 100

63 265.5 209.0 313.4

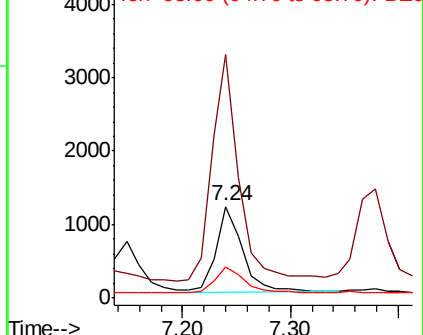
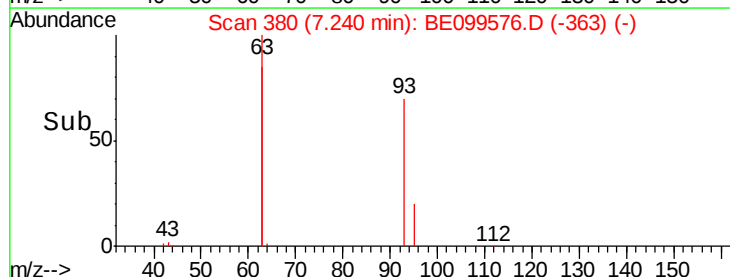
95 35.6 26.9 40.3

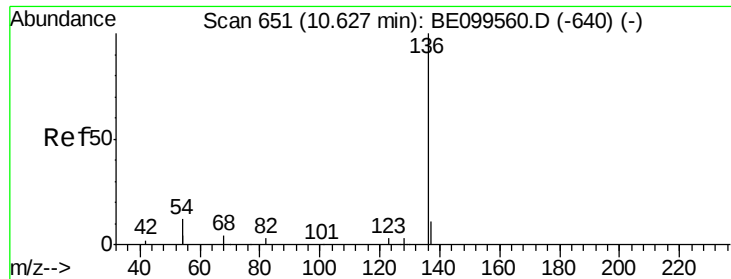


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6664

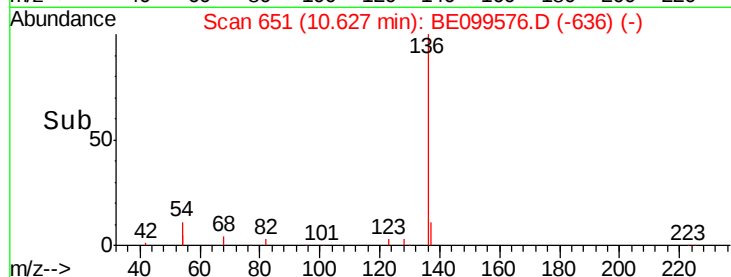
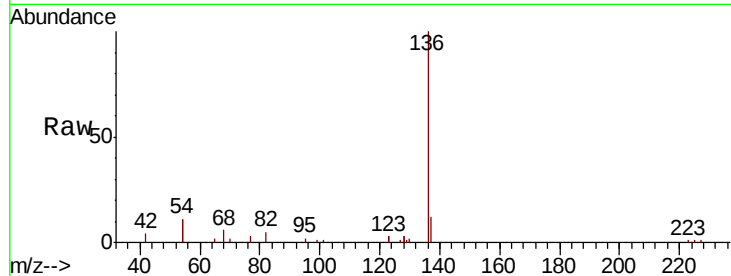
Ion Ratio Lower Upper

136 100

137 12.0 10.0 15.0

54 21.3 18.6 28.0

68 5.6 4.6 6.8

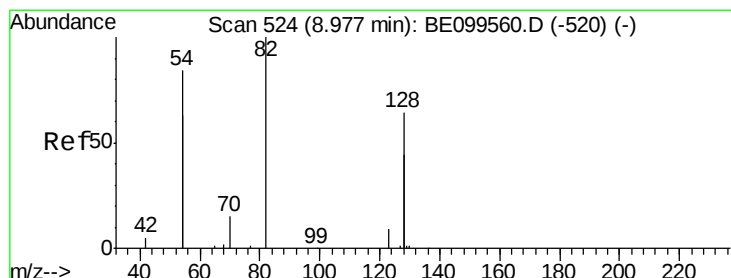
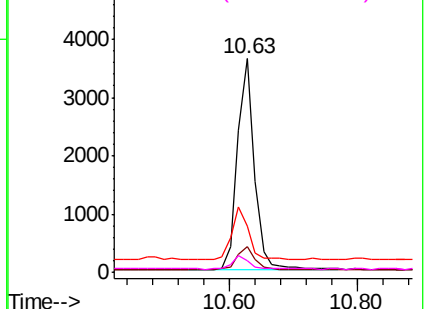


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.326 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

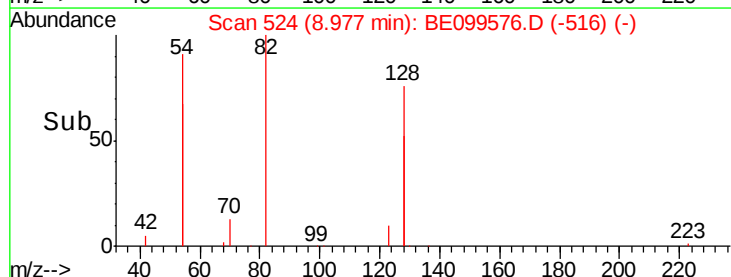
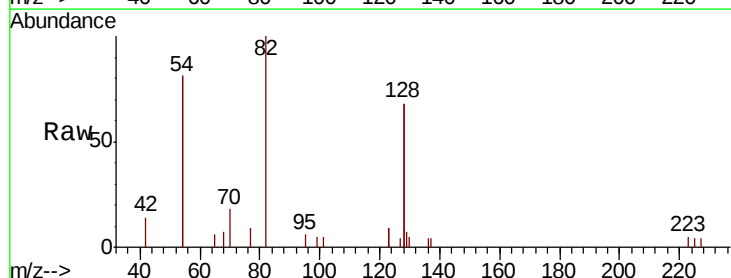
Tgt Ion: 82 Resp: 2095

Ion Ratio Lower Upper

82 100

128 135.4 97.6 146.4

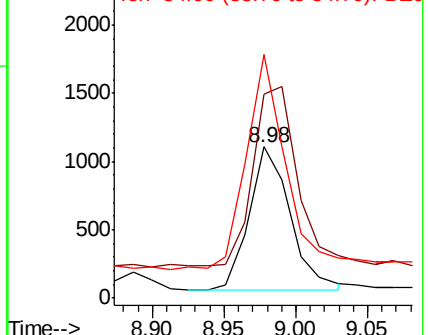
54 161.3 127.4 191.2

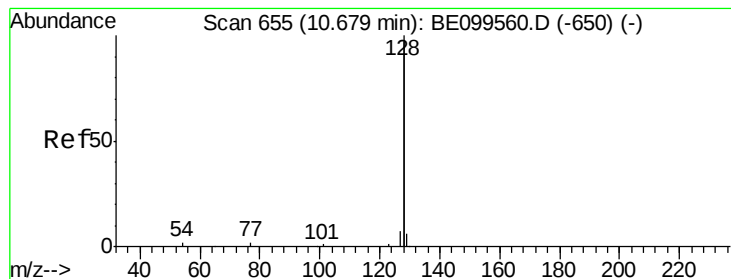


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.355 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

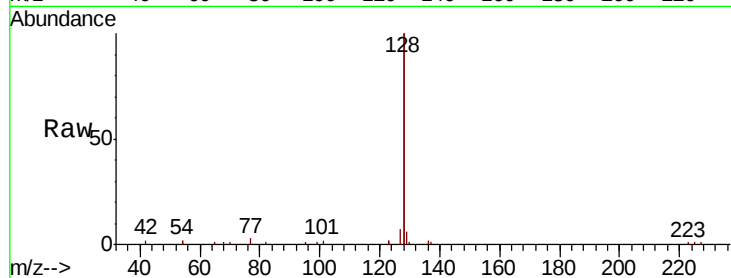
Tot Ion:128 Resp: 25083

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

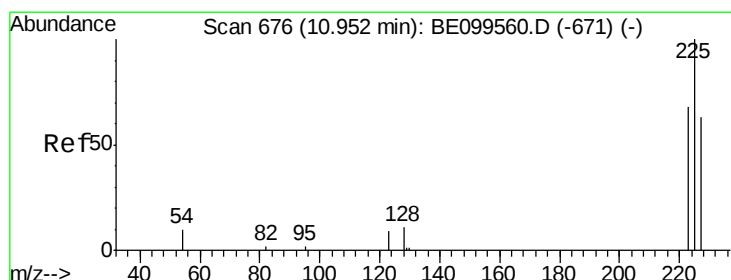
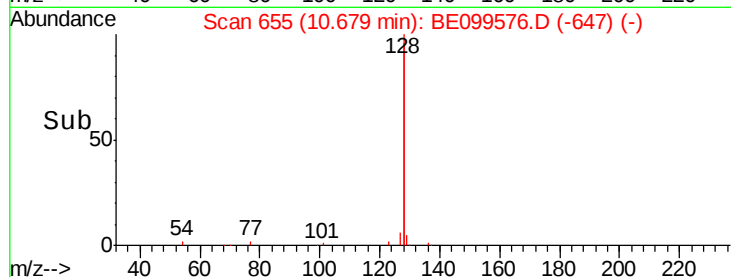
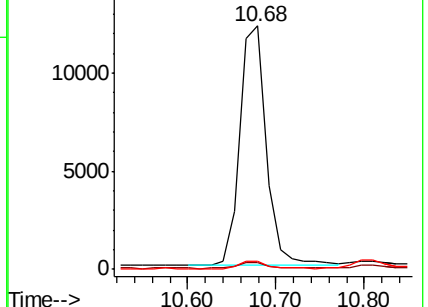
127 3.5 3.0 4.4



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: 0.335 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

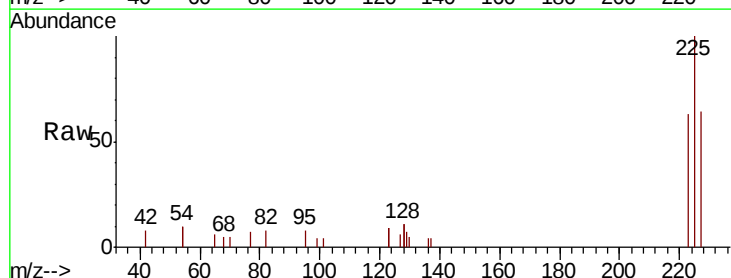
Tgt Ion:225 Resp: 1718

Ion Ratio Lower Upper

225 100

223 64.8 53.0 79.6

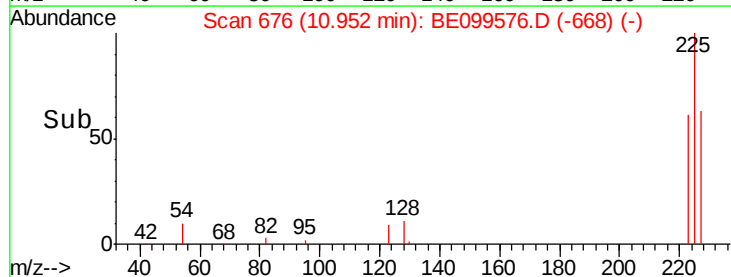
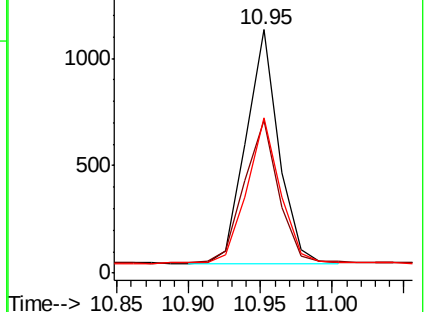
227 63.4 51.4 77.0

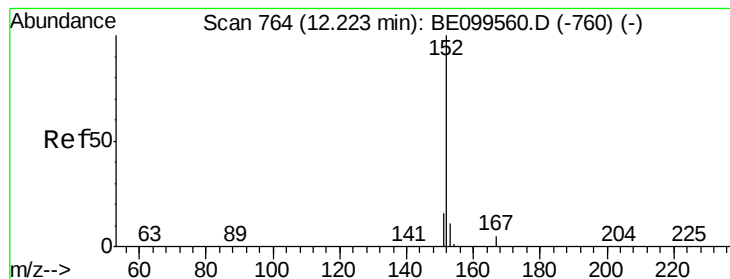


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.434 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

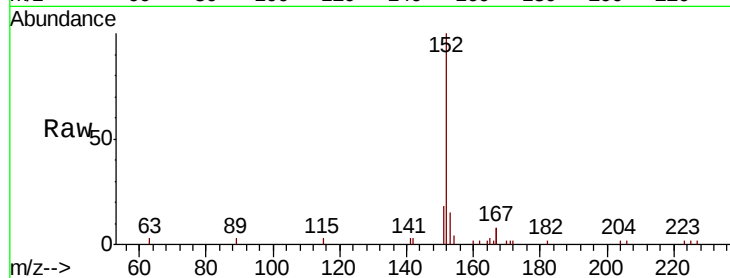
ClientSampleId :

Tot Ion:152 Resp: 5042

Ion Ratio Lower Upper

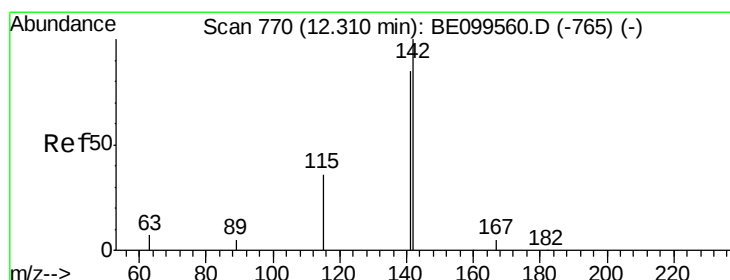
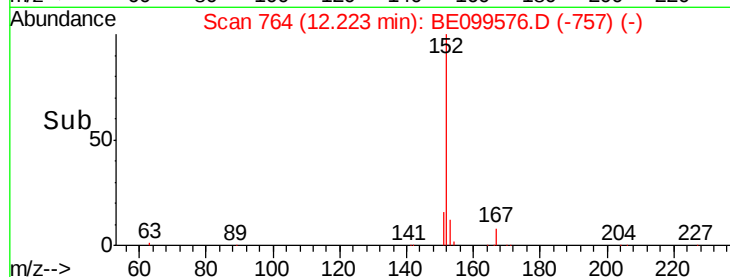
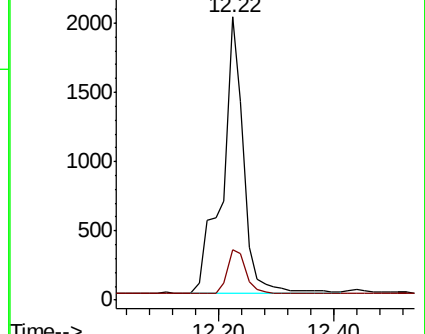
152 100

151 14.5 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: 0.343 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.01 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

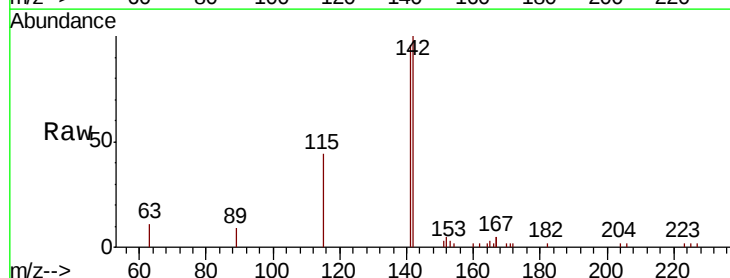
Tgt Ion:142 Resp: 4103

Ion Ratio Lower Upper

142 100

141 96.0 68.1 102.1

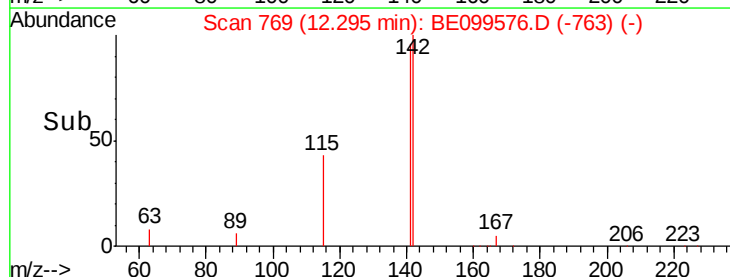
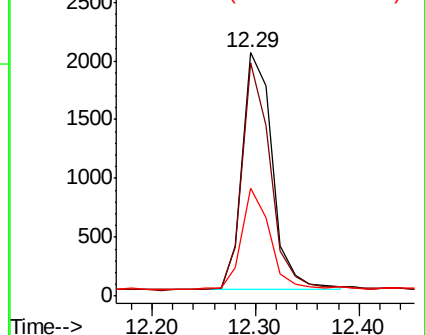
115 44.3 30.8 46.2

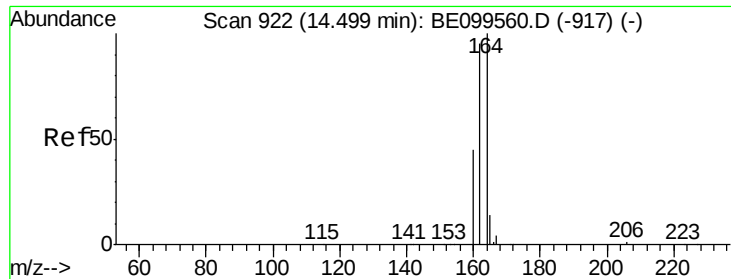


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

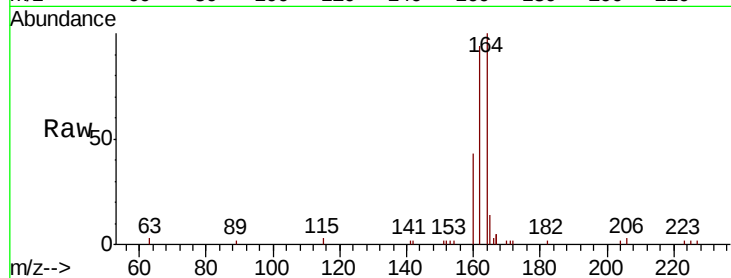




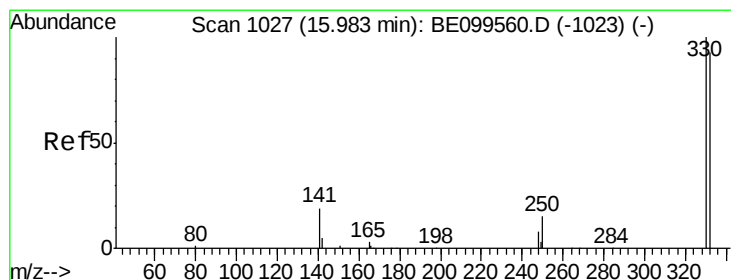
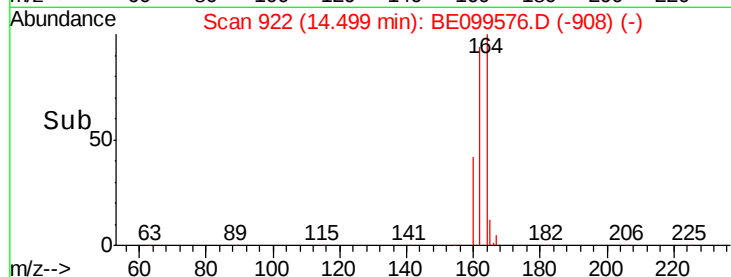
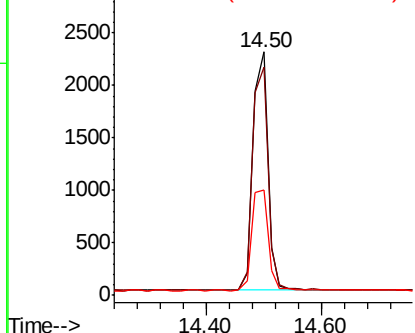
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4214
Ion Ratio Lower Upper
164 100
162 93.7 76.4 114.6
160 43.4 36.6 55.0

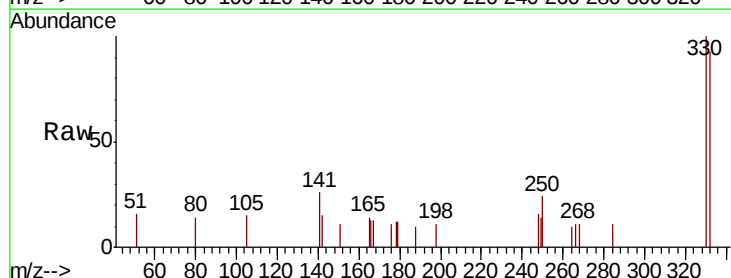


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

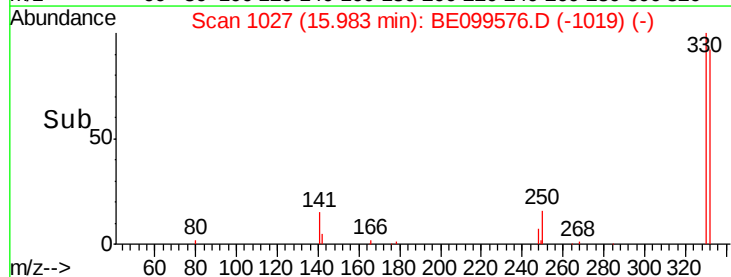
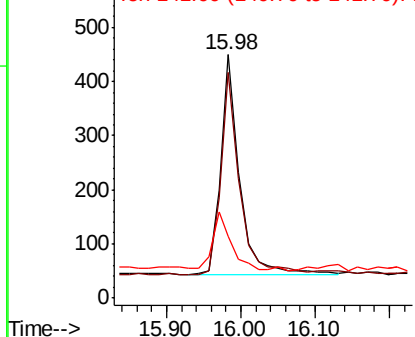


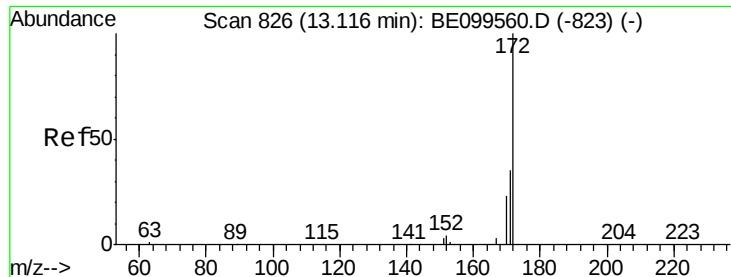
#14
2,4,6-Tribromophenol
Concen: 0.254 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion:330 Resp: 713
Ion Ratio Lower Upper
330 100
332 92.1 77.7 116.5
141 25.0 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

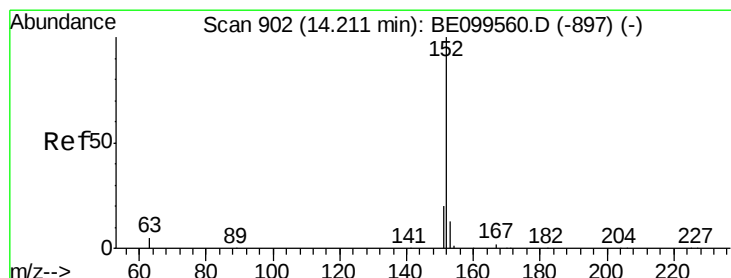
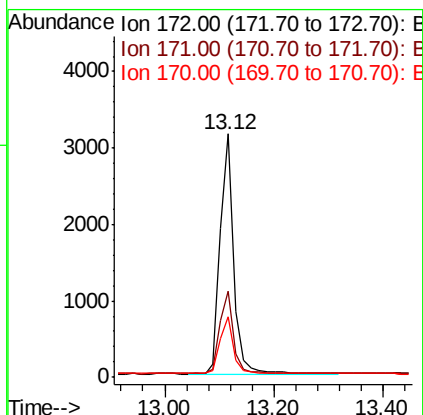
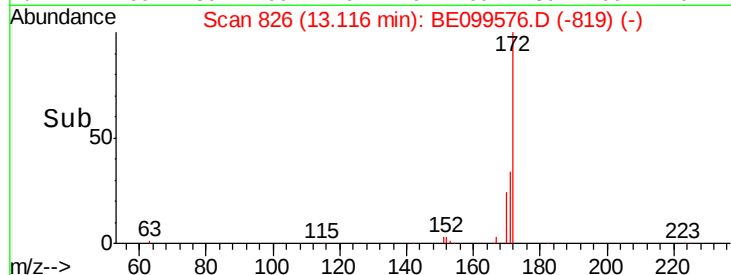
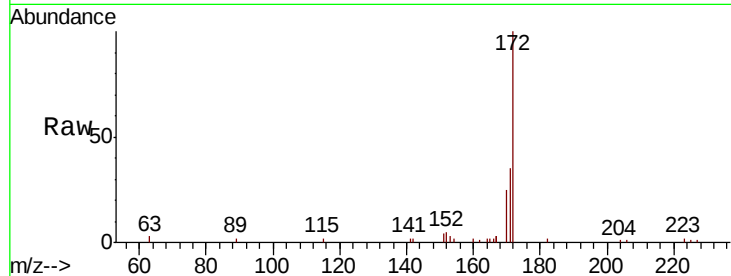




#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

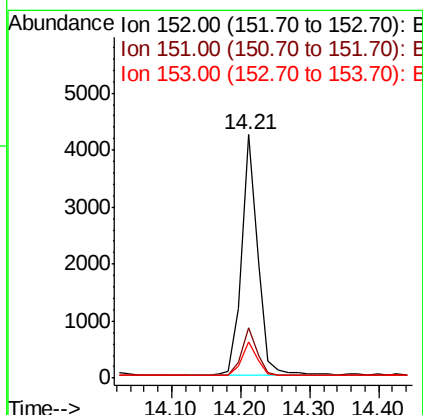
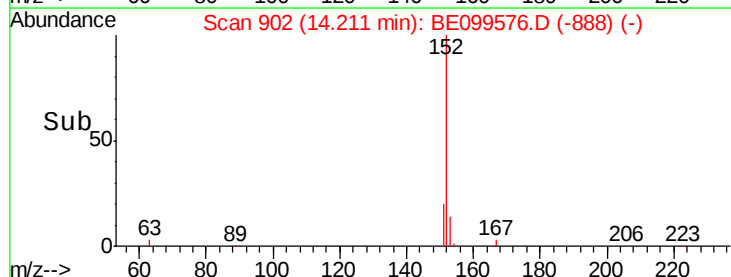
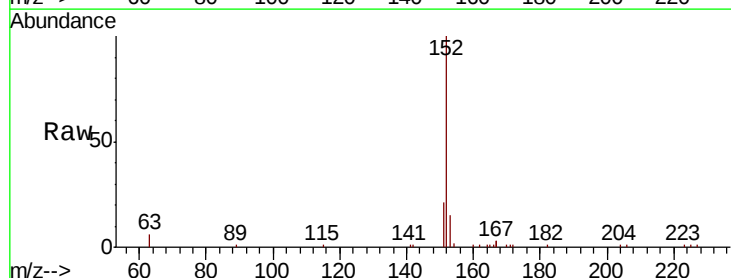
Instrument :
BNA_E
ClientSampleId :

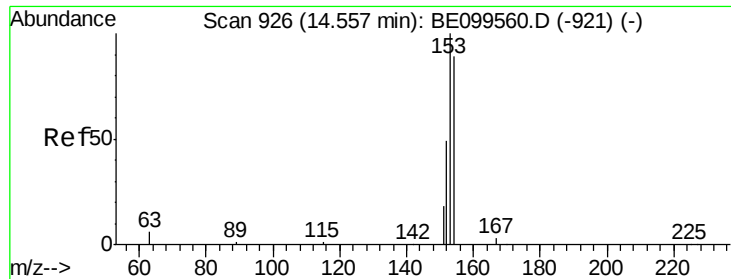
Tot Ion:172 Resp: 5603
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 25.0 18.8 28.2



#16
Acenaphthylene
Concen: 0.336 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion:152 Resp: 6828
Ion Ratio Lower Upper
152 100
151 19.1 15.8 23.8
153 13.7 10.5 15.7

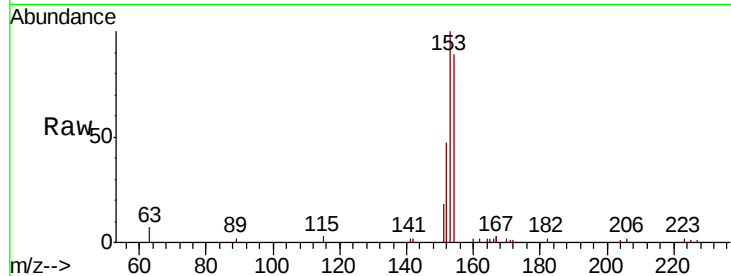




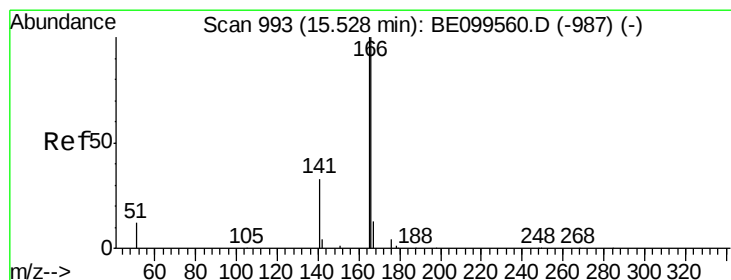
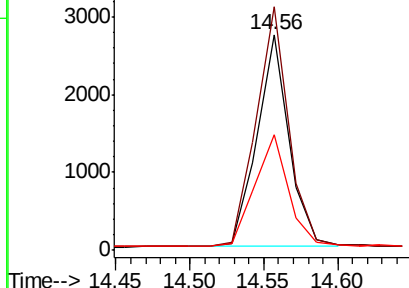
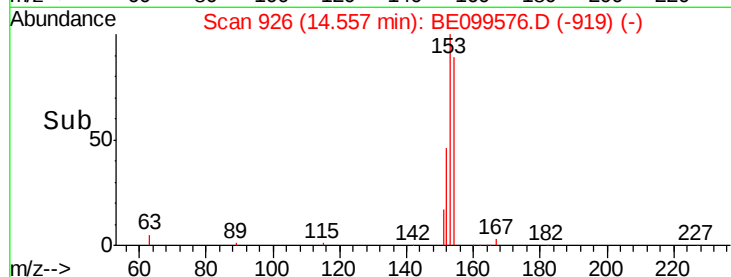
#17
Acenaphthene
Concen: 0.354 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4027
Ion Ratio Lower Upper
154 100
153 116.3 89.7 134.5
152 55.7 43.9 65.9

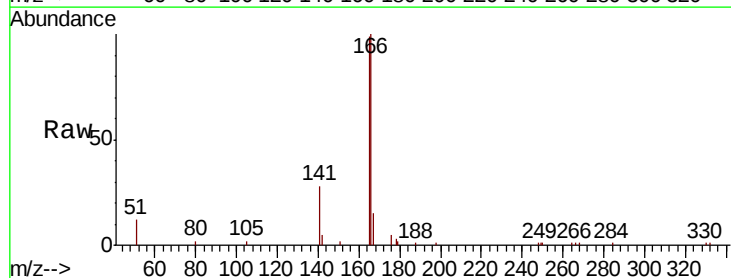


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

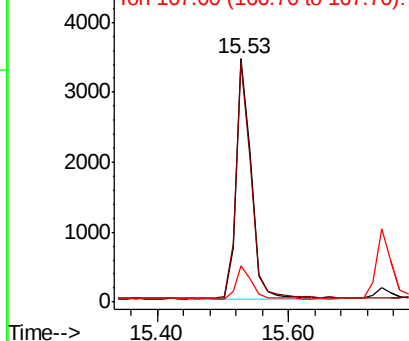
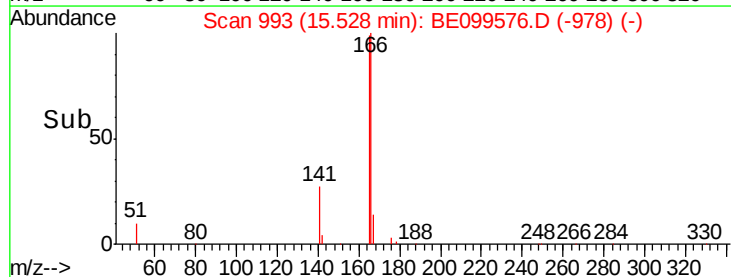


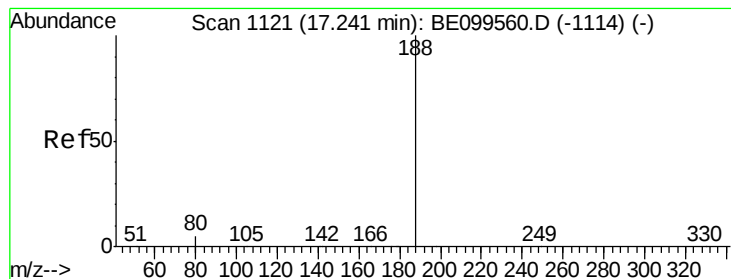
#18
Fluorene
Concen: 0.342 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion:166 Resp: 5552
Ion Ratio Lower Upper
166 100
165 98.6 79.0 118.6
167 13.8 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: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

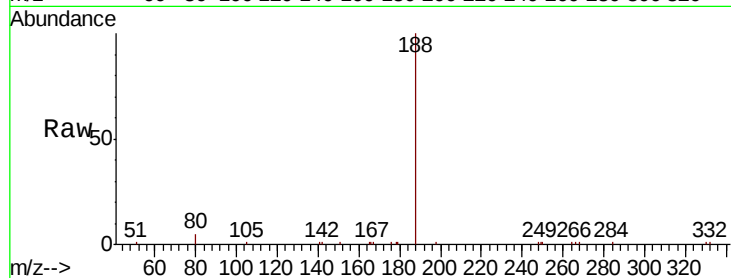
Tot Ion:188 Resp: 11880

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

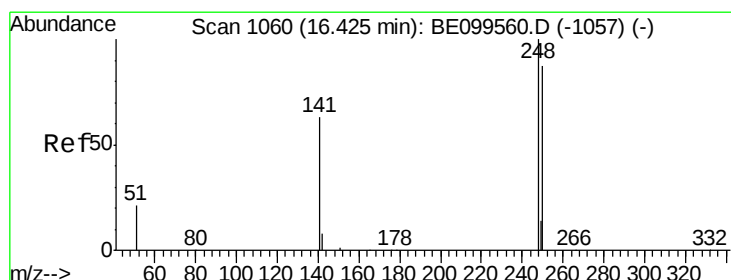
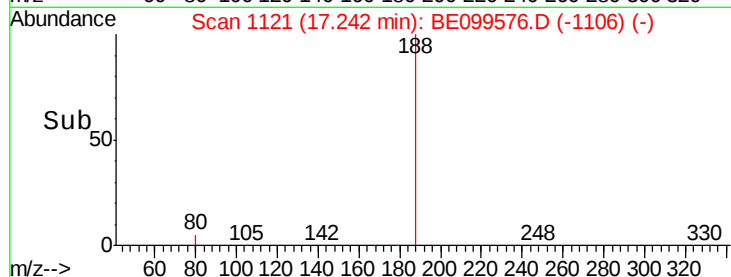
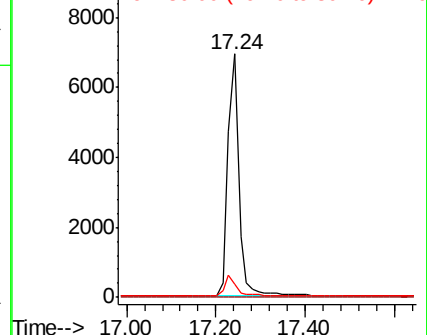
80 5.4 4.6 7.0



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: 0.320 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

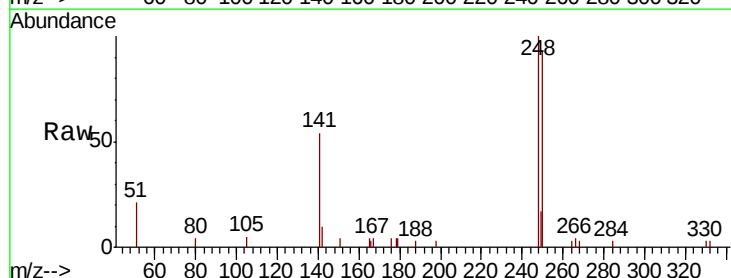
Tgt Ion:248 Resp: 2163

Ion Ratio Lower Upper

248 100

250 92.7 70.0 105.0

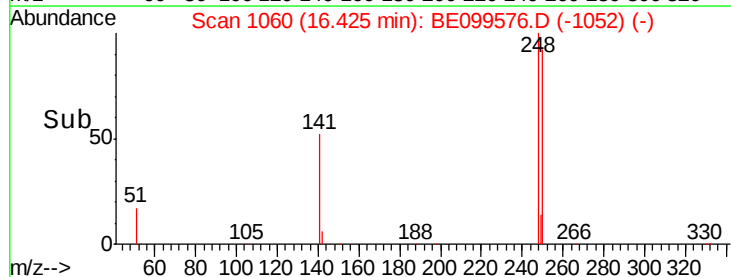
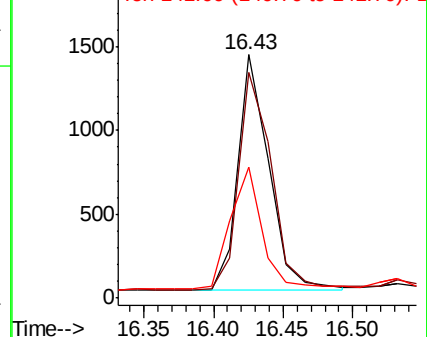
141 53.6 51.8 77.8

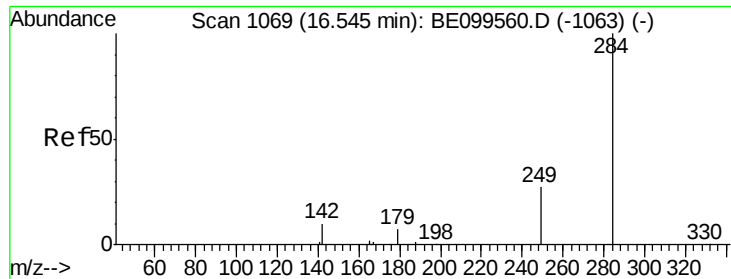


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

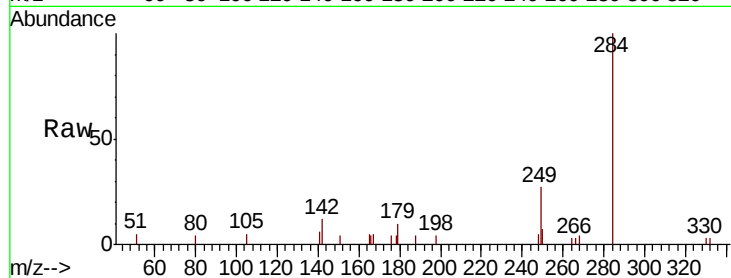




#21
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	24.6	19.5	29.3
249	32.6	26.2	39.2

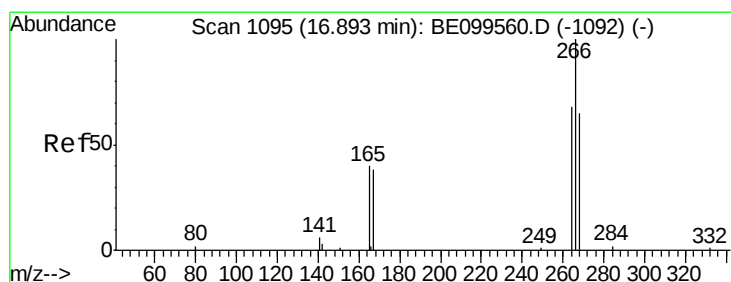
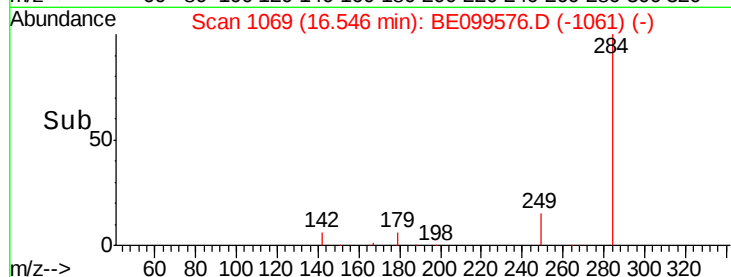
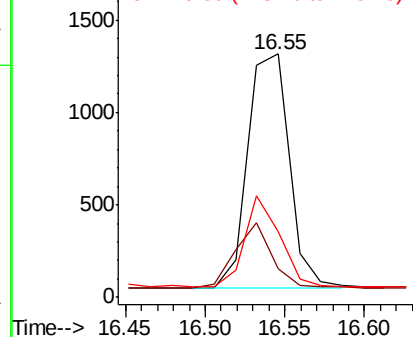


Abundance

Ion 283.80 (283.50 to 284.50): E

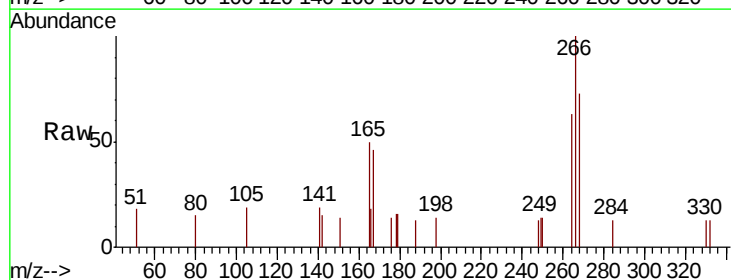
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 0.396 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	56.6	84.8
268	73.3	55.8	83.8

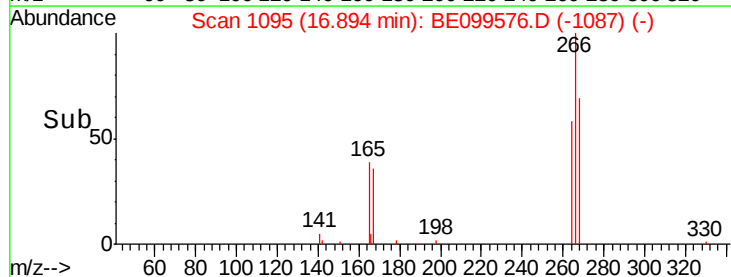
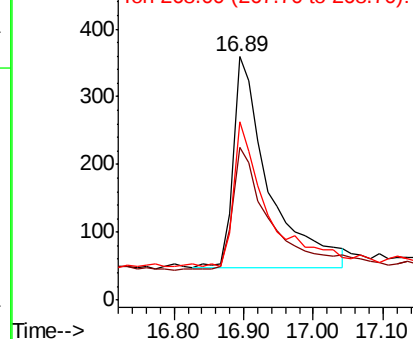


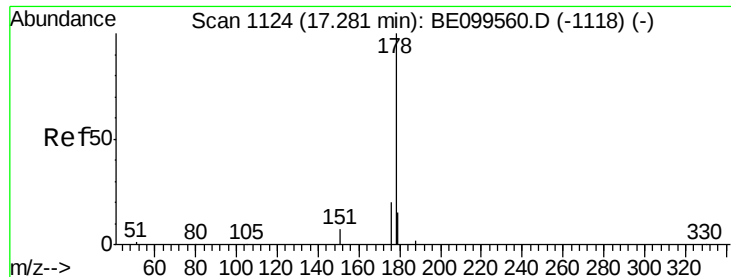
Abundance

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: 0.346 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

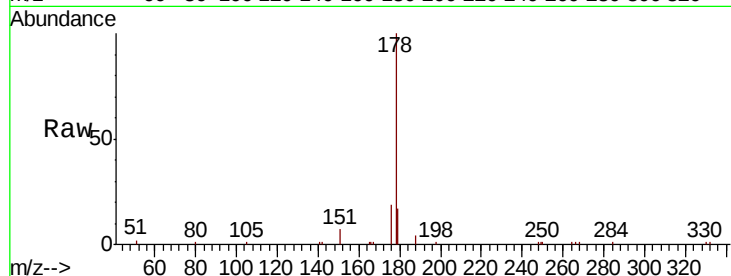
Tot Ion:178 Resp: 10129

Ion Ratio Lower Upper

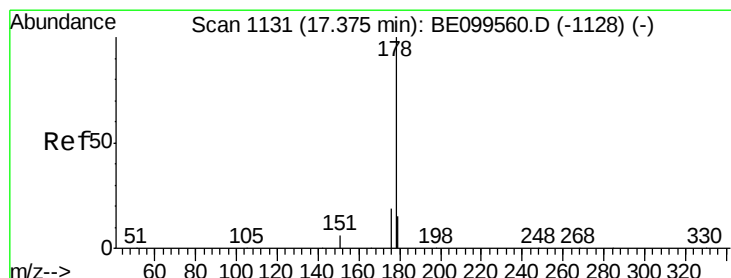
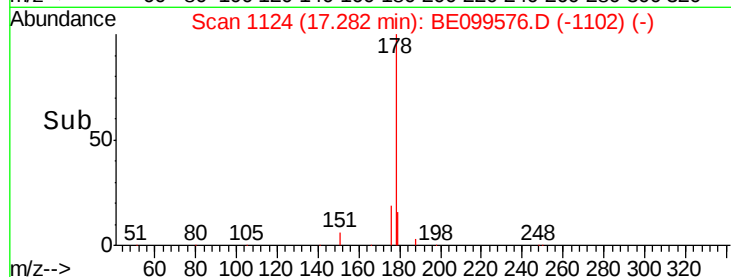
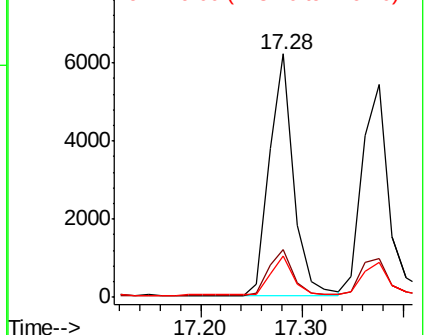
178 100

176 19.6 15.8 23.6

179 15.7 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: BE099576.D

Acq: 8 May 2019 11:17

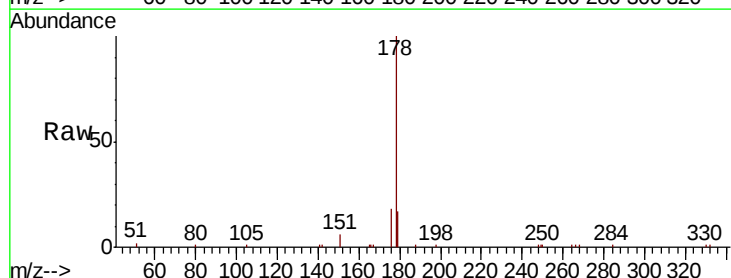
Tgt Ion:178 Resp: 9463

Ion Ratio Lower Upper

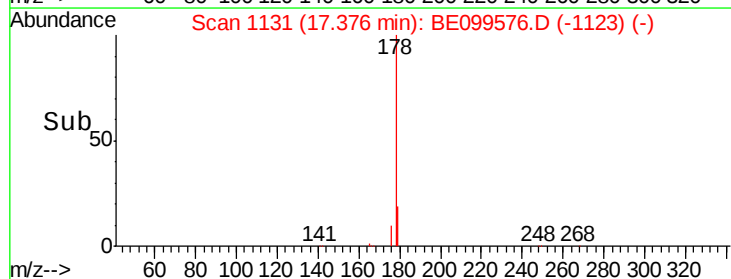
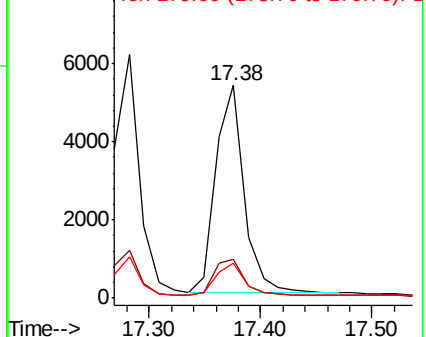
178 100

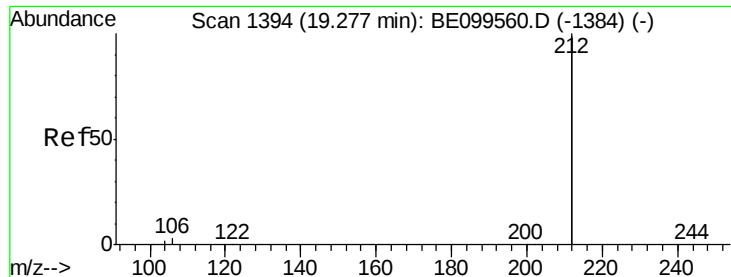
176 18.8 15.3 22.9

179 15.7 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: 0.332 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

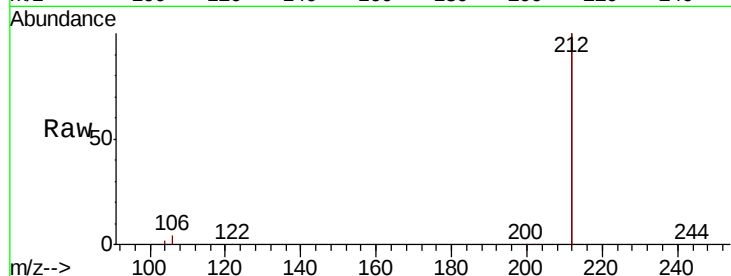
Tot Ion:212 Resp: 53159

Ion Ratio Lower Upper

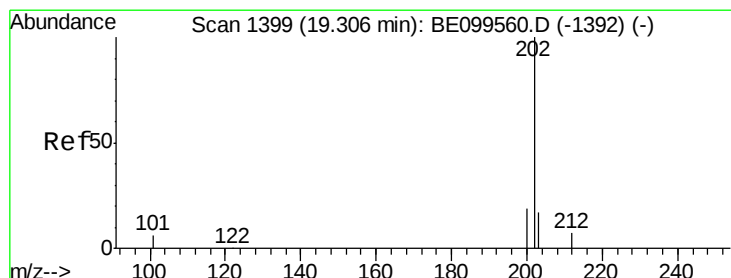
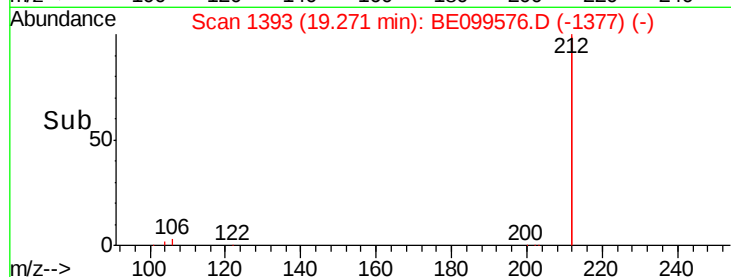
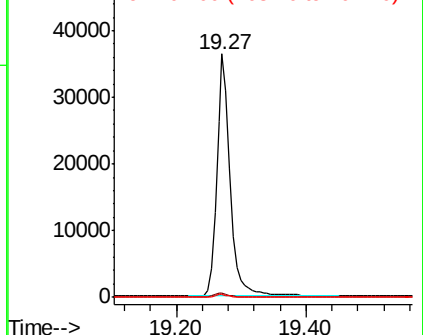
212 100

106 1.8 1.4 2.0

104 1.0 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: 19.30 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

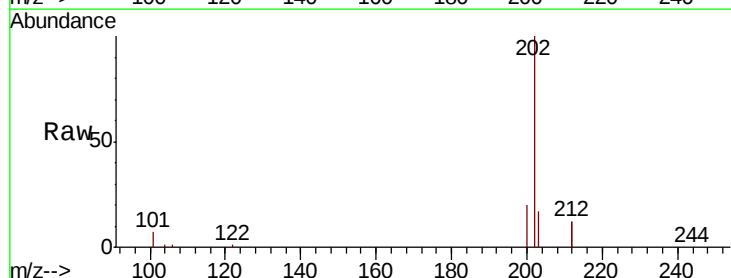
Tgt Ion:202 Resp: 15648

Ion Ratio Lower Upper

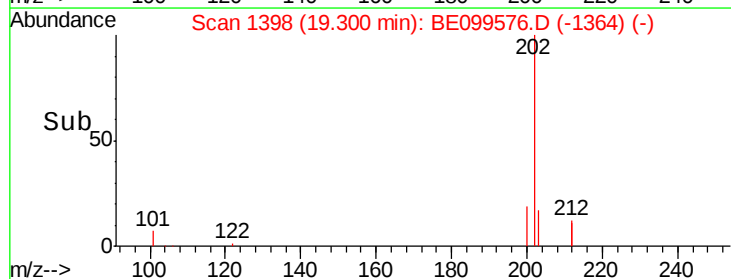
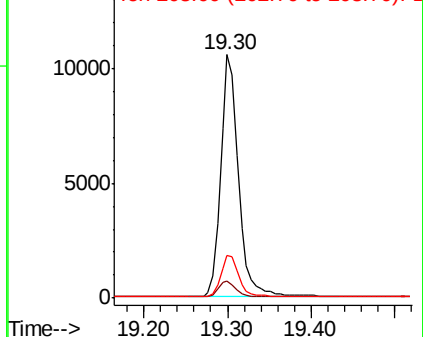
202 100

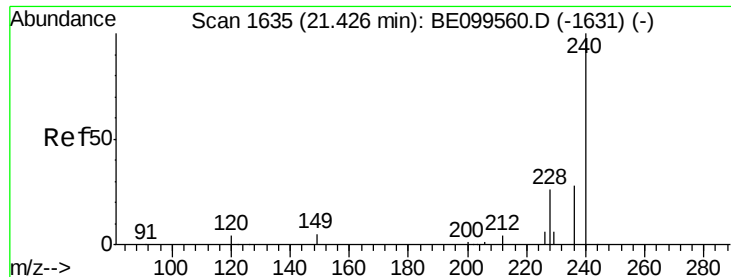
101 6.5 5.3 7.9

203 17.2 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

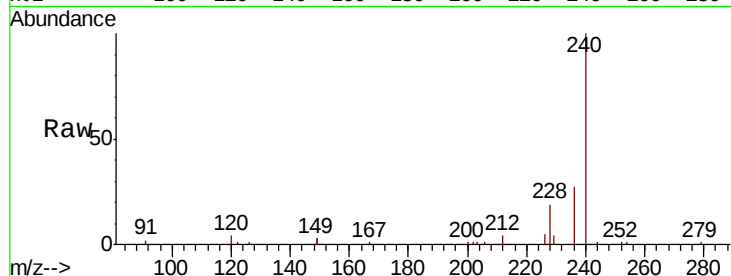




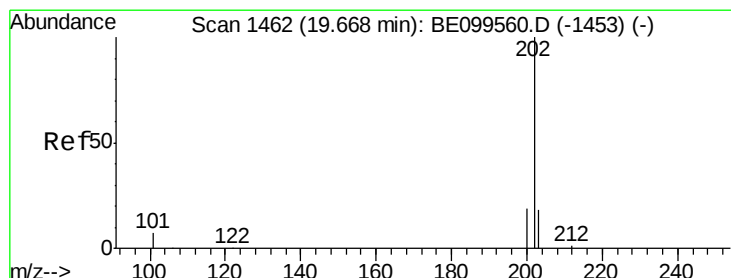
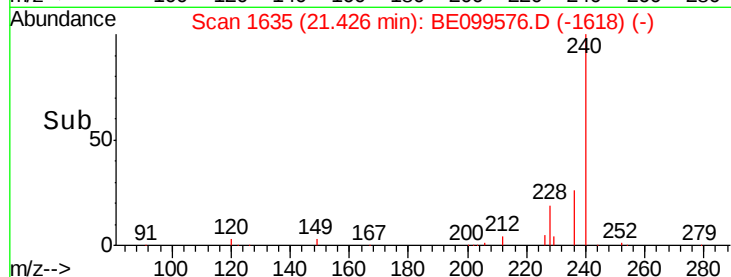
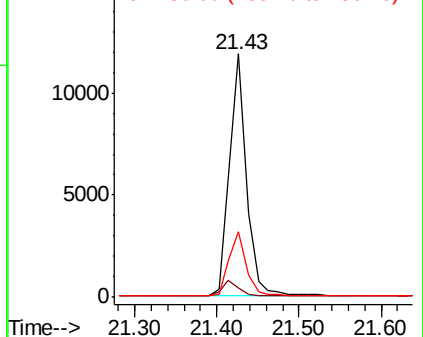
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 17089
Ion Ratio Lower Upper
240 100
120 3.9 3.8 5.6
236 26.8 22.5 33.7

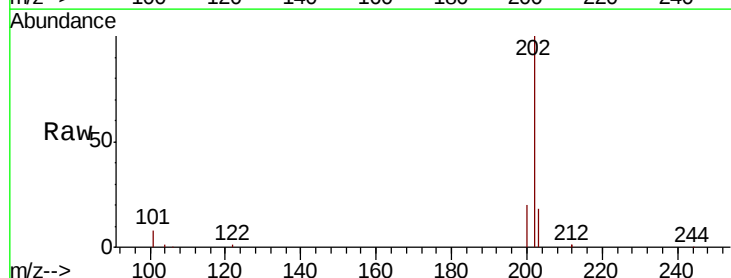


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

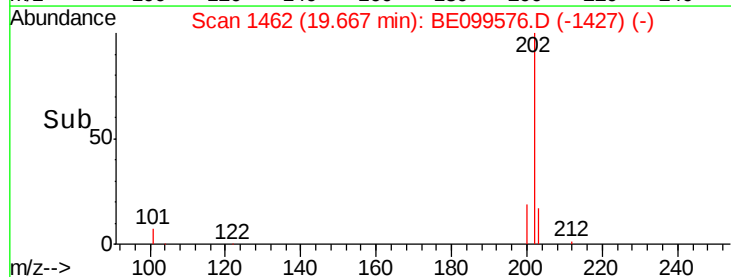
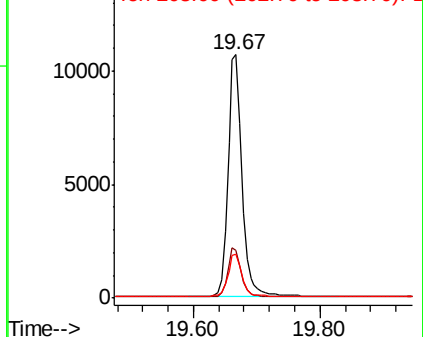


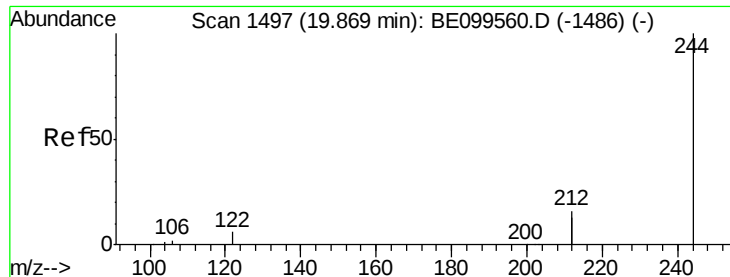
#28
Pyrene
Concen: 0.361 ng
RT: 19.67 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion:202 Resp: 16511
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.6
203 17.8 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: 0.360 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

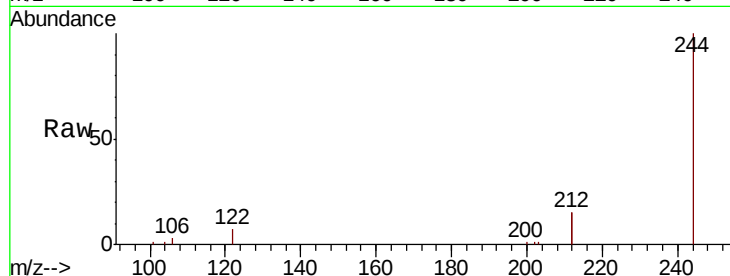
Tot Ion:244 Resp: 11414

Ion Ratio Lower Upper

244 100

212 30.7 24.6 37.0

122 6.5 5.0 7.6

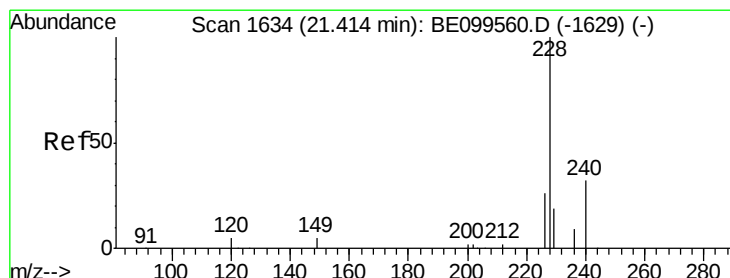
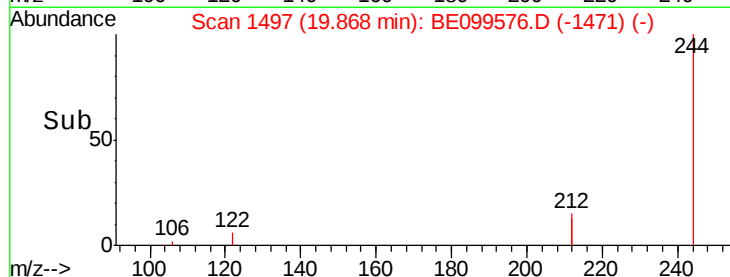
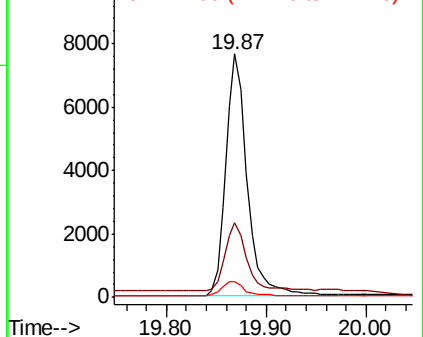


Abundance

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: 0.391 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

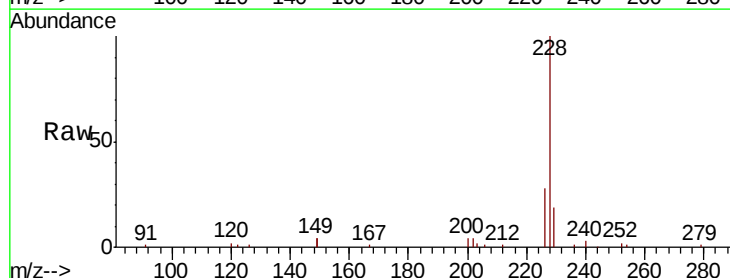
Tgt Ion:228 Resp: 20726

Ion Ratio Lower Upper

228 100

226 28.2 20.9 31.3

229 19.3 16.1 24.1

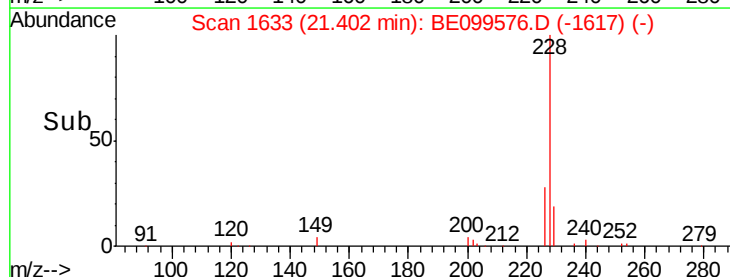
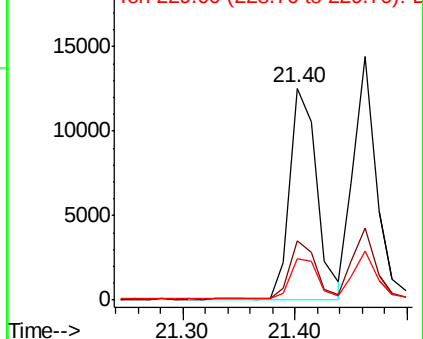


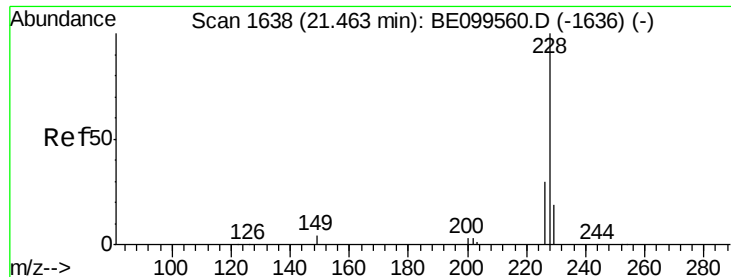
Abundance

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: 0.387 ng

RT: 21.46 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

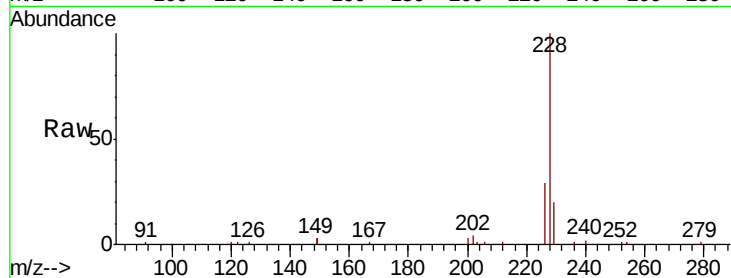
Tot Ion:228 Resp: 20203

Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.4

229 20.1 15.8 23.6

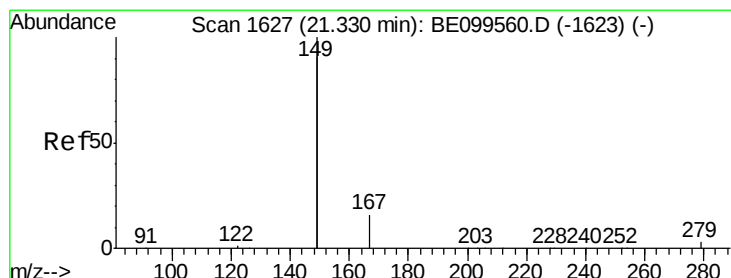
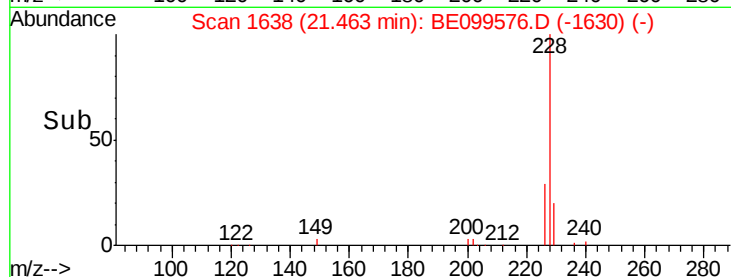
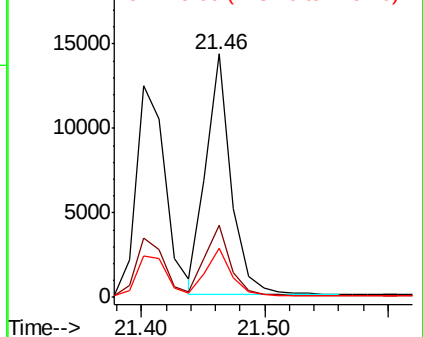


Abundance

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: 0.349 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

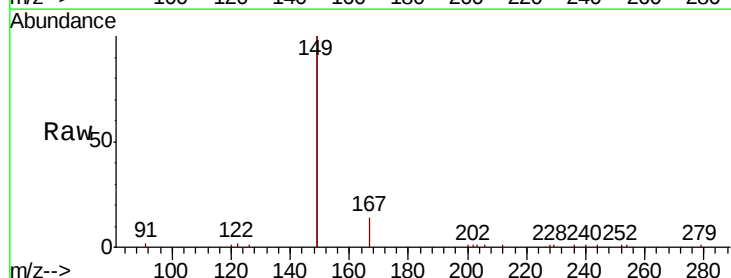
Tgt Ion:149 Resp: 29266

Ion Ratio Lower Upper

149 100

167 7.3 6.1 9.1

279 1.4 1.3 1.9

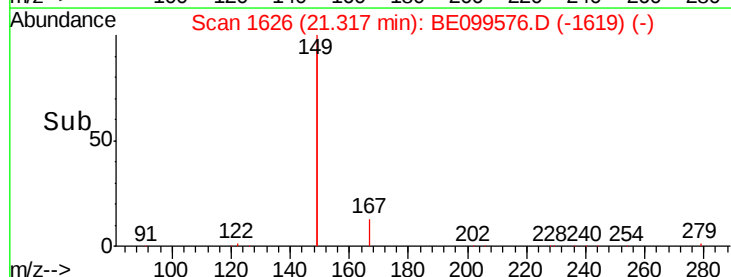
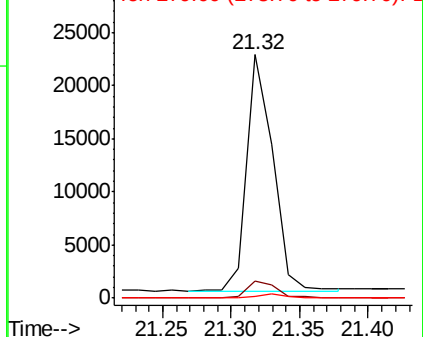


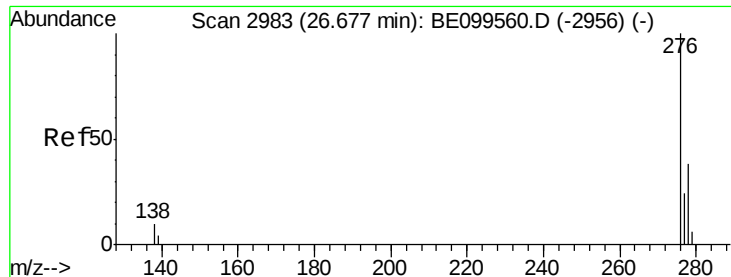
Abundance

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

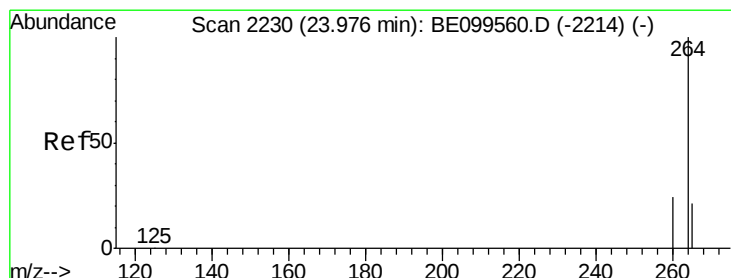
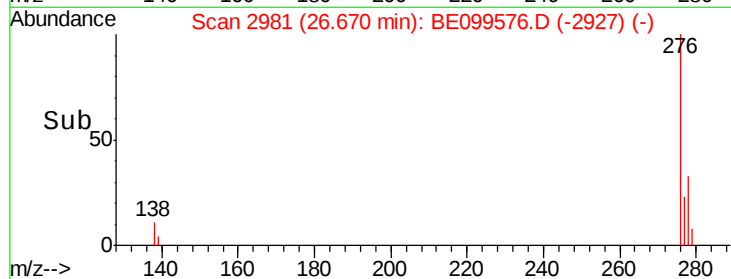
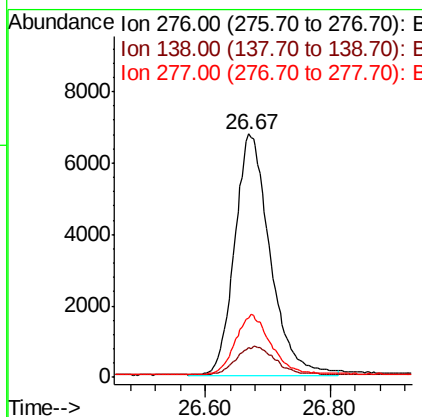
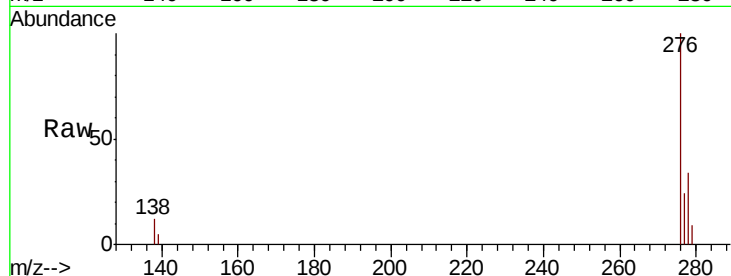




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.428 ng
 RT: 26.67 min Scan# 2981
 Delta R.T. -0.01 min
 Lab File: BE099576.D
 Acq: 8 May 2019 11:17

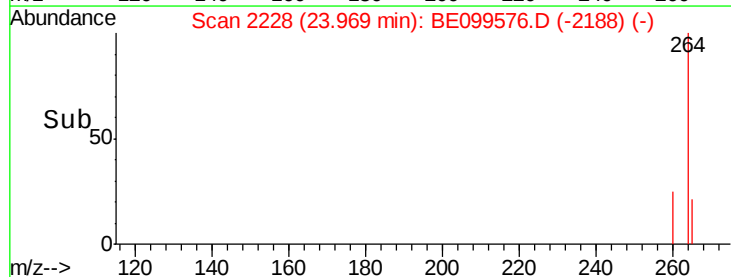
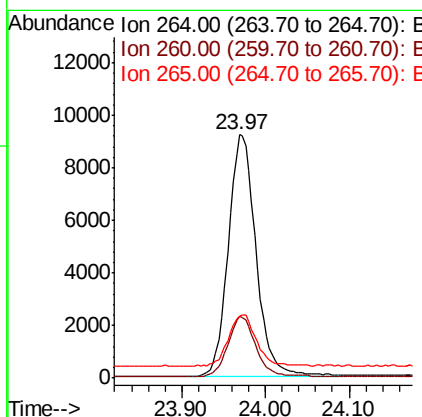
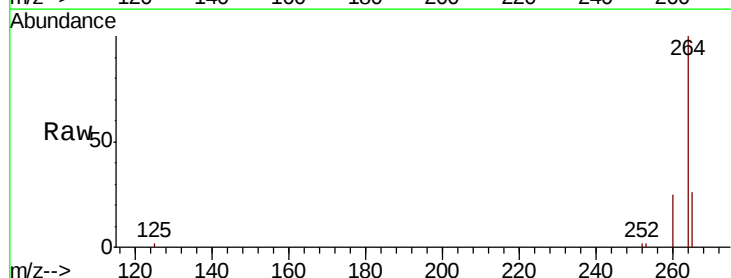
Instrument :
 BNA_E
 ClientSampleId :

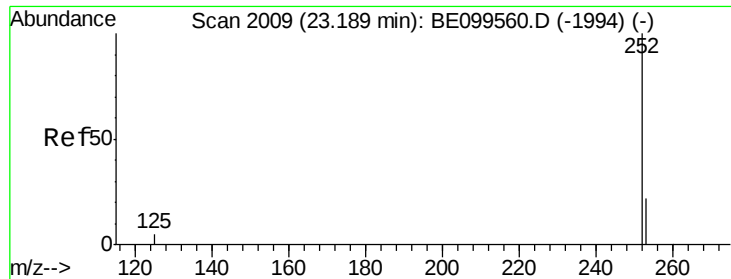
Tot Ion:276 Resp: 26551
 Ion Ratio Lower Upper
 276 100
 138 12.8 9.5 14.3
 277 24.8 19.7 29.5



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.97 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BE099576.D
 Acq: 8 May 2019 11:17

Tgt Ion:264 Resp: 21083
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.9 29.9
 265 25.6 22.2 33.2

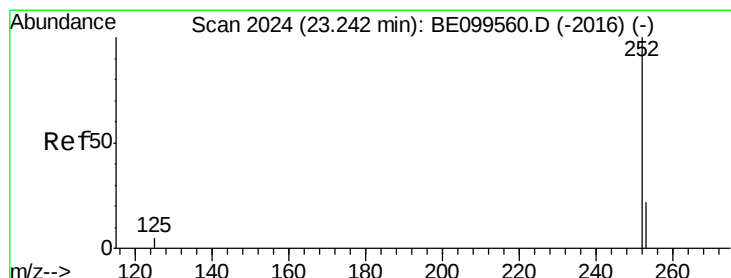
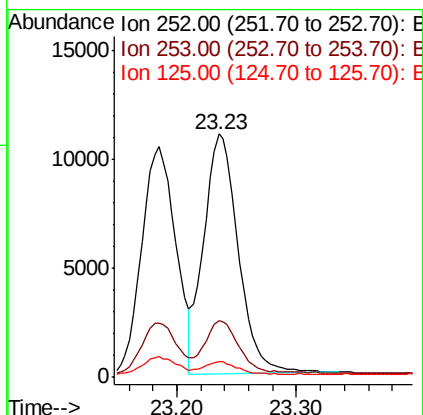
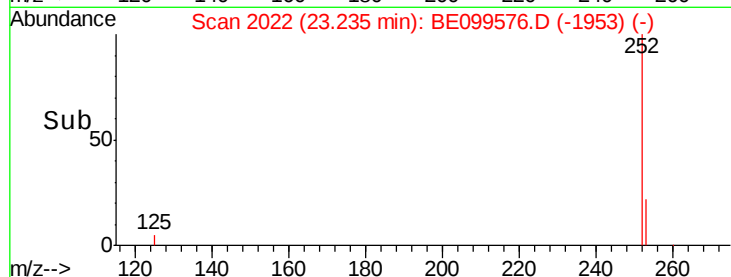
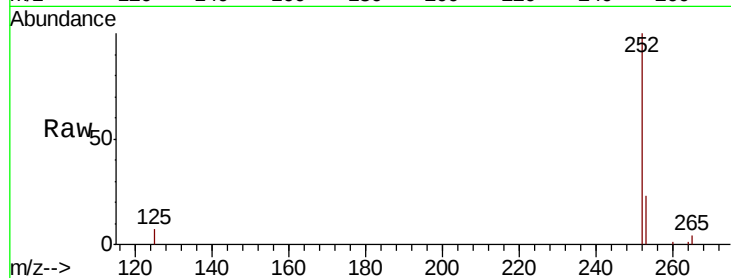




#35
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 23.23 min Scan# 2022
Delta R.T. 0.05 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

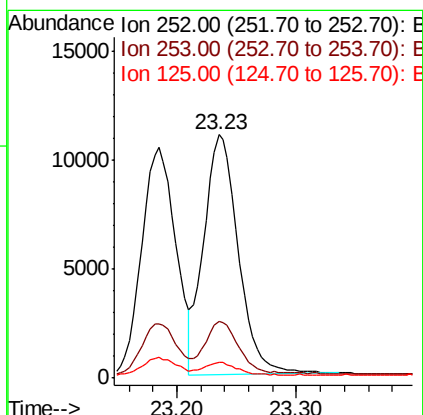
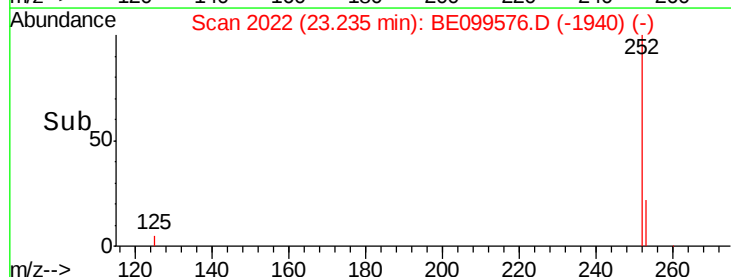
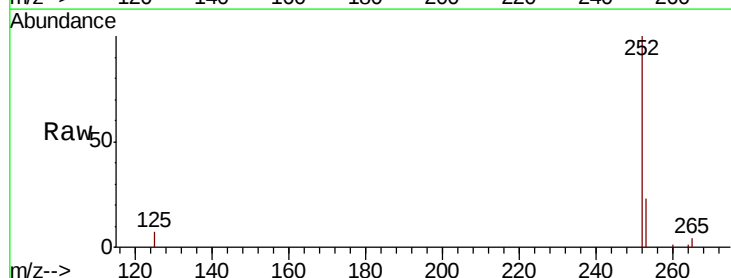
Instrument :
BNA_E
ClientSampleId :

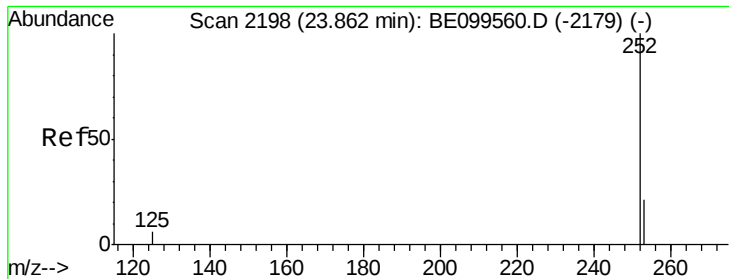
Tot Ion:252 Resp: 22073
Ion Ratio Lower Upper
252 100
253 23.3 19.0 28.4
125 6.6 5.8 8.6



#36
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 23.23 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion:252 Resp: 22073
Ion Ratio Lower Upper
252 100
253 23.3 19.1 28.7
125 6.6 5.8 8.6

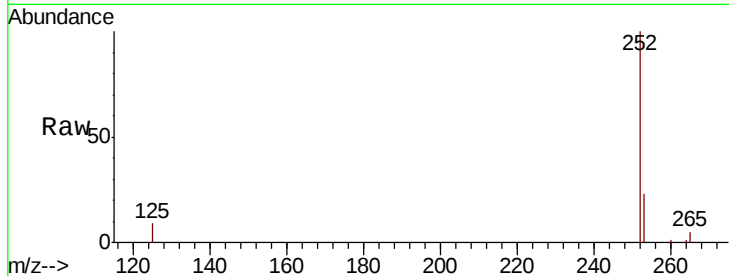




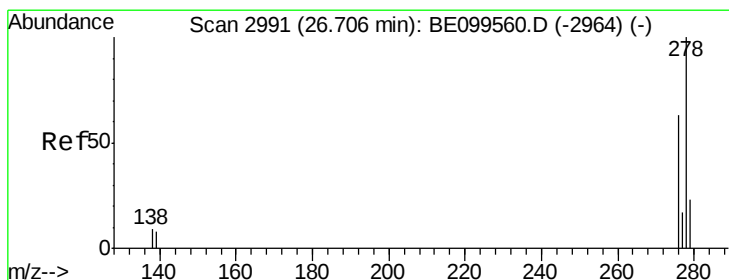
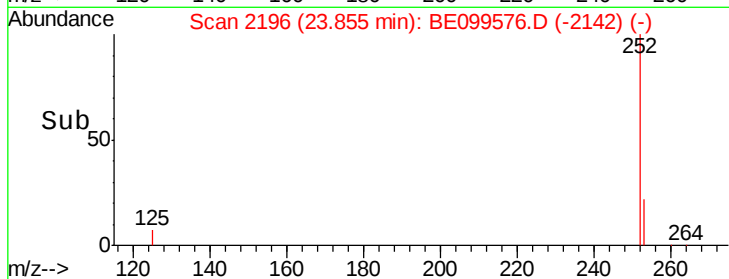
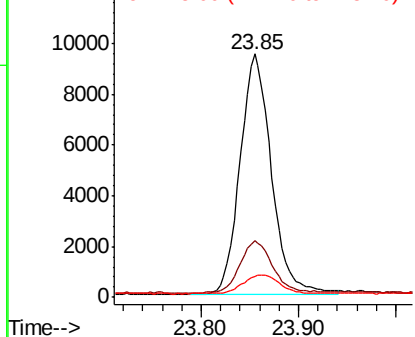
#37
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.85 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 21283
Ion Ratio Lower Upper
252 100
253 23.2 18.9 28.3
125 8.6 6.6 9.8

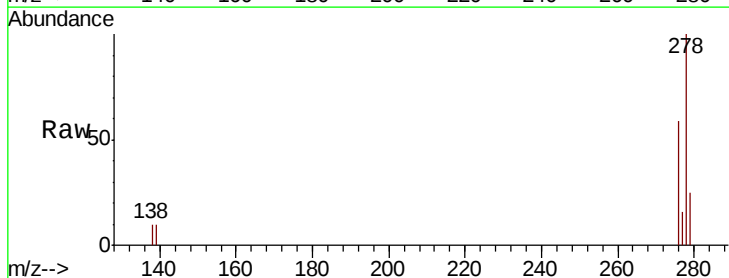


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

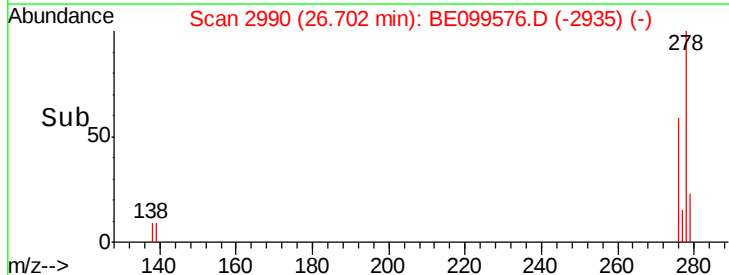
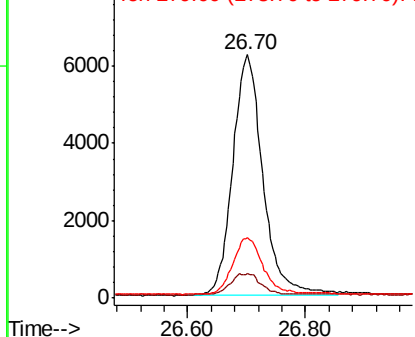


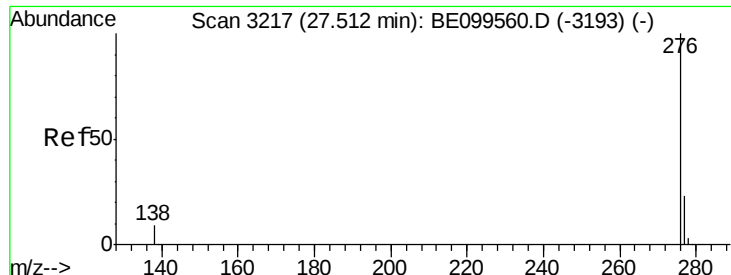
#38
Dibenzo(a,h)anthracene
Concen: 0.384 ng
RT: 26.70 min Scan# 2990
Delta R.T. -0.00 min
Lab File: BE099576.D
Acq: 8 May 2019 11:17

Tgt Ion:278 Resp: 22300
Ion Ratio Lower Upper
278 100
139 9.9 7.7 11.5
279 24.7 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: 0.390 ng

RT: 27.51 min Scan# 3216

Delta R.T. -0.00 min

Lab File: BE099576.D

Acq: 8 May 2019 11:17

Instrument :

BNA_E

ClientSampleId :

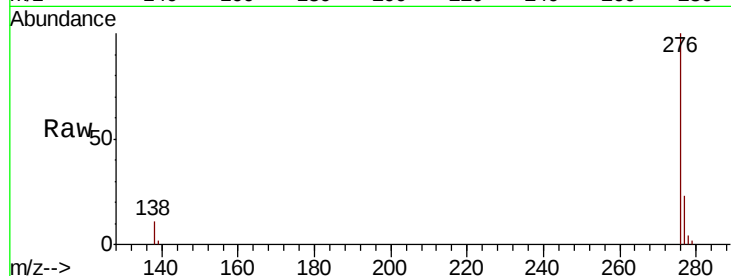
Tot Ion: 276 Resp: 22658

Ion Ratio Lower Upper

276 100

277 23.3 19.7 29.5

138 11.5 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

