

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099176.D
 Acq On : 25 Mar 2019 10:38
 Operator : JU/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 25 14:13:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 25 14:07:14 2019
 Response via : Initial Calibration

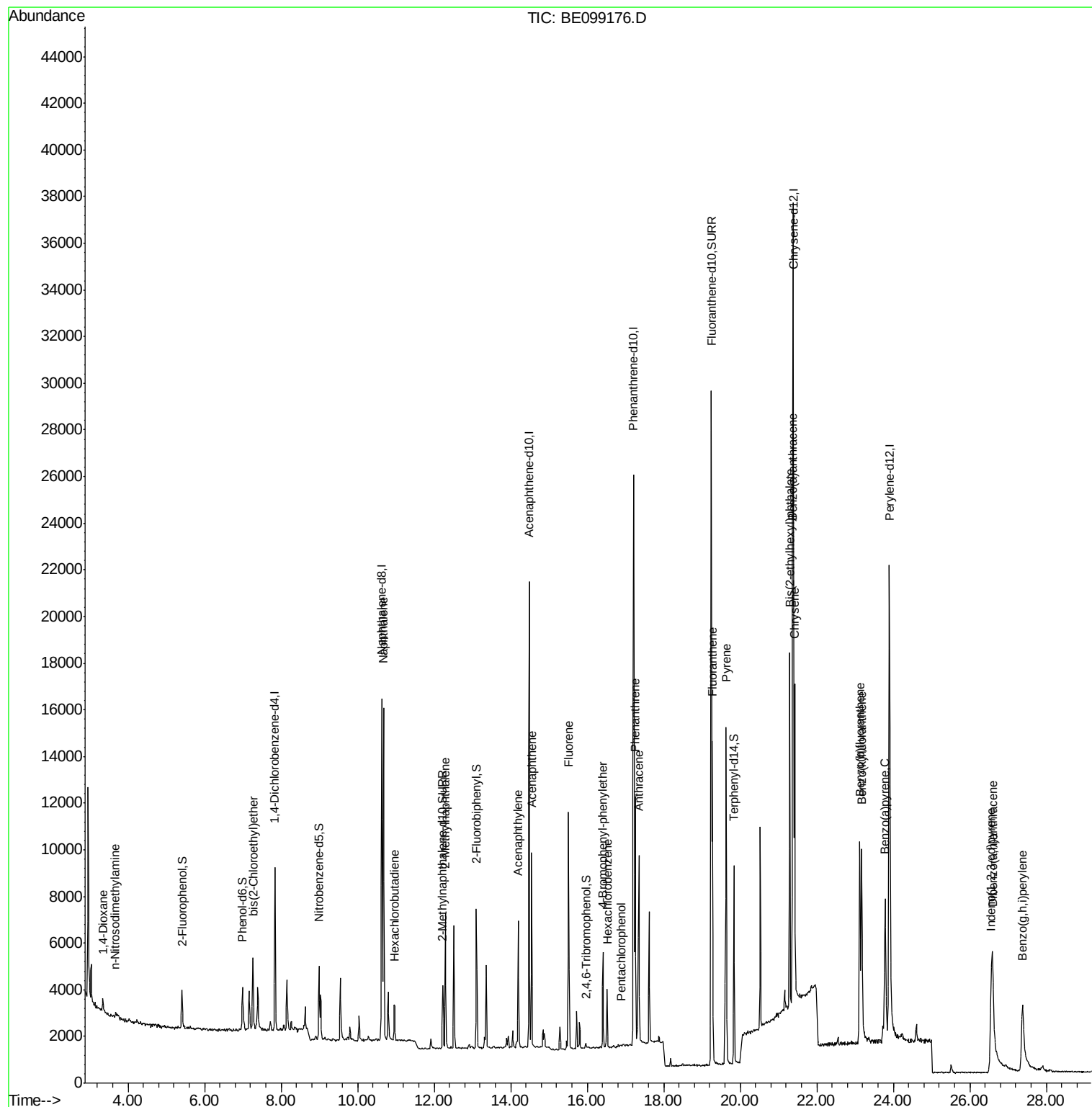
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3832	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	17245	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	12060	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	32366	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35543	0.40	ng	0.00
34) Perylene-d12	23.90	264	36518	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1274	0.11	ng	0.00
5) Phenol-d6	6.99	99	1895	0.12	ng	0.00
8) Nitrobenzene-d5	8.99	82	1476	0.20	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3593	0.12	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	238	0.07	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	5425	0.11	ng	0.00
25) Fluoranthene-d10	19.24	212	39231	0.09	ng	0.00
29) Terphenyl-d14	19.83	244	7985	0.11	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	588	0.099	ng	Qvalue 98
3) n-Nitrosodimethylamine	3.67	42	104	0.034	ng	# 1
6) bis(2-Chloroethyl)ether	7.27	93	1549	0.116	ng	90
9) Naphthalene	10.68	128	22045	0.108	ng	99
10) Hexachlorobutadiene	10.97	225	1218	0.123	ng	96
12) 2-Methylnaphthalene	12.30	142	3864	0.111	ng	95
16) Acenaphthylene	14.20	152	6289	0.098	ng	98
17) Acenaphthene	14.54	154	4009	0.105	ng	99
18) Fluorene	15.51	166	5698	0.102	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	2186	0.122	ng	# 88
21) Hexachlorobenzene	16.52	284	2185	0.131	ng	99
22) Pentachlorophenol	16.88	266	80	0.263	ng	# 73
23) Phenanthrene	17.25	178	10256	0.107	ng	99
24) Anthracene	17.35	178	8705	0.096	ng	99
26) Fluoranthene	19.27	202	12661	0.094	ng	99
28) Pyrene	19.63	202	13169	0.109	ng	99
30) Benzo(a)anthracene	21.37	228	12757	0.102	ng	99
31) Chrysene	21.43	228	13959	0.112	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	17056	0.105	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	3927	0.029	ng	# 46
35) Benzo(b)fluoranthene	23.12	252	12782	0.101	ng	# 95
36) Benzo(k)fluoranthene	23.17	252	13437	0.109	ng	# 96
37) Benzo(a)pyrene	23.78	252	11756	0.101	ng	# 93
38) Dibenzo(a,h)anthracene	26.59	278	9673	0.085	ng	# 89
39) Benzo(g,h,i)perylene	27.37	276	10548	0.090	ng	# 93

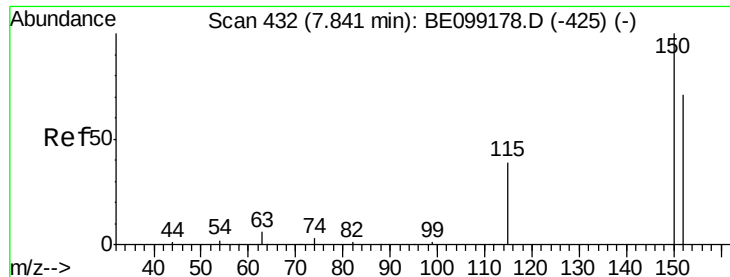
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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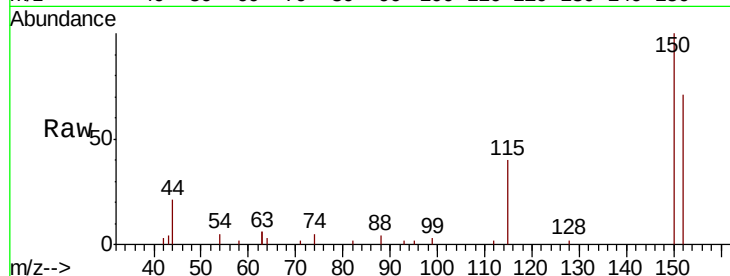


#1

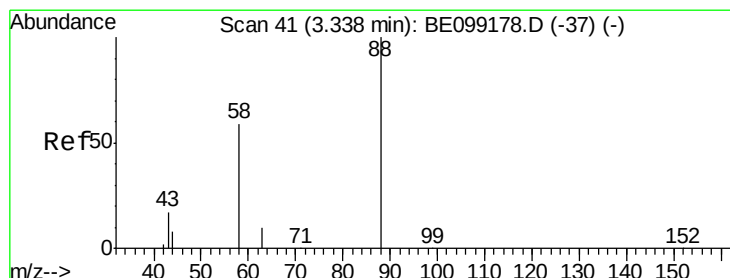
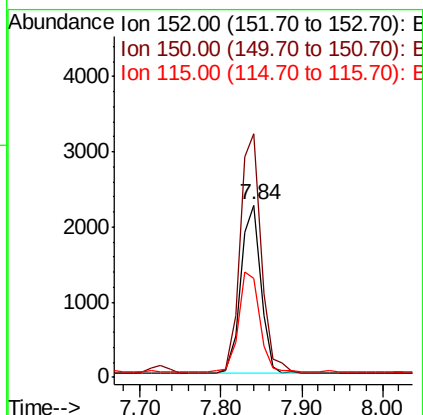
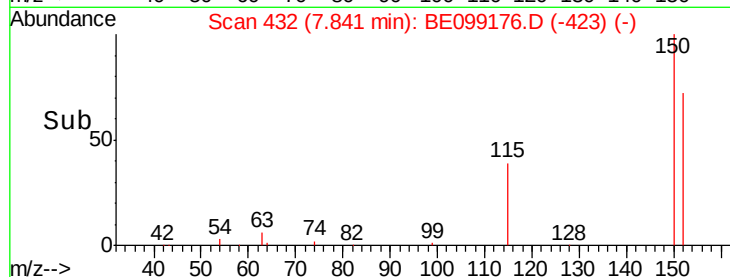
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3832
Ion Ratio Lower Upper
152 100
150 141.2 112.8 169.2
115 57.1 45.1 67.7



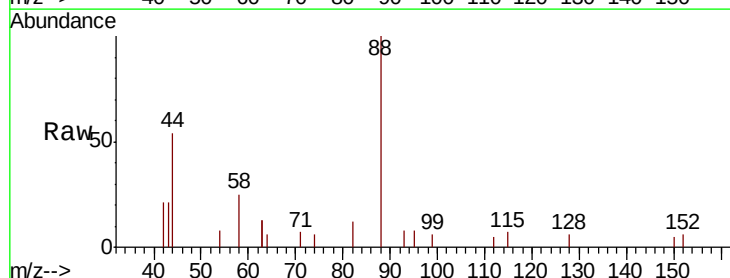
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



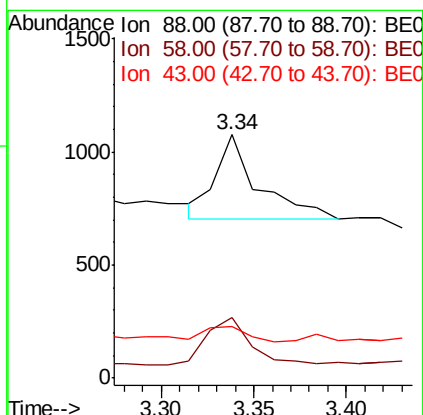
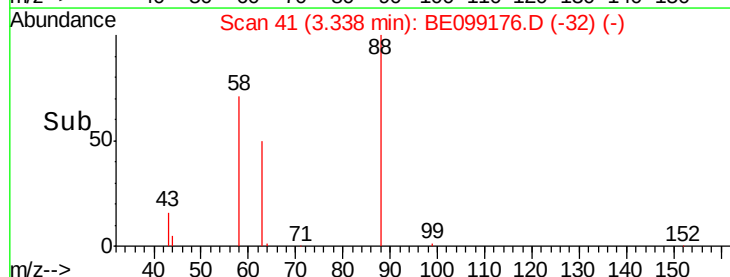
#2

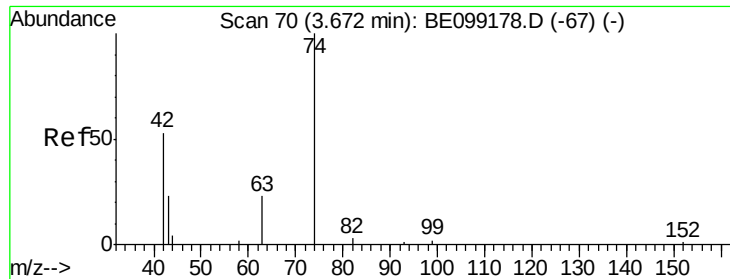
1,4-Dioxane
Concen: 0.099 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Tgt Ion: 88 Resp: 588
Ion Ratio Lower Upper
88 100
58 58.7 47.4 71.0
43 22.4 15.6 23.4



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: 0.034 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampled :

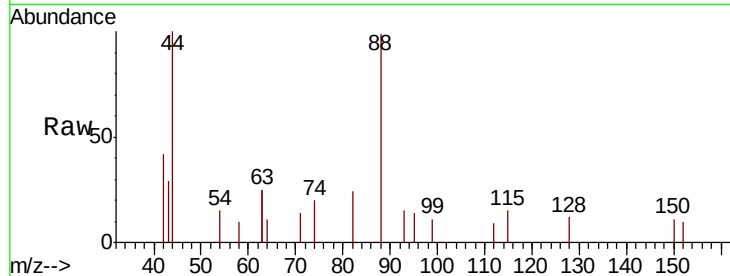
Tot Ion: 42 Resp: 104

Ion Ratio Lower Upper

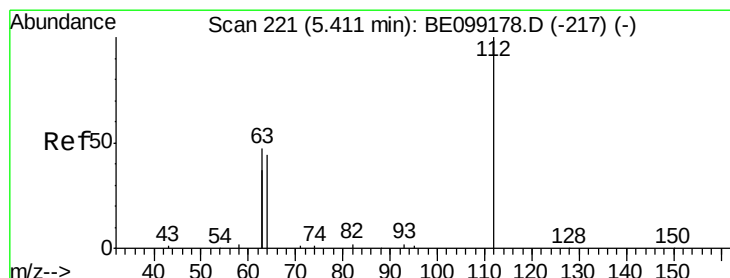
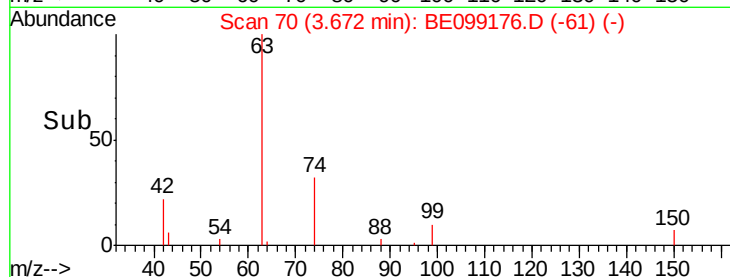
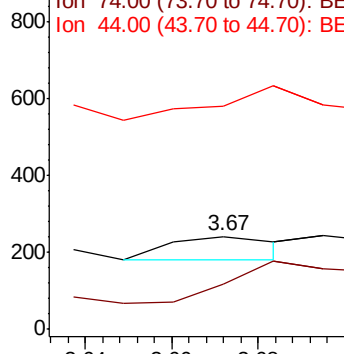
42 100

74 308.7 138.6 207.8#

44 151.9 15.0 22.6#



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: 0.112 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

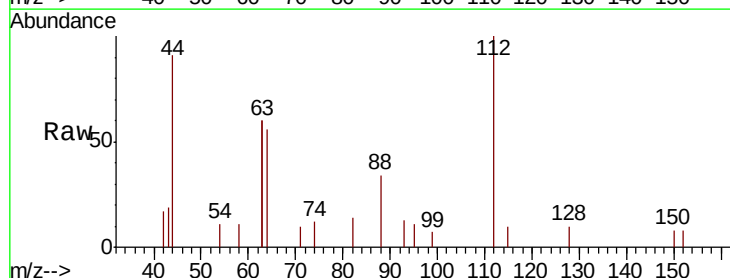
Tgt Ion: 112 Resp: 1274

Ion Ratio Lower Upper

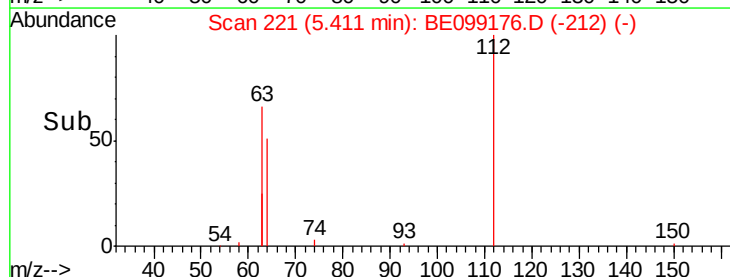
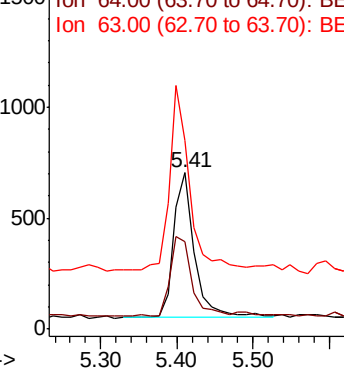
112 100

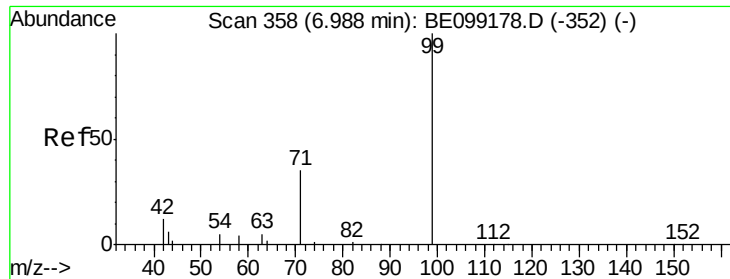
64 56.0 46.2 69.2

63 118.9 89.9 134.9



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: 0.115 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampled :

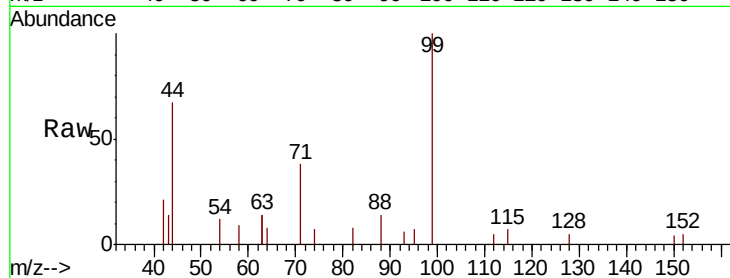
Tot Ion: 99 Resp: 1895

Ion Ratio Lower Upper

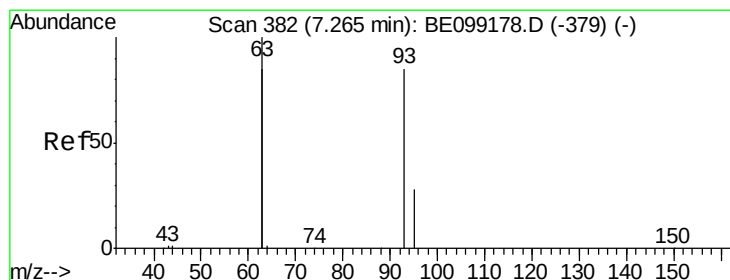
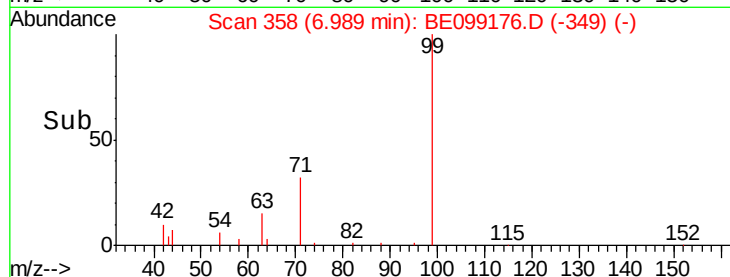
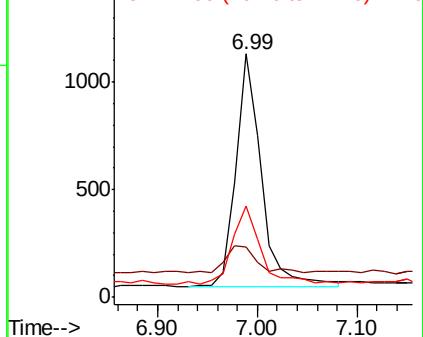
99 100

42 14.0 12.4 18.6

71 39.0 28.4 42.6



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: 0.116 ng

RT: 7.27 min Scan# 382

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

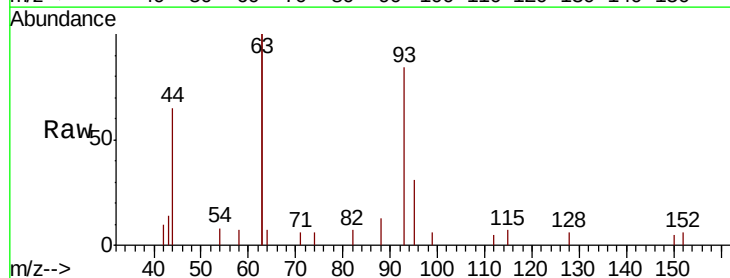
Tgt Ion: 93 Resp: 1549

Ion Ratio Lower Upper

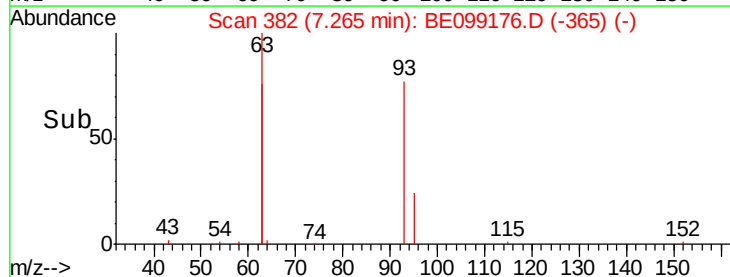
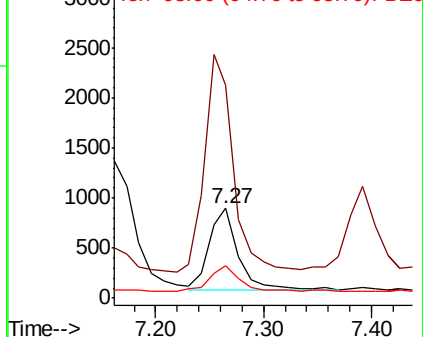
93 100

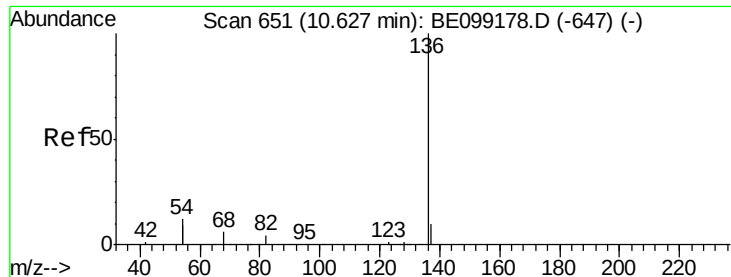
63 256.2 221.4 332.0

95 32.0 25.8 38.8



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: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 17245

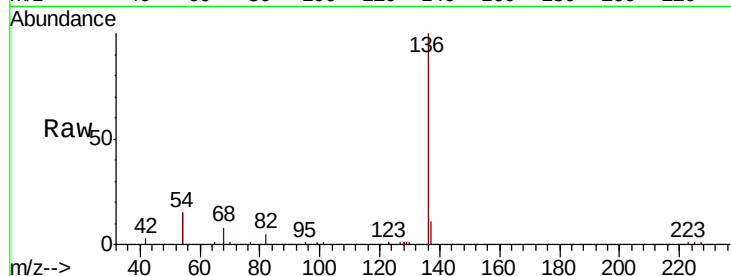
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 30.2 18.7 28.1#

68 7.6 5.2 7.8

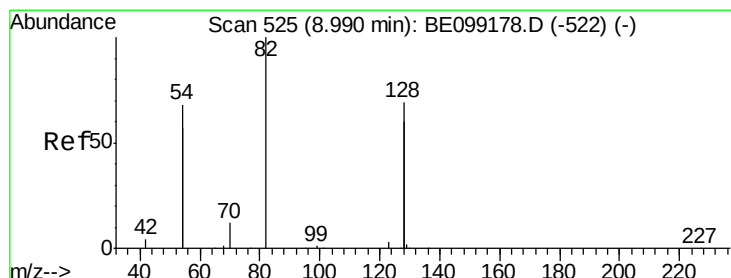
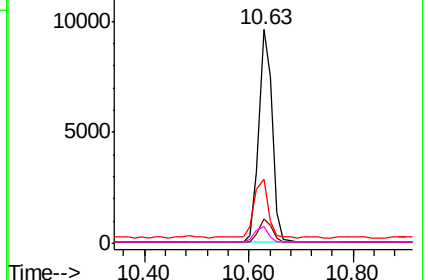
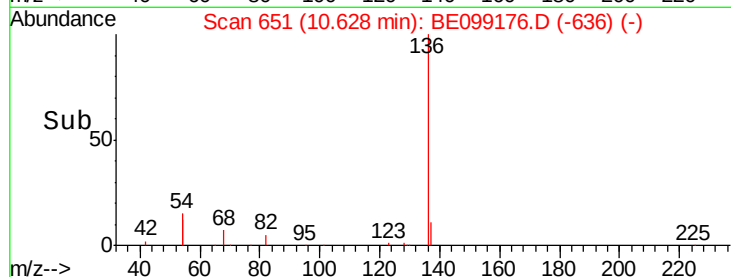


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.196 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

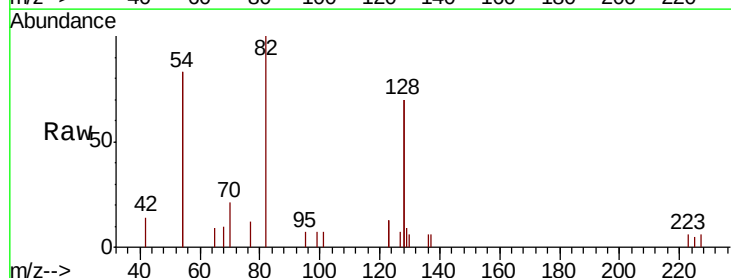
Tgt Ion: 82 Resp: 1476

Ion Ratio Lower Upper

82 100

128 140.9 107.5 161.3

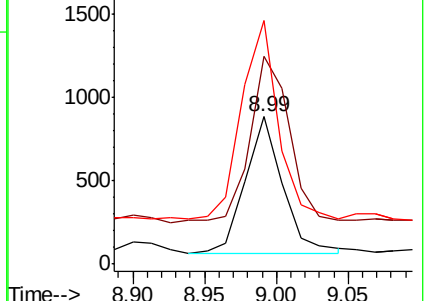
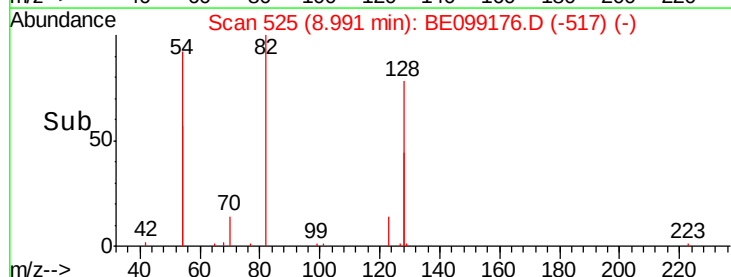
54 165.1 106.3 159.5#

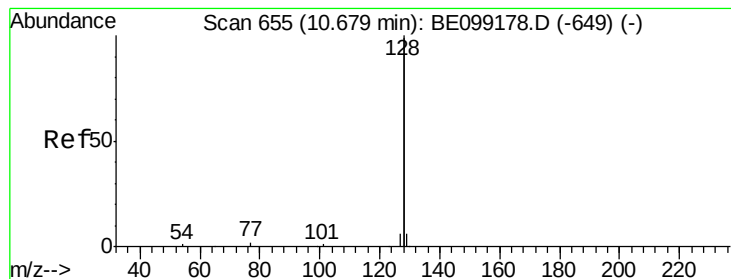


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.108 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

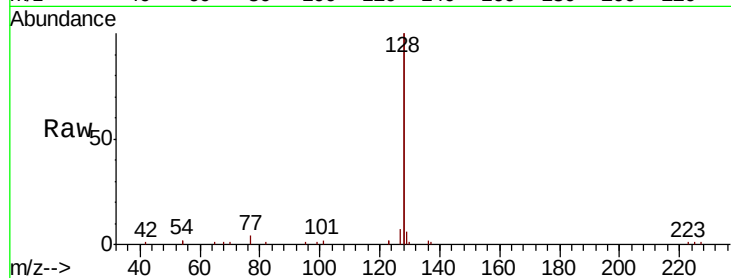
Tot Ion:128 Resp: 22045

Ion Ratio Lower Upper

128 100

129 3.1 2.3 3.5

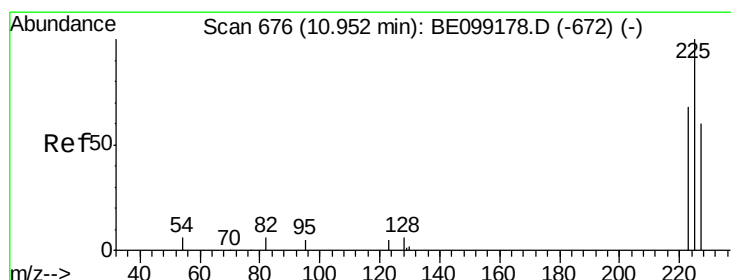
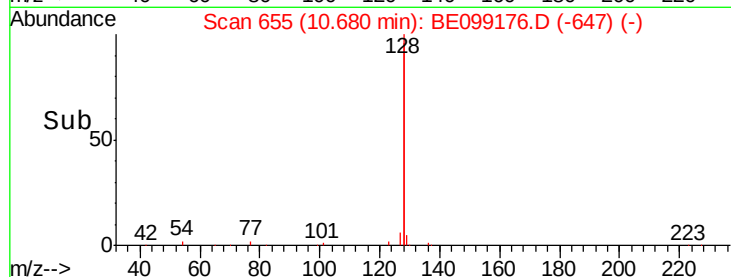
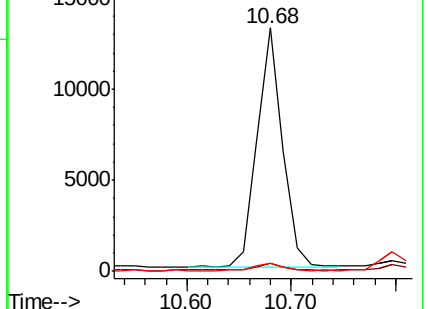
127 3.6 2.6 3.8



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: 0.123 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

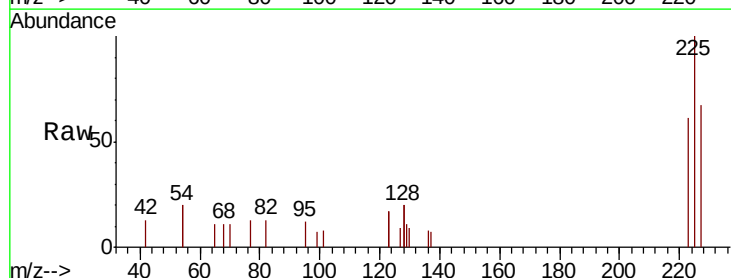
Tgt Ion:225 Resp: 1218

Ion Ratio Lower Upper

225 100

223 61.6 51.3 76.9

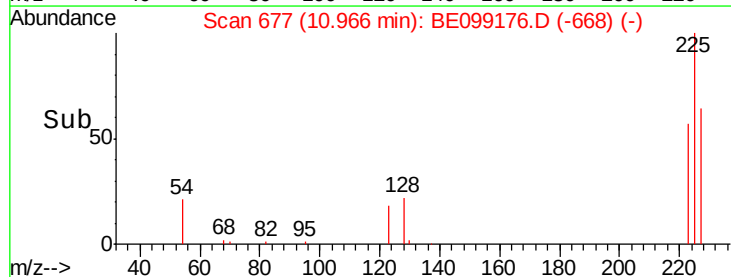
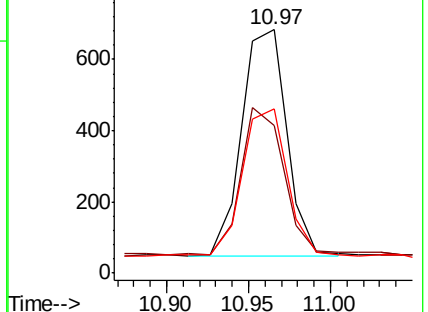
227 64.1 48.6 73.0

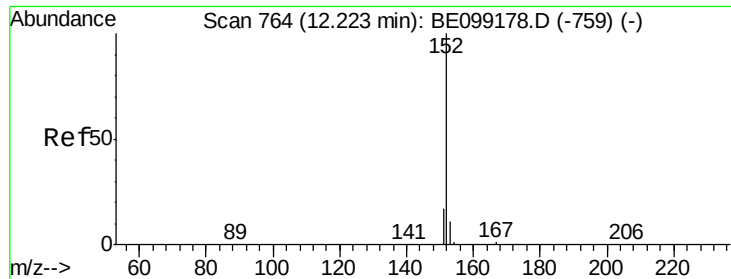


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

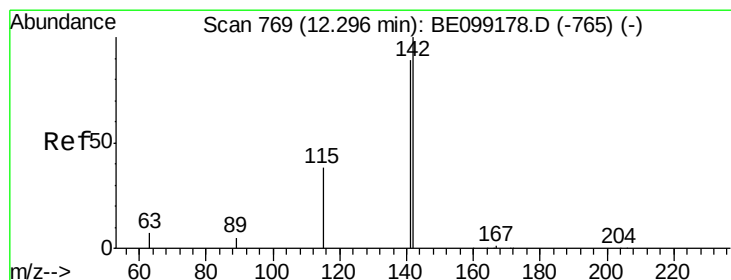
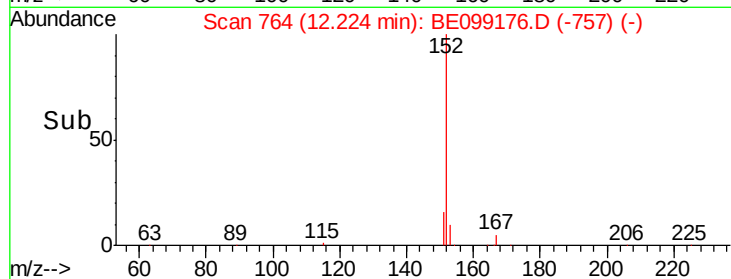
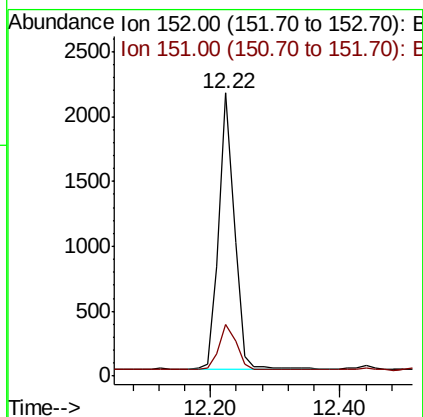
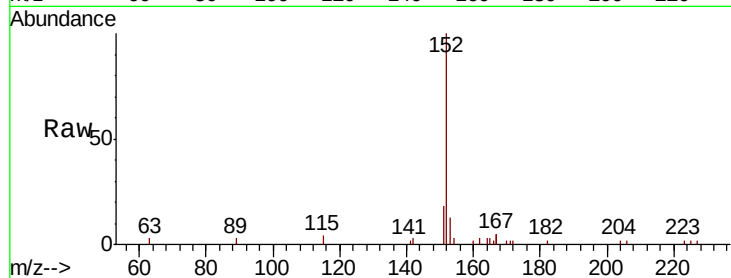




#11
 2-Methylnaphthalene-d10
 Concen: 0.116 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099176.D
 Acq: 25 Mar 2019 10:38

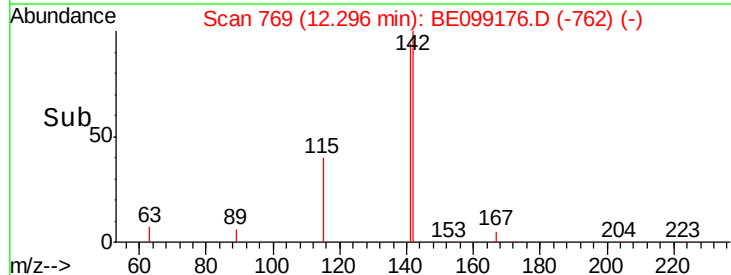
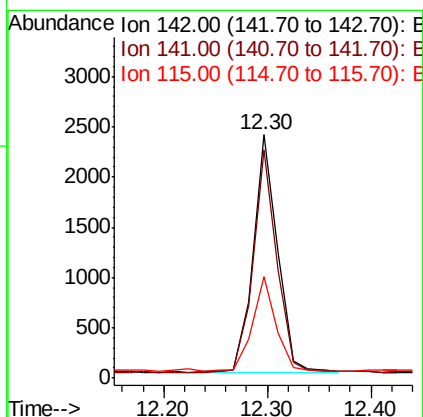
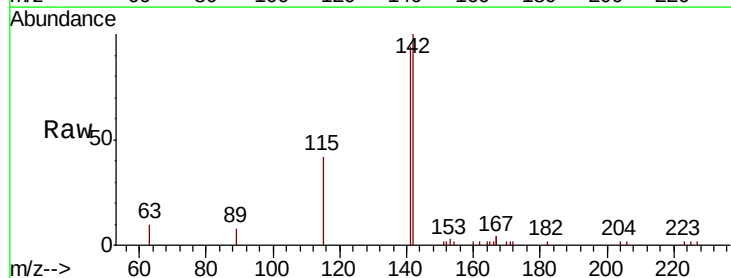
Instrument :
 BNA_E
 ClientSampleId :

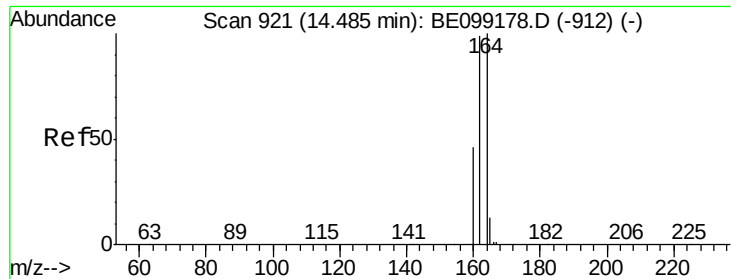
Tot Ion:152 Resp: 3593
 Ion Ratio Lower Upper
 152 100
 151 18.1 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.111 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099176.D
 Acq: 25 Mar 2019 10:38

Tgt Ion:142 Resp: 3864
 Ion Ratio Lower Upper
 142 100
 141 93.8 71.3 106.9
 115 41.6 30.4 45.6

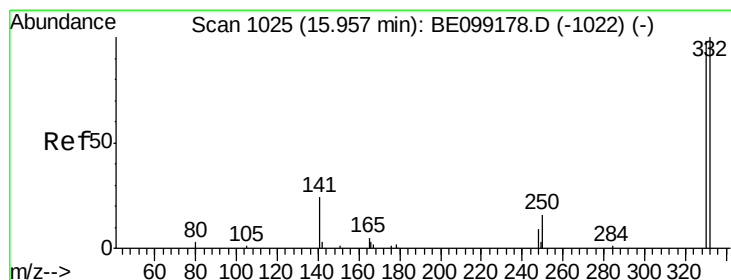
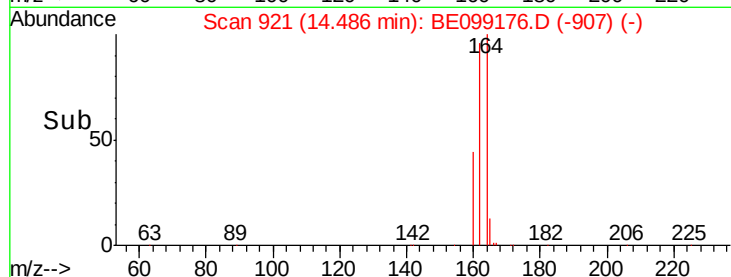
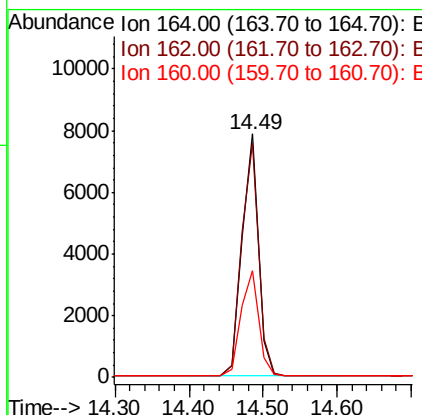
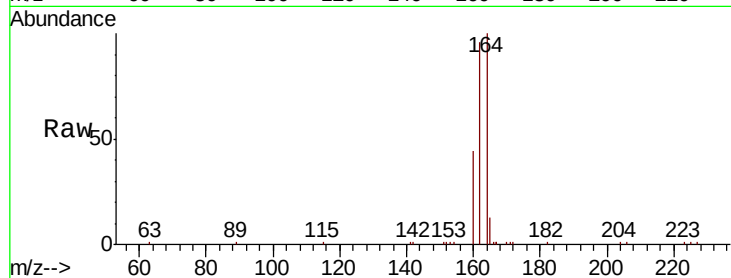




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

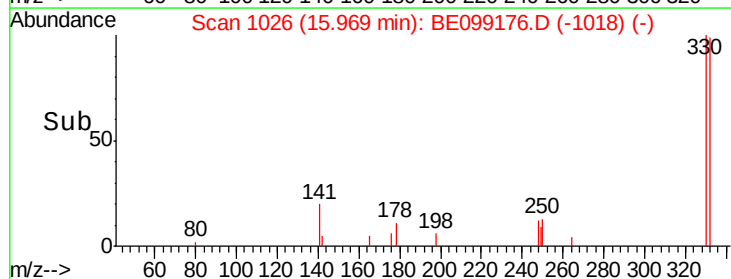
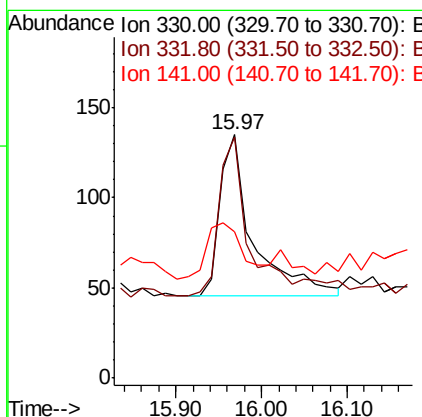
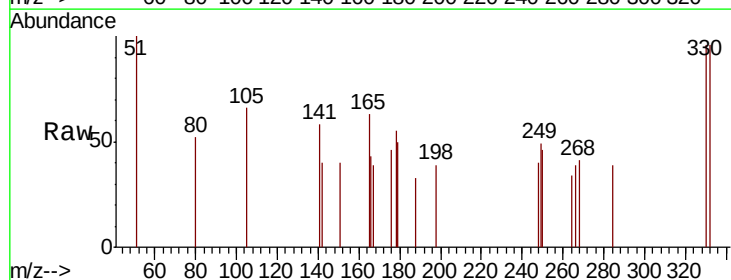
Instrument :
BNA_E
ClientSampleId :

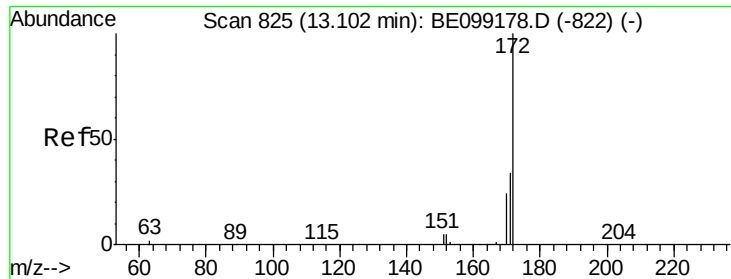
Tot Ion:164 Resp: 12060
Ion Ratio Lower Upper
164 100
162 96.5 79.2 118.8
160 43.9 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.067 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Tgt Ion:330 Resp: 238
Ion Ratio Lower Upper
330 100
332 97.1 71.3 106.9
141 37.0 21.7 32.5#

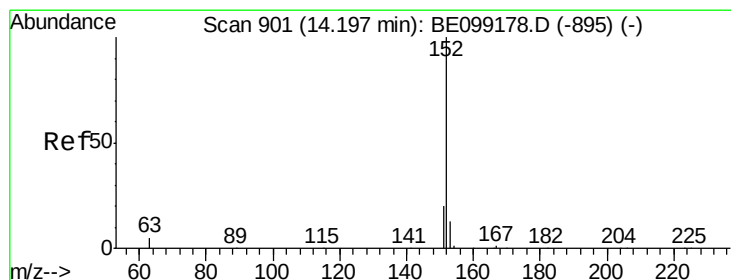
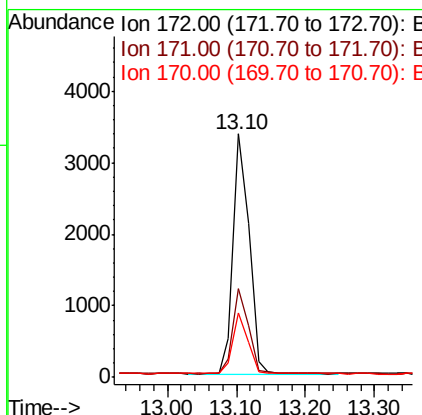
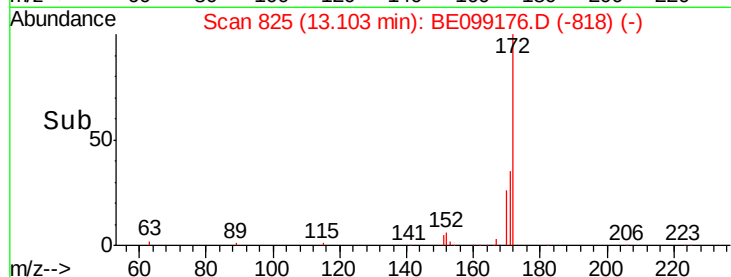
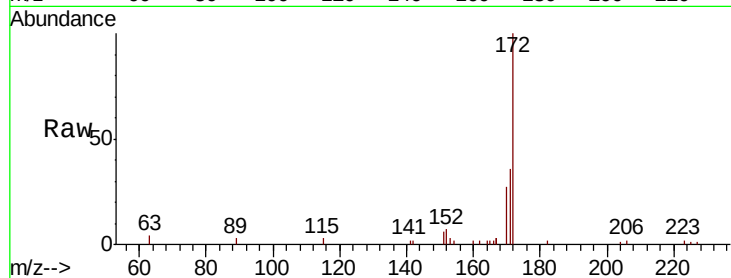




#15
2-Fluorobiphenyl
Concen: 0.113 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

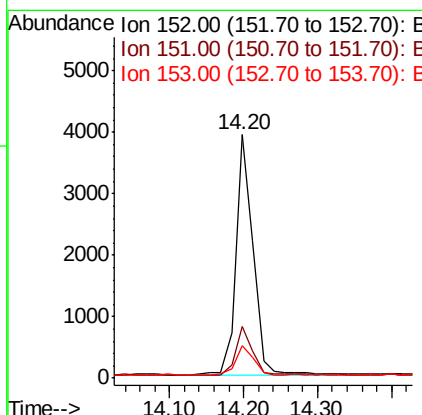
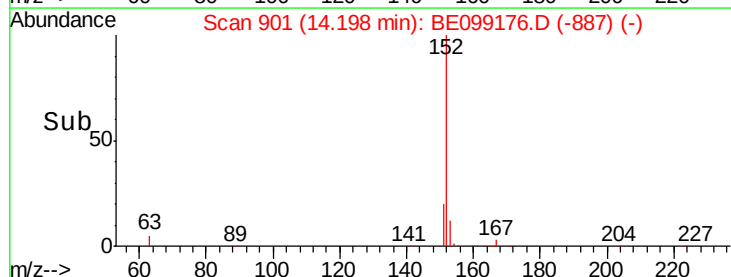
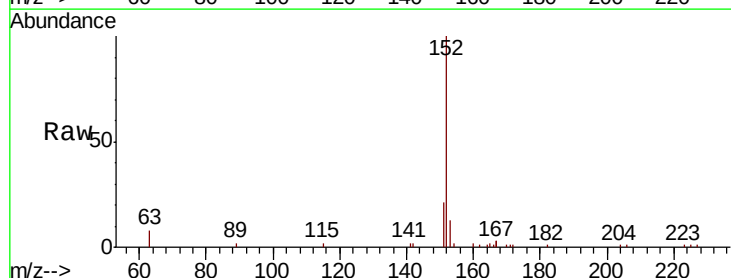
Instrument :
BNA_E
ClientSampleId :

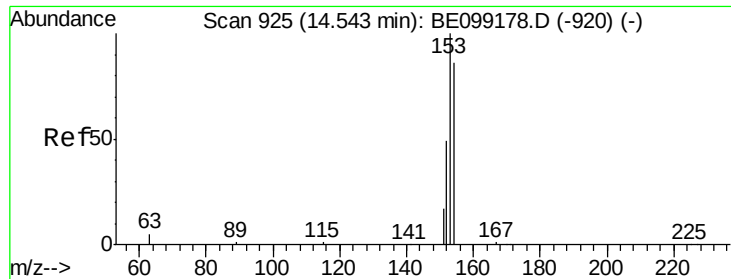
Tot Ion:172 Resp: 5425
Ion Ratio Lower Upper
172 100
171 36.4 27.4 41.0
170 26.7 19.1 28.7



#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Tgt Ion:152 Resp: 6289
Ion Ratio Lower Upper
152 100
151 20.9 15.7 23.5
153 12.9 10.6 15.8

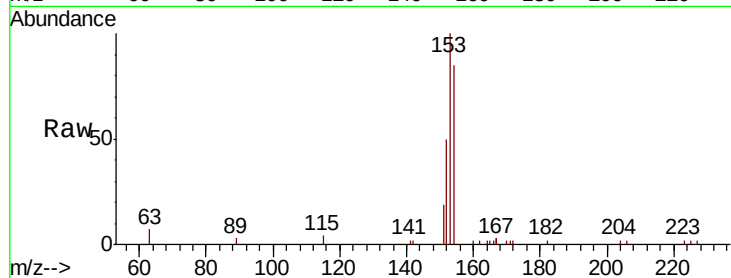




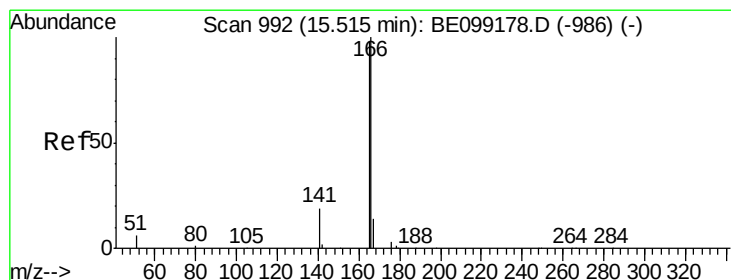
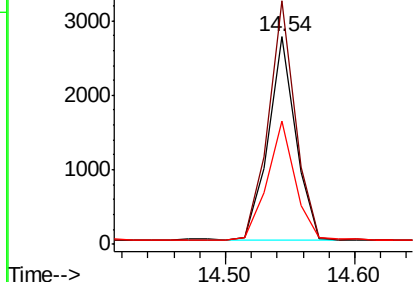
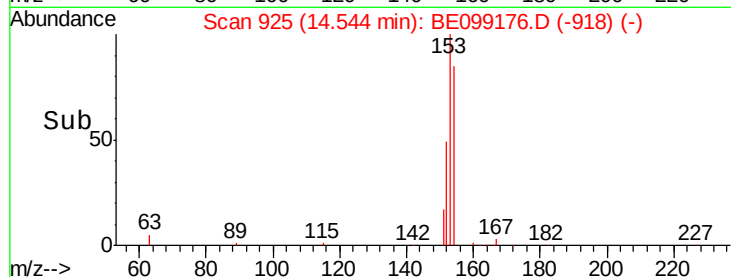
#17
Acenaphthene
Concen: 0.105 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4009
Ion Ratio Lower Upper
154 100
153 116.0 93.4 140.0
152 59.0 46.6 69.8

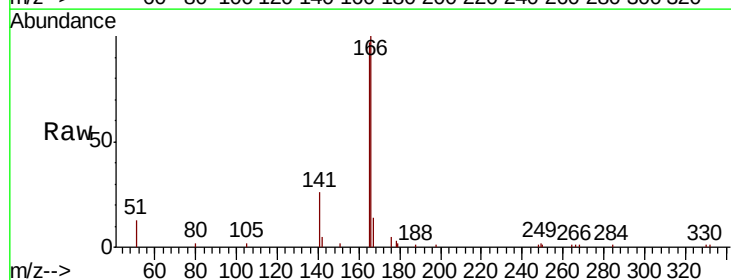


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

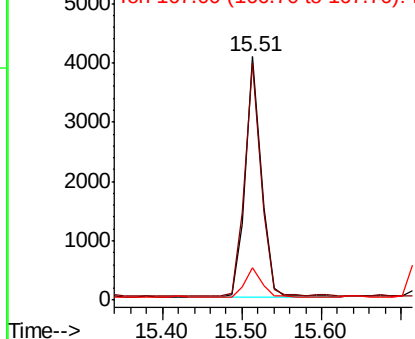
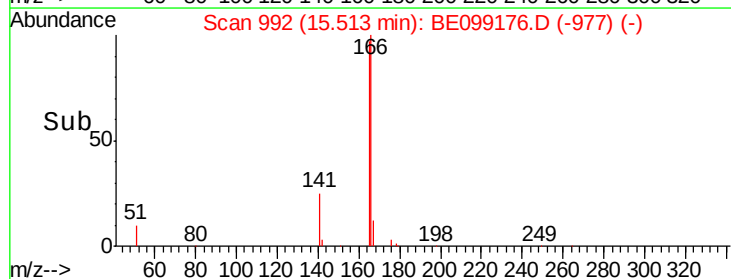


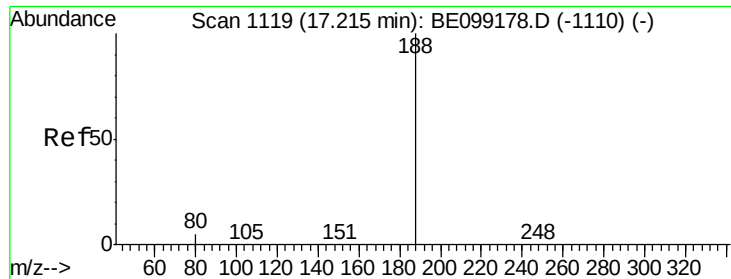
#18
Fluorene
Concen: 0.102 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Tgt Ion:166 Resp: 5698
Ion Ratio Lower Upper
166 100
165 98.3 78.9 118.3
167 12.9 10.9 16.3



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

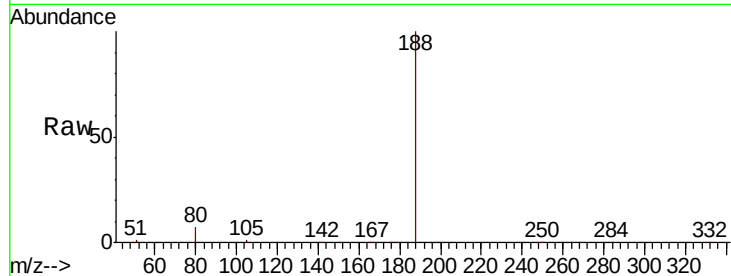
Tot Ion:188 Resp: 32366

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

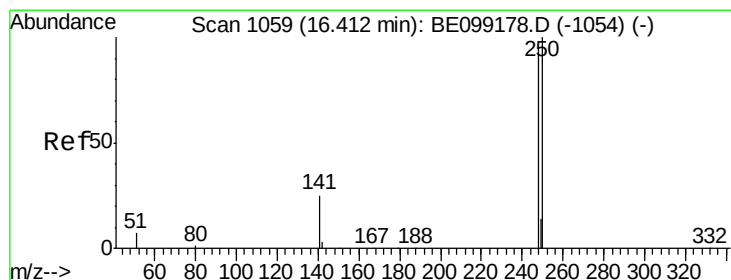
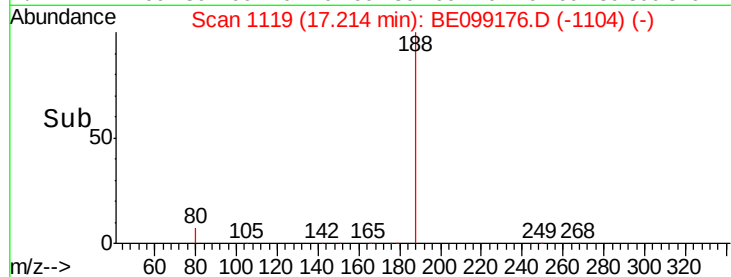
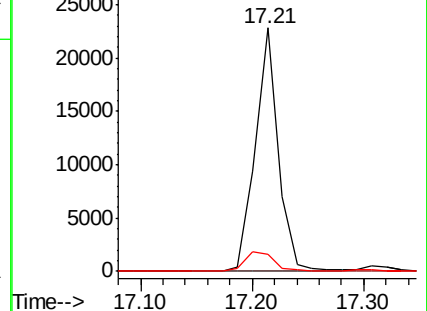
80 7.2 4.5 6.7#



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: 0.122 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

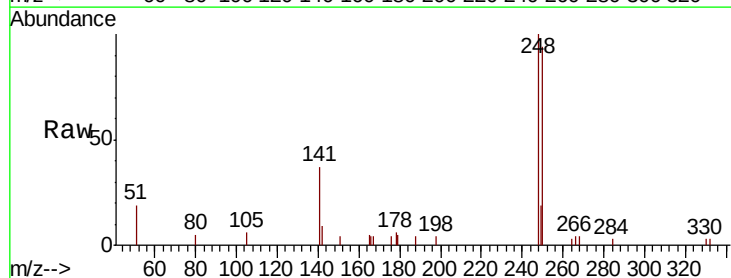
Tgt Ion:248 Resp: 2186

Ion Ratio Lower Upper

248 100

250 94.3 84.2 126.2

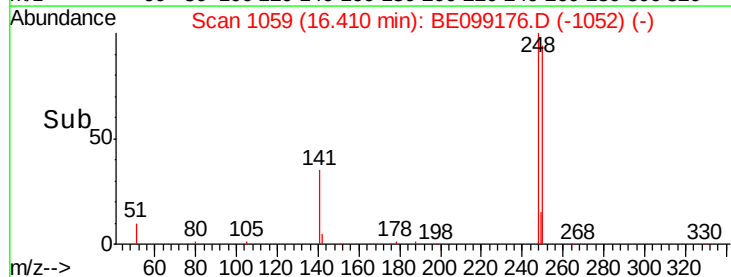
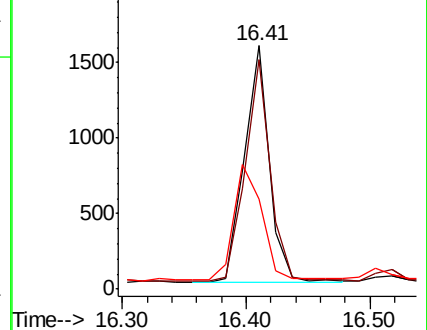
141 36.9 21.8 32.6#

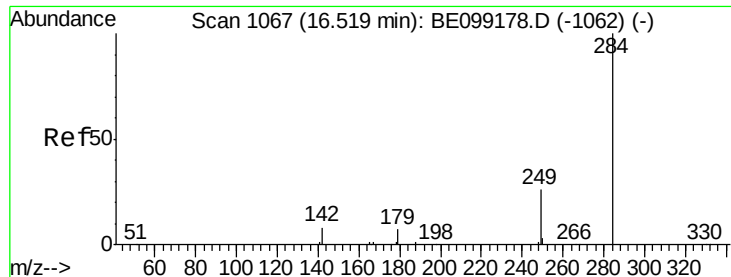


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.131 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

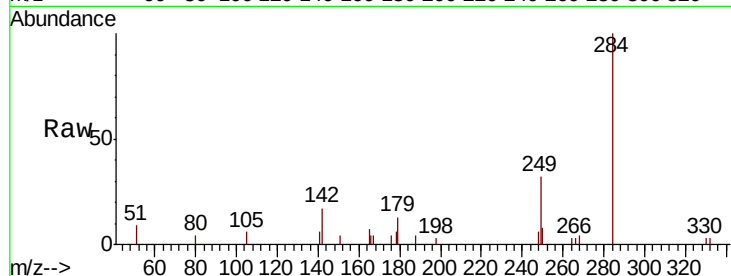
Tot Ion:284 Resp: 2185

Ion Ratio Lower Upper

284 100

142 29.2 22.7 34.1

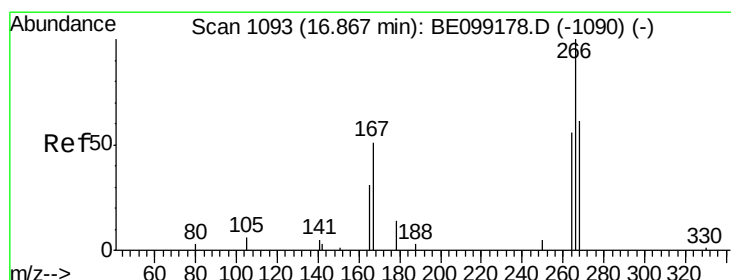
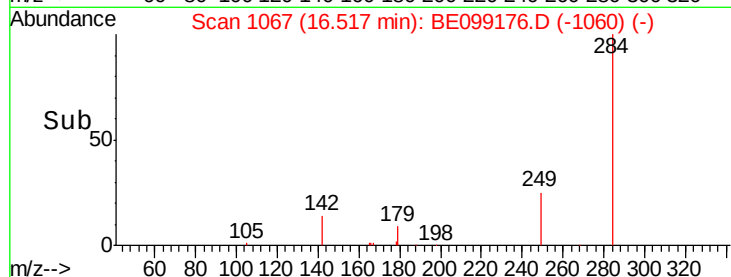
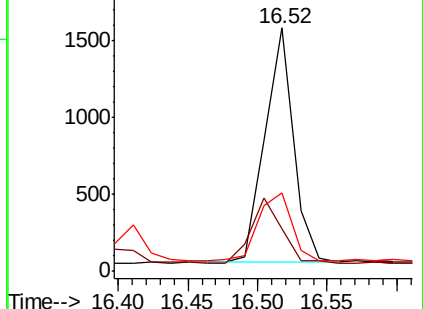
249 32.8 26.9 40.3



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: 0.263 ng

RT: 16.88 min Scan# 1094

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

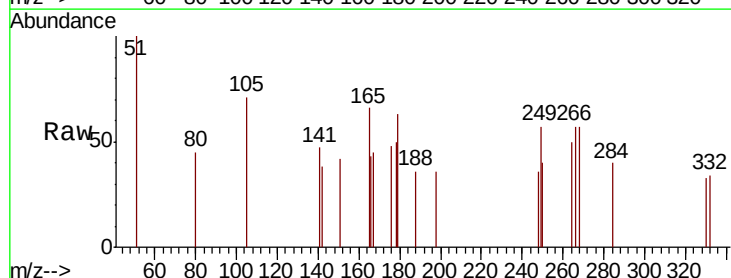
Tgt Ion:266 Resp: 80

Ion Ratio Lower Upper

266 100

264 88.9 54.4 81.6#

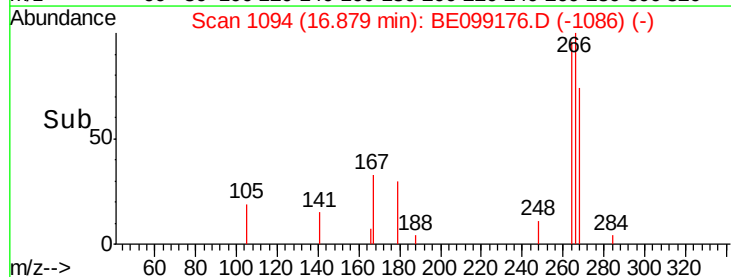
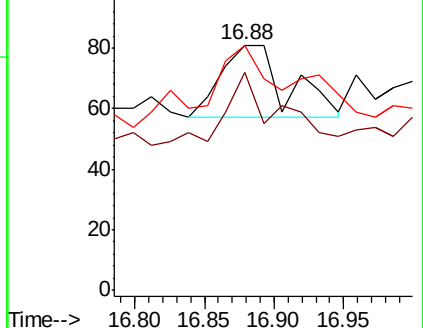
268 100.0 61.3 91.9#

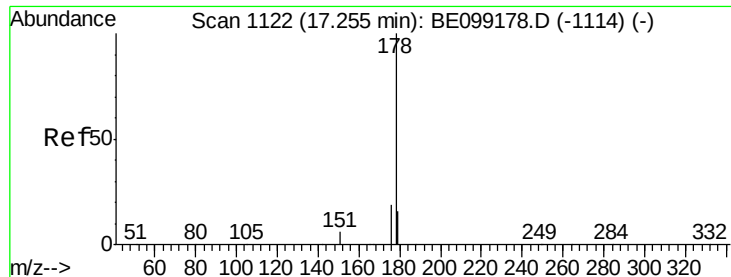


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

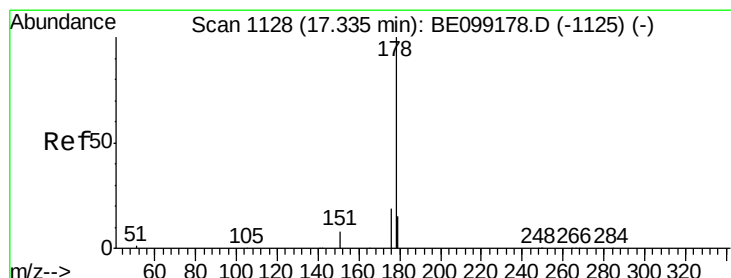
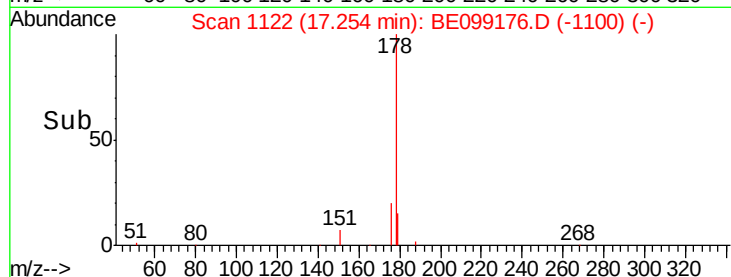
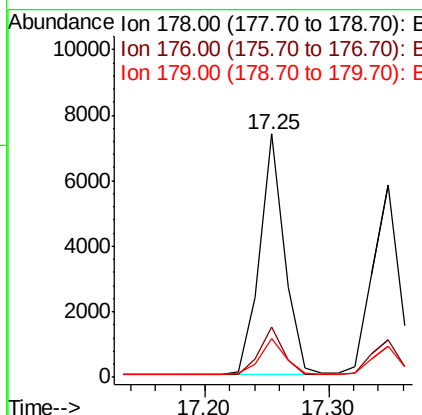
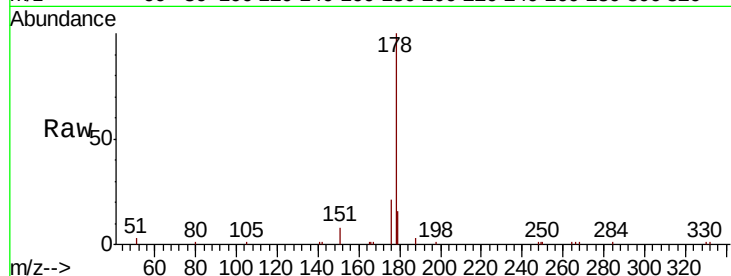




#23
Phenanthrene
Concen: 0.107 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

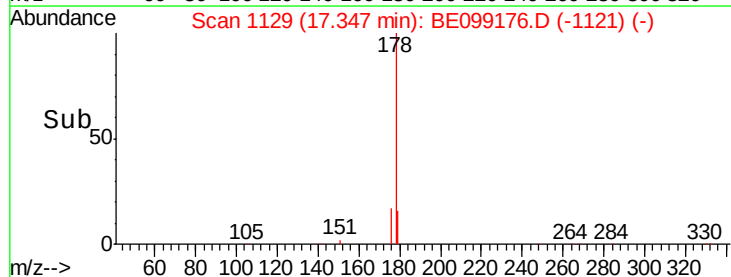
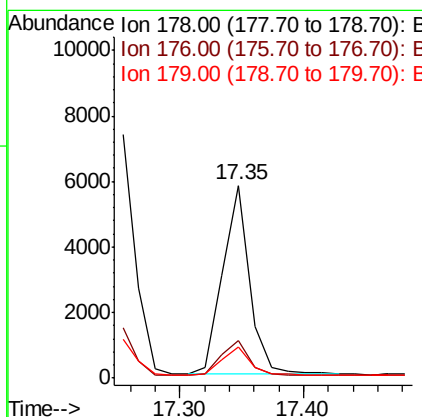
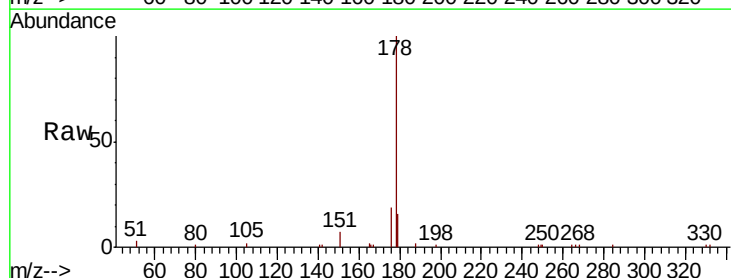
Instrument :
BNA_E
ClientSampleId :

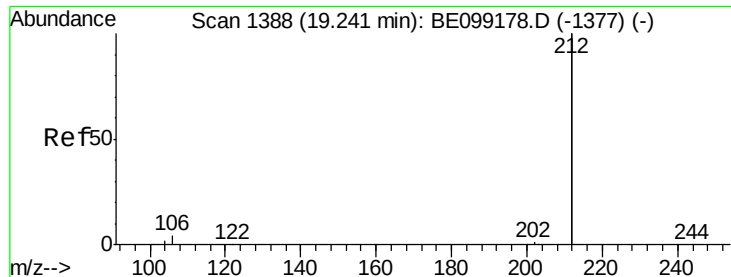
Tot Ion:178 Resp: 10256
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.8 12.3 18.5



#24
Anthracene
Concen: 0.096 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Tgt Ion:178 Resp: 8705
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.3 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.091 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

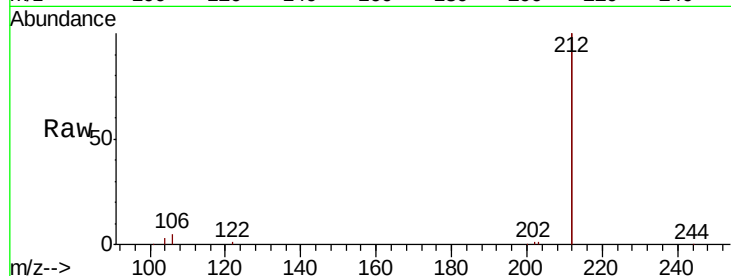
Tot Ion:212 Resp: 39231

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

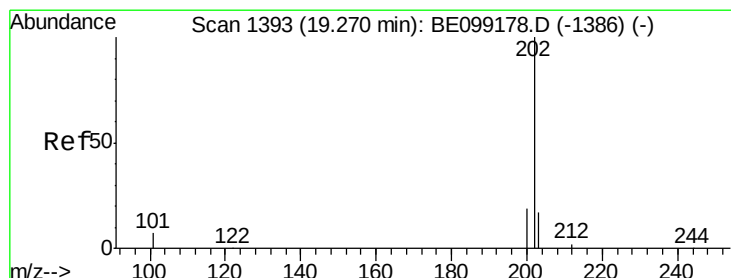
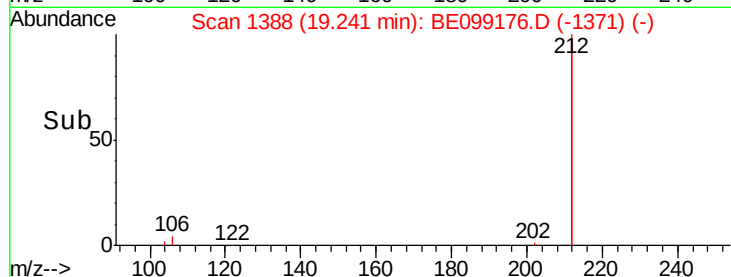
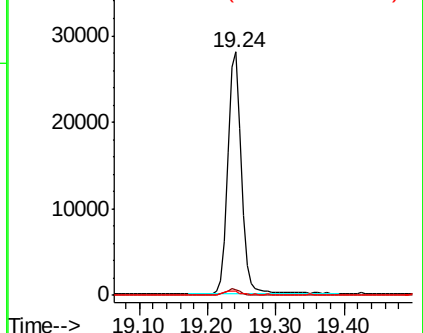
104 1.4 1.1 1.7



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: 0.094 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

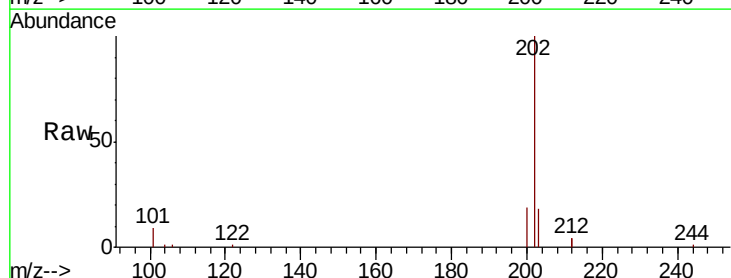
Tgt Ion:202 Resp: 12661

Ion Ratio Lower Upper

202 100

101 8.3 7.0 10.4

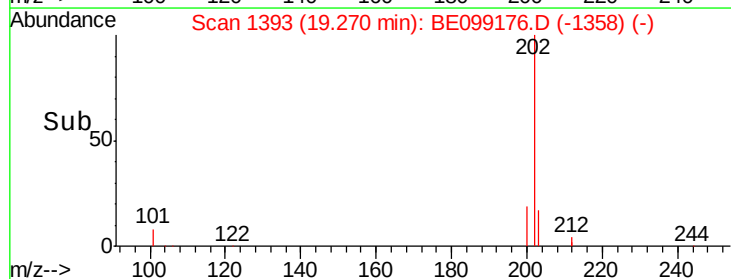
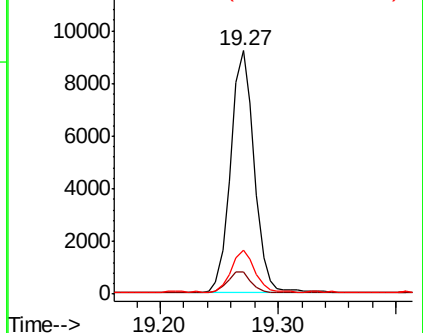
203 17.1 13.8 20.6

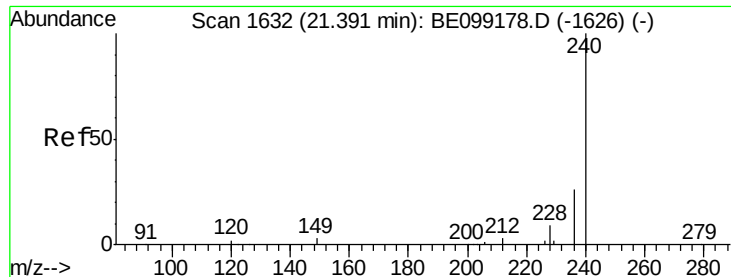


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

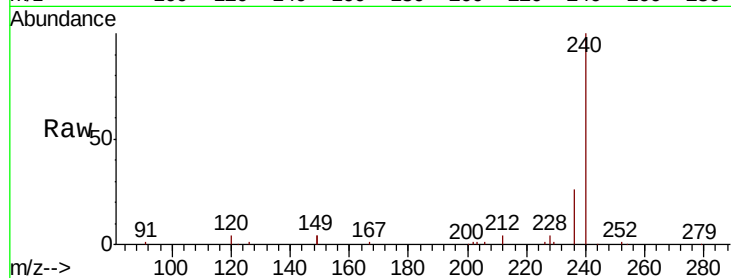
Tot Ion:240 Resp: 35543

Ion Ratio Lower Upper

240 100

120 3.9 2.6 3.8#

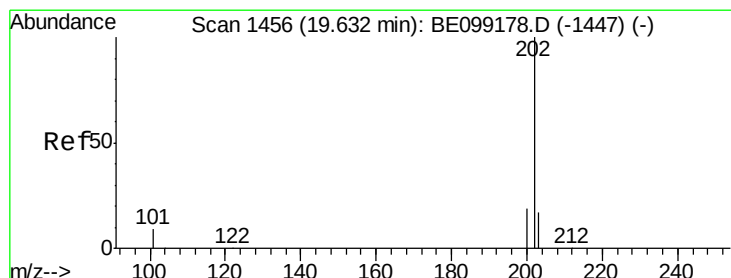
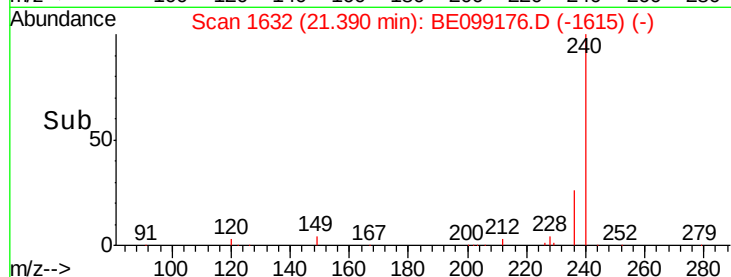
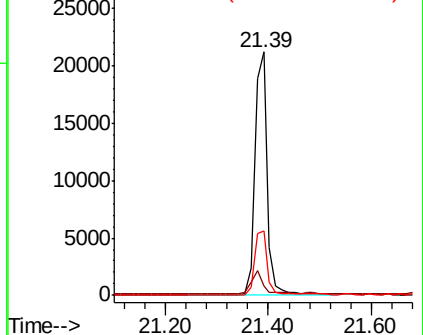
236 26.3 20.9 31.3



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: 0.109 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

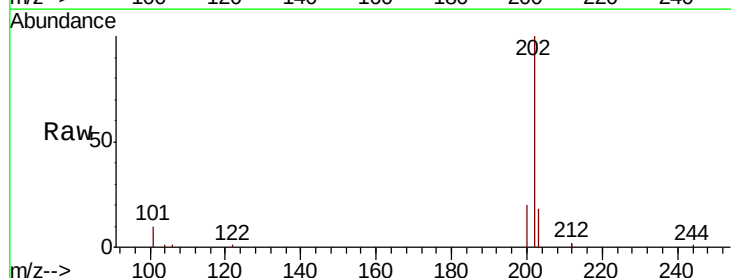
Tgt Ion:202 Resp: 13169

Ion Ratio Lower Upper

202 100

200 19.2 15.8 23.8

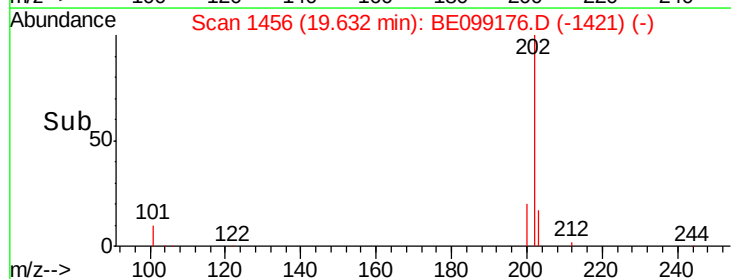
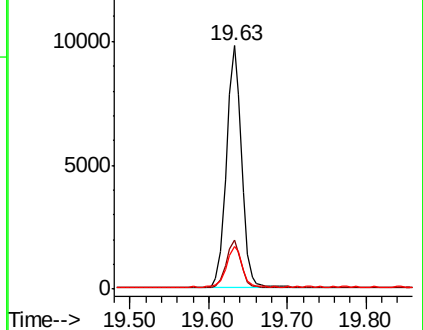
203 17.5 14.1 21.1

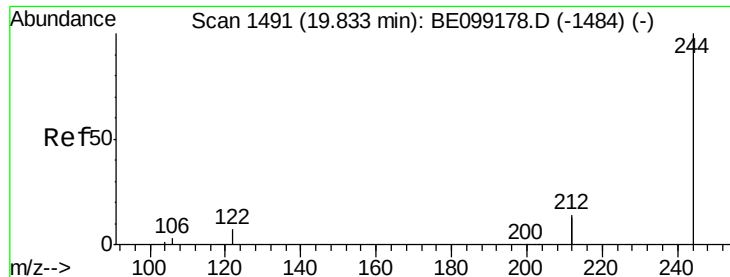


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.106 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

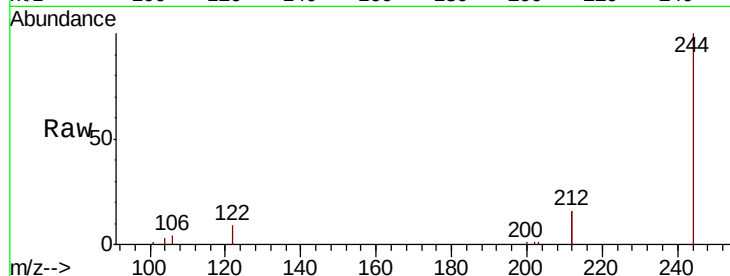
Tot Ion:244 Resp: 7985

Ion Ratio Lower Upper

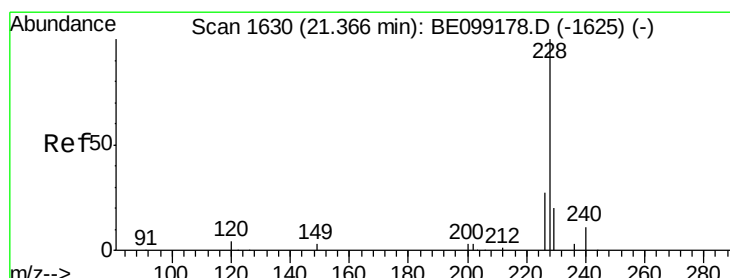
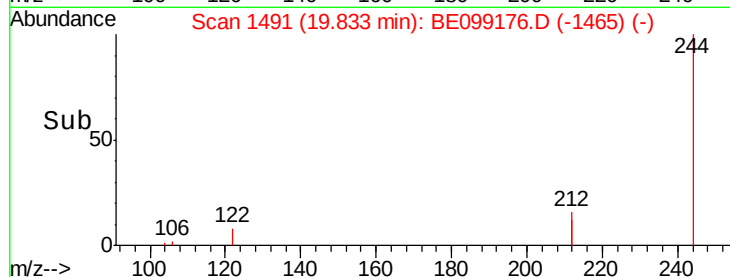
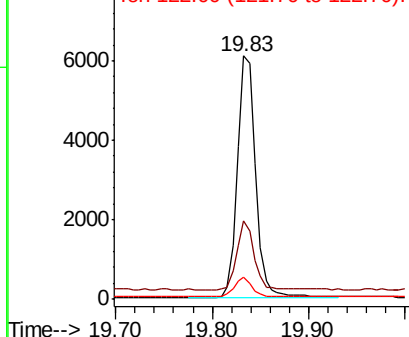
244 100

212 32.0 22.7 34.1

122 9.0 5.8 8.6#



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: 0.102 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

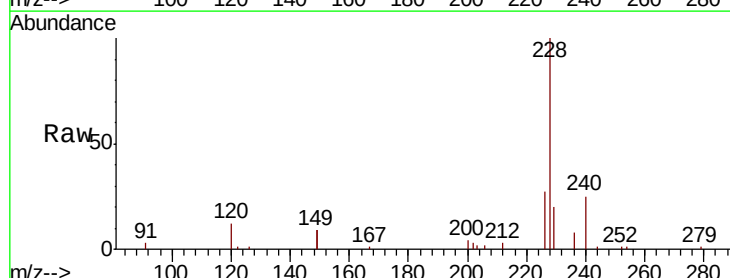
Tgt Ion:228 Resp: 12757

Ion Ratio Lower Upper

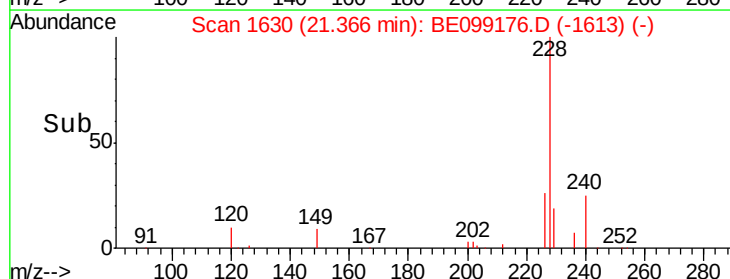
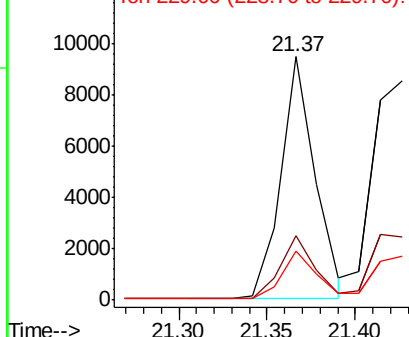
228 100

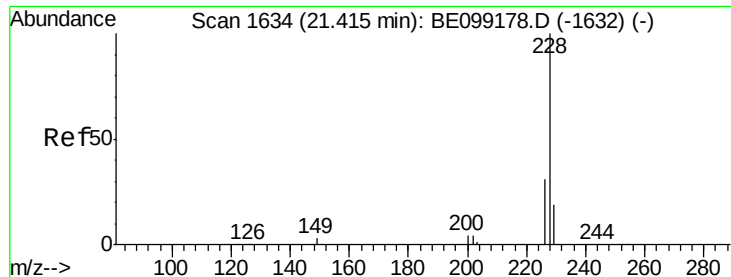
226 26.6 21.7 32.5

229 19.9 15.9 23.9



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: 0.112 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

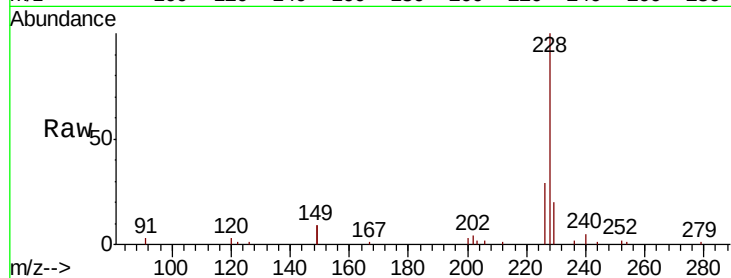
Tot Ion:228 Resp: 13959

Ion Ratio Lower Upper

228 100

226 28.7 24.8 37.2

229 20.2 15.4 23.0

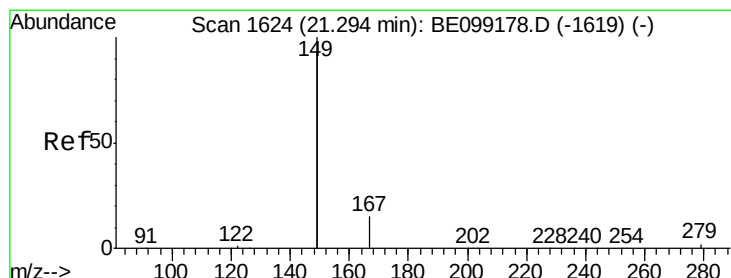
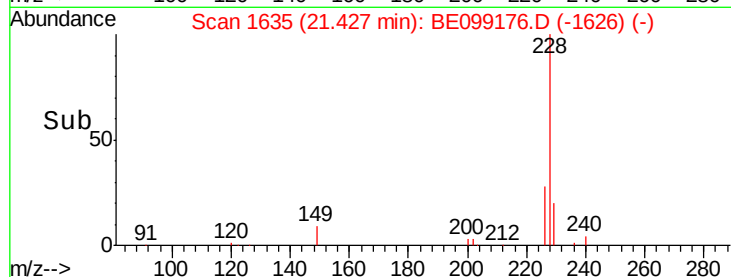
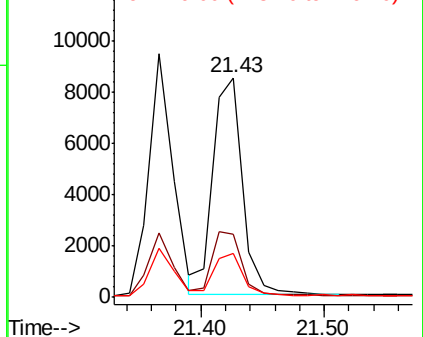


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.105 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

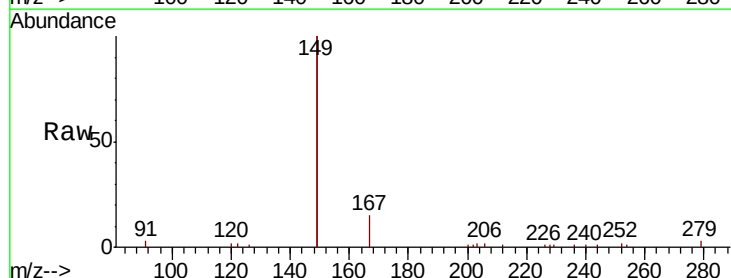
Tgt Ion:149 Resp: 17056

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

279 1.2 1.0 1.6

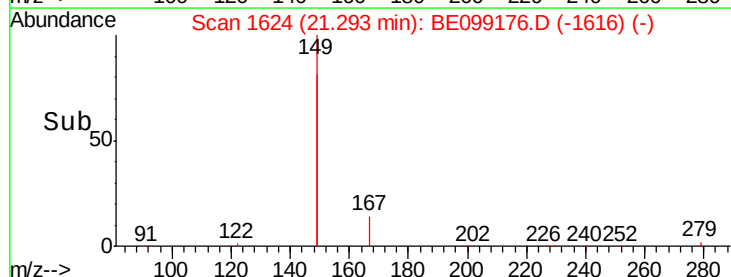
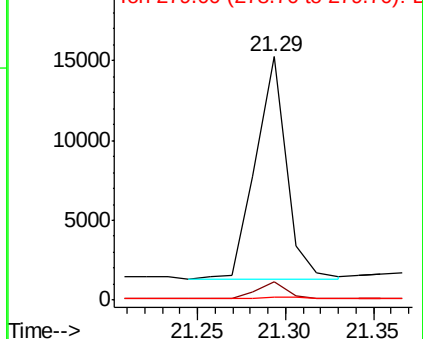


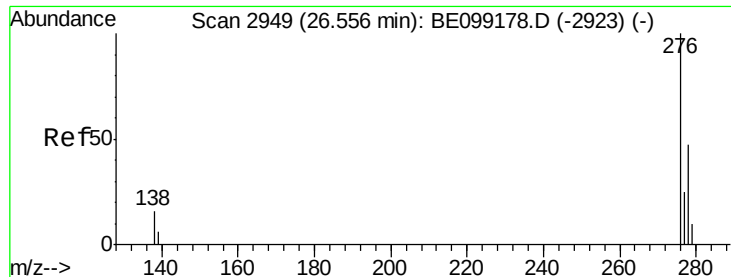
Abundance

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

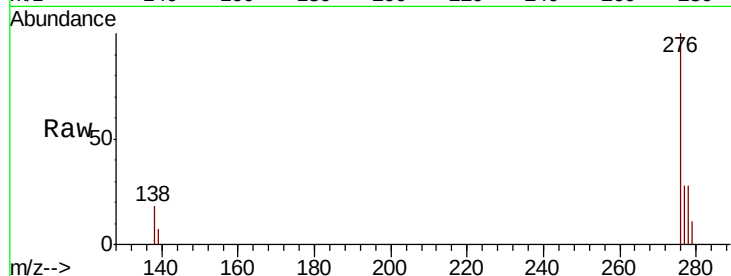




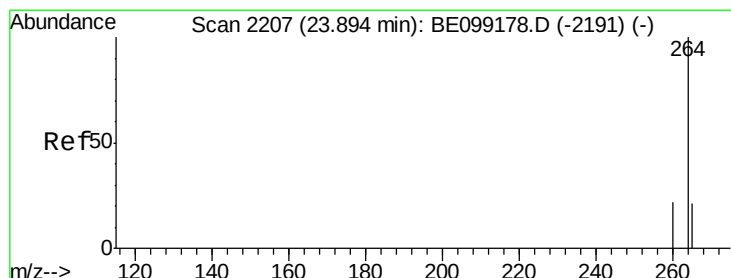
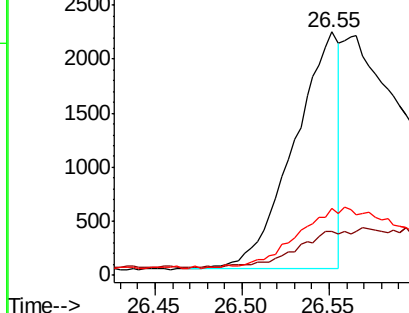
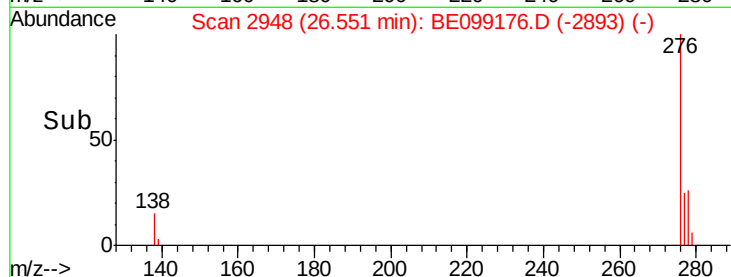
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.029 ng
RT: 26.55 min Scan# 2948
Delta R.T. -0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 3927
Ion Ratio Lower Upper
276 100
138 14.9 12.9 19.3
277 66.8 18.3 27.5#

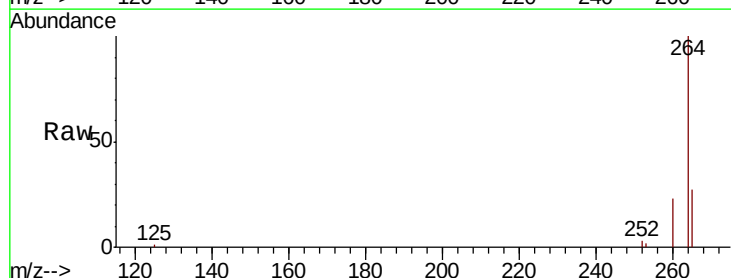


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

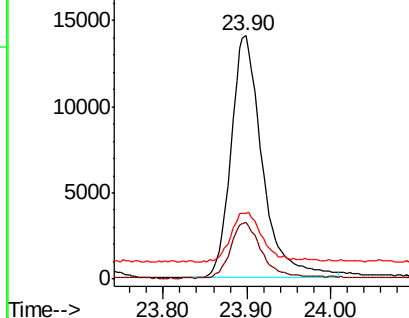
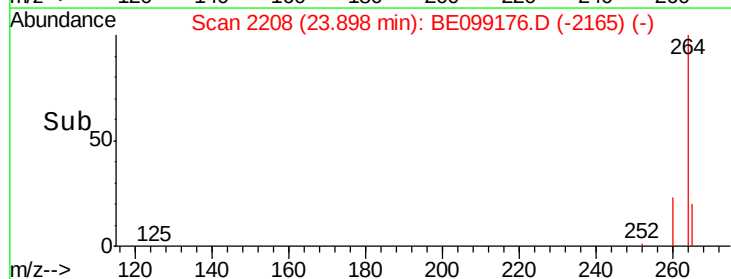


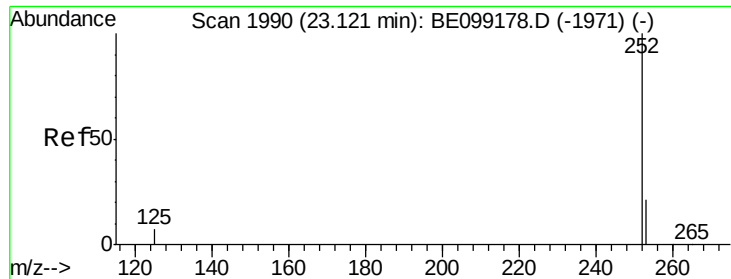
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BE099176.D
Acq: 25 Mar 2019 10:38

Tgt Ion:264 Resp: 36518
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.2
265 27.2 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.101 ng

RT: 23.12 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

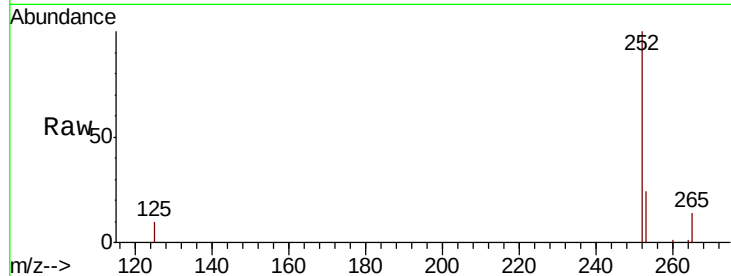
Tot Ion:252 Resp: 12782

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

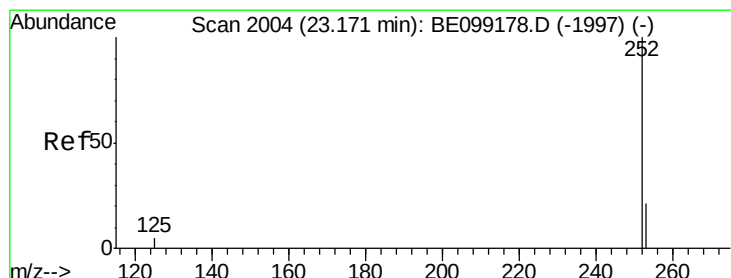
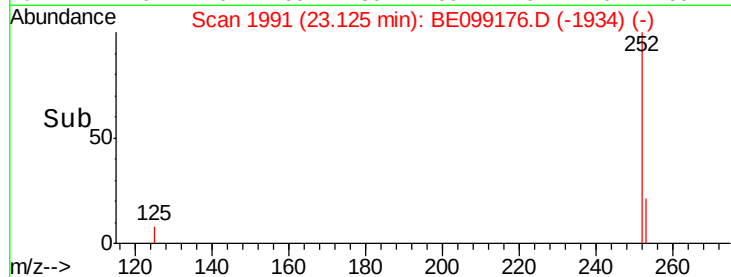
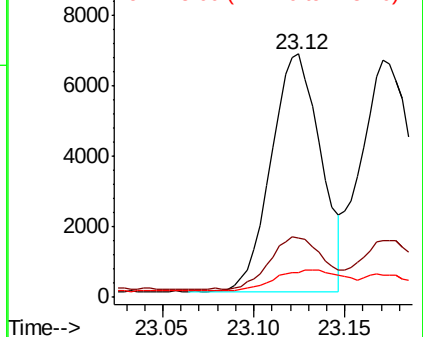
125 10.2 6.1 9.1#



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: 0.109 ng

RT: 23.17 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

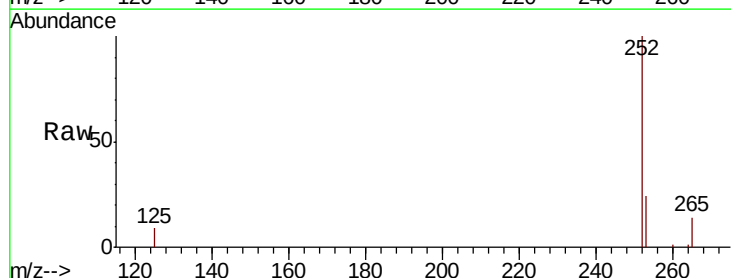
Tgt Ion:252 Resp: 13437

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

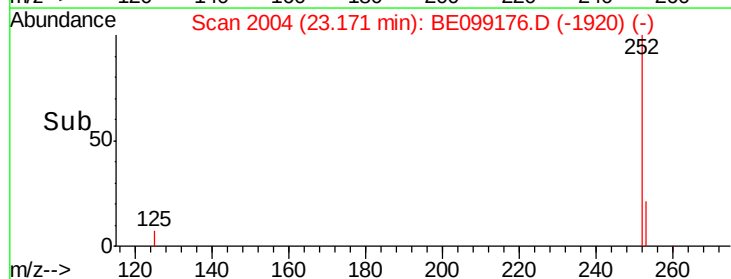
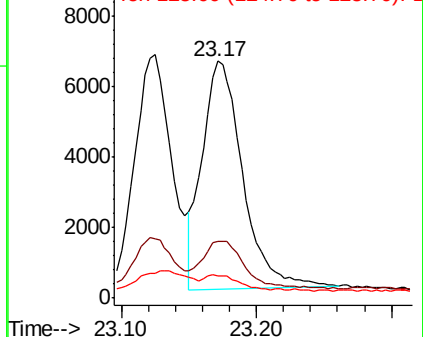
125 9.2 5.9 8.9#

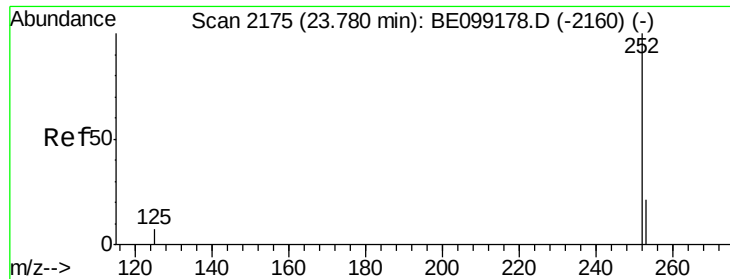


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.101 ng

RT: 23.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

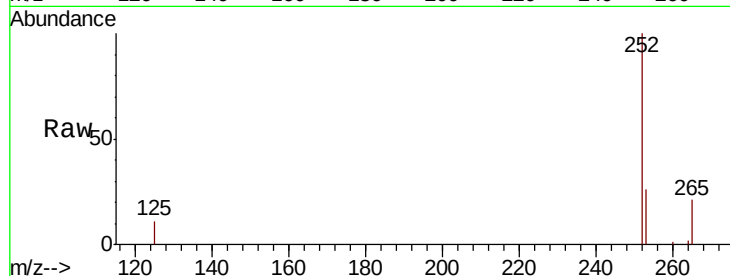
Tot Ion:252 Resp: 11756

Ion Ratio Lower Upper

252 100

253 26.0 18.1 27.1

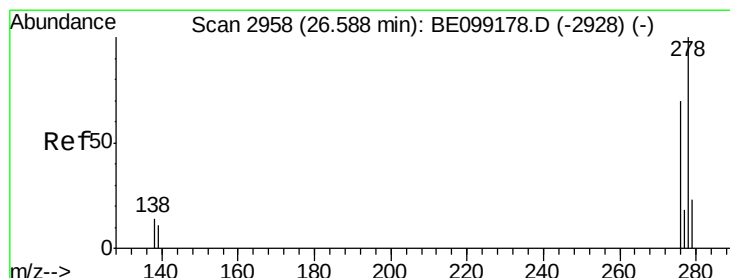
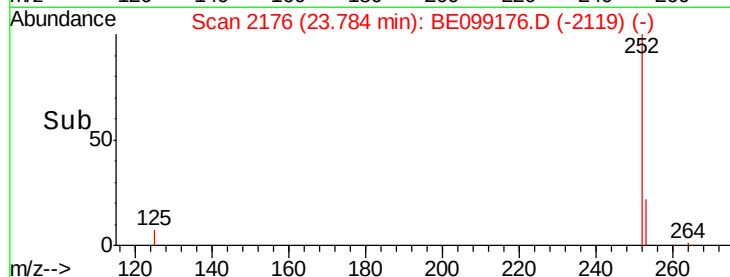
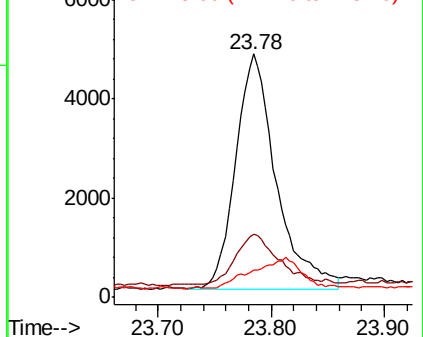
125 11.0 6.8 10.2#



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: 0.085 ng

RT: 26.59 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

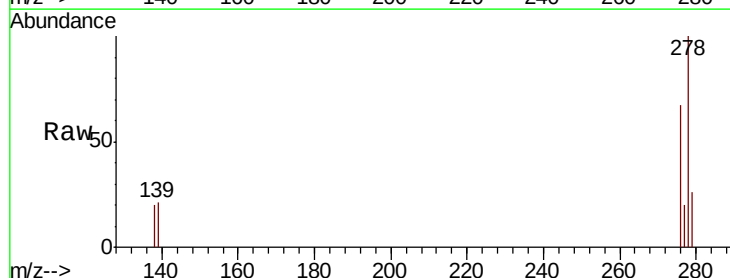
Tgt Ion:278 Resp: 9673

Ion Ratio Lower Upper

278 100

139 20.7 9.5 14.3#

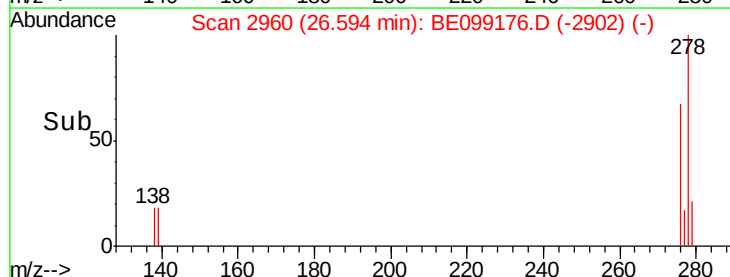
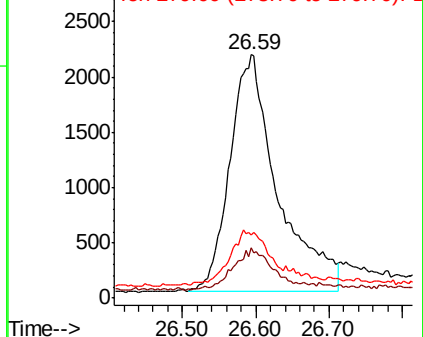
279 26.2 19.1 28.7

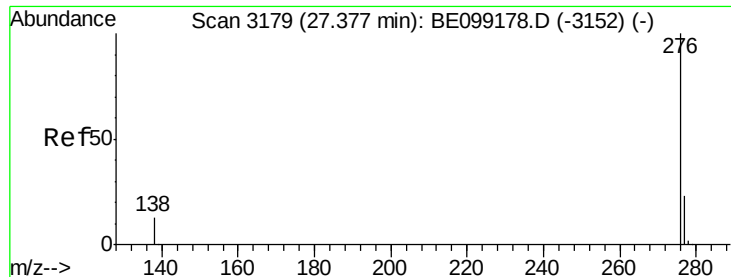


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.090 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA_E

ClientSampleId :

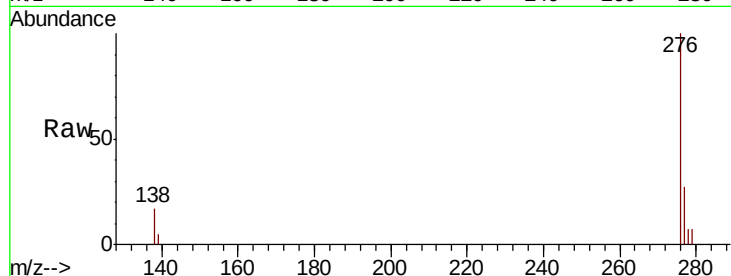
Tot Ion:276 Resp: 10548

Ion Ratio Lower Upper

276 100

277 27.1 19.0 28.4

138 17.1 11.1 16.7



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

