

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061319\
 Data File : BE099986.D
 Acq On : 13 Jun 2019 12:57
 Operator : JU/SJ
 Sample : K3270-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-02MSD

Quant Time: Jun 14 03:23:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	712	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	2470	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	1910	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	6868	0.40	ng	0.00
27) Chrysene-d12	21.39	240	10393	0.40	ng	-0.01
34) Perylene-d12	23.92	264	11988	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	283	0.15	ng	0.00
5) Phenol-d6	6.96	99	250	0.10	ng	0.00
8) Nitrobenzene-d5	8.96	82	872	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	2264	0.53	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	443	0.31	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	2846	0.39	ng	-0.01
25) Fluoranthene-d10	19.24	212	33890	0.34	ng	-0.01
29) Terphenyl-d14	19.84	244	10205	0.55	ng	-0.01

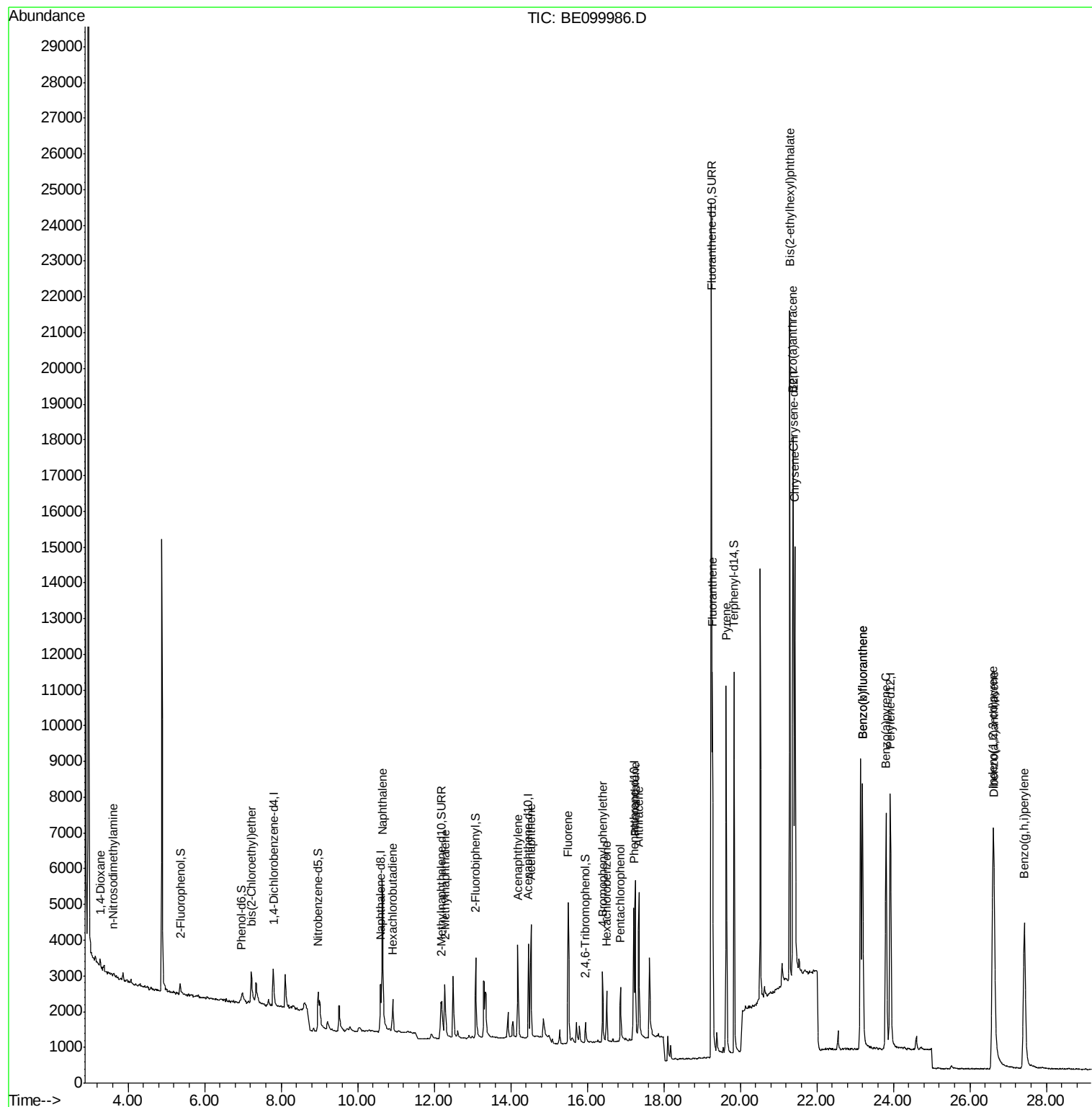
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	225	0.214	ng	# 83
3) n-Nitrosodimethylamine	3.61	42	79	0.130	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	547	0.271	ng	81
9) Naphthalene	10.64	128	9662	0.362	ng	100
10) Hexachlorobutadiene	10.91	225	677	0.333	ng	98
12) 2-Methylnaphthalene	12.28	142	1515	0.350	ng	98
16) Acenaphthylene	14.18	152	3222	0.339	ng	99
17) Acenaphthene	14.53	154	1767	0.341	ng	98
18) Fluorene	15.50	166	2798	0.360	ng	97
20) 4-Bromophenyl-phenylether	16.40	248	1229	0.316	ng	# 94
21) Hexachlorobenzene	16.50	284	1283	0.323	ng	99
22) Pentachlorophenol	16.87	266	1067	0.857	ng	# 83
23) Phenanthrene	17.25	178	5670	0.340	ng	100
24) Anthracene	17.35	178	5464	0.358	ng	98
26) Fluoranthene	19.28	202	10062	0.355	ng	99
28) Pyrene	19.64	202	10906	0.399	ng	99
30) Benzo(a)anthracene	21.38	228	12231	0.394	ng	99
31) Chrysene	21.43	228	12386	0.386	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	19445	0.436	ng	100
33) Indeno(1,2,3-cd)pyrene	26.60	276	13886	0.365	ng	99
35) Benzo(b)fluoranthene	23.19	252	12767	0.380	ng	97
36) Benzo(k)fluoranthene	23.19	252	12767	0.363	ng	97
37) Benzo(a)pyrene	23.81	252	12213	0.369	ng	# 91
38) Dibenzo(a,h)anthracene	26.63	278	10794	0.324	ng	97
39) Benzo(g,h,i)perylene	27.42	276	12010	0.349	ng	98

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

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Instrument :
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GW-02MSD

Quant Time: Jun 14 03:23:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration



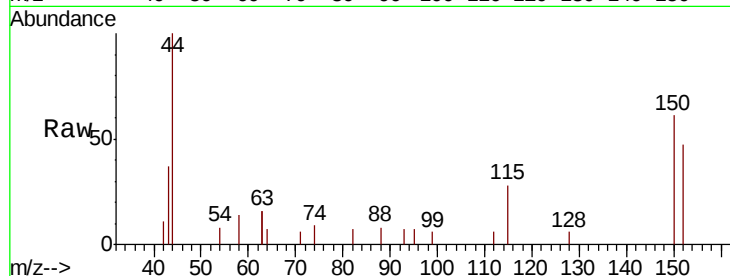


#1

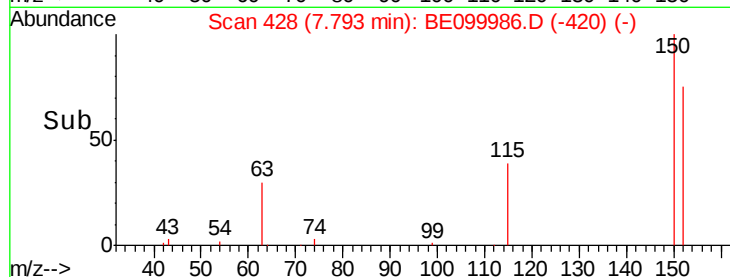
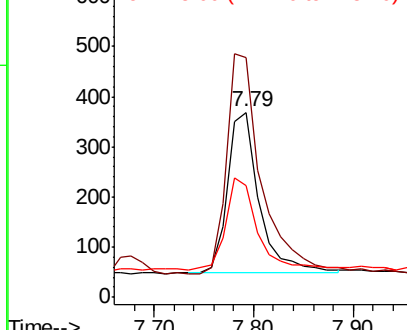
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Instrument :
BNA_E
ClientSampleId :
GW-02MSD

Tgt Ion: 152 Resp: 712
Ion Ratio Lower Upper
152 100
150 129.8 111.0 166.6
115 60.2 50.7 76.1



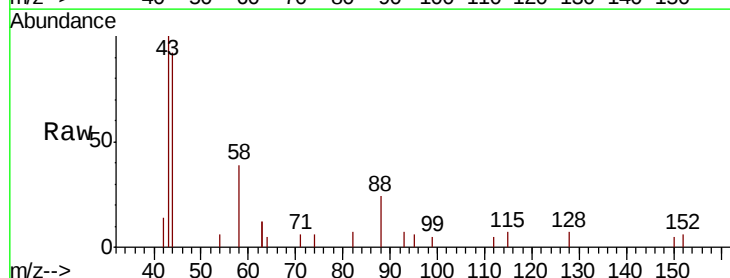
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



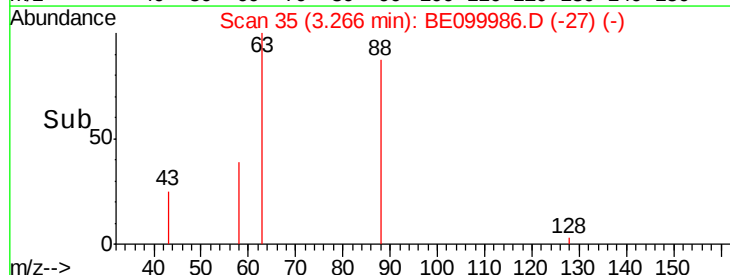
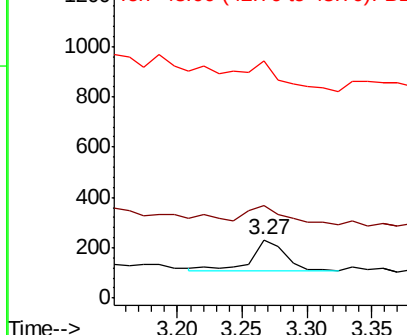
#2

1,4-Dioxane
Concen: 0.214 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
58 64.9 48.8 73.2
43 0.0 19.0 28.6#



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: 0.130 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

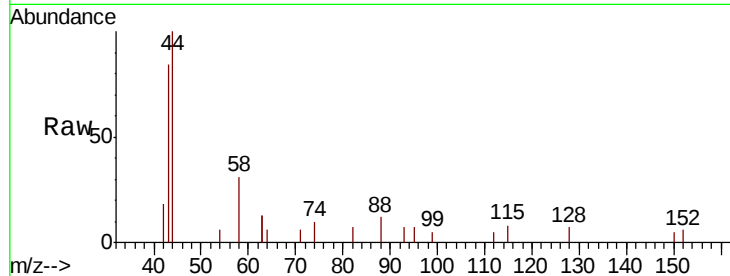
Tgt Ion: 42 Resp: 79

Ion Ratio Lower Upper

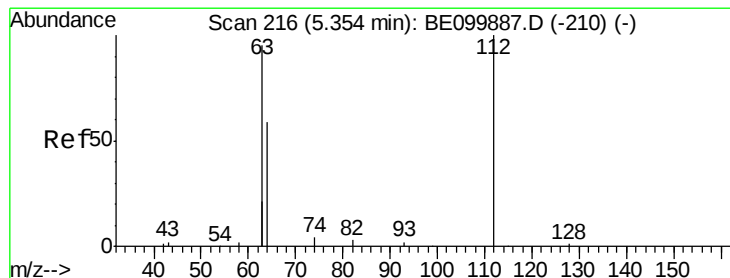
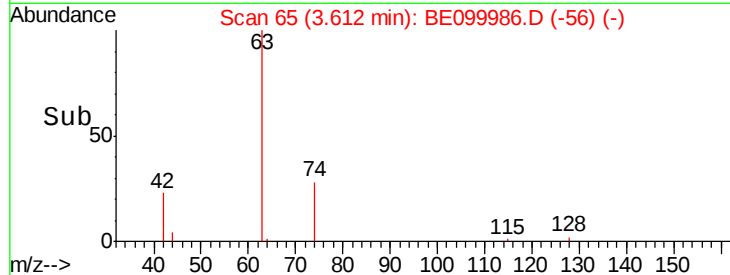
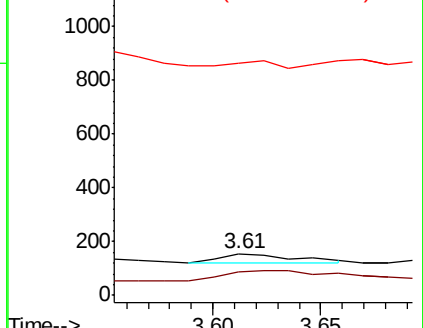
42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



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



#4

2-Fluorophenol

Concen: 0.147 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

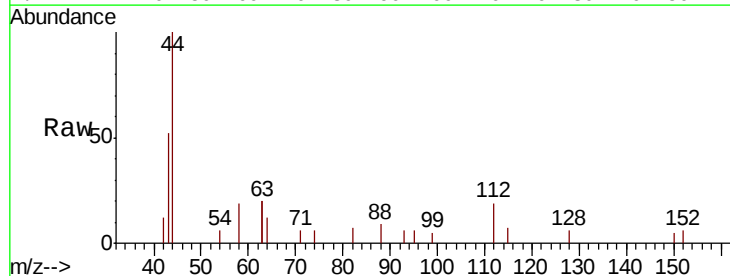
Tgt Ion: 112 Resp: 283

Ion Ratio Lower Upper

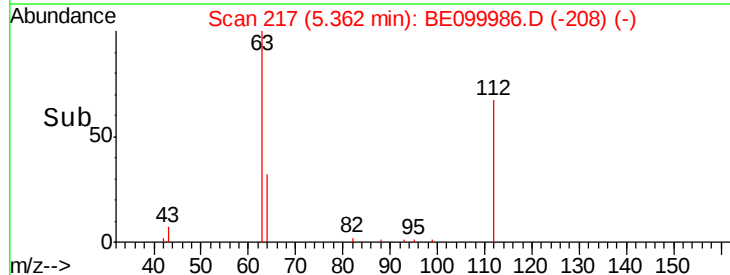
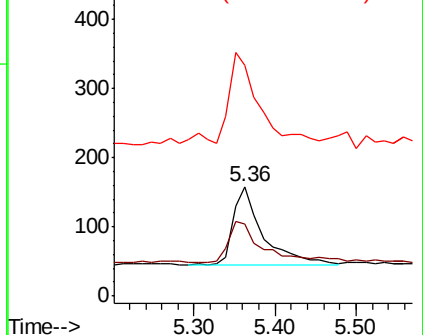
112 100

64 61.1 44.1 66.1

63 122.6 87.8 131.6



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: 0.101 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

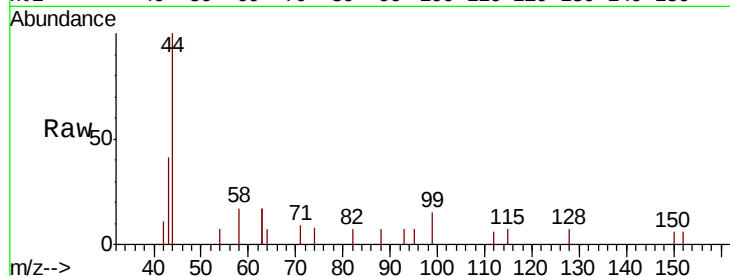
Tgt Ion: 99 Resp: 250

Ion Ratio Lower Upper

99 100

42 0.0 15.9 23.9#

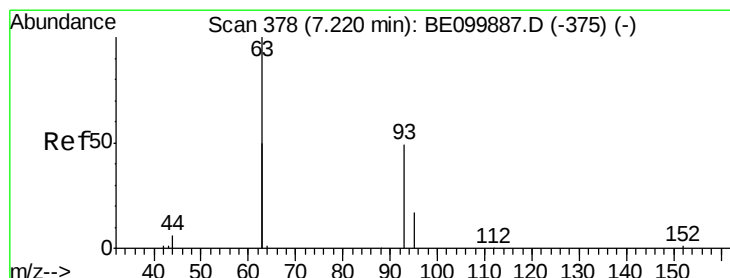
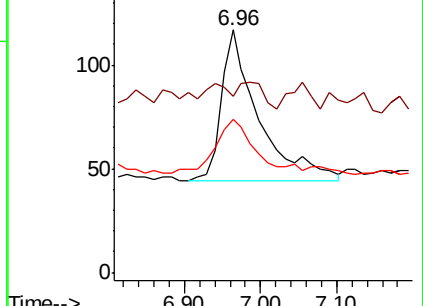
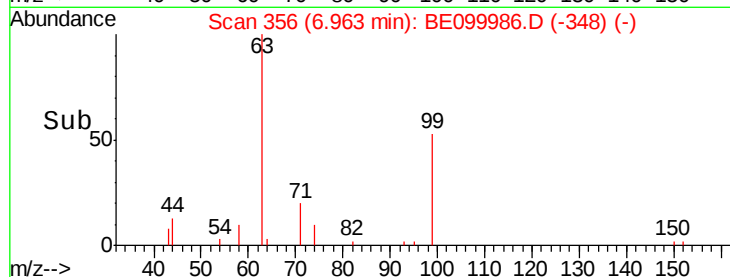
71 36.4 34.6 52.0



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: 0.271 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

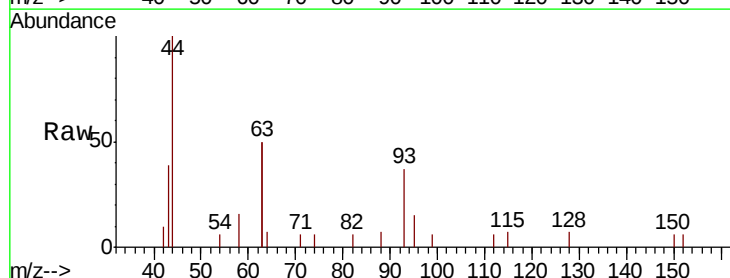
Tgt Ion: 93 Resp: 547

Ion Ratio Lower Upper

93 100

63 288.3 202.8 304.2

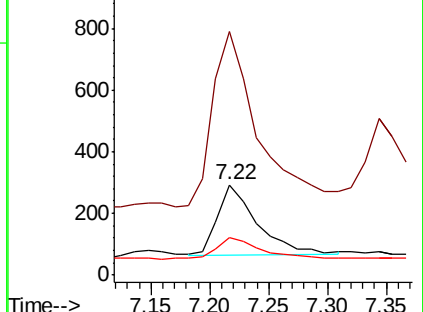
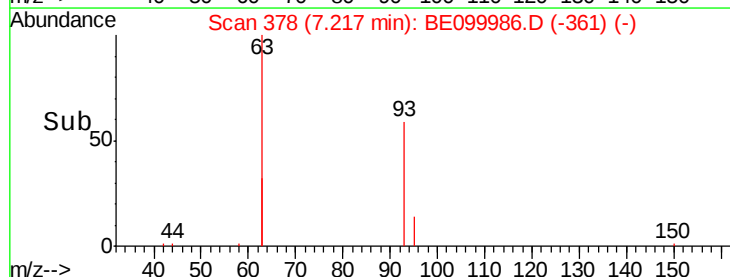
95 34.9 23.7 35.5



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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

Tgt Ion: 136 Resp: 2470

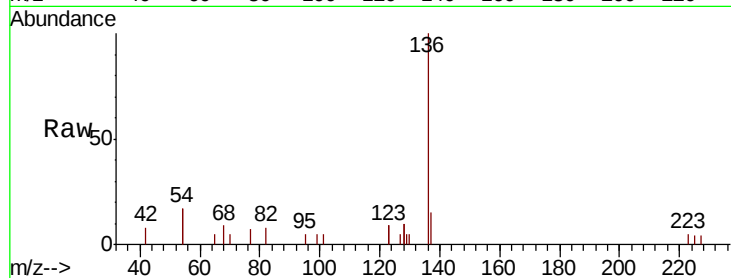
Ion Ratio Lower Upper

136 100

137 15.3 12.3 18.5

54 33.7 28.2 42.4

68 8.8 7.8 11.8

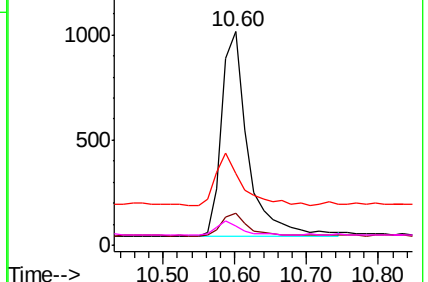
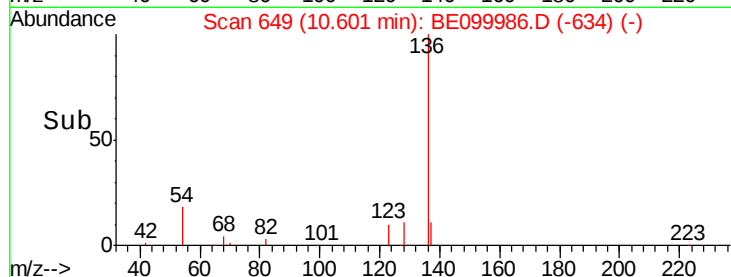


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.373 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

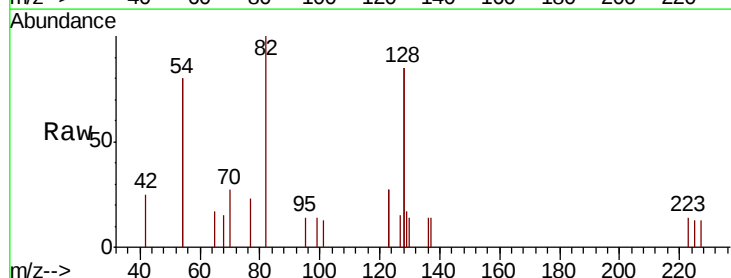
Tgt Ion: 82 Resp: 872

Ion Ratio Lower Upper

82 100

128 169.3 137.3 205.9

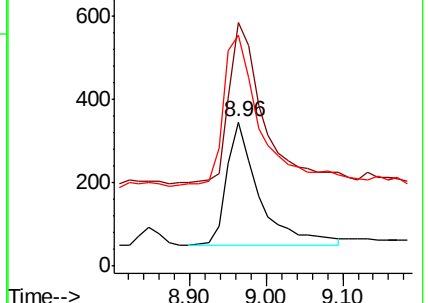
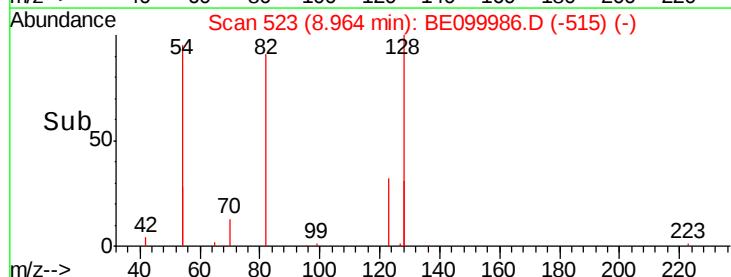
54 160.6 129.7 194.5



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: 0.362 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

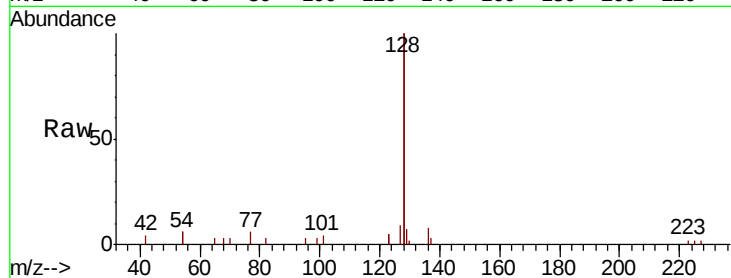
Tgt Ion:128 Resp: 9662

Ion Ratio Lower Upper

128 100

129 3.7 3.0 4.6

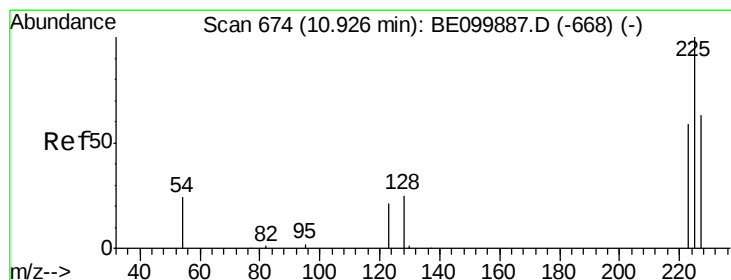
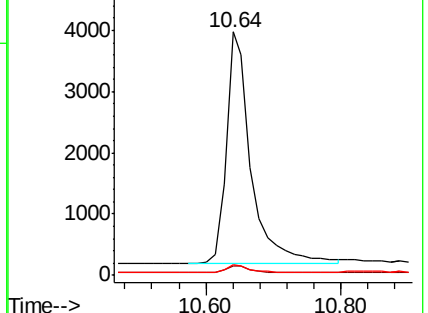
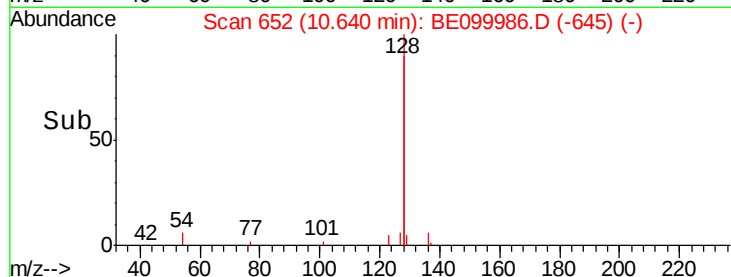
127 4.3 3.4 5.0



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: 0.333 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

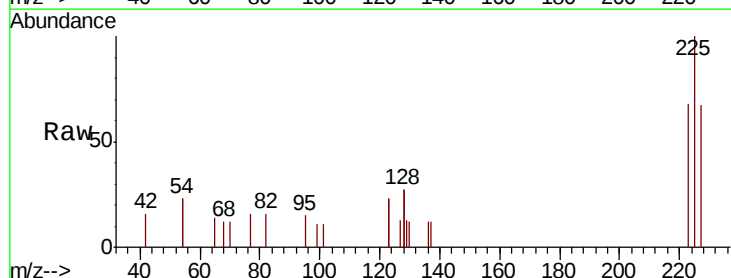
Tgt Ion:225 Resp: 677

Ion Ratio Lower Upper

225 100

223 63.2 51.6 77.4

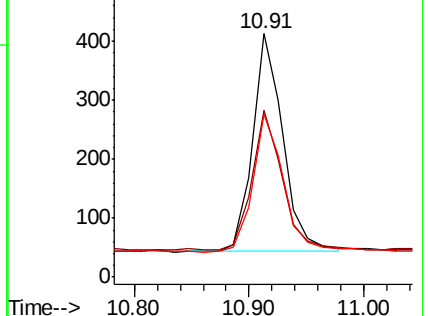
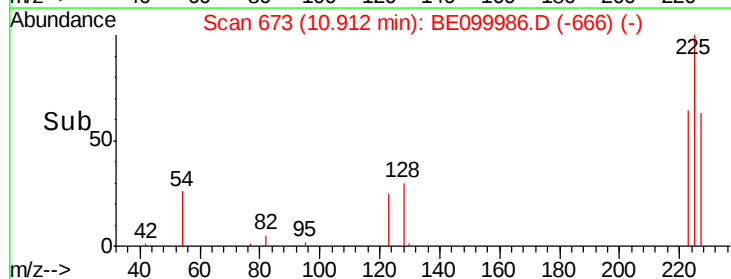
227 64.4 50.6 76.0



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: 0.526 ng

RT: 12.20 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

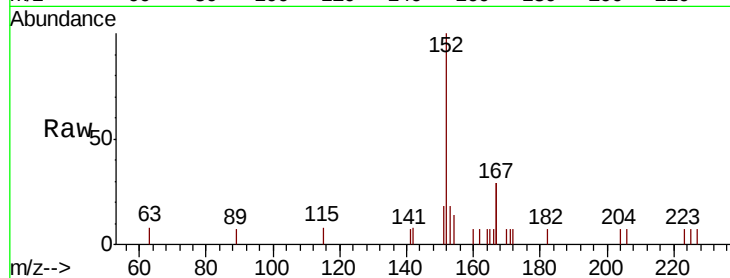
GW-02MSD

Tgt Ion:152 Resp: 2264

Ion Ratio Lower Upper

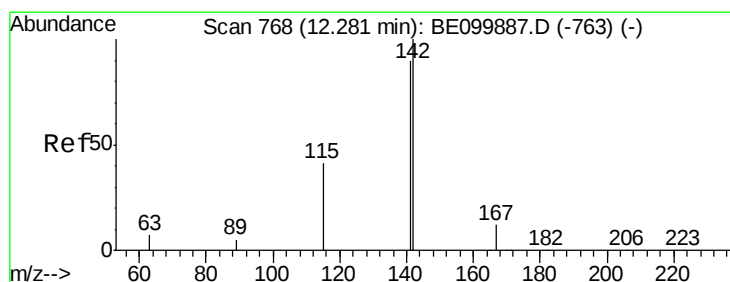
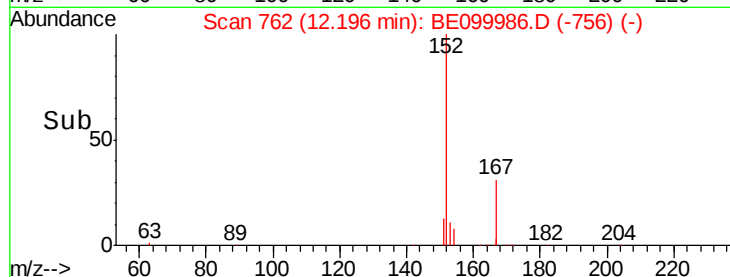
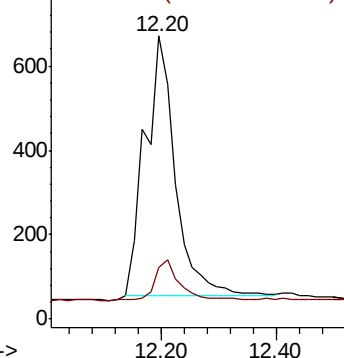
152 100

151 11.7 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.350 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

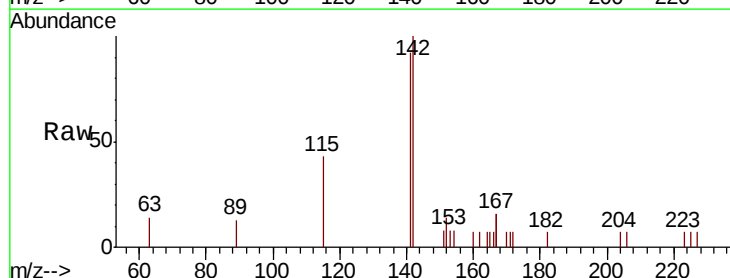
Tgt Ion:142 Resp: 1515

Ion Ratio Lower Upper

142 100

141 92.2 72.3 108.5

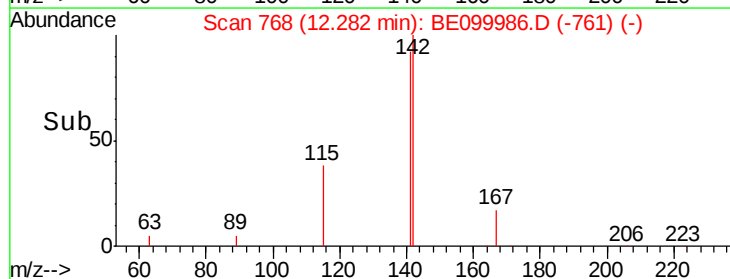
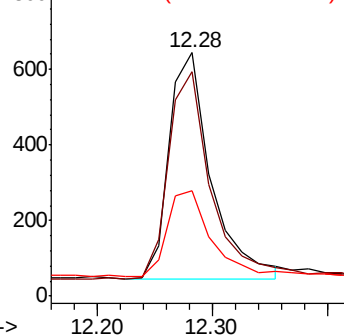
115 43.5 36.4 54.6



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

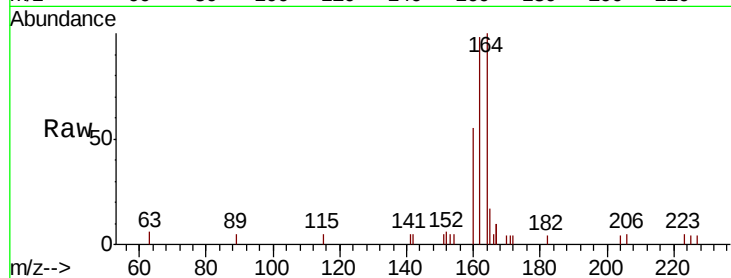




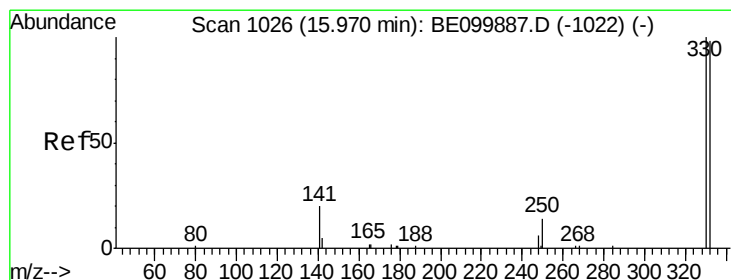
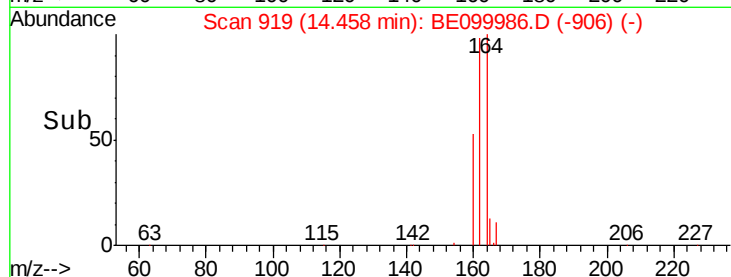
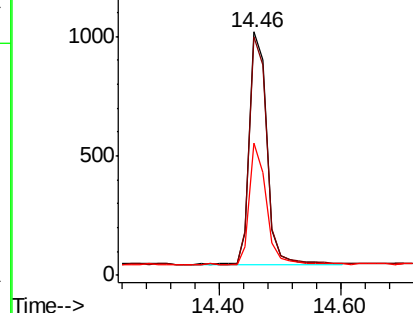
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: BE099986.D
 Acq: 13 Jun 2019 12:57

Instrument :
 BNA_E
 ClientSampleId :
 GW-02MSD

Tgt Ion:164 Resp: 1910
 Ion Ratio Lower Upper
 164 100
 162 98.0 77.8 116.8
 160 54.5 38.2 57.4

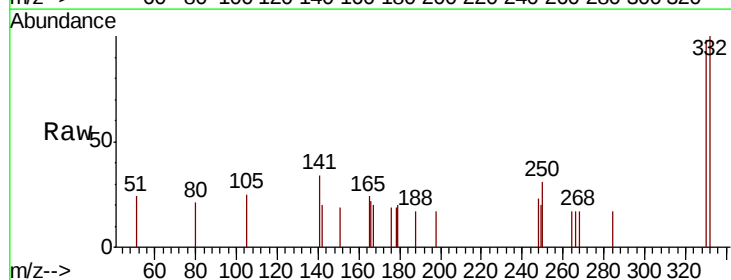


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

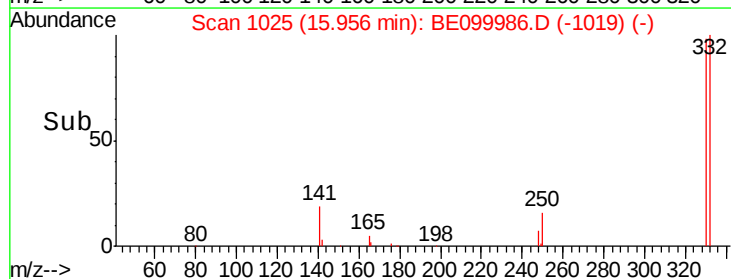
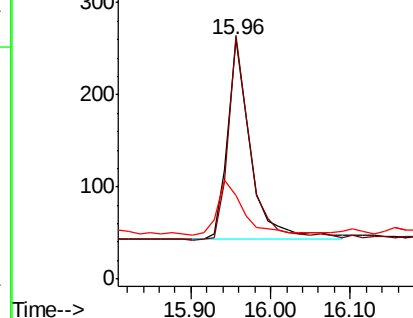


#14
 2,4,6-Tribromophenol
 Concen: 0.314 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BE099986.D
 Acq: 13 Jun 2019 12:57

Tgt Ion:330 Resp: 443
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.7 115.1
 141 31.6 21.0 31.6#



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

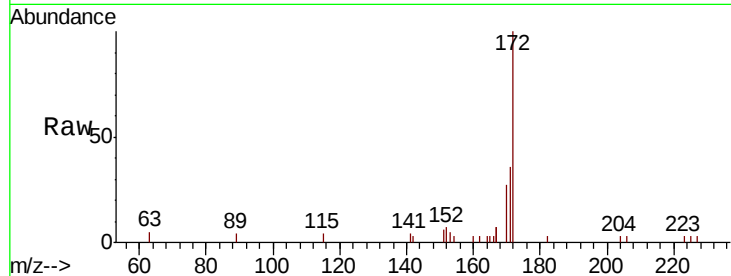




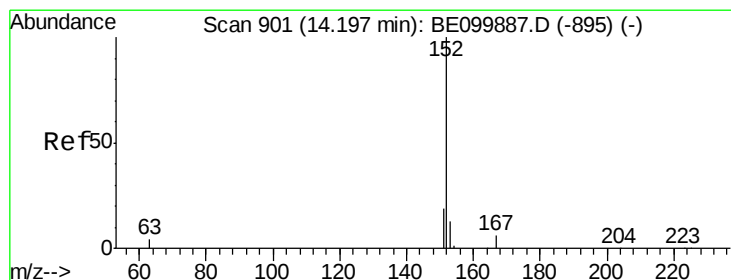
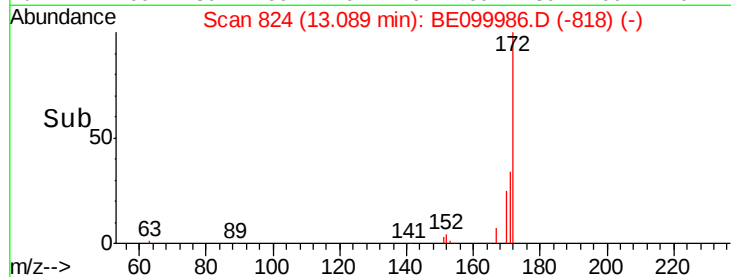
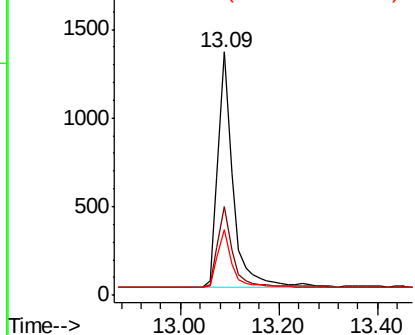
#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Instrument :
BNA_E
ClientSampleId :
GW-02MSD

Tgt Ion:172 Resp: 2846
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 27.1 21.2 31.8

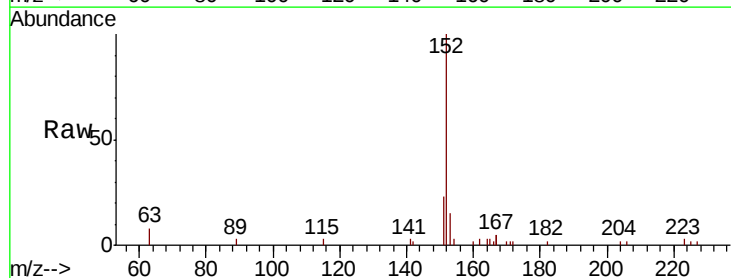


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

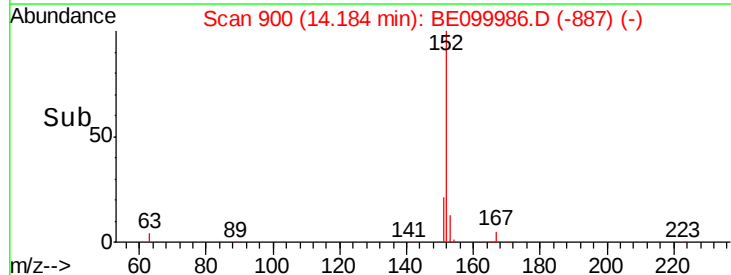
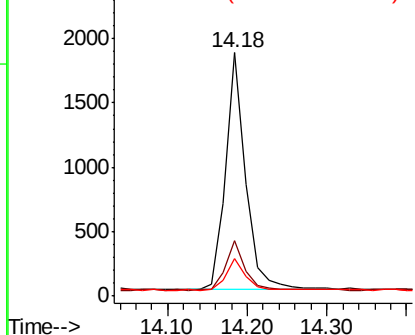


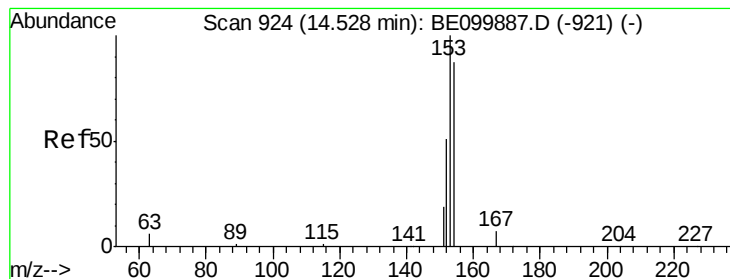
#16
Acenaphthylene
Concen: 0.339 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:152 Resp: 3222
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 13.4 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.341 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

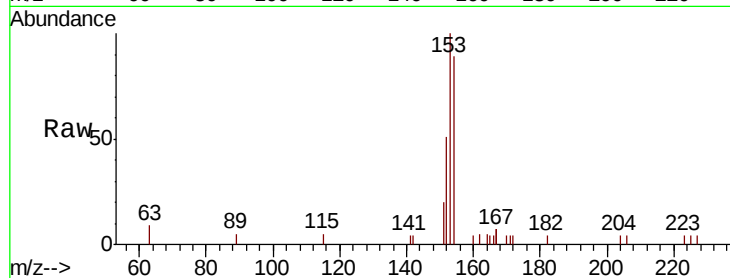
Tgt Ion:154 Resp: 1767

Ion Ratio Lower Upper

154 100

153 114.8 93.1 139.7

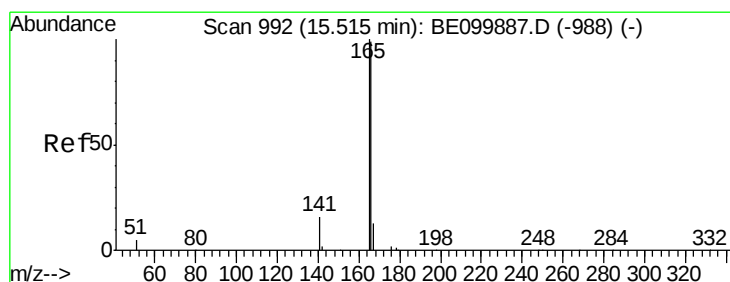
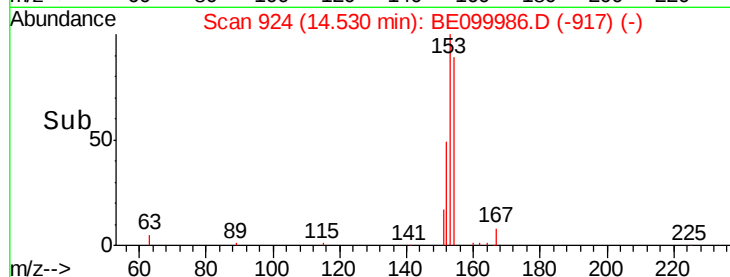
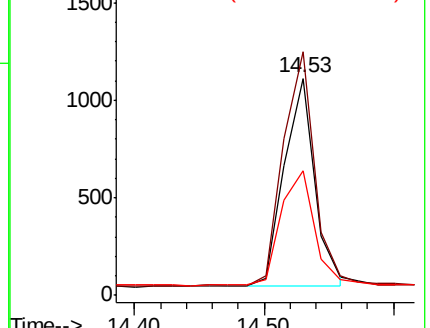
152 60.0 47.0 70.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.360 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

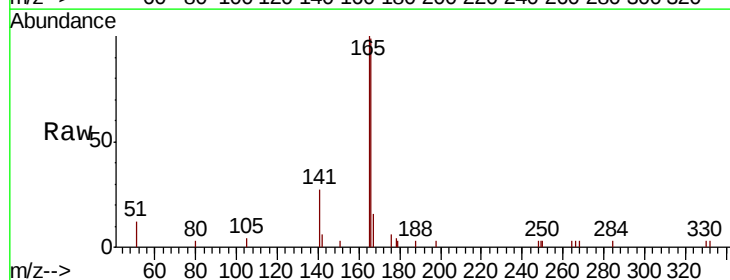
Tgt Ion:166 Resp: 2798

Ion Ratio Lower Upper

166 100

165 99.6 81.8 122.8

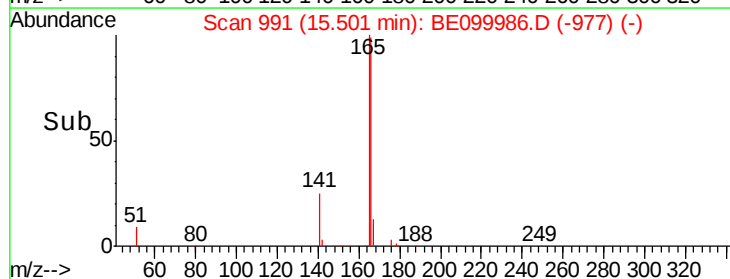
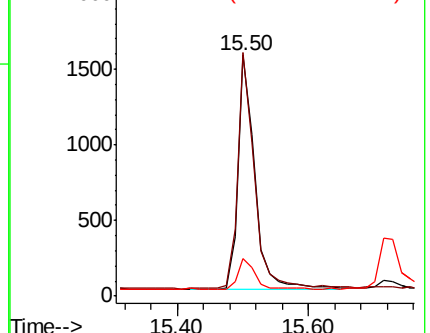
167 13.3 11.2 16.8



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: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

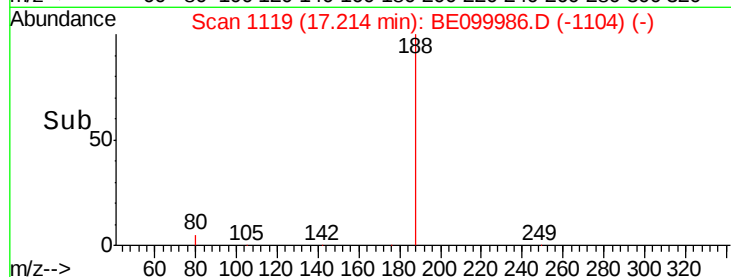
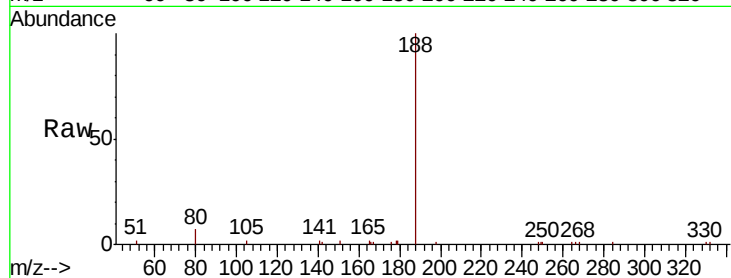
Tgt Ion:188 Resp: 6868

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

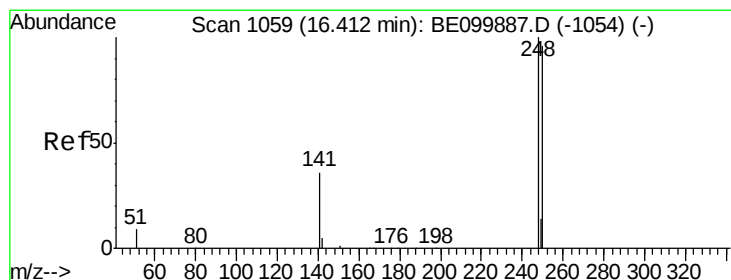
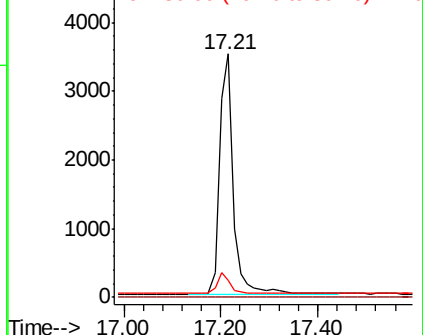
80 6.8 6.4 9.6



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: 0.316 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

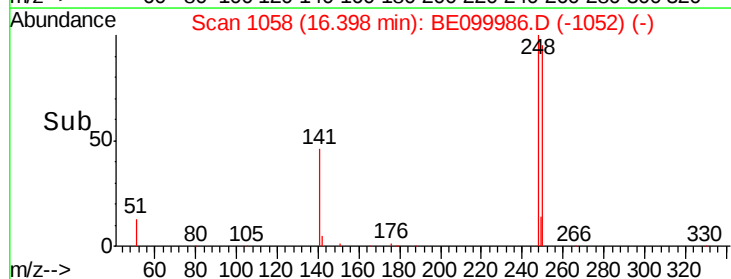
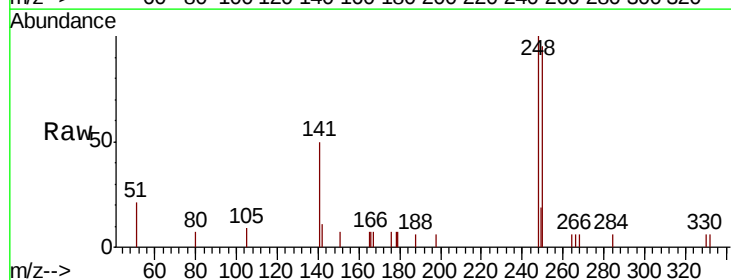
Tgt Ion:248 Resp: 1229

Ion Ratio Lower Upper

248 100

250 95.4 77.5 116.3

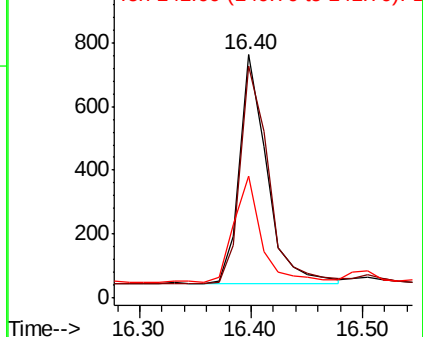
141 49.9 31.8 47.8#

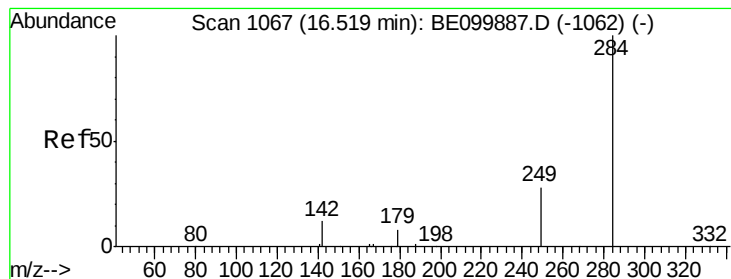


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.323 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampled :

GW-02MSD

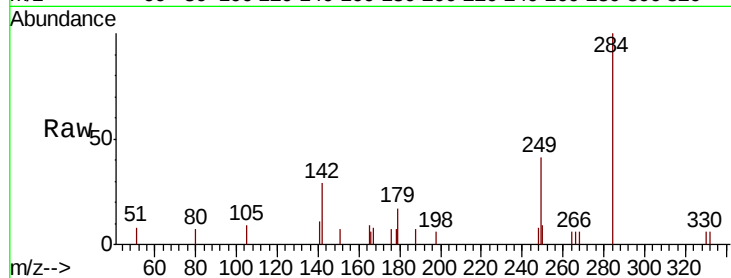
Tgt Ion:284 Resp: 1283

Ion Ratio Lower Upper

284 100

142 23.6 18.2 27.4

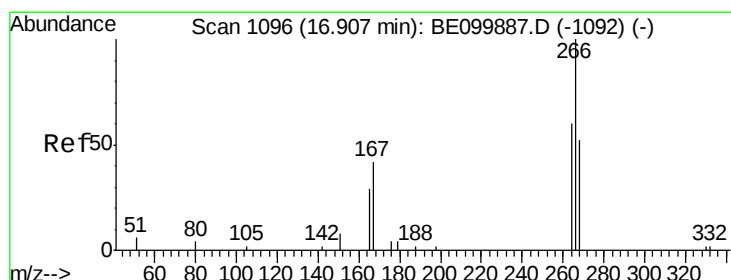
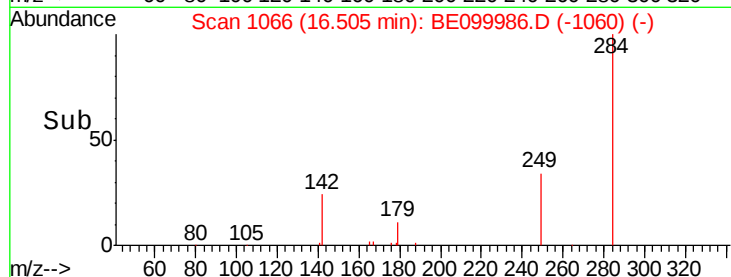
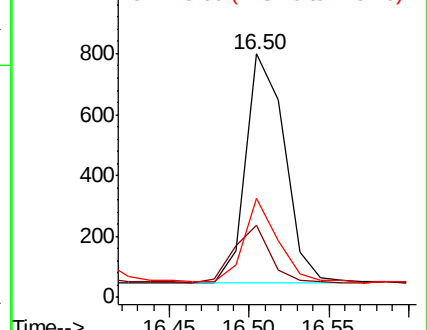
249 31.0 24.6 37.0



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: 0.857 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

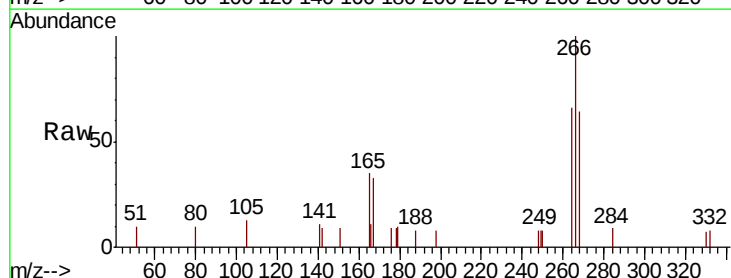
Tgt Ion:266 Resp: 1067

Ion Ratio Lower Upper

266 100

264 66.1 62.2 93.2

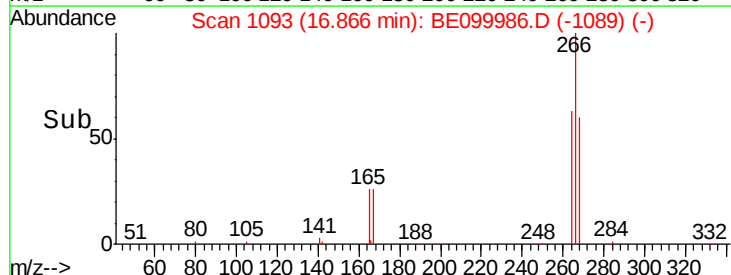
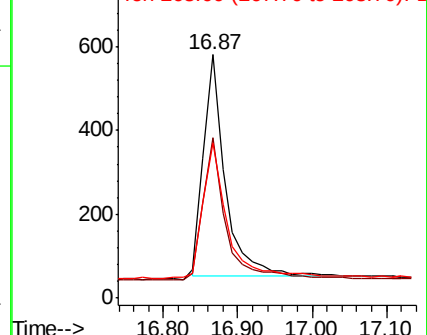
268 63.9 65.5 98.3#



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: 0.340 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

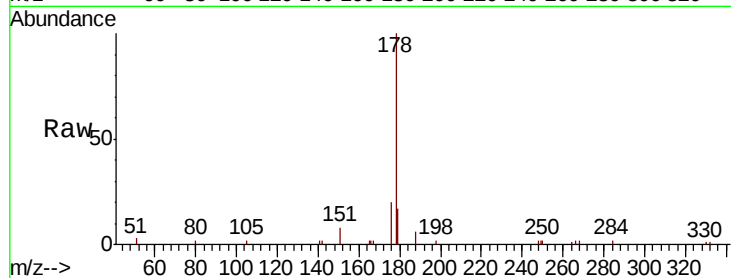
Tgt Ion:178 Resp: 5670

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

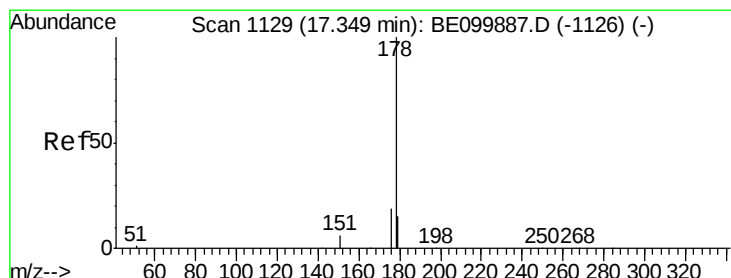
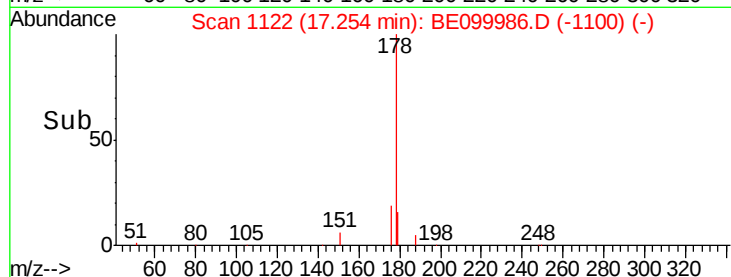
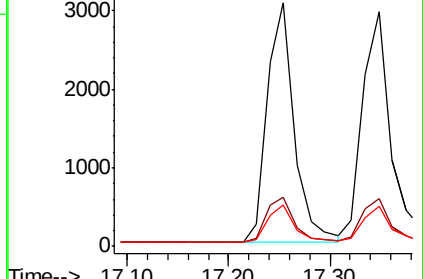
179 15.6 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.358 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

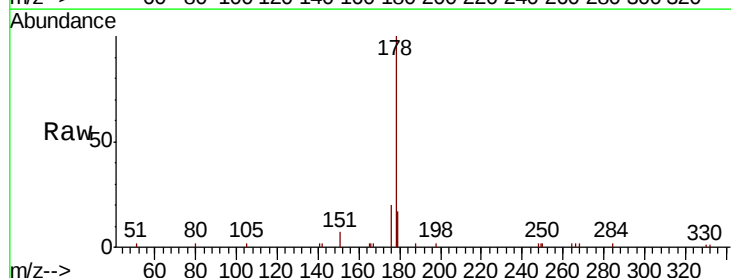
Tgt Ion:178 Resp: 5464

Ion Ratio Lower Upper

178 100

176 19.5 14.6 22.0

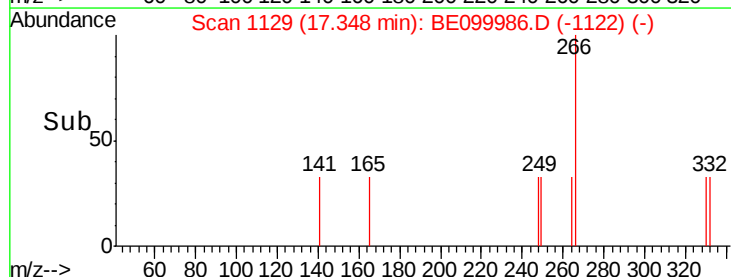
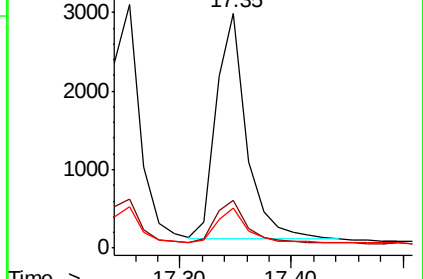
179 14.7 12.3 18.5



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: 0.339 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

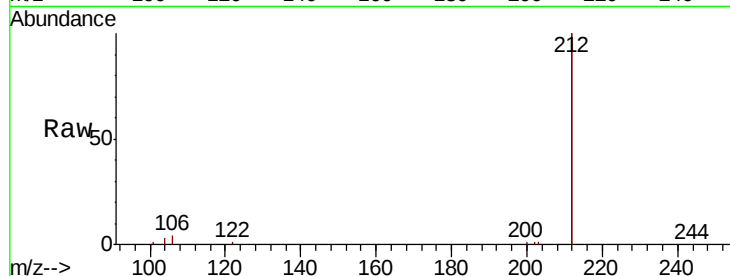
Tgt Ion:212 Resp: 33890

Ion Ratio Lower Upper

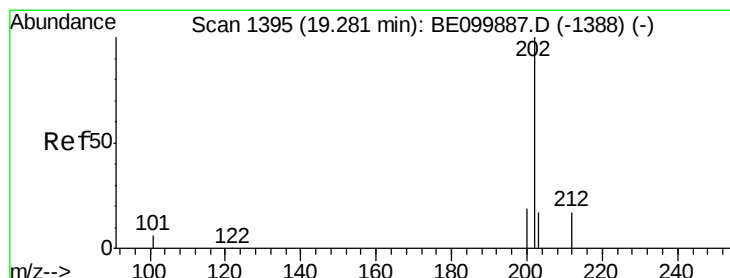
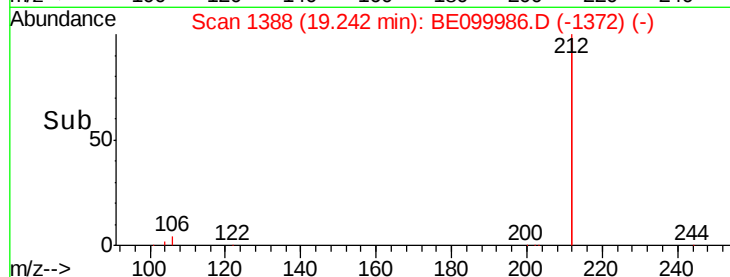
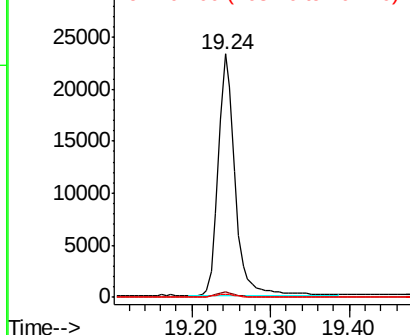
212 100

106 1.9 1.4 2.2

104 1.2 0.9 1.3



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: 0.355 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

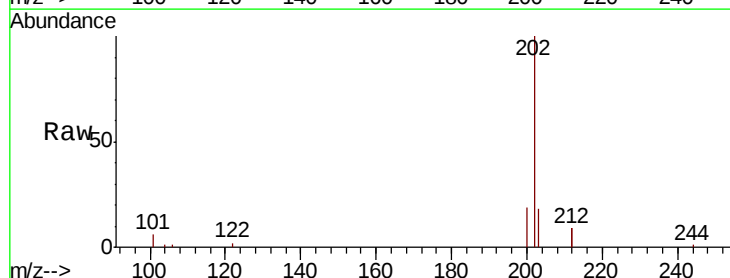
Tgt Ion:202 Resp: 10062

Ion Ratio Lower Upper

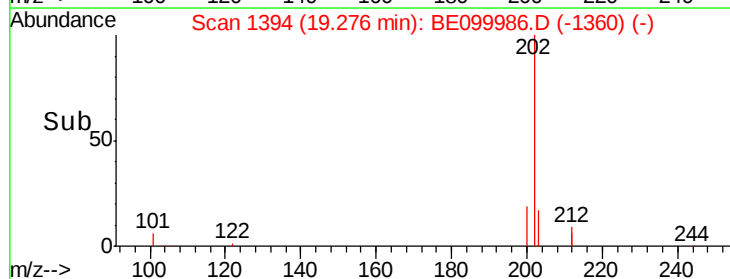
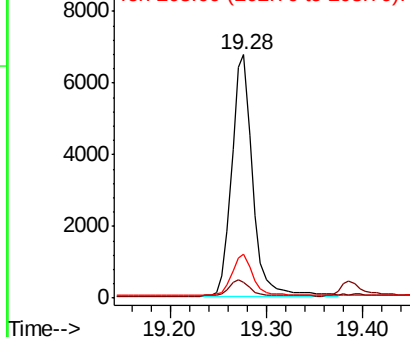
202 100

101 7.1 5.4 8.0

203 17.0 13.2 19.8



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. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

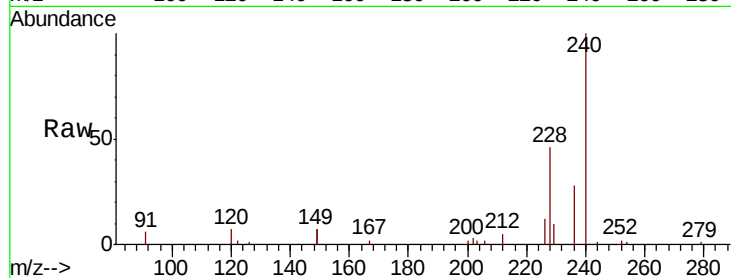
Tgt Ion:240 Resp: 10393

Ion Ratio Lower Upper

240 100

120 6.8 3.8 5.6#

236 27.6 22.0 33.0

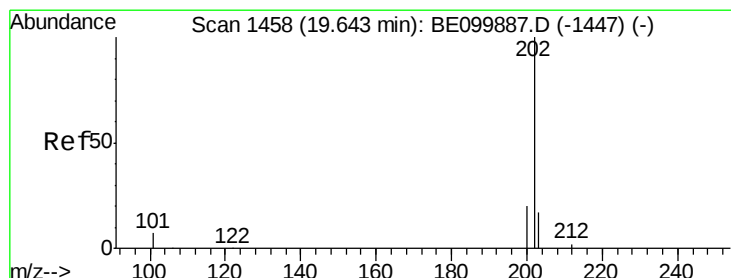
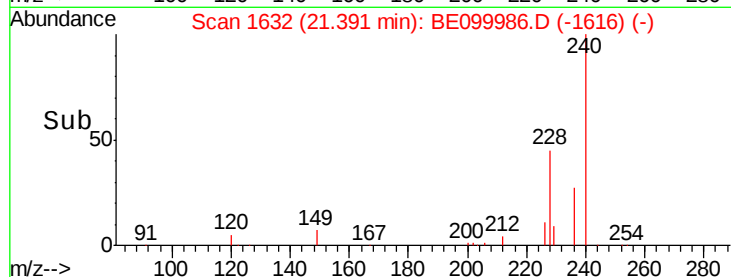
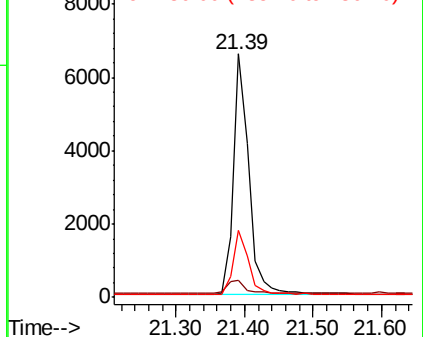


Abundance

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: 0.399 ng

RT: 19.64 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

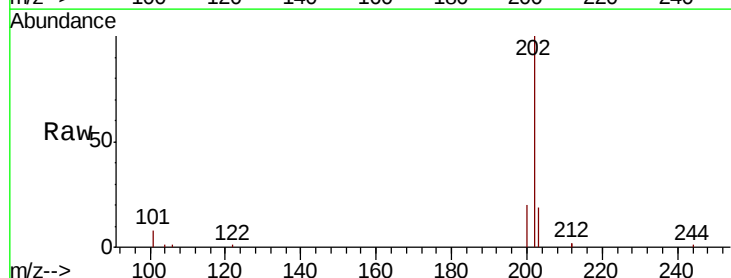
Tgt Ion:202 Resp: 10906

Ion Ratio Lower Upper

202 100

200 19.6 15.5 23.3

203 18.1 14.0 21.0

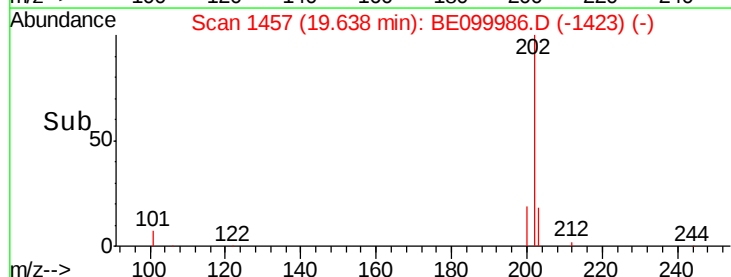
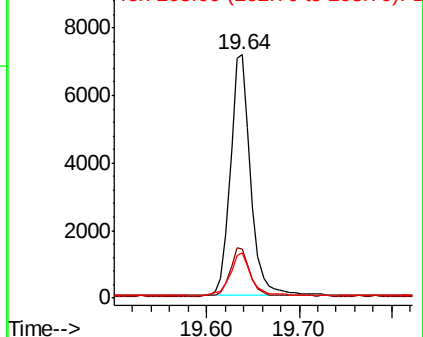


Abundance

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: 0.545 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

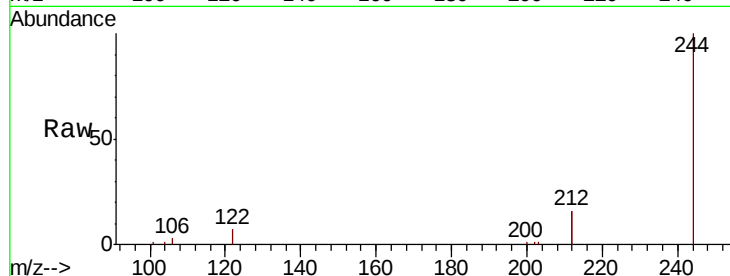
Tgt Ion:244 Resp: 10205

Ion Ratio Lower Upper

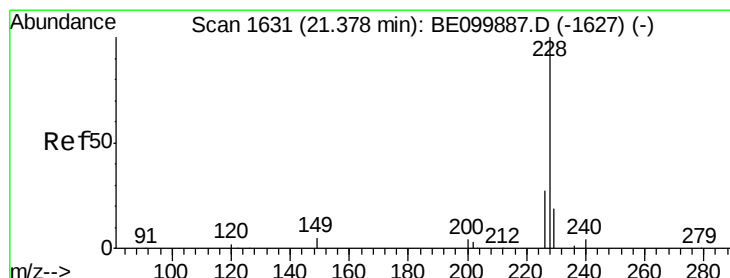
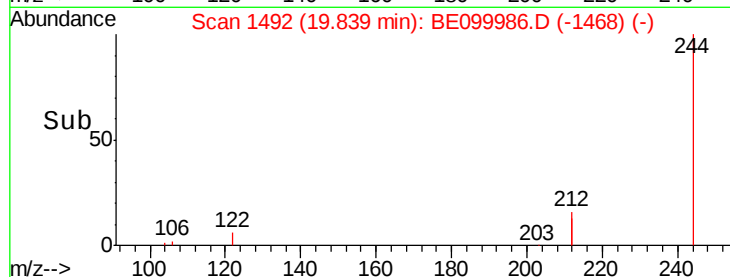
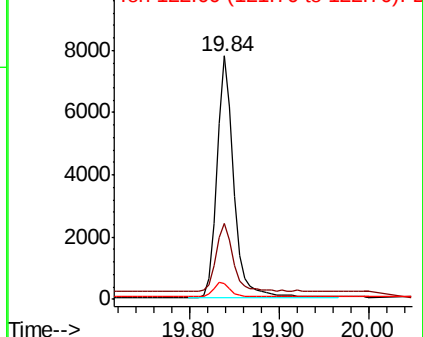
244 100

212 31.4 25.7 38.5

122 6.7 5.5 8.3



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: 0.394 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

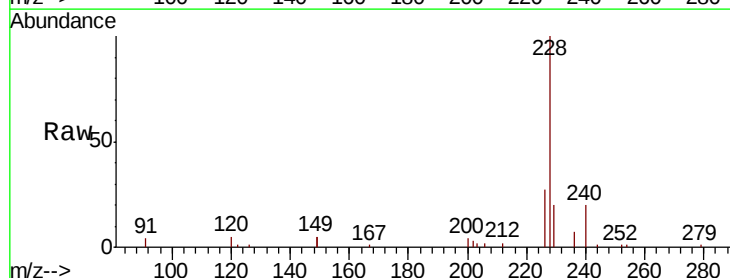
Tgt Ion:228 Resp: 12231

Ion Ratio Lower Upper

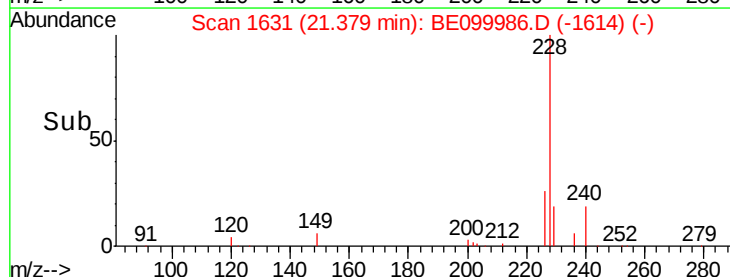
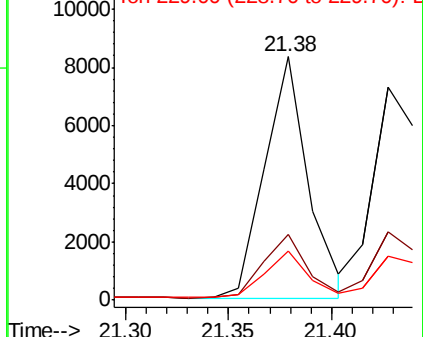
228 100

226 27.1 22.5 33.7

229 20.3 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: 0.386 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampled :

GW-02MSD

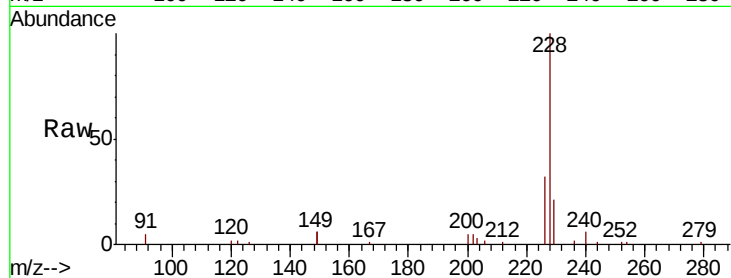
Tgt Ion:228 Resp: 12386

Ion Ratio Lower Upper

228 100

226 31.8 24.1 36.1

229 20.6 16.1 24.1

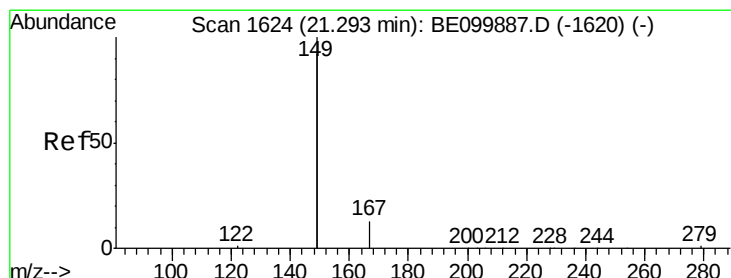
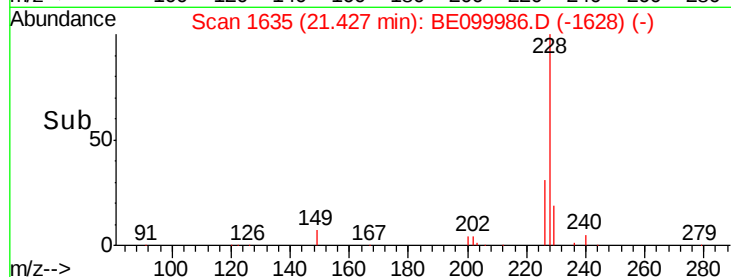
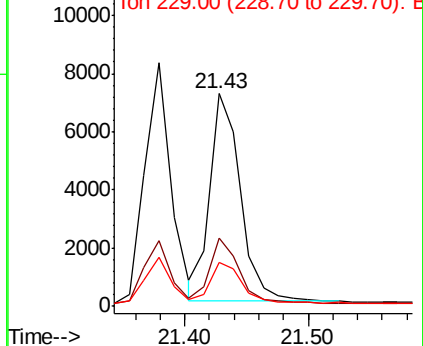


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.436 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

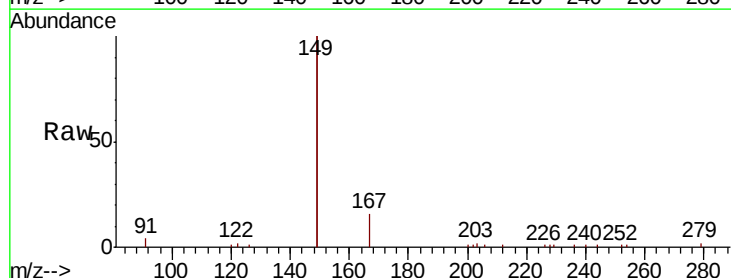
Tgt Ion:149 Resp: 19445

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

279 1.4 1.2 1.8

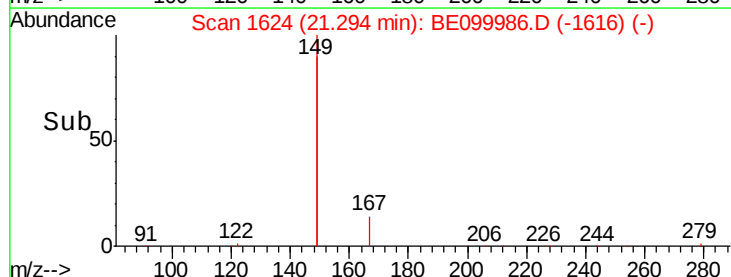
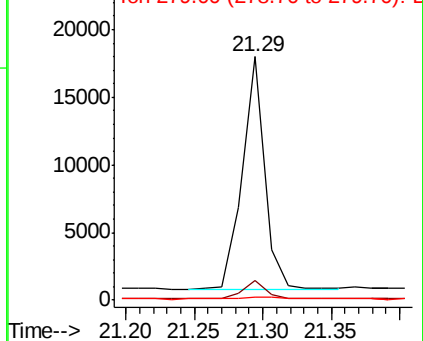


Abundance

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: 0.365 ng

RT: 26.60 min Scan# 2962

Delta R.T. -0.02 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

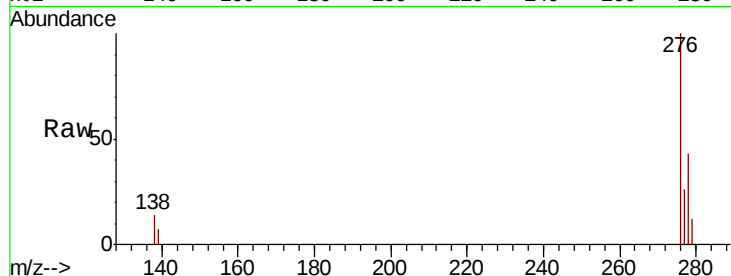
Tgt Ion:276 Resp: 13886

Ion Ratio Lower Upper

276 100

138 13.5 10.1 15.1

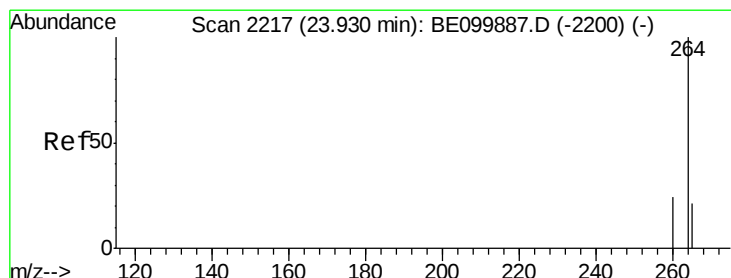
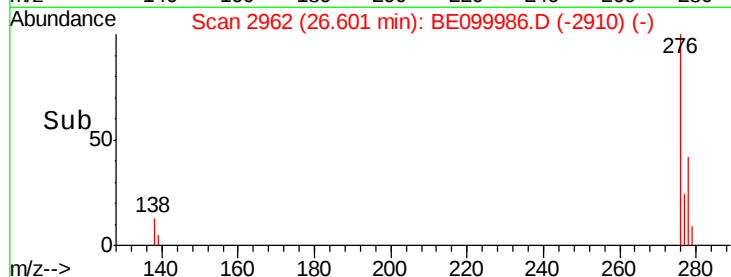
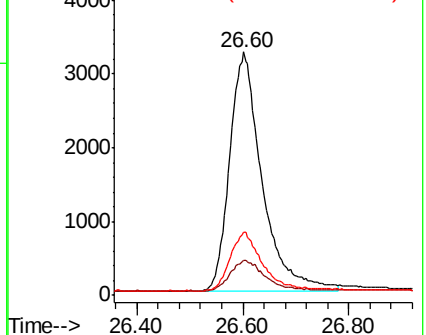
277 23.8 19.1 28.7



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: 23.92 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

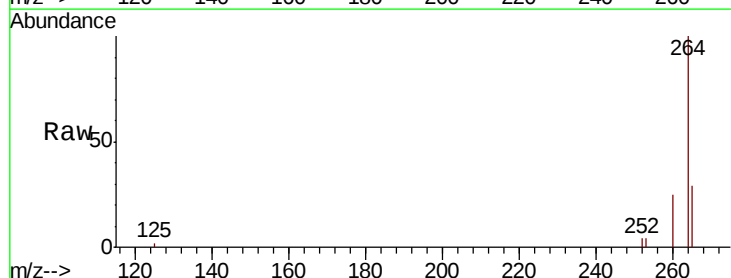
Tgt Ion:264 Resp: 11988

Ion Ratio Lower Upper

264 100

260 25.4 20.2 30.2

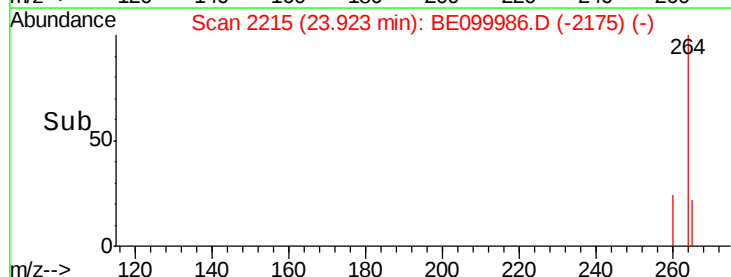
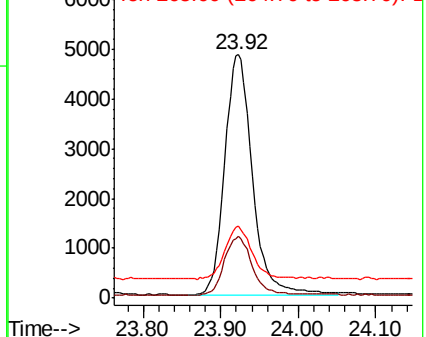
265 29.4 22.0 33.0



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

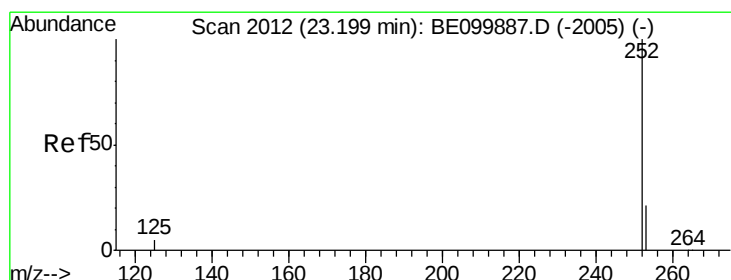
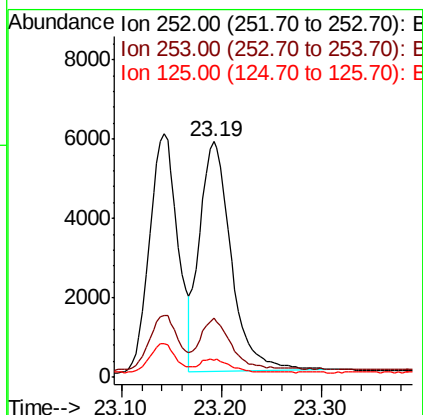
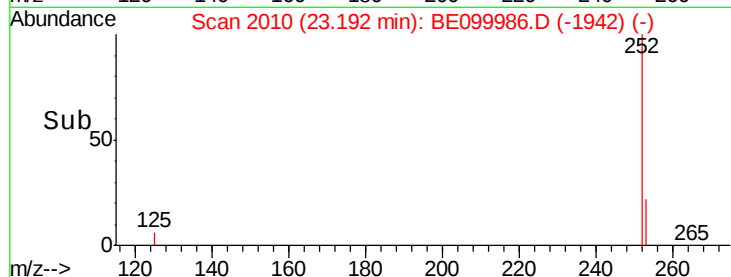
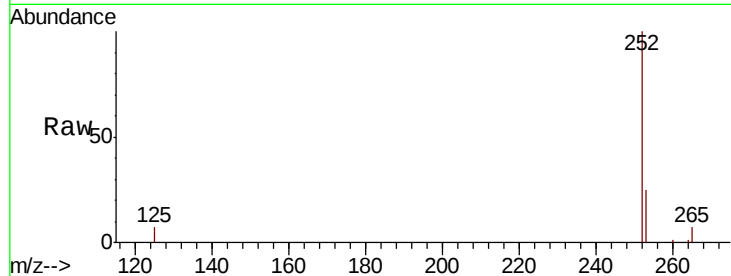




#35
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 23.19 min Scan# 2010
Delta R.T. 0.04 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

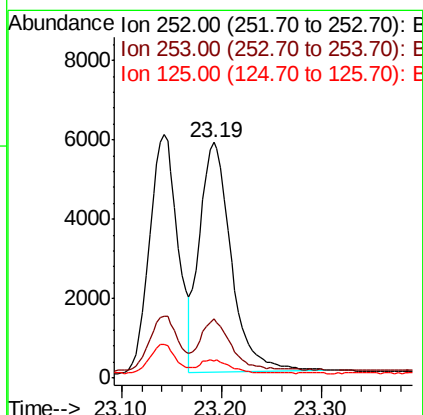
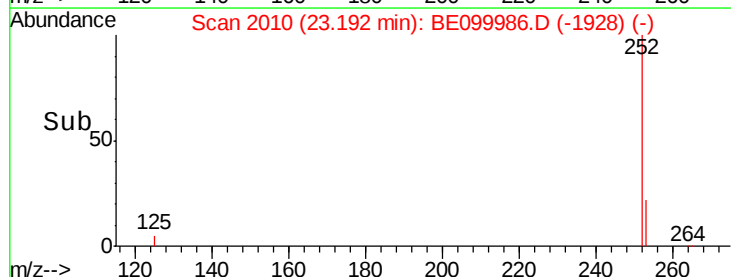
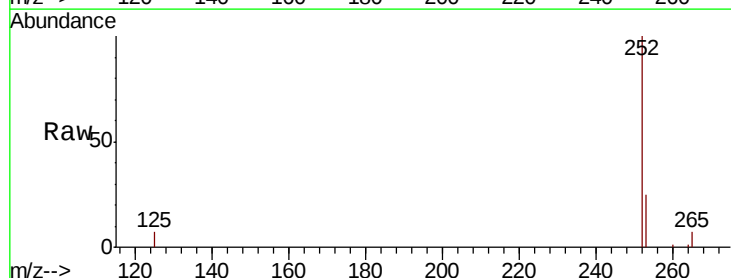
Instrument :
BNA_E
ClientSampleId :
GW-02MSD

Tgt Ion:252 Resp: 12767
Ion Ratio Lower Upper
252 100
253 25.0 18.7 28.1
125 7.5 5.7 8.5



#36
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 23.19 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:252 Resp: 12767
Ion Ratio Lower Upper
252 100
253 25.0 18.6 28.0
125 7.5 5.4 8.0





#37

Benzo(a)pyrene

Concen: 0.369 ng

RT: 23.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD

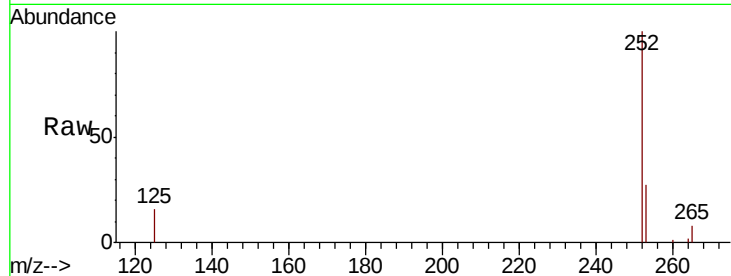
Tgt Ion: 252 Resp: 12213

Ion Ratio Lower Upper

252 100

253 26.8 19.6 29.4

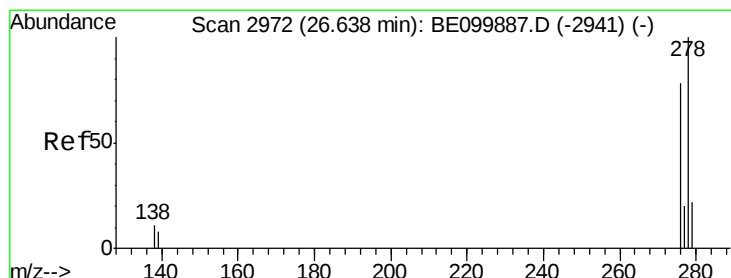
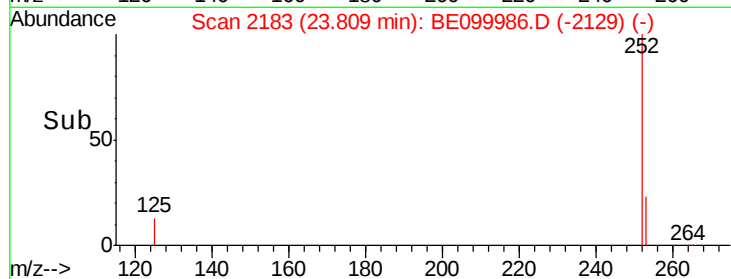
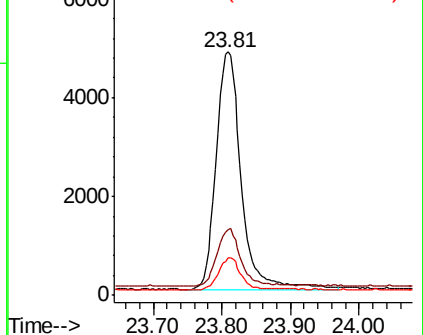
125 15.6 6.6 10.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.324 ng

RT: 26.63 min Scan# 2970

Delta R.T. -0.01 min

Lab File: BE099986.D

Acq: 13 Jun 2019 12:57

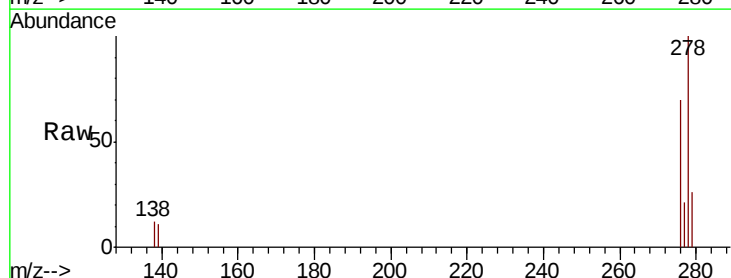
Tgt Ion: 278 Resp: 10794

Ion Ratio Lower Upper

278 100

139 11.0 7.8 11.8

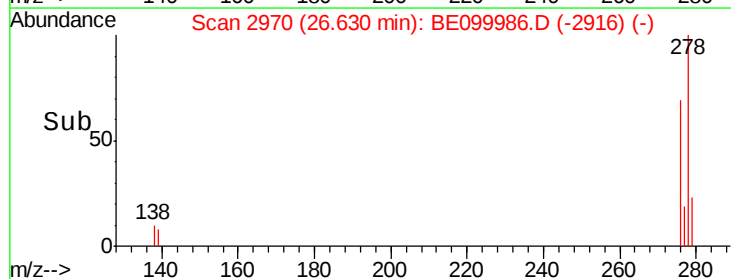
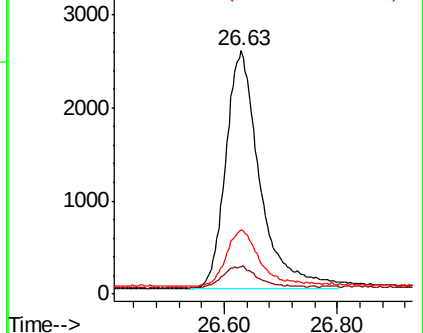
279 26.5 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.349 ng

RT: 27.42 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BE099986.D

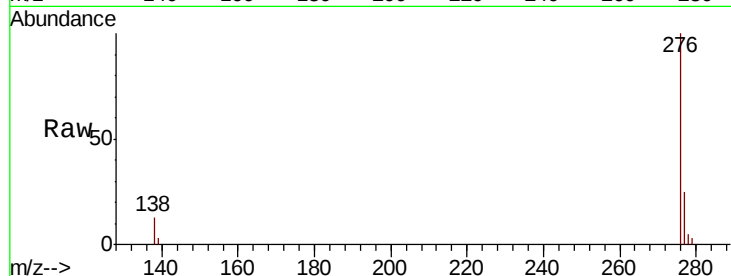
Acq: 13 Jun 2019 12:57

Instrument :

BNA_E

ClientSampleId :

GW-02MSD



Tgt Ion: 276 Resp: 12010

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 13.3 9.5 14.3

