

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099177.D
 Acq On : 25 Mar 2019 11:14
 Operator : JU/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 25 14:14:05 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	3820	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	17427	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	12321	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	31389	0.40	ng	0.00
27) Chrysene-d12	21.38	240	34468	0.40	ng	-0.01
34) Perylene-d12	23.89	264	35165	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	2544	0.22	ng	0.00
5) Phenol-d6	6.99	99	3648	0.22	ng	0.00
8) Nitrobenzene-d5	8.99	82	2746	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	6847	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	501	0.14	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	10497	0.21	ng	0.00
25) Fluoranthene-d10	19.24	212	76909	0.18	ng	0.00
29) Terphenyl-d14	19.83	244	15703	0.22	ng	0.00

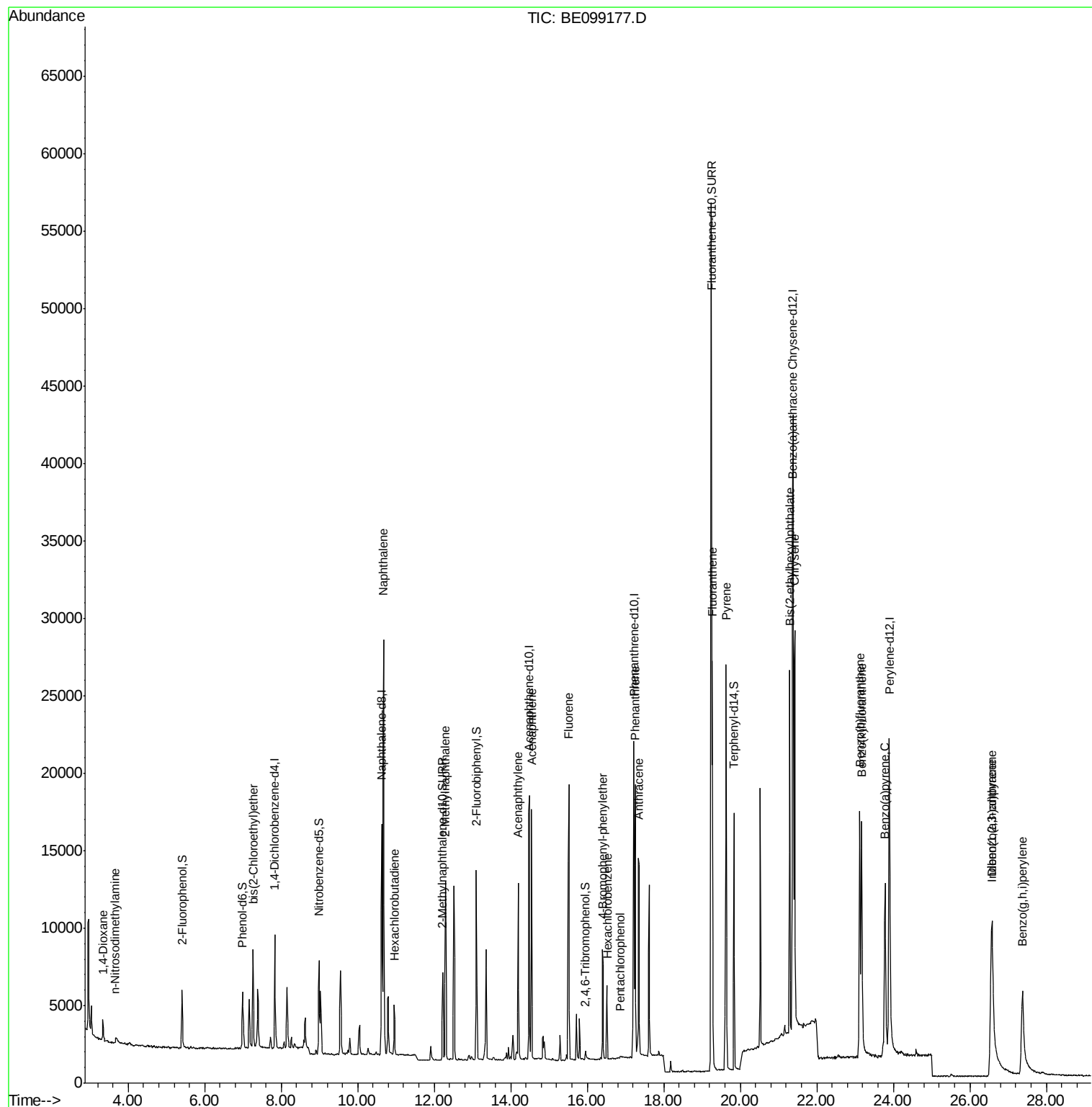
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	1126	0.190	ng	98
3) n-Nitrosodimethylamine	3.67	42	433	0.142	ng	# 89
6) bis(2-Chloroethyl)ether	7.26	93	2849	0.214	ng	95
9) Naphthalene	10.68	128	43482	0.212	ng	99
10) Hexachlorobutadiene	10.95	225	2258	0.225	ng	97
12) 2-Methylnaphthalene	12.30	142	7620	0.217	ng	99
16) Acenaphthylene	14.20	152	12305	0.187	ng	99
17) Acenaphthene	14.54	154	7775	0.199	ng	99
18) Fluorene	15.52	166	10819	0.190	ng	97
20) 4-Bromophenyl-phenylether	16.41	248	4024	0.232	ng	96
21) Hexachlorobenzene	16.52	284	4122	0.255	ng	99
22) Pentachlorophenol	16.87	266	215	0.284	ng	85
23) Phenanthrene	17.26	178	19477	0.209	ng	100
24) Anthracene	17.35	178	16592	0.188	ng	100
26) Fluoranthene	19.27	202	24059	0.183	ng	100
28) Pyrene	19.63	202	24813	0.212	ng	99
30) Benzo(a)anthracene	21.37	228	23722	0.195	ng	100
31) Chrysene	21.43	228	26362	0.217	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	26337	0.167	ng	100
33) Indeno(1,2,3-cd)pyrene	26.56	276	23421	0.180	ng	98
35) Benzo(b)fluoranthene	23.12	252	24129	0.198	ng	98
36) Benzo(k)fluoranthene	23.17	252	26022	0.218	ng	97
37) Benzo(a)pyrene	23.78	252	22750	0.202	ng	96
38) Dibenzo(a,h)anthracene	26.58	278	19223	0.176	ng	99
39) Benzo(g,h,i)perylene	27.38	276	18555	0.165	ng	96

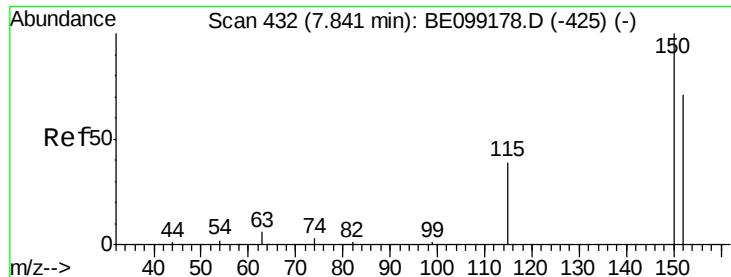
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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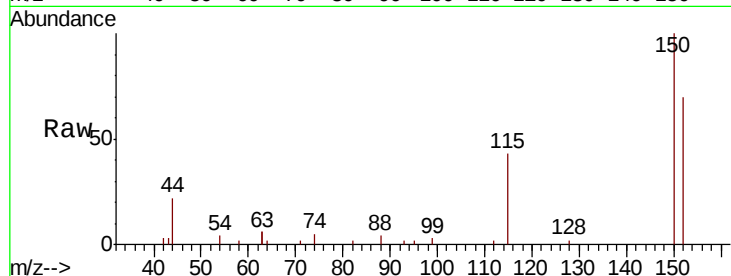


#1

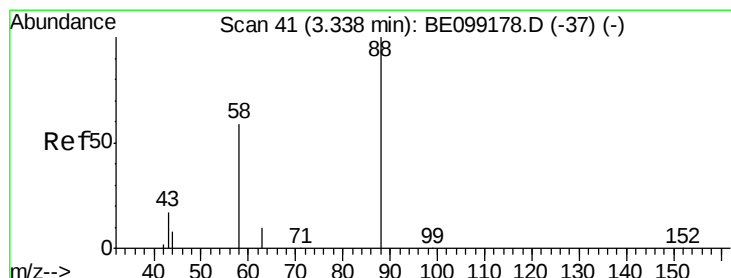
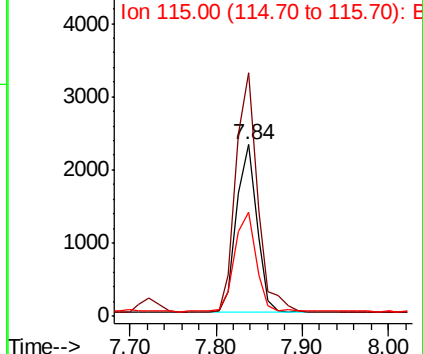
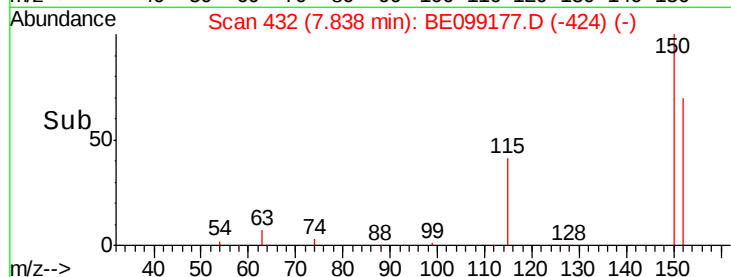
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3820
Ion Ratio Lower Upper
152 100
150 142.0 112.8 169.2
115 60.9 45.1 67.7



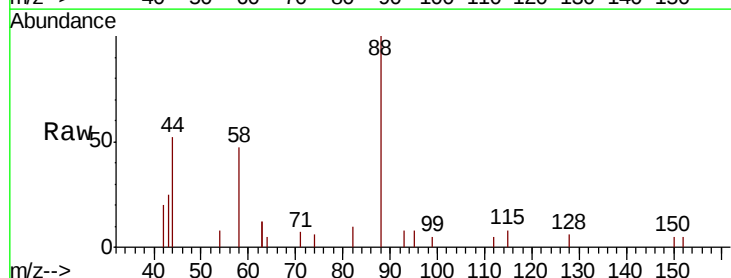
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



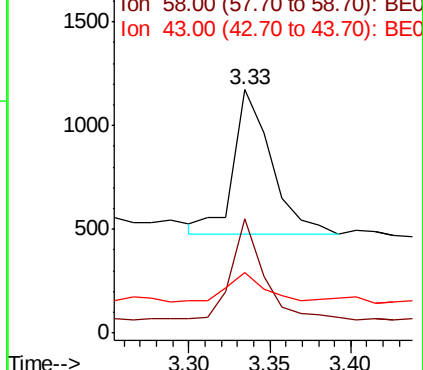
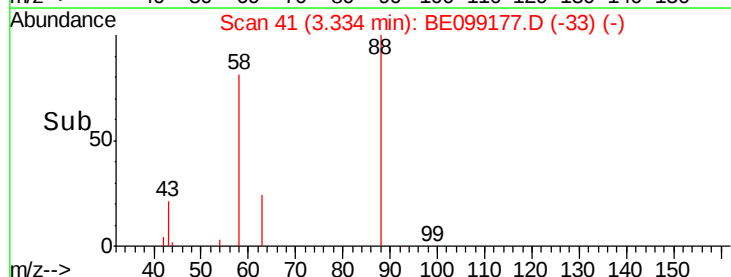
#2

1,4-Dioxane
Concen: 0.190 ng
RT: 3.33 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Tgt Ion: 88 Resp: 1126
Ion Ratio Lower Upper
88 100
58 60.8 47.4 71.0
43 19.2 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: 0.142 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

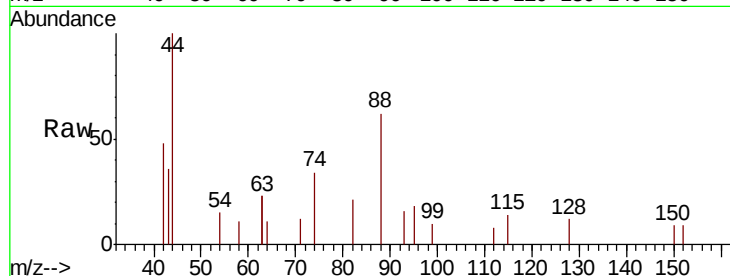
Tot Ion: 42 Resp: 433

Ion Ratio Lower Upper

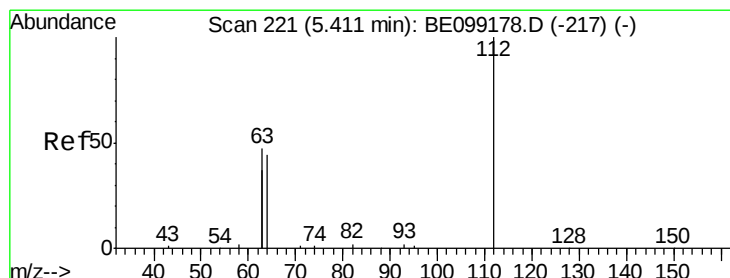
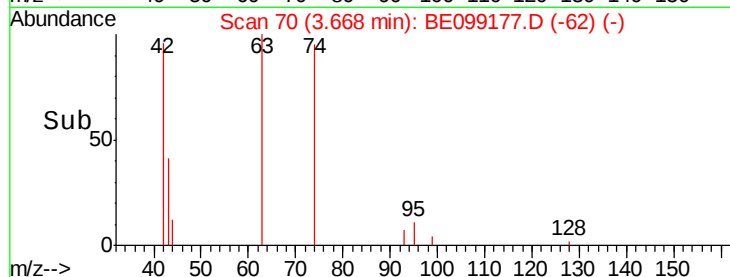
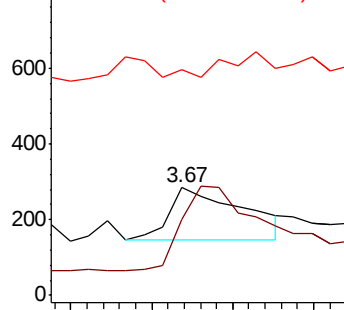
42 100

74 161.9 138.6 207.8

44 0.0 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: 0.224 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

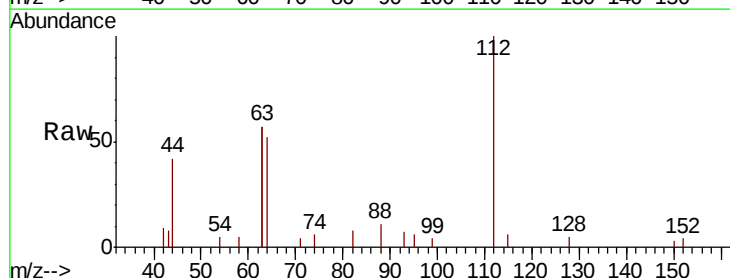
Tgt Ion: 112 Resp: 2544

Ion Ratio Lower Upper

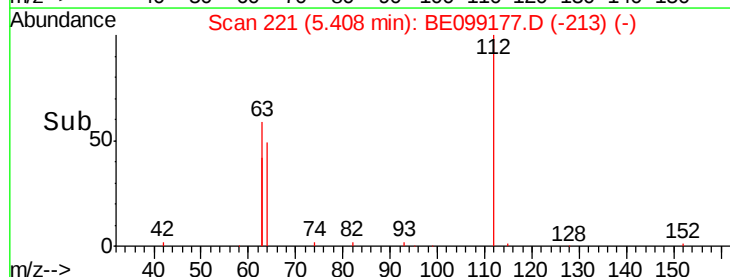
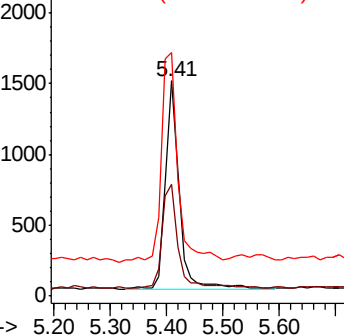
112 100

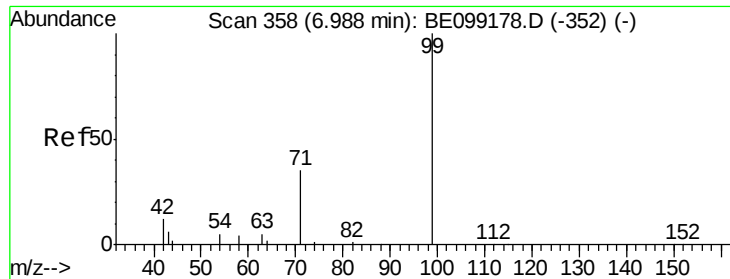
64 57.0 46.2 69.2

63 113.8 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: 0.223 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampled :

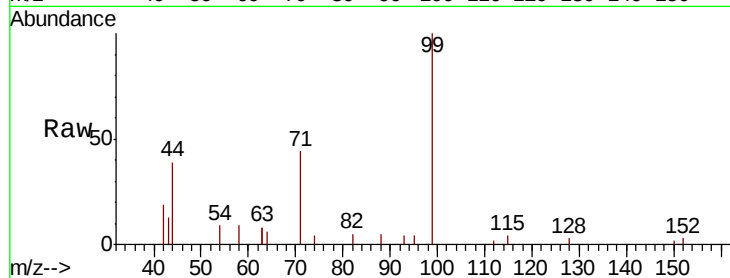
Tot Ion: 99 Resp: 3648

Ion Ratio Lower Upper

99 100

42 16.0 12.4 18.6

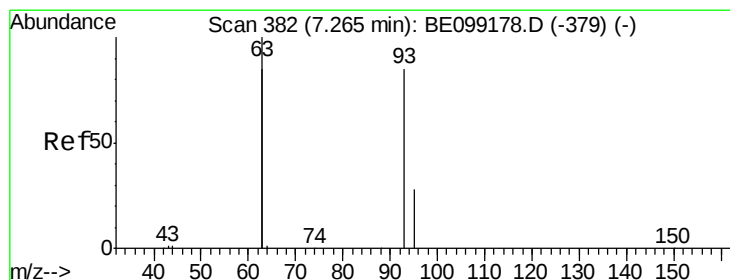
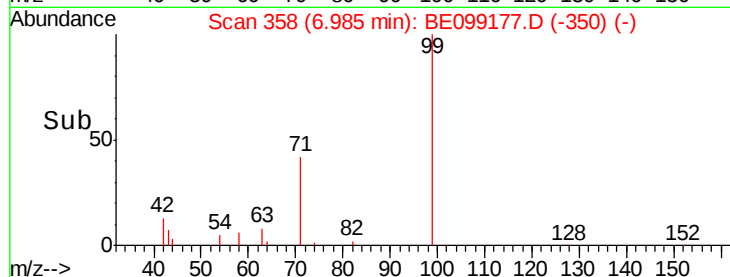
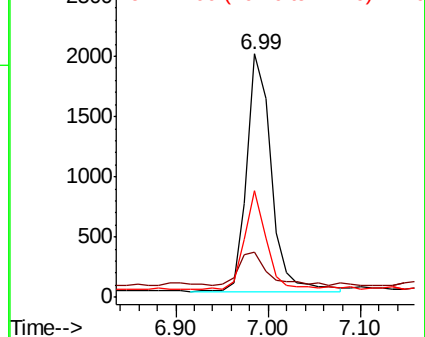
71 37.9 28.4 42.6



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: 0.214 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

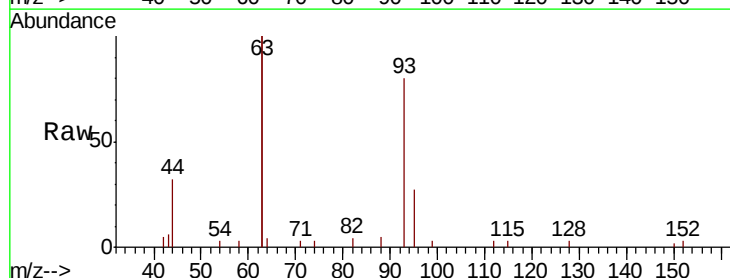
Tgt Ion: 93 Resp: 2849

Ion Ratio Lower Upper

93 100

63 267.0 221.4 332.0

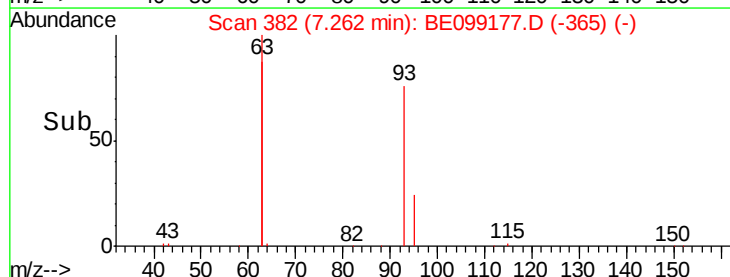
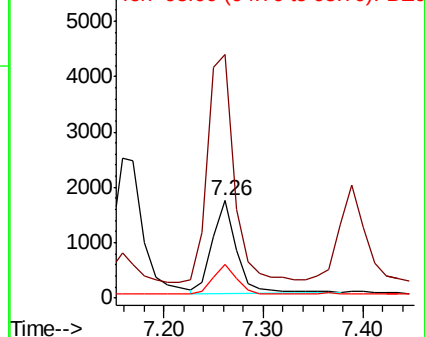
95 31.8 25.8 38.8



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# 652

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 17427

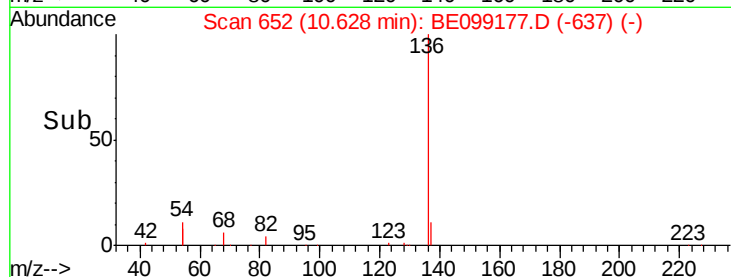
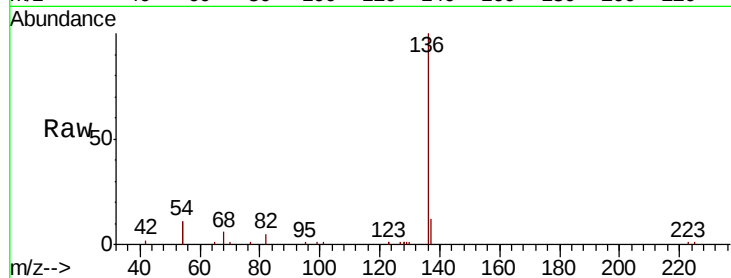
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 22.0 18.7 28.1

68 6.5 5.2 7.8

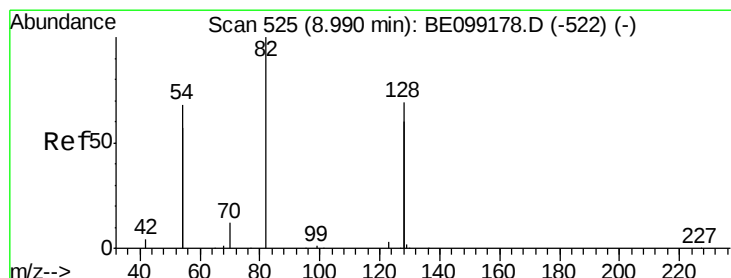
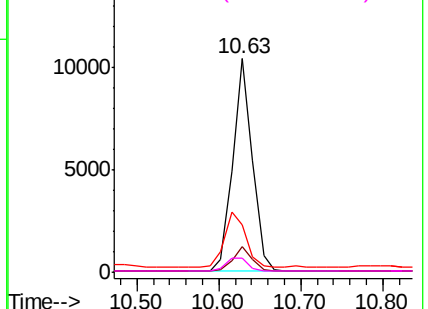


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.360 ng

RT: 8.99 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

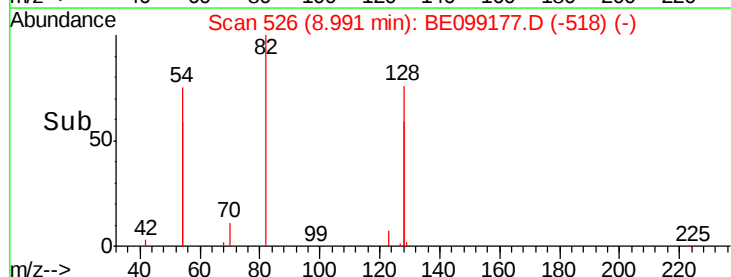
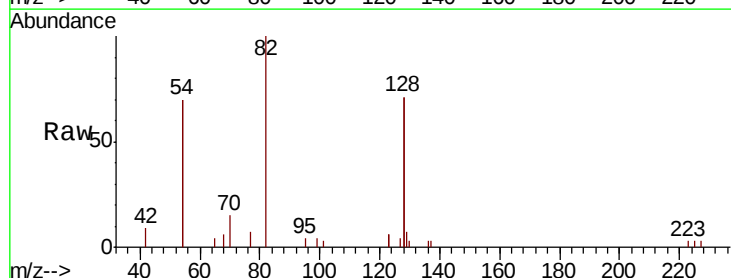
Tgt Ion: 82 Resp: 2746

Ion Ratio Lower Upper

82 100

128 141.8 107.5 161.3

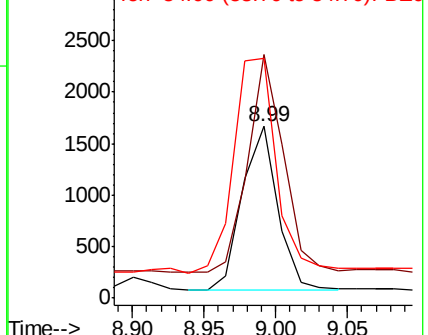
54 140.0 106.3 159.5

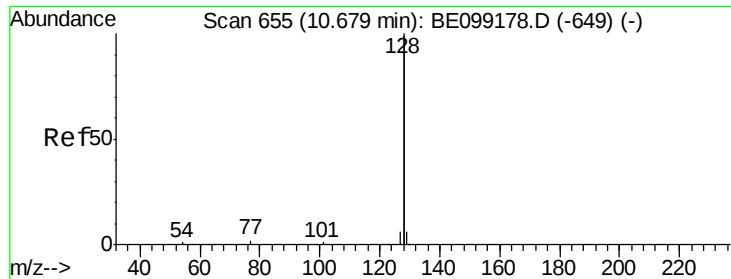


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.212 ng

RT: 10.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

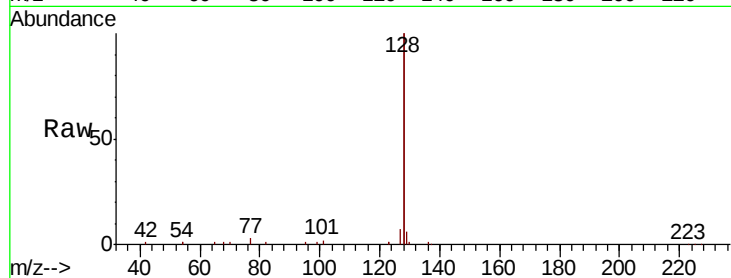
Tot Ion:128 Resp: 43482

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

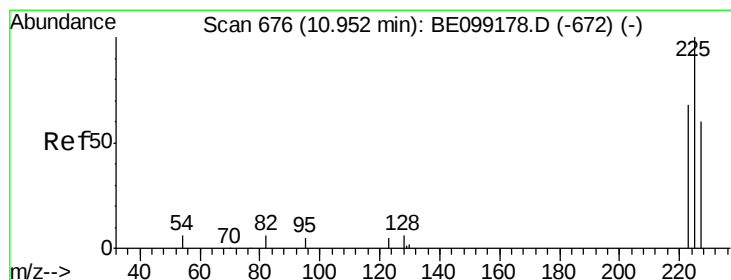
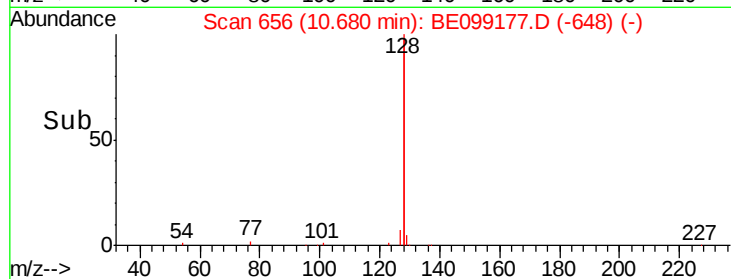
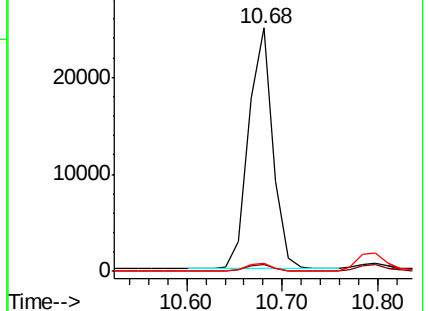
127 3.5 2.6 3.8



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: 0.225 ng

RT: 10.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

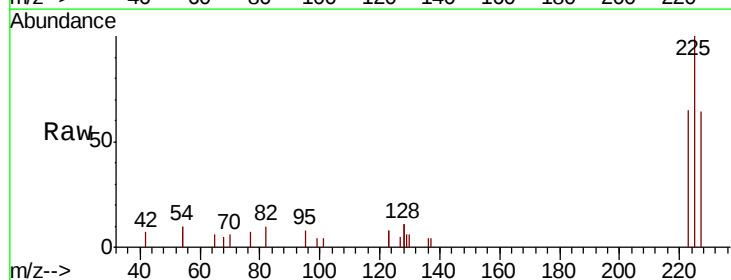
Tgt Ion:225 Resp: 2258

Ion Ratio Lower Upper

225 100

223 62.1 51.3 76.9

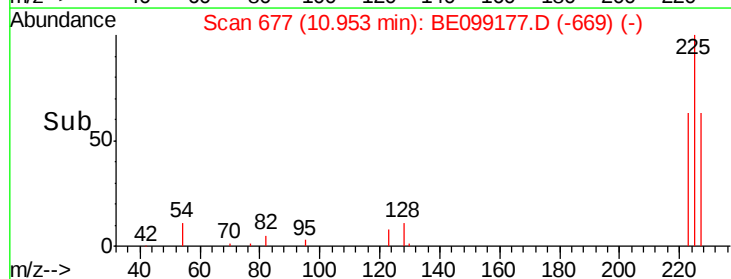
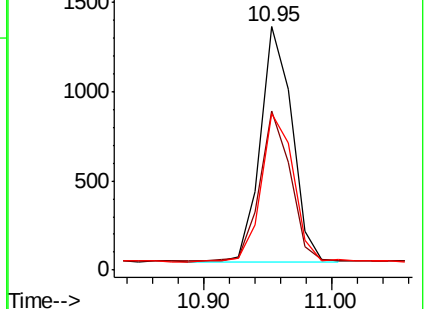
227 63.5 48.6 73.0

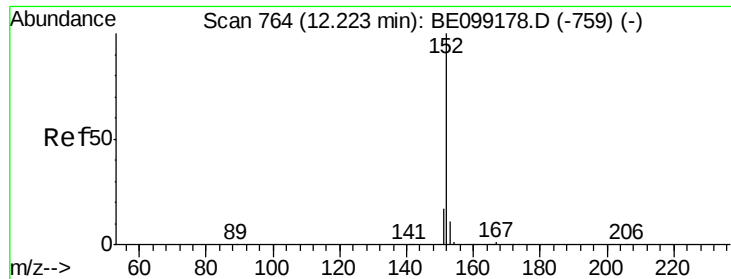


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

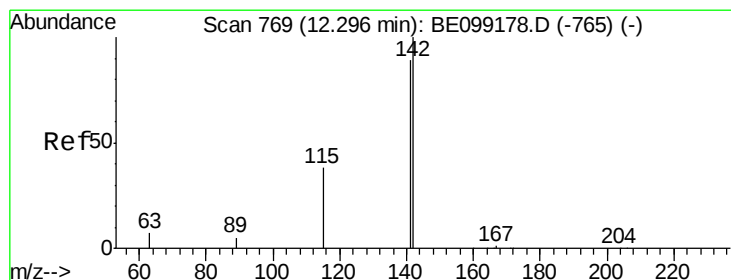
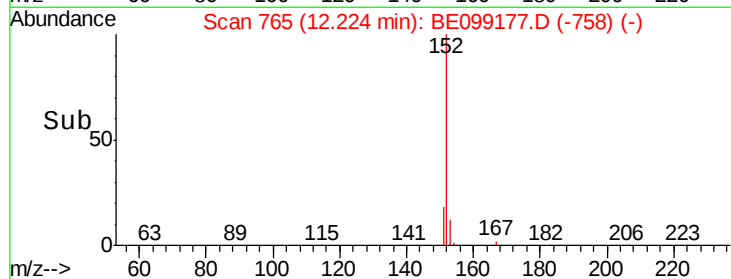
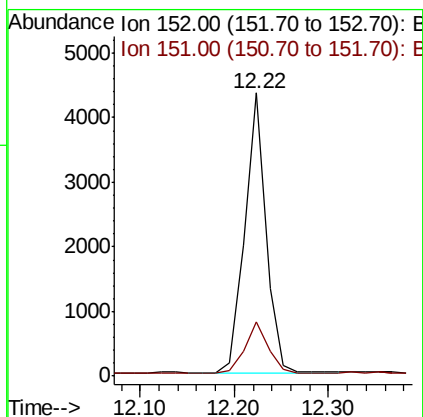
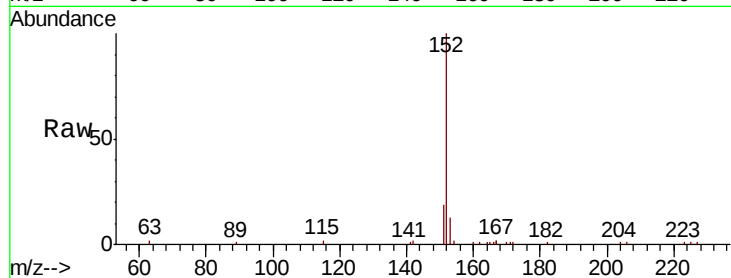




#11
 2-Methylnaphthalene-d10
 Concen: 0.218 ng
 RT: 12.22 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BE099177.D
 Acq: 25 Mar 2019 11:14

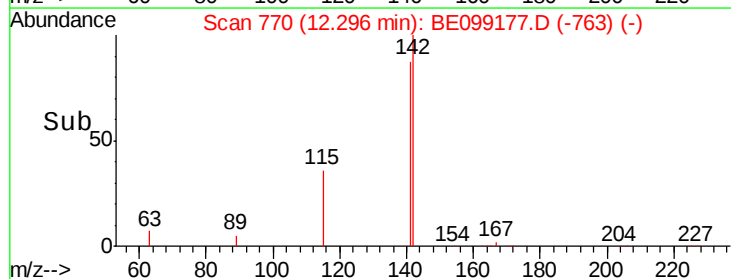
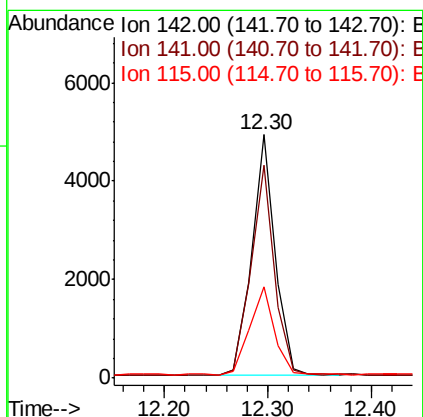
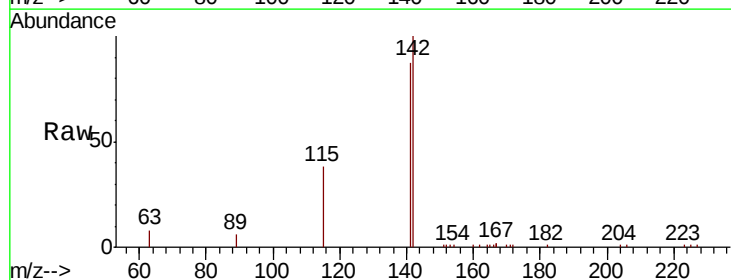
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 6847
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.217 ng
 RT: 12.30 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BE099177.D
 Acq: 25 Mar 2019 11:14

Tgt Ion:142 Resp: 7620
 Ion Ratio Lower Upper
 142 100
 141 87.4 71.3 106.9
 115 37.6 30.4 45.6

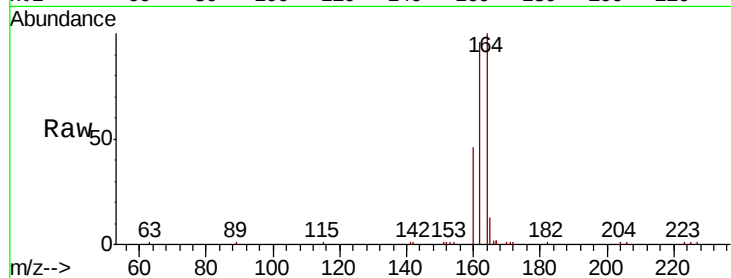




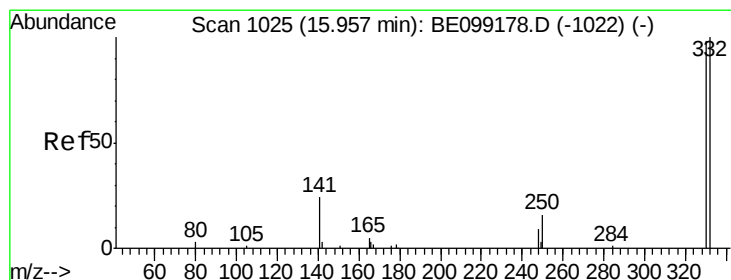
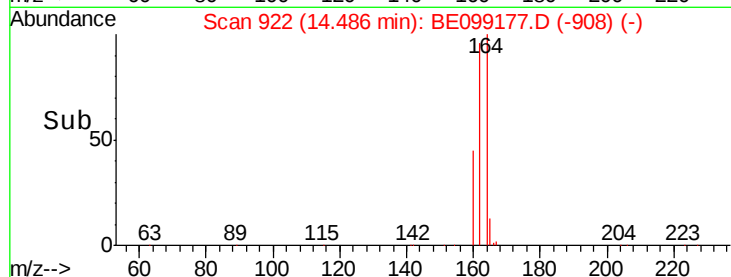
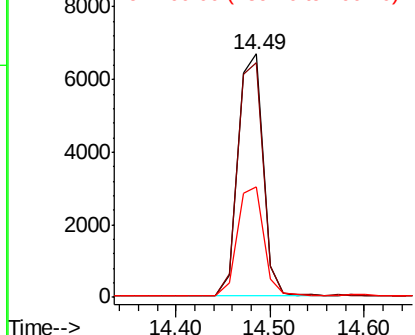
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 12321
Ion Ratio Lower Upper
164 100
162 96.2 79.2 118.8
160 45.6 36.7 55.1

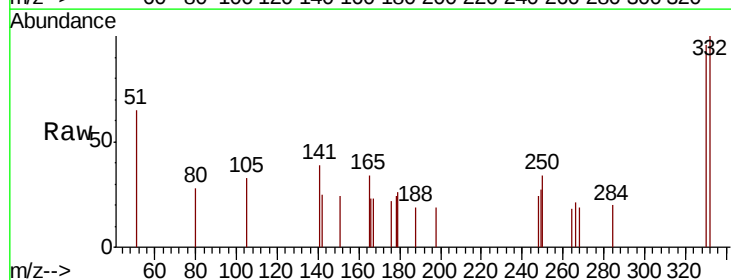


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

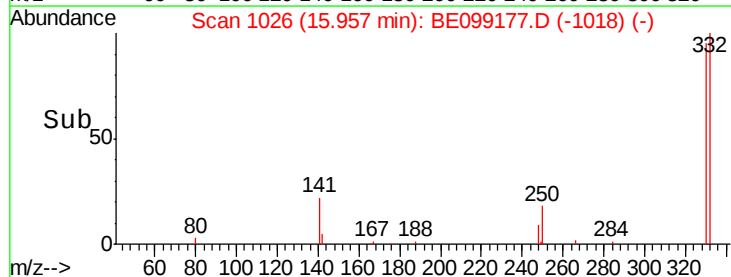
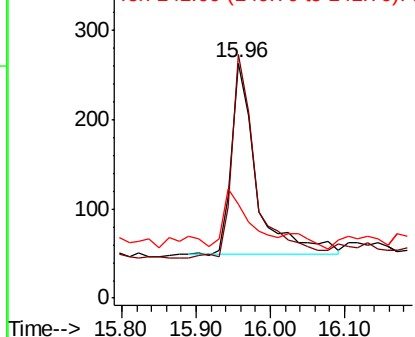


#14
2,4,6-Tribromophenol
Concen: 0.138 ng
RT: 15.96 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Tgt Ion:330 Resp: 501
Ion Ratio Lower Upper
330 100
332 101.6 71.3 106.9
141 30.1 21.7 32.5



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

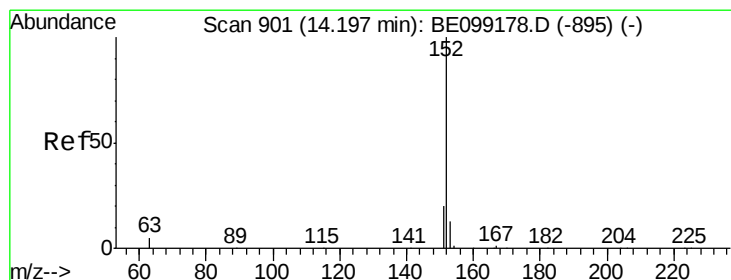
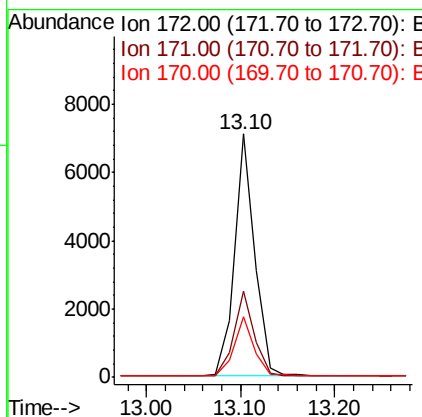
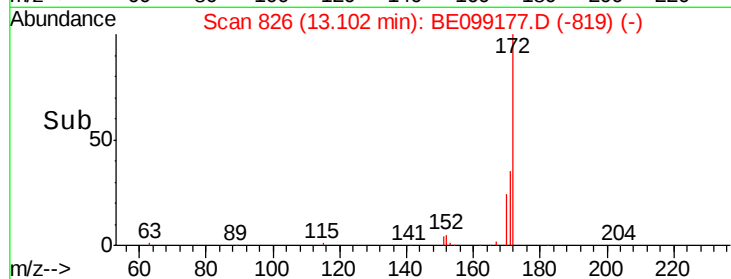
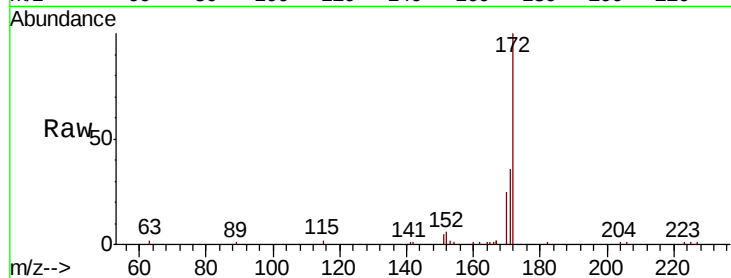




#15
2-Fluorobiphenyl
Concen: 0.214 ng
RT: 13.10 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

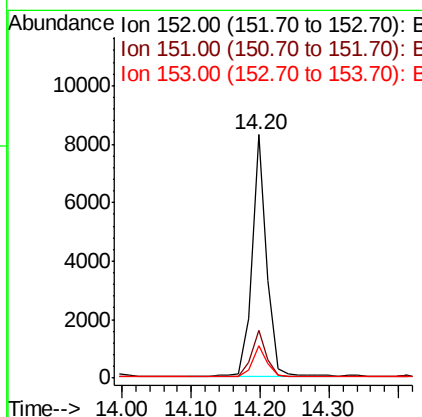
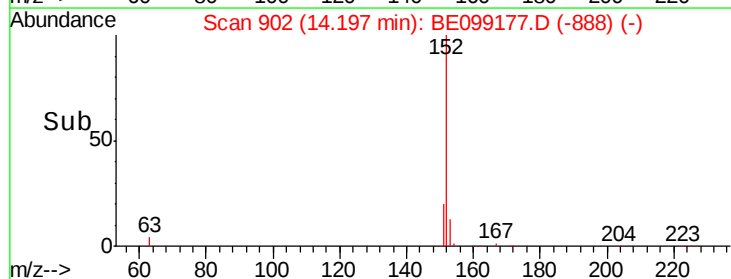
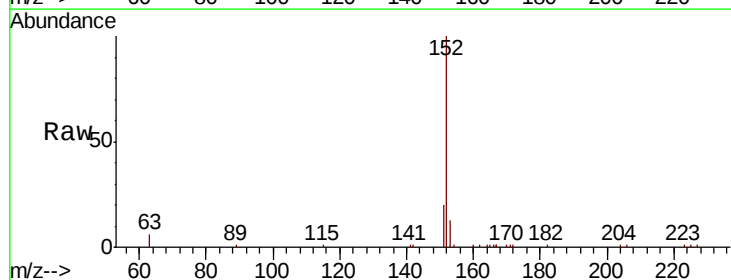
Instrument :
BNA_E
ClientSampleId :

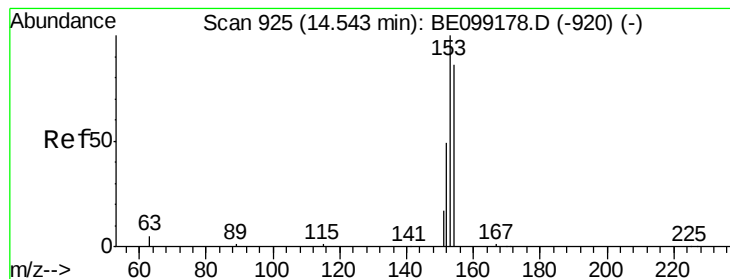
Tot Ion:172 Resp: 10497
Ion Ratio Lower Upper
172 100
171 35.5 27.4 41.0
170 24.9 19.1 28.7



#16
Acenaphthylene
Concen: 0.187 ng
RT: 14.20 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Tgt Ion:152 Resp: 12305
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.8 10.6 15.8





#17

Acenaphthene

Concen: 0.199 ng

RT: 14.54 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

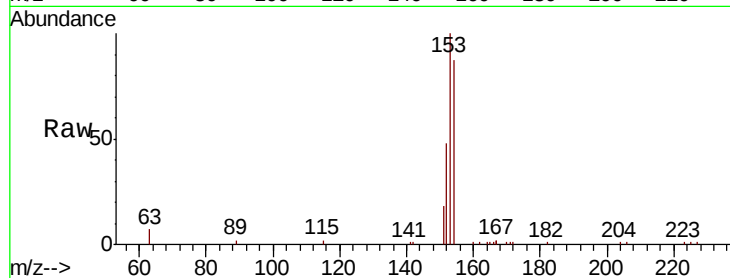
Tot Ion:154 Resp: 7775

Ion Ratio Lower Upper

154 100

153 117.9 93.4 140.0

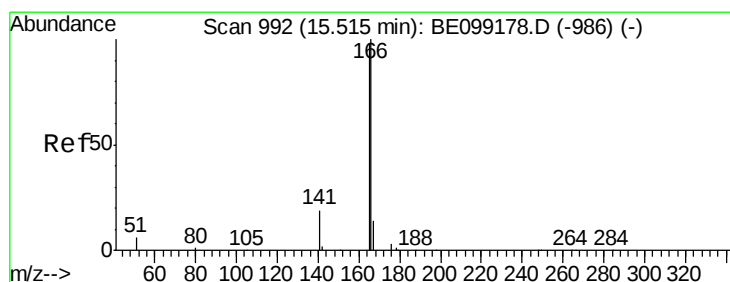
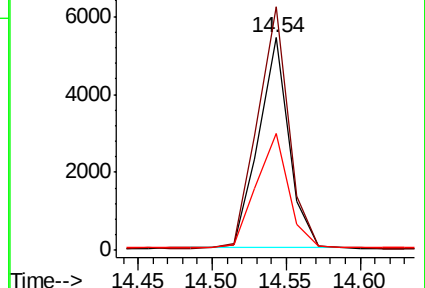
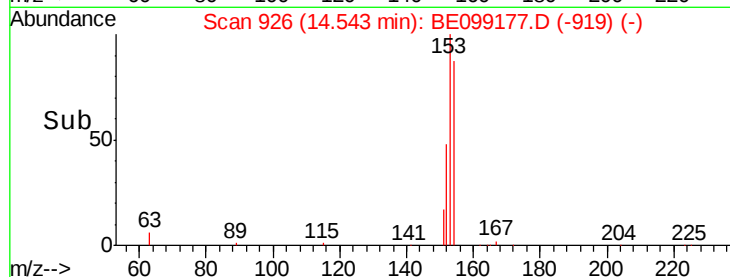
152 57.8 46.6 69.8



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: 0.190 ng

RT: 15.52 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

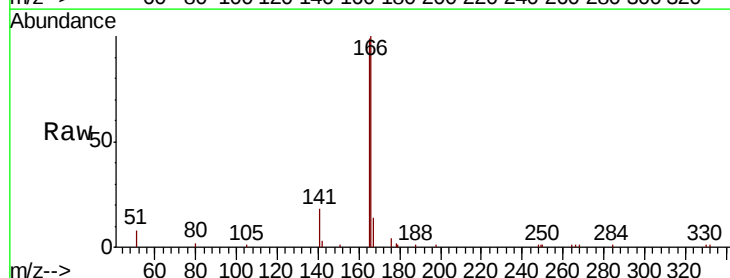
Tgt Ion:166 Resp: 10819

Ion Ratio Lower Upper

166 100

165 101.4 78.9 118.3

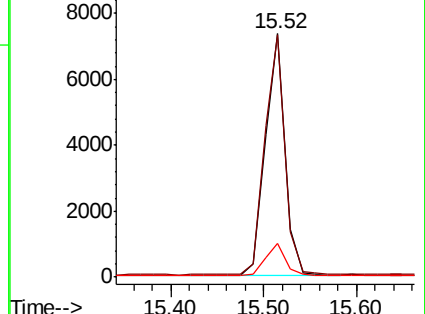
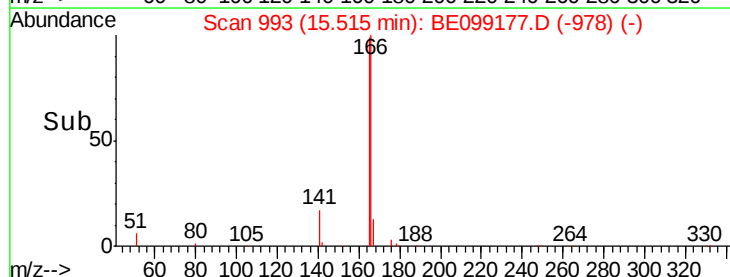
167 13.5 10.9 16.3

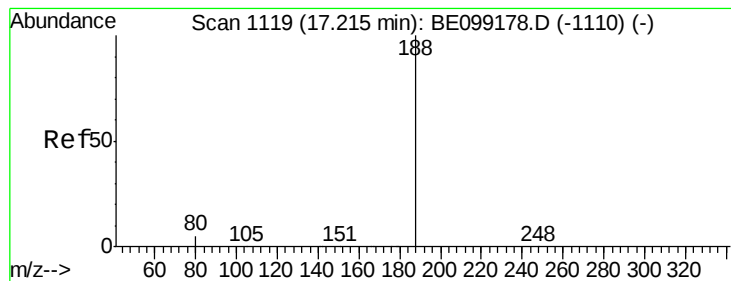


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampled :

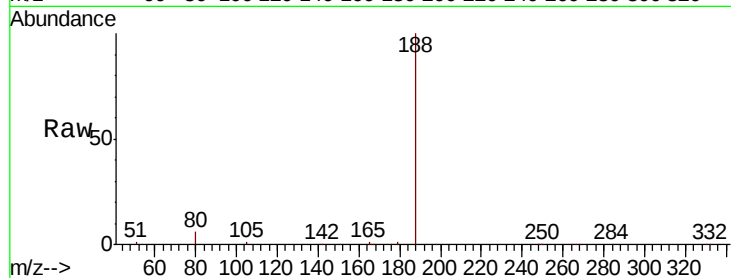
Tot Ion:188 Resp: 31389

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

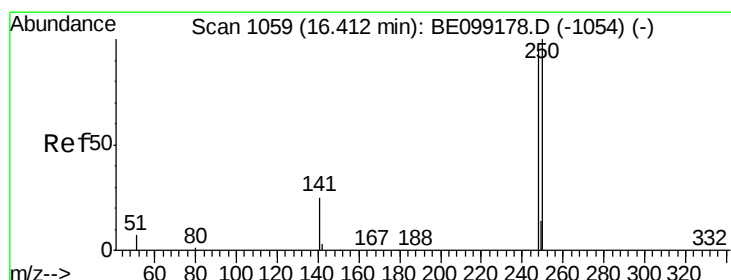
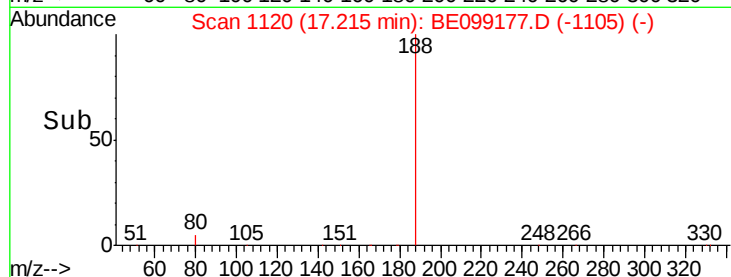
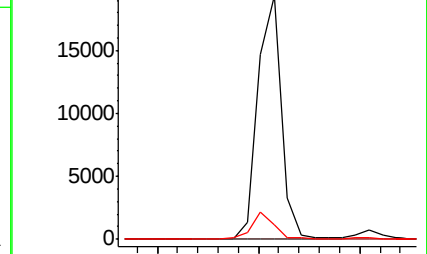
80 5.8 4.5 6.7



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: 0.232 ng

RT: 16.41 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

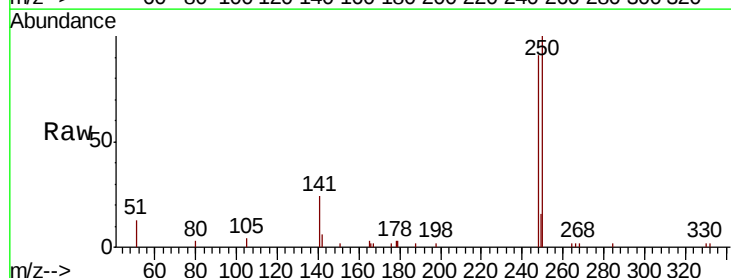
Tgt Ion:248 Resp: 4024

Ion Ratio Lower Upper

248 100

250 110.1 84.2 126.2

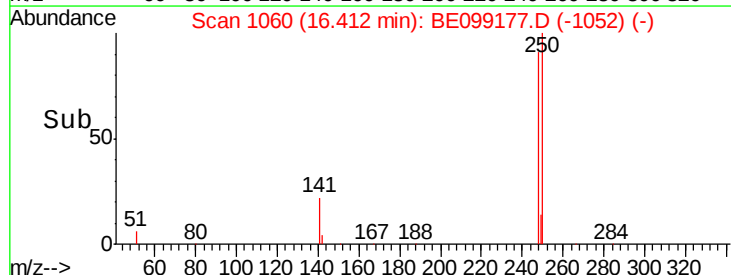
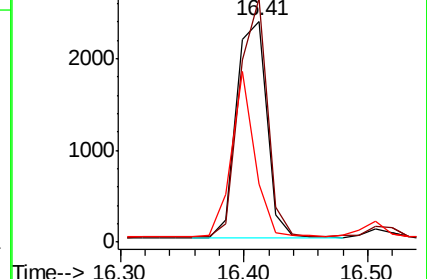
141 26.3 21.8 32.6

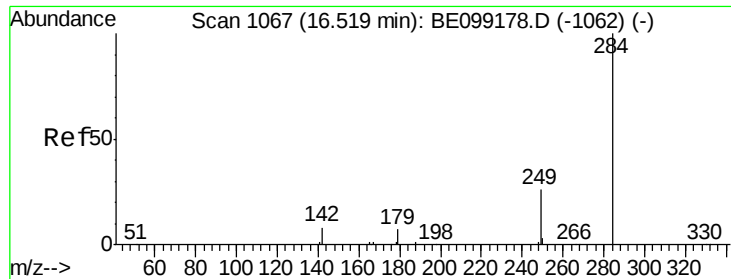


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

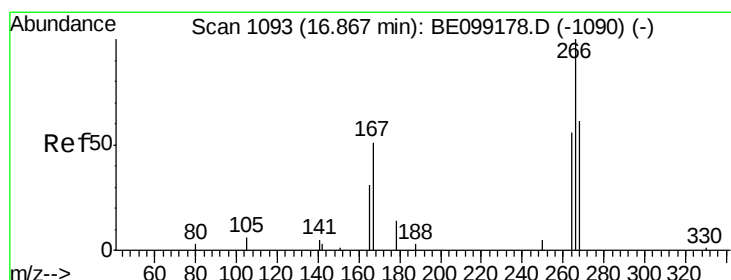
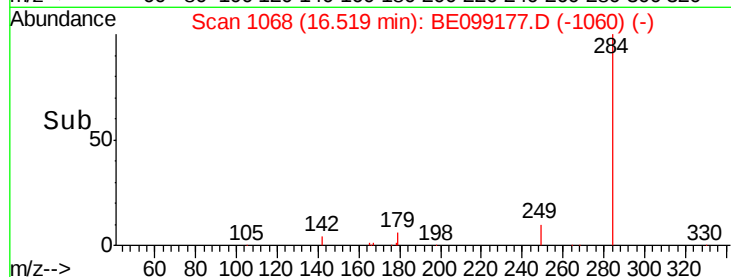
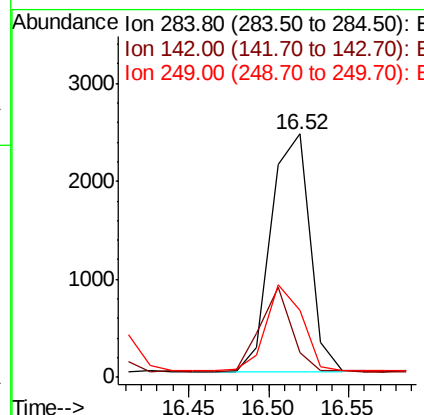
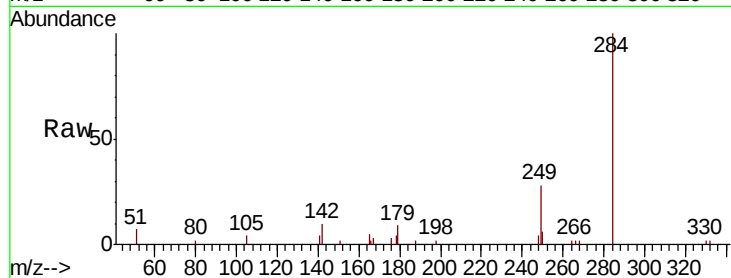




#21
Hexachlorobenzene
Concen: 0.255 ng
RT: 16.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

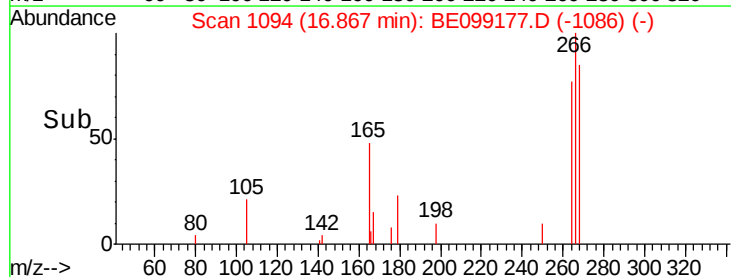
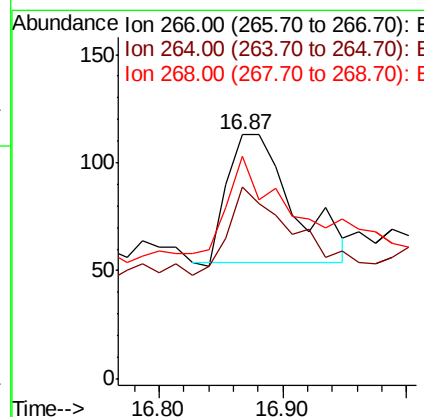
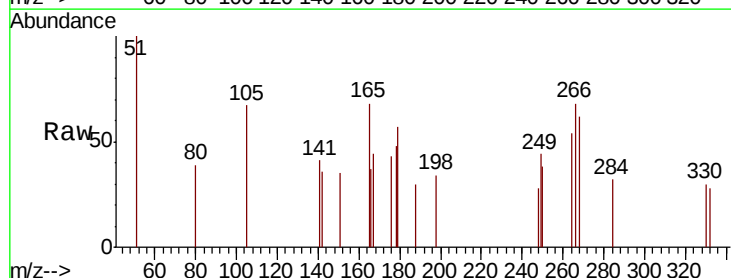
Instrument :
BNA_E
ClientSampleId :

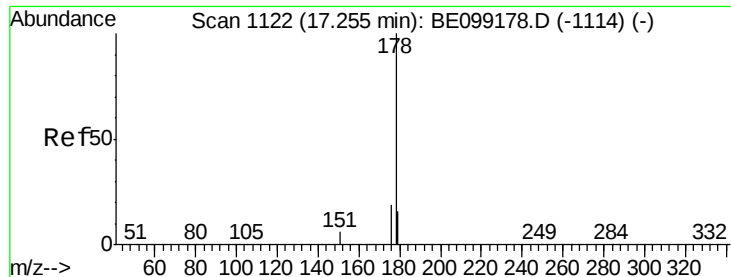
Tot Ion:284 Resp: 4122
Ion Ratio Lower Upper
284 100
142 29.4 22.7 34.1
249 33.3 26.9 40.3



#22
Pentachlorophenol
Concen: 0.284 ng
RT: 16.87 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Tgt Ion:266 Resp: 215
Ion Ratio Lower Upper
266 100
264 78.8 54.4 81.6
268 91.2 61.3 91.9





#23

Phenanthrene

Concen: 0.209 ng

RT: 17.26 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

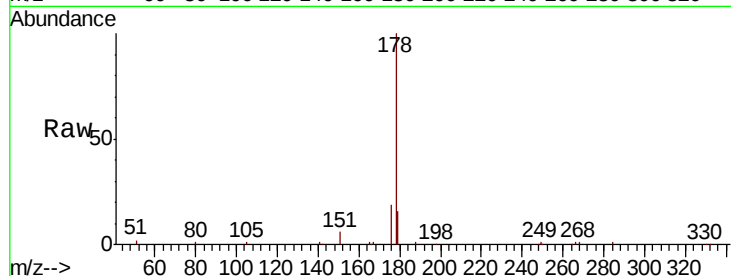
Tot Ion:178 Resp: 19477

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

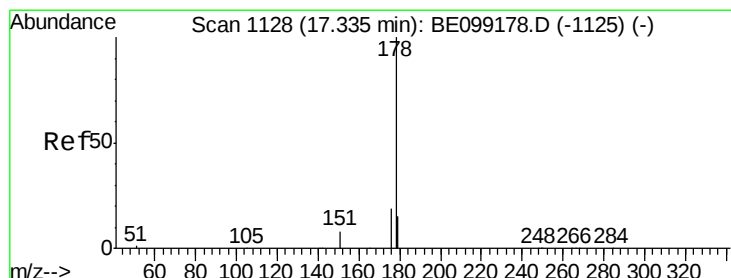
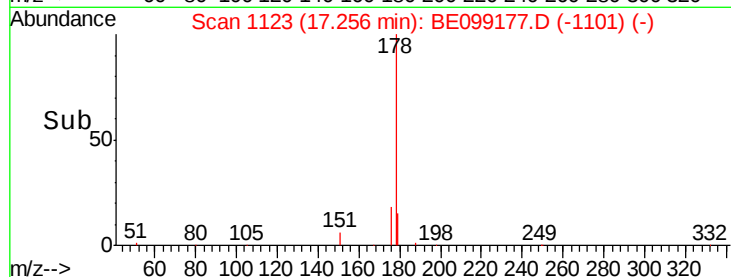
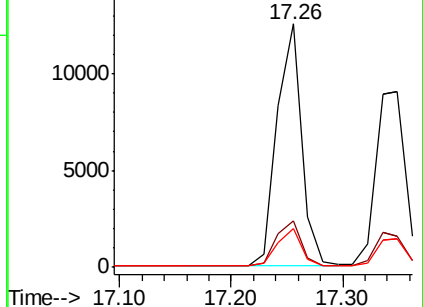
179 15.3 12.3 18.5



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



#24

Anthracene

Concen: 0.188 ng

RT: 17.35 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

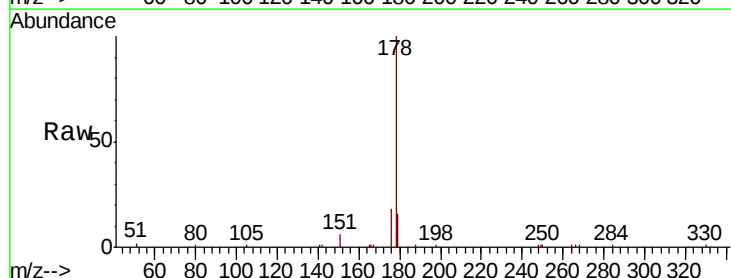
Tgt Ion:178 Resp: 16592

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

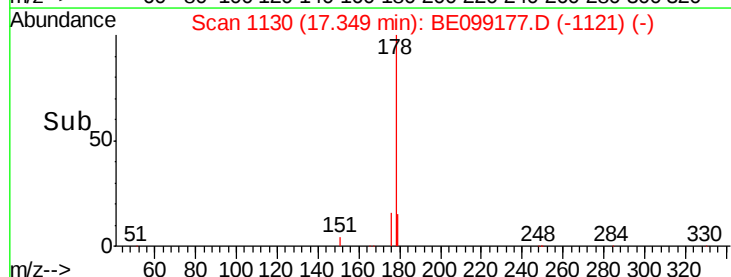
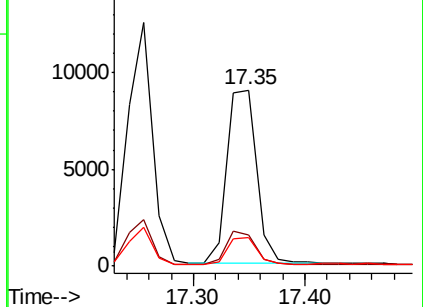
179 15.2 12.4 18.6

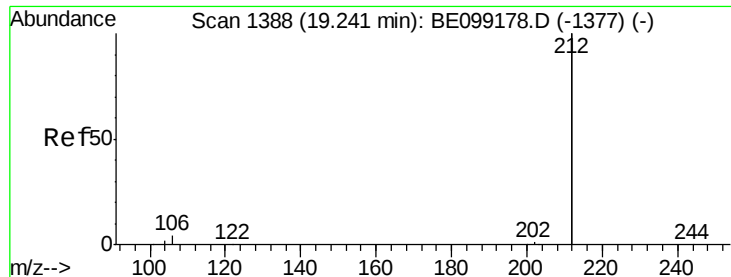


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.184 ng

RT: 19.24 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

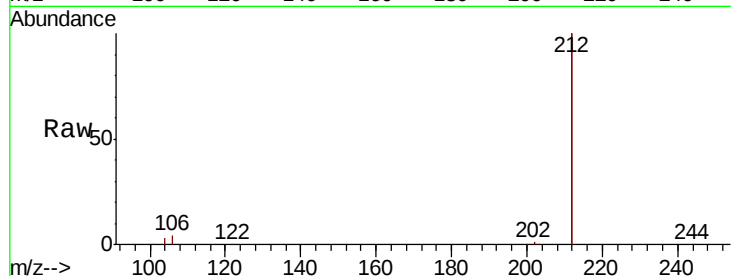
Tot Ion:212 Resp: 76909

Ion Ratio Lower Upper

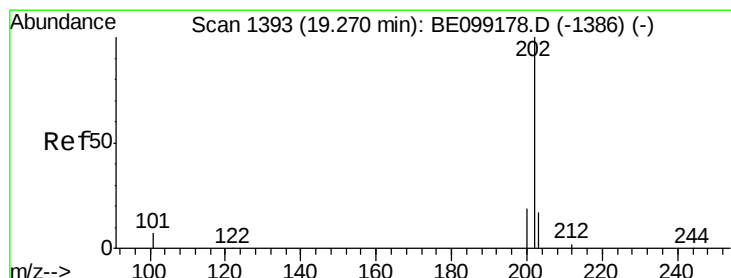
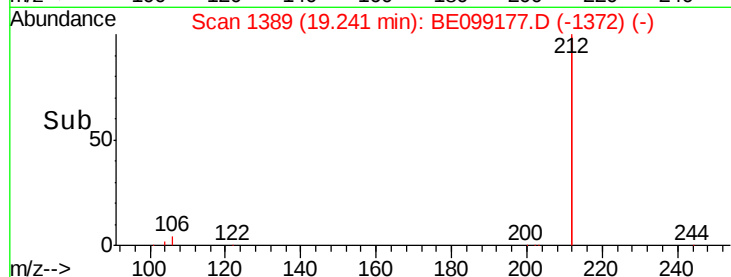
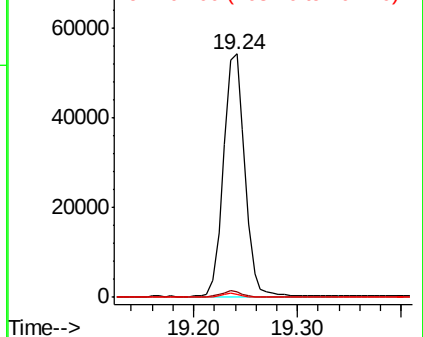
212 100

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: 0.183 ng

RT: 19.27 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

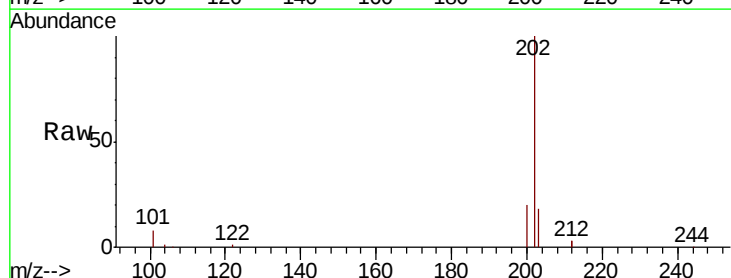
Tgt Ion:202 Resp: 24059

Ion Ratio Lower Upper

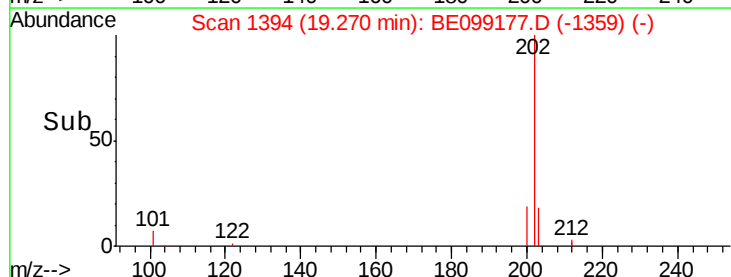
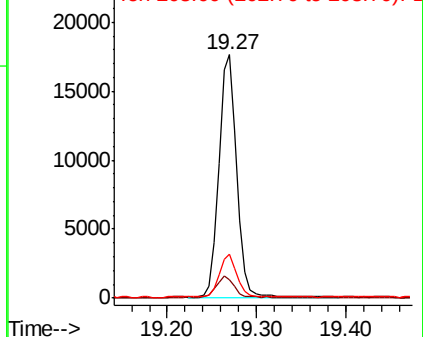
202 100

101 8.7 7.0 10.4

203 17.3 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

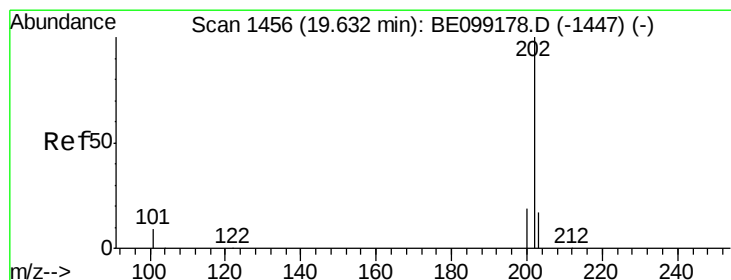
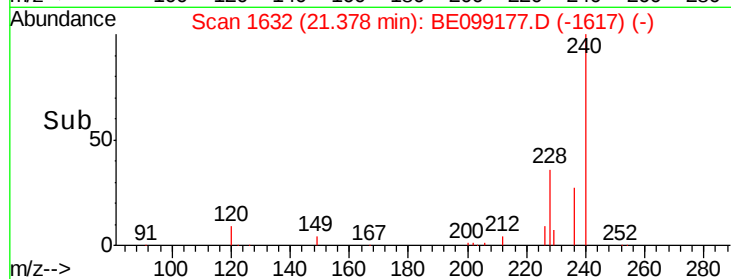
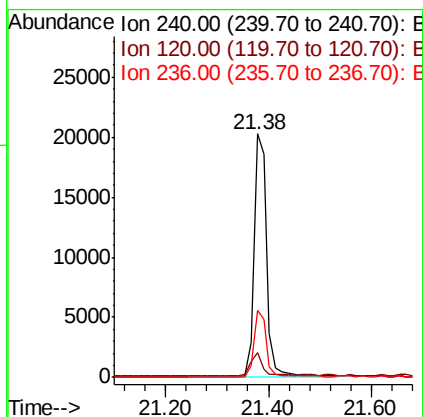
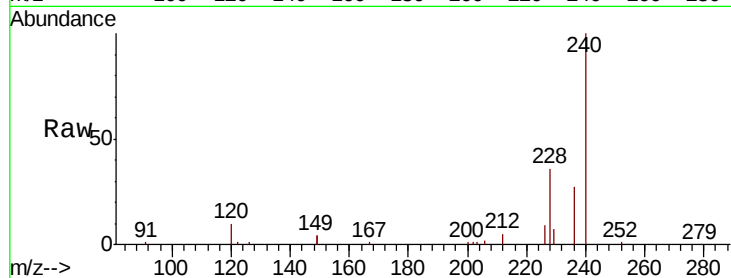




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099177.D
 Acq: 25 Mar 2019 11:14

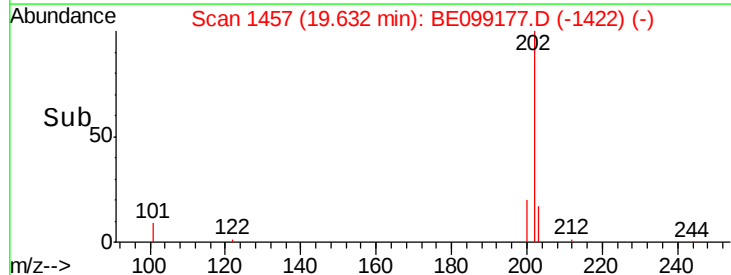
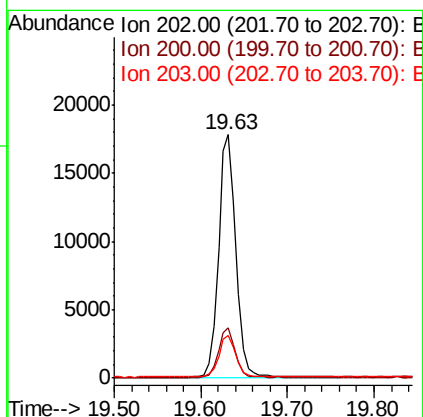
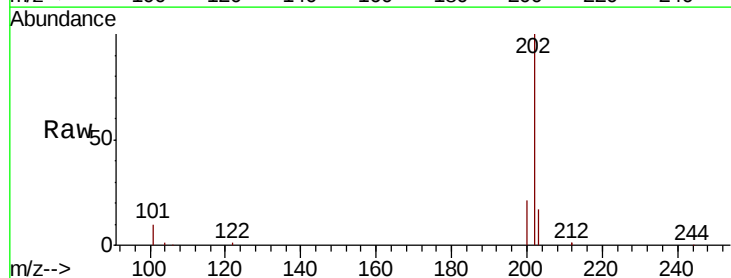
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:240 Resp: 34468
 Ion Ratio Lower Upper
 240 100
 120 10.1 2.6 3.8#
 236 27.4 20.9 31.3



#28
 Pyrene
 Concen: 0.212 ng
 RT: 19.63 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BE099177.D
 Acq: 25 Mar 2019 11:14

Tgt Ion:202 Resp: 24813
 Ion Ratio Lower Upper
 202 100
 200 20.0 15.8 23.8
 203 17.1 14.1 21.1





#29

Terphenyl-d14

Concen: 0.215 ng

RT: 19.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

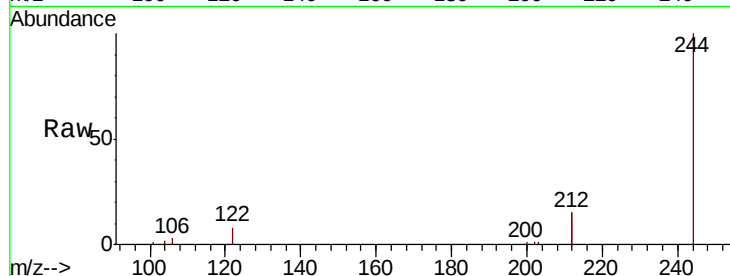
Tot Ion:244 Resp: 15703

Ion Ratio Lower Upper

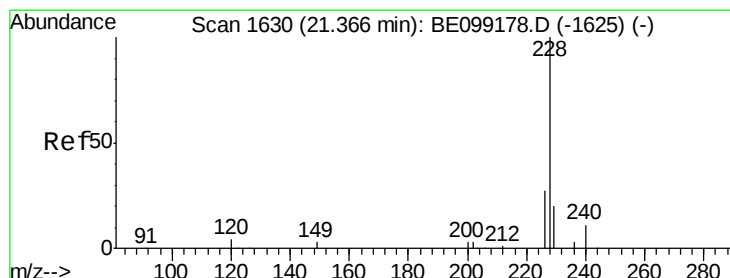
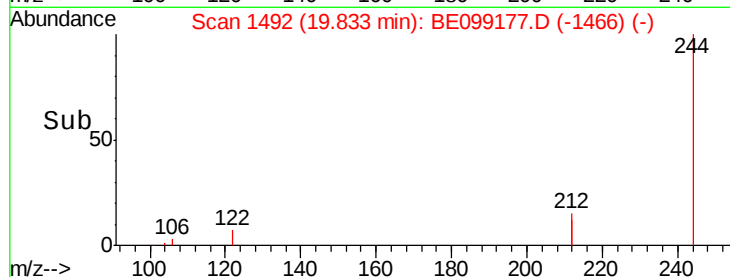
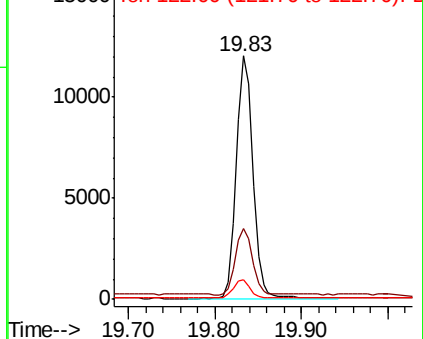
244 100

212 29.0 22.7 34.1

122 7.9 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: 0.195 ng

RT: 21.37 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

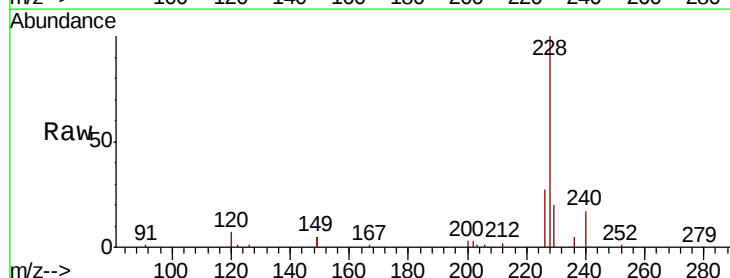
Tgt Ion:228 Resp: 23722

Ion Ratio Lower Upper

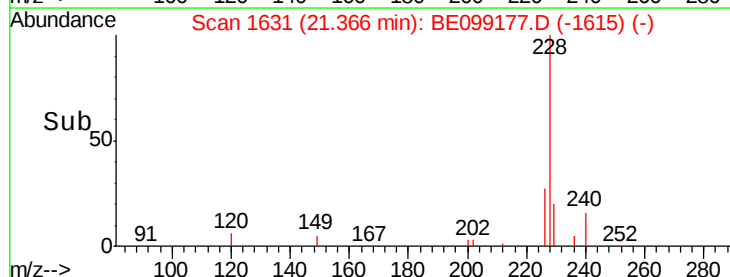
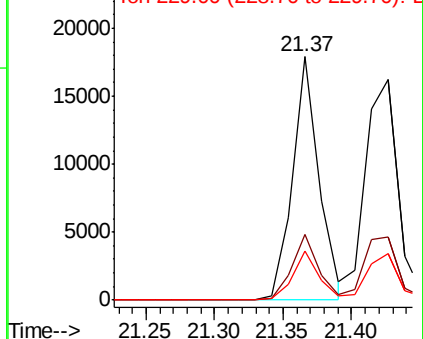
228 100

226 26.9 21.7 32.5

229 20.0 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: 0.217 ng

RT: 21.43 min Scan# 1636

Delta R.T. 0.01 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampled :

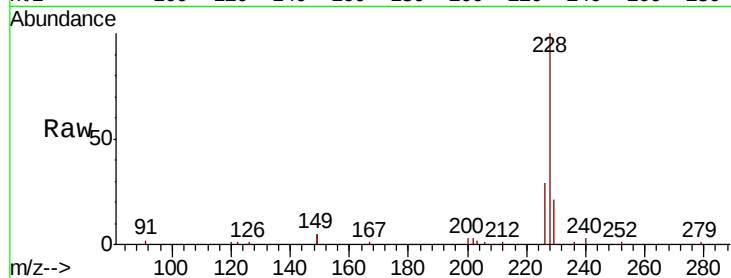
Tot Ion:228 Resp: 26362

Ion Ratio Lower Upper

228 100

226 28.9 24.8 37.2

229 21.2 15.4 23.0

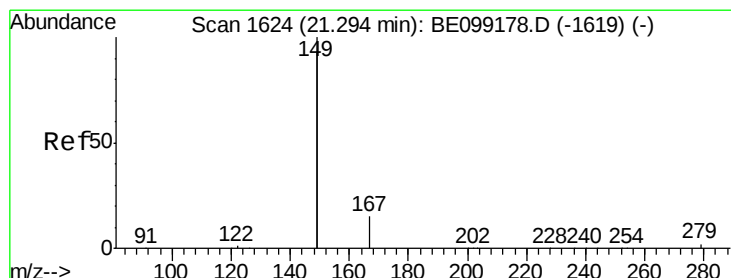
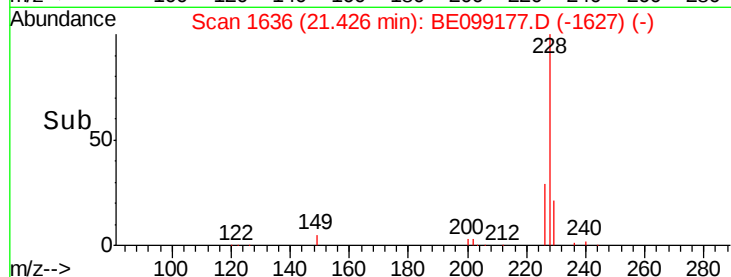
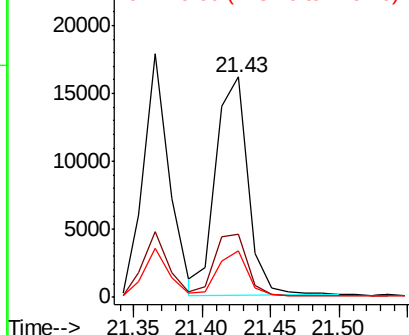


Abundance

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: 0.167 ng

RT: 21.29 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

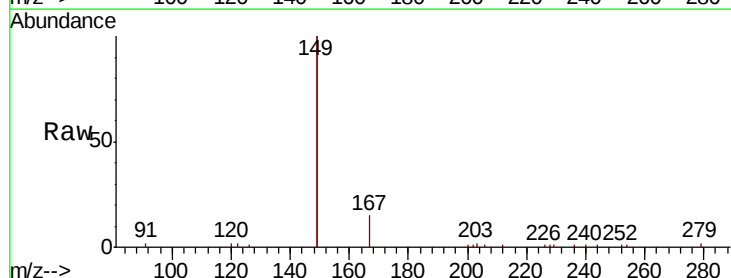
Tgt Ion:149 Resp: 26337

Ion Ratio Lower Upper

149 100

167 7.6 5.9 8.9

279 1.2 1.0 1.6

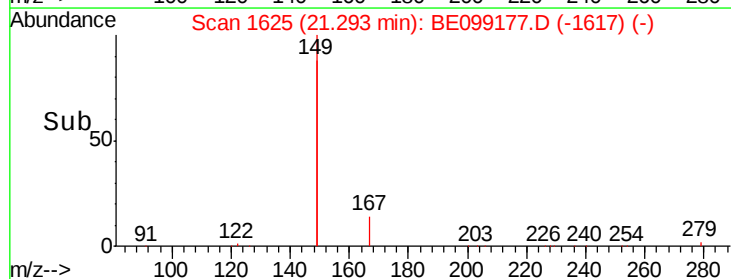
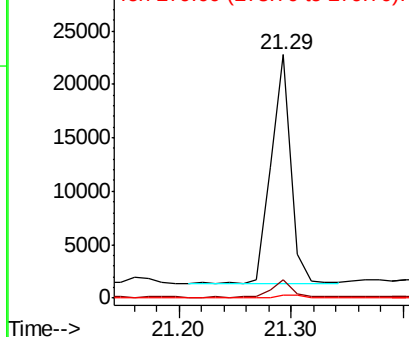


Abundance

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: 0.180 ng

RT: 26.56 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :

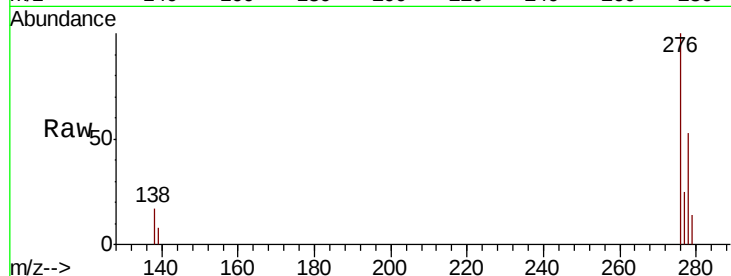
Tot Ion:276 Resp: 23421

Ion Ratio Lower Upper

276 100

138 14.6 12.9 19.3

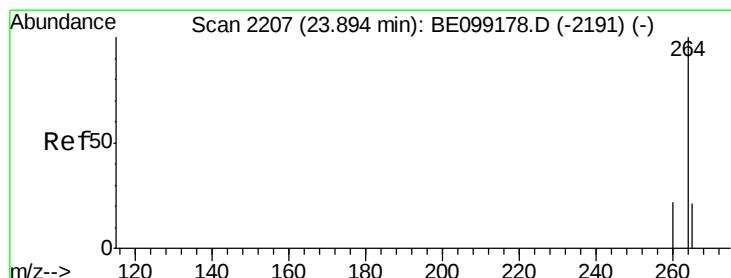
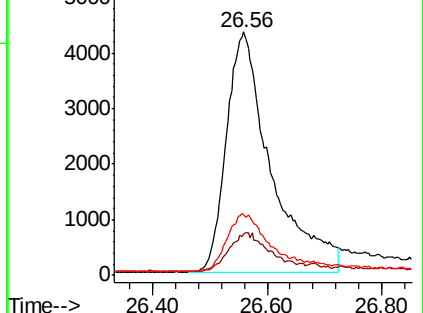
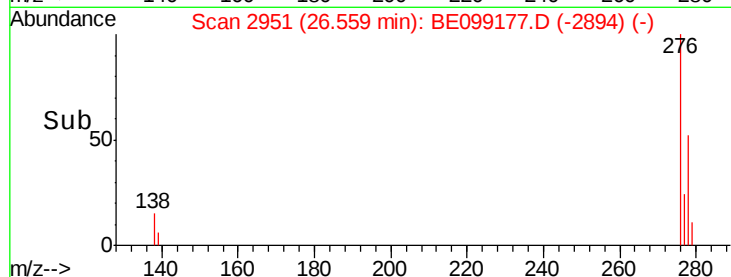
277 23.1 18.3 27.5



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: 23.89 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

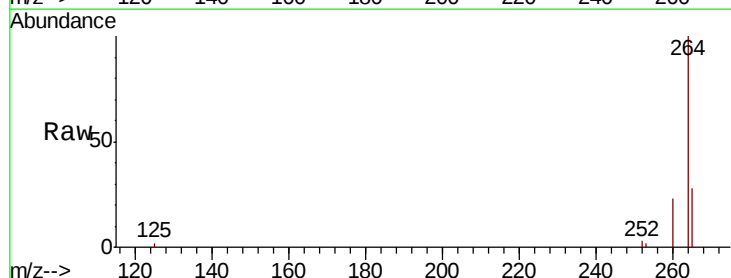
Tgt Ion:264 Resp: 35165

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.2

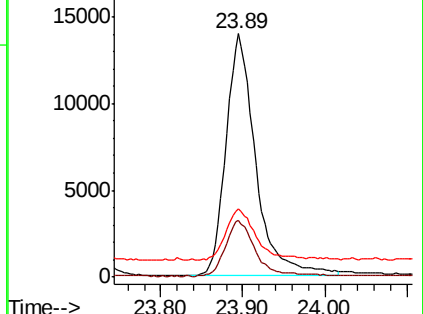
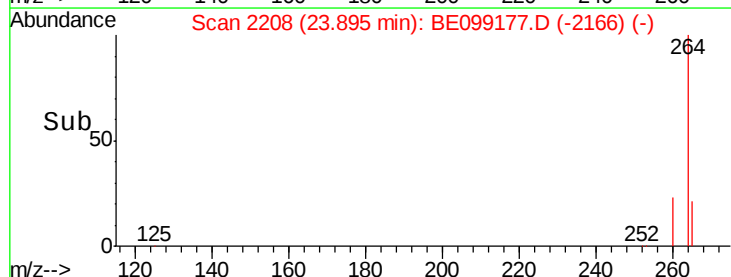
265 27.8 21.8 32.8



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

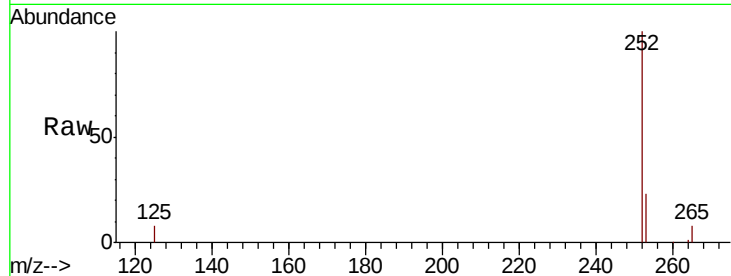




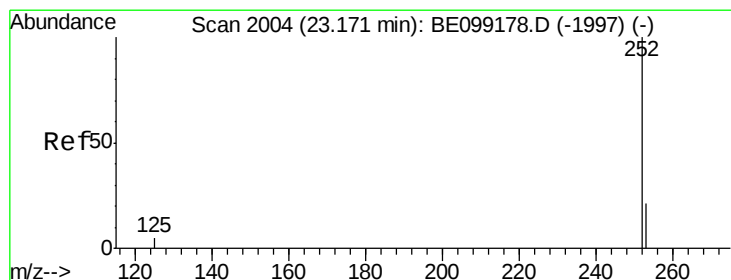
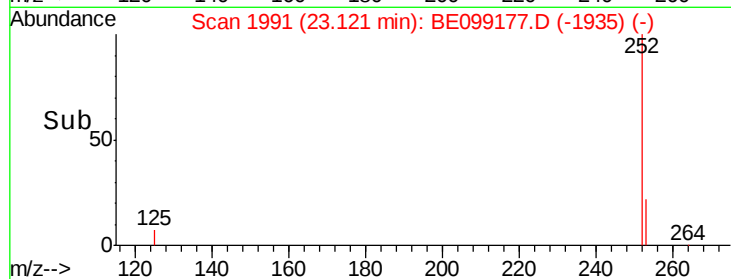
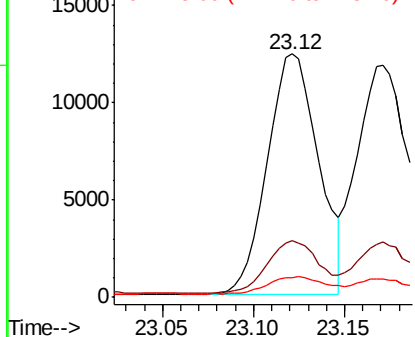
#35
Benzo(b)fluoranthene
Concen: 0.198 ng
RT: 23.12 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 24129
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.2 6.1 9.1

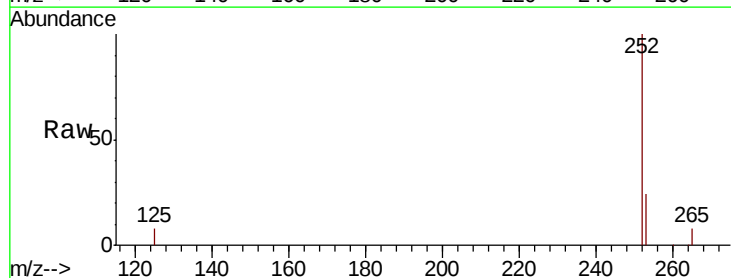


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

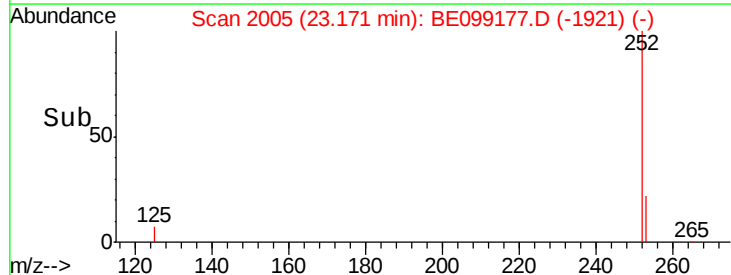
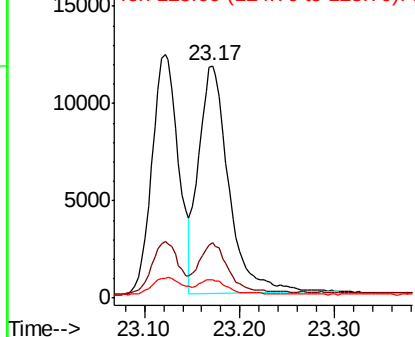


#36
Benzo(k)fluoranthene
Concen: 0.218 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Tgt Ion:252 Resp: 26022
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 8.1 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

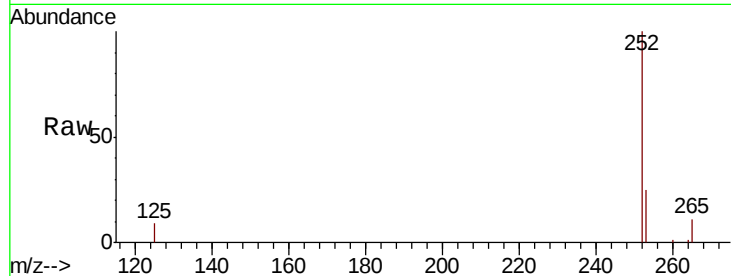




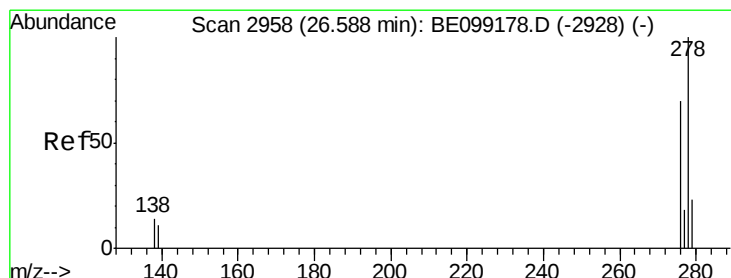
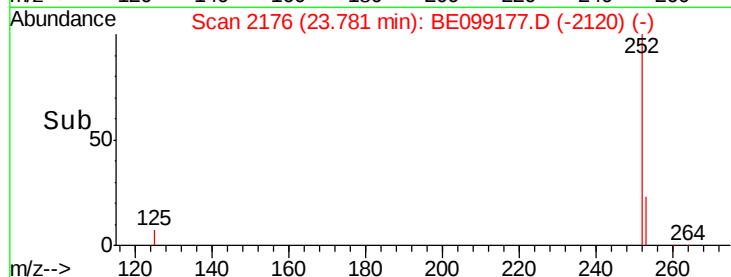
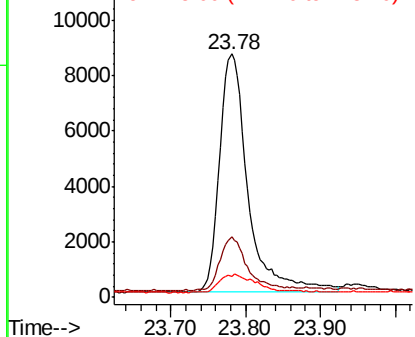
#37
Benzo(a)pyrene
Concen: 0.202 ng
RT: 23.78 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 22750
Ion Ratio Lower Upper
252 100
253 25.1 18.1 27.1
125 8.8 6.8 10.2

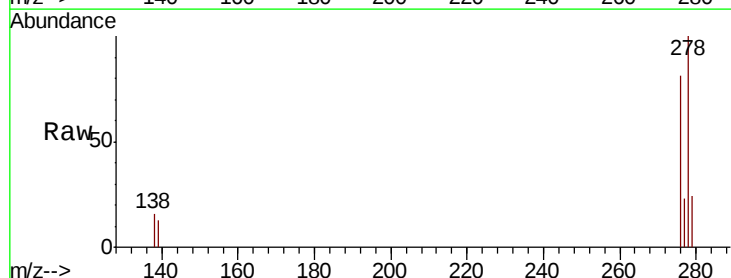


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

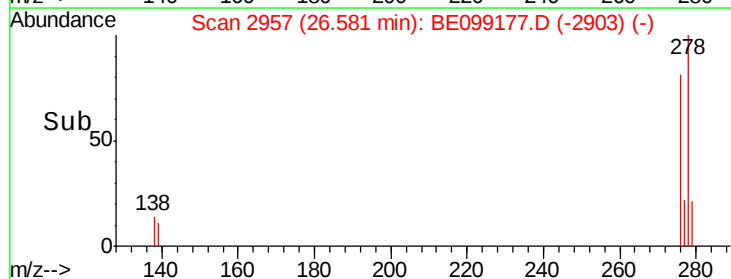
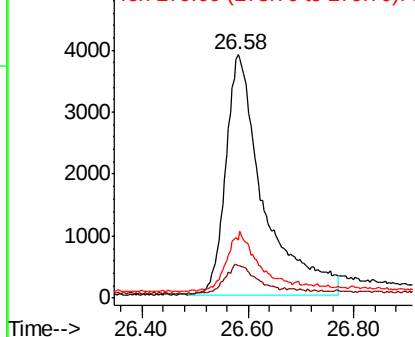


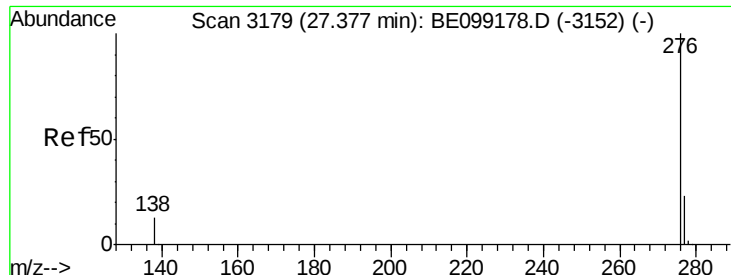
#38
Dibenzo(a,h)anthracene
Concen: 0.176 ng
RT: 26.58 min Scan# 2957
Delta R.T. -0.01 min
Lab File: BE099177.D
Acq: 25 Mar 2019 11:14

Tgt Ion:278 Resp: 19223
Ion Ratio Lower Upper
278 100
139 13.5 9.5 14.3
279 24.0 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: 0.165 ng

RT: 27.38 min Scan# 3180

Delta R.T. -0.00 min

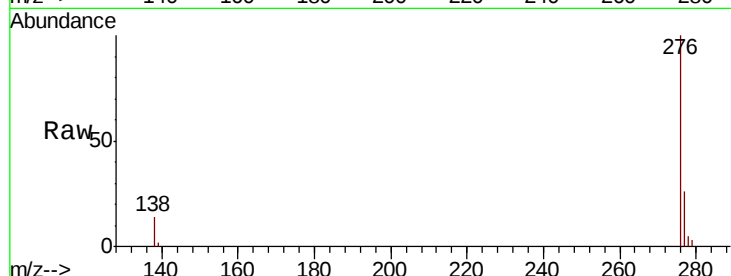
Lab File: BE099177.D

Acq: 25 Mar 2019 11:14

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 18555

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.4

138 14.5 11.1 16.7

