

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051419\
 Data File : BE099607.D
 Acq On : 14 May 2019 16:29
 Operator : JU/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 14 19:09:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1582	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5478	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3710	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10384	0.40	ng	0.00
27) Chrysene-d12	21.41	240	14171	0.40	ng	0.00
34) Perylene-d12	23.96	264	17847	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1659	0.38	ng	0.00
5) Phenol-d6	6.98	99	2047	0.36	ng	0.00
8) Nitrobenzene-d5	8.98	82	1866	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3336	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	913	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	5034	0.35	ng	0.00
25) Fluoranthene-d10	19.27	212	49103	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	9912	0.39	ng	0.00

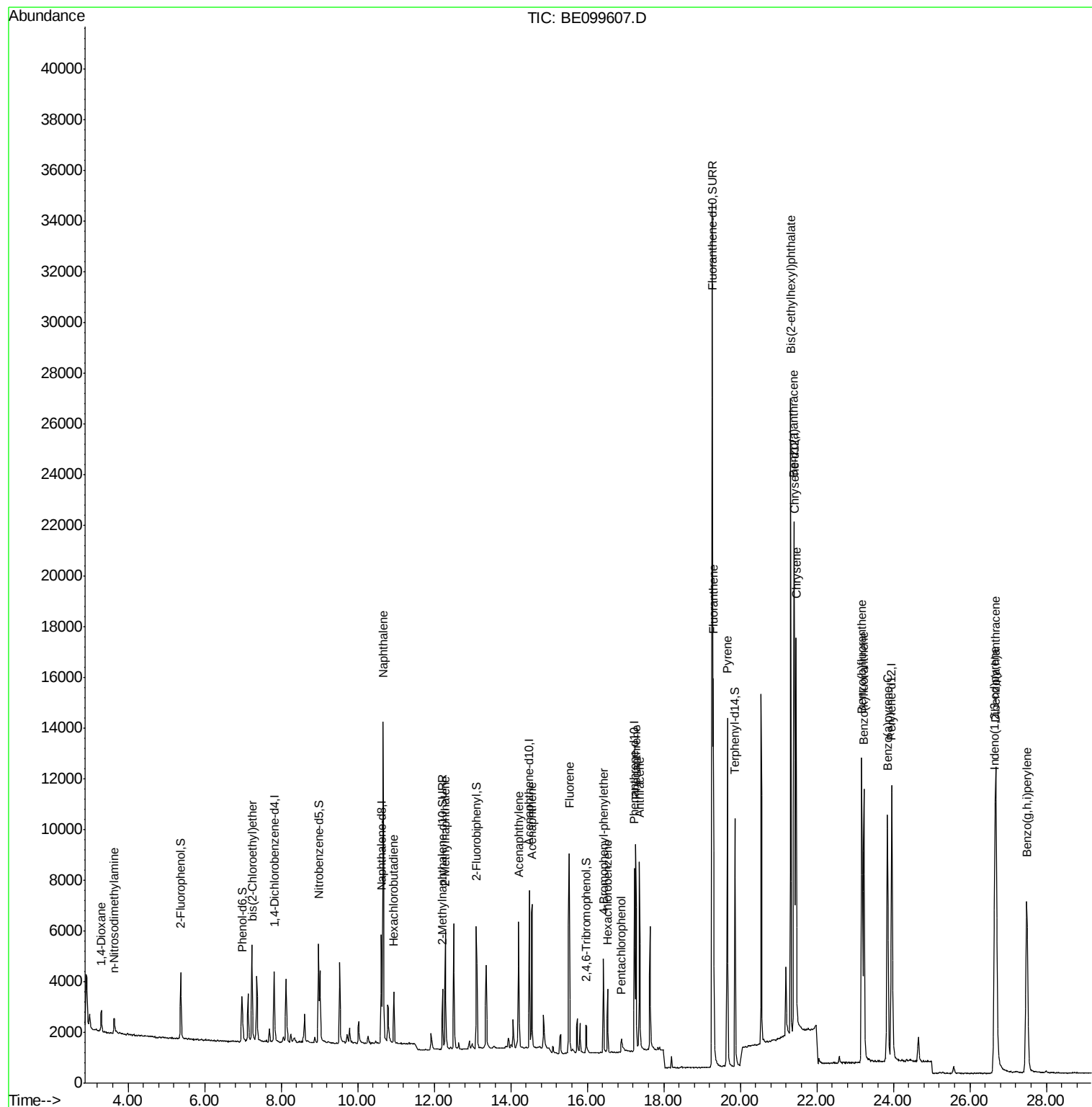
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	942	0.422	ng	100
3) n-Nitrosodimethylamine	3.62	42	476	0.345	ng	99
6) bis(2-Chloroethyl)ether	7.24	93	1737	0.368	ng	100
9) Naphthalene	10.67	128	20845	0.357	ng	100
10) Hexachlorobutadiene	10.94	225	1561	0.370	ng	100
12) 2-Methylnaphthalene	12.29	142	3476	0.365	ng	100
16) Acenaphthylene	14.21	152	6172	0.344	ng	100
17) Acenaphthene	14.56	154	3486	0.348	ng	100
18) Fluorene	15.53	166	5028	0.351	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2121	0.358	ng	100
21) Hexachlorobenzene	16.53	284	2115	0.356	ng	100
22) Pentachlorophenol	16.89	266	643	0.270	ng	100
23) Phenanthrene	17.27	178	9216	0.358	ng	100
24) Anthracene	17.36	178	8251	0.341	ng	100
26) Fluoranthene	19.29	202	13991	0.361	ng	100
28) Pyrene	19.66	202	14304	0.383	ng	100
30) Benzo(a)anthracene	21.40	228	16675	0.385	ng	100
31) Chrysene	21.46	228	17678	0.409	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	25106	0.404	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	22354	0.414	ng	100
35) Benzo(b)fluoranthene	23.17	252	17869	0.362	ng	100
36) Benzo(k)fluoranthene	23.23	252	17610	0.359	ng	100
37) Benzo(a)pyrene	23.84	252	17475	0.366	ng	100
38) Dibenzo(a,h)anthracene	26.68	278	18178	0.364	ng	100
39) Benzo(g,h,i)perylene	27.49	276	18552	0.367	ng	100

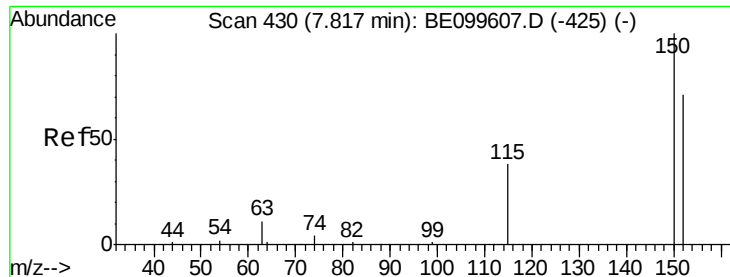
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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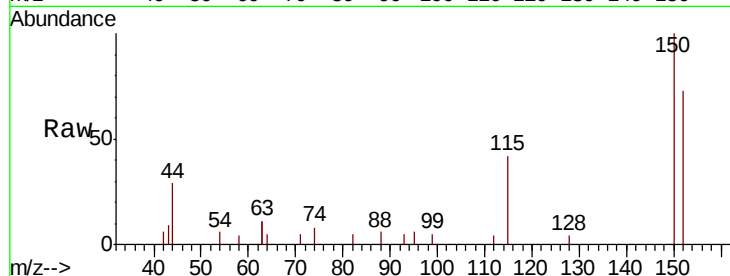


#1

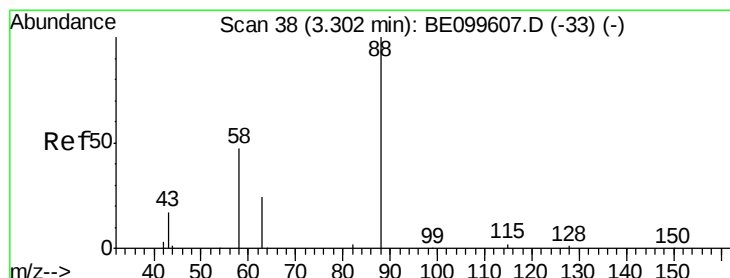
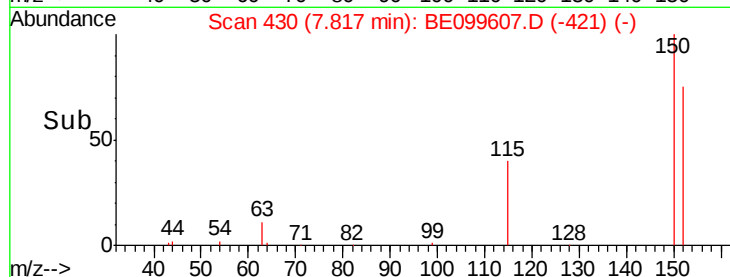
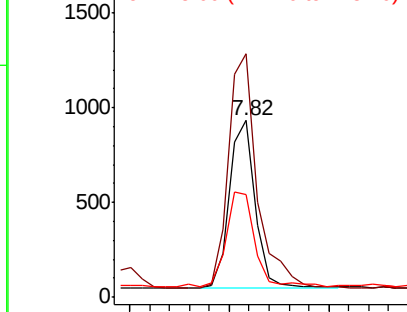
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1582
Ion Ratio Lower Upper
152 100
150 137.6 110.1 165.1
115 57.8 46.2 69.4



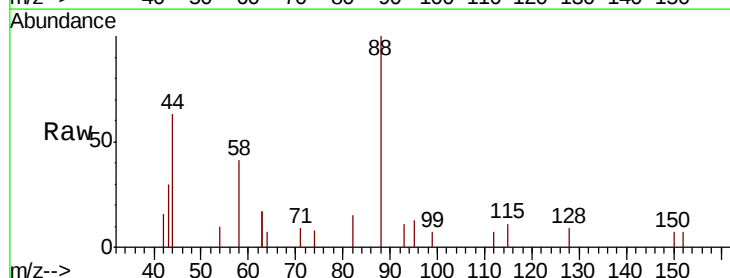
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



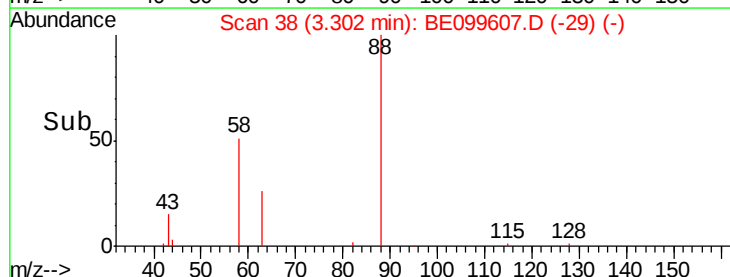
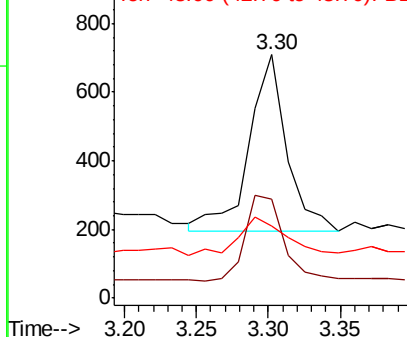
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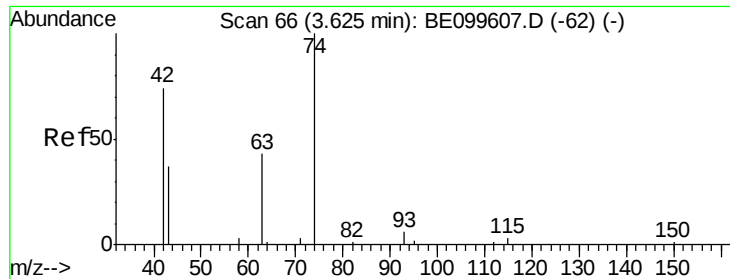
1,4-Dioxane
Concen: 0.422 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

Tgt Ion: 88 Resp: 942
Ion Ratio Lower Upper
88 100
58 49.7 39.8 59.6
43 26.3 21.0 31.6



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



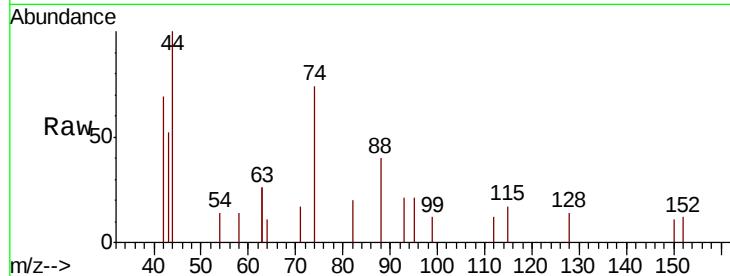


#3

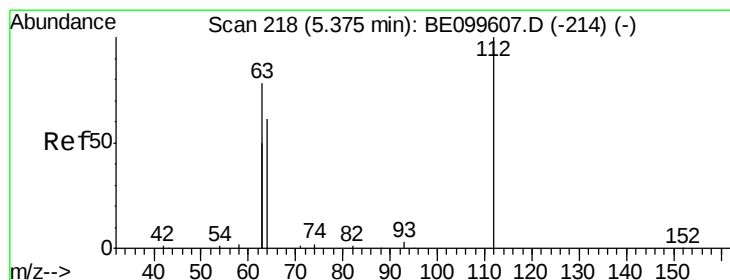
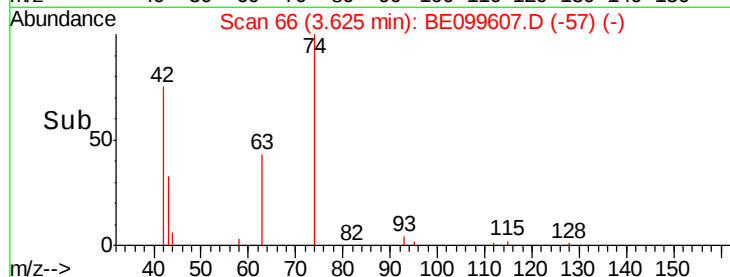
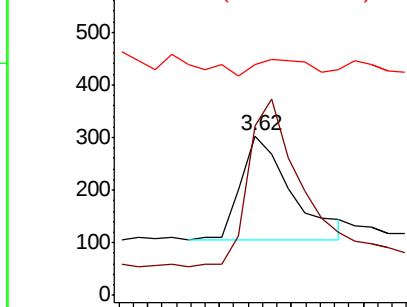
n-Nitrosodimethylamine
 Concen: 0.345 ng
 RT: 3.62 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: BE099607.D
 Acq: 14 May 2019 16:29

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 476
 Ion Ratio Lower Upper
 42 100
 74 167.6 134.7 202.1
 44 16.2 12.5 18.7



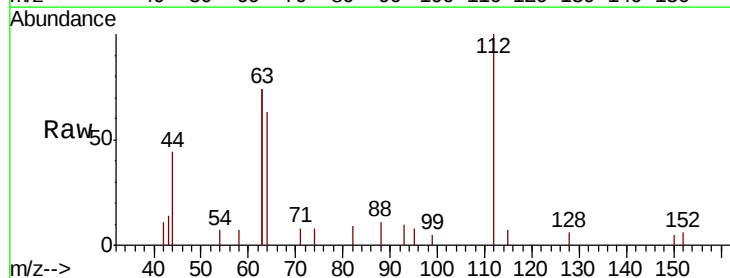
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



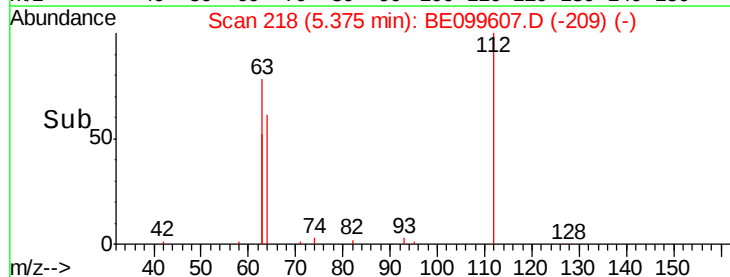
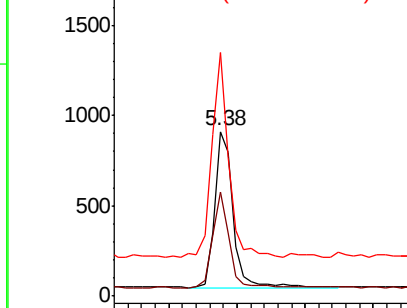
#4

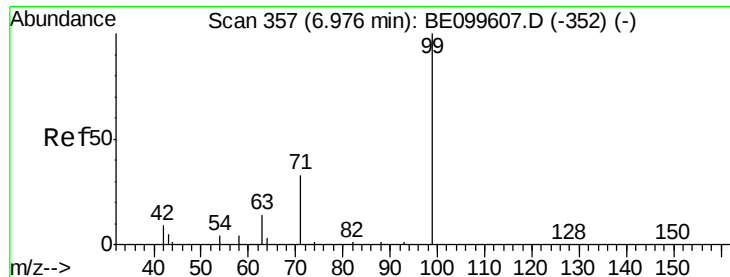
2-Fluorophenol
 Concen: 0.383 ng
 RT: 5.38 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE099607.D
 Acq: 14 May 2019 16:29

Tgt Ion: 112 Resp: 1659
 Ion Ratio Lower Upper
 112 100
 64 54.6 43.7 65.5
 63 116.5 94.0 141.0



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: 0.360 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampled :

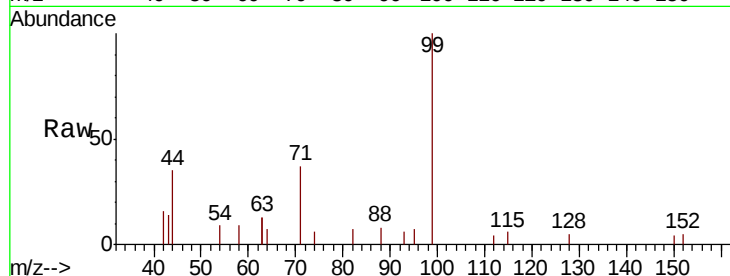
Tot Ion: 99 Resp: 2047

Ion Ratio Lower Upper

99 100

42 17.9 14.3 21.5

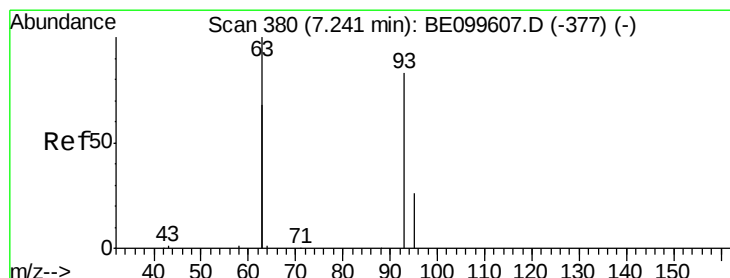
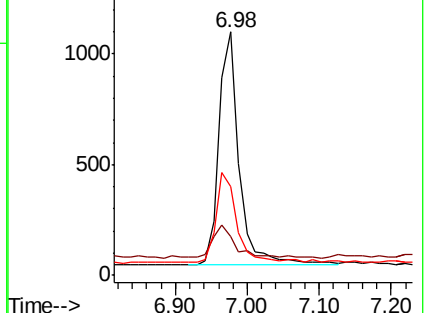
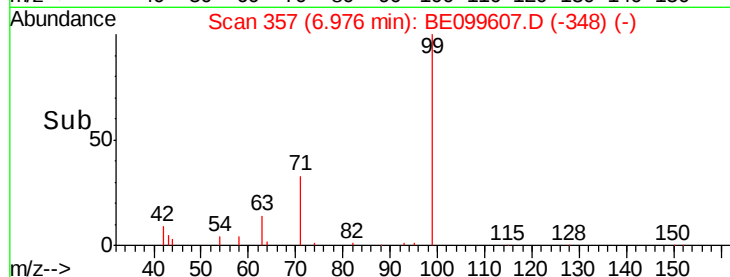
71 41.4 33.1 49.7



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: 0.368 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

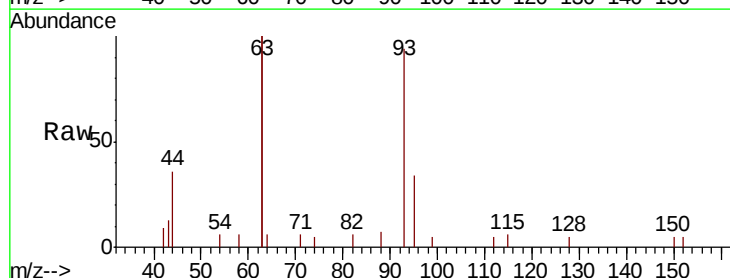
Tgt Ion: 93 Resp: 1737

Ion Ratio Lower Upper

93 100

63 251.2 201.0 301.4

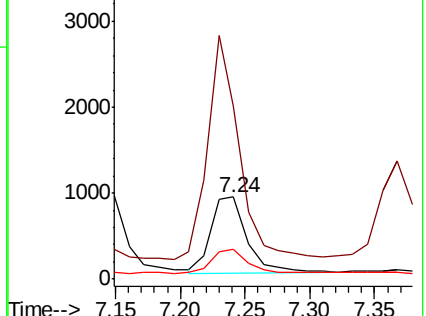
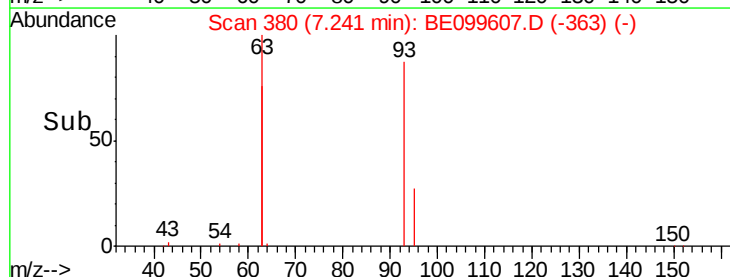
95 31.2 25.0 37.4

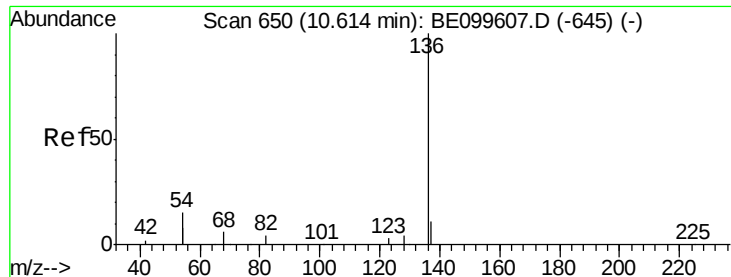


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5478

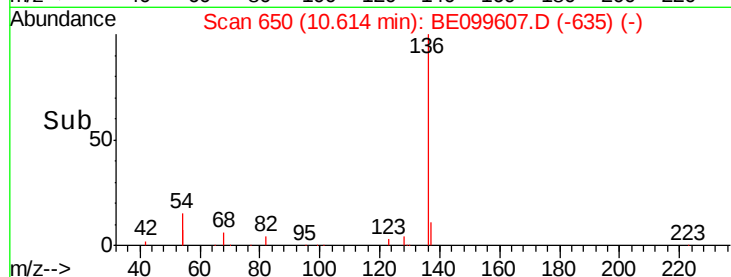
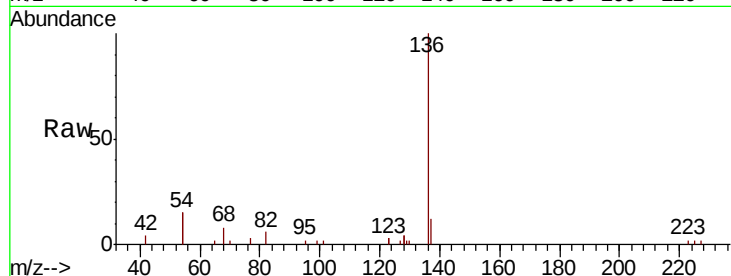
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 29.8 23.8 35.8

68 7.7 6.2 9.2

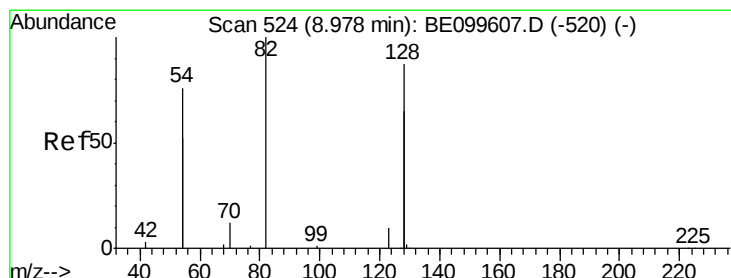
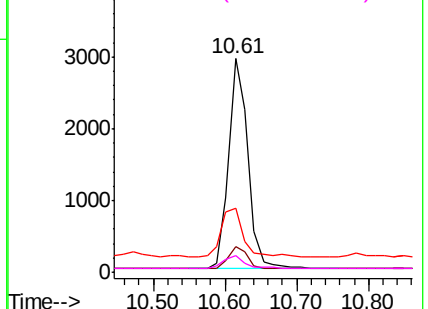


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.363 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

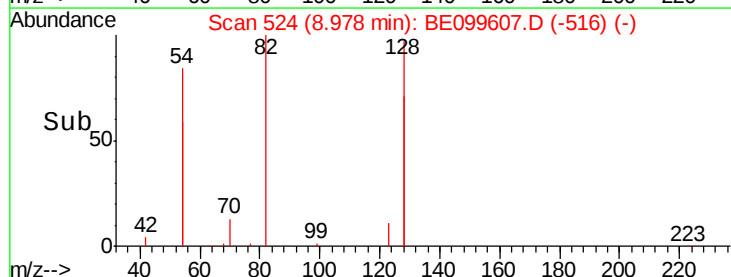
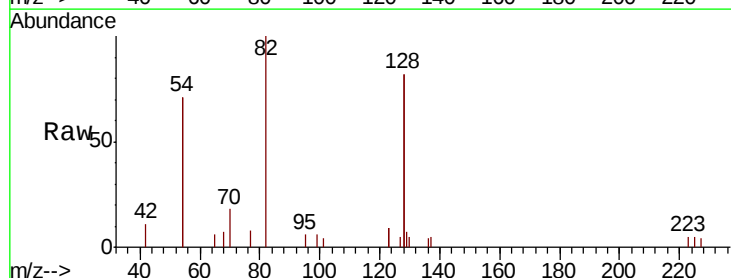
Tgt Ion: 82 Resp: 1866

Ion Ratio Lower Upper

82 100

128 164.3 131.4 197.2

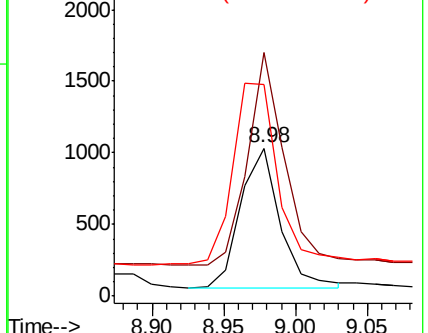
54 142.4 113.9 170.9

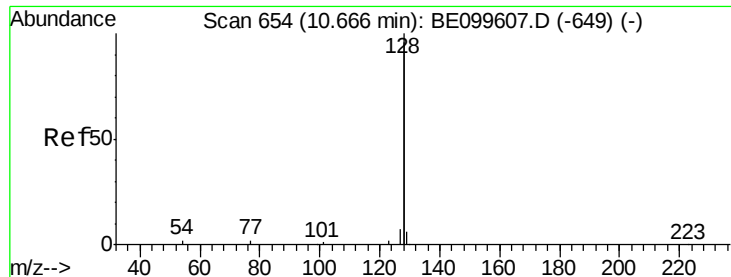


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.357 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

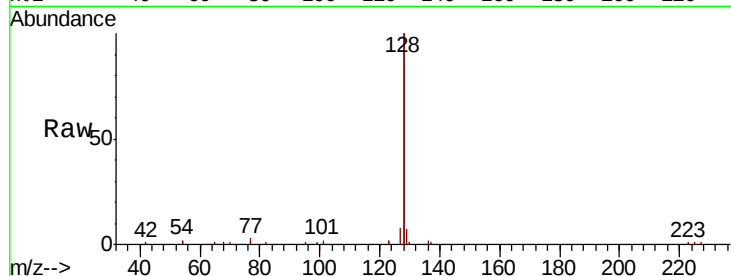
Tot Ion:128 Resp: 20845

Ion Ratio Lower Upper

128 100

129 3.3 2.6 4.0

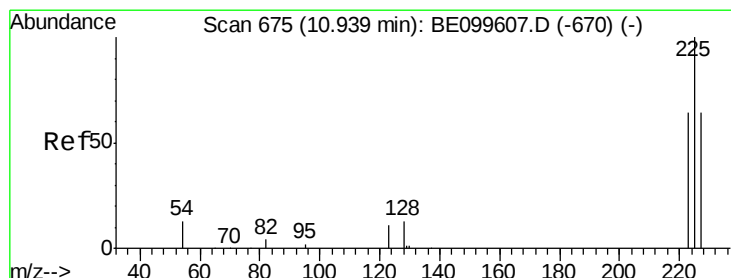
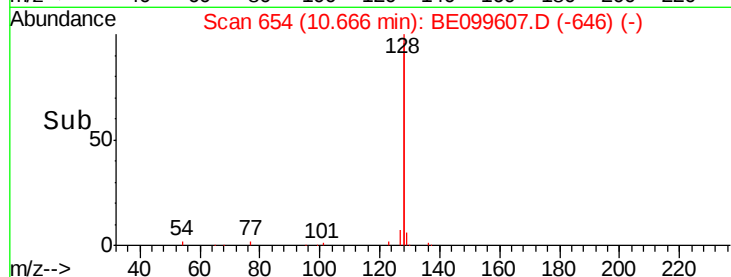
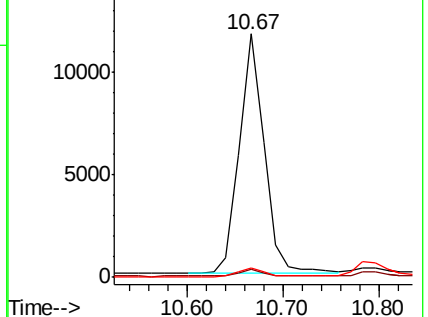
127 3.8 3.0 4.6



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: 0.370 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

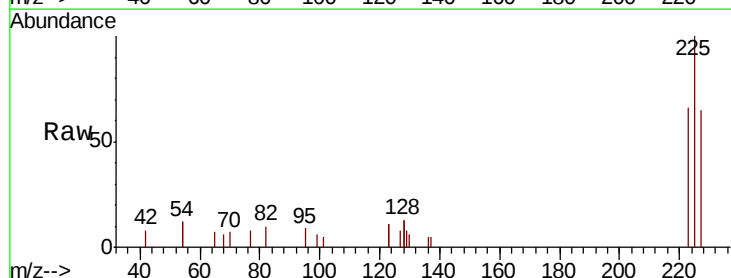
Tgt Ion:225 Resp: 1561

Ion Ratio Lower Upper

225 100

223 62.3 49.8 74.8

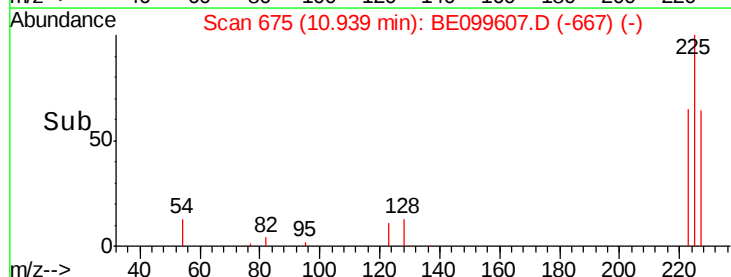
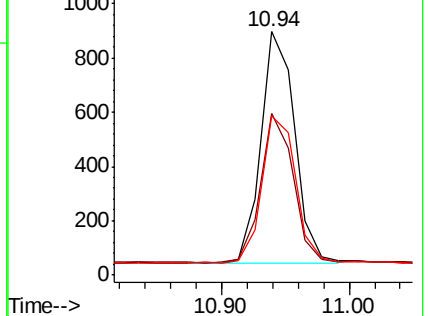
227 64.0 51.2 76.8

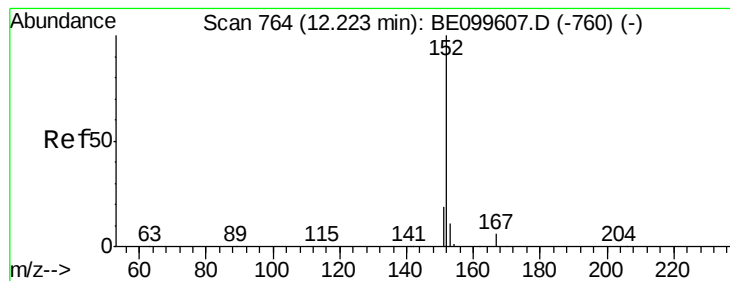


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.364 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

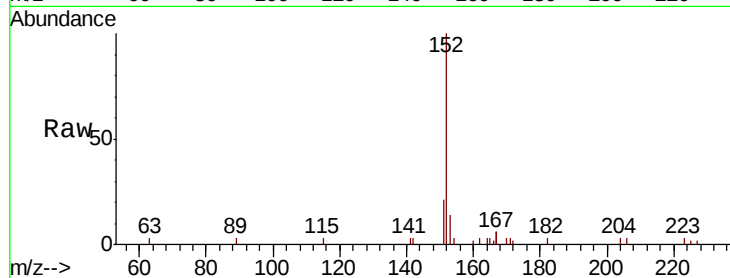
ClientSampleId :

Tot Ion:152 Resp: 3336

Ion Ratio Lower Upper

152 100

151 18.8 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

2000

1500

1000

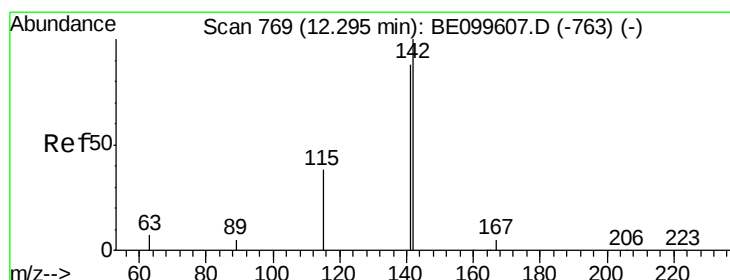
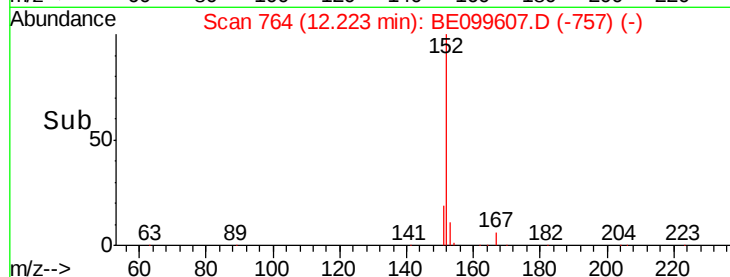
500

0

12.20

12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.365 ng

RT: 12.29 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

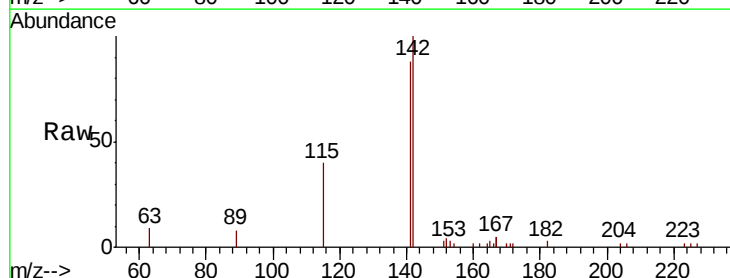
Tgt Ion:142 Resp: 3476

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

115 40.3 32.2 48.4



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

2500

2000

1500

1000

500

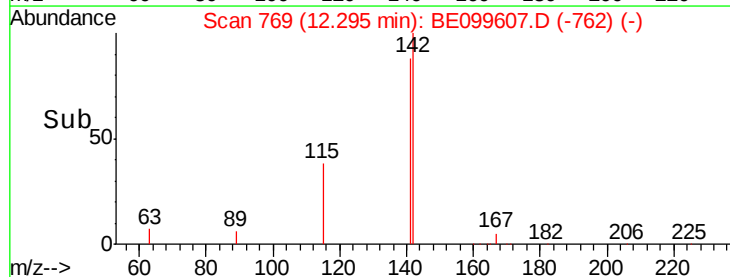
0

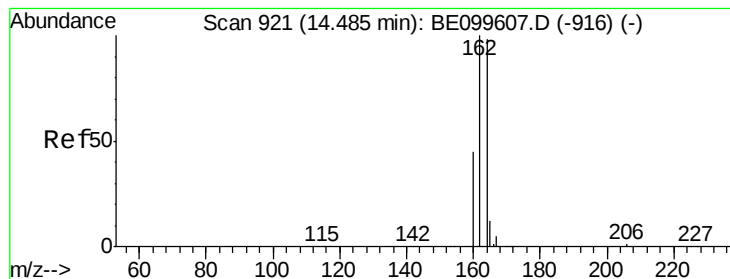
12.20

12.30

12.40

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

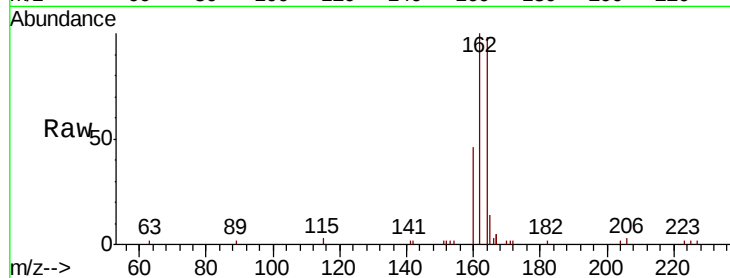
Tot Ion:164 Resp: 3710

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.0

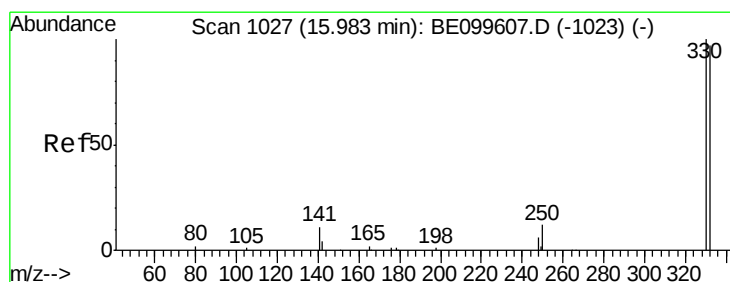
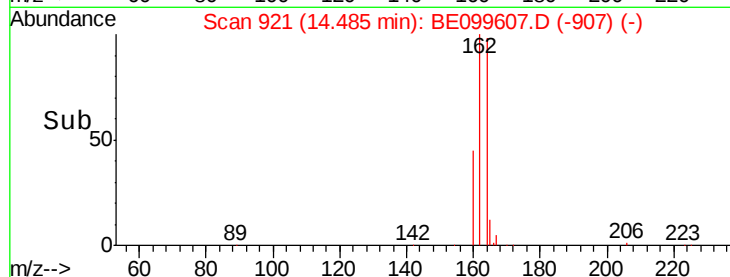
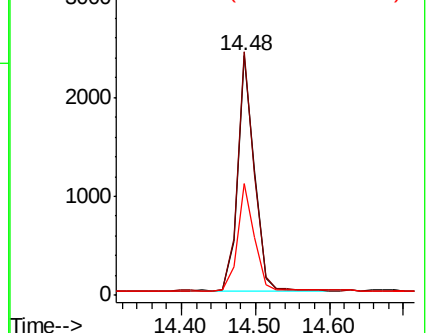
160 46.8 37.4 56.2



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: 0.415 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

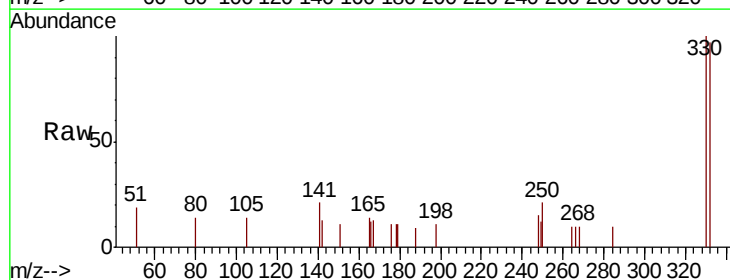
Tgt Ion:330 Resp: 913

Ion Ratio Lower Upper

330 100

332 90.8 73.8 110.8

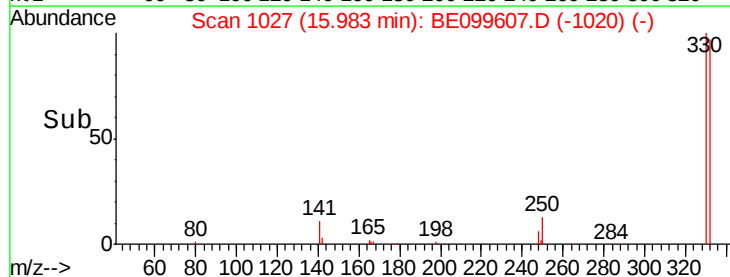
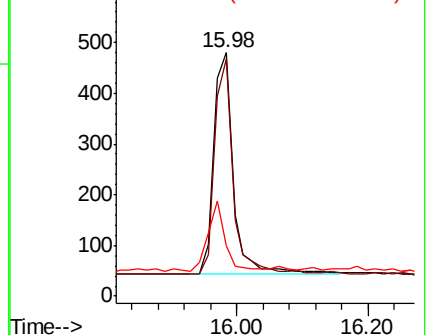
141 27.2 21.0 31.6

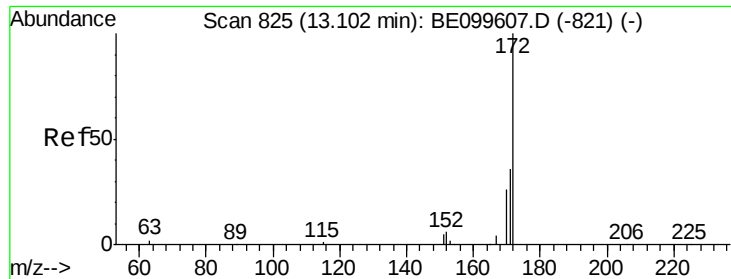


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

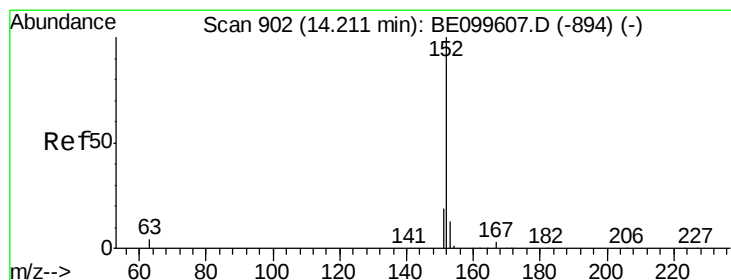
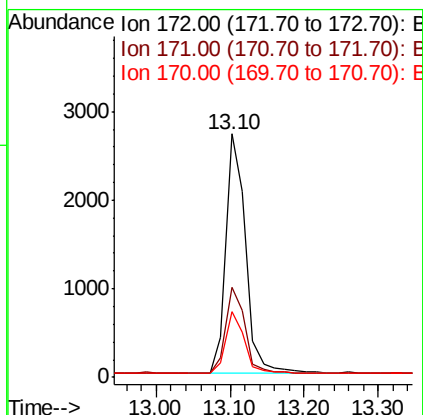
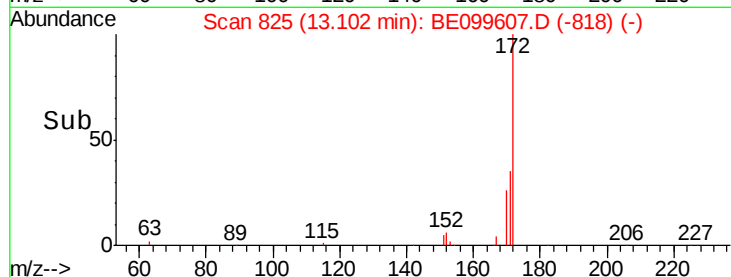
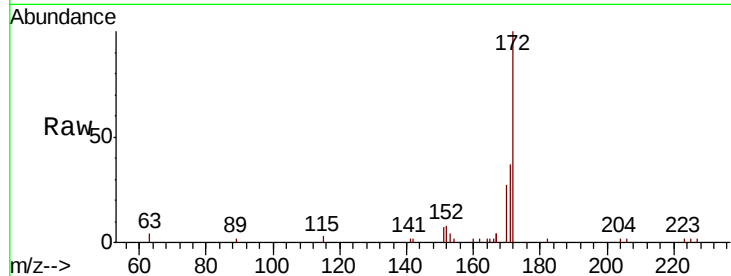




#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

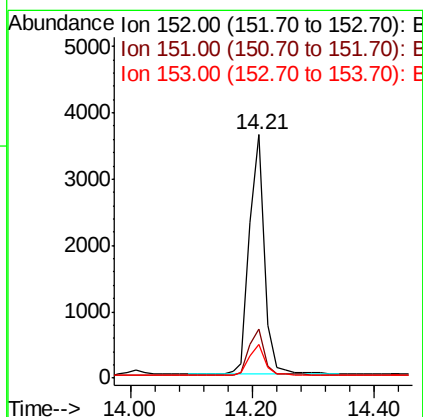
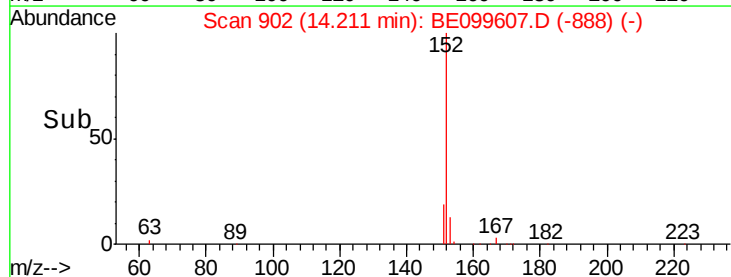
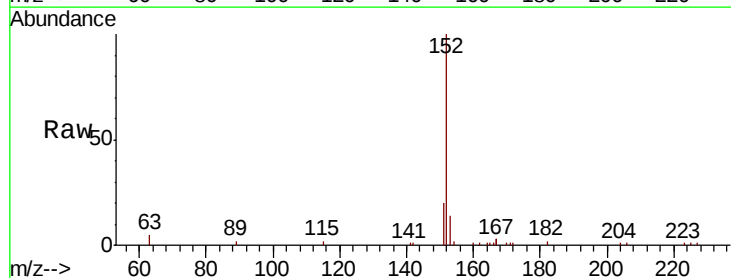
Instrument :
BNA_E
ClientSampleId :

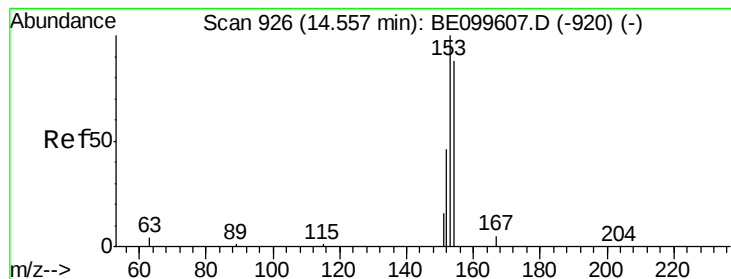
Tot Ion:172 Resp: 5034
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.2
170 26.9 21.5 32.3



#16
Acenaphthylene
Concen: 0.344 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

Tgt Ion:152 Resp: 6172
Ion Ratio Lower Upper
152 100
151 19.5 15.6 23.4
153 13.0 10.4 15.6





#17

Acenaphthene

Concen: 0.348 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

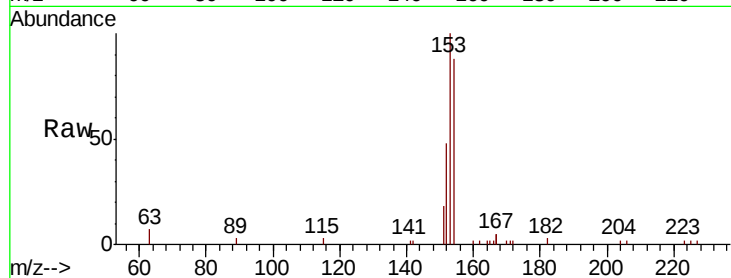
Tot Ion:154 Resp: 3486

Ion Ratio Lower Upper

154 100

153 118.1 94.1 141.1

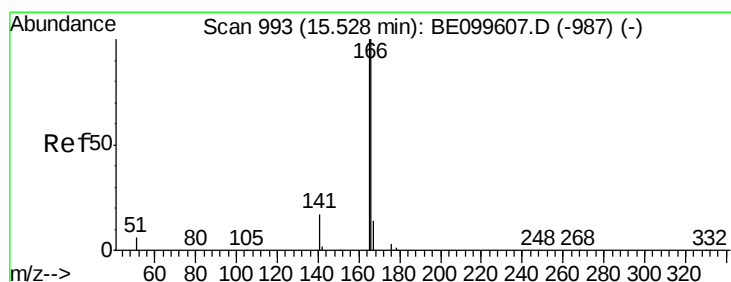
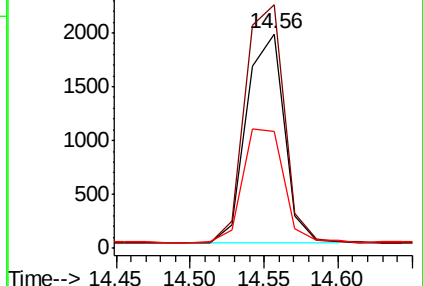
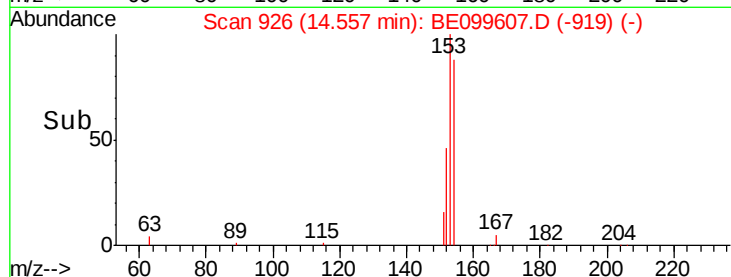
152 58.4 46.5 69.7



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: 0.351 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

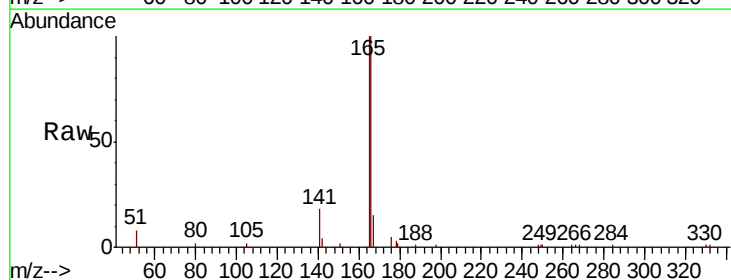
Tgt Ion:166 Resp: 5028

Ion Ratio Lower Upper

166 100

165 100.1 79.8 119.8

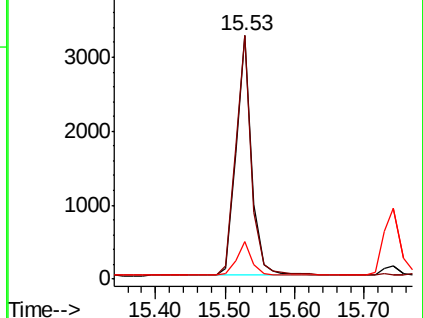
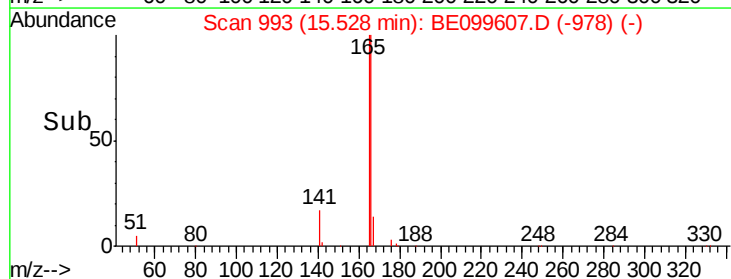
167 14.0 11.2 16.8

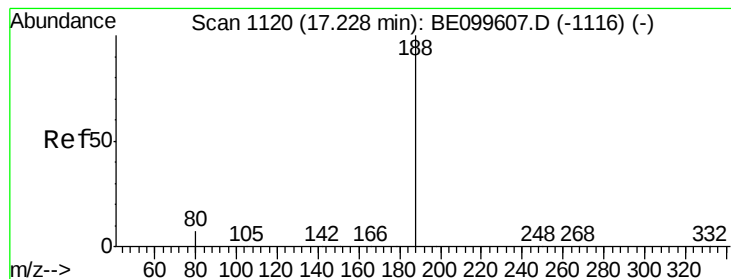


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

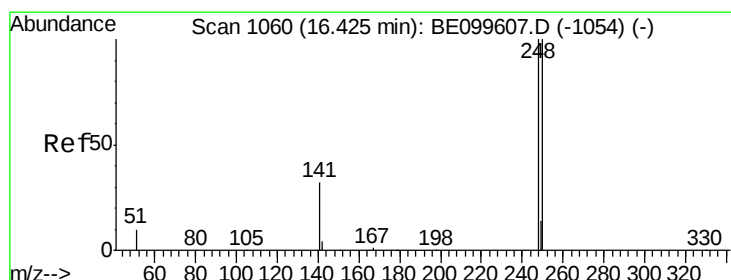
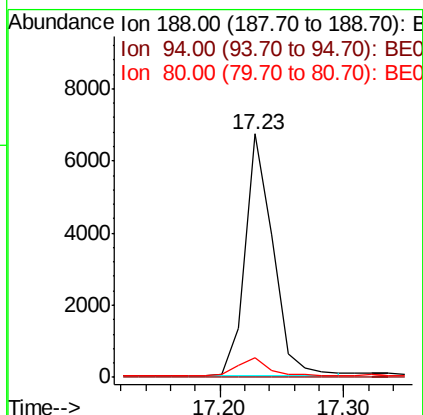
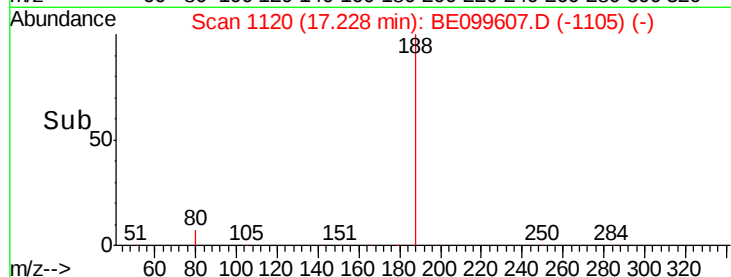
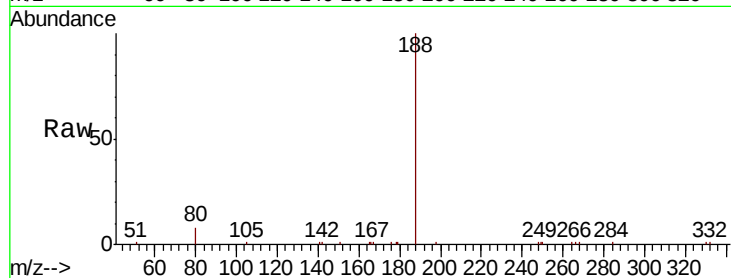
Tot Ion:188 Resp: 10384

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.0 6.4 9.6



#20

4-Bromophenyl-phenylether

Concen: 0.358 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

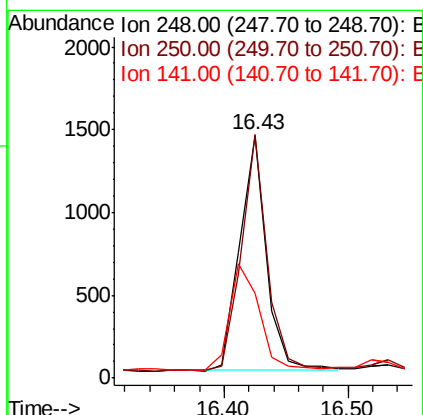
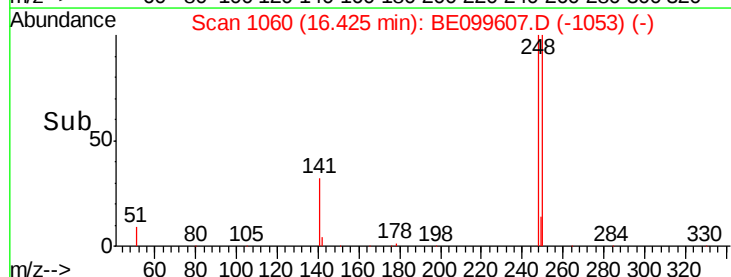
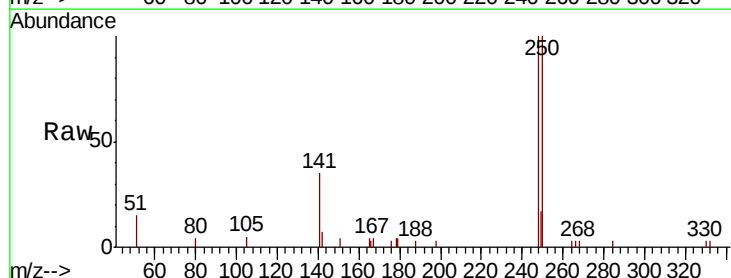
Tgt Ion:248 Resp: 2121

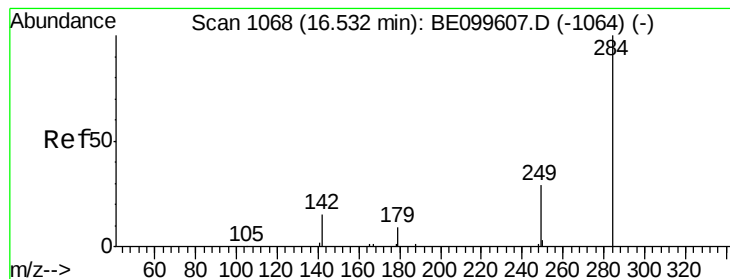
Ion Ratio Lower Upper

248 100

250 100.5 80.4 120.6

141 34.8 27.8 41.8





#21

Hexachlorobenzene

Concen: 0.356 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

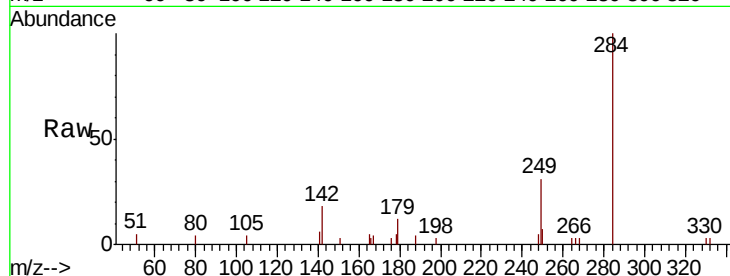
Tot Ion:284 Resp: 2115

Ion Ratio Lower Upper

284 100

142 24.3 19.4 29.2

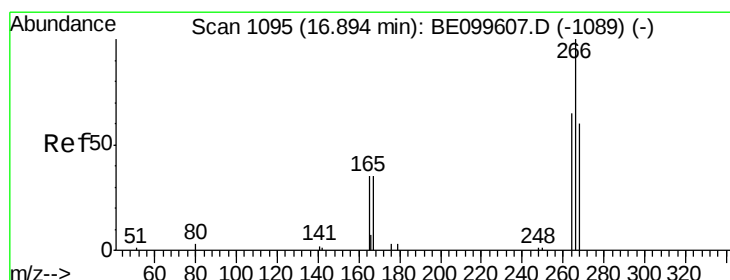
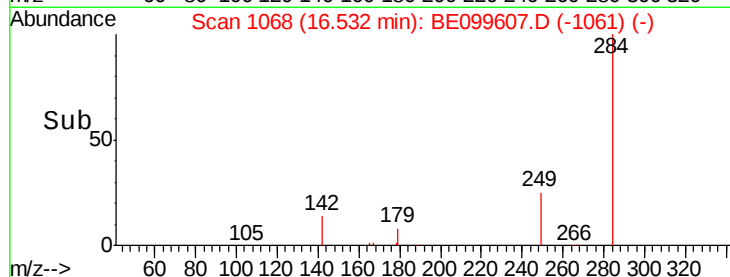
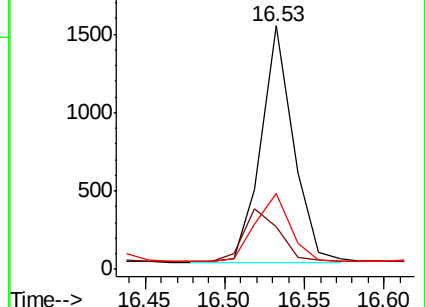
249 30.8 24.6 37.0



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: 0.270 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

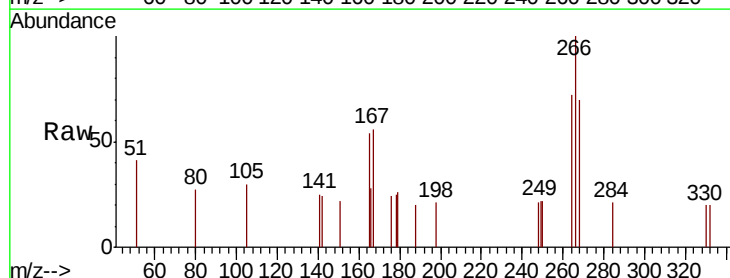
Tgt Ion:266 Resp: 643

Ion Ratio Lower Upper

266 100

264 72.1 57.7 86.5

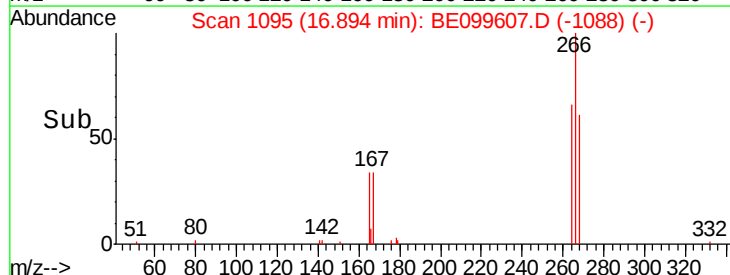
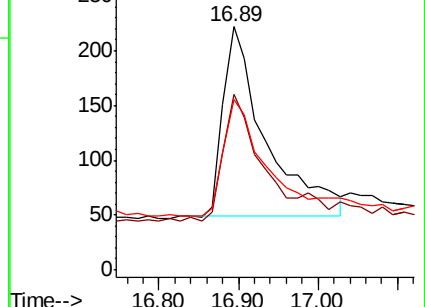
268 69.8 55.8 83.8

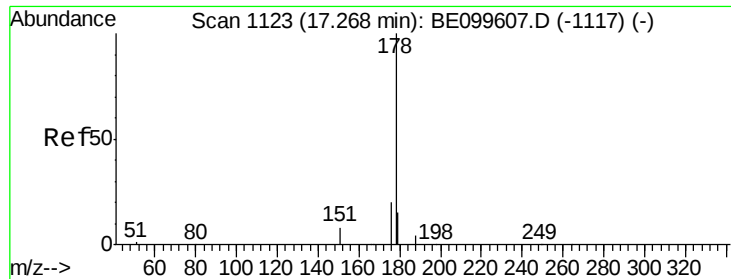


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

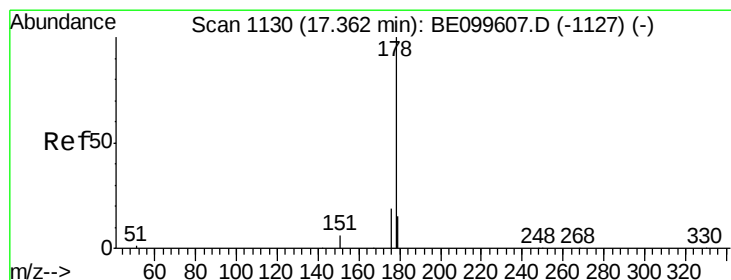
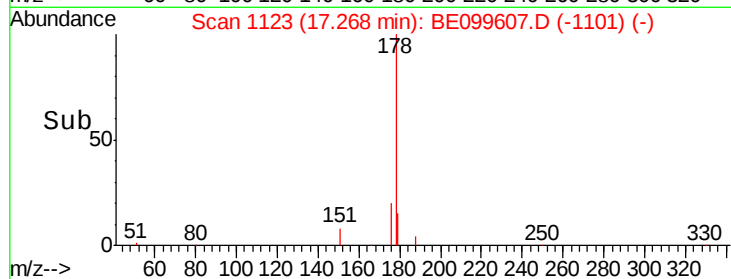
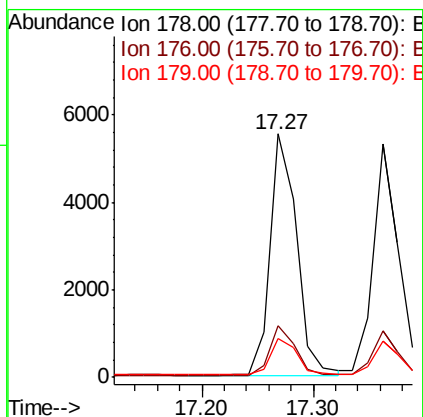
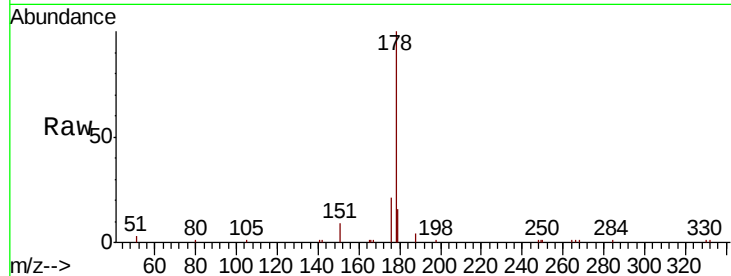




#23
Phenanthrene
Concen: 0.358 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

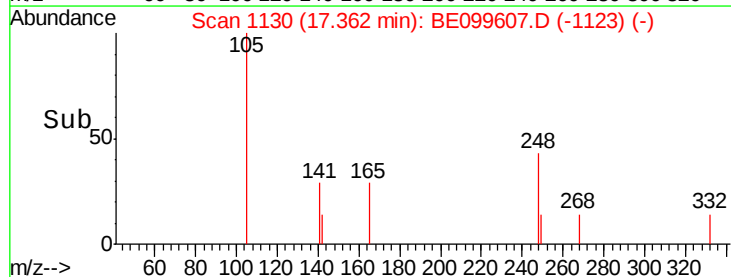
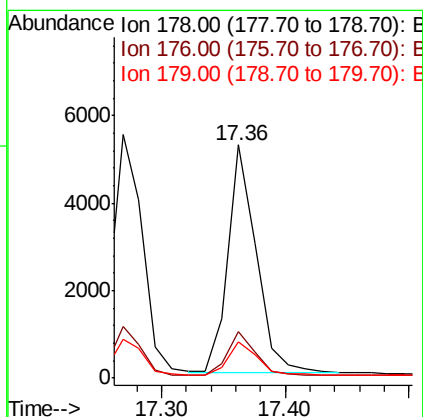
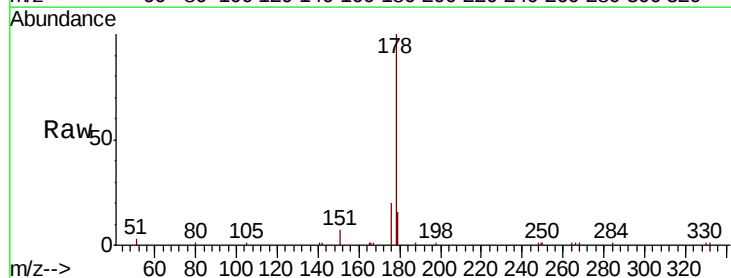
Instrument :
BNA_E
ClientSampleId :

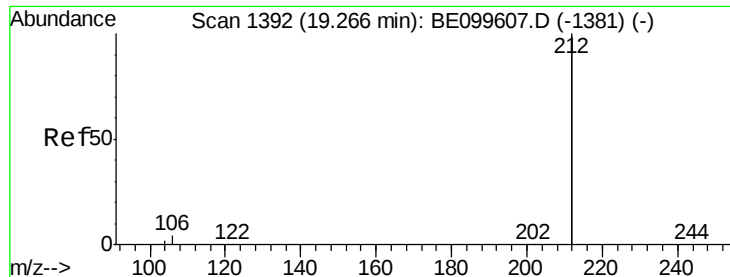
Tot Ion:178 Resp: 9216
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.2 12.2 18.2



#24
Anthracene
Concen: 0.341 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

Tgt Ion:178 Resp: 8251
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.1 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

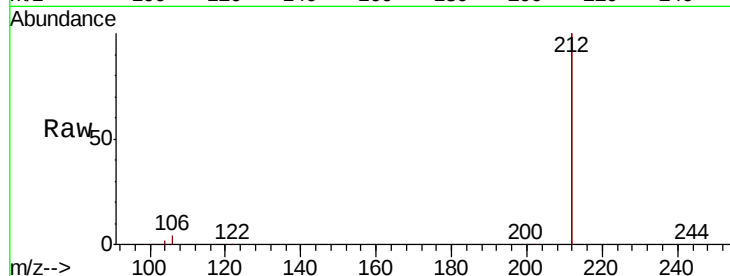
Tot Ion:212 Resp: 49103

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

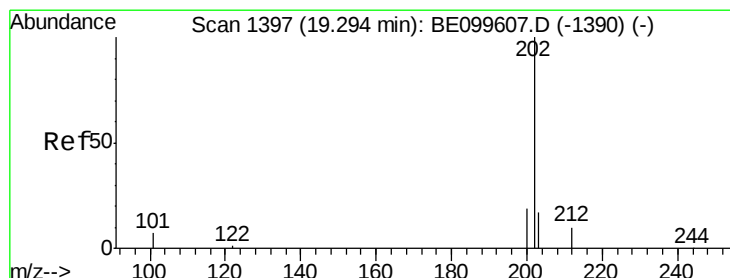
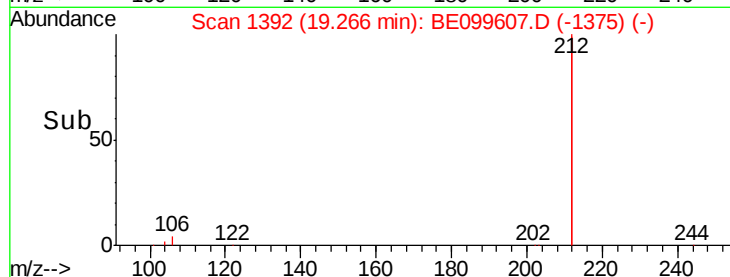
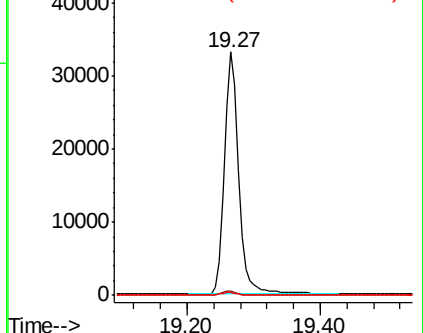
104 1.1 0.9 1.3



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: 0.361 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

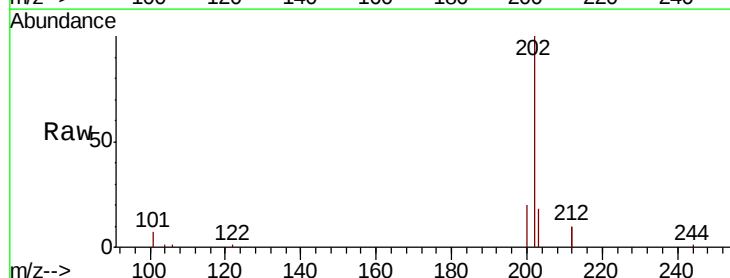
Tgt Ion:202 Resp: 13991

Ion Ratio Lower Upper

202 100

101 6.3 5.0 7.6

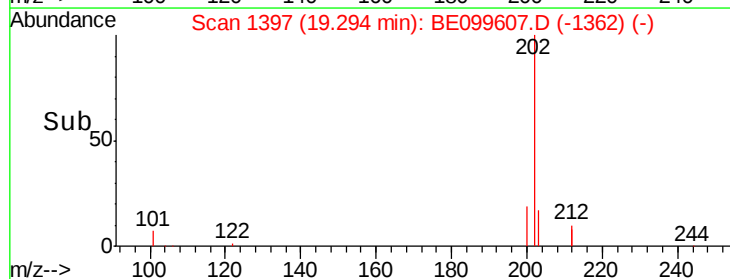
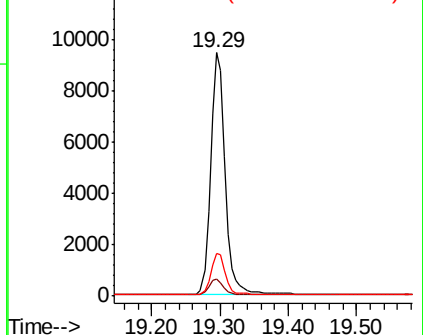
203 17.1 13.7 20.5

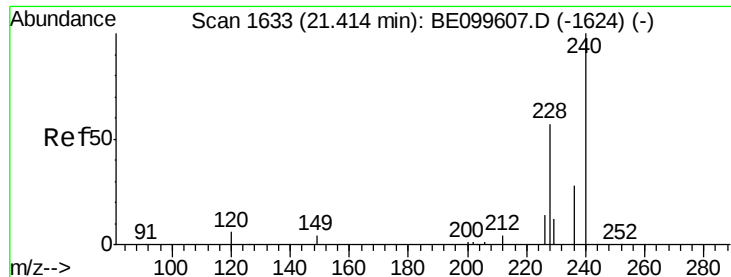


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

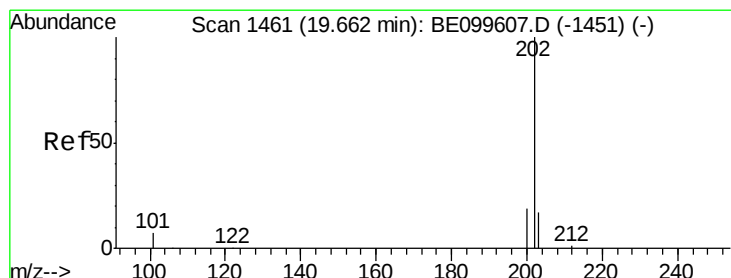
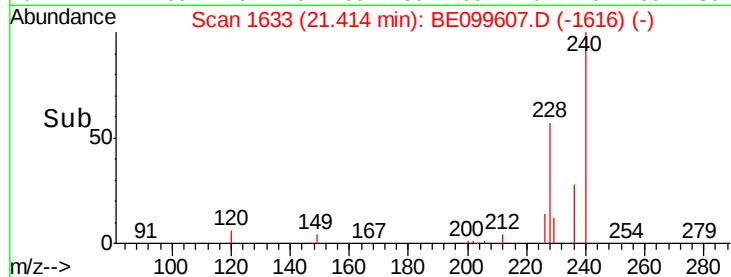
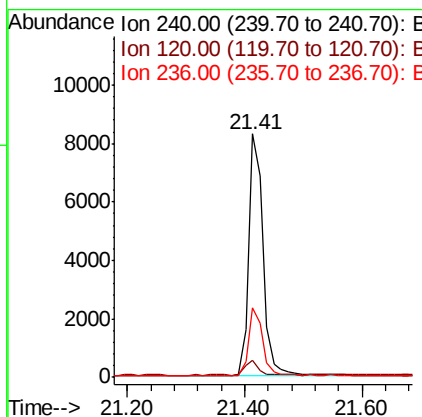
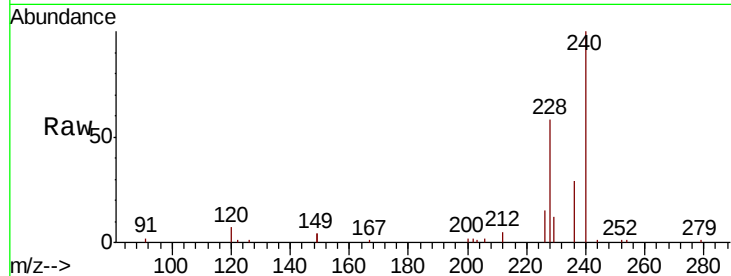




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE099607.D
 Acq: 14 May 2019 16:29

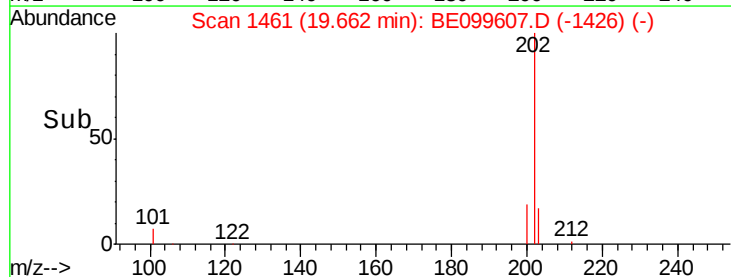
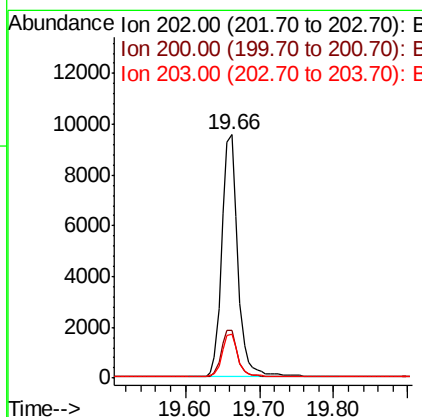
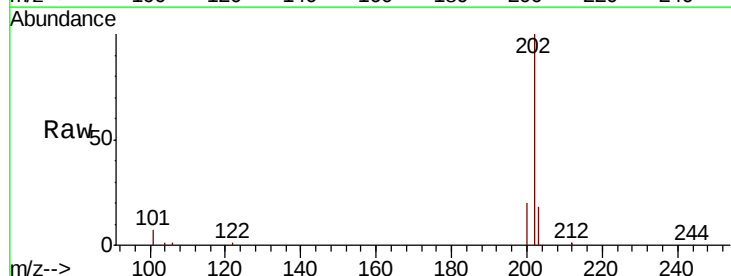
Instrument :
 BNA_E
 ClientSampled :

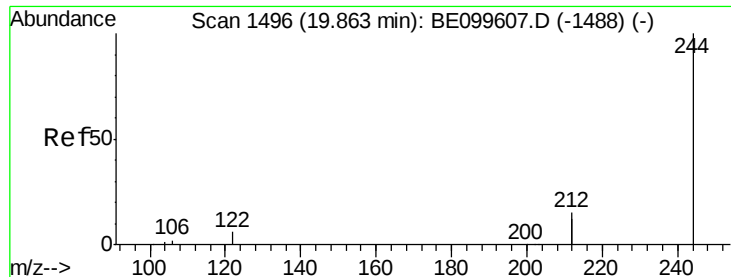
Tot Ion:240 Resp: 14171
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.7 8.5
 236 28.5 22.8 34.2



#28
 Pyrene
 Concen: 0.383 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BE099607.D
 Acq: 14 May 2019 16:29

Tgt Ion:202 Resp: 14304
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.8 23.6
 203 17.6 14.1 21.1





#29

Terphenyl-d14

Concen: 0.394 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

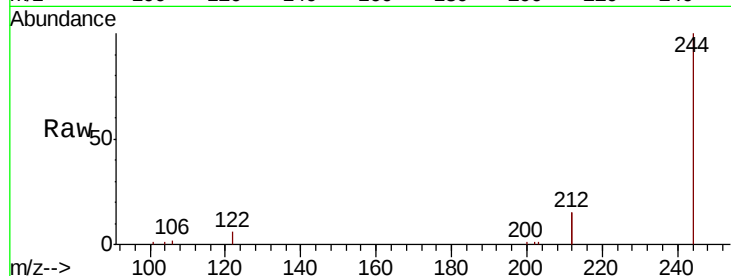
Tot Ion:244 Resp: 9912

Ion Ratio Lower Upper

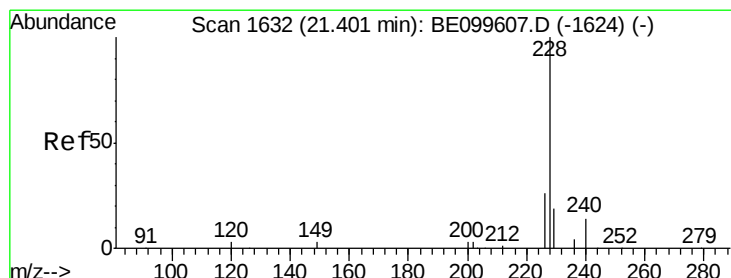
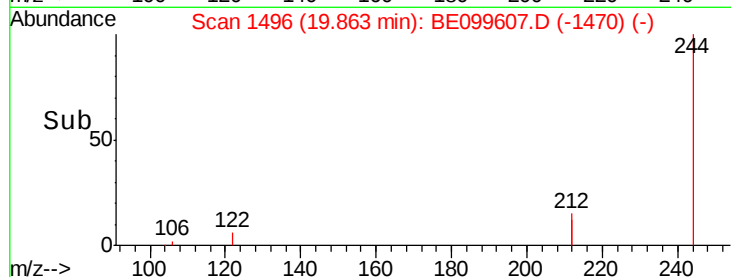
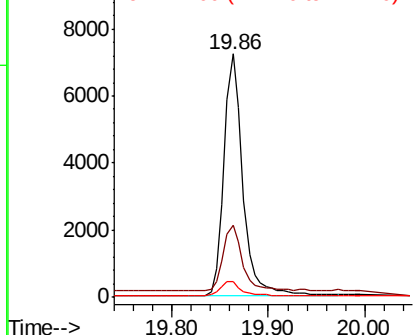
244 100

212 29.7 23.8 35.6

122 6.3 5.0 7.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.385 ng

RT: 21.40 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

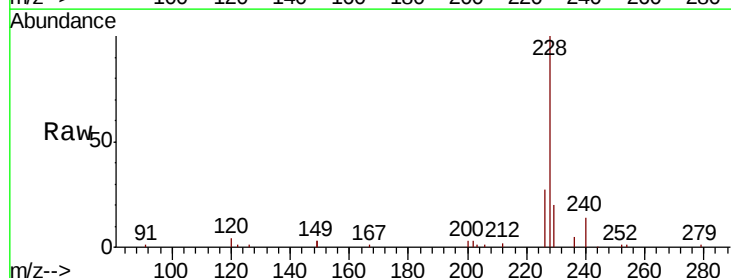
Tgt Ion:228 Resp: 16675

Ion Ratio Lower Upper

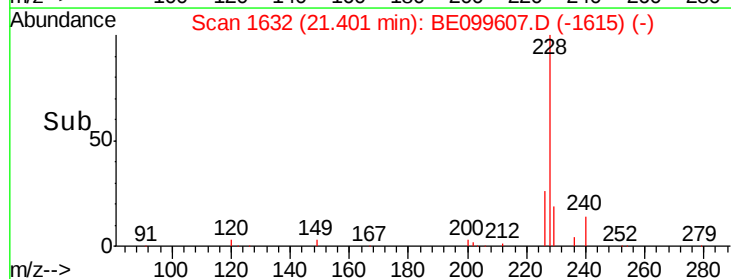
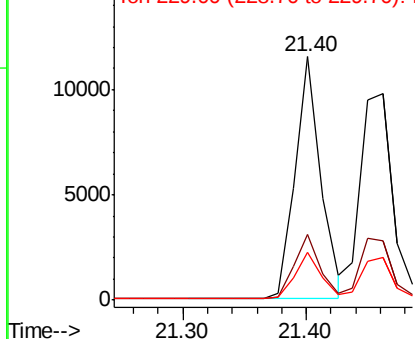
228 100

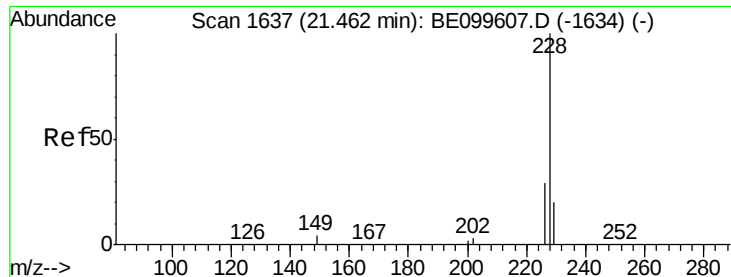
226 26.8 21.4 32.2

229 19.8 15.8 23.8



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: 0.409 ng

RT: 21.46 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

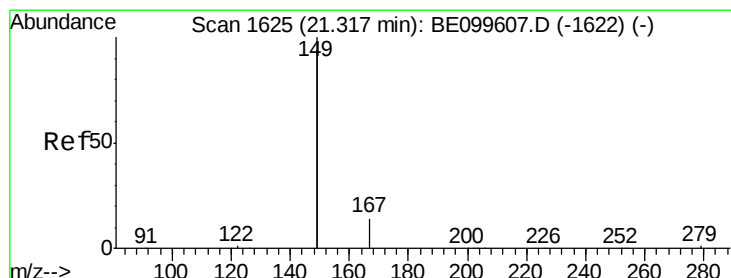
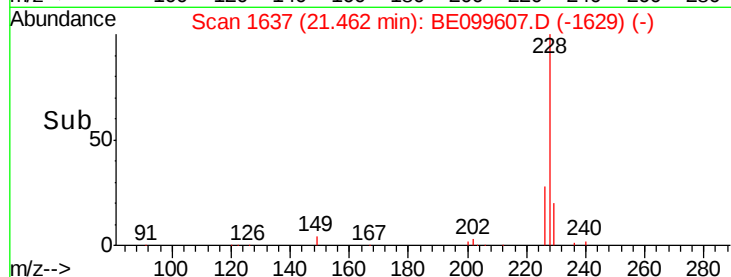
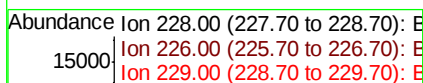
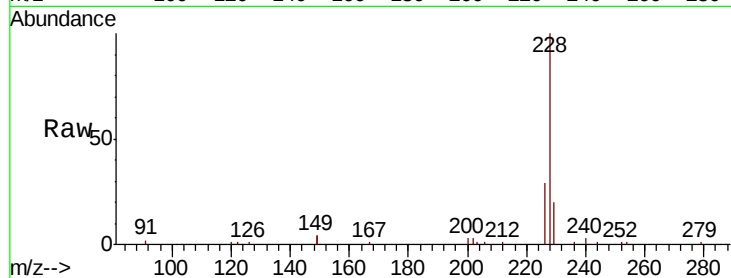
Tot Ion:228 Resp: 17678

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

229 20.5 16.4 24.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.404 ng

RT: 21.32 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

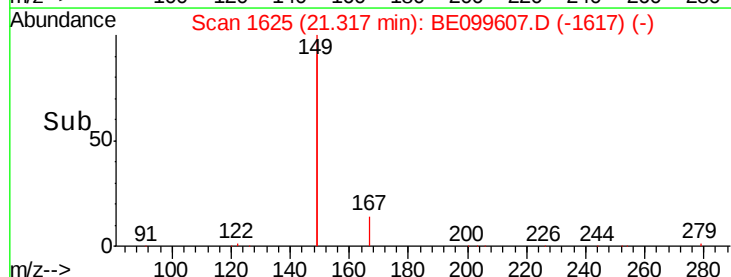
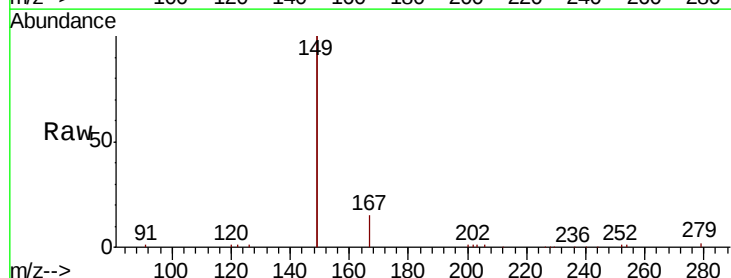
Tgt Ion:149 Resp: 25106

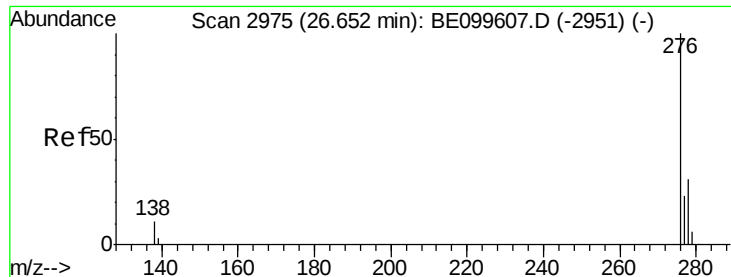
Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

279 1.4 1.1 1.7

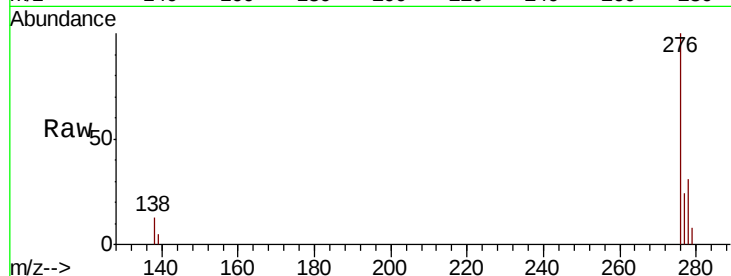




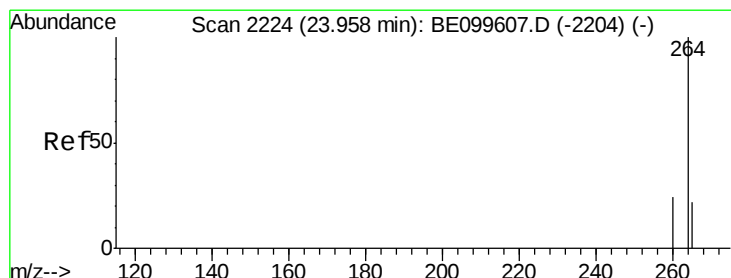
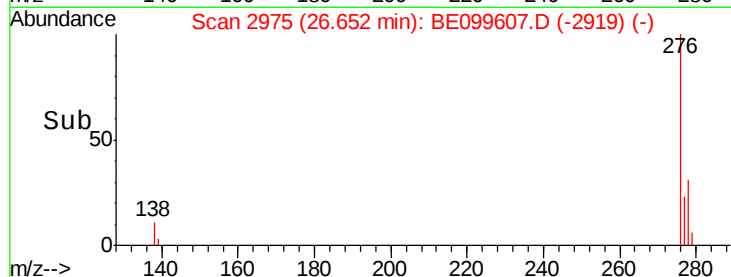
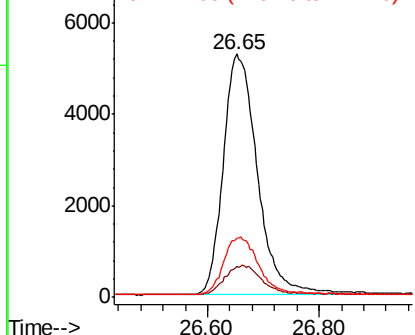
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.414 ng
 RT: 26.65 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BE099607.D
 Acq: 14 May 2019 16:29

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 22354
 Ion Ratio Lower Upper
 276 100
 138 12.5 10.0 15.0
 277 23.9 19.1 28.7

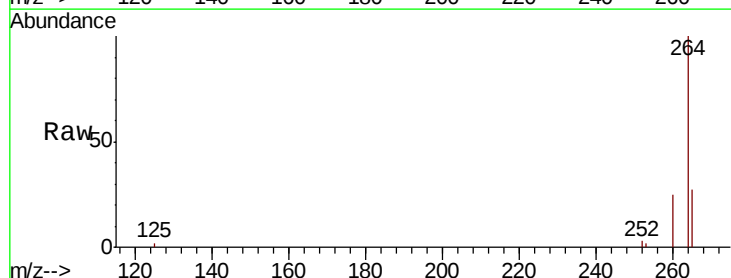


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

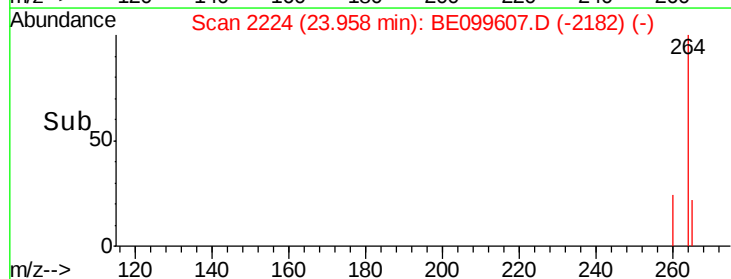
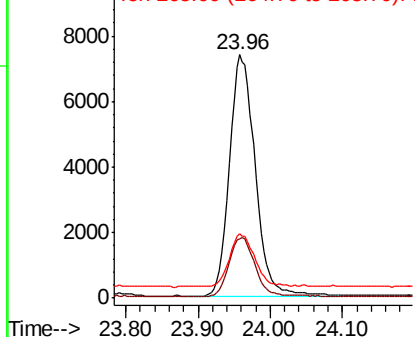


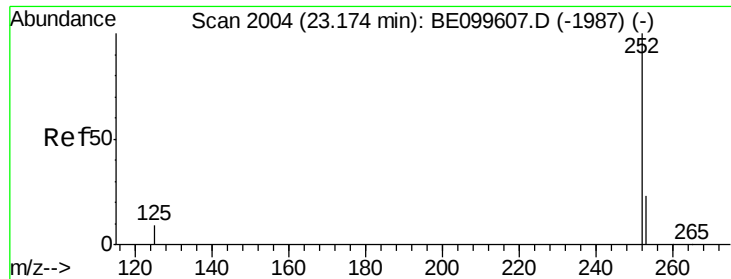
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BE099607.D
 Acq: 14 May 2019 16:29

Tgt Ion:264 Resp: 17847
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.7 29.5
 265 26.5 21.2 31.8



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

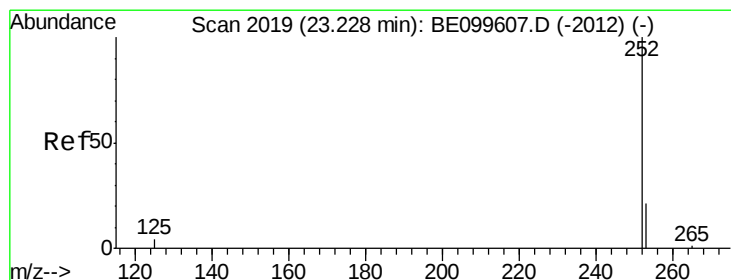
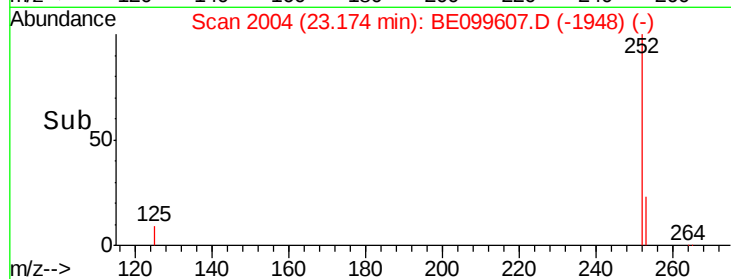
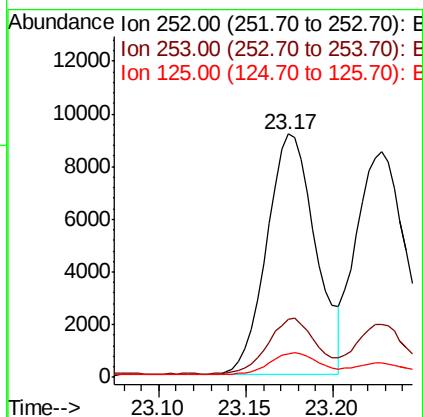
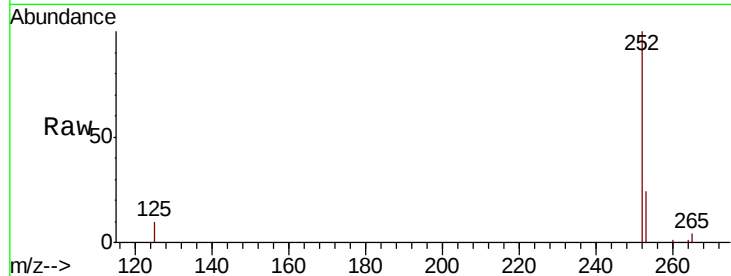




#35
Benzo(b)fluoranthene
Concen: 0.362 ng
RT: 23.17 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

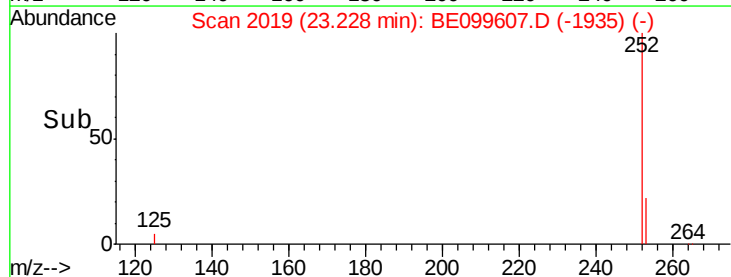
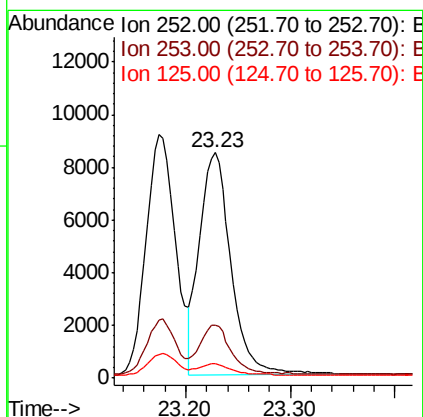
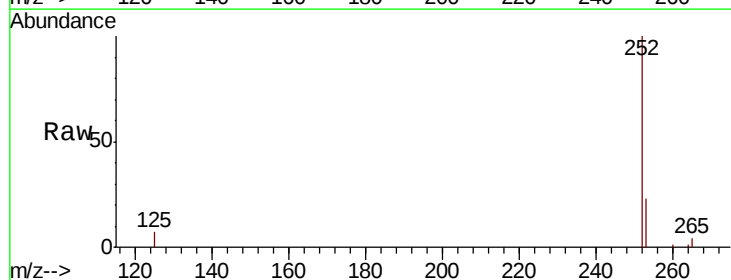
Instrument :
BNA_E
ClientSampleId :

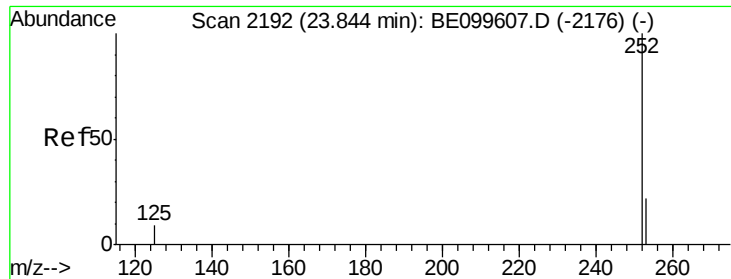
Tot Ion:252 Resp: 17869
Ion Ratio Lower Upper
252 100
253 23.9 19.1 28.7
125 9.8 7.8 11.8



#36
Benzo(k)fluoranthene
Concen: 0.359 ng
RT: 23.23 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BE099607.D
Acq: 14 May 2019 16:29

Tgt Ion:252 Resp: 17610
Ion Ratio Lower Upper
252 100
253 23.3 18.6 28.0
125 6.5 5.2 7.8





#37

Benzo(a)pyrene

Concen: 0.366 ng

RT: 23.84 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

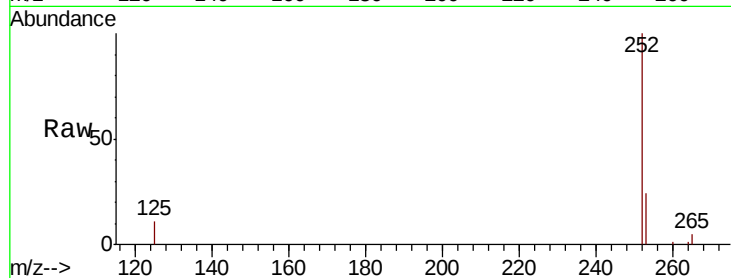
Tot Ion:252 Resp: 17475

Ion Ratio Lower Upper

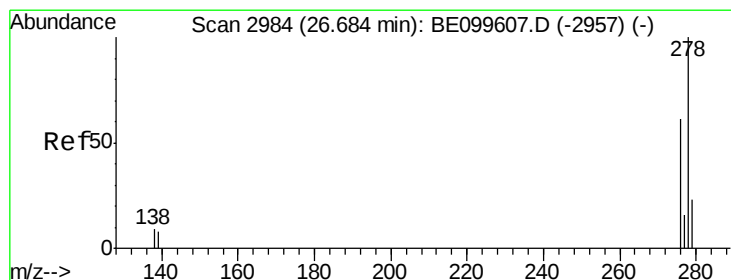
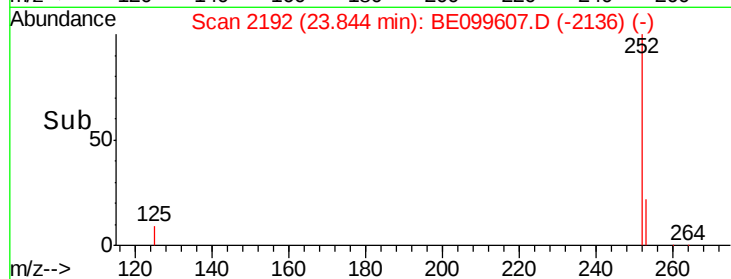
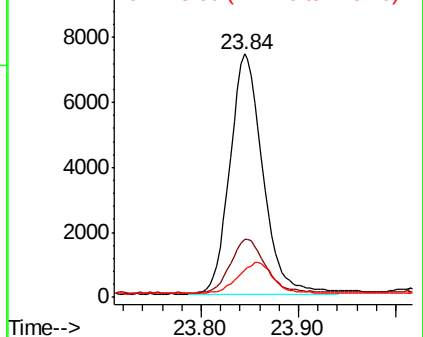
252 100

253 23.8 19.0 28.6

125 11.0 8.8 13.2



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: 0.364 ng

RT: 26.68 min Scan# 2984

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

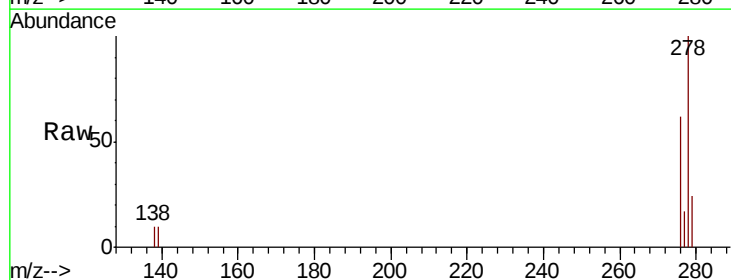
Tgt Ion:278 Resp: 18178

Ion Ratio Lower Upper

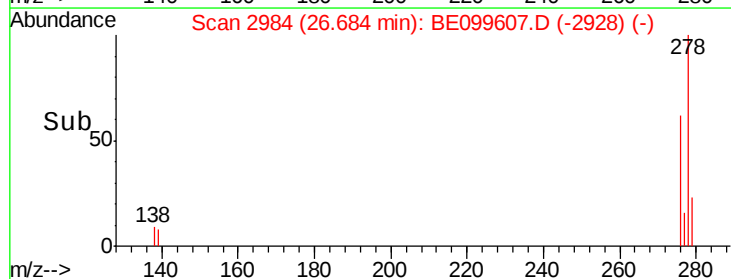
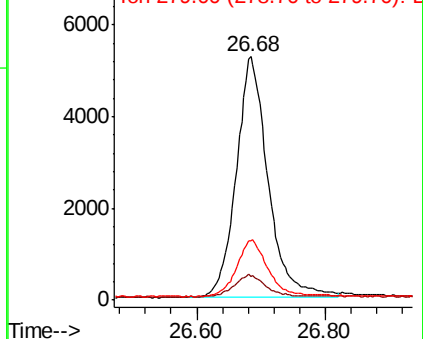
278 100

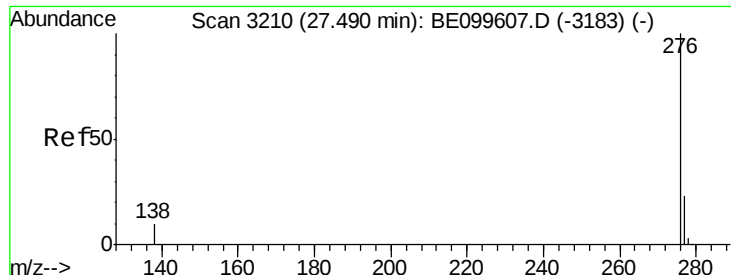
139 9.9 7.9 11.9

279 24.4 19.5 29.3



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: 0.367 ng

RT: 27.49 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE099607.D

Acq: 14 May 2019 16:29

Instrument :

BNA_E

ClientSampleId :

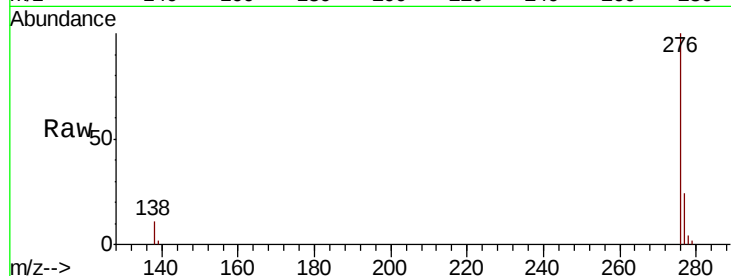
Tot Ion: 276 Resp: 18552

Ion Ratio Lower Upper

276 100

277 24.1 19.3 28.9

138 11.4 9.1 13.7



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

