

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
 Data File : BE099644.D
 Acq On : 17 May 2019 10:13
 Operator : JU/SJ
 Sample : K2845-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 11:51:28 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 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2374	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	7967	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	5238	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	14334	0.40	ng	0.00
27) Chrysene-d12	21.41	240	20962	0.40	ng	0.00
34) Perylene-d12	23.96	264	26420	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	2244	0.33	ng	0.00
5) Phenol-d6	6.97	99	3170	0.37	ng	0.00
8) Nitrobenzene-d5	8.98	82	2682	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	6268	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	1050	0.29	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	7221	0.36	ng	0.00
25) Fluoranthene-d10	19.26	212	65177	0.34	ng	0.00
29) Terphenyl-d14	19.86	244	13713	0.36	ng	0.00

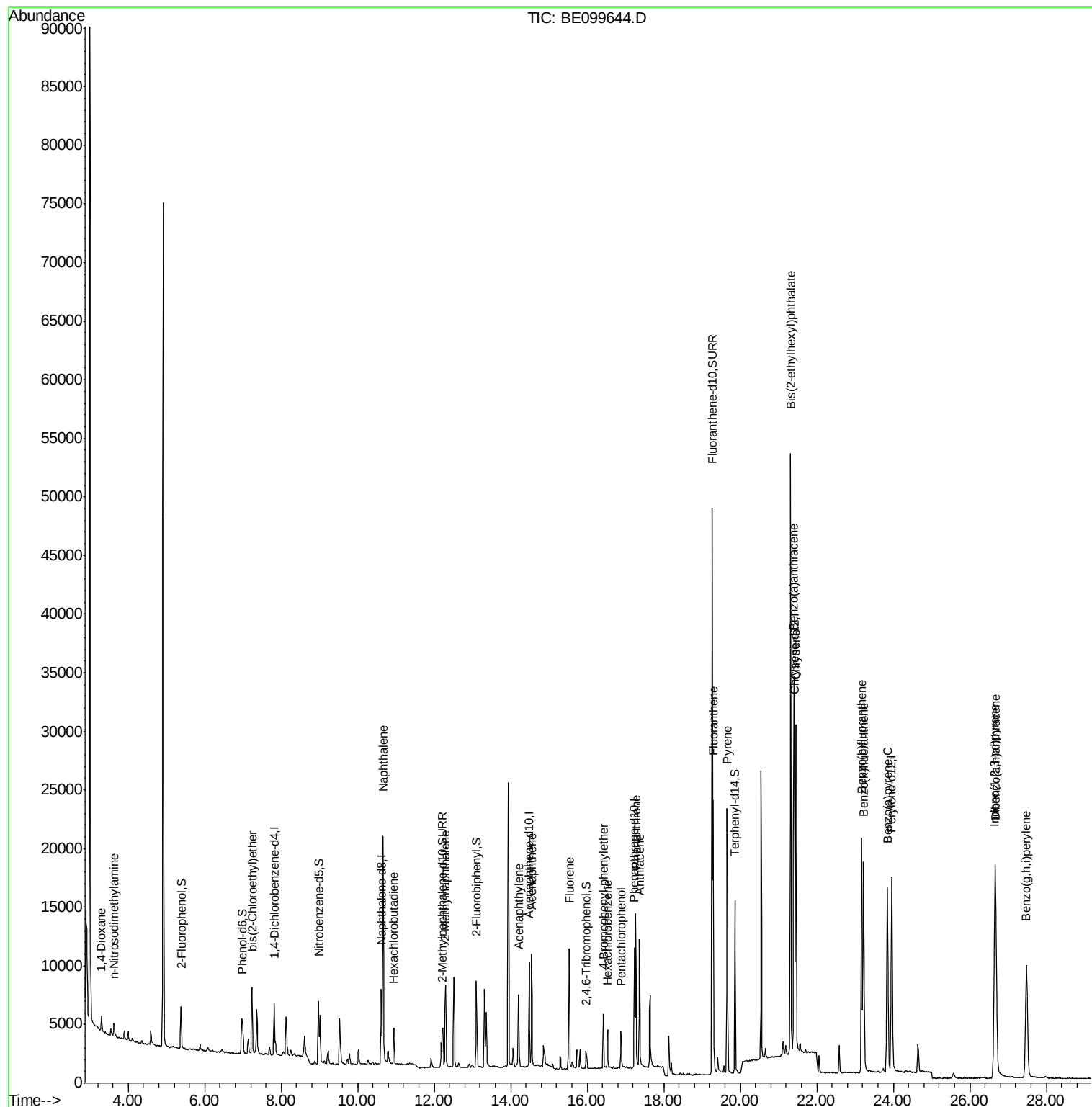
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	898	0.256	ng	# 63
3) n-Nitrosodimethylamine	3.62	42	666	0.298	ng	# 84
6) bis(2-Chloroethyl)ether	7.24	93	2575	0.358	ng	91
9) Naphthalene	10.67	128	32096	0.379	ng	99
10) Hexachlorobutadiene	10.94	225	2273	0.366	ng	98
12) 2-Methylnaphthalene	12.30	142	5268	0.376	ng	97
16) Acenaphthylene	14.21	152	8908	0.360	ng	100
17) Acenaphthene	14.54	154	4970	0.356	ng	100
18) Fluorene	15.53	166	7205	0.360	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	2953	0.357	ng	95
21) Hexachlorobenzene	16.53	284	2852	0.351	ng	98
22) Pentachlorophenol	16.88	266	2045	0.708	ng	91
23) Phenanthrene	17.27	178	14144	0.397	ng	99
24) Anthracene	17.36	178	11978	0.365	ng	100
26) Fluoranthene	19.29	202	21350	0.397	ng	99
28) Pyrene	19.65	202	21957	0.411	ng	98
30) Benzo(a)anthracene	21.40	228	26389	0.417	ng	100
31) Chrysene	21.45	228	25439	0.390	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	55900	0.572	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	31413	0.387	ng	99
35) Benzo(b)fluoranthene	23.17	252	26543	0.359	ng	# 90
36) Benzo(k)fluoranthene	23.22	252	27006	0.370	ng	99
37) Benzo(a)pyrene	23.84	252	26481	0.370	ng	# 95
38) Dibenzo(a,h)anthracene	26.68	278	26291	0.354	ng	99
39) Benzo(g,h,i)perylene	27.48	276	26495	0.355	ng	100

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
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QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampled :

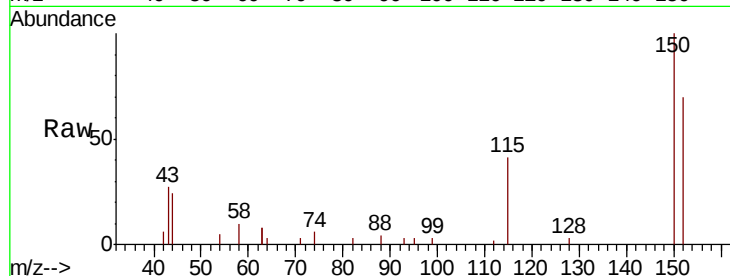
Tot Ion:152 Resp: 2374

Ion Ratio Lower Upper

152 100

150 142.2 110.1 165.1

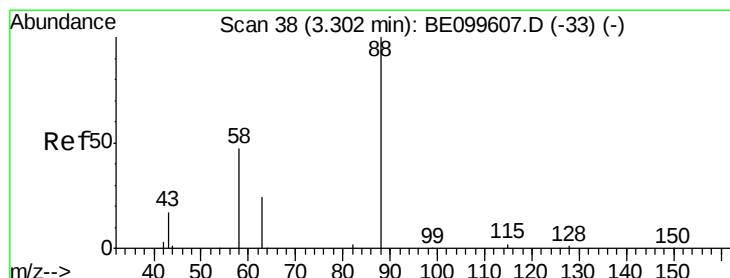
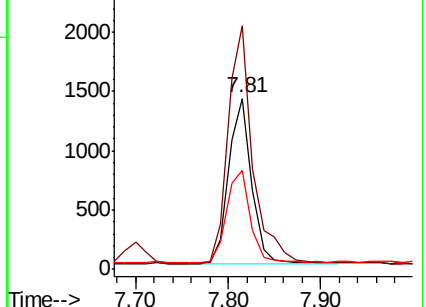
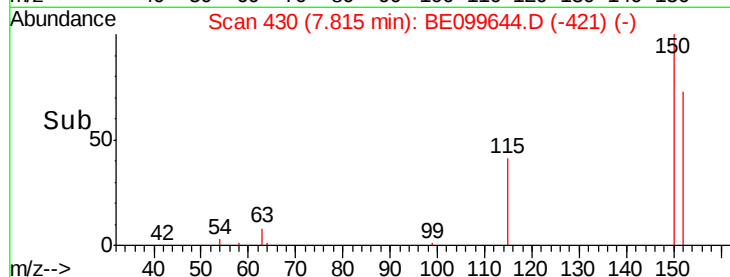
115 57.9 46.2 69.4



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



#2

1,4-Dioxane

Concen: 0.256 ng

RT: 3.30 min Scan# 38

Delta R.T. -0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

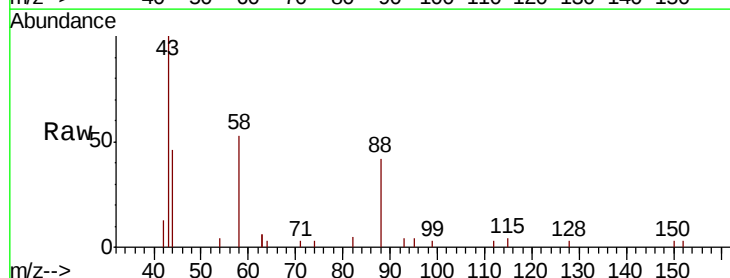
Tgt Ion: 88 Resp: 898

Ion Ratio Lower Upper

88 100

58 66.6 39.8 59.6#

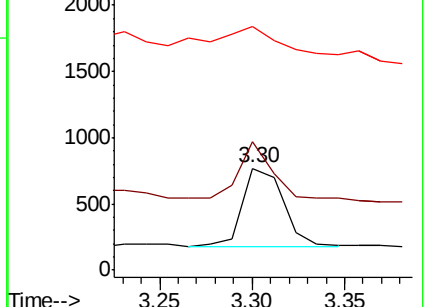
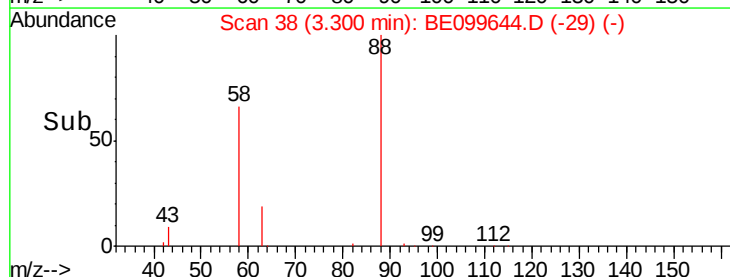
43 57.5 21.0 31.6#



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



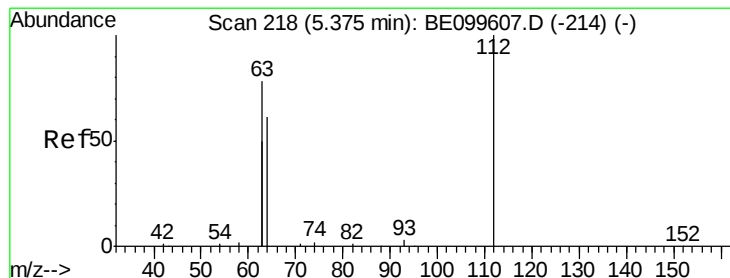
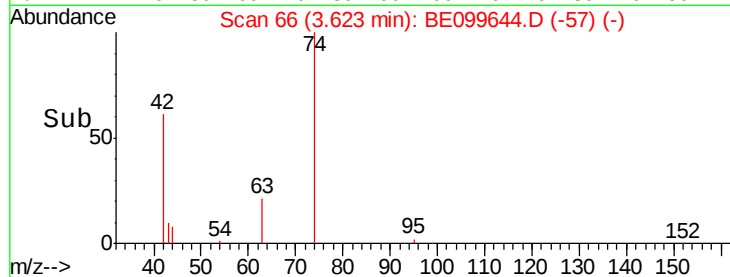
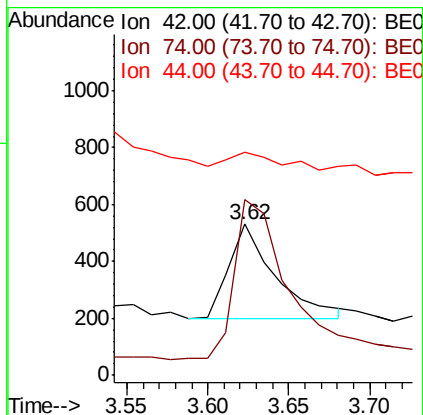
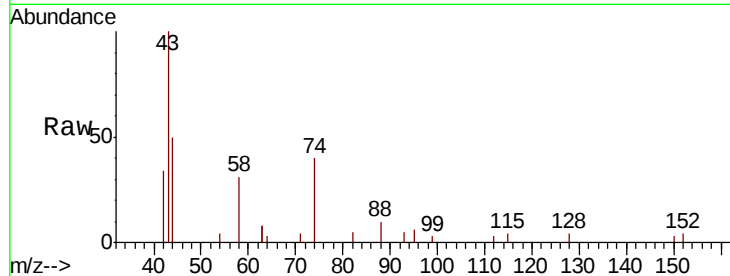


#3

n-Nitrosodimethylamine
 Concen: 0.298 ng
 RT: 3.62 min Scan# 66
 Delta R.T. -0.00 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

Instrument :
 BNA_E
 ClientSampleId :

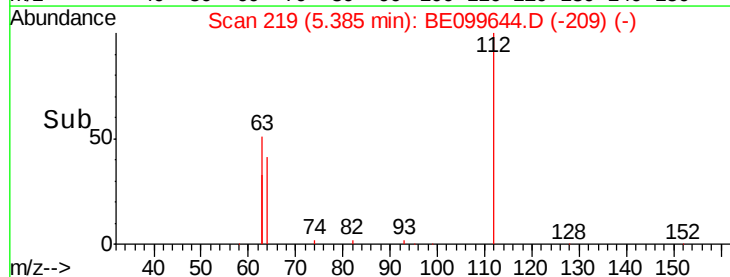
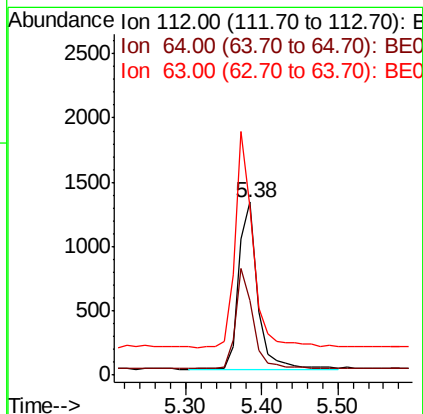
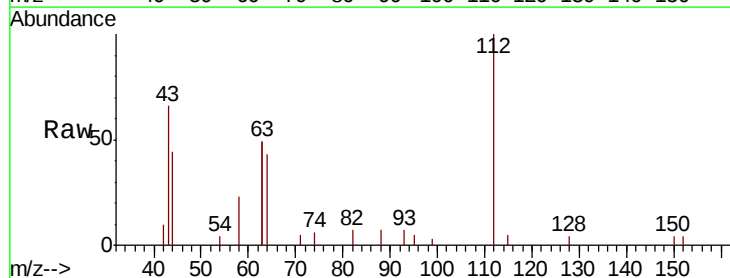
Tot Ion: 42 Resp: 666
 Ion Ratio Lower Upper
 42 100
 74 191.7 134.7 202.1
 44 19.4 12.5 18.7#



#4

2-Fluorophenol
 Concen: 0.333 ng
 RT: 5.38 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

Tgt Ion: 112 Resp: 2244
 Ion Ratio Lower Upper
 112 100
 64 56.9 43.7 65.5
 63 124.6 94.0 141.0





#5

Phenol-d6

Concen: 0.371 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :

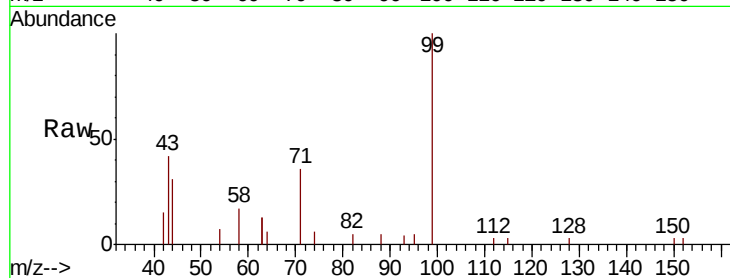
Tot Ion: 99 Resp: 3170

Ion Ratio Lower Upper

99 100

42 15.6 14.3 21.5

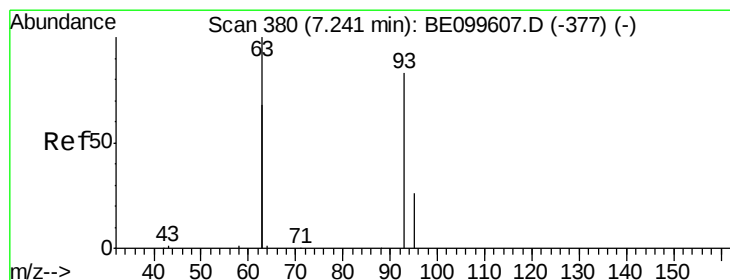
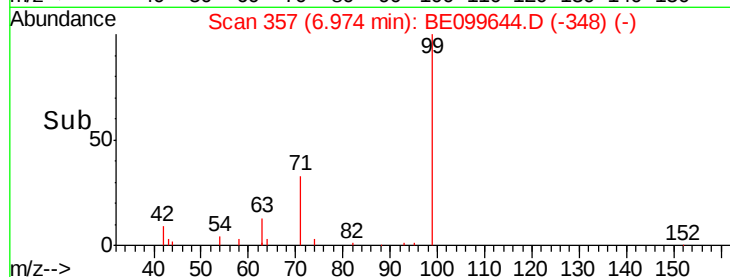
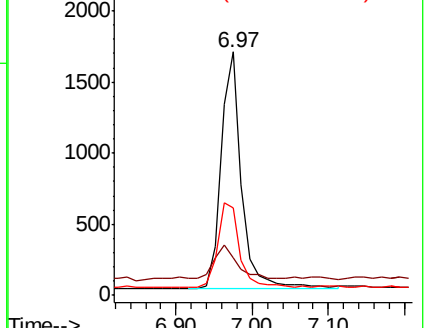
71 37.3 33.1 49.7



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: 0.358 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

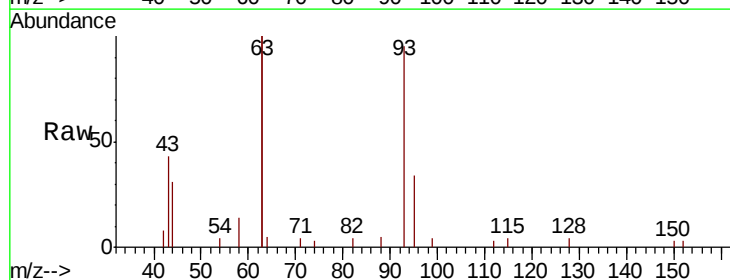
Tgt Ion: 93 Resp: 2575

Ion Ratio Lower Upper

93 100

63 267.2 201.0 301.4

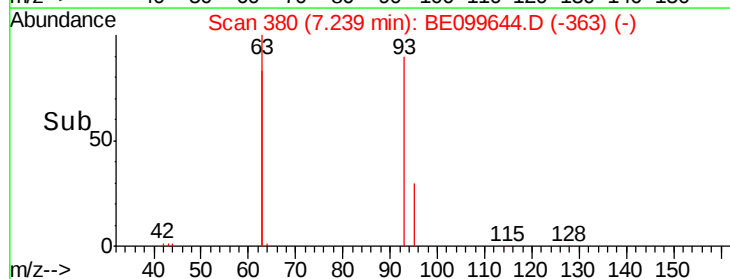
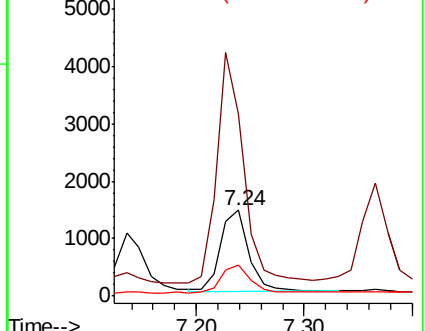
95 34.0 25.0 37.4



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: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7967

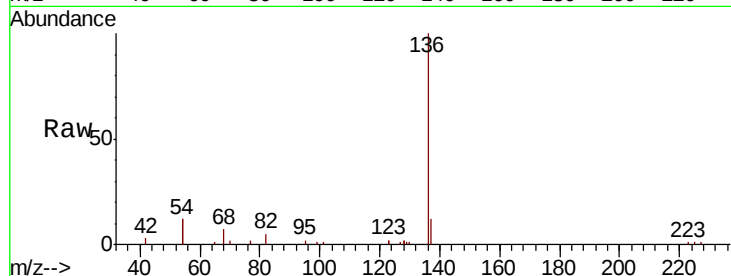
Ion Ratio Lower Upper

136 100

137 11.7 9.7 14.5

54 24.6 23.8 35.8

68 6.6 6.2 9.2

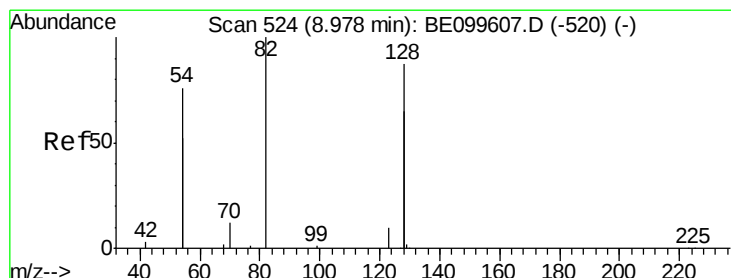
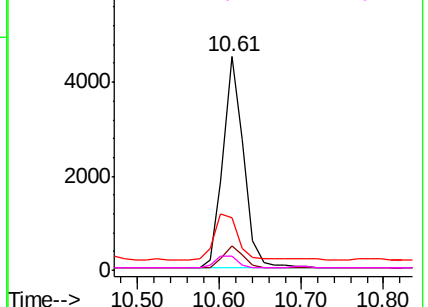
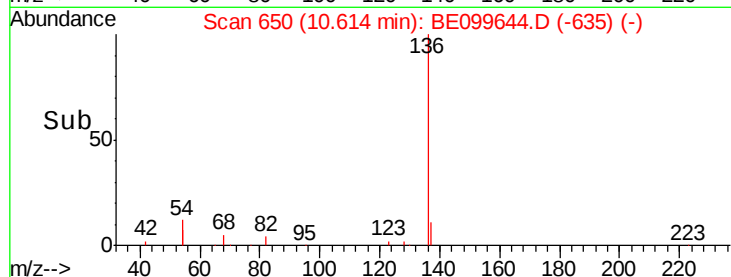


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

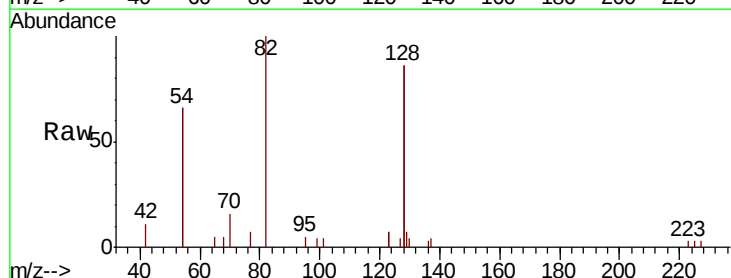
Tgt Ion: 82 Resp: 2682

Ion Ratio Lower Upper

82 100

128 172.3 131.4 197.2

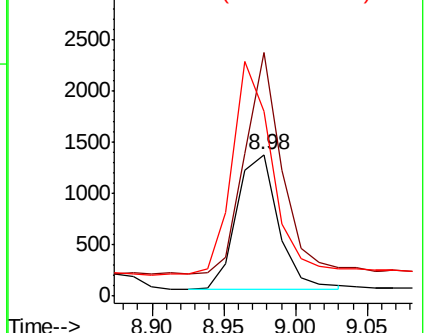
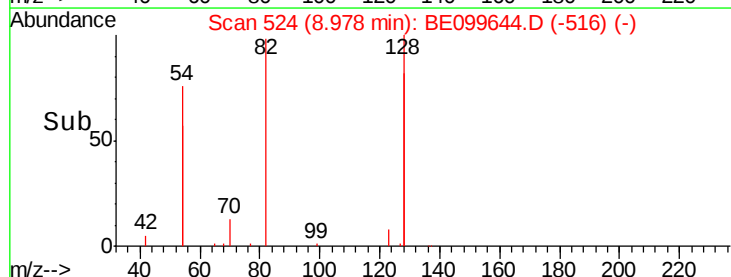
54 131.2 113.9 170.9

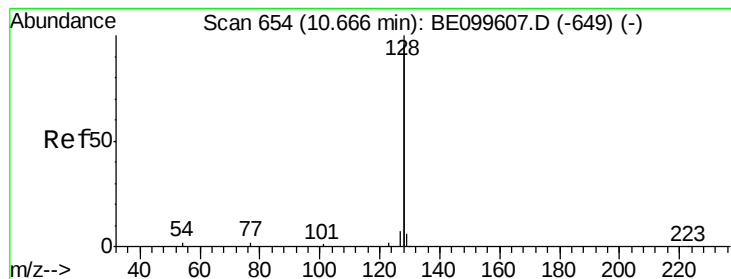


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.379 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :

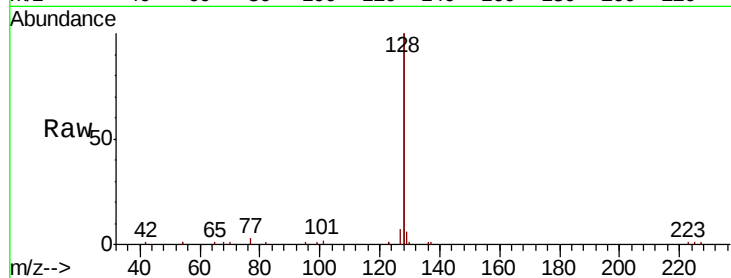
Tot Ion:128 Resp: 32096

Ion Ratio Lower Upper

128 100

129 3.0 2.6 4.0

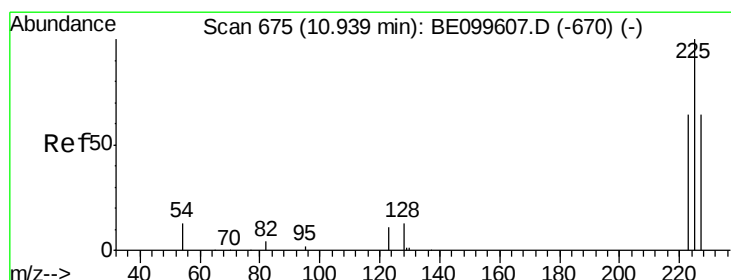
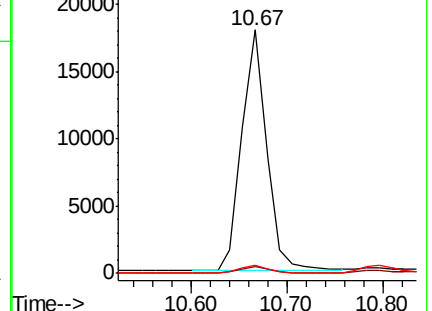
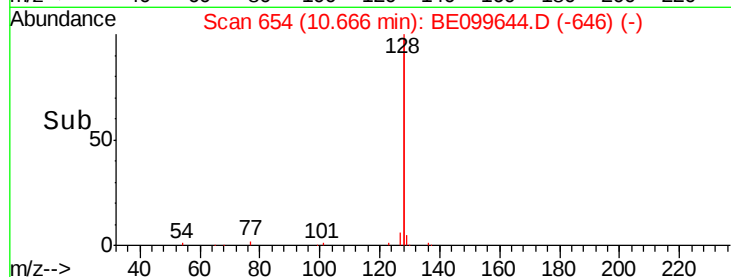
127 3.5 3.0 4.6



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: 0.366 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

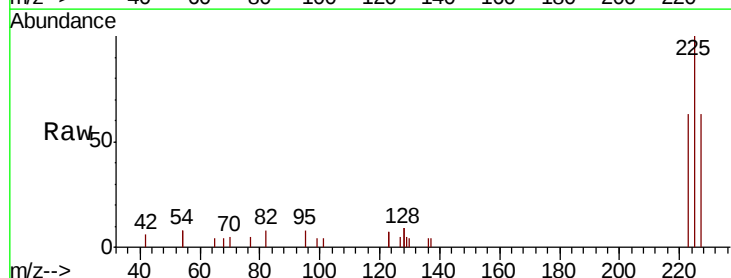
Tgt Ion:225 Resp: 2273

Ion Ratio Lower Upper

225 100

223 61.4 49.8 74.8

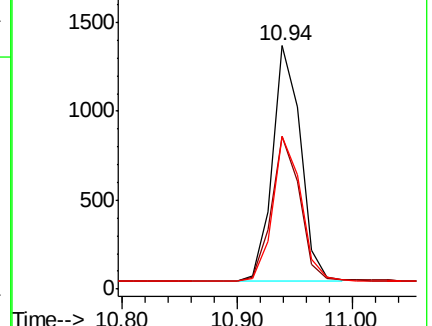
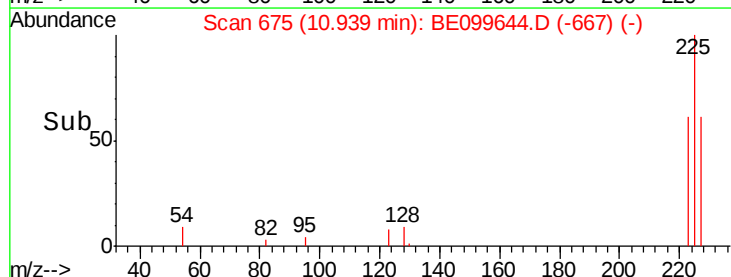
227 61.6 51.2 76.8

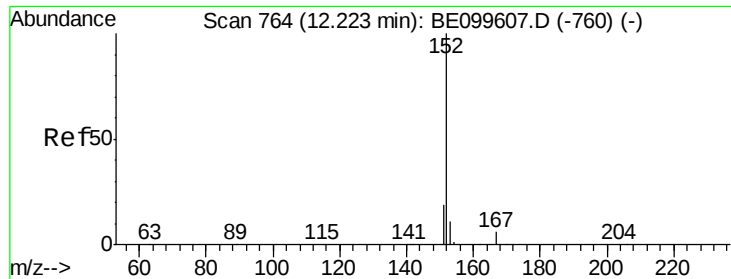


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

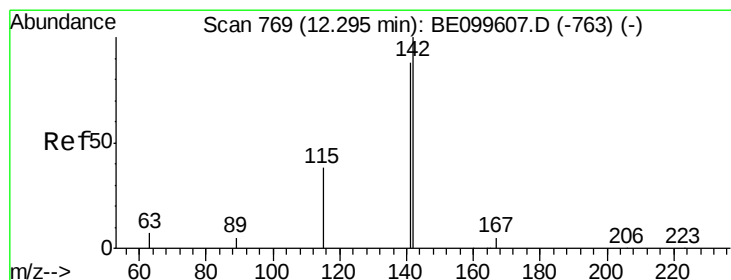
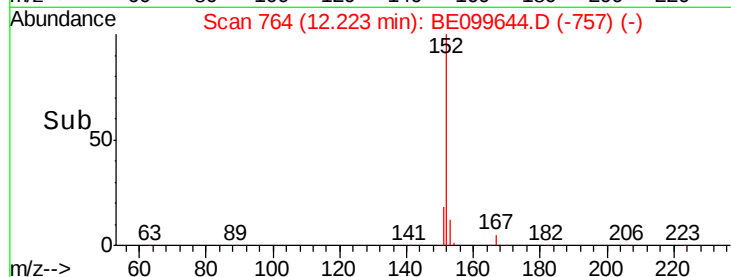
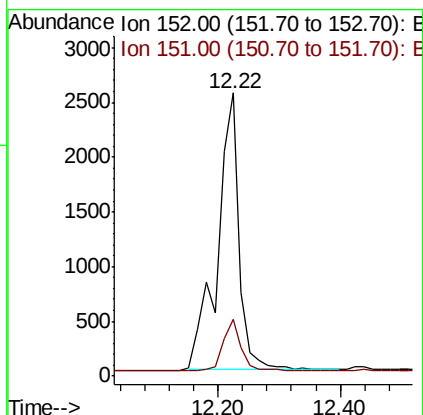
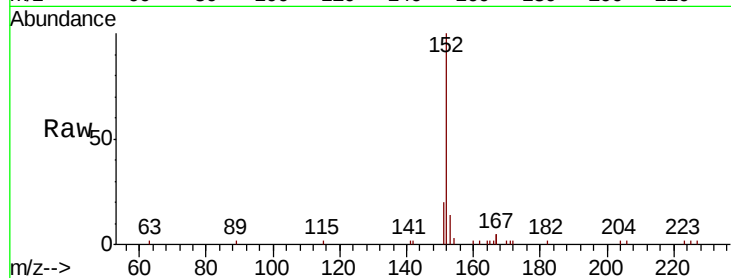




#11
 2-Methylnaphthalene-d10
 Concen: 0.468 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

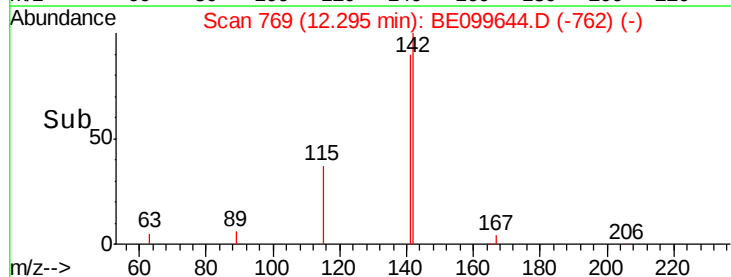
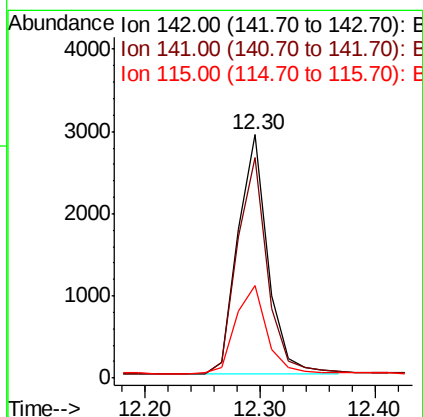
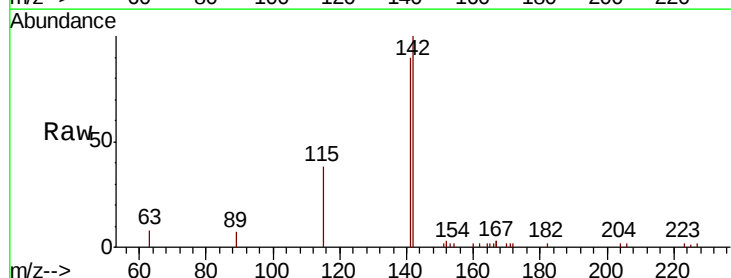
Instrument :
 BNA_E
 ClientSampleId :

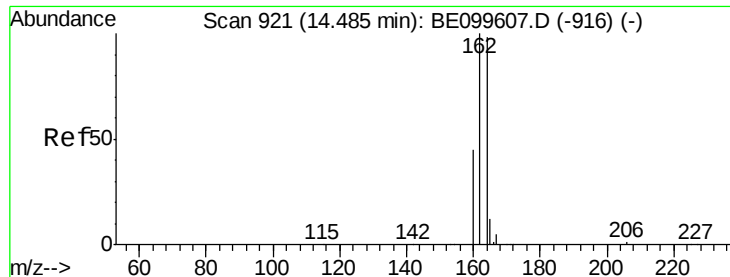
Tot Ion:152 Resp: 6268
 Ion Ratio Lower Upper
 152 100
 151 15.3 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.376 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

Tgt Ion:142 Resp: 5268
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.4 105.6
 115 38.1 32.2 48.4

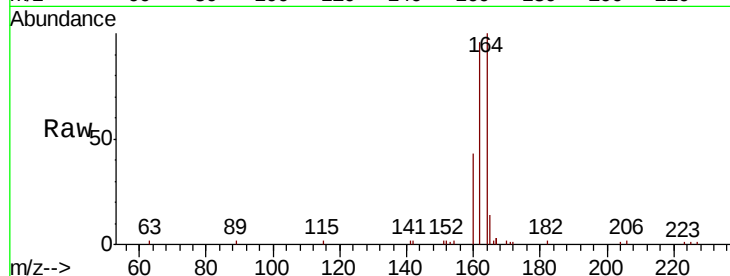




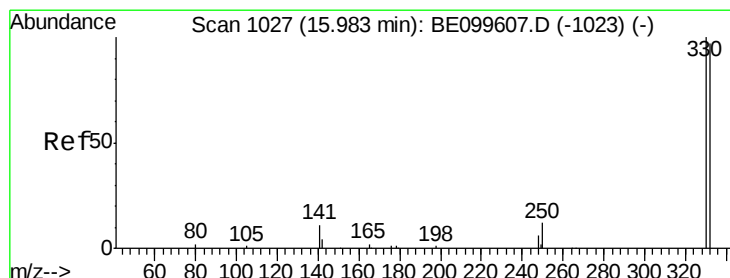
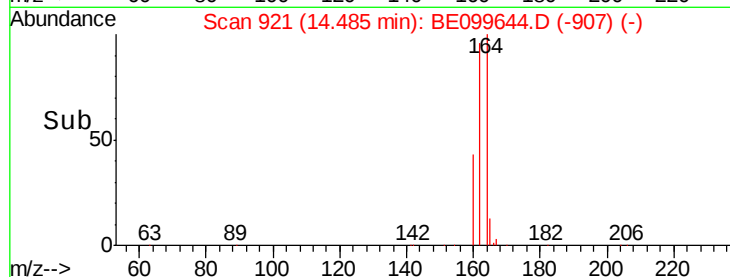
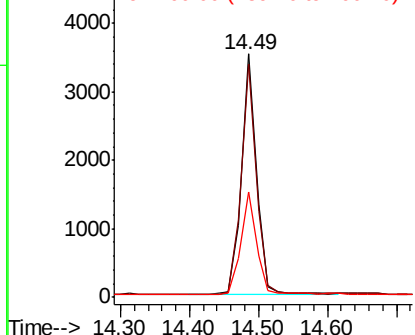
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 5238
Ion Ratio Lower Upper
164 100
162 95.7 81.4 122.0
160 43.4 37.4 56.2

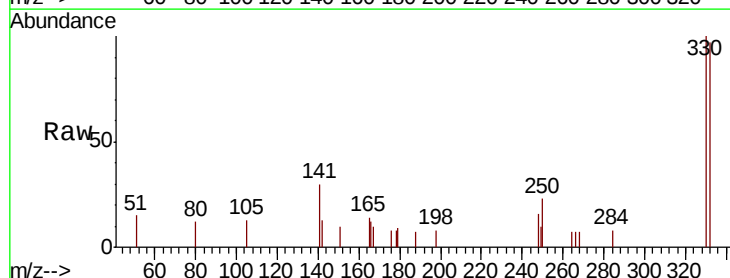


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

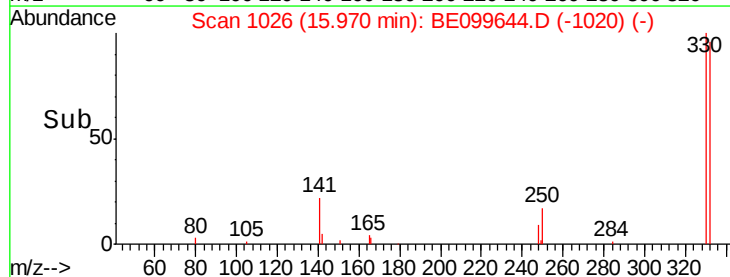
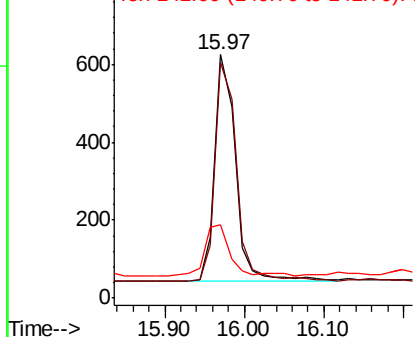


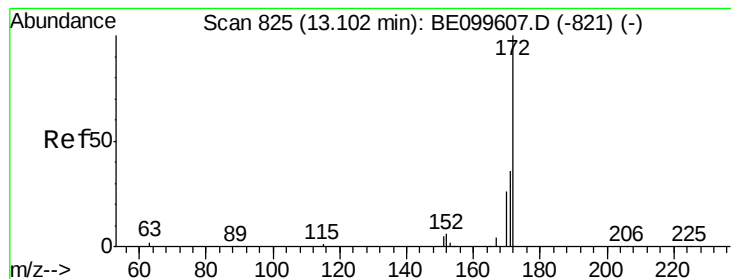
#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:330 Resp: 1050
Ion Ratio Lower Upper
330 100
332 100.9 73.8 110.8
141 27.0 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

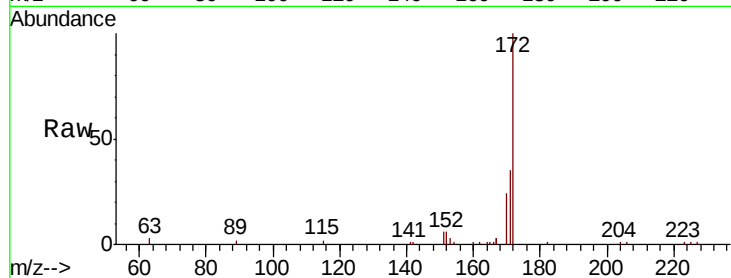




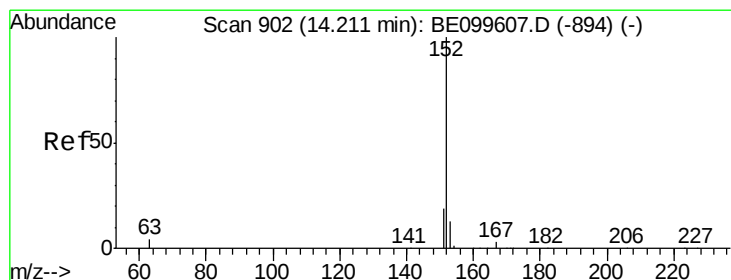
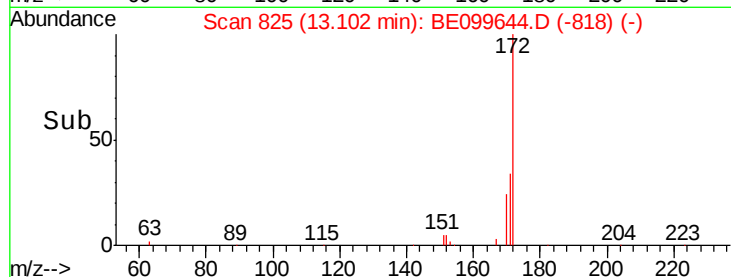
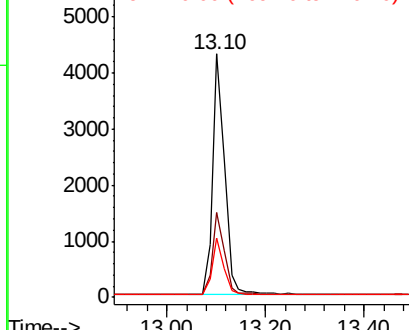
#15
2-Fluorobiphenyl
Concen: 0.358 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7221
Ion Ratio Lower Upper
172 100
171 34.7 29.4 44.2
170 24.5 21.5 32.3

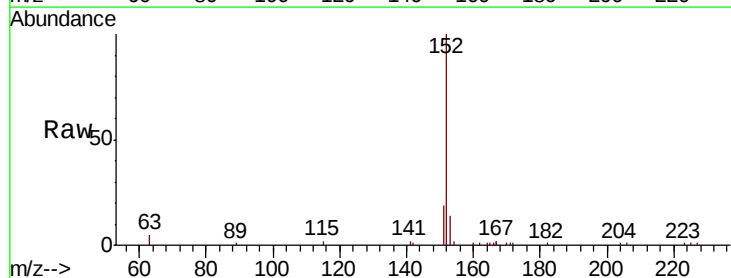


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

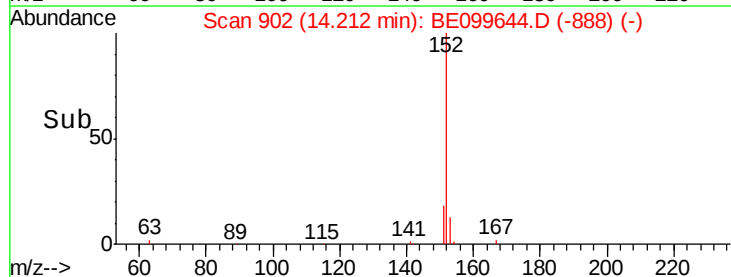
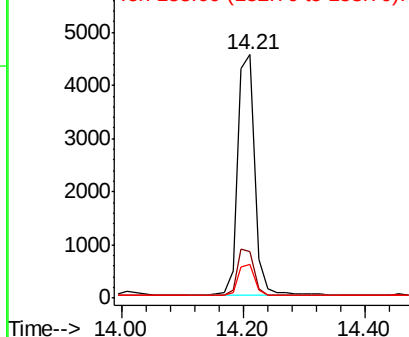


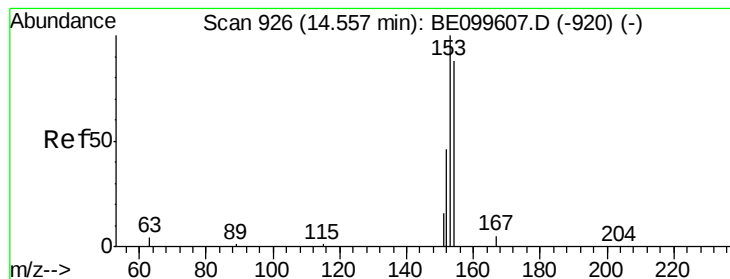
#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:152 Resp: 8908
Ion Ratio Lower Upper
152 100
151 19.3 15.6 23.4
153 12.9 10.4 15.6



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: 0.356 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampled :

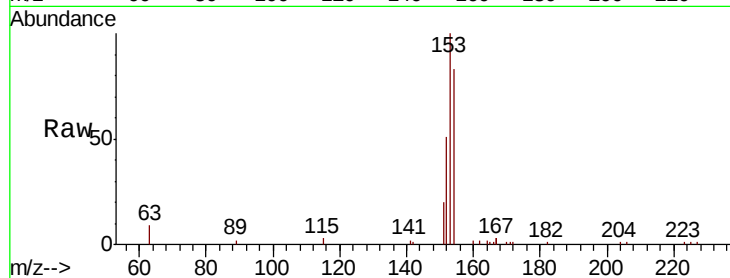
Tot Ion:154 Resp: 4970

Ion Ratio Lower Upper

154 100

153 117.7 94.1 141.1

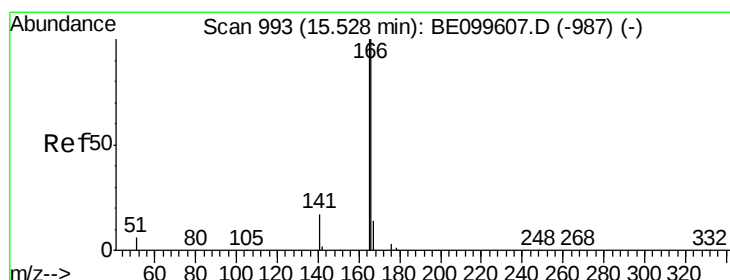
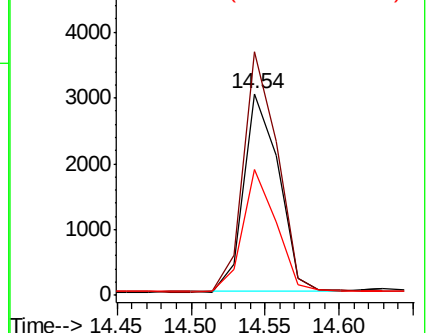
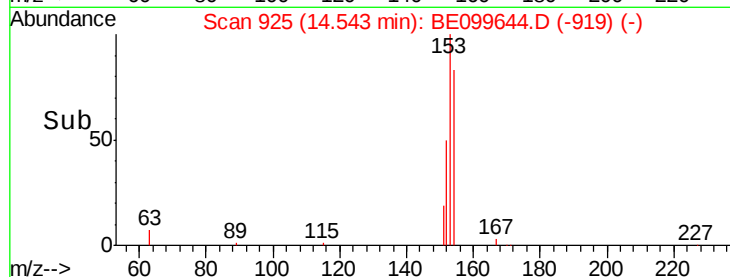
152 59.0 46.5 69.7



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: 0.360 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

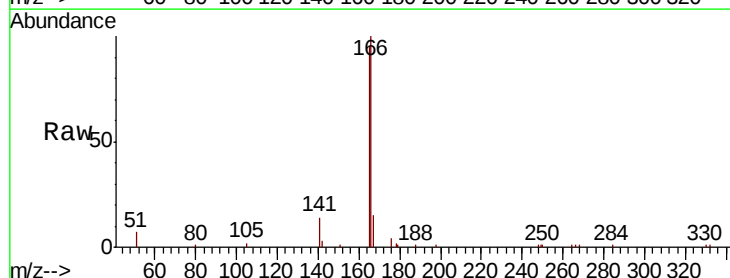
Tgt Ion:166 Resp: 7205

Ion Ratio Lower Upper

166 100

165 97.7 79.8 119.8

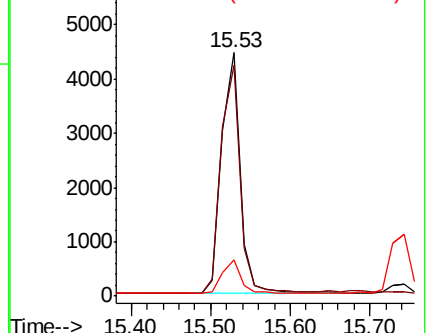
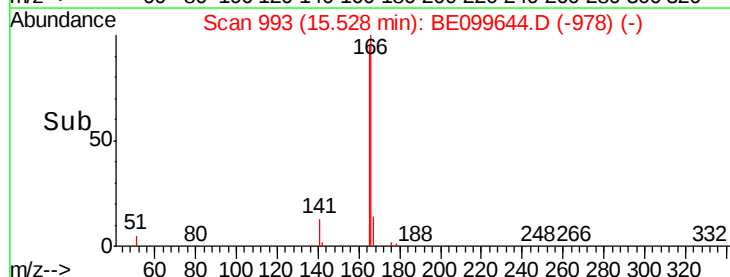
167 14.4 11.2 16.8

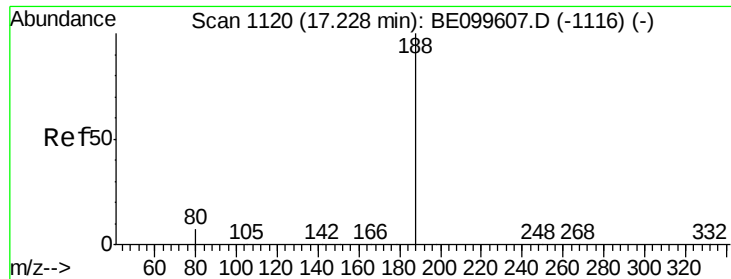


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :

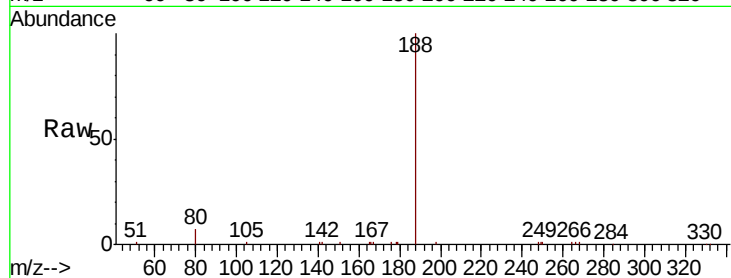
Tot Ion:188 Resp: 14334

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

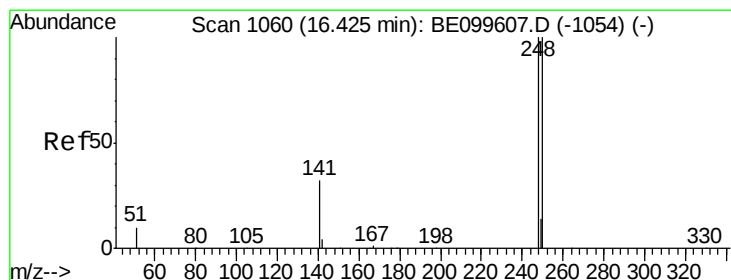
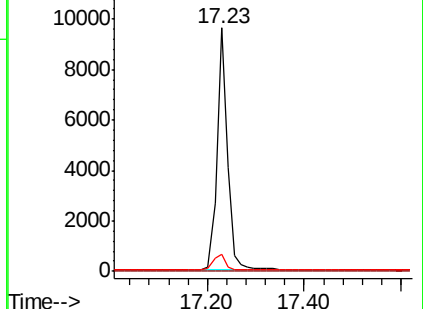
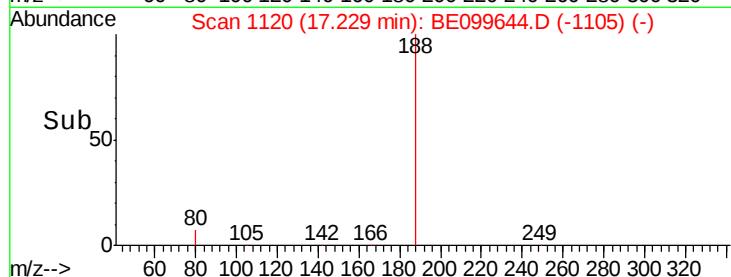
80 7.1 6.4 9.6



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: 0.357 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

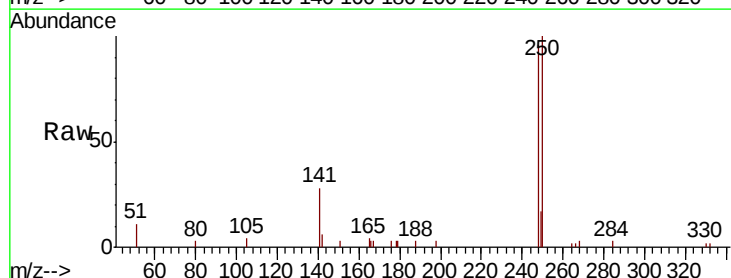
Tgt Ion:248 Resp: 2953

Ion Ratio Lower Upper

248 100

250 103.6 80.4 120.6

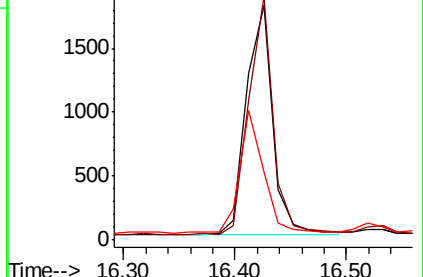
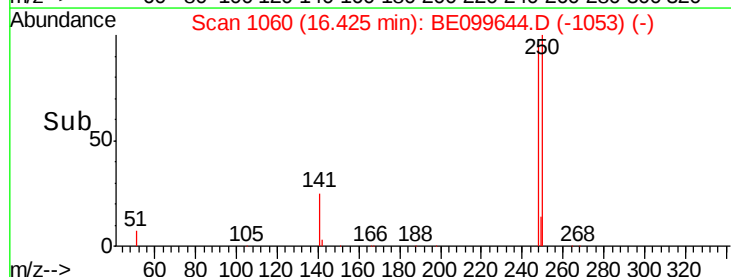
141 28.9 27.8 41.8

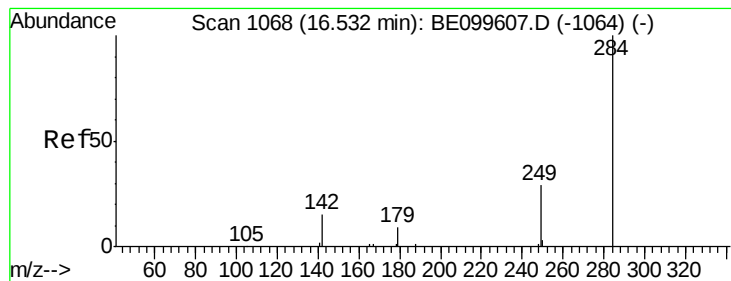


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.351 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampled :

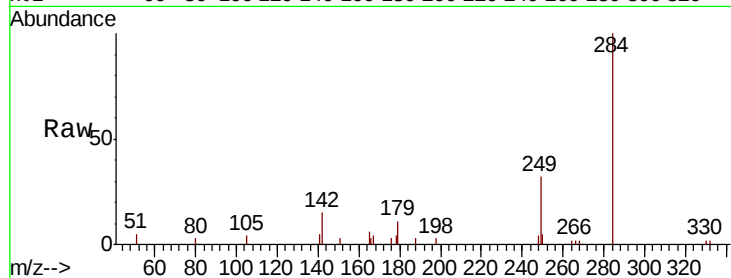
Tot Ion:284 Resp: 2852

Ion Ratio Lower Upper

284 100

142 24.7 19.4 29.2

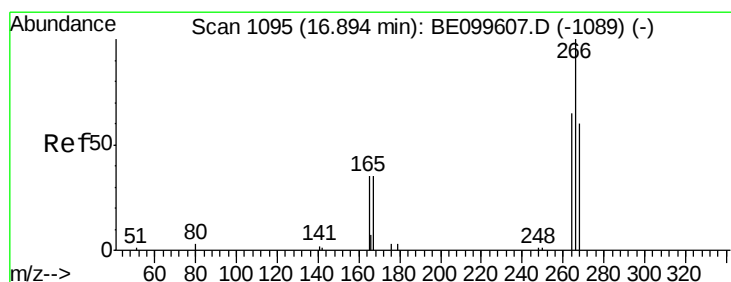
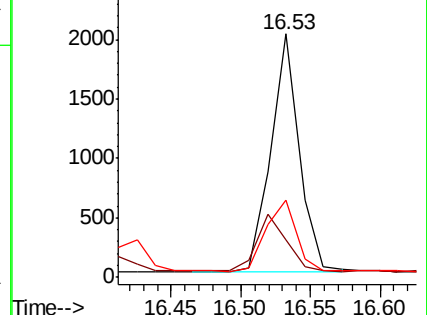
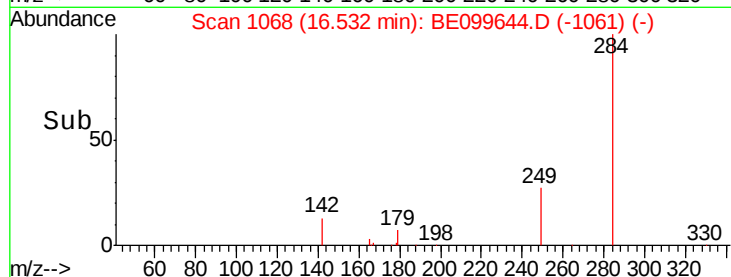
249 32.2 24.6 37.0



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: 0.708 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

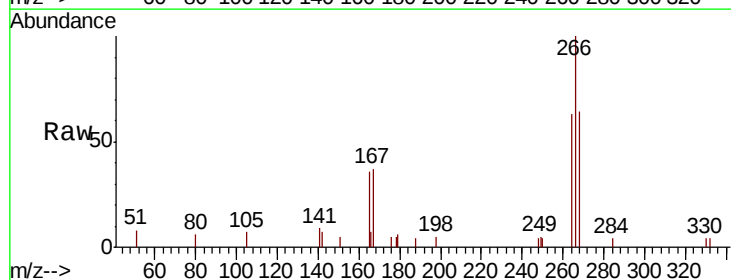
Tgt Ion:266 Resp: 2045

Ion Ratio Lower Upper

266 100

264 63.3 57.7 86.5

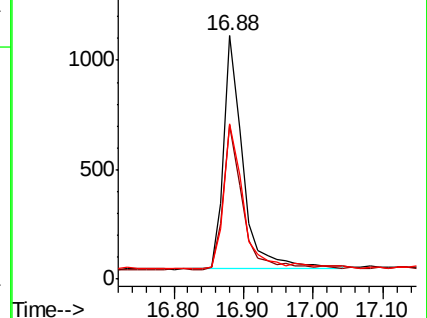
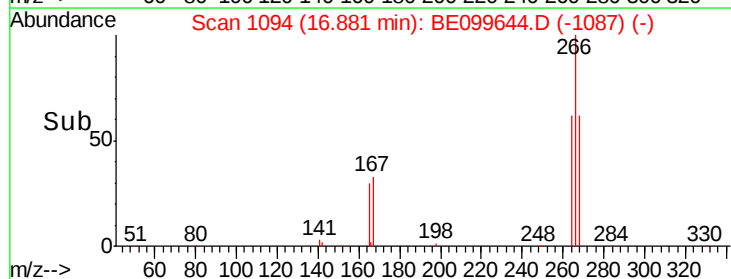
268 63.8 55.8 83.8



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: 0.397 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

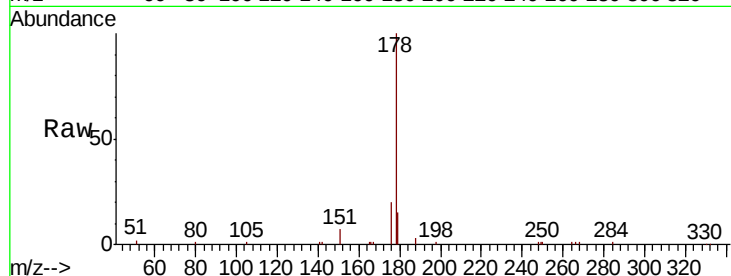
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 14144

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.0	12.2	18.2

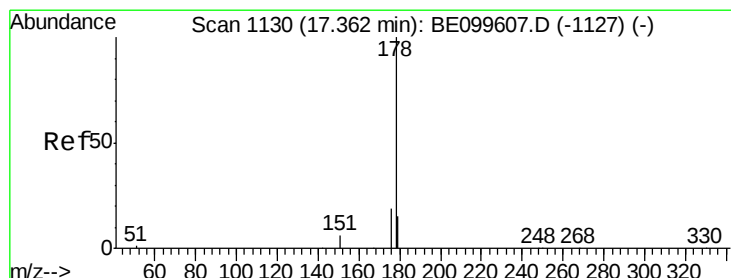
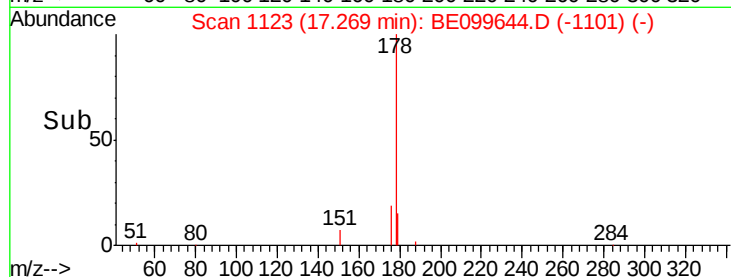
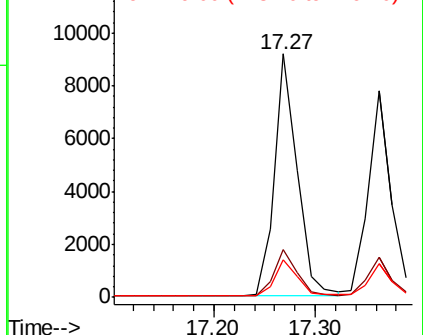


Abundance

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: 0.365 ng

RT: 17.36 min Scan# 1130

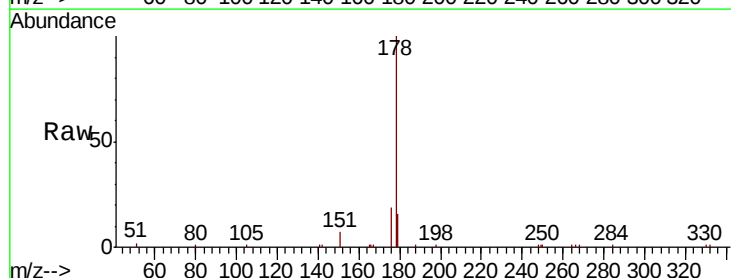
Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Tgt Ion:178 Resp: 11978

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	14.8	12.1	18.1

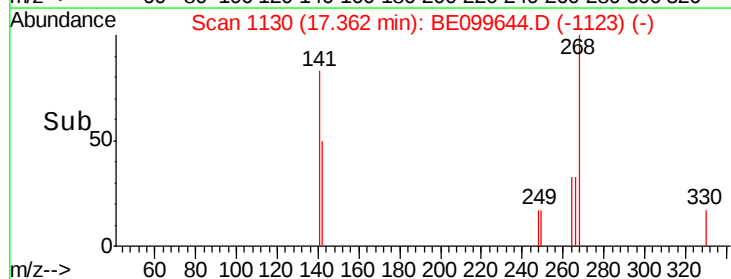
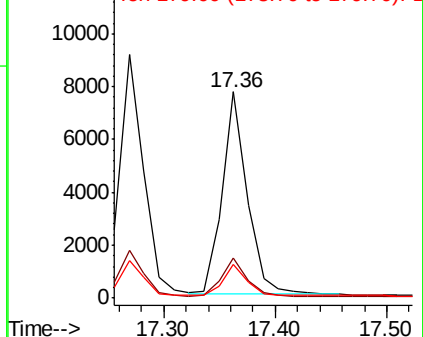


Abundance

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: 0.342 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :

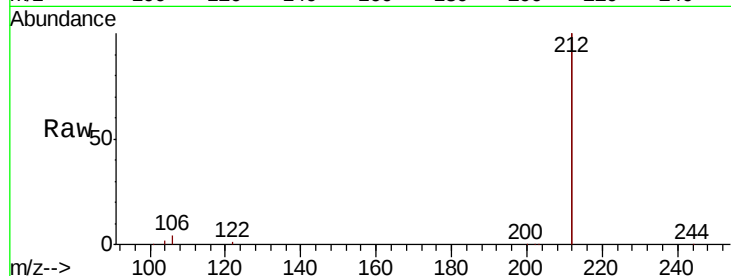
Tot Ion:212 Resp: 65177

Ion Ratio Lower Upper

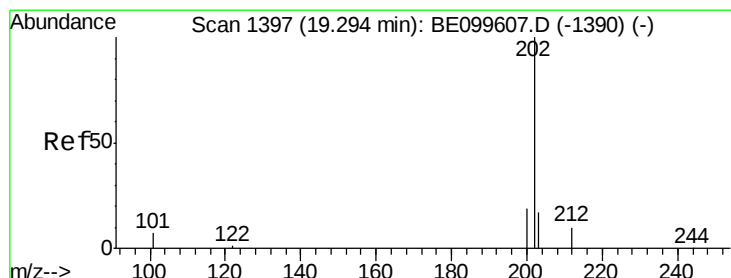
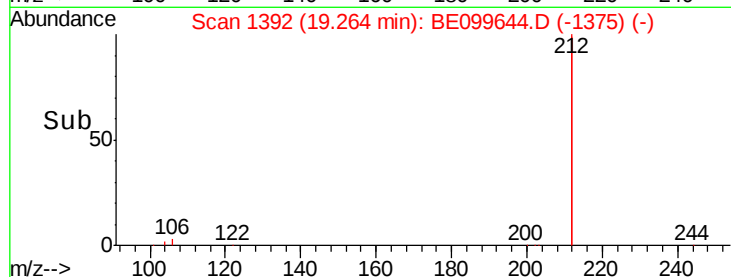
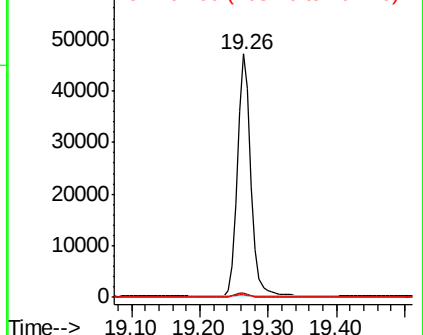
212 100

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: 0.397 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

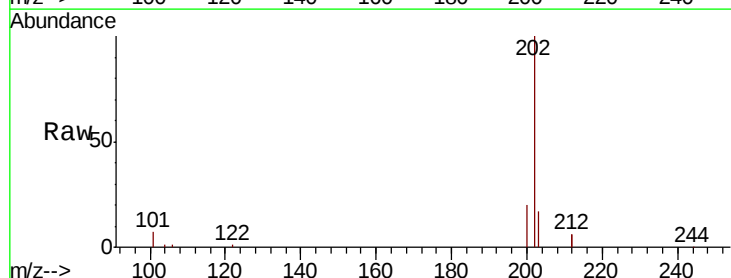
Tgt Ion:202 Resp: 21350

Ion Ratio Lower Upper

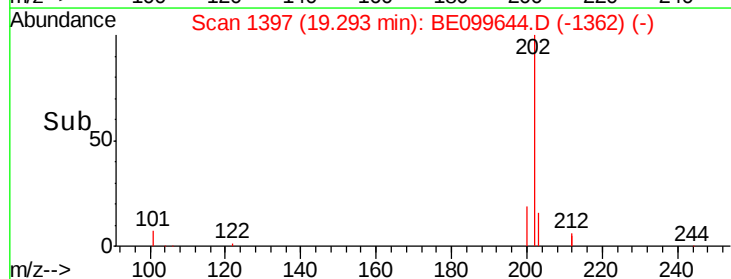
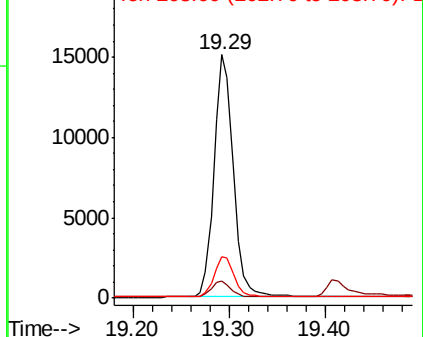
202 100

101 6.9 5.0 7.6

203 16.9 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

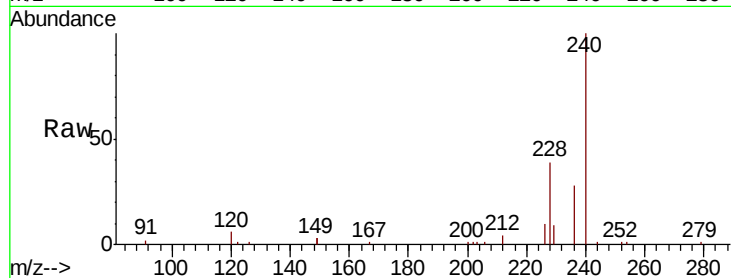




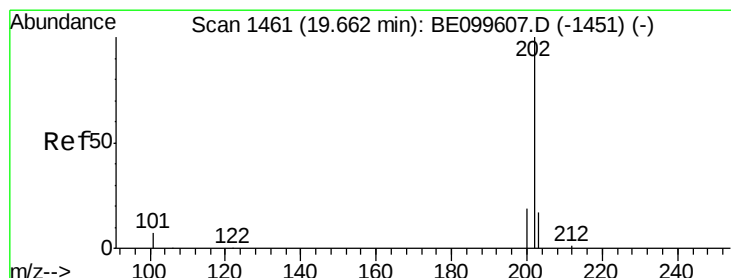
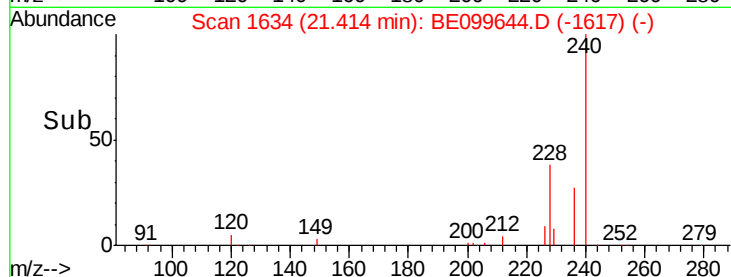
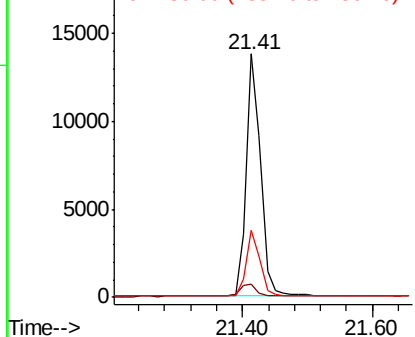
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 20962
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.7 8.5
 236 27.5 22.8 34.2

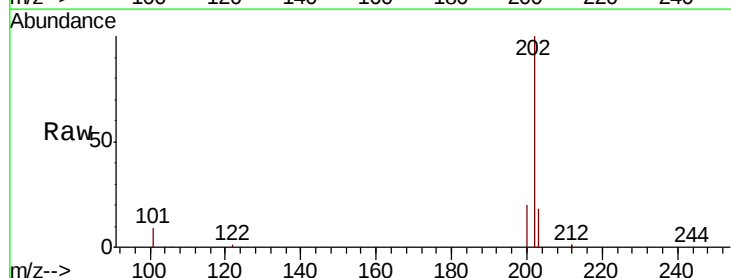


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

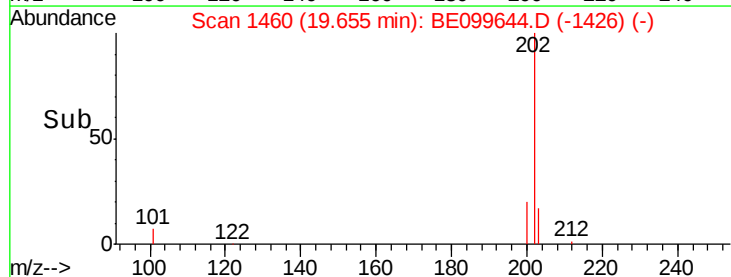
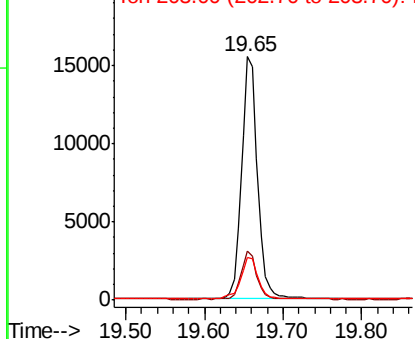


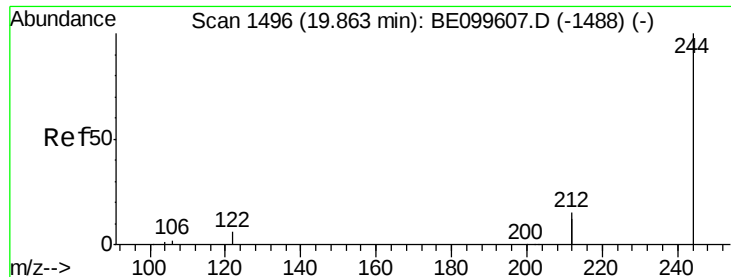
#28
 Pyrene
 Concen: 0.411 ng
 RT: 19.65 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

Tgt Ion:202 Resp: 21957
 Ion Ratio Lower Upper
 202 100
 200 19.2 15.8 23.6
 203 18.7 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.363 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampled :

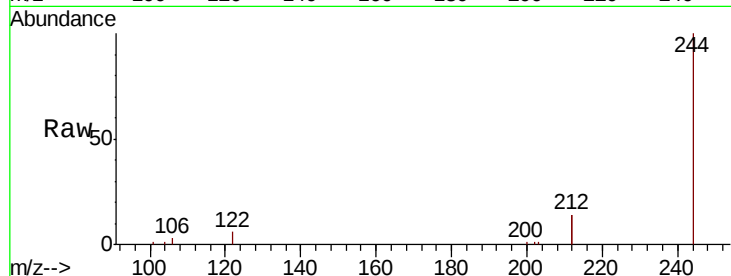
Tot Ion:244 Resp: 13713

Ion Ratio Lower Upper

244 100

212 28.5 23.8 35.6

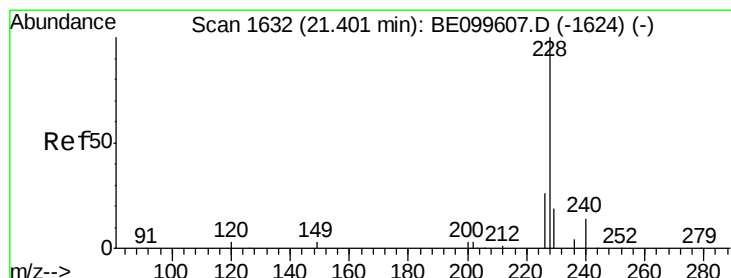
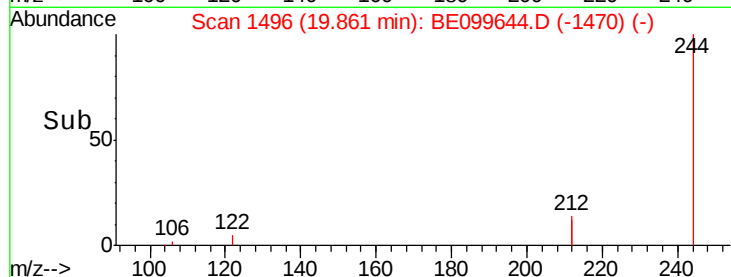
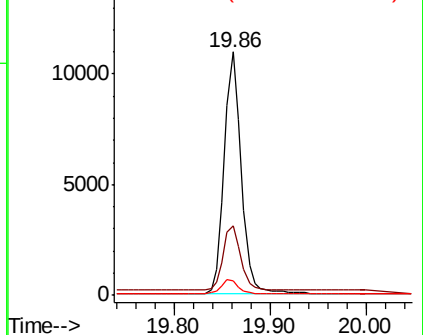
122 5.9 5.0 7.6



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: 0.417 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

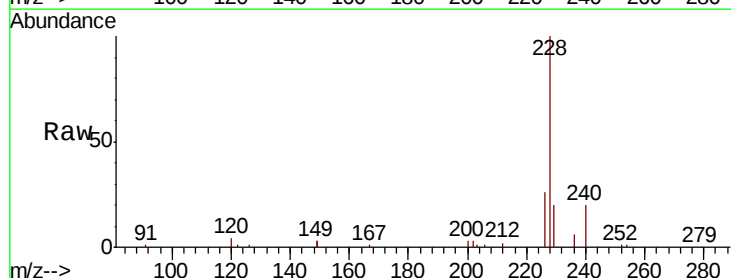
Tgt Ion:228 Resp: 26389

Ion Ratio Lower Upper

228 100

226 26.4 21.4 32.2

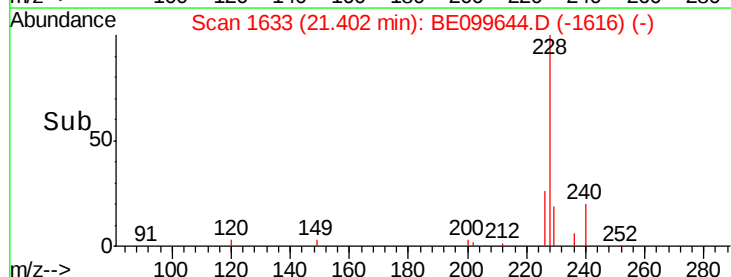
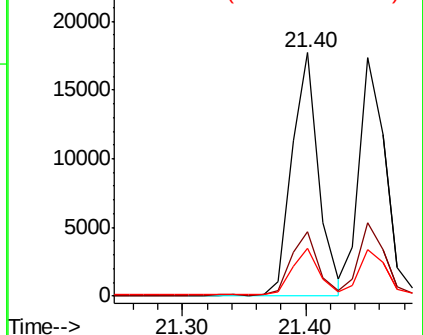
229 19.8 15.8 23.8

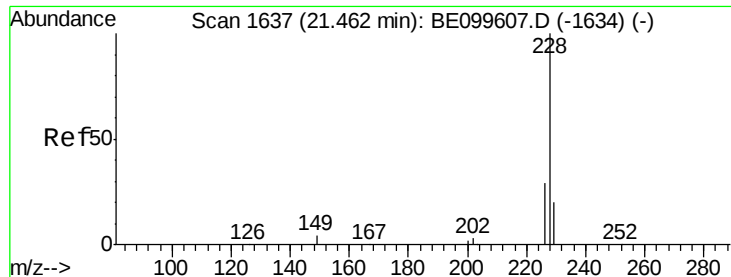


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.390 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :

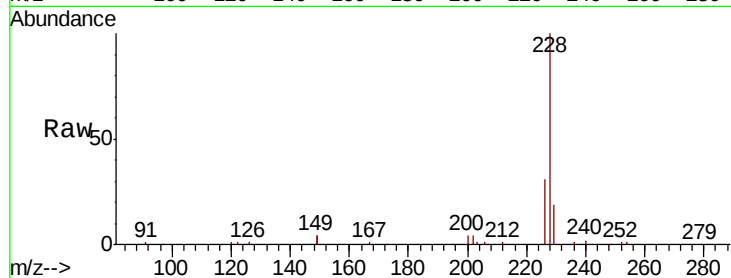
Tot Ion:228 Resp: 25439

Ion Ratio Lower Upper

228 100

226 30.6 23.0 34.4

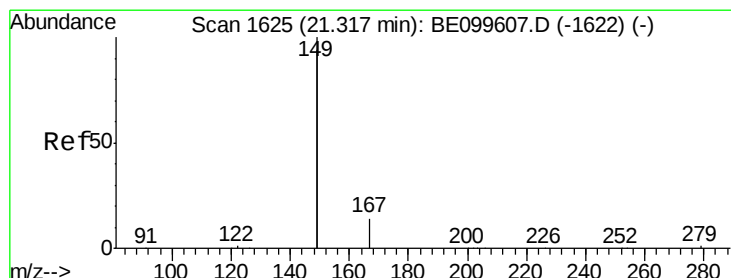
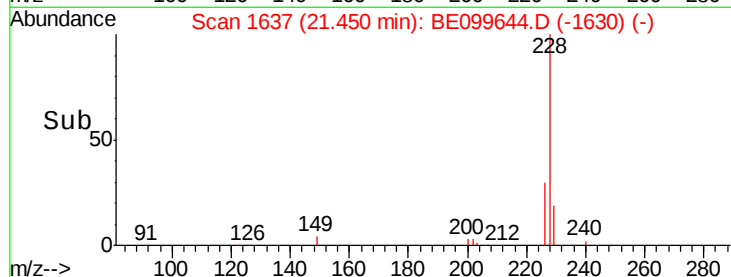
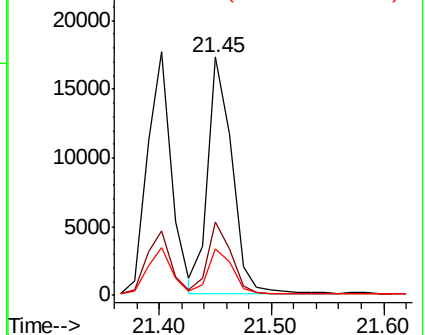
229 19.5 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.572 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

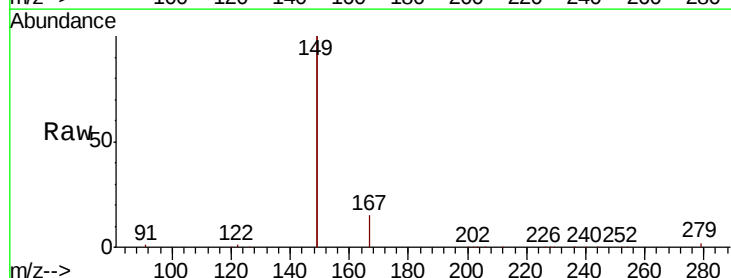
Tgt Ion:149 Resp: 55900

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

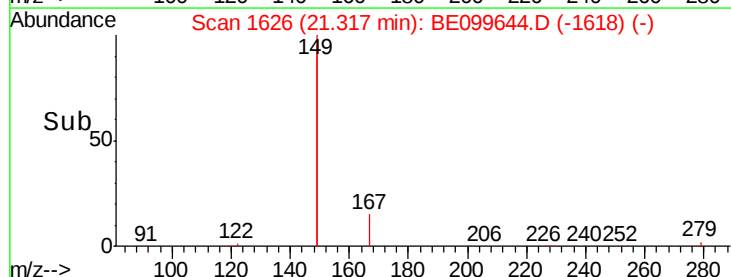
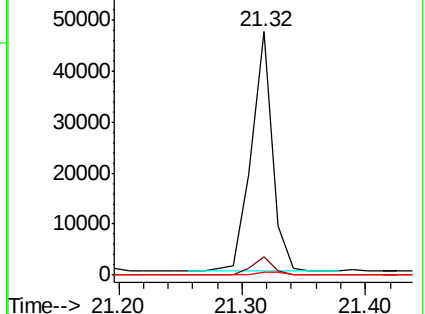
279 1.3 1.1 1.7



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

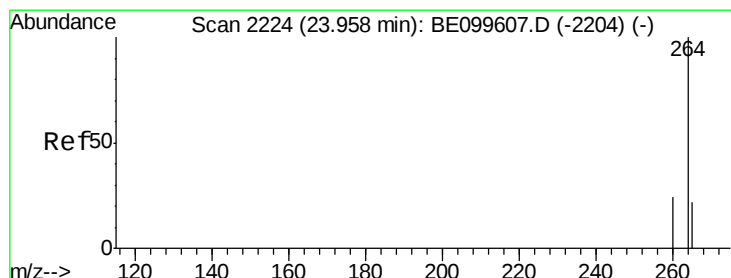
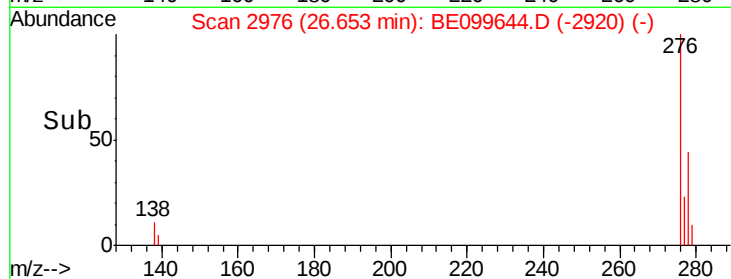
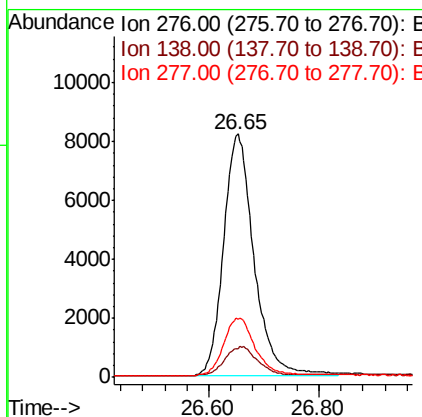
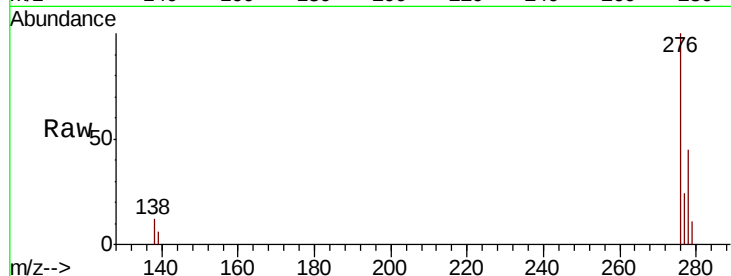




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.387 ng
 RT: 26.65 min Scan# 2976
 Delta R.T. 0.00 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

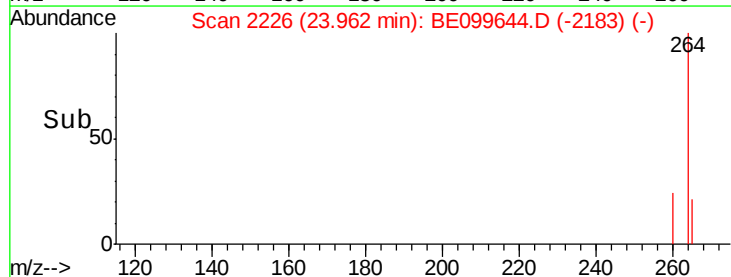
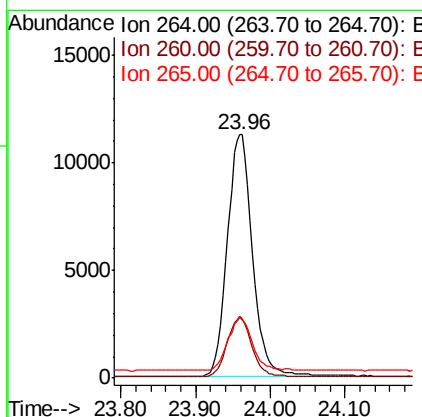
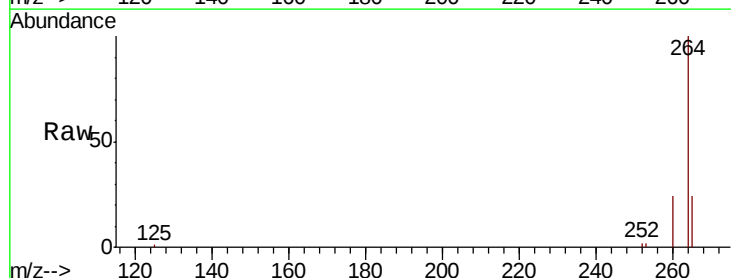
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 31413
 Ion Ratio Lower Upper
 276 100
 138 12.8 10.0 15.0
 277 24.2 19.1 28.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: BE099644.D
 Acq: 17 May 2019 10:13

Tgt Ion:264 Resp: 26420
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.7 29.5
 265 24.1 21.2 31.8

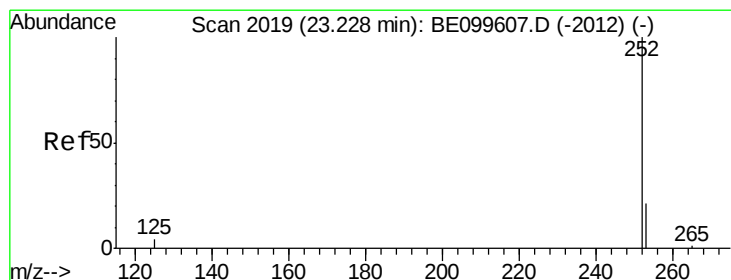
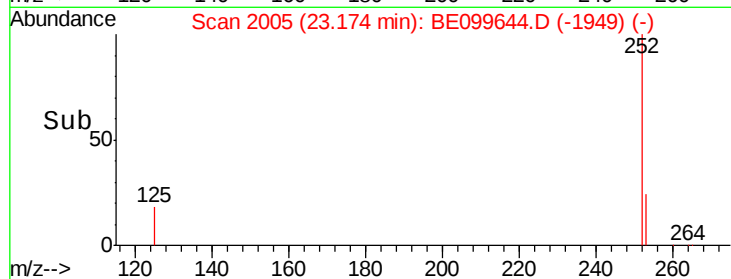
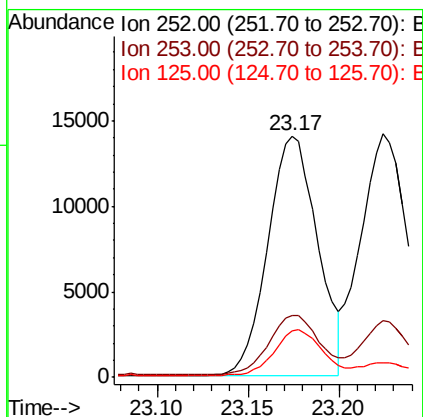
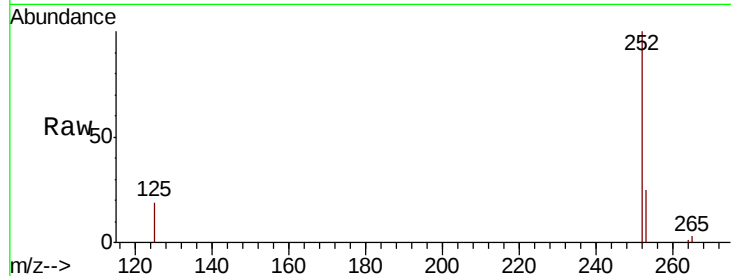




#35
Benzo(b)fluoranthene
Concen: 0.359 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

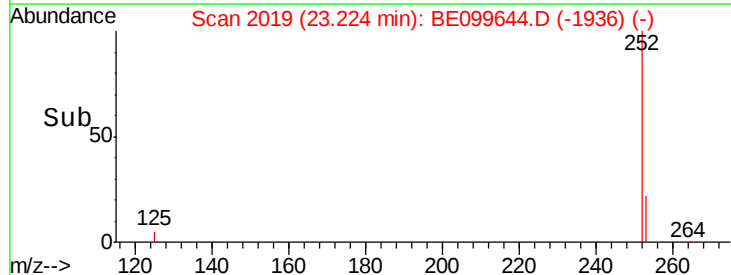
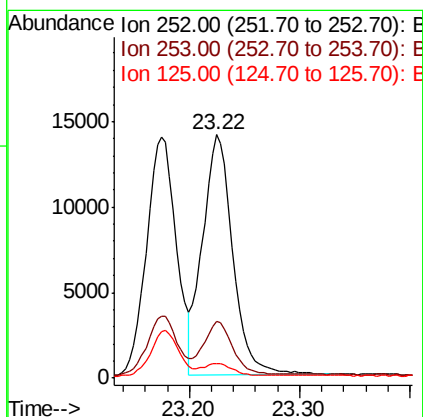
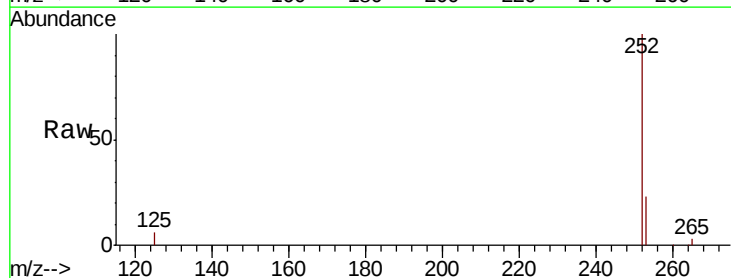
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 26543
Ion Ratio Lower Upper
252 100
253 25.5 19.1 28.7
125 19.2 7.8 11.8#



#36
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099644.D
Acq: 17 May 2019 10:13

Tgt Ion:252 Resp: 27006
Ion Ratio Lower Upper
252 100
253 23.1 18.6 28.0
125 6.2 5.2 7.8





#37

Benzo(a)pyrene

Concen: 0.370 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :

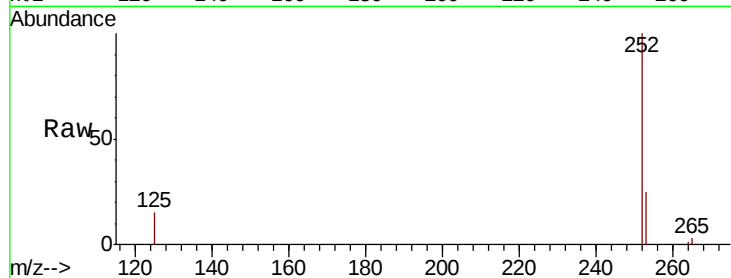
Tot Ion:252 Resp: 26481

Ion Ratio Lower Upper

252 100

253 25.2 19.0 28.6

125 14.9 8.8 13.2#

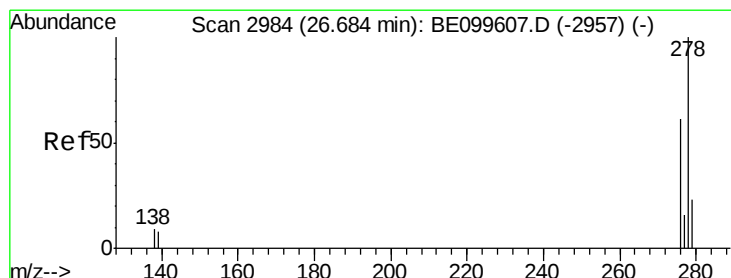
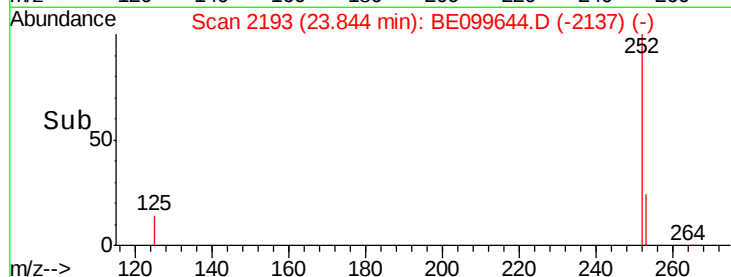
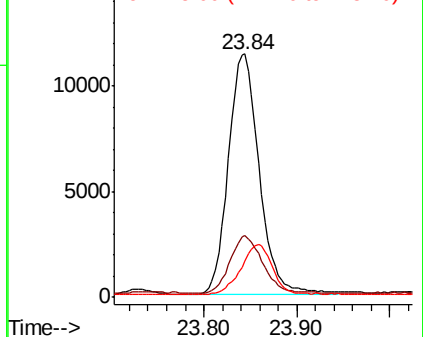


Abundance

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: 0.354 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BE099644.D

Acq: 17 May 2019 10:13

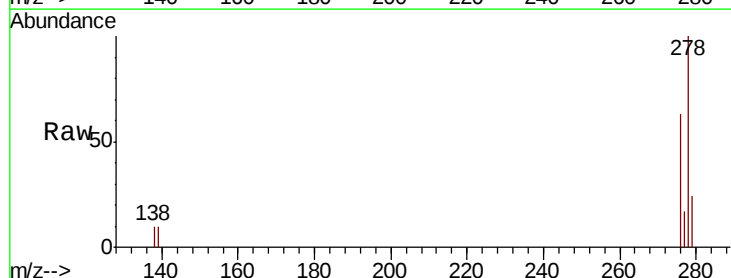
Tgt Ion:278 Resp: 26291

Ion Ratio Lower Upper

278 100

139 10.2 7.9 11.9

279 23.6 19.5 29.3

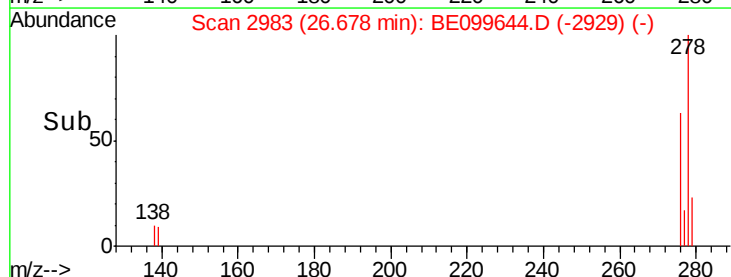
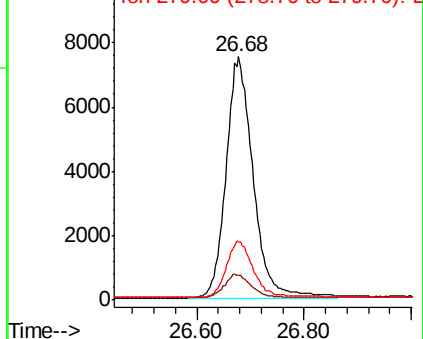


Abundance

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: 0.355 ng

RT: 27.48 min Scan# 3208

Delta R.T. -0.01 min

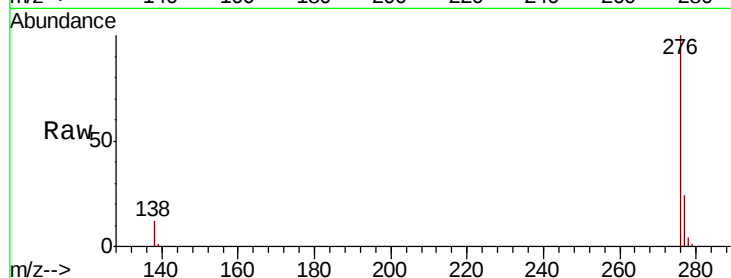
Lab File: BE099644.D

Acq: 17 May 2019 10:13

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 26495

Ion Ratio Lower Upper

276 100

277 23.9 19.3 28.9

138 11.6 9.1 13.7

