

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099665.D
 Acq On : 20 May 2019 14:50
 Operator : JU/SJ
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 20 15:46:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 15:39:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1663	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5965	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4213	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	12394	0.40	ng	0.00
27) Chrysene-d12	21.41	240	20849	0.40	ng	0.00
34) Perylene-d12	23.96	264	21729	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	23121	4.90	ng	0.00
5) Phenol-d6	6.97	99	31767	5.31	ng	0.00
8) Nitrobenzene-d5	8.97	82	30828	5.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	54678	5.45	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	16609	5.76	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	82814	5.10	ng	0.00
25) Fluoranthene-d10	19.26	212	924831	5.61	ng	0.00
29) Terphenyl-d14	19.86	244	196419	5.23	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	11630	4.742	ng	94
3) n-Nitrosodimethylamine	3.61	42	7552	4.829	ng	# 80
6) bis(2-Chloroethyl)ether	7.23	93	26277	5.220	ng	98
9) Naphthalene	10.67	128	331574	5.224	ng	99
10) Hexachlorobutadiene	10.94	225	24185	5.208	ng	97
12) 2-Methylnaphthalene	12.30	142	56565	5.396	ng	97
16) Acenaphthylene	14.20	152	108303	5.444	ng	99
17) Acenaphthene	14.54	154	59598	5.307	ng	99
18) Fluorene	15.53	166	88241	5.478	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	40202	5.626	ng	# 90
21) Hexachlorobenzene	16.53	284	39863	5.678	ng	99
22) Pentachlorophenol	16.88	266	17893	6.389	ng	88
23) Phenanthrene	17.27	178	161011	5.233	ng	100
24) Anthracene	17.36	178	162937	5.741	ng	99
26) Fluoranthene	19.29	202	260959	5.607	ng	99
28) Pyrene	19.65	202	267052	5.025	ng	100
30) Benzo(a)anthracene	21.40	228	318226	5.051	ng	99
31) Chrysene	21.45	228	319381	4.922	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	384424	3.956	ng	99
33) Indeno(1,2,3-cd)pyrene	26.65	276	402398	4.982	ng	99
35) Benzo(b)fluoranthene	23.17	252	318140	5.237	ng	99
36) Benzo(k)fluoranthene	23.22	252	326779	5.446	ng	99
37) Benzo(a)pyrene	23.84	252	307464	5.225	ng	97
38) Dibenzo(a,h)anthracene	26.68	278	334169	5.476	ng	99
39) Benzo(g,h,i)perylene	27.48	276	328938	5.360	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

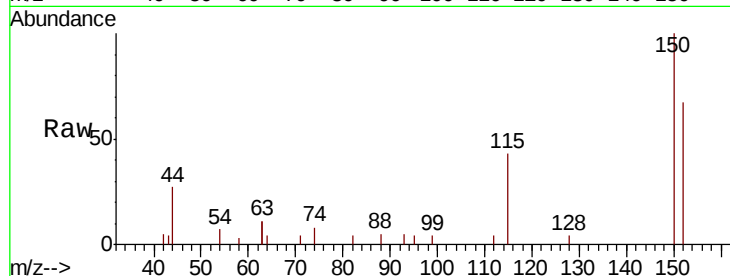
Tot Ion:152 Resp: 1663

Ion Ratio Lower Upper

152 100

150 149.3 109.2 163.8

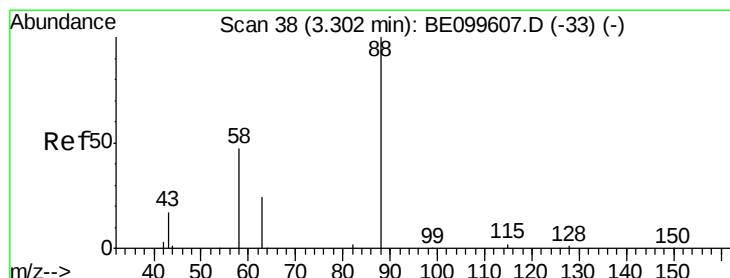
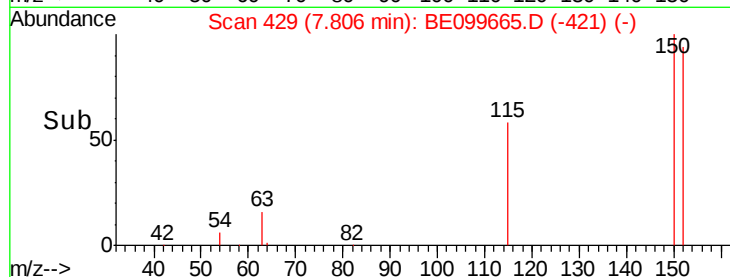
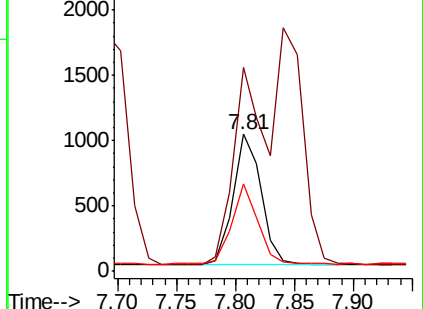
115 63.8 43.7 65.5



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: 4.742 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

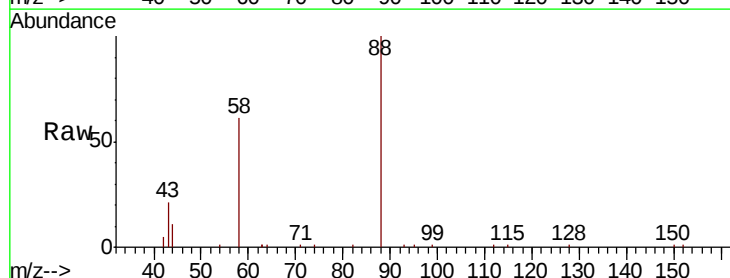
Tgt Ion: 88 Resp: 11630

Ion Ratio Lower Upper

88 100

58 57.5 41.8 62.8

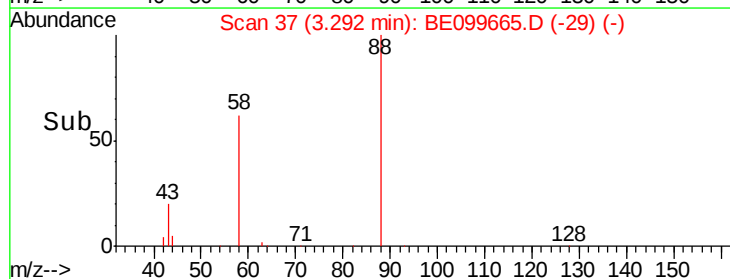
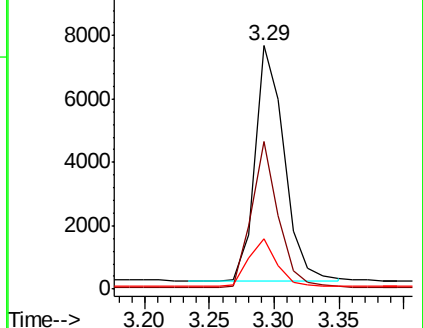
43 19.8 15.0 22.4



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



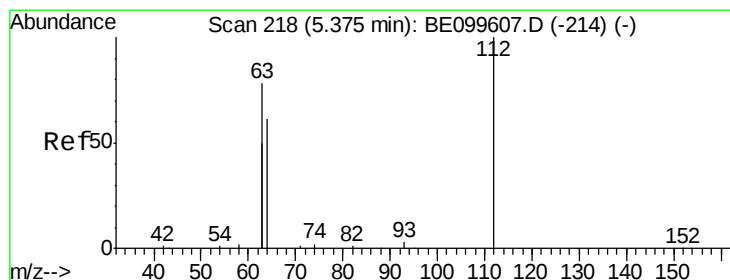
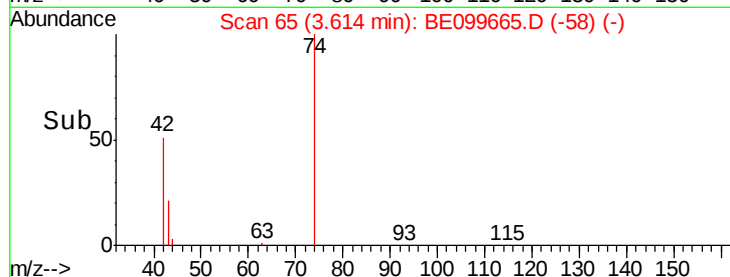
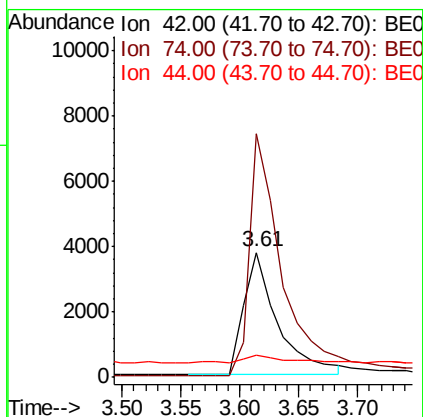
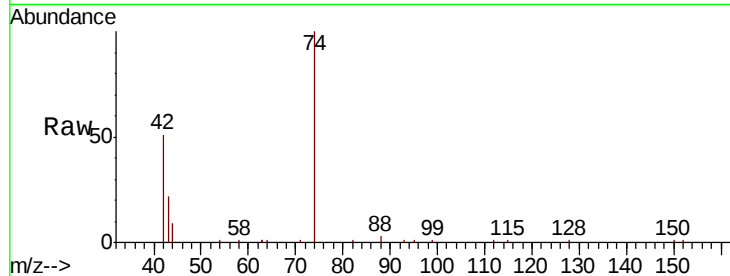


#3

n-Nitrosodimethylamine
 Concen: 4.829 ng
 RT: 3.61 min Scan# 65
 Delta R.T. -0.02 min
 Lab File: BE099665.D
 Acq: 20 May 2019 14:50

Instrument :
 BNA_E
 ClientSampled :

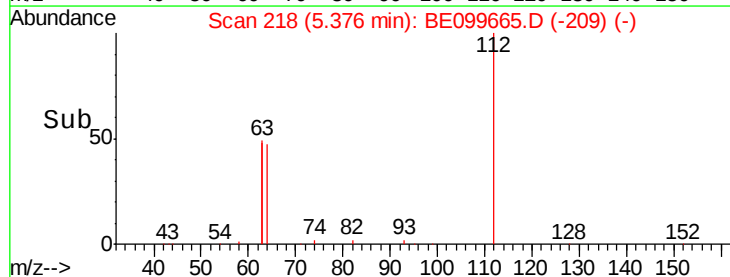
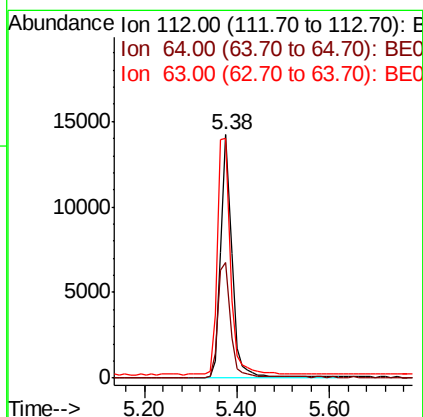
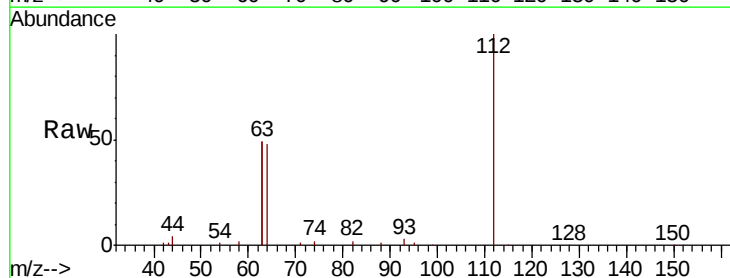
Tot Ion: 42 Resp: 7552
 Ion Ratio Lower Upper
 42 100
 74 187.4 128.4 192.6
 44 6.0 0.0 0.0#



#4

2-Fluorophenol
 Concen: 4.898 ng
 RT: 5.38 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE099665.D
 Acq: 20 May 2019 14:50

Tgt Ion: 112 Resp: 23121
 Ion Ratio Lower Upper
 112 100
 64 54.1 43.4 65.2
 63 115.1 96.9 145.3





#5

Phenol-d6

Concen: 5.308 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampled :

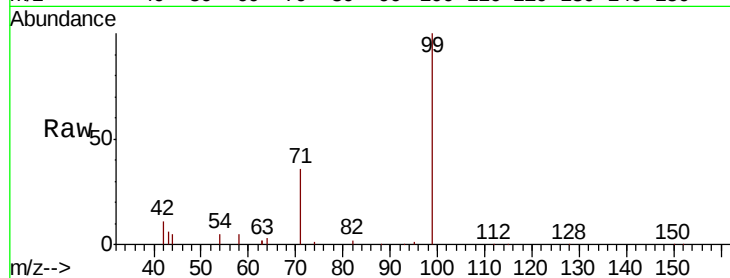
Tot Ion: 99 Resp: 31767

Ion Ratio Lower Upper

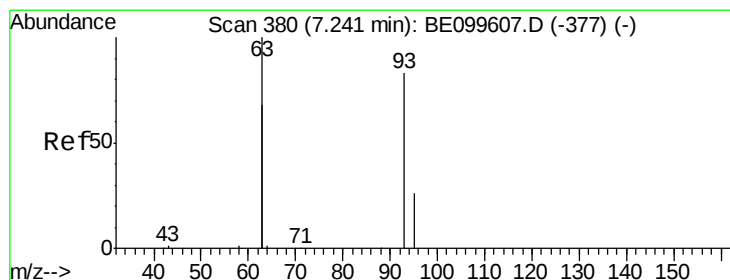
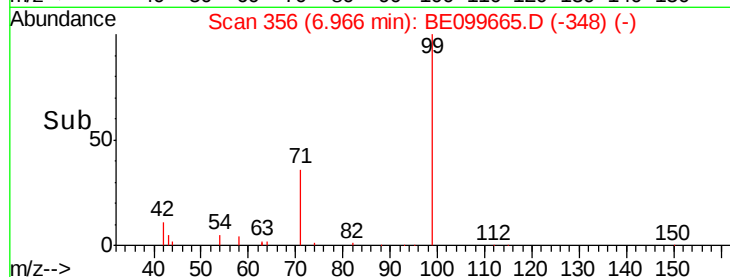
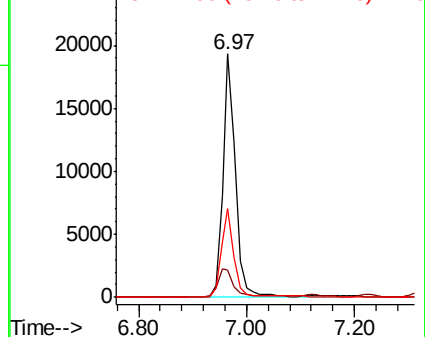
99 100

42 13.6 12.2 18.2

71 36.6 28.9 43.3



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: 5.220 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

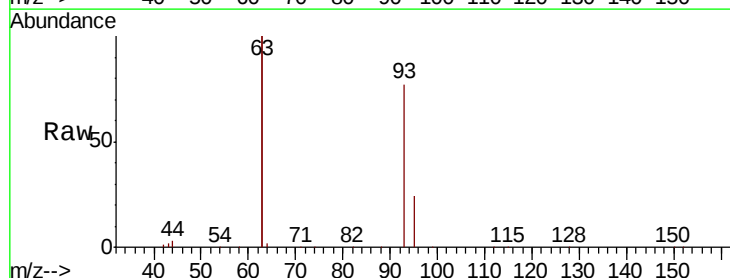
Tgt Ion: 93 Resp: 26277

Ion Ratio Lower Upper

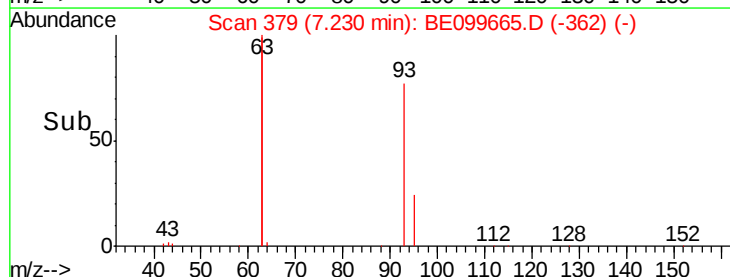
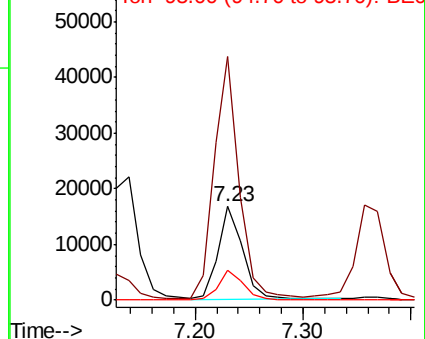
93 100

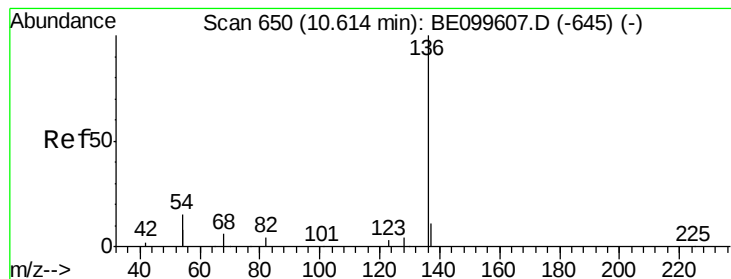
63 263.7 207.8 311.6

95 32.2 25.9 38.9



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: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5965

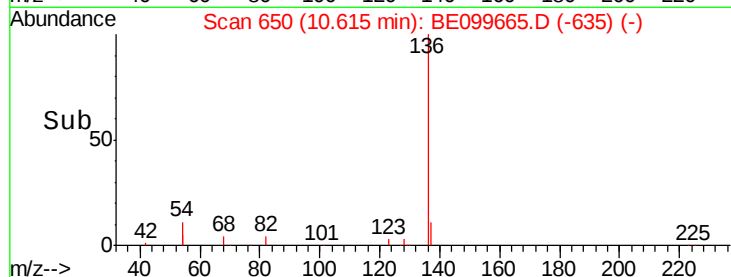
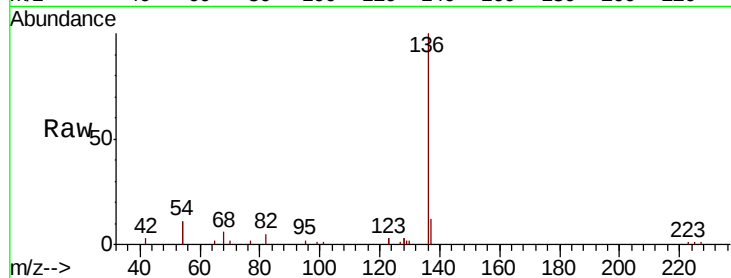
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 21.3 22.3 33.5#

68 5.6 6.0 9.0#

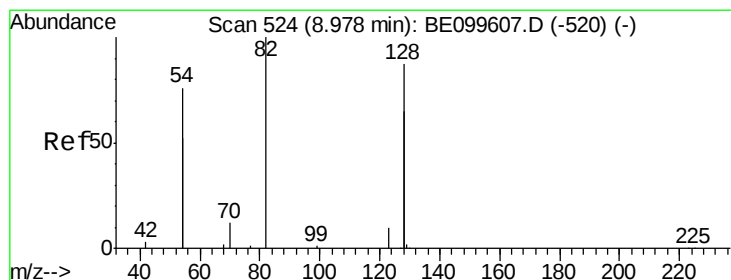
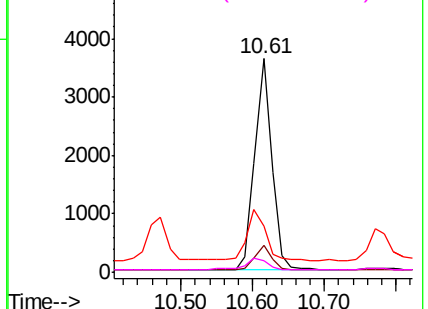


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.338 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

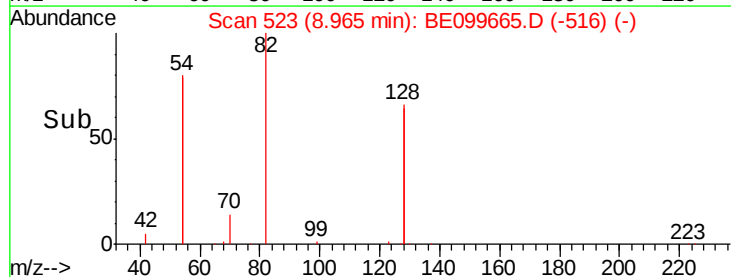
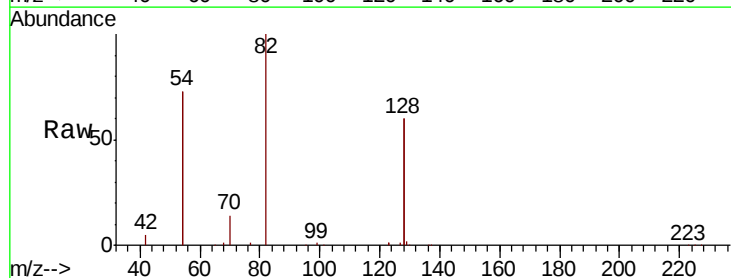
Tgt Ion: 82 Resp: 30828

Ion Ratio Lower Upper

82 100

128 120.0 117.7 176.5

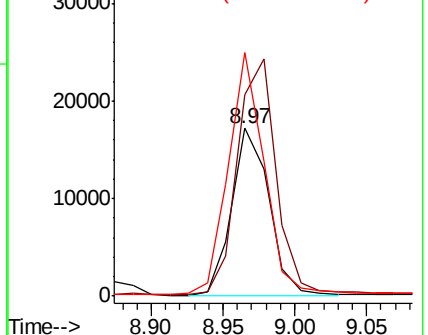
54 145.3 106.6 160.0



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: 5.224 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampled :

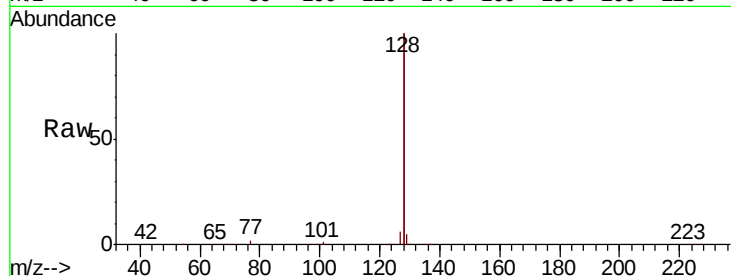
Tot Ion:128 Resp: 331574

Ion Ratio Lower Upper

128 100

129 2.7 2.4 3.6

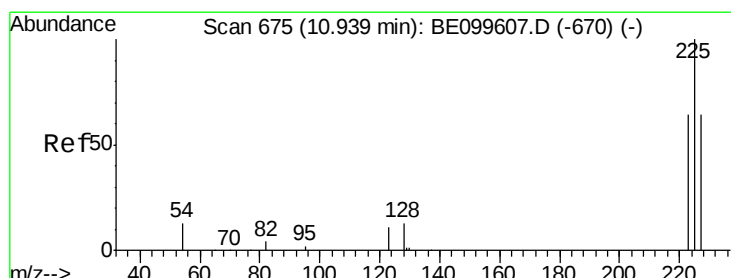
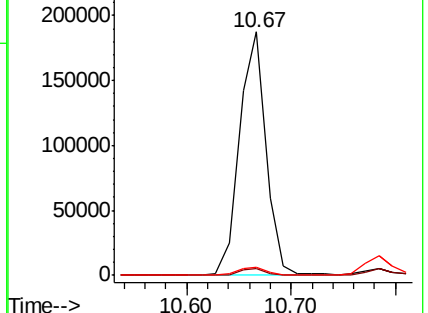
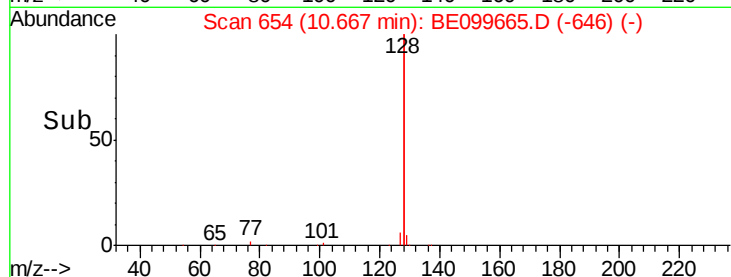
127 3.2 2.9 4.3



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: 5.208 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

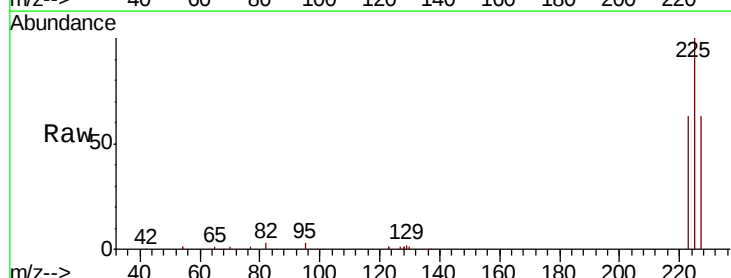
Tgt Ion:225 Resp: 24185

Ion Ratio Lower Upper

225 100

223 62.7 51.8 77.6

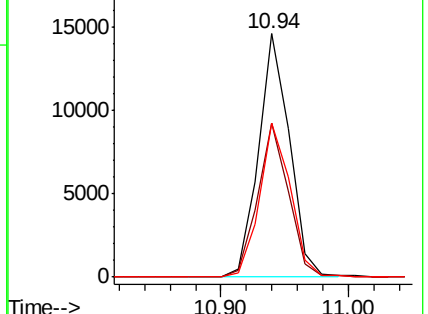
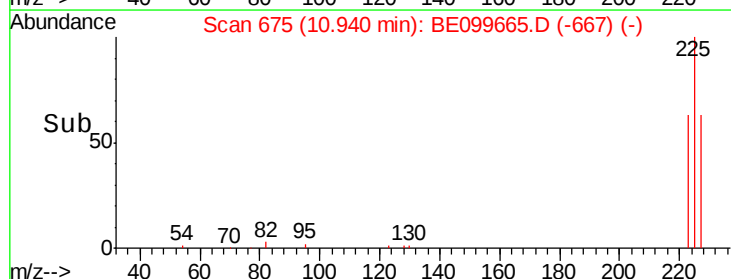
227 63.1 52.6 79.0

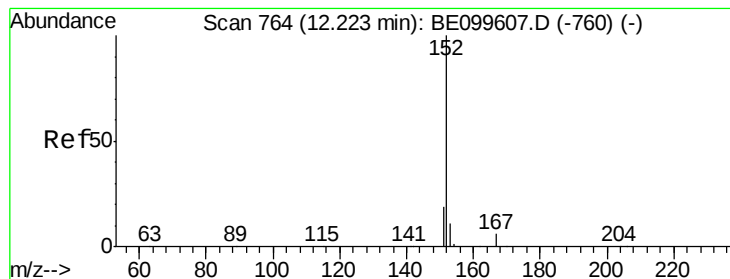


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 5.450 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

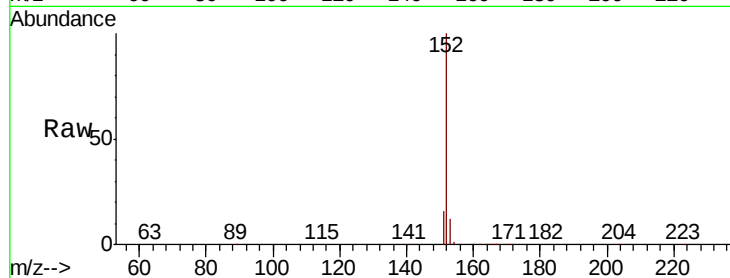
ClientSampleId :

Tot Ion:152 Resp: 54678

Ion Ratio Lower Upper

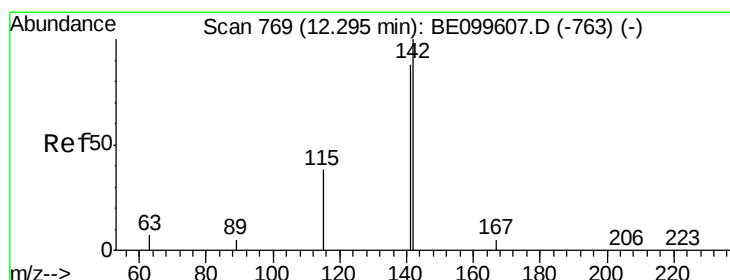
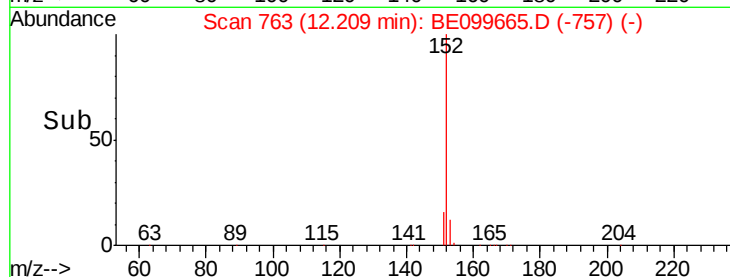
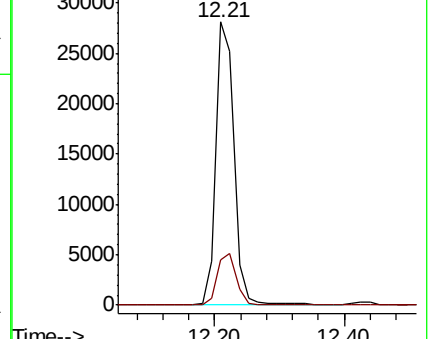
152 100

151 19.0 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 5.396 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

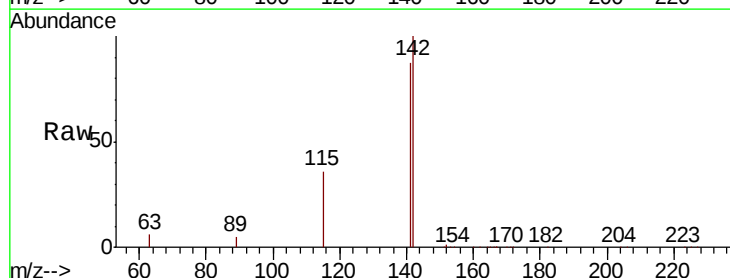
Tgt Ion:142 Resp: 56565

Ion Ratio Lower Upper

142 100

141 87.3 72.0 108.0

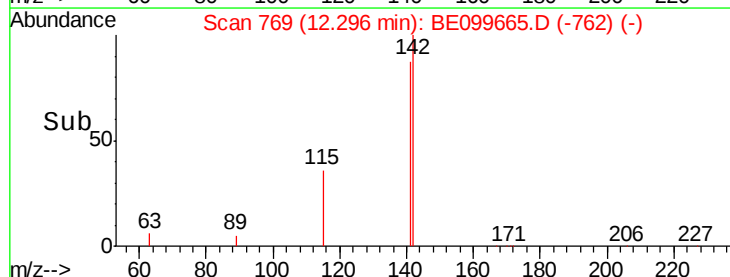
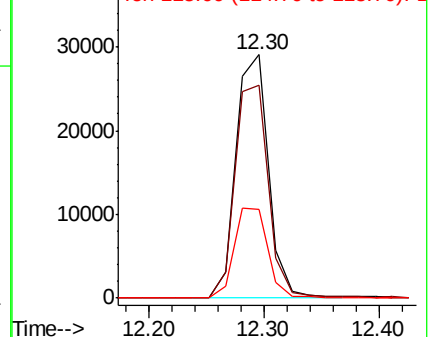
115 36.4 31.0 46.4

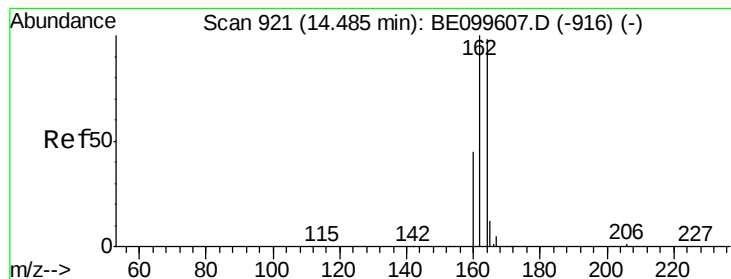


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

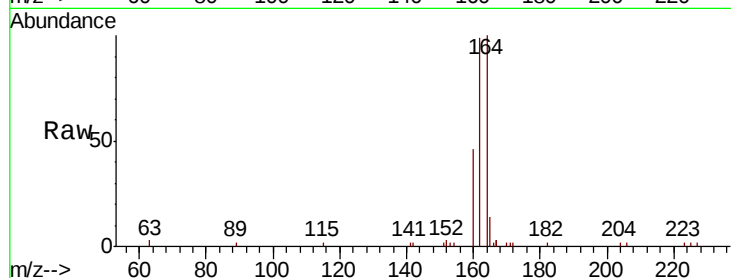
Tot Ion:164 Resp: 4213

Ion Ratio Lower Upper

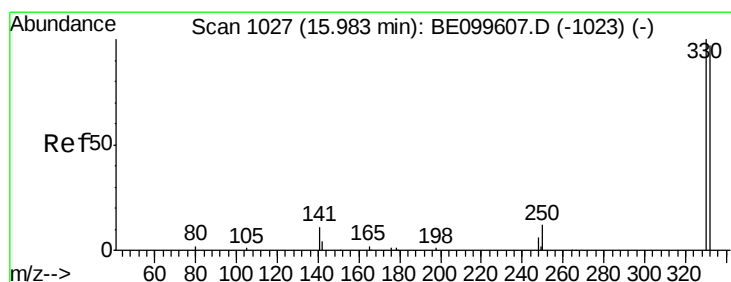
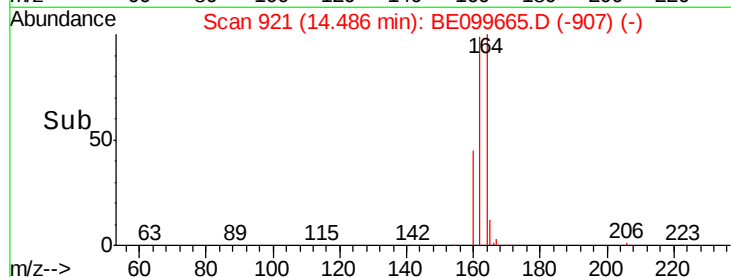
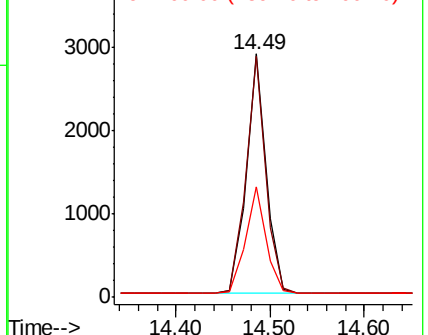
164 100

162 99.0 76.5 114.7

160 45.5 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: 5.763 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

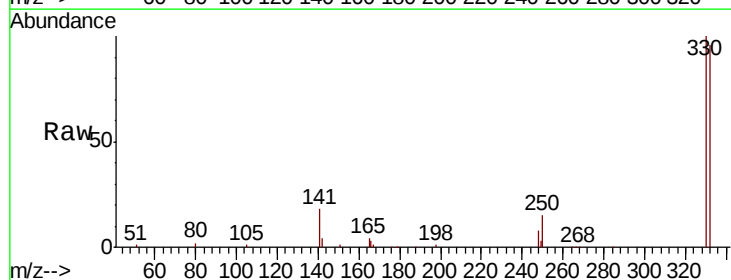
Tgt Ion:330 Resp: 16609

Ion Ratio Lower Upper

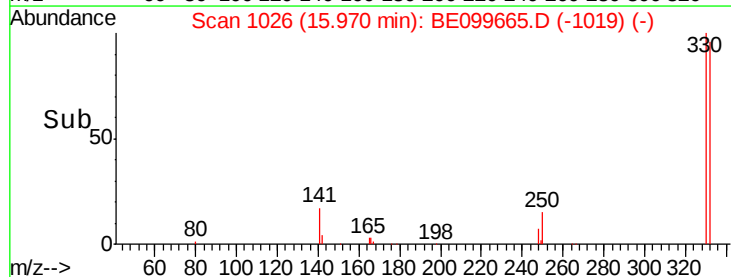
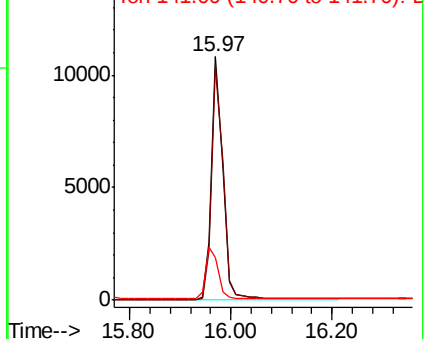
330 100

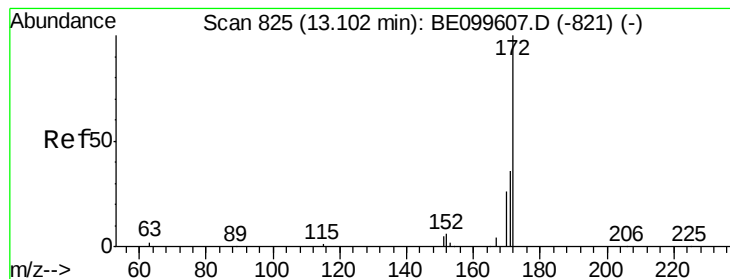
332 97.5 77.3 115.9

141 23.9 18.9 28.3



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

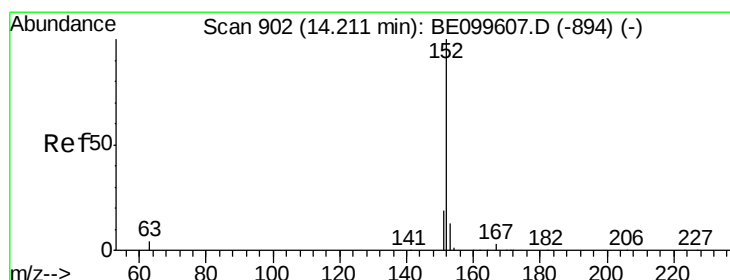
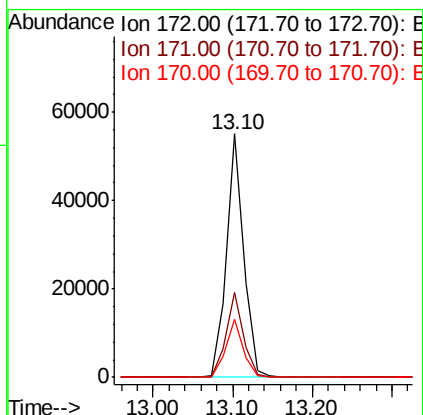
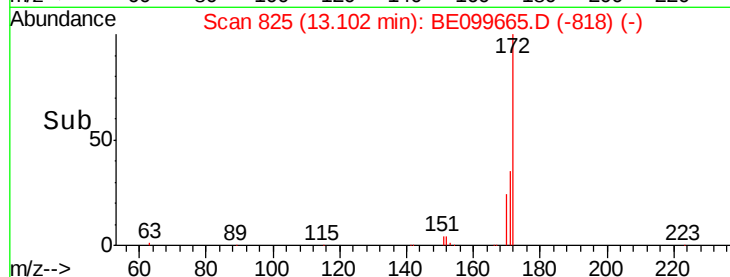
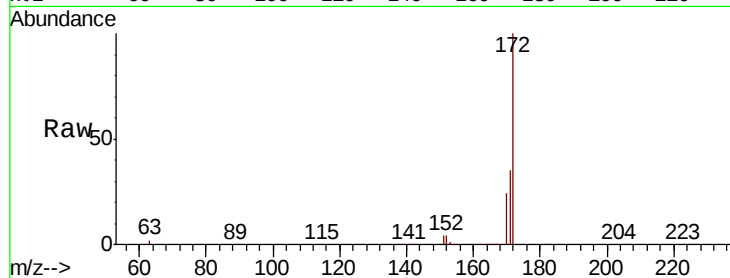




#15
2-Fluorobiphenyl
Concen: 5.105 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099665.D
Acq: 20 May 2019 14:50

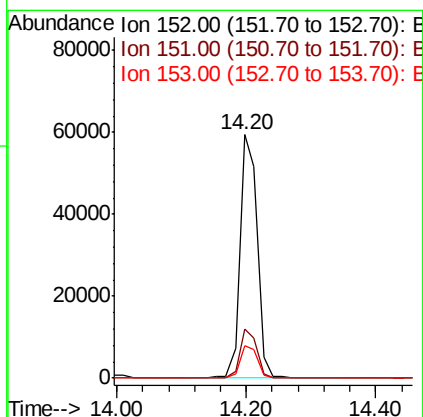
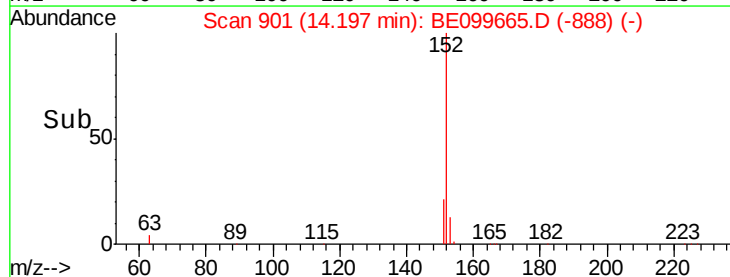
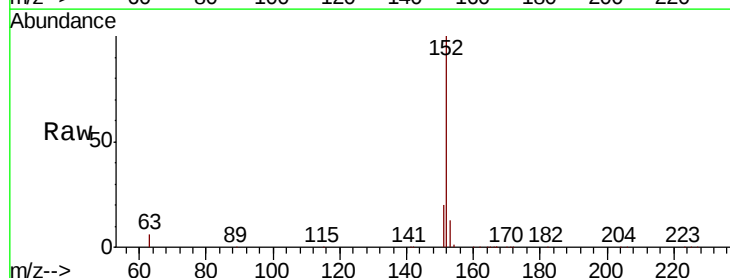
Instrument :
BNA_E
ClientSampleId :

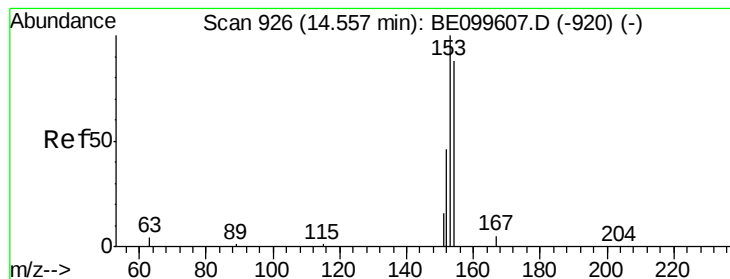
Tot Ion:172 Resp: 82814
Ion Ratio Lower Upper
172 100
171 34.7 28.7 43.1
170 23.6 20.9 31.3



#16
Acenaphthylene
Concen: 5.444 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099665.D
Acq: 20 May 2019 14:50

Tgt Ion:152 Resp: 108303
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.1 10.6 16.0





#17

Acenaphthene

Concen: 5.307 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

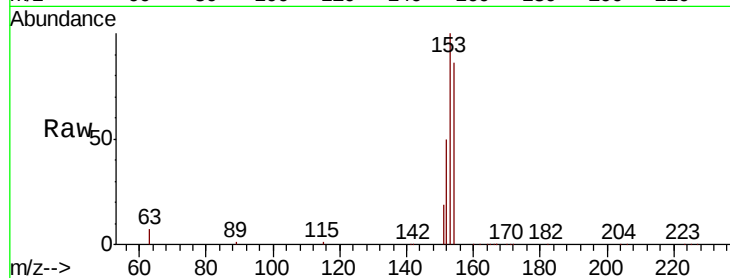
Tot Ion:154 Resp: 59598

Ion Ratio Lower Upper

154 100

153 115.1 92.2 138.4

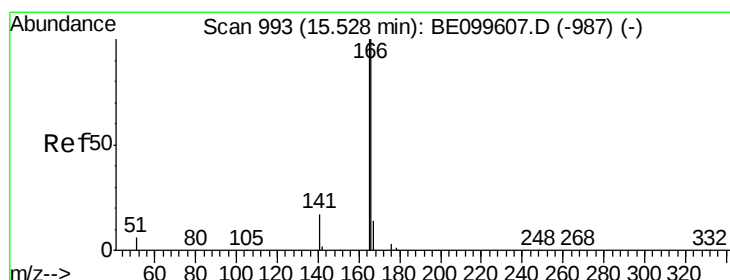
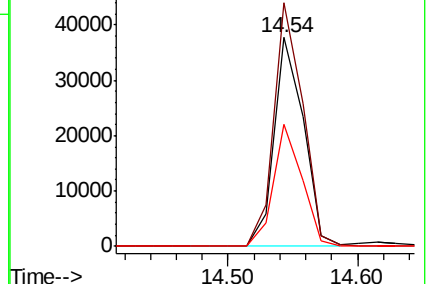
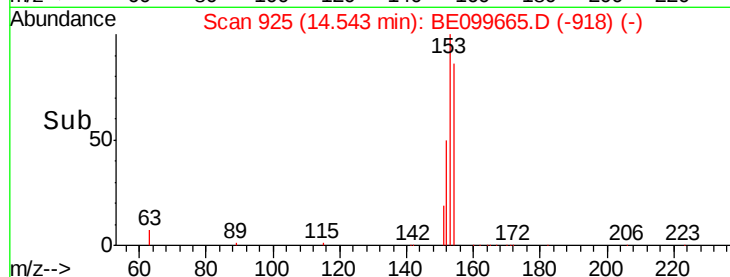
152 56.3 46.2 69.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 5.478 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

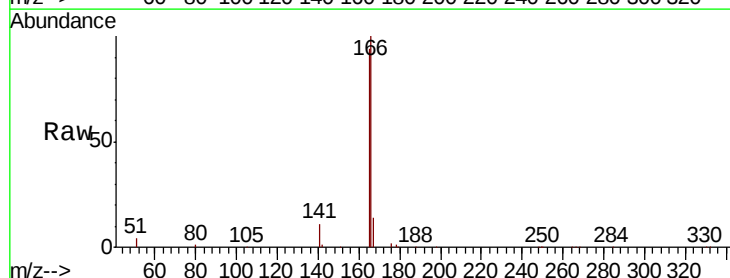
Tgt Ion:166 Resp: 88241

Ion Ratio Lower Upper

166 100

165 98.9 80.3 120.5

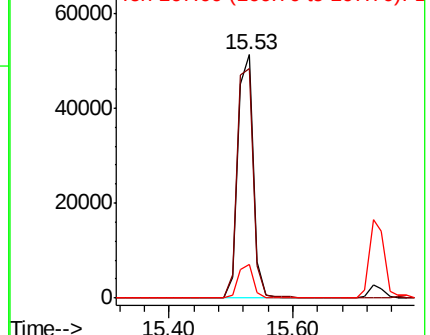
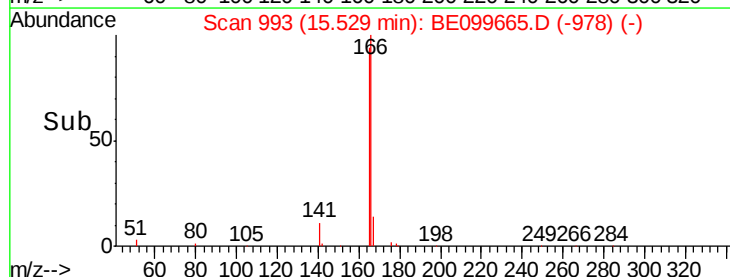
167 13.4 10.6 16.0

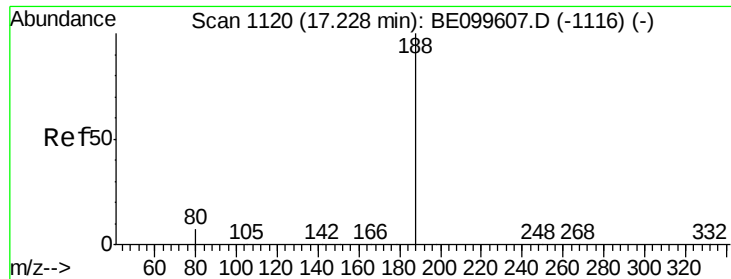


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampled :

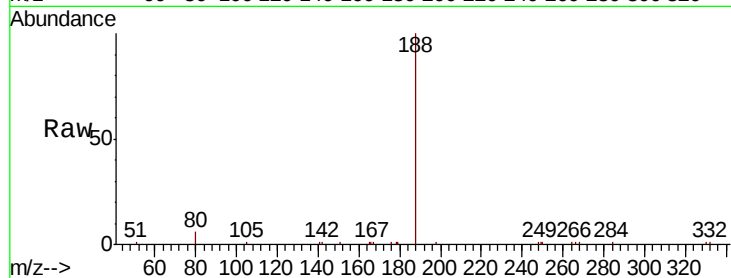
Tot Ion:188 Resp: 12394

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

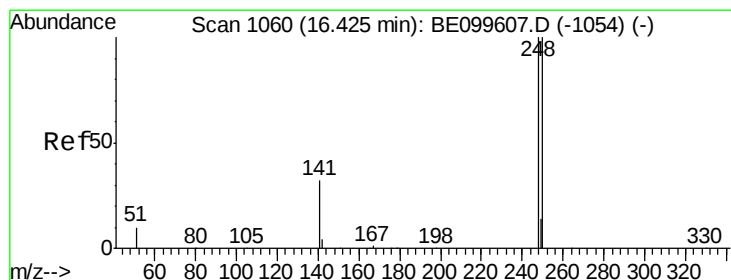
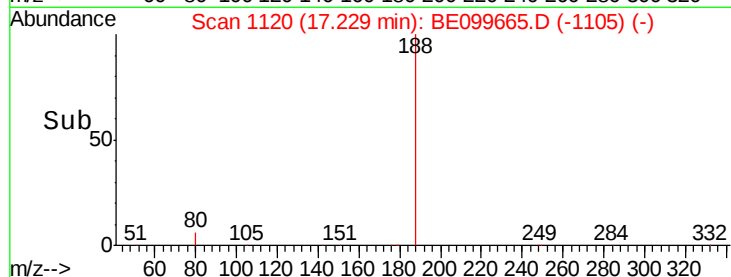
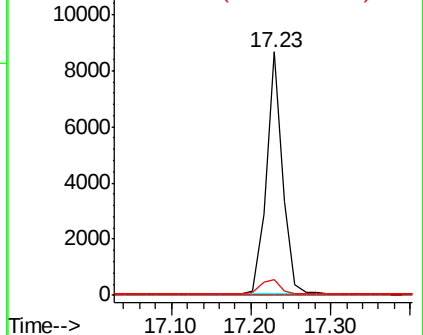
80 6.4 6.7 10.1#



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: 5.626 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

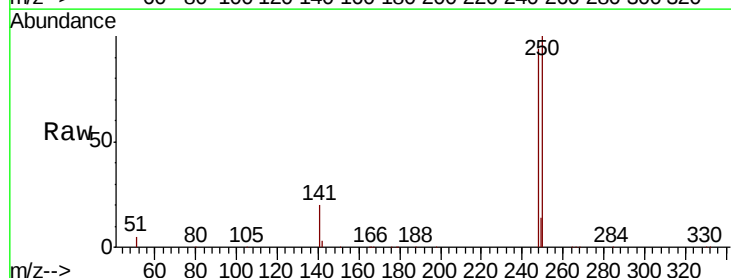
Tgt Ion:248 Resp: 40202

Ion Ratio Lower Upper

248 100

250 105.8 79.8 119.8

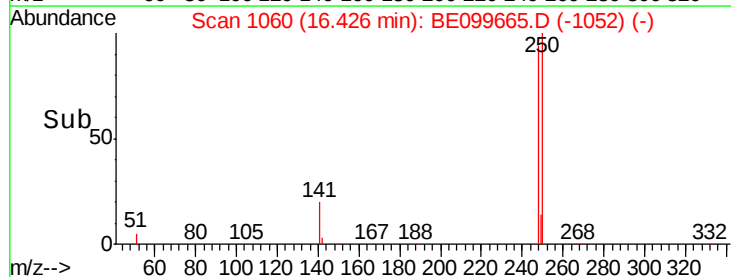
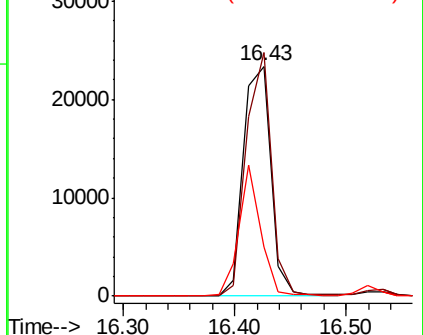
141 21.6 27.0 40.6#

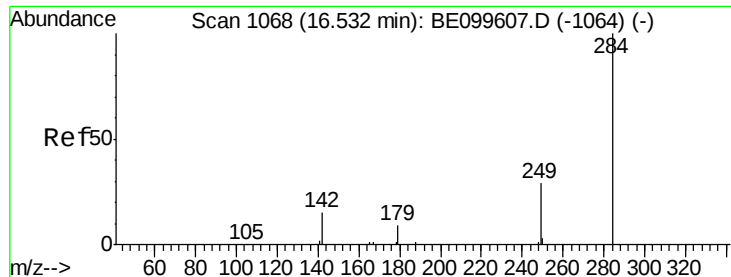


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 5.678 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

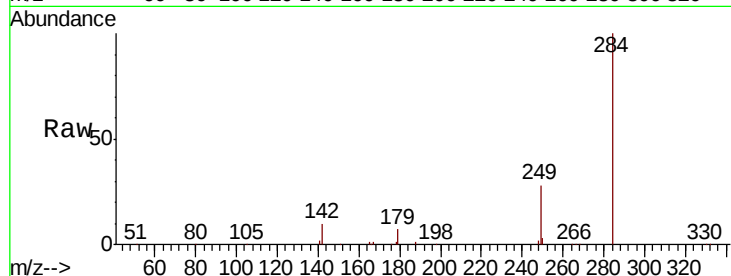
Tot Ion:284 Resp: 39863

Ion Ratio Lower Upper

284 100

142 21.7 17.8 26.6

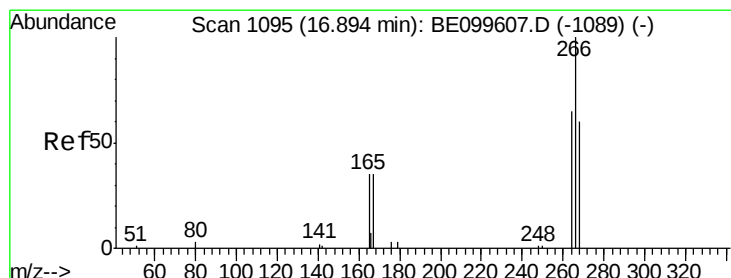
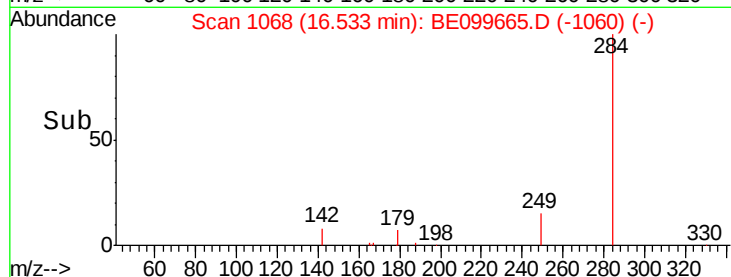
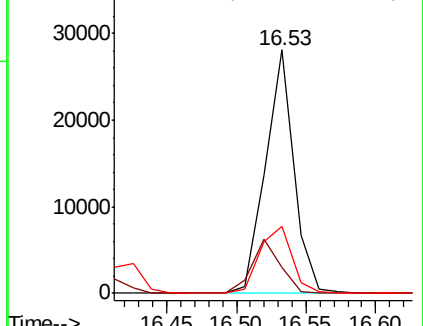
249 30.6 24.8 37.2



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: 6.389 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

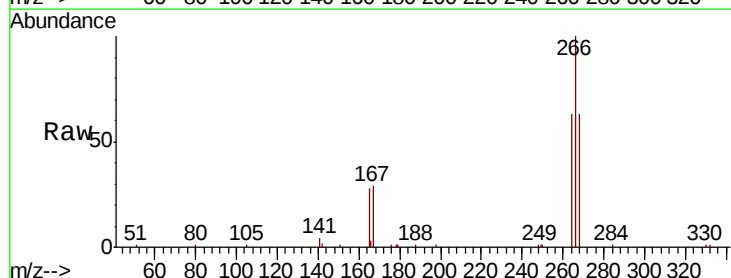
Tgt Ion:266 Resp: 17893

Ion Ratio Lower Upper

266 100

264 63.3 57.2 85.8

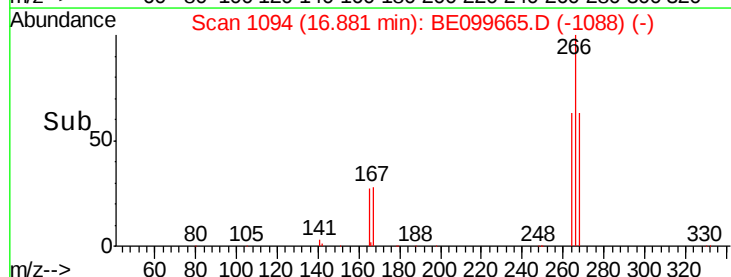
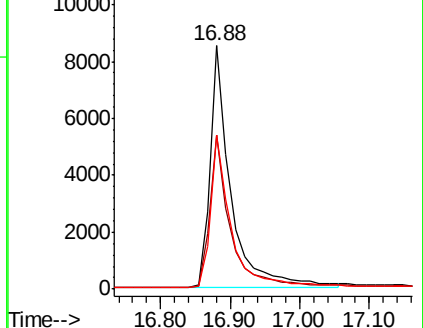
268 63.2 60.5 90.7



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: 5.233 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

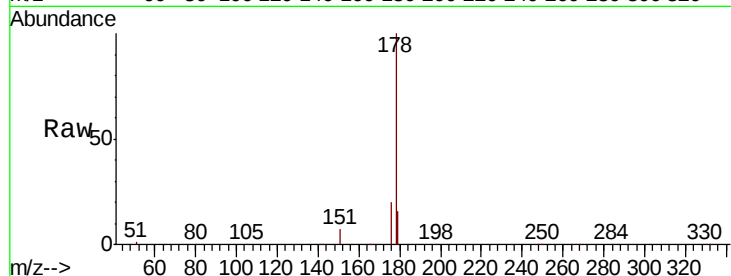
Tot Ion:178 Resp: 161011

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

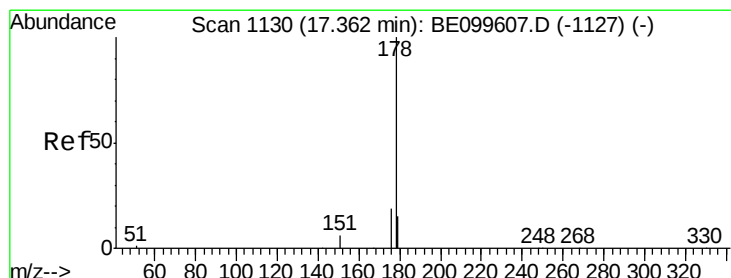
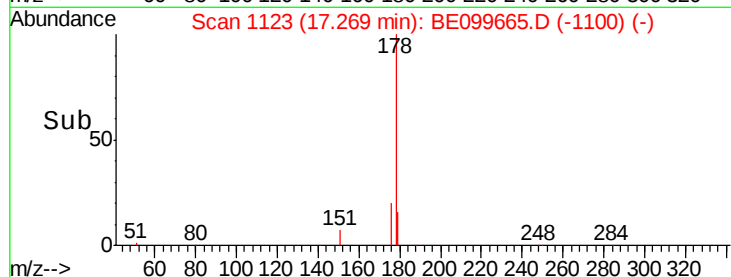
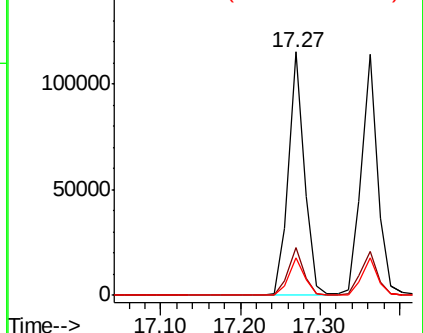
179 15.6 12.2 18.4



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: 5.741 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

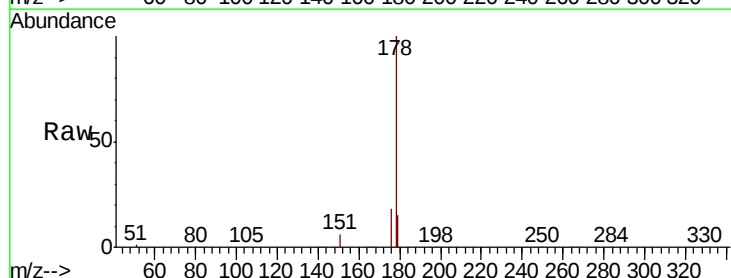
Tgt Ion:178 Resp: 162937

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

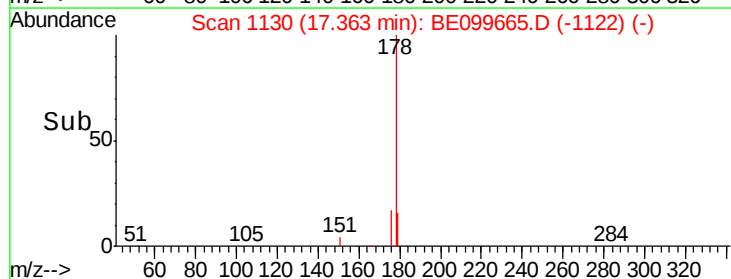
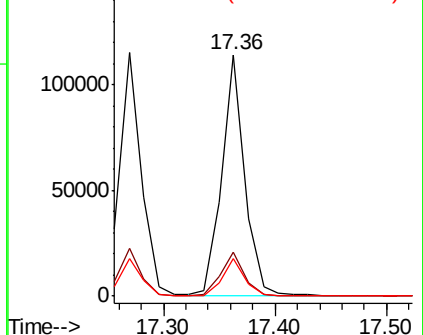
179 15.3 12.0 18.0

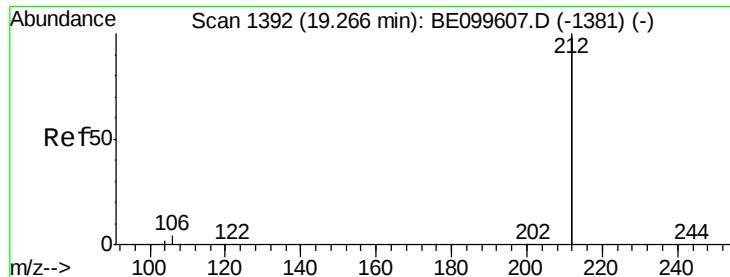


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 5.610 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

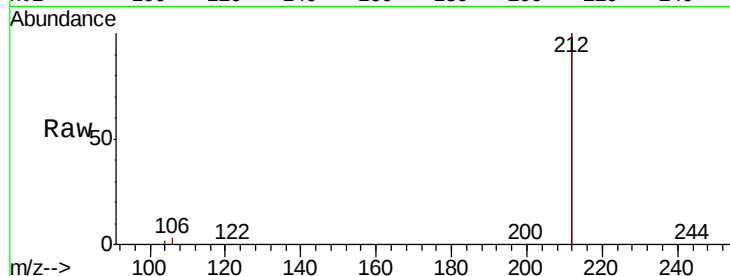
Tot Ion:212 Resp: 924831

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

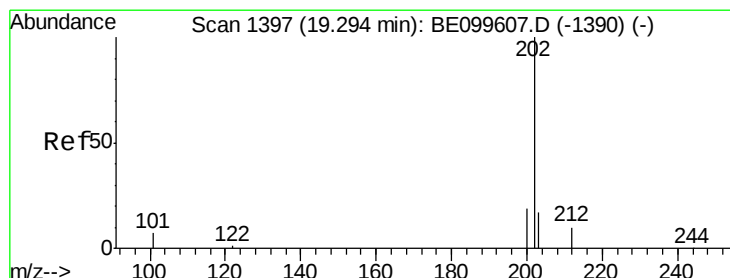
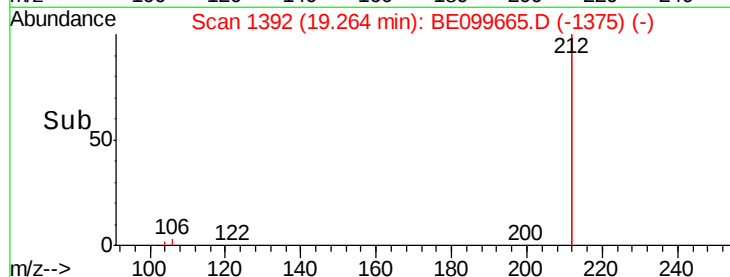
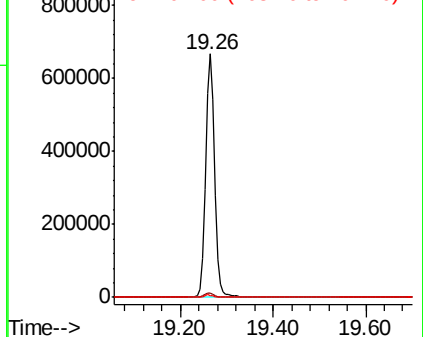
104 1.0 0.8 1.2



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: 5.607 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

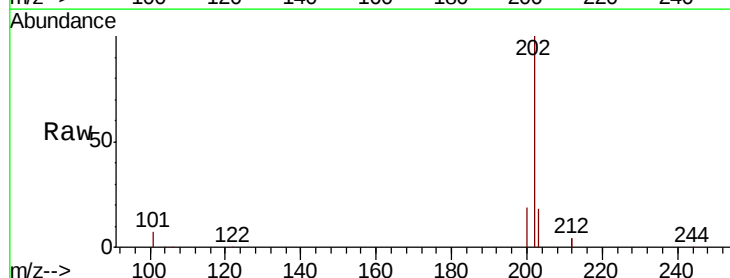
Tgt Ion:202 Resp: 260959

Ion Ratio Lower Upper

202 100

101 6.7 5.2 7.8

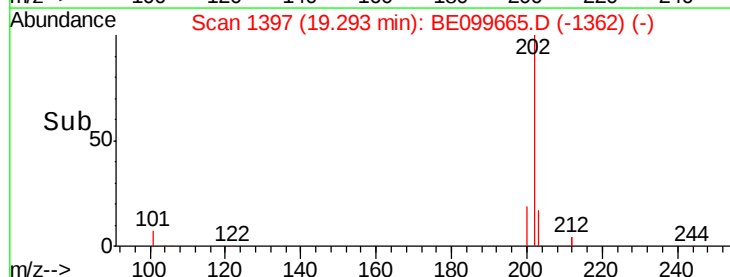
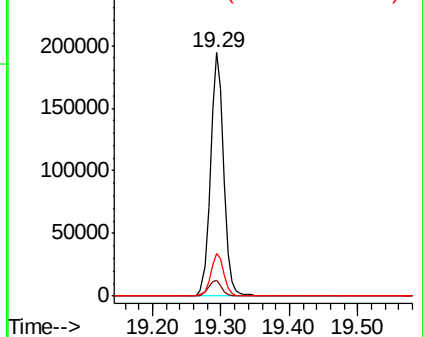
203 17.5 13.8 20.6



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

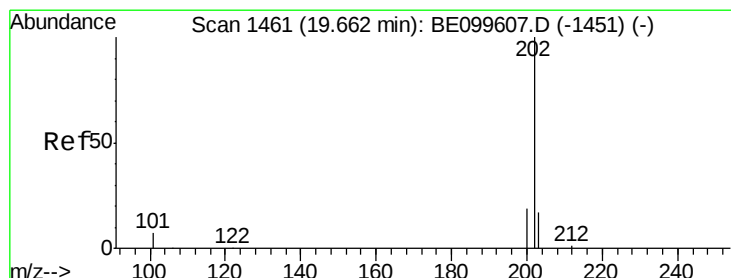
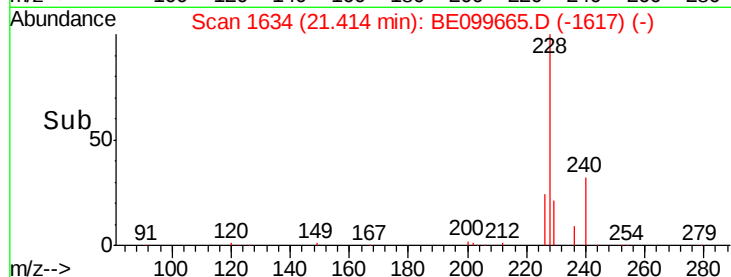
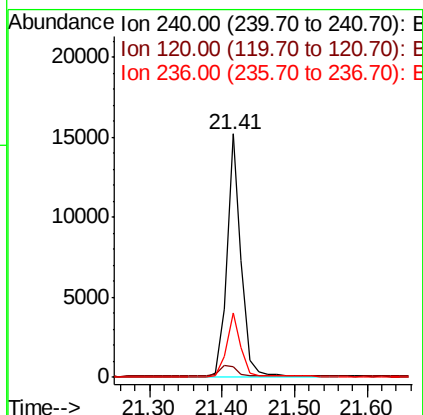
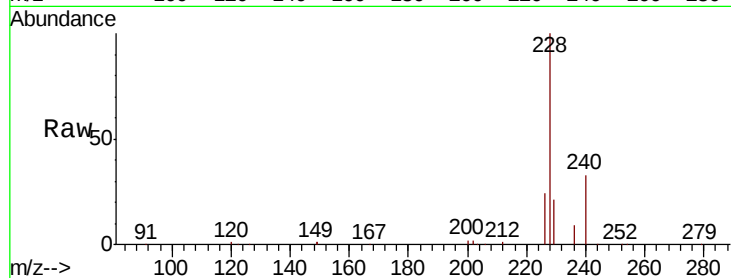




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099665.D
Acq: 20 May 2019 14:50

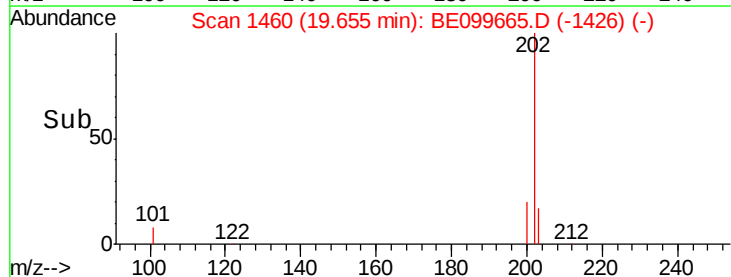
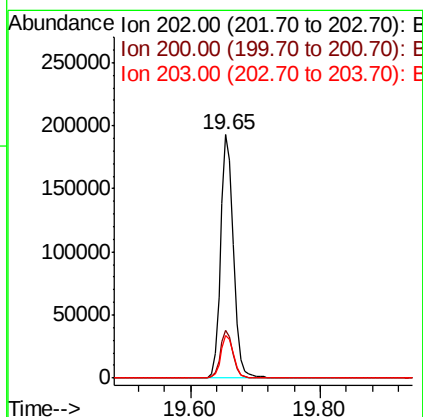
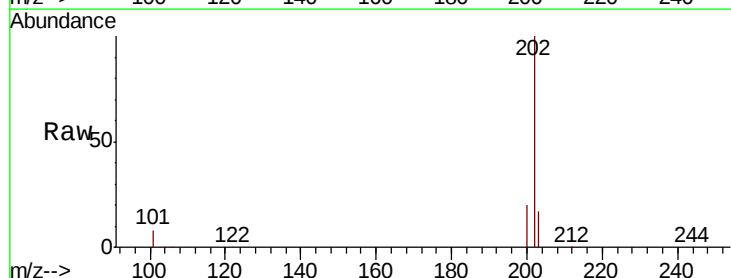
Instrument :
BNA_E
ClientSampleId :

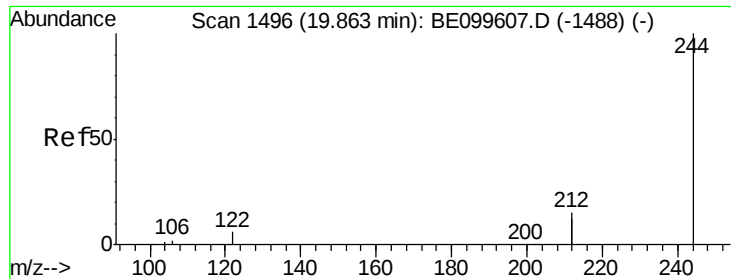
Tot Ion:240 Resp: 20849
Ion Ratio Lower Upper
240 100
120 4.4 5.4 8.0#
236 26.7 21.7 32.5



#28
Pyrene
Concen: 5.025 ng
RT: 19.65 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099665.D
Acq: 20 May 2019 14:50

Tgt Ion:202 Resp: 267052
Ion Ratio Lower Upper
202 100
200 19.4 15.4 23.2
203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 5.234 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampled :

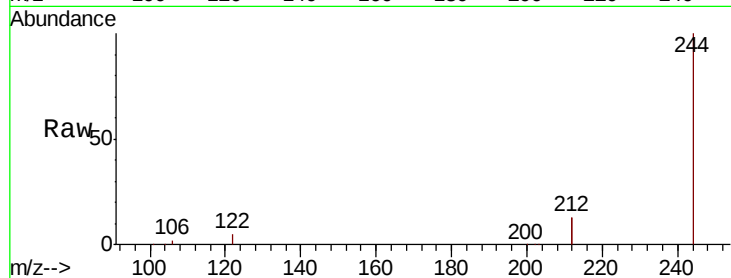
Tot Ion:244 Resp: 196419

Ion Ratio Lower Upper

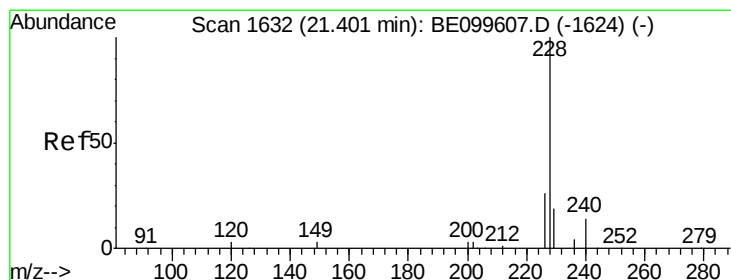
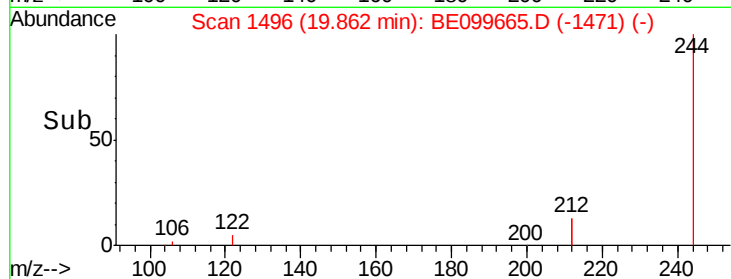
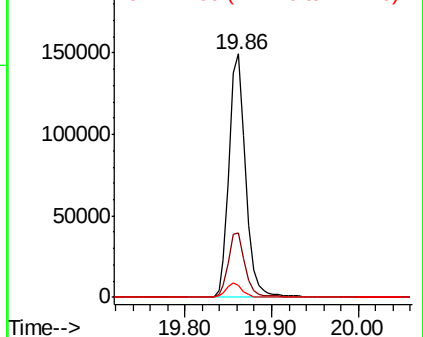
244 100

212 26.2 22.5 33.7

122 4.8 4.3 6.5



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: 5.051 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

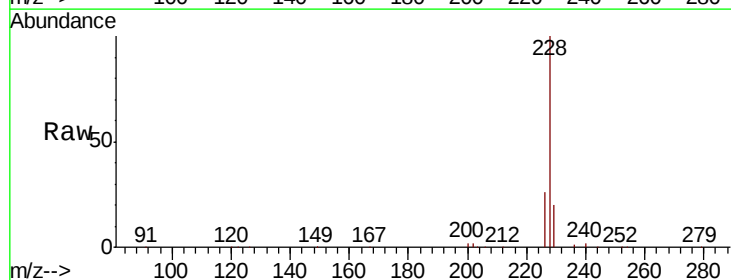
Tgt Ion:228 Resp: 318226

Ion Ratio Lower Upper

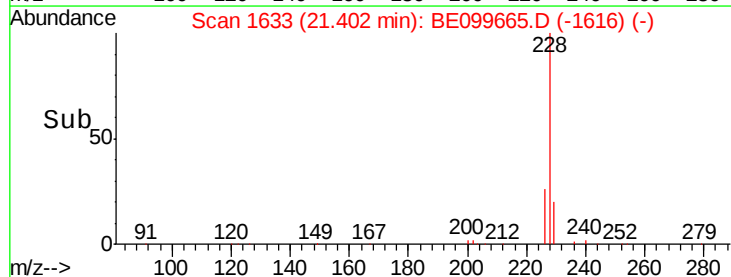
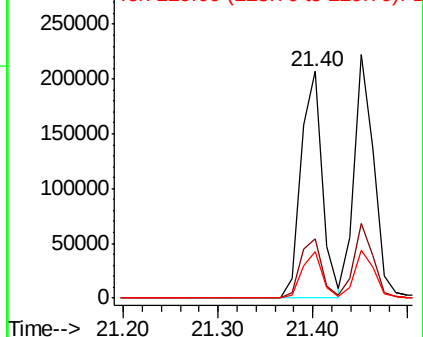
228 100

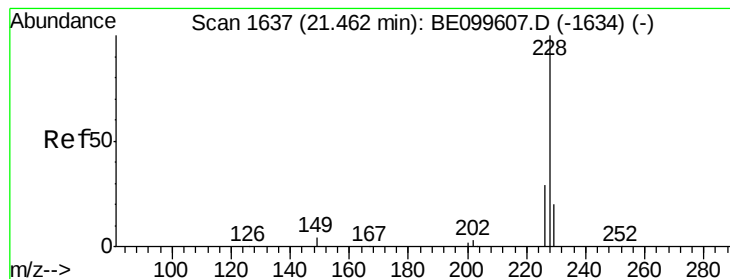
226 26.1 21.3 31.9

229 20.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 4.922 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

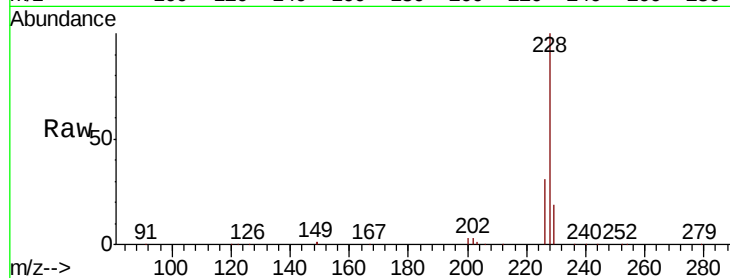
Tot Ion:228 Resp: 319381

Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

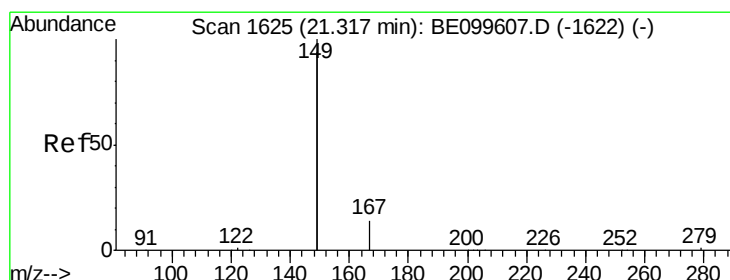
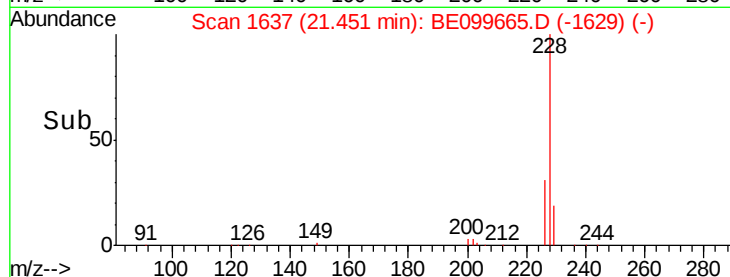
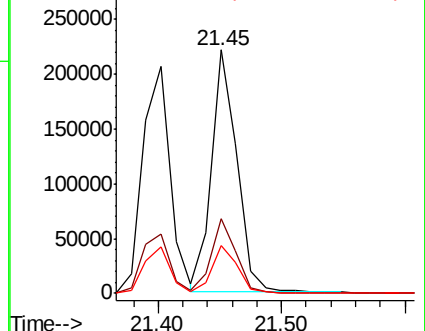
229 19.4 15.8 23.6



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: 3.956 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

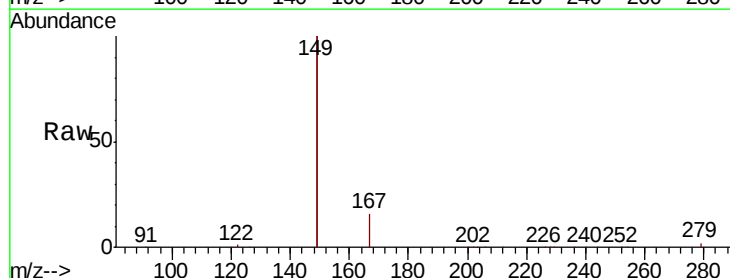
Tgt Ion:149 Resp: 384424

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

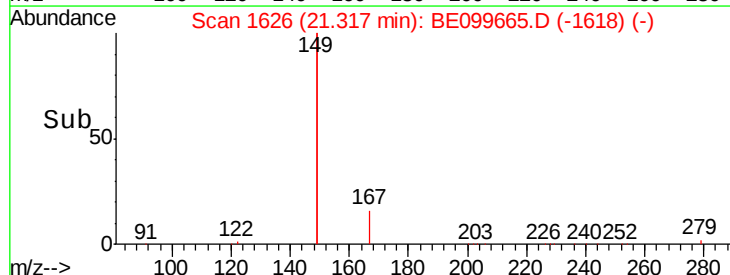
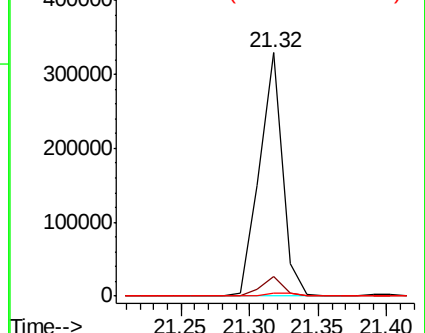
279 1.5 1.2 1.8

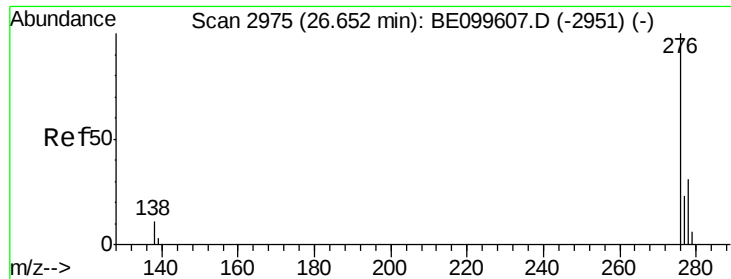


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

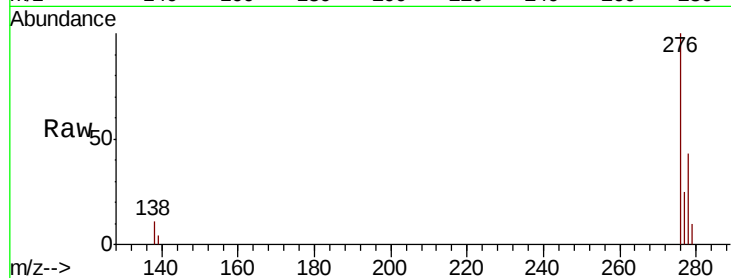




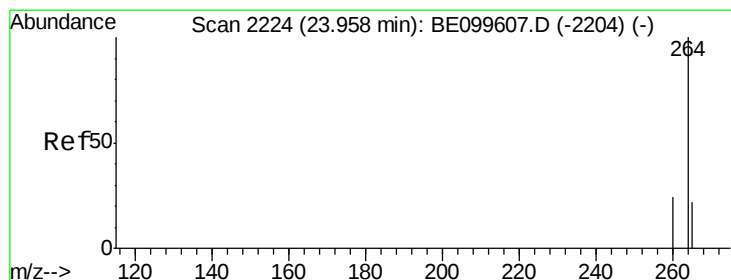
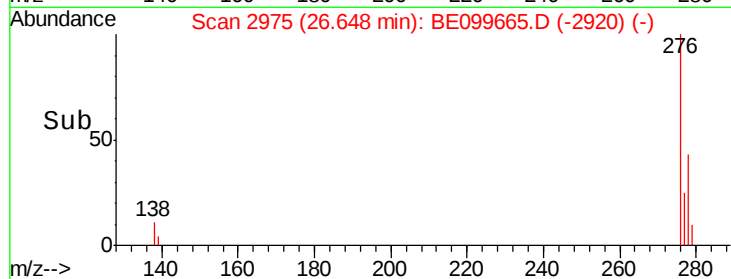
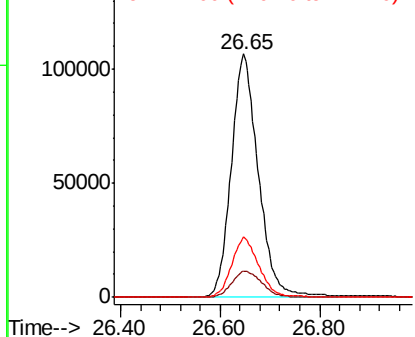
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 4.982 ng
 RT: 26.65 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BE099665.D
 Acq: 20 May 2019 14:50

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.1	9.6	14.4
277	24.9	19.2	28.8

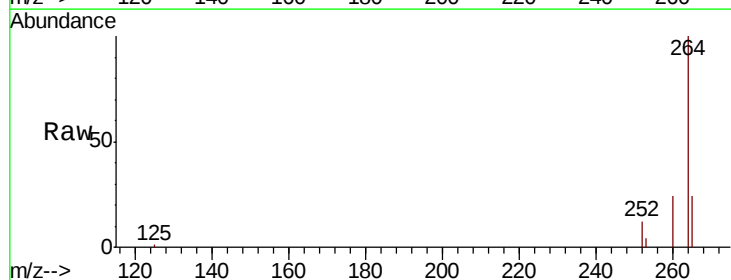


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

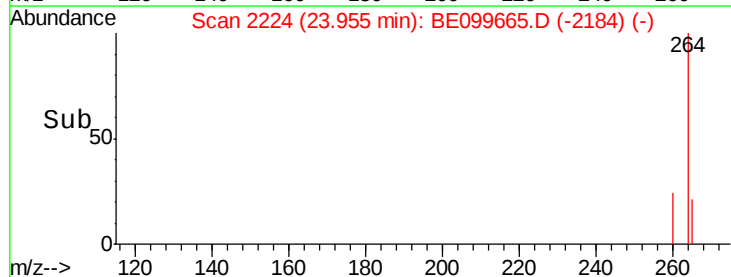
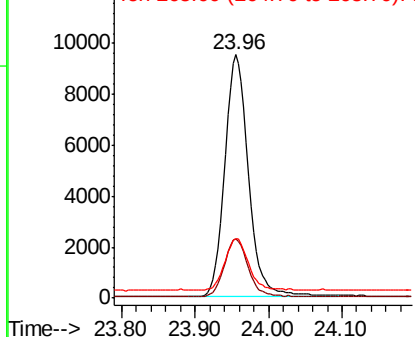


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BE099665.D
 Acq: 20 May 2019 14:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	24.1	19.1	28.7



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

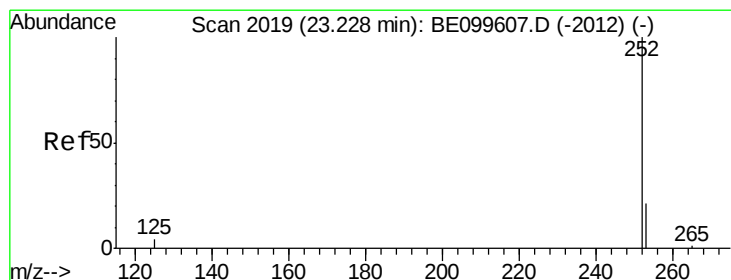
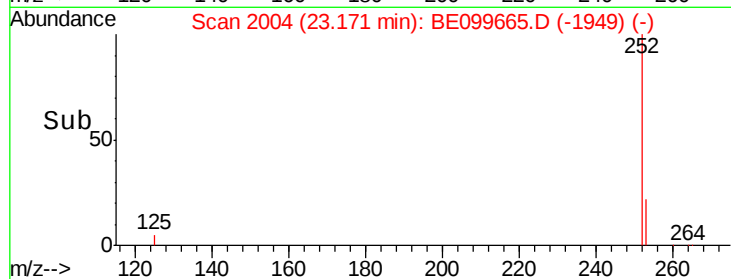
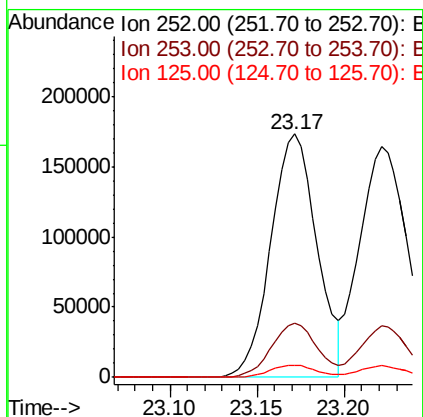
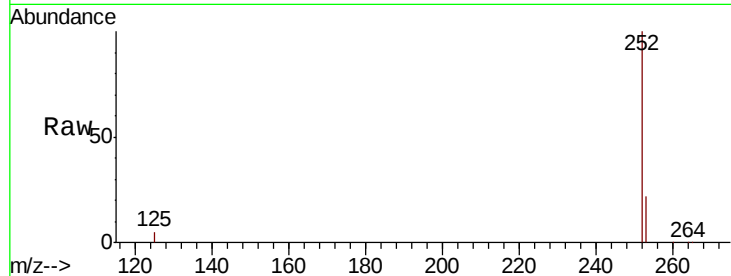




#35
Benzo(b)fluoranthene
Concen: 5.237 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099665.D
Acq: 20 May 2019 14:50

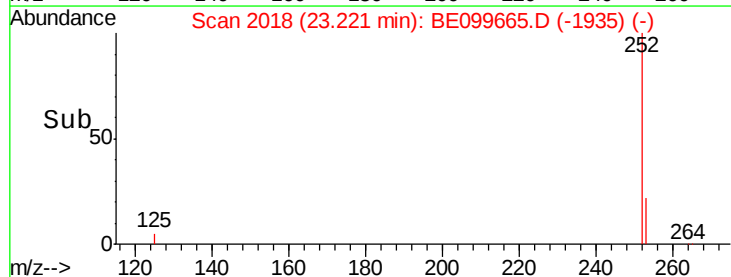
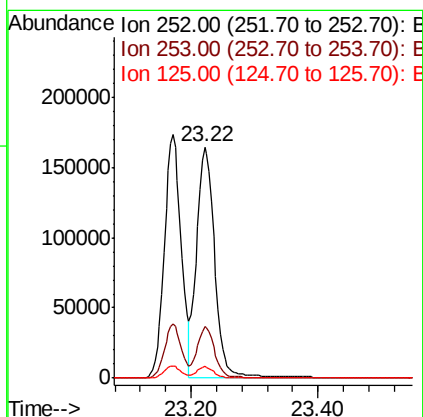
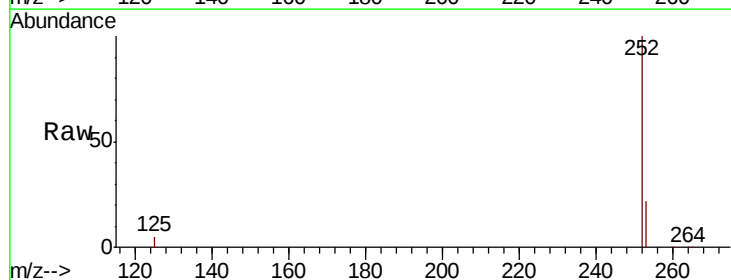
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 318140
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 5.0 4.5 6.7



#36
Benzo(k)fluoranthene
Concen: 5.446 ng
RT: 23.22 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BE099665.D
Acq: 20 May 2019 14:50

Tgt Ion:252 Resp: 326779
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 4.9 4.6 6.8





#37

Benzo(a)pyrene

Concen: 5.225 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

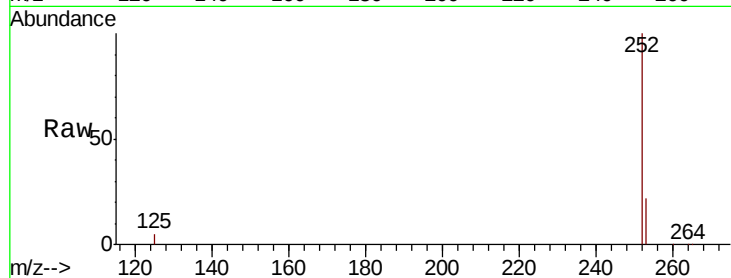
Tot Ion:252 Resp: 307464

Ion Ratio Lower Upper

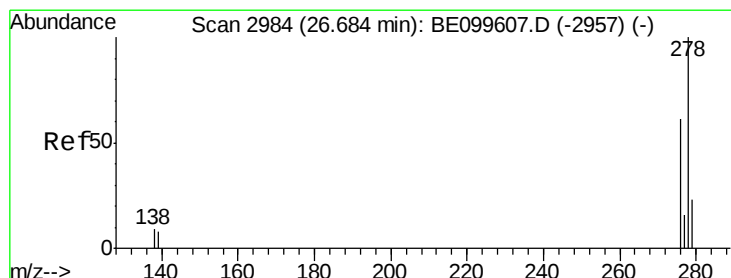
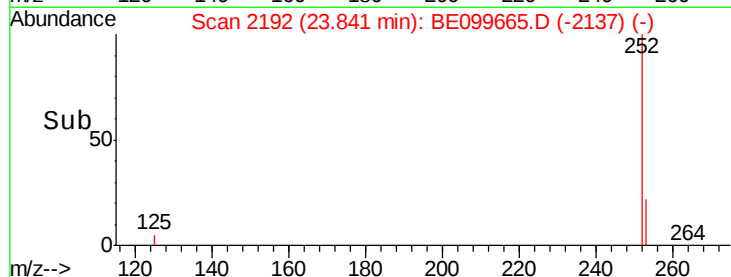
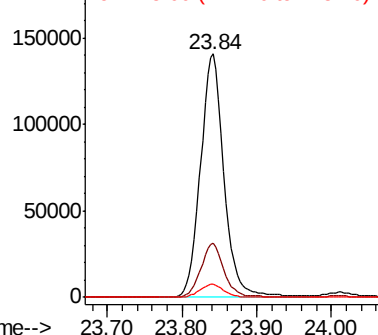
252 100

253 22.1 18.9 28.3

125 5.5 5.4 8.0



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



#38

Dibenzo(a,h)anthracene

Concen: 5.476 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

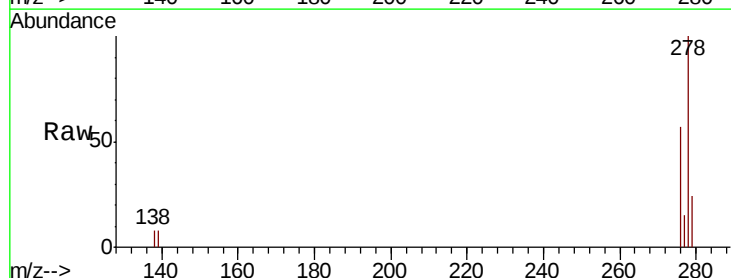
Tgt Ion:278 Resp: 334169

Ion Ratio Lower Upper

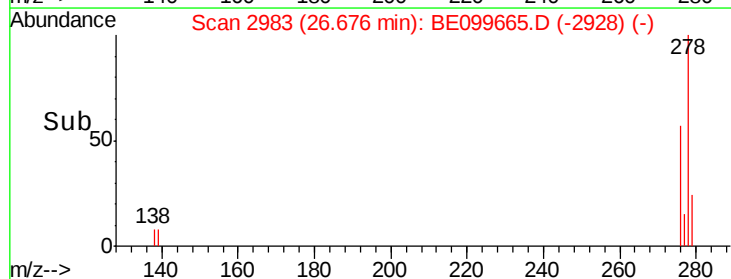
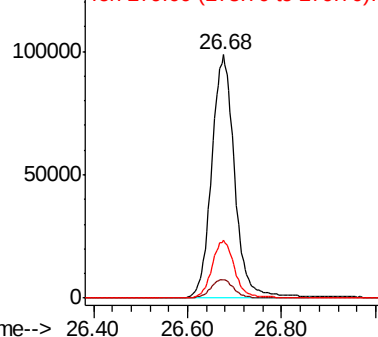
278 100

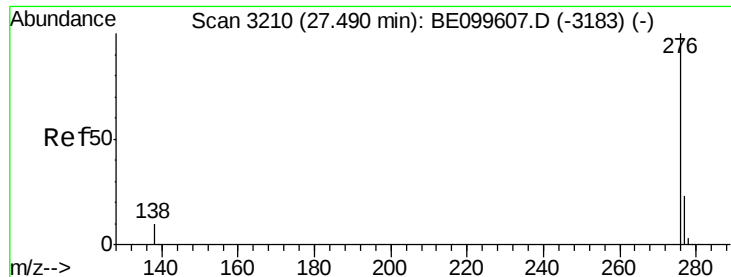
139 7.6 6.9 10.3

279 23.7 19.2 28.8



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: 5.360 ng

RT: 27.48 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BE099665.D

Acq: 20 May 2019 14:50

Instrument :

BNA_E

ClientSampleId :

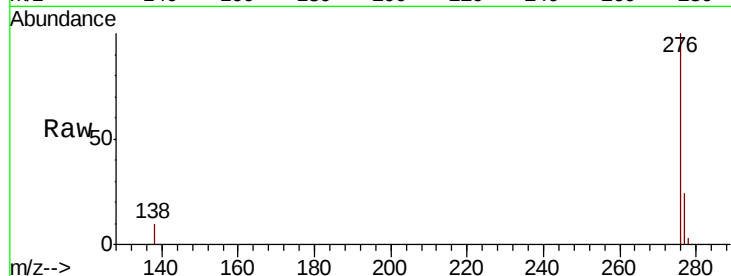
Tot Ion: 276 Resp: 328938

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 10.2 9.2 13.8



Abundance Ion 276.00 (275.70 to 276.70): E

120000 Ion 277.00 (276.70 to 277.70): E

100000 Ion 138.00 (137.70 to 138.70): E

