

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099662.D
 Acq On : 20 May 2019 13:02
 Operator : JU/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 20 15:45:24 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	1748	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	6211	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4518	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	13509	0.40	ng	0.00
27) Chrysene-d12	21.41	240	20976	0.40	ng	0.00
34) Perylene-d12	23.96	264	22451	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	3640	0.73	ng	0.00
5) Phenol-d6	6.97	99	4818	0.77	ng	0.00
8) Nitrobenzene-d5	8.98	82	4704	0.78	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9095	0.87	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	2301	0.74	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	14331	0.82	ng	0.00
25) Fluoranthene-d10	19.26	212	153609	0.85	ng	0.00
29) Terphenyl-d14	19.86	244	31708	0.84	ng	0.00

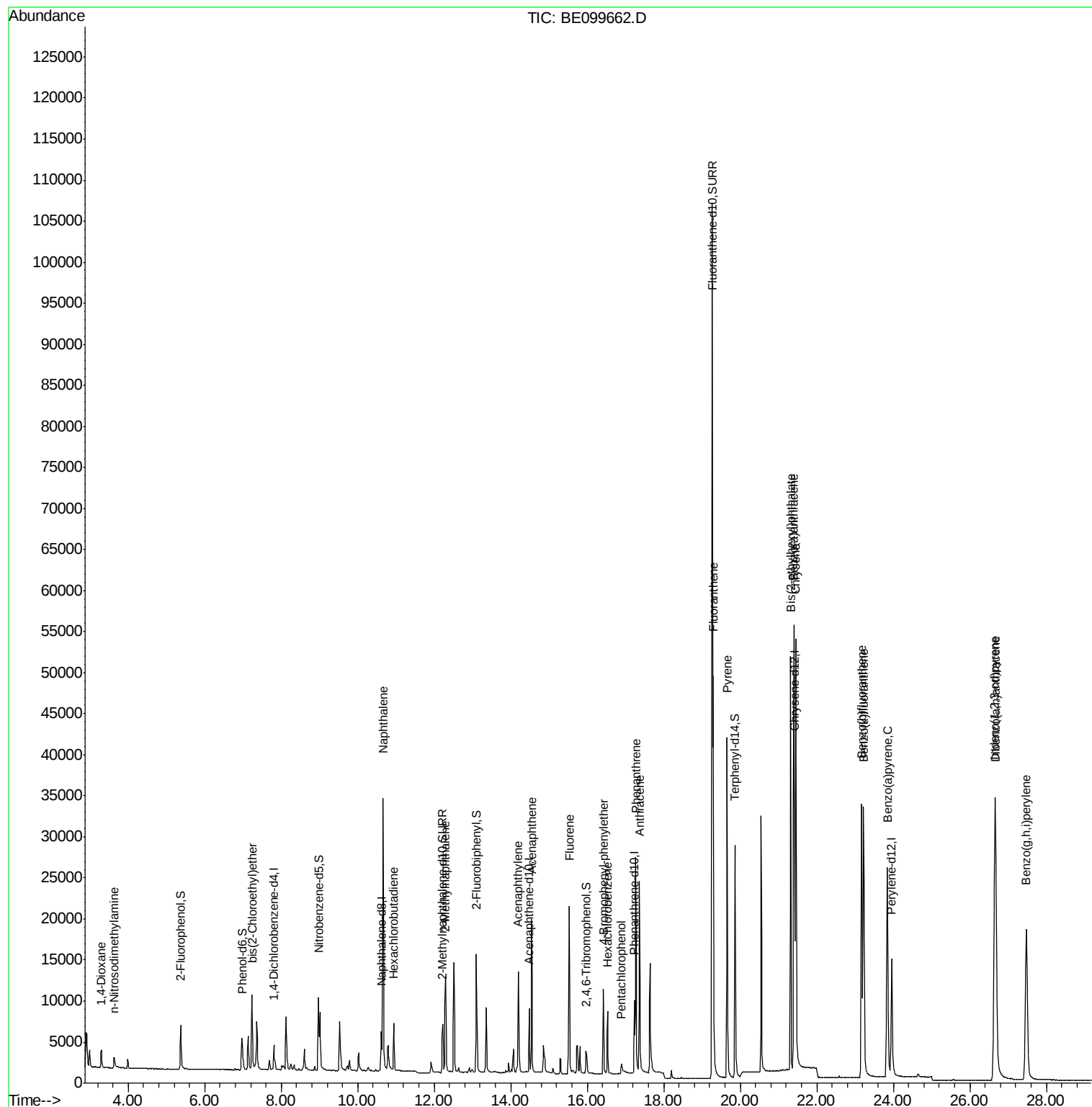
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	2012	0.780	ng	95
3) n-Nitrosodimethylamine	3.62	42	1080	0.657	ng	# 85
6) bis(2-Chloroethyl)ether	7.24	93	4215	0.797	ng	98
9) Naphthalene	10.67	128	55312	0.837	ng	99
10) Hexachlorobutadiene	10.94	225	4166	0.862	ng	96
12) 2-Methylnaphthalene	12.30	142	9293	0.851	ng	99
16) Acenaphthylene	14.20	152	17669	0.828	ng	99
17) Acenaphthene	14.54	154	9907	0.823	ng	99
18) Fluorene	15.53	166	14754	0.854	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	6631	0.851	ng	95
21) Hexachlorobenzene	16.53	284	6832	0.893	ng	99
22) Pentachlorophenol	16.89	266	1532	0.502	ng	94
23) Phenanthrene	17.27	178	28338	0.845	ng	100
24) Anthracene	17.36	178	25736	0.832	ng	100
26) Fluoranthene	19.29	202	44094	0.869	ng	100
28) Pyrene	19.66	202	44591	0.834	ng	100
30) Benzo(a)anthracene	21.40	228	49532	0.781	ng	99
31) Chrysene	21.45	228	53685	0.822	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	53041	0.543	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	63580	0.782	ng	99
35) Benzo(b)fluoranthene	23.17	252	52007	0.829	ng	99
36) Benzo(k)fluoranthene	23.22	252	53457	0.862	ng	100
37) Benzo(a)pyrene	23.84	252	49655	0.817	ng	98
38) Dibenzo(a,h)anthracene	26.68	278	52175	0.827	ng	99
39) Benzo(g,h,i)perylene	27.48	276	52430	0.827	ng	99

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

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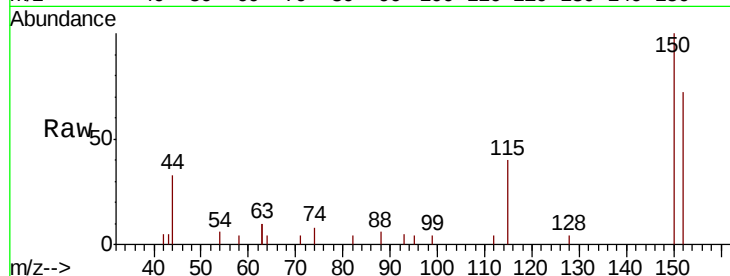


#1

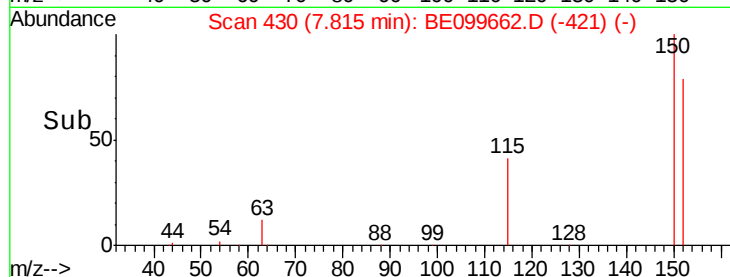
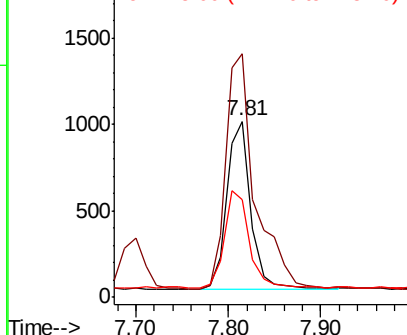
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1748
Ion Ratio Lower Upper
152 100
150 138.1 109.2 163.8
115 55.6 43.7 65.5



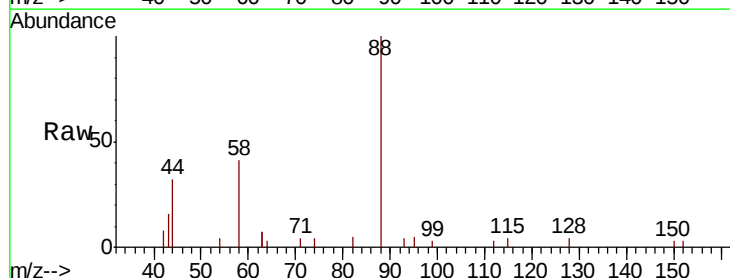
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



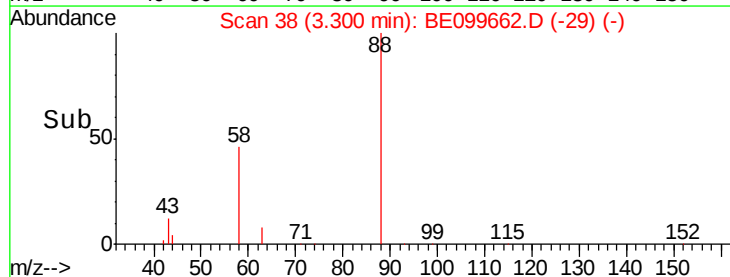
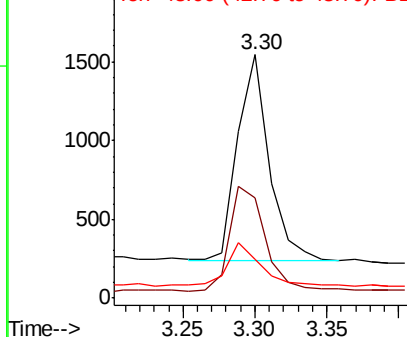
#2

1,4-Dioxane
Concen: 0.780 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

Tgt Ion: 88 Resp: 2012
Ion Ratio Lower Upper
88 100
58 56.2 41.8 62.8
43 21.1 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: 0.657 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

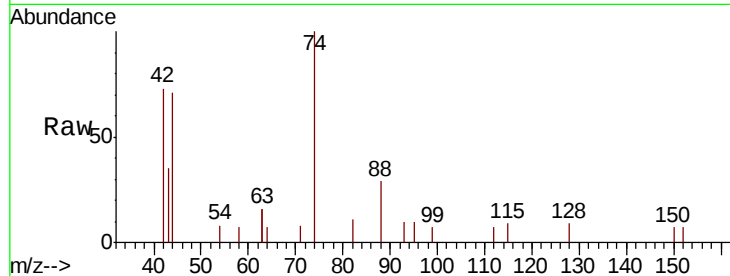
Tot Ion: 42 Resp: 1080

Ion Ratio Lower Upper

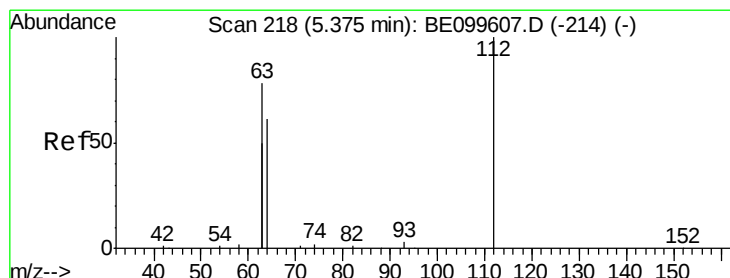
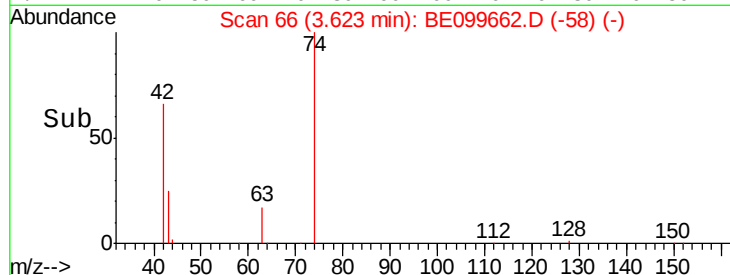
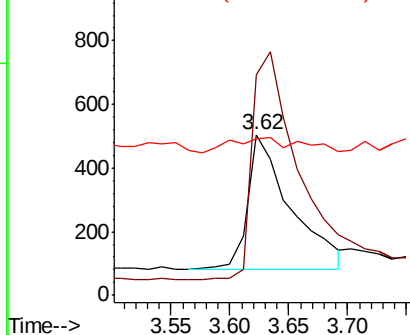
42 100

74 180.5 128.4 192.6

44 11.9 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.734 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

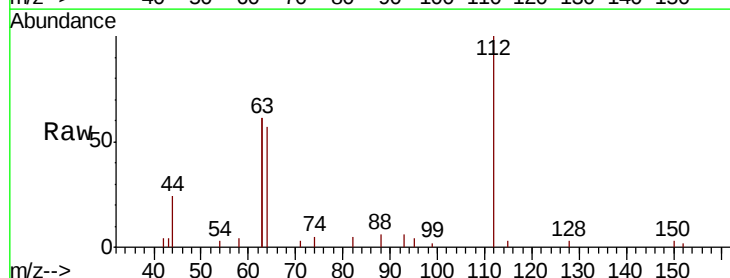
Tgt Ion: 112 Resp: 3640

Ion Ratio Lower Upper

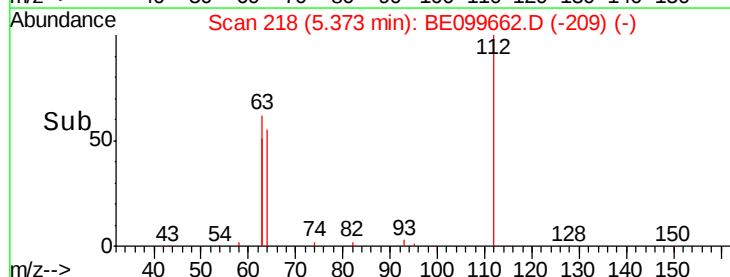
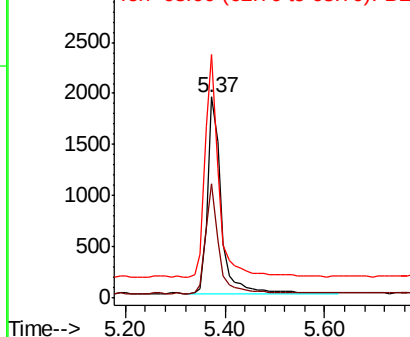
112 100

64 53.7 43.4 65.2

63 110.9 96.9 145.3



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: 0.766 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampled :

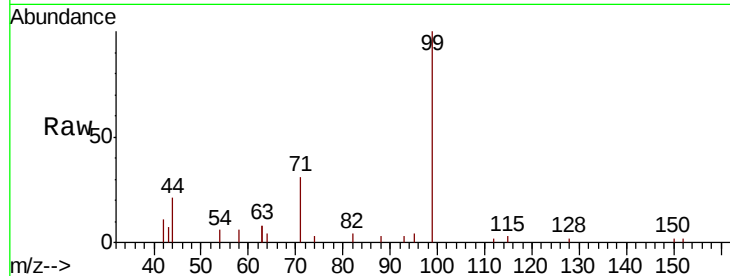
Tot Ion: 99 Resp: 4818

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

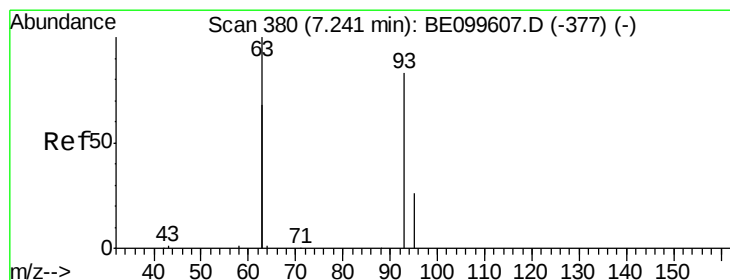
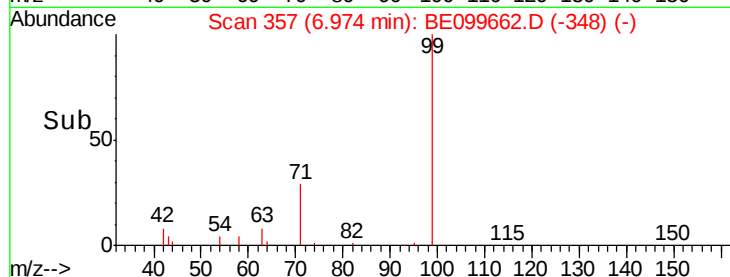
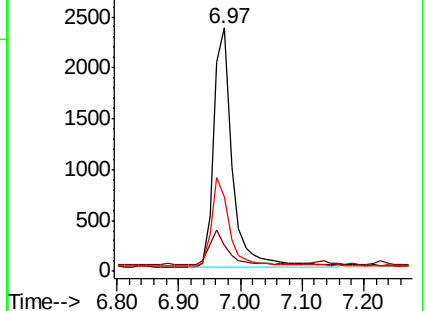
71 35.2 28.9 43.3



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: 0.797 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

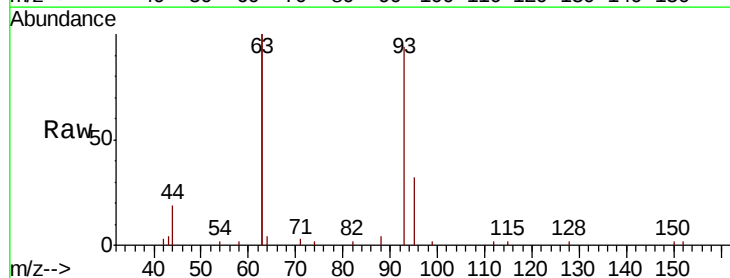
Tgt Ion: 93 Resp: 4215

Ion Ratio Lower Upper

93 100

63 264.5 207.8 311.6

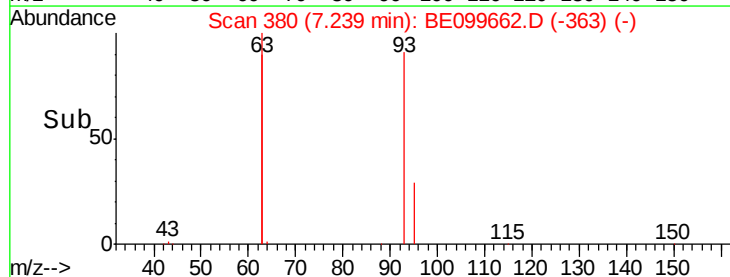
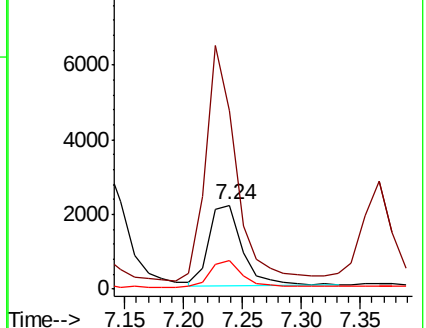
95 31.9 25.9 38.9



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: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6211

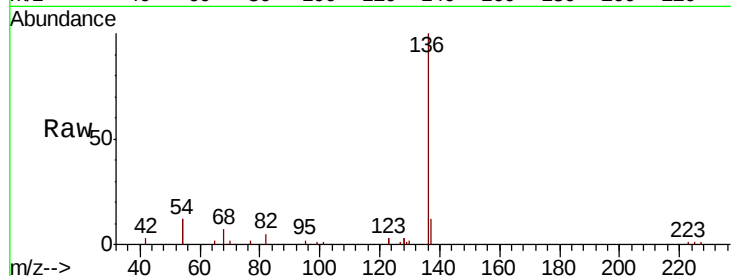
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 23.6 22.3 33.5

68 7.1 6.0 9.0

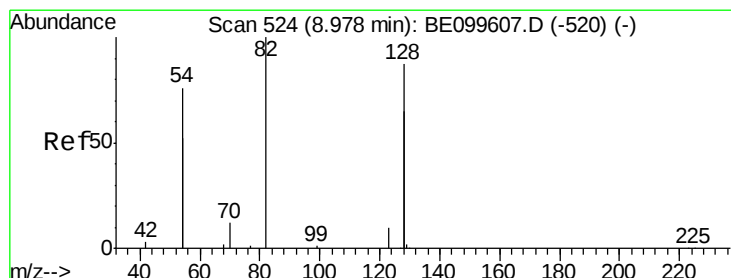
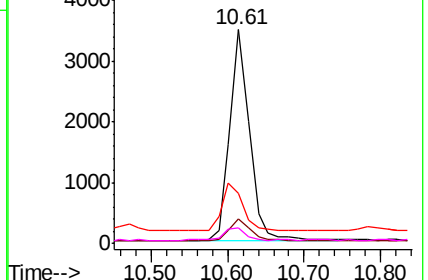
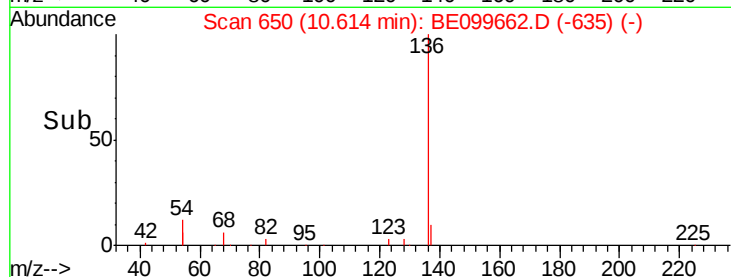


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.782 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

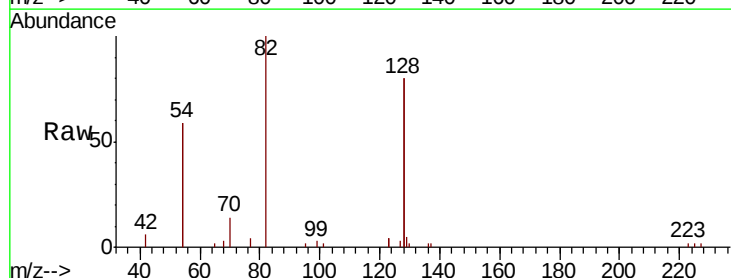
Tgt Ion: 82 Resp: 4704

Ion Ratio Lower Upper

82 100

128 160.0 117.7 176.5

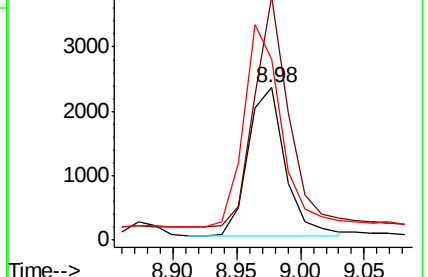
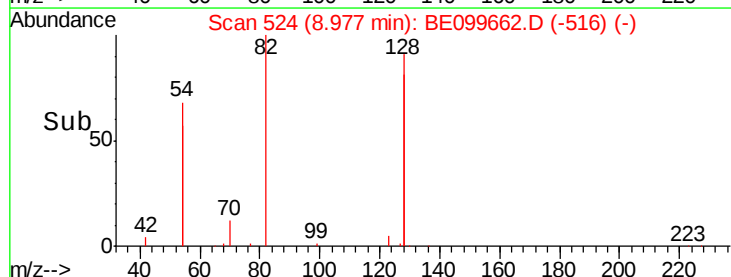
54 118.7 106.6 160.0



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: 0.837 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

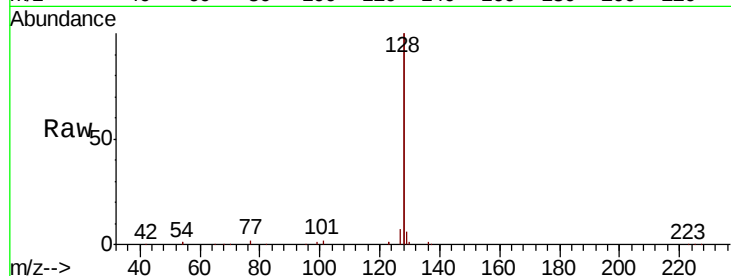
Tot Ion:128 Resp: 55312

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

127 3.3 2.9 4.3

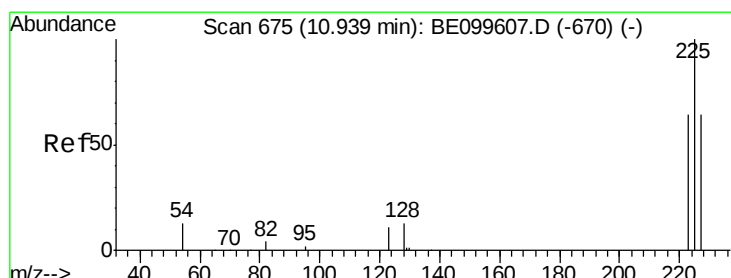
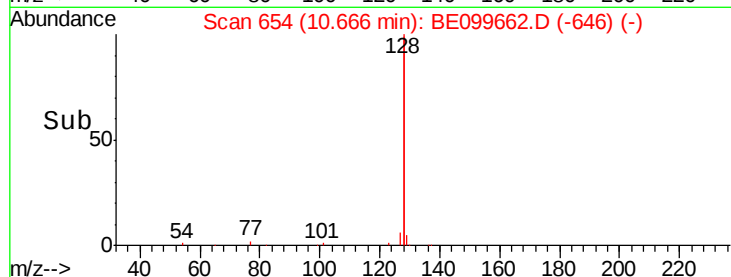
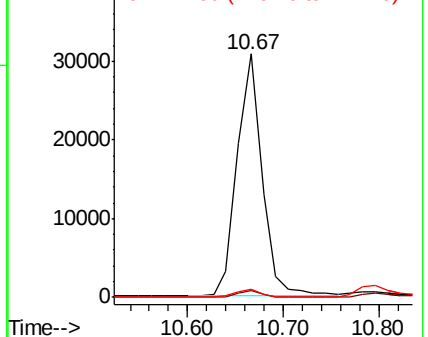


Abundance

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: 0.862 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

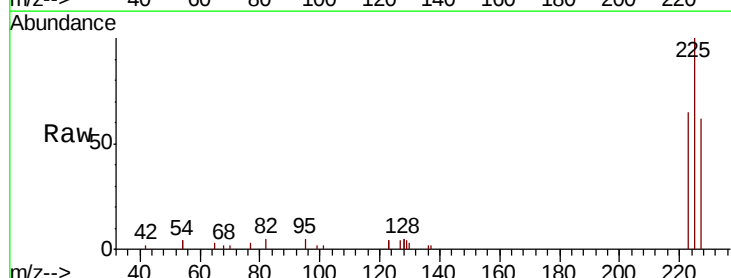
Tgt Ion:225 Resp: 4166

Ion Ratio Lower Upper

225 100

223 62.1 51.8 77.6

227 62.0 52.6 79.0

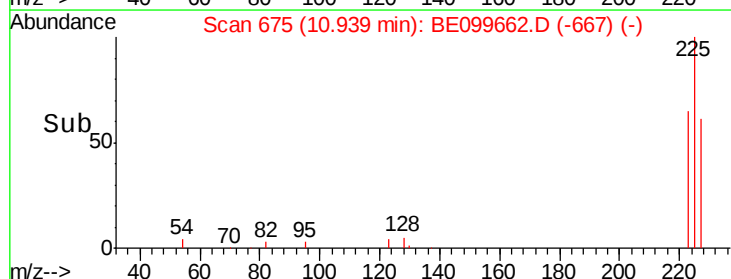
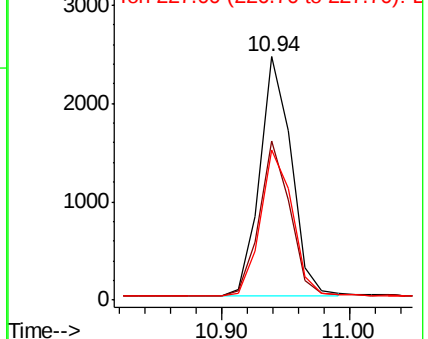


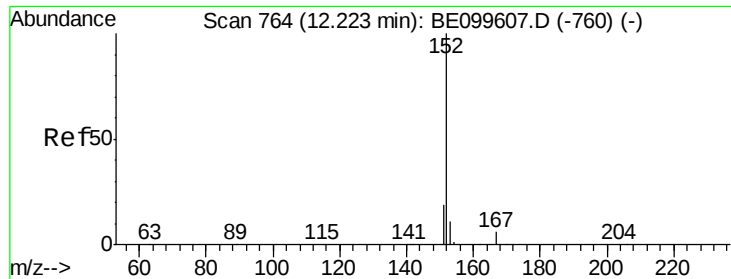
Abundance

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: 0.871 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

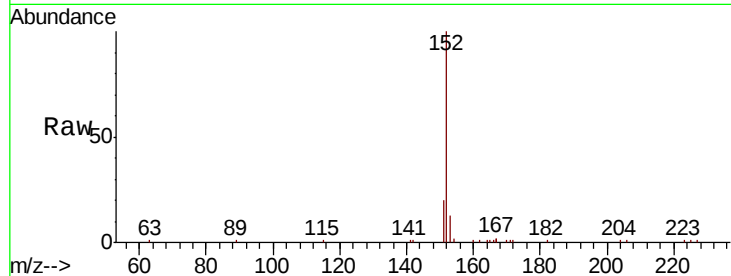
ClientSampleId :

Tot Ion:152 Resp: 9095

Ion Ratio Lower Upper

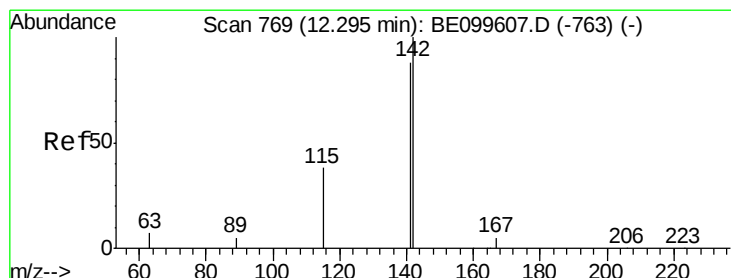
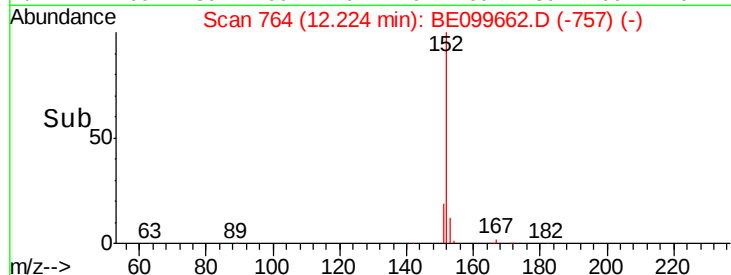
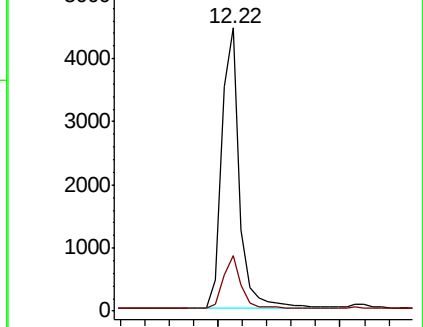
152 100

151 19.1 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: 0.851 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

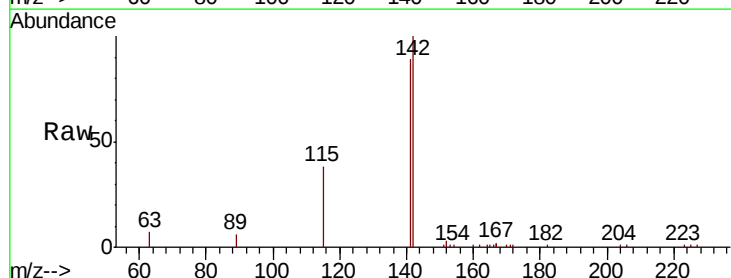
Tgt Ion:142 Resp: 9293

Ion Ratio Lower Upper

142 100

141 89.5 72.0 108.0

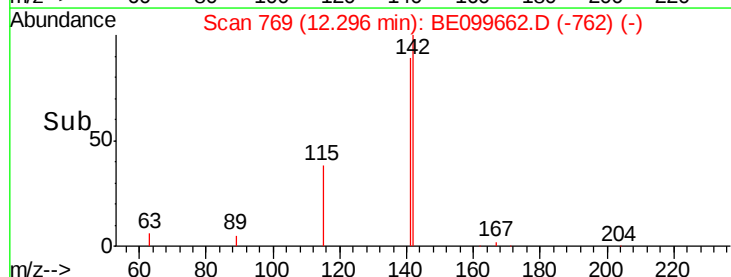
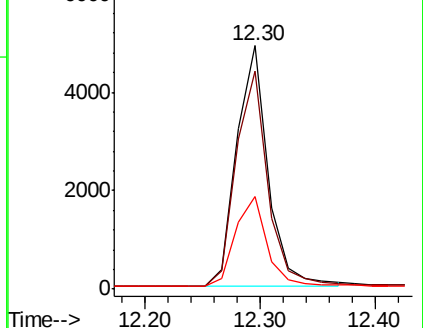
115 38.3 31.0 46.4

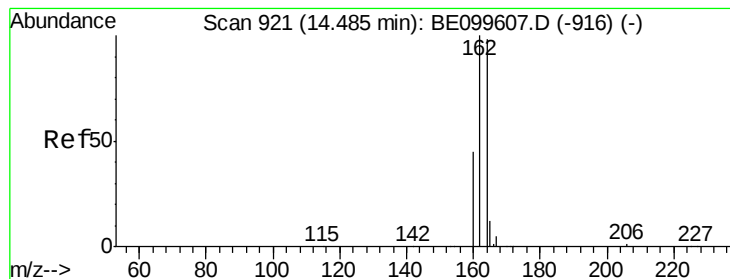


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

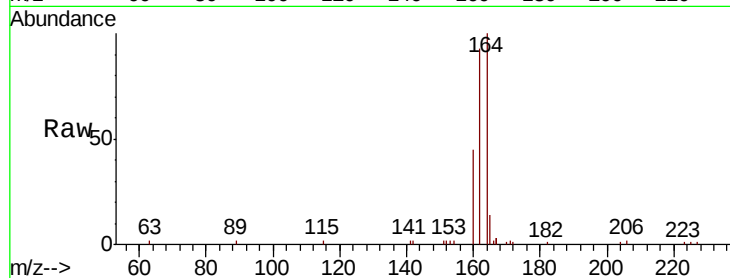
Tot Ion:164 Resp: 4518

Ion Ratio Lower Upper

164 100

162 93.4 76.5 114.7

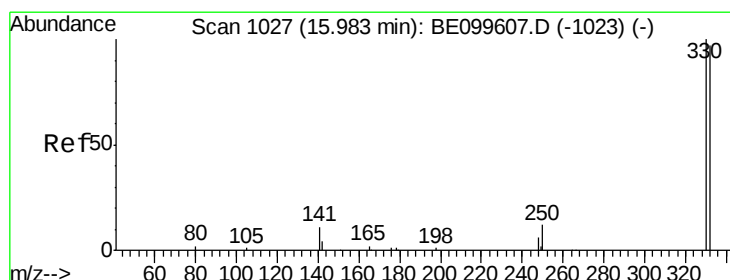
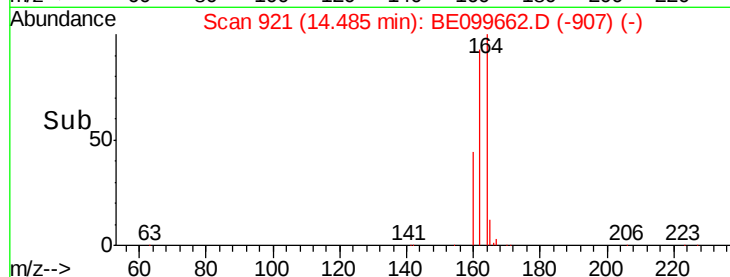
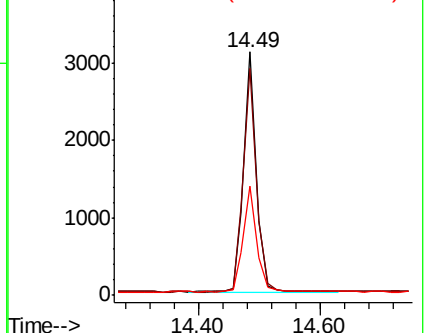
160 44.8 37.4 56.2



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: 0.745 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

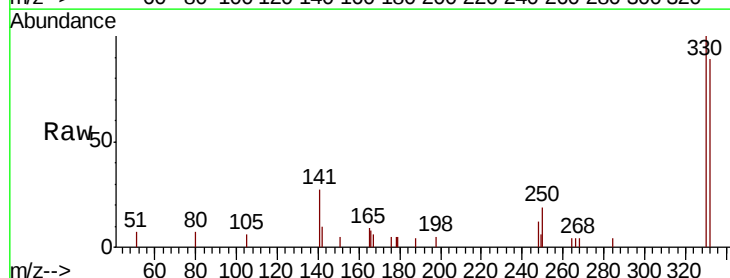
Tgt Ion:330 Resp: 2301

Ion Ratio Lower Upper

330 100

332 93.9 77.3 115.9

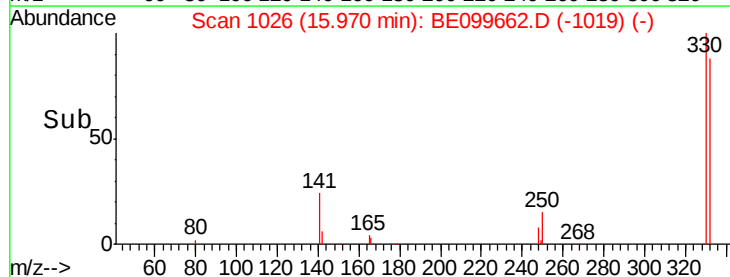
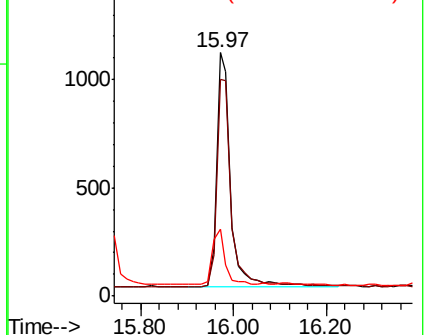
141 22.2 18.9 28.3

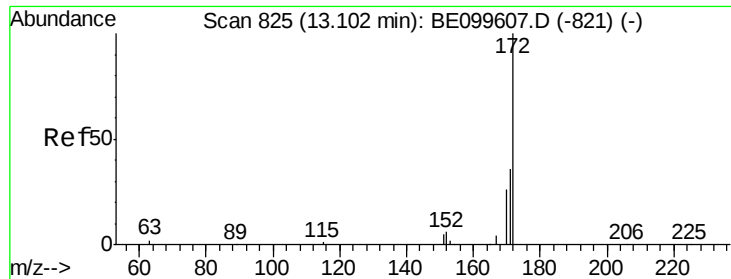


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

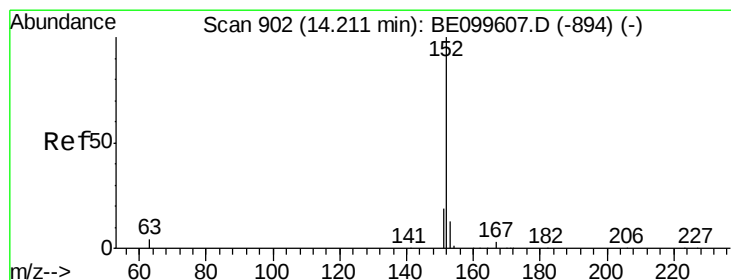
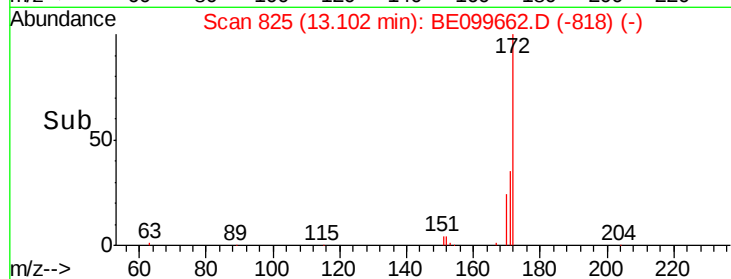
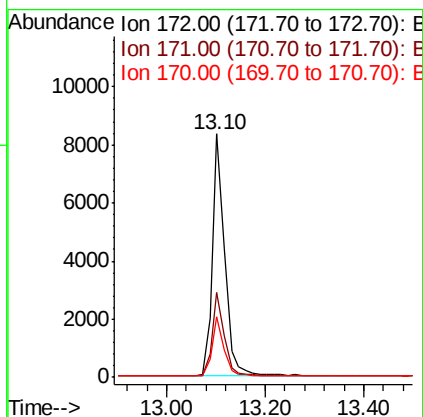
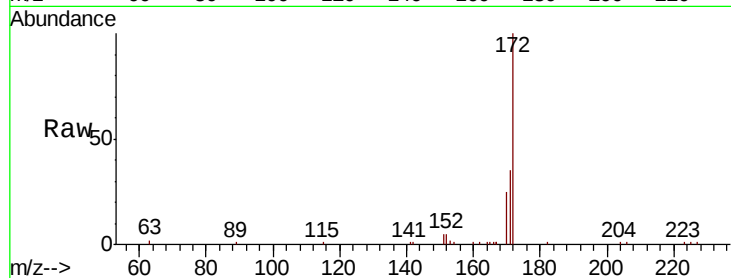




#15
2-Fluorobiphenyl
Concen: 0.824 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

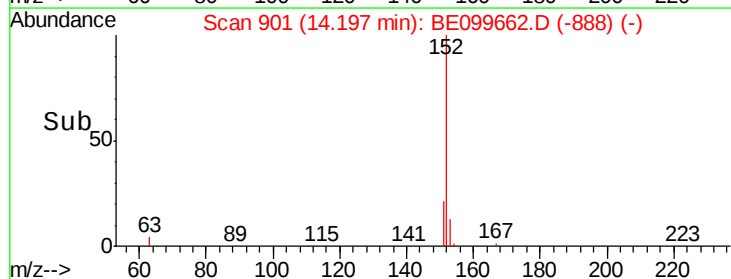
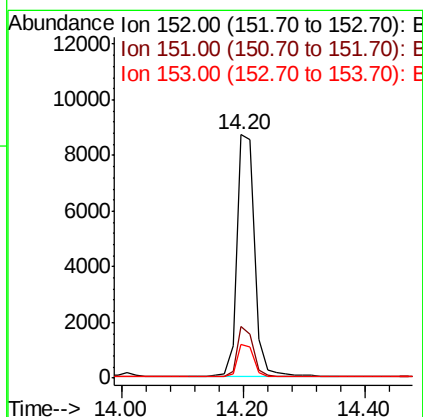
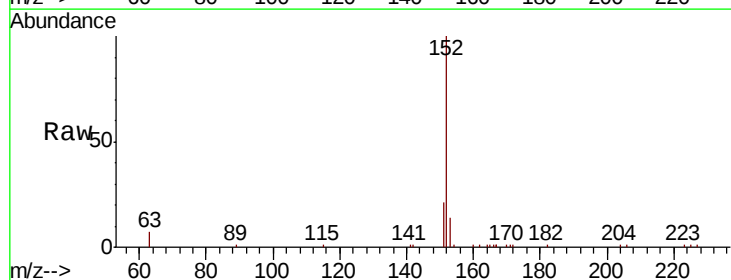
Instrument :
BNA_E
ClientSampleId :

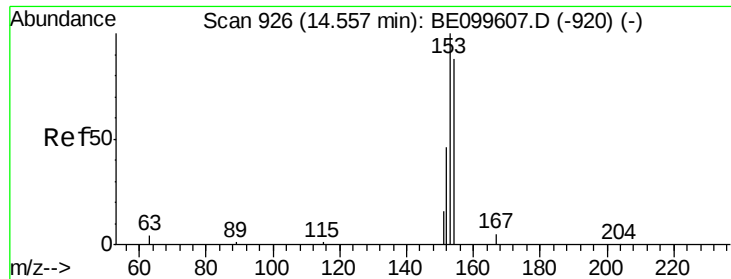
Tot Ion:172 Resp: 14331
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 24.9 20.9 31.3



#16
Acenaphthylene
Concen: 0.828 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

Tgt Ion:152 Resp: 17669
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 12.9 10.6 16.0





#17

Acenaphthene

Concen: 0.823 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

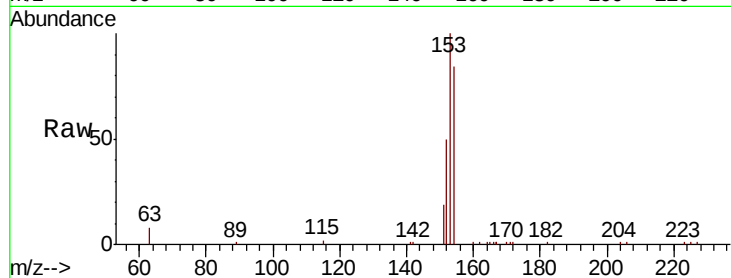
Tot Ion:154 Resp: 9907

Ion Ratio Lower Upper

154 100

153 117.4 92.2 138.4

152 57.8 46.2 69.4

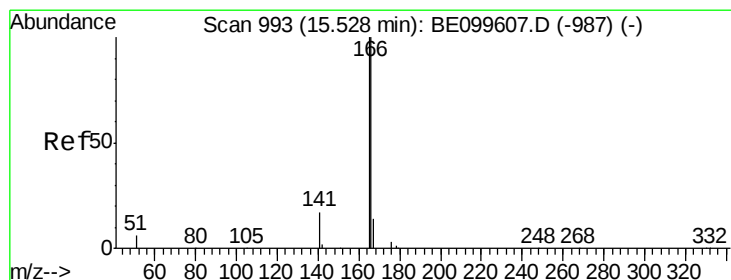
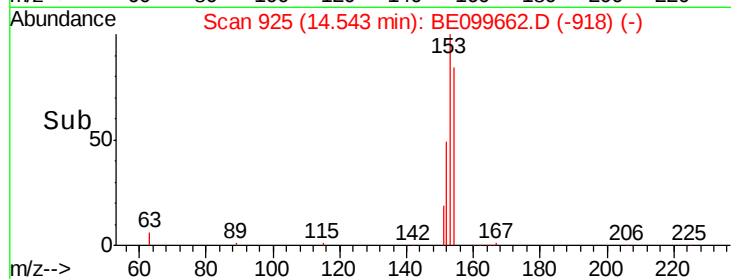
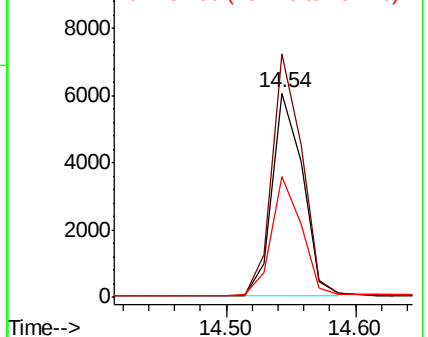


Abundance

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: 0.854 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

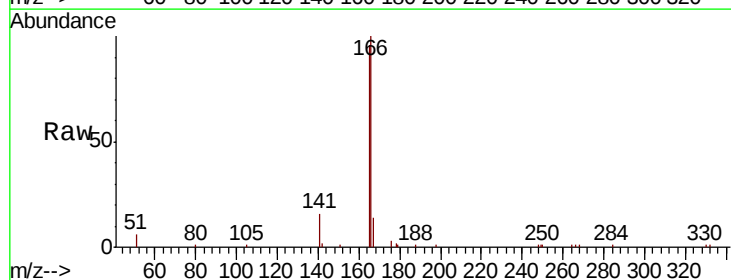
Tgt Ion:166 Resp: 14754

Ion Ratio Lower Upper

166 100

165 100.2 80.3 120.5

167 13.4 10.6 16.0

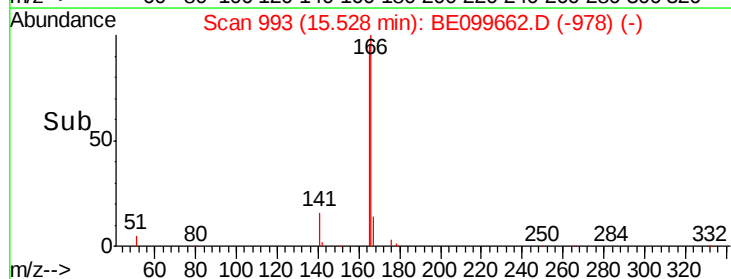
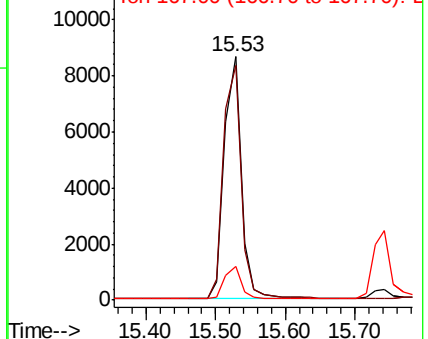


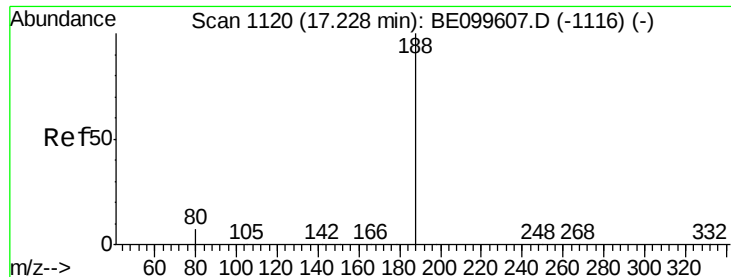
Abundance

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: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampled :

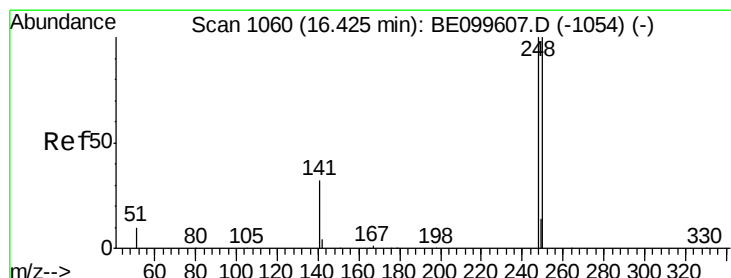
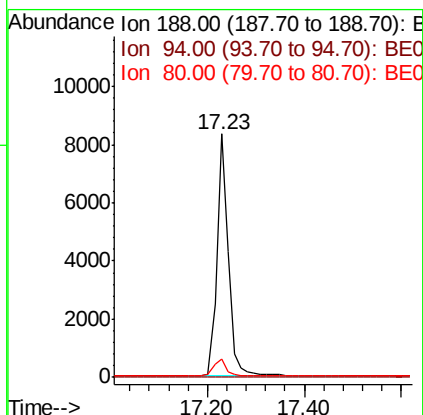
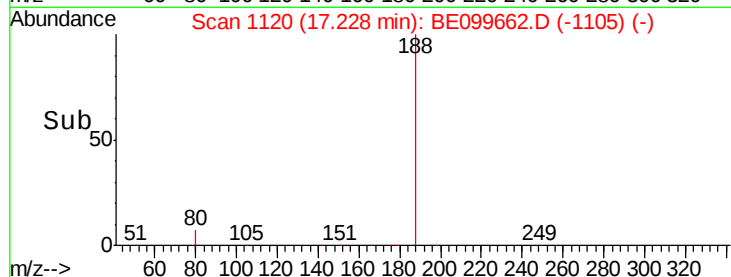
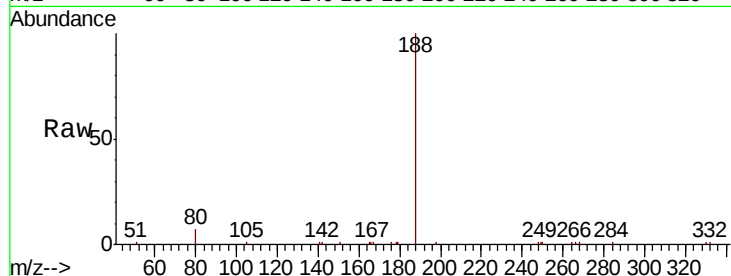
Tot Ion:188 Resp: 13509

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.4 6.7 10.1



#20

4-Bromophenyl-phenylether

Concen: 0.851 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

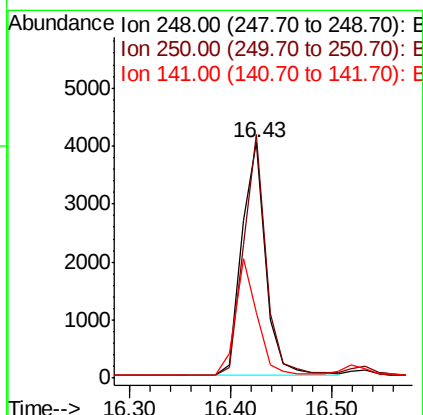
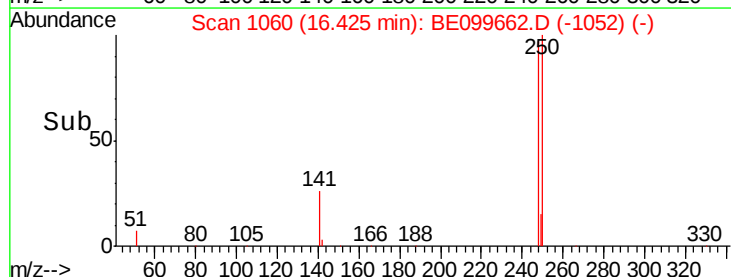
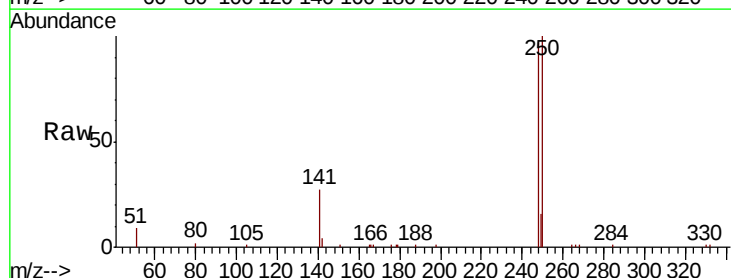
Tgt Ion:248 Resp: 6631

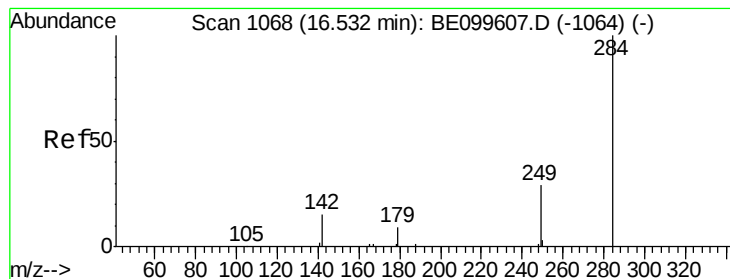
Ion Ratio Lower Upper

248 100

250 103.5 79.8 119.8

141 27.8 27.0 40.6





#21

Hexachlorobenzene

Concen: 0.893 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

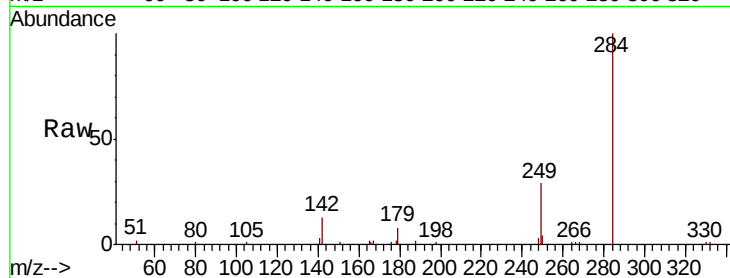
Tot Ion:284 Resp: 6832

Ion Ratio Lower Upper

284 100

142 23.0 17.8 26.6

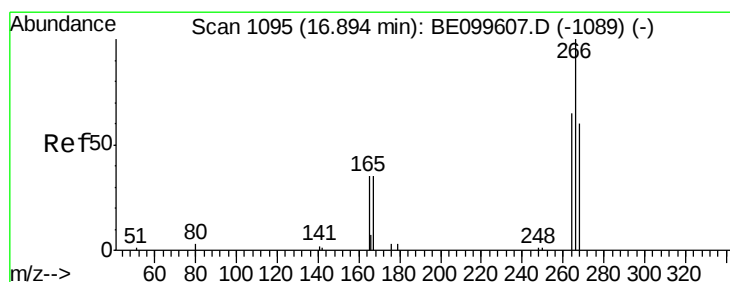
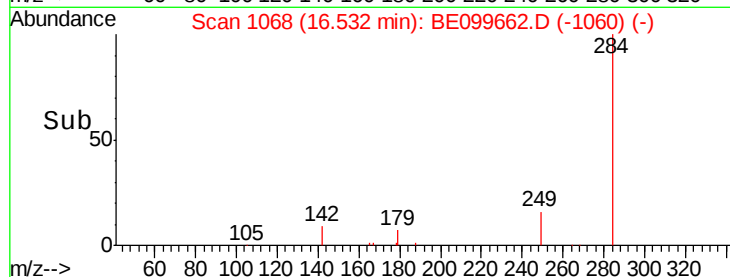
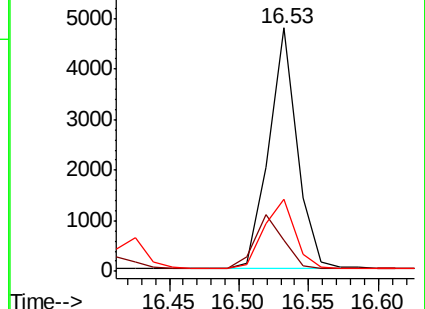
249 31.0 24.8 37.2



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: 0.502 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

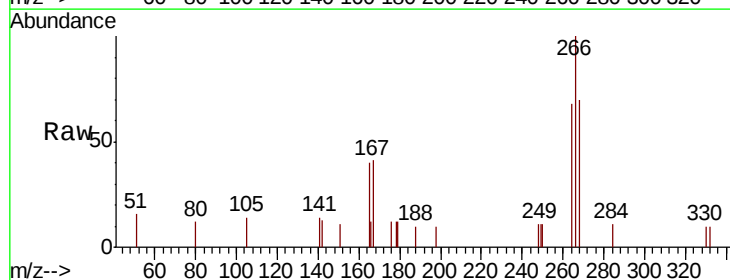
Tgt Ion:266 Resp: 1532

Ion Ratio Lower Upper

266 100

264 67.8 57.2 85.8

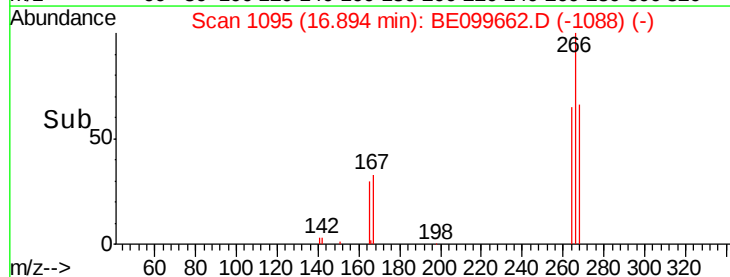
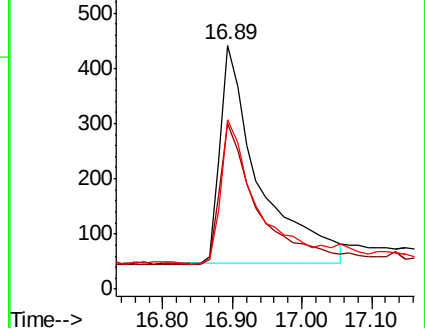
268 69.6 60.5 90.7



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: 0.845 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

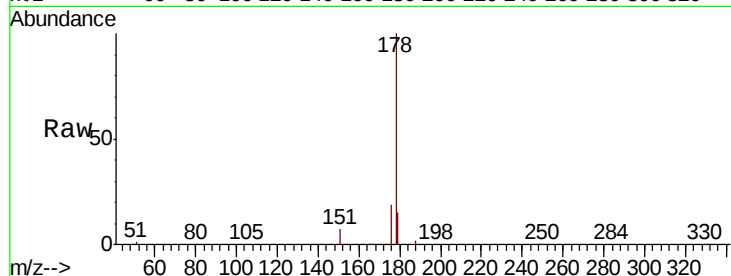
Tot Ion:178 Resp: 28338

Ion Ratio Lower Upper

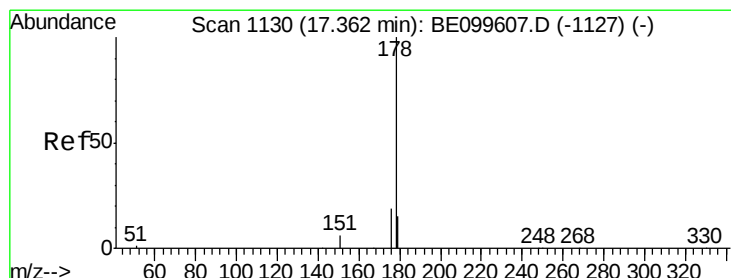
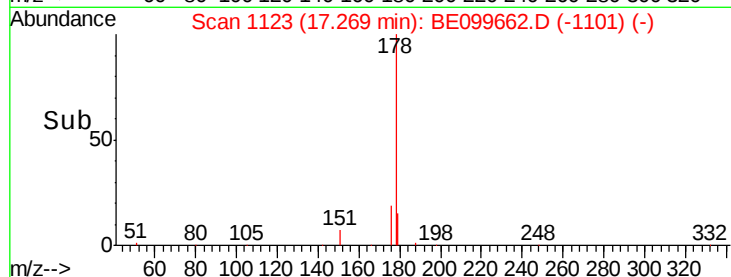
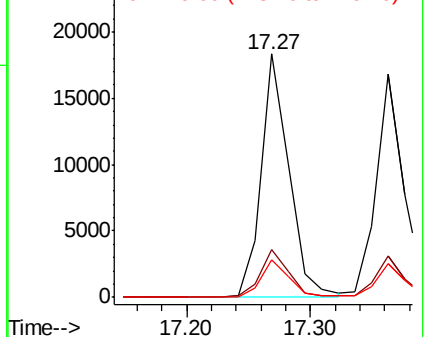
178 100

176 19.4 15.6 23.4

179 15.4 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: 0.832 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

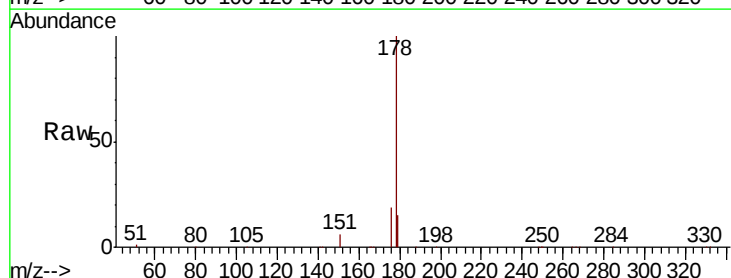
Tgt Ion:178 Resp: 25736

Ion Ratio Lower Upper

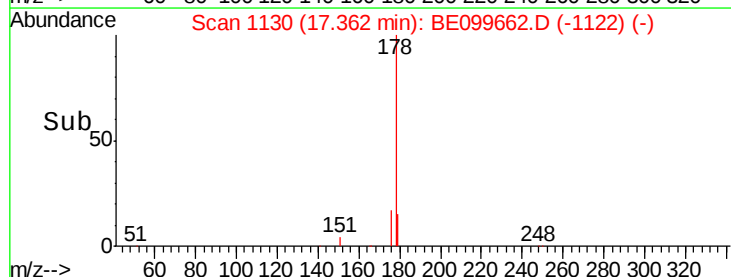
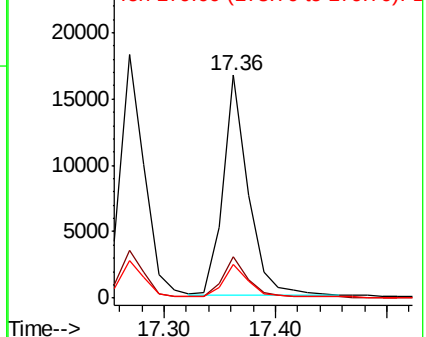
178 100

176 18.6 14.7 22.1

179 15.2 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: 0.855 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

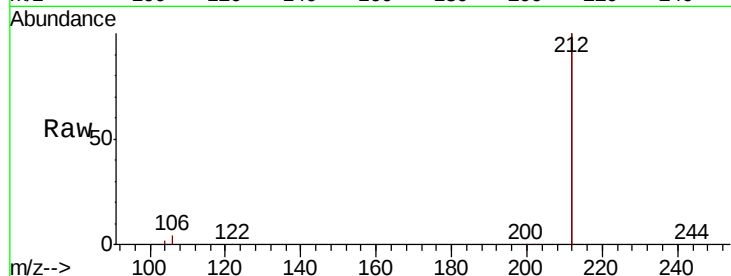
Tot Ion:212 Resp: 153609

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

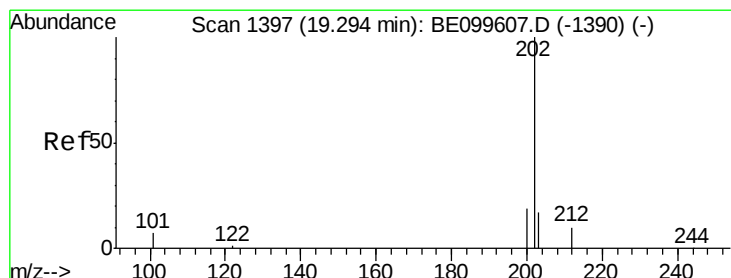
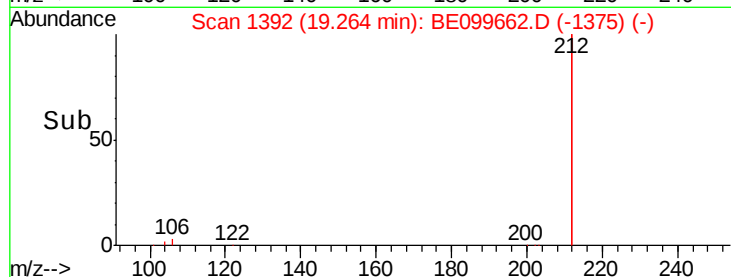
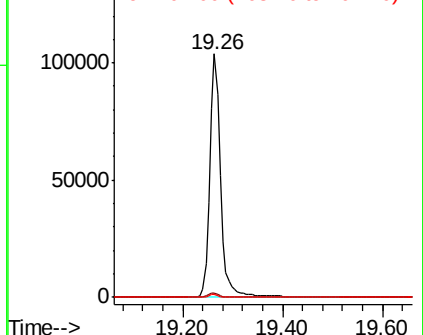
104 1.0 0.8 1.2



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: 0.869 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

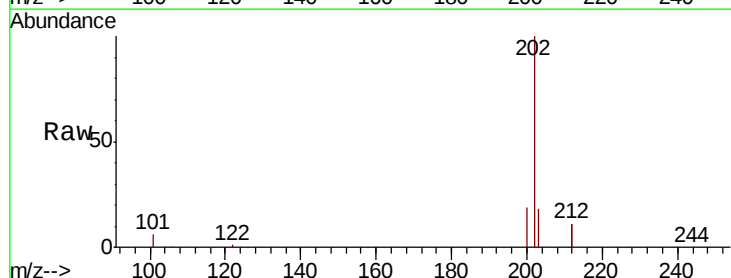
Tgt Ion:202 Resp: 44094

Ion Ratio Lower Upper

202 100

101 6.6 5.2 7.8

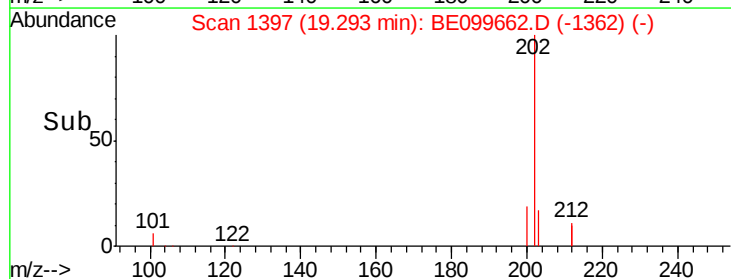
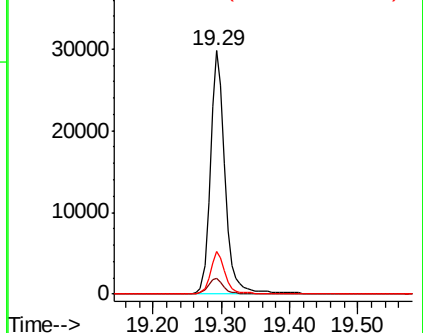
203 17.2 13.8 20.6



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

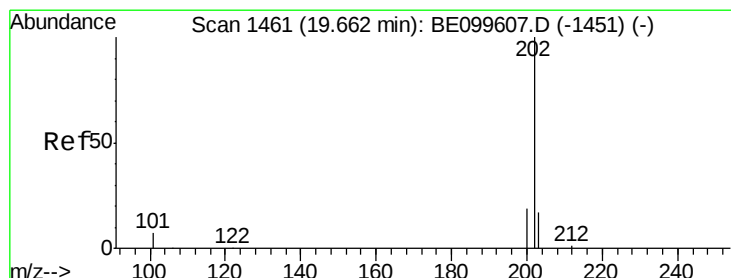
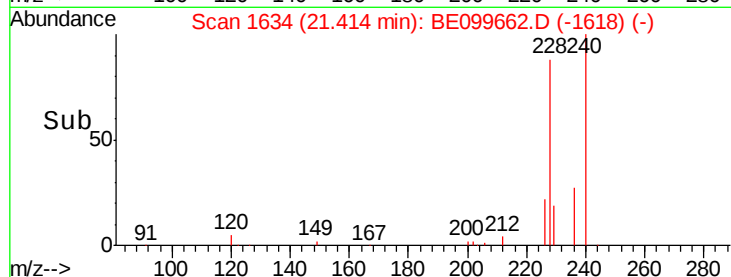
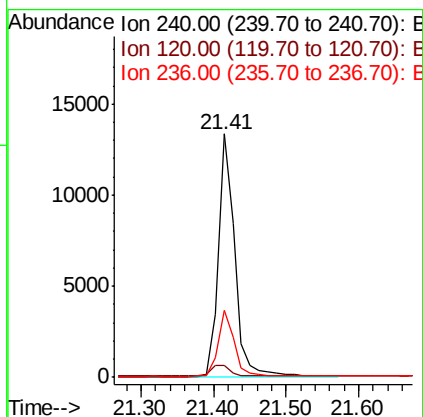
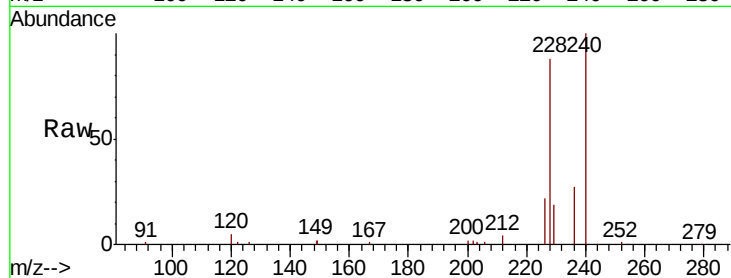




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

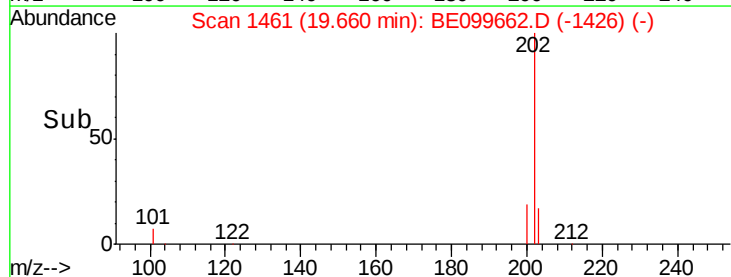
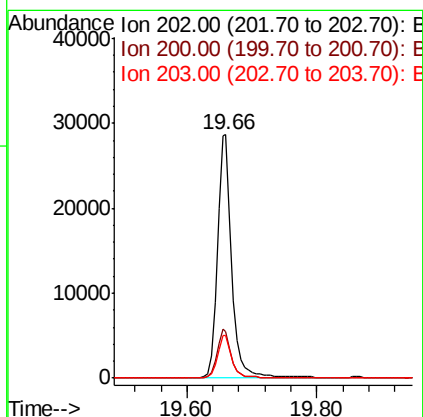
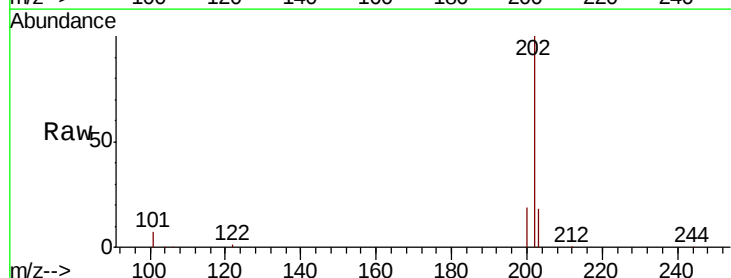
Instrument :
BNA_E
ClientSampleId :

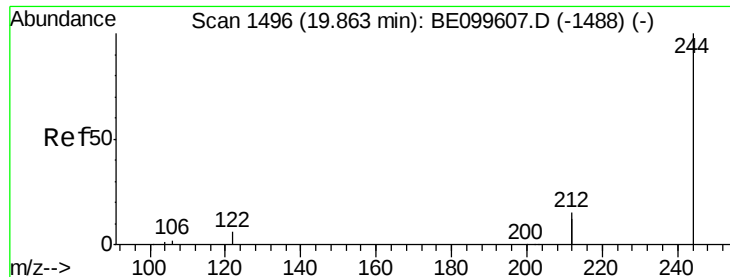
Tot Ion:240 Resp: 20976
Ion Ratio Lower Upper
240 100
120 5.1 5.4 8.0#
236 27.5 21.7 32.5



#28
Pyrene
Concen: 0.834 ng
RT: 19.66 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

Tgt Ion:202 Resp: 44591
Ion Ratio Lower Upper
202 100
200 19.3 15.4 23.2
203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.840 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampled :

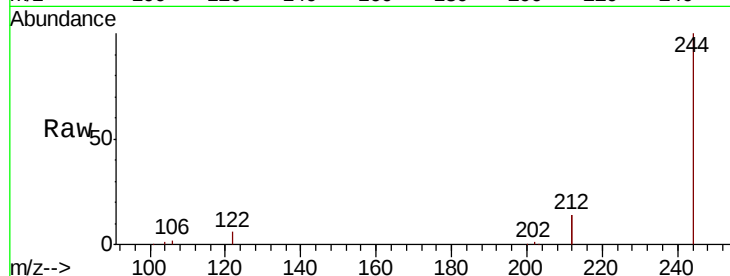
Tot Ion:244 Resp: 31708

Ion Ratio Lower Upper

244 100

212 27.3 22.5 33.7

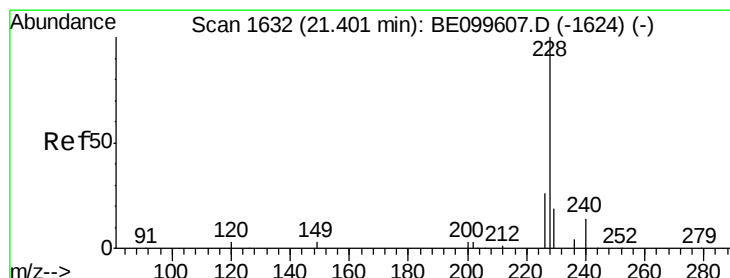
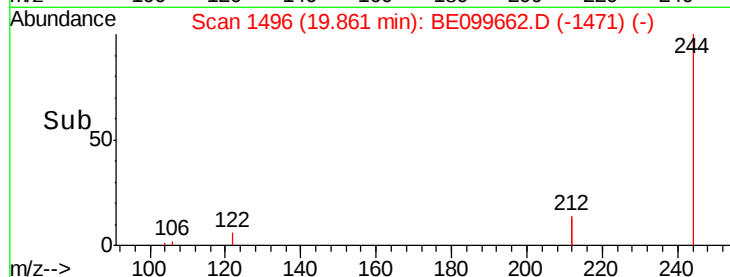
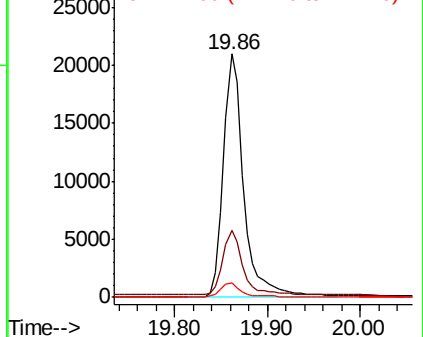
122 5.9 4.3 6.5



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: 0.781 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

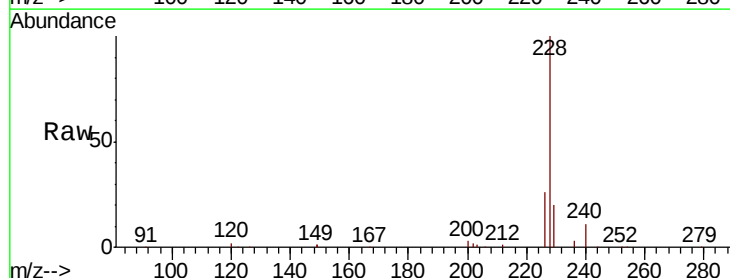
Tgt Ion:228 Resp: 49532

Ion Ratio Lower Upper

228 100

226 26.2 21.3 31.9

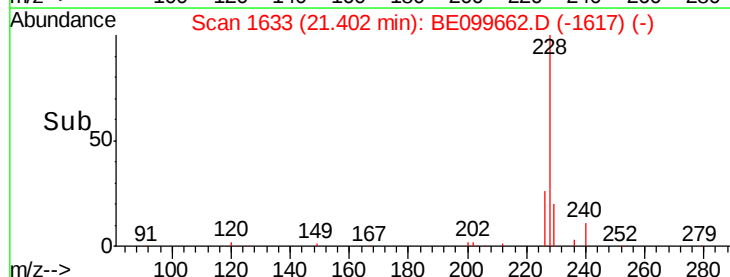
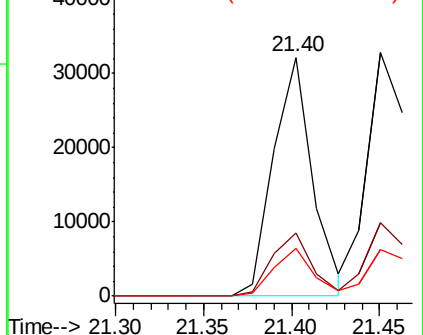
229 19.9 16.1 24.1

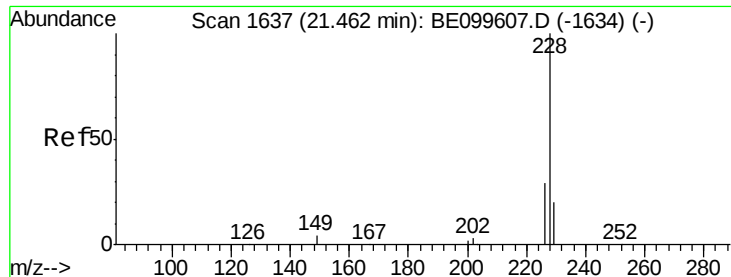


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.822 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampled :

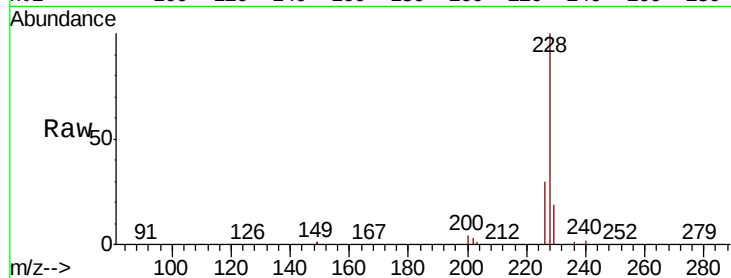
Tot Ion:228 Resp: 53685

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

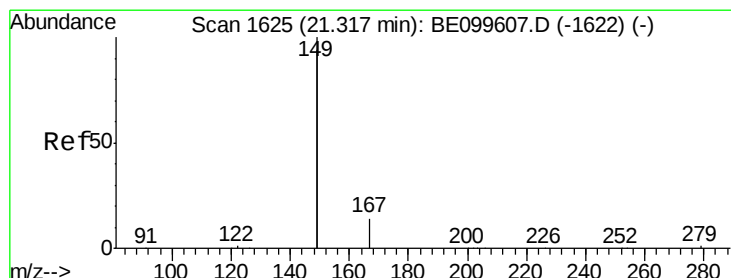
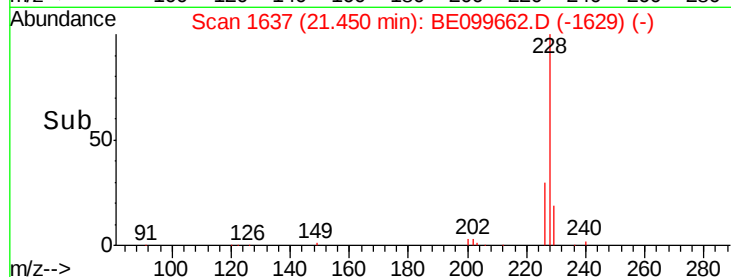
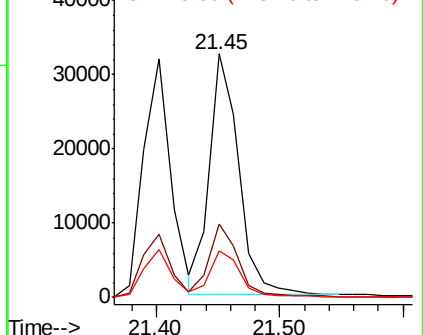
229 19.3 15.8 23.6



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: 0.543 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

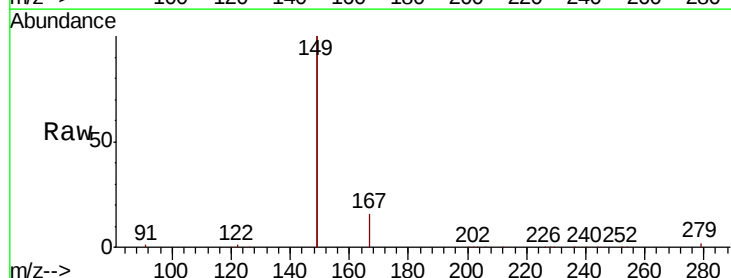
Tgt Ion:149 Resp: 53041

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

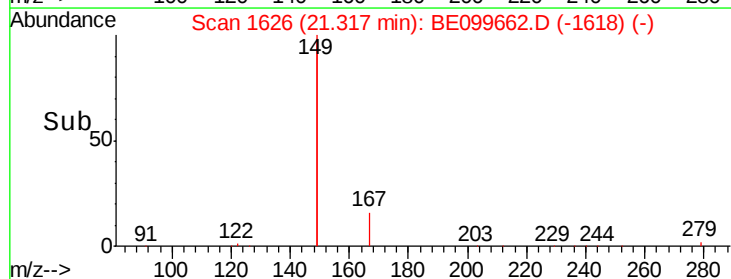
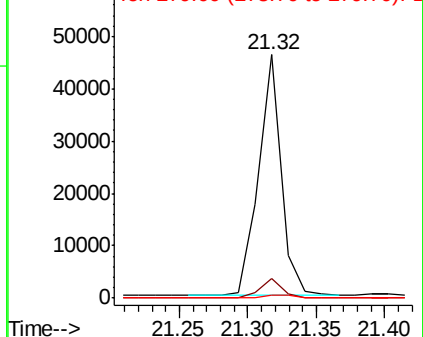
279 1.5 1.2 1.8



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

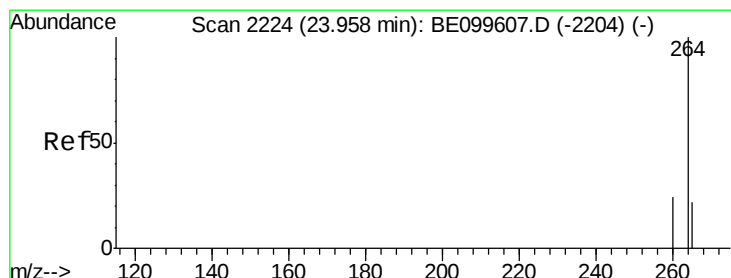
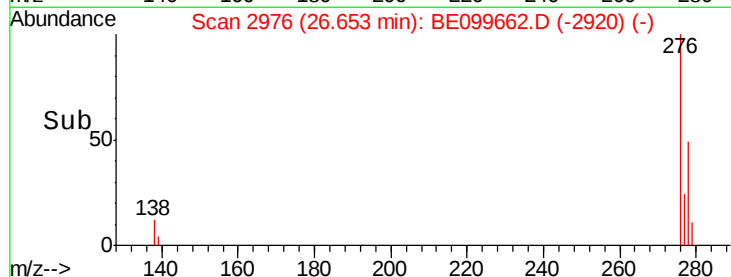
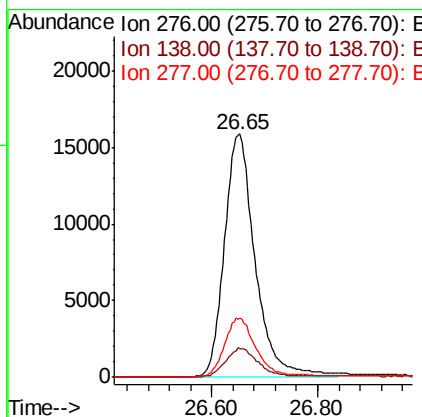
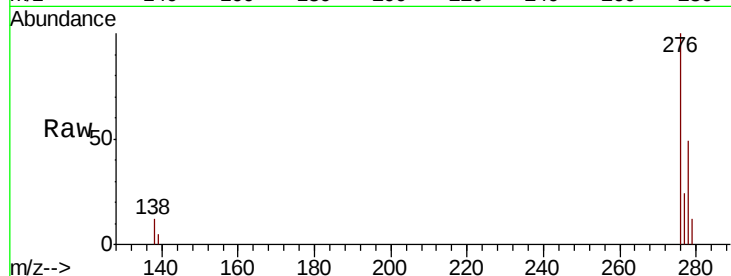




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.782 ng
RT: 26.65 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

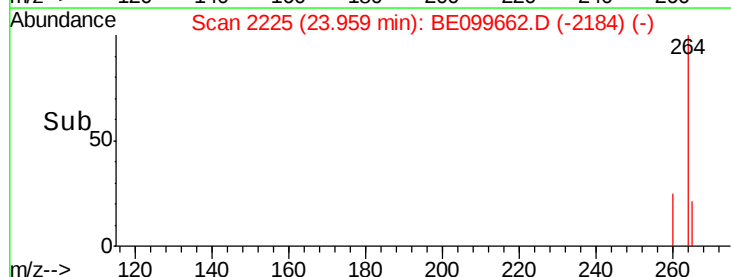
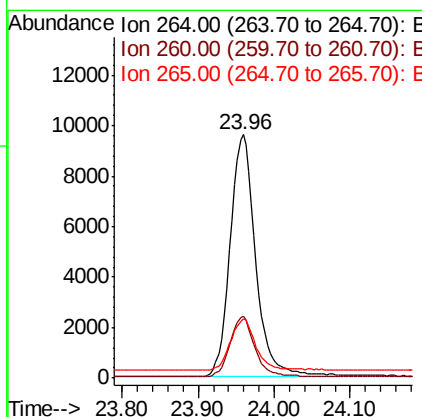
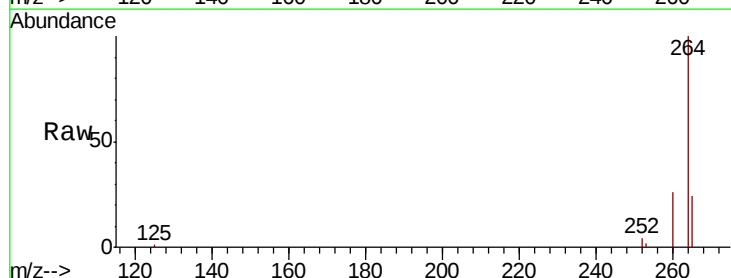
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 63580
Ion Ratio Lower Upper
276 100
138 12.2 9.6 14.4
277 24.3 19.2 28.8



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

Tgt Ion:264 Resp: 22451
Ion Ratio Lower Upper
264 100
260 25.6 19.6 29.4
265 24.4 19.1 28.7

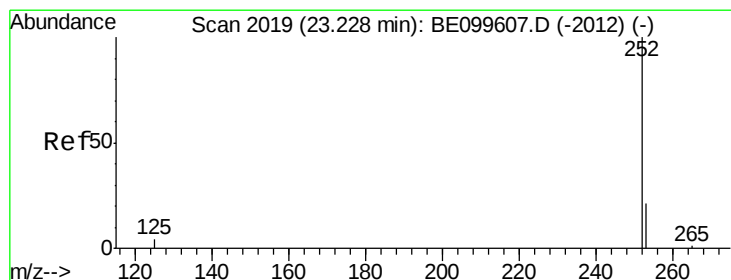
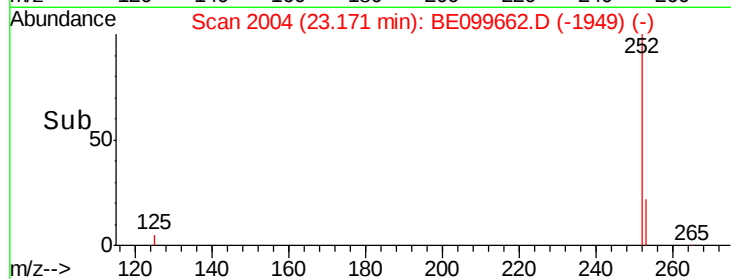
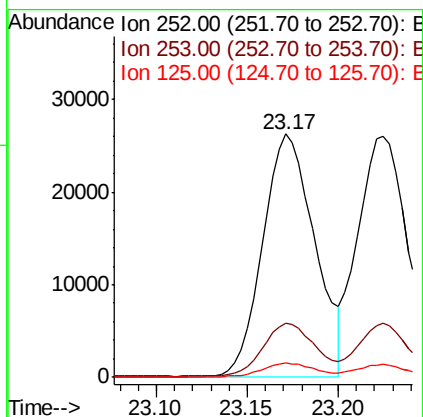
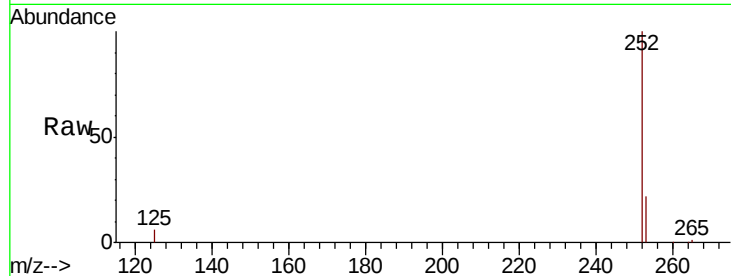




#35
Benzo(b)fluoranthene
Concen: 0.829 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

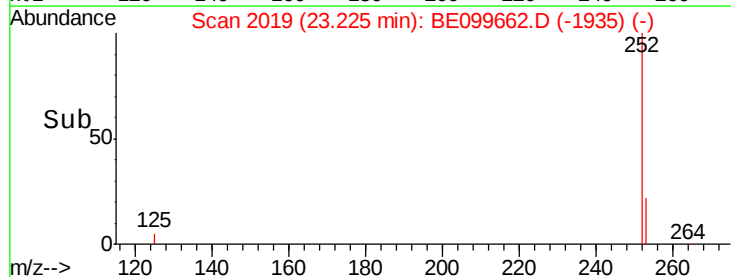
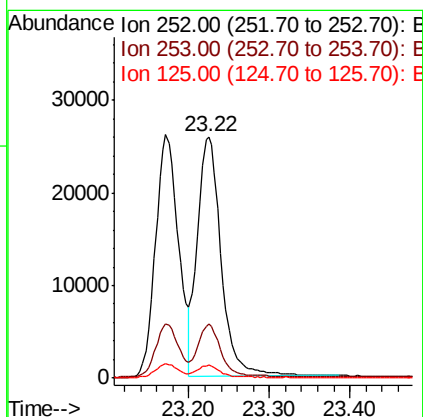
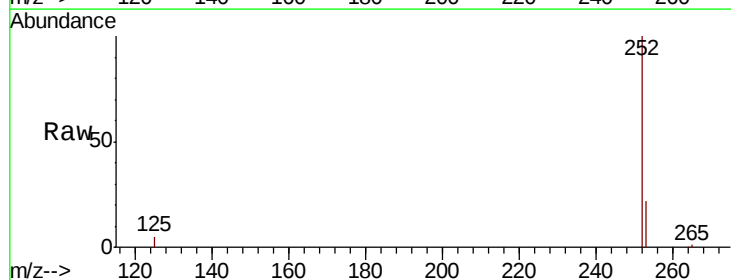
Instrument :
BNA_E
ClientSampleId :

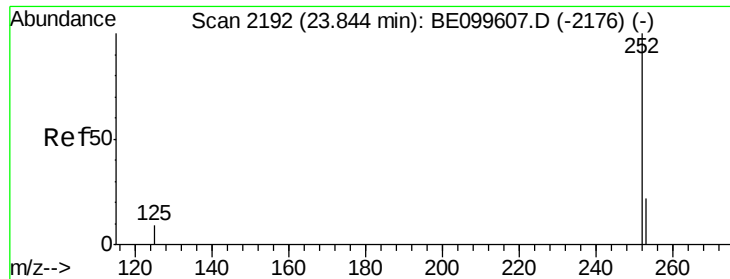
Tot Ion:252 Resp: 52007
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 5.7 4.5 6.7



#36
Benzo(k)fluoranthene
Concen: 0.862 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099662.D
Acq: 20 May 2019 13:02

Tgt Ion:252 Resp: 53457
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 5.2 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.817 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :

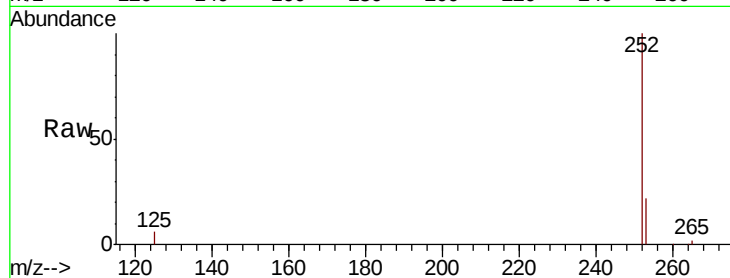
Tot Ion:252 Resp: 49655

Ion Ratio Lower Upper

252 100

253 22.4 18.9 28.3

125 6.4 5.4 8.0

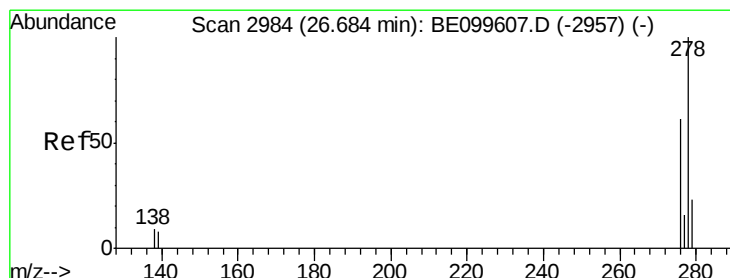
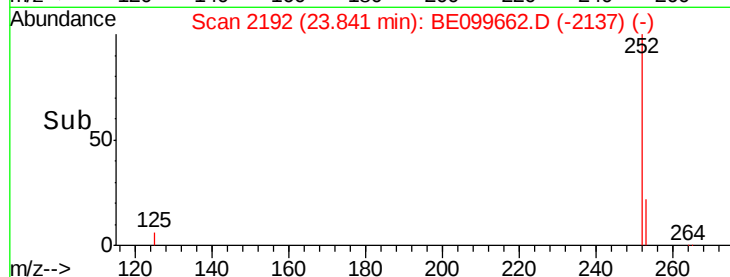
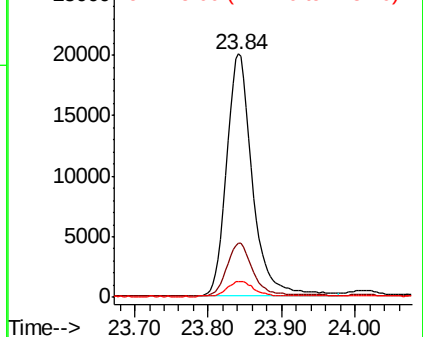


Abundance

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: 0.827 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.00 min

Lab File: BE099662.D

Acq: 20 May 2019 13:02

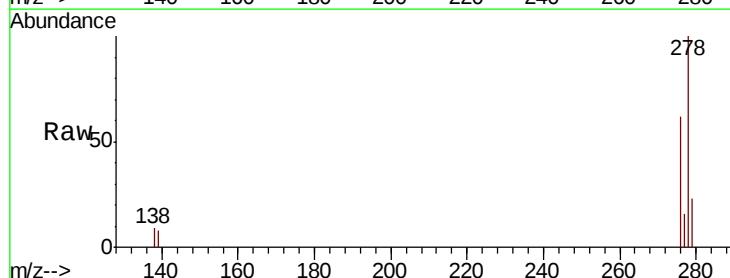
Tgt Ion:278 Resp: 52175

Ion Ratio Lower Upper

278 100

139 8.3 6.9 10.3

279 23.5 19.2 28.8

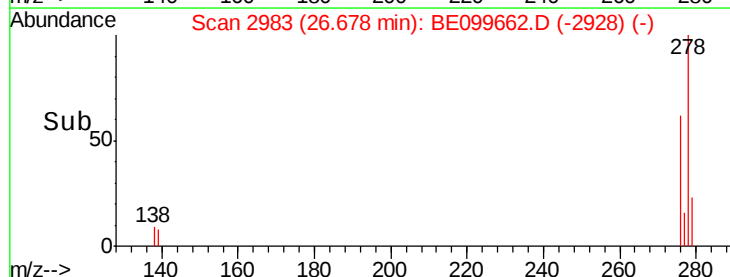
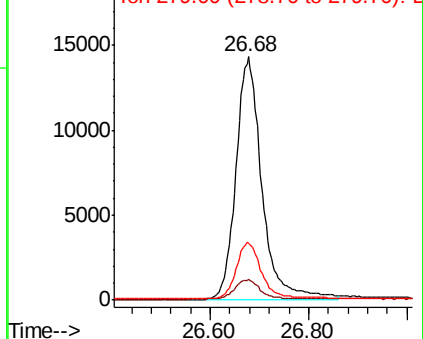


Abundance

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: 0.827 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

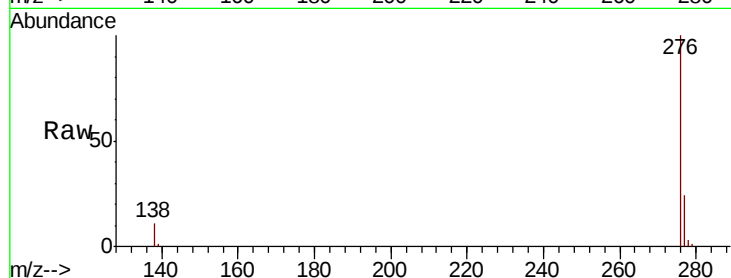
Lab File: BE099662.D

Acq: 20 May 2019 13:02

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 52430

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 11.1 9.2 13.8

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

