

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041919\
 Data File : BE099347.D
 Acq On : 19 Apr 2019 13:54
 Operator : JU/SJ
 Sample : PB119051BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119051BS

Quant Time: Apr 19 22:57:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	4364	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15029	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	8700	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23118	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29647	0.40	ng	0.00
34) Perylene-d12	23.86	264	33642	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	2363	0.22	ng	0.01
5) Phenol-d6	6.97	99	3042	0.20	ng	0.00
8) Nitrobenzene-d5	8.98	82	2453	0.21	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	7615	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	583	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	7713	0.23	ng	0.00
25) Fluoranthene-d10	19.22	212	57995	0.21	ng	0.00
29) Terphenyl-d14	19.82	244	10426	0.18	ng	0.00

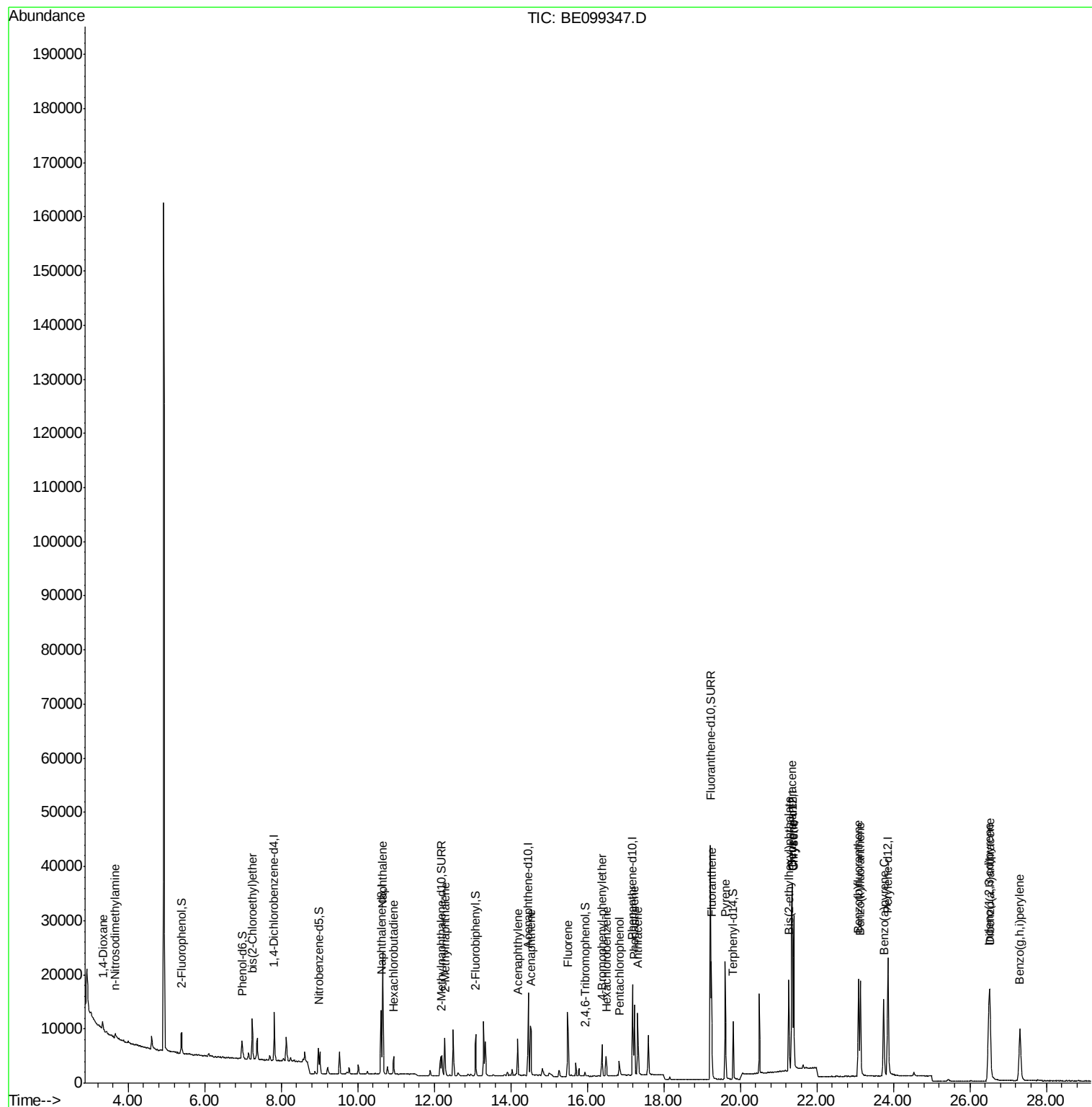
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1227	0.201	ng	# 84
3) n-Nitrosodimethylamine	3.67	42	685	0.208	ng	# 91
6) bis(2-Chloroethyl)ether	7.24	93	2965	0.209	ng	95
9) Naphthalene	10.65	128	35966	0.219	ng	100
10) Hexachlorobutadiene	10.94	225	2251	0.216	ng	97
12) 2-Methylnaphthalene	12.28	142	5897	0.211	ng	96
16) Acenaphthylene	14.18	152	8399	0.214	ng	99
17) Acenaphthene	14.53	154	5383	0.222	ng	98
18) Fluorene	15.49	166	7260	0.209	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	2897	0.226	ng	# 90
21) Hexachlorobenzene	16.49	284	2855	0.232	ng	97
22) Pentachlorophenol	16.84	266	1724	0.567	ng	96
23) Phenanthrene	17.23	178	14402	0.235	ng	99
24) Anthracene	17.32	178	12401	0.228	ng	100
26) Fluoranthene	19.25	202	19483	0.238	ng	98
28) Pyrene	19.61	202	20304	0.232	ng	100
30) Benzo(a)anthracene	21.34	228	25006	0.287	ng	99
31) Chrysene	21.40	228	25228	0.272	ng	100
32) Bis(2-ethylhexyl)phthalate	21.27	149	20367	0.257	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	28815	0.315	ng	99
35) Benzo(b)fluoranthene	23.09	252	25597	0.249	ng	96
36) Benzo(k)fluoranthene	23.14	252	25637	0.250	ng	99
37) Benzo(a)pyrene	23.75	252	23966	0.260	ng	97
38) Dibenzo(a,h)anthracene	26.52	278	24123	0.256	ng	98
39) Benzo(g,h,i)perylene	27.31	276	25013	0.262	ng	97

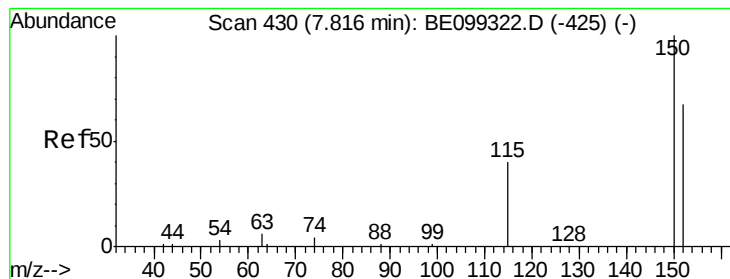
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

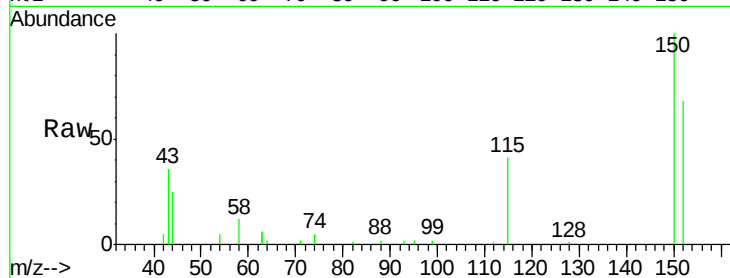
Tgt Ion:152 Resp: 4364

Ion Ratio Lower Upper

152 100

150 146.4 119.5 179.3

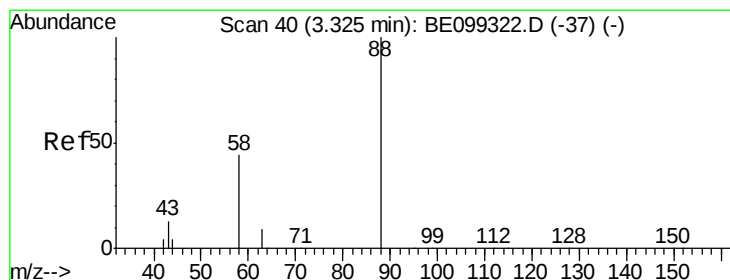
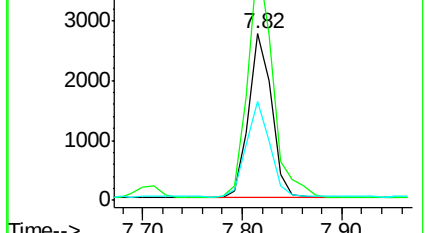
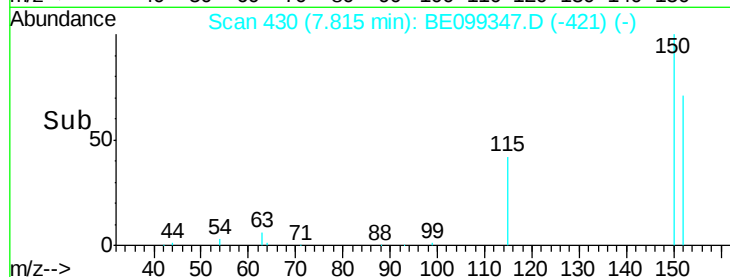
115 59.7 47.5 71.3



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: 0.201 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.01 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

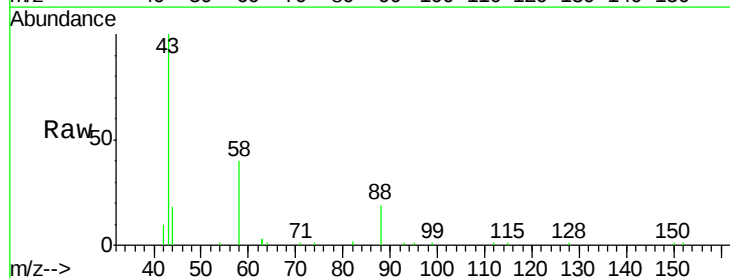
Tgt Ion: 88 Resp: 1227

Ion Ratio Lower Upper

88 100

58 65.1 49.1 73.7

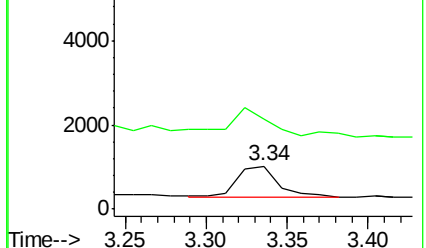
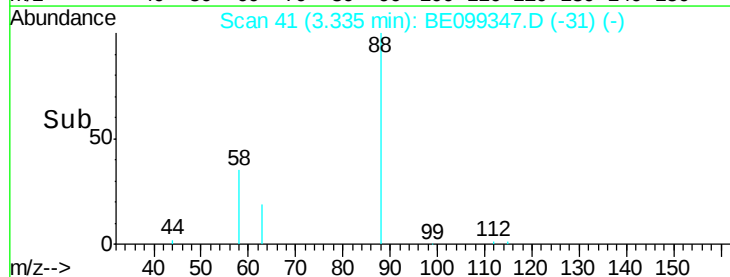
43 0.0 17.9 26.9#

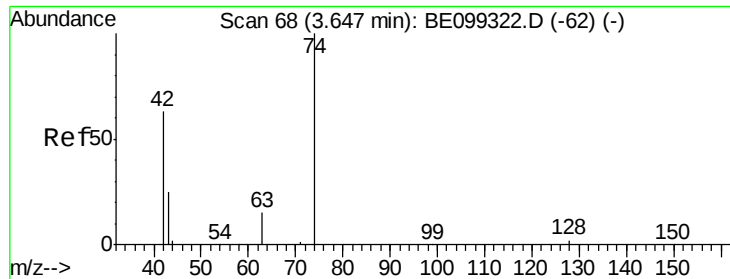


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.208 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.01 min

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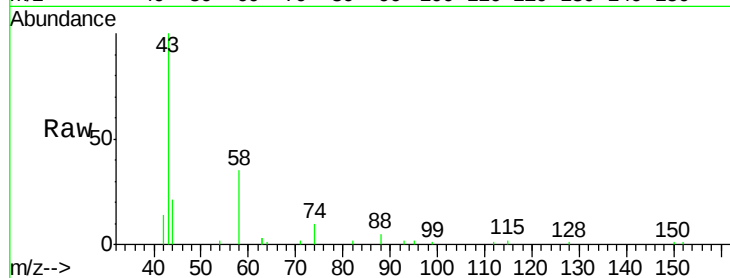
Tgt Ion: 42 Resp: 685

Ion Ratio Lower Upper

42 100

74 171.2 145.8 218.8

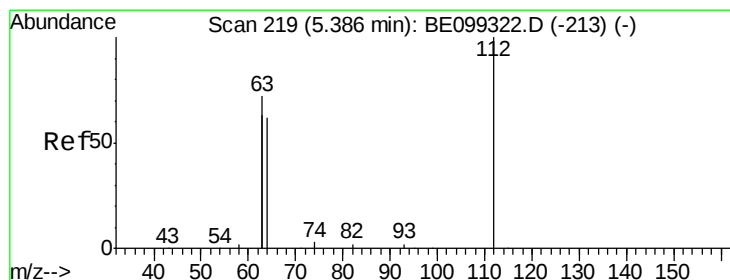
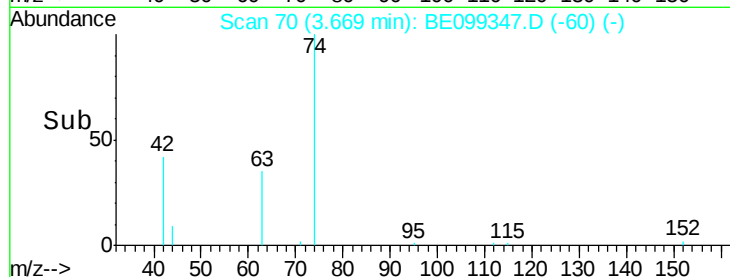
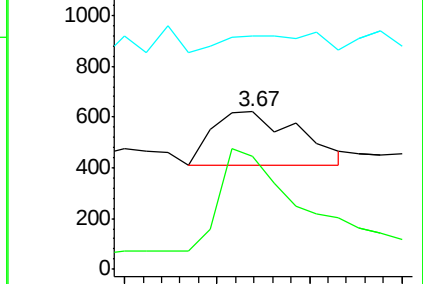
44 0.0 9.0 13.4#



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: 0.222 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

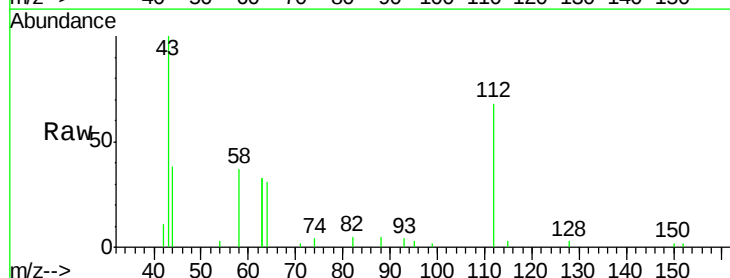
Tgt Ion: 112 Resp: 2363

Ion Ratio Lower Upper

112 100

64 58.7 44.9 67.3

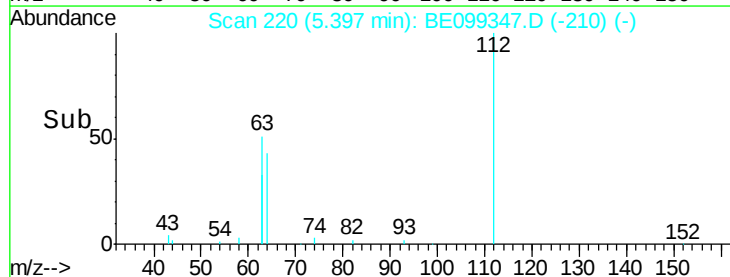
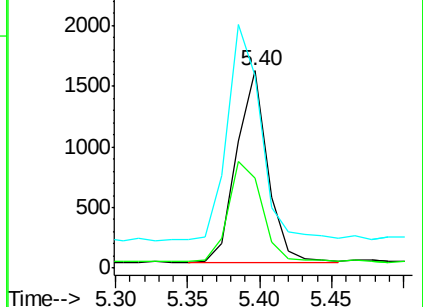
63 123.0 97.4 146.0

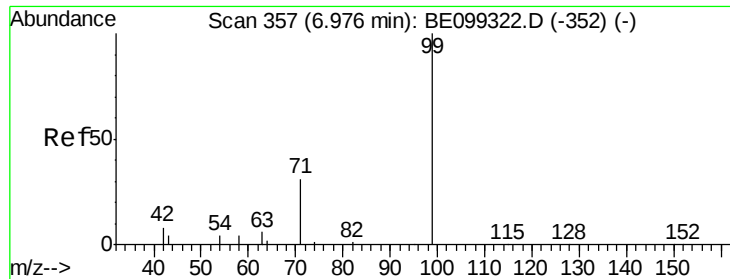


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.200 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

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PB119051BS

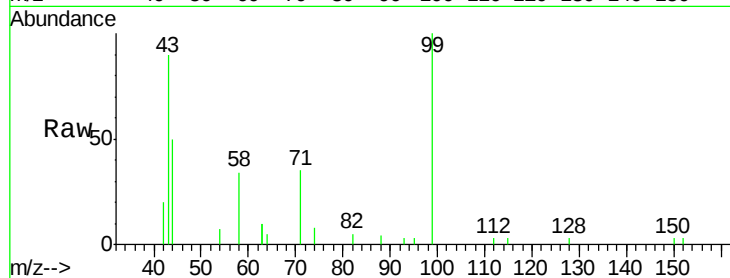
Tgt Ion: 99 Resp: 3042

Ion Ratio Lower Upper

99 100

42 20.3 11.7 17.5#

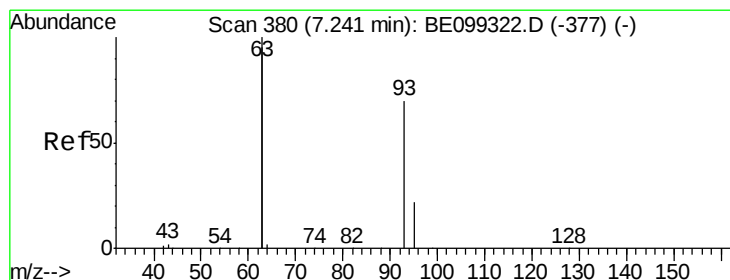
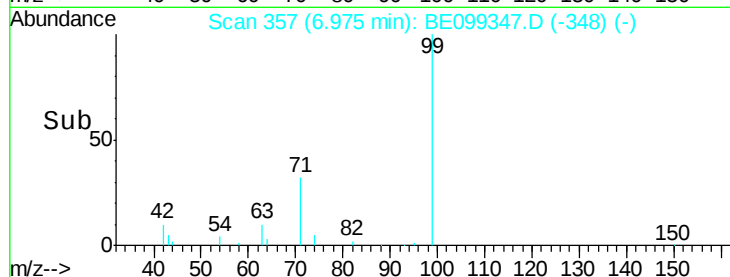
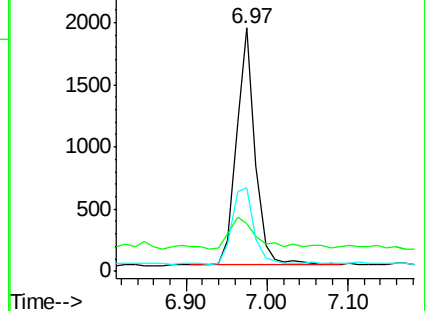
71 37.9 29.6 44.4



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: 0.209 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

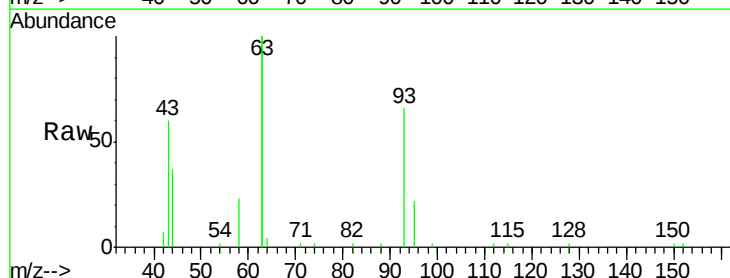
Tgt Ion: 93 Resp: 2965

Ion Ratio Lower Upper

93 100

63 280.7 216.6 324.8

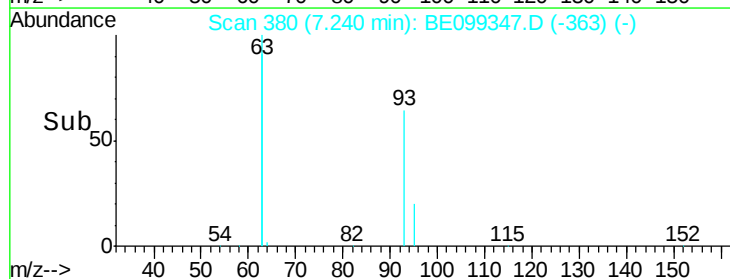
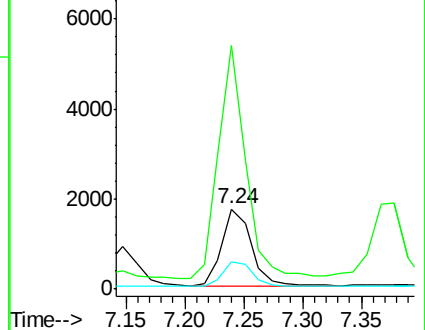
95 33.7 25.8 38.6

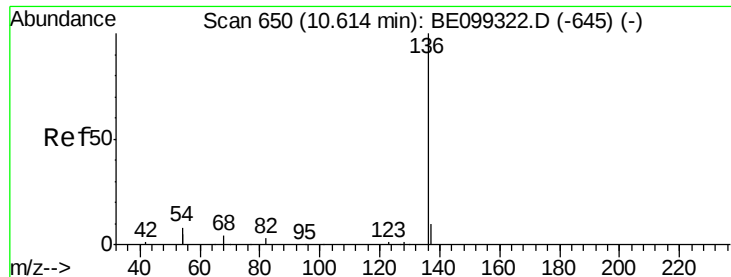


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.01 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

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Tgt Ion:136 Resp: 15029

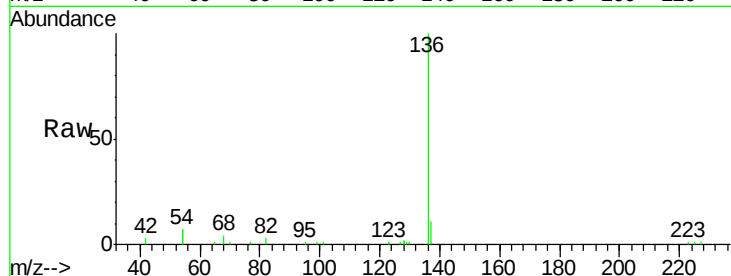
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 13.5 23.8 35.8#

68 4.3 6.4 9.6#

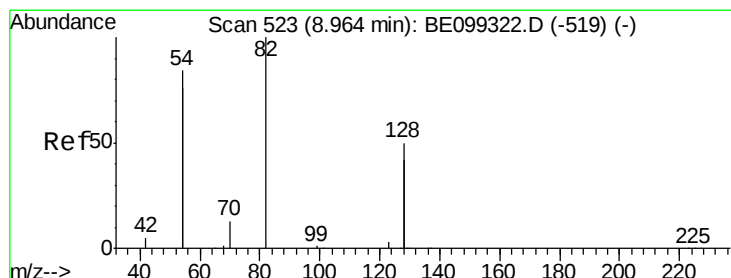
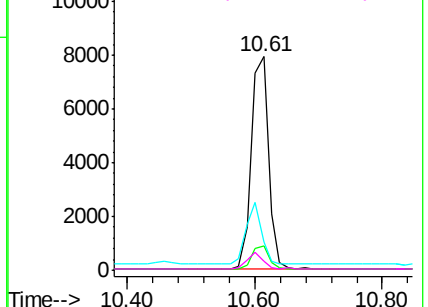
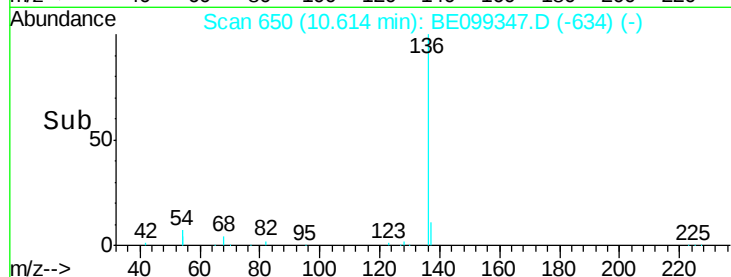


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.210 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

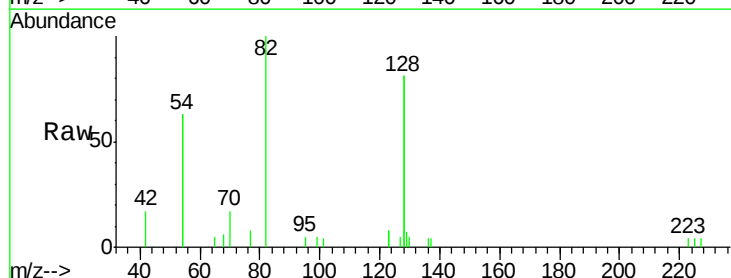
Tgt Ion: 82 Resp: 2453

Ion Ratio Lower Upper

82 100

128 161.8 91.7 137.5#

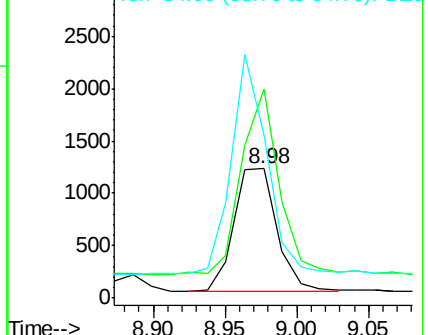
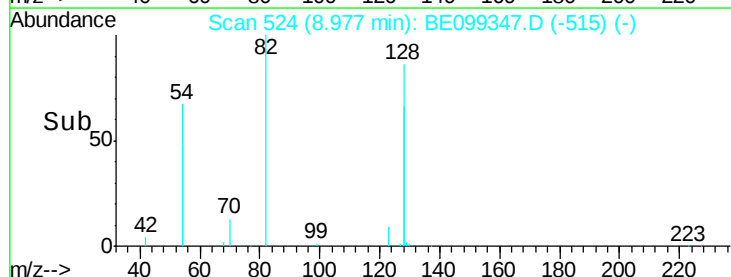
54 125.7 122.8 184.2

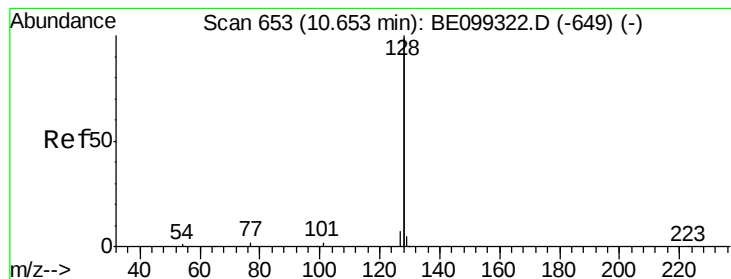


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.219 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

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Acq: 19 Apr 2019 13:54

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PB119051BS

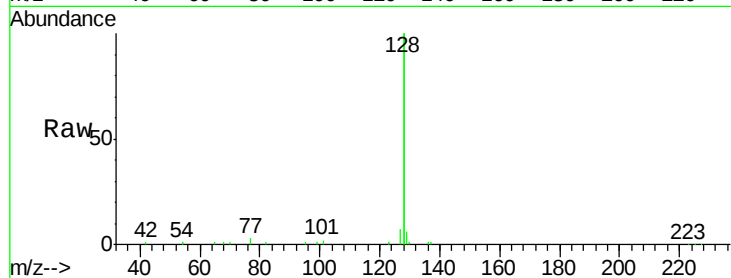
Tgt Ion:128 Resp: 35966

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

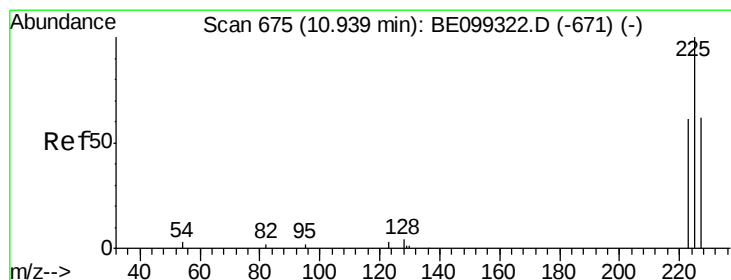
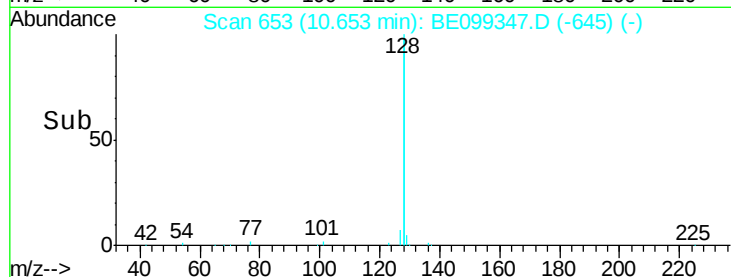
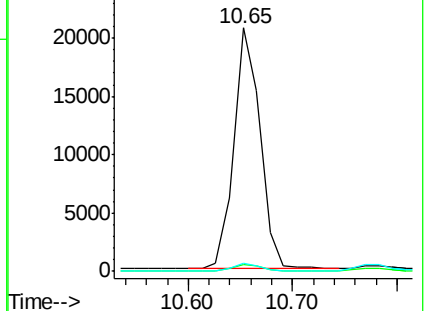
127 3.6 2.8 4.2



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: 0.216 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

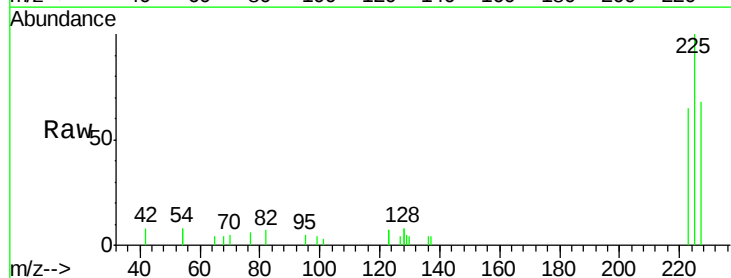
Tgt Ion:225 Resp: 2251

Ion Ratio Lower Upper

225 100

223 63.3 50.3 75.5

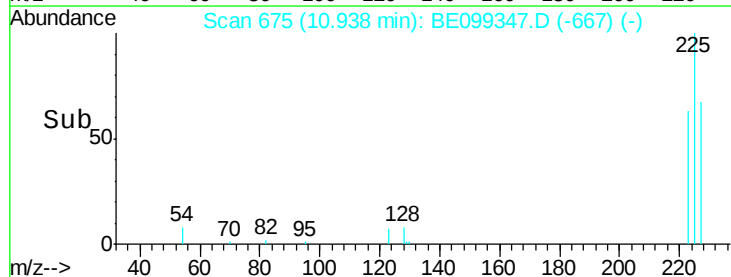
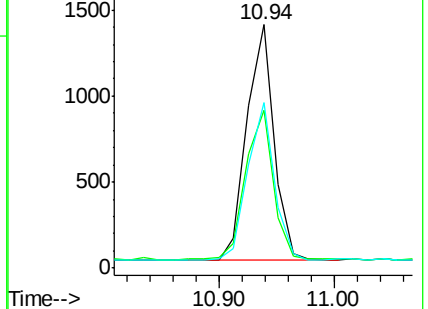
227 65.3 49.4 74.0

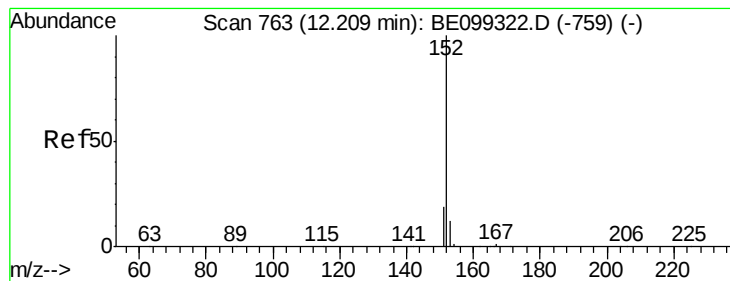


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.287 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

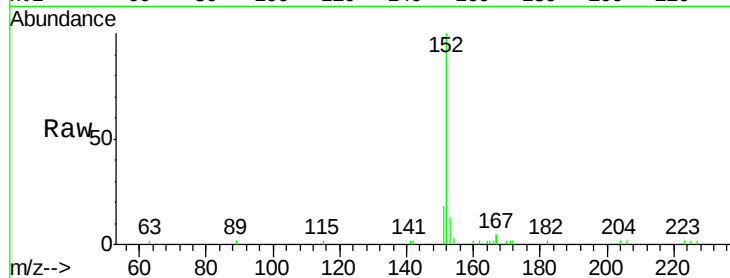
PB119051BS

Tgt Ion:152 Resp: 7615

Ion Ratio Lower Upper

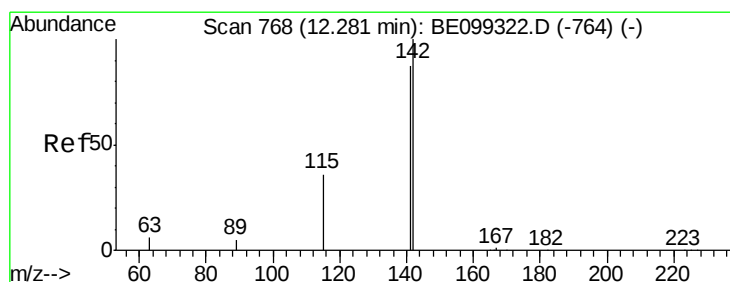
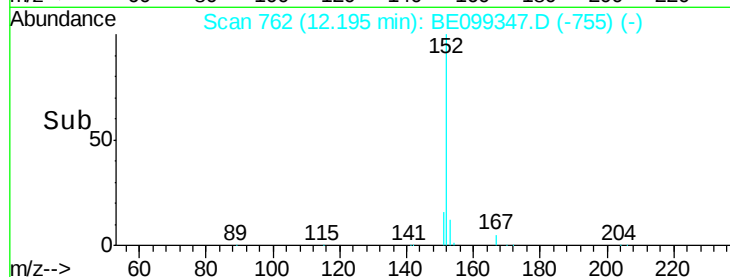
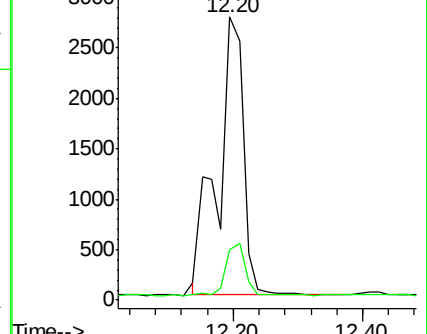
152 100

151 13.5 14.9 22.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.211 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

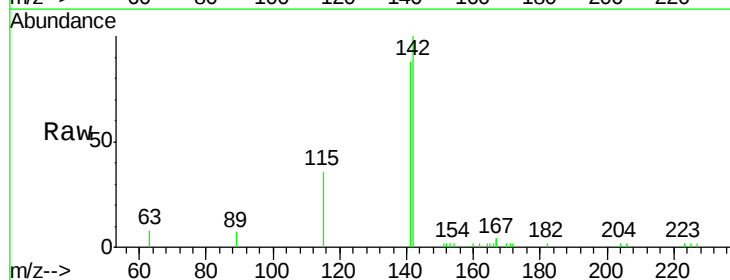
Tgt Ion:142 Resp: 5897

Ion Ratio Lower Upper

142 100

141 88.2 72.0 108.0

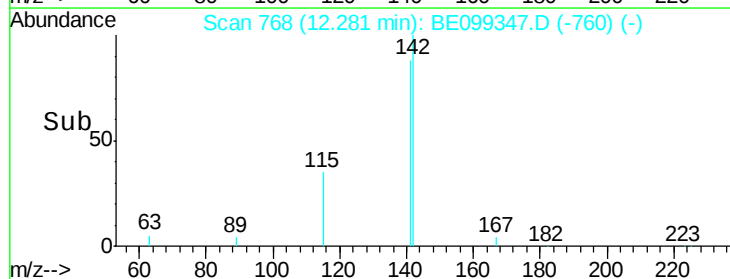
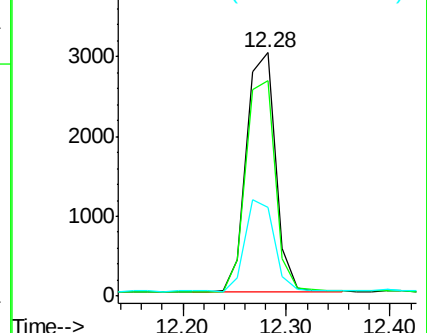
115 36.4 33.4 50.0

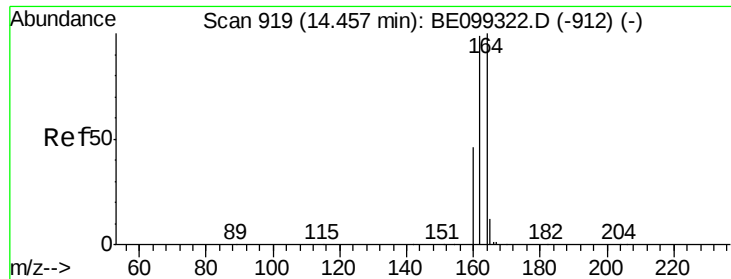


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.46 min Scan# 919

Delta R.T. 0.00 min

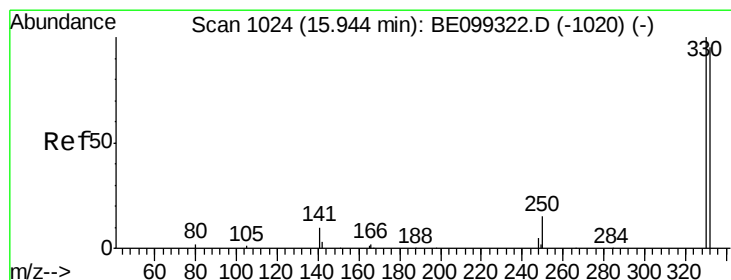
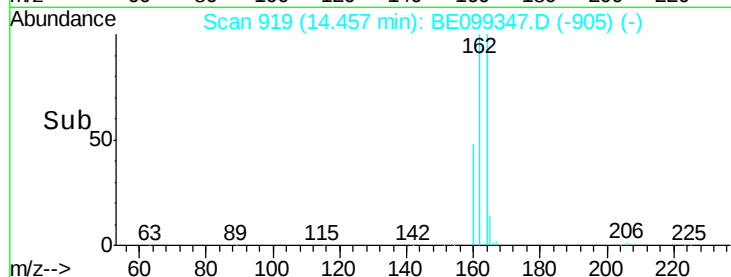
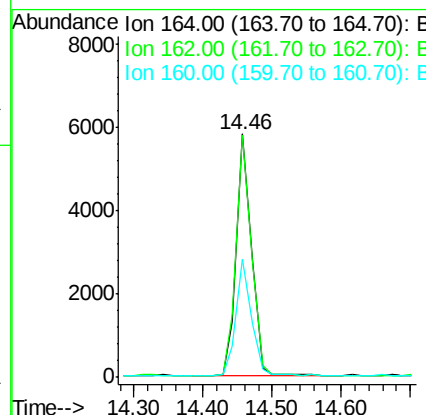
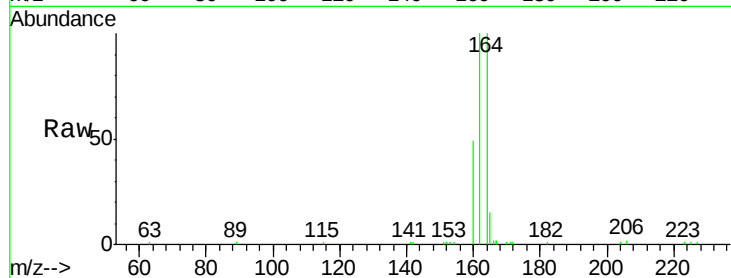
Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :
BNA_E
ClientSampleId :
PB119051BS

Tgt Ion:164 Resp: 8700

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.8	116.6
160	48.6	37.1	55.7



#14

2,4,6-Tribromophenol

Concen: 0.202 ng

RT: 15.94 min Scan# 1024

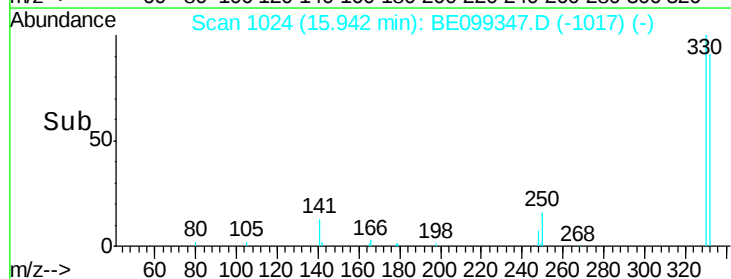
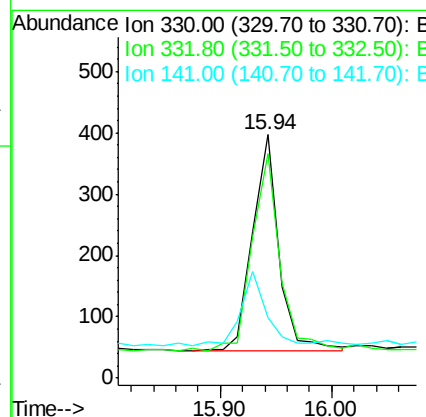
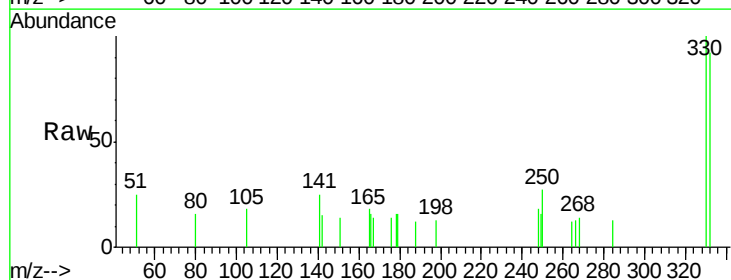
Delta R.T. -0.00 min

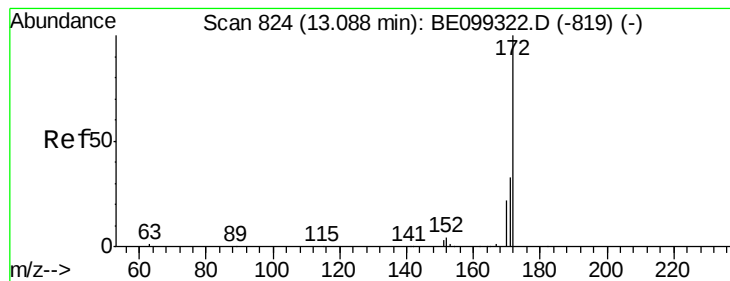
Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Tgt Ion:330 Resp: 583

Ion	Ratio	Lower	Upper
330	100		
332	96.2	82.5	123.7
141	32.9	24.9	37.3





#15

2-Fluorobiphenyl

Concen: 0.226 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

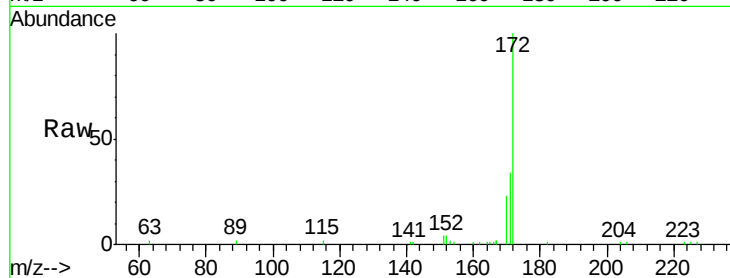
Tgt Ion:172 Resp: 7713

Ion Ratio Lower Upper

172 100

171 33.7 26.2 39.2

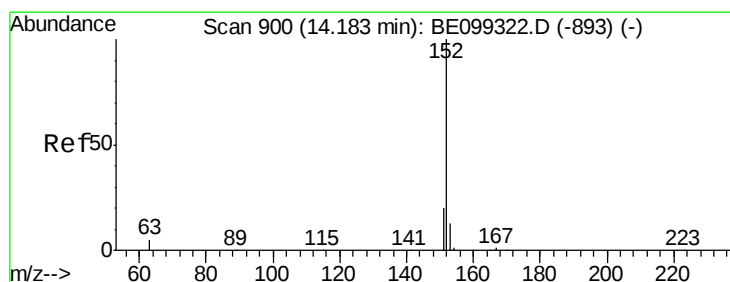
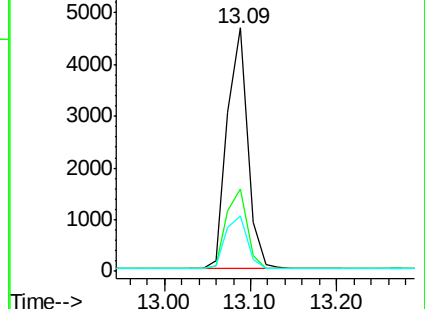
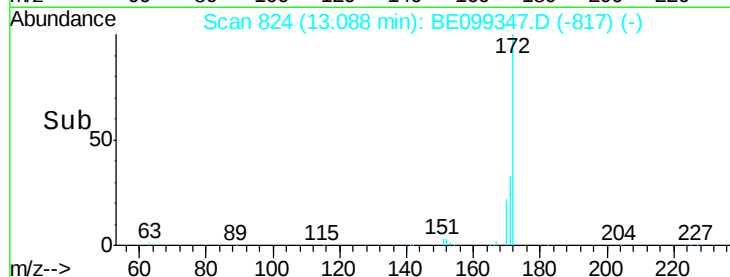
170 22.9 18.1 27.1



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: 0.214 ng

RT: 14.18 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

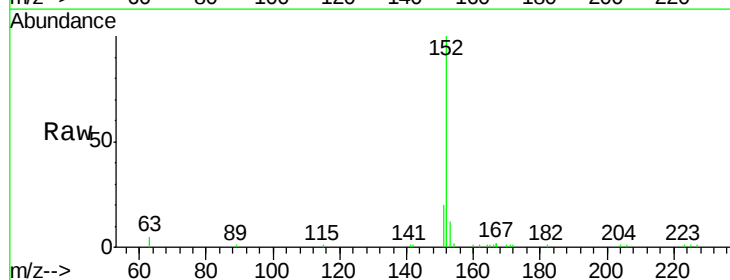
Tgt Ion:152 Resp: 8399

Ion Ratio Lower Upper

152 100

151 19.0 15.5 23.3

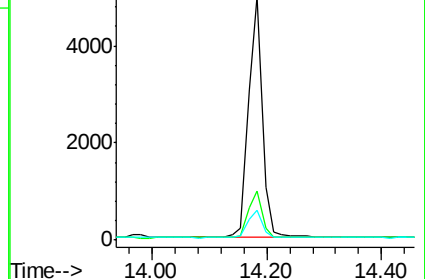
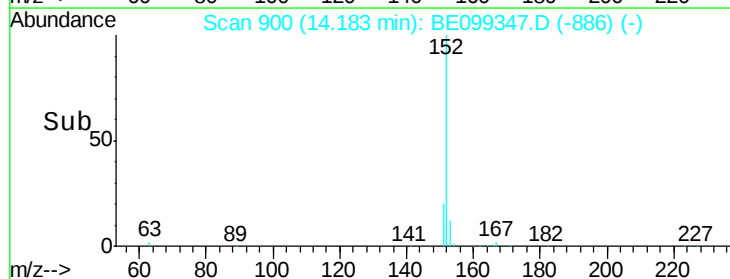
153 12.0 10.2 15.4

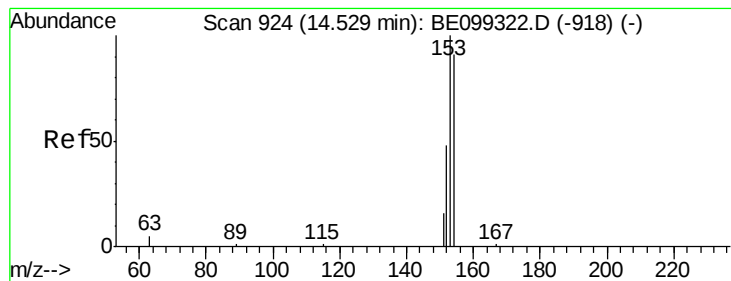


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.222 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

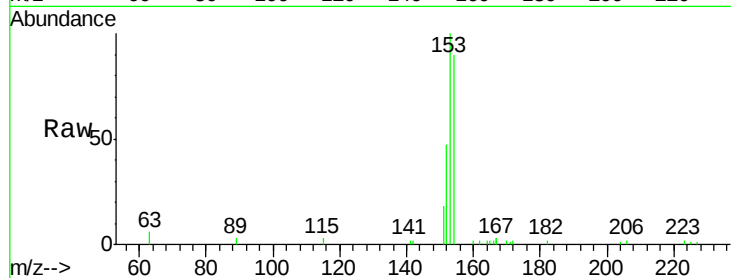
Tgt Ion:154 Resp: 5383

Ion Ratio Lower Upper

154 100

153 115.4 94.7 142.1

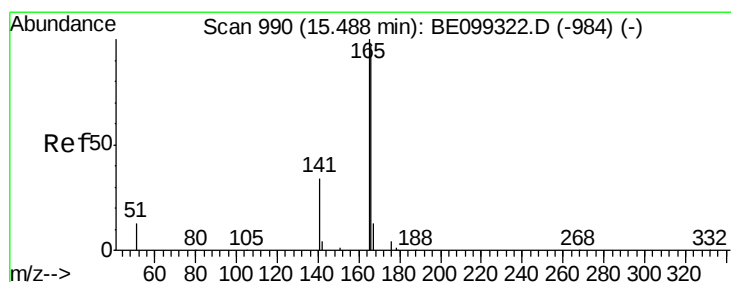
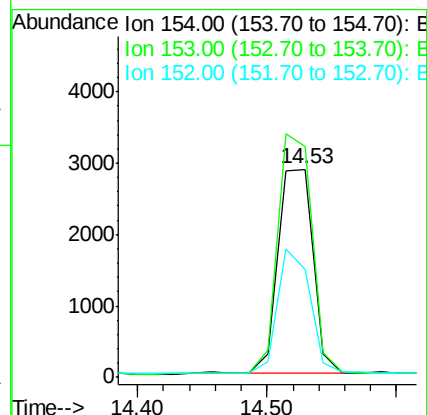
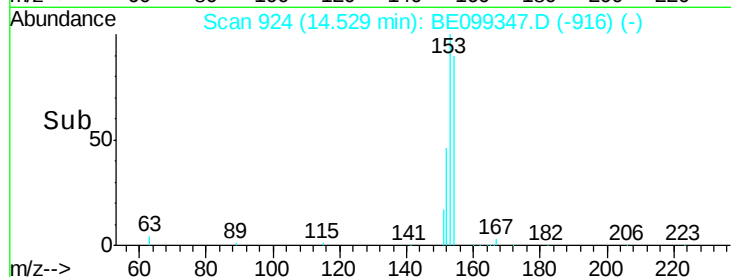
152 57.2 46.4 69.6



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: 0.209 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

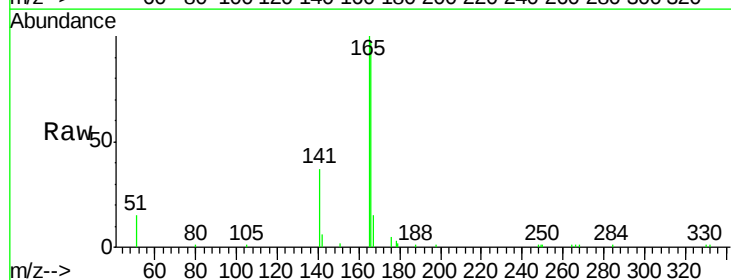
Tgt Ion:166 Resp: 7260

Ion Ratio Lower Upper

166 100

165 100.1 79.7 119.5

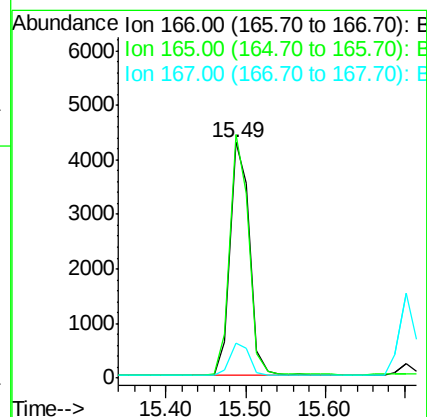
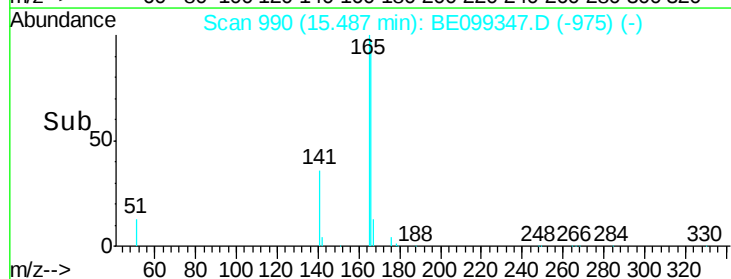
167 14.1 11.0 16.4

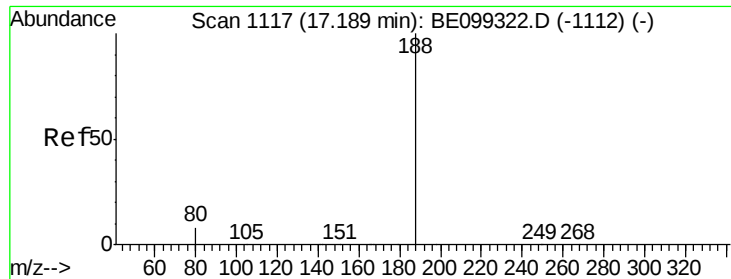


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

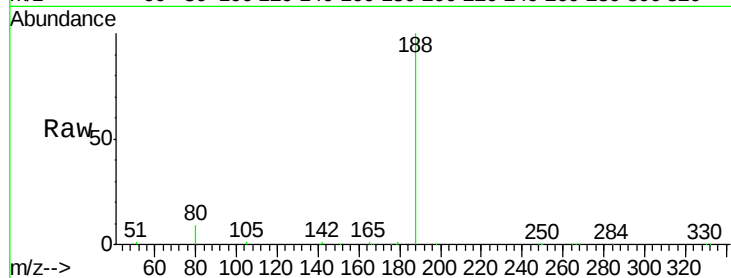
Tgt Ion:188 Resp: 23118

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

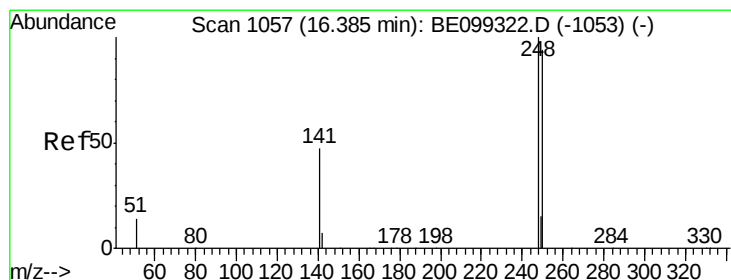
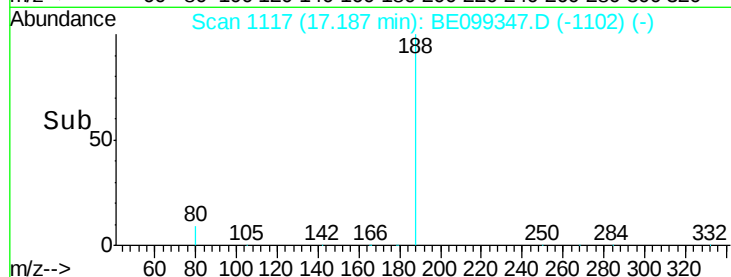
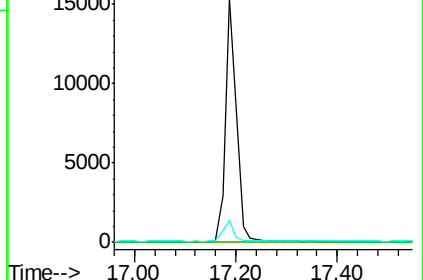
80 9.0 6.2 9.4



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: 0.226 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

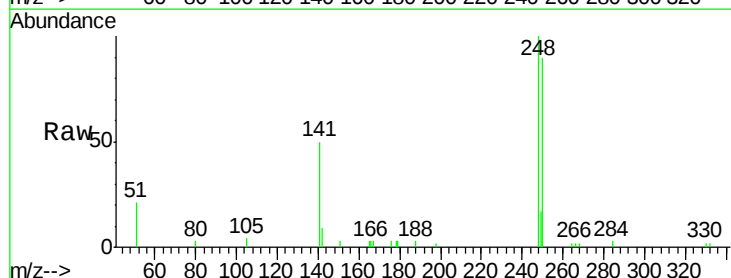
Tgt Ion:248 Resp: 2897

Ion Ratio Lower Upper

248 100

250 90.1 77.0 115.6

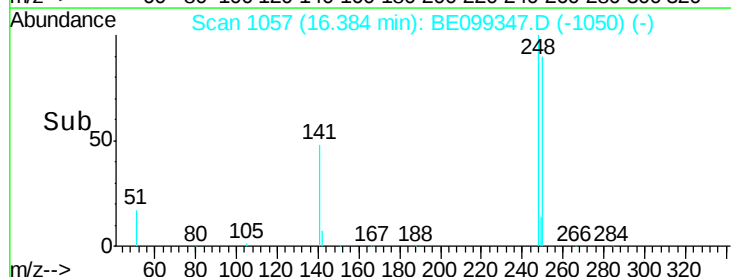
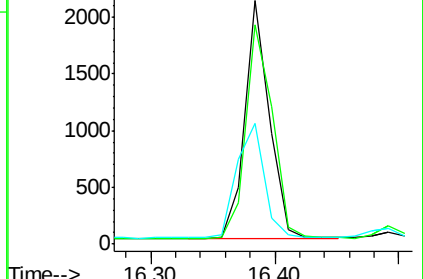
141 49.7 31.1 46.7#

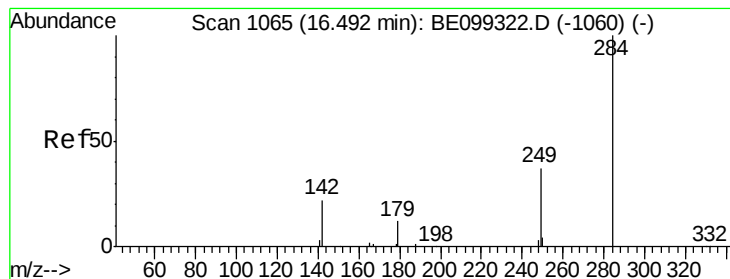


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.232 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

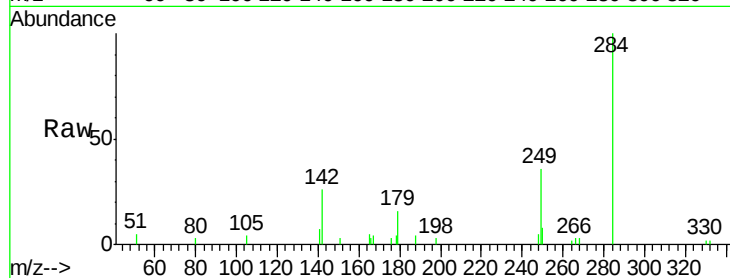
Tgt Ion:284 Resp: 2855

Ion Ratio Lower Upper

284 100

142 28.6 21.8 32.6

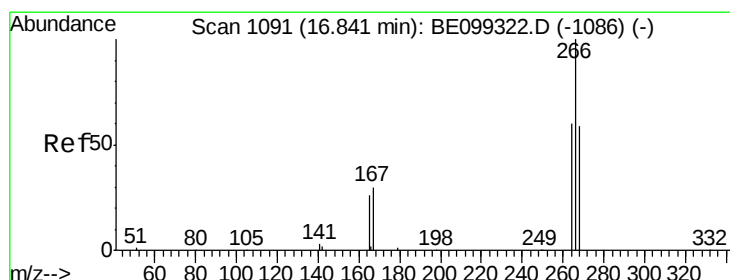
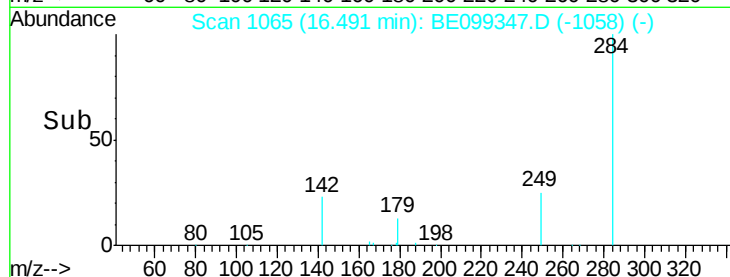
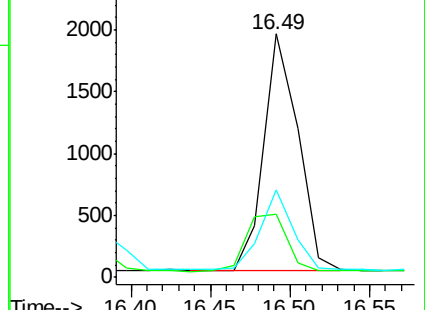
249 31.3 26.2 39.4



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: 0.567 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

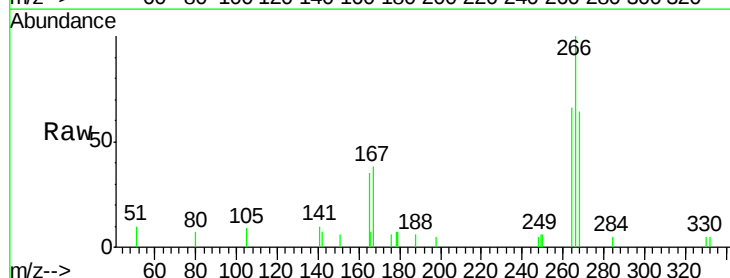
Tgt Ion:266 Resp: 1724

Ion Ratio Lower Upper

266 100

264 66.0 54.5 81.7

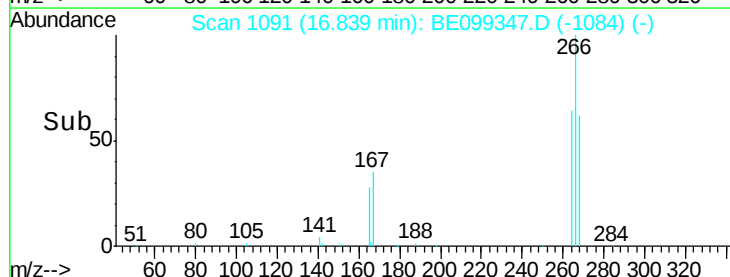
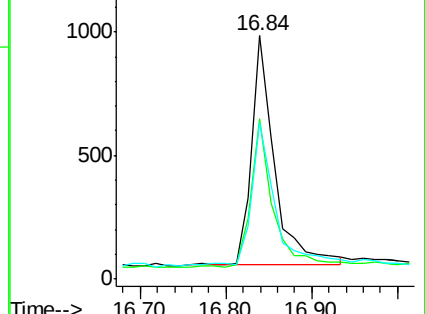
268 64.1 54.3 81.5

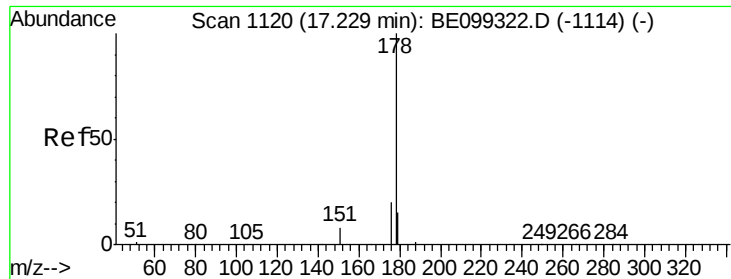


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.235 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

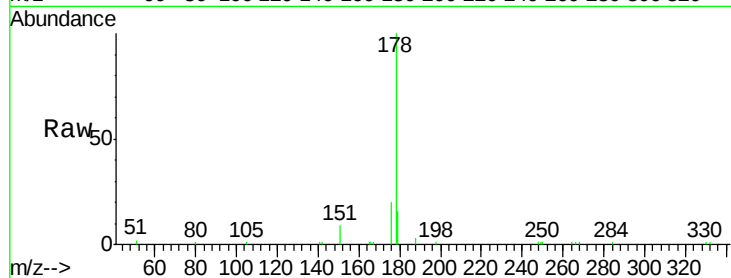
Tgt Ion:178 Resp: 14402

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

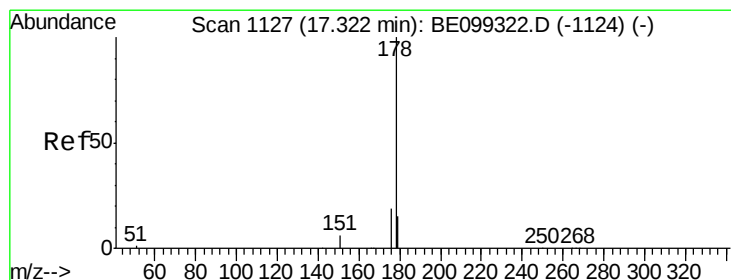
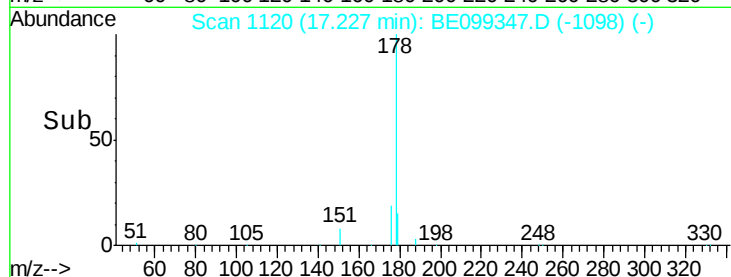
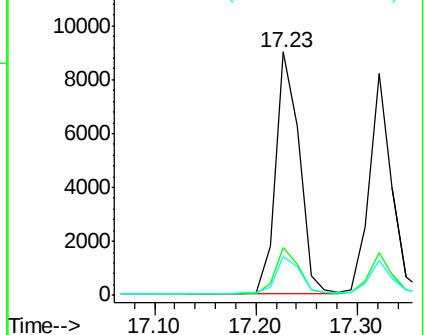
179 15.8 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.228 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

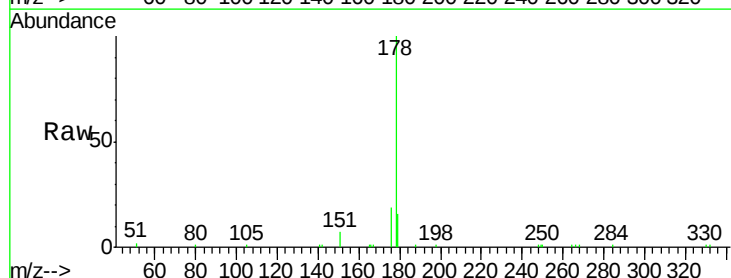
Tgt Ion:178 Resp: 12401

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

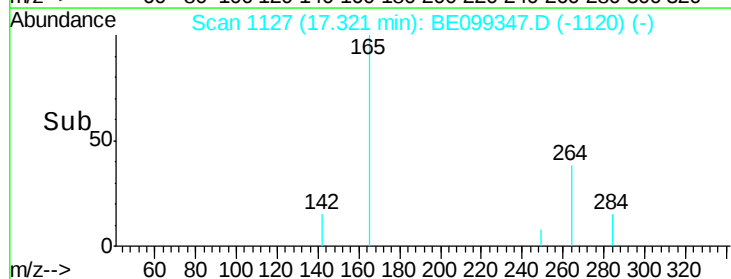
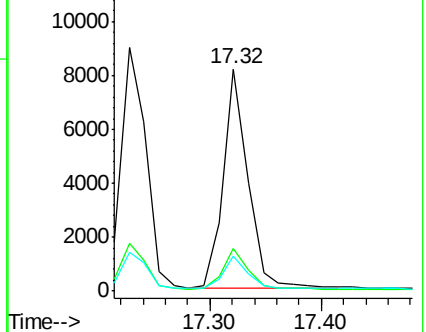
179 14.6 11.9 17.9

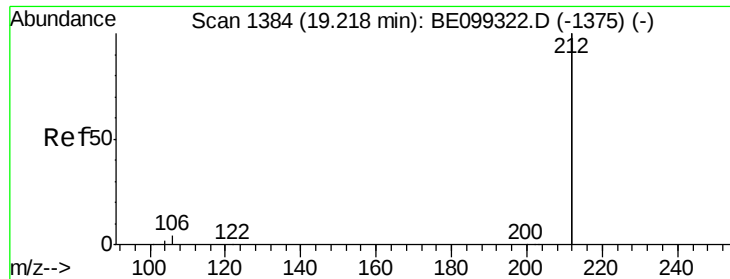


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

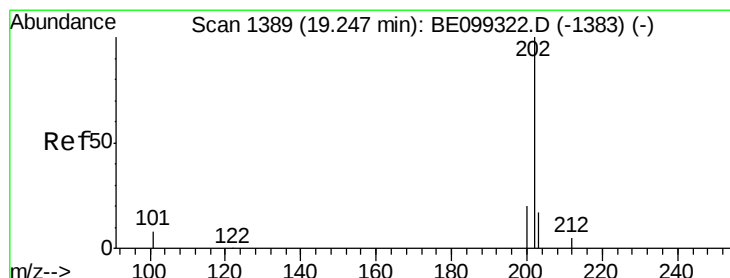
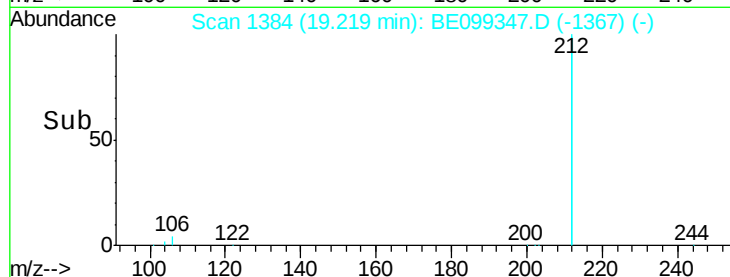
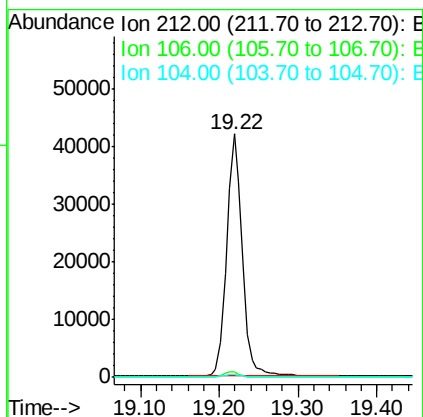
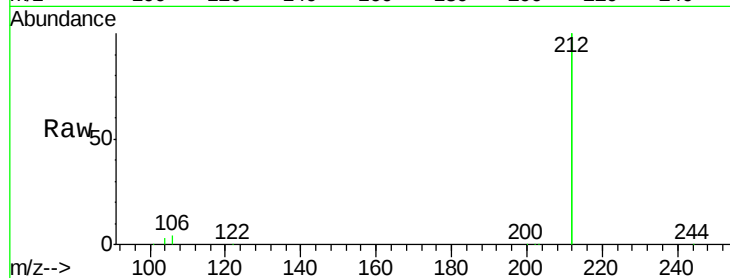




#25
 Fluoranthene-d10
 Concen: 0.209 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BE099347.D
 Acq: 19 Apr 2019 13:54

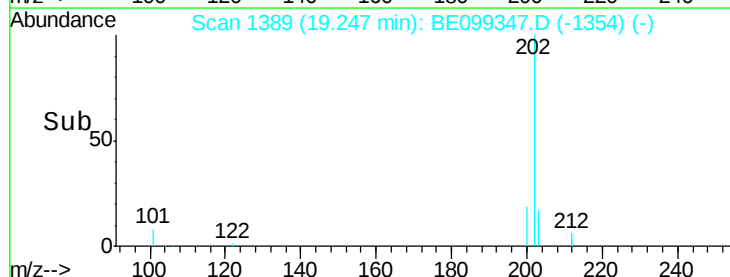
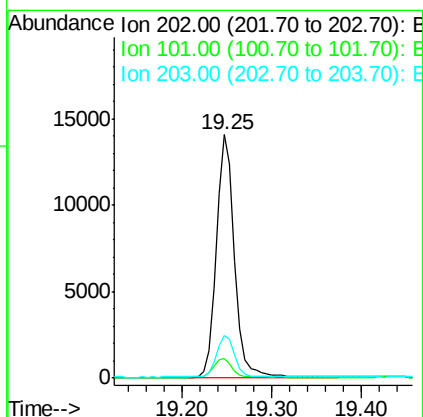
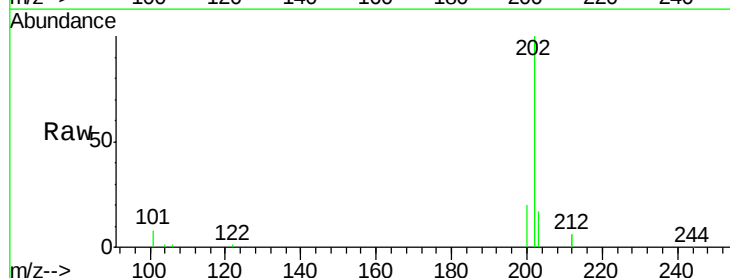
Instrument :
 BNA_E
 ClientSampled :
 PB119051BS

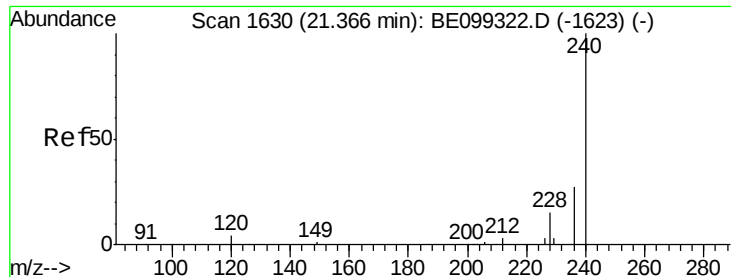
Tgt Ion: 212 Resp: 57995
 Ion Ratio Lower Upper
 212 100
 106 2.2 1.8 2.6
 104 1.3 1.0 1.4



#26
 Fluoranthene
 Concen: 0.238 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BE099347.D
 Acq: 19 Apr 2019 13:54

Tgt Ion: 202 Resp: 19483
 Ion Ratio Lower Upper
 202 100
 101 8.1 6.4 9.6
 203 17.9 13.5 20.3

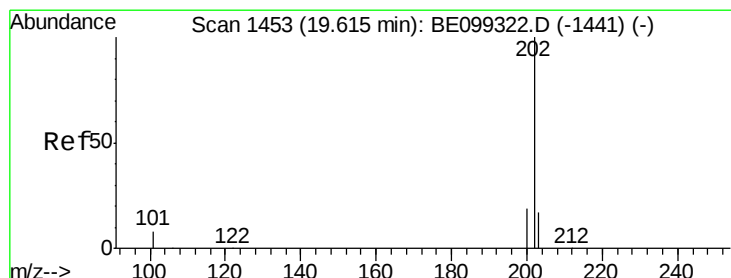
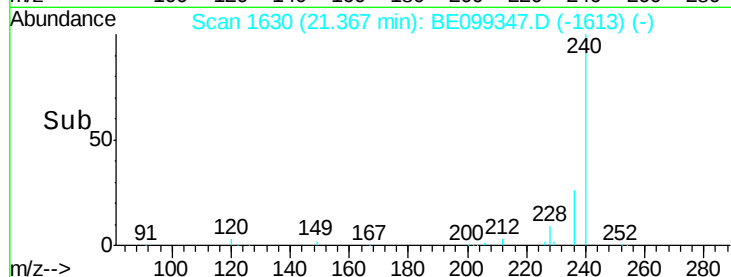
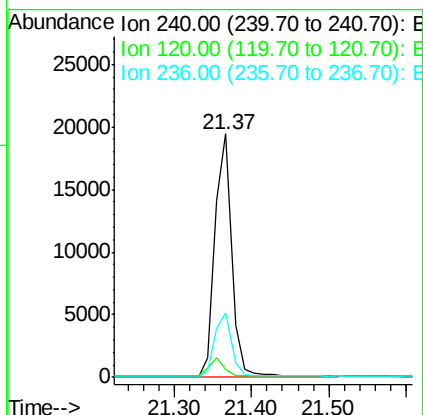
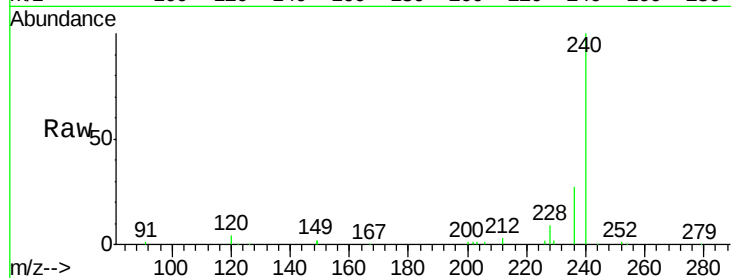




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099347.D
 Acq: 19 Apr 2019 13:54

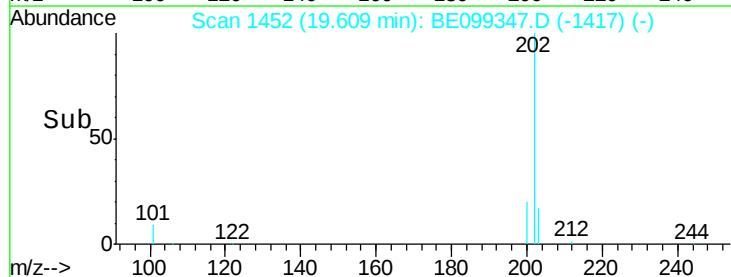
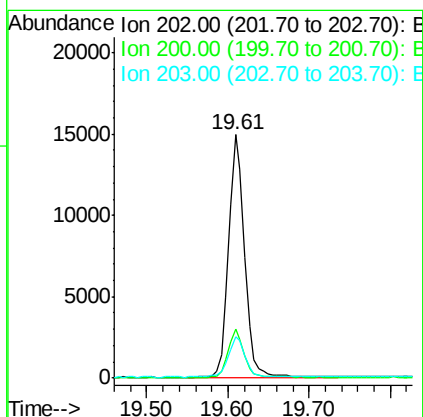
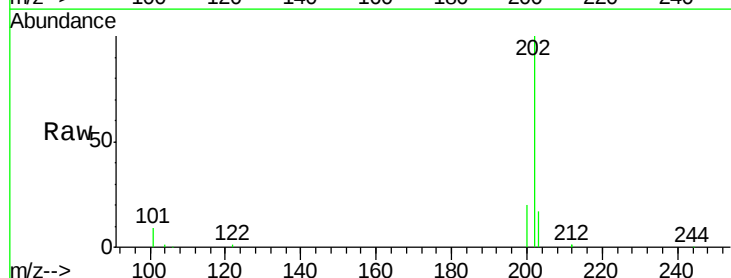
Instrument :
 BNA_E
 ClientSampleId :
 PB119051BS

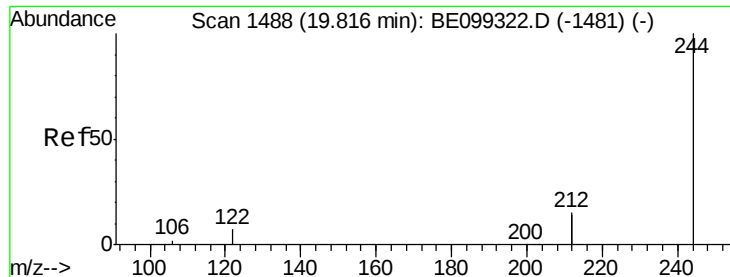
Tgt Ion:240 Resp: 29647
 Ion Ratio Lower Upper
 240 100
 120 3.6 2.2 3.2#
 236 26.6 20.2 30.4



#28
 Pyrene
 Concen: 0.232 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BE099347.D
 Acq: 19 Apr 2019 13:54

Tgt Ion:202 Resp: 20304
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.7 23.5
 203 17.4 13.7 20.5





#29

Terphenyl-d14

Concen: 0.179 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

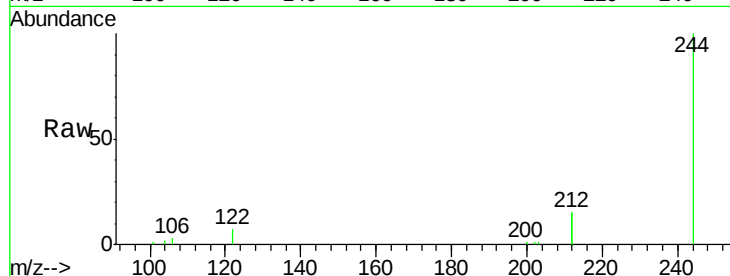
Tgt Ion:244 Resp: 10426

Ion Ratio Lower Upper

244 100

212 30.9 22.6 33.8

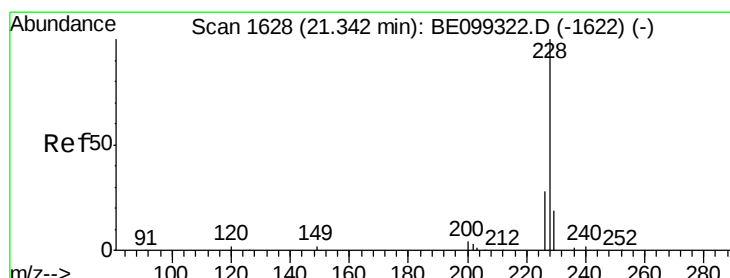
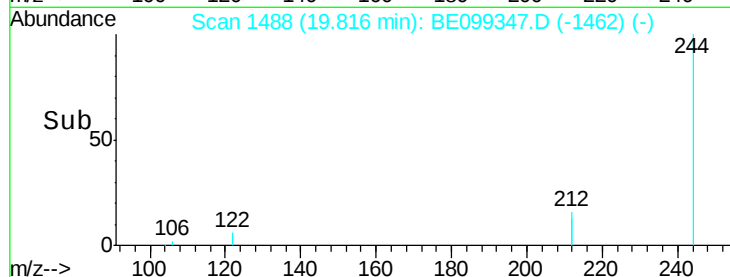
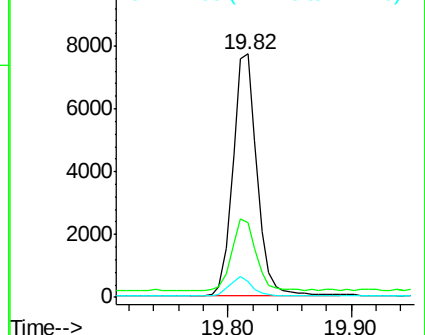
122 6.7 4.6 7.0



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: 0.287 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

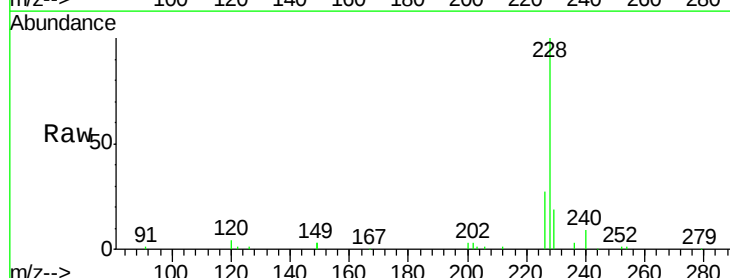
Tgt Ion:228 Resp: 25006

Ion Ratio Lower Upper

228 100

226 26.5 22.0 33.0

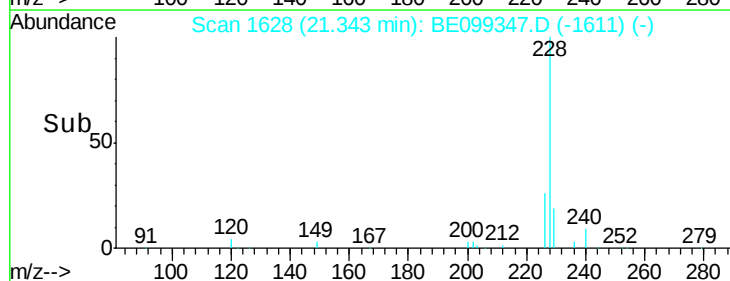
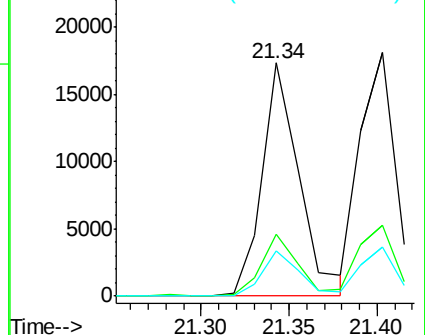
229 19.5 15.8 23.8

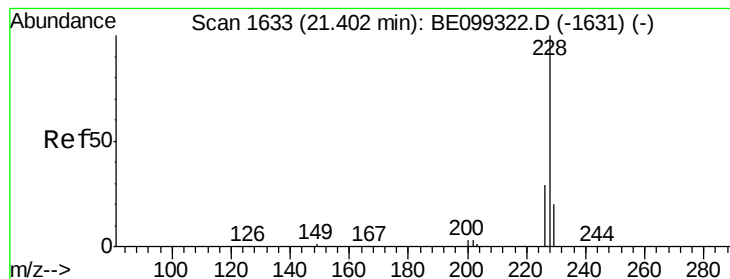


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.272 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

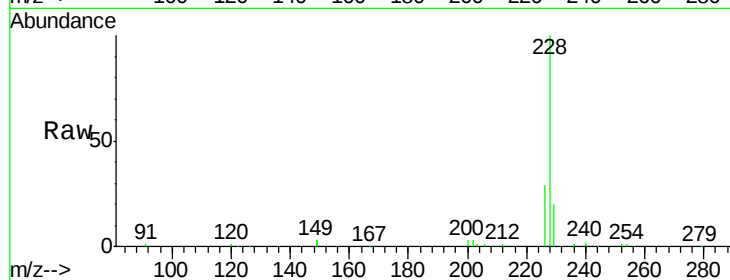
Tgt Ion:228 Resp: 25228

Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.2

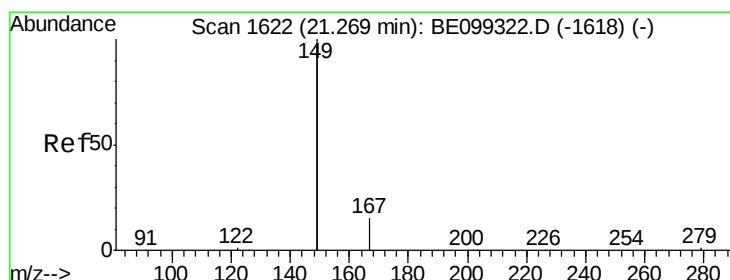
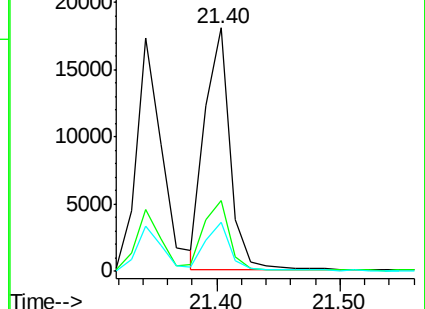
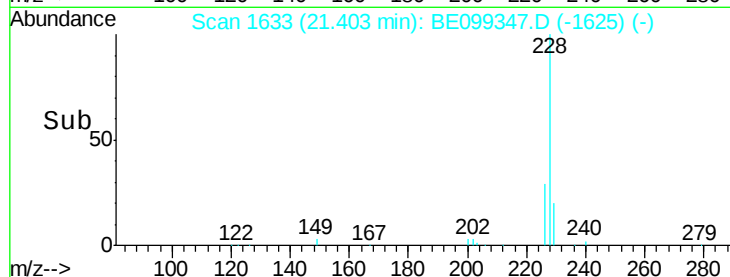
229 20.2 16.2 24.2



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: 0.257 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

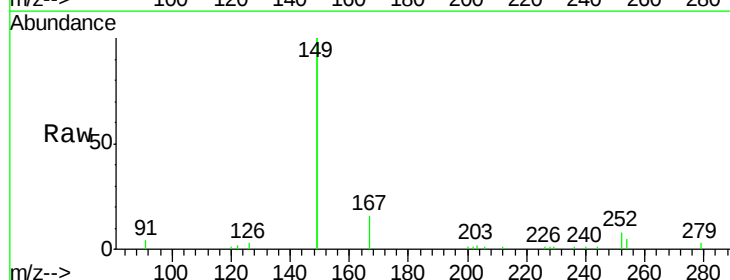
Tgt Ion:149 Resp: 20367

Ion Ratio Lower Upper

149 100

167 7.2 6.0 9.0

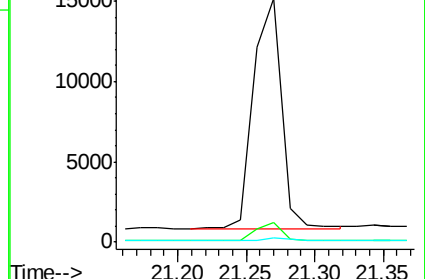
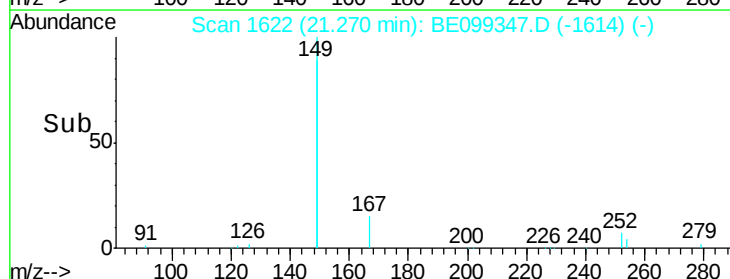
279 1.3 1.1 1.7

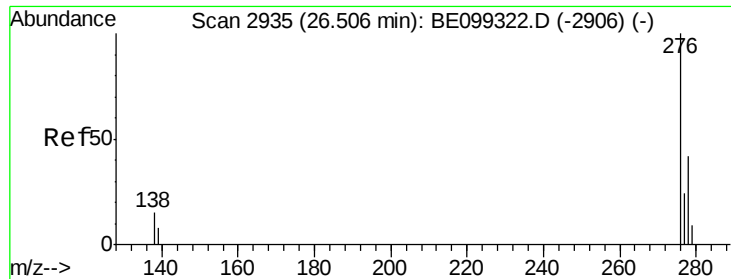


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.315 ng

RT: 26.50 min Scan# 2933

Delta R.T. 0.01 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

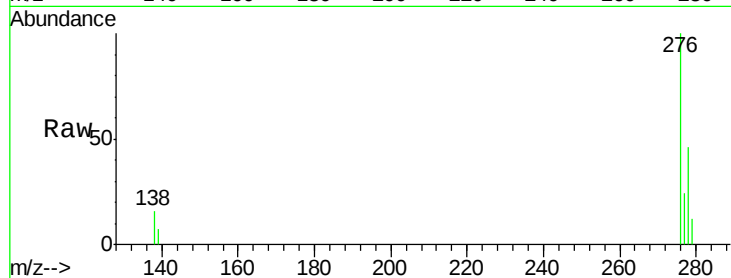
Tgt Ion:276 Resp: 28815

Ion Ratio Lower Upper

276 100

138 16.8 12.7 19.1

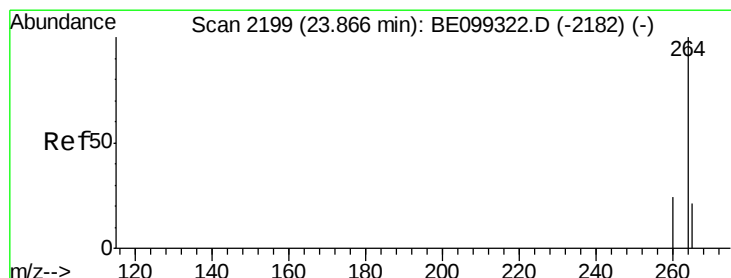
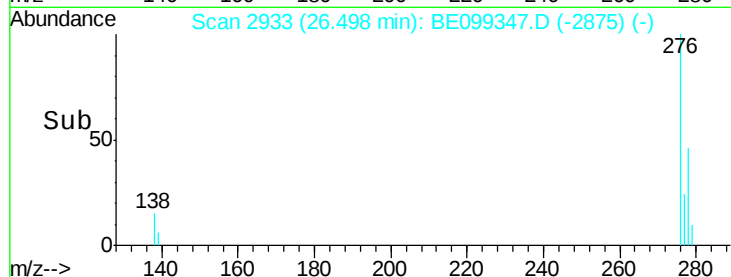
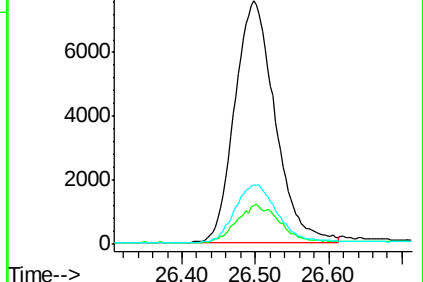
277 24.9 19.6 29.4



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: 23.86 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

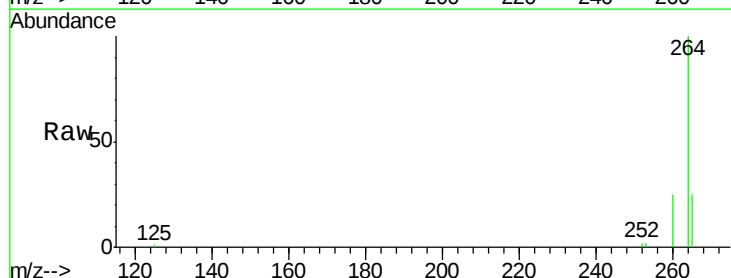
Tgt Ion:264 Resp: 33642

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

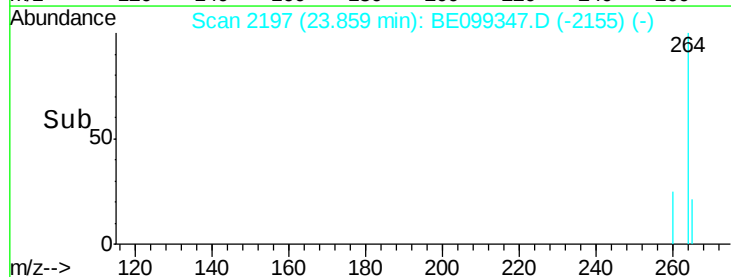
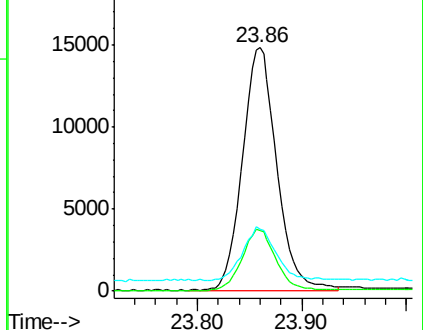
265 25.5 19.9 29.9

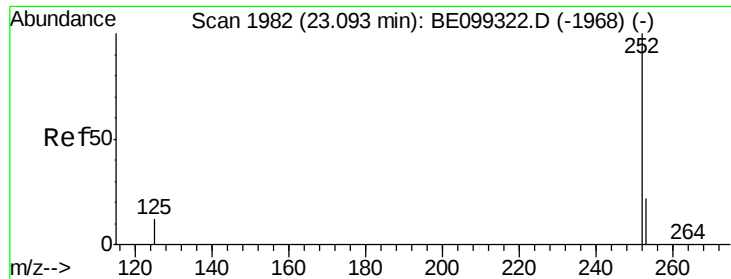


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.249 ng

RT: 23.09 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

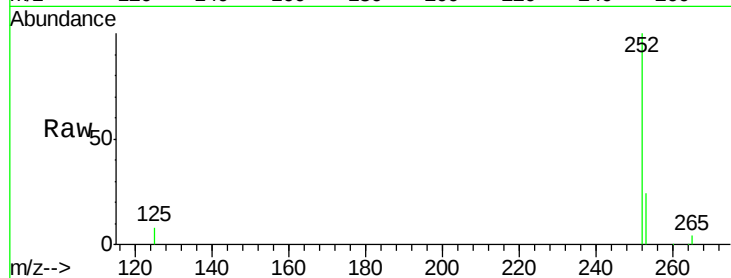
Tgt Ion:252 Resp: 25597

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

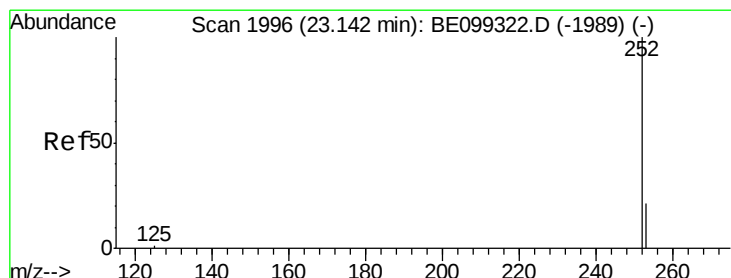
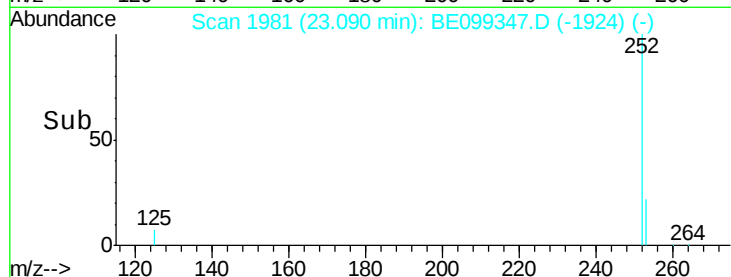
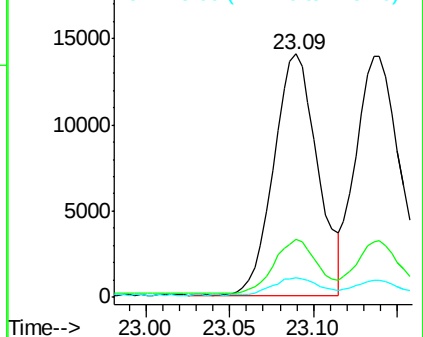
125 8.0 5.8 8.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.250 ng

RT: 23.14 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

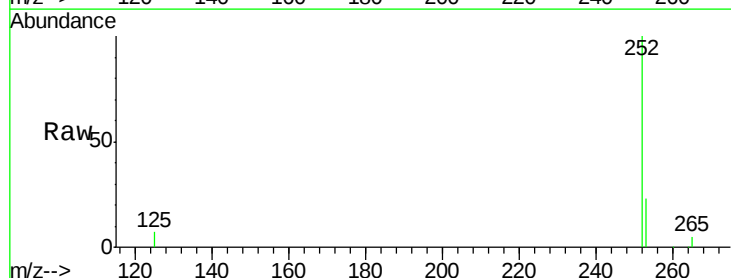
Tgt Ion:252 Resp: 25637

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

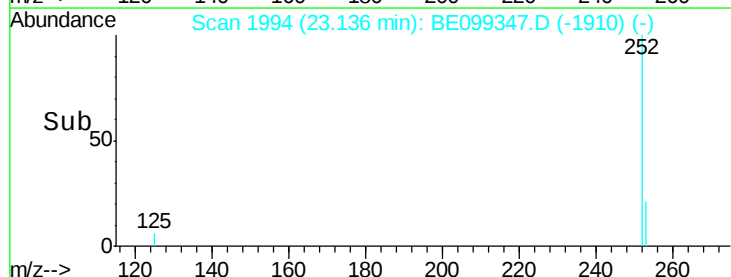
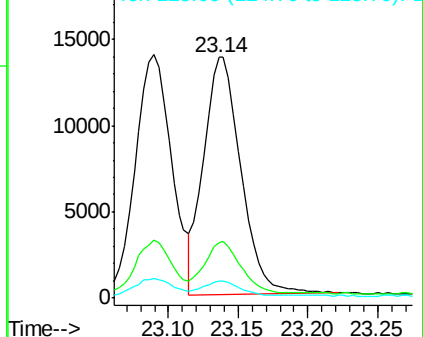
125 7.3 5.4 8.0

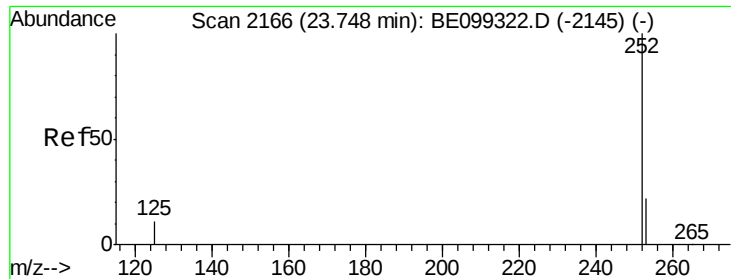


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.260 ng

RT: 23.75 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS

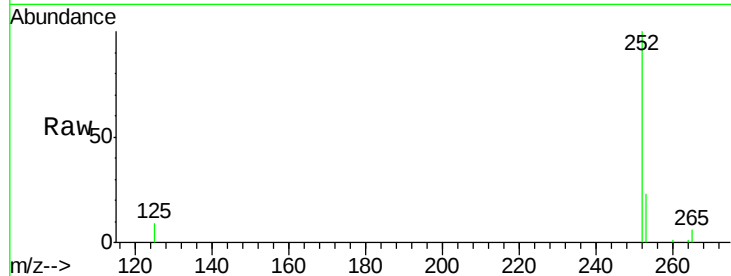
Tgt Ion:252 Resp: 23966

Ion Ratio Lower Upper

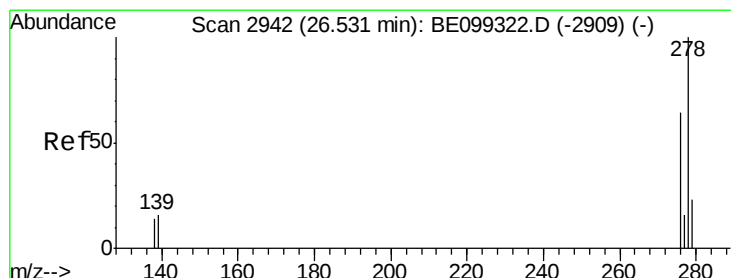
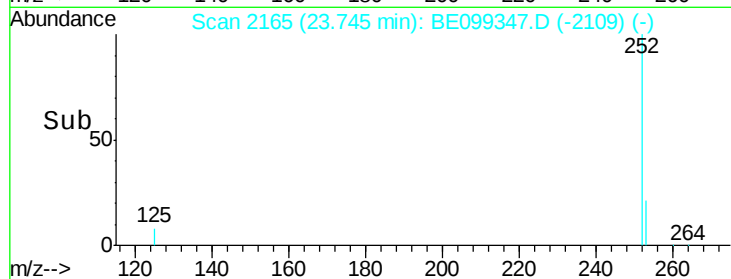
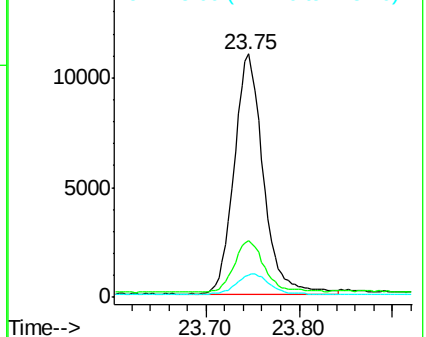
252 100

253 23.5 17.6 26.4

125 8.9 6.5 9.7



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: 0.256 ng

RT: 26.52 min Scan# 2940

Delta R.T. 0.00 min

Lab File: BE099347.D

Acq: 19 Apr 2019 13:54

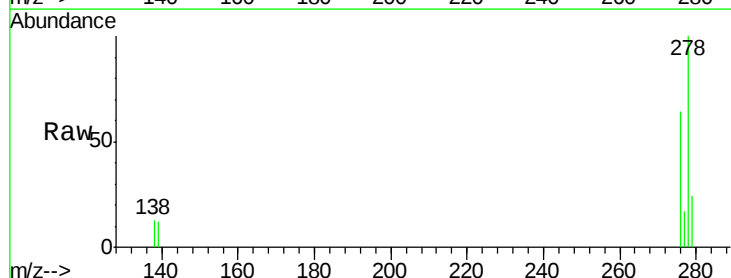
Tgt Ion:278 Resp: 24123

Ion Ratio Lower Upper

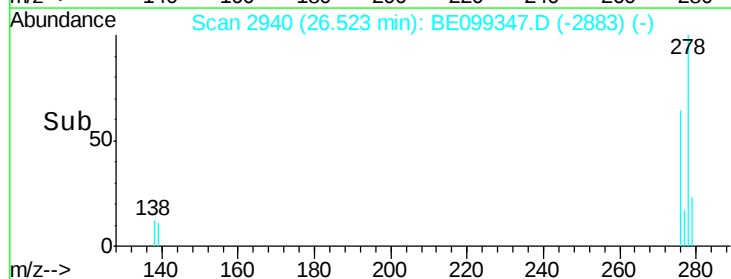
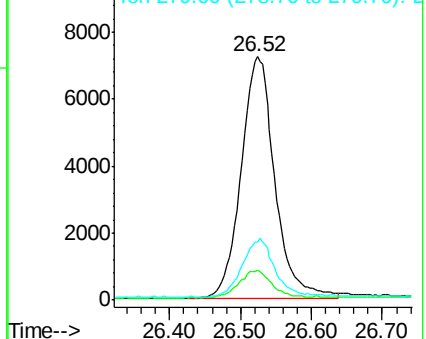
278 100

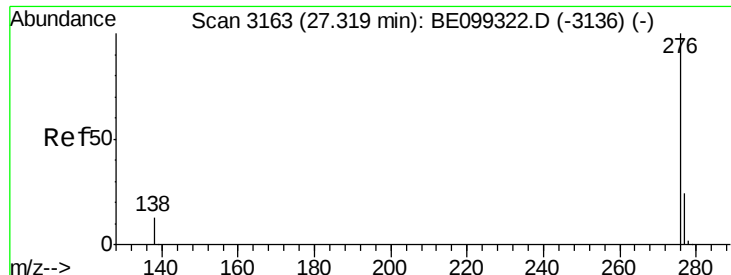
139 12.2 8.5 12.7

279 24.0 19.8 29.8



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(g,h,i)perylene

Concen: 0.262 ng

RT: 27.31 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BE099347.D

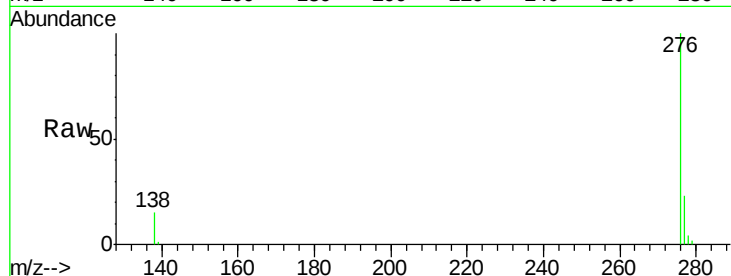
Acq: 19 Apr 2019 13:54

Instrument :

BNA_E

ClientSampleId :

PB119051BS



Tgt Ion: 276 Resp: 25013

Ion Ratio Lower Upper

276 100

277 23.0 20.0 30.0

138 14.9 11.1 16.7

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

