

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041919\
 Data File : BE099348.D
 Acq On : 19 Apr 2019 14:33
 Operator : JU/SJ
 Sample : PB119051BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119051BSD

Quant Time: Apr 19 22:57:34 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	4735	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15897	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	9348	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23572	0.40	ng	0.00
27) Chrysene-d12	21.37	240	28960	0.40	ng	0.00
34) Perylene-d12	23.86	264	33782	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	2887	0.25	ng	0.01
5) Phenol-d6	6.98	99	3680	0.22	ng	0.00
8) Nitrobenzene-d5	8.98	82	3057	0.25	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	8955	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	675	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	9327	0.25	ng	0.00
25) Fluoranthene-d10	19.22	212	64778	0.23	ng	0.00
29) Terphenyl-d14	19.82	244	11505	0.20	ng	0.00

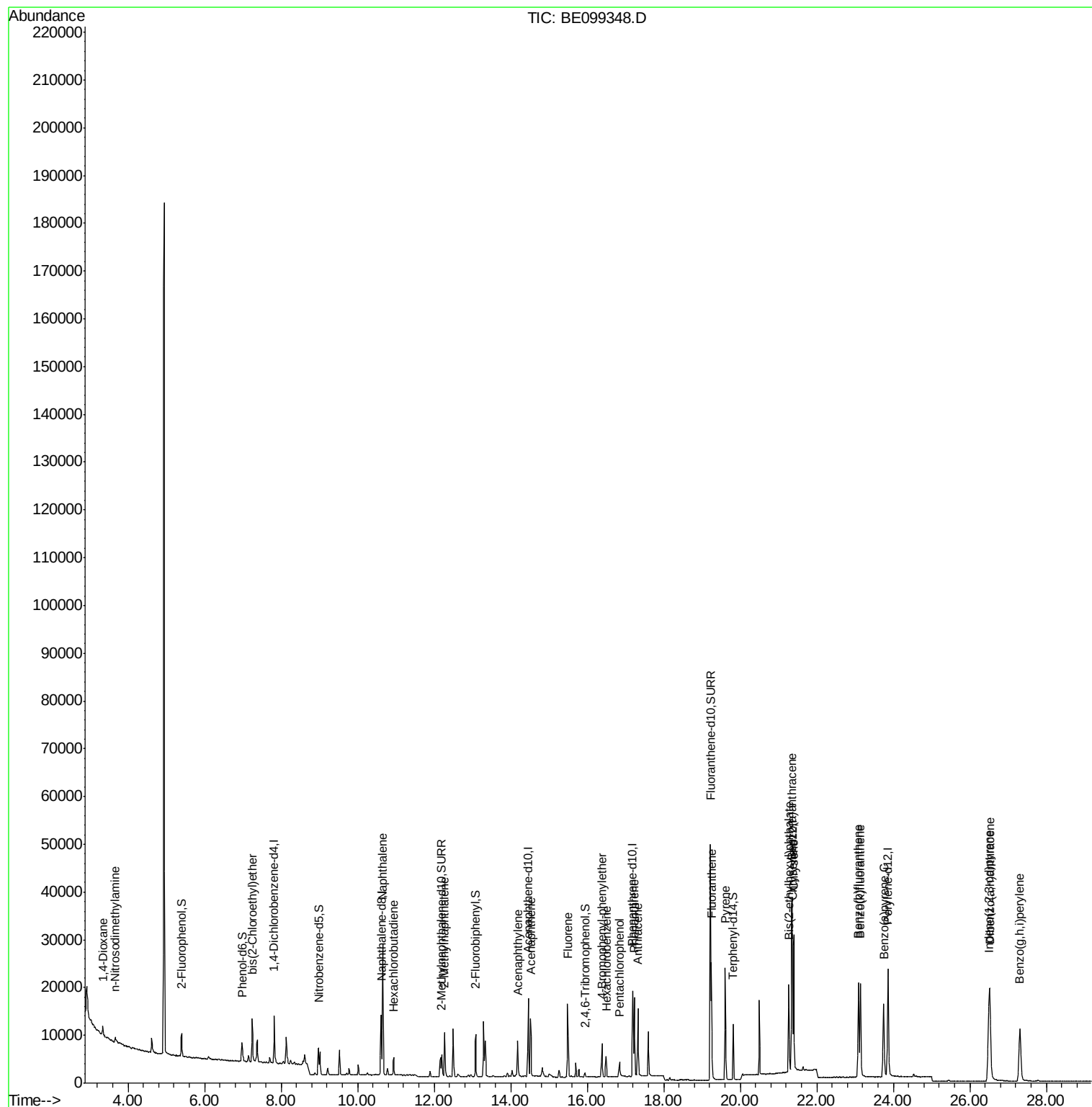
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.34	88	1337	0.202	ng	# 78
3) n-Nitrosodimethylamine	3.66	42	697	0.195	ng	# 81
6) bis(2-Chloroethyl)ether	7.24	93	3511	0.228	ng	89
9) Naphthalene	10.65	128	44052	0.254	ng	100
10) Hexachlorobutadiene	10.94	225	2769	0.251	ng	100
12) 2-Methylnaphthalene	12.27	142	7225	0.245	ng	100
16) Acenaphthylene	14.18	152	9946	0.235	ng	99
17) Acenaphthene	14.52	154	6456	0.248	ng	98
18) Fluorene	15.49	166	9029	0.241	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	3460	0.265	ng	96
21) Hexachlorobenzene	16.49	284	3431	0.273	ng	98
22) Pentachlorophenol	16.84	266	1978	0.610	ng	95
23) Phenanthrene	17.23	178	16549	0.265	ng	99
24) Anthracene	17.32	178	14558	0.262	ng	100
26) Fluoranthene	19.25	202	21926	0.262	ng	99
28) Pyrene	19.61	202	22770	0.267	ng	99
30) Benzo(a)anthracene	21.34	228	26961	0.317	ng	99
31) Chrysene	21.40	228	29227	0.323	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	22080	0.285	ng	100
33) Indeno(1,2,3-cd)pyrene	26.49	276	33337	0.373	ng	100
35) Benzo(b)fluoranthene	23.08	252	28921	0.280	ng	97
36) Benzo(k)fluoranthene	23.14	252	30022	0.291	ng	100
37) Benzo(a)pyrene	23.74	252	27172	0.293	ng	98
38) Dibenzo(a,h)anthracene	26.52	278	27950	0.295	ng	99
39) Benzo(g,h,i)perylene	27.31	276	28520	0.297	ng	98

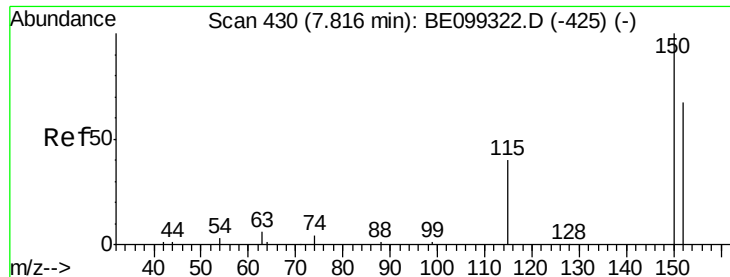
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

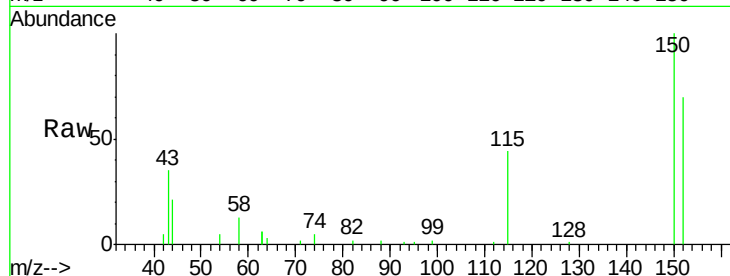
Tgt Ion:152 Resp: 4735

Ion Ratio Lower Upper

152 100

150 142.1 119.5 179.3

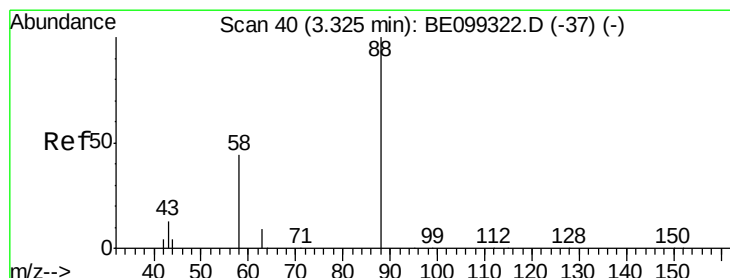
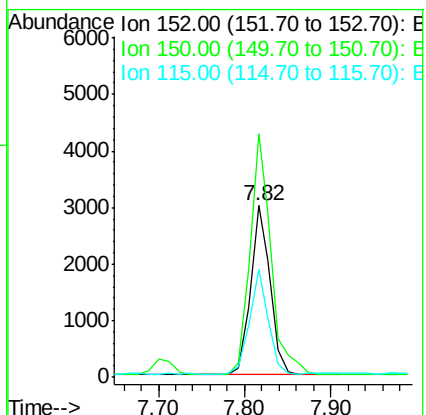
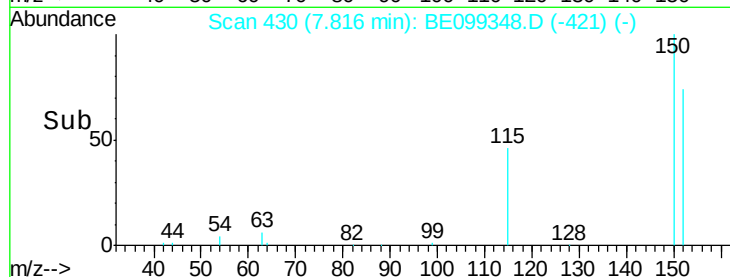
115 63.2 47.5 71.3



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: 0.202 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.01 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

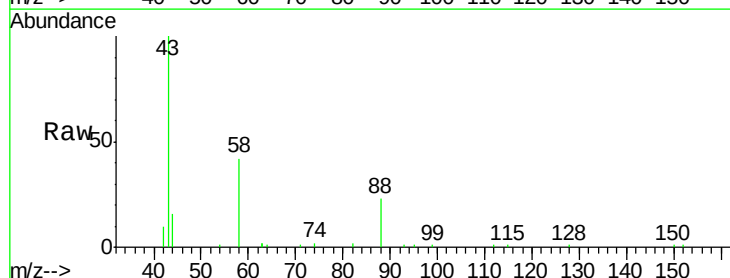
Tgt Ion: 88 Resp: 1337

Ion Ratio Lower Upper

88 100

58 71.1 49.1 73.7

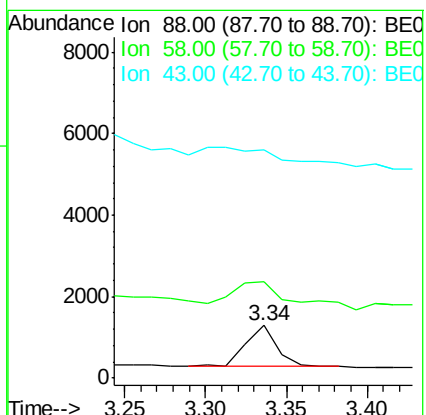
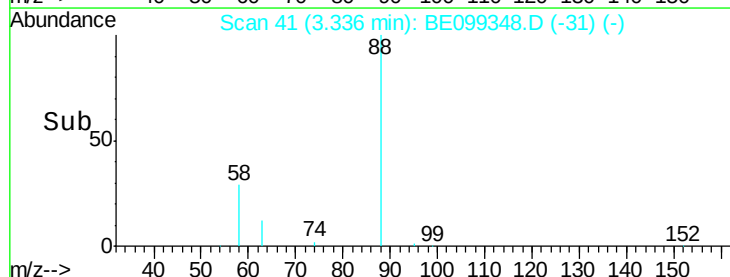
43 0.0 17.9 26.9

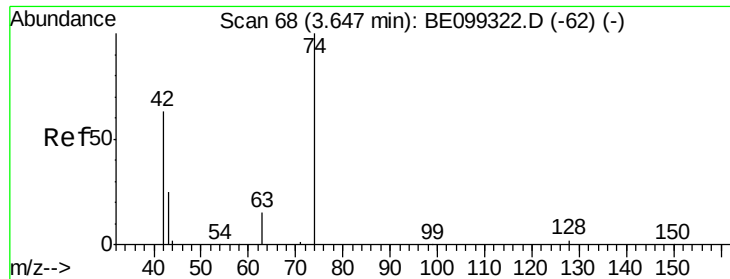


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.195 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

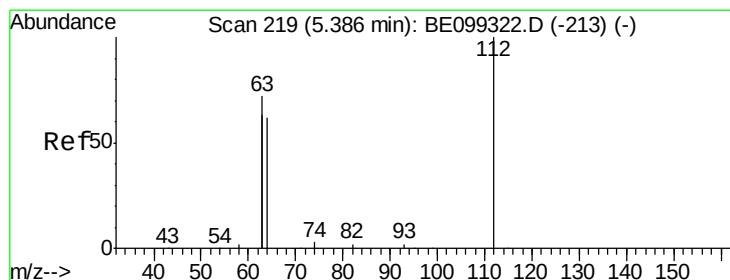
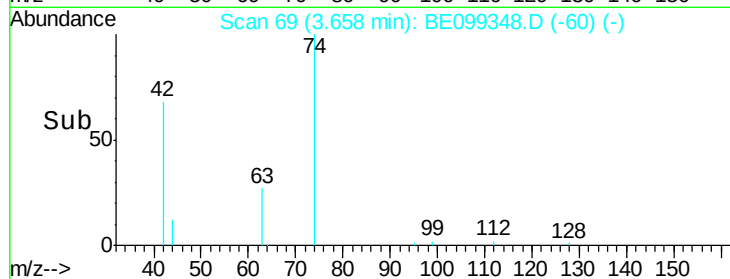
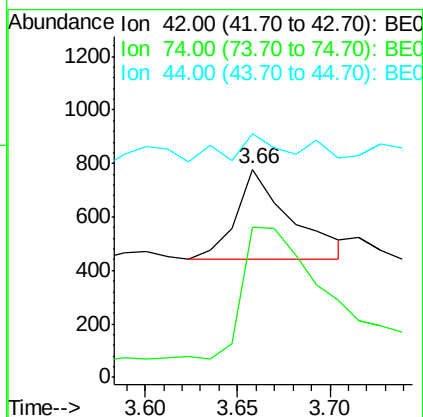
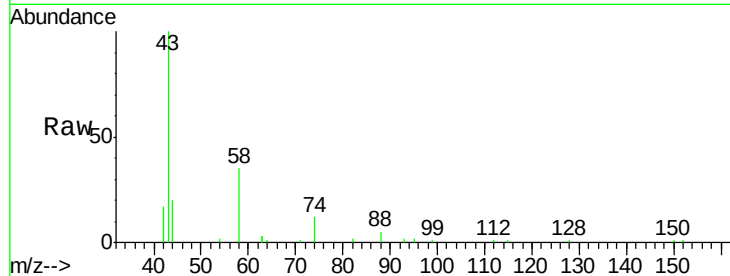
Instrument :

BNA_E

ClientSampleId :

PB119051BSD

Tgt Ion:	42	Resp:	697
Ion	Ratio	Lower	Upper
42	100		
74	208.3	145.8	218.8
44	25.8	9.0	13.4#



#4

2-Fluorophenol

Concen: 0.250 ng

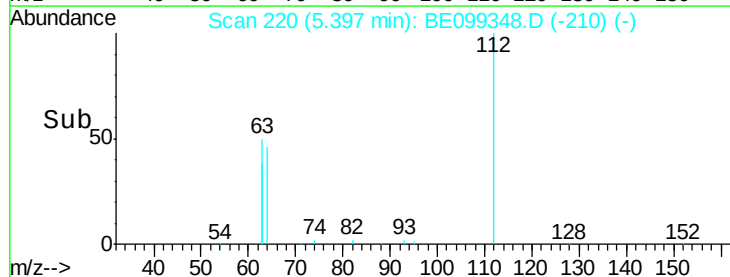
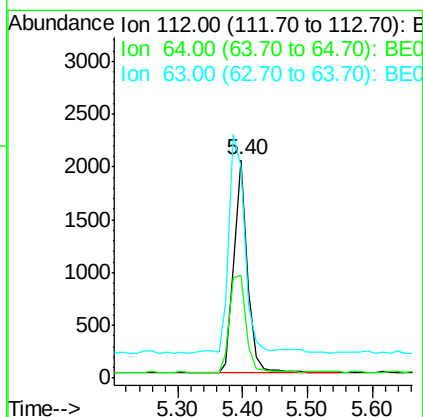
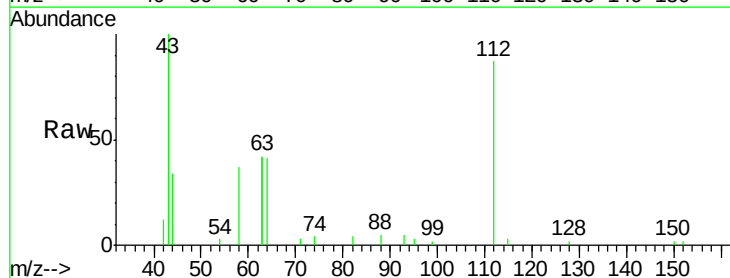
RT: 5.40 min Scan# 220

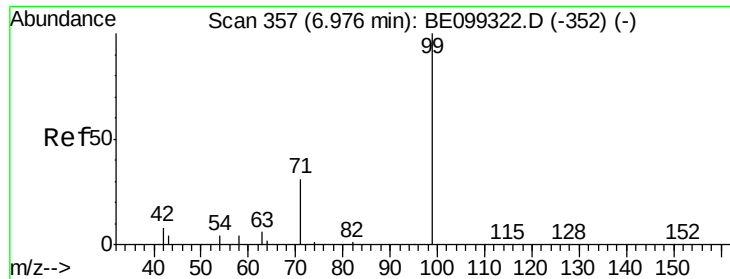
Delta R.T. 0.01 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Tgt Ion:	112	Resp:	2887
Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.9	67.3
63	124.7	97.4	146.0





#5

Phenol-d6

Concen: 0.223 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

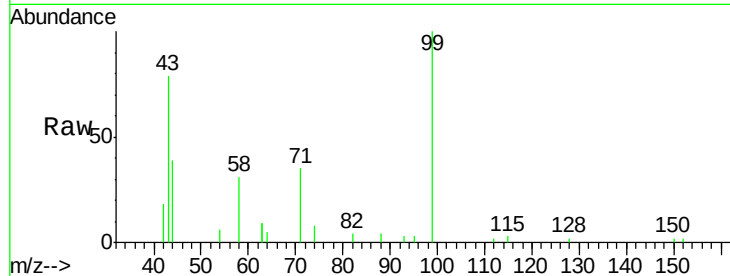
Tgt Ion: 99 Resp: 3680

Ion Ratio Lower Upper

99 100

42 14.8 11.7 17.5

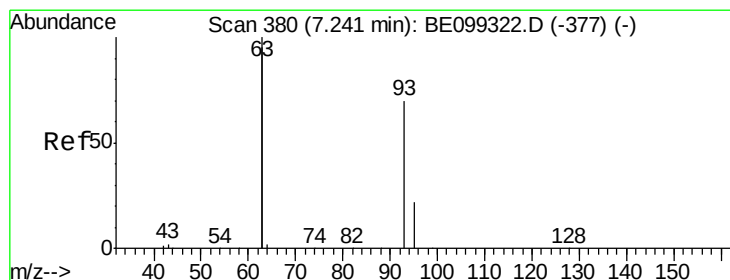
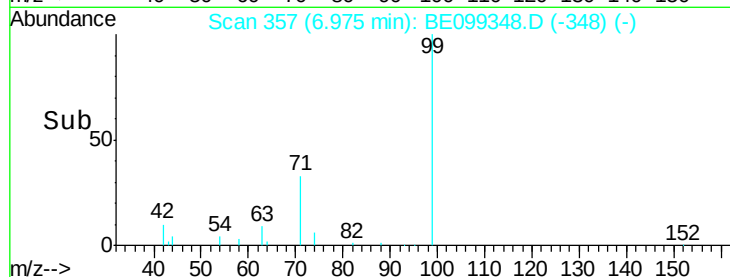
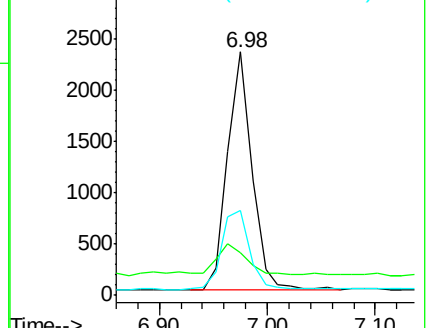
71 38.0 29.6 44.4



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: 0.228 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

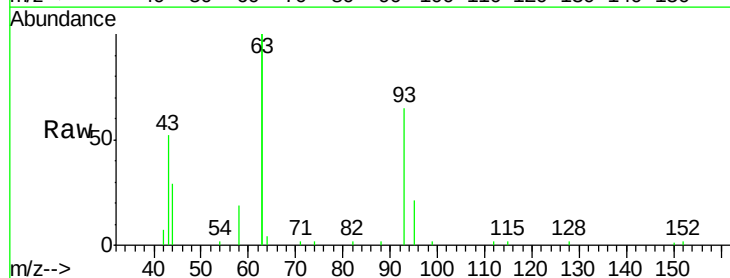
Tgt Ion: 93 Resp: 3511

Ion Ratio Lower Upper

93 100

63 292.0 216.6 324.8

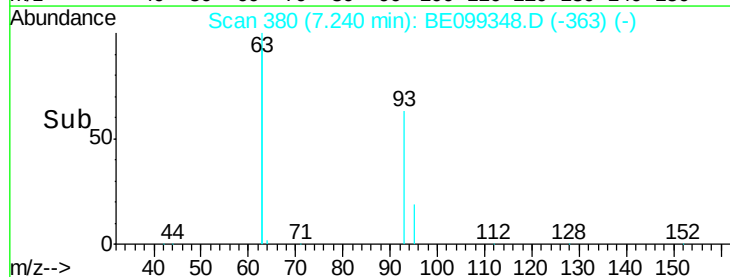
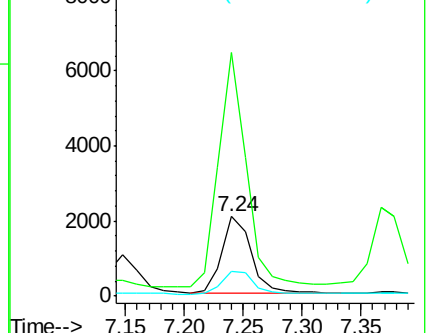
95 36.1 25.8 38.6

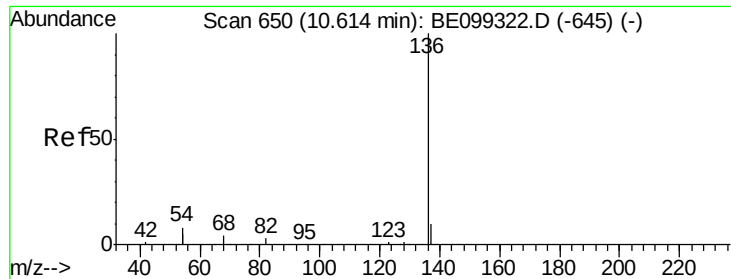


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

Tgt Ion:136 Resp: 15897

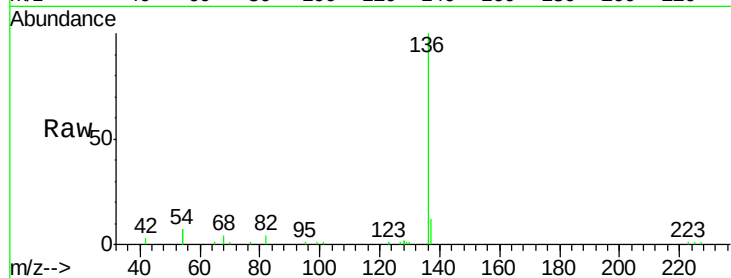
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 14.5 23.8 35.8#

68 4.1 6.4 9.6#

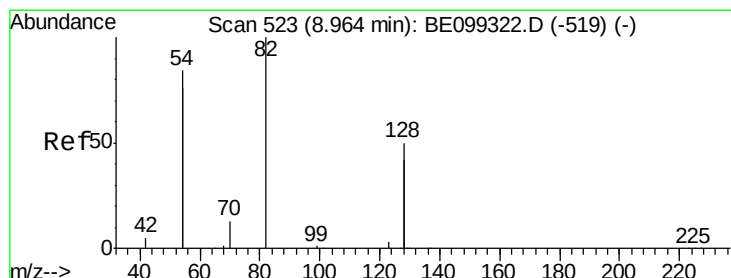
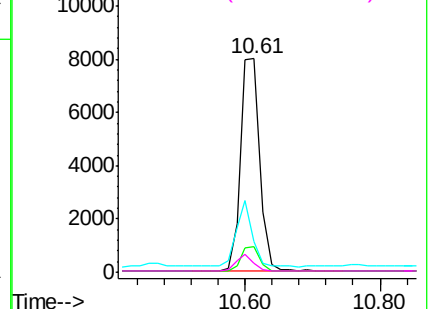
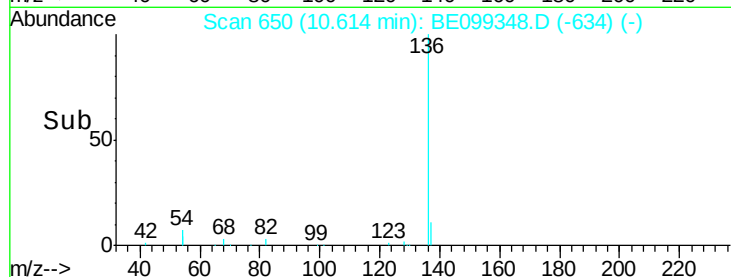


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.248 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

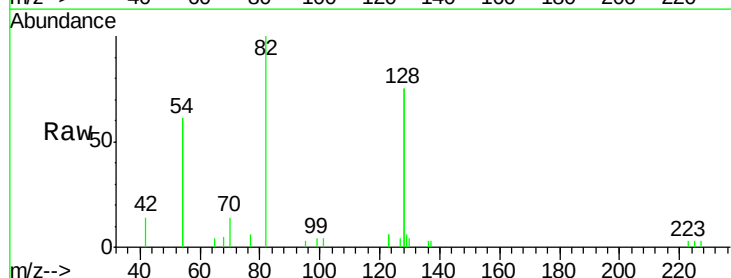
Tgt Ion: 82 Resp: 3057

Ion Ratio Lower Upper

82 100

128 150.1 91.7 137.5#

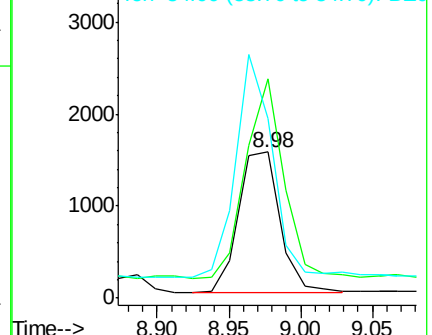
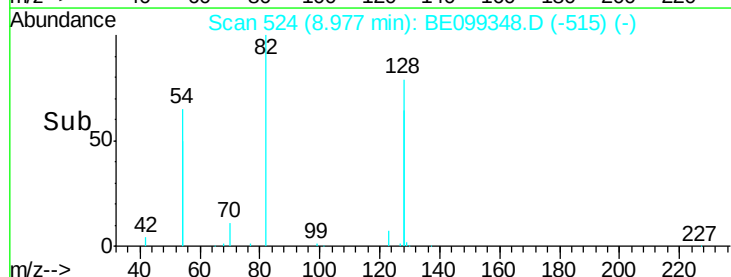
54 122.9 122.8 184.2

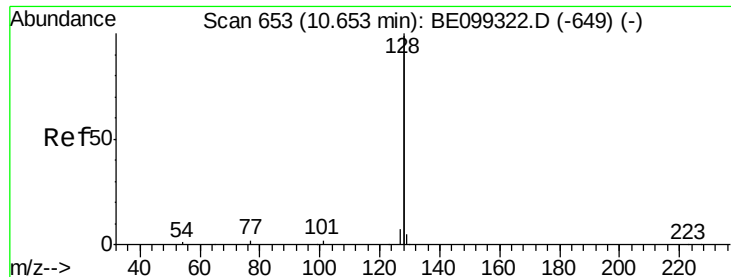


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.254 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

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Acq: 19 Apr 2019 14:33

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PB119051BSD

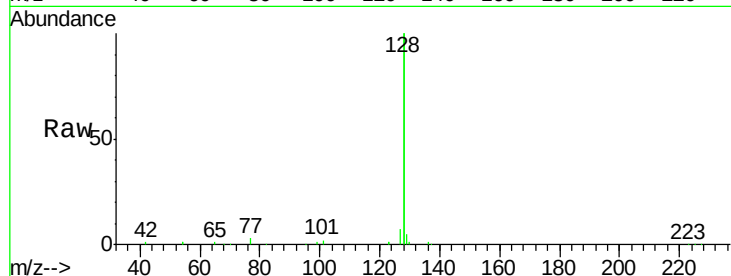
Tgt Ion:128 Resp: 44052

Ion Ratio Lower Upper

128 100

129 2.6 2.3 3.5

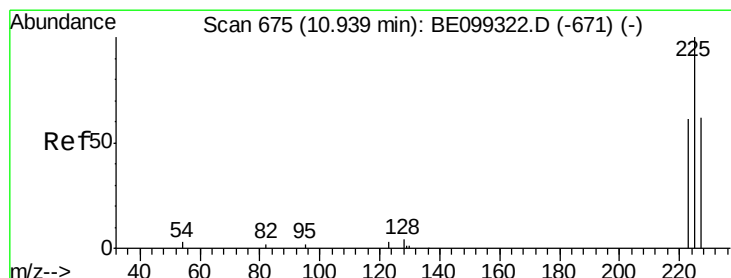
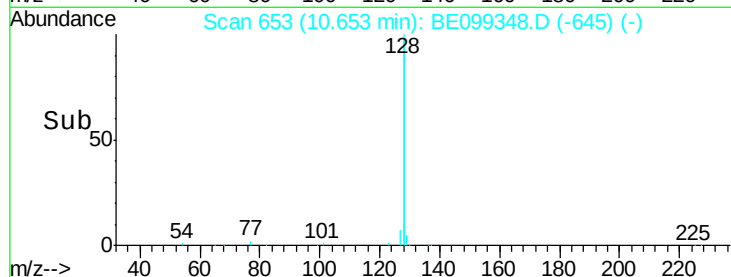
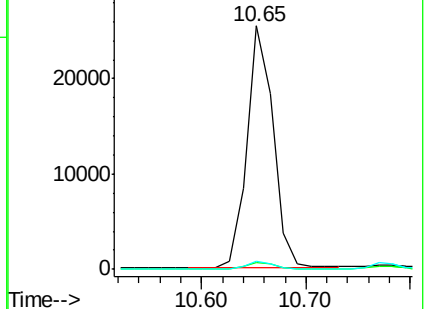
127 3.6 2.8 4.2



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: 0.251 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

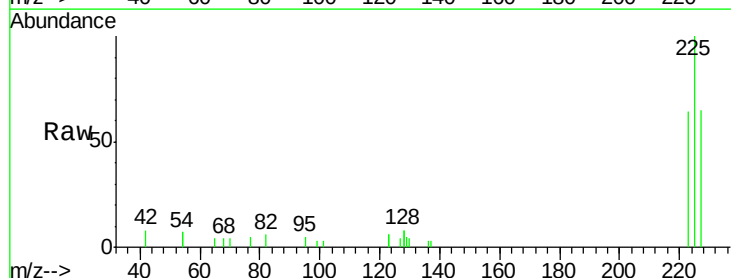
Tgt Ion:225 Resp: 2769

Ion Ratio Lower Upper

225 100

223 62.7 50.3 75.5

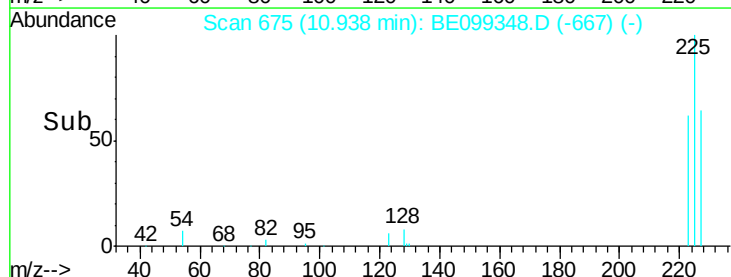
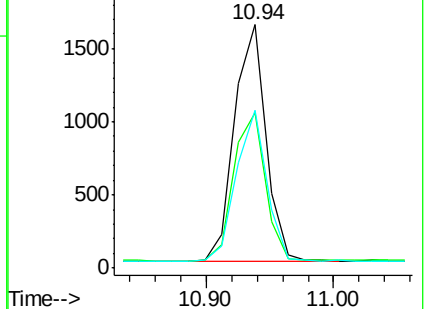
227 62.1 49.4 74.0

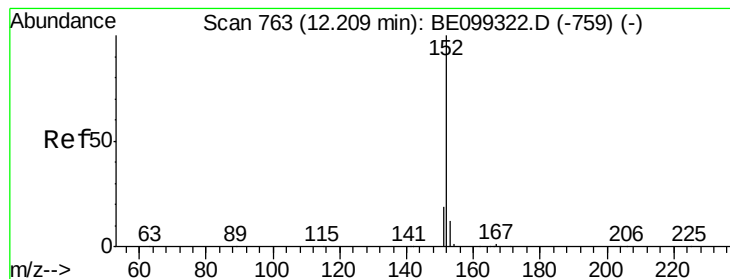


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.319 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099348.D

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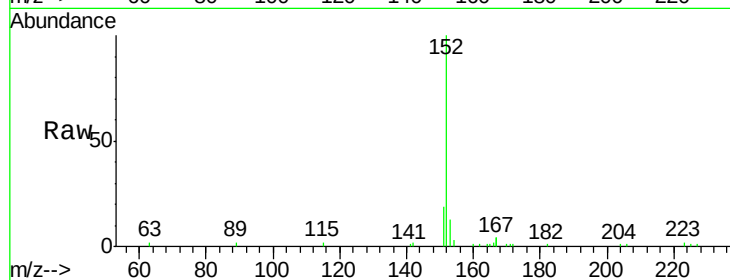
PB119051BSD

Tgt Ion:152 Resp: 8955

Ion Ratio Lower Upper

152 100

151 13.8 14.9 22.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.20

4000

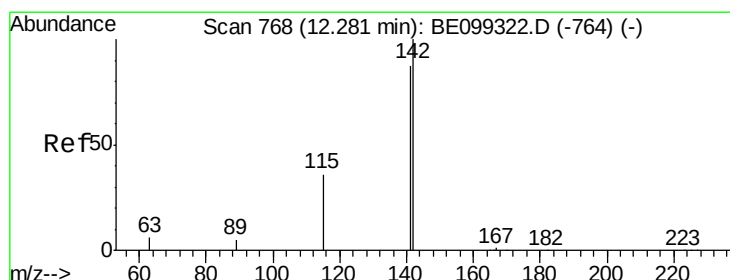
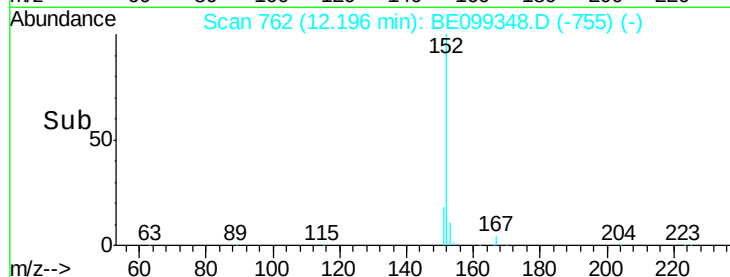
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.245 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

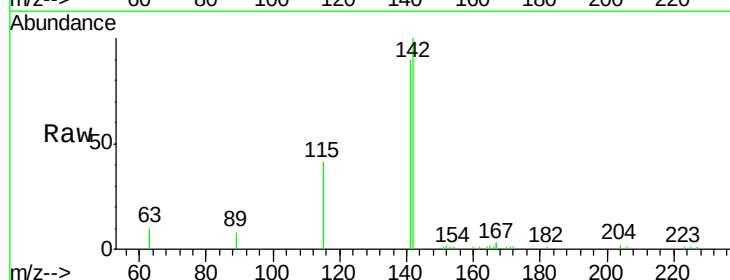
Tgt Ion:142 Resp: 7225

Ion Ratio Lower Upper

142 100

141 90.0 72.0 108.0

115 41.4 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

12.27

5000

4000

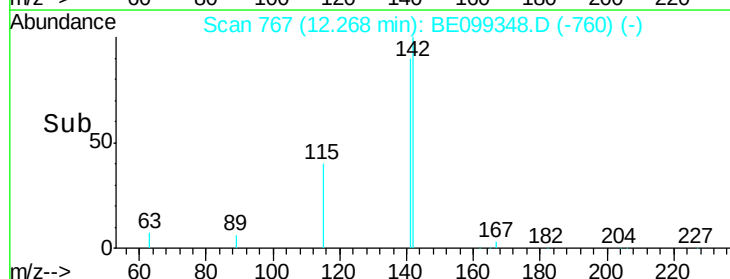
3000

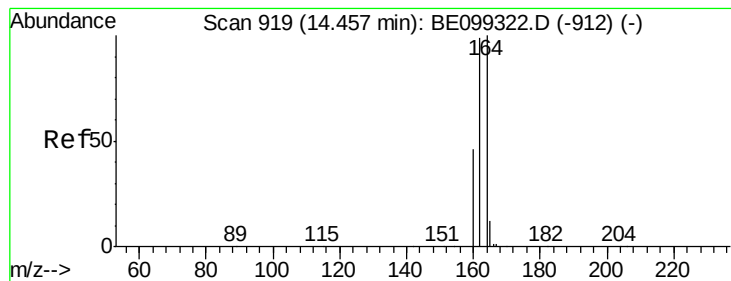
2000

1000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

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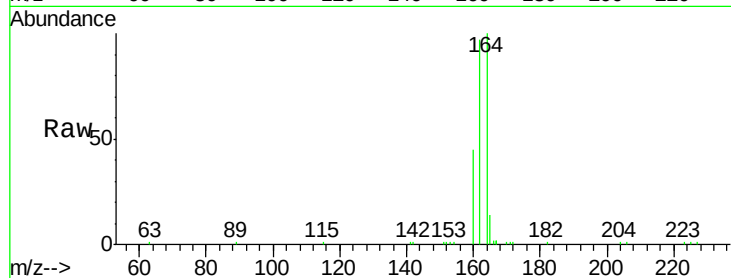
Tgt Ion:164 Resp: 9348

Ion Ratio Lower Upper

164 100

162 96.7 77.8 116.6

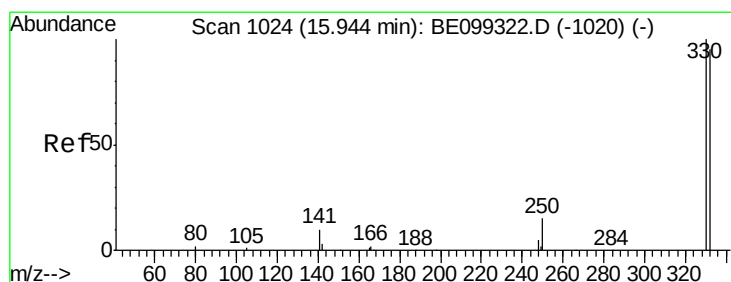
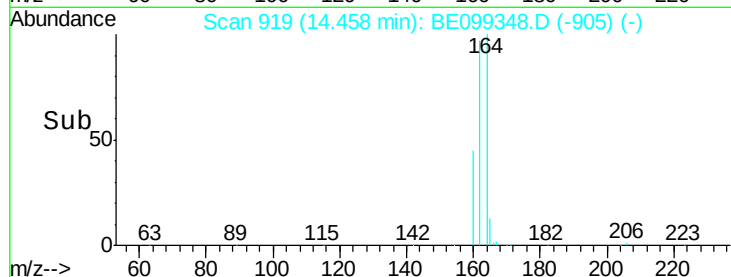
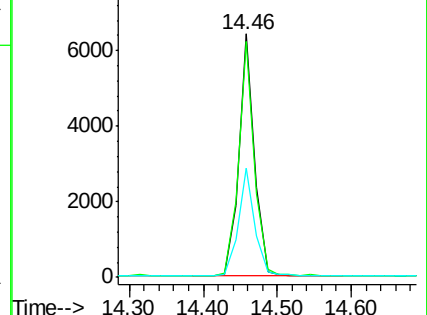
160 45.1 37.1 55.7



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: 0.217 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

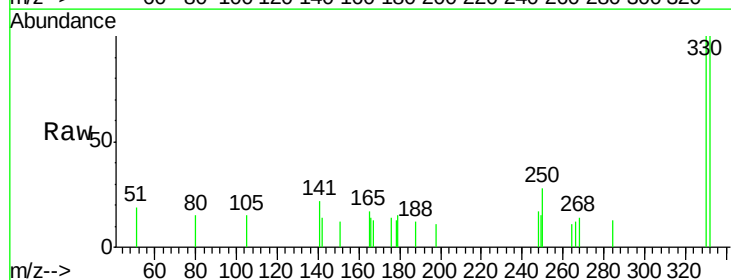
Tgt Ion:330 Resp: 675

Ion Ratio Lower Upper

330 100

332 93.0 82.5 123.7

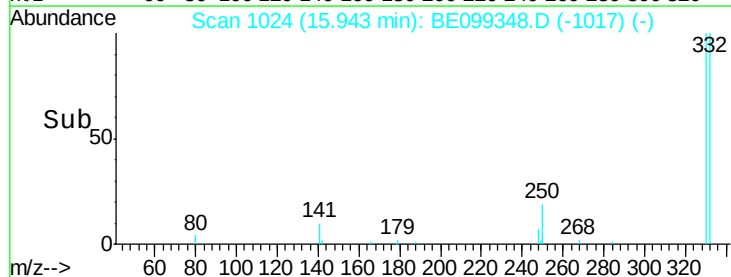
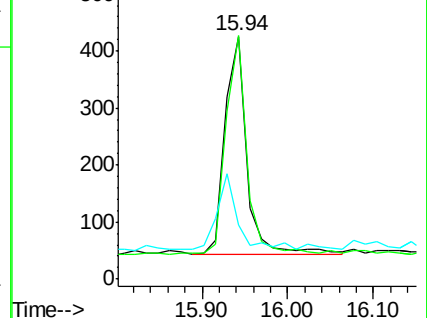
141 32.1 24.9 37.3

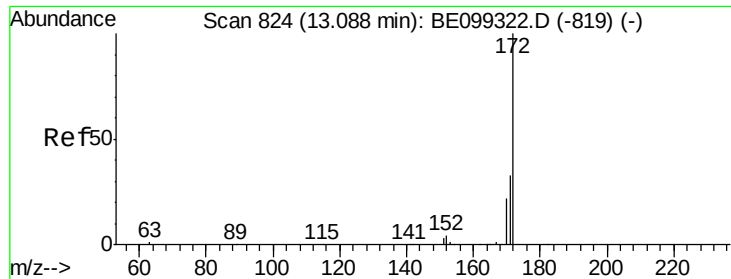


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

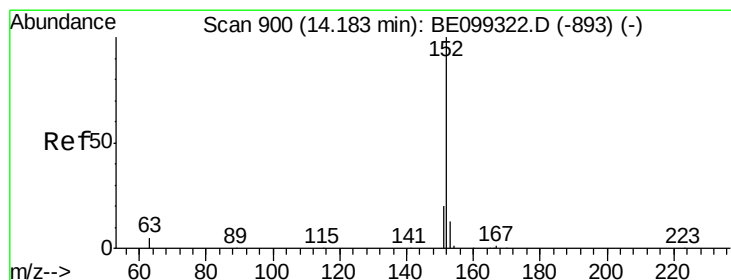
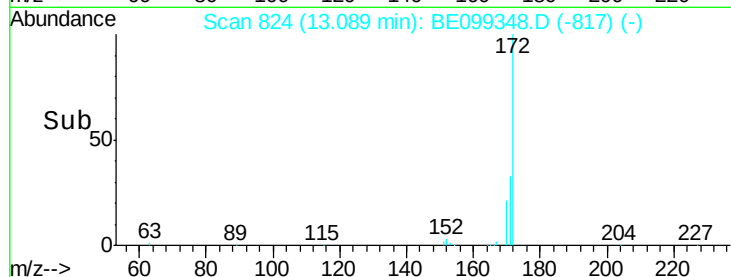
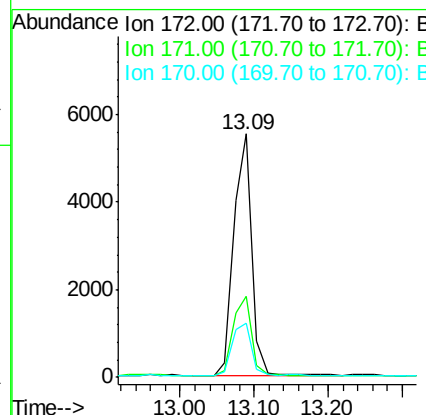
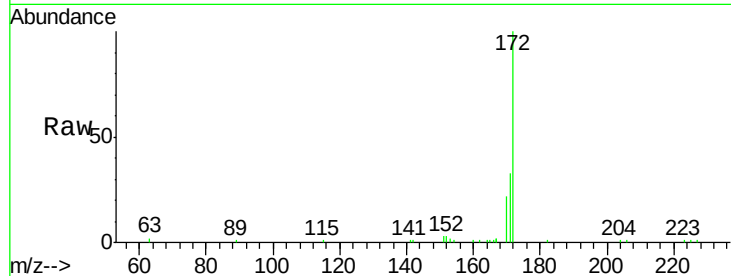




#15
2-Fluorobiphenyl
Concen: 0.254 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099348.D
Acq: 19 Apr 2019 14:33

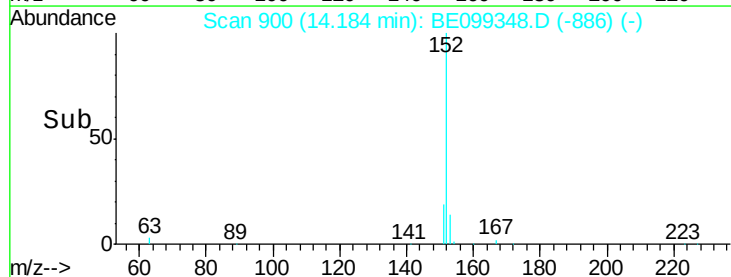
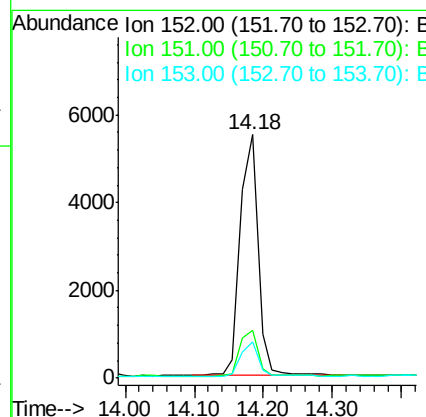
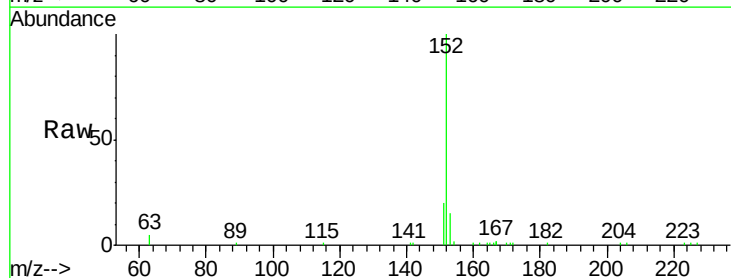
Instrument :
BNA_E
ClientSampleId :
PB119051BSD

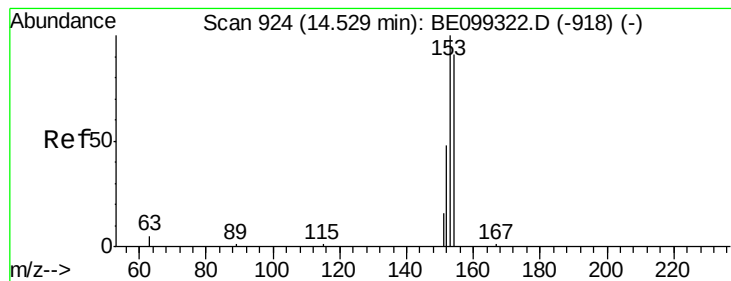
Tgt Ion:172 Resp: 9327
Ion Ratio Lower Upper
172 100
171 33.4 26.2 39.2
170 22.0 18.1 27.1



#16
Acenaphthylene
Concen: 0.235 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099348.D
Acq: 19 Apr 2019 14:33

Tgt Ion:152 Resp: 9946
Ion Ratio Lower Upper
152 100
151 19.3 15.5 23.3
153 13.6 10.2 15.4





#17

Acenaphthene

Concen: 0.248 ng

RT: 14.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

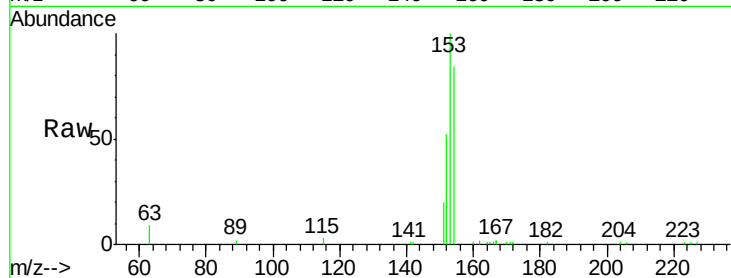
Tgt Ion:154 Resp: 6456

Ion Ratio Lower Upper

154 100

153 114.4 94.7 142.1

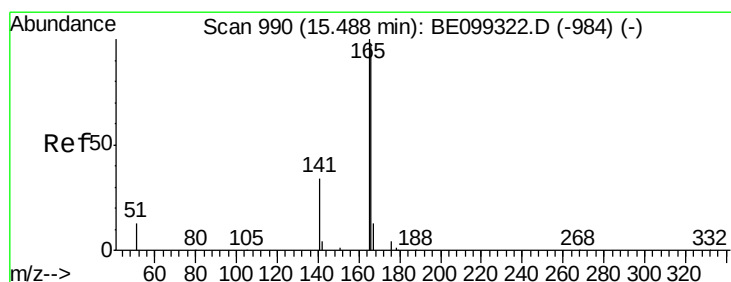
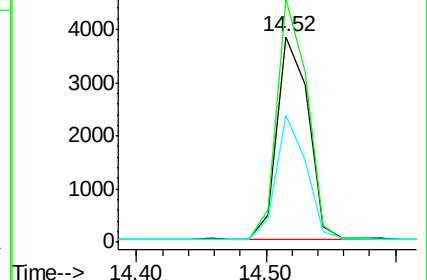
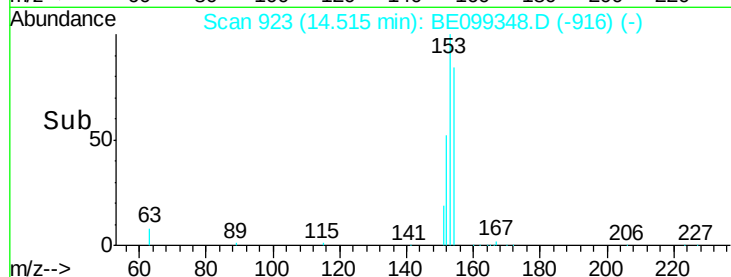
152 57.9 46.4 69.6



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: 0.241 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

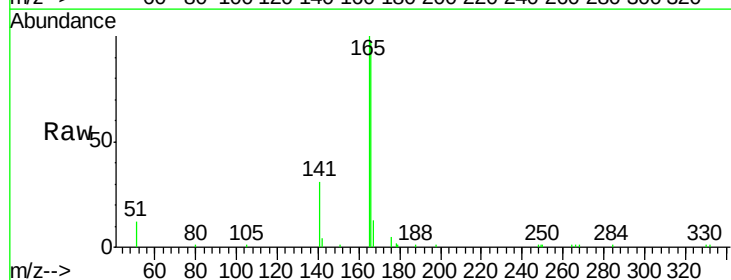
Tgt Ion:166 Resp: 9029

Ion Ratio Lower Upper

166 100

165 98.3 79.7 119.5

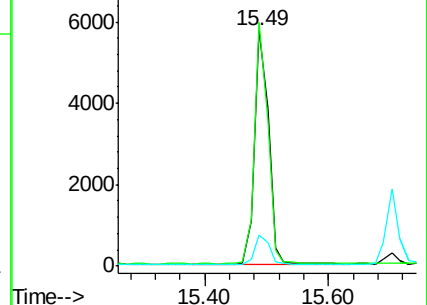
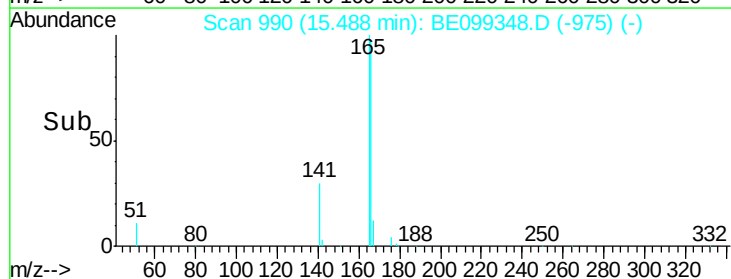
167 13.1 11.0 16.4

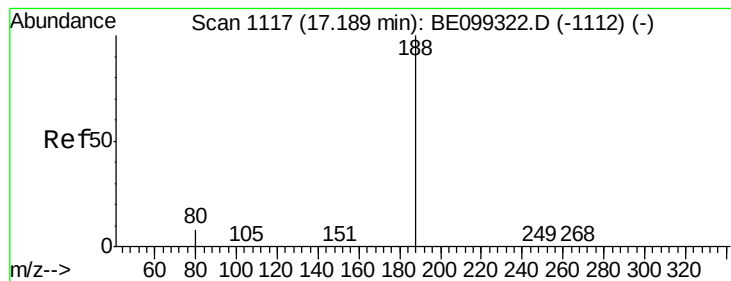


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

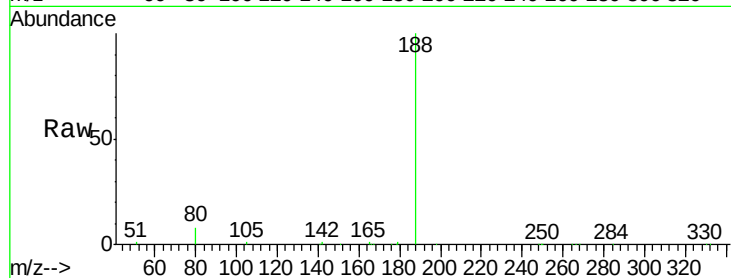
Tgt Ion:188 Resp: 23572

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

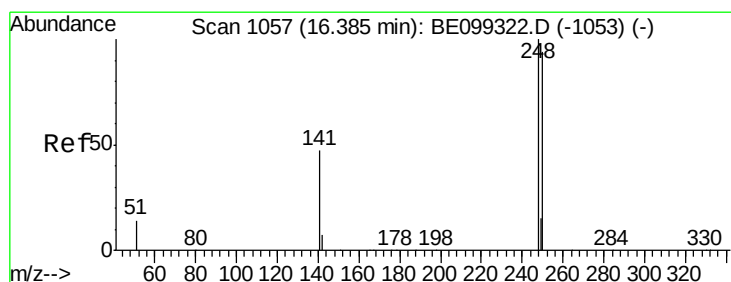
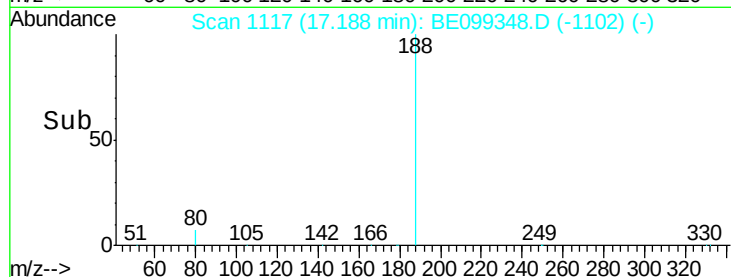
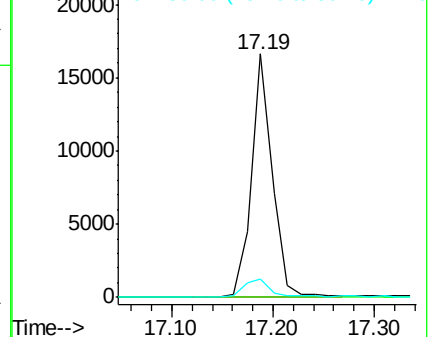
80 7.7 6.2 9.4



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: 0.265 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

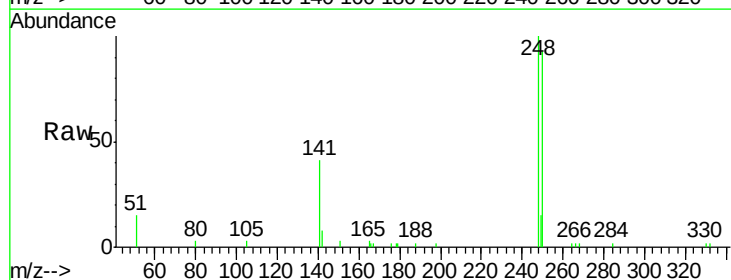
Tgt Ion:248 Resp: 3460

Ion Ratio Lower Upper

248 100

250 92.8 77.0 115.6

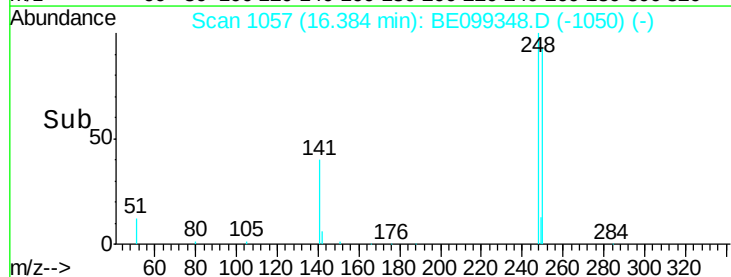
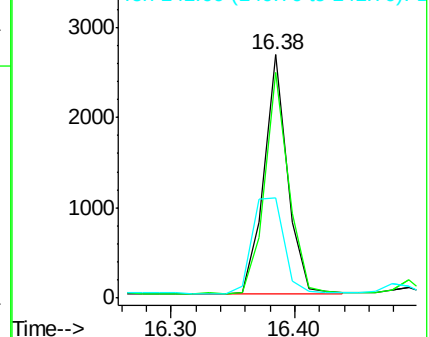
141 41.0 31.1 46.7

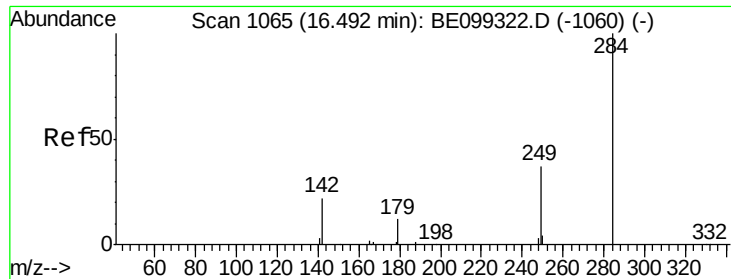


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

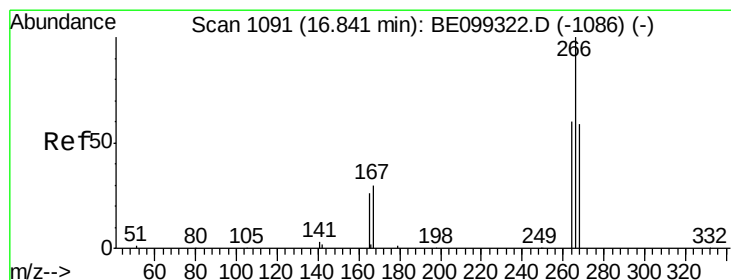
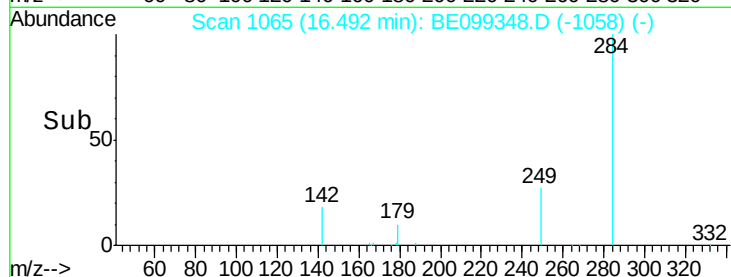
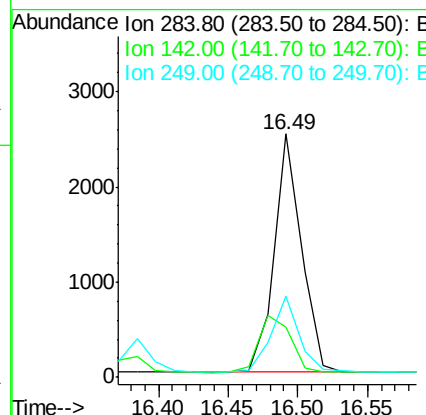
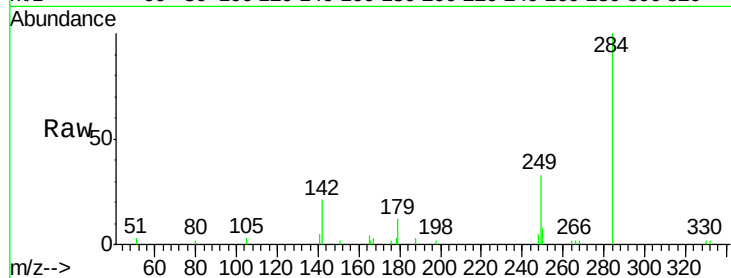




#21
Hexachlorobenzene
Concen: 0.273 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE099348.D
Acq: 19 Apr 2019 14:33

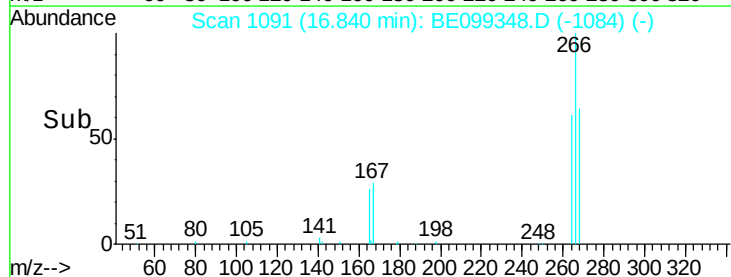
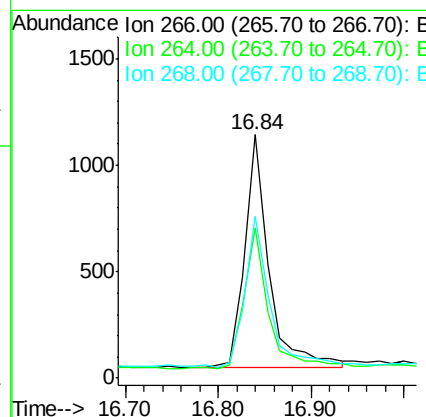
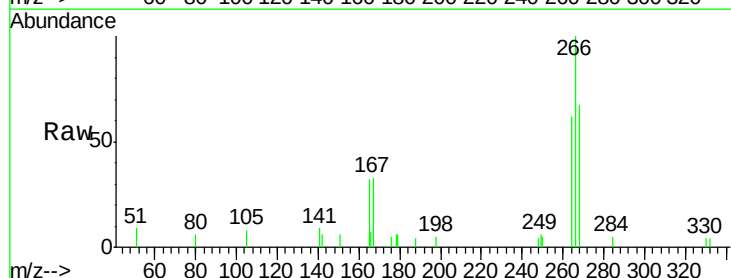
Instrument :
BNA_E
ClientSampleId :
PB119051BSD

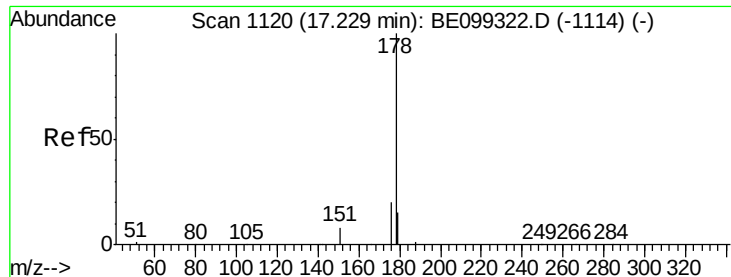
Tgt Ion:284 Resp: 3431
Ion Ratio Lower Upper
284 100
142 28.2 21.8 32.6
249 31.9 26.2 39.4



#22
Pentachlorophenol
Concen: 0.610 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE099348.D
Acq: 19 Apr 2019 14:33

Tgt Ion:266 Resp: 1978
Ion Ratio Lower Upper
266 100
264 61.8 54.5 81.7
268 66.6 54.3 81.5





#23

Phenanthrene

Concen: 0.265 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

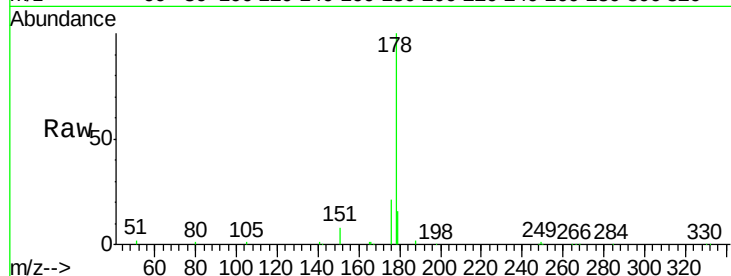
Tgt Ion:178 Resp: 16549

Ion Ratio Lower Upper

178 100

176 20.2 15.3 22.9

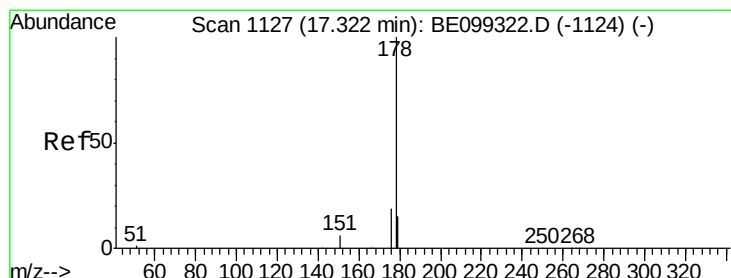
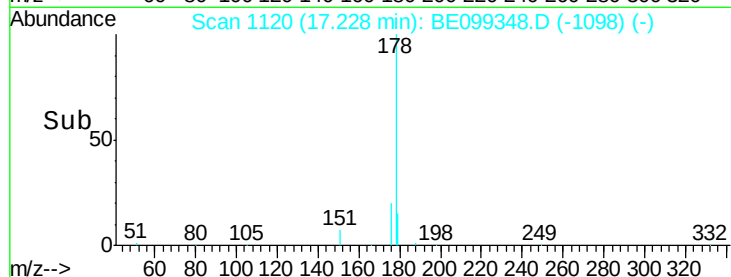
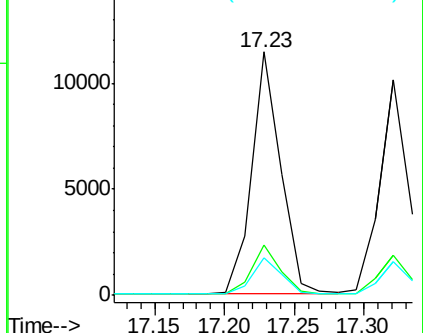
179 15.5 12.4 18.6



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: 0.262 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

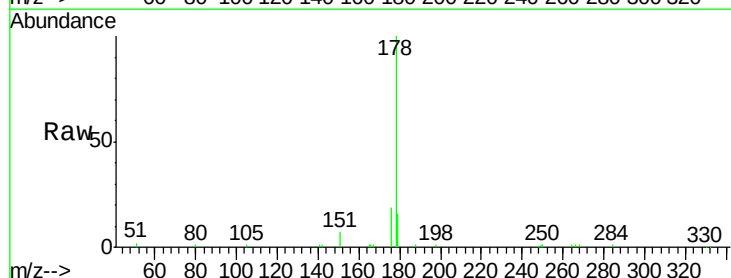
Tgt Ion:178 Resp: 14558

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

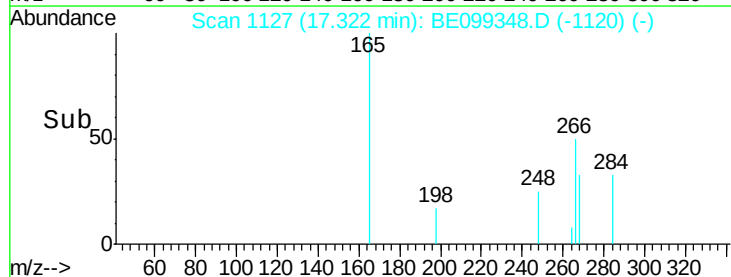
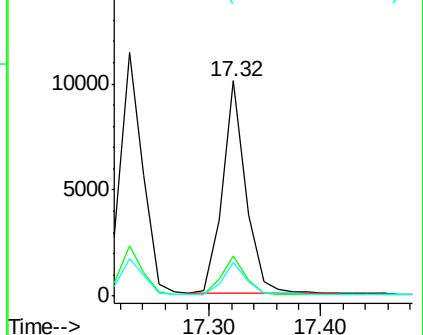
179 15.2 11.9 17.9

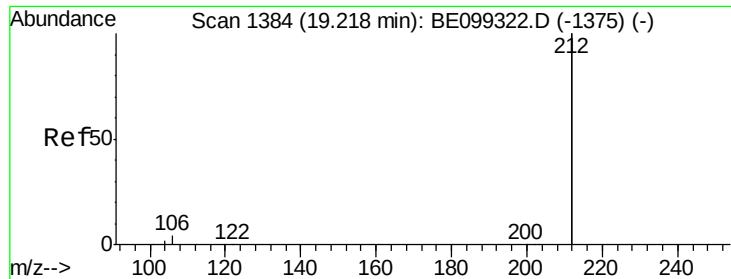


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.229 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

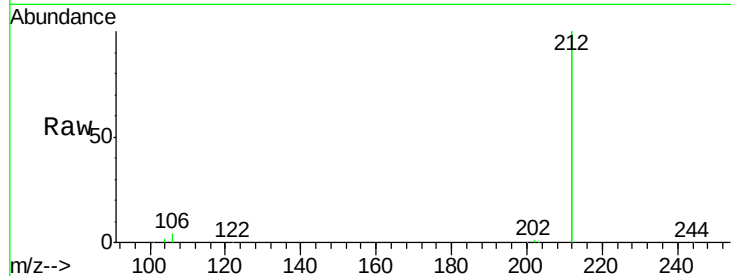
Tgt Ion:212 Resp: 64778

Ion Ratio Lower Upper

212 100

106 2.2 1.8 2.6

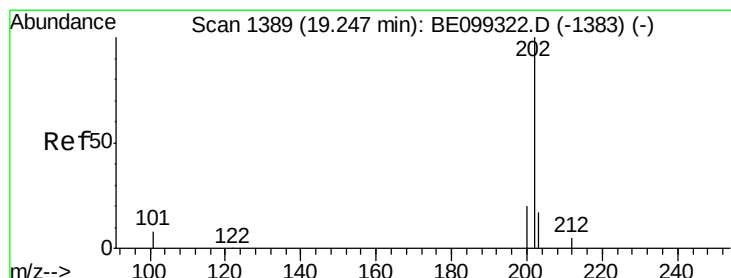
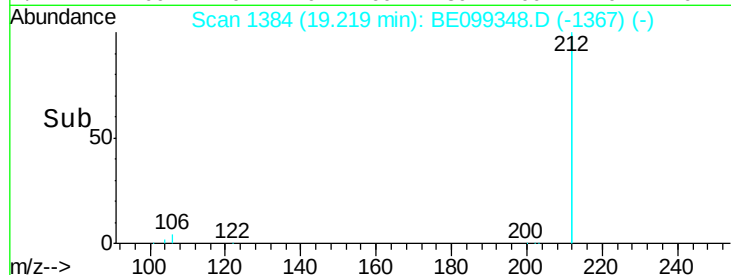
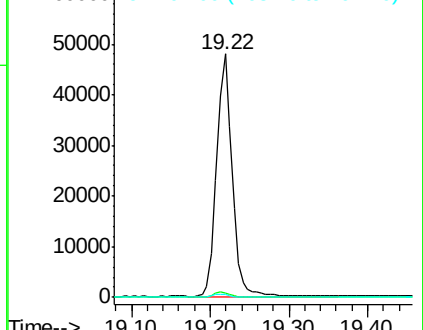
104 1.2 1.0 1.4



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: 0.262 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

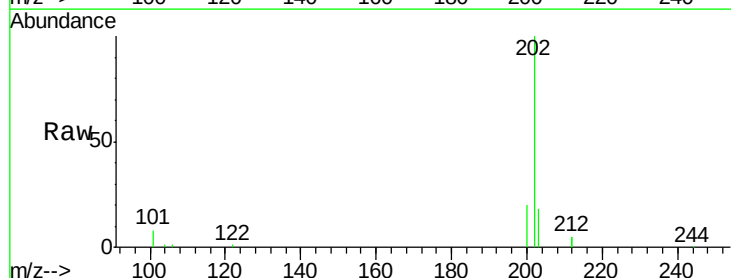
Tgt Ion:202 Resp: 21926

Ion Ratio Lower Upper

202 100

101 8.2 6.4 9.6

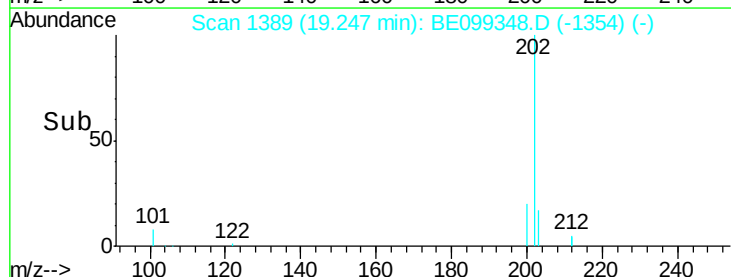
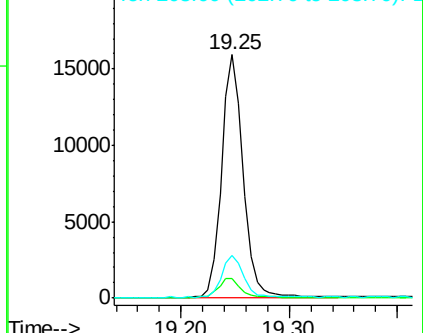
203 17.1 13.5 20.3

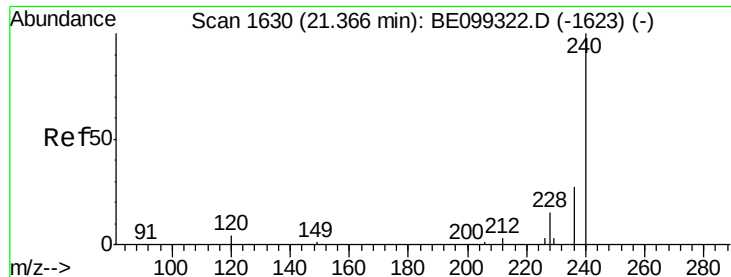


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

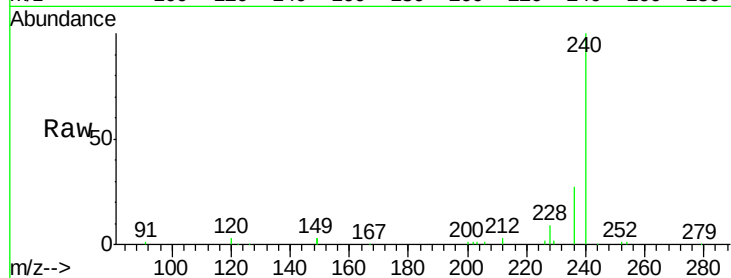




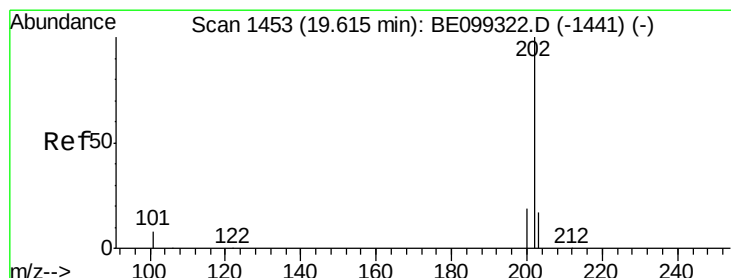
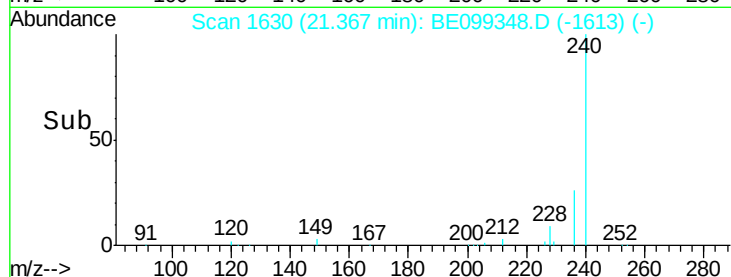
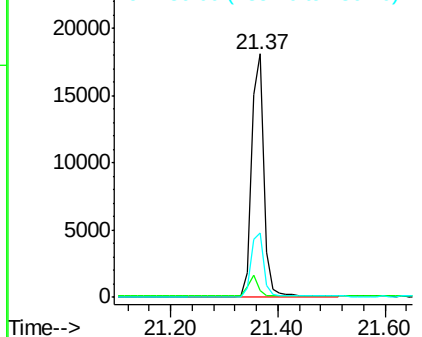
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099348.D
 Acq: 19 Apr 2019 14:33

Instrument :
 BNA_E
 ClientSampleId :
 PB119051BSD

Tgt Ion:240 Resp: 28960
 Ion Ratio Lower Upper
 240 100
 120 3.0 2.2 3.2
 236 26.5 20.2 30.4

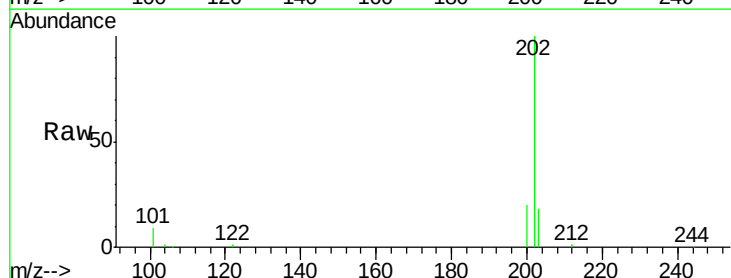


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

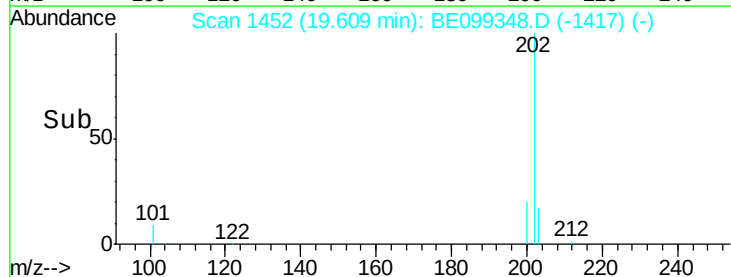
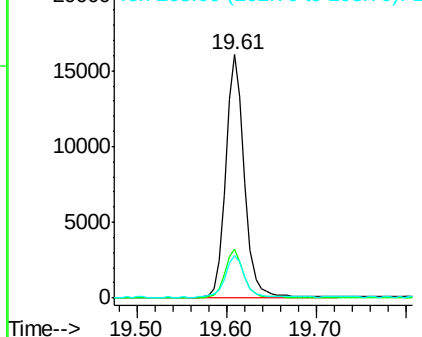


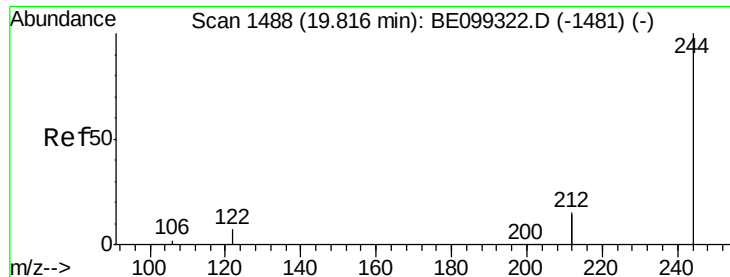
#28
 Pyrene
 Concen: 0.267 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BE099348.D
 Acq: 19 Apr 2019 14:33

Tgt Ion:202 Resp: 22770
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.7 23.5
 203 18.3 13.7 20.5



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





#29

Terphenyl-d14

Concen: 0.202 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

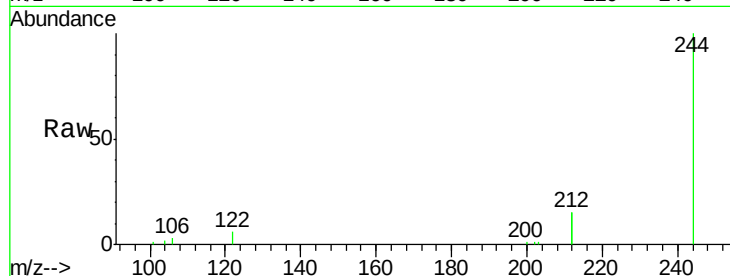
Tgt Ion:244 Resp: 11505

Ion Ratio Lower Upper

244 100

212 30.7 22.6 33.8

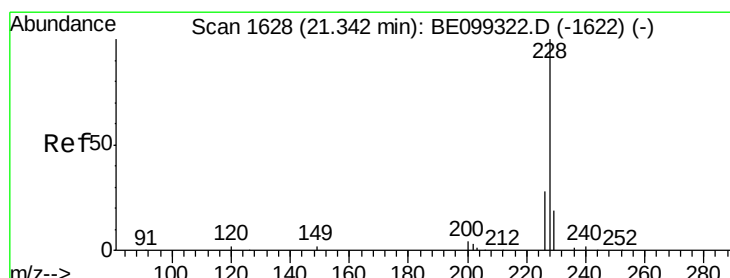
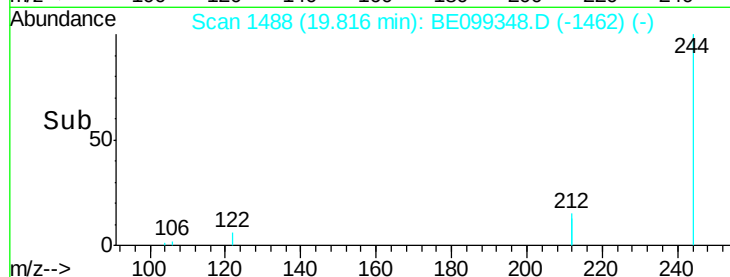
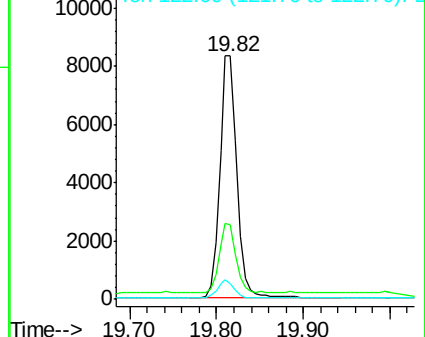
122 6.4 4.6 7.0



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: 0.317 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

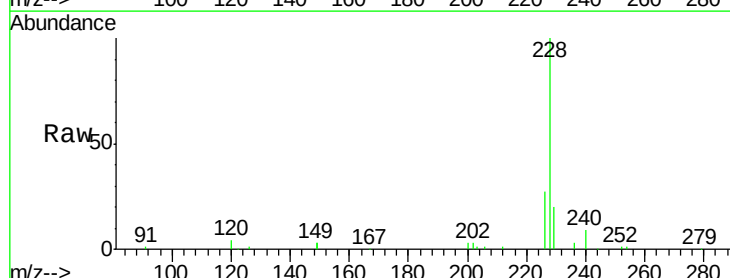
Tgt Ion:228 Resp: 26961

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

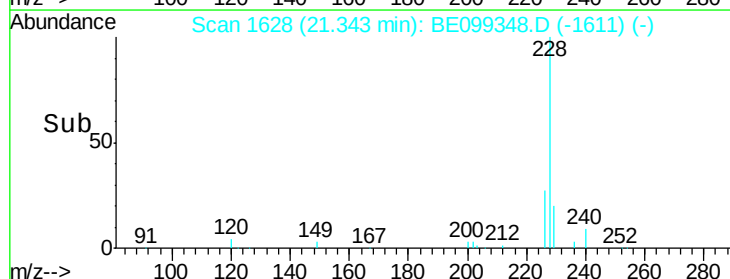
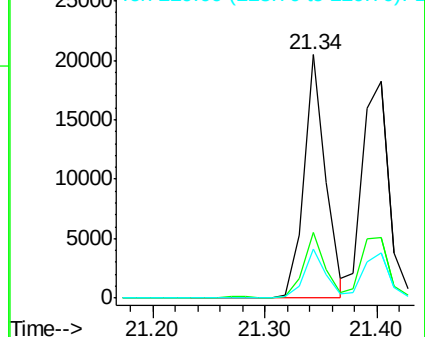
229 19.9 15.8 23.8

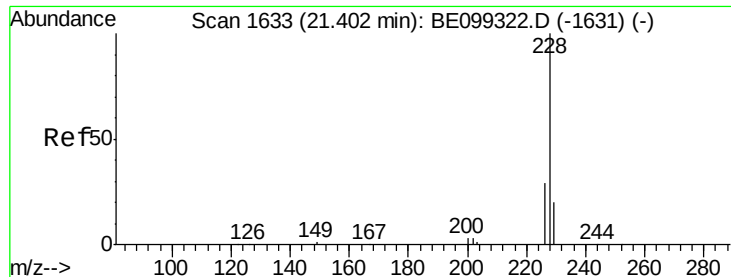


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.323 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

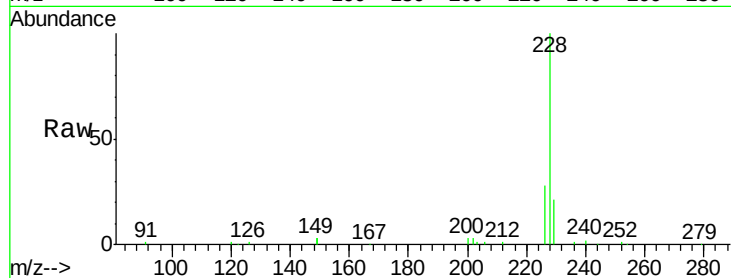
Tgt Ion:228 Resp: 29227

Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.2

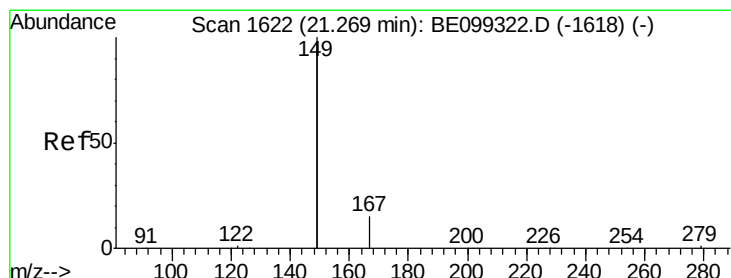
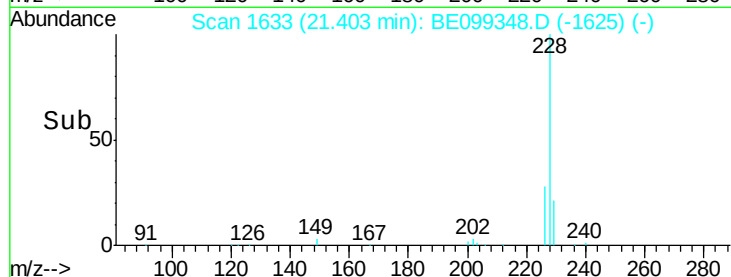
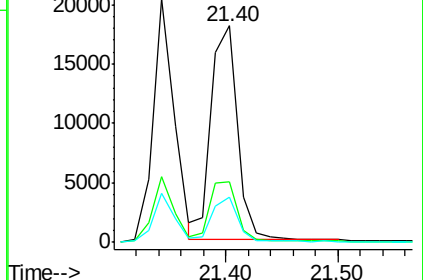
229 20.9 16.2 24.2



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: 0.285 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

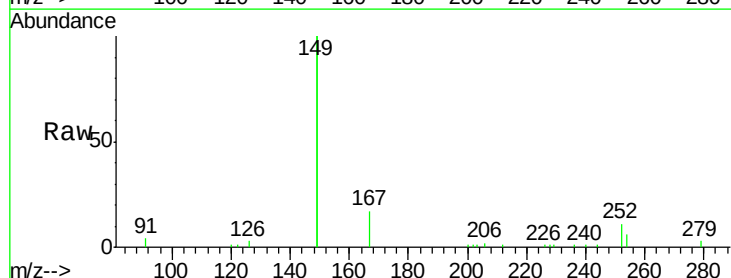
Tgt Ion:149 Resp: 22080

Ion Ratio Lower Upper

149 100

167 7.7 6.0 9.0

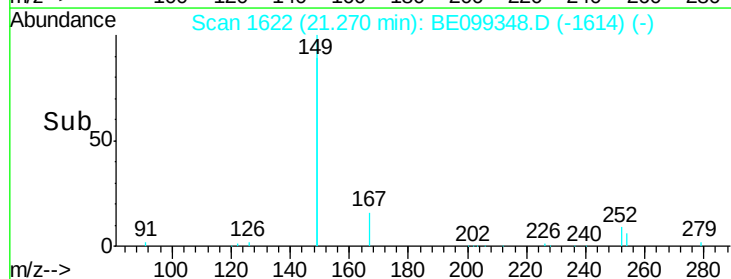
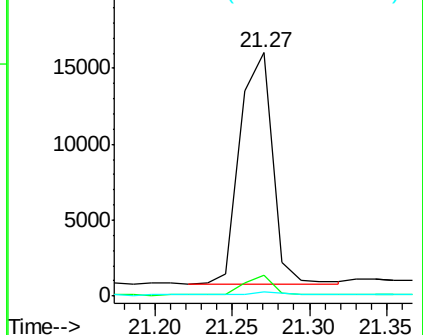
279 1.3 1.1 1.7

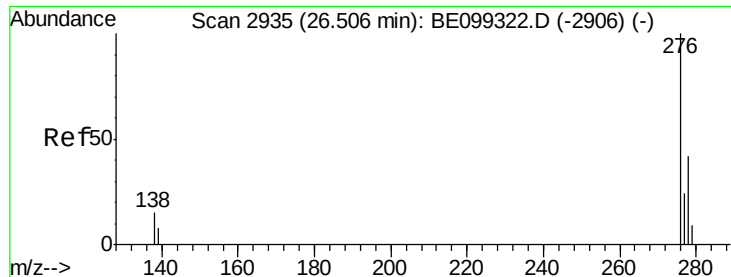


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.373 ng

RT: 26.49 min Scan# 2932

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

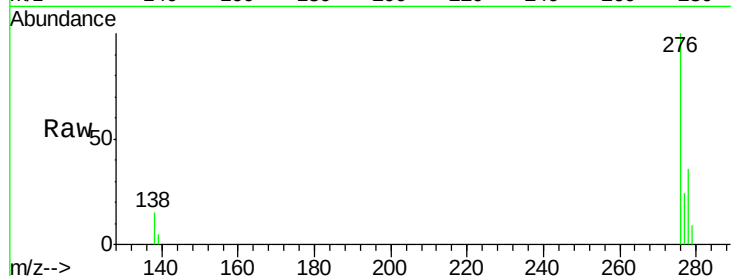
Tgt Ion:276 Resp: 33337

Ion Ratio Lower Upper

276 100

138 15.9 12.7 19.1

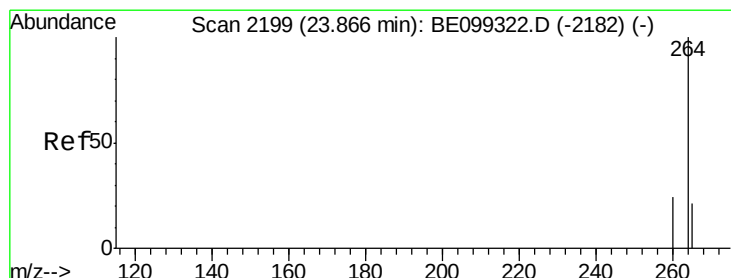
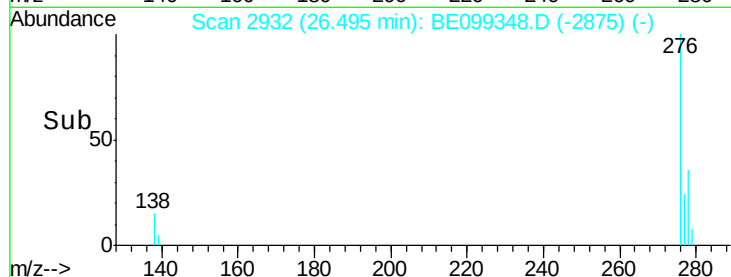
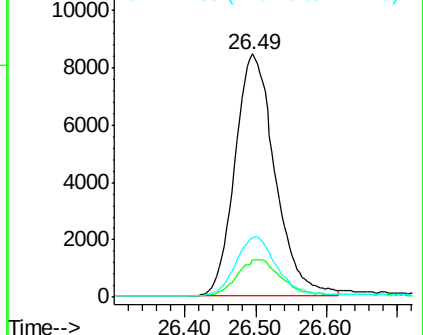
277 24.2 19.6 29.4



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: BE099348.D

Acq: 19 Apr 2019 14:33

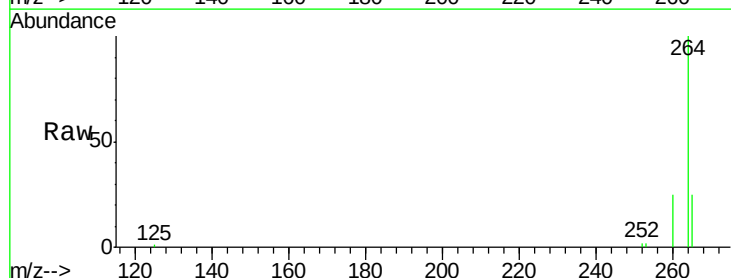
Tgt Ion:264 Resp: 33782

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

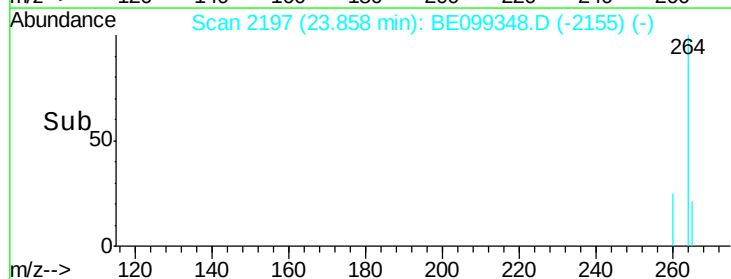
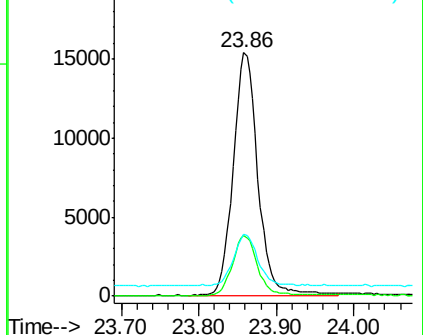
265 25.3 19.9 29.9

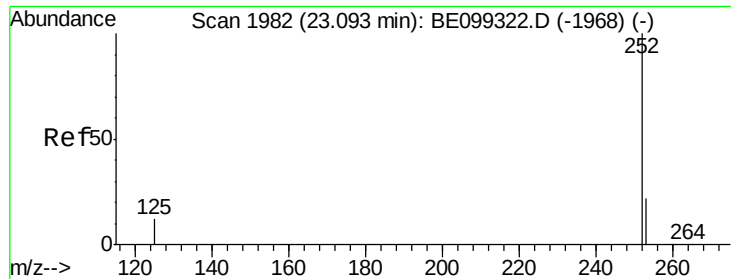


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.280 ng

RT: 23.08 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

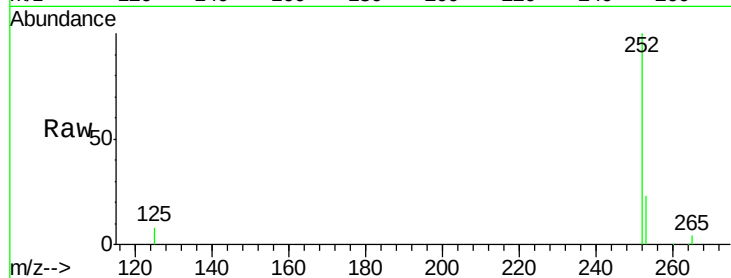
Tgt Ion:252 Resp: 28921

Ion Ratio Lower Upper

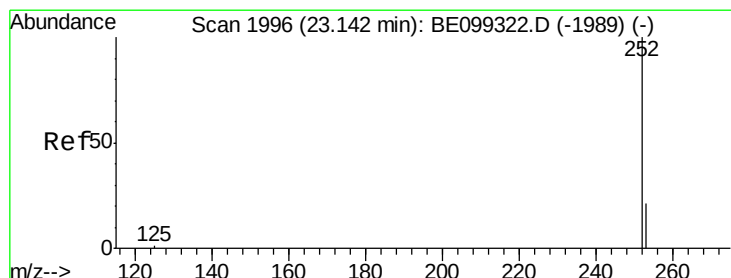
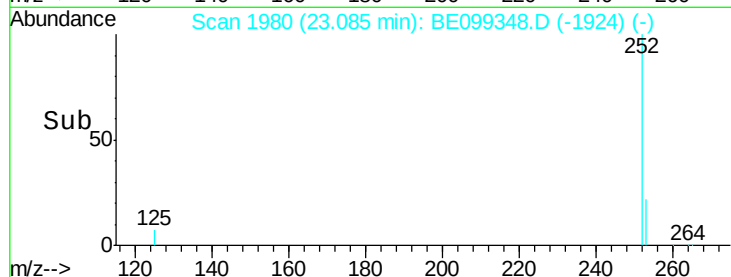
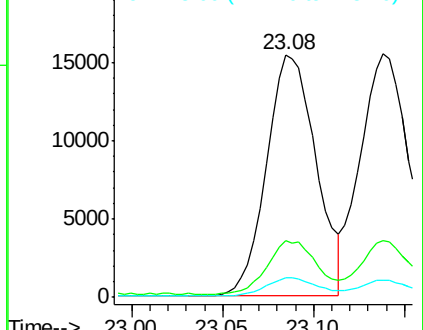
252 100

253 23.2 17.3 25.9

125 7.9 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: 0.291 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

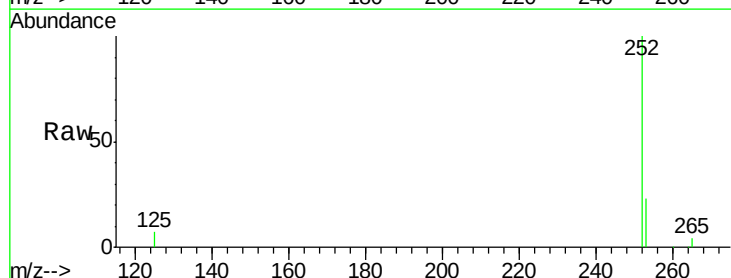
Tgt Ion:252 Resp: 30022

Ion Ratio Lower Upper

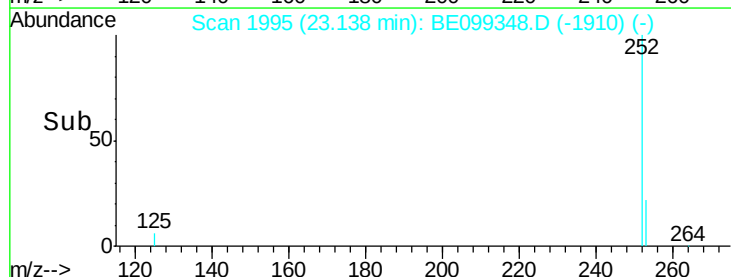
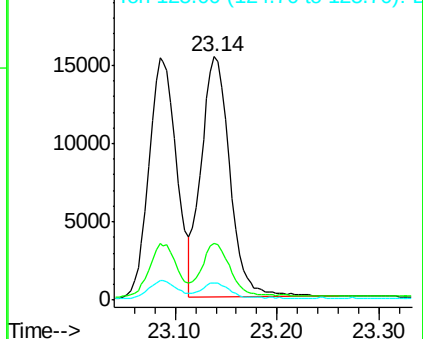
252 100

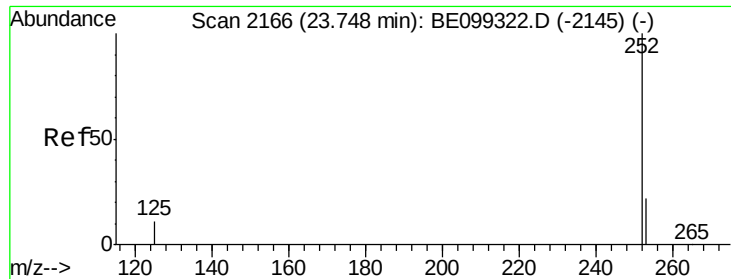
253 23.2 18.4 27.6

125 6.9 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: 0.293 ng

RT: 23.74 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD

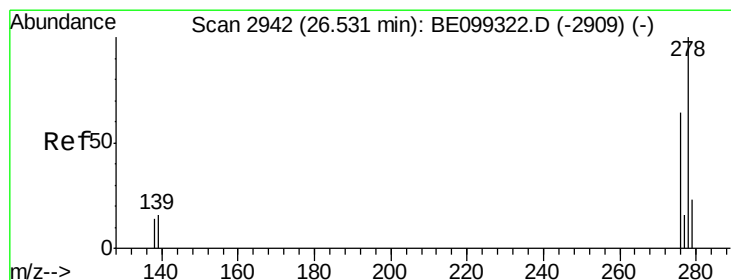
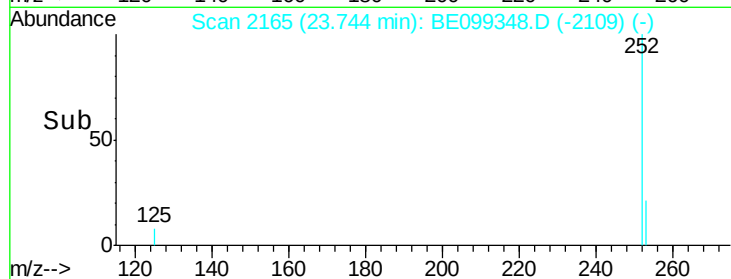
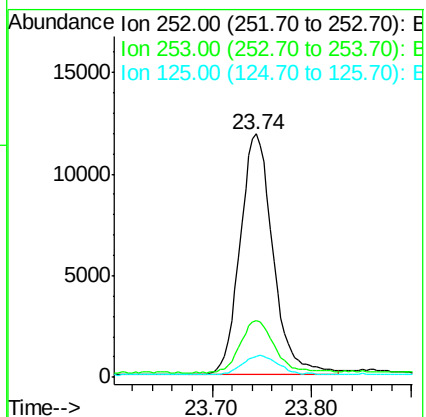
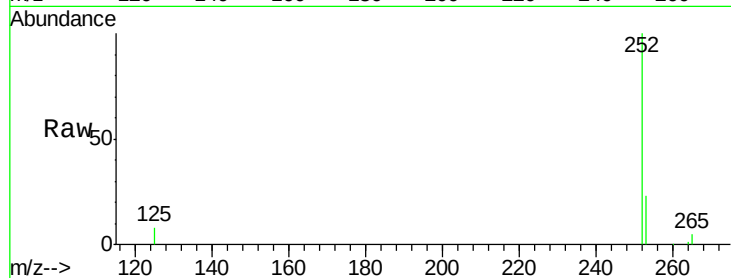
Tgt Ion:252 Resp: 27172

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 8.5 6.5 9.7



#38

Dibenzo(a,h)anthracene

Concen: 0.295 ng

RT: 26.52 min Scan# 2940

Delta R.T. 0.00 min

Lab File: BE099348.D

Acq: 19 Apr 2019 14:33

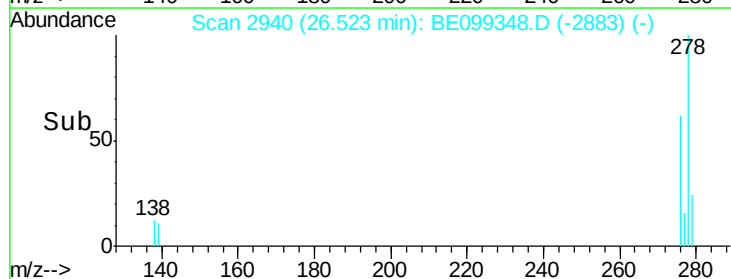
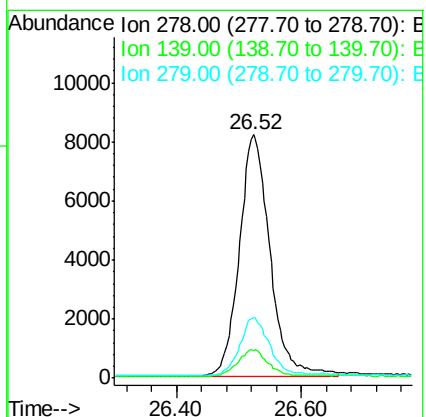
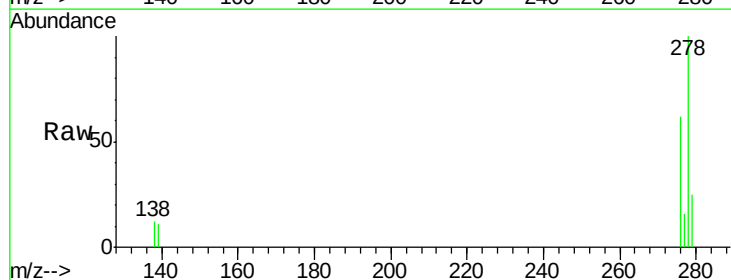
Tgt Ion:278 Resp: 27950

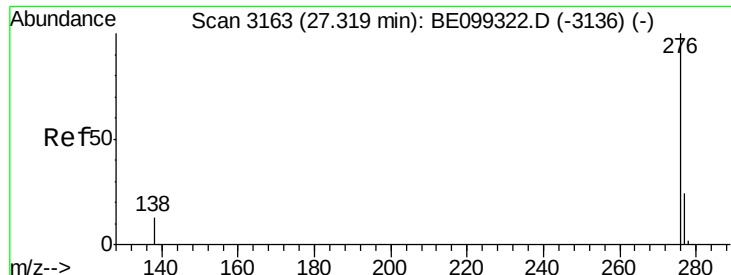
Ion Ratio Lower Upper

278 100

139 11.3 8.5 12.7

279 24.7 19.8 29.8





#39

Benzo(g,h,i)perylene

Concen: 0.297 ng

RT: 27.31 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BE099348.D

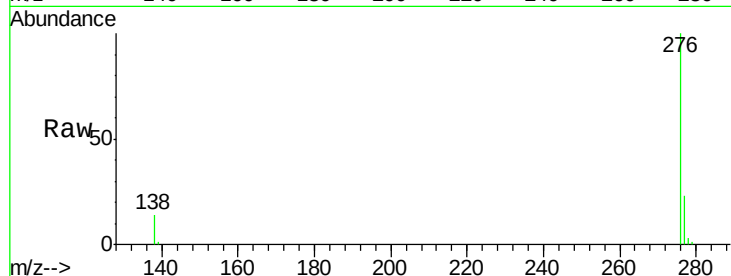
Acq: 19 Apr 2019 14:33

Instrument :

BNA_E

ClientSampleId :

PB119051BSD



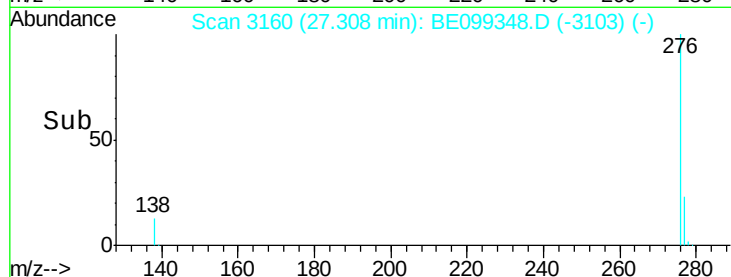
Tgt Ion: 276 Resp: 28520

Ion Ratio Lower Upper

276 100

277 23.4 20.0 30.0

138 13.7 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

