

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041819\
 Data File : BE099339.D
 Acq On : 18 Apr 2019 16:10
 Operator : JU/SJ
 Sample : PB118927BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB118927BSD

Quant Time: Apr 19 07:02:42 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	3816	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	15080	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	10245	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	30074	0.40	ng	0.00
27) Chrysene-d12	21.37	240	35332	0.40	ng	0.00
34) Perylene-d12	23.86	264	33889	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	3932	0.42	ng	0.00
5) Phenol-d6	6.97	99	5454	0.41	ng	0.00
8) Nitrobenzene-d5	8.96	82	4482	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	10471	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1404	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	16497	0.41	ng	0.00
25) Fluoranthene-d10	19.22	212	140304	0.39	ng	0.00
29) Terphenyl-d14	19.82	244	28407	0.41	ng	0.00

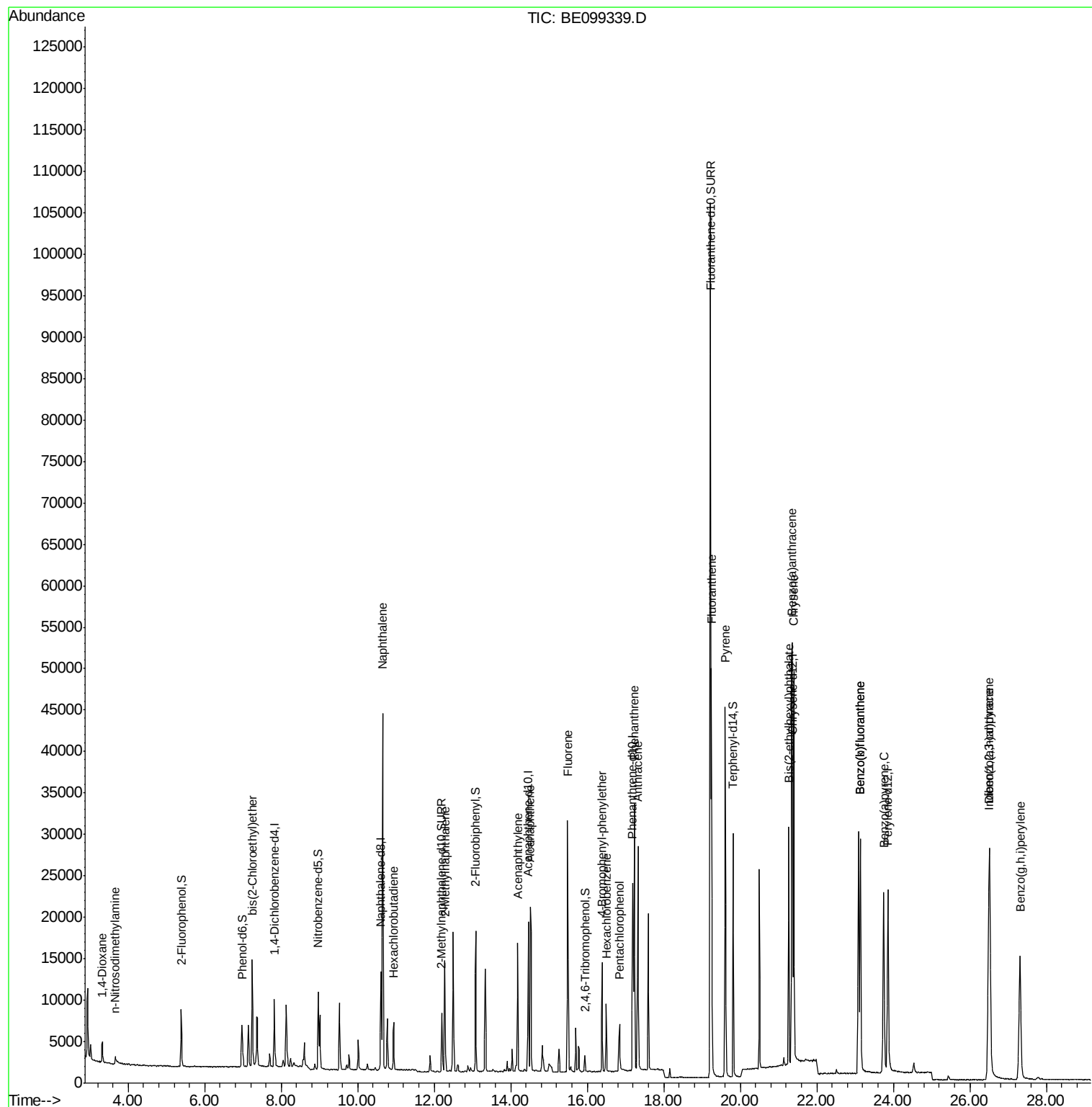
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	2452	0.459	ng	90
3) n-Nitrosodimethylamine	3.65	42	1053	0.366	ng	# 84
6) bis(2-Chloroethyl)ether	7.24	93	5117	0.412	ng	98
9) Naphthalene	10.65	128	66291	0.403	ng	100
10) Hexachlorobutadiene	10.94	225	4169	0.399	ng	98
12) 2-Methylnaphthalene	12.28	142	11251	0.402	ng	94
16) Acenaphthylene	14.18	152	18184	0.393	ng	100
17) Acenaphthene	14.51	154	11475	0.402	ng	99
18) Fluorene	15.49	166	16669	0.407	ng	100
20) 4-Bromophenyl-phenylether	16.39	248	6624	0.398	ng	98
21) Hexachlorobenzene	16.49	284	6506	0.406	ng	99
22) Pentachlorophenol	16.84	266	3501	0.762	ng	95
23) Phenanthrene	17.23	178	31847	0.400	ng	100
24) Anthracene	17.32	178	27878	0.394	ng	99
26) Fluoranthene	19.25	202	41589	0.390	ng	99
28) Pyrene	19.61	202	42262	0.406	ng	100
30) Benzo(a)anthracene	21.34	228	40262	0.388	ng	99
31) Chrysene	21.40	228	46080	0.417	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	33767	0.357	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	46199	0.423	ng	100
35) Benzo(b)fluoranthene	23.14	252	41820	0.403	ng	99
36) Benzo(k)fluoranthene	23.14	252	41820	0.404	ng	98
37) Benzo(a)pyrene	23.74	252	37324	0.402	ng	97
38) Dibenzo(a,h)anthracene	26.52	278	38220	0.402	ng	99
39) Benzo(g,h,i)perylene	27.31	276	38432	0.399	ng	98

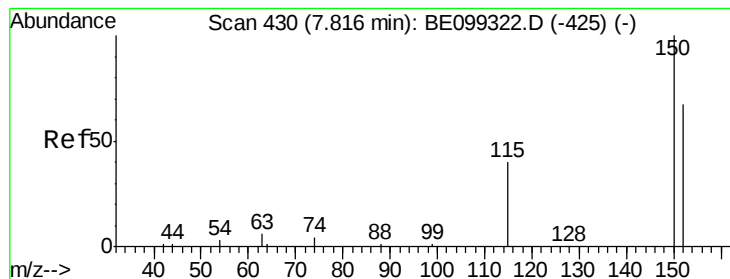
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

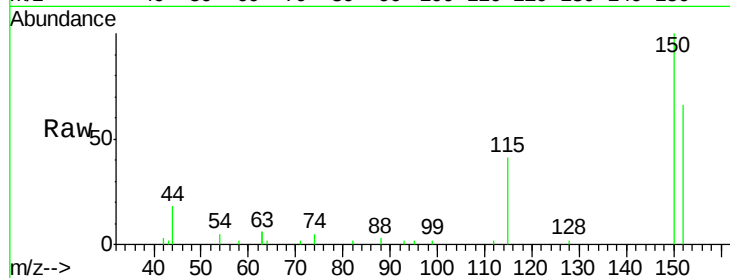
Tgt Ion:152 Resp: 3816

Ion Ratio Lower Upper

152 100

150 151.3 119.5 179.3

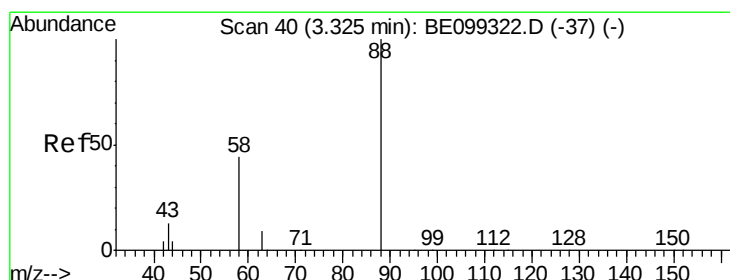
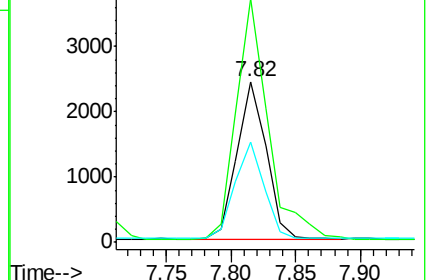
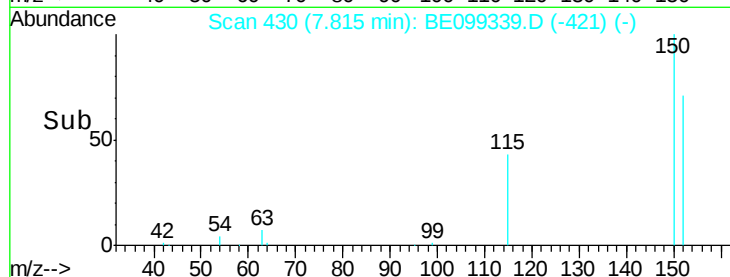
115 62.5 47.5 71.3



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: 0.459 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

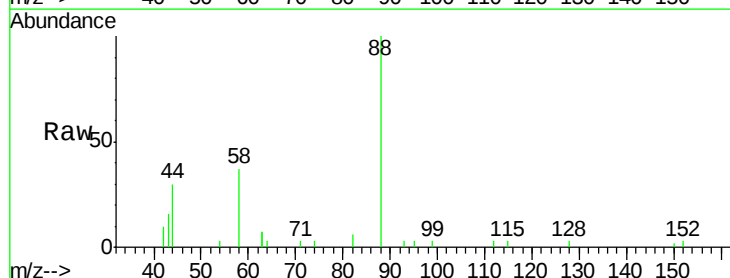
Tgt Ion: 88 Resp: 2452

Ion Ratio Lower Upper

88 100

58 53.3 49.1 73.7

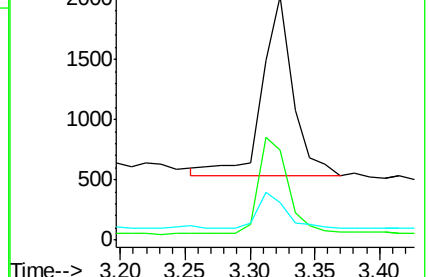
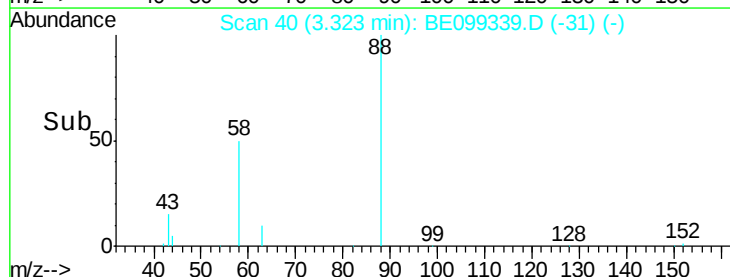
43 18.7 17.9 26.9

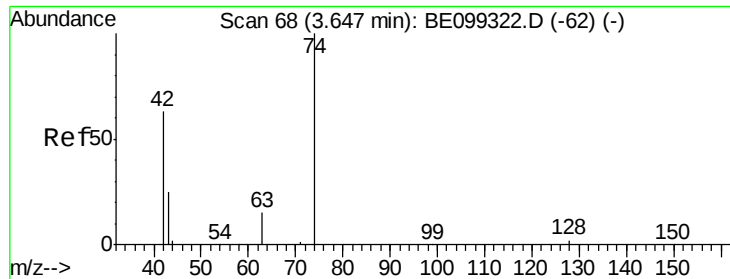


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.366 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE099339.D

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Instrument :

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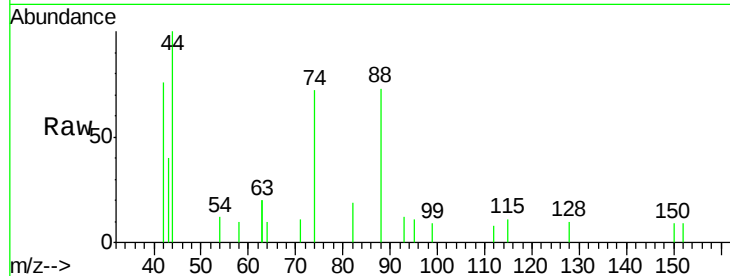
Tgt Ion: 42 Resp: 1053

Ion Ratio Lower Upper

42 100

74 158.1 145.8 218.8

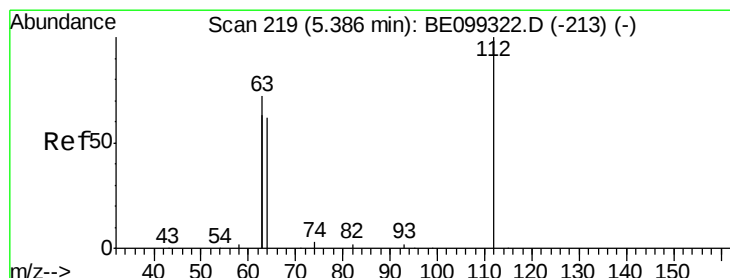
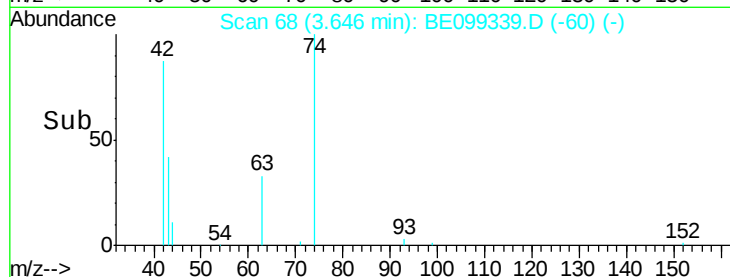
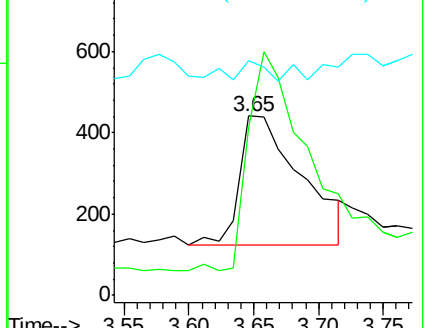
44 7.6 9.0 13.4#



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: 0.422 ng

RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

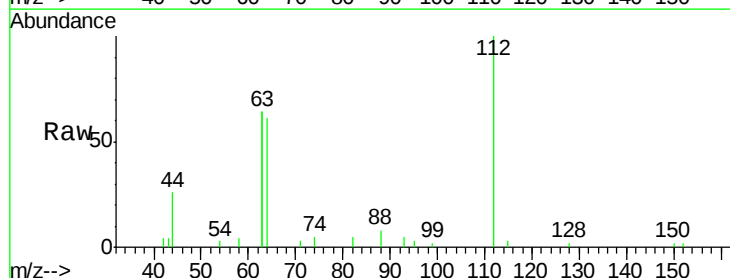
Tgt Ion: 112 Resp: 3932

Ion Ratio Lower Upper

112 100

64 56.1 44.9 67.3

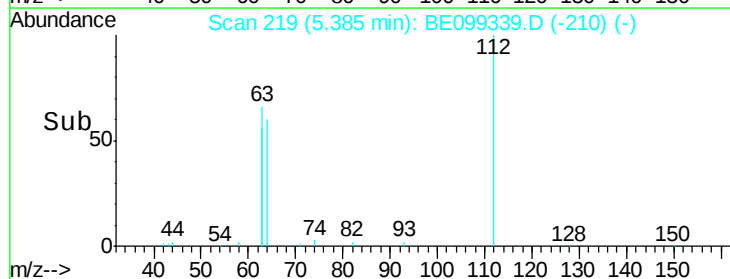
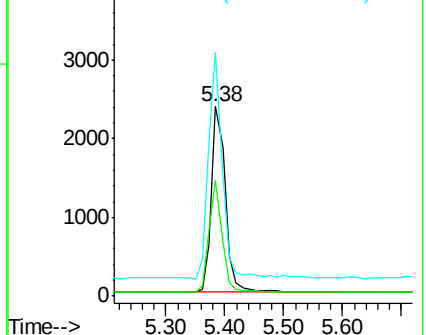
63 115.7 97.4 146.0

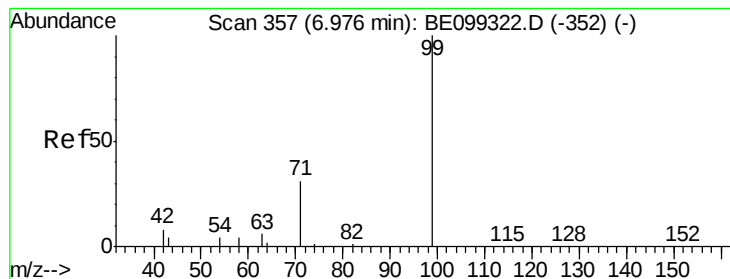


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.410 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

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PB118927BSD

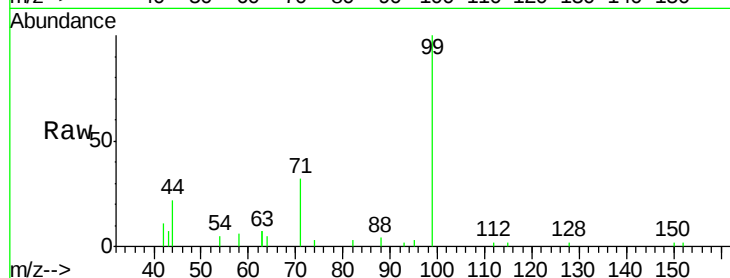
Tgt Ion: 99 Resp: 5454

Ion Ratio Lower Upper

99 100

42 14.5 11.7 17.5

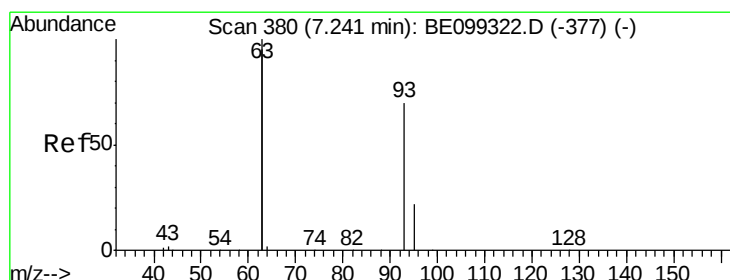
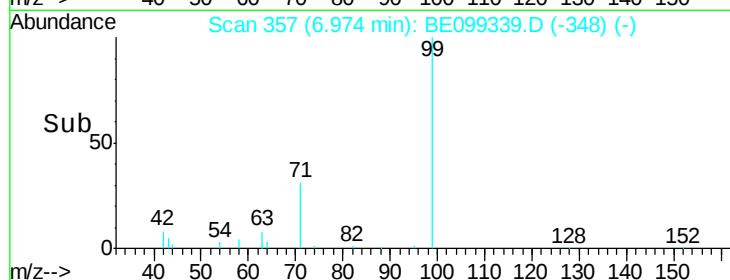
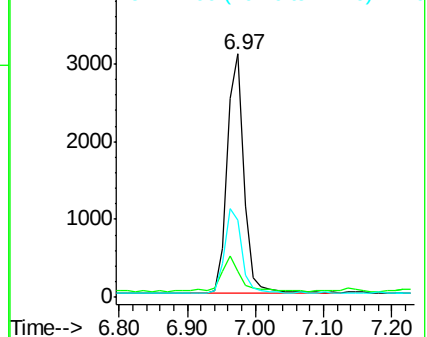
71 35.1 29.6 44.4



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: 0.412 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

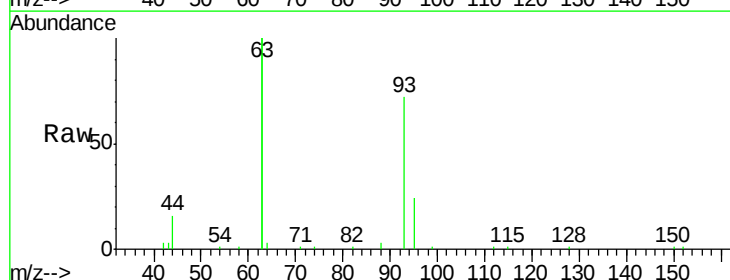
Tgt Ion: 93 Resp: 5117

Ion Ratio Lower Upper

93 100

63 274.3 216.6 324.8

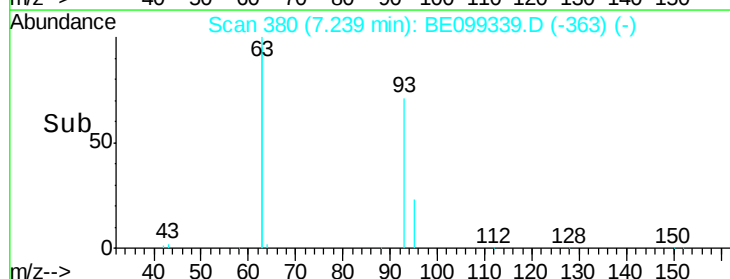
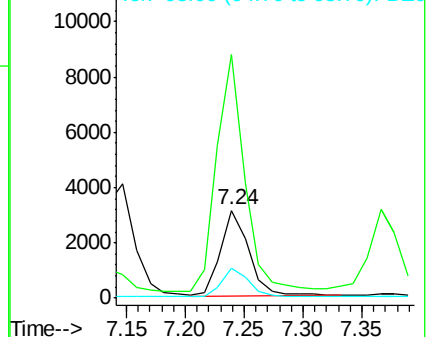
95 33.1 25.8 38.6

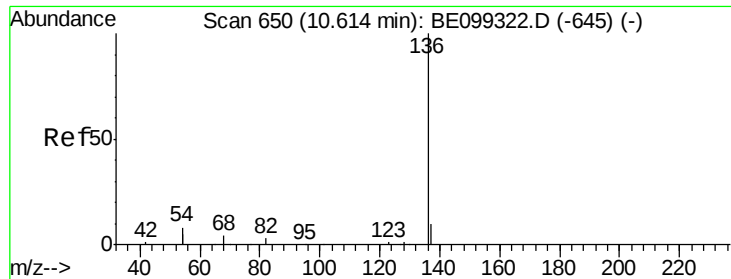


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

Tgt Ion:136 Resp: 15080

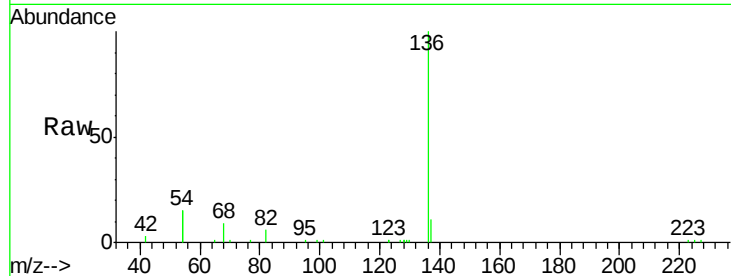
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 30.3 23.8 35.8

68 8.7 6.4 9.6

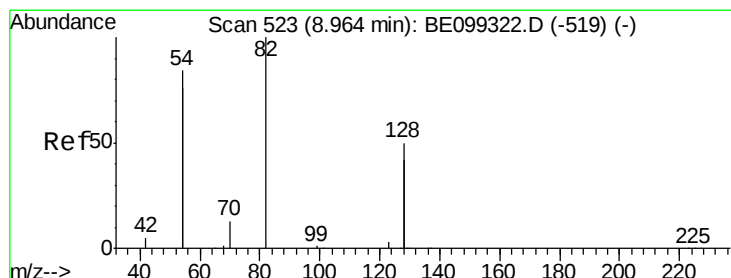
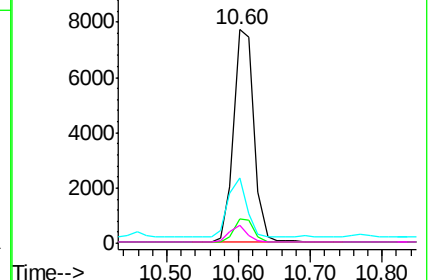
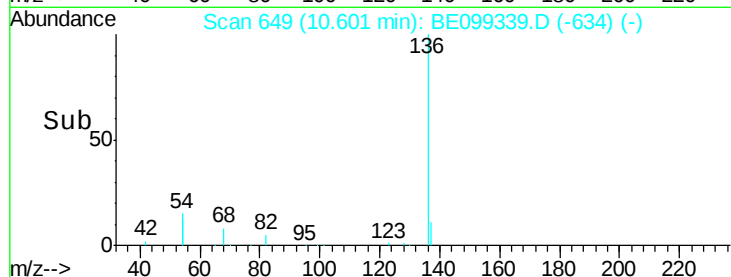


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.383 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

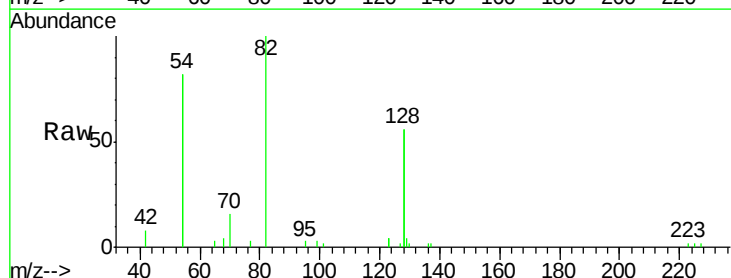
Tgt Ion: 82 Resp: 4482

Ion Ratio Lower Upper

82 100

128 112.4 91.7 137.5

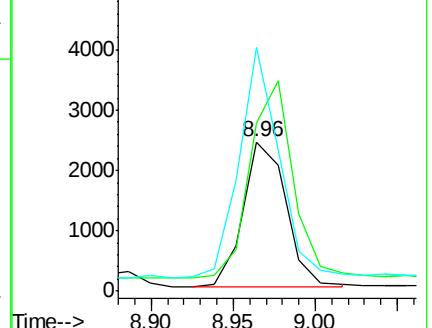
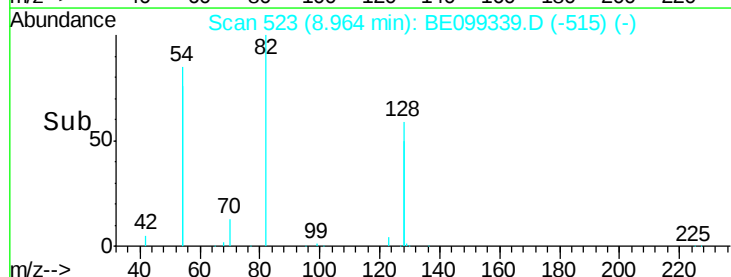
54 163.3 122.8 184.2

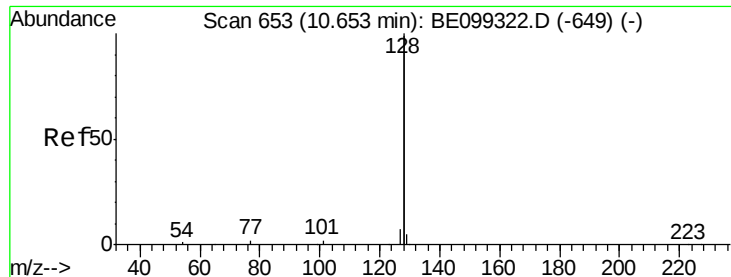


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

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PB118927BSD

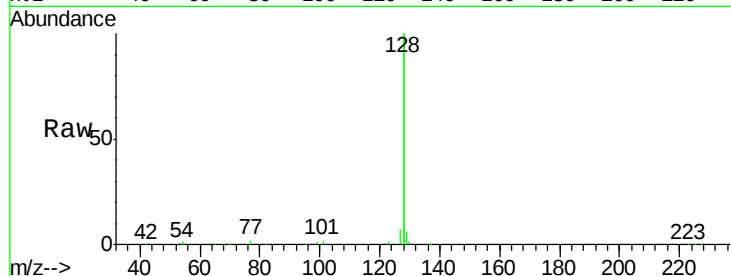
Tgt Ion:128 Resp: 66291

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

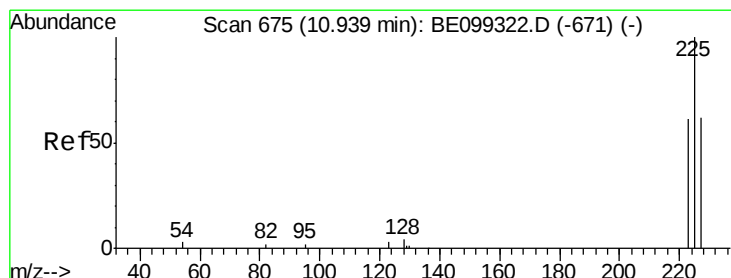
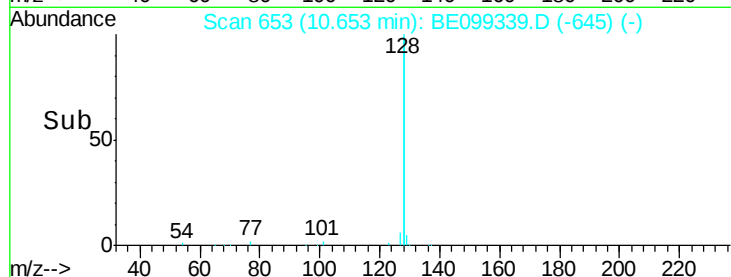
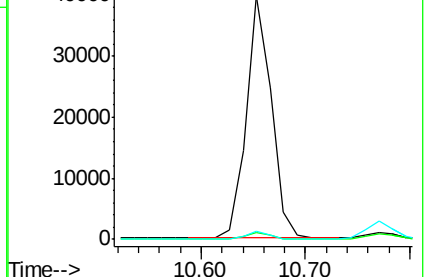
127 3.4 2.8 4.2



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: 0.399 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

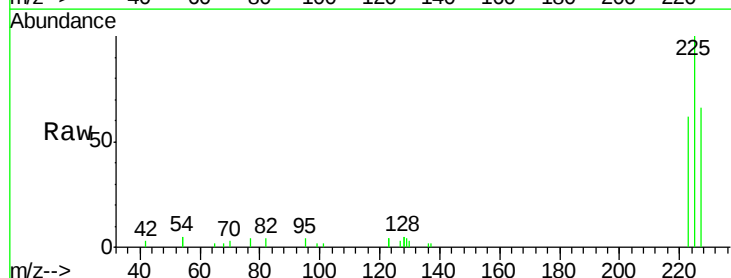
Tgt Ion:225 Resp: 4169

Ion Ratio Lower Upper

225 100

223 64.6 50.3 75.5

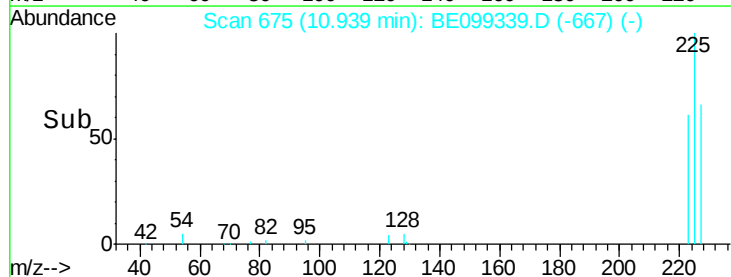
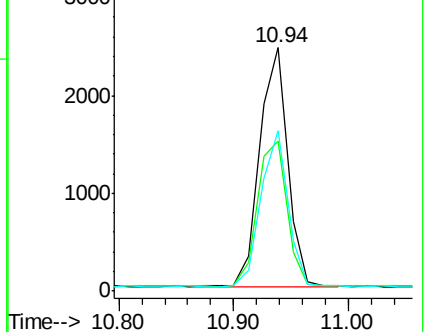
227 63.0 49.4 74.0

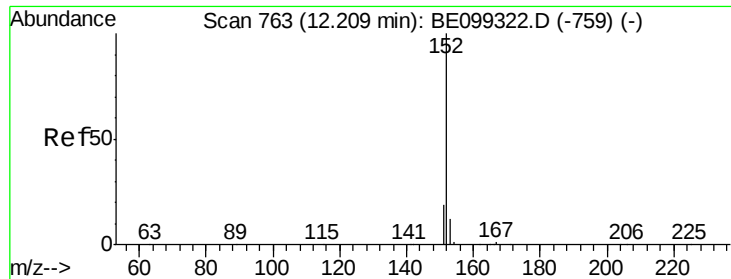


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

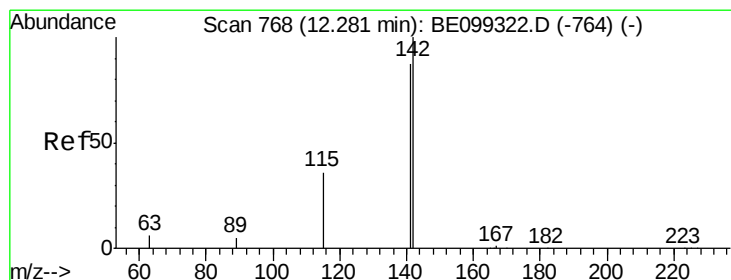
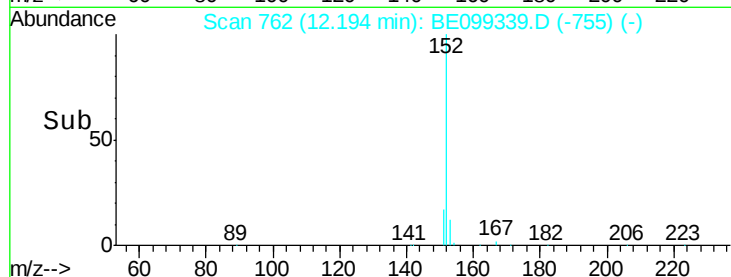
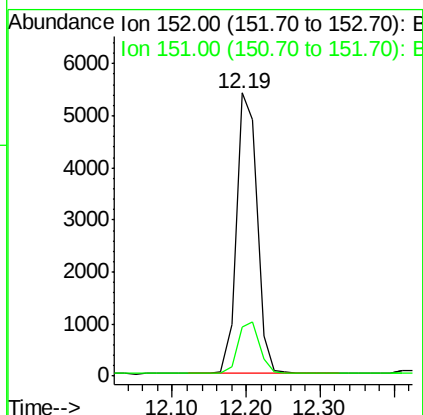
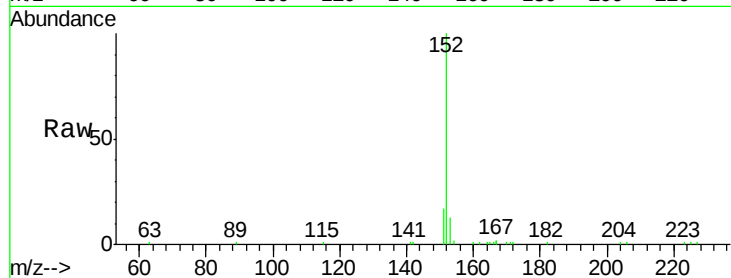




#11
 2-Methylnaphthalene-d10
 Concen: 0.393 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099339.D
 Acq: 18 Apr 2019 16:10

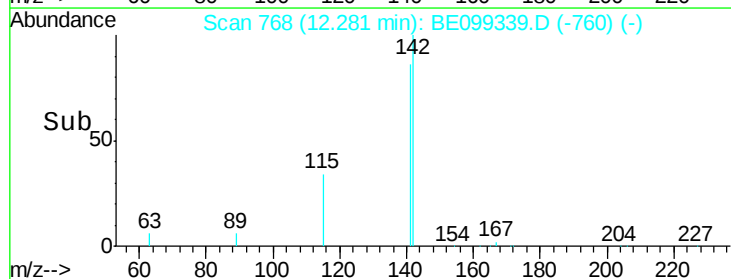
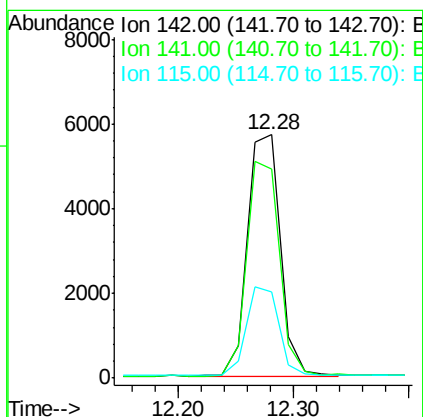
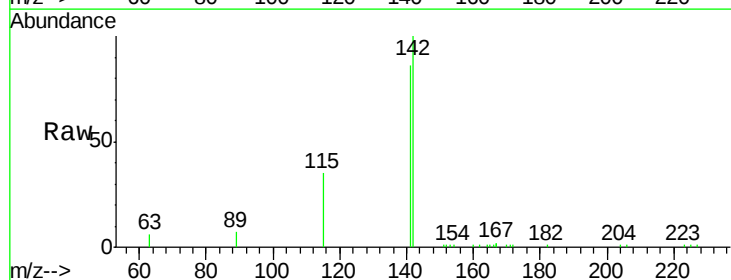
Instrument :
 BNA_E
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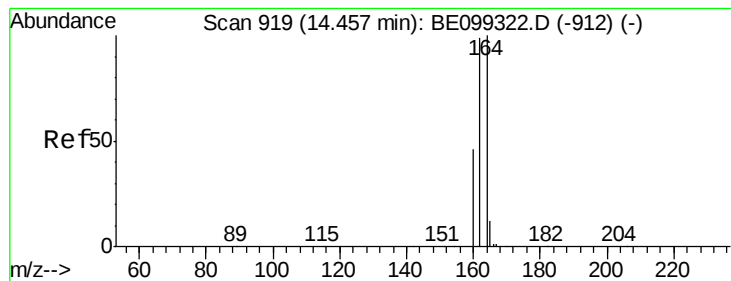
Tgt Ion:152 Resp: 10471
 Ion Ratio Lower Upper
 152 100
 151 20.0 14.9 22.3



#12
 2-Methylnaphthalene
 Concen: 0.402 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099339.D
 Acq: 18 Apr 2019 16:10

Tgt Ion:142 Resp: 11251
 Ion Ratio Lower Upper
 142 100
 141 86.0 72.0 108.0
 115 35.2 33.4 50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

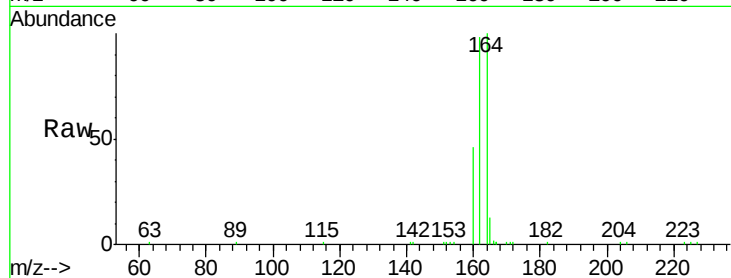
Tgt Ion:164 Resp: 10245

Ion Ratio Lower Upper

164 100

162 98.3 77.8 116.6

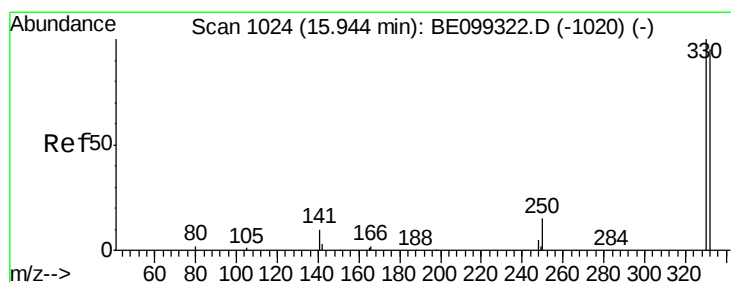
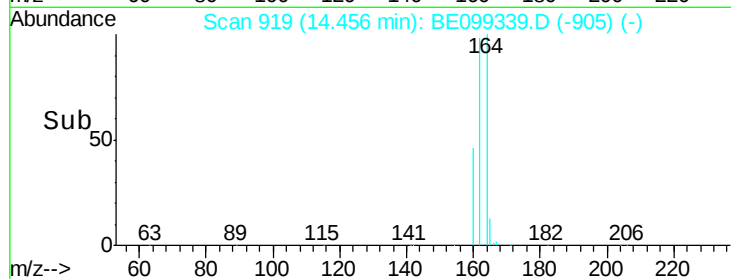
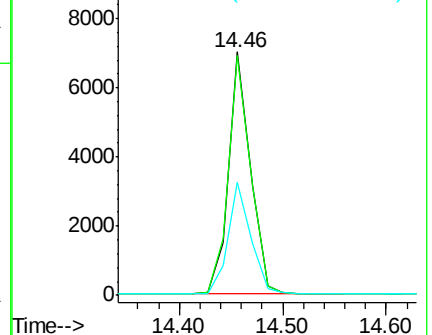
160 46.4 37.1 55.7



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: 0.413 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

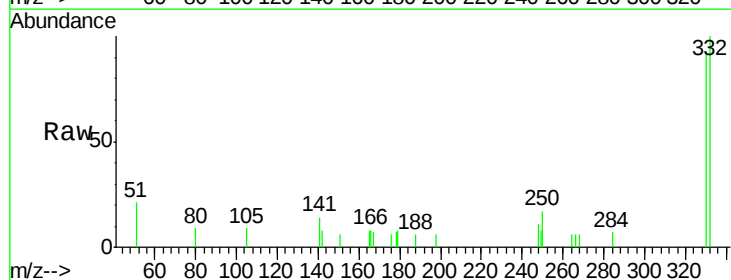
Tgt Ion:330 Resp: 1404

Ion Ratio Lower Upper

330 100

332 97.6 82.5 123.7

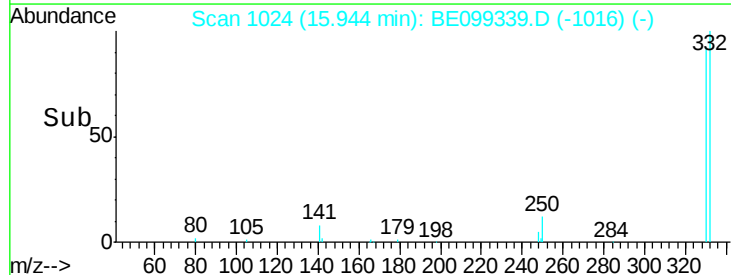
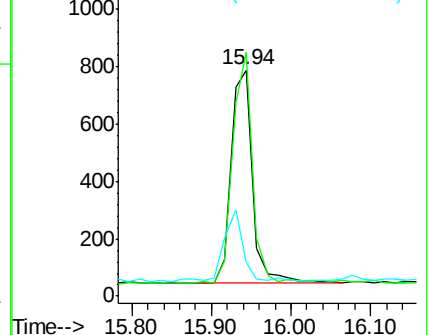
141 29.0 24.9 37.3

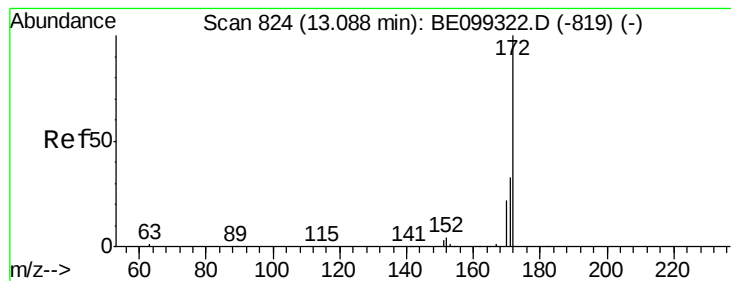


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.410 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

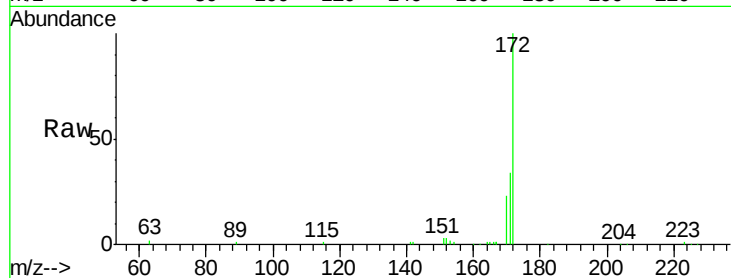
Tgt Ion:172 Resp: 16497

Ion Ratio Lower Upper

172 100

171 34.3 26.2 39.2

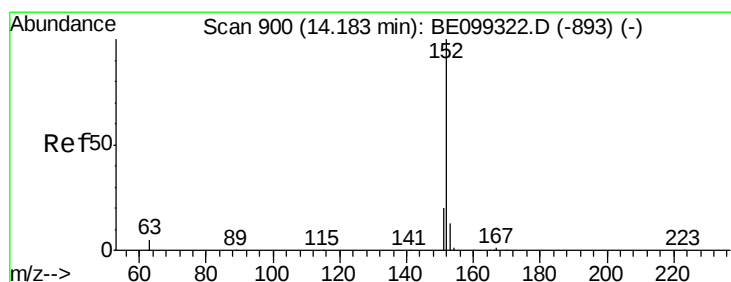
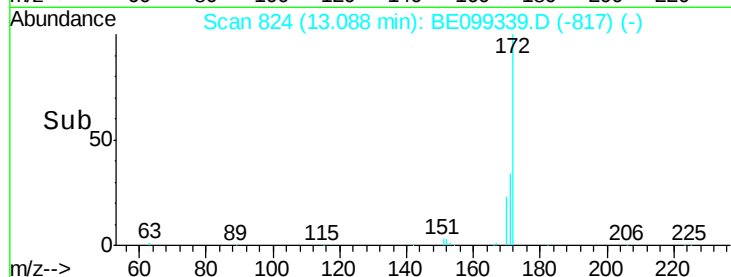
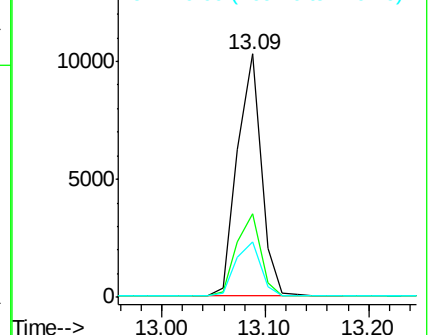
170 23.0 18.1 27.1



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: 0.393 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

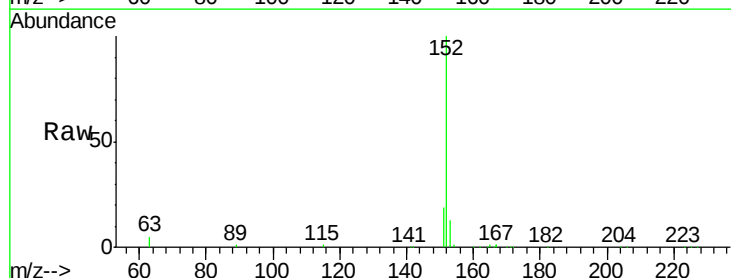
Tgt Ion:152 Resp: 18184

Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3

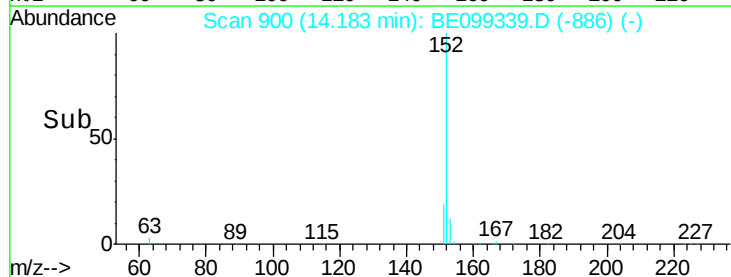
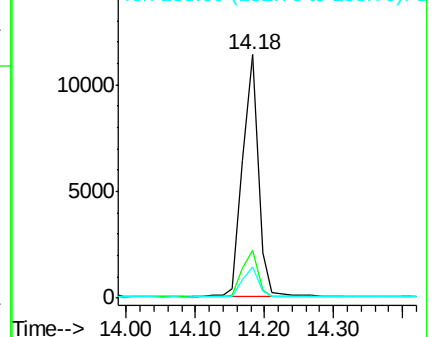
153 13.0 10.2 15.4

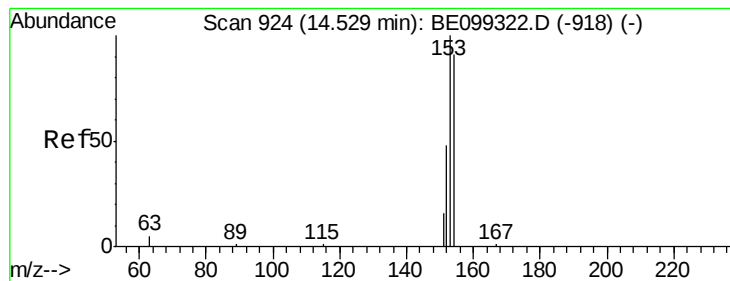


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.402 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

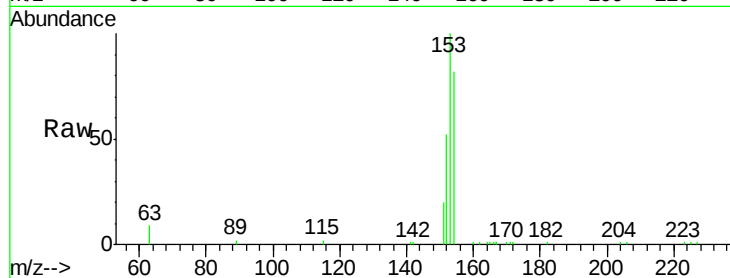
Tgt Ion:154 Resp: 11475

Ion Ratio Lower Upper

154 100

153 117.4 94.7 142.1

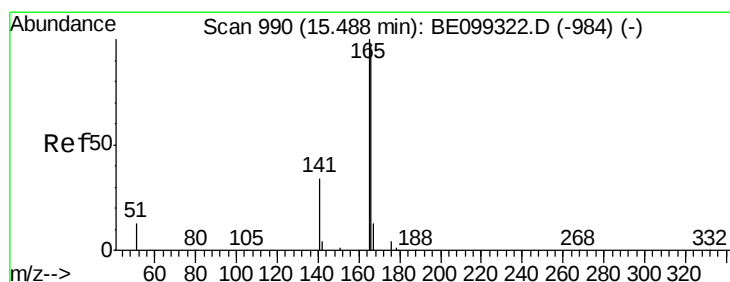
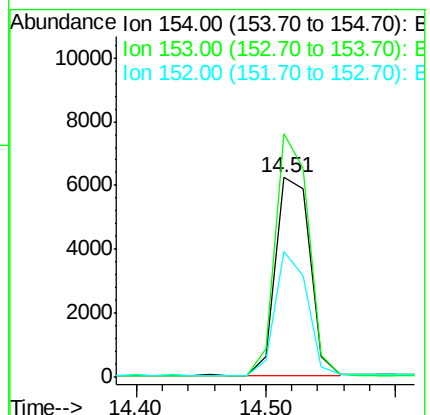
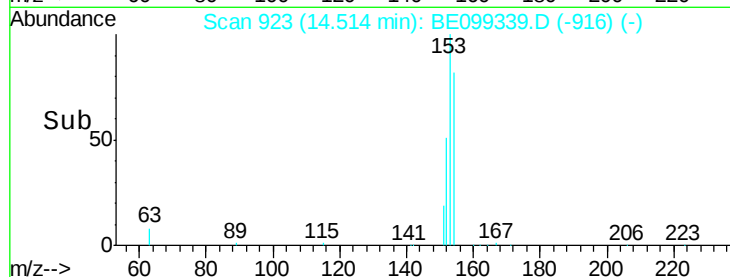
152 58.3 46.4 69.6



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: 0.407 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

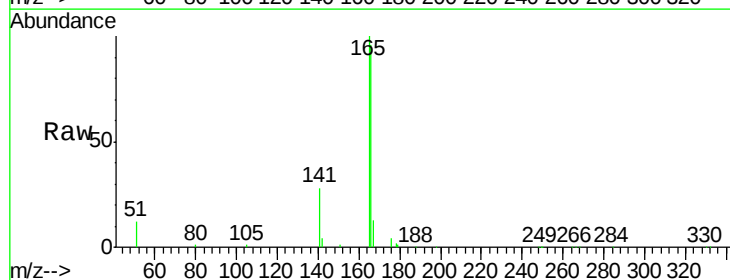
Tgt Ion:166 Resp: 16669

Ion Ratio Lower Upper

166 100

165 99.5 79.7 119.5

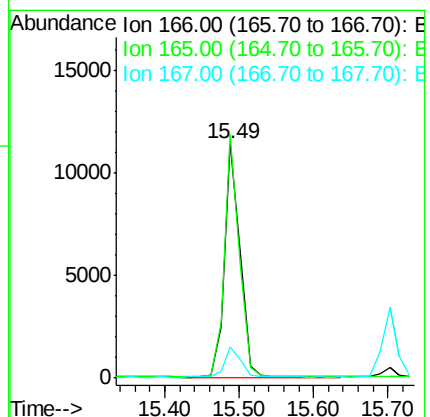
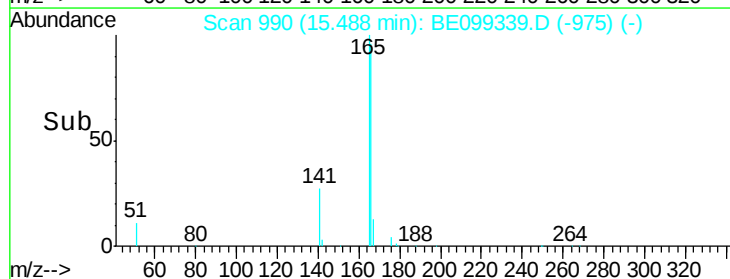
167 13.5 11.0 16.4

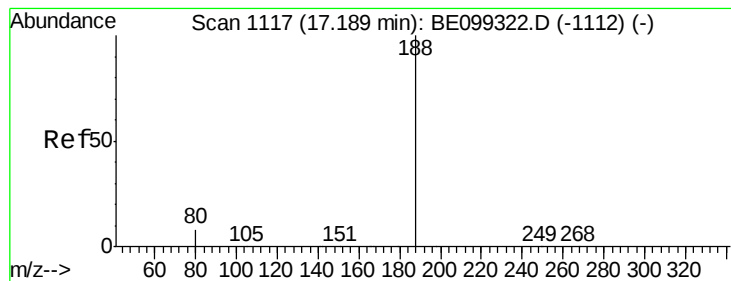


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

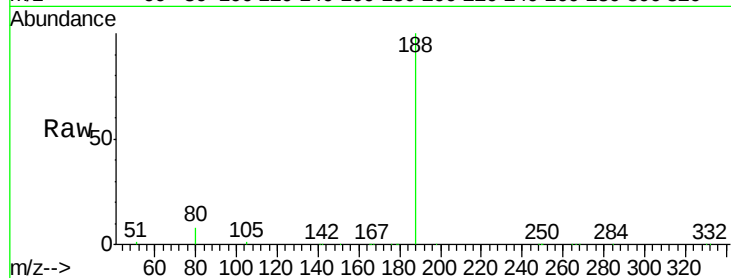
Tgt Ion:188 Resp: 30074

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

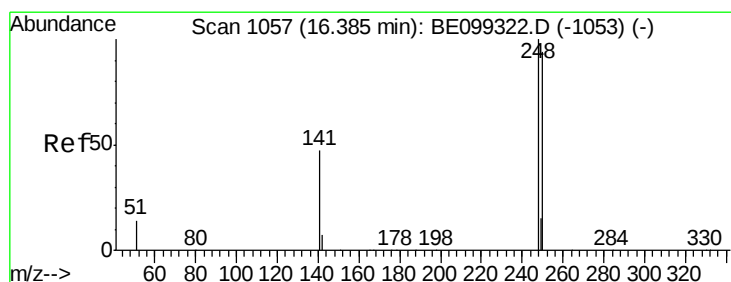
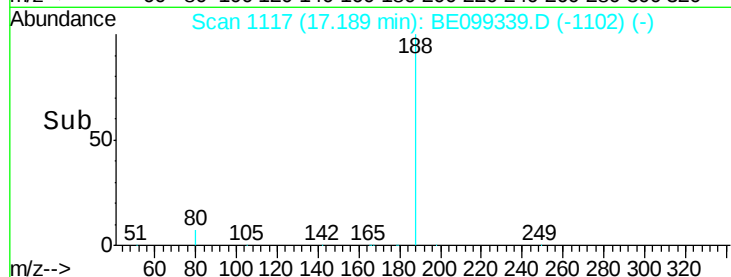
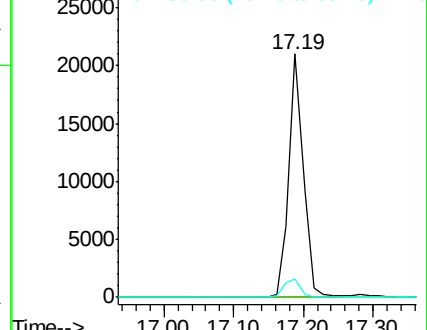
80 7.6 6.2 9.4



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: 0.398 ng

RT: 16.39 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

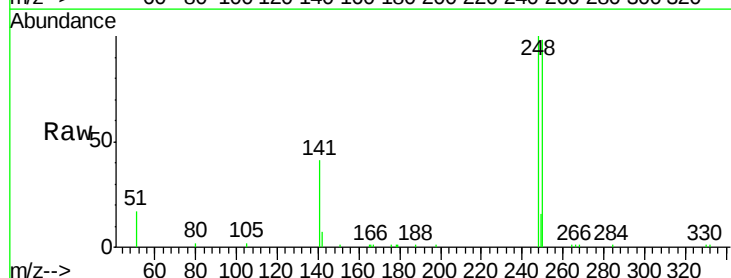
Tgt Ion:248 Resp: 6624

Ion Ratio Lower Upper

248 100

250 97.9 77.0 115.6

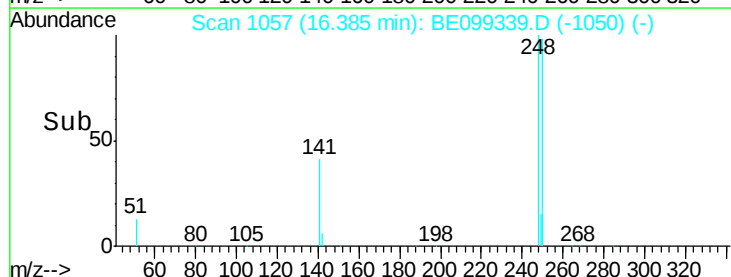
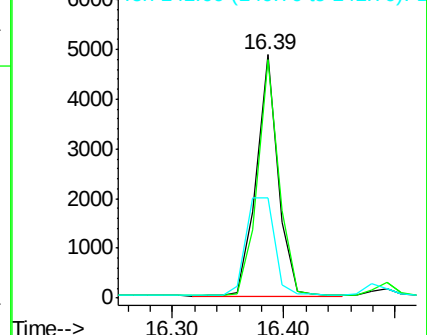
141 41.3 31.1 46.7

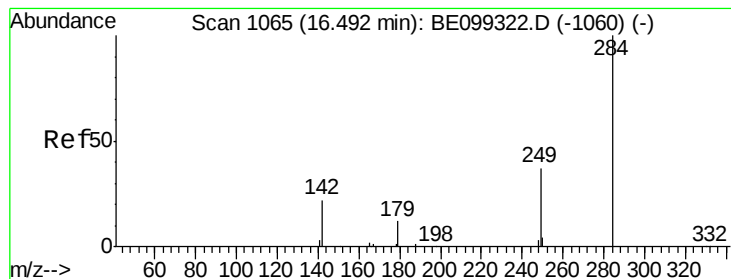


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.406 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

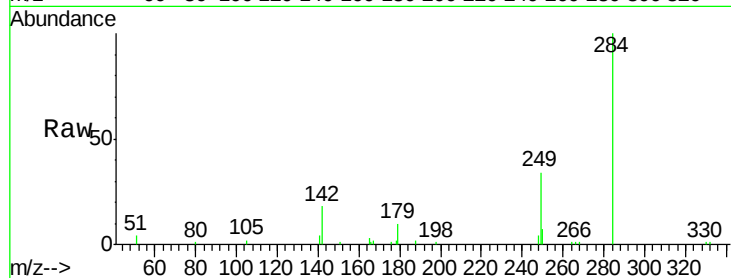
Tgt Ion:284 Resp: 6506

Ion Ratio Lower Upper

284 100

142 27.4 21.8 32.6

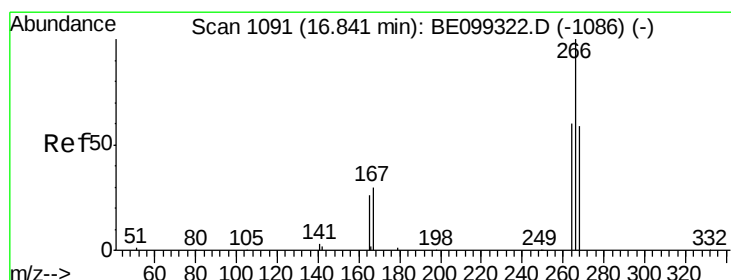
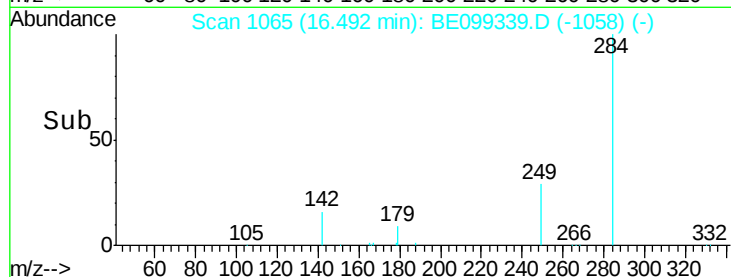
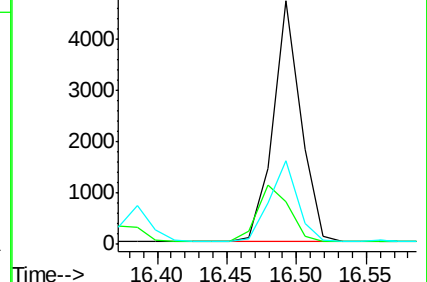
249 33.9 26.2 39.4



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: 0.762 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

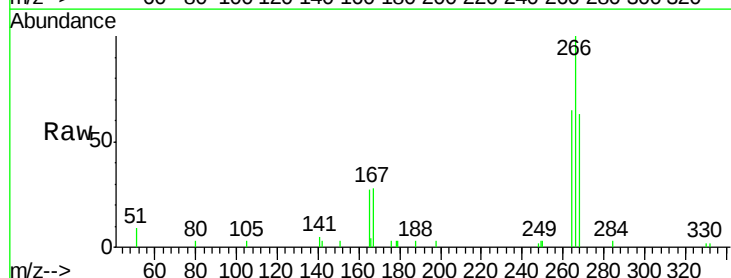
Tgt Ion:266 Resp: 3501

Ion Ratio Lower Upper

266 100

264 65.0 54.5 81.7

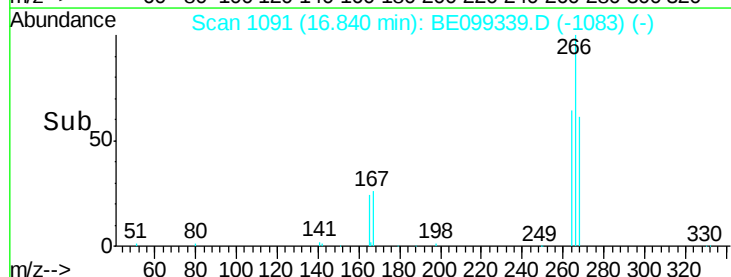
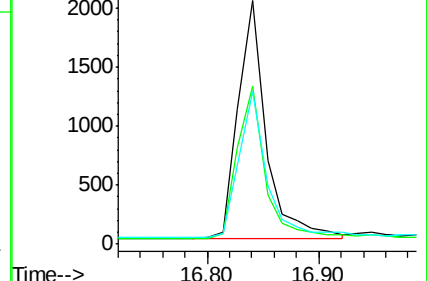
268 62.6 54.3 81.5

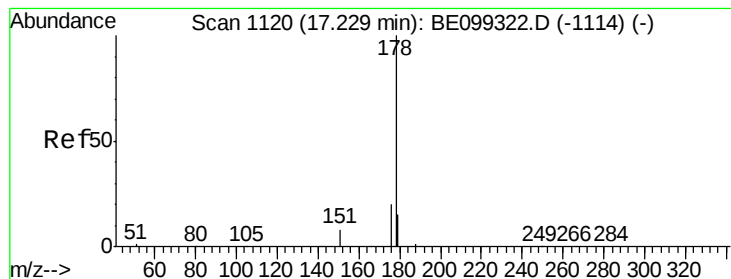


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

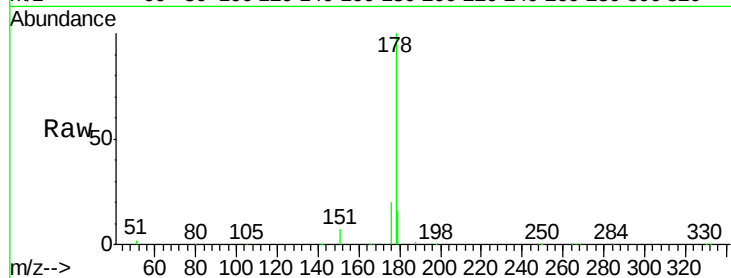
Tgt Ion:178 Resp: 31847

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

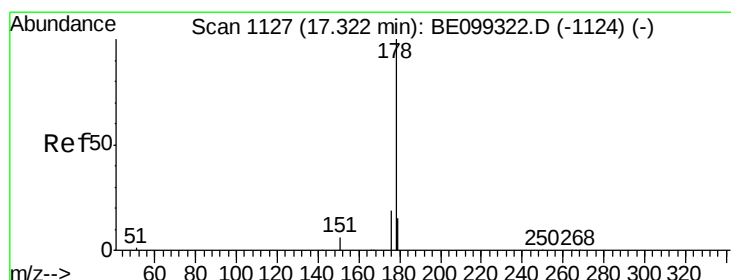
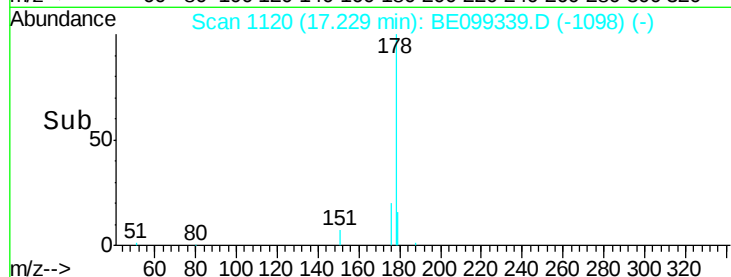
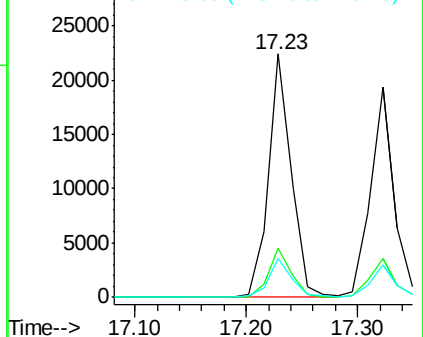
179 15.4 12.4 18.6



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: 0.394 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

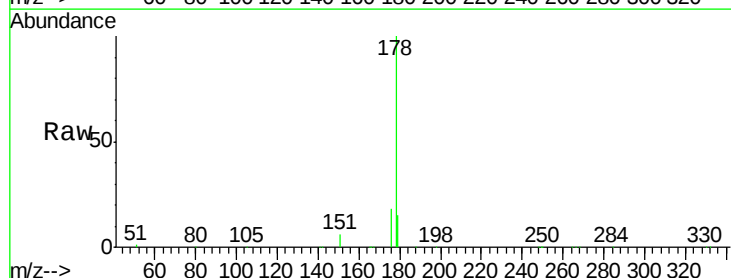
Tgt Ion:178 Resp: 27878

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

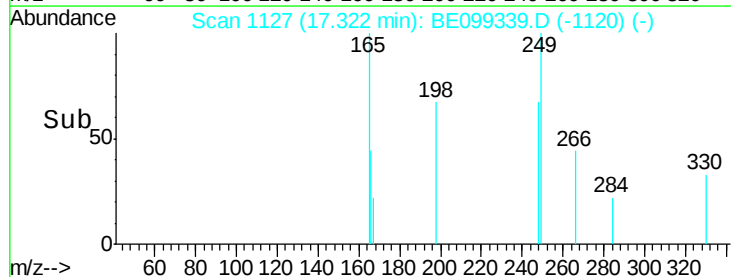
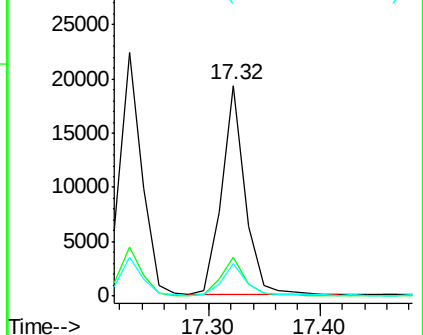
179 15.3 11.9 17.9

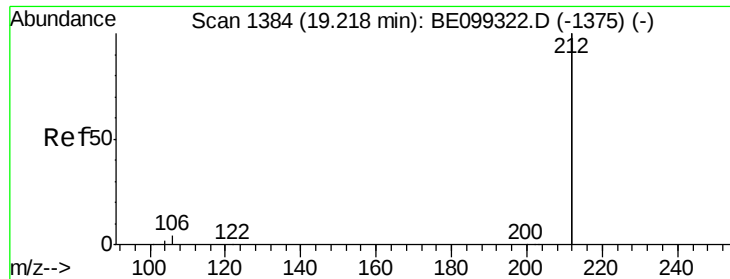


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

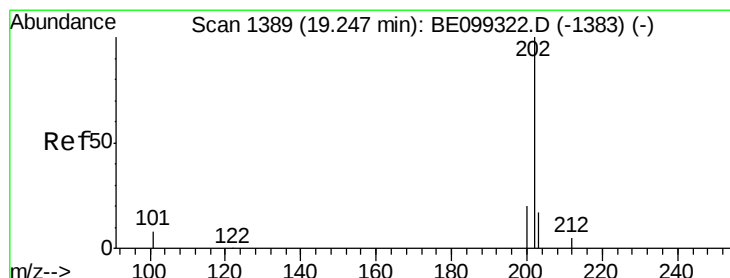
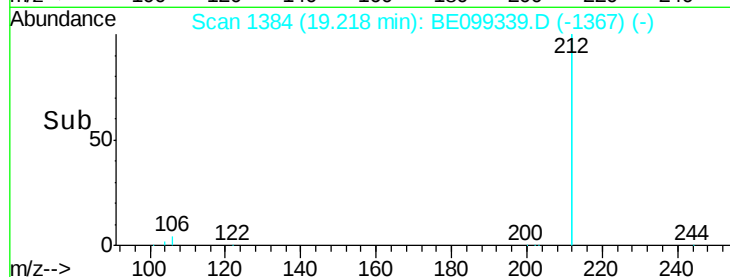
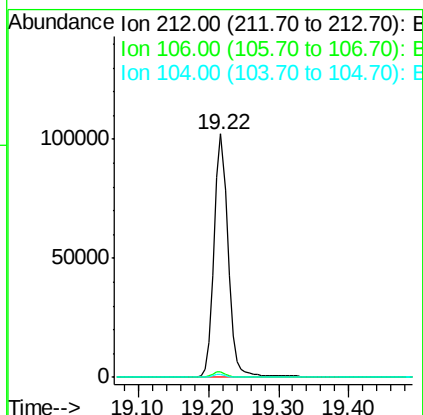
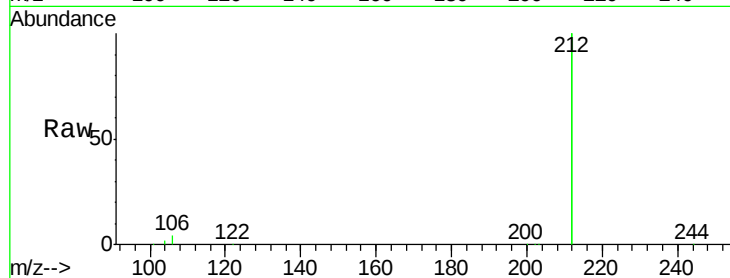




#25
 Fluoranthene-d10
 Concen: 0.388 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BE099339.D
 Acq: 18 Apr 2019 16:10

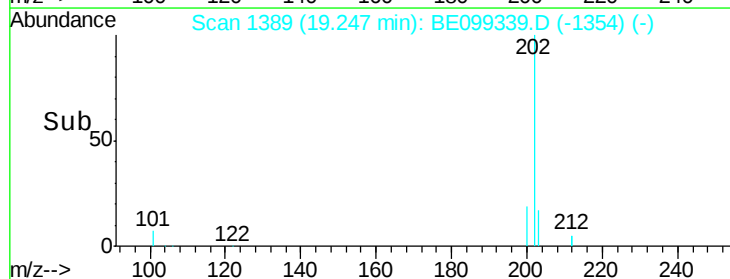
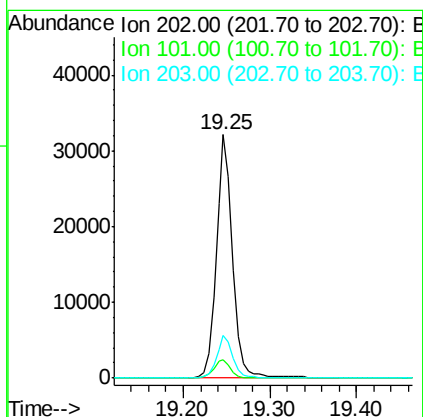
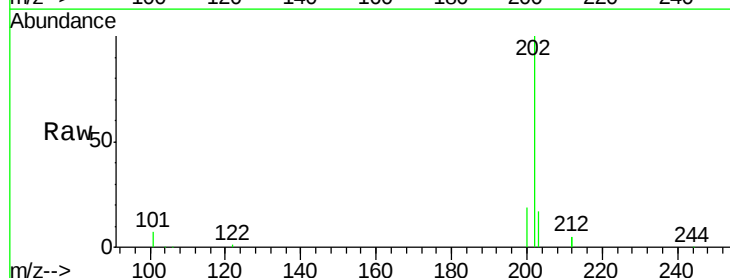
Instrument :
 BNA_E
 ClientSampleId :
 PB118927BSD

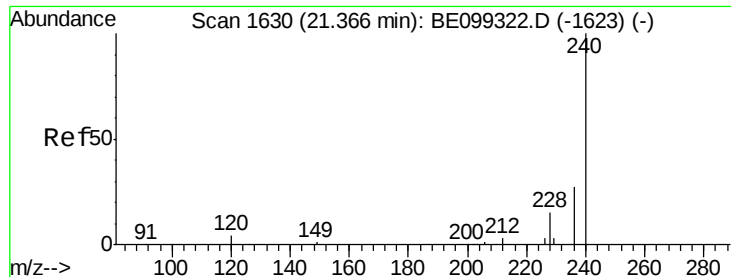
Tgt Ion:212 Resp: 140304
 Ion Ratio Lower Upper
 212 100
 106 2.1 1.8 2.6
 104 1.2 1.0 1.4



#26
 Fluoranthene
 Concen: 0.390 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BE099339.D
 Acq: 18 Apr 2019 16:10

Tgt Ion:202 Resp: 41589
 Ion Ratio Lower Upper
 202 100
 101 7.8 6.4 9.6
 203 17.1 13.5 20.3

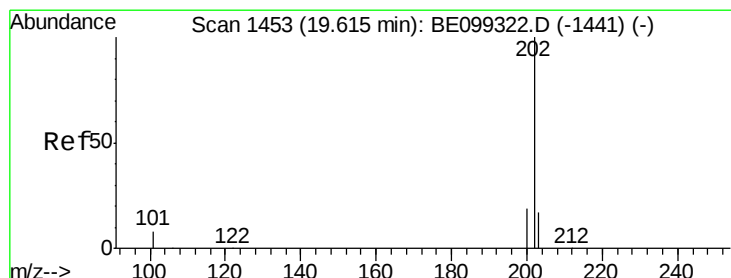
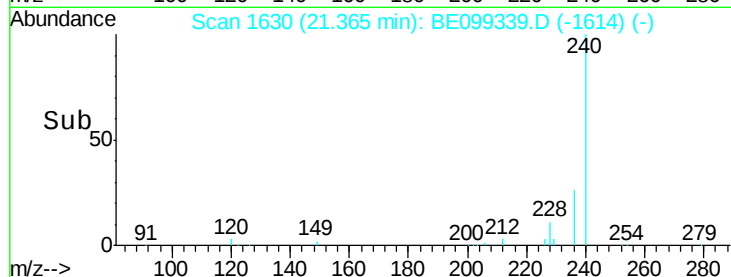
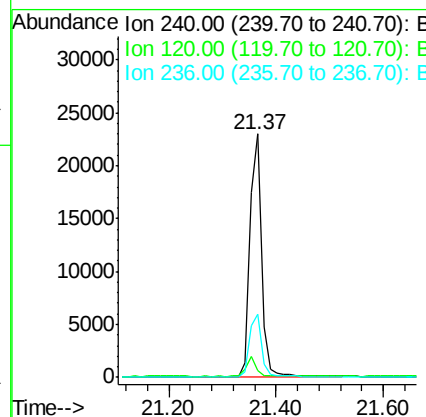
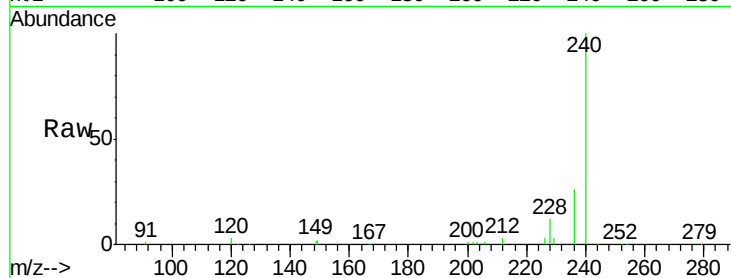




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099339.D
 Acq: 18 Apr 2019 16:10

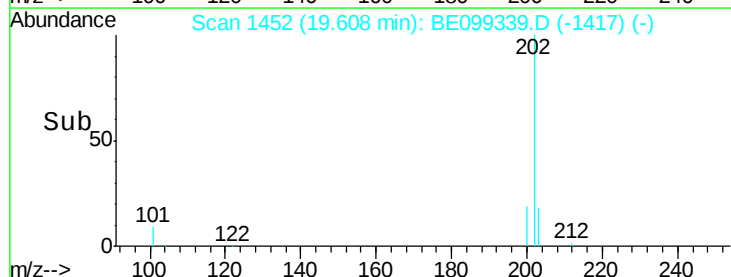
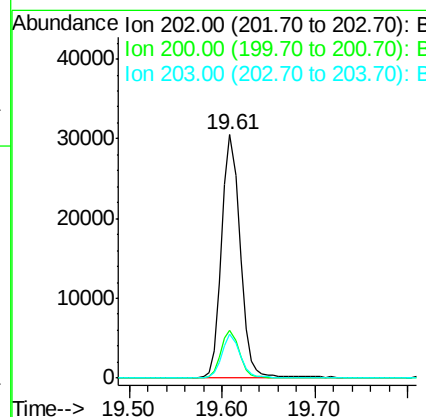
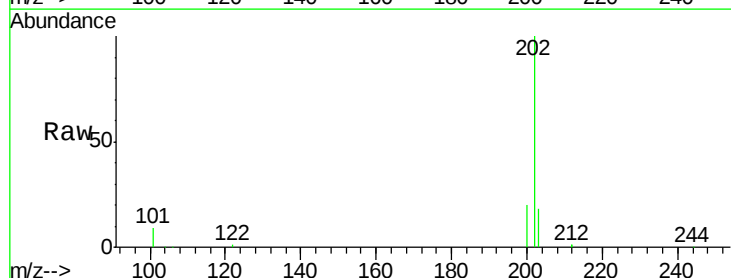
Instrument :
 BNA_E
 ClientSampleId :
 PB118927BSD

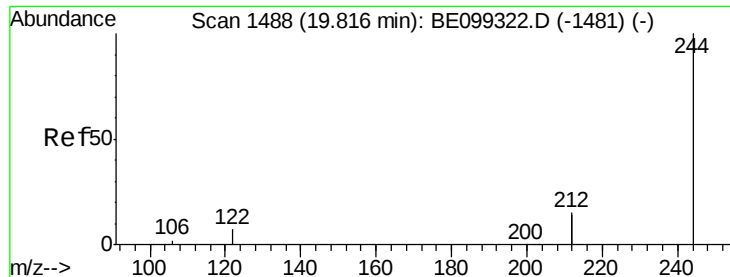
Tgt Ion: 240 Resp: 35332
 Ion Ratio Lower Upper
 240 100
 120 3.1 2.2 3.2
 236 26.0 20.2 30.4



#28
 Pyrene
 Concen: 0.406 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BE099339.D
 Acq: 18 Apr 2019 16:10

Tgt Ion: 202 Resp: 42262
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.7 23.5
 203 17.3 13.7 20.5





#29

Terphenyl-d14

Concen: 0.408 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

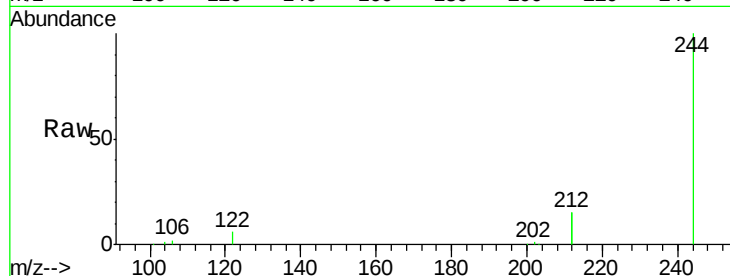
Tgt Ion:244 Resp: 28407

Ion Ratio Lower Upper

244 100

212 29.3 22.6 33.8

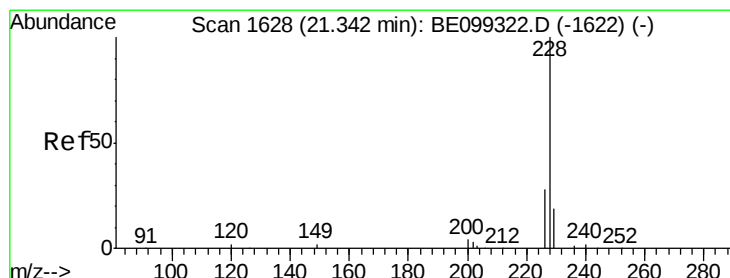
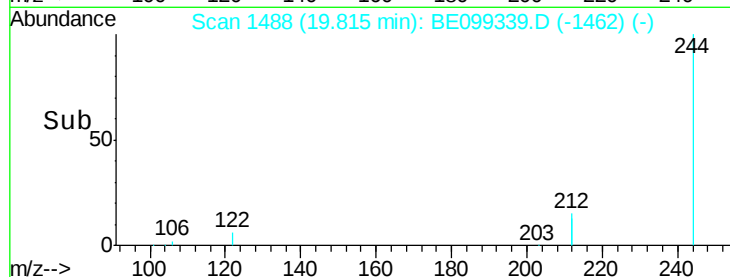
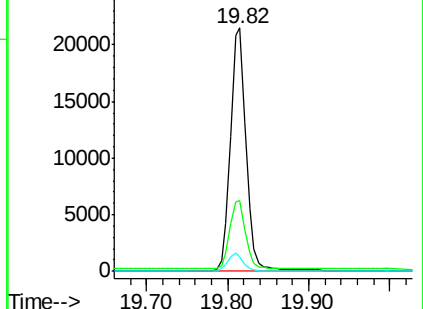
122 5.9 4.6 7.0



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: 0.388 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

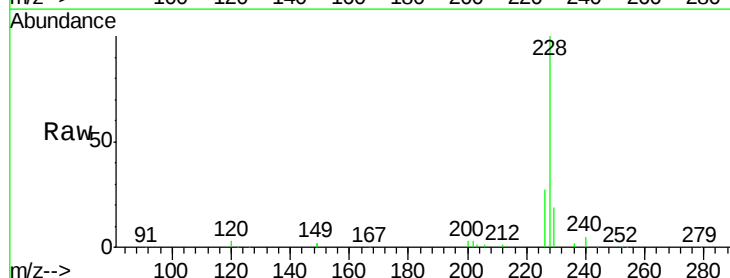
Tgt Ion:228 Resp: 40262

Ion Ratio Lower Upper

228 100

226 27.2 22.0 33.0

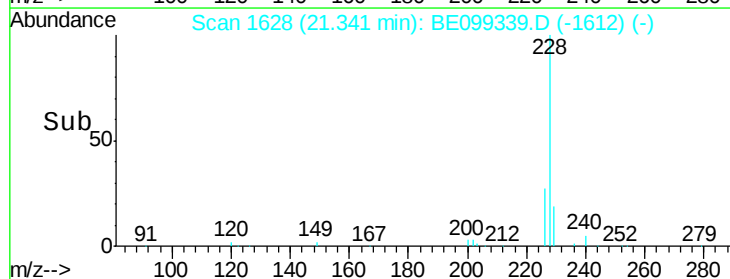
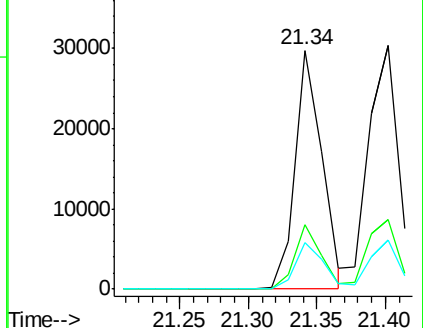
229 19.4 15.8 23.8

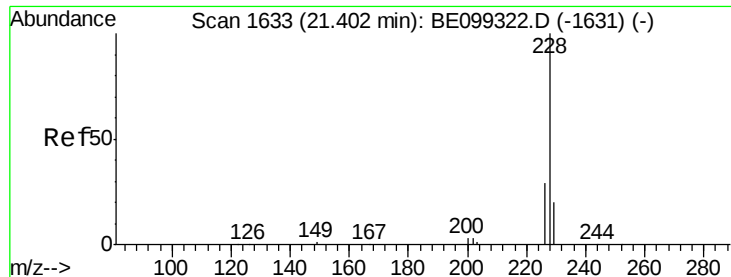


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.417 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

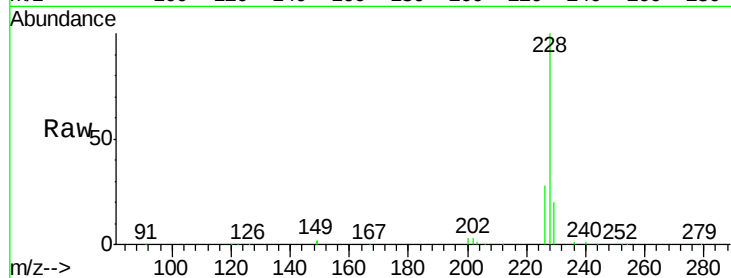
Tgt Ion:228 Resp: 46080

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

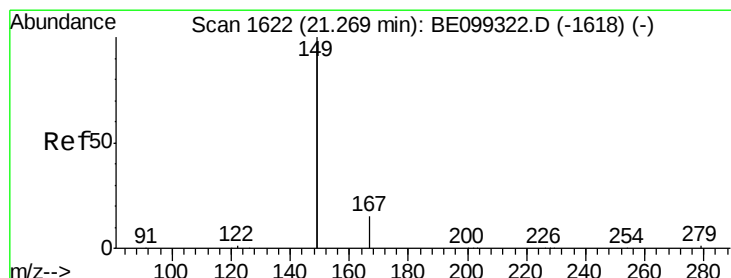
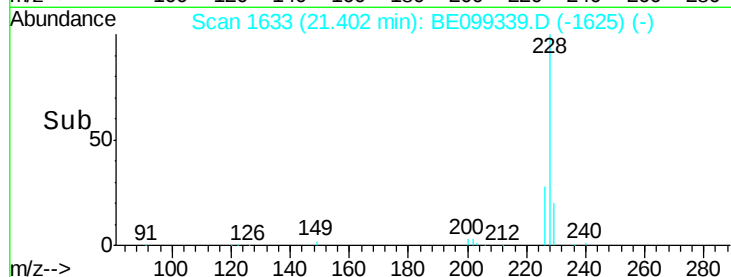
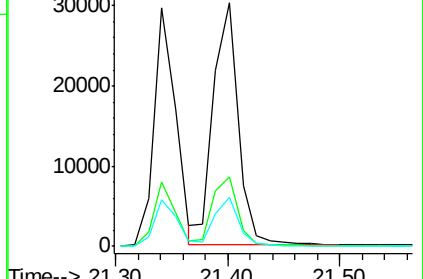
229 20.2 16.2 24.2



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: 0.357 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

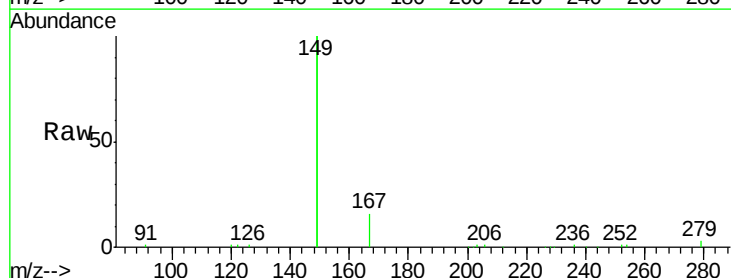
Tgt Ion:149 Resp: 33767

Ion Ratio Lower Upper

149 100

167 7.4 6.0 9.0

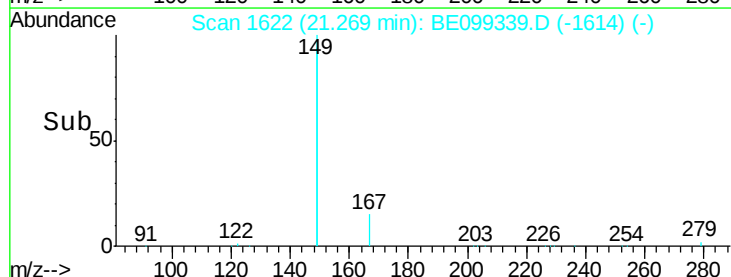
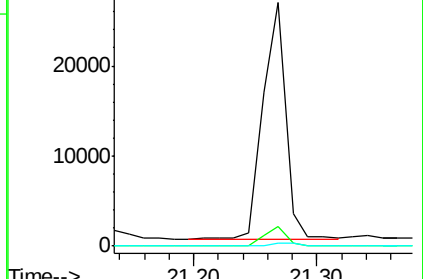
279 1.3 1.1 1.7

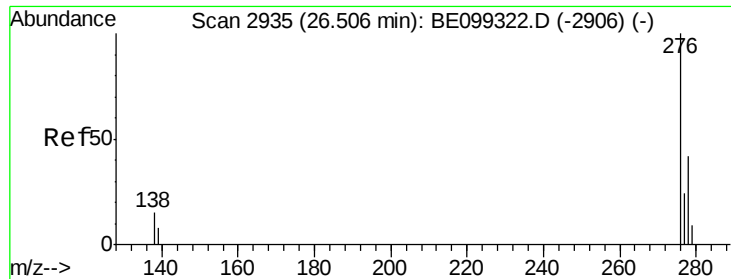


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.423 ng

RT: 26.50 min Scan# 2932

Delta R.T. 0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

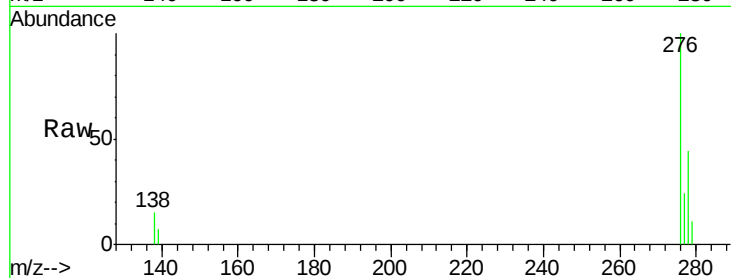
Tgt Ion:276 Resp: 46199

Ion Ratio Lower Upper

276 100

138 15.8 12.7 19.1

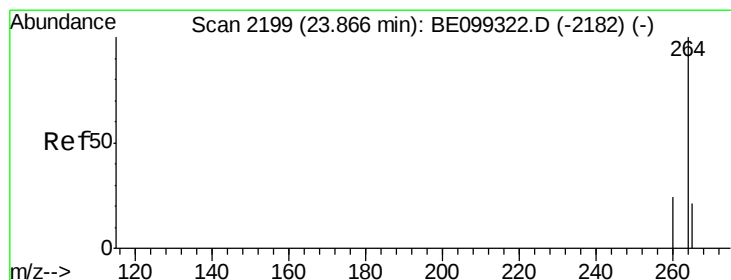
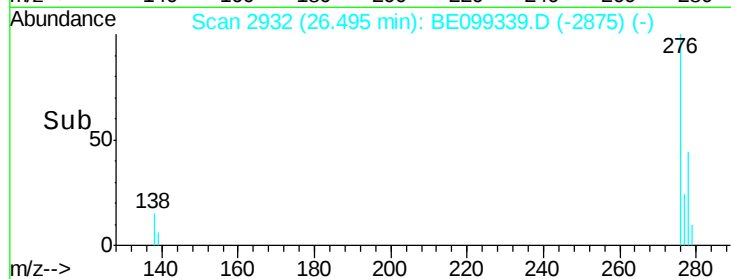
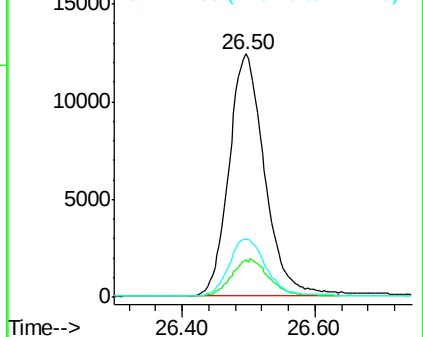
277 24.2 19.6 29.4



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: BE099339.D

Acq: 18 Apr 2019 16:10

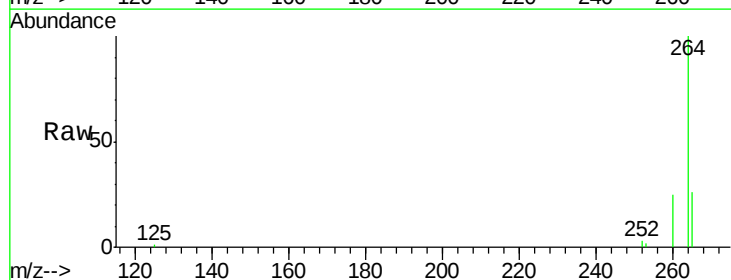
Tgt Ion:264 Resp: 33889

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

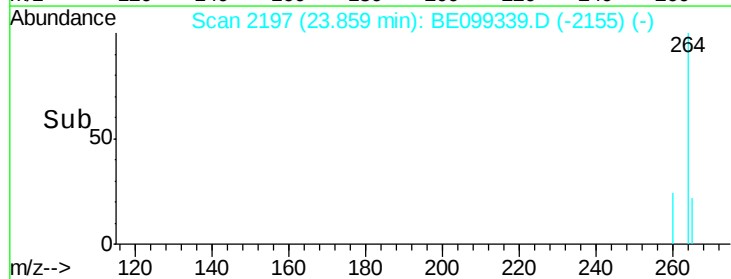
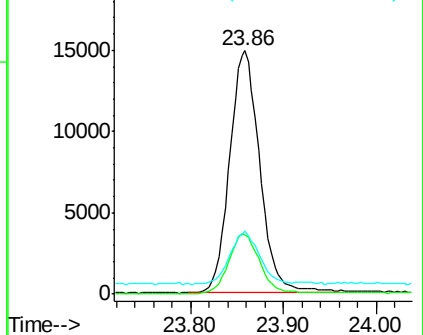
265 26.0 19.9 29.9

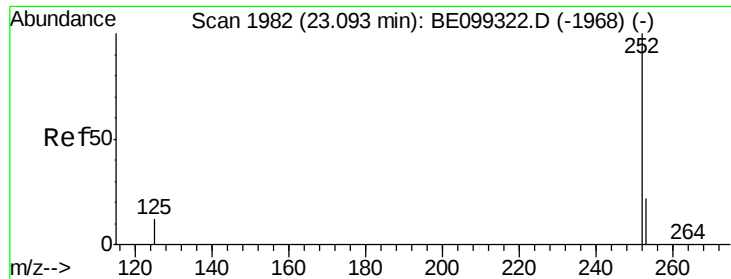


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.403 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.05 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

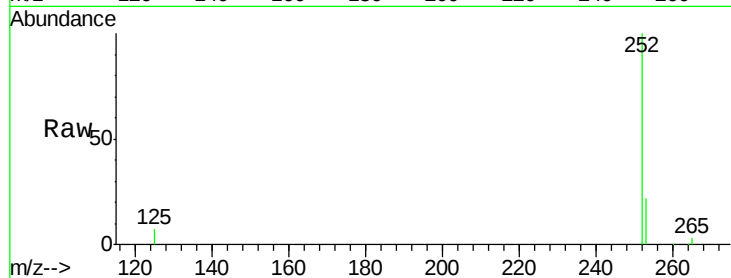
Tgt Ion:252 Resp: 41820

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

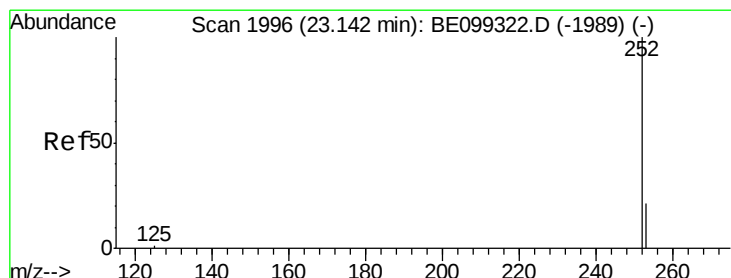
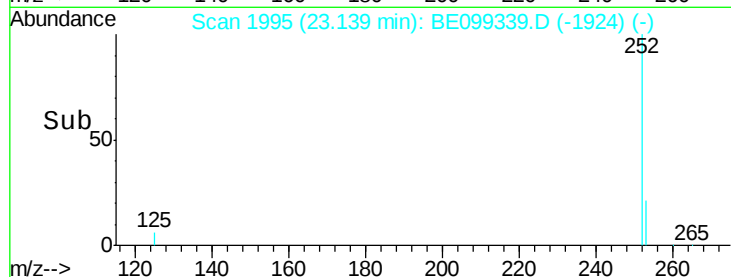
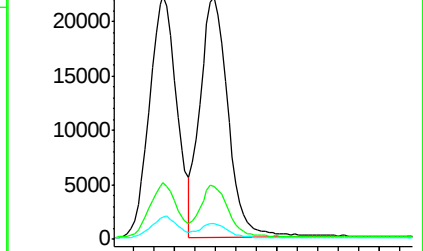
125 6.7 5.8 8.6



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: 0.404 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

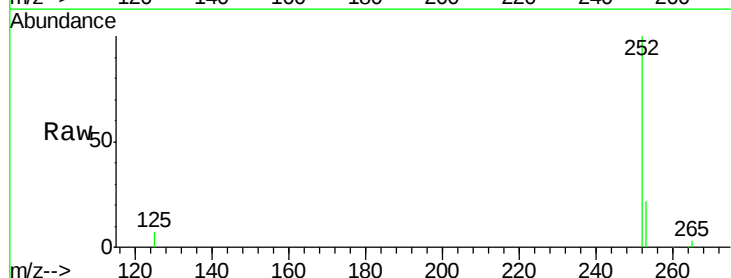
Tgt Ion:252 Resp: 41820

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

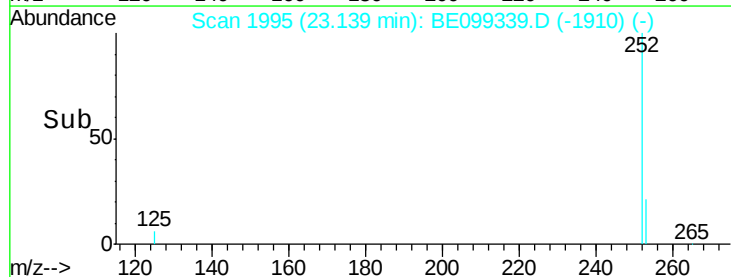
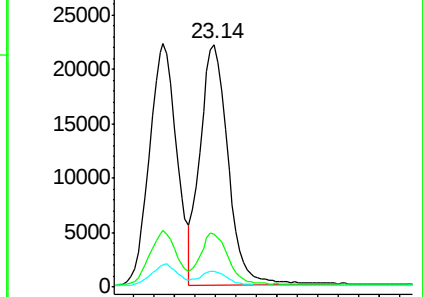
125 6.7 5.4 8.0

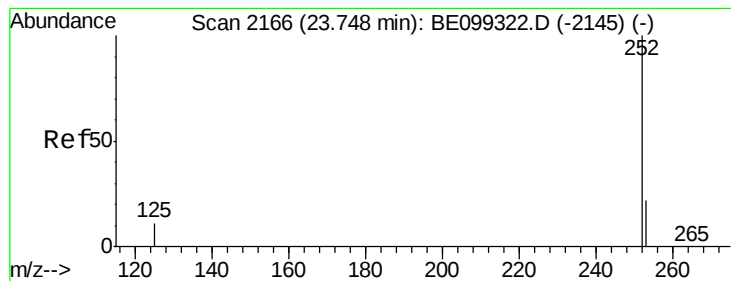


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.402 ng

RT: 23.74 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD

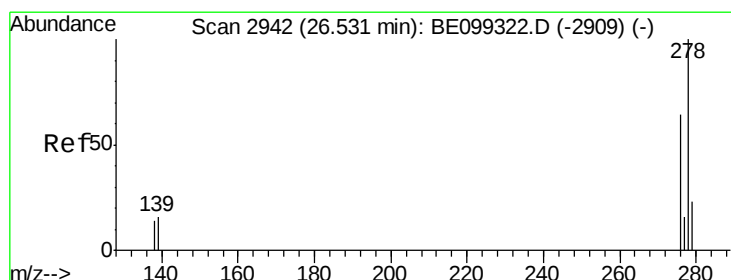
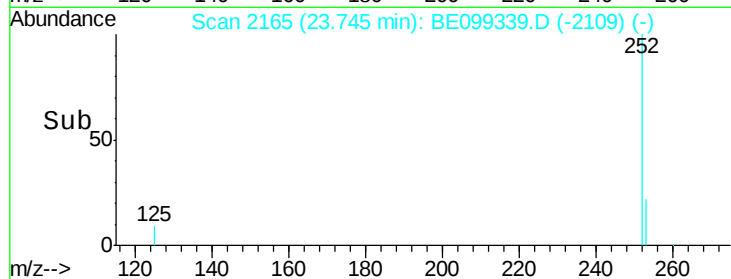
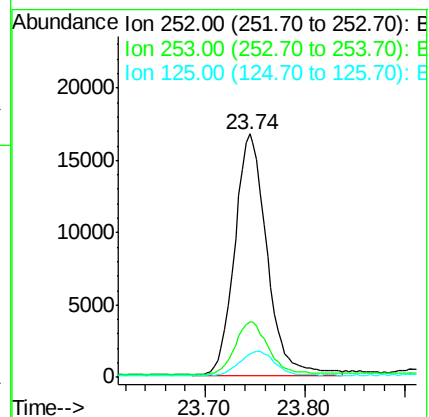
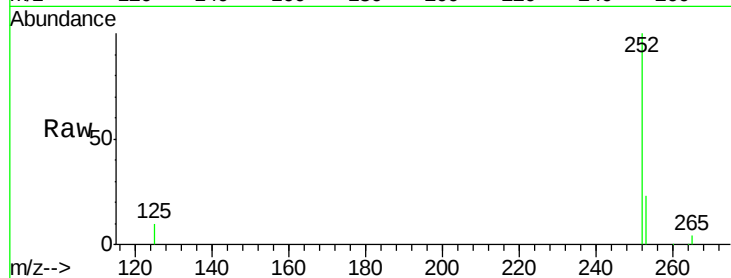
Tgt Ion:252 Resp: 37324

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.6 6.5 9.7



#38

Dibenzo(a,h)anthracene

Concen: 0.402 ng

RT: 26.52 min Scan# 2939

Delta R.T. -0.00 min

Lab File: BE099339.D

Acq: 18 Apr 2019 16:10

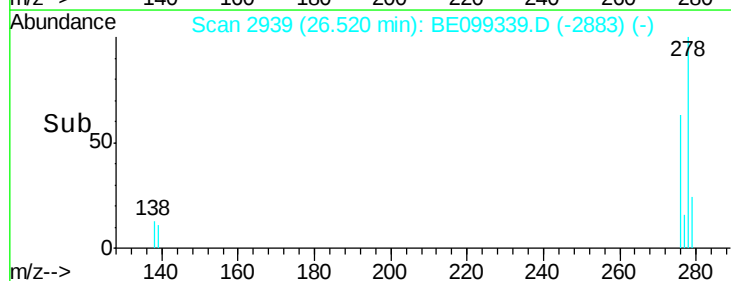
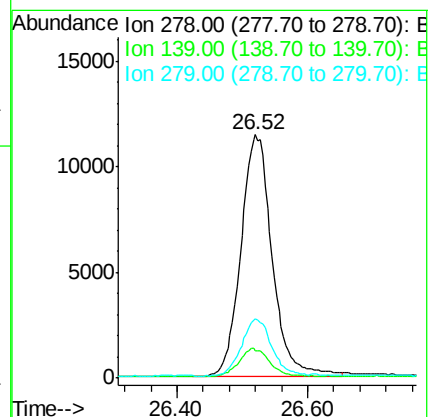
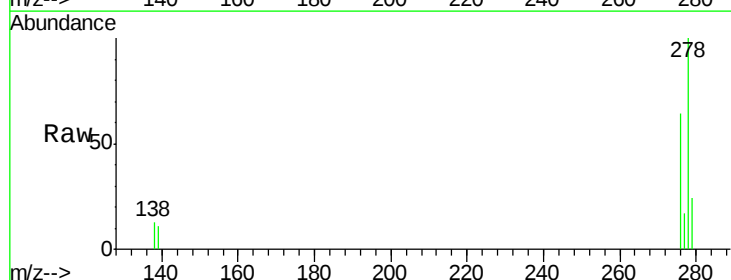
Tgt Ion:278 Resp: 38220

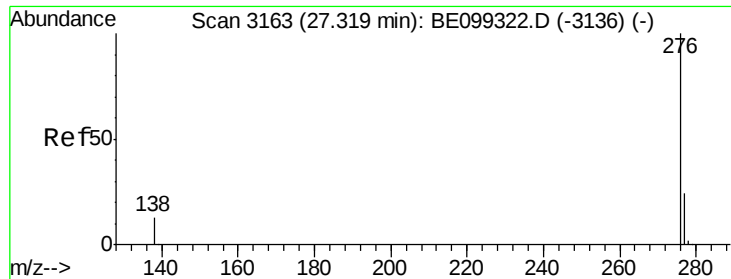
Ion Ratio Lower Upper

278 100

139 11.1 8.5 12.7

279 24.3 19.8 29.8





#39

Benzo(g,h,i)perylene

Concen: 0.399 ng

RT: 27.31 min Scan# 3161

Delta R.T. 0.01 min

Lab File: BE099339.D

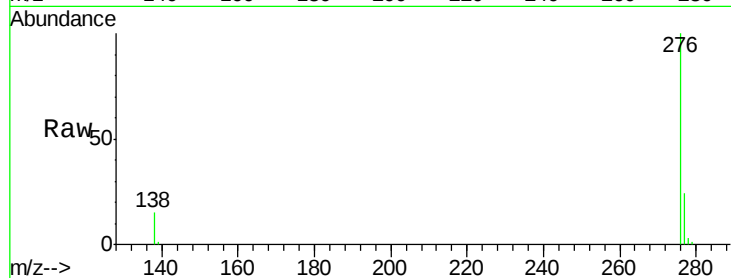
Acq: 18 Apr 2019 16:10

Instrument :

BNA_E

ClientSampleId :

PB118927BSD



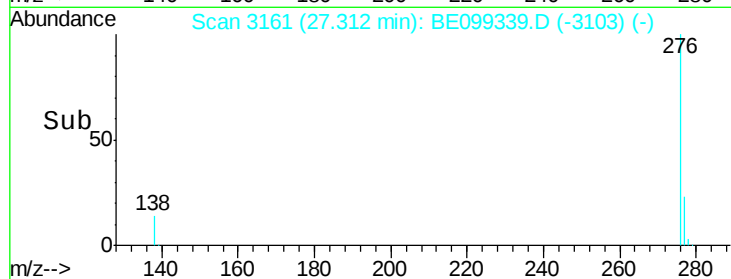
Tgt Ion: 276 Resp: 38432

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 14.5 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

