

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099107.D
 Acq On : 23 Mar 2019 12:01
 Operator : JU/SJ
 Sample : PB118176BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB118176BS

Quant Time: Mar 23 22:35:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4562	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	16948	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	10271	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24785	0.40	ng	0.00
27) Chrysene-d12	21.38	240	33138	0.40	ng	-0.01
34) Perylene-d12	23.89	264	38632	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	4807	0.35	ng	0.00
5) Phenol-d6	7.00	99	6354	0.32	ng	0.00
8) Nitrobenzene-d5	8.99	82	4000	0.54	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	15189	0.50	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1204	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14206	0.35	ng	-0.02
25) Fluoranthene-d10	19.24	212	94194	0.28	ng	0.00
29) Terphenyl-d14	19.83	244	19102	0.27	ng	0.00

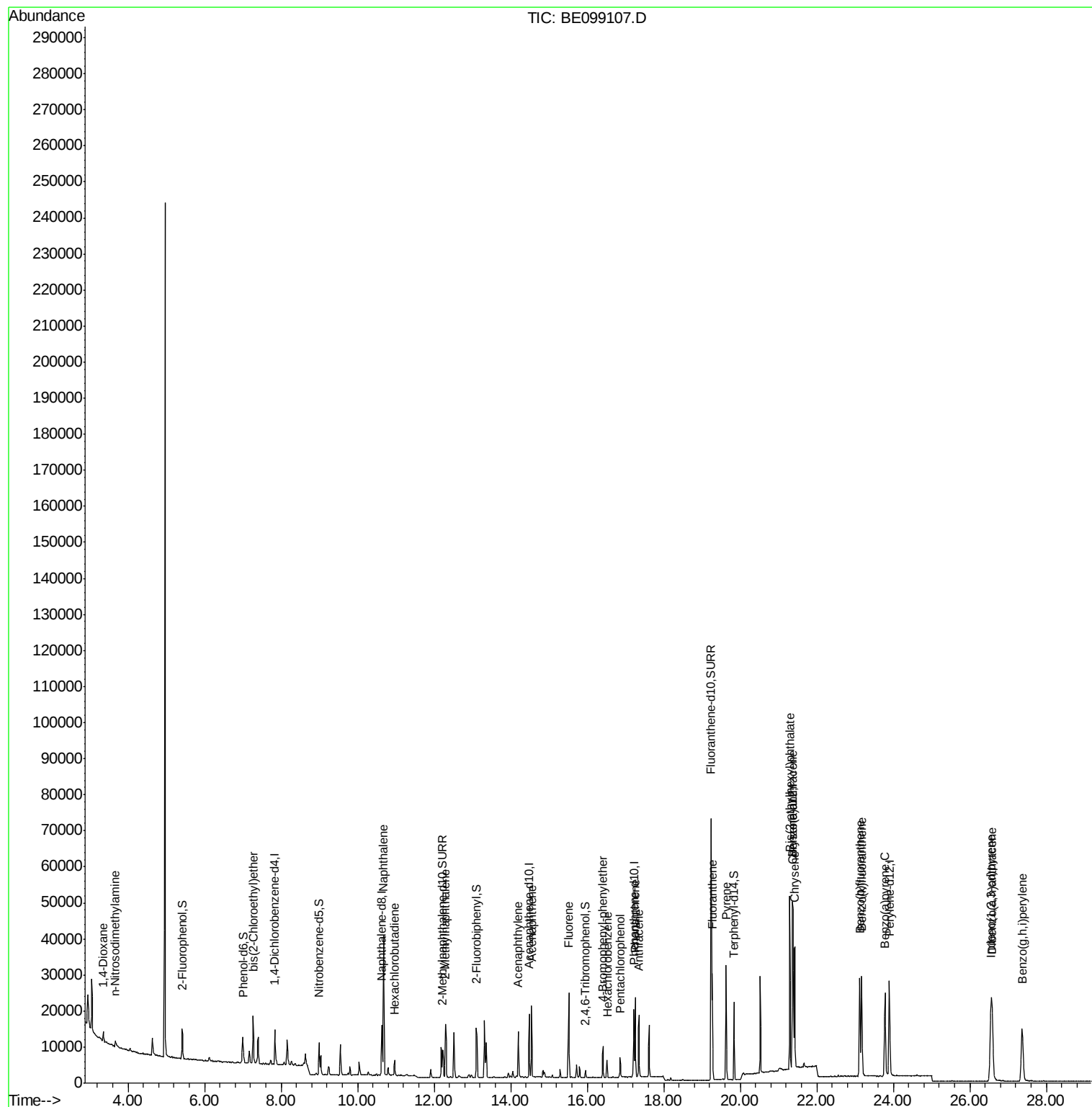
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	1618	0.229	ng	# 56
3) n-Nitrosodimethylamine	3.67	42	1089	0.298	ng	# 87
6) bis(2-Chloroethyl)ether	7.26	93	5017	0.316	ng	85
9) Naphthalene	10.68	128	61556	0.308	ng	98
10) Hexachlorobutadiene	10.96	225	3051	0.312	ng	97
12) 2-Methylnaphthalene	12.29	142	10673	0.312	ng	94
16) Acenaphthylene	14.20	152	15635	0.285	ng	97
17) Acenaphthene	14.54	154	9445	0.291	ng	98
18) Fluorene	15.51	166	12752	0.269	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	4607	0.336	ng	# 69
21) Hexachlorobenzene	16.52	284	4347	0.341	ng	94
22) Pentachlorophenol	16.85	266	2944	0.815	ng	# 78
23) Phenanthrene	17.25	178	21798	0.296	ng	98
24) Anthracene	17.35	178	20162	0.290	ng	100
26) Fluoranthene	19.27	202	27456	0.265	ng	99
28) Pyrene	19.63	202	29041	0.258	ng	98
30) Benzo(a)anthracene	21.37	228	34996	0.300	ng	99
31) Chrysene	21.43	228	34682	0.297	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	45444	0.300	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	44001	0.351	ng	98
35) Benzo(b)fluoranthene	23.12	252	37937	0.284	ng	99
36) Benzo(k)fluoranthene	23.17	252	40210	0.307	ng	98
37) Benzo(a)pyrene	23.78	252	37356	0.302	ng	97
38) Dibenzo(a,h)anthracene	26.58	278	36463	0.304	ng	96
39) Benzo(g,h,i)perylene	27.36	276	37608	0.305	ng	99

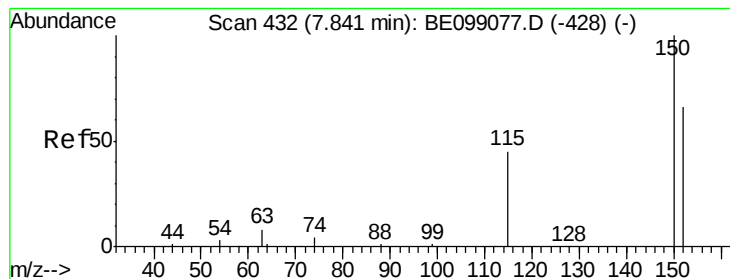
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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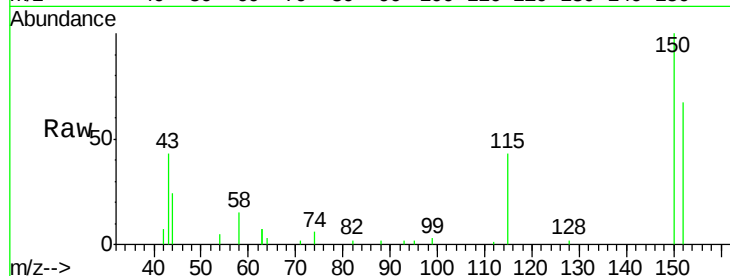


#1

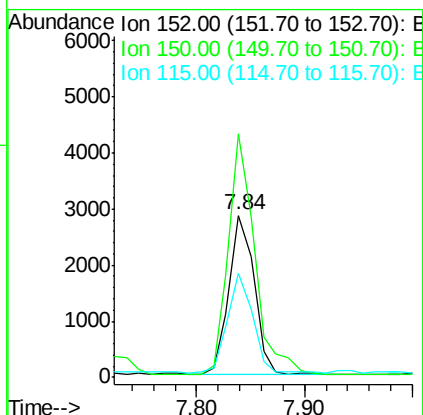
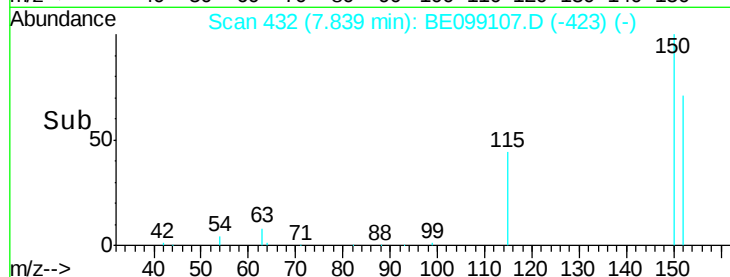
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

Instrument :
BNA_E
ClientSampleId :
PB118176BS

Tot Ion:152 Resp: 4562
Ion Ratio Lower Upper
152 100
150 150.0 122.5 183.7
115 64.3 57.4 86.2



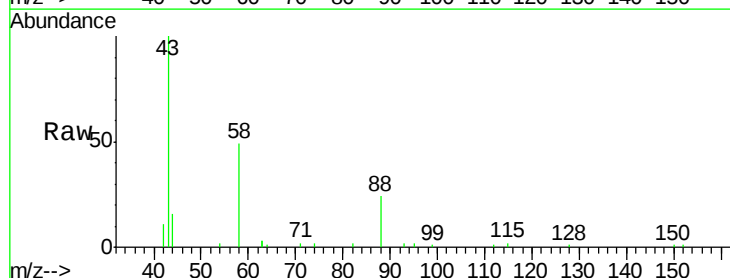
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



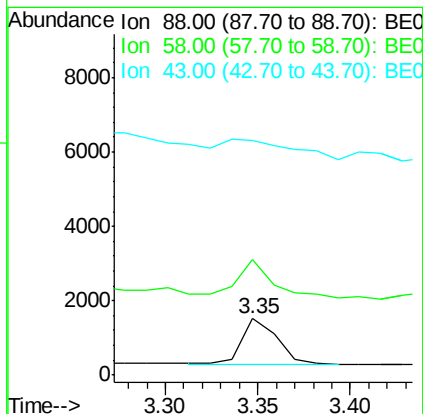
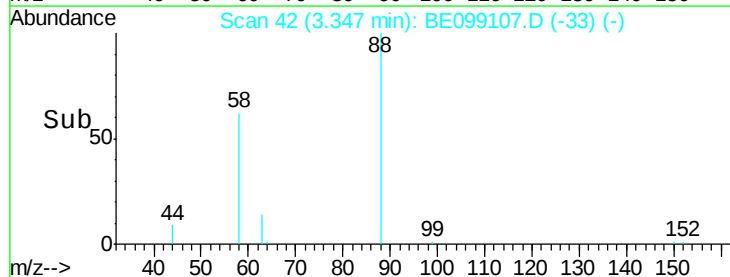
#2

1,4-Dioxane
Concen: 0.229 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

Tgt Ion: 88 Resp: 1618
Ion Ratio Lower Upper
88 100
58 80.2 52.0 78.0#
43 83.3 24.0 36.0#



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: 0.298 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

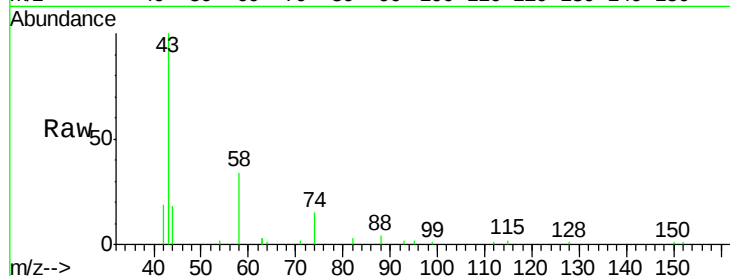
Tot Ion: 42 Resp: 1089

Ion Ratio Lower Upper

42 100

74 179.6 160.0 240.0

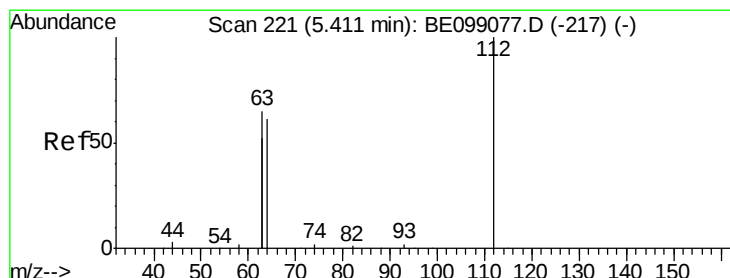
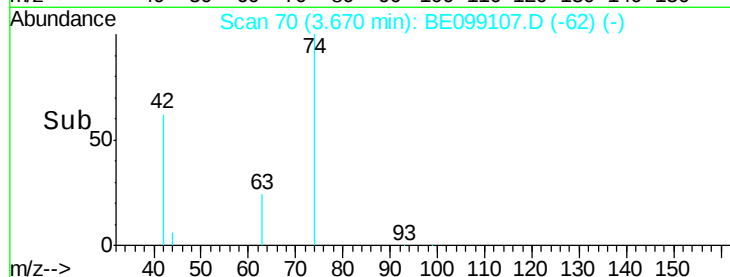
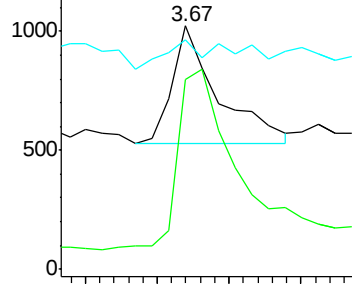
44 17.9 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.354 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

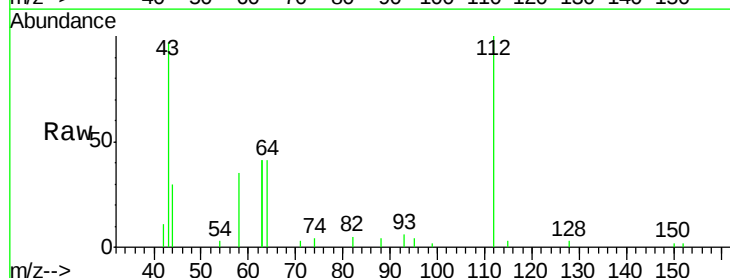
Tgt Ion: 112 Resp: 4807

Ion Ratio Lower Upper

112 100

64 55.3 57.9 86.9#

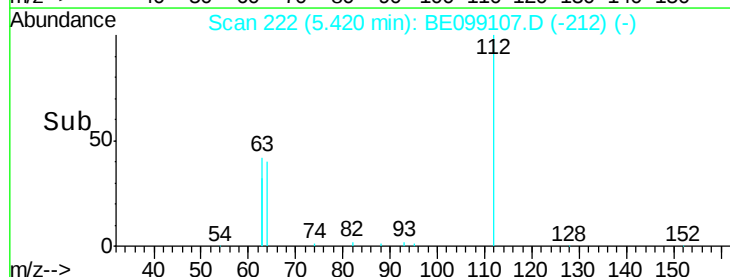
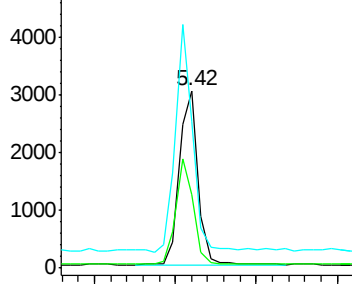
63 121.5 158.3 237.5#

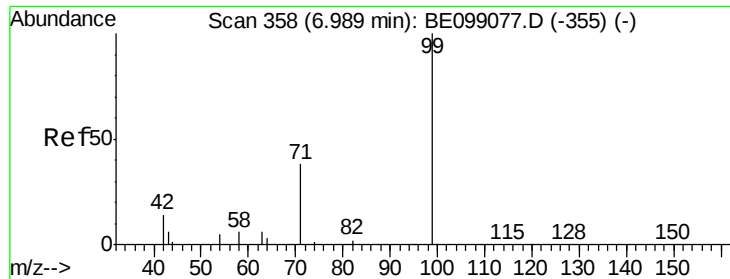


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.325 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

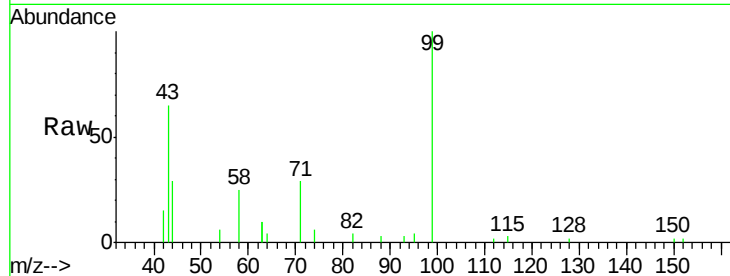
Tot Ion: 99 Resp: 6354

Ion Ratio Lower Upper

99 100

42 16.3 24.2 36.2#

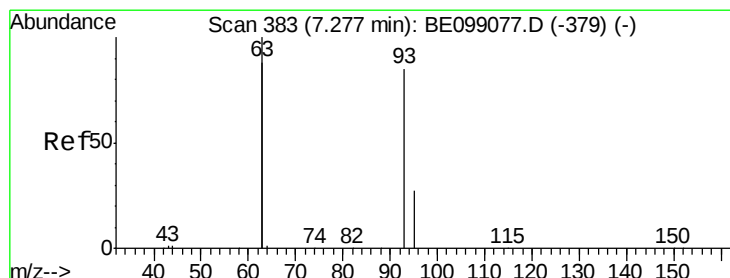
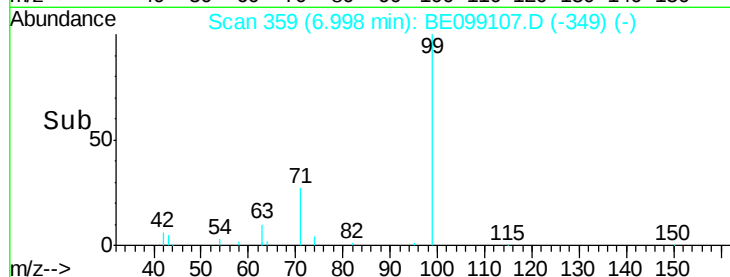
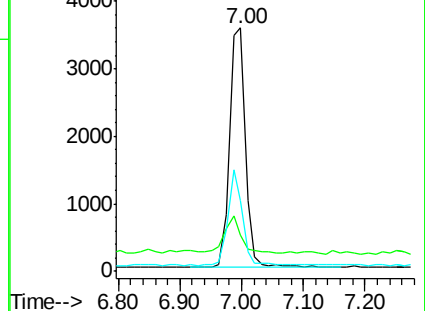
71 35.6 35.7 53.5#



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: 0.316 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

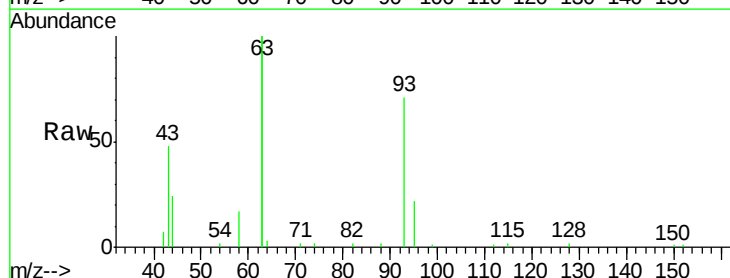
Tgt Ion: 93 Resp: 5017

Ion Ratio Lower Upper

93 100

63 277.0 247.5 371.3

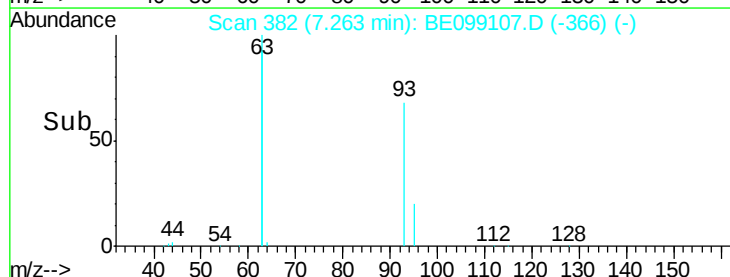
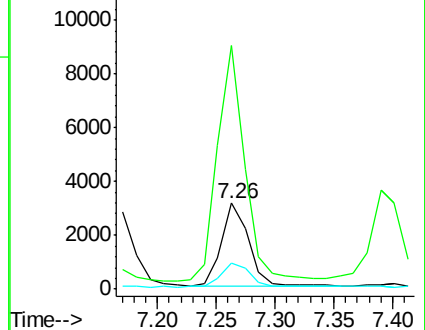
95 30.8 21.8 32.8

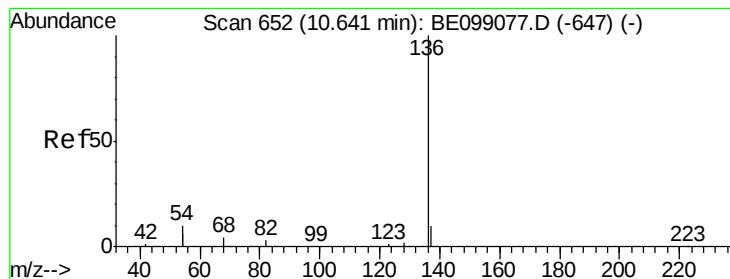


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

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PB118176BS

Tot Ion:136 Resp: 16948

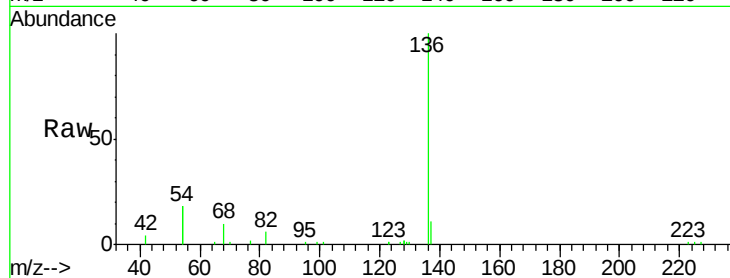
Ion Ratio Lower Upper

136 100

137 11.1 11.4 17.0#

54 36.5 39.3 58.9#

68 9.8 6.7 10.1

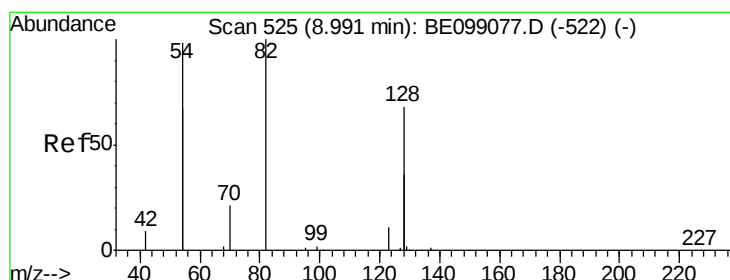
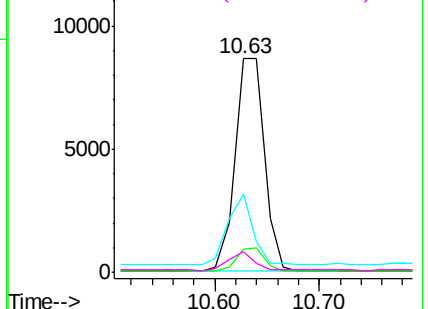
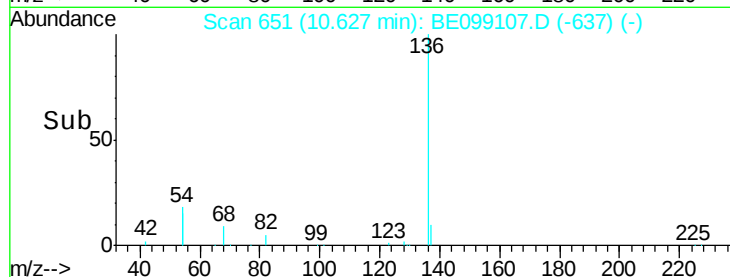


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.540 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

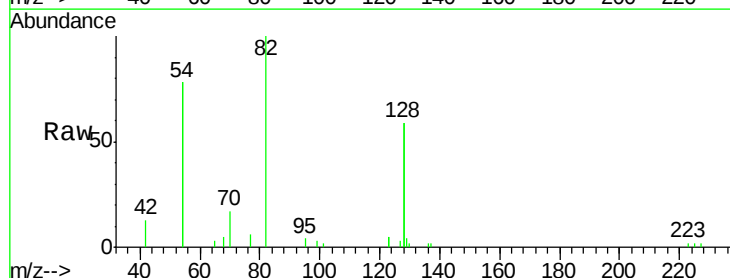
Tgt Ion: 82 Resp: 4000

Ion Ratio Lower Upper

82 100

128 117.1 123.8 185.8#

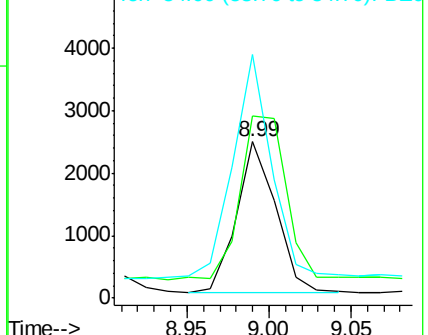
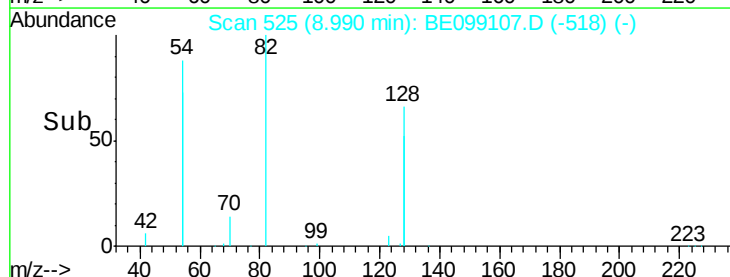
54 156.0 203.4 305.2#

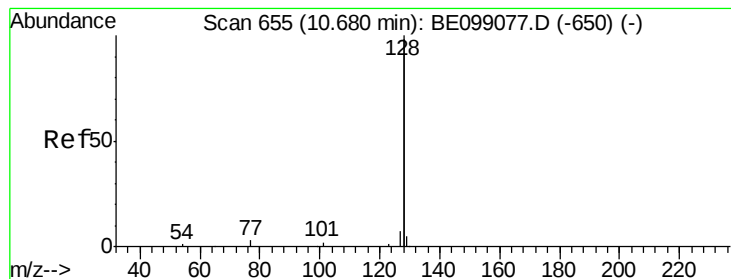


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.308 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

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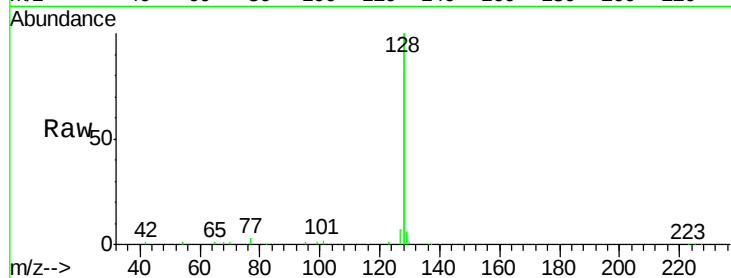
Tot Ion:128 Resp: 61556

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

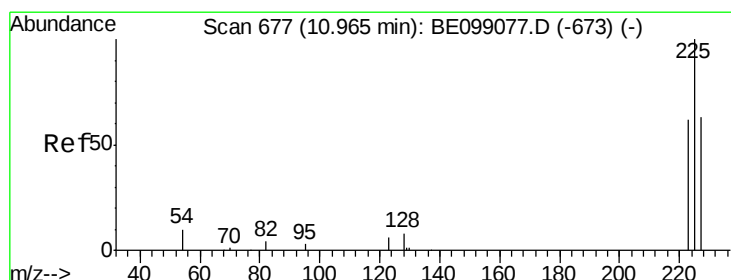
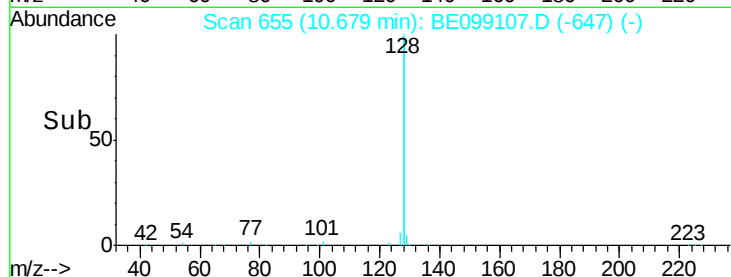
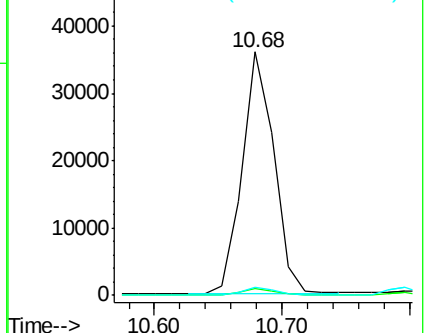
127 3.3 3.1 4.7



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: 0.312 ng

RT: 10.96 min Scan# 677

Delta R.T. -0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

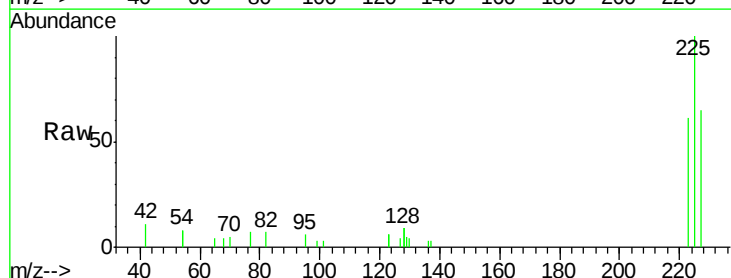
Tgt Ion:225 Resp: 3051

Ion Ratio Lower Upper

225 100

223 61.8 51.1 76.7

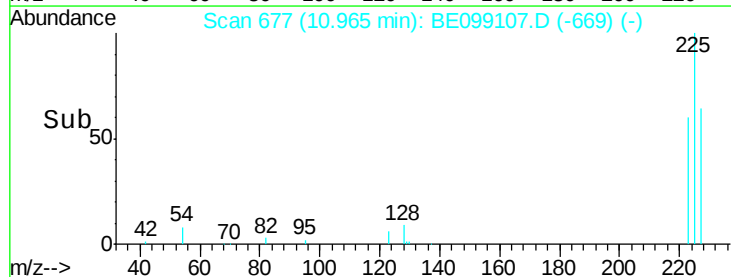
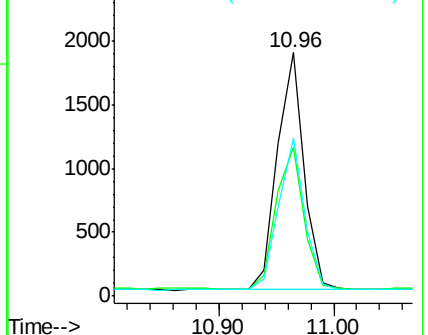
227 61.9 51.6 77.4

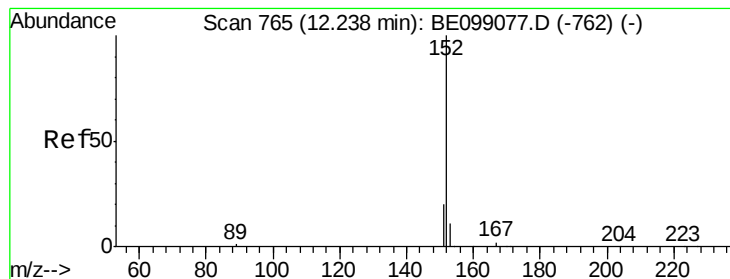


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.498 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

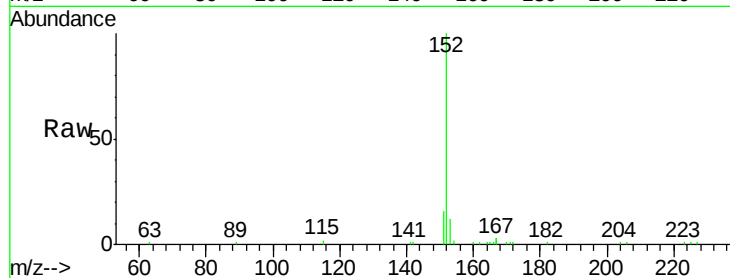
PB118176BS

Tot Ion:152 Resp: 15189

Ion Ratio Lower Upper

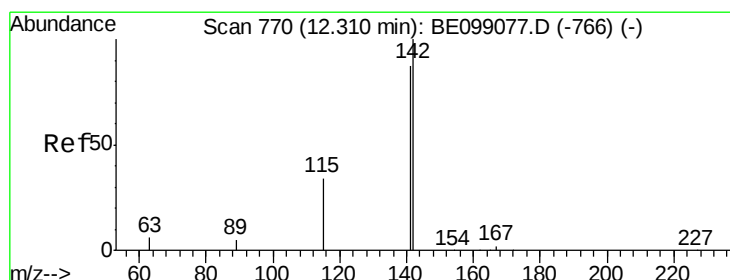
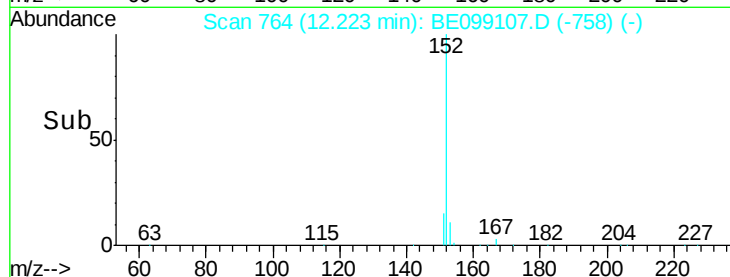
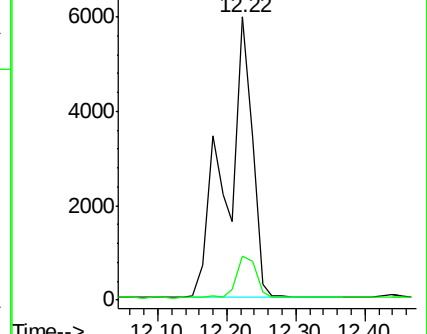
152 100

151 11.7 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.312 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.02 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

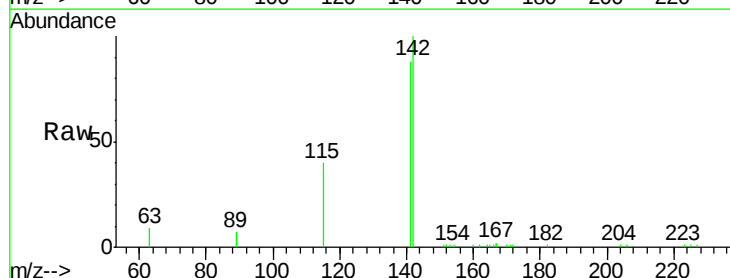
Tgt Ion:142 Resp: 10673

Ion Ratio Lower Upper

142 100

141 87.7 72.6 108.8

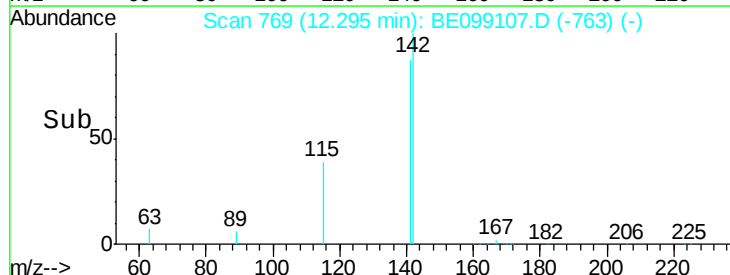
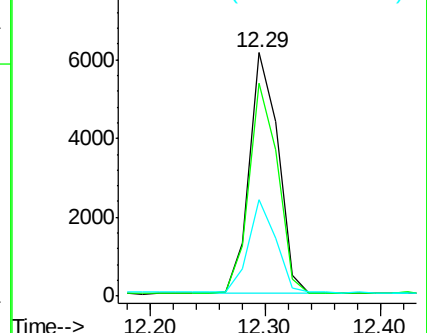
115 39.7 37.4 56.2



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

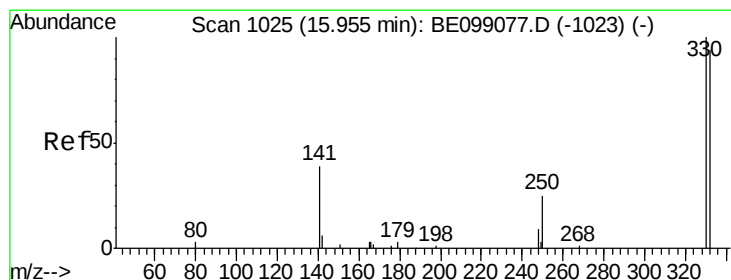
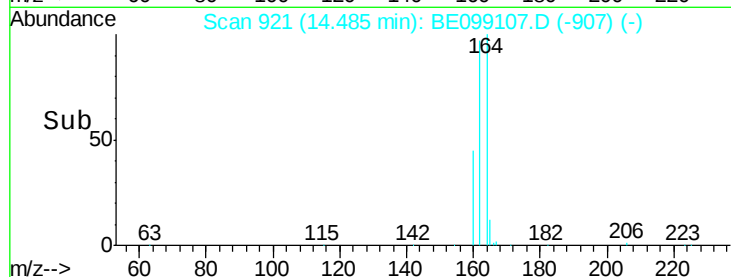
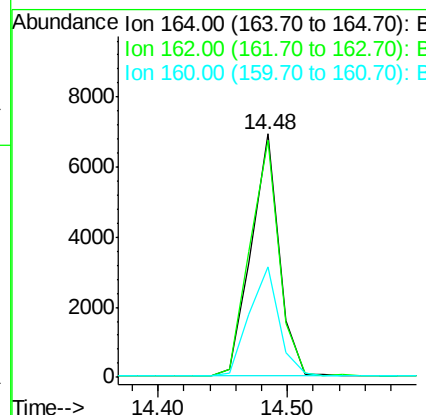
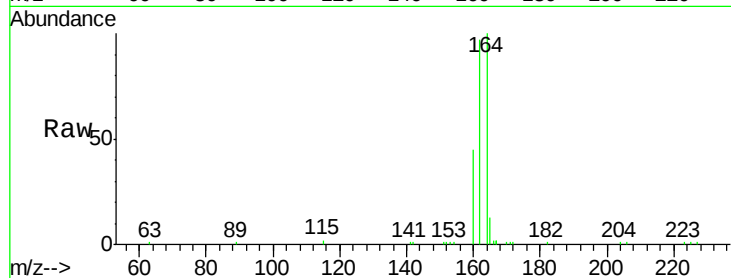




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

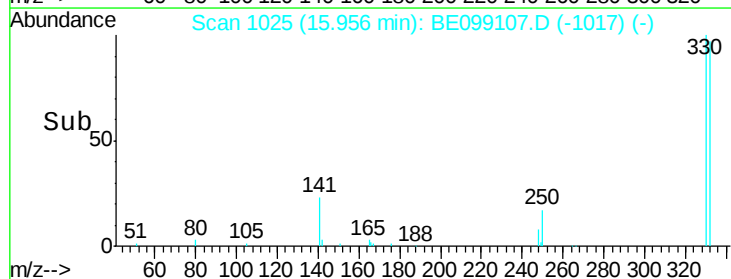
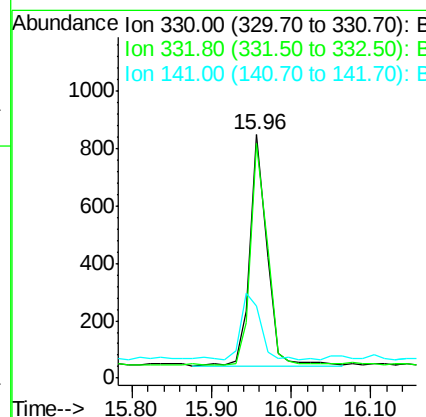
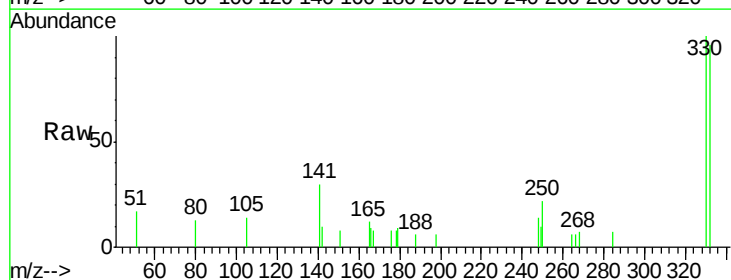
Instrument :
BNA_E
ClientSampleId :
PB118176BS

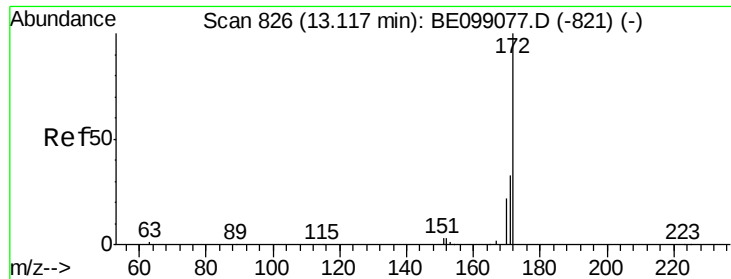
Tot Ion:164 Resp: 10271
Ion Ratio Lower Upper
164 100
162 97.2 80.2 120.2
160 45.4 37.8 56.8



#14
2,4,6-Tribromophenol
Concen: 0.399 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

Tgt Ion:330 Resp: 1204
Ion Ratio Lower Upper
330 100
332 93.4 77.6 116.4
141 32.0 31.0 46.4

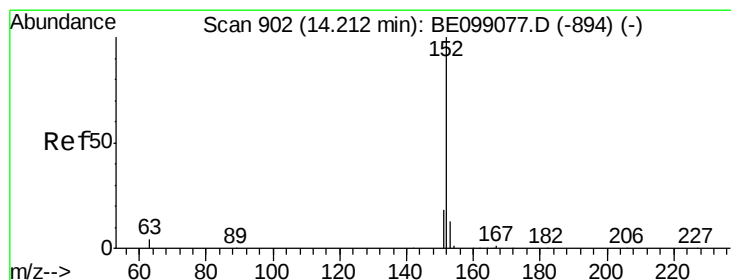
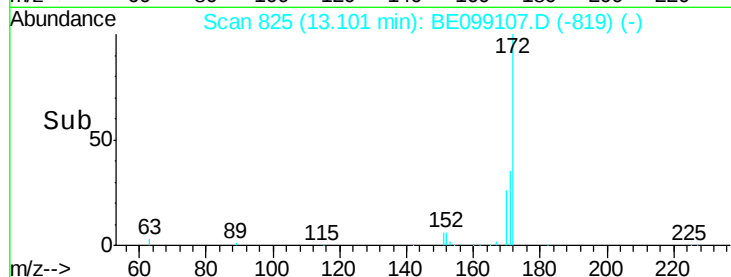
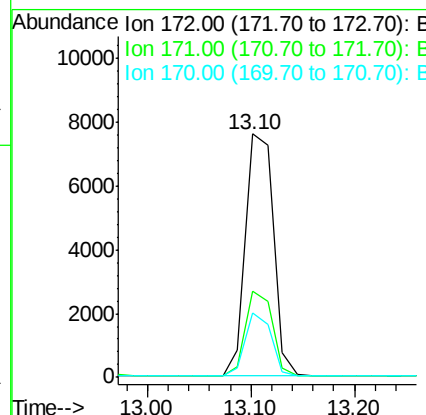
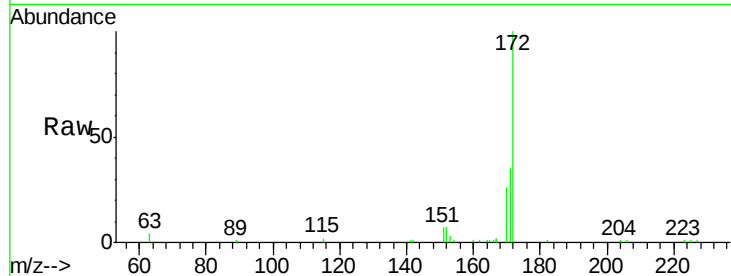




#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.02 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

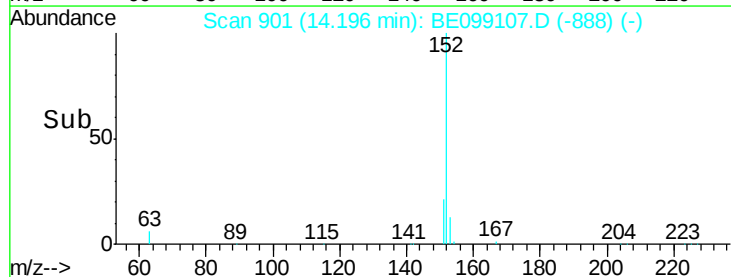
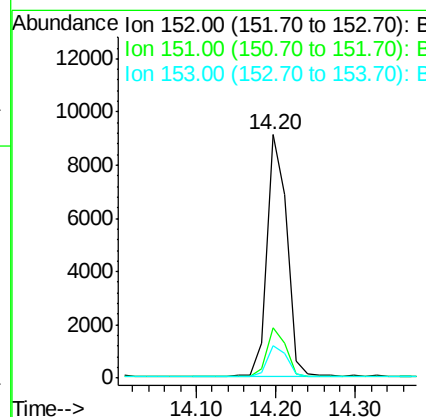
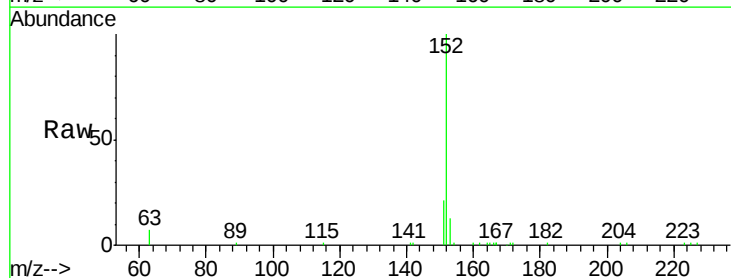
Instrument :
BNA_E
ClientSampleId :
PB118176BS

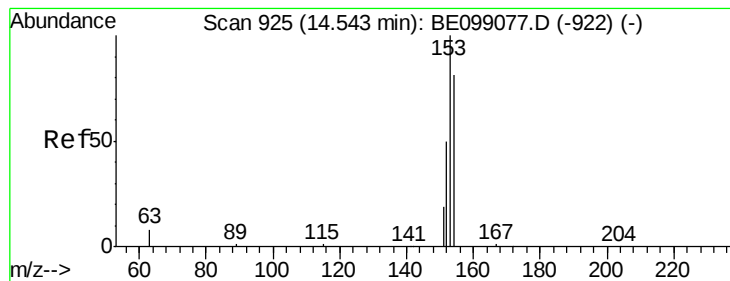
Tot Ion:172 Resp: 14206
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 26.4 17.7 26.5



#16
Acenaphthylene
Concen: 0.285 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

Tgt Ion:152 Resp: 15635
Ion Ratio Lower Upper
152 100
151 20.0 17.0 25.6
153 12.9 11.2 16.8





#17

Acenaphthene

Concen: 0.291 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

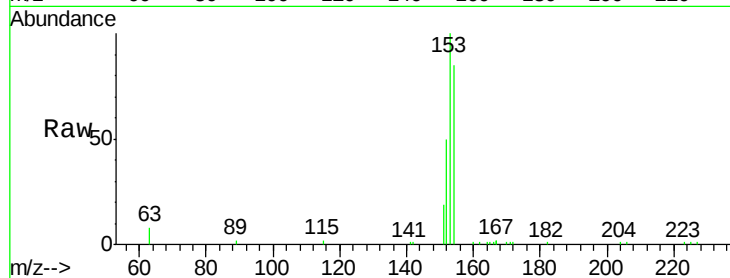
Tot Ion:154 Resp: 9445

Ion Ratio Lower Upper

154 100

153 115.8 94.2 141.4

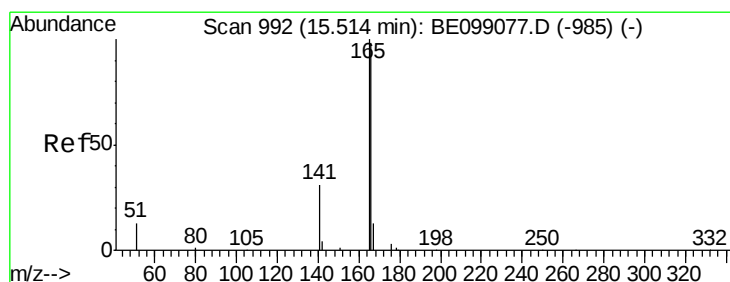
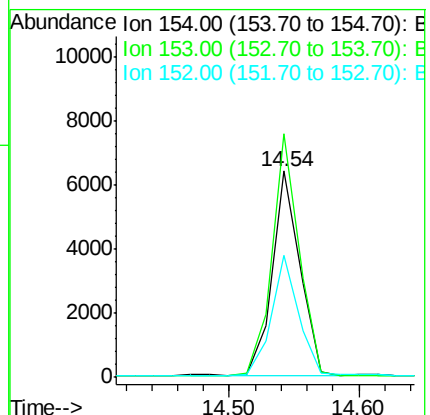
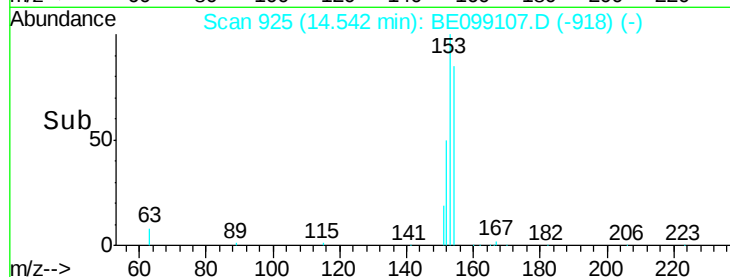
152 57.8 45.0 67.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.269 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

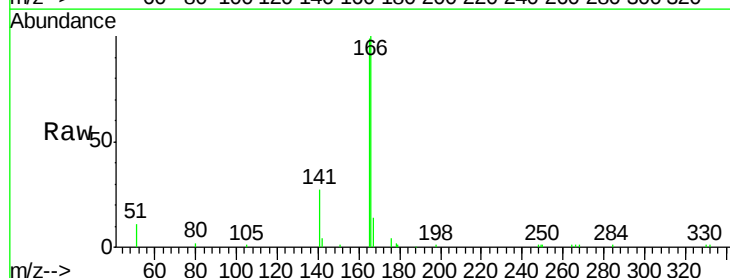
Tgt Ion:166 Resp: 12752

Ion Ratio Lower Upper

166 100

165 100.0 79.3 118.9

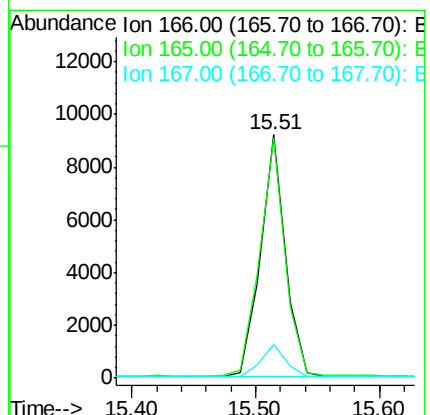
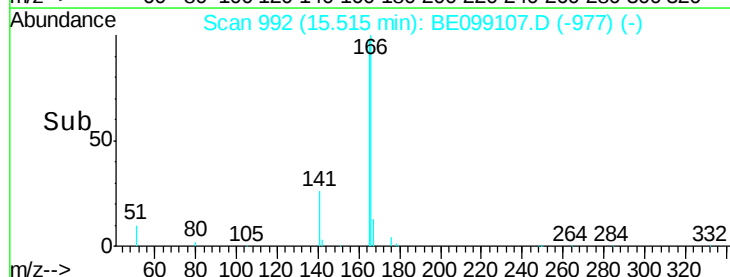
167 13.1 10.5 15.7

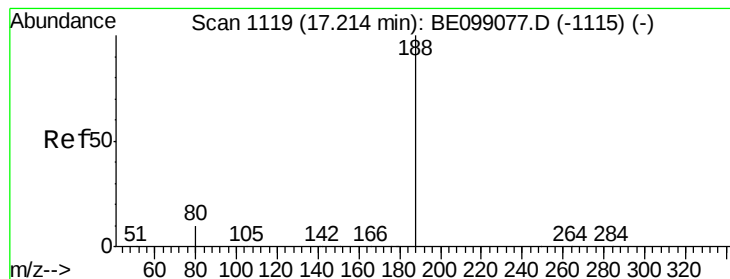


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

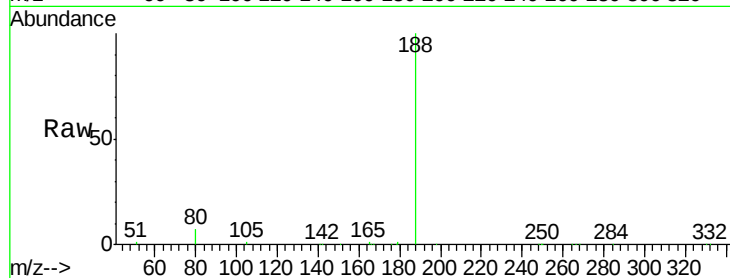
Tot Ion:188 Resp: 24785

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

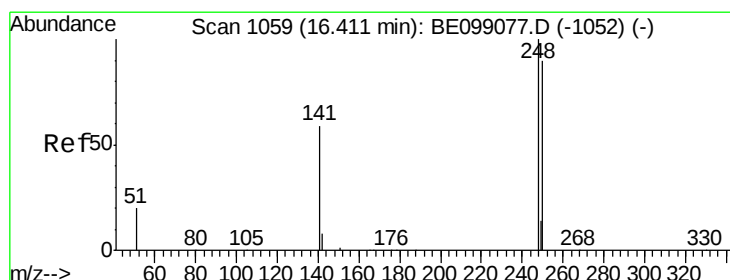
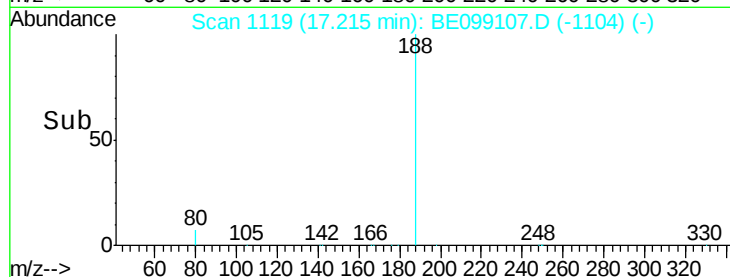
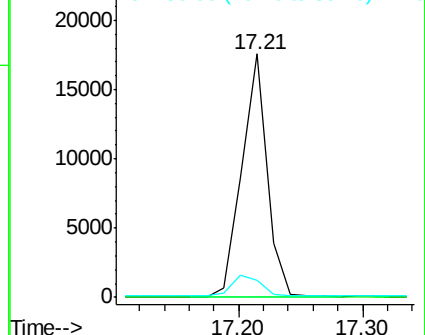
80 7.0 6.3 9.5



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: 0.336 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

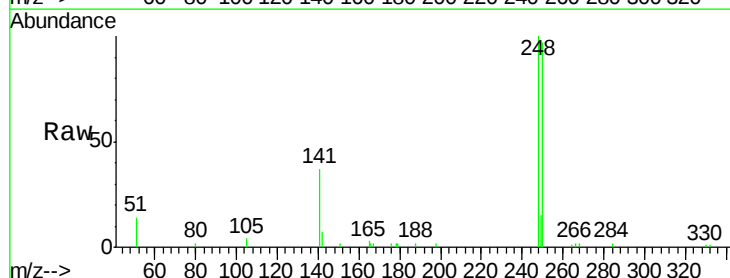
Tgt Ion:248 Resp: 4607

Ion Ratio Lower Upper

248 100

250 97.4 70.6 105.8

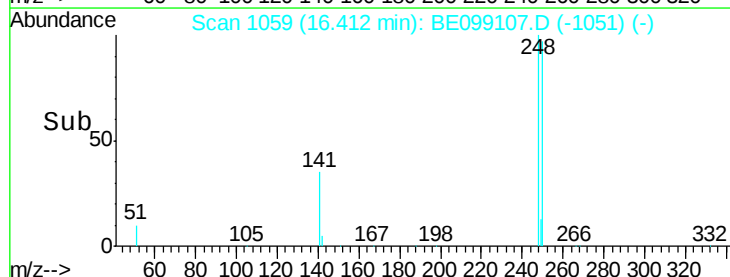
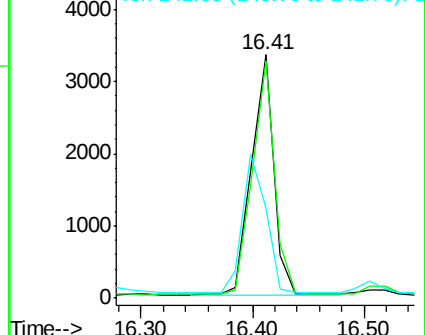
141 37.0 68.6 102.8#

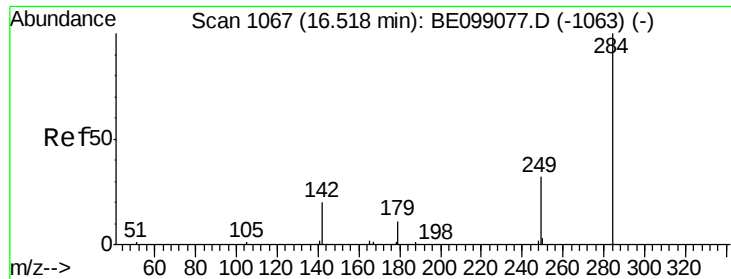


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

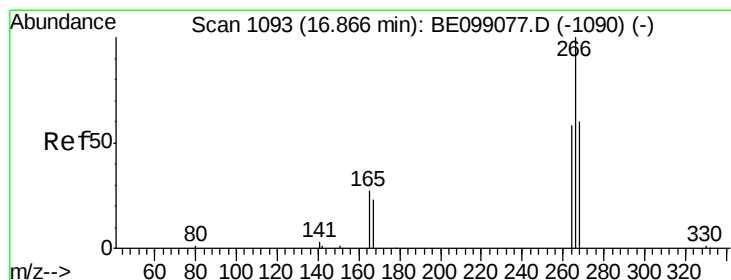
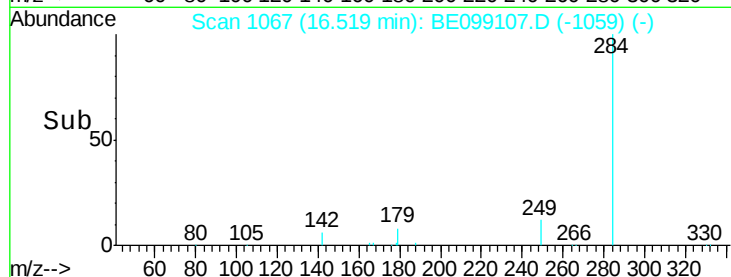
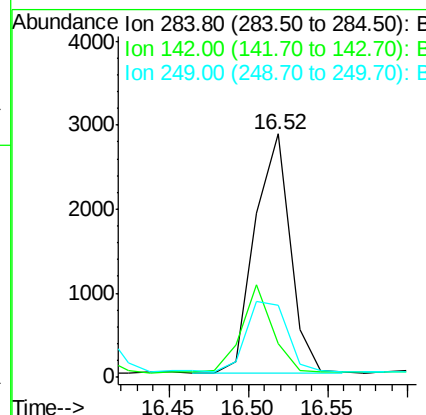
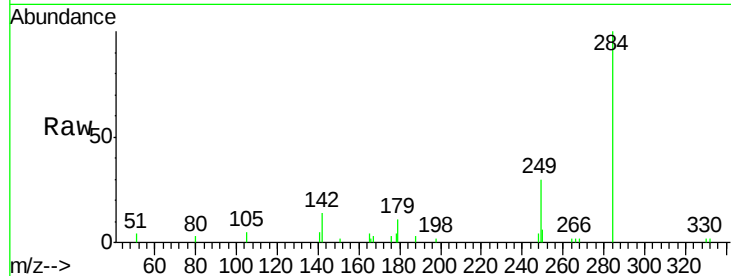




#21
Hexachlorobenzene
Concen: 0.341 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

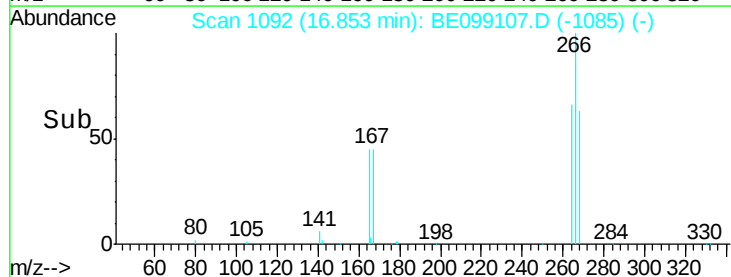
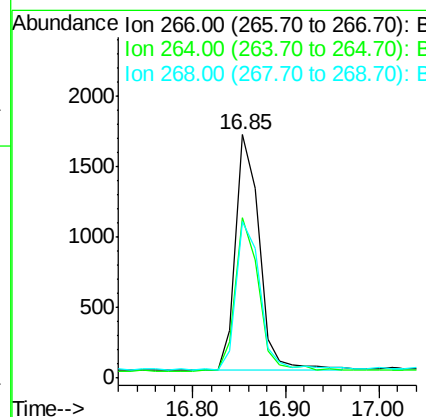
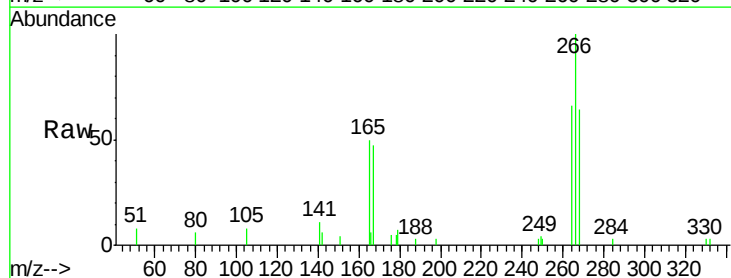
Instrument :
BNA_E
ClientSampleId :
PB118176BS

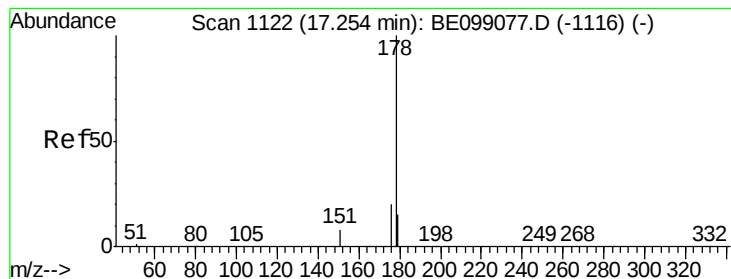
Tot Ion	Ratio	Lower	Upper
284	100		
142	31.9	28.7	43.1
249	34.3	29.6	44.4



#22
Pentachlorophenol
Concen: 0.815 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE099107.D
Acq: 23 Mar 2019 12:01

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.1	66.6	100.0#
268	64.3	69.8	104.8#





#23

Phenanthrene

Concen: 0.296 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

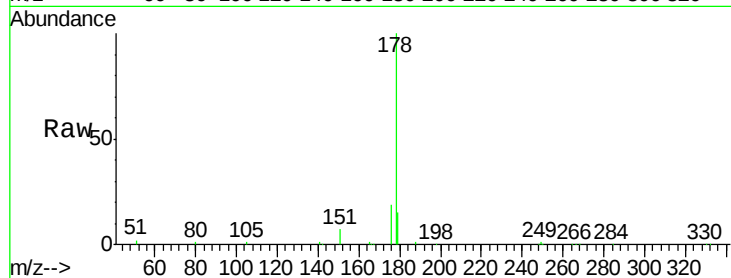
Tot Ion:178 Resp: 21798

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

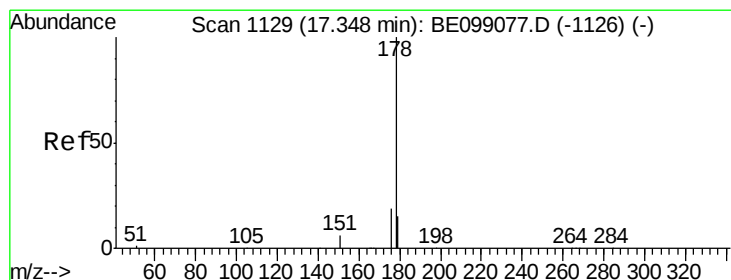
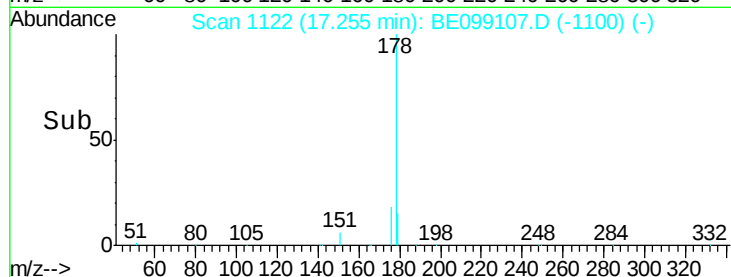
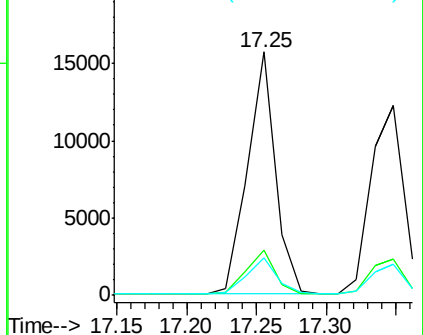
179 15.9 12.1 18.1



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: 0.290 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

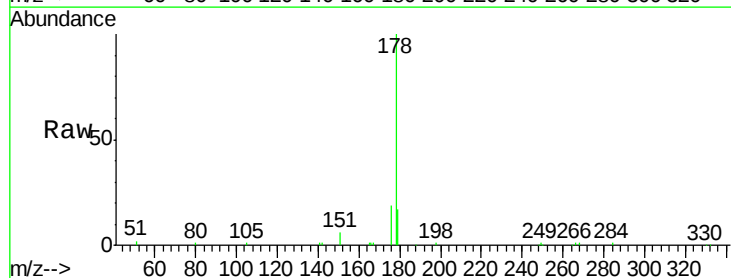
Tgt Ion:178 Resp: 20162

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

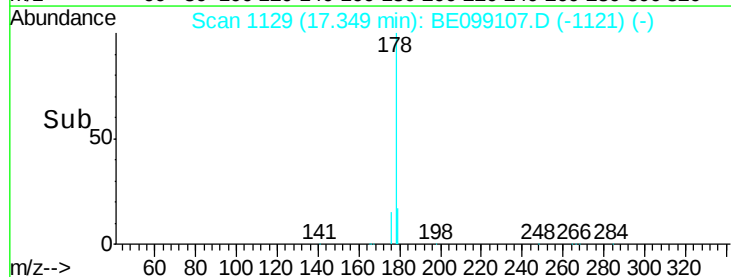
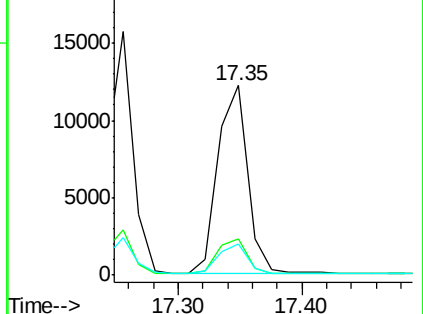
179 15.4 12.2 18.4

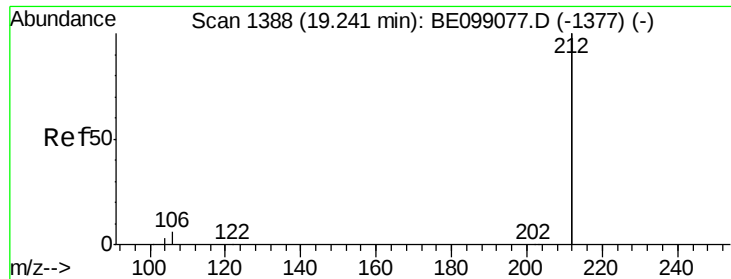


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.285 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

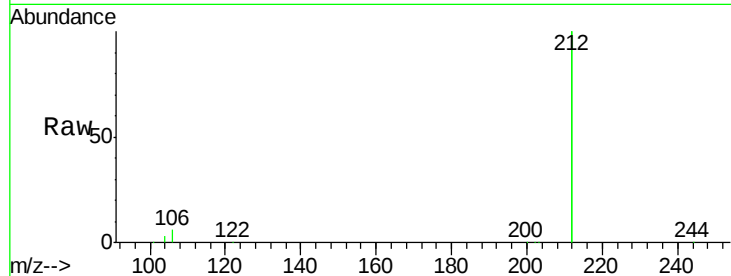
Tot Ion:212 Resp: 94194

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

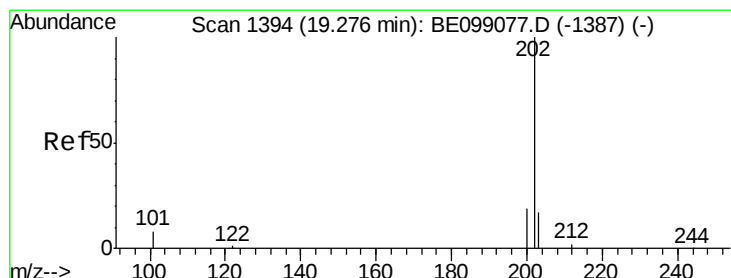
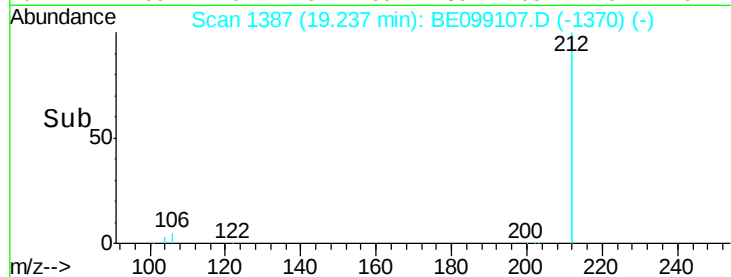
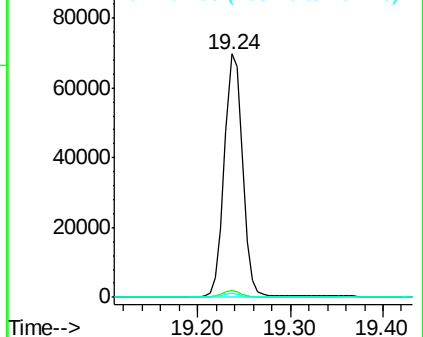
104 1.5 1.0 1.6



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: 0.265 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

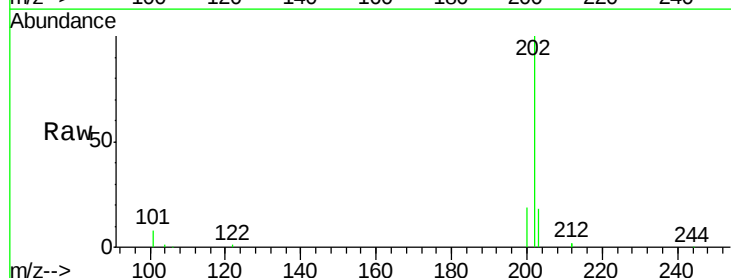
Tgt Ion:202 Resp: 27456

Ion Ratio Lower Upper

202 100

101 9.4 7.3 10.9

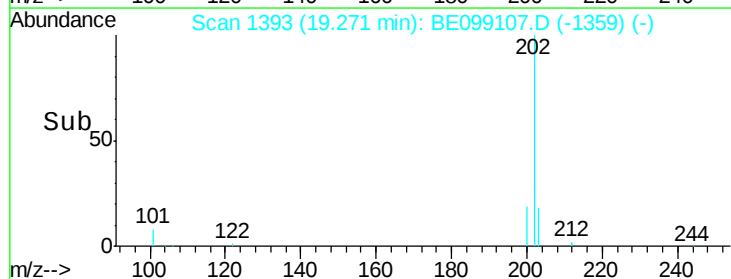
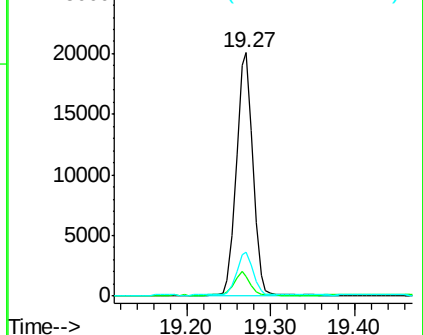
203 17.4 13.4 20.2



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: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

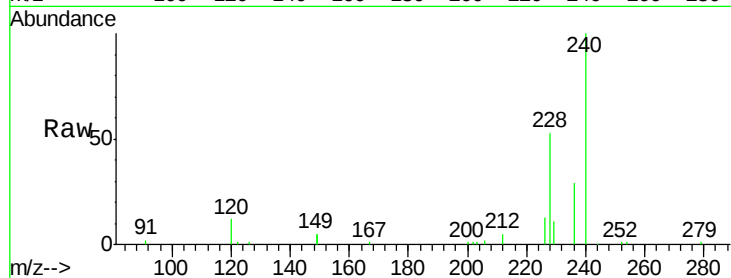
Tot Ion:240 Resp: 33138

Ion Ratio Lower Upper

240 100

120 12.1 5.0 7.4#

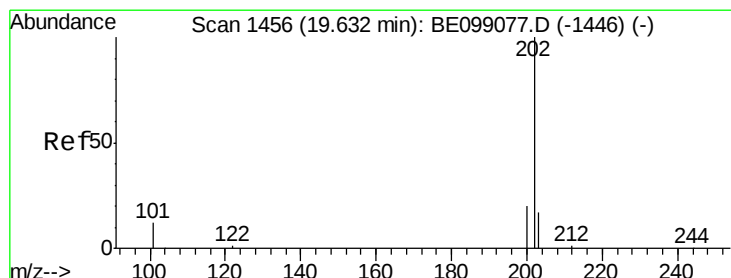
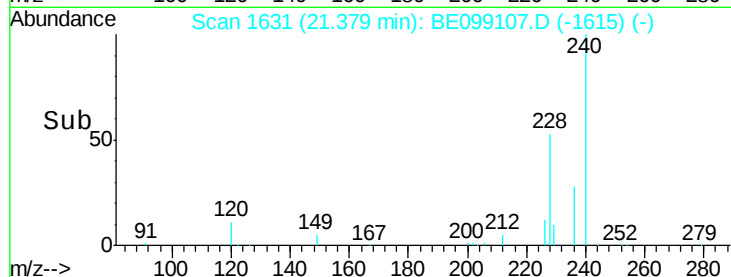
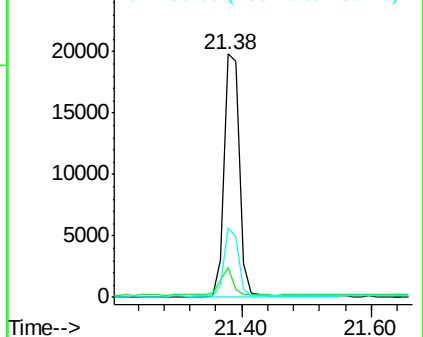
236 28.5 22.7 34.1



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: 0.258 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

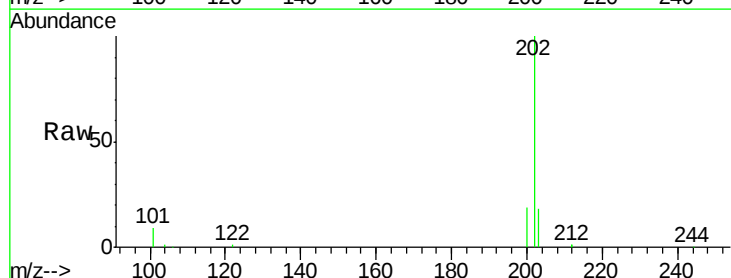
Tgt Ion:202 Resp: 29041

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

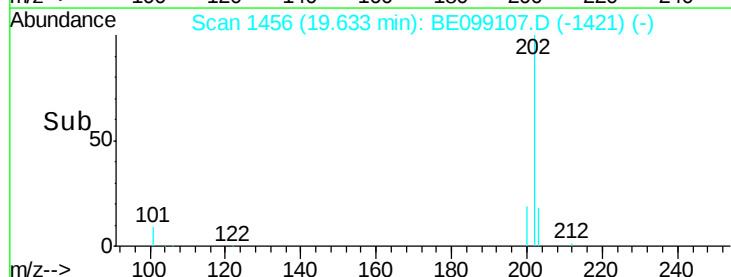
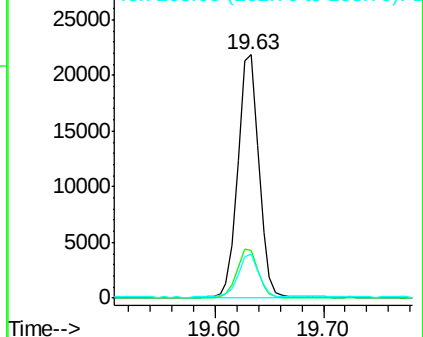
203 18.0 14.2 21.2

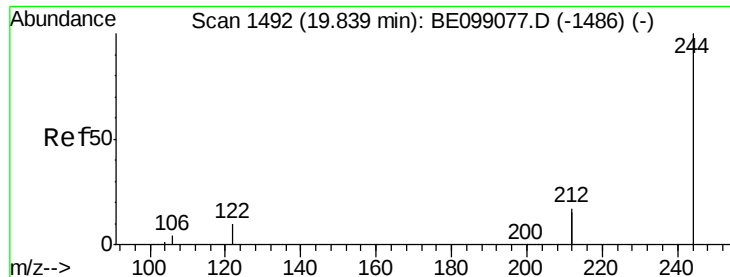


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.272 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

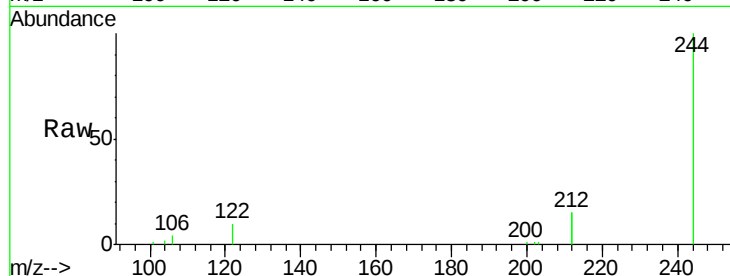
Tot Ion:244 Resp: 19102

Ion Ratio Lower Upper

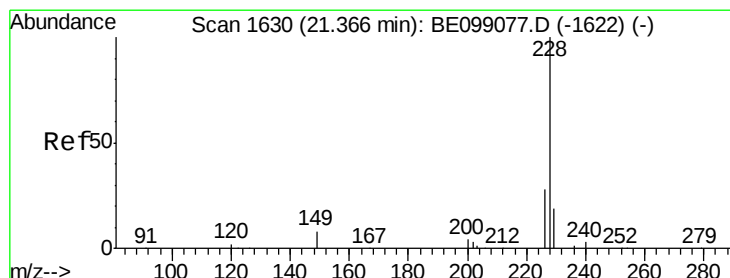
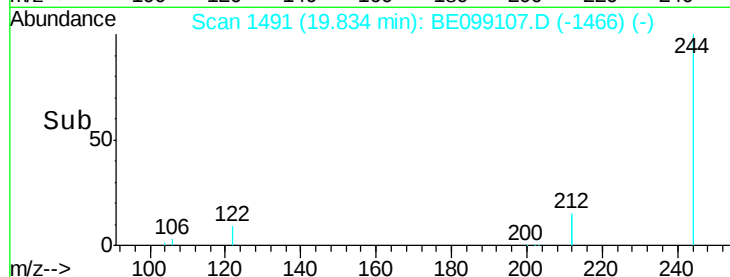
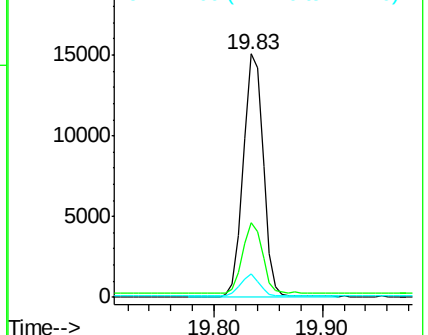
244 100

212 30.7 29.4 44.2

122 9.6 7.1 10.7



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: 0.300 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

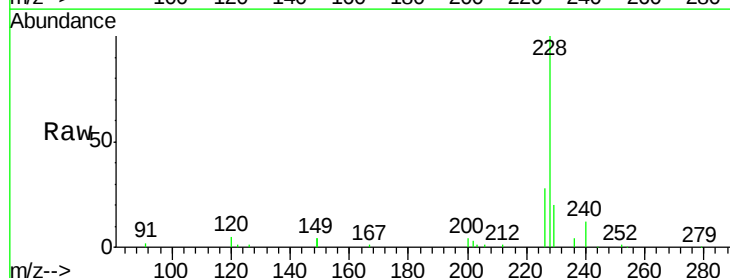
Tgt Ion:228 Resp: 34996

Ion Ratio Lower Upper

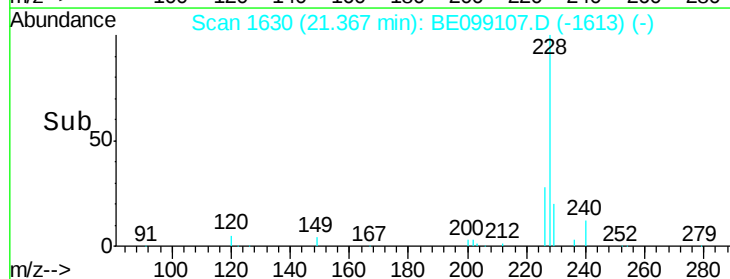
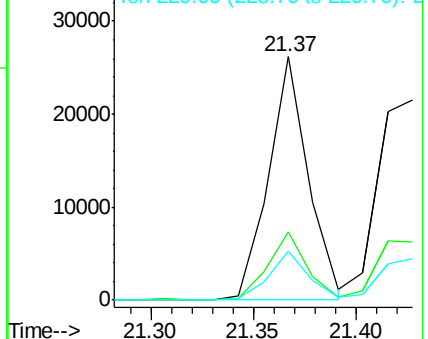
228 100

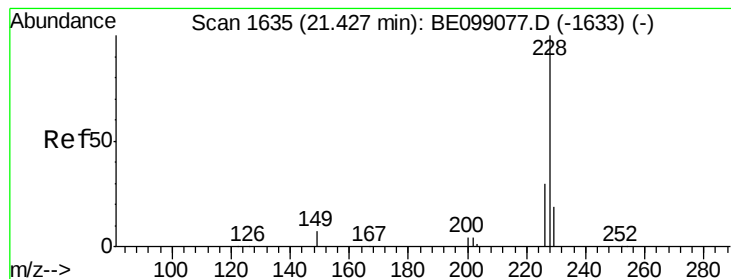
226 27.9 23.0 34.4

229 20.1 16.5 24.7



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: 0.297 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

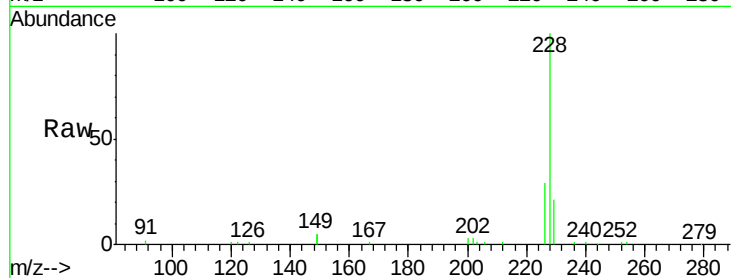
Tot Ion:228 Resp: 34682

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

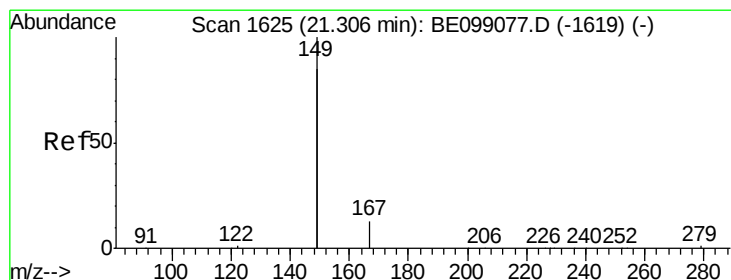
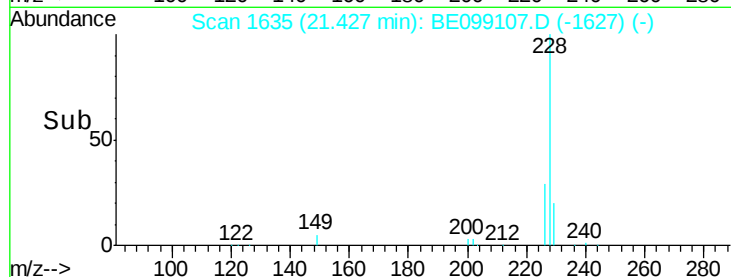
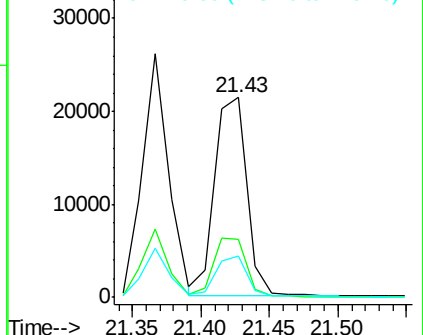
229 20.5 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.300 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

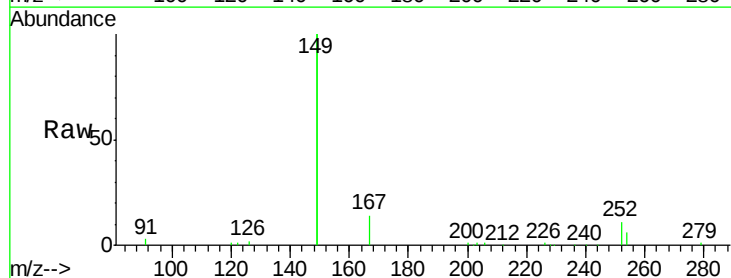
Tgt Ion:149 Resp: 45444

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

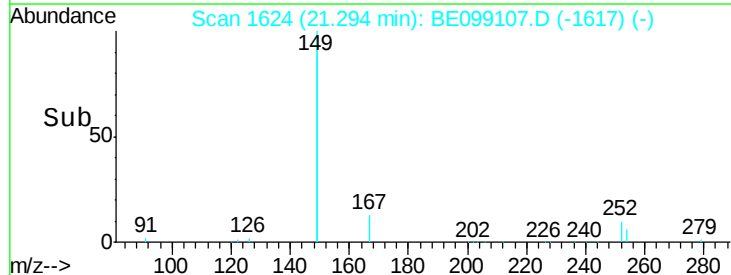
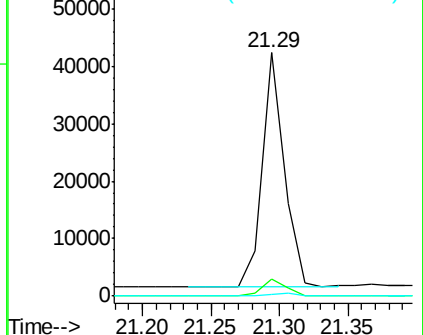
279 1.0 1.0 1.4

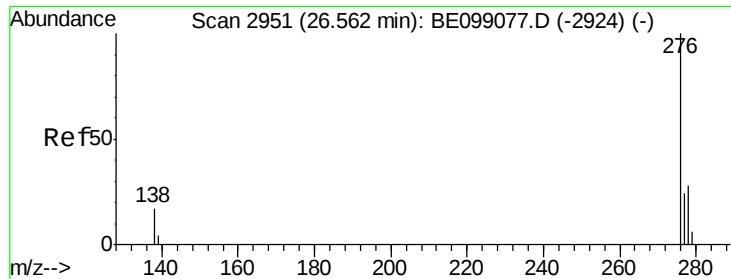


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

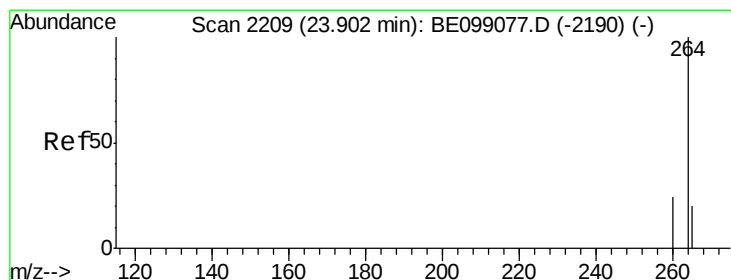
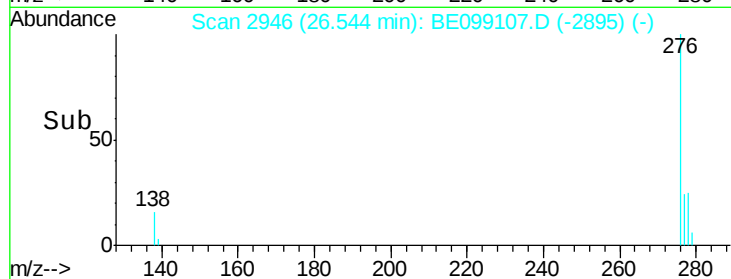
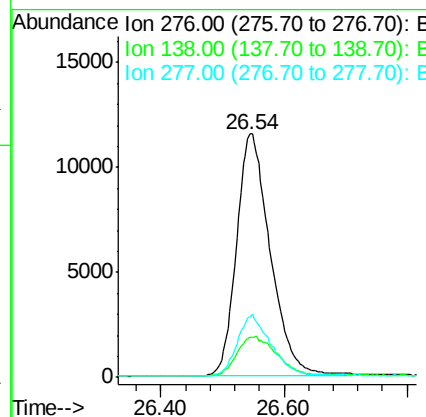
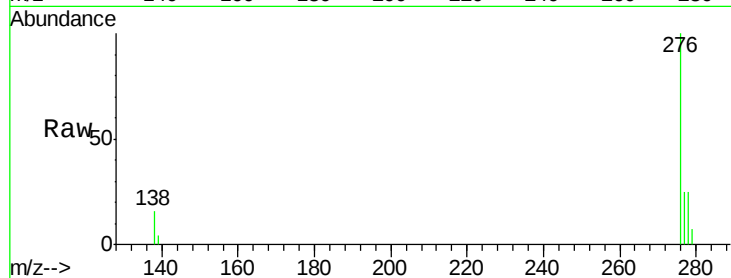




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.351 ng
 RT: 26.54 min Scan# 2946
 Delta R.T. -0.02 min
 Lab File: BE099107.D
 Acq: 23 Mar 2019 12:01

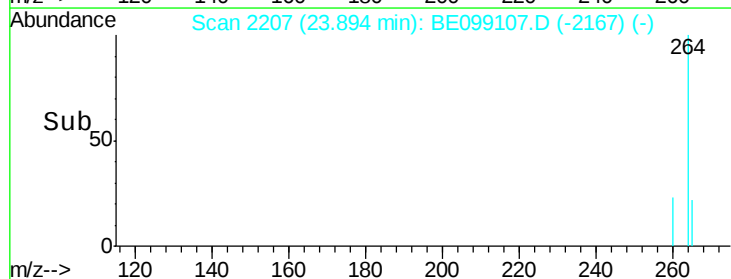
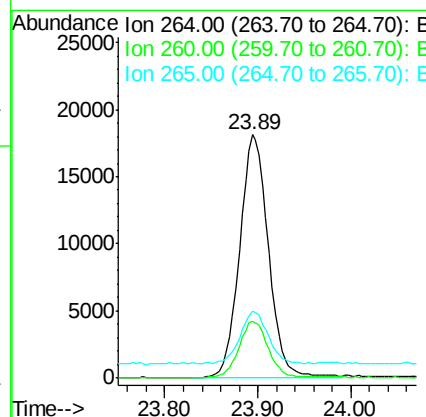
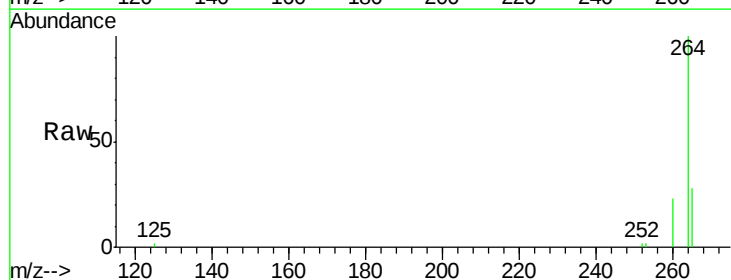
Instrument :
 BNA_E
 ClientSampleId :
 PB118176BS

Tot Ion:276 Resp: 44001
 Ion Ratio Lower Upper
 276 100
 138 18.4 13.8 20.8
 277 24.8 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BE099107.D
 Acq: 23 Mar 2019 12:01

Tgt Ion:264 Resp: 38632
 Ion Ratio Lower Upper
 264 100
 260 23.5 21.2 31.8
 265 27.6 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.284 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

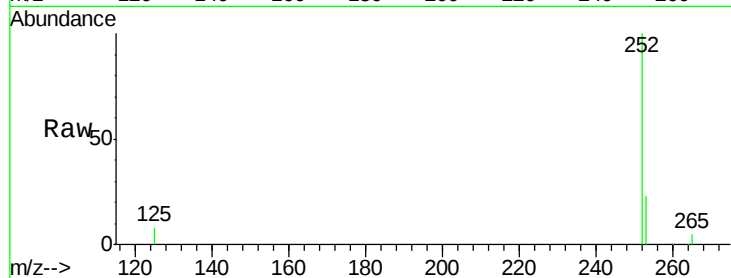
Tot Ion:252 Resp: 37937

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

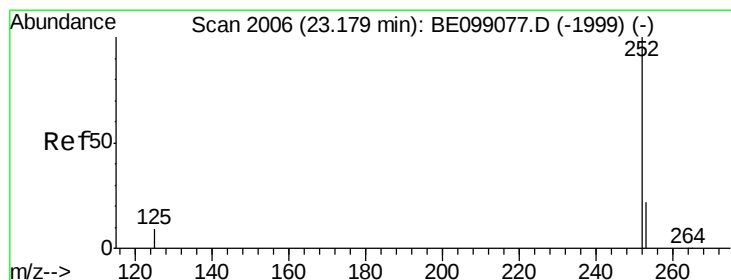
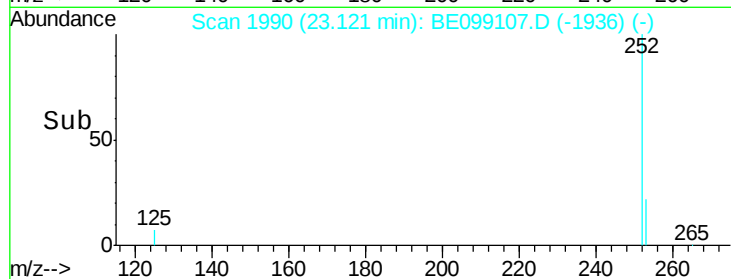
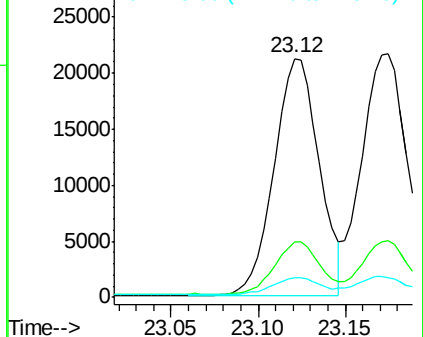
125 8.3 7.3 10.9



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: 0.307 ng

RT: 23.17 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

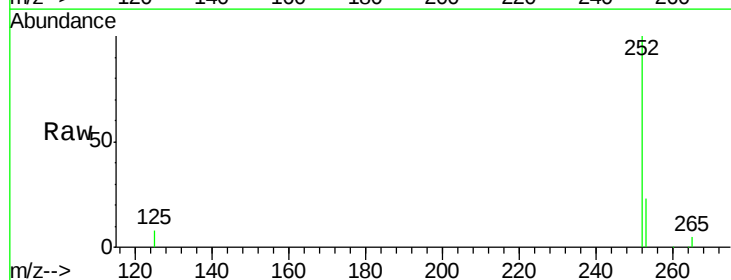
Tgt Ion:252 Resp: 40210

Ion Ratio Lower Upper

252 100

253 23.4 19.3 28.9

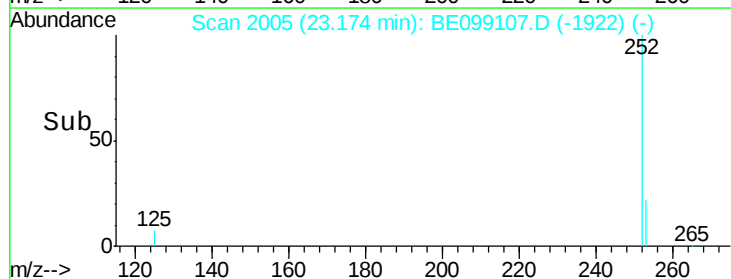
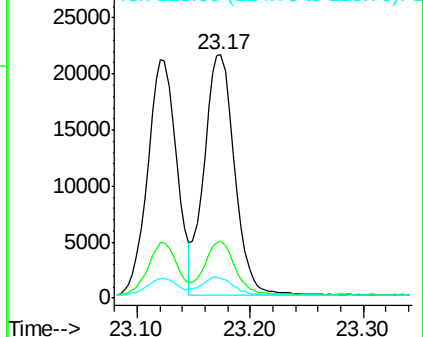
125 8.0 7.5 11.3



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: 0.302 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS

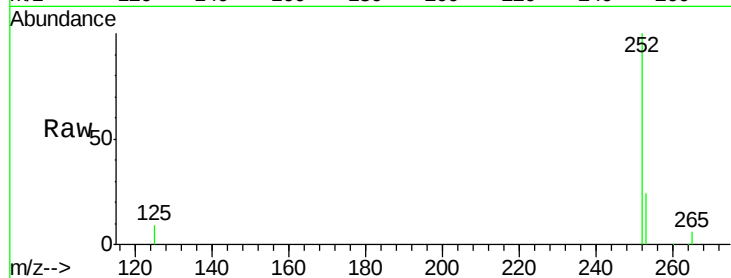
Tot Ion:252 Resp: 37356

Ion Ratio Lower Upper

252 100

253 23.5 19.9 29.9

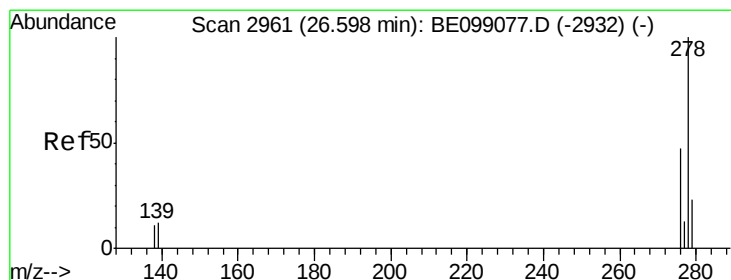
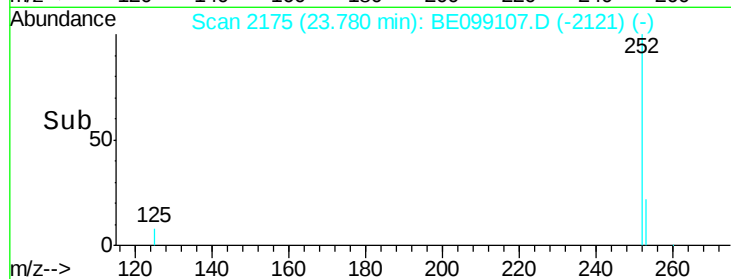
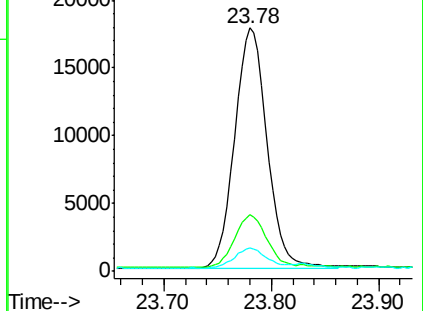
125 9.5 9.0 13.4



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: 0.304 ng

RT: 26.58 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BE099107.D

Acq: 23 Mar 2019 12:01

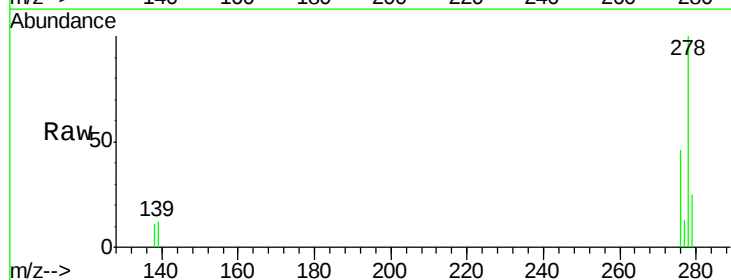
Tgt Ion:278 Resp: 36463

Ion Ratio Lower Upper

278 100

139 12.2 11.8 17.6

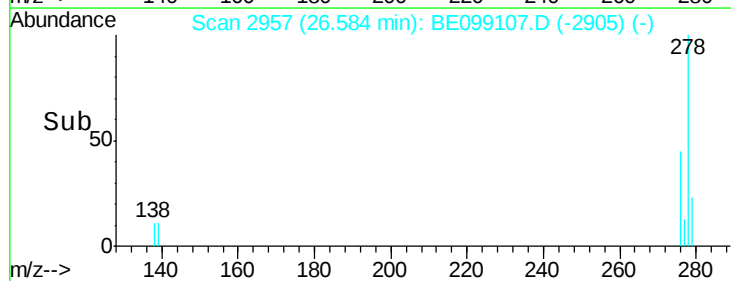
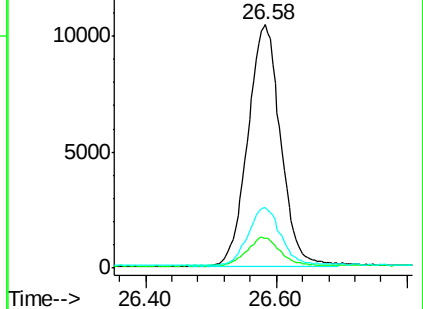
279 24.7 21.1 31.7

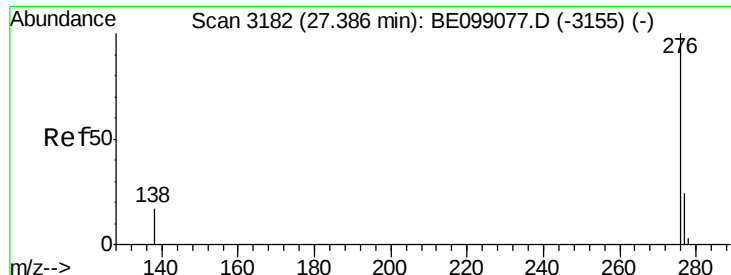


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.305 ng

RT: 27.36 min Scan# 3175

Delta R.T. -0.03 min

Lab File: BE099107.D

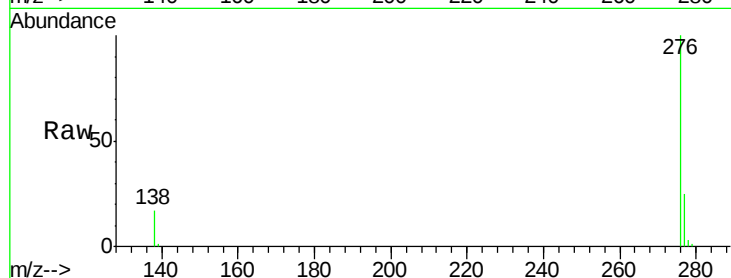
Acq: 23 Mar 2019 12:01

Instrument :

BNA_E

ClientSampleId :

PB118176BS



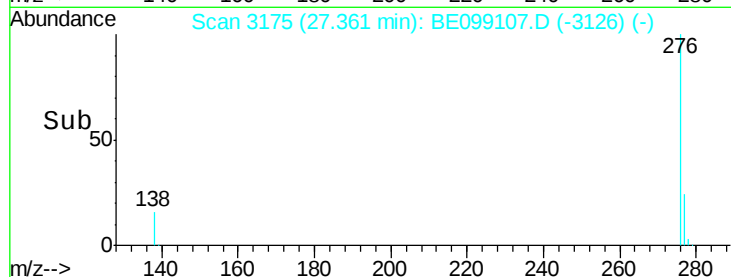
Tot Ion: 276 Resp: 37608

Ion Ratio Lower Upper

276 100

277 24.5 20.4 30.6

138 17.1 13.6 20.4



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

