

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\
 Data File : BE099586.D
 Acq On : 9 May 2019 11:44
 Operator : JU/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 09 12:38:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 11:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1475	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	5321	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	3562	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	9906	0.40	ng	0.00
27) Chrysene-d12	21.43	240	15047	0.40	ng	0.00
34) Perylene-d12	23.97	264	16035	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	6624	1.62	ng	0.00
5) Phenol-d6	6.98	99	8831	1.64	ng	0.00
8) Nitrobenzene-d5	8.98	82	8550	1.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	14524	1.57	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	3545	1.49	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	22427	1.66	ng	0.00
25) Fluoranthene-d10	19.27	212	212794	1.60	ng	0.00
29) Terphenyl-d14	19.87	244	42991	1.54	ng	0.00

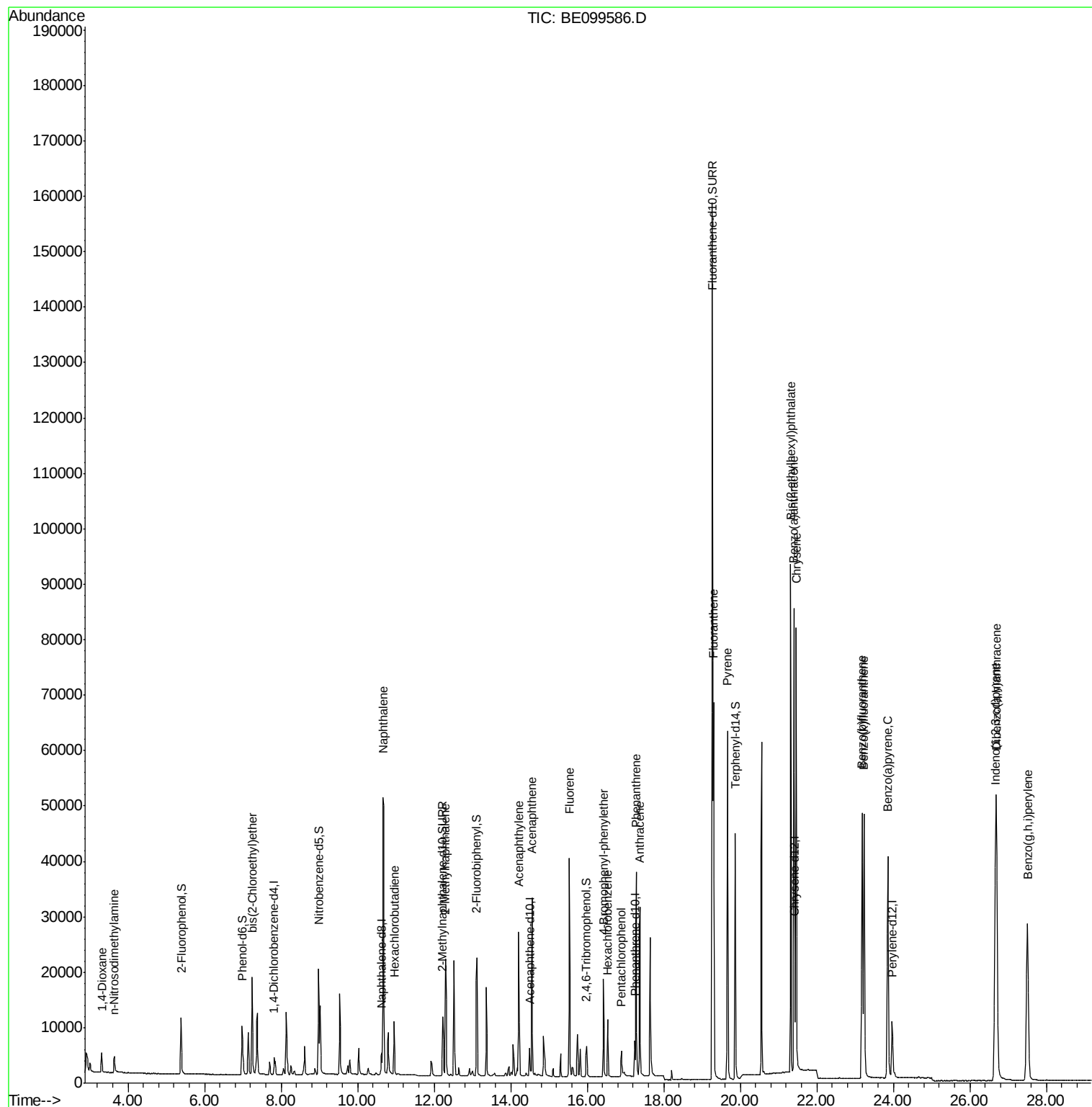
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	3380	1.622	ng	92
3) n-Nitrosodimethylamine	3.62	42	2138	1.551	ng	99
6) bis(2-Chloroethyl)ether	7.24	93	7235	1.614	ng	98
9) Naphthalene	10.67	128	92816	1.647	ng	99
10) Hexachlorobutadiene	10.95	225	6587	1.609	ng	100
12) 2-Methylnaphthalene	12.29	142	15179	1.589	ng	98
16) Acenaphthylene	14.21	152	28287	1.646	ng	99
17) Acenaphthene	14.56	154	15755	1.641	ng	99
18) Fluorene	15.53	166	22489	1.640	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	9186	1.632	ng	98
21) Hexachlorobenzene	16.53	284	9025	1.612	ng	99
22) Pentachlorophenol	16.89	266	3619	1.571	ng	95
23) Phenanthrene	17.28	178	40156	1.645	ng	99
24) Anthracene	17.38	178	38264	1.630	ng	100
26) Fluoranthene	19.30	202	60894	1.620	ng	100
28) Pyrene	19.67	202	62955	1.562	ng	100
30) Benzo(a)anthracene	21.40	228	74543	1.599	ng	98
31) Chrysene	21.46	228	71904	1.563	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	98632	1.335	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	89627	1.641	ng	# 93
35) Benzo(b)fluoranthene	23.18	252	72133	1.631	ng	# 97
36) Benzo(k)fluoranthene	23.23	252	71402	1.640	ng	97
37) Benzo(a)pyrene	23.85	252	69778	1.636	ng	# 96
38) Dibenzo(a,h)anthracene	26.69	278	73644	1.669	ng	98
39) Benzo(g,h,i)perylene	27.50	276	74321	1.682	ng	98

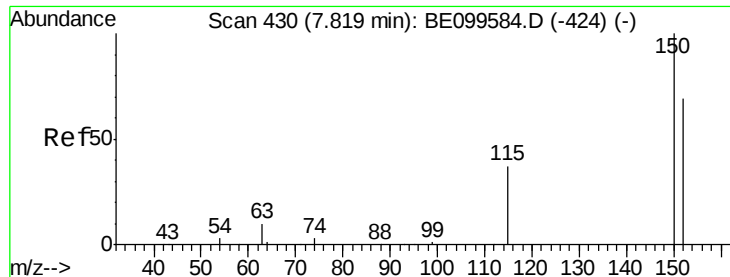
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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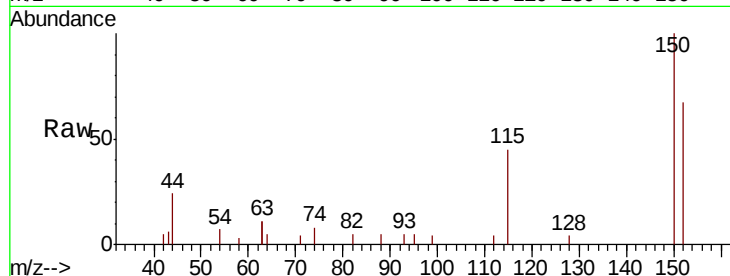


#1

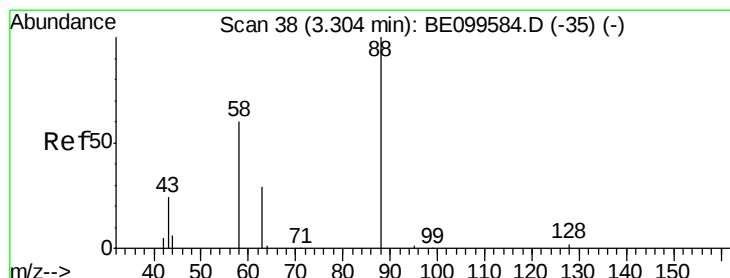
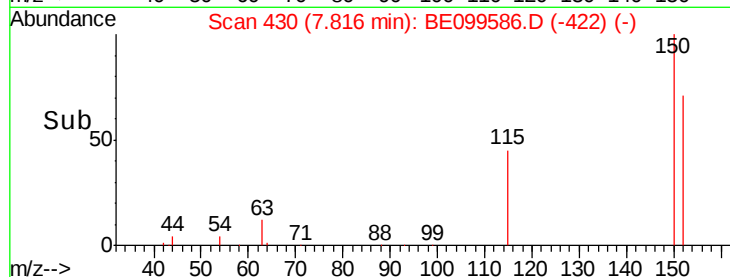
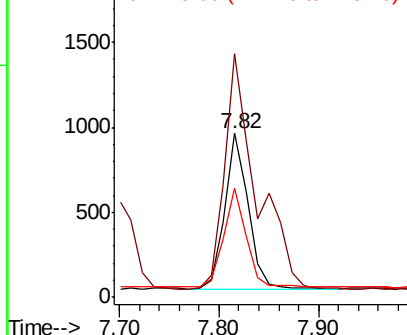
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1475
Ion Ratio Lower Upper
152 100
150 148.5 114.2 171.4
115 66.7 45.4 68.0



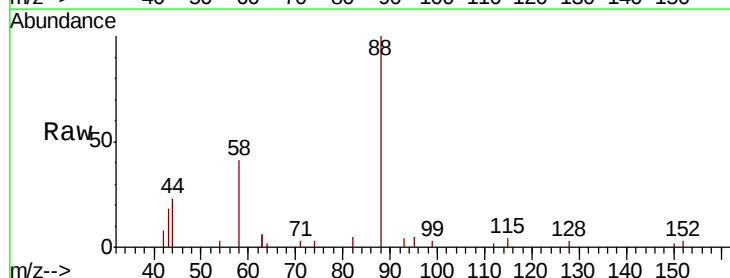
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



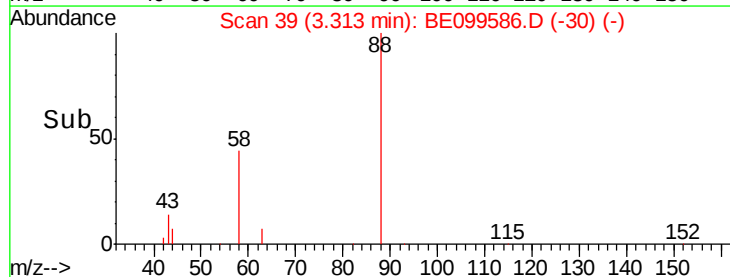
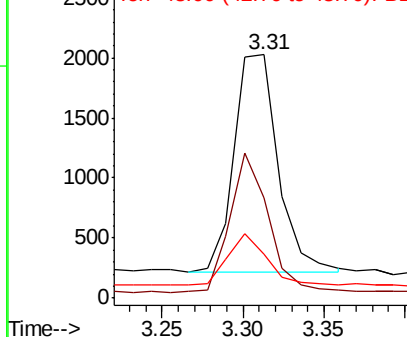
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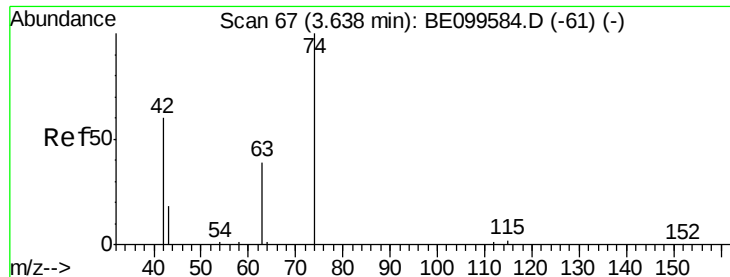
1,4-Dioxane
Concen: 1.622 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.01 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion: 88 Resp: 3380
Ion Ratio Lower Upper
88 100
58 56.1 41.3 61.9
43 21.3 21.0 31.6



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



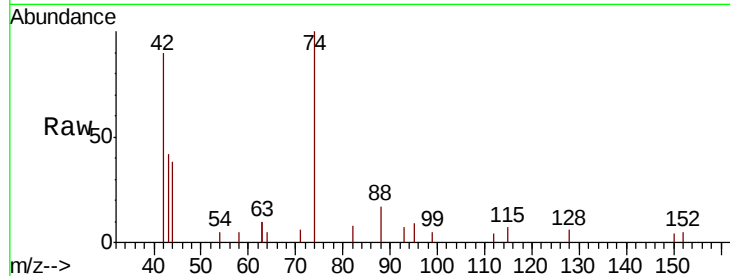


#3

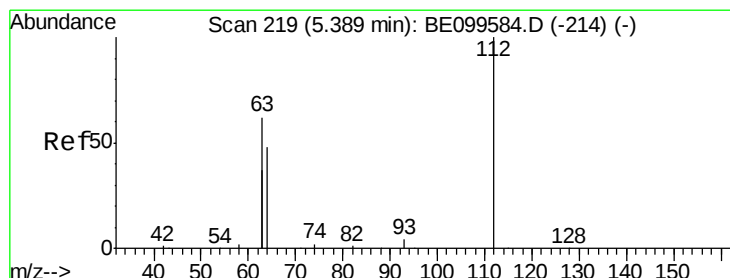
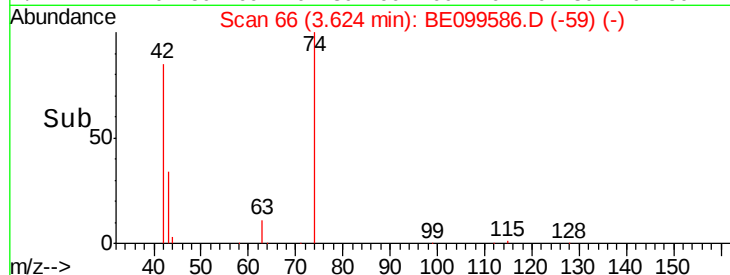
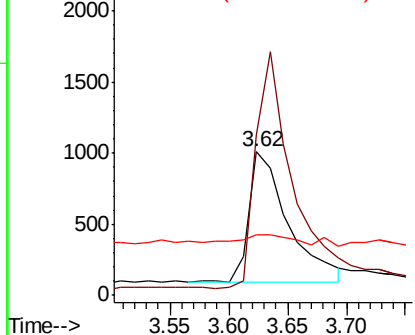
n-Nitrosodimethylamine
Concen: 1.551 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.01 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampled :

Tot Ion: 42 Resp: 2138
Ion Ratio Lower Upper
42 100
74 172.0 136.9 205.3
44 9.7 7.1 10.7



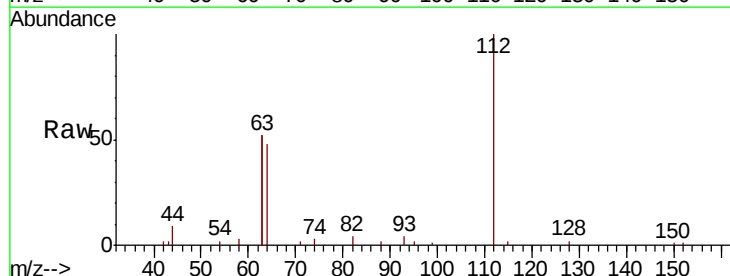
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



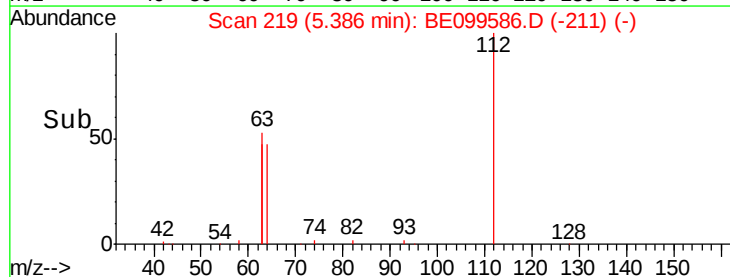
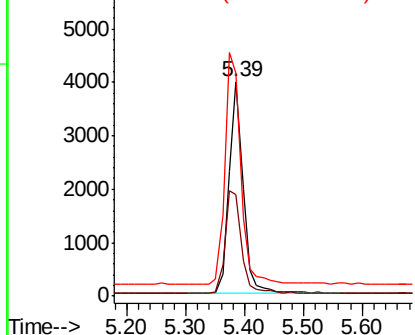
#4

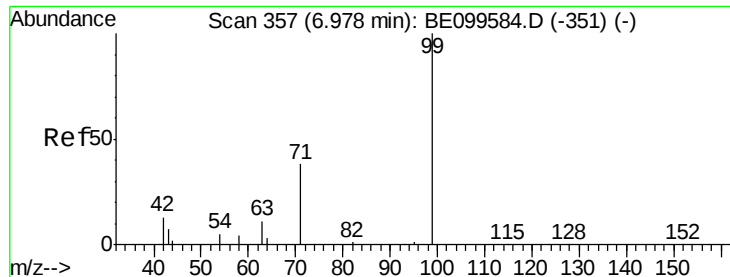
2-Fluorophenol
Concen: 1.620 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion: 112 Resp: 6624
Ion Ratio Lower Upper
112 100
64 55.9 46.2 69.4
63 122.1 100.2 150.4



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: 1.641 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

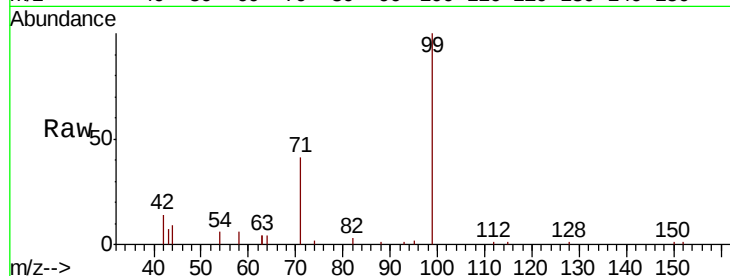
Tot Ion: 99 Resp: 8831

Ion Ratio Lower Upper

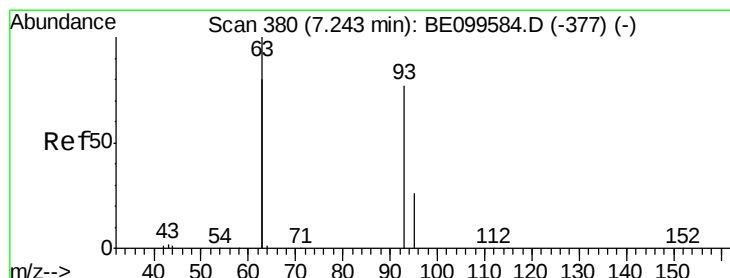
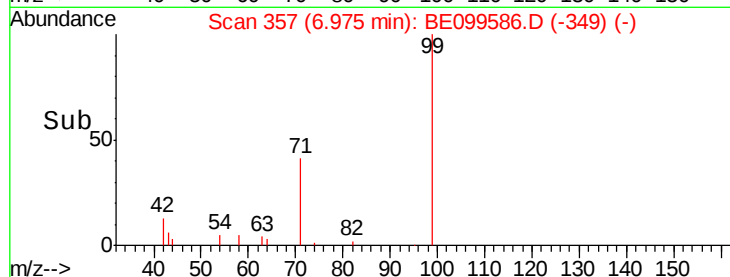
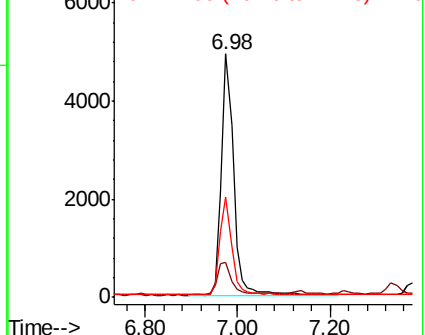
99 100

42 15.2 13.8 20.8

71 39.9 32.2 48.4



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: 1.614 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

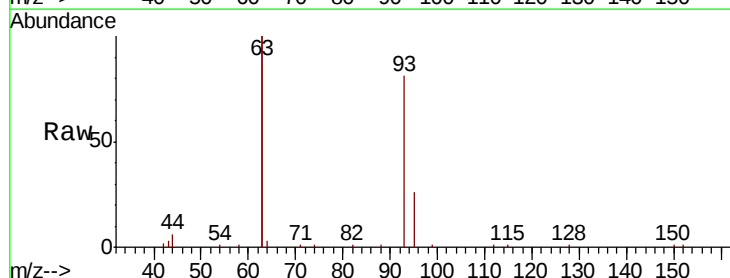
Tgt Ion: 93 Resp: 7235

Ion Ratio Lower Upper

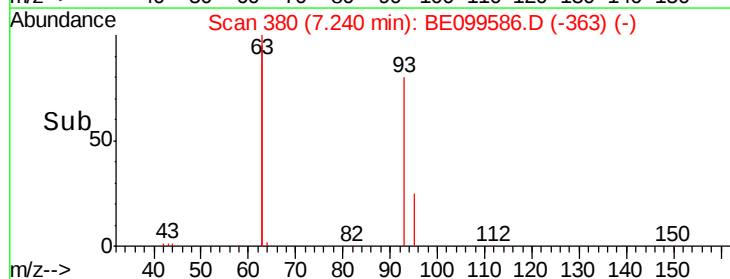
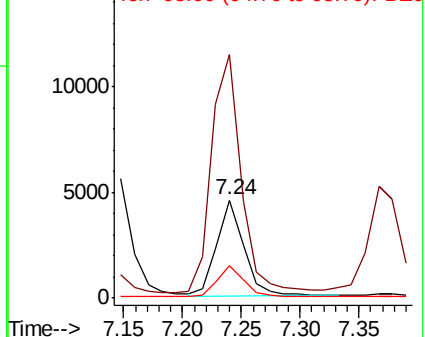
93 100

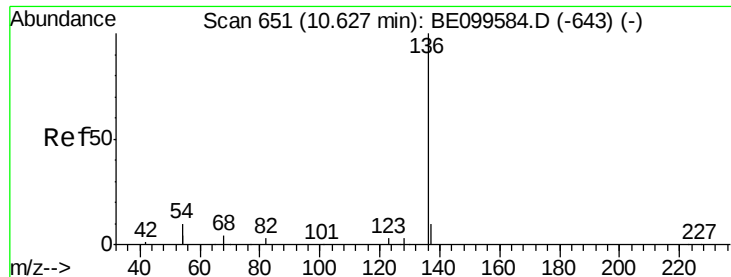
63 270.9 213.4 320.0

95 32.3 24.9 37.3



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. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5321

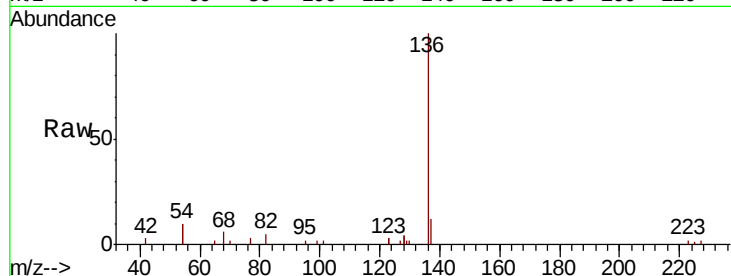
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 20.5 16.5 24.7

68 5.5 4.5 6.7

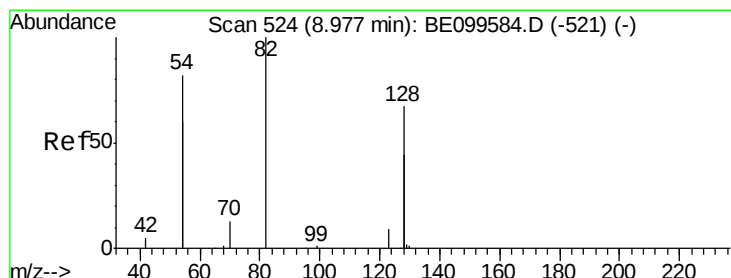
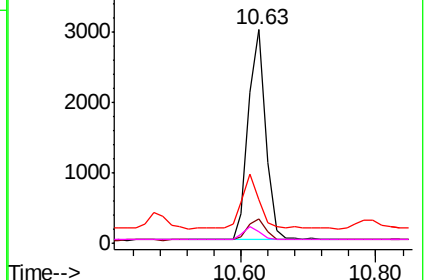
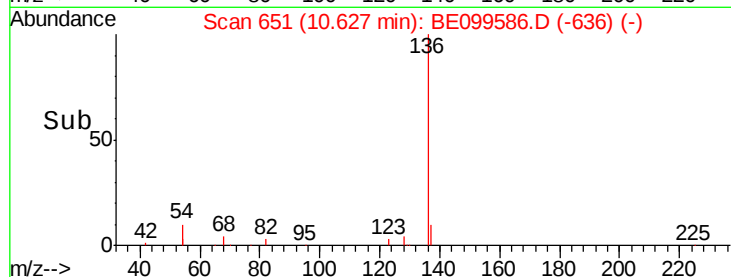


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.668 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

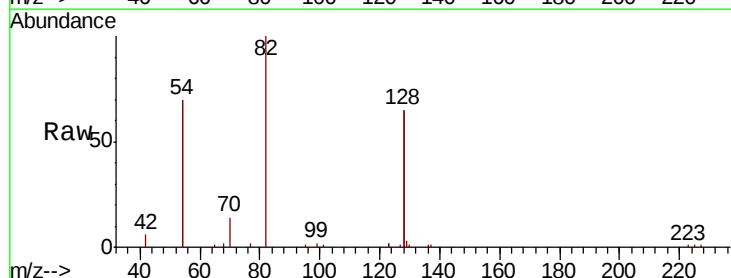
Tgt Ion: 82 Resp: 8550

Ion Ratio Lower Upper

82 100

128 129.8 101.5 152.3

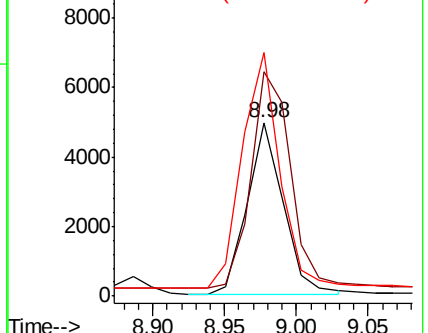
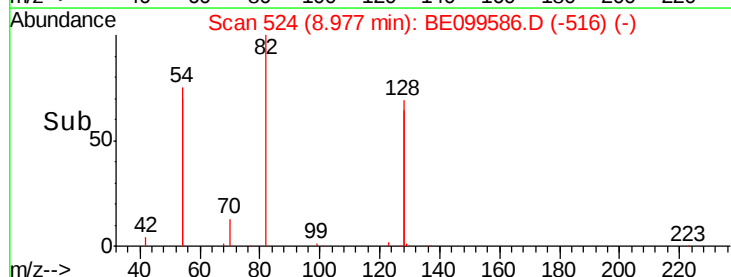
54 140.4 123.8 185.6

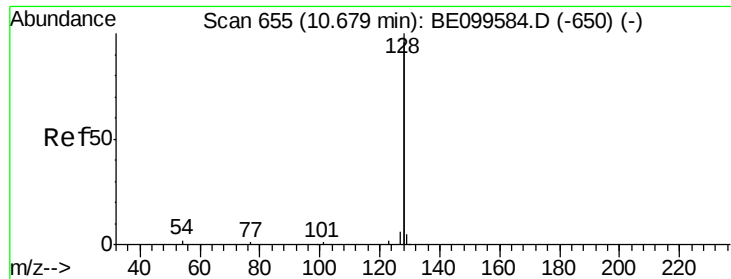


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.647 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

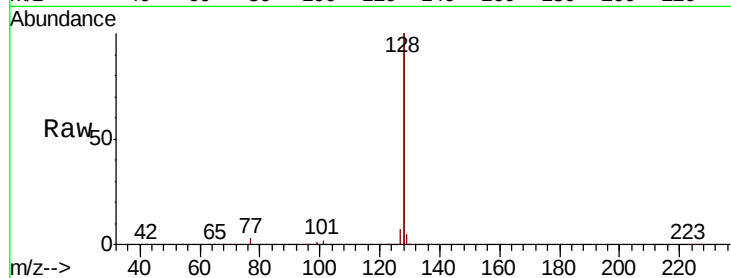
Tot Ion:128 Resp: 92816

Ion Ratio Lower Upper

128 100

129 2.7 2.4 3.6

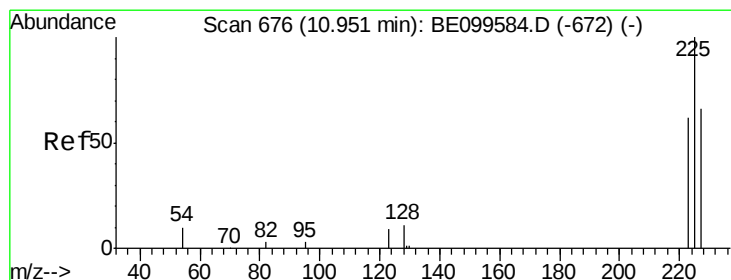
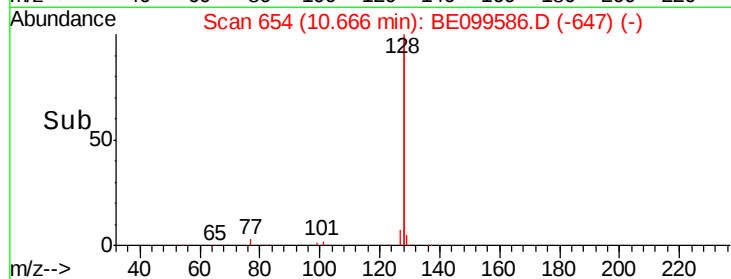
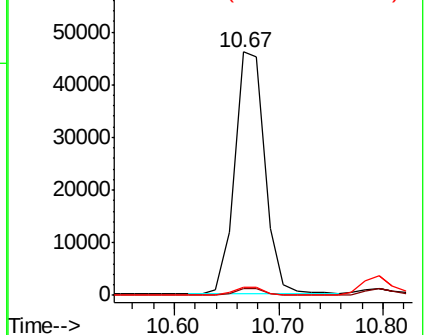
127 3.4 2.8 4.2



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: 1.609 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

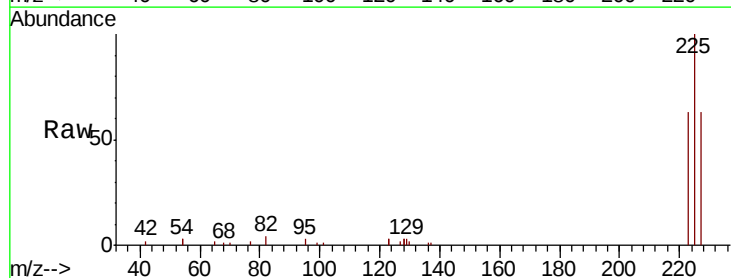
Tgt Ion:225 Resp: 6587

Ion Ratio Lower Upper

225 100

223 62.6 49.6 74.4

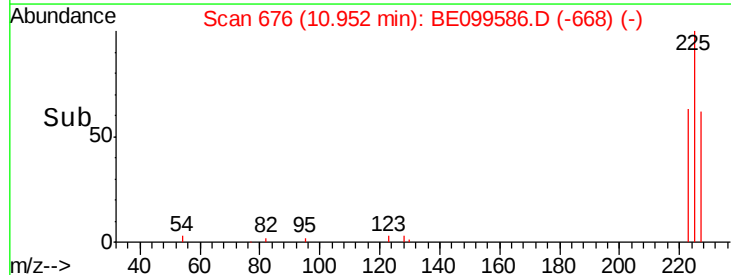
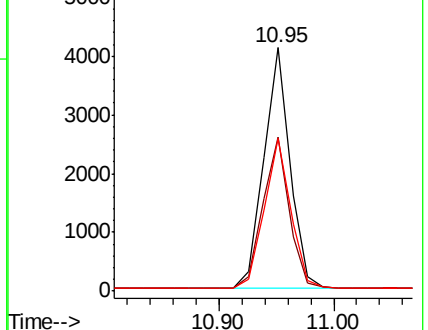
227 62.7 50.1 75.1

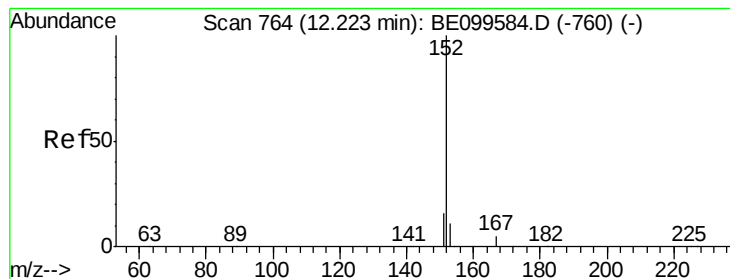


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.567 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

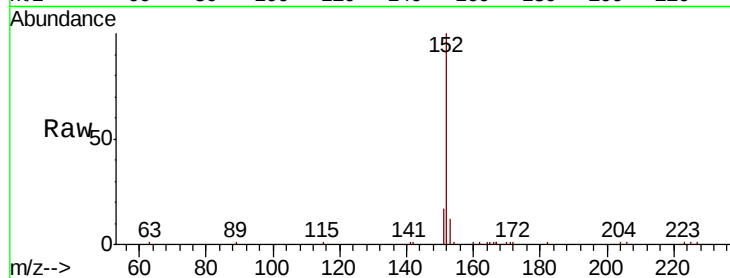
ClientSampleId :

Tot Ion:152 Resp: 14524

Ion Ratio Lower Upper

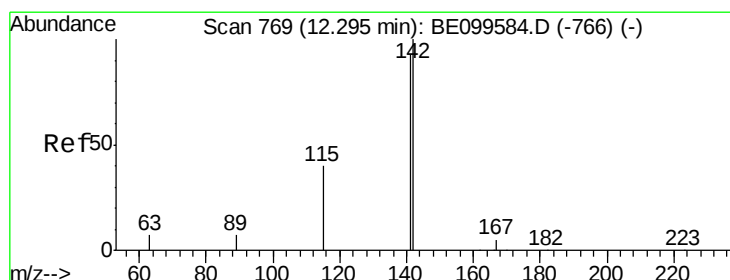
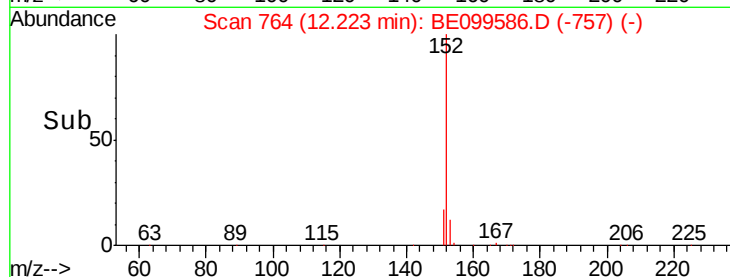
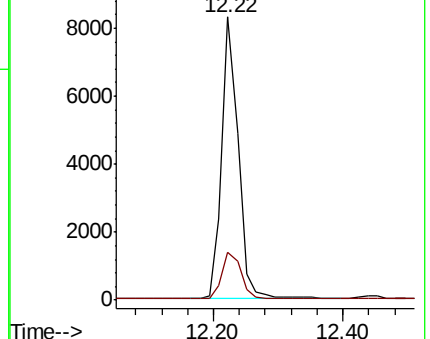
152 100

151 19.3 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.589 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

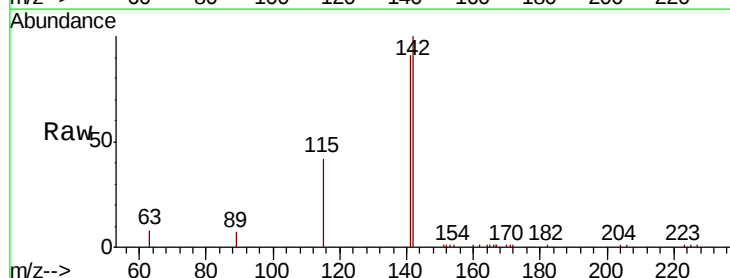
Tgt Ion:142 Resp: 15179

Ion Ratio Lower Upper

142 100

141 91.3 75.0 112.4

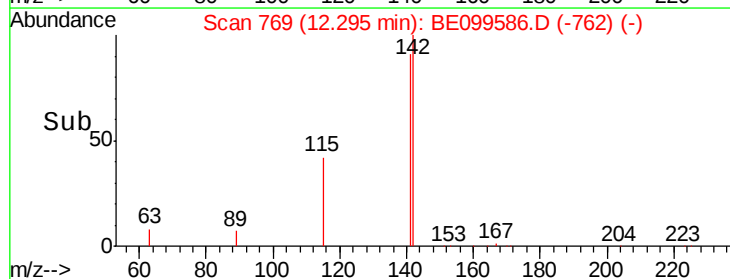
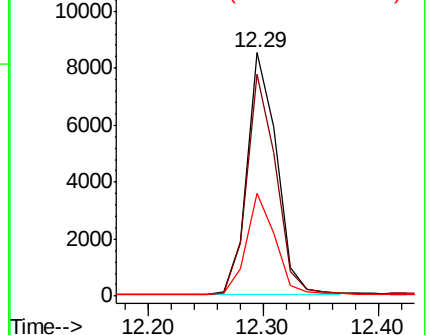
115 42.0 33.7 50.5

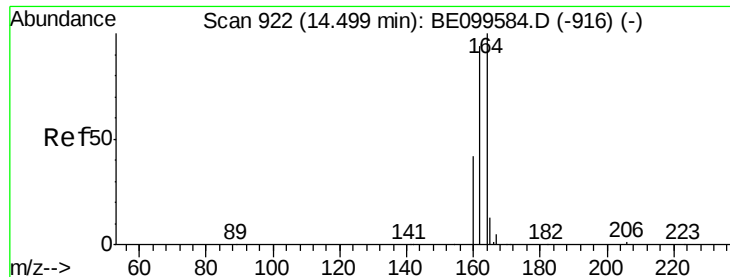


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

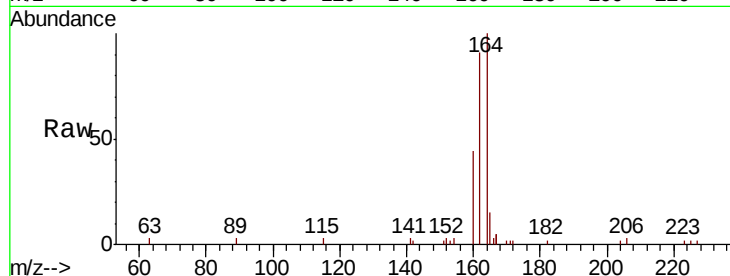




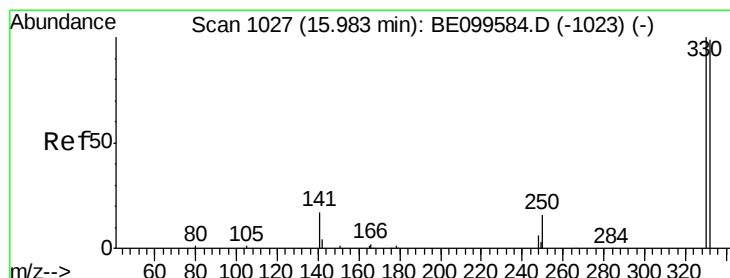
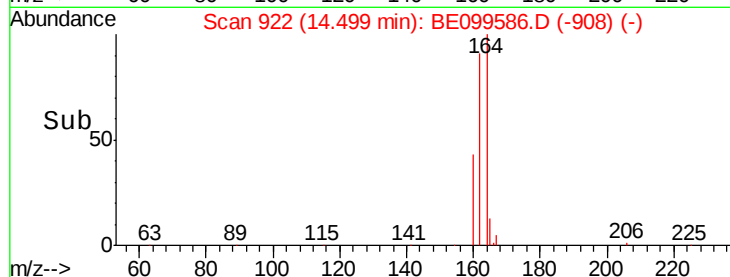
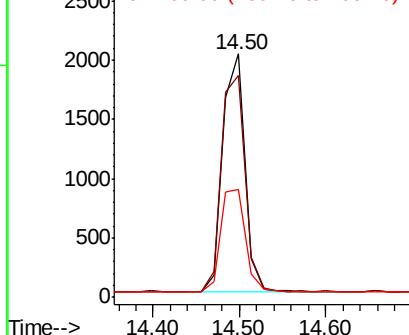
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampled :

Tot Ion:164 Resp: 3562
Ion Ratio Lower Upper
164 100
162 91.3 75.3 112.9
160 44.1 34.7 52.1

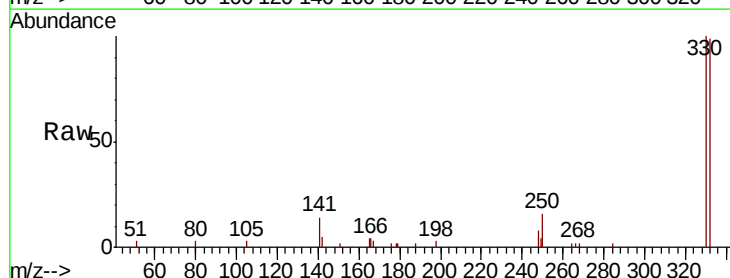


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

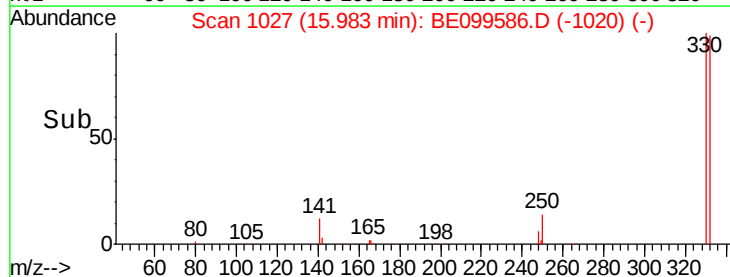
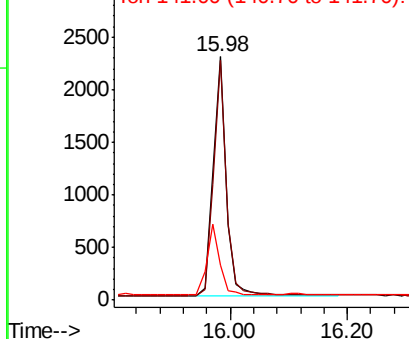


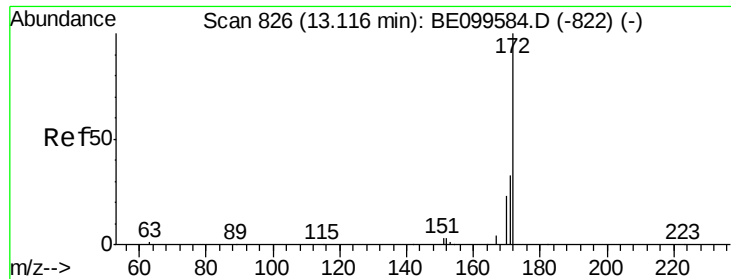
#14
2,4,6-Tribromophenol
Concen: 1.495 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:330 Resp: 3545
Ion Ratio Lower Upper
330 100
332 98.8 78.7 118.1
141 28.3 22.3 33.5



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

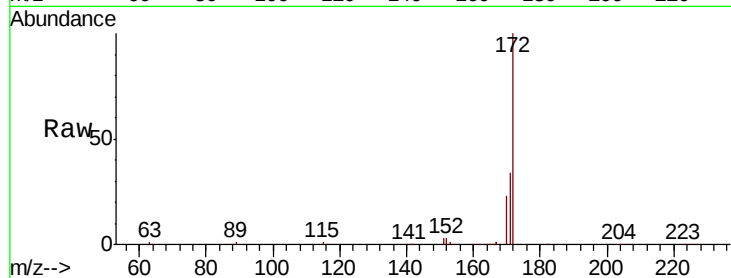




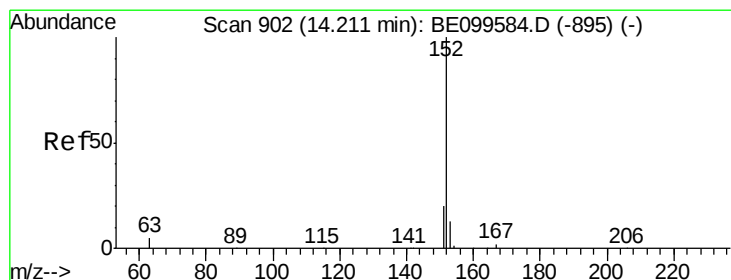
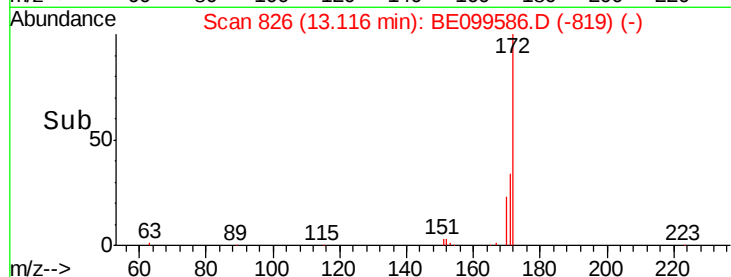
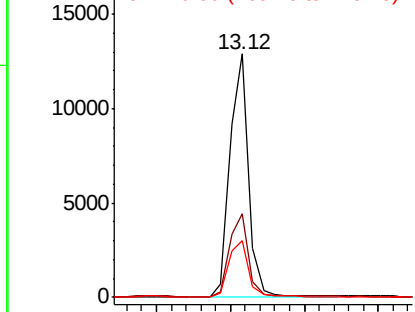
#15
2-Fluorobiphenyl
Concen: 1.662 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 22427
Ion Ratio Lower Upper
172 100
171 34.4 27.5 41.3
170 23.1 19.1 28.7

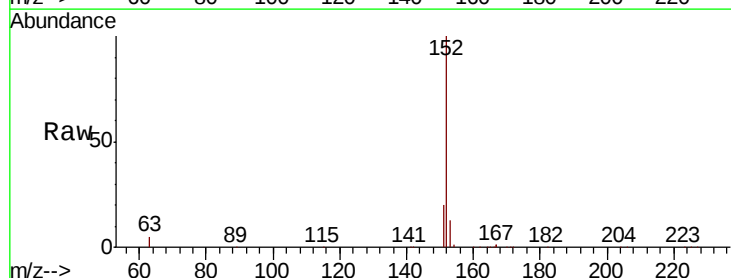


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

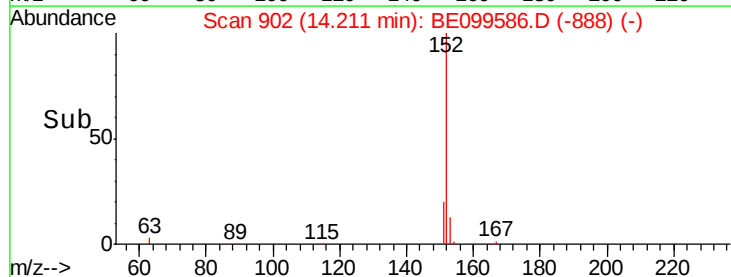
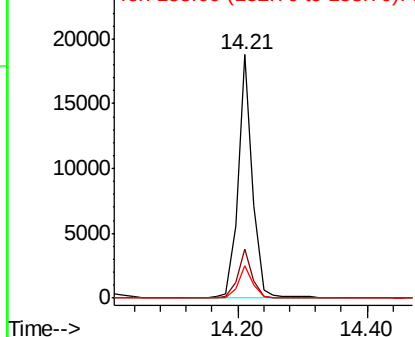


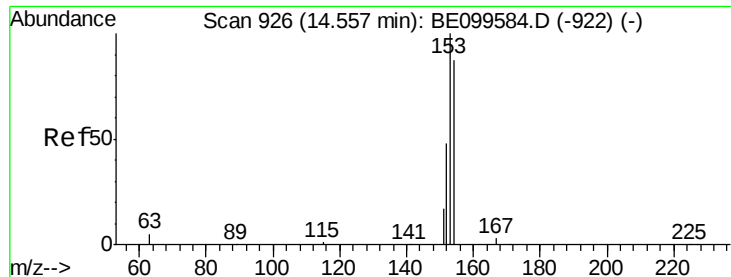
#16
Acenaphthylene
Concen: 1.646 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:152 Resp: 28287
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.1 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

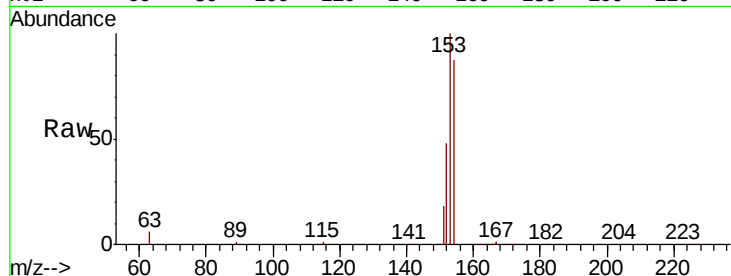




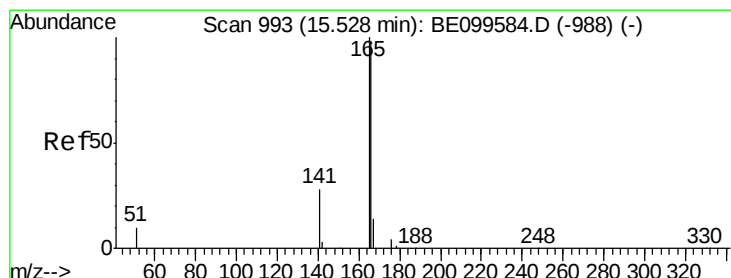
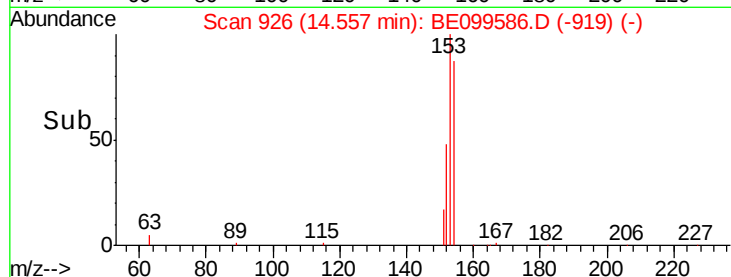
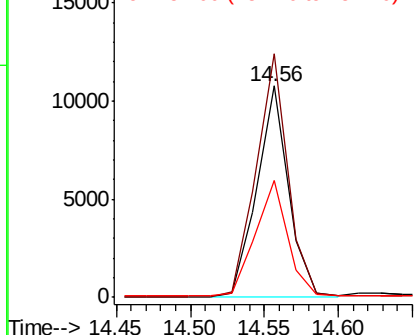
#17
Acenaphthene
Concen: 1.641 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 15755
Ion Ratio Lower Upper
154 100
153 115.5 92.9 139.3
152 56.3 46.3 69.5

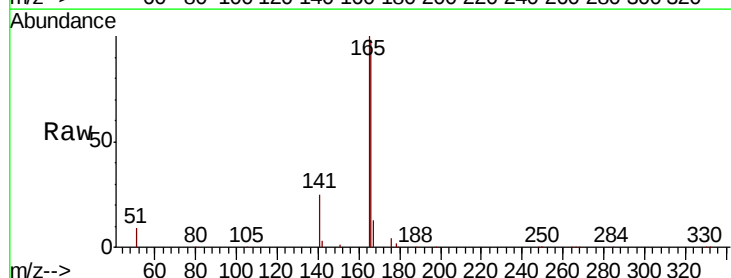


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

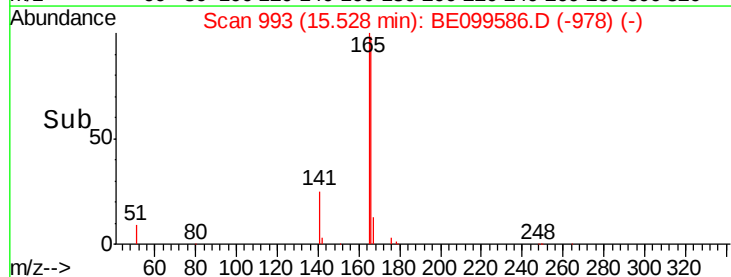
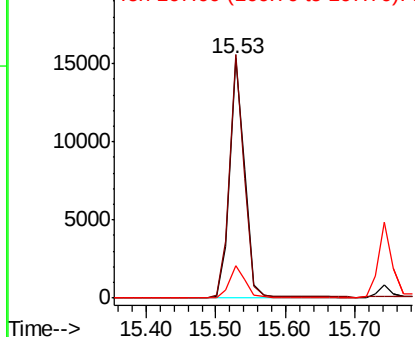


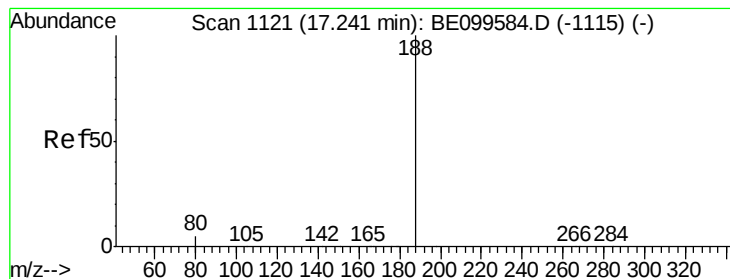
#18
Fluorene
Concen: 1.640 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:166 Resp: 22489
Ion Ratio Lower Upper
166 100
165 99.7 80.5 120.7
167 13.5 11.6 17.4



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: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

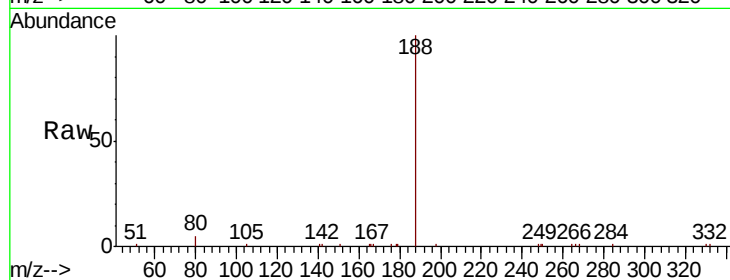
Tot Ion:188 Resp: 9906

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

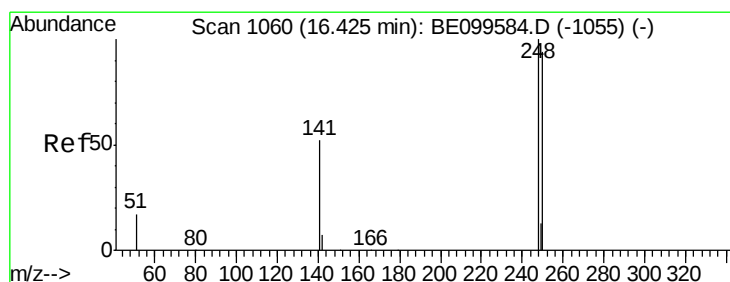
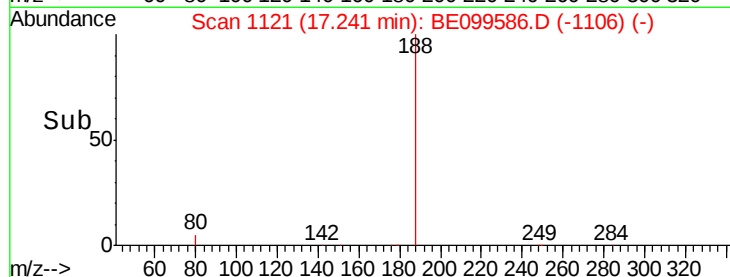
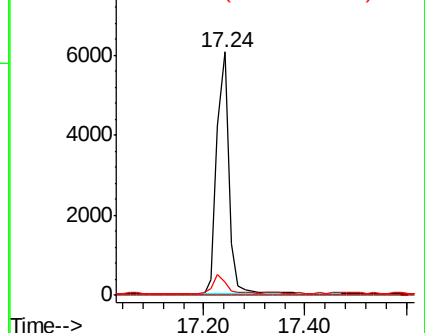
80 5.4 4.4 6.6



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: 1.632 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

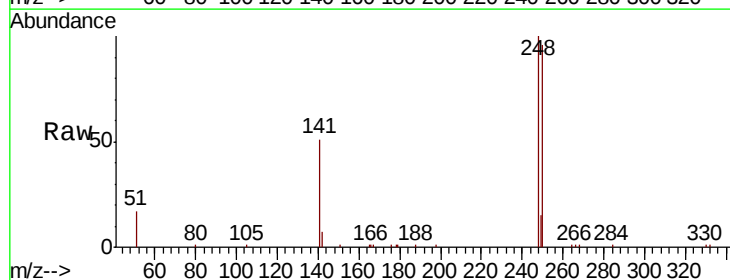
Tgt Ion:248 Resp: 9186

Ion Ratio Lower Upper

248 100

250 95.7 75.7 113.5

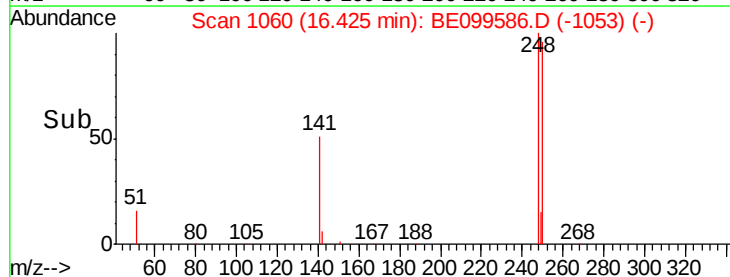
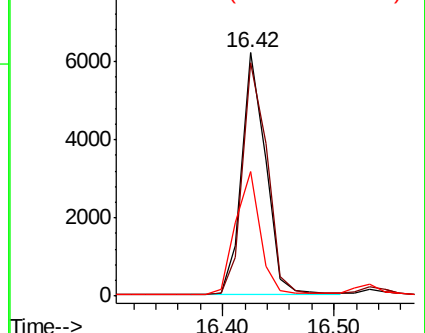
141 51.2 42.9 64.3

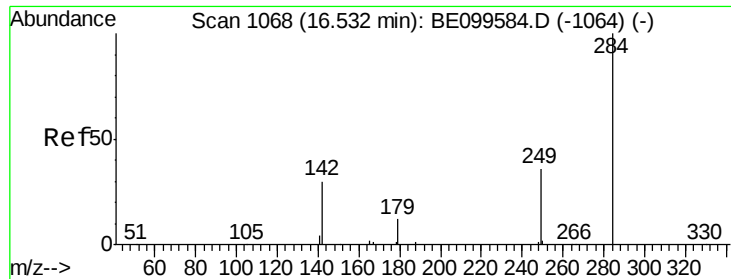


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.612 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

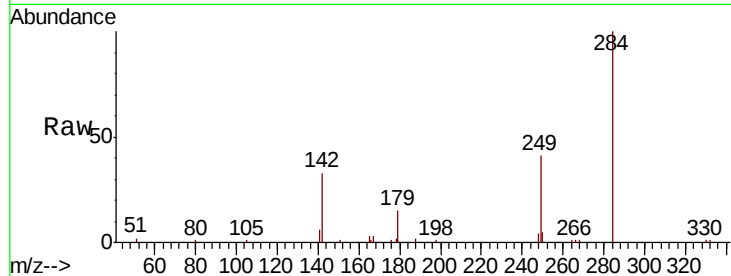
Tot Ion:284 Resp: 9025

Ion Ratio Lower Upper

284 100

142 26.2 20.6 30.8

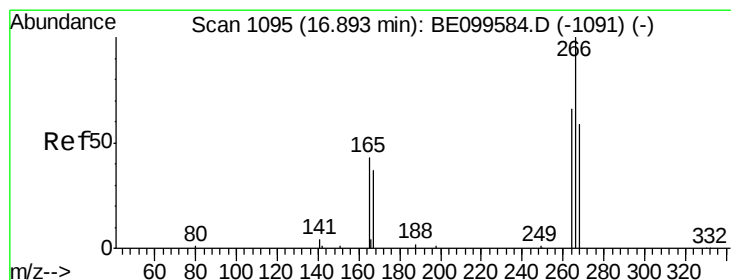
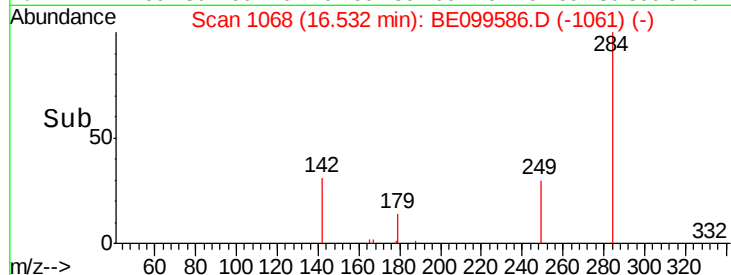
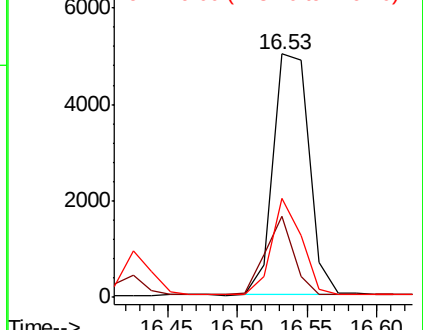
249 33.1 25.8 38.6



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: 1.571 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

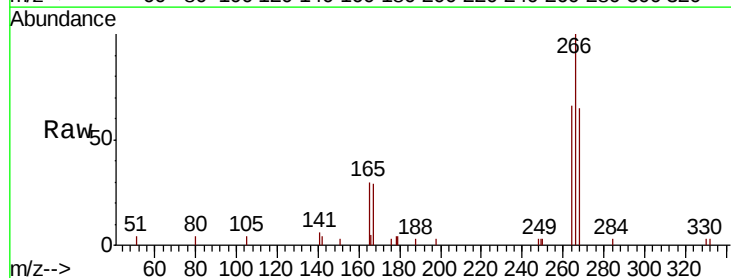
Tgt Ion:266 Resp: 3619

Ion Ratio Lower Upper

266 100

264 66.0 57.3 85.9

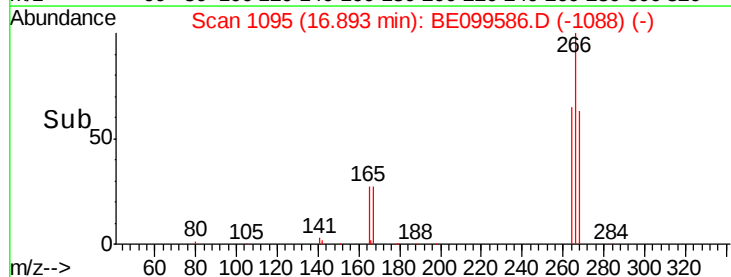
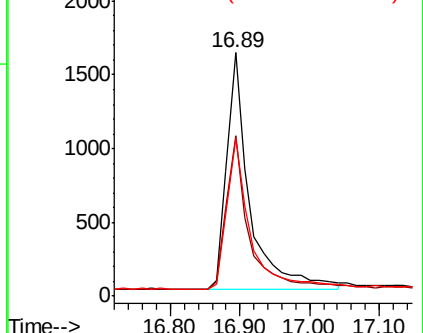
268 64.7 53.5 80.3

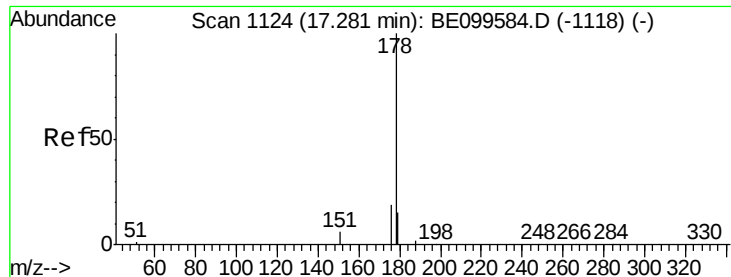


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.645 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

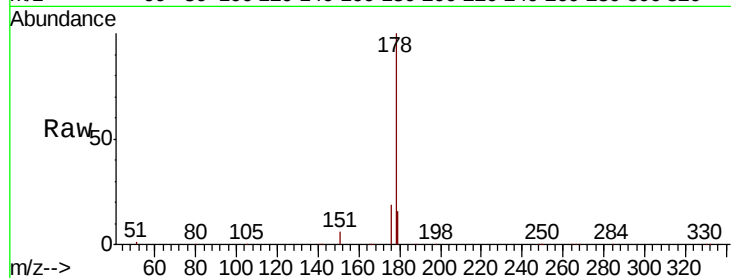
Tot Ion:178 Resp: 40156

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

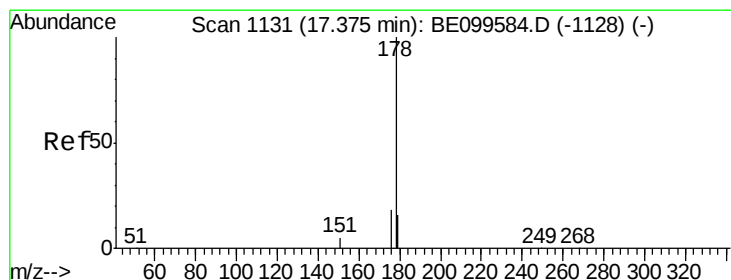
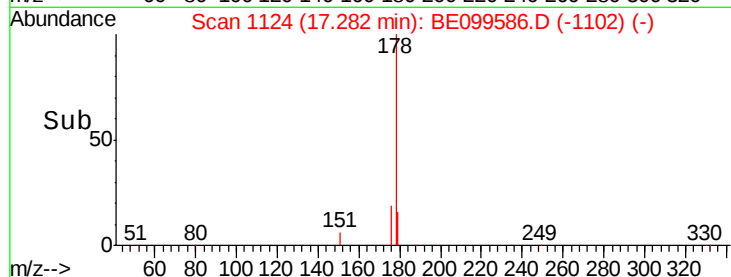
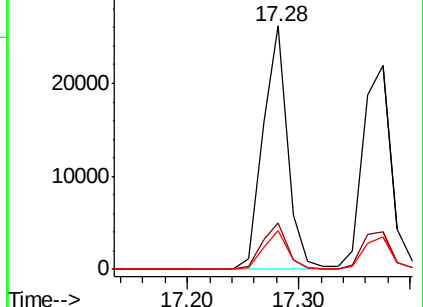
179 15.4 12.2 18.2



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: 1.630 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

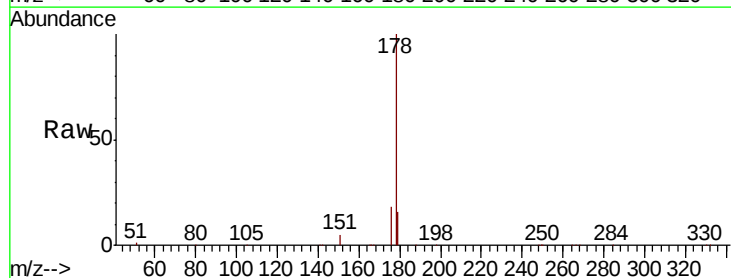
Tgt Ion:178 Resp: 38264

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

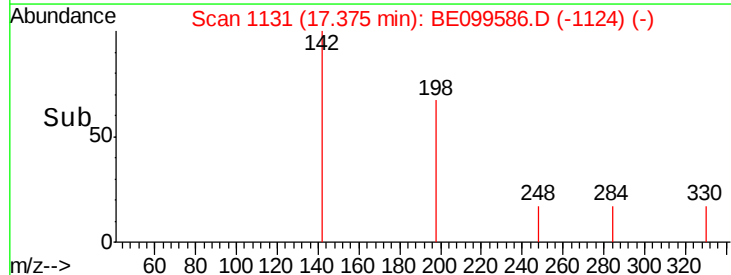
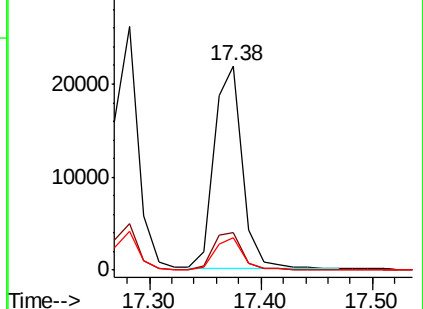
179 15.3 12.3 18.5

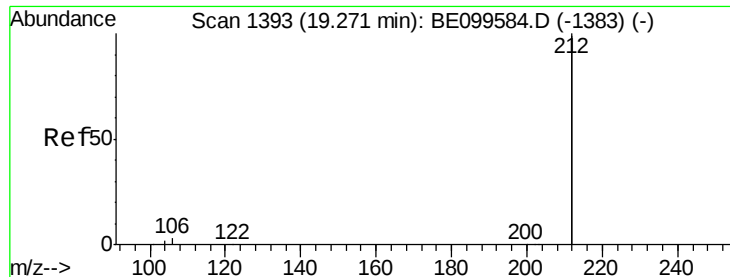


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.595 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

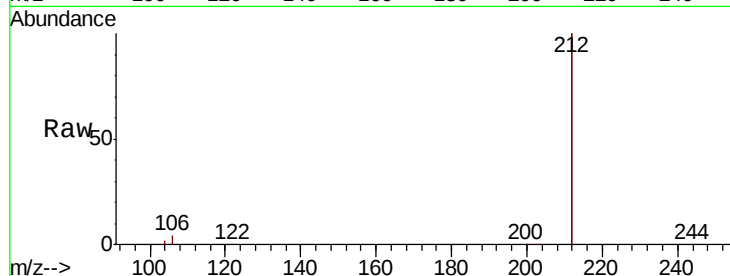
Tot Ion:212 Resp: 212794

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

104 1.0 0.9 1.3

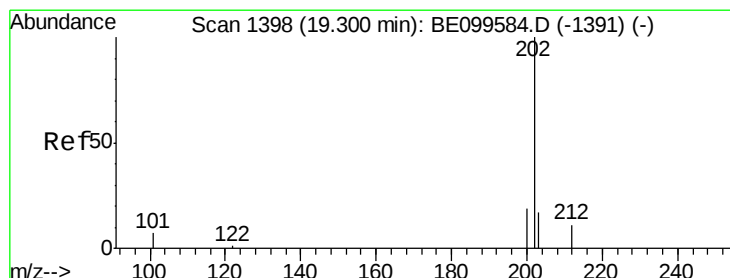
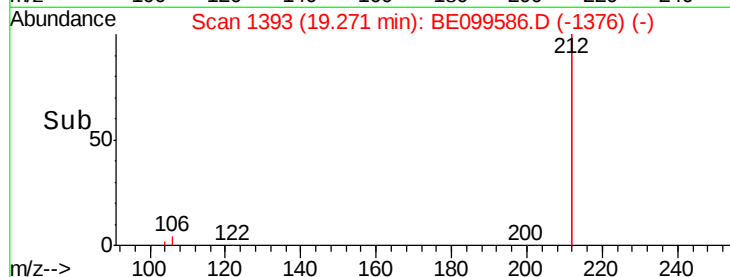
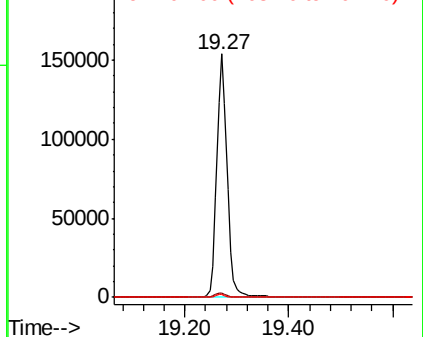


Abundance

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: 1.620 ng

RT: 19.30 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

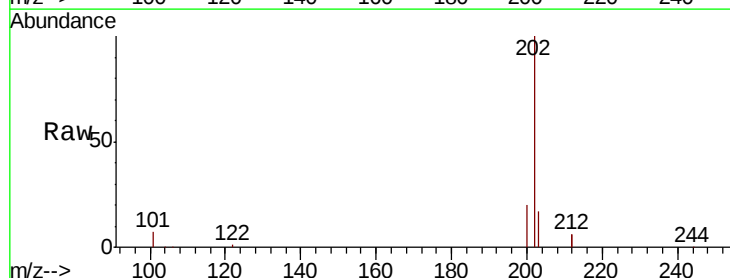
Tgt Ion:202 Resp: 60894

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.2

203 17.1 13.7 20.5

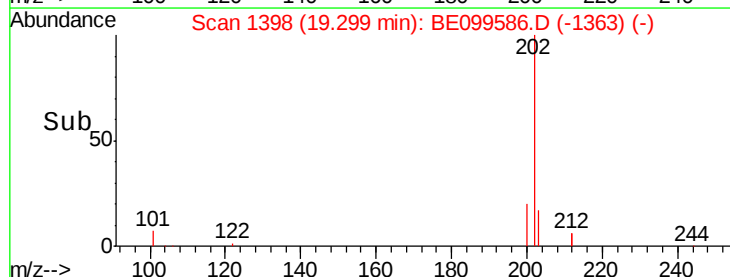
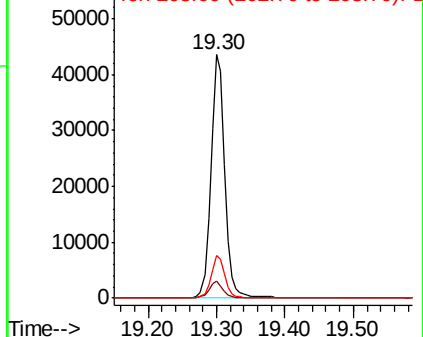


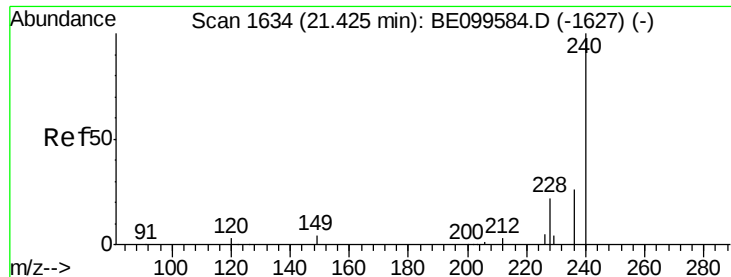
Abundance

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

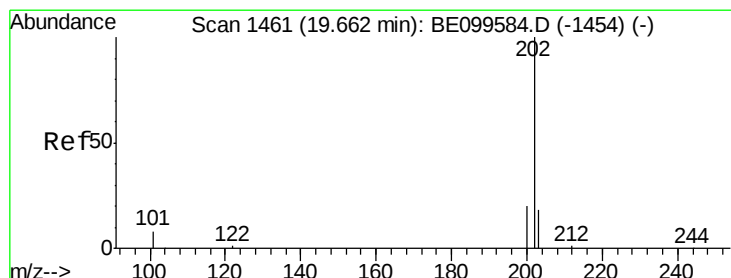
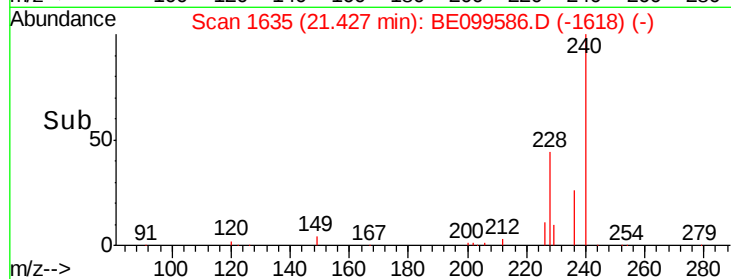
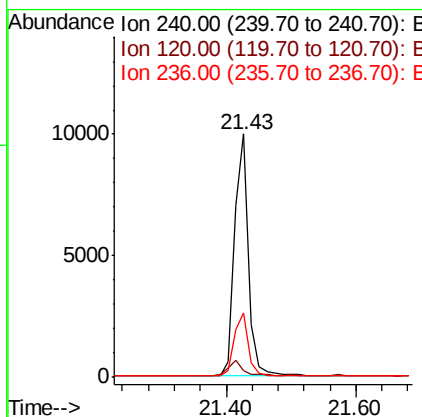
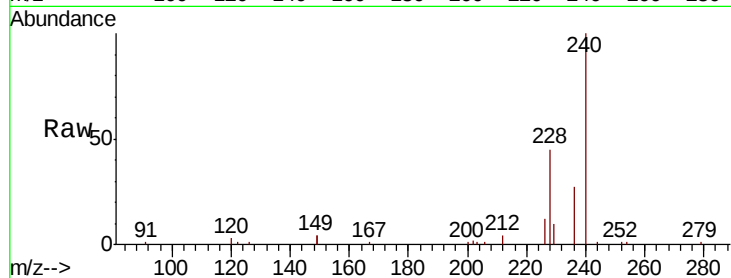




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: BE099586.D
 Acq: 9 May 2019 11:44

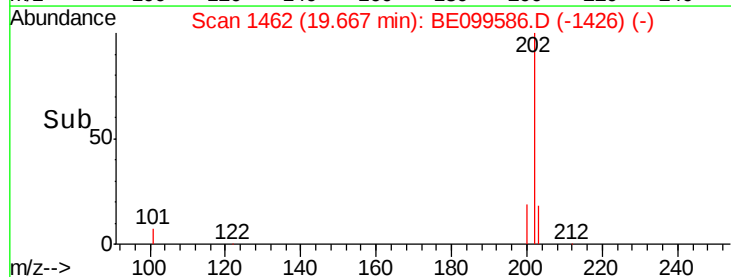
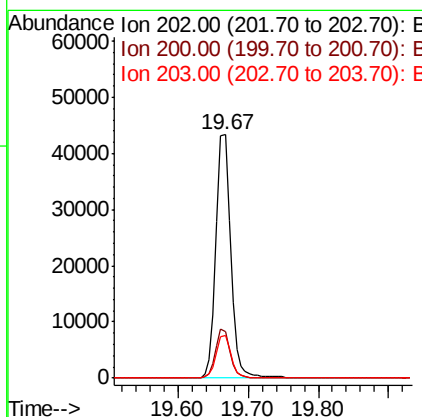
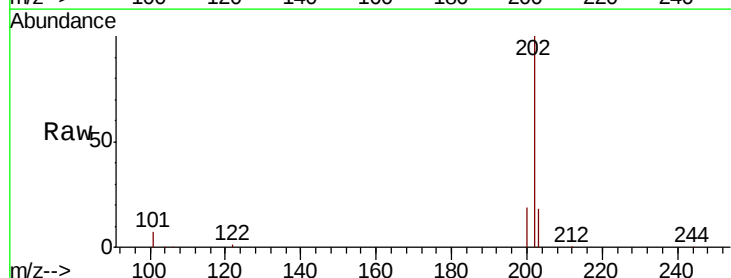
Instrument :
 BNA_E
 ClientSampleId :

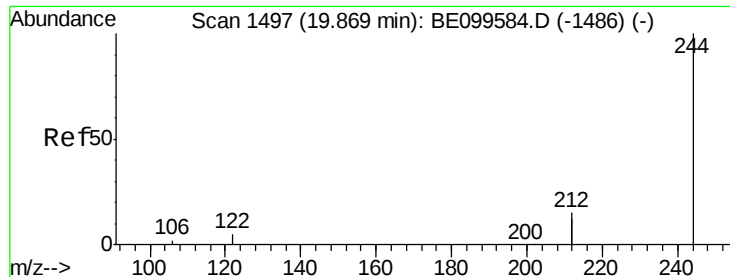
Tot Ion:240 Resp: 15047
 Ion Ratio Lower Upper
 240 100
 120 3.0 3.2 4.8#
 236 26.5 21.0 31.6



#28
 Pyrene
 Concen: 1.562 ng
 RT: 19.67 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BE099586.D
 Acq: 9 May 2019 11:44

Tgt Ion:202 Resp: 62955
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.9 23.9
 203 17.6 14.1 21.1





#29

Terphenyl-d14

Concen: 1.542 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

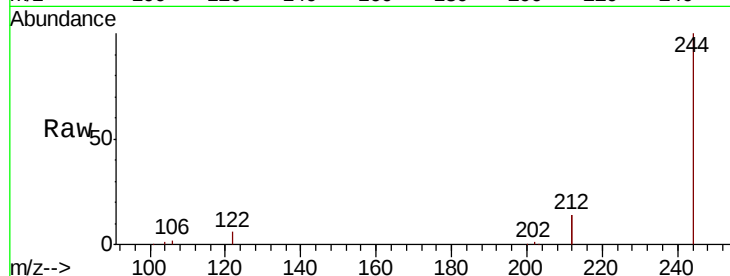
Tot Ion:244 Resp: 42991

Ion Ratio Lower Upper

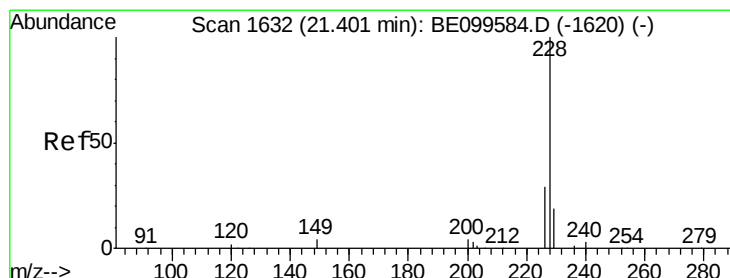
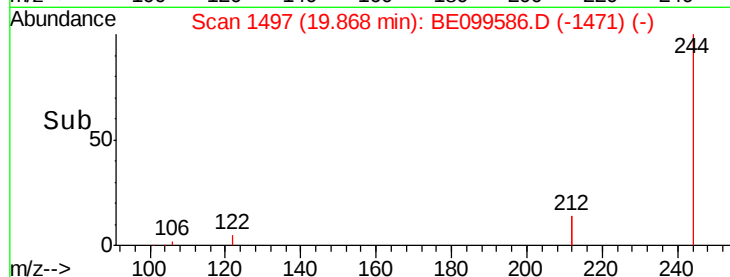
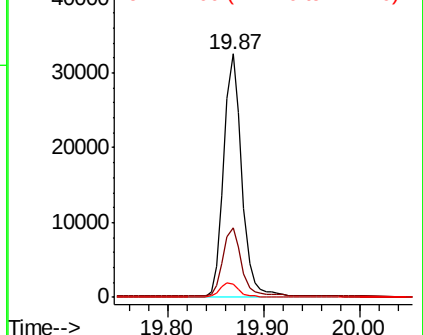
244 100

212 28.6 24.4 36.6

122 5.6 4.6 6.8



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: 1.599 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

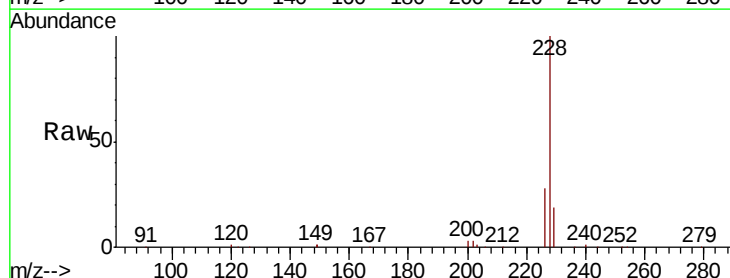
Tgt Ion:228 Resp: 74543

Ion Ratio Lower Upper

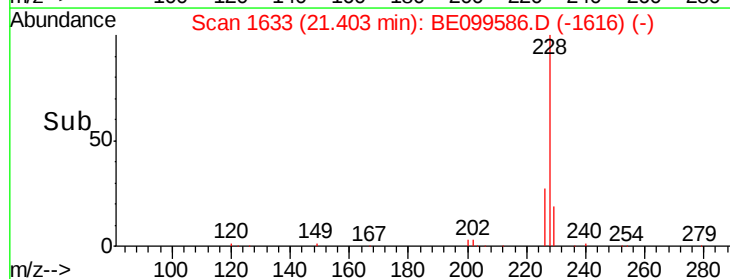
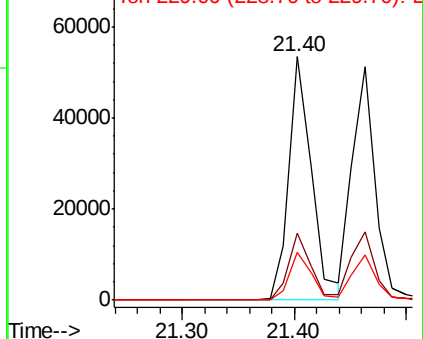
228 100

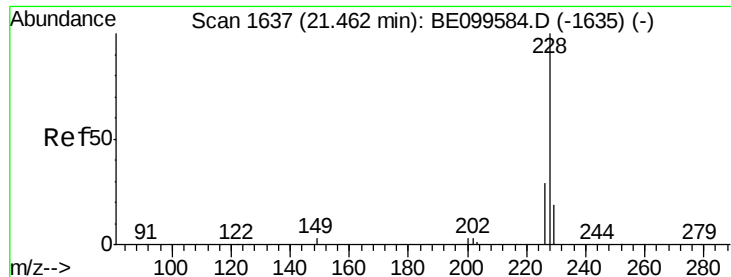
226 27.6 23.3 34.9

229 19.4 15.5 23.3



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: 1.563 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

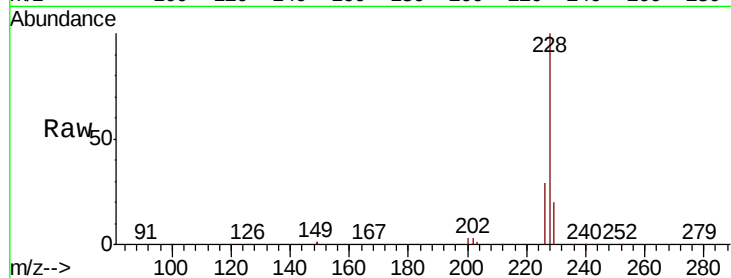
Tot Ion:228 Resp: 71904

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

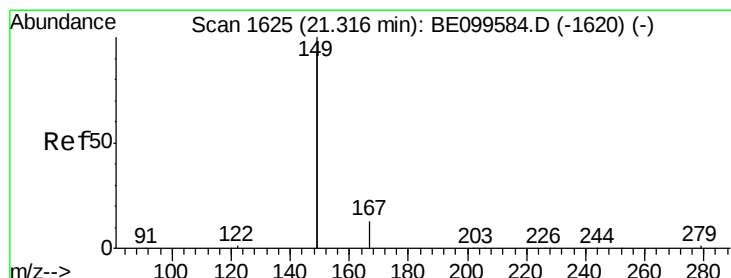
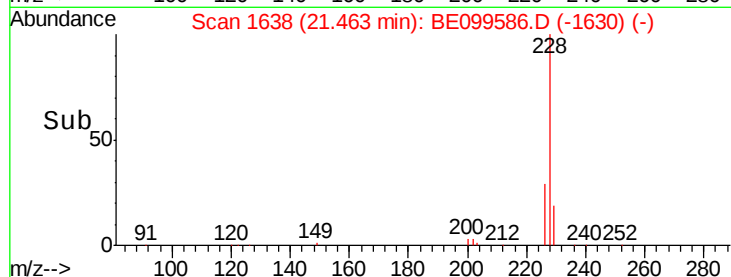
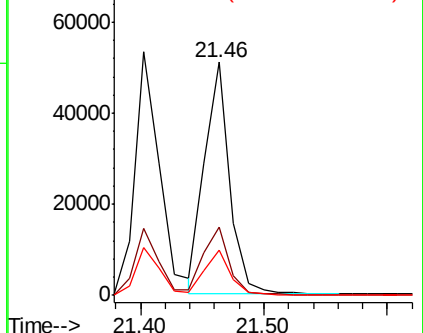
229 19.6 15.6 23.4



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: 1.335 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

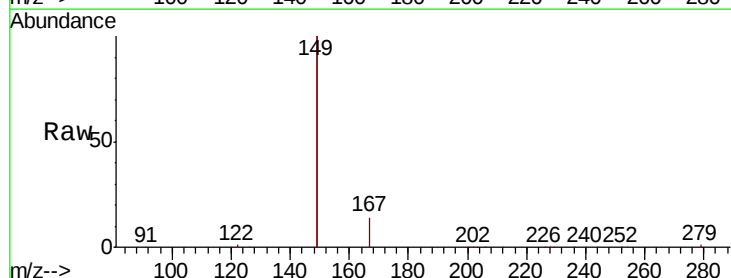
Tgt Ion:149 Resp: 98632

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

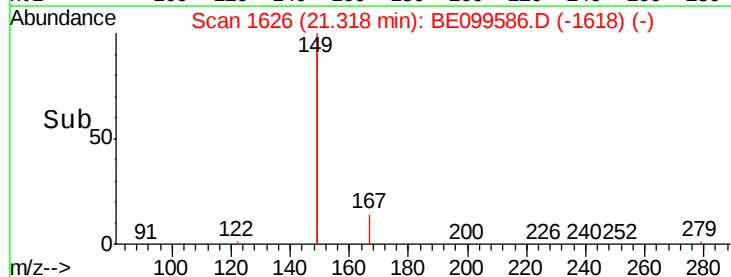
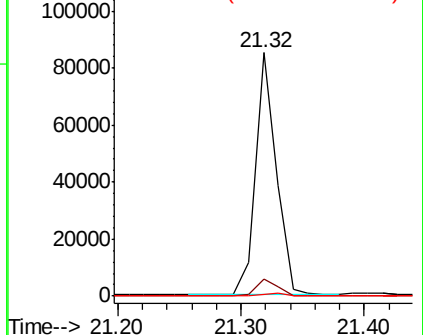
279 1.3 1.1 1.7

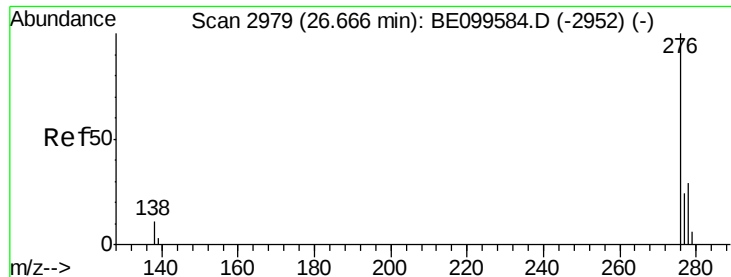


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

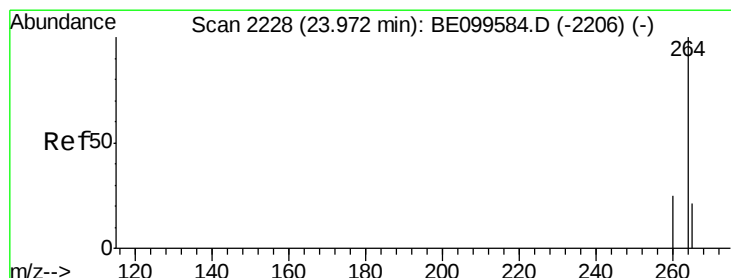
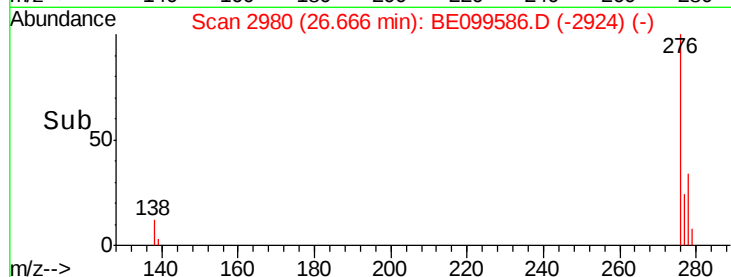
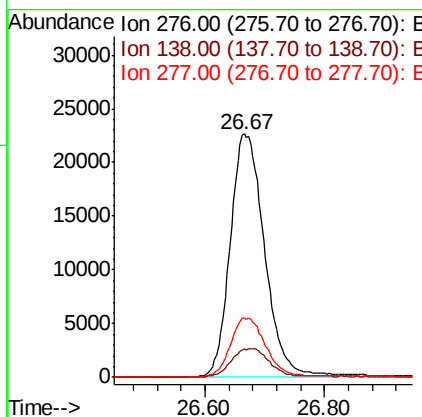
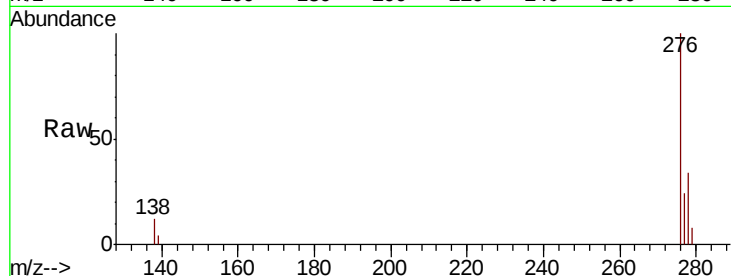




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.641 ng
 RT: 26.67 min Scan# 2980
 Delta R.T. -0.00 min
 Lab File: BE099586.D
 Acq: 9 May 2019 11:44

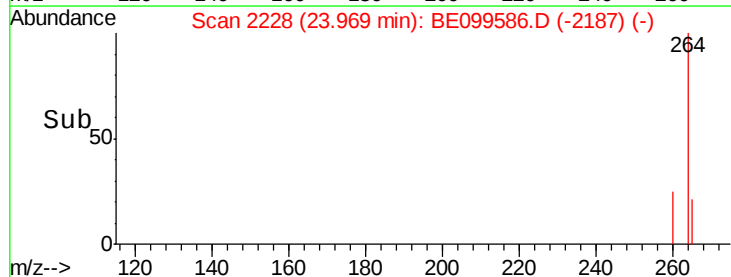
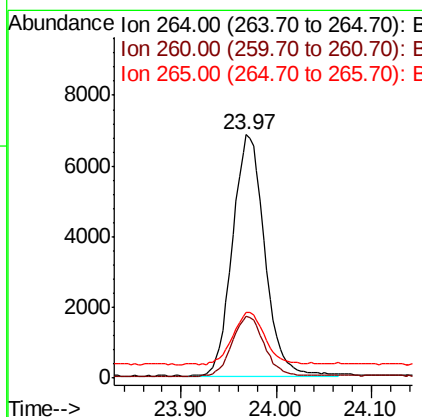
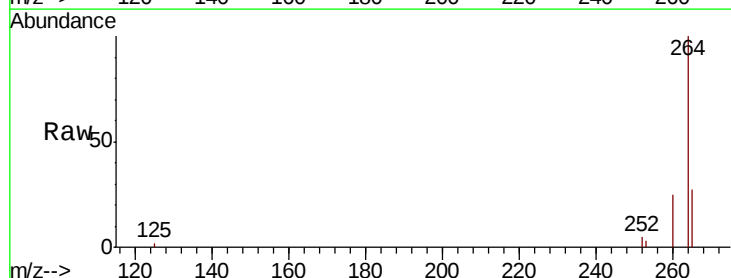
Instrument :
 BNA_E
 ClientSampleId :

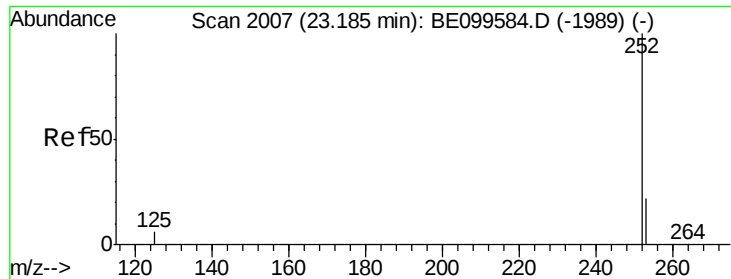
Tot Ion:276 Resp: 89627
 Ion Ratio Lower Upper
 276 100
 138 5.4 10.2 15.2#
 277 24.5 19.8 29.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.97 min Scan# 2228
 Delta R.T. -0.00 min
 Lab File: BE099586.D
 Acq: 9 May 2019 11:44

Tgt Ion:264 Resp: 16035
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.3 30.5
 265 27.0 20.9 31.3





#35

Benzo(b)fluoranthene

Concen: 1.631 ng

RT: 23.18 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

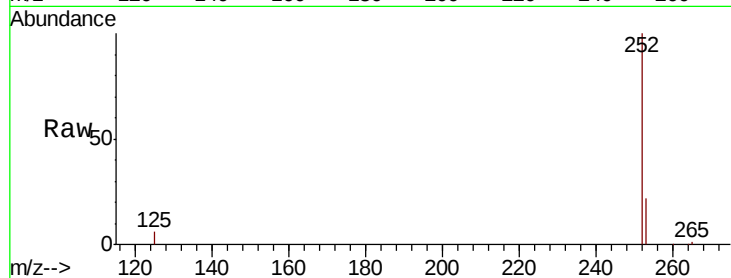
Tot Ion:252 Resp: 72133

Ion Ratio Lower Upper

252 100

253 22.1 18.6 28.0

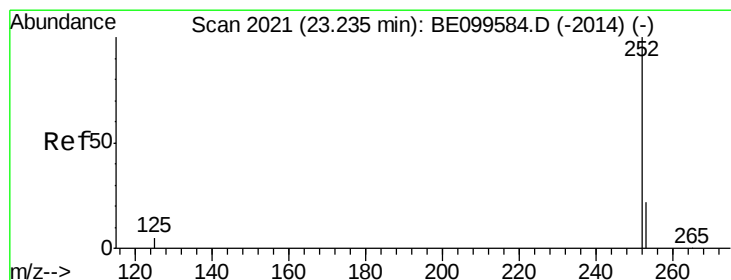
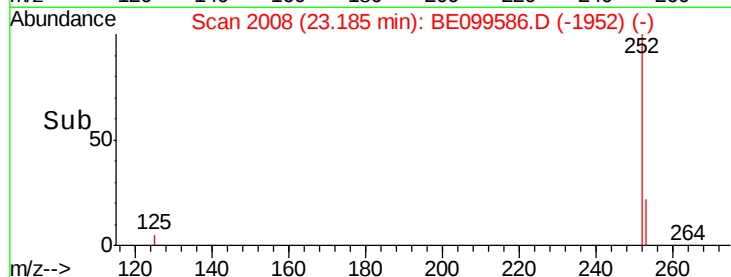
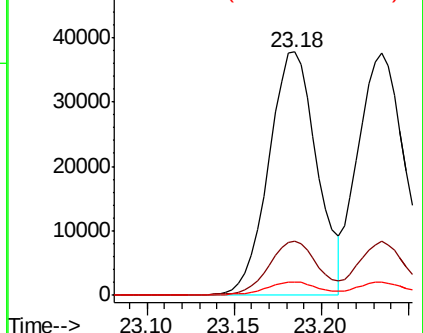
125 5.6 6.0 9.0#



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



#36

Benzo(k)fluoranthene

Concen: 1.640 ng

RT: 23.23 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

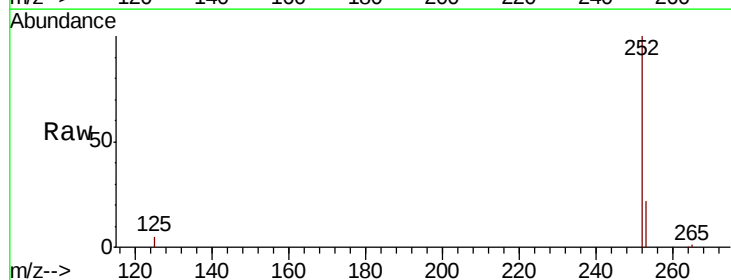
Tgt Ion:252 Resp: 71402

Ion Ratio Lower Upper

252 100

253 22.2 18.7 28.1

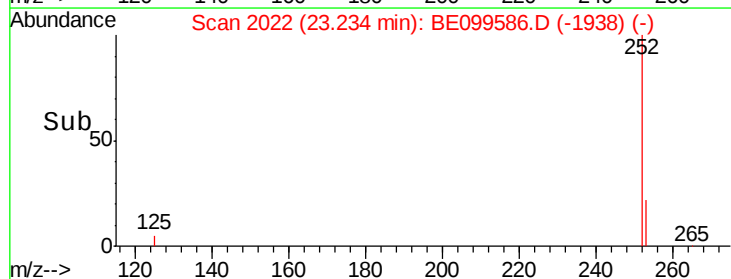
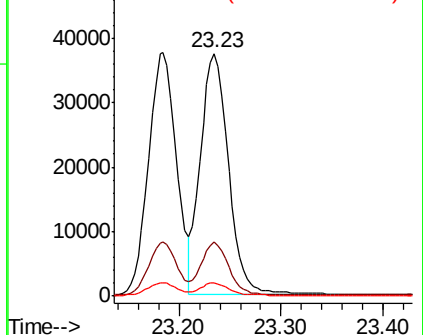
125 5.4 5.1 7.7

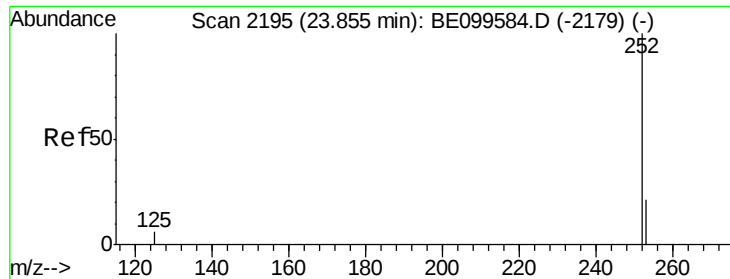


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.636 ng

RT: 23.85 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

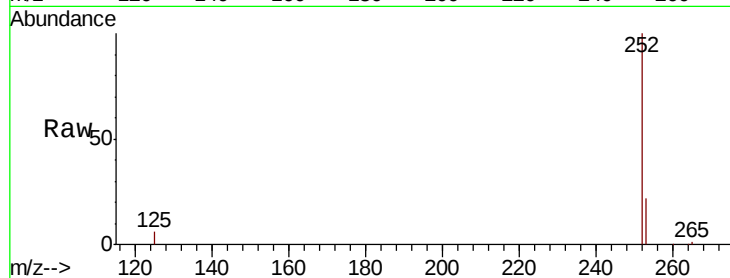
Tot Ion:252 Resp: 69778

Ion Ratio Lower Upper

252 100

253 21.7 18.6 27.8

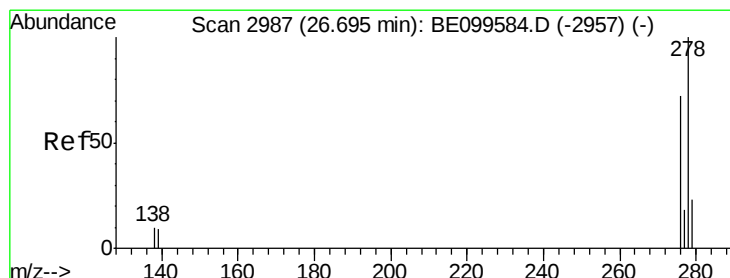
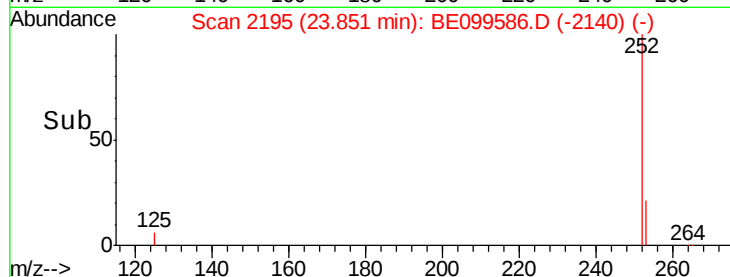
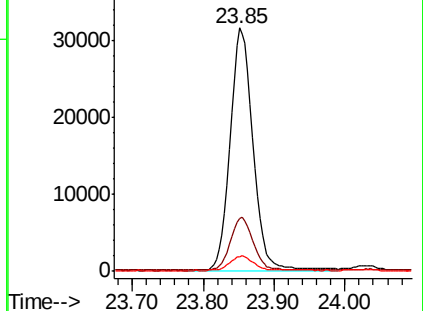
125 6.2 6.4 9.6#



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



#38

Dibenzo(a,h)anthracene

Concen: 1.669 ng

RT: 26.69 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

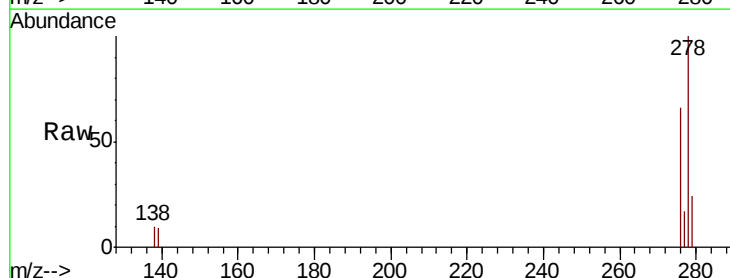
Tgt Ion:278 Resp: 73644

Ion Ratio Lower Upper

278 100

139 8.7 8.3 12.5

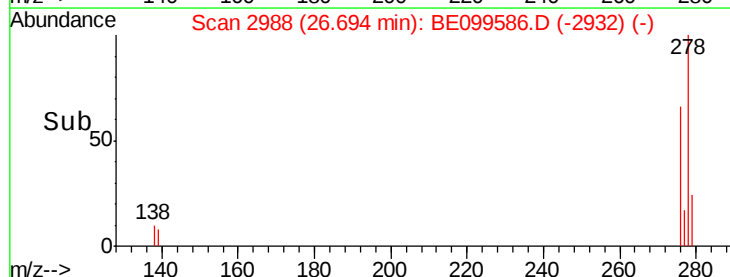
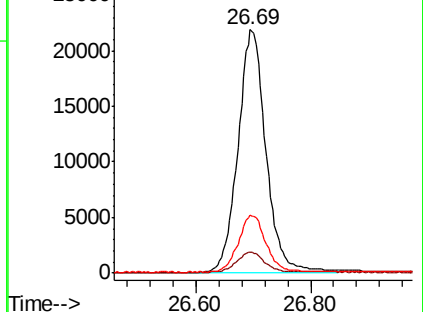
279 23.8 19.4 29.2

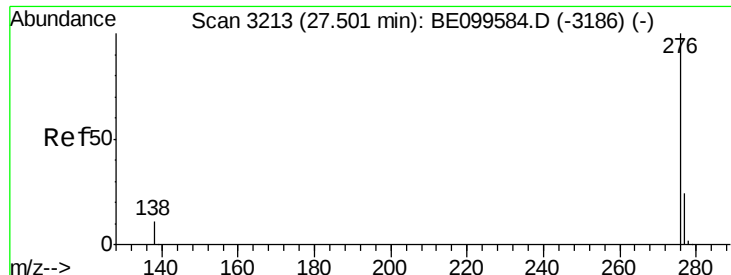


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.682 ng

RT: 27.50 min Scan# 3215

Delta R.T. 0.00 min

Lab File: BE099586.D

Acq: 9 May 2019 11:44

Instrument :

BNA_E

ClientSampleId :

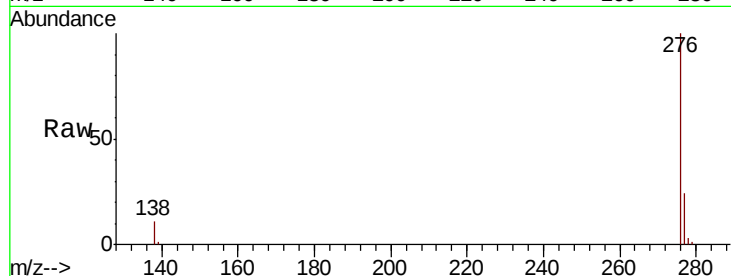
Tot Ion: 276 Resp: 74321

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.6

138 11.1 9.4 14.2



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

