

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050719\
 Data File : BE099566.D
 Acq On : 7 May 2019 15:27
 Operator : JU/SJ
 Sample : PB119482BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119482BS

Quant Time: May 07 16:03:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 07 14:10:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2028	0.40	ng	0.02
7) Naphthalene-d8	10.64	136	7031	0.40	ng	0.01
13) Acenaphthene-d10	14.50	164	4729	0.40	ng	0.00
19) Phenanthrene-d10	17.25	188	13644	0.40	ng	0.01
27) Chrysene-d12	21.43	240	19088	0.40	ng	0.00
34) Perylene-d12	23.99	264	22576	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	2119	0.38	ng	0.00
5) Phenol-d6	7.00	99	2884	0.39	ng	0.02
8) Nitrobenzene-d5	9.00	82	2438	0.36	ng	0.03
11) 2-Methylnaphthalene-d10	12.24	152	5847	0.48	ng	0.01
14) 2,4,6-Tribromophenol	16.00	330	1032	0.33	ng	0.01
15) 2-Fluorobiphenyl	13.13	172	6532	0.36	ng	0.01
25) Fluoranthene-d10	19.28	212	68888	0.37	ng	0.00
29) Terphenyl-d14	19.87	244	14969	0.42	ng	0.00

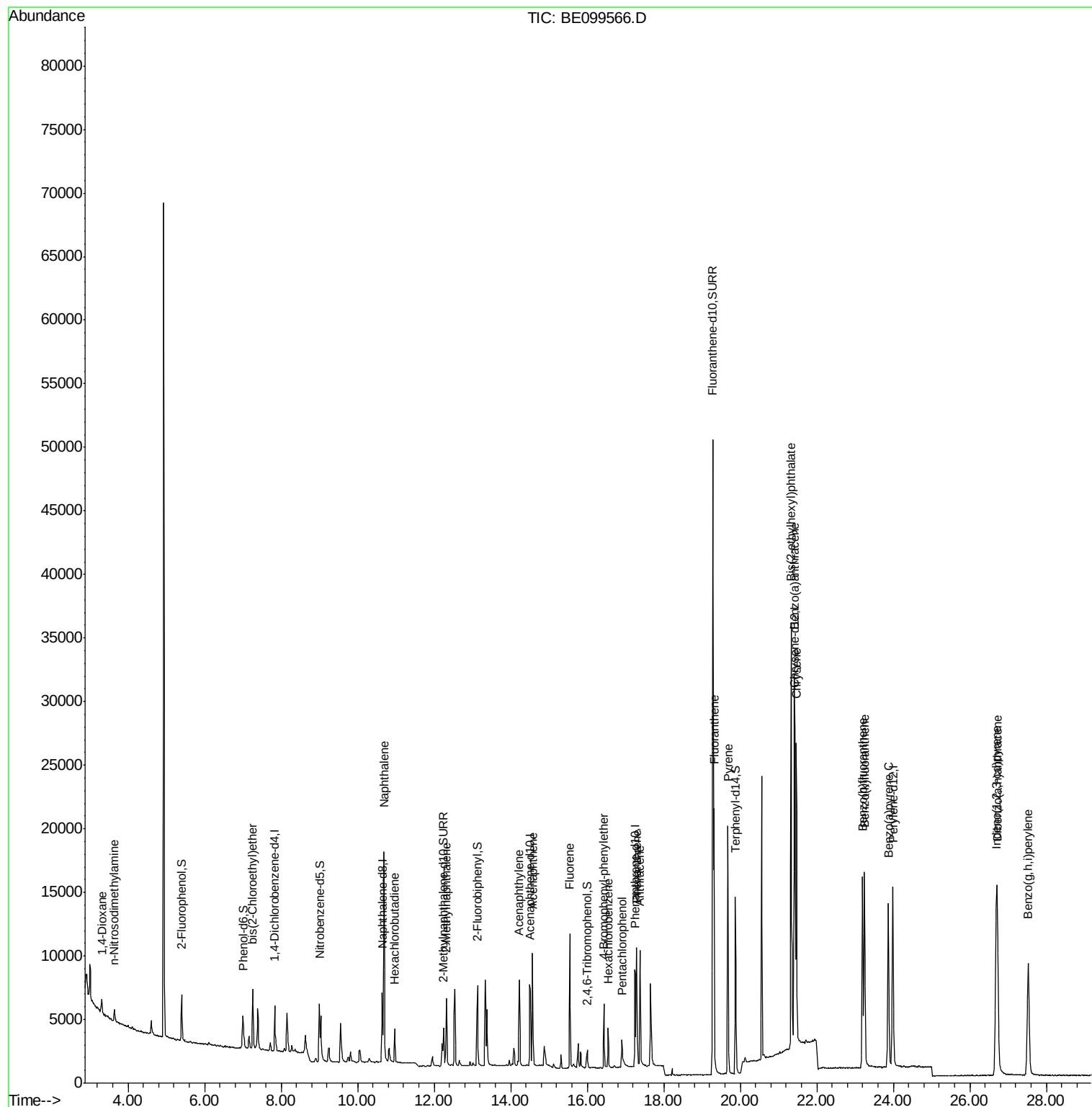
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	765	0.267	ng	# 27
3) n-Nitrosodimethylamine	3.64	42	695	0.367	ng	# 95
6) bis(2-Chloroethyl)ether	7.25	93	2139	0.347	ng	97
9) Naphthalene	10.69	128	26817	0.360	ng	100
10) Hexachlorobutadiene	10.96	225	1852	0.342	ng	97
12) 2-Methylnaphthalene	12.31	142	4537	0.359	ng	94
16) Acenaphthylene	14.23	152	7756	0.340	ng	99
17) Acenaphthene	14.57	154	4429	0.347	ng	97
18) Fluorene	15.54	166	6408	0.352	ng	99
20) 4-Bromophenyl-phenylether	16.44	248	2690	0.347	ng	# 82
21) Hexachlorobenzene	16.55	284	2689	0.349	ng	98
22) Pentachlorophenol	16.91	266	2018	0.636	ng	94
23) Phenanthrene	17.30	178	12062	0.359	ng	99
24) Anthracene	17.38	178	11386	0.352	ng	99
26) Fluoranthene	19.31	202	18738	0.362	ng	99
28) Pyrene	19.67	202	19564	0.383	ng	99
30) Benzo(a)anthracene	21.42	228	23369	0.395	ng	99
31) Chrysene	21.46	228	23219	0.398	ng	99
32) Bis(2-ethylhexyl)phthalate	21.33	149	36232	0.387	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	28169	0.406	ng	99
35) Benzo(b)fluoranthene	23.20	252	22667	0.364	ng	99
36) Benzo(k)fluoranthene	23.25	252	24406	0.398	ng	99
37) Benzo(a)pyrene	23.87	252	22968	0.382	ng	98
38) Dibenzo(a,h)anthracene	26.72	278	23185	0.373	ng	98
39) Benzo(g,h,i)perylene	27.53	276	23745	0.382	ng	100

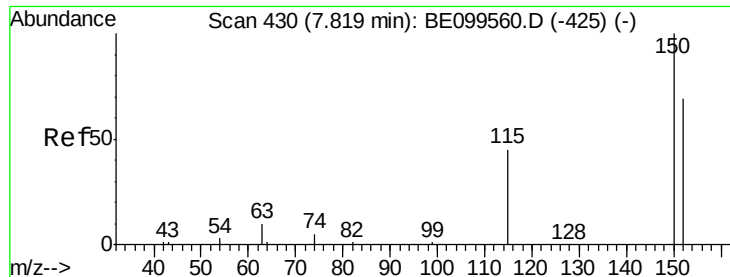
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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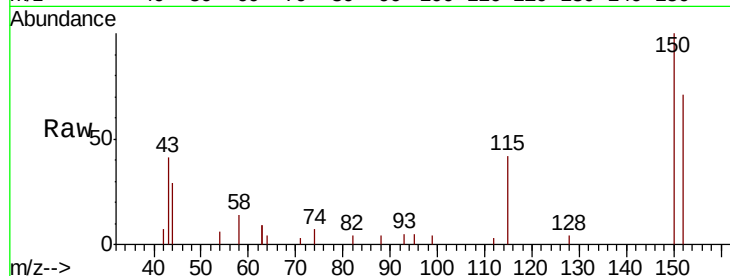


#1

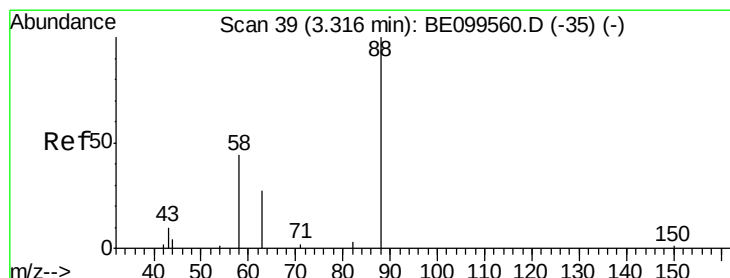
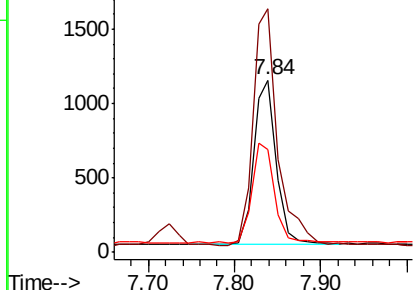
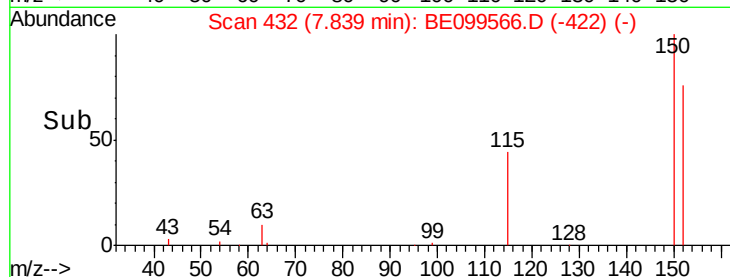
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.02 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tot Ion:152 Resp: 2028
Ion Ratio Lower Upper
152 100
150 141.3 113.8 170.6
115 59.9 54.2 81.2



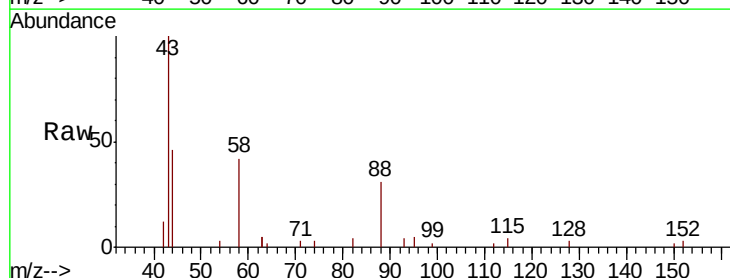
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



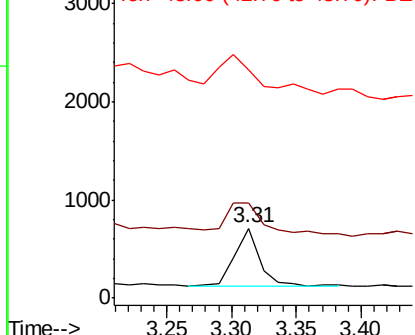
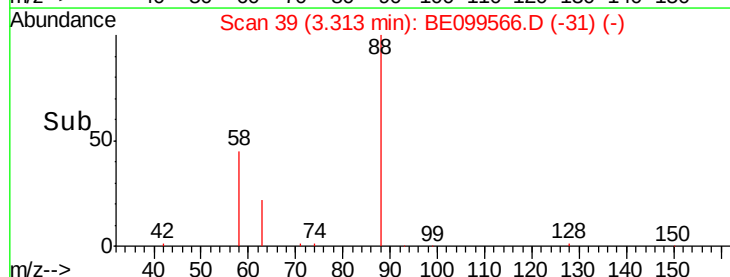
#2

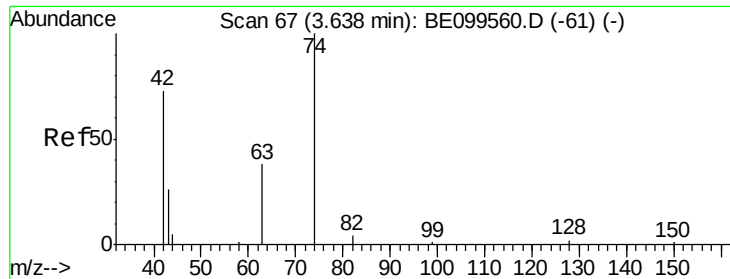
1,4-Dioxane
Concen: 0.267 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion: 88 Resp: 765
Ion Ratio Lower Upper
88 100
58 80.7 46.6 69.8#
43 111.9 20.3 30.5#



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



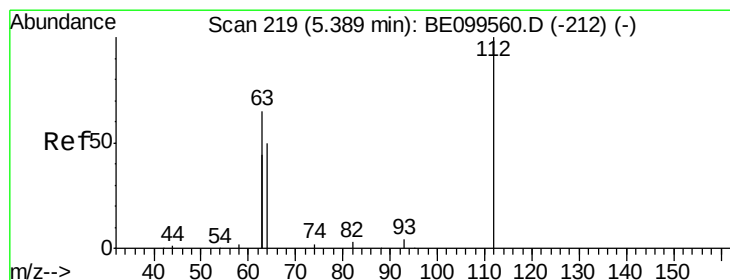
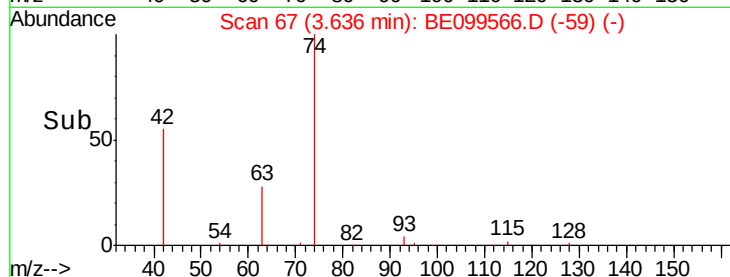
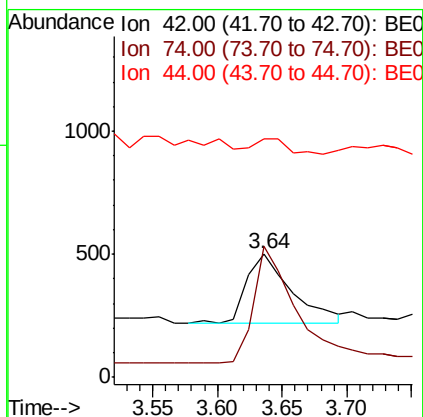
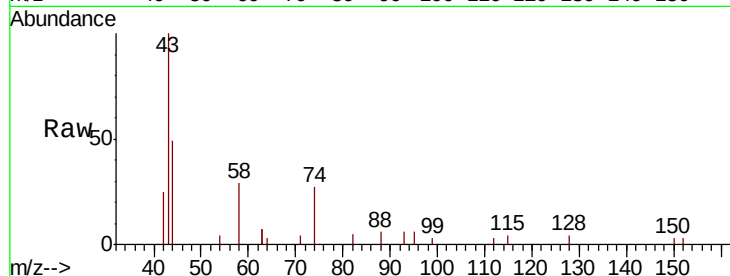


#3

n-Nitrosodimethylamine
 Concen: 0.367 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: BE099566.D
 Acq: 7 May 2019 15:27

Instrument :
 BNA_E
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 PB119482BS

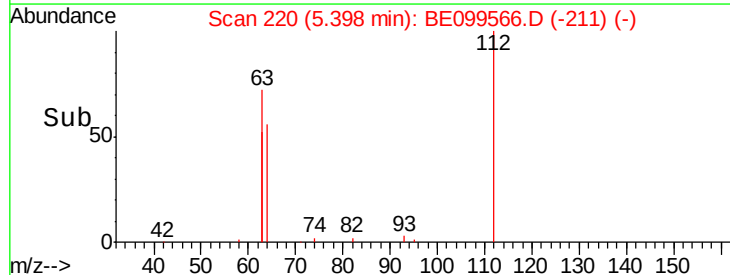
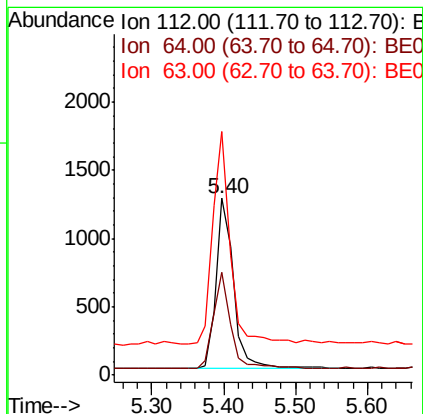
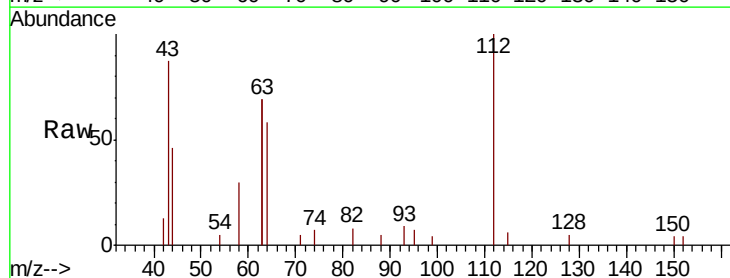
Tot Ion: 42 Resp: 695
 Ion Ratio Lower Upper
 42 100
 74 158.6 121.3 181.9
 44 14.8 0.0 0.0#

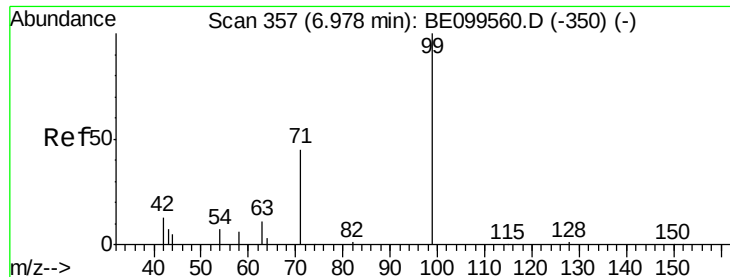


#4

2-Fluorophenol
 Concen: 0.377 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE099566.D
 Acq: 7 May 2019 15:27

Tgt Ion: 112 Resp: 2119
 Ion Ratio Lower Upper
 112 100
 64 55.7 46.3 69.5
 63 122.7 99.6 149.4





#5

Phenol-d6

Concen: 0.390 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.02 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

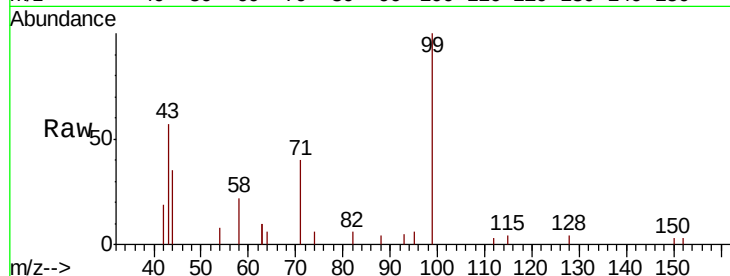
Tot Ion: 99 Resp: 2884

Ion Ratio Lower Upper

99 100

42 15.2 13.4 20.0

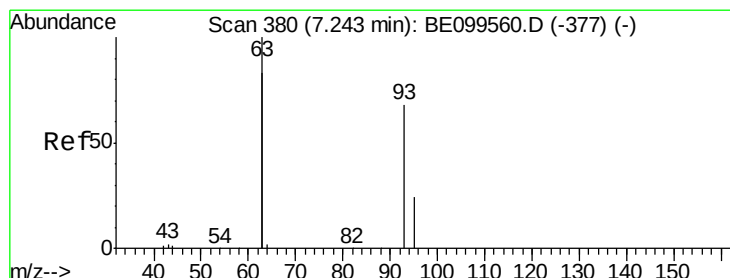
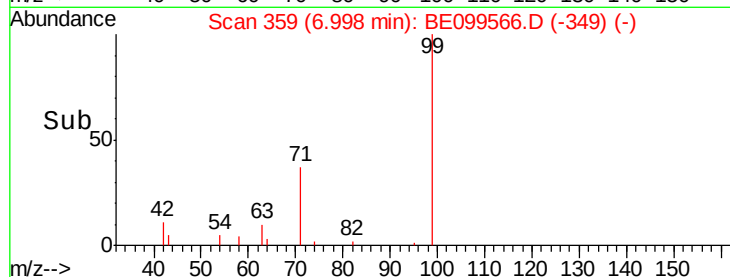
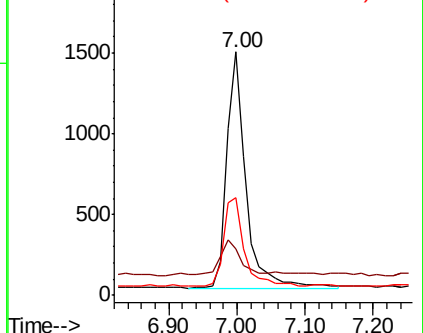
71 39.3 34.2 51.2



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: 0.347 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

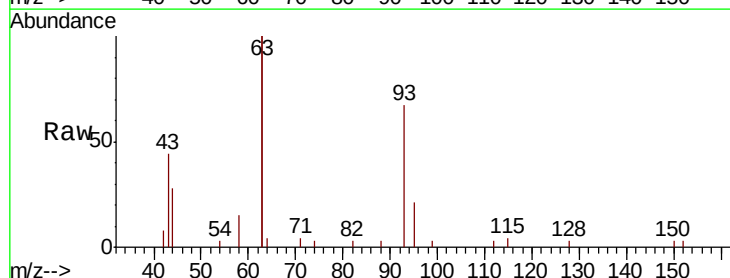
Tgt Ion: 93 Resp: 2139

Ion Ratio Lower Upper

93 100

63 255.8 209.0 313.4

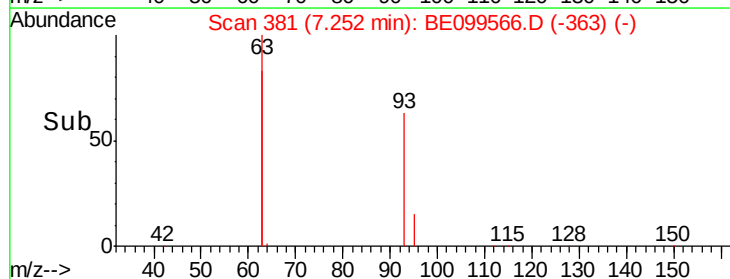
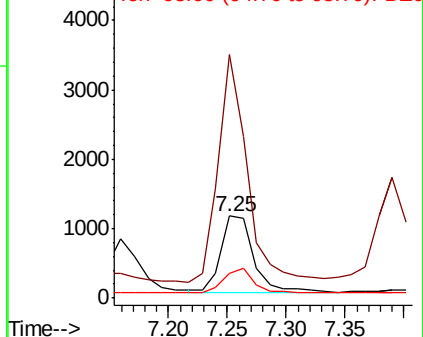
95 30.0 26.9 40.3

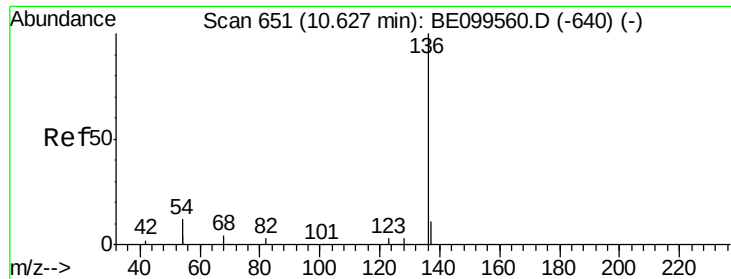


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

Tot Ion:136 Resp: 7031

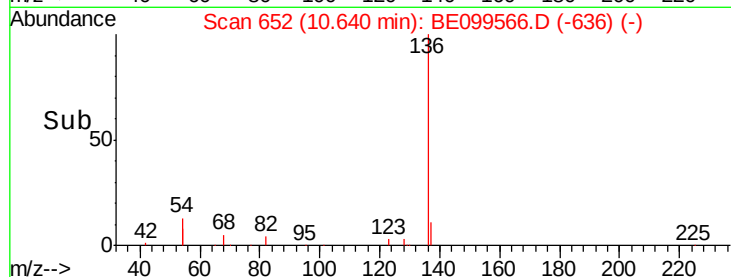
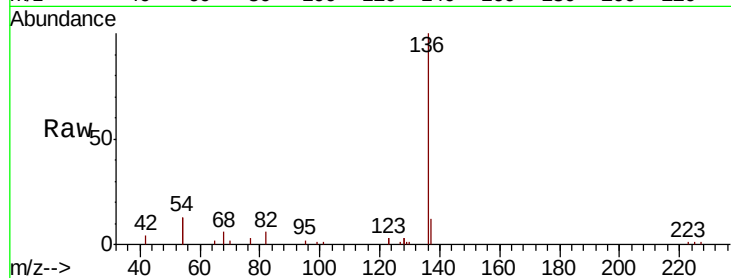
Ion Ratio Lower Upper

136 100

137 11.6 10.0 15.0

54 26.0 18.6 28.0

68 6.1 4.6 6.8

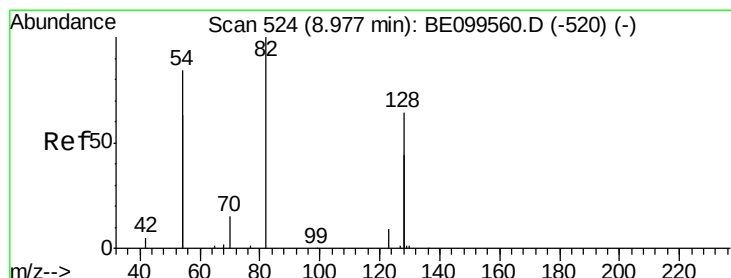
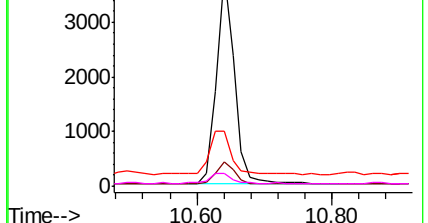


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.360 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.03 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

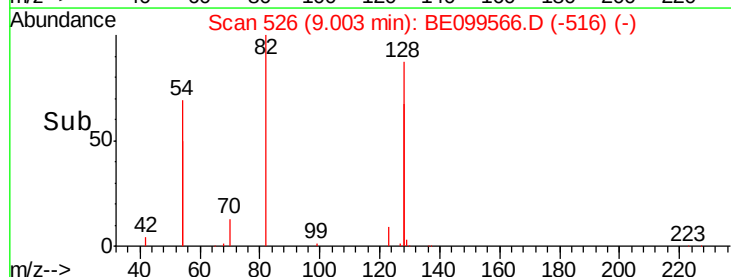
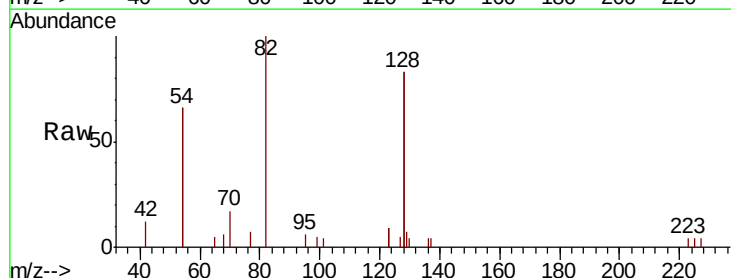
Tgt Ion: 82 Resp: 2438

Ion Ratio Lower Upper

82 100

128 165.3 97.6 146.4#

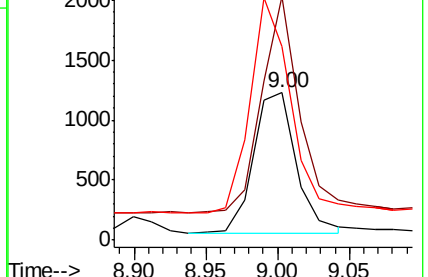
54 131.4 127.4 191.2

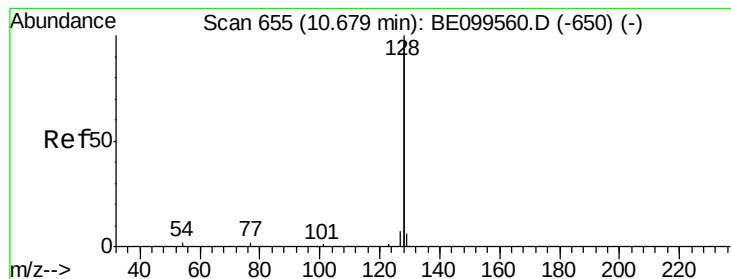


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.360 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.01 min

Lab File: BE099566.D

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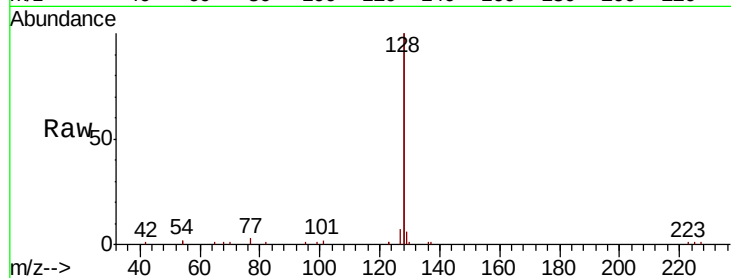
Tot Ion:128 Resp: 26817

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

127 3.6 3.0 4.4

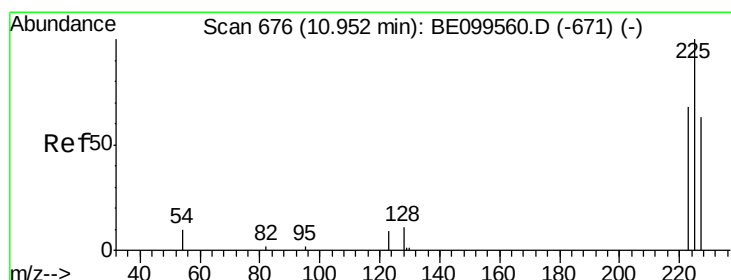
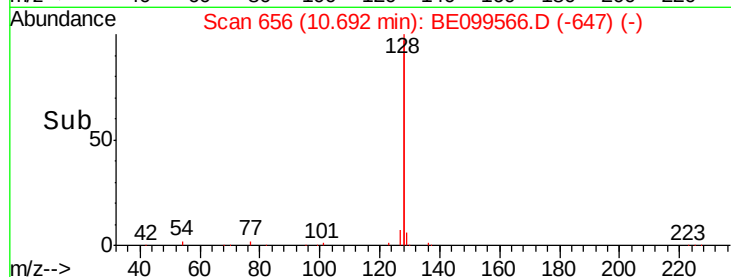
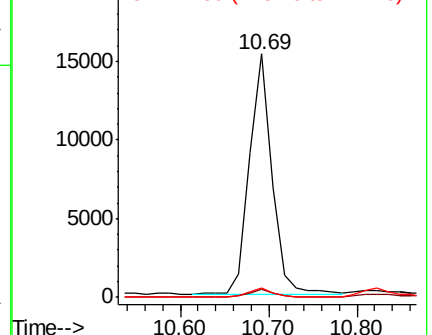


Abundance

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: 0.342 ng

RT: 10.96 min Scan# 677

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

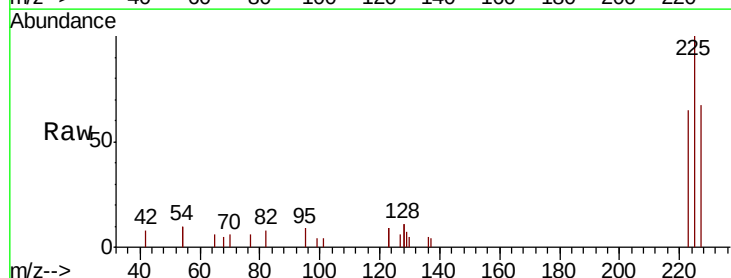
Tgt Ion:225 Resp: 1852

Ion Ratio Lower Upper

225 100

223 62.3 53.0 79.6

227 64.0 51.4 77.0

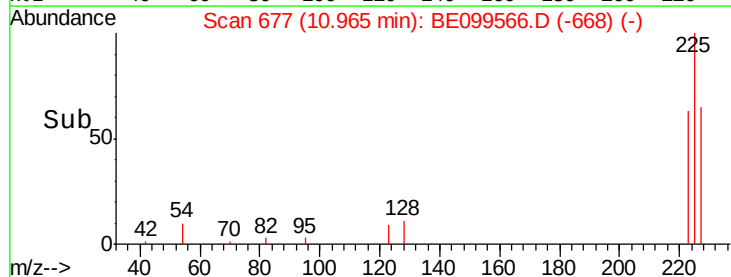
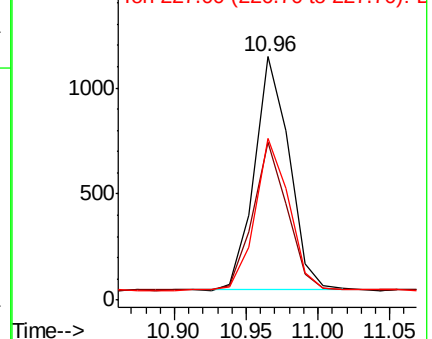


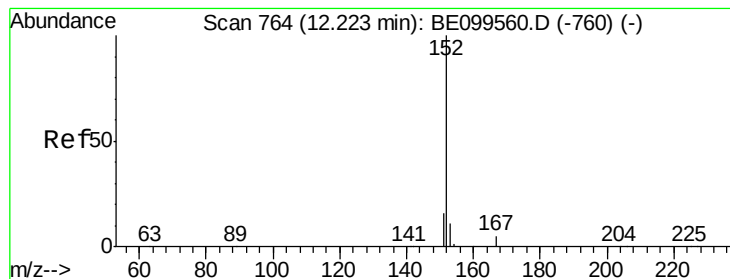
Abundance

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: 0.477 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

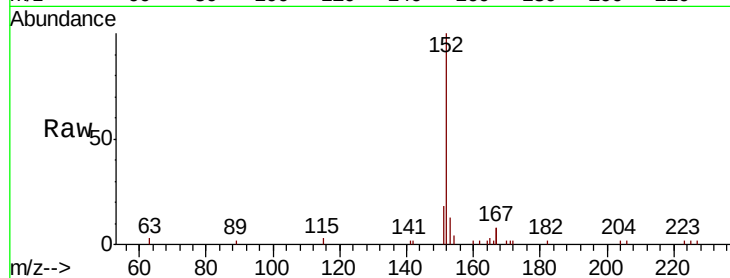
PB119482BS

Tot Ion:152 Resp: 5847

Ion Ratio Lower Upper

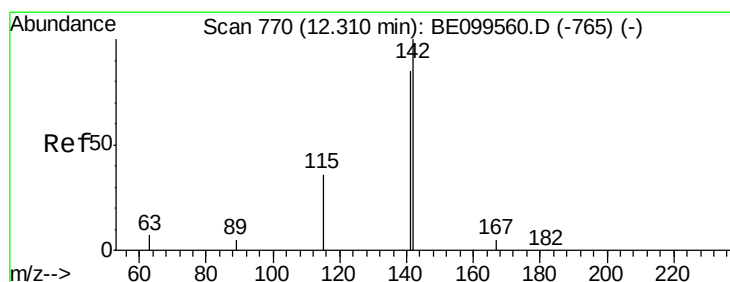
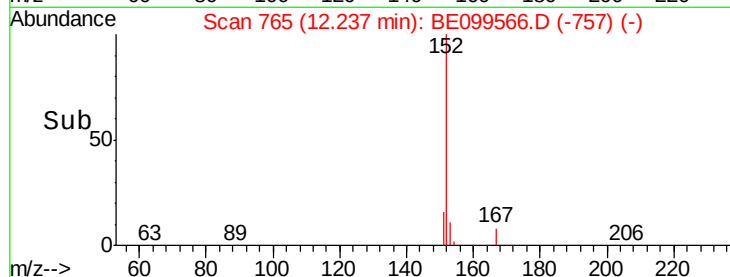
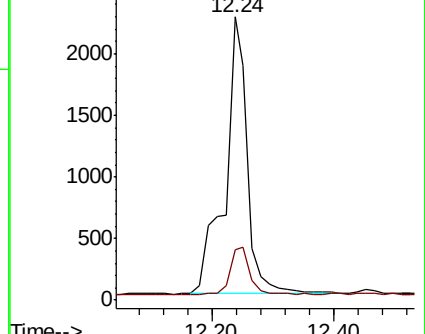
152 100

151 14.8 15.8 23.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.359 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

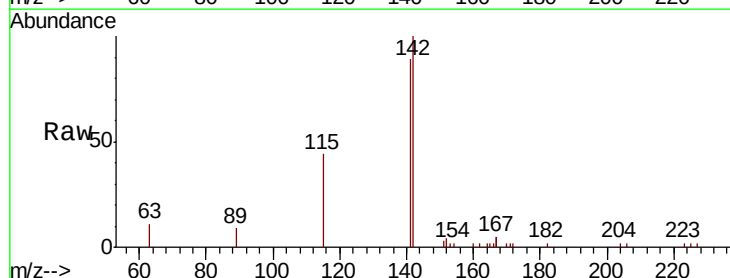
Tgt Ion:142 Resp: 4537

Ion Ratio Lower Upper

142 100

141 89.2 68.1 102.1

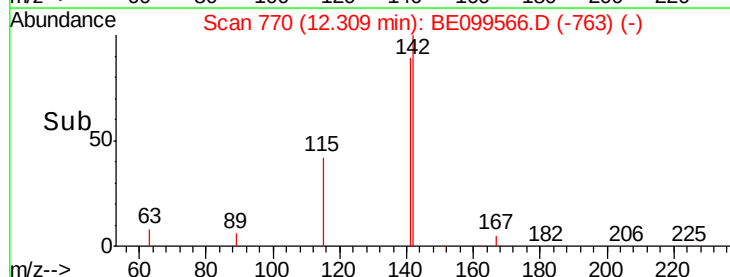
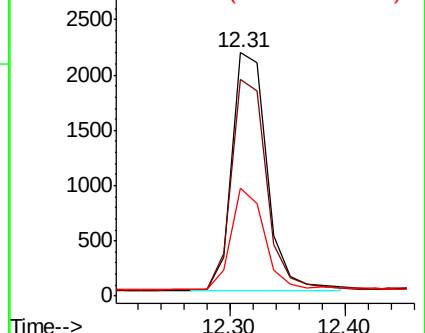
115 44.1 30.8 46.2

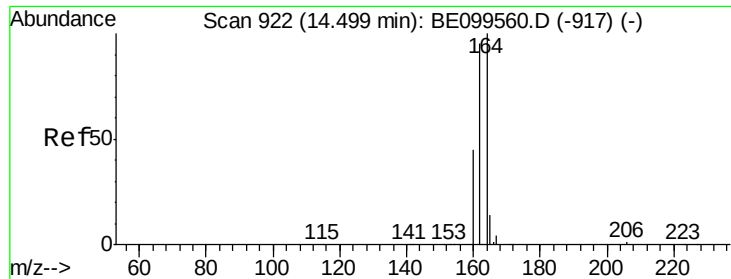


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

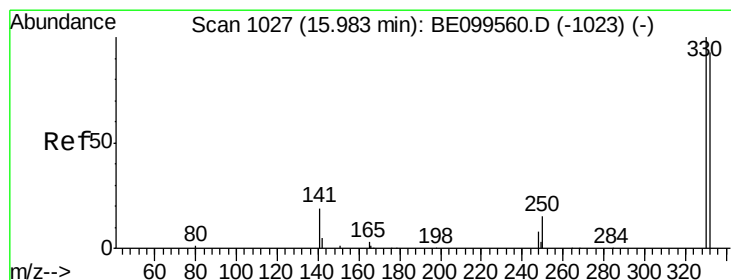
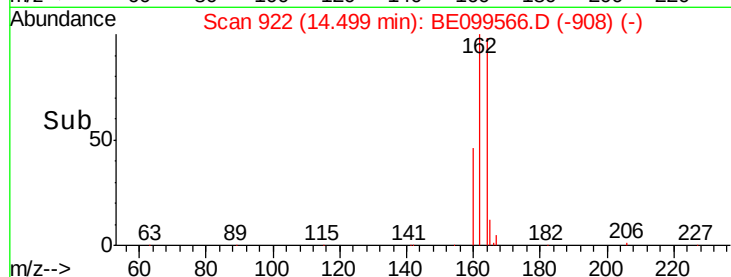
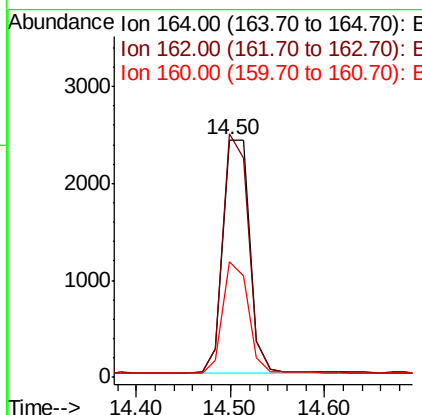
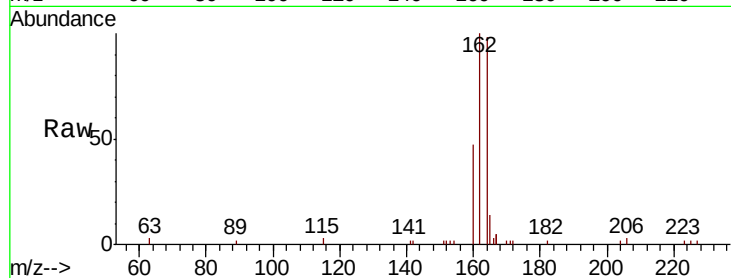




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.50 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: BE099566.D
 Acq: 7 May 2019 15:27

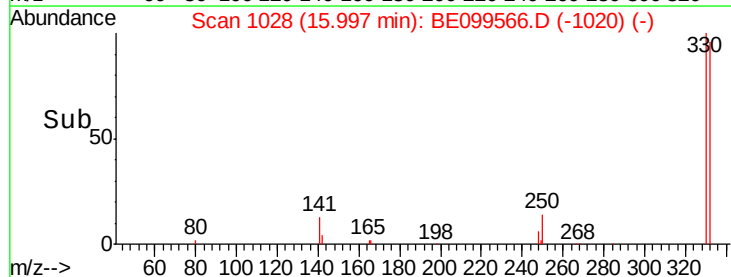
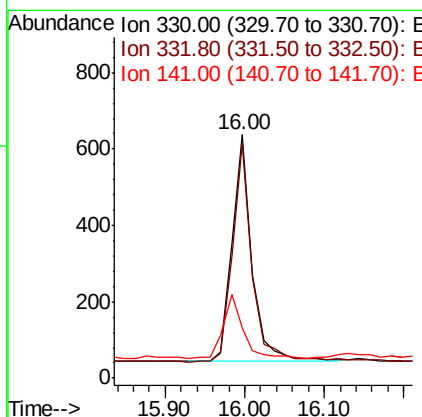
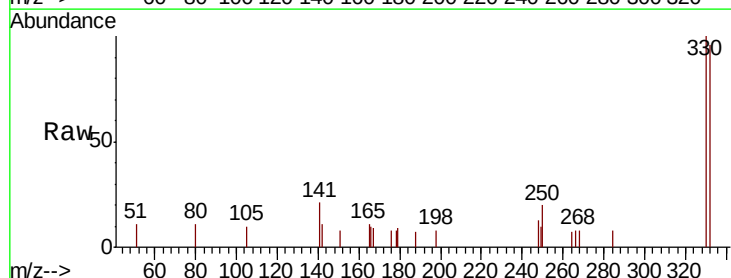
Instrument :
 BNA_E
 ClientSampleId :
 PB119482BS

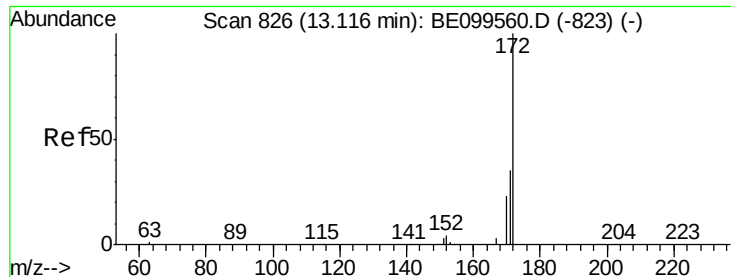
Tot Ion:164 Resp: 4729
 Ion Ratio Lower Upper
 164 100
 162 102.4 76.4 114.6
 160 48.5 36.6 55.0



#14
 2,4,6-Tribromophenol
 Concen: 0.328 ng
 RT: 16.00 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BE099566.D
 Acq: 7 May 2019 15:27

Tgt Ion:330 Resp: 1032
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.7 116.5
 141 28.0 26.1 39.1

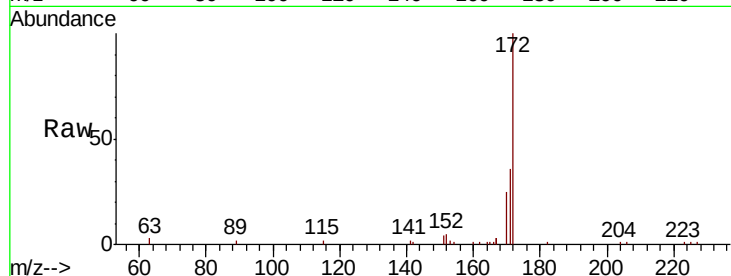




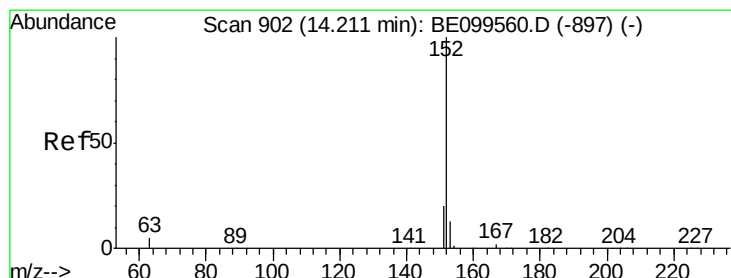
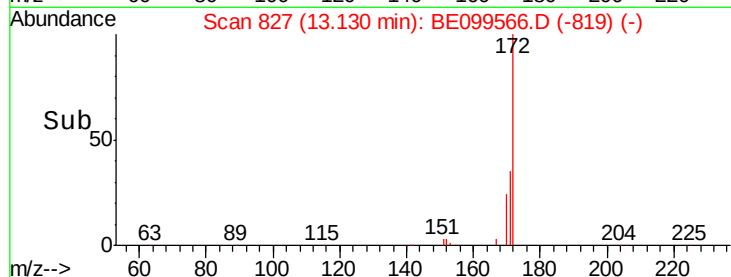
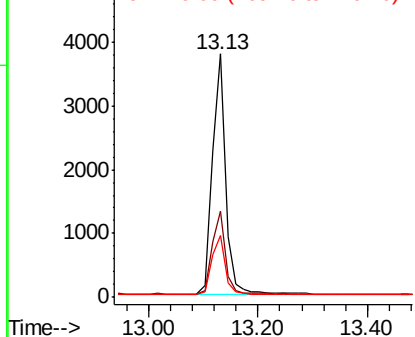
#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tot Ion:172 Resp: 6532
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 25.2 18.8 28.2

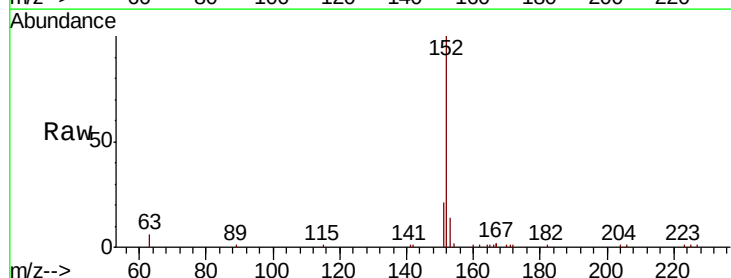


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

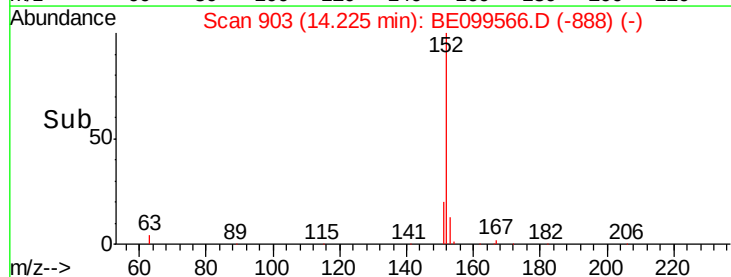
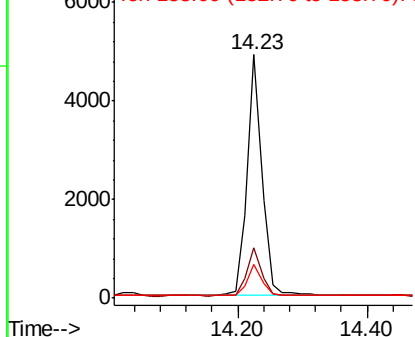


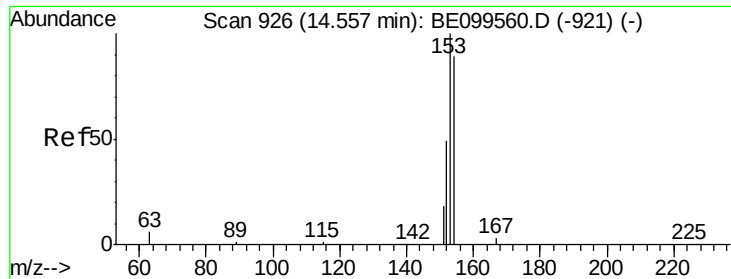
#16
Acenaphthylene
Concen: 0.340 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:152 Resp: 7756
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 12.6 10.5 15.7



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

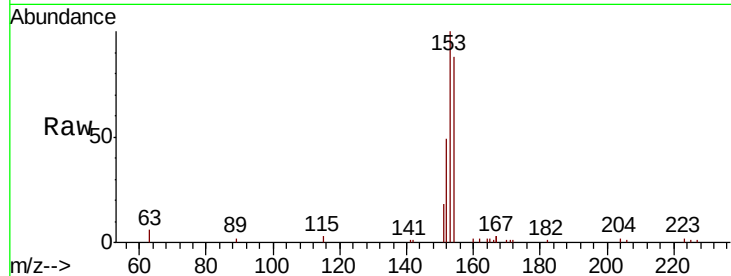




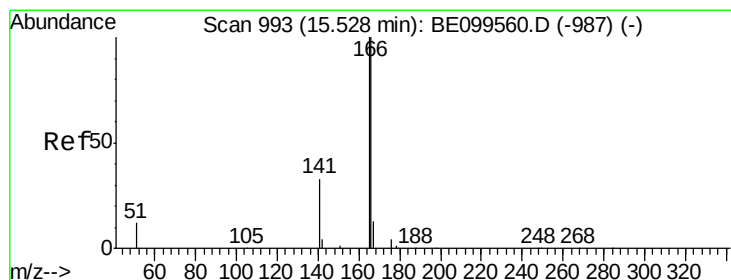
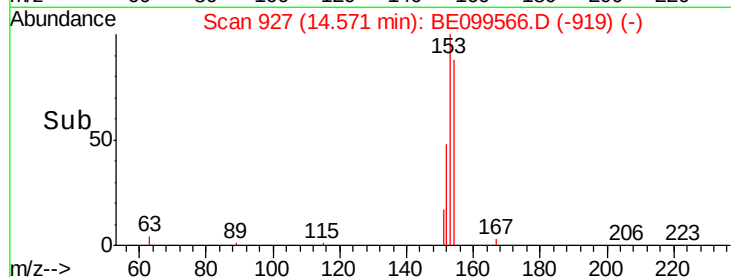
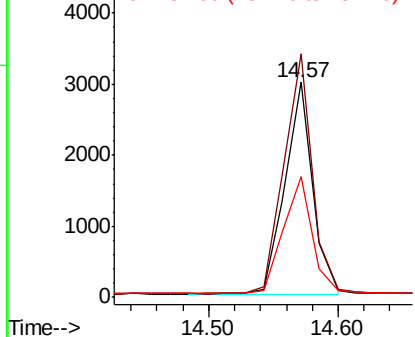
#17
Acenaphthene
Concen: 0.347 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tot Ion:154 Resp: 4429
Ion Ratio Lower Upper
154 100
153 115.7 89.7 134.5
152 56.6 43.9 65.9

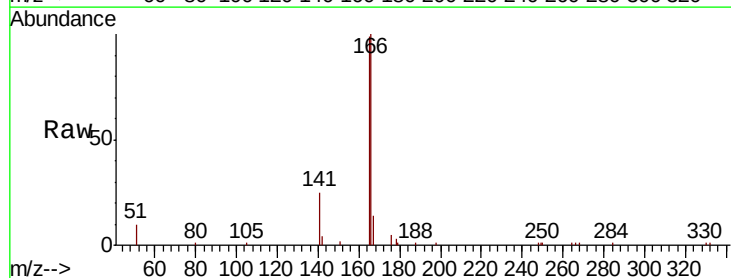


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

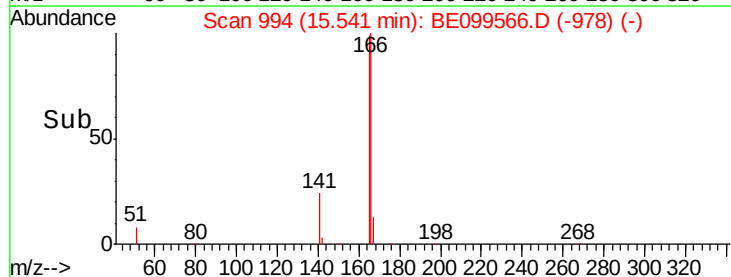
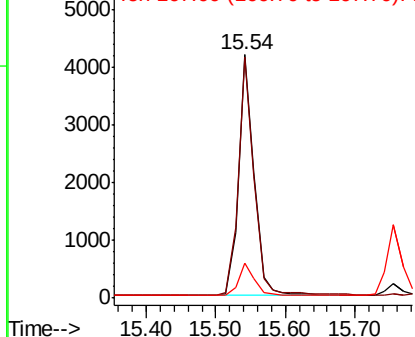


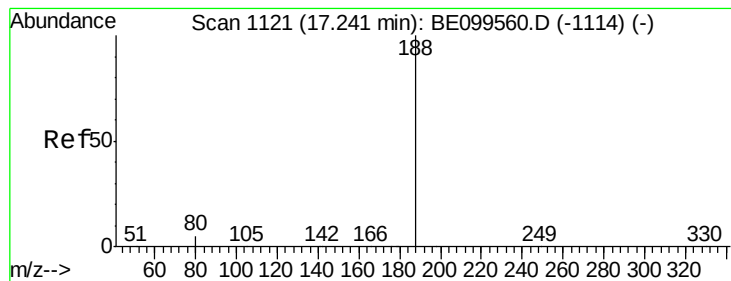
#18
Fluorene
Concen: 0.352 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:166 Resp: 6408
Ion Ratio Lower Upper
166 100
165 99.7 79.0 118.6
167 13.2 11.5 17.3



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: 17.25 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

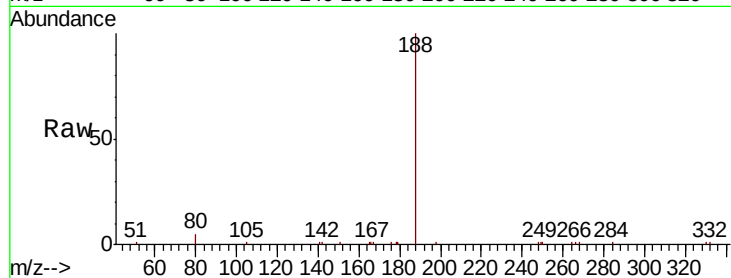
Tot Ion:188 Resp: 13644

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

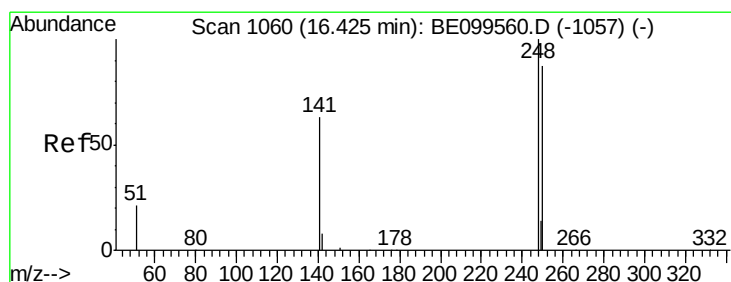
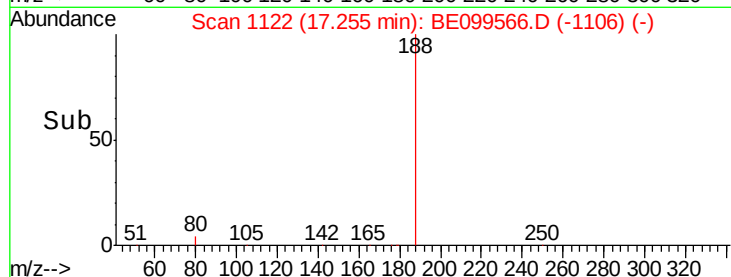
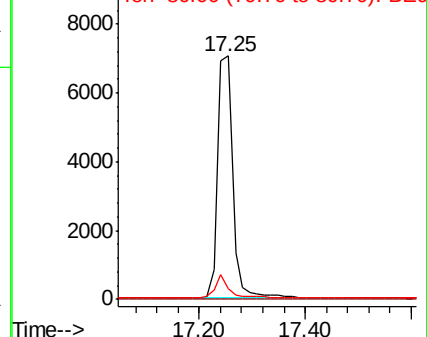
80 4.6 4.6 7.0#



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: 0.347 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

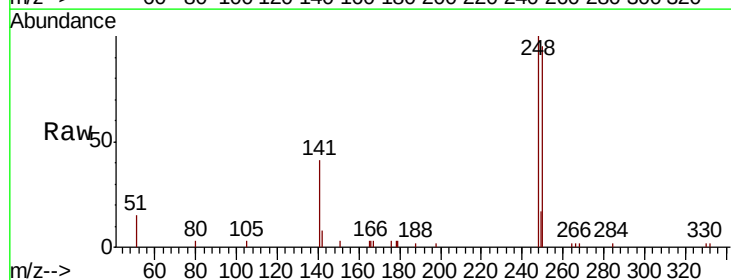
Tgt Ion:248 Resp: 2690

Ion Ratio Lower Upper

248 100

250 95.3 70.0 105.0

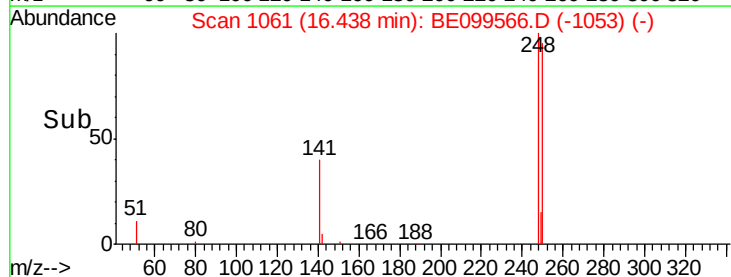
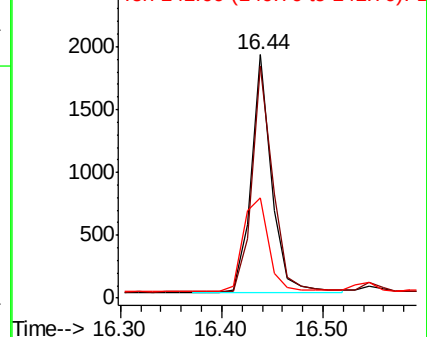
141 41.3 51.8 77.8#

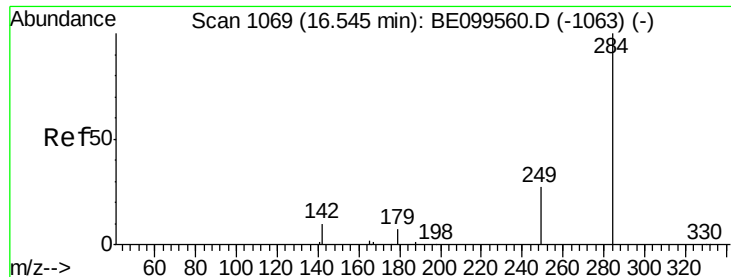


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.349 ng

RT: 16.55 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

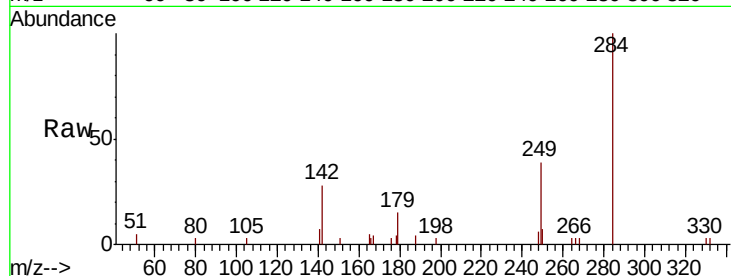
Tot Ion:284 Resp: 2689

Ion Ratio Lower Upper

284 100

142 26.0 19.5 29.3

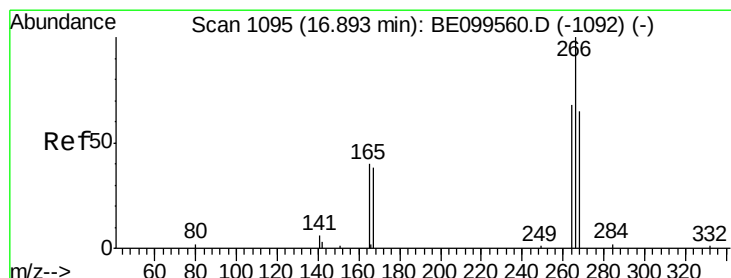
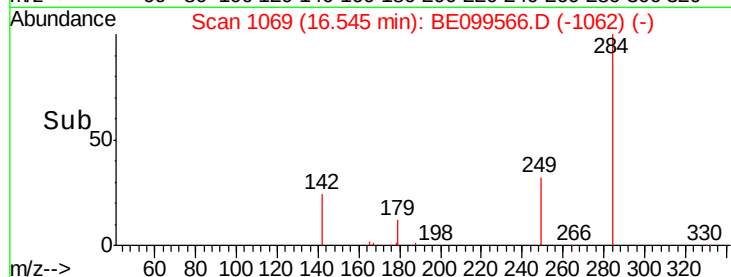
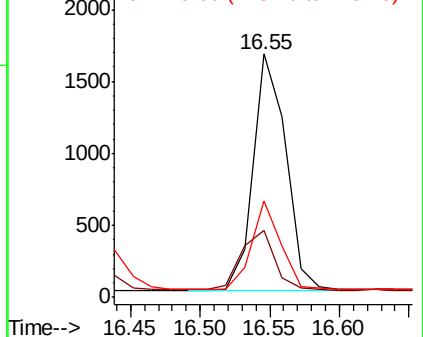
249 33.0 26.2 39.2



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: 0.636 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

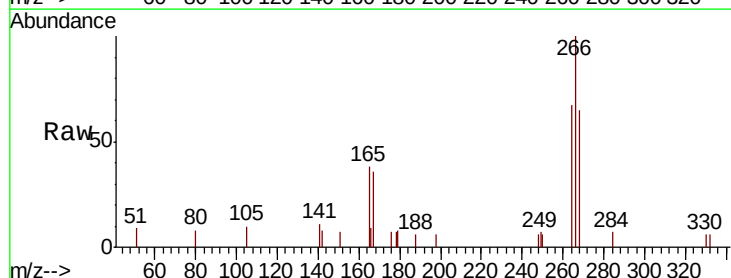
Tgt Ion:266 Resp: 2018

Ion Ratio Lower Upper

266 100

264 66.6 56.6 84.8

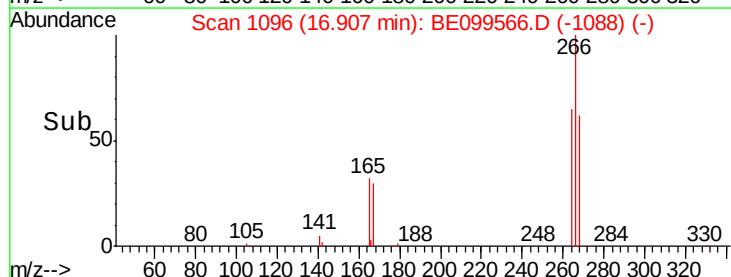
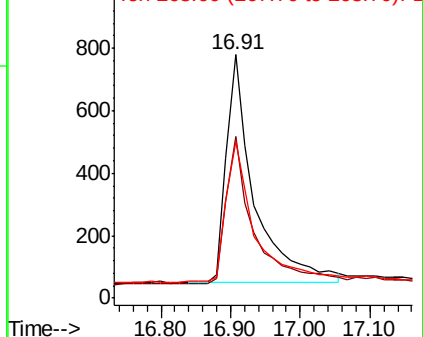
268 64.6 55.8 83.8

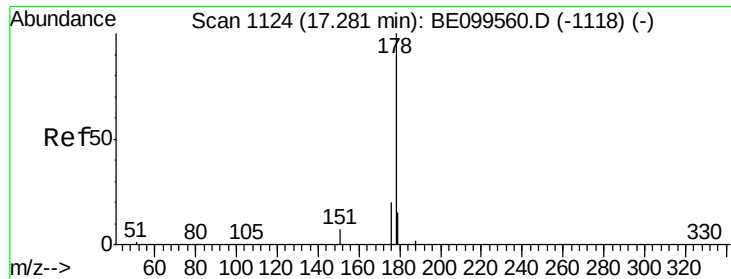


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.359 ng

RT: 17.30 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

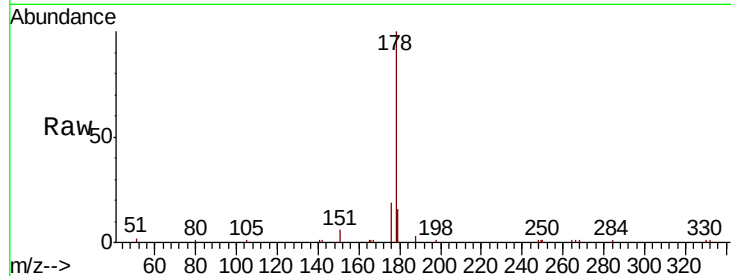
Tot Ion:178 Resp: 12062

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

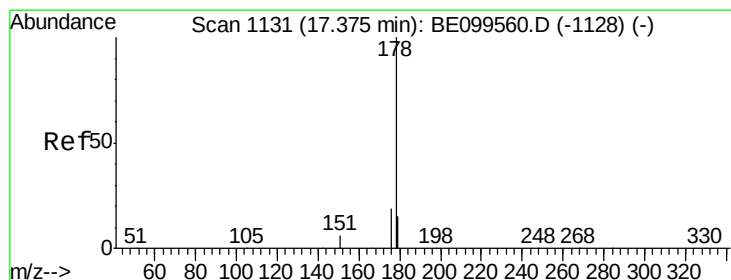
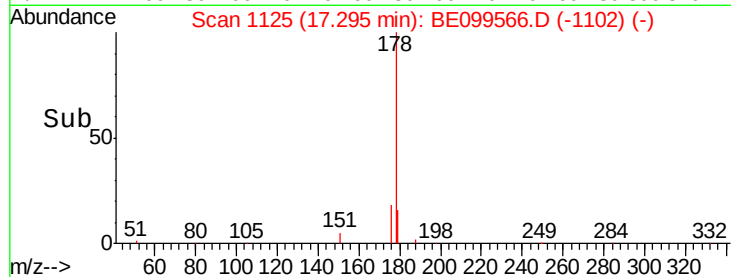
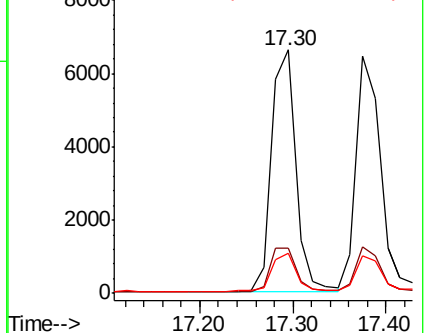
179 15.8 12.5 18.7



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: 0.352 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

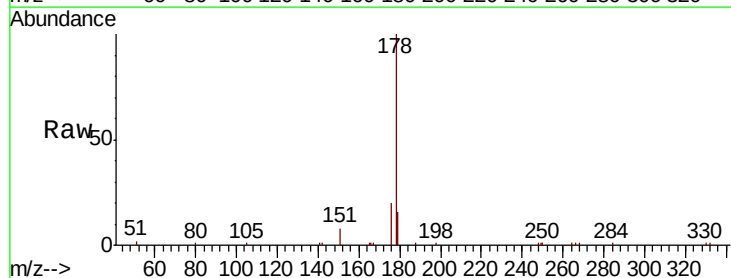
Tgt Ion:178 Resp: 11386

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

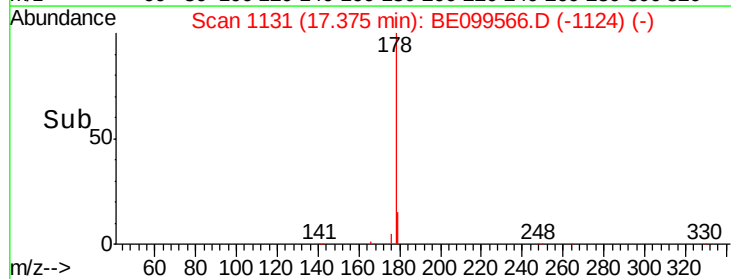
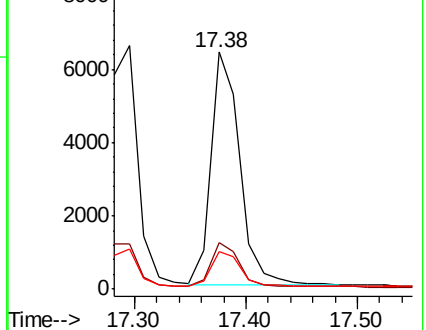
179 15.4 12.2 18.4

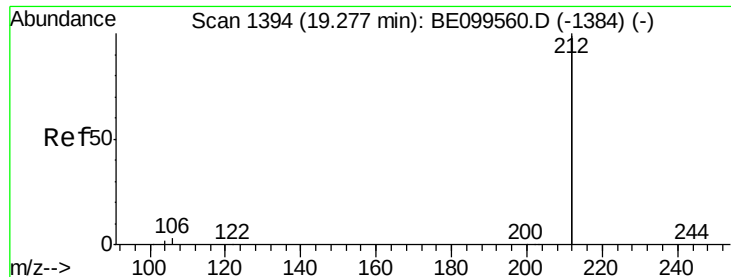


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

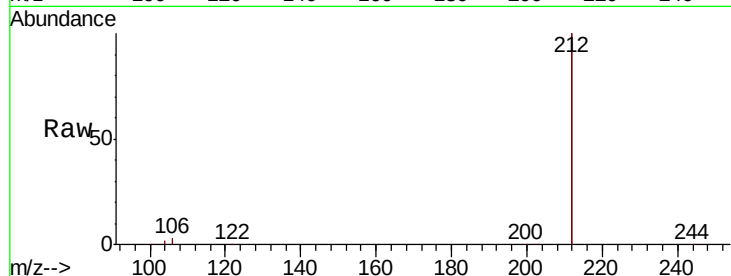
Tot Ion:212 Resp: 68888

Ion Ratio Lower Upper

212 100

106 1.7 1.4 2.0

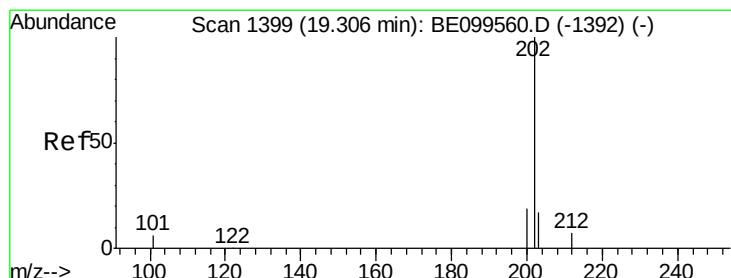
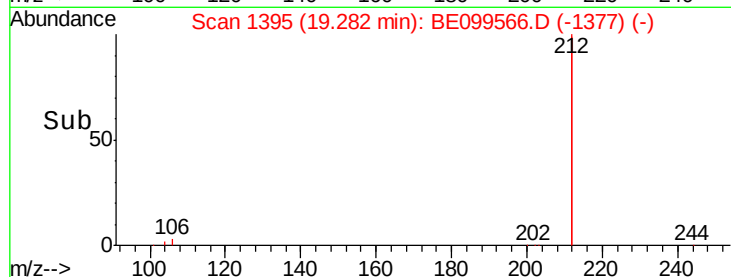
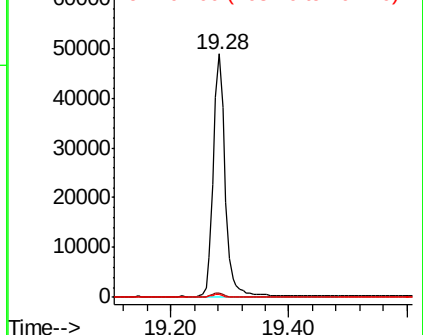
104 1.0 0.8 1.2



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: 0.362 ng

RT: 19.31 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

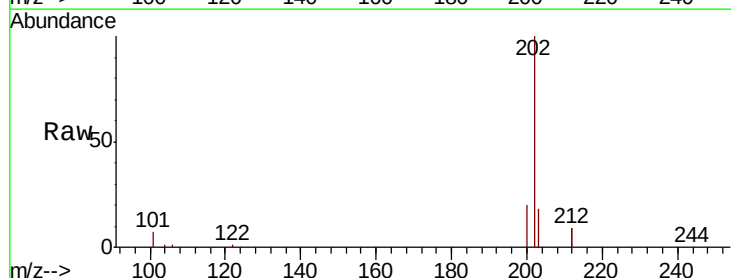
Tgt Ion:202 Resp: 18738

Ion Ratio Lower Upper

202 100

101 6.4 5.3 7.9

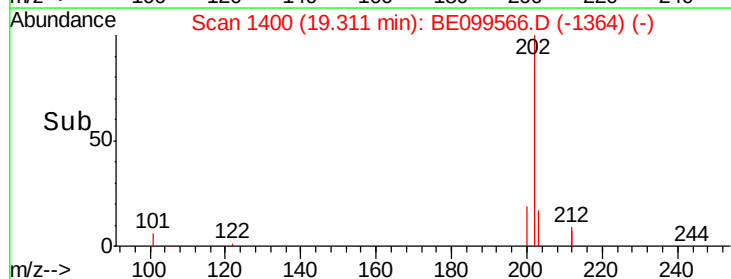
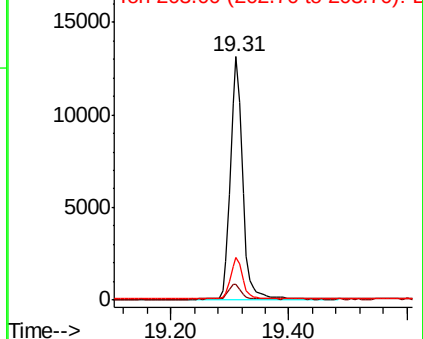
203 17.1 13.4 20.2

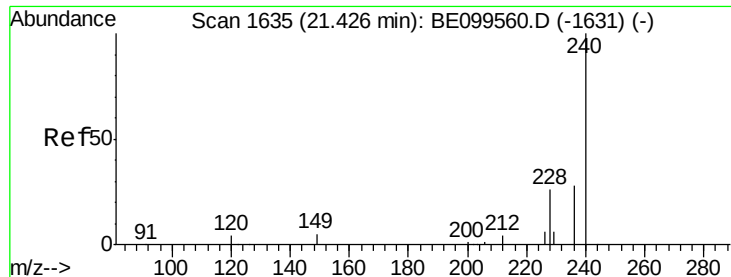


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

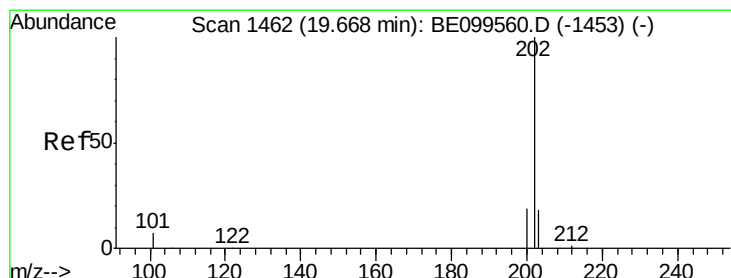
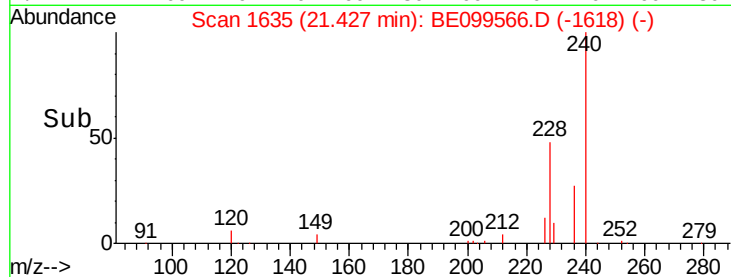
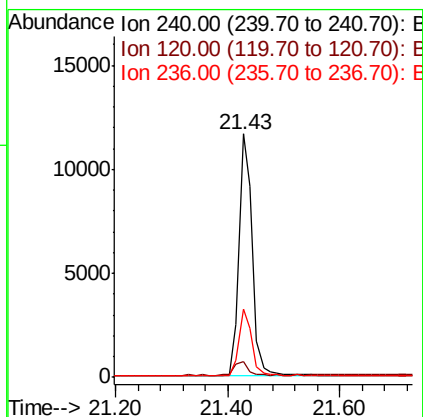
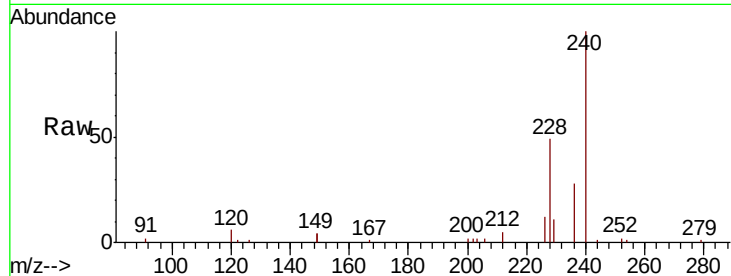




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: BE099566.D
 Acq: 7 May 2019 15:27

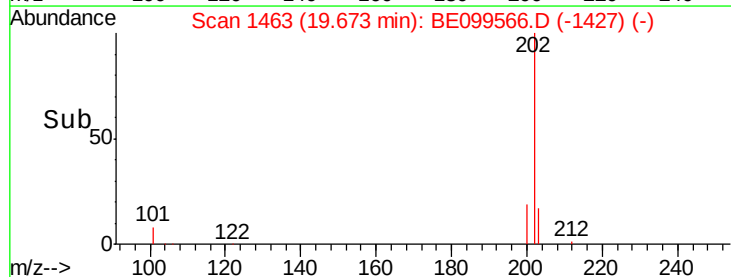
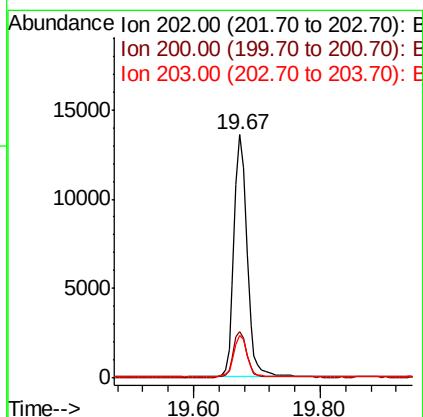
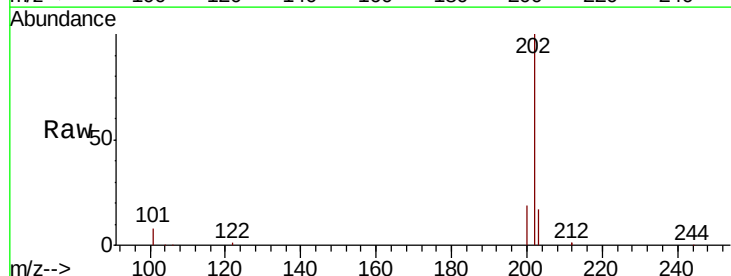
Instrument :
 BNA_E
 ClientSampleId :
 PB119482BS

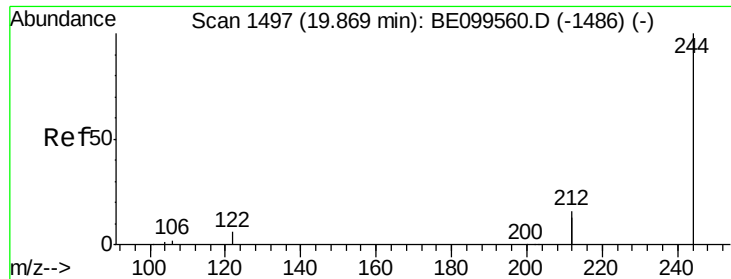
Tot Ion:240 Resp: 19088
 Ion Ratio Lower Upper
 240 100
 120 6.5 3.8 5.6#
 236 28.0 22.5 33.7



#28
 Pyrene
 Concen: 0.383 ng
 RT: 19.67 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: BE099566.D
 Acq: 7 May 2019 15:27

Tgt Ion:202 Resp: 19564
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.8 23.6
 203 17.9 14.1 21.1





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 19.87 min Scan# 1498

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

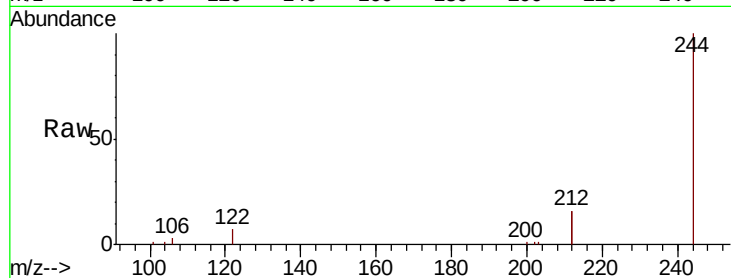
Tot Ion:244 Resp: 14969

Ion Ratio Lower Upper

244 100

212 31.2 24.6 37.0

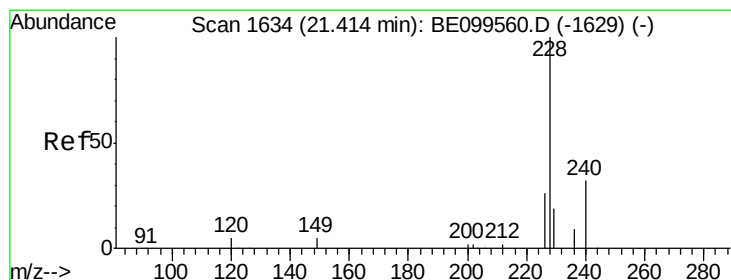
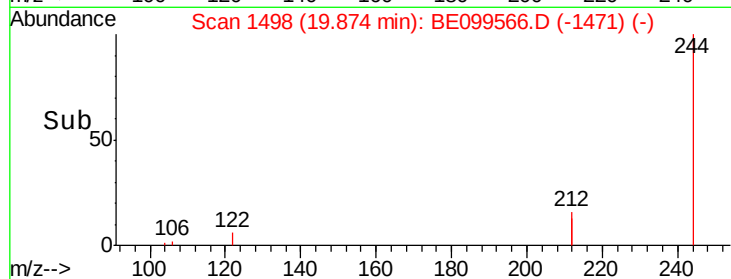
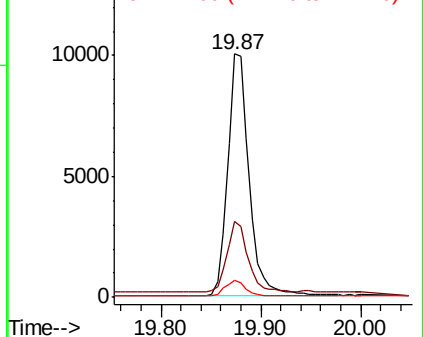
122 6.8 5.0 7.6



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: 0.395 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

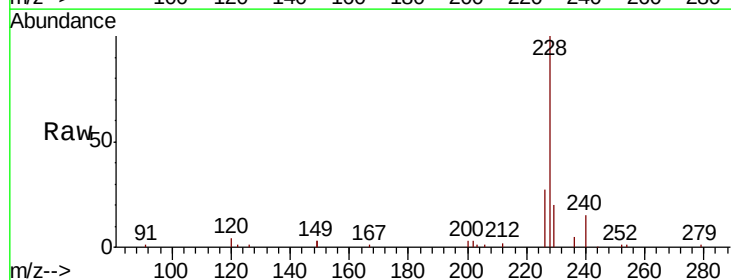
Tgt Ion:228 Resp: 23369

Ion Ratio Lower Upper

228 100

226 26.7 20.9 31.3

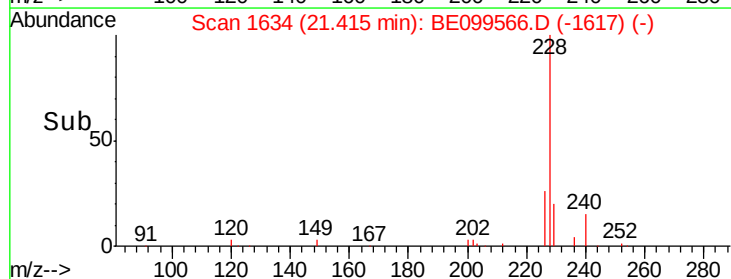
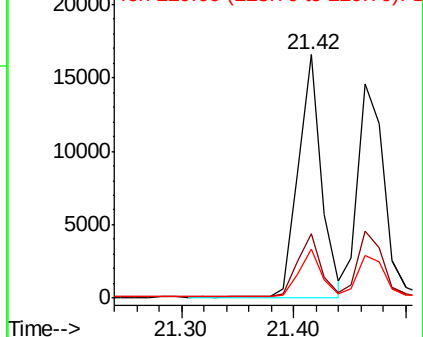
229 20.2 16.1 24.1

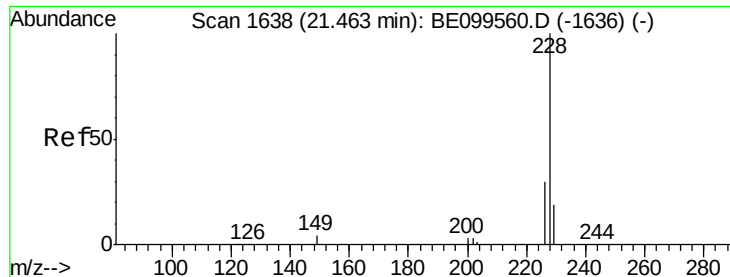


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.398 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

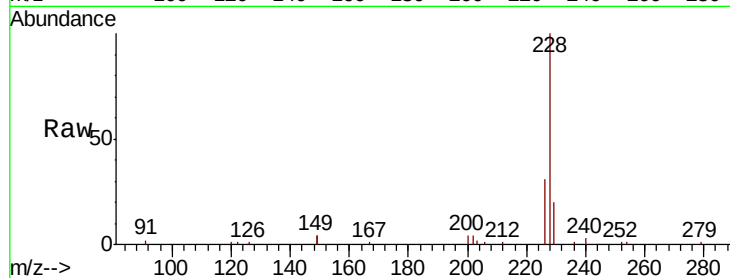
Tot Ion:228 Resp: 23219

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.4

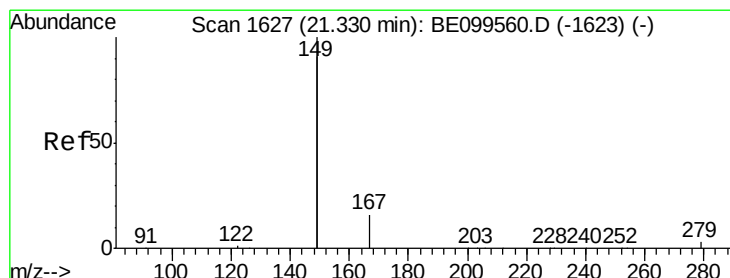
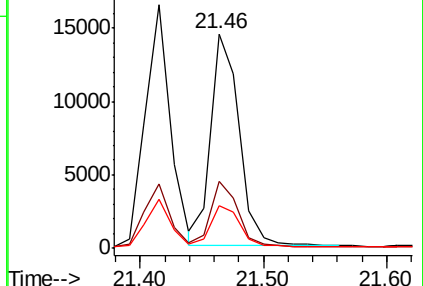
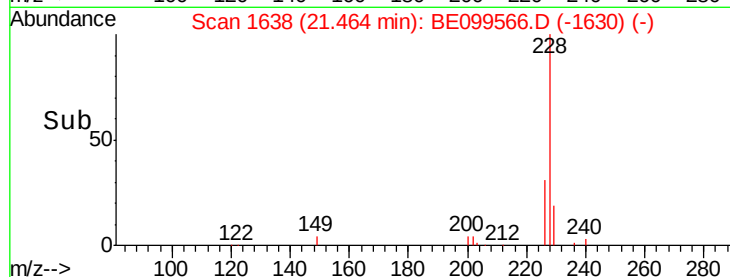
229 19.6 15.8 23.6



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: 0.387 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

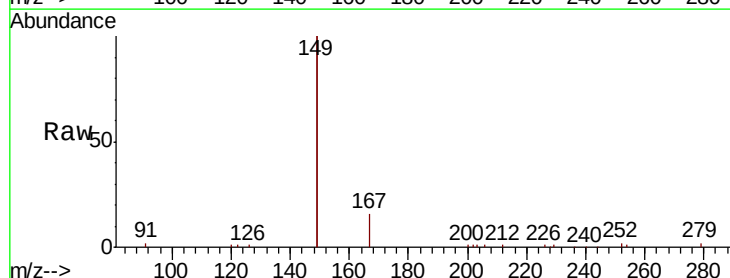
Tgt Ion:149 Resp: 36232

Ion Ratio Lower Upper

149 100

167 7.2 6.1 9.1

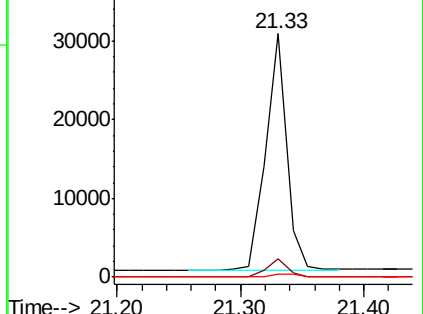
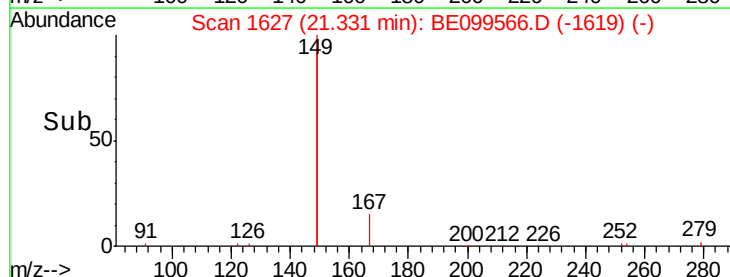
279 1.4 1.3 1.9

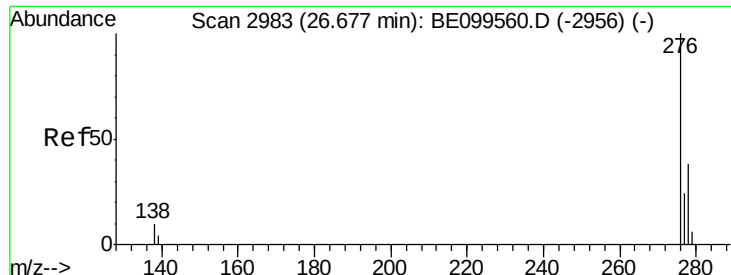


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.406 ng

RT: 26.69 min Scan# 2987

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

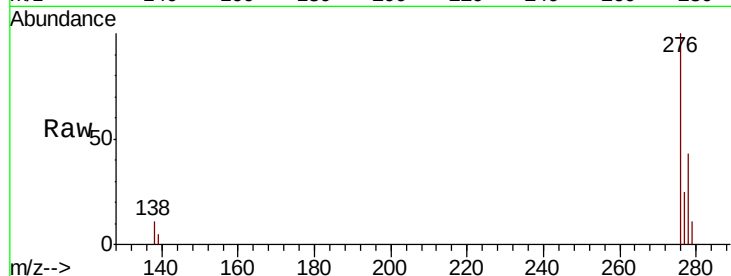
Tot Ion:276 Resp: 28169

Ion Ratio Lower Upper

276 100

138 12.1 9.5 14.3

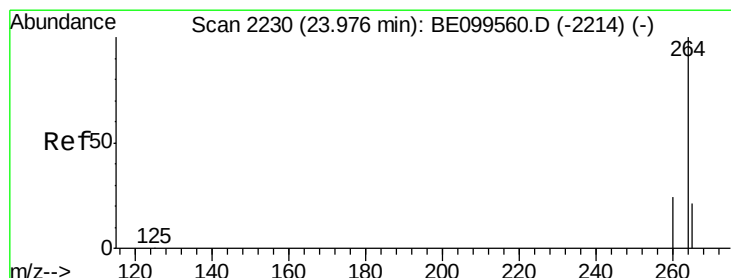
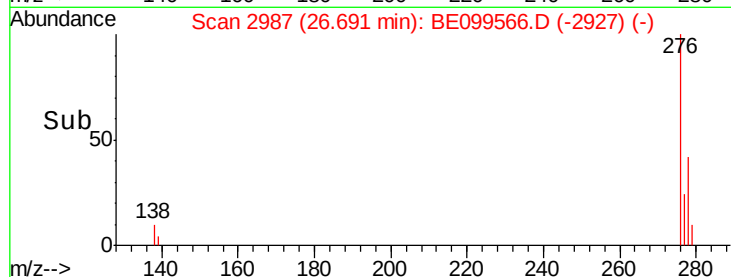
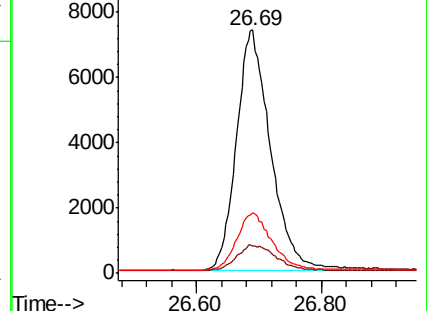
277 24.1 19.7 29.5



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: 23.99 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

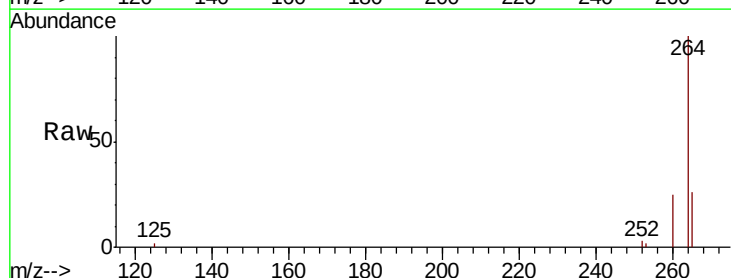
Tgt Ion:264 Resp: 22576

Ion Ratio Lower Upper

264 100

260 25.3 19.9 29.9

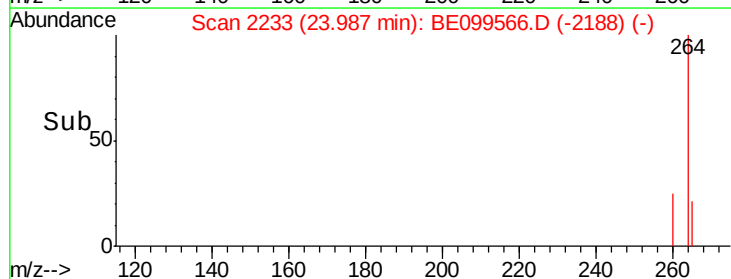
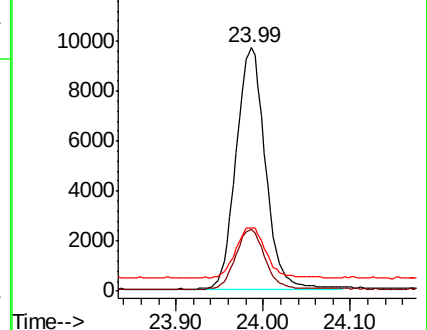
265 26.0 22.2 33.2

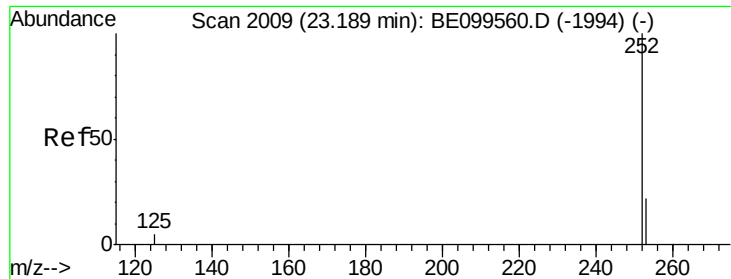


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.364 ng

RT: 23.20 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

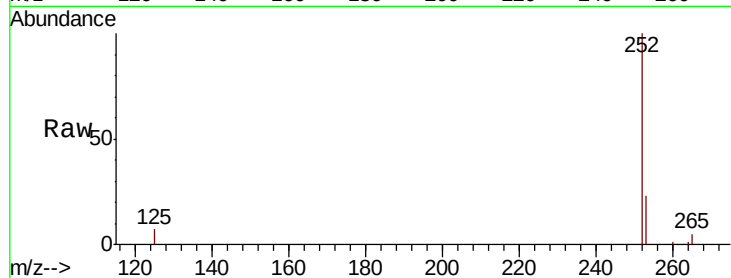
Tot Ion:252 Resp: 22667

Ion Ratio Lower Upper

252 100

253 23.5 19.0 28.4

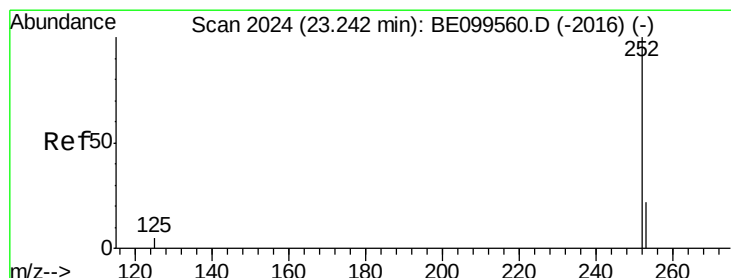
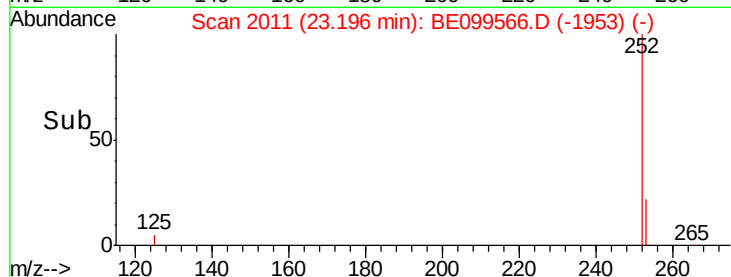
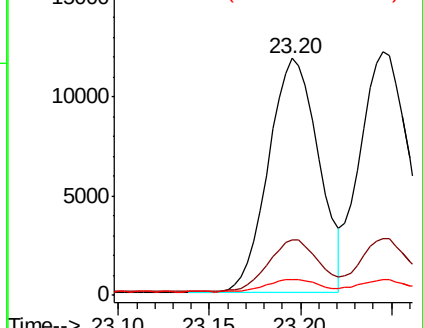
125 6.9 5.8 8.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.398 ng

RT: 23.25 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

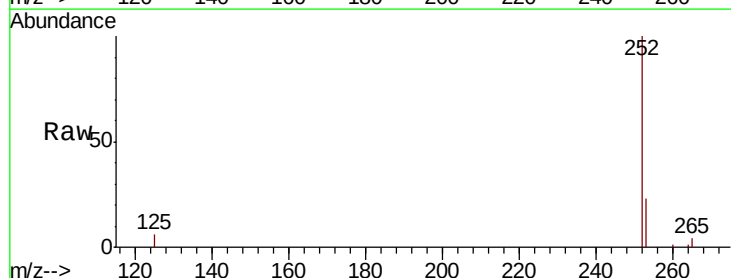
Tgt Ion:252 Resp: 24406

Ion Ratio Lower Upper

252 100

253 23.4 19.1 28.7

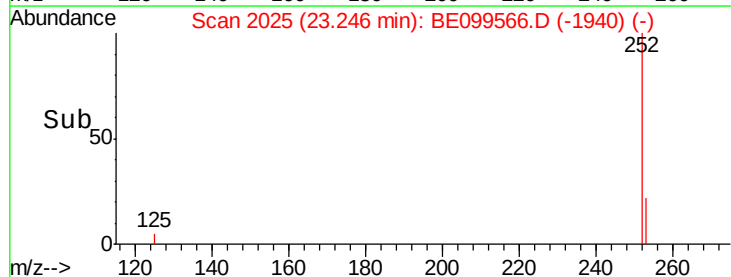
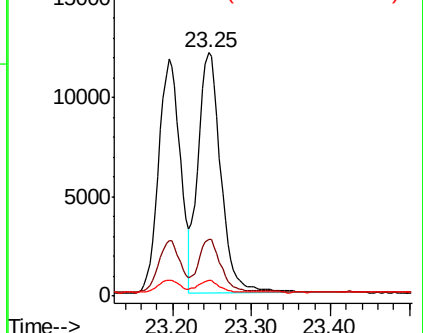
125 6.3 5.8 8.6

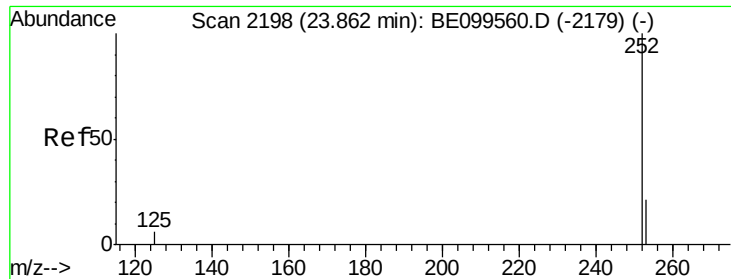


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

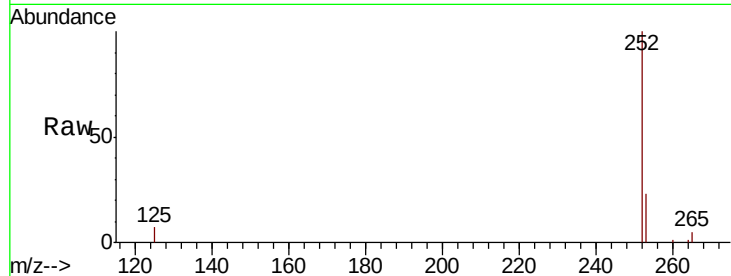




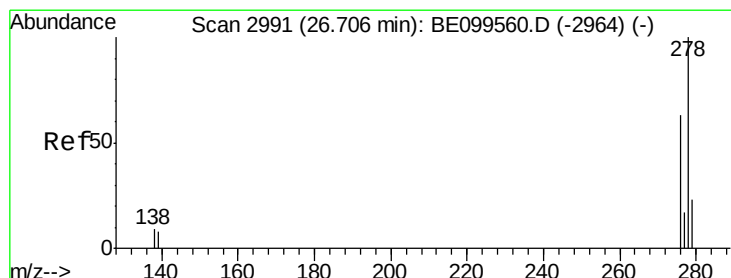
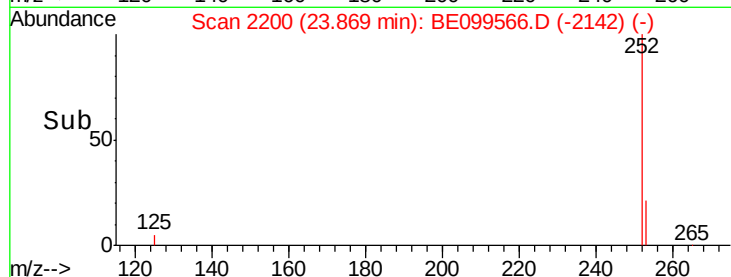
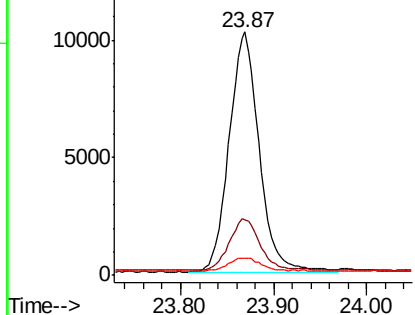
#37
Benzo(a)pyrene
Concen: 0.382 ng
RT: 23.87 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Instrument :
BNA_E
ClientSampleId :
PB119482BS

Tot Ion:252 Resp: 22968
Ion Ratio Lower Upper
252 100
253 22.8 18.9 28.3
125 7.1 6.6 9.8

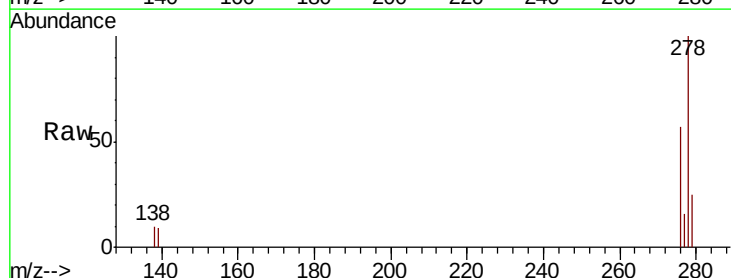


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

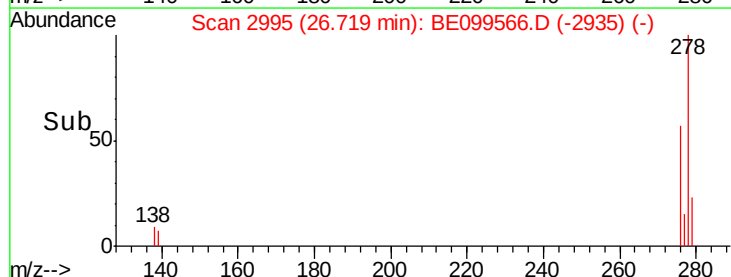
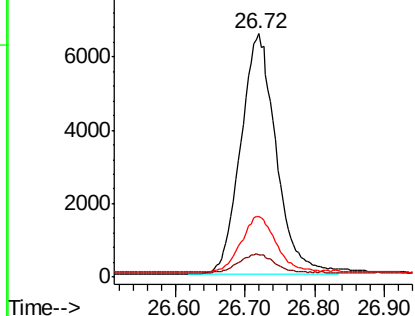


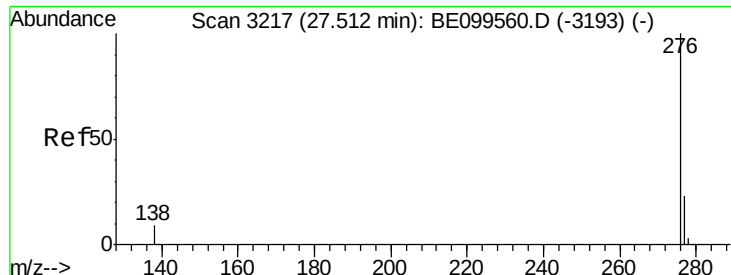
#38
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 26.72 min Scan# 2995
Delta R.T. 0.01 min
Lab File: BE099566.D
Acq: 7 May 2019 15:27

Tgt Ion:278 Resp: 23185
Ion Ratio Lower Upper
278 100
139 9.0 7.7 11.5
279 24.9 21.0 31.4



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: 0.382 ng

RT: 27.53 min Scan# 3222

Delta R.T. 0.02 min

Lab File: BE099566.D

Acq: 7 May 2019 15:27

Instrument :

BNA_E

ClientSampleId :

PB119482BS

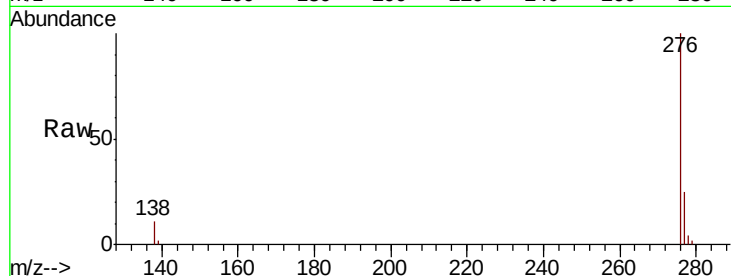
Tot Ion: 276 Resp: 23745

Ion Ratio Lower Upper

276 100

277 24.6 19.7 29.5

138 11.1 8.6 12.8



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

