

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061319\
 Data File : BE099980.D
 Acq On : 13 Jun 2019 9:22
 Operator : JU/SJ
 Sample : PB120516BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120516BS

Quant Time: Jun 14 03:22:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	784	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	2801	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	1997	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6911	0.40	ng	0.00
27) Chrysene-d12	21.40	240	10966	0.40	ng	0.00
34) Perylene-d12	23.93	264	12273	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	709	0.33	ng	0.01
5) Phenol-d6	6.97	99	847	0.31	ng	0.00
8) Nitrobenzene-d5	8.96	82	805	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2312	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	298	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	2562	0.34	ng	-0.01
25) Fluoranthene-d10	19.25	212	35041	0.35	ng	0.00
29) Terphenyl-d14	19.85	244	7508	0.38	ng	0.00

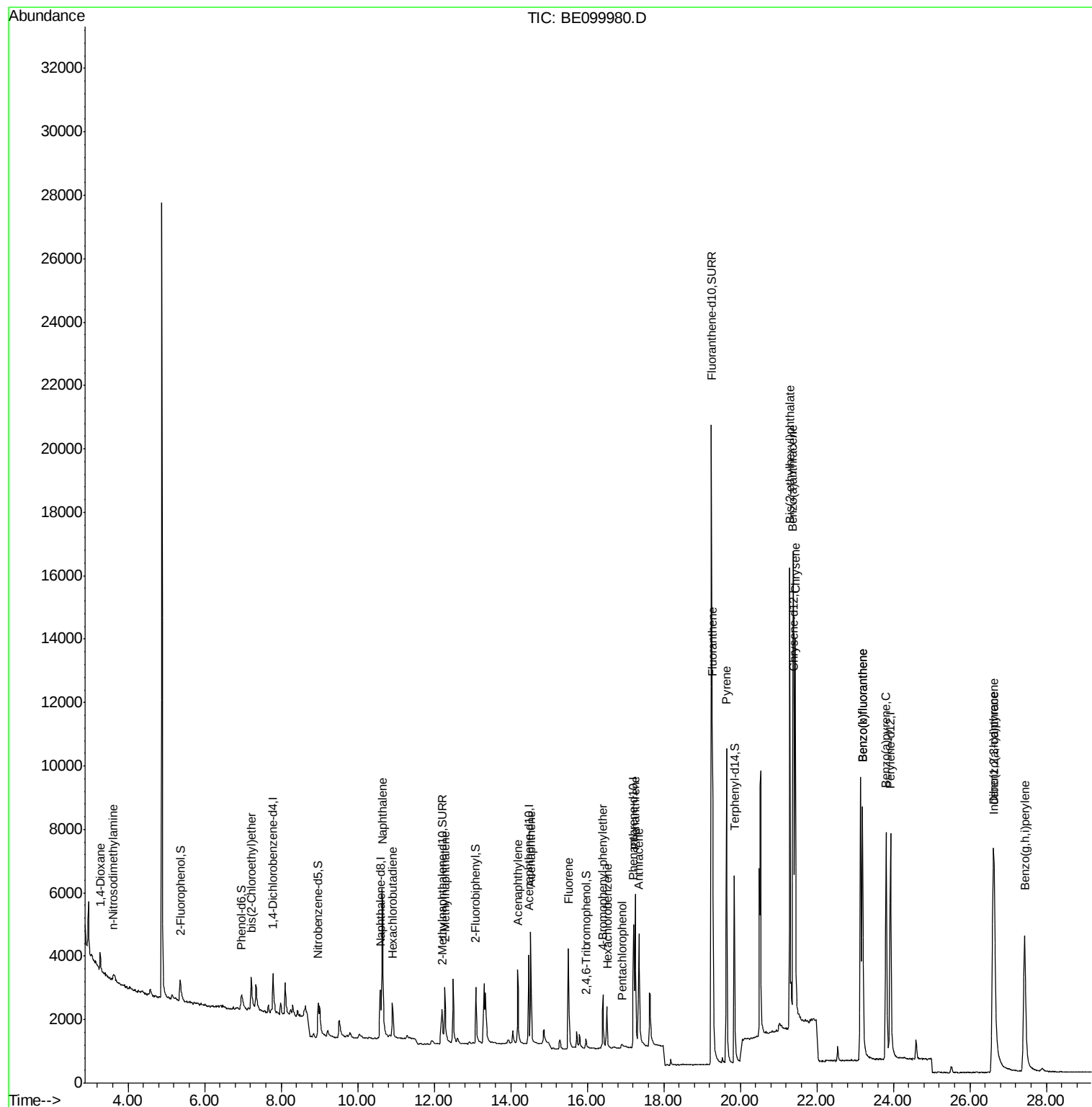
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	438	0.377	ng	# 69
3) n-Nitrosodimethylamine	3.62	42	158	0.236	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	769	0.345	ng	91
9) Naphthalene	10.64	128	10834	0.358	ng	99
10) Hexachlorobutadiene	10.91	225	857	0.372	ng	98
12) 2-Methylnaphthalene	12.28	142	1677	0.341	ng	99
16) Acenaphthylene	14.18	152	3354	0.338	ng	99
17) Acenaphthene	14.53	154	1850	0.342	ng	98
18) Fluorene	15.51	166	2742	0.338	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1300	0.332	ng	95
21) Hexachlorobenzene	16.52	284	1355	0.339	ng	97
22) Pentachlorophenol	16.91	266	211	0.409	ng	98
23) Phenanthrene	17.25	178	5739	0.342	ng	99
24) Anthracene	17.35	178	4933	0.321	ng	98
26) Fluoranthene	19.28	202	10421	0.366	ng	99
28) Pyrene	19.64	202	11131	0.386	ng	99
30) Benzo(a)anthracene	21.38	228	13543	0.413	ng	99
31) Chrysene	21.44	228	13140	0.388	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	15812	0.336	ng	99
33) Indeno(1,2,3-cd)pyrene	26.61	276	15911	0.396	ng	98
35) Benzo(b)fluoranthene	23.20	252	14337	0.417	ng	99
36) Benzo(k)fluoranthene	23.20	252	14726	0.409	ng	99
37) Benzo(a)pyrene	23.81	252	13498	0.398	ng	# 91
38) Dibenzo(a,h)anthracene	26.64	278	12716	0.373	ng	98
39) Benzo(g,h,i)perylene	27.43	276	13661	0.387	ng	99

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

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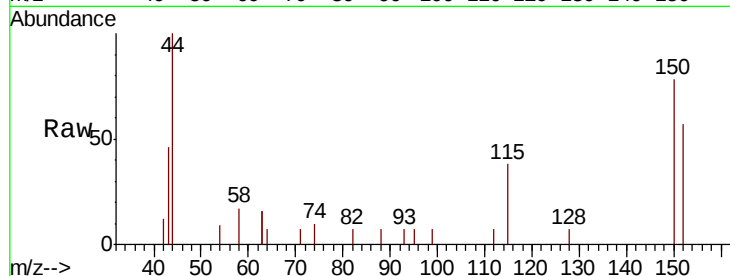


#1

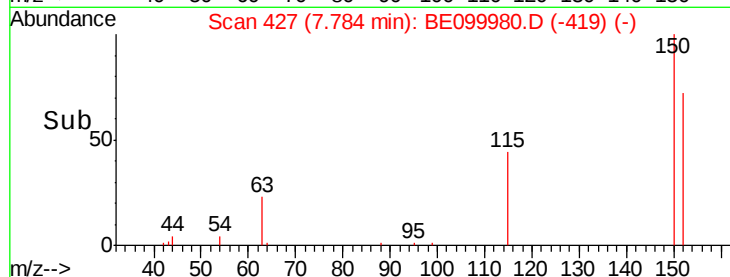
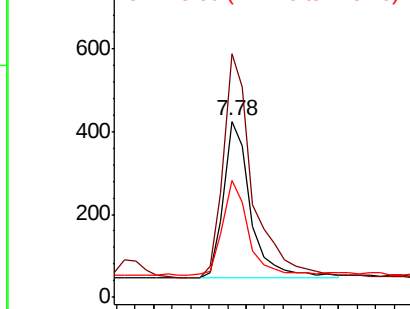
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.78 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Instrument :
 BNA_E
 ClientSampleId :
 PB120516BS

Tgt Ion: 152 Resp: 784
 Ion Ratio Lower Upper
 152 100
 150 138.4 111.0 166.6
 115 66.6 50.7 76.1



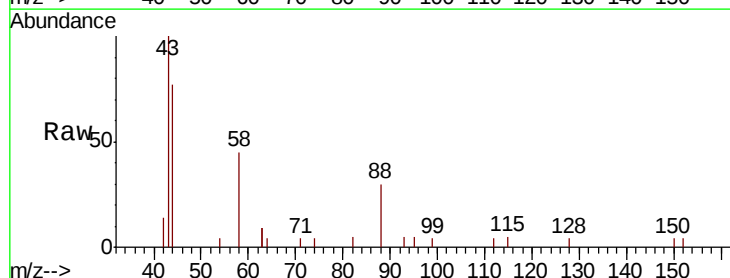
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



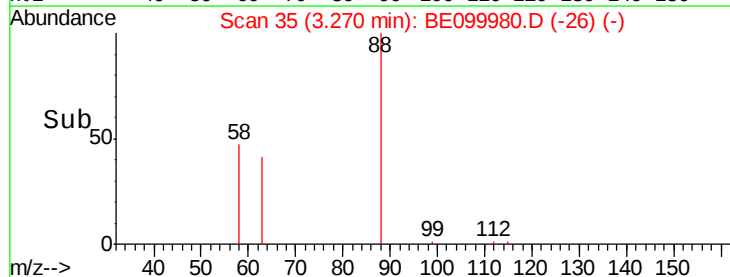
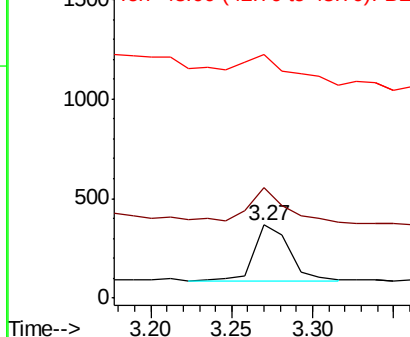
#2

1,4-Dioxane
 Concen: 0.377 ng
 RT: 3.27 min Scan# 35
 Delta R.T. 0.00 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Tgt Ion: 88 Resp: 438
 Ion Ratio Lower Upper
 88 100
 58 56.4 48.8 73.2
 43 69.9 19.0 28.6#



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: 0.236 ng

RT: 3.62 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

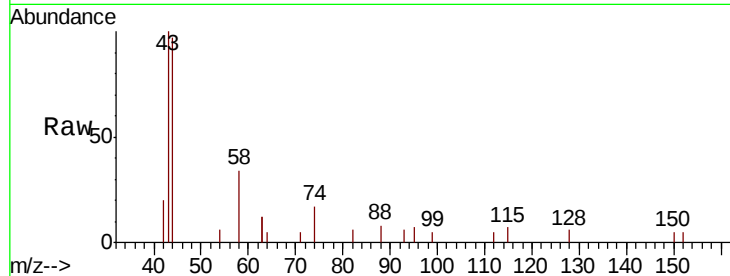
Tgt Ion: 42 Resp: 158

Ion Ratio Lower Upper

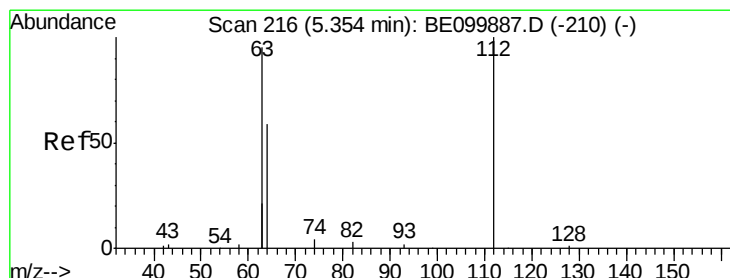
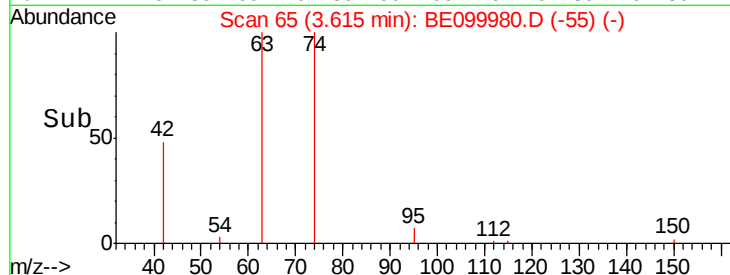
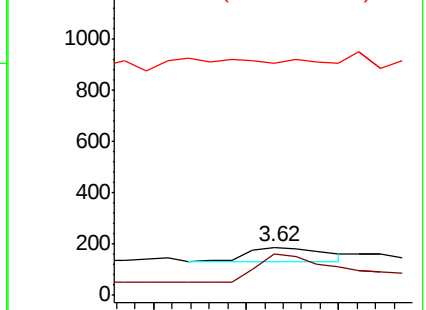
42 100

74 167.7 0.0 0.0#

44 0.0 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: 0.335 ng

RT: 5.37 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

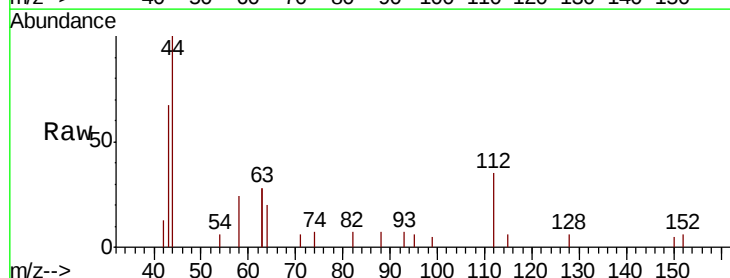
Tgt Ion: 112 Resp: 709

Ion Ratio Lower Upper

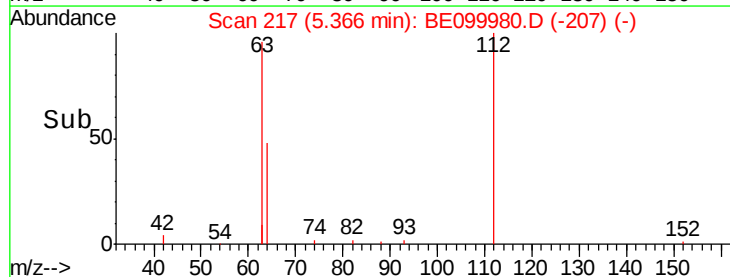
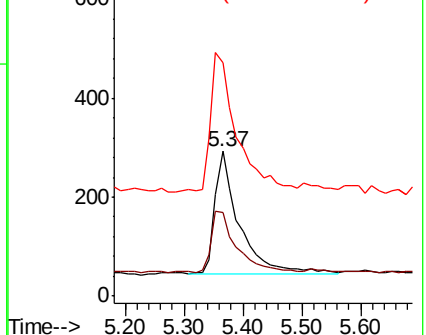
112 100

64 51.8 44.1 66.1

63 123.0 87.8 131.6



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: 0.311 ng

RT: 6.97 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

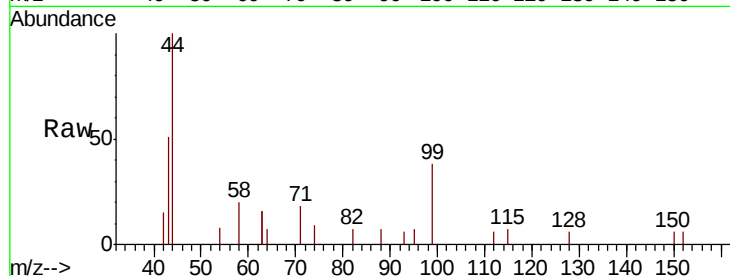
Tgt Ion: 99 Resp: 847

Ion Ratio Lower Upper

99 100

42 11.1 15.9 23.9#

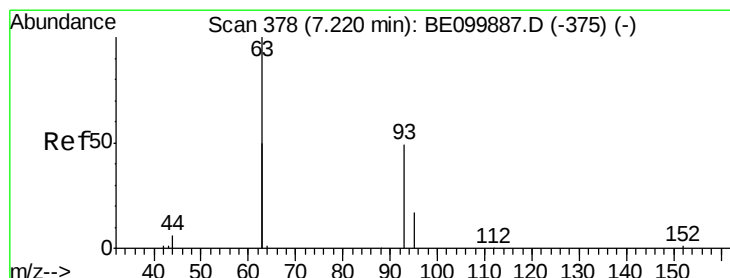
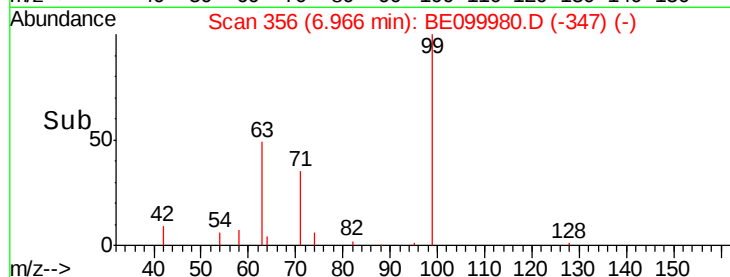
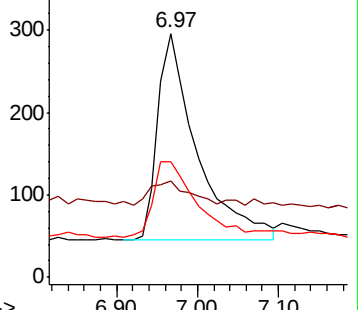
71 39.8 34.6 52.0



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: 0.345 ng

RT: 7.22 min Scan# 378

Delta R.T. 0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

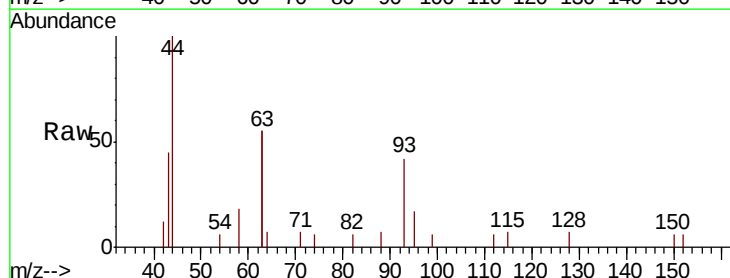
Tgt Ion: 93 Resp: 769

Ion Ratio Lower Upper

93 100

63 236.7 202.8 304.2

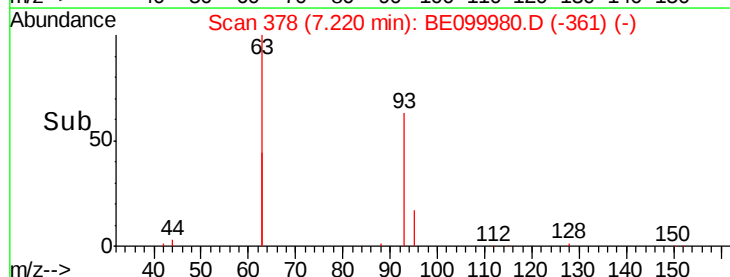
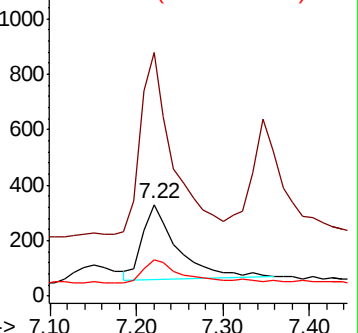
95 32.8 23.7 35.5



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 2801

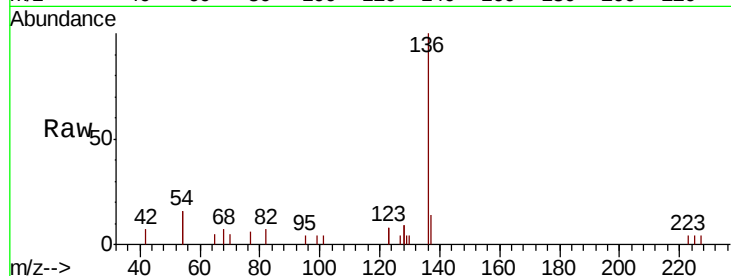
Ion Ratio Lower Upper

136 100

137 14.4 12.3 18.5

54 31.5 28.2 42.4

68 7.4 7.8 11.8#

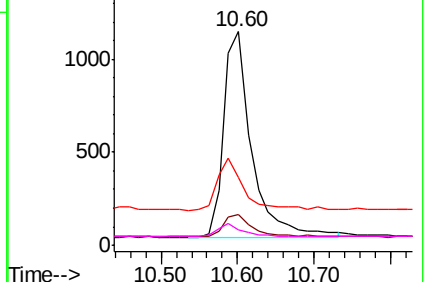
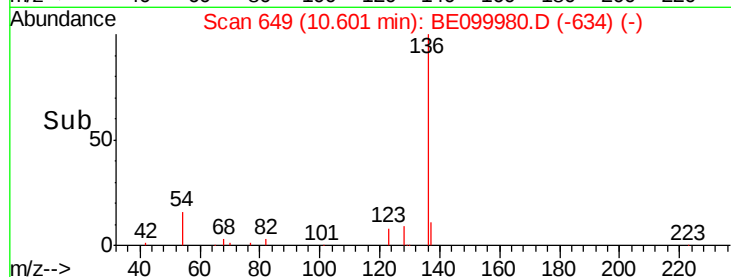


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.304 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

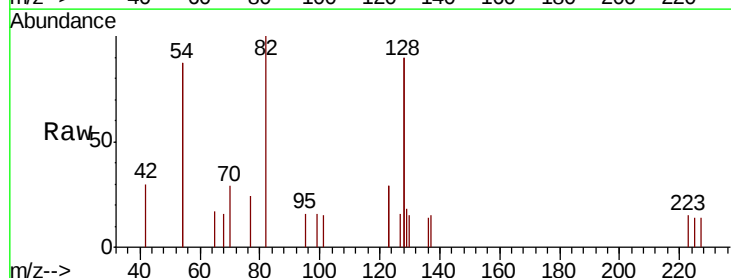
Tgt Ion: 82 Resp: 805

Ion Ratio Lower Upper

82 100

128 180.4 137.3 205.9

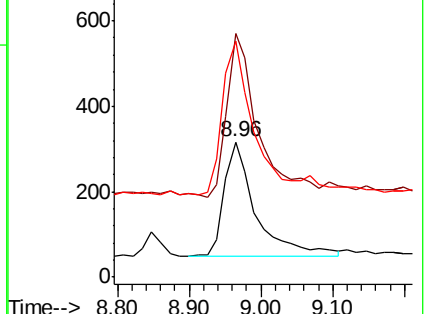
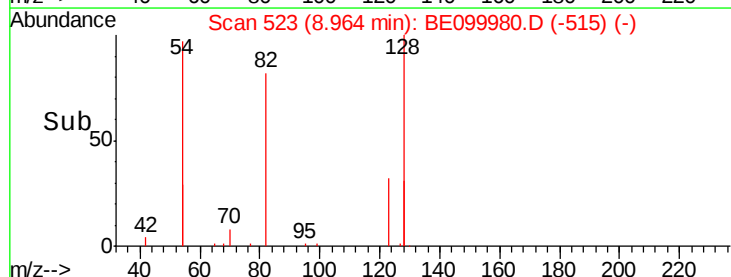
54 174.7 129.7 194.5



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: 0.358 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

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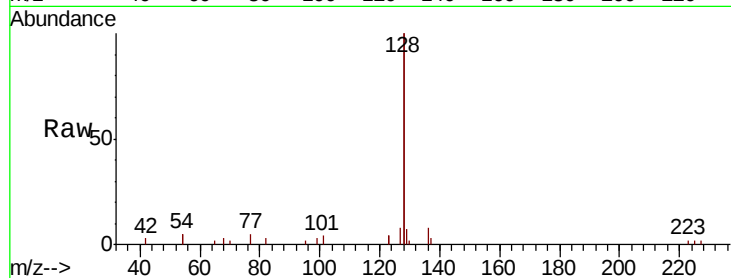
Tgt Ion:128 Resp: 10834

Ion Ratio Lower Upper

128 100

129 3.5 3.0 4.6

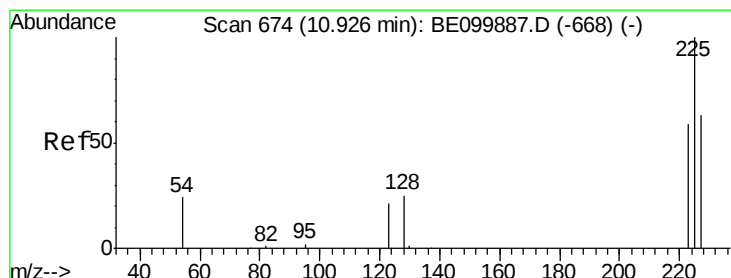
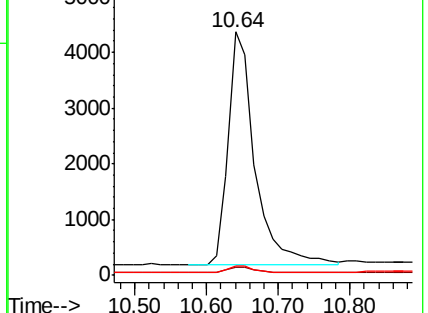
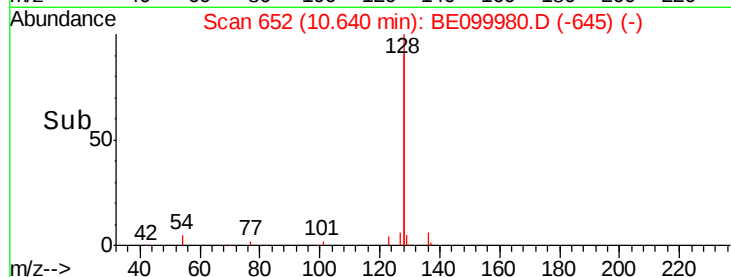
127 4.1 3.4 5.0



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: 0.372 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

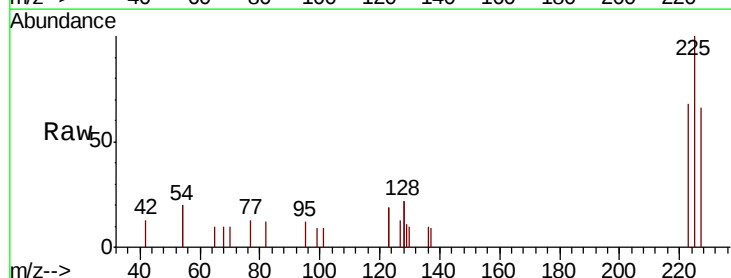
Tgt Ion:225 Resp: 857

Ion Ratio Lower Upper

225 100

223 62.0 51.6 77.4

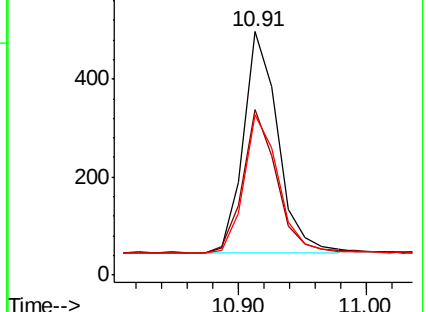
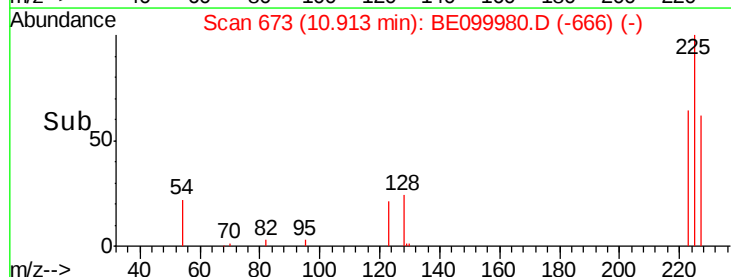
227 62.1 50.6 76.0



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: 0.473 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

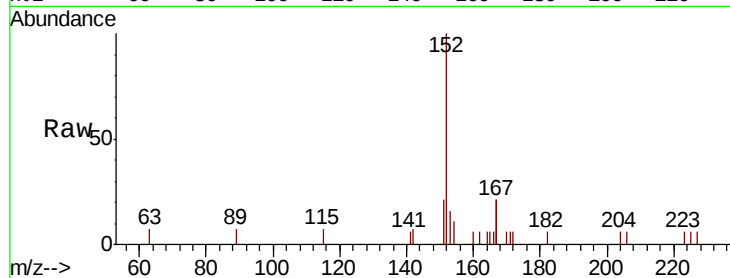
PB120516BS

Tgt Ion:152 Resp: 2312

Ion Ratio Lower Upper

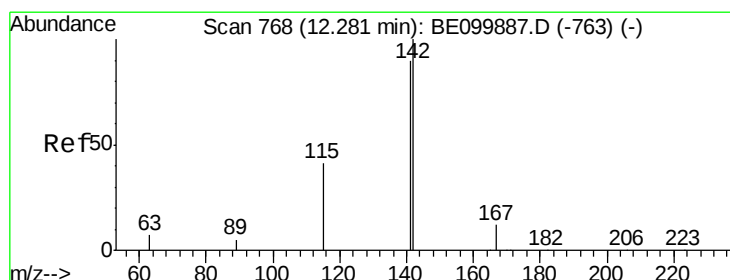
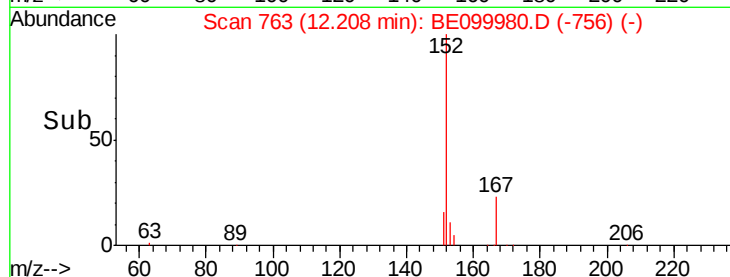
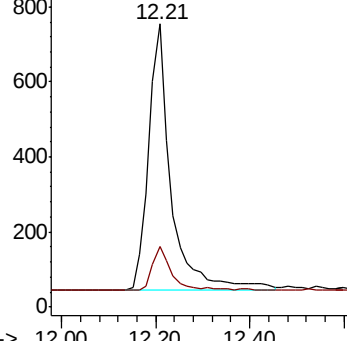
152 100

151 13.6 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.341 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

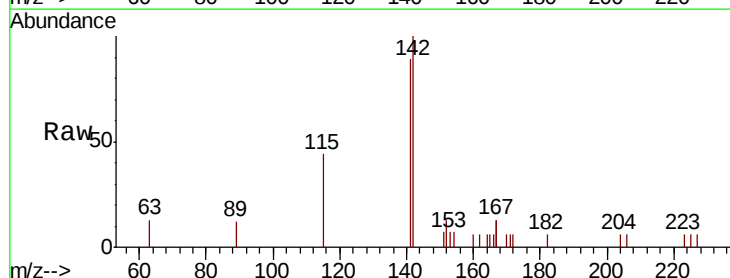
Tgt Ion:142 Resp: 1677

Ion Ratio Lower Upper

142 100

141 89.3 72.3 108.5

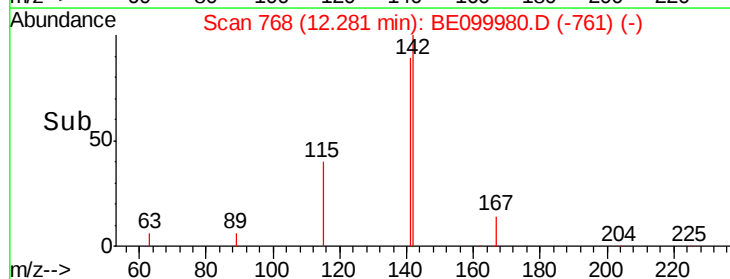
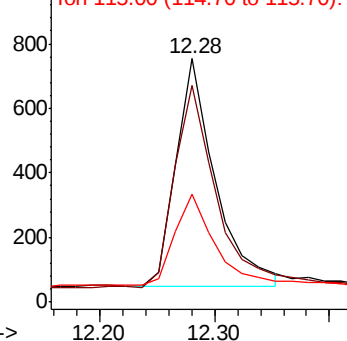
115 44.2 36.4 54.6



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: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

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ClientSampleId :

PB120516BS

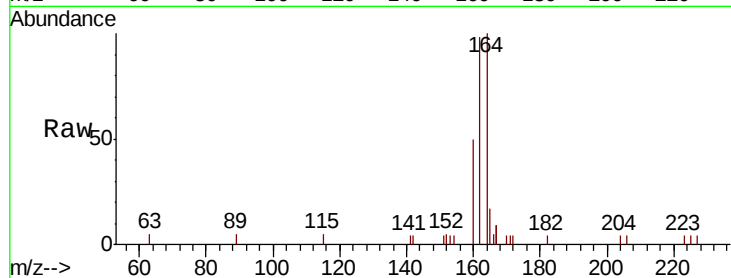
Tgt Ion:164 Resp: 1997

Ion Ratio Lower Upper

164 100

162 98.0 77.8 116.8

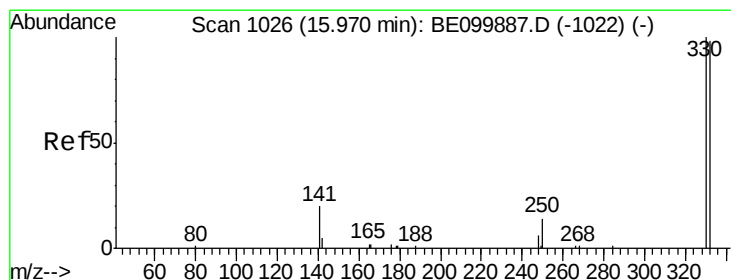
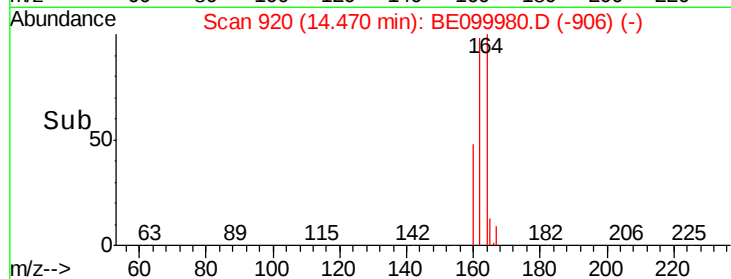
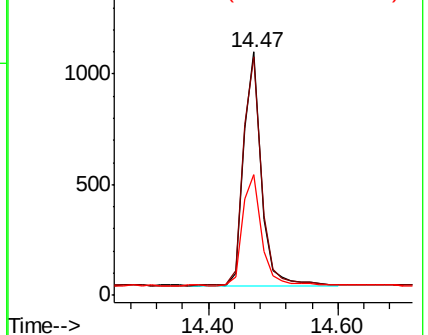
160 49.8 38.2 57.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.202 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

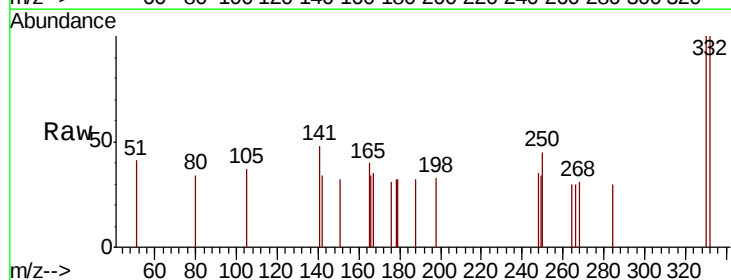
Tgt Ion:330 Resp: 298

Ion Ratio Lower Upper

330 100

332 105.4 76.7 115.1

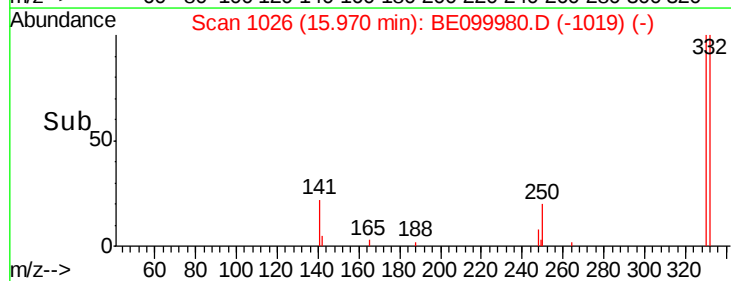
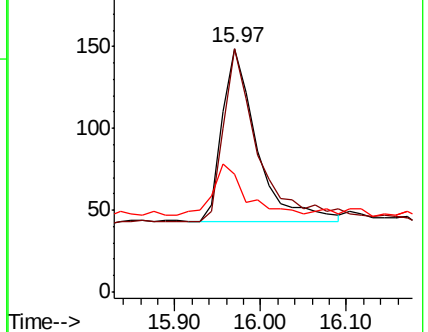
141 27.5 21.0 31.6

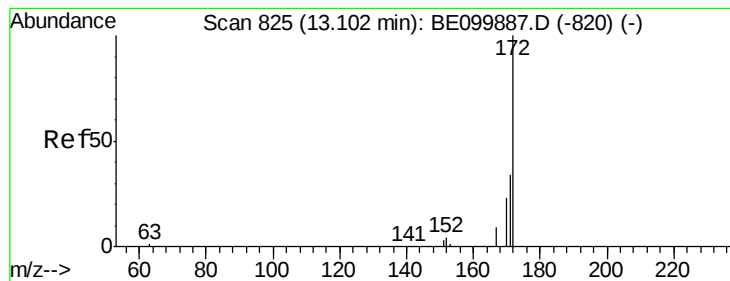


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.338 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

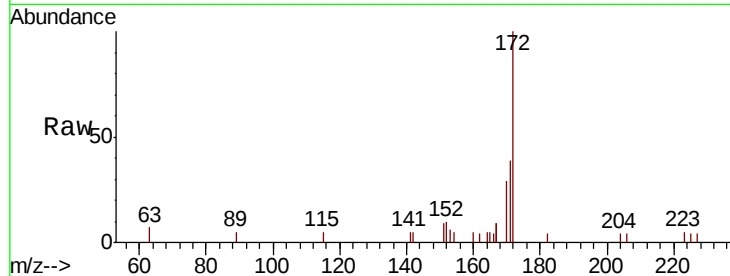
Tgt Ion:172 Resp: 2562

Ion Ratio Lower Upper

172 100

171 39.4 29.2 43.8

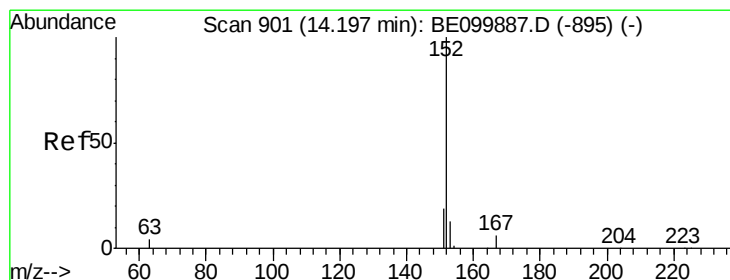
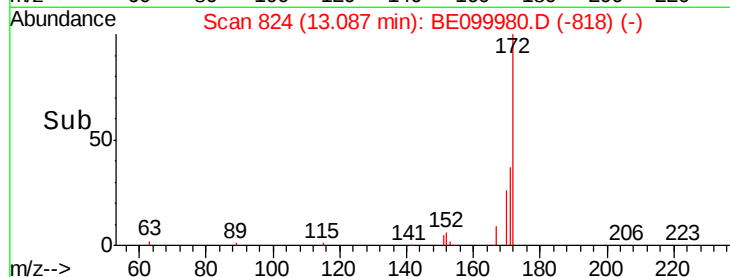
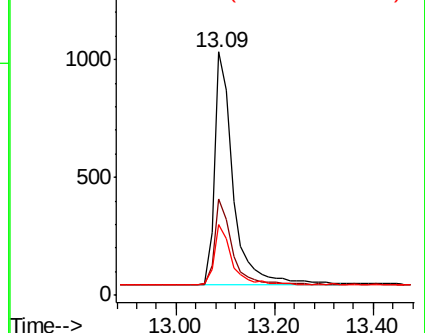
170 29.0 21.2 31.8



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: 0.338 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

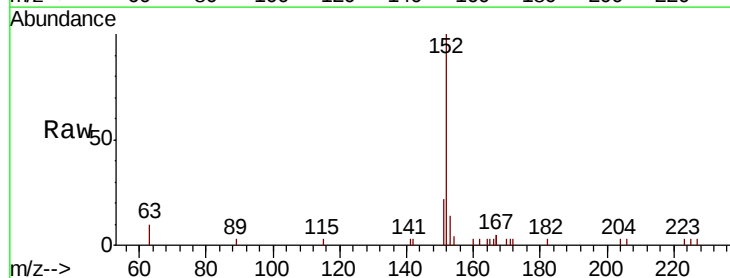
Tgt Ion:152 Resp: 3354

Ion Ratio Lower Upper

152 100

151 19.9 15.5 23.3

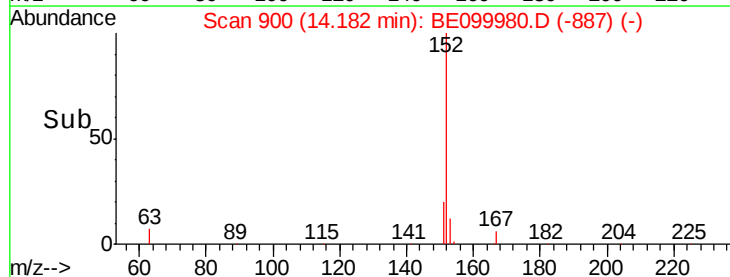
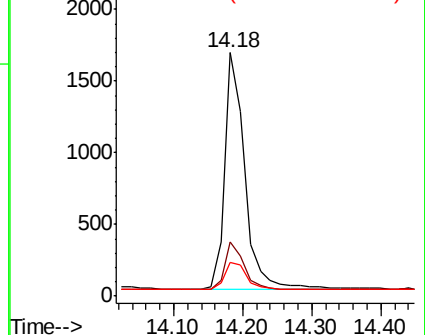
153 12.6 10.2 15.2

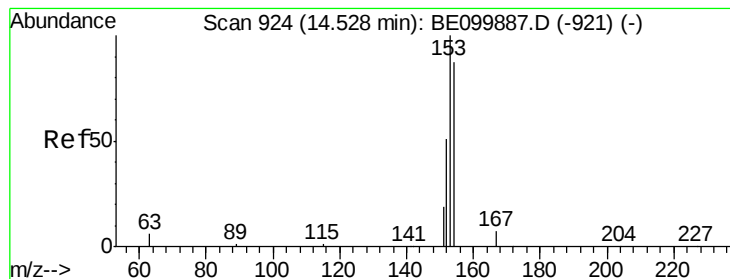


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.342 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

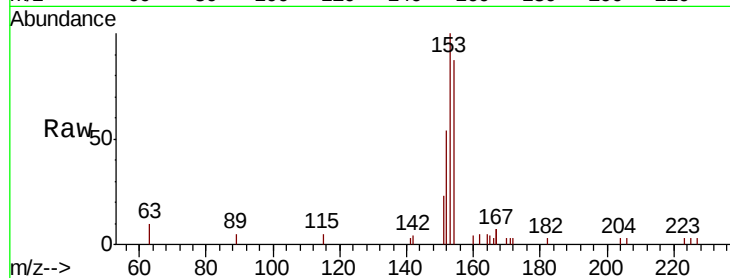
Tgt Ion:154 Resp: 1850

Ion Ratio Lower Upper

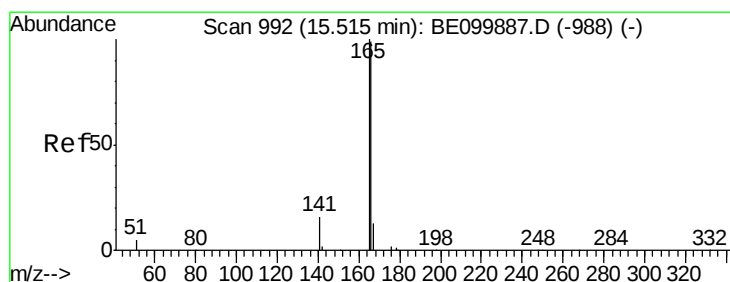
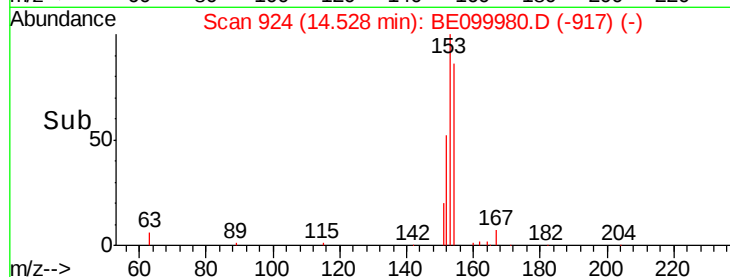
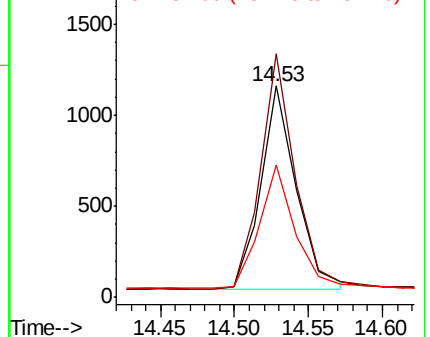
154 100

153 114.2 93.1 139.7

152 60.2 47.0 70.4



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: 0.338 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

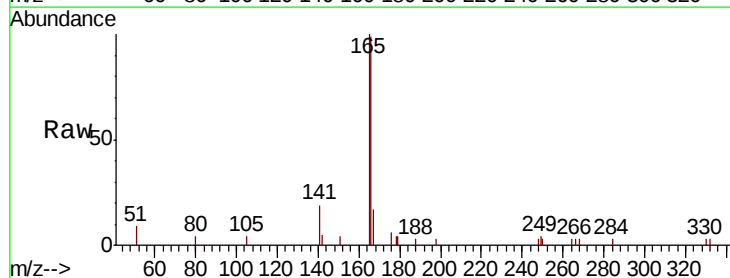
Tgt Ion:166 Resp: 2742

Ion Ratio Lower Upper

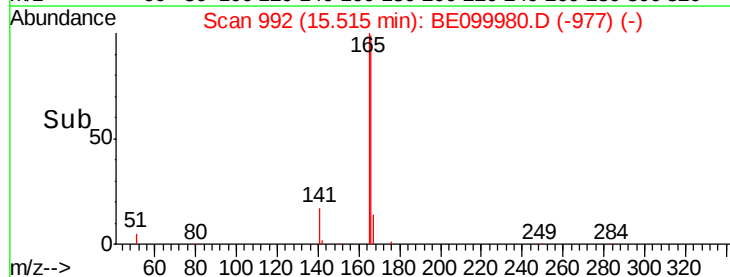
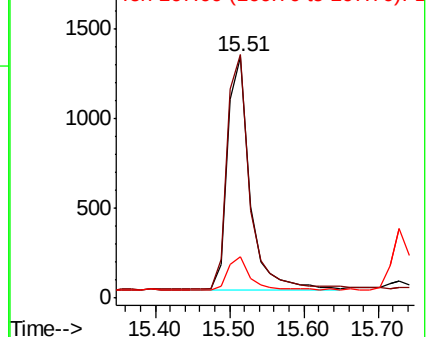
166 100

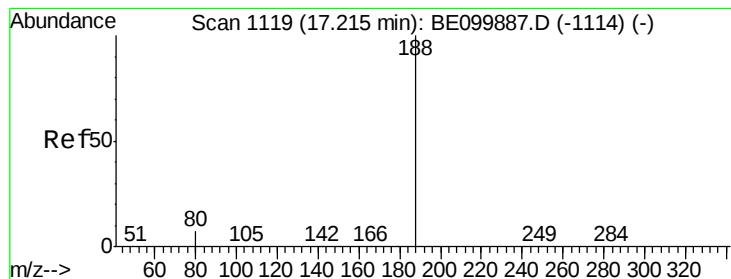
165 103.2 81.8 122.8

167 13.9 11.2 16.8



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: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

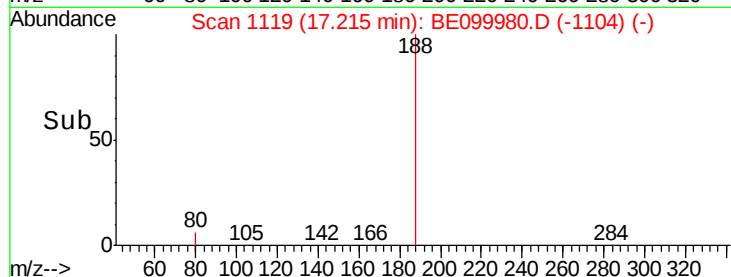
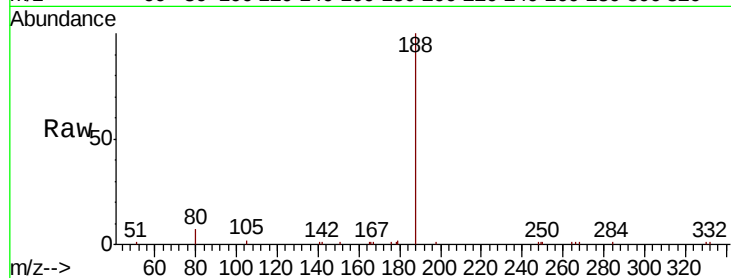
Tgt Ion:188 Resp: 6911

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

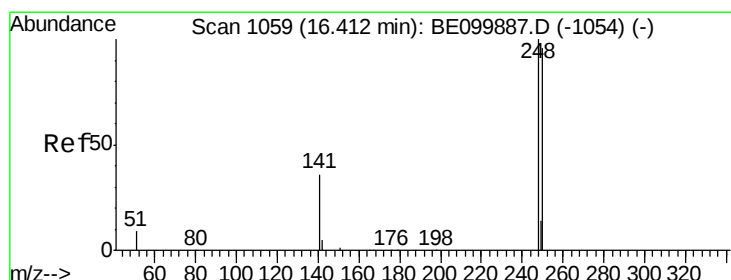
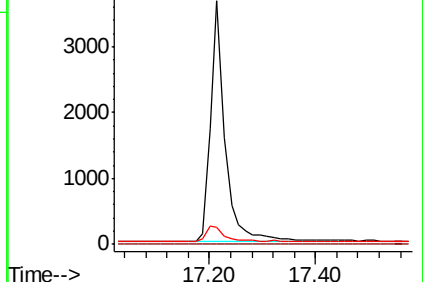
80 6.8 6.4 9.6



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: 0.332 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

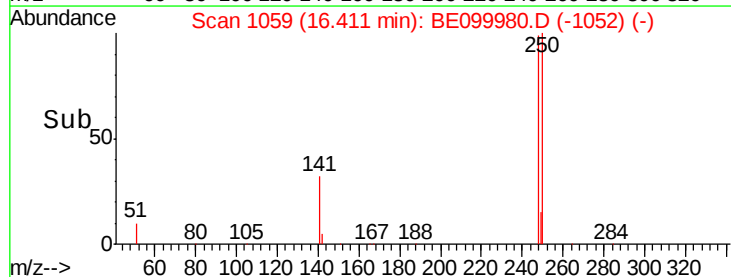
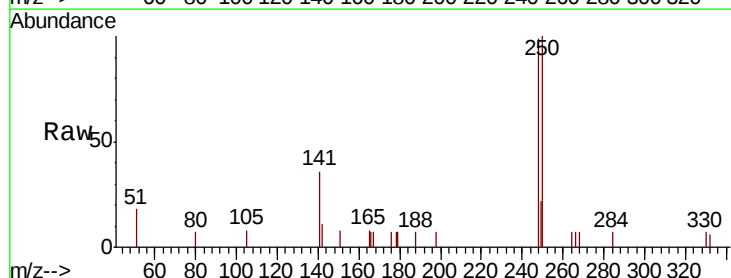
Tgt Ion:248 Resp: 1300

Ion Ratio Lower Upper

248 100

250 101.3 77.5 116.3

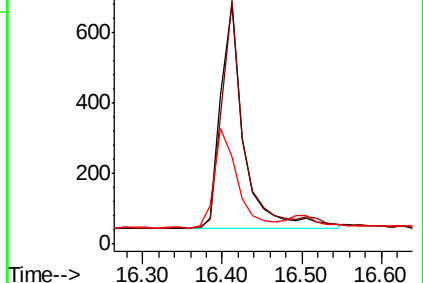
141 36.6 31.8 47.8

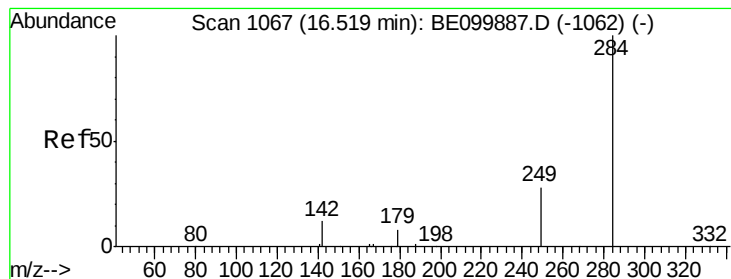


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.339 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

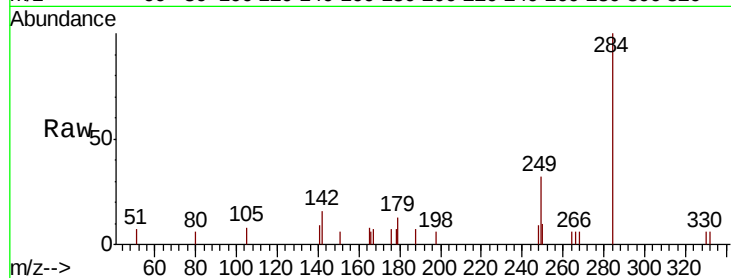
Tgt Ion:284 Resp: 1355

Ion Ratio Lower Upper

284 100

142 24.8 18.2 27.4

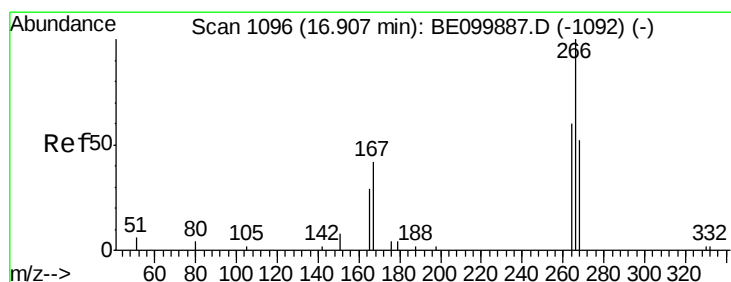
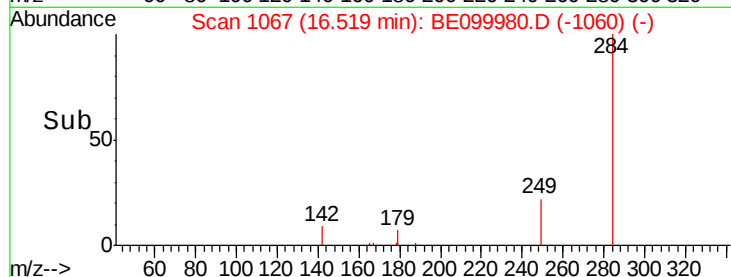
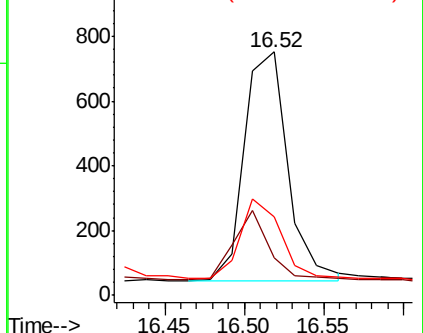
249 31.9 24.6 37.0



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: 0.409 ng

RT: 16.91 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

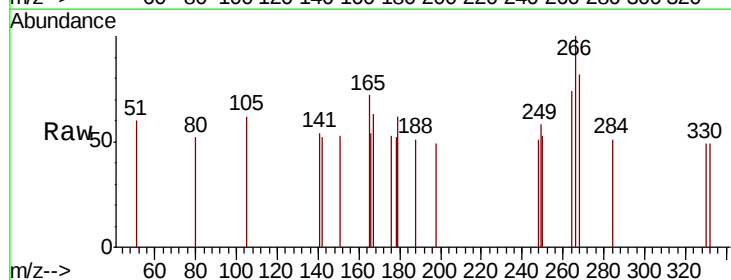
Tgt Ion:266 Resp: 211

Ion Ratio Lower Upper

266 100

264 74.4 62.2 93.2

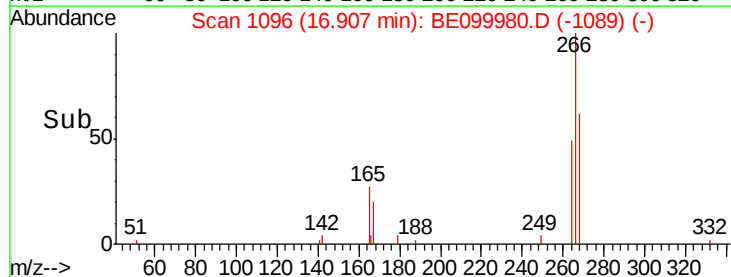
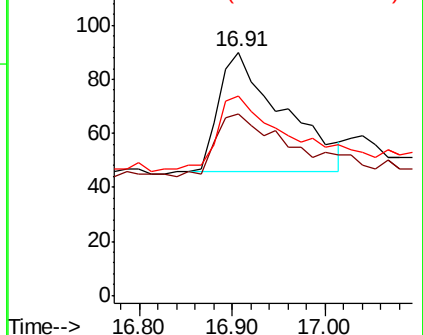
268 82.2 65.5 98.3



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: 0.342 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

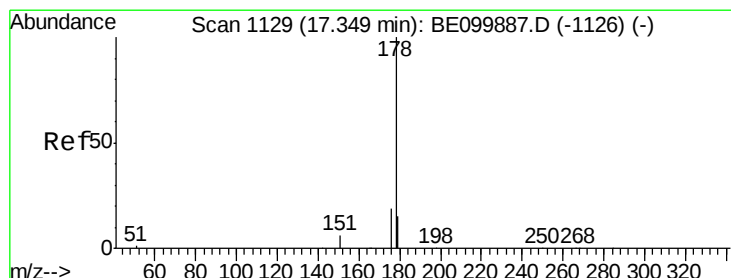
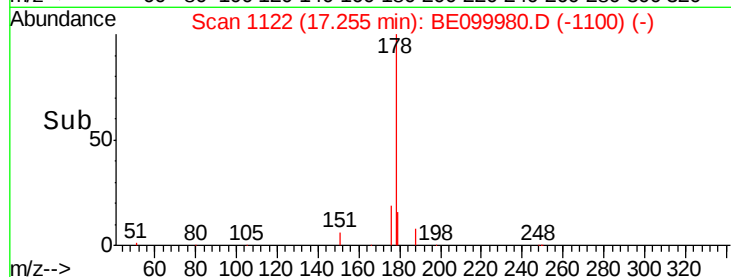
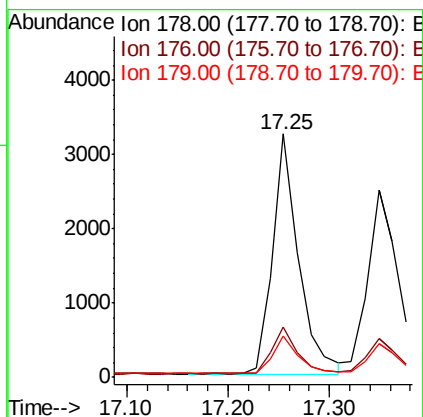
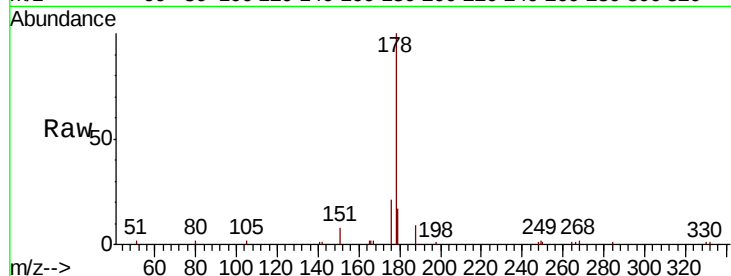
Tgt Ion:178 Resp: 5739

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 16.1 12.4 18.6



#24

Anthracene

Concen: 0.321 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

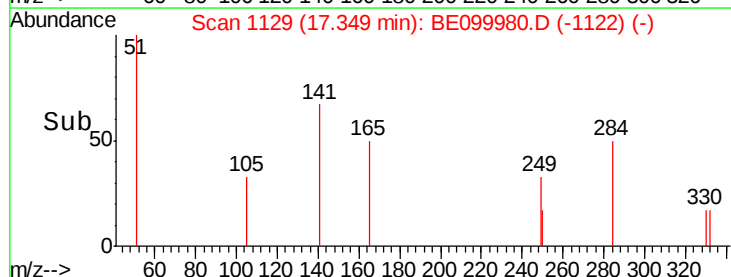
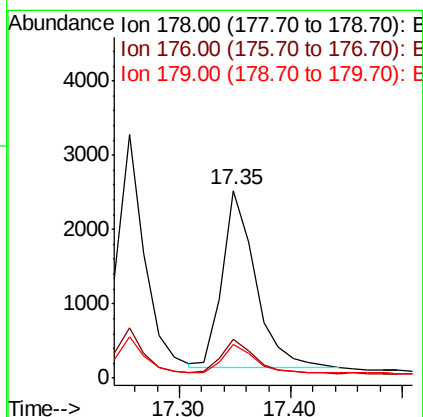
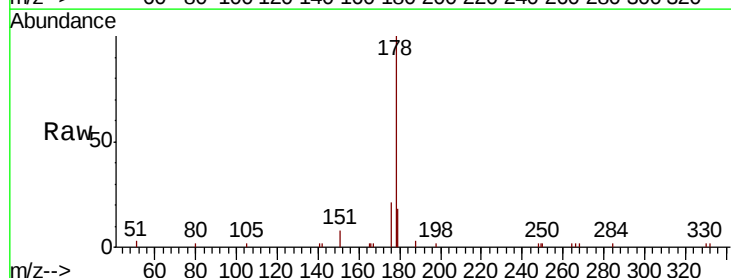
Tgt Ion:178 Resp: 4933

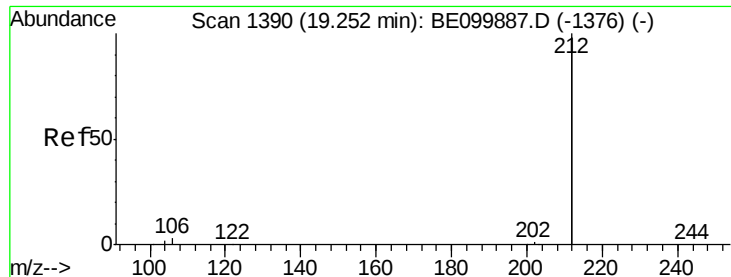
Ion Ratio Lower Upper

178 100

176 19.4 14.6 22.0

179 16.2 12.3 18.5





#25

Fluoranthene-d10

Concen: 0.348 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

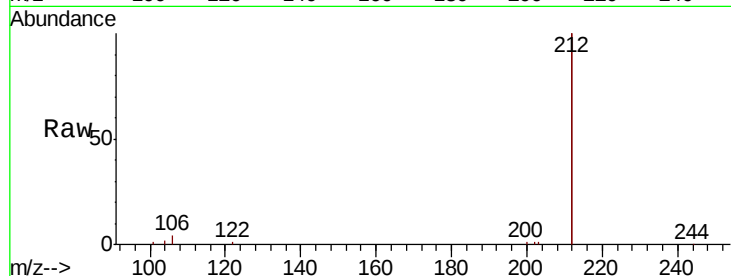
Tgt Ion:212 Resp: 35041

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

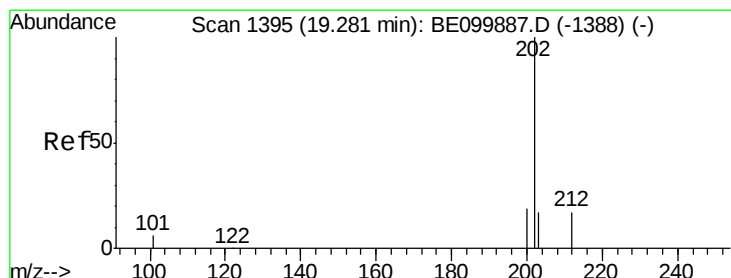
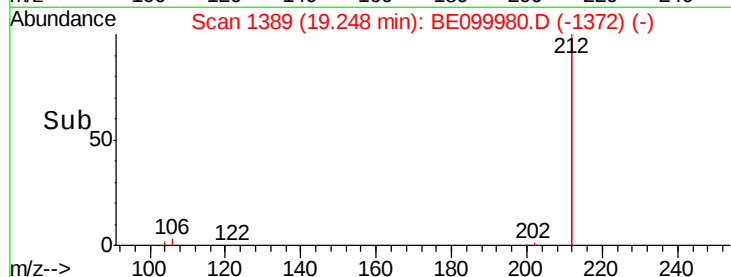
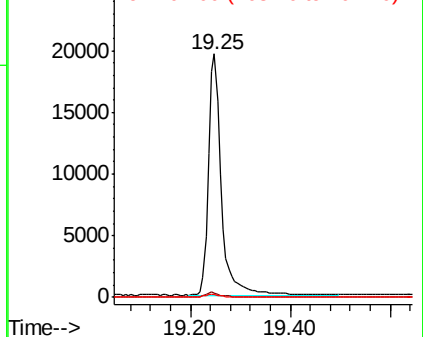
104 1.0 0.9 1.3



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: 0.366 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

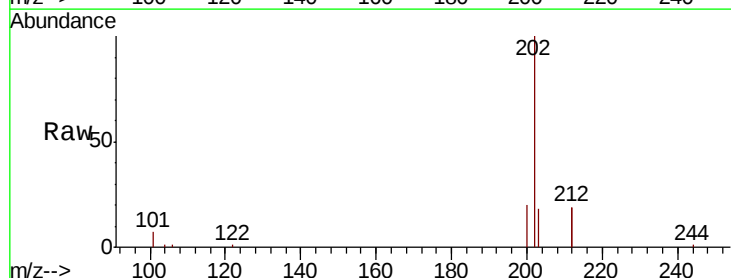
Tgt Ion:202 Resp: 10421

Ion Ratio Lower Upper

202 100

101 7.0 5.4 8.0

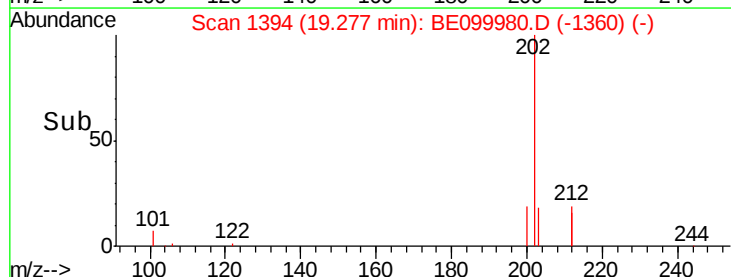
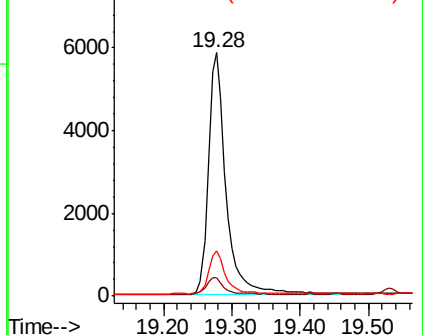
203 17.2 13.2 19.8



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: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

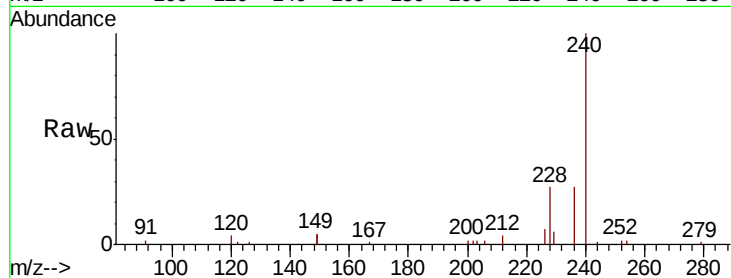
Tgt Ion:240 Resp: 10966

Ion Ratio Lower Upper

240 100

120 4.1 3.8 5.6

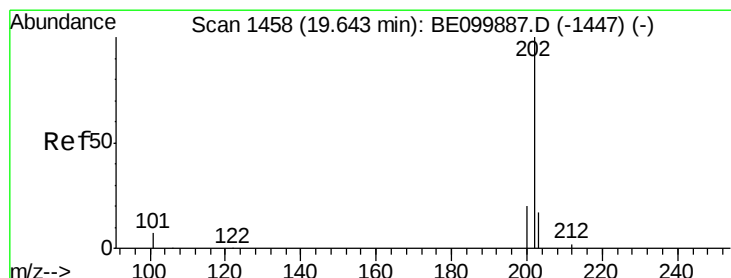
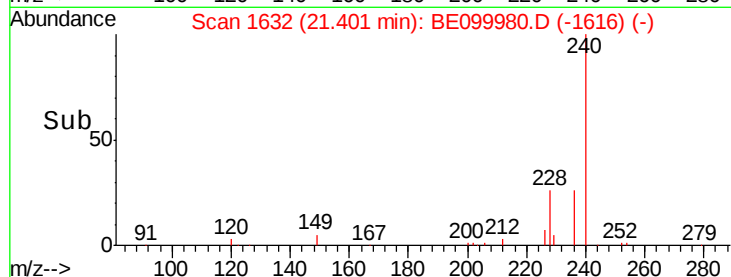
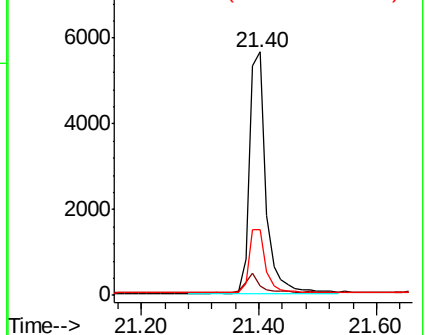
236 26.7 22.0 33.0



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: 0.386 ng

RT: 19.64 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

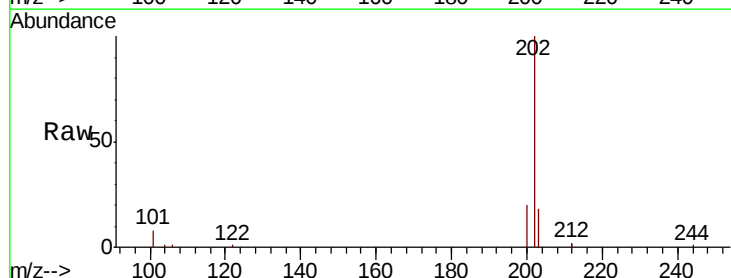
Tgt Ion:202 Resp: 11131

Ion Ratio Lower Upper

202 100

200 19.1 15.5 23.3

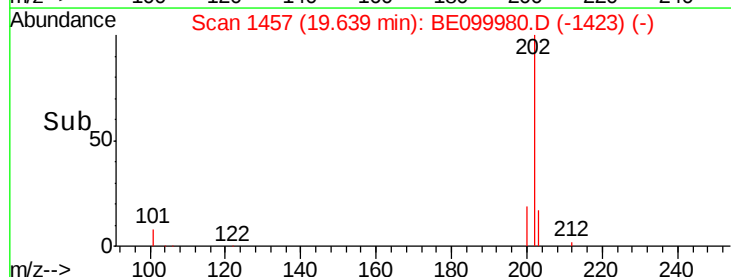
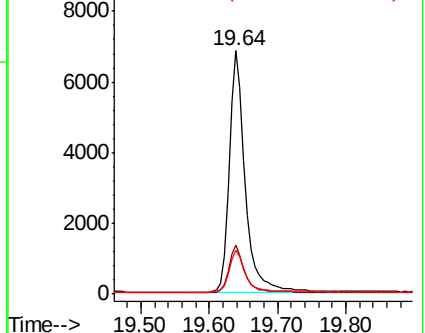
203 17.9 14.0 21.0



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: 0.380 ng

RT: 19.85 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

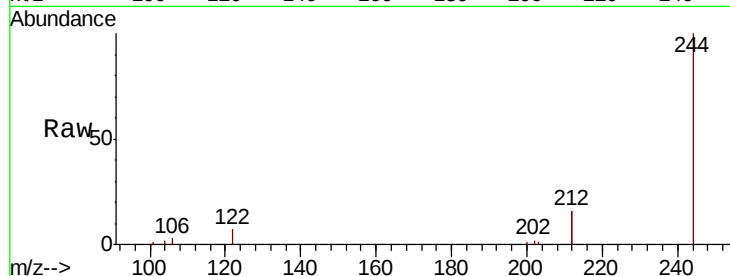
Tgt Ion:244 Resp: 7508

Ion Ratio Lower Upper

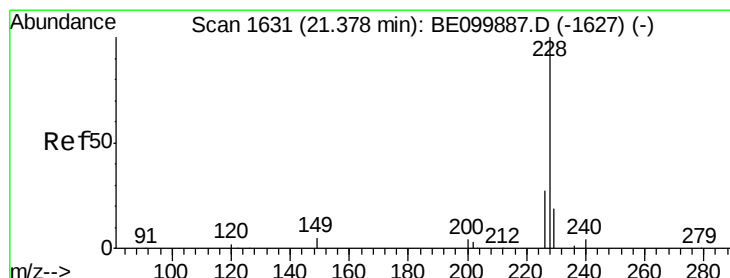
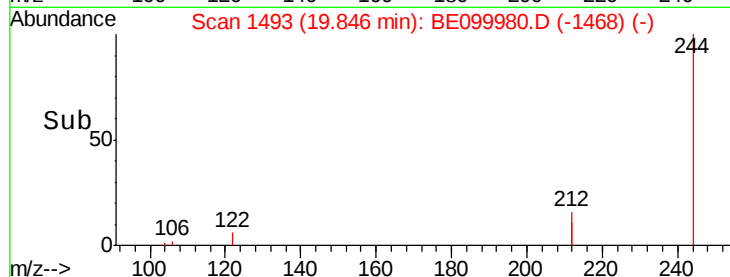
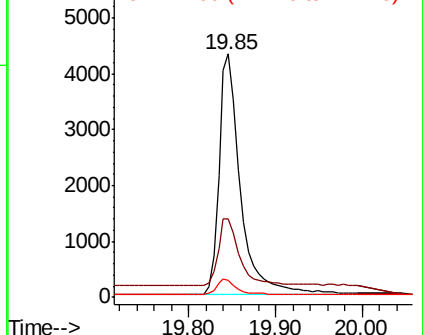
244 100

212 32.2 25.7 38.5

122 7.1 5.5 8.3



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: 0.413 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

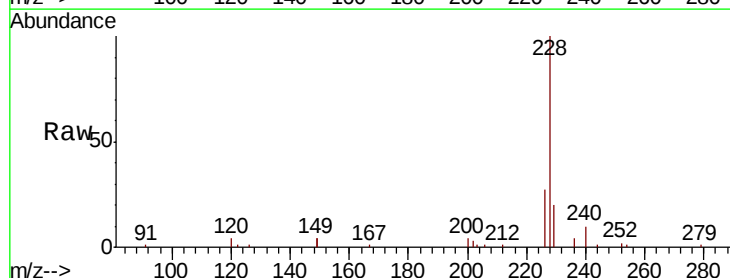
Tgt Ion:228 Resp: 13543

Ion Ratio Lower Upper

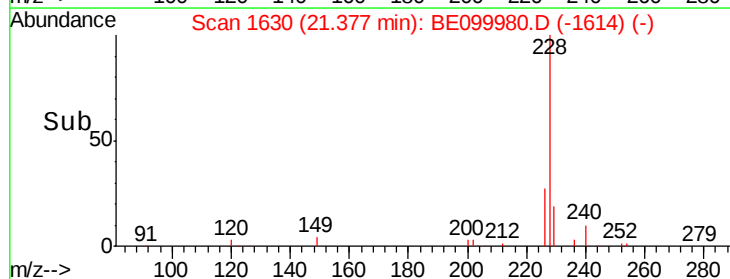
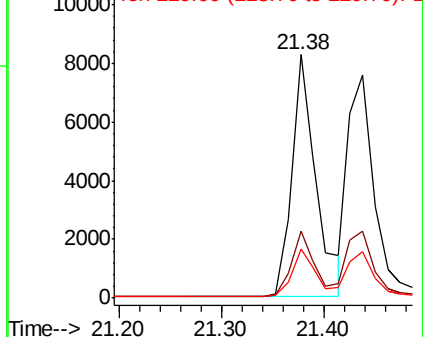
228 100

226 27.5 22.5 33.7

229 20.0 15.9 23.9



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: 0.388 ng

RT: 21.44 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

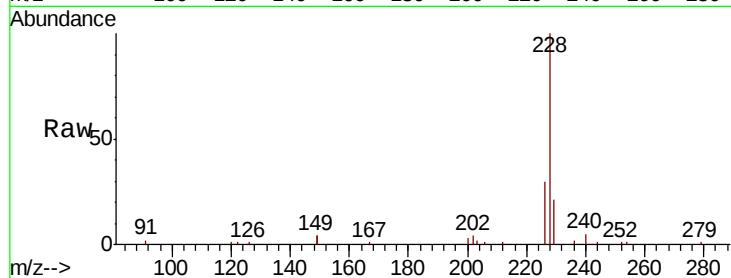
Tgt Ion:228 Resp: 13140

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

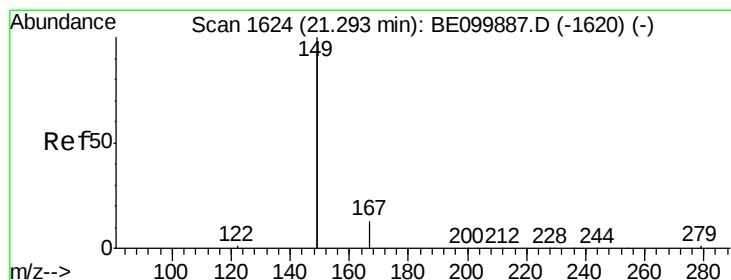
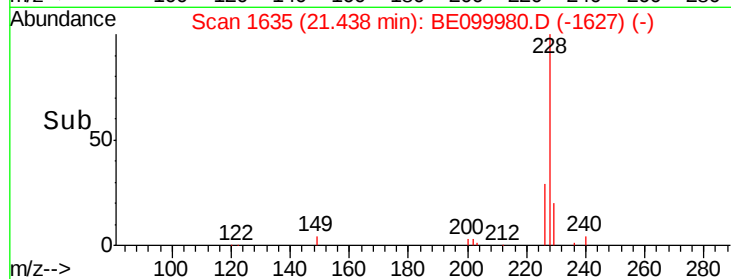
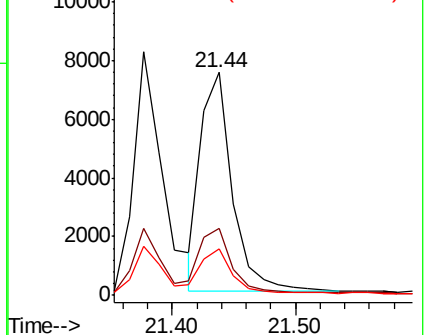
229 20.6 16.1 24.1



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: 0.336 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

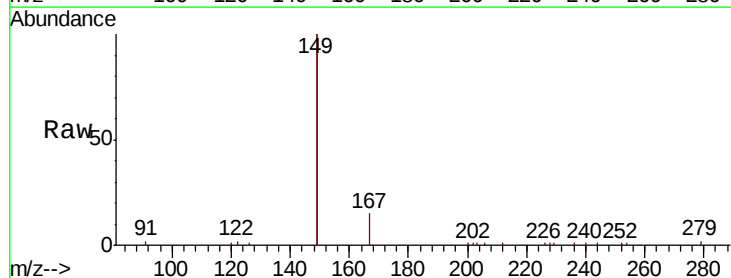
Tgt Ion:149 Resp: 15812

Ion Ratio Lower Upper

149 100

167 7.1 5.9 8.9

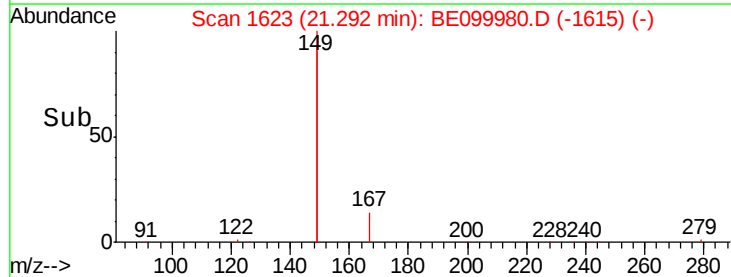
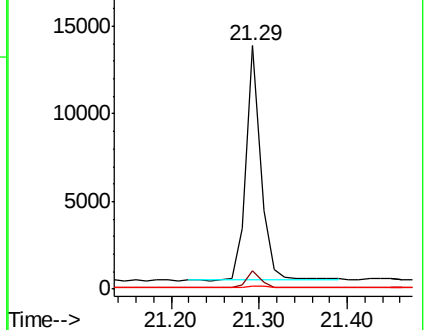
279 1.2 1.2 1.8

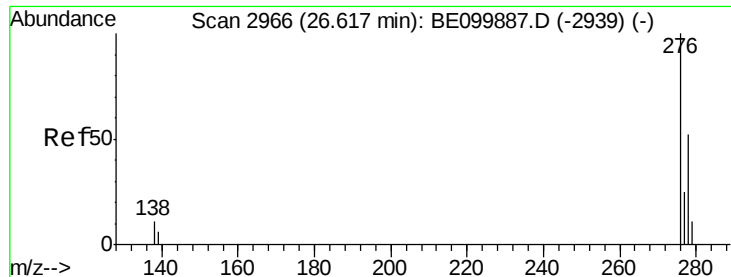


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.396 ng

RT: 26.61 min Scan# 2963

Delta R.T. -0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

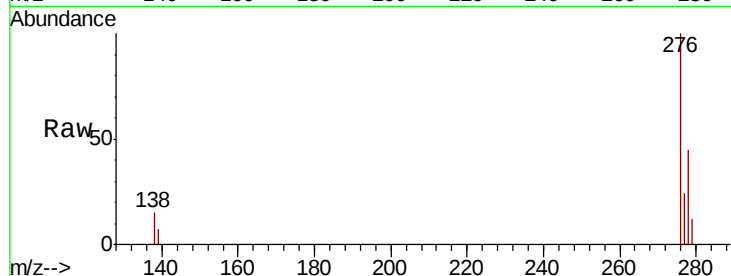
Tgt Ion:276 Resp: 15911

Ion Ratio Lower Upper

276 100

138 13.7 10.1 15.1

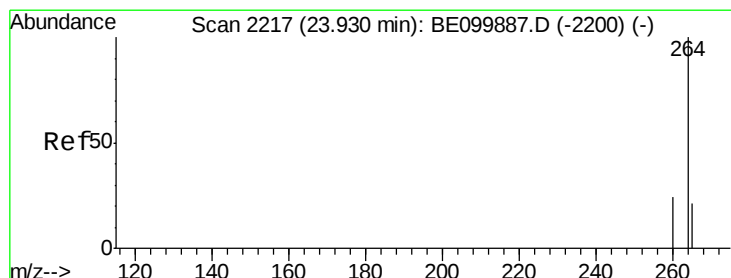
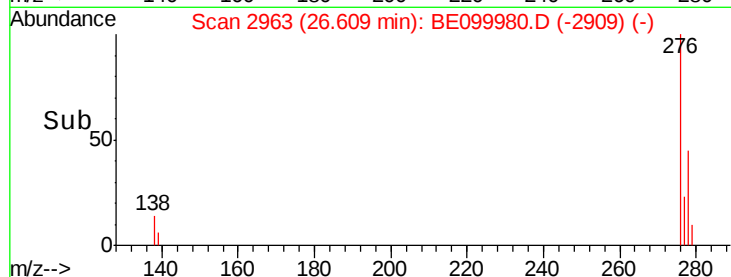
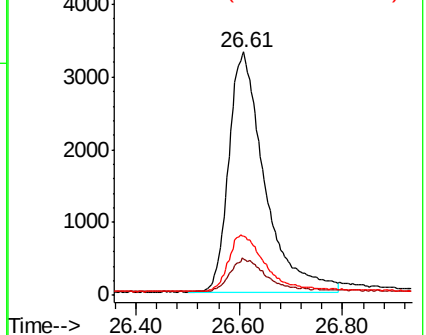
277 23.3 19.1 28.7



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: 23.93 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

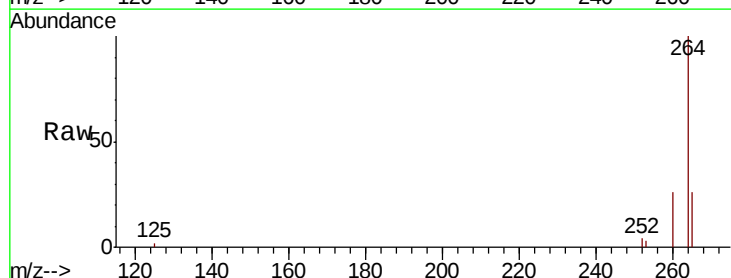
Tgt Ion:264 Resp: 12273

Ion Ratio Lower Upper

264 100

260 25.5 20.2 30.2

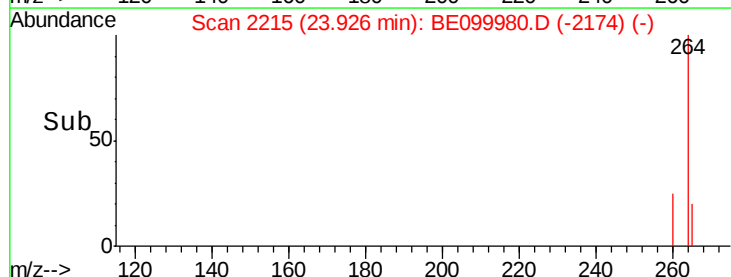
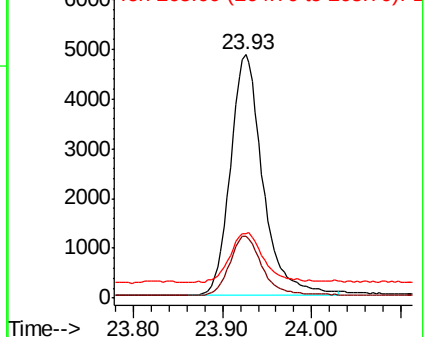
265 26.2 22.0 33.0



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

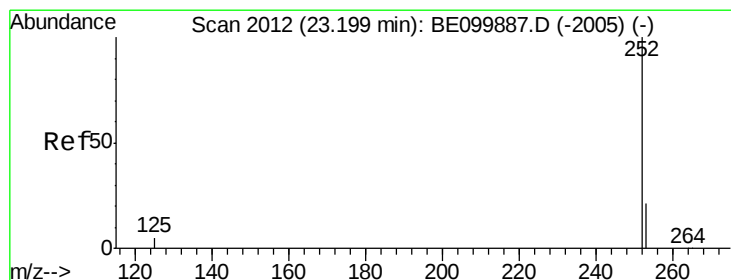
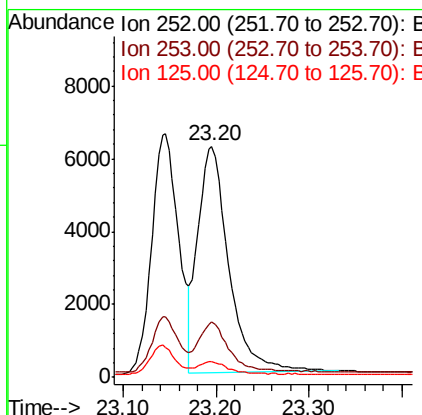
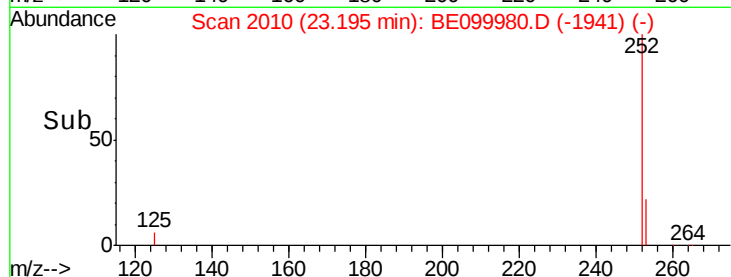
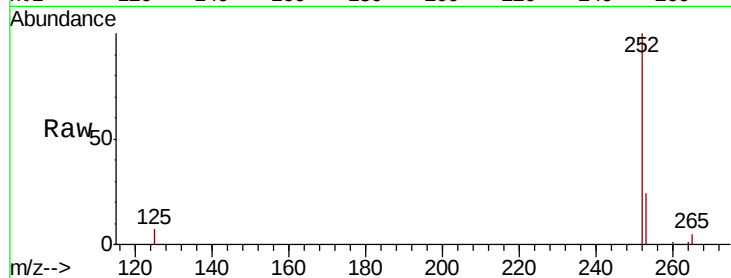




#35
Benzo(b)fluoranthene
Concen: 0.417 ng
RT: 23.20 min Scan# 2010
Delta R.T. 0.05 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

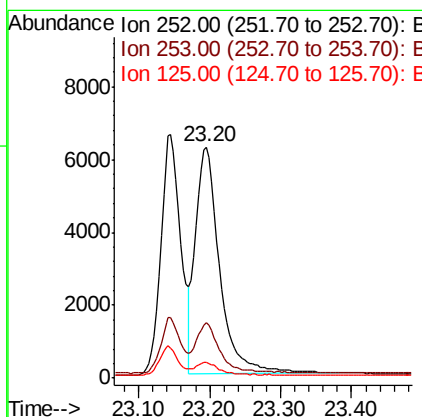
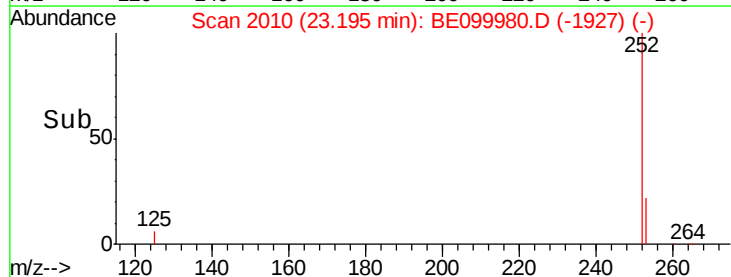
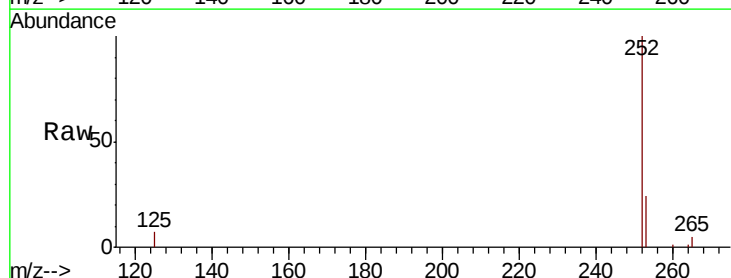
Instrument :
BNA_E
ClientSampleId :
PB120516BS

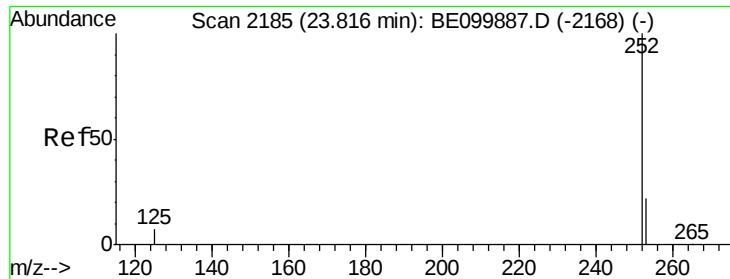
Tgt Ion:252 Resp: 14337
Ion Ratio Lower Upper
252 100
253 23.7 18.7 28.1
125 7.0 5.7 8.5



#36
Benzo(k)fluoranthene
Concen: 0.409 ng
RT: 23.20 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Tgt Ion:252 Resp: 14726
Ion Ratio Lower Upper
252 100
253 23.7 18.6 28.0
125 7.0 5.4 8.0





#37

Benzo(a)pyrene

Concen: 0.398 ng

RT: 23.81 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

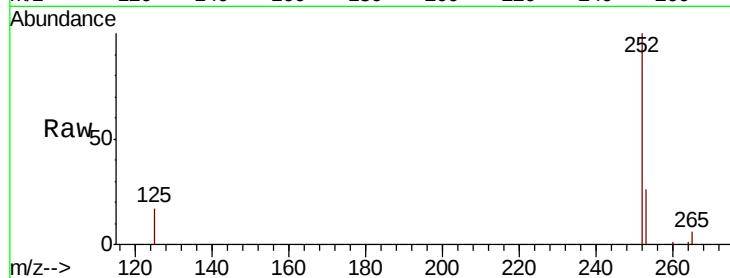
Tgt Ion:252 Resp: 13498

Ion Ratio Lower Upper

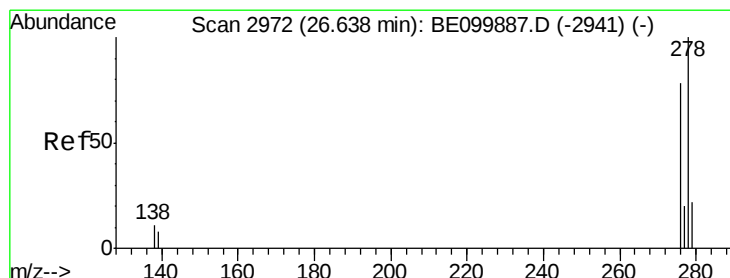
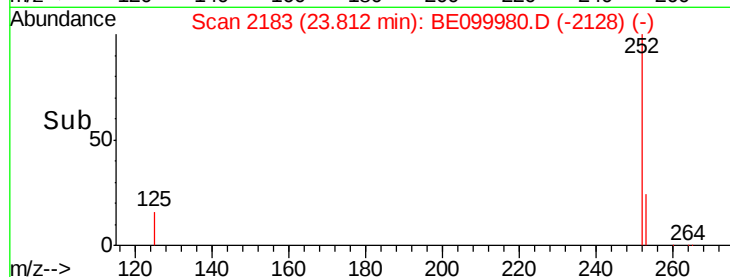
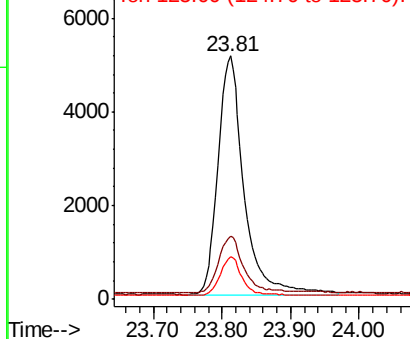
252 100

253 26.1 19.6 29.4

125 17.4 6.6 10.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.373 ng

RT: 26.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

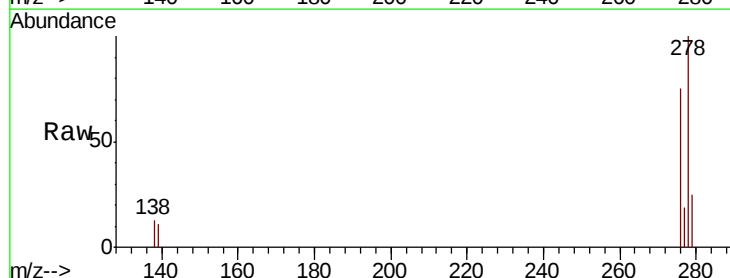
Tgt Ion:278 Resp: 12716

Ion Ratio Lower Upper

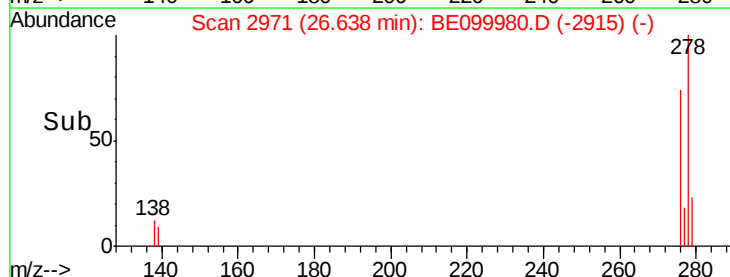
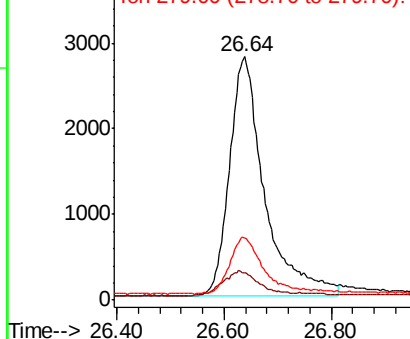
278 100

139 11.2 7.8 11.8

279 25.4 20.0 30.0



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(g,h,i)perylene

Concen: 0.387 ng

RT: 27.43 min Scan# 3193

Delta R.T. -0.00 min

Lab File: BE099980.D

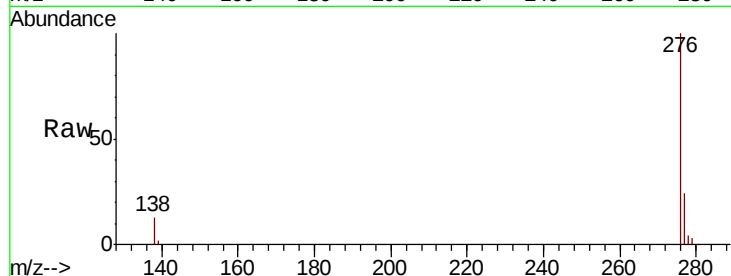
Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS



Tgt Ion: 276 Resp: 13661

Ion Ratio Lower Upper

276 100

277 24.1 19.5 29.3

138 13.1 9.5 14.3

