

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061119\
 Data File : BE099923.D
 Acq On : 11 Jun 2019 14:32
 Operator : JU/SJ
 Sample : PB120465BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120465BSD

Quant Time: Jun 12 03:43:07 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	872	0.40	ng	-0.01
7) Naphthalene-d8	10.58	136	3151	0.40	ng	-0.03
13) Acenaphthene-d10	14.44	164	2255	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	8387	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	12236	0.40	ng	-0.04
34) Perylene-d12	23.87	264	13553	0.40	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	768	0.33	ng	0.00
5) Phenol-d6	6.96	99	1026	0.34	ng	0.00
8) Nitrobenzene-d5	8.95	82	912	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.18	152	2530	0.46	ng	-0.03
14) 2,4,6-Tribromophenol	15.94	330	407	0.24	ng	-0.03
15) 2-Fluorobiphenyl	13.07	172	2827	0.33	ng	-0.03
25) Fluoranthene-d10	19.22	212	41656	0.34	ng	-0.03
29) Terphenyl-d14	19.82	244	8847	0.40	ng	-0.03

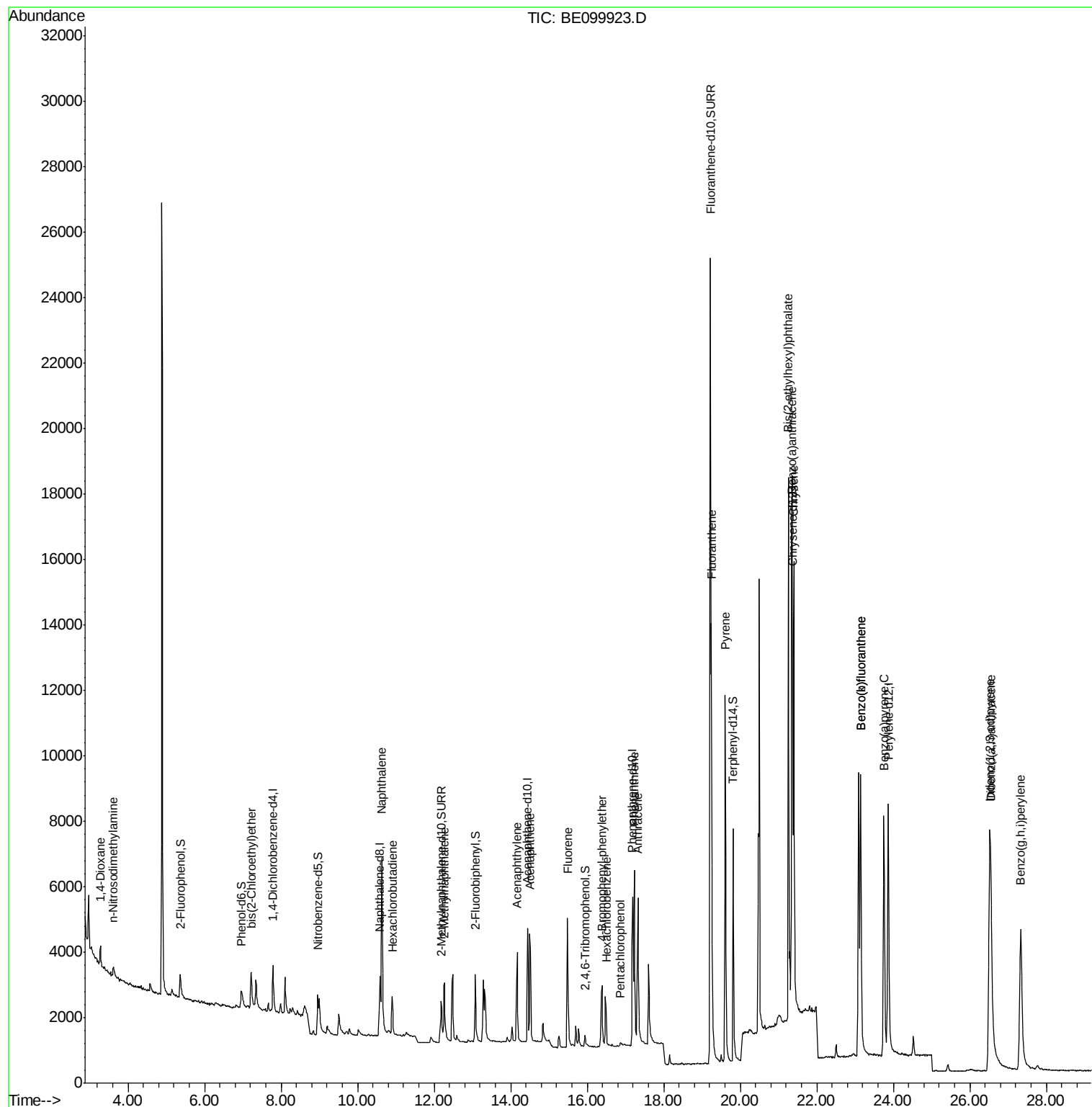
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	458	0.355	ng	# 60
3) n-Nitrosodimethylamine	3.61	42	189	0.254	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	766	0.309	ng	91
9) Naphthalene	10.63	128	11721	0.345	ng	99
10) Hexachlorobutadiene	10.90	225	904	0.348	ng	97
12) 2-Methylnaphthalene	12.27	142	1840	0.333	ng	98
16) Acenaphthylene	14.17	152	3779	0.337	ng	99
17) Acenaphthene	14.50	154	2044	0.335	ng	100
18) Fluorene	15.49	166	3257	0.355	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	1481	0.312	ng	93
21) Hexachlorobenzene	16.49	284	1524	0.314	ng	98
22) Pentachlorophenol	16.87	266	197	0.384	ng	97
23) Phenanthrene	17.23	178	6786	0.333	ng	100
24) Anthracene	17.32	178	6038	0.324	ng	99
26) Fluoranthene	19.25	202	12463	0.360	ng	100
28) Pyrene	19.61	202	12962	0.403	ng	99
30) Benzo(a)anthracene	21.34	228	14633	0.400	ng	99
31) Chrysene	21.40	228	14408	0.381	ng	99
32) Bis(2-ethylhexyl)phthalate	21.26	149	19849	0.378	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	16929	0.378	ng	98
35) Benzo(b)fluoranthene	23.14	252	15211	0.401	ng	98
36) Benzo(k)fluoranthene	23.14	252	15520	0.391	ng	98
37) Benzo(a)pyrene	23.75	252	14097	0.377	ng	# 92
38) Dibenzo(a,h)anthracene	26.55	278	13242	0.351	ng	98
39) Benzo(g,h,i)perylene	27.33	276	14591	0.375	ng	99

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

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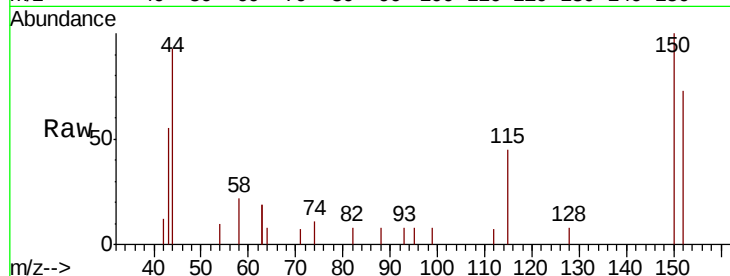


#1

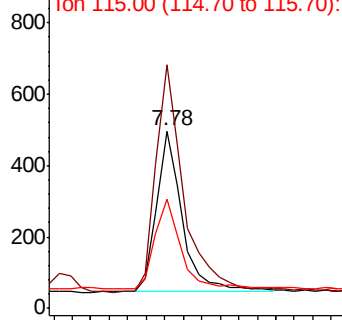
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE099923.D
Acq: 11 Jun 2019 14:32

Instrument :
BNA_E
ClientSampleId :
PB120465BSD

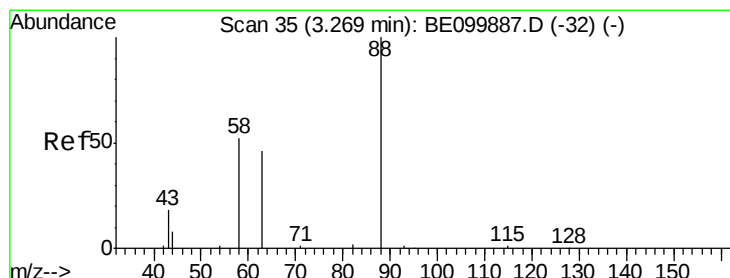
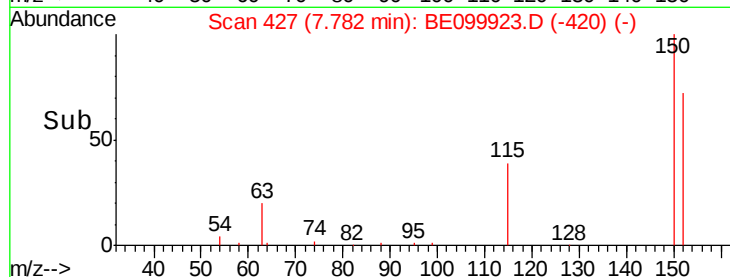
Tgt Ion: 152 Resp: 872
Ion Ratio Lower Upper
152 100
150 136.9 111.0 166.6
115 61.6 50.7 76.1



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



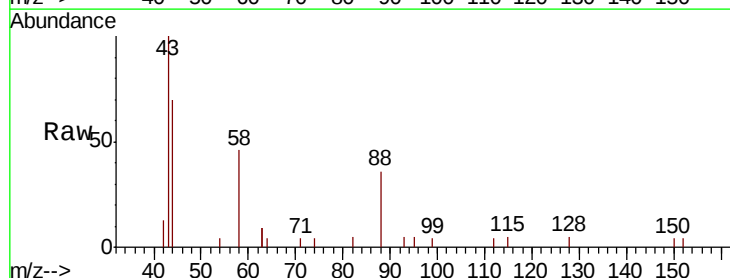
Time-->



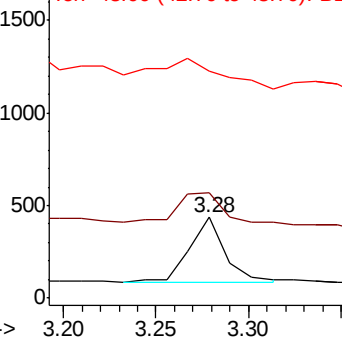
#2

1,4-Dioxane
Concen: 0.355 ng
RT: 3.28 min Scan# 36
Delta R.T. 0.01 min
Lab File: BE099923.D
Acq: 11 Jun 2019 14:32

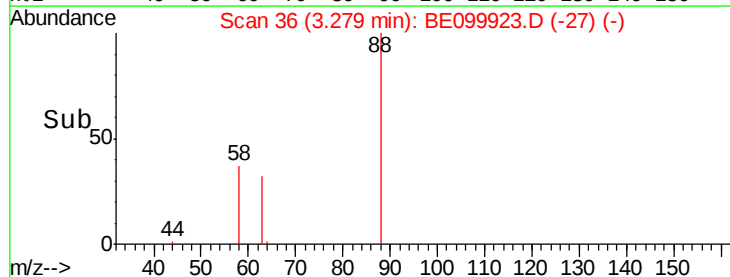
Tgt Ion: 88 Resp: 458
Ion Ratio Lower Upper
88 100
58 57.2 48.8 73.2
43 87.1 19.0 28.6#



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



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.254 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

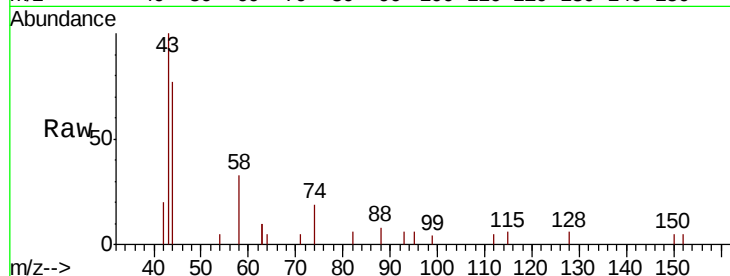
Tgt Ion: 42 Resp: 189

Ion Ratio Lower Upper

42 100

74 189.9 0.0 0.0#

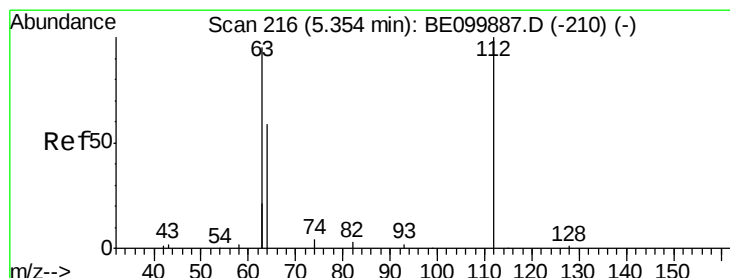
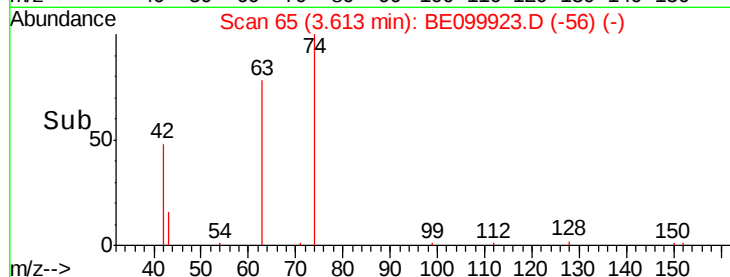
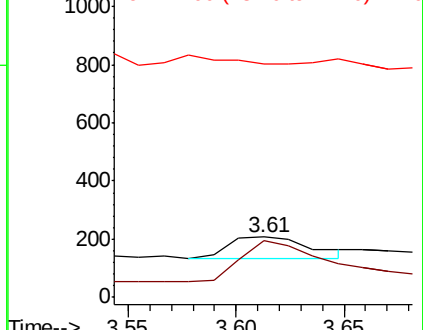
44 0.0 0.0 0.0



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: 0.326 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

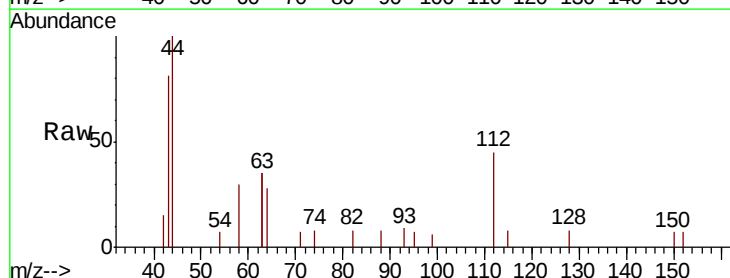
Tgt Ion: 112 Resp: 768

Ion Ratio Lower Upper

112 100

64 55.3 44.1 66.1

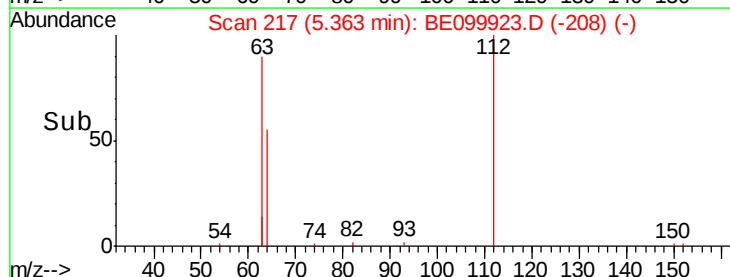
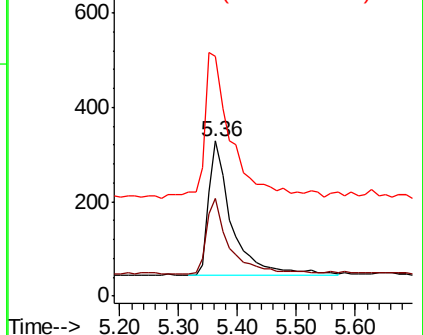
63 125.1 87.8 131.6



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: 0.338 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

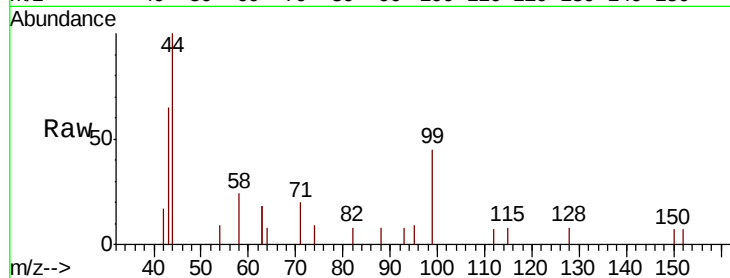
Tgt Ion: 99 Resp: 1026

Ion Ratio Lower Upper

99 100

42 11.1 15.9 23.9#

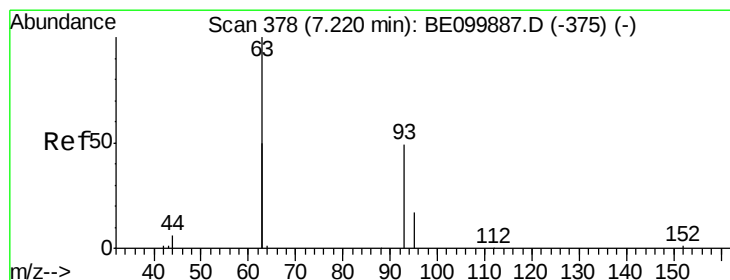
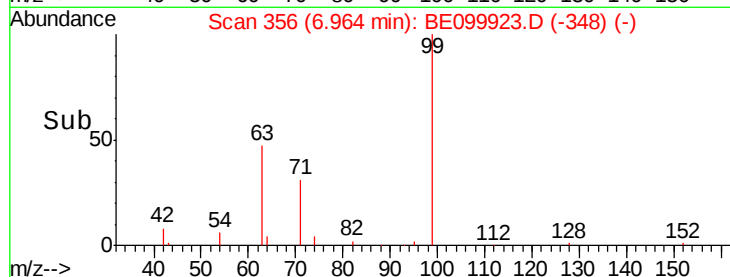
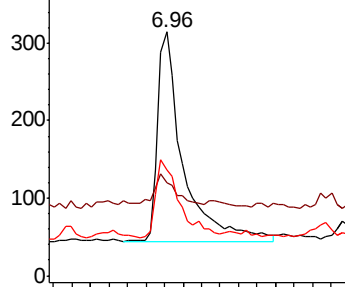
71 34.7 34.6 52.0



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: 0.309 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

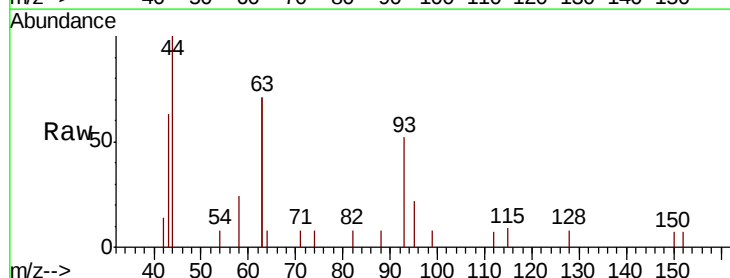
Tgt Ion: 93 Resp: 766

Ion Ratio Lower Upper

93 100

63 269.1 202.8 304.2

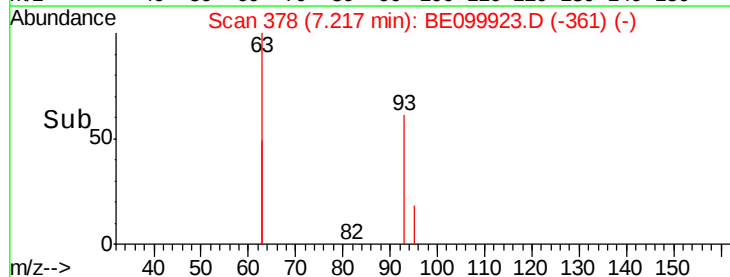
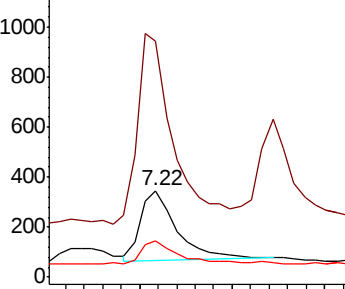
95 34.6 23.7 35.5



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: 10.58 min Scan# 647

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 3151

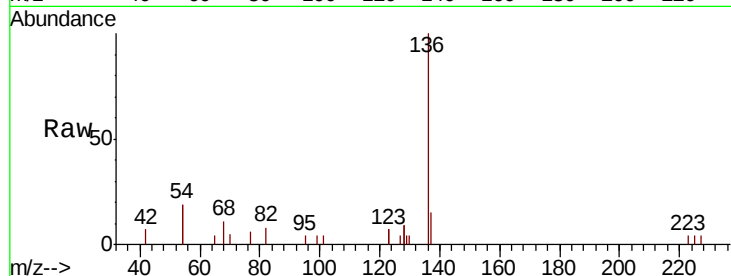
Ion Ratio Lower Upper

136 100

137 14.6 12.3 18.5

54 39.0 28.2 42.4

68 11.0 7.8 11.8

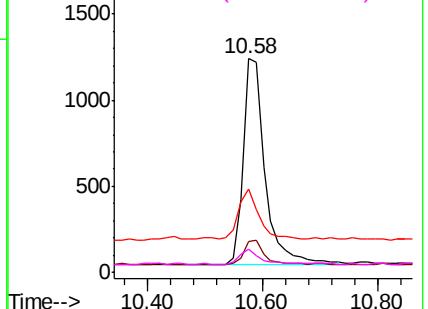
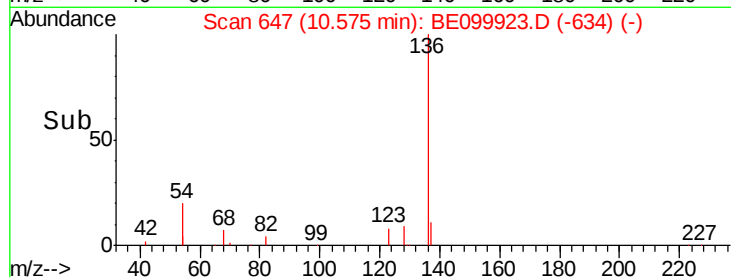


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.306 ng

RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

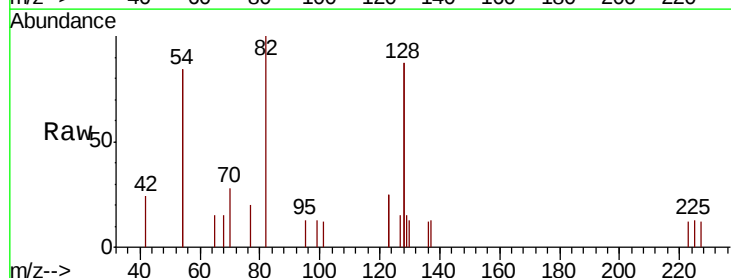
Tgt Ion: 82 Resp: 912

Ion Ratio Lower Upper

82 100

128 174.4 137.3 205.9

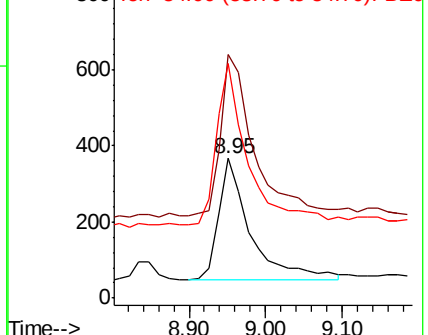
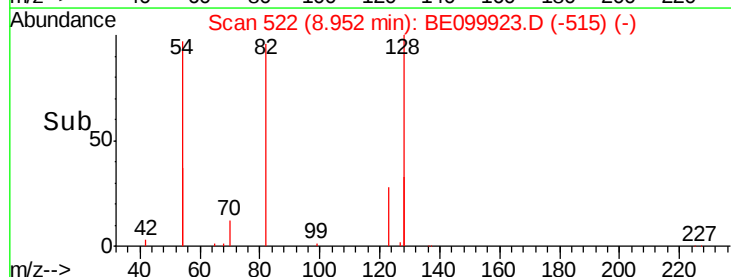
54 168.4 129.7 194.5

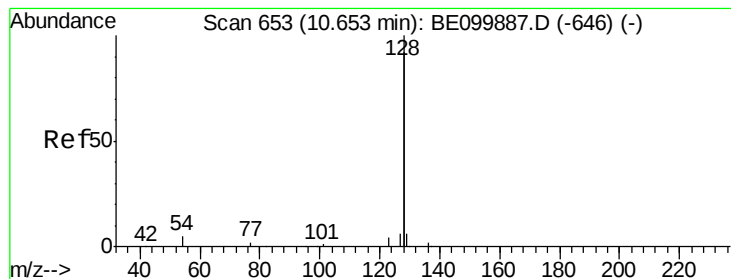


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.345 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

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ClientSampleId :

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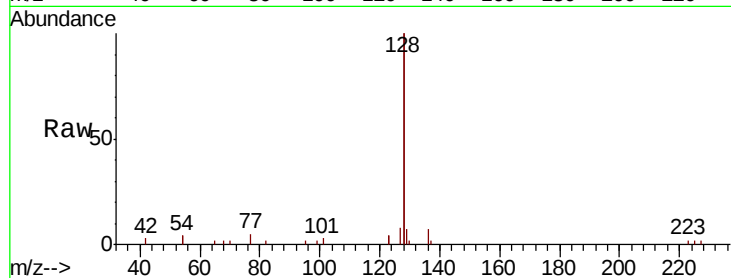
Tgt Ion:128 Resp: 11721

Ion Ratio Lower Upper

128 100

129 3.4 3.0 4.6

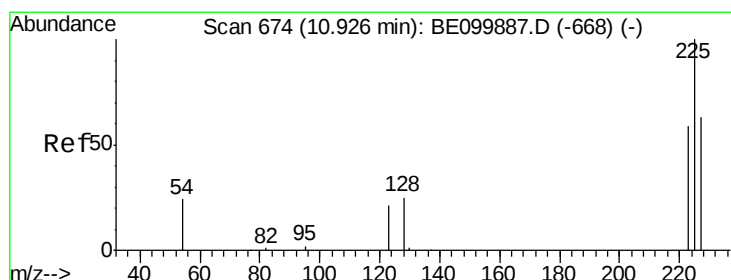
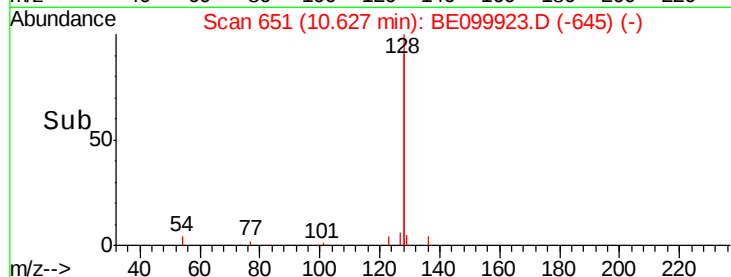
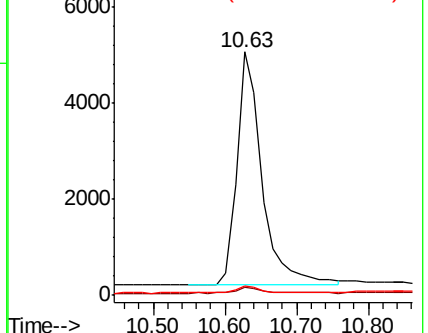
127 4.0 3.4 5.0



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: 0.348 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

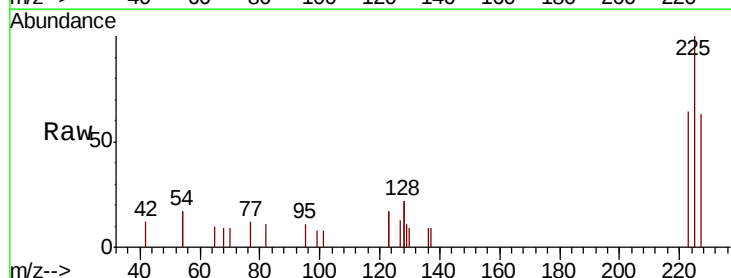
Tgt Ion:225 Resp: 904

Ion Ratio Lower Upper

225 100

223 61.2 51.6 77.4

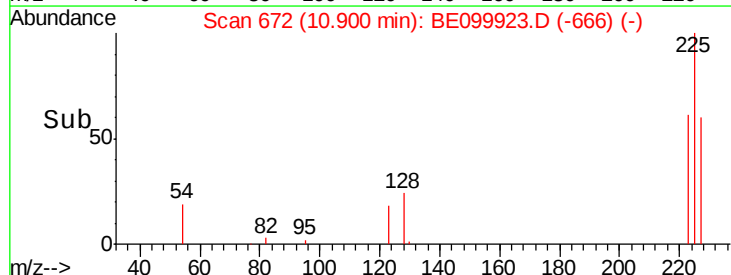
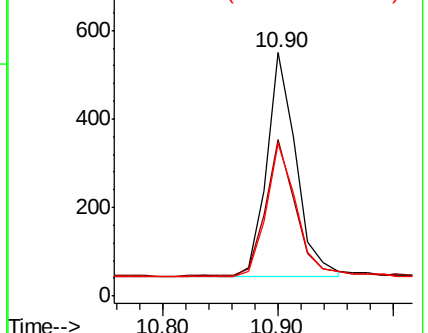
227 61.6 50.6 76.0



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: 0.460 ng

RT: 12.18 min Scan# 761

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

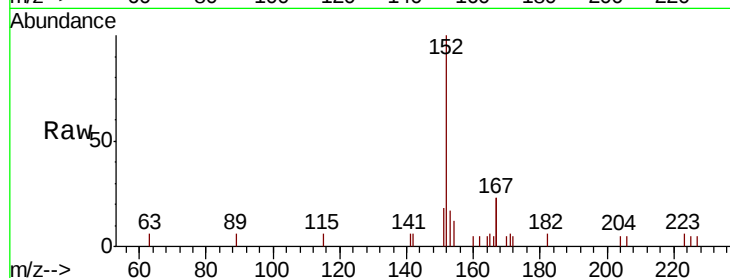
PB120465BSD

Tgt Ion:152 Resp: 2530

Ion Ratio Lower Upper

152 100

151 14.0 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.18

800

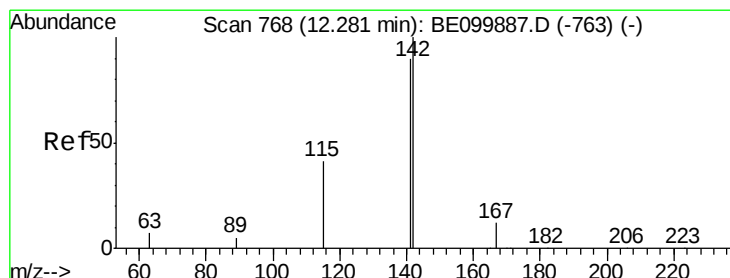
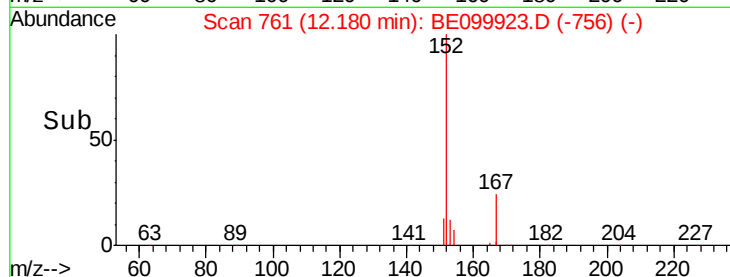
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.333 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.01 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

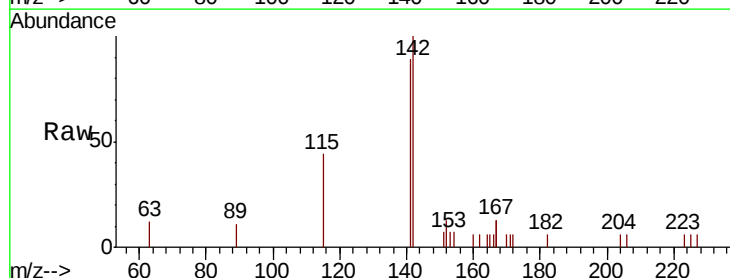
Tgt Ion:142 Resp: 1840

Ion Ratio Lower Upper

142 100

141 88.7 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

12.27

1000

800

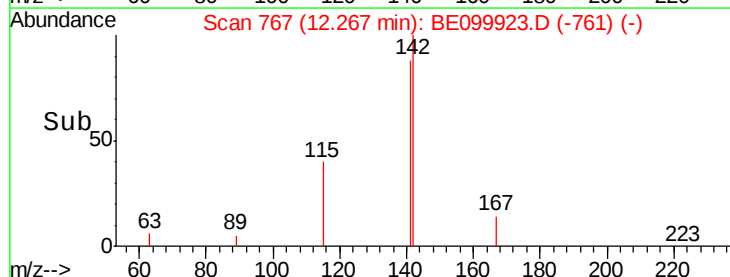
600

400

200

0

Time-->

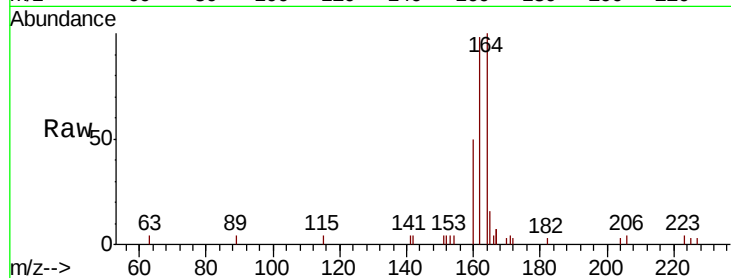




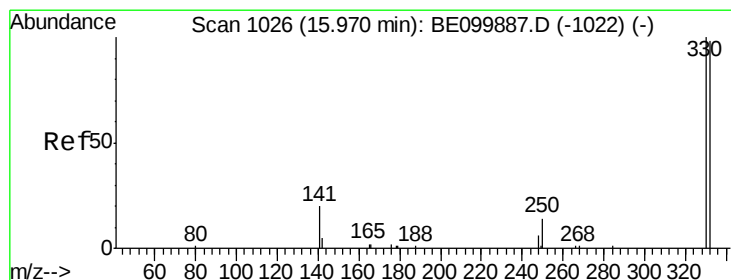
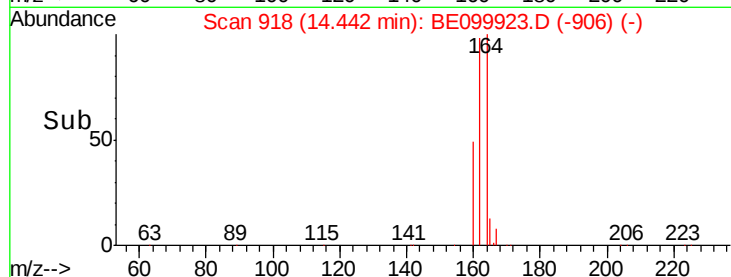
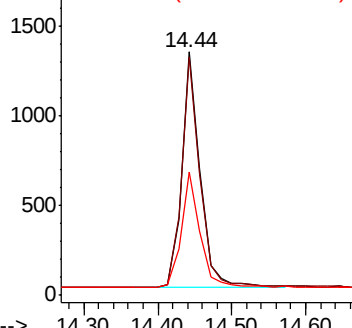
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.44 min Scan# 918
 Delta R.T. -0.03 min
 Lab File: BE099923.D
 Acq: 11 Jun 2019 14:32

Instrument :
 BNA_E
 ClientSampleId :
 PB120465BSD

Tgt Ion:164 Resp: 2255
 Ion Ratio Lower Upper
 164 100
 162 98.1 77.8 116.8
 160 50.5 38.2 57.4

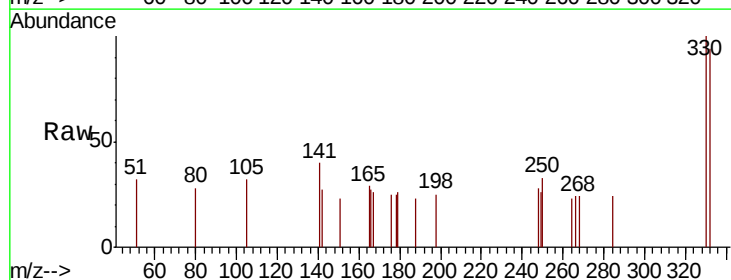


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

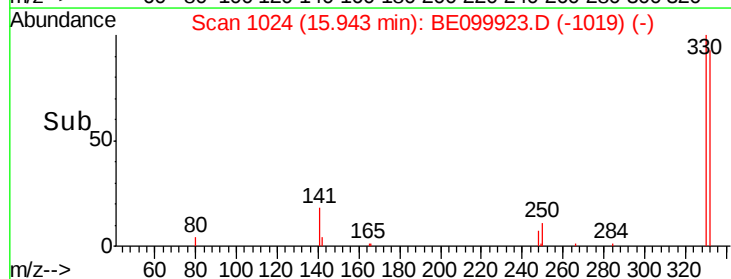
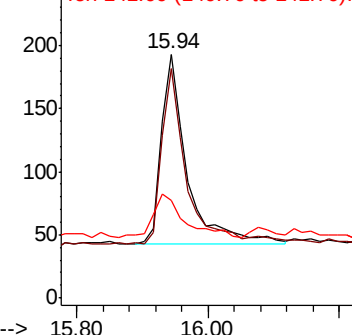


#14
 2,4,6-Tribromophenol
 Concen: 0.244 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BE099923.D
 Acq: 11 Jun 2019 14:32

Tgt Ion:330 Resp: 407
 Ion Ratio Lower Upper
 330 100
 332 86.5 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

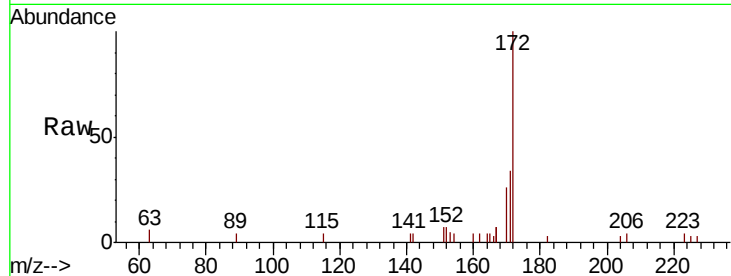




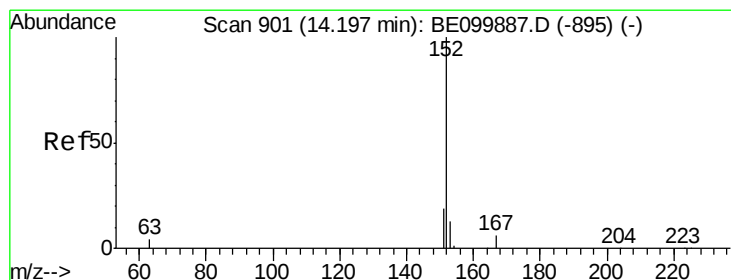
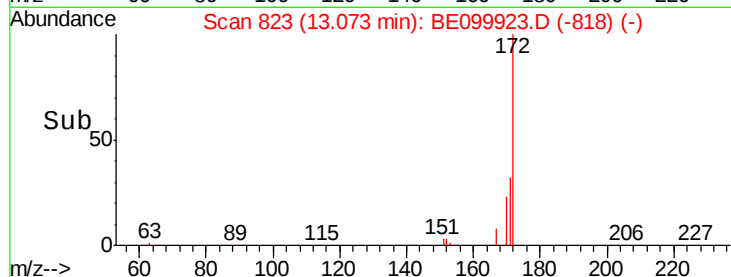
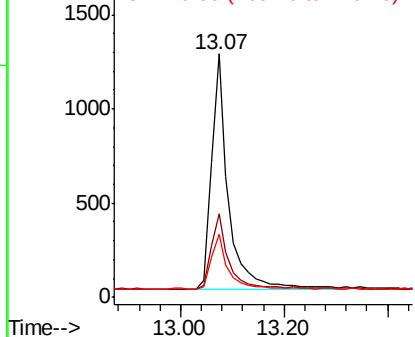
#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.03 min
Lab File: BE099923.D
Acq: 11 Jun 2019 14:32

Instrument :
BNA_E
ClientSampleId :
PB120465BSD

Tgt Ion:172 Resp: 2827
Ion Ratio Lower Upper
172 100
171 34.2 29.2 43.8
170 25.9 21.2 31.8

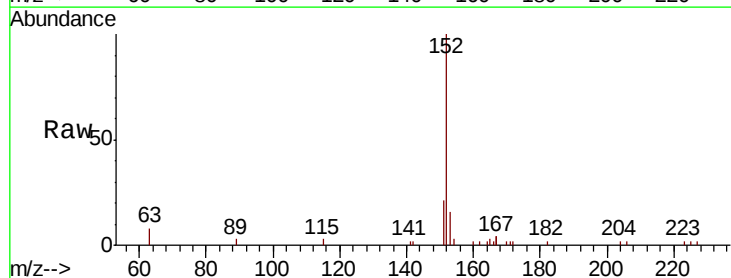


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

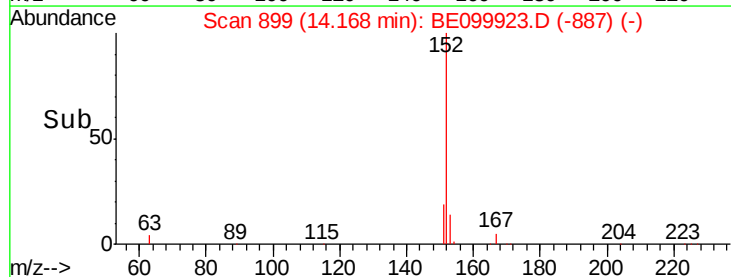
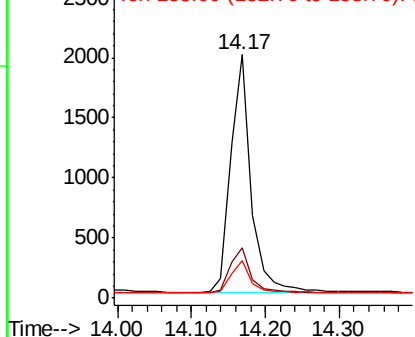


#16
Acenaphthylene
Concen: 0.337 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.03 min
Lab File: BE099923.D
Acq: 11 Jun 2019 14:32

Tgt Ion:152 Resp: 3779
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.1 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: 0.335 ng

RT: 14.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

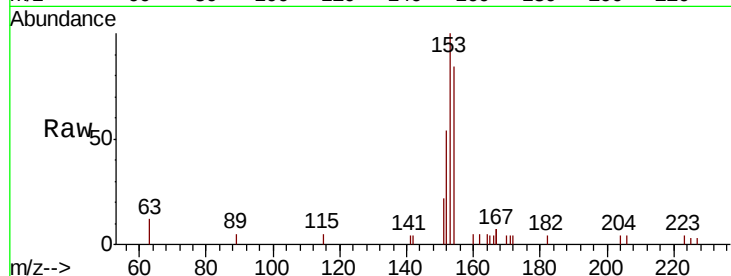
Tgt Ion:154 Resp: 2044

Ion Ratio Lower Upper

154 100

153 116.3 93.1 139.7

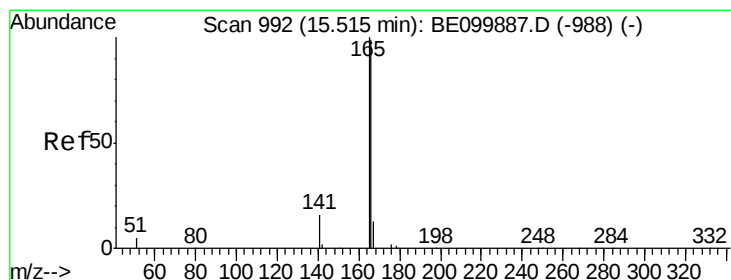
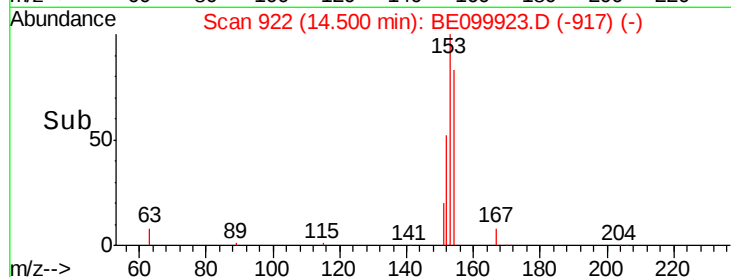
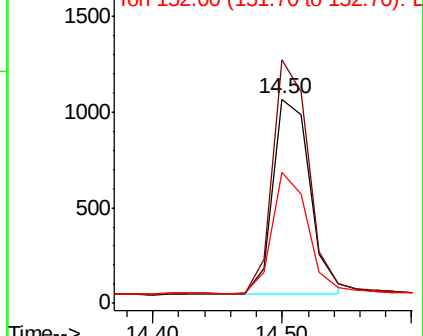
152 59.6 47.0 70.4



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: 0.355 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

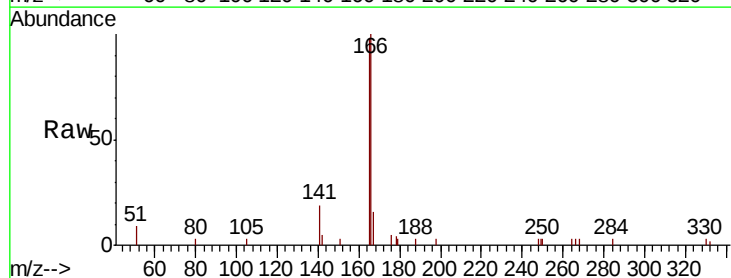
Tgt Ion:166 Resp: 3257

Ion Ratio Lower Upper

166 100

165 100.6 81.8 122.8

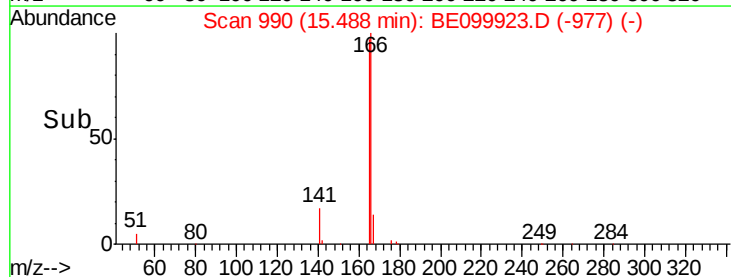
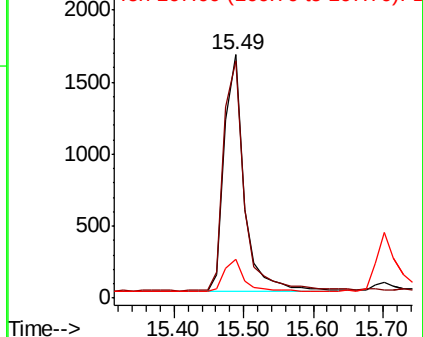
167 13.5 11.2 16.8

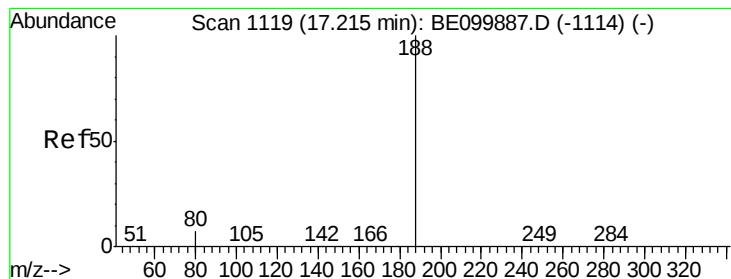


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

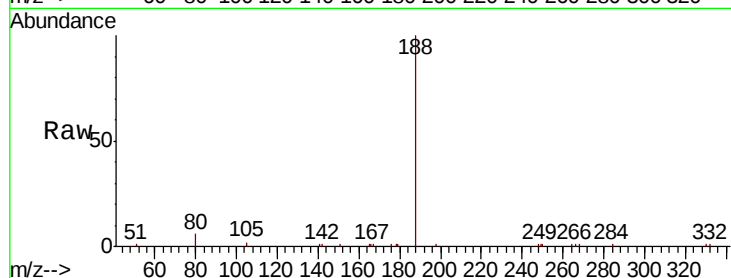
Tgt Ion:188 Resp: 8387

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

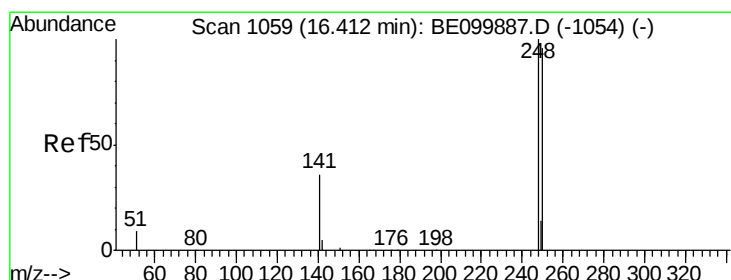
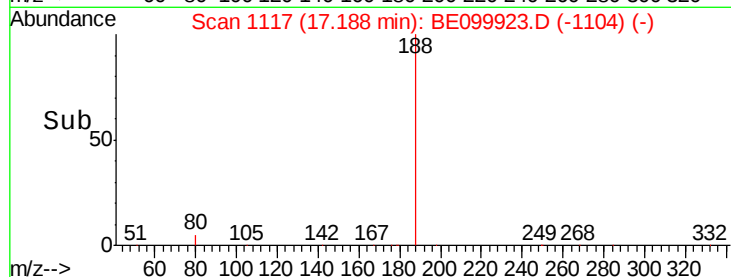
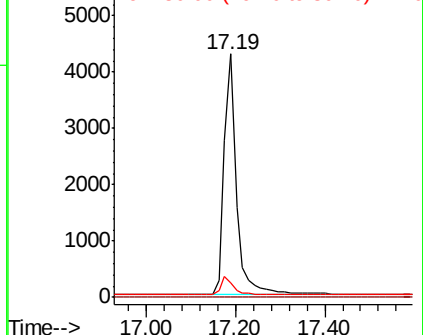
80 6.2 6.4 9.6#



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: 0.312 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

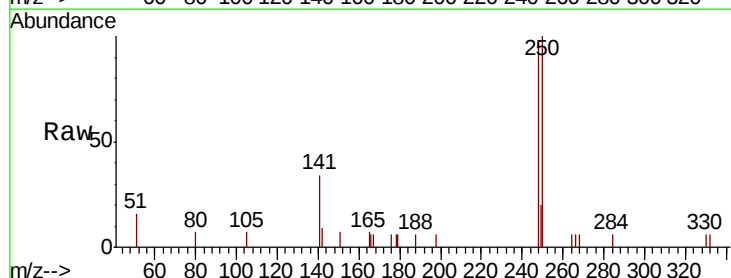
Tgt Ion:248 Resp: 1481

Ion Ratio Lower Upper

248 100

250 103.3 77.5 116.3

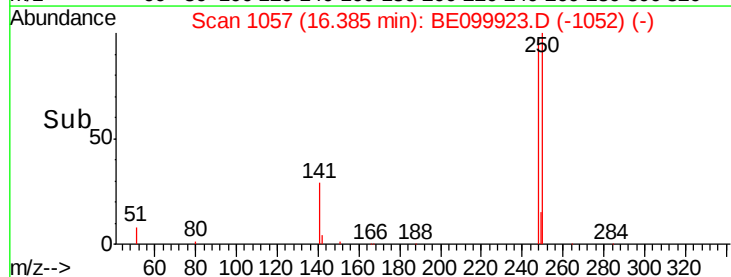
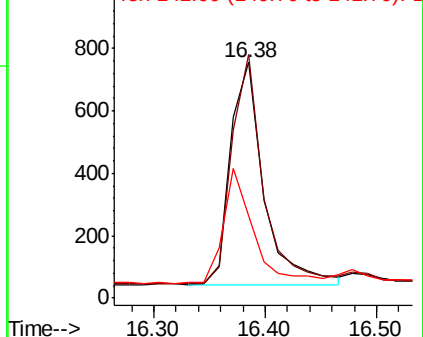
141 34.9 31.8 47.8

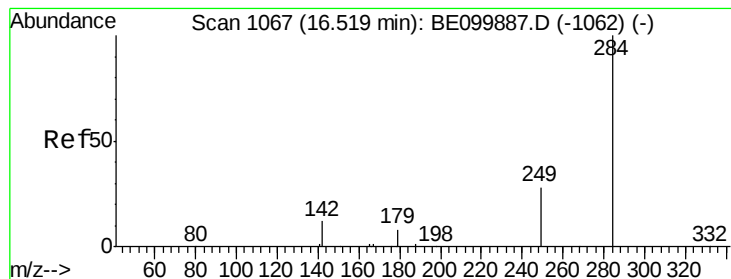


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.314 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

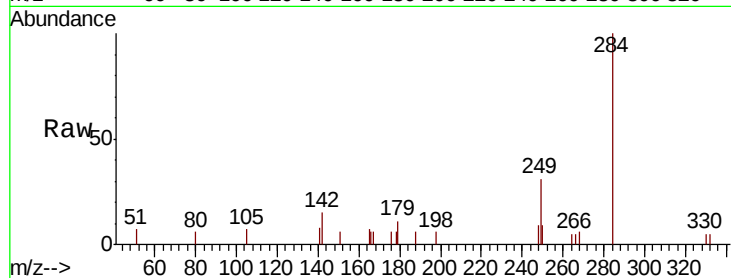
Tgt Ion:284 Resp: 1524

Ion Ratio Lower Upper

284 100

142 24.1 18.2 27.4

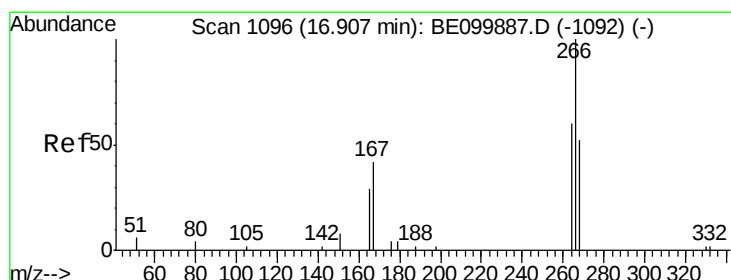
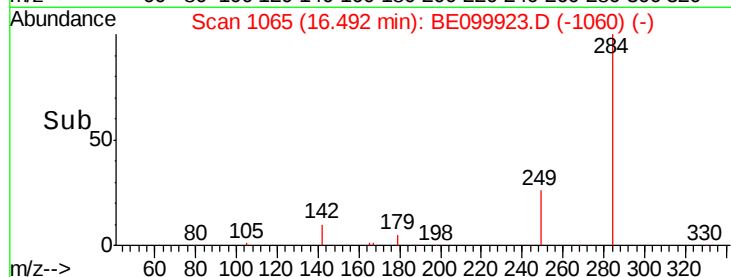
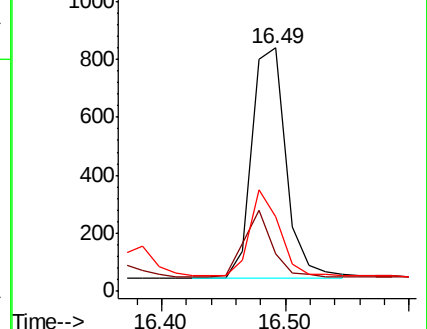
249 31.7 24.6 37.0



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: 0.384 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

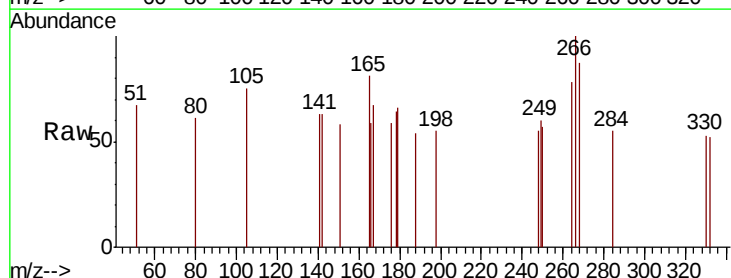
Tgt Ion:266 Resp: 197

Ion Ratio Lower Upper

266 100

264 78.3 62.2 93.2

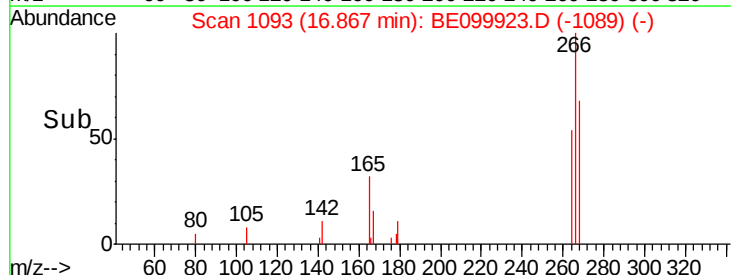
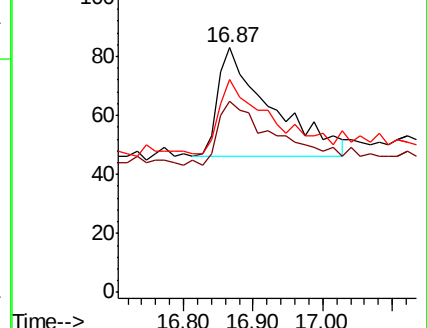
268 86.7 65.5 98.3



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: 0.333 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

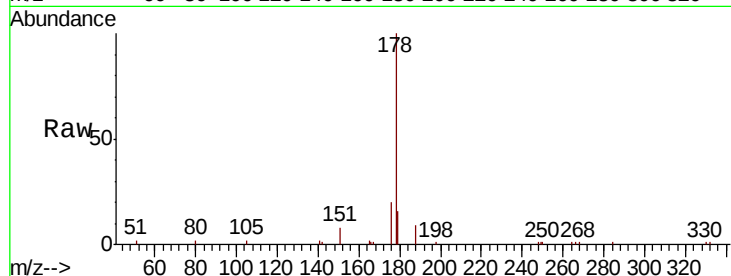
Tgt Ion:178 Resp: 6786

Ion Ratio Lower Upper

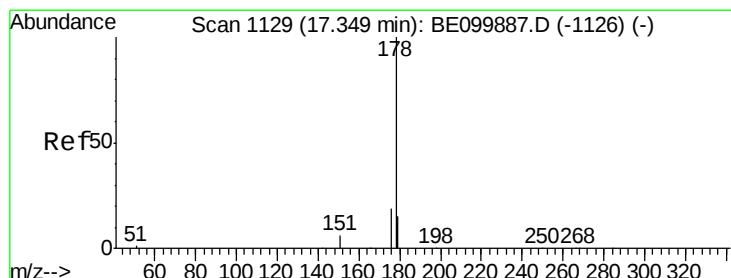
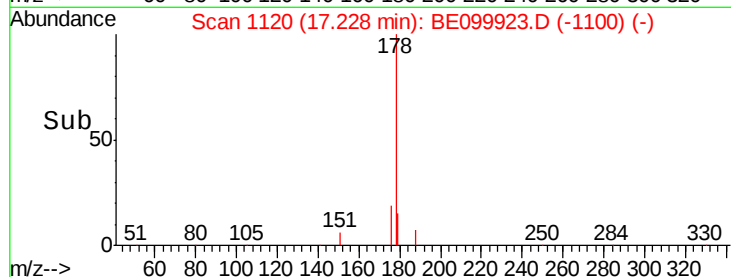
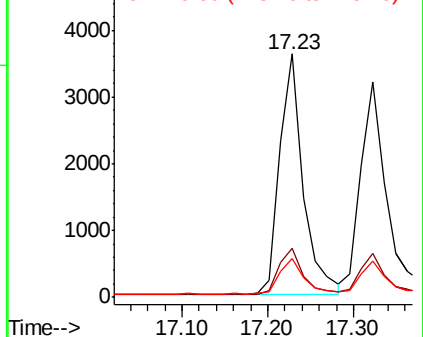
178 100

176 19.8 15.8 23.8

179 15.6 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.324 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

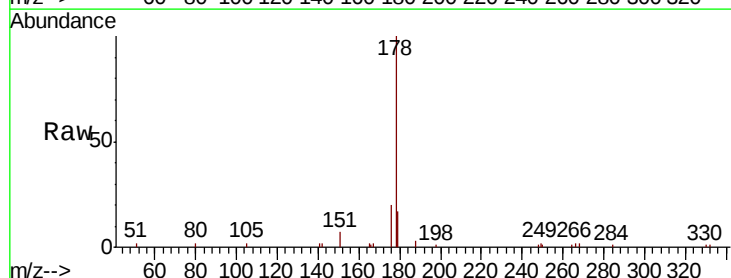
Tgt Ion:178 Resp: 6038

Ion Ratio Lower Upper

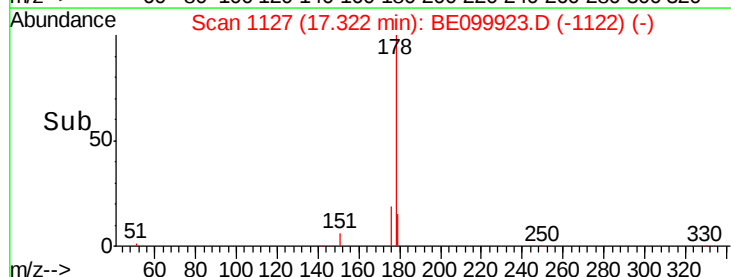
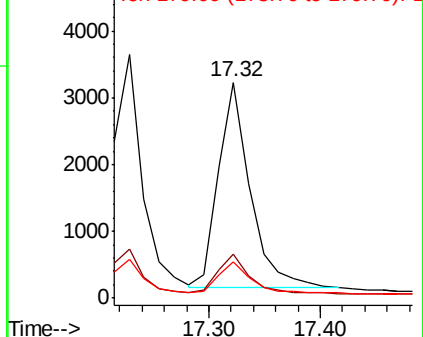
178 100

176 19.1 14.6 22.0

179 15.2 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: 0.341 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

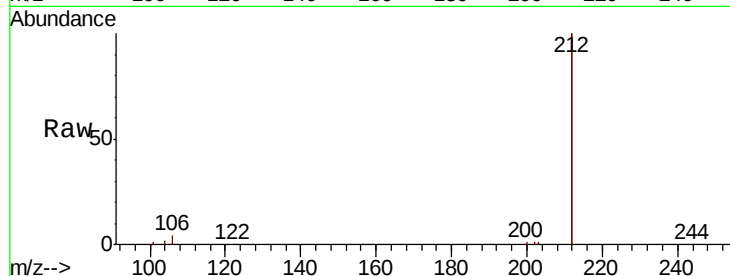
Tgt Ion:212 Resp: 41656

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

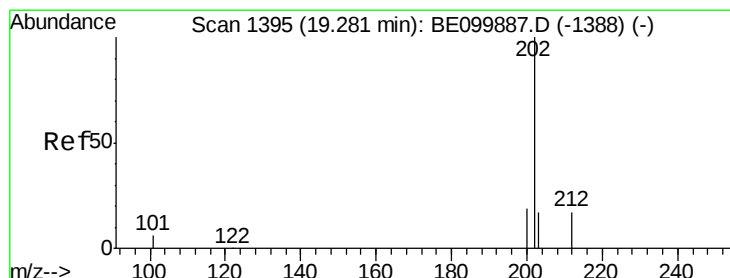
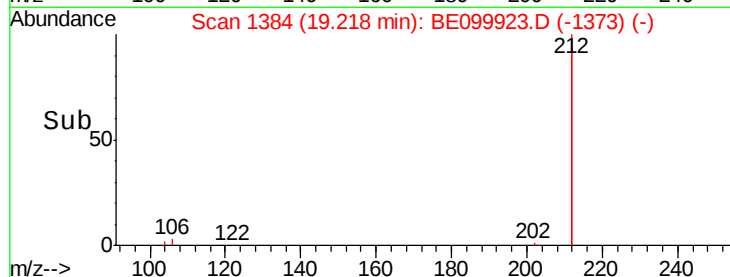
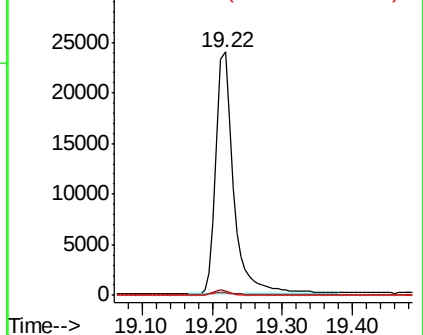
104 1.0 0.9 1.3



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: 0.360 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

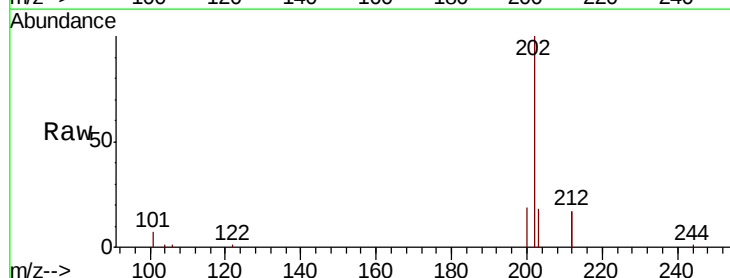
Tgt Ion:202 Resp: 12463

Ion Ratio Lower Upper

202 100

101 6.6 5.4 8.0

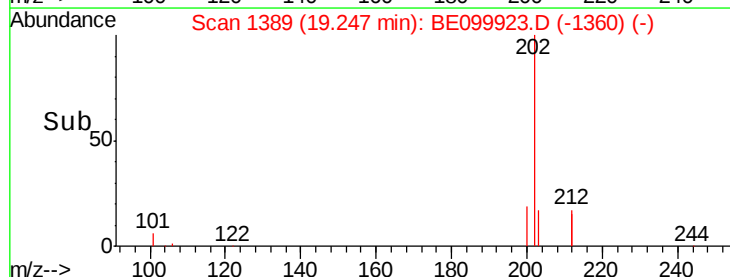
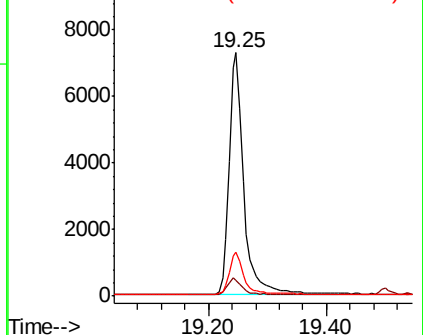
203 16.5 13.2 19.8



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: 21.37 min Scan# 1630

Delta R.T. -0.04 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

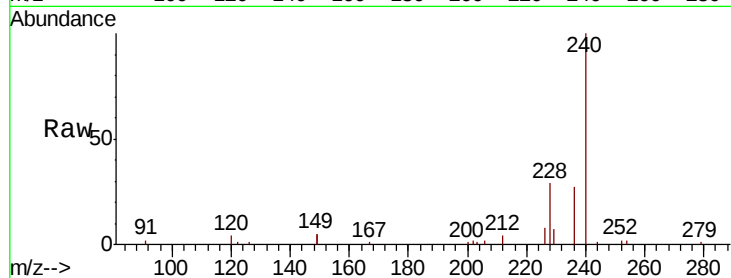
Tgt Ion:240 Resp: 12236

Ion Ratio Lower Upper

240 100

120 4.0 3.8 5.6

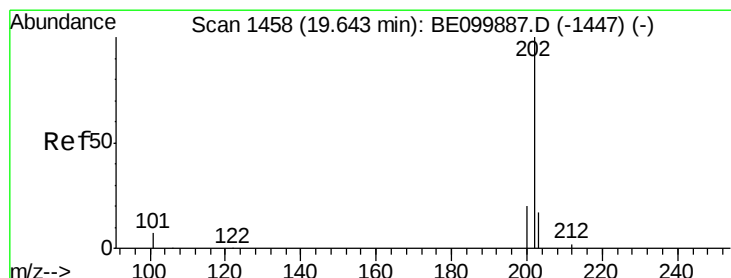
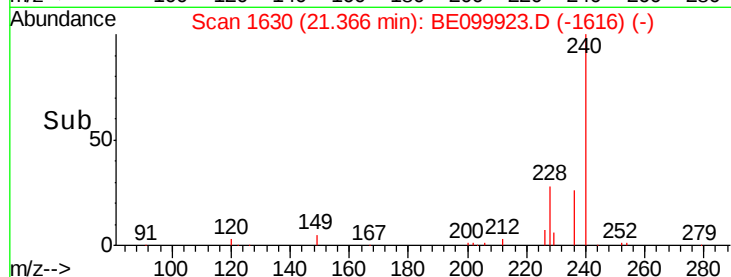
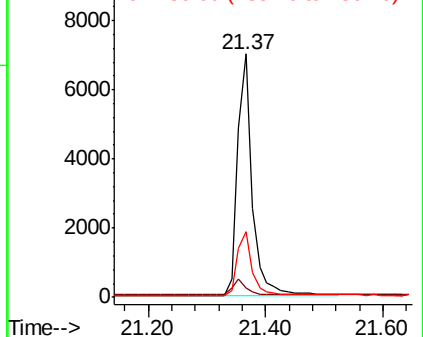
236 26.9 22.0 33.0



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: 0.403 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

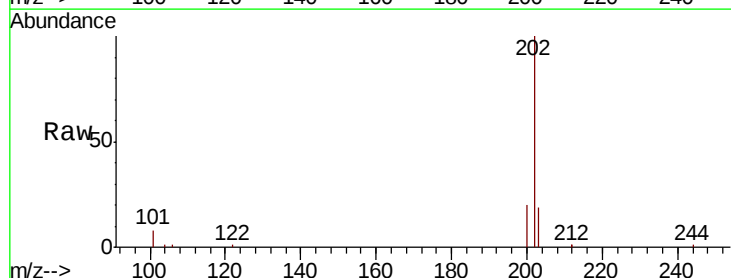
Tgt Ion:202 Resp: 12962

Ion Ratio Lower Upper

202 100

200 19.5 15.5 23.3

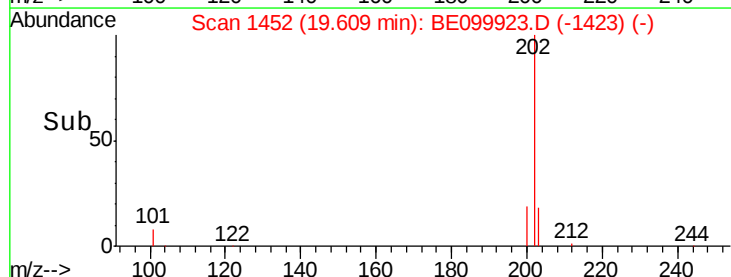
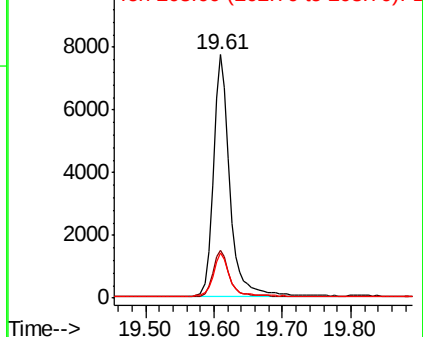
203 18.1 14.0 21.0

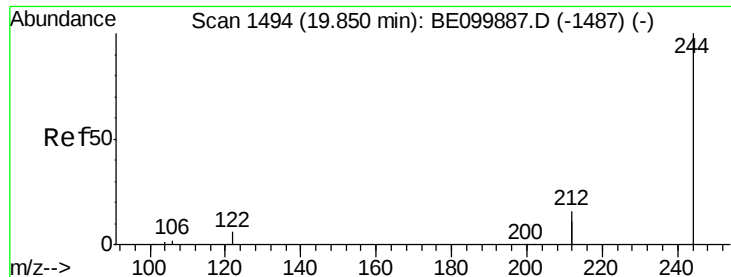


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.402 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.03 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

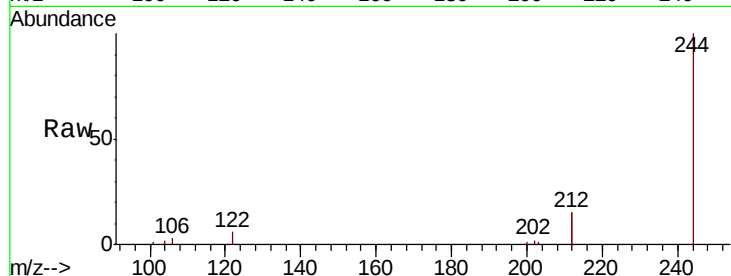
Tgt Ion:244 Resp: 8847

Ion Ratio Lower Upper

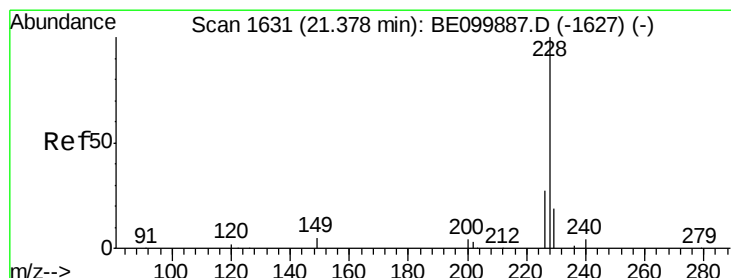
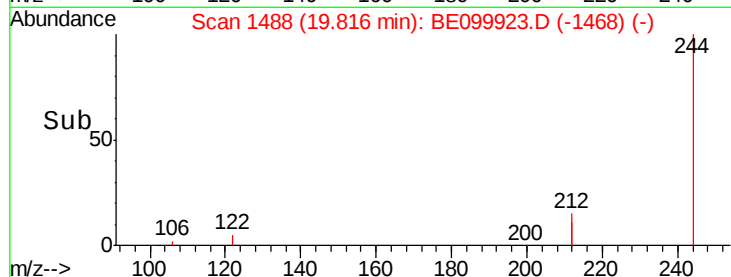
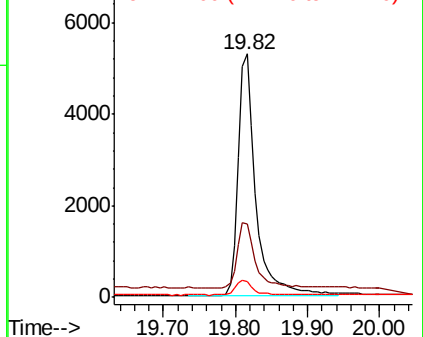
244 100

212 30.2 25.7 38.5

122 6.4 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: 0.400 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.04 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

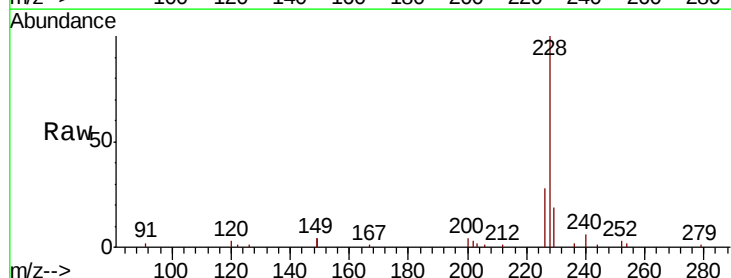
Tgt Ion:228 Resp: 14633

Ion Ratio Lower Upper

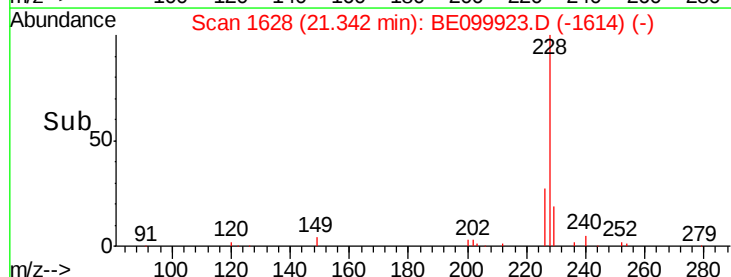
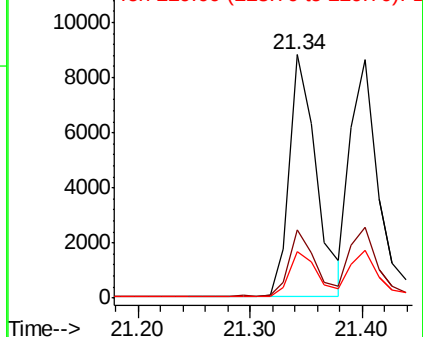
228 100

226 27.9 22.5 33.7

229 19.3 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: 0.381 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.04 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

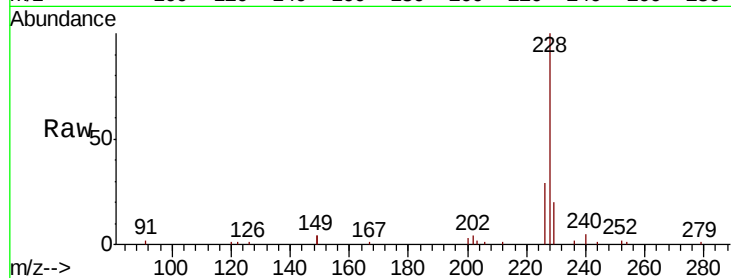
Tgt Ion: 228 Resp: 14408

Ion Ratio Lower Upper

228 100

226 29.4 24.1 36.1

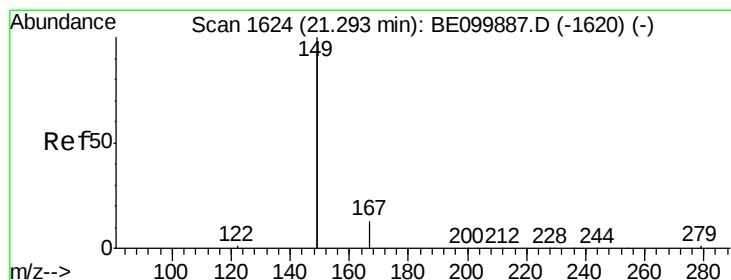
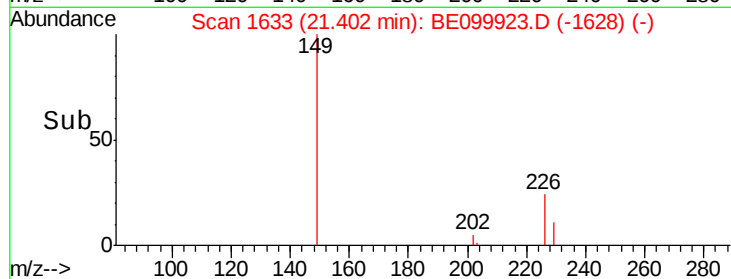
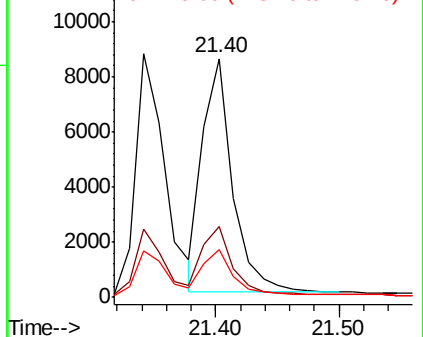
229 20.1 16.1 24.1



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: 0.378 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

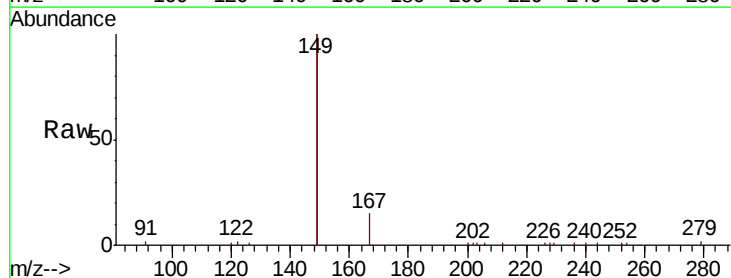
Tgt Ion: 149 Resp: 19849

Ion Ratio Lower Upper

149 100

167 7.2 5.9 8.9

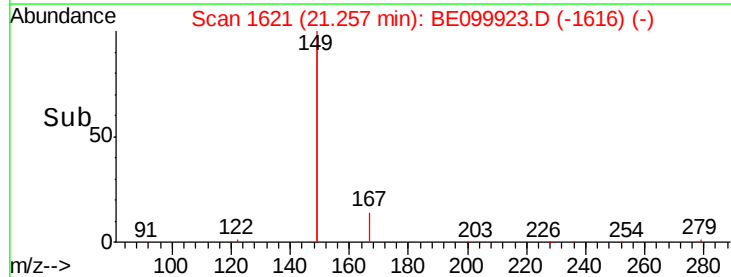
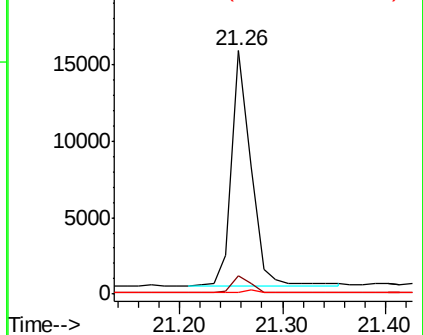
279 1.4 1.2 1.8



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: 0.378 ng

RT: 26.51 min Scan# 2937

Delta R.T. -0.10 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

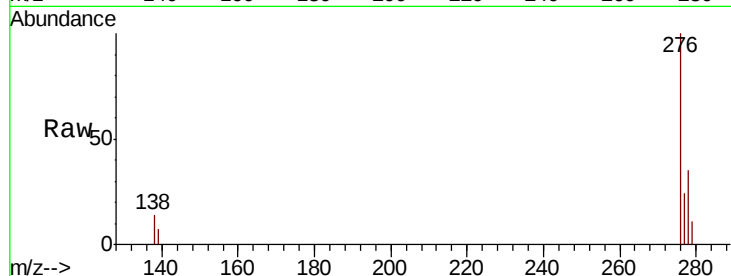
Tgt Ion:276 Resp: 16929

Ion Ratio Lower Upper

276 100

138 13.7 10.1 15.1

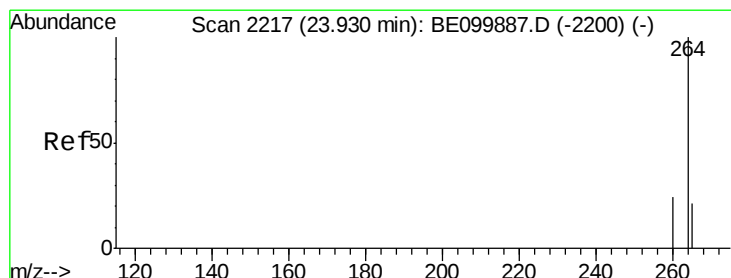
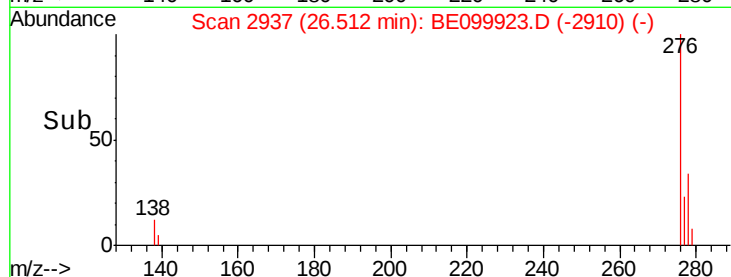
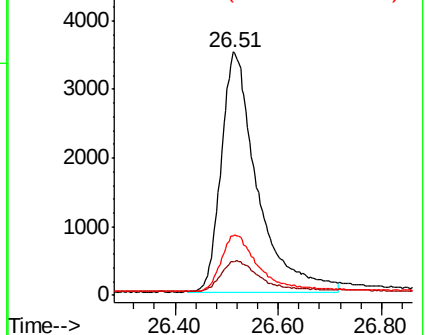
277 23.3 19.1 28.7



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: 23.87 min Scan# 2199

Delta R.T. -0.06 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

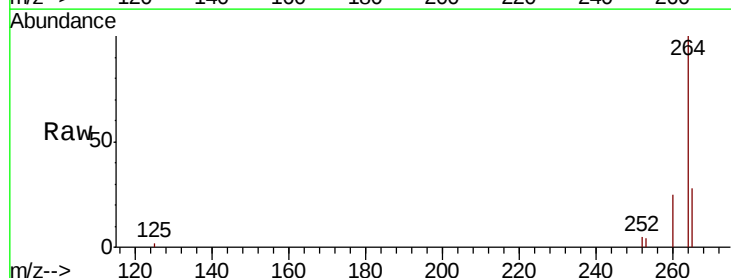
Tgt Ion:264 Resp: 13553

Ion Ratio Lower Upper

264 100

260 24.7 20.2 30.2

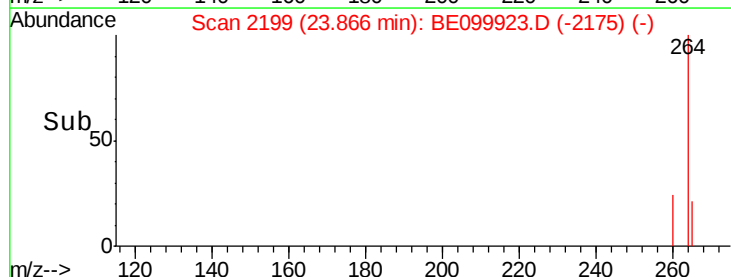
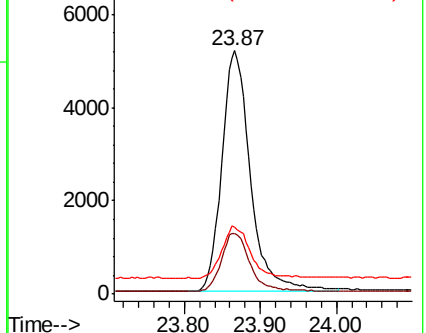
265 27.7 22.0 33.0



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: 0.401 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

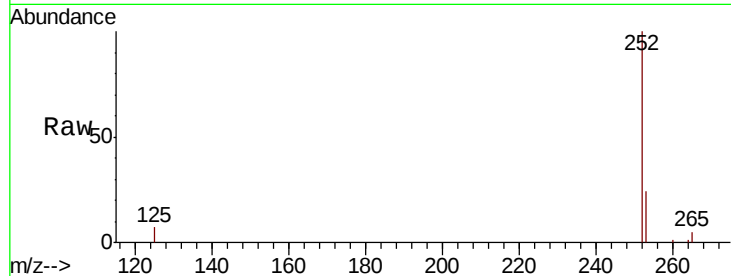
Tgt Ion:252 Resp: 15211

Ion Ratio Lower Upper

252 100

253 24.3 18.7 28.1

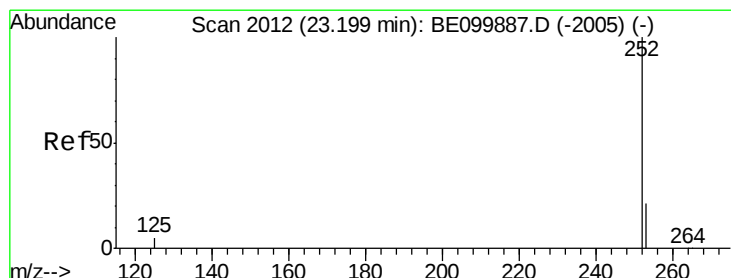
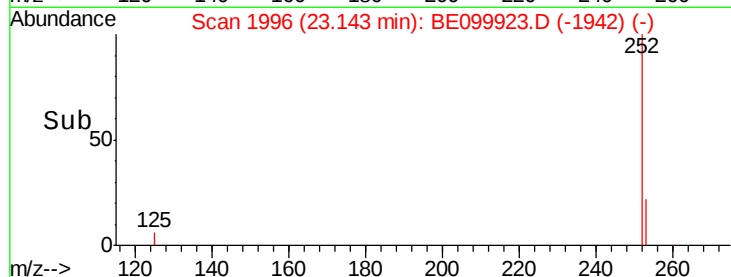
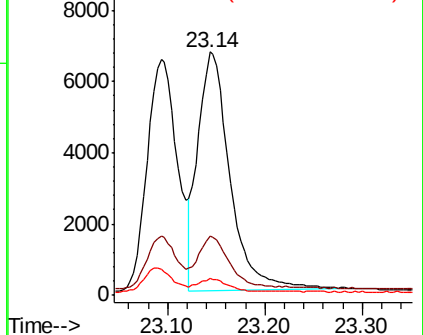
125 7.2 5.7 8.5



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: 0.391 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.06 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

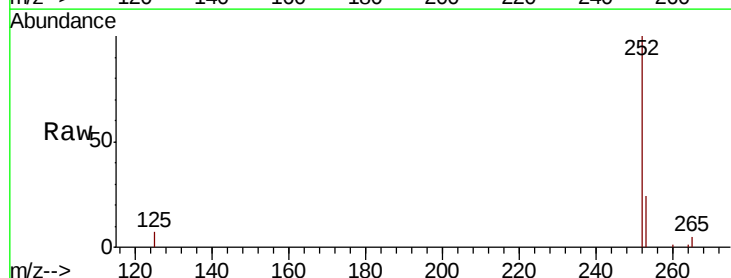
Tgt Ion:252 Resp: 15520

Ion Ratio Lower Upper

252 100

253 24.3 18.6 28.0

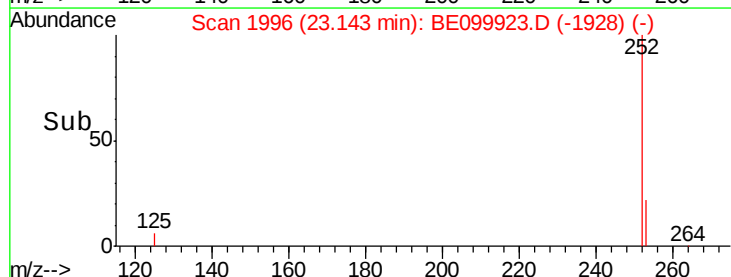
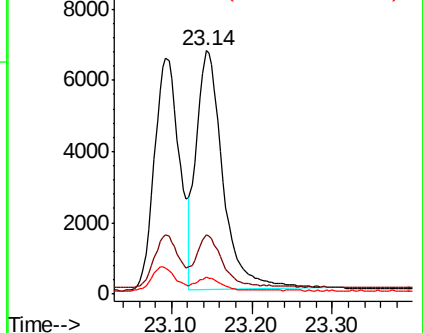
125 7.2 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.06 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD

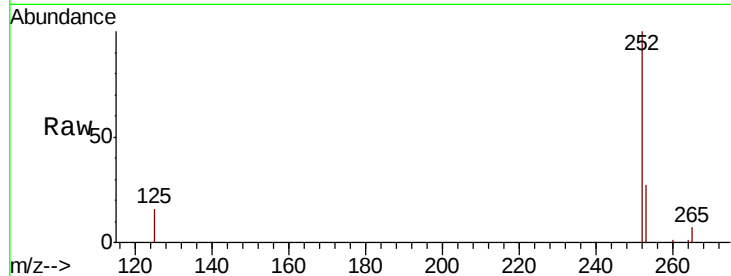
Tgt Ion:252 Resp: 14097

Ion Ratio Lower Upper

252 100

253 26.5 19.6 29.4

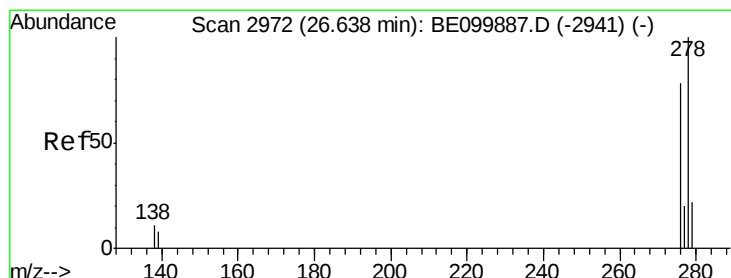
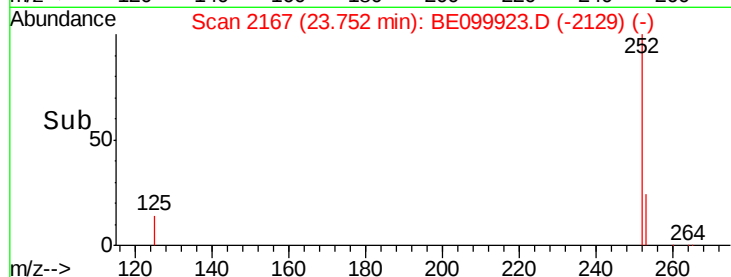
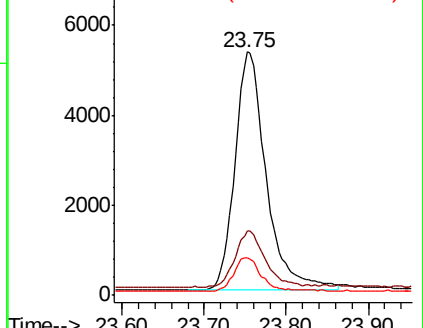
125 15.6 6.6 10.0#



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: 0.351 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.09 min

Lab File: BE099923.D

Acq: 11 Jun 2019 14:32

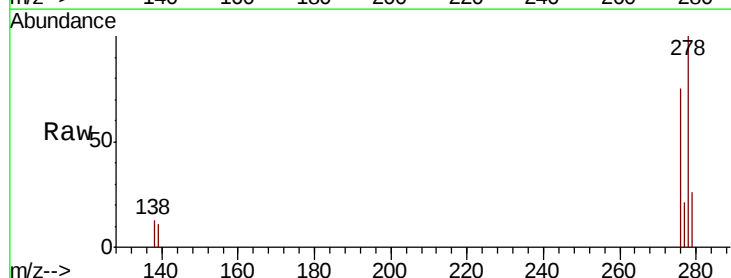
Tgt Ion:278 Resp: 13242

Ion Ratio Lower Upper

278 100

139 10.5 7.8 11.8

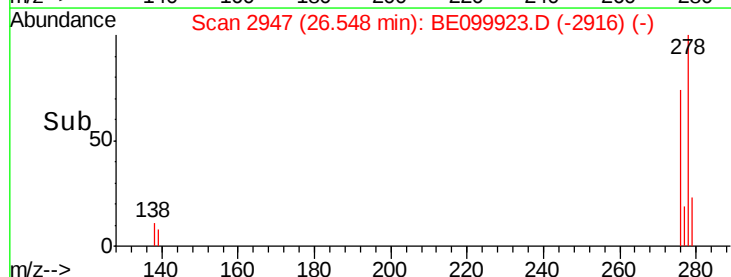
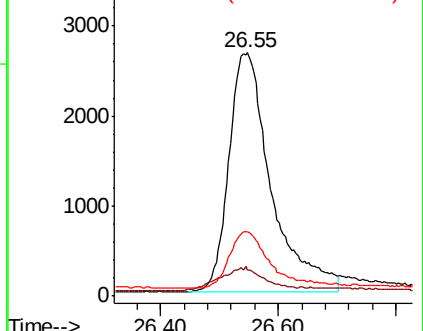
279 26.3 20.0 30.0



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: 0.375 ng

RT: 27.33 min Scan# 3166

Delta R.T. -0.10 min

Lab File: BE099923.D

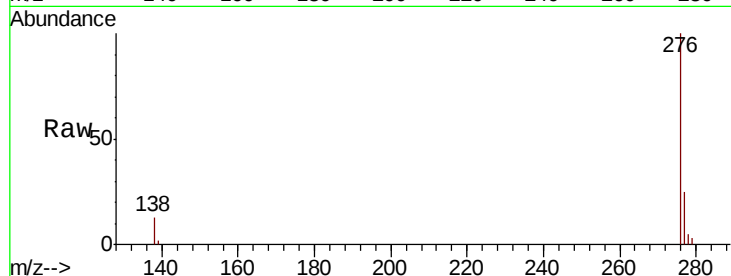
Acq: 11 Jun 2019 14:32

Instrument :

BNA_E

ClientSampleId :

PB120465BSD



Tgt Ion: 276 Resp: 14591

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 12.8 9.5 14.3

