

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061219\
 Data File : BE099953.D
 Acq On : 12 Jun 2019 13:10
 Operator : JU/SJ
 Sample : K3255-15MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D1-20190605MSD

Quant Time: Jun 13 04:08:51 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	7.79	152	923	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3339	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2430	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6940	0.40	ng	0.00
27) Chrysene-d12	21.39	240	9501	0.40	ng	-0.01
34) Perylene-d12	23.92	264	10600	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	351	0.14	ng	0.00
5) Phenol-d6	6.96	99	279	0.09	ng	0.00
8) Nitrobenzene-d5	8.97	82	1262	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	2884	0.50	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	455	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	3905	0.42	ng	-0.01
25) Fluoranthene-d10	19.25	212	35643	0.35	ng	0.00
29) Terphenyl-d14	19.84	244	9529	0.56	ng	-0.01

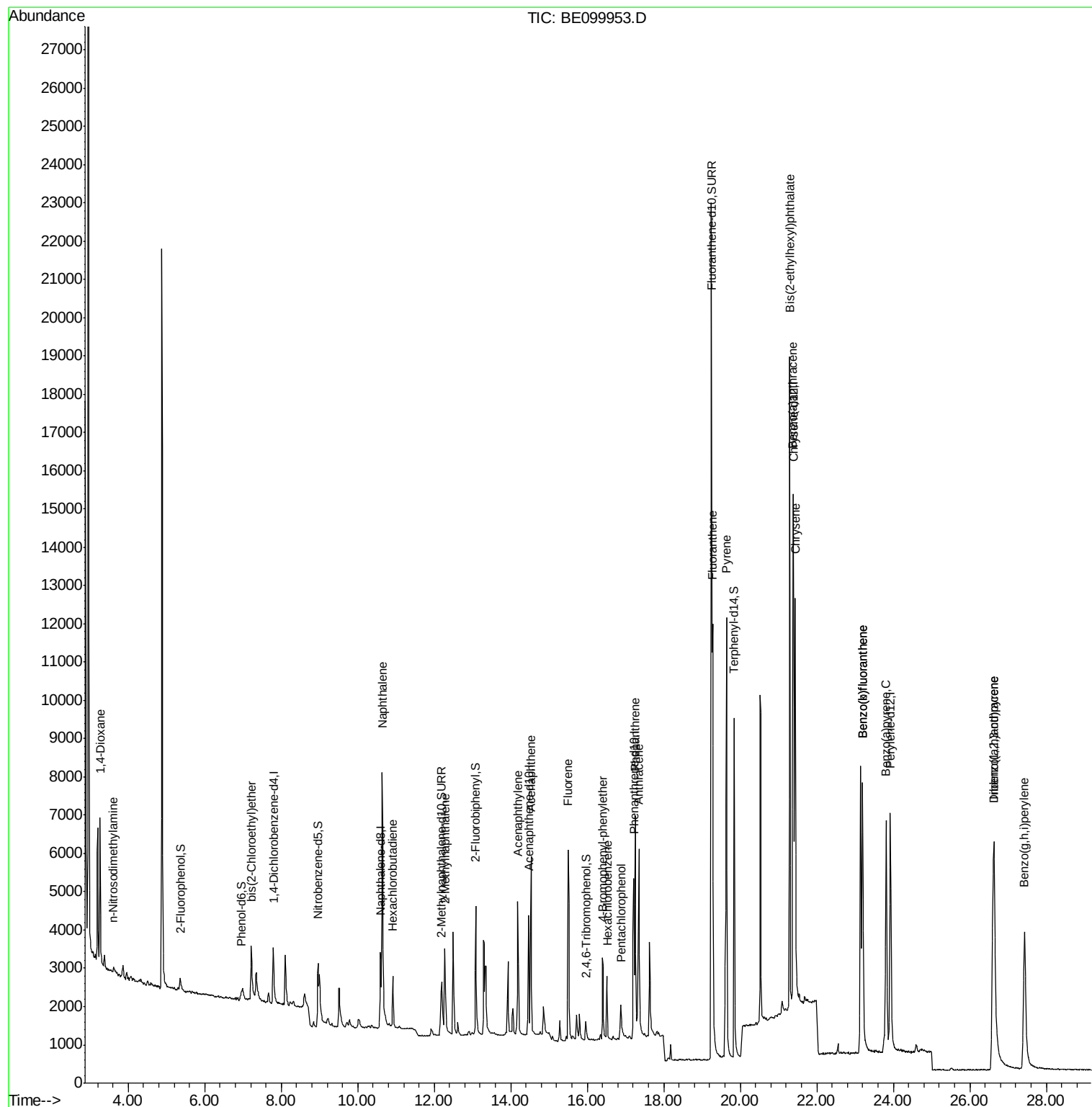
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	2834	2.075	ng	91
3) n-Nitrosodimethylamine	3.61	42	90	0.114	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	1131	0.431	ng	75
9) Naphthalene	10.64	128	13893	0.385	ng	99
10) Hexachlorobutadiene	10.91	225	1039	0.378	ng	96
12) 2-Methylnaphthalene	12.28	142	2264	0.387	ng	96
16) Acenaphthylene	14.18	152	4438	0.367	ng	99
17) Acenaphthene	14.53	154	2454	0.373	ng	98
18) Fluorene	15.50	166	3584	0.363	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1693	0.431	ng	# 92
21) Hexachlorobenzene	16.52	284	1608	0.400	ng	97
22) Pentachlorophenol	16.88	266	1002	0.818	ng	84
23) Phenanthrene	17.25	178	6842	0.406	ng	100
24) Anthracene	17.35	178	6064	0.393	ng	99
26) Fluoranthene	19.28	202	10761	0.376	ng	99
28) Pyrene	19.64	202	12172	0.488	ng	99
30) Benzo(a)anthracene	21.38	228	11909	0.419	ng	99
31) Chrysene	21.44	228	12869	0.438	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	18156	0.446	ng	100
33) Indeno(1,2,3-cd)pyrene	26.61	276	13312	0.382	ng	98
35) Benzo(b)fluoranthene	23.20	252	12617	0.425	ng	100
36) Benzo(k)fluoranthene	23.20	252	12817	0.413	ng	100
37) Benzo(a)pyrene	23.81	252	12008	0.410	ng	# 97
38) Dibenzo(a,h)anthracene	26.64	278	10835	0.368	ng	97
39) Benzo(g,h,i)perylene	27.43	276	11871	0.390	ng	98

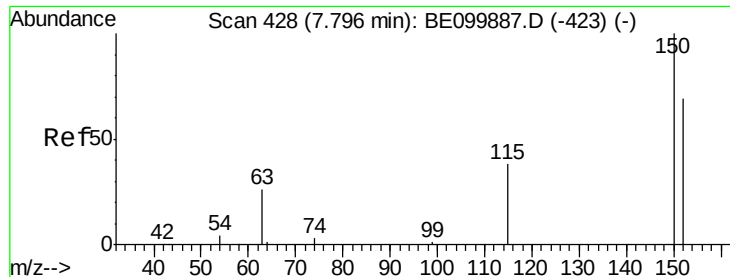
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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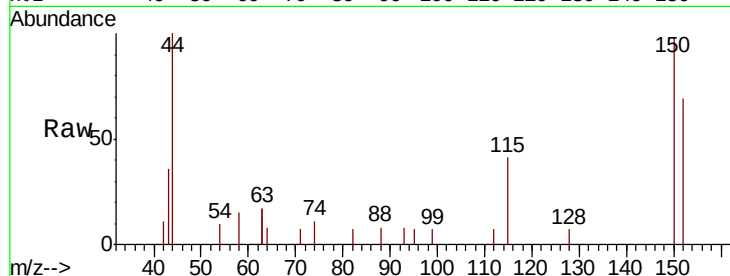


#1

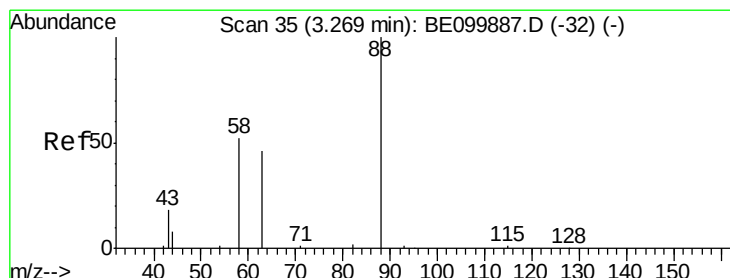
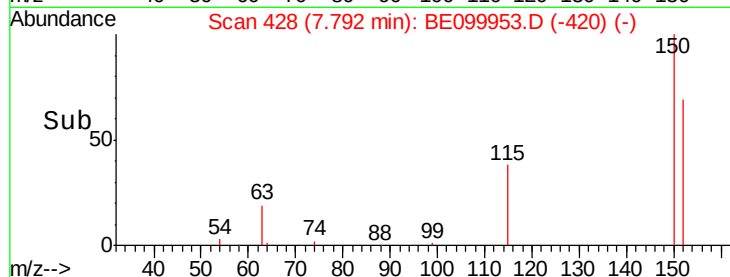
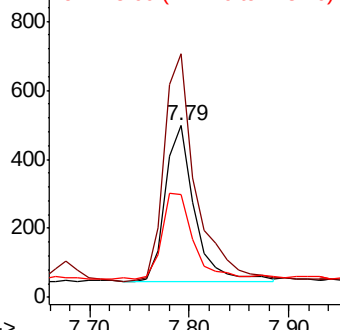
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE099953.D
Acq: 12 Jun 2019 13:10

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190605MSD

Tgt Ion: 152 Resp: 923
Ion Ratio Lower Upper
152 100
150 142.1 111.0 166.6
115 60.2 50.7 76.1



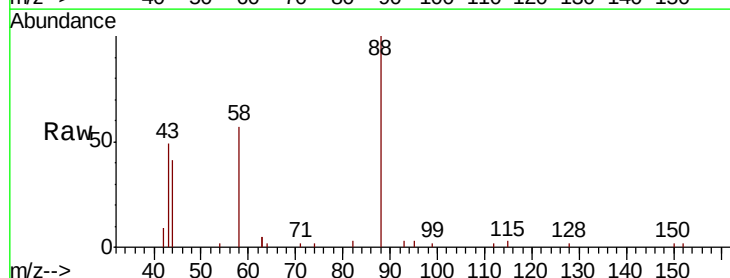
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



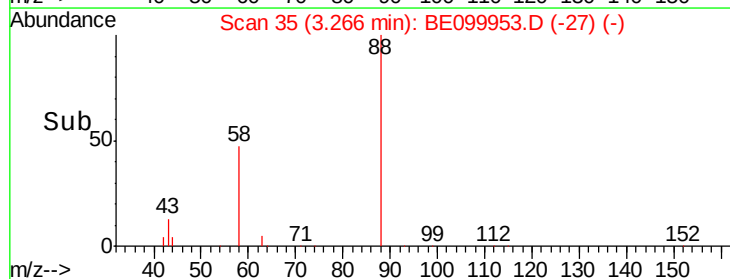
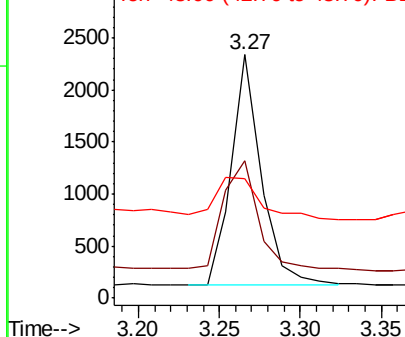
#2

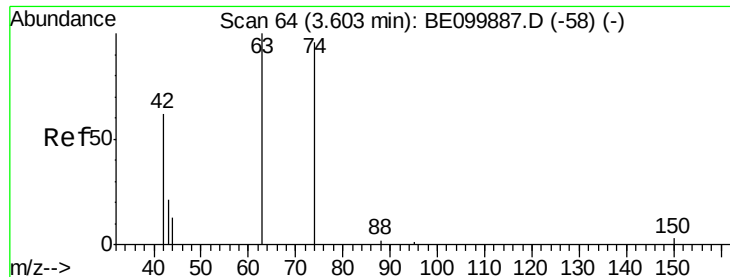
1,4-Dioxane
Concen: 2.075 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099953.D
Acq: 12 Jun 2019 13:10

Tgt Ion: 88 Resp: 2834
Ion Ratio Lower Upper
88 100
58 53.4 48.8 73.2
43 27.6 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: 0.114 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

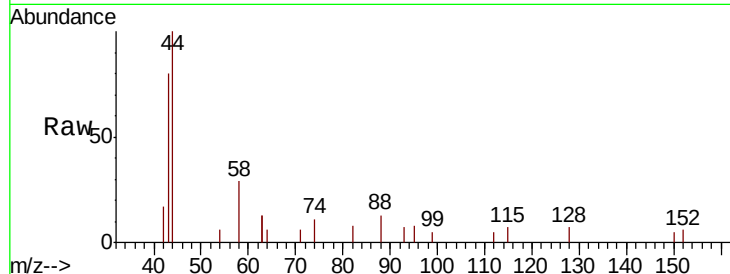
Tgt Ion: 42 Resp: 90

Ion Ratio Lower Upper

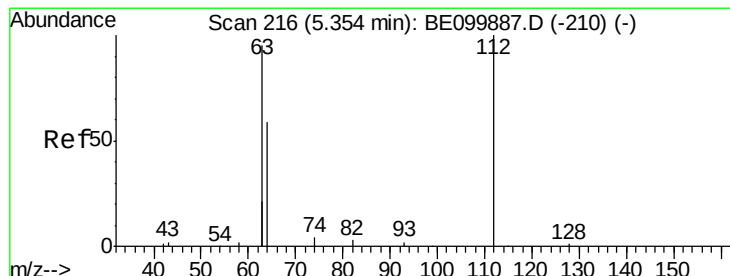
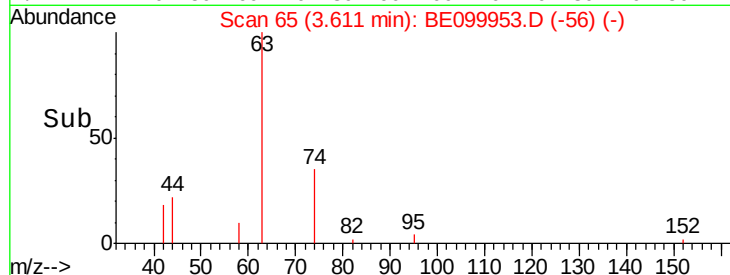
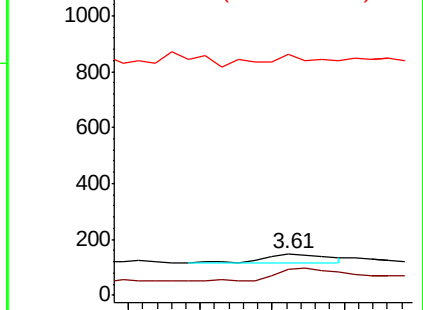
42 100

74 158.9 0.0 0.0#

44 147.8 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: 0.141 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

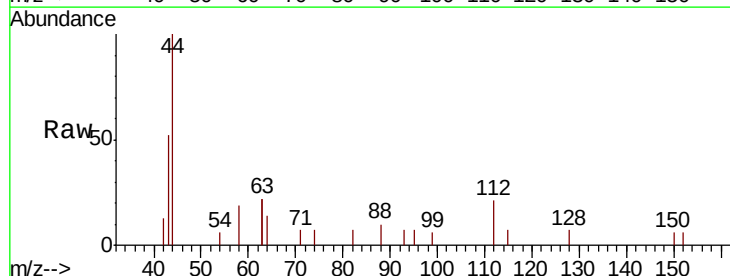
Tgt Ion: 112 Resp: 351

Ion Ratio Lower Upper

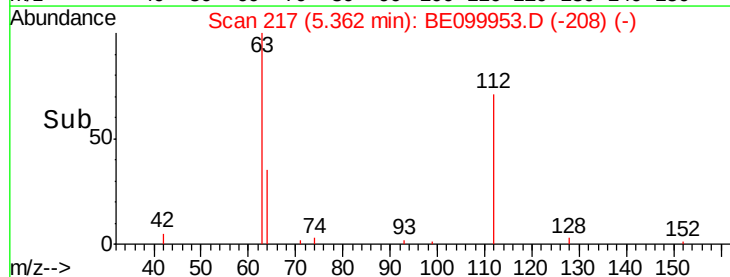
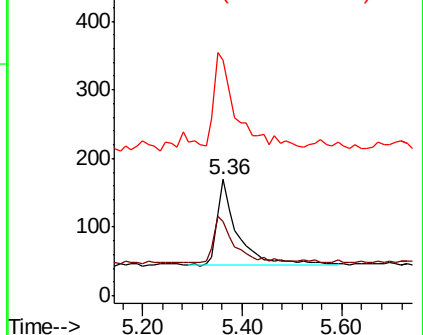
112 100

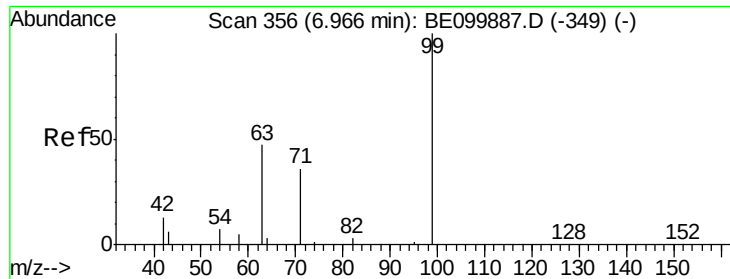
64 57.0 44.1 66.1

63 105.4 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: 0.087 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

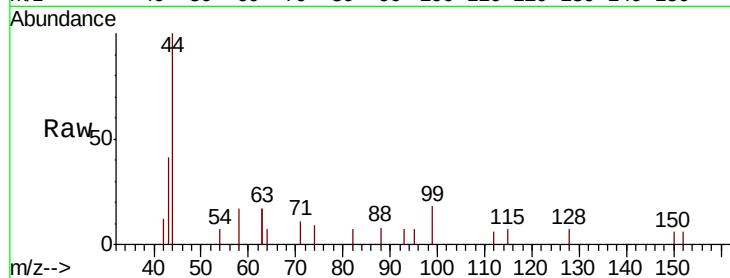
Tgt Ion: 99 Resp: 279

Ion Ratio Lower Upper

99 100

42 24.4 15.9 23.9#

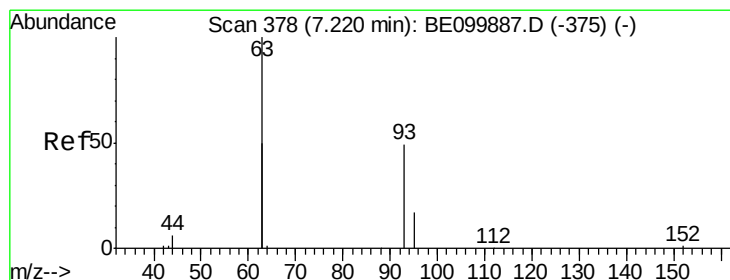
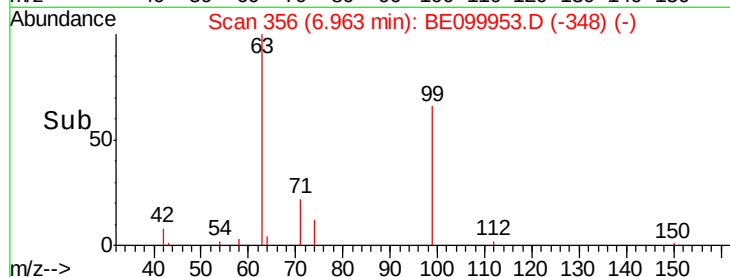
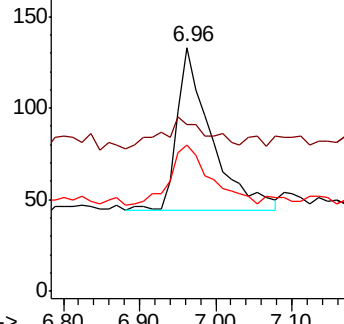
71 43.7 34.6 52.0



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: 0.431 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

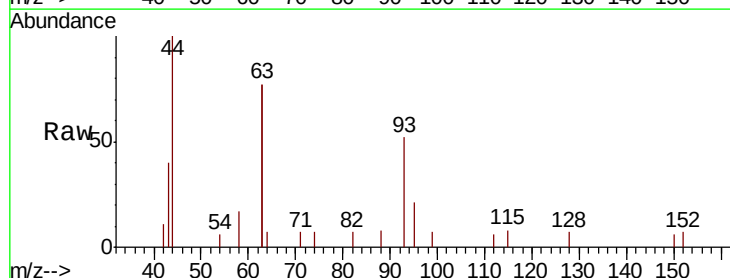
Tgt Ion: 93 Resp: 1131

Ion Ratio Lower Upper

93 100

63 206.6 202.8 304.2

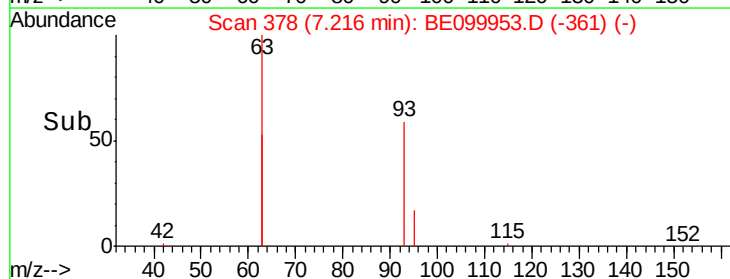
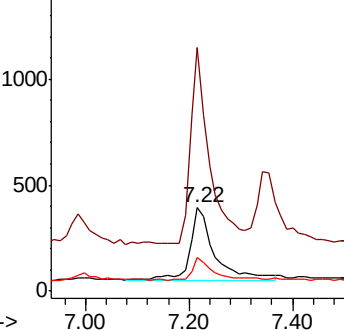
95 26.1 23.7 35.5

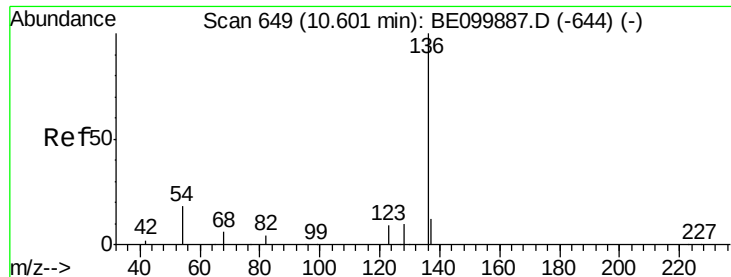


Abundance Ion 93.00 (92.70 to 93.70): BE0

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# 650

Delta R.T. 0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

Tgt Ion: 136 Resp: 3339

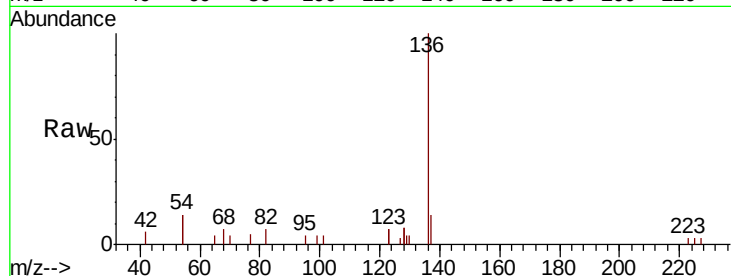
Ion Ratio Lower Upper

136 100

137 14.0 12.3 18.5

54 28.3 28.2 42.4

68 6.9 7.8 11.8#

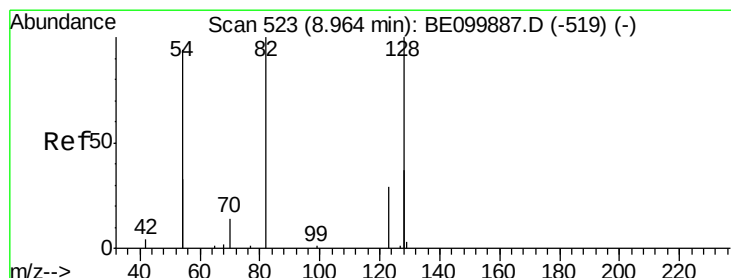
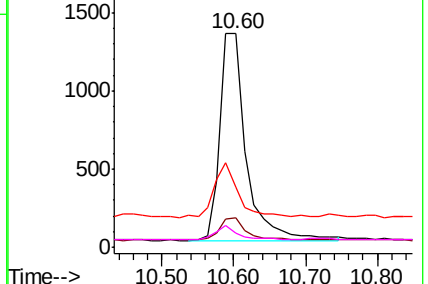
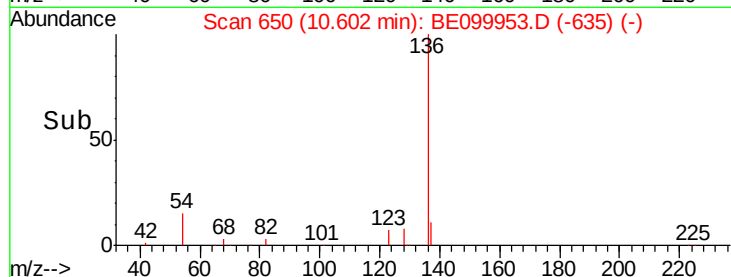


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.399 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

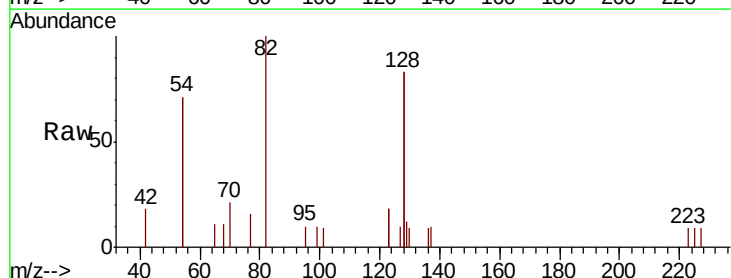
Tgt Ion: 82 Resp: 1262

Ion Ratio Lower Upper

82 100

128 165.1 137.3 205.9

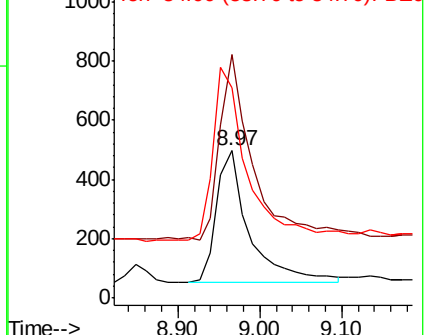
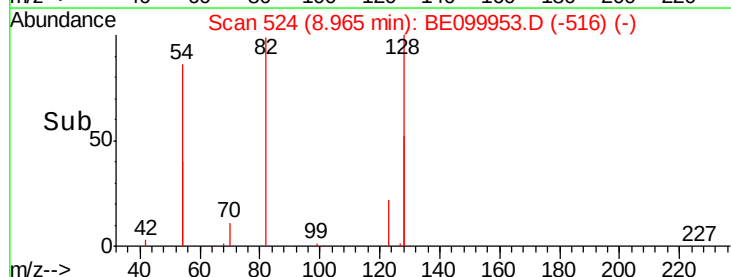
54 142.6 129.7 194.5

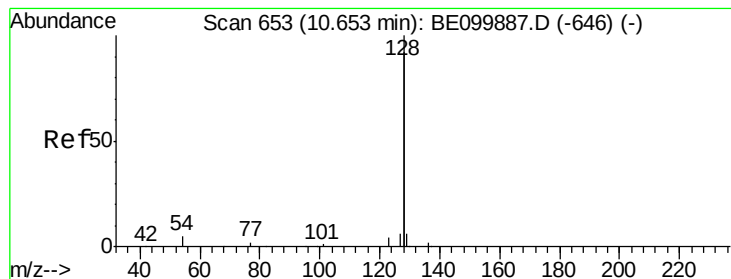


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.385 ng

RT: 10.64 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

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RE123D1-20190605MSD

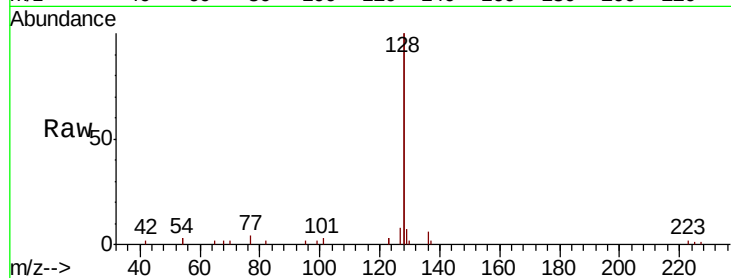
Tgt Ion:128 Resp: 13893

Ion Ratio Lower Upper

128 100

129 3.3 3.0 4.6

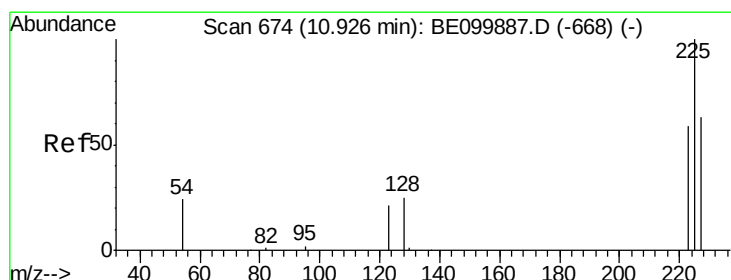
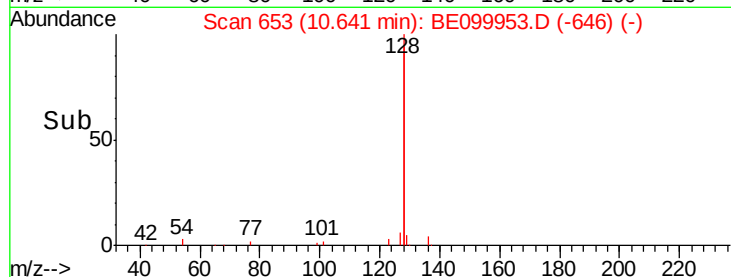
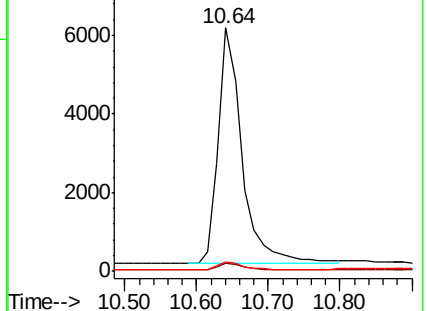
127 3.9 3.4 5.0



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: 0.378 ng

RT: 10.91 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

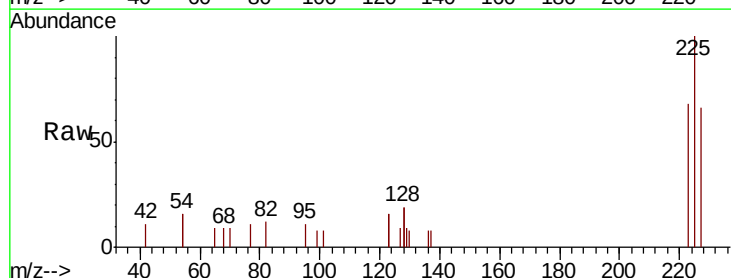
Tgt Ion:225 Resp: 1039

Ion Ratio Lower Upper

225 100

223 60.9 51.6 77.4

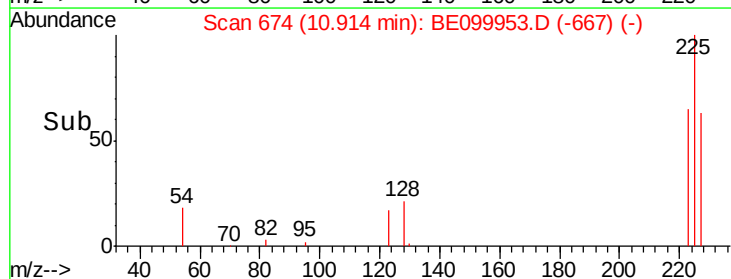
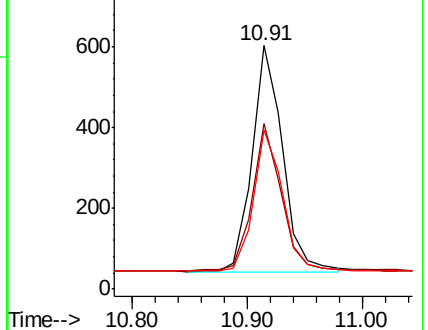
227 60.3 50.6 76.0

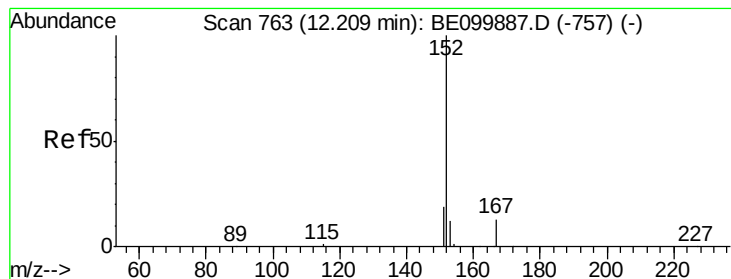


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.495 ng

RT: 12.20 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

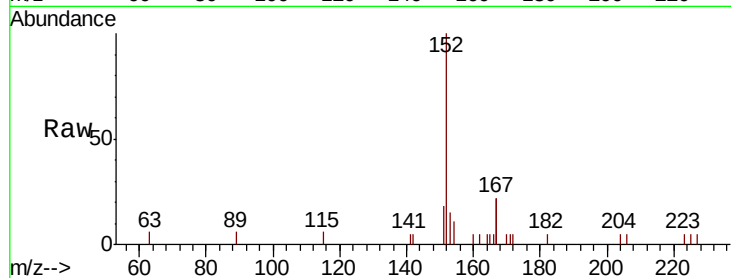
RE123D1-20190605MSD

Tgt Ion:152 Resp: 2884

Ion Ratio Lower Upper

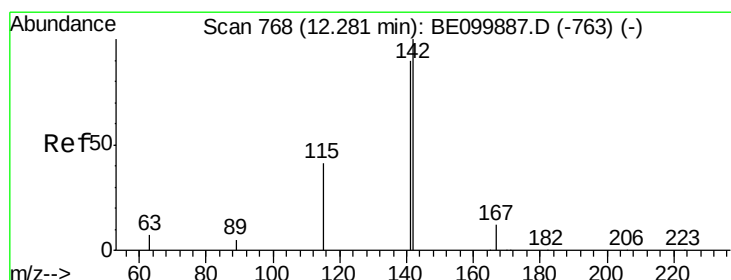
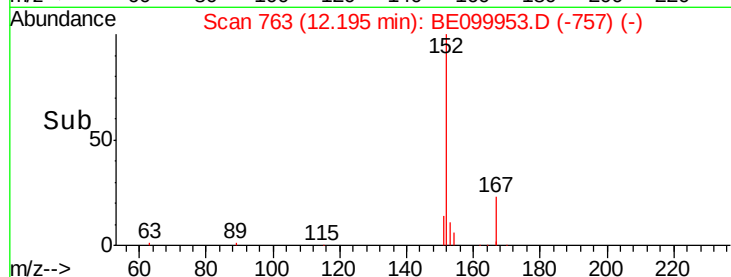
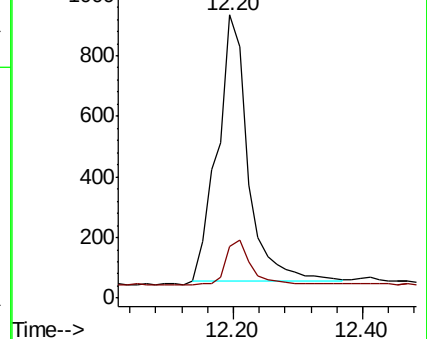
152 100

151 13.8 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: 0.387 ng

RT: 12.28 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

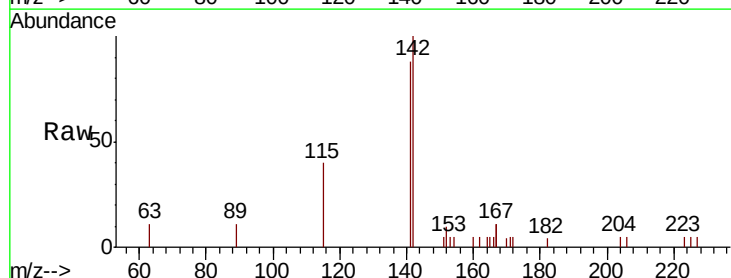
Tgt Ion:142 Resp: 2264

Ion Ratio Lower Upper

142 100

141 88.0 72.3 108.5

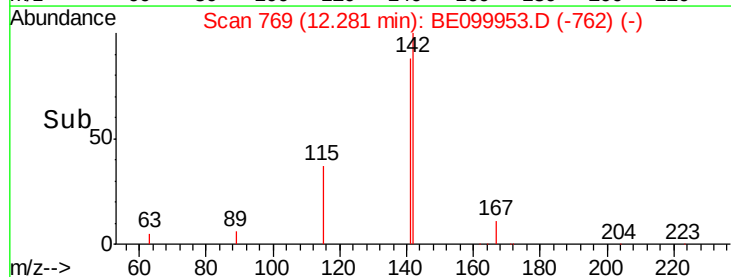
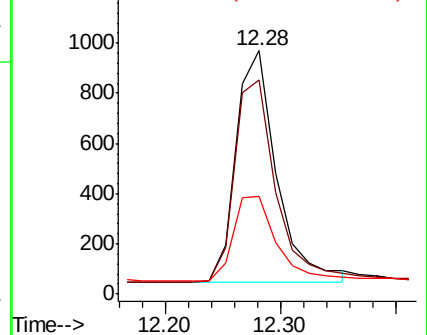
115 40.3 36.4 54.6

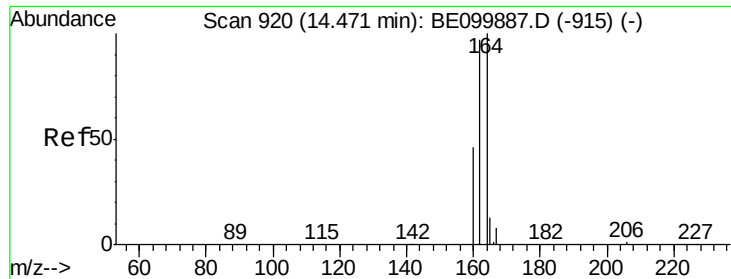


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

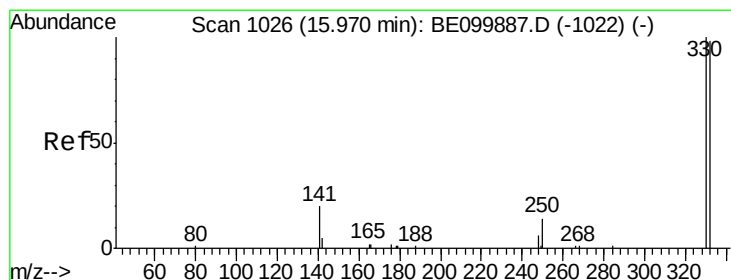
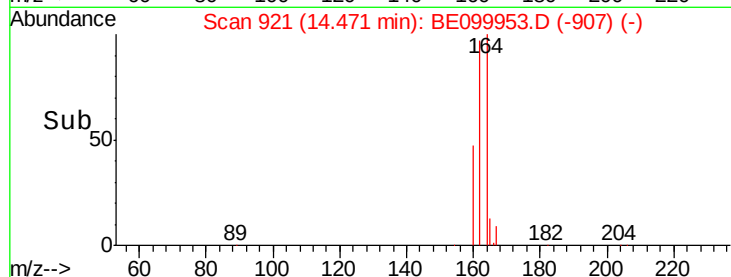
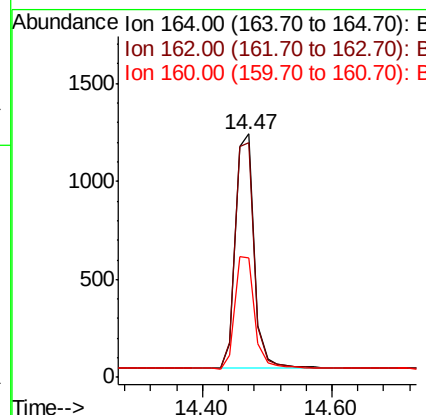
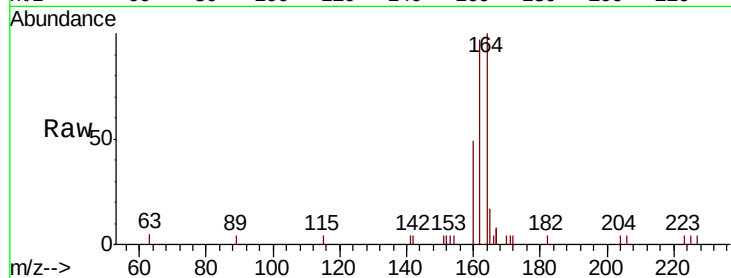




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE099953.D
 Acq: 12 Jun 2019 13:10

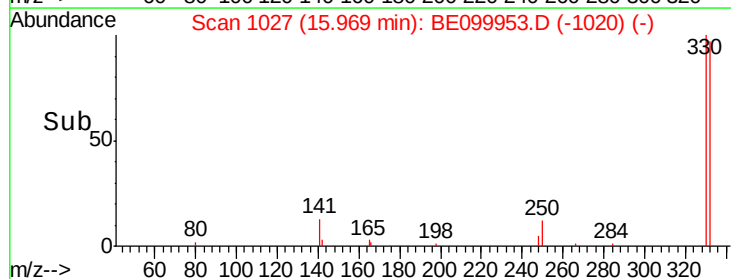
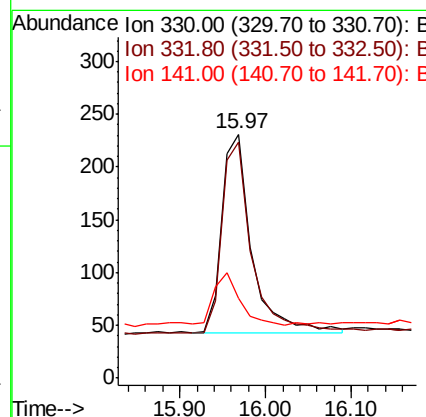
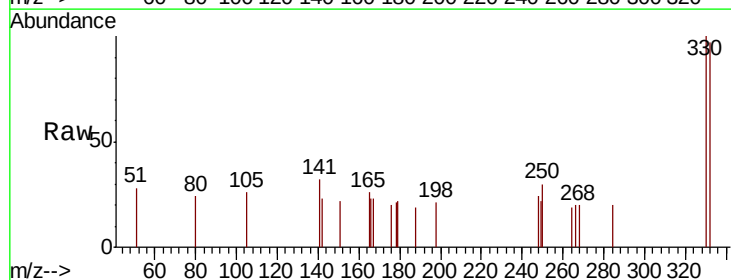
Instrument :
 BNA_E
 ClientSampleId :
 RE123D1-20190605MSD

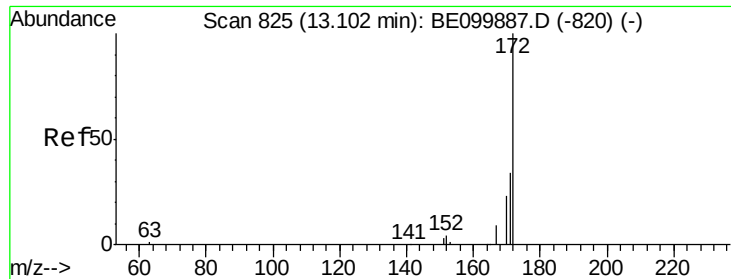
Tgt Ion:164 Resp: 2430
 Ion Ratio Lower Upper
 164 100
 162 96.5 77.8 116.8
 160 48.8 38.2 57.4



#14
 2,4,6-Tribromophenol
 Concen: 0.253 ng
 RT: 15.97 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE099953.D
 Acq: 12 Jun 2019 13:10

Tgt Ion:330 Resp: 455
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.7 115.1
 141 22.9 21.0 31.6

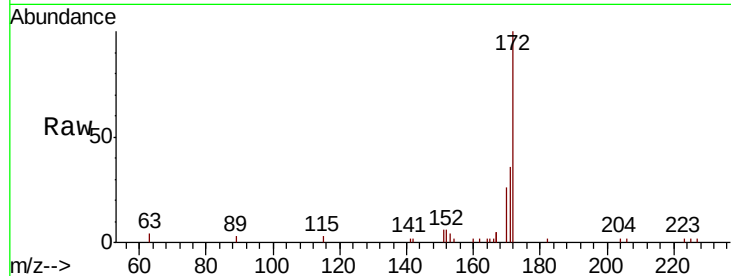




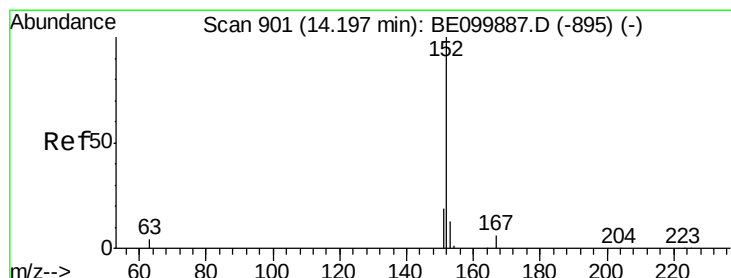
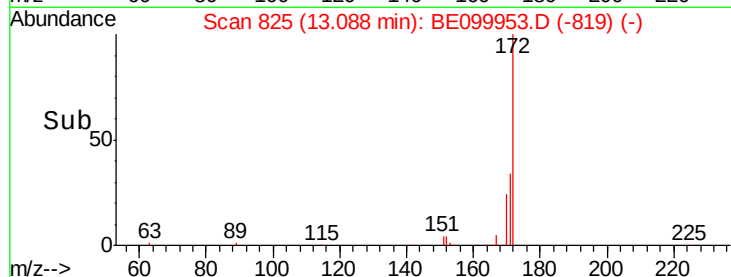
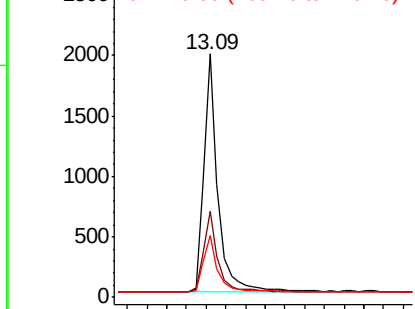
#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 13.09 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099953.D
Acq: 12 Jun 2019 13:10

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190605MSD

Tgt Ion:172 Resp: 3905
Ion Ratio Lower Upper
172 100
171 35.7 29.2 43.8
170 25.6 21.2 31.8

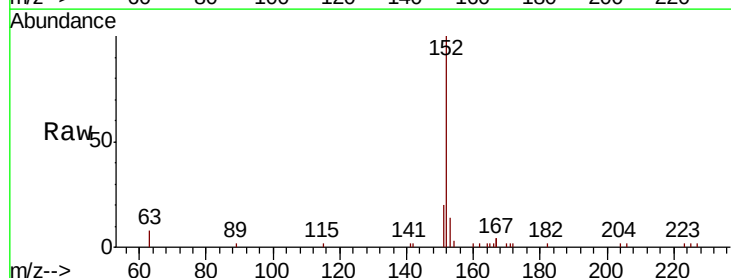


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

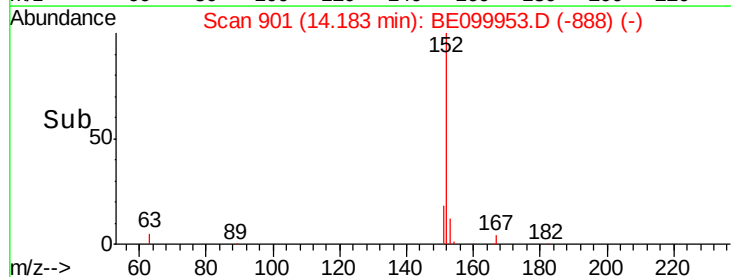
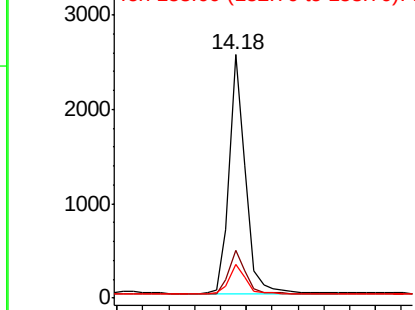


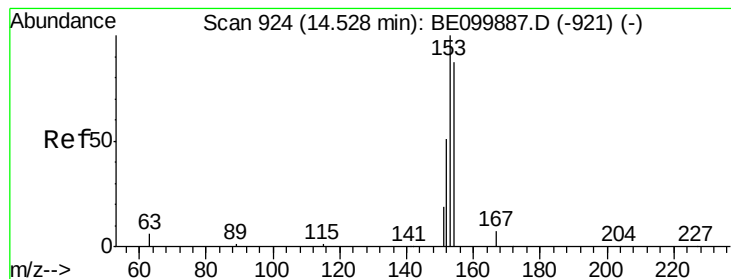
#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.18 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099953.D
Acq: 12 Jun 2019 13:10

Tgt Ion:152 Resp: 4438
Ion Ratio Lower Upper
152 100
151 19.0 15.5 23.3
153 12.3 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: 0.373 ng

RT: 14.53 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

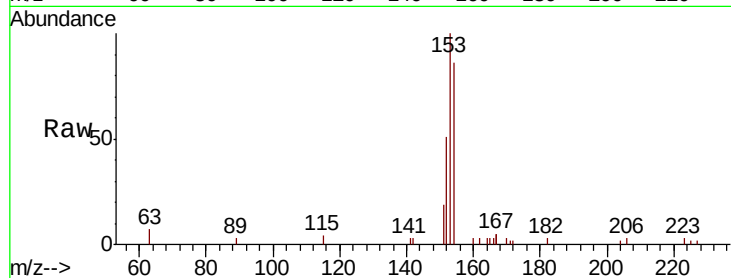
Tgt Ion:154 Resp: 2454

Ion Ratio Lower Upper

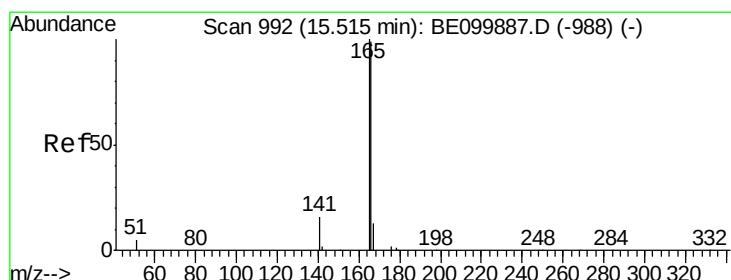
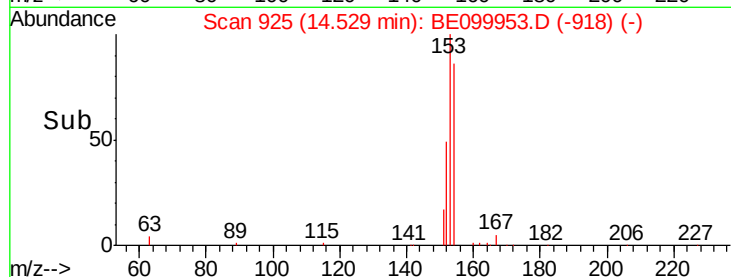
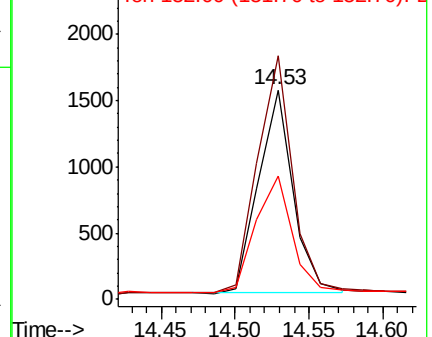
154 100

153 118.5 93.1 139.7

152 61.5 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: 0.363 ng

RT: 15.50 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

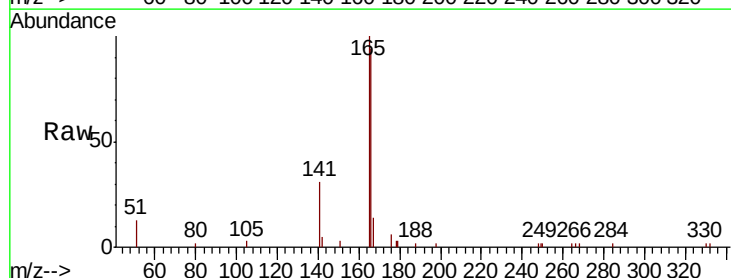
Tgt Ion:166 Resp: 3584

Ion Ratio Lower Upper

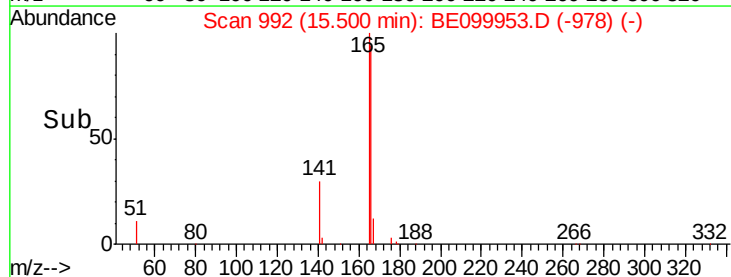
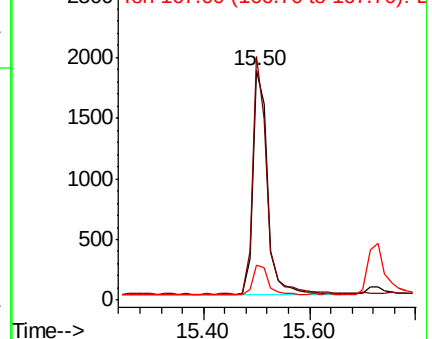
166 100

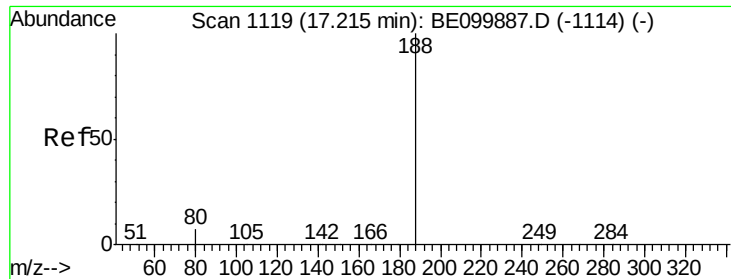
165 101.3 81.8 122.8

167 13.6 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# 1120

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

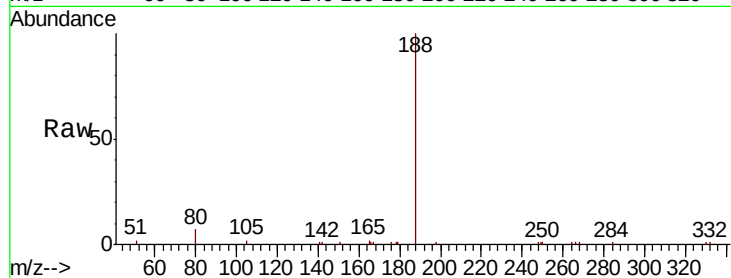
Tgt Ion:188 Resp: 6940

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

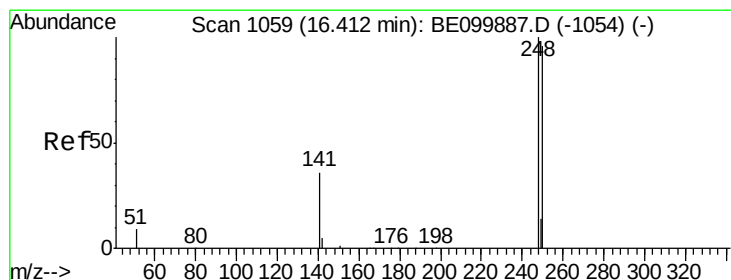
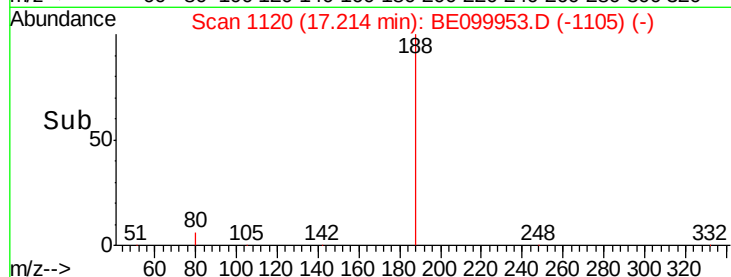
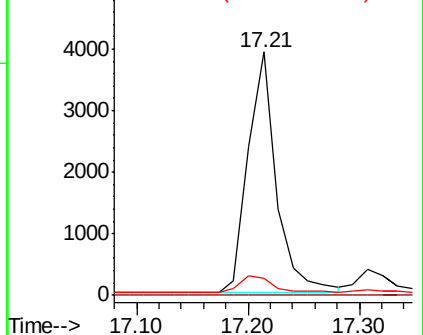
80 7.1 6.4 9.6



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: 0.431 ng

RT: 16.41 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

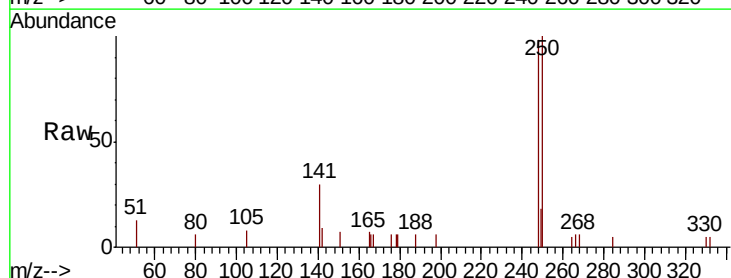
Tgt Ion:248 Resp: 1693

Ion Ratio Lower Upper

248 100

250 101.9 77.5 116.3

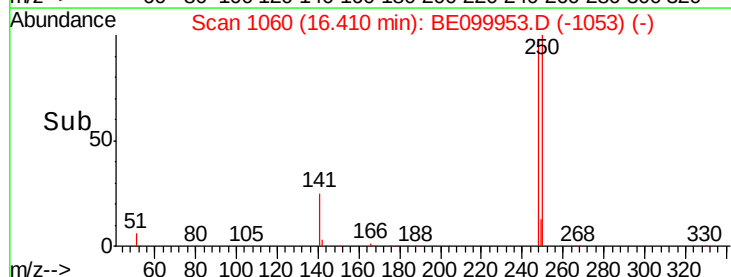
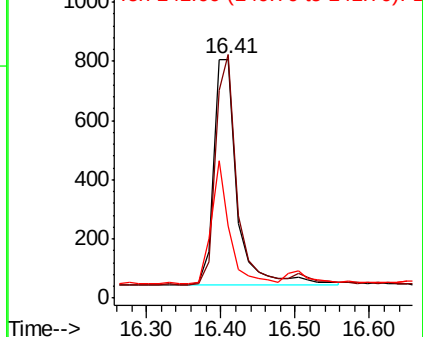
141 30.3 31.8 47.8#

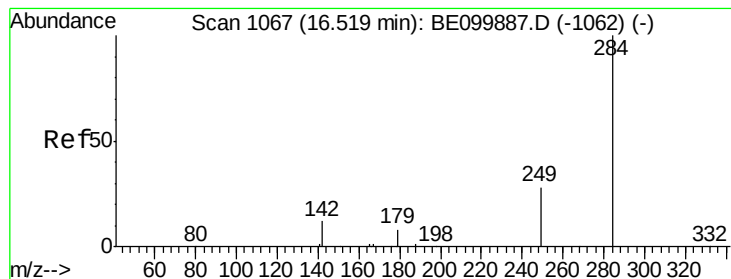


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.400 ng

RT: 16.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

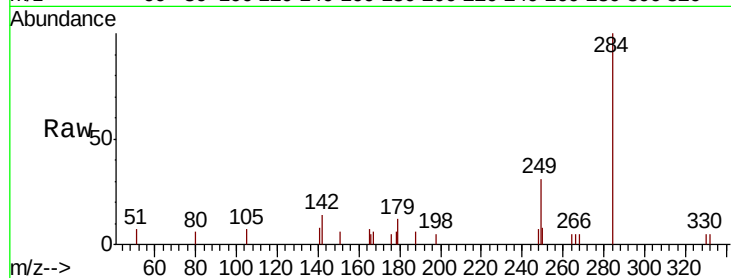
Tgt Ion:284 Resp: 1608

Ion Ratio Lower Upper

284 100

142 23.4 18.2 27.4

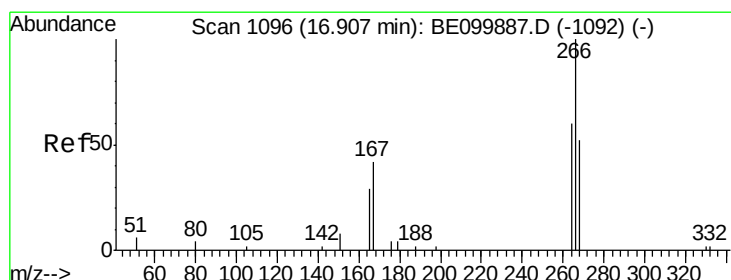
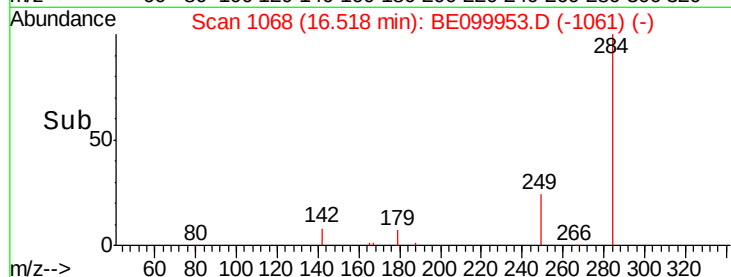
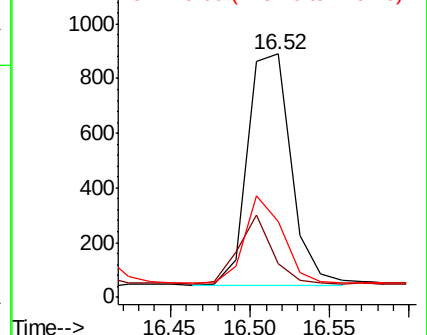
249 33.1 24.6 37.0



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: 0.818 ng

RT: 16.88 min Scan# 1095

Delta R.T. -0.03 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

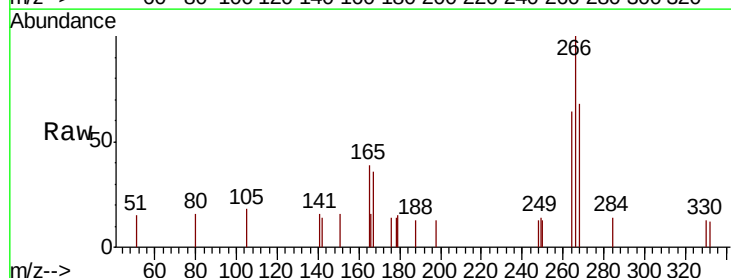
Tgt Ion:266 Resp: 1002

Ion Ratio Lower Upper

266 100

264 64.5 62.2 93.2

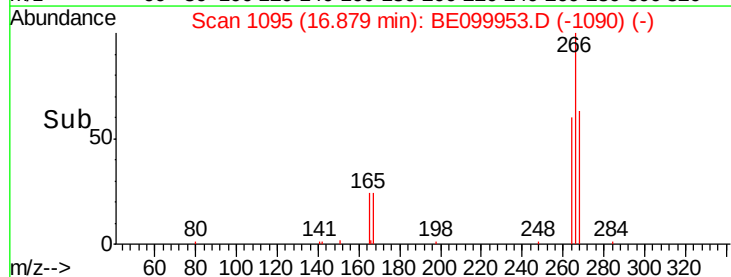
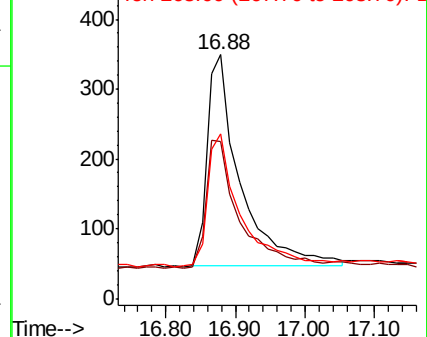
268 67.6 65.5 98.3

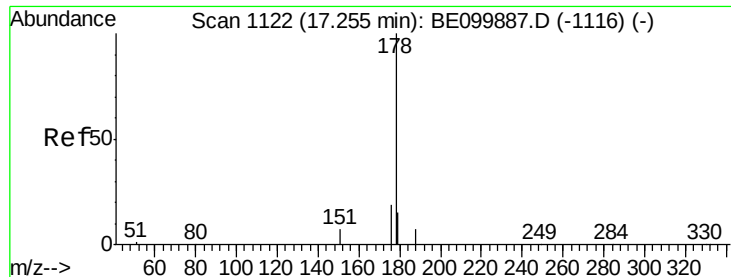


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.406 ng

RT: 17.25 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

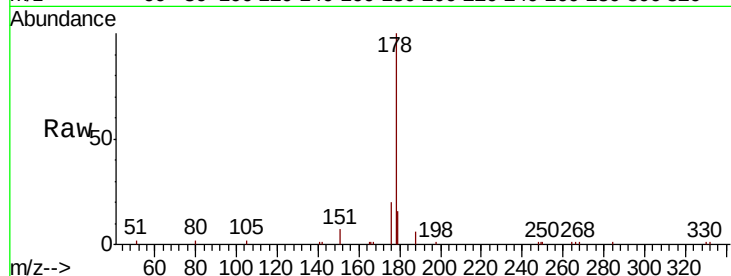
Tgt Ion:178 Resp: 6842

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

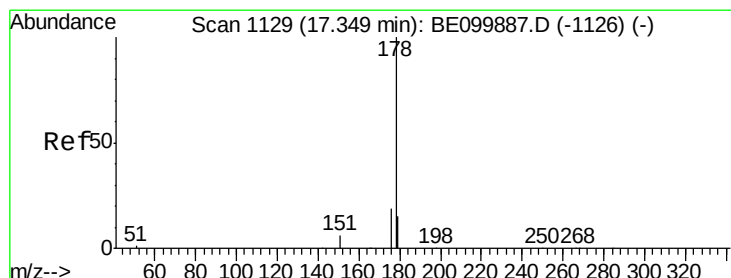
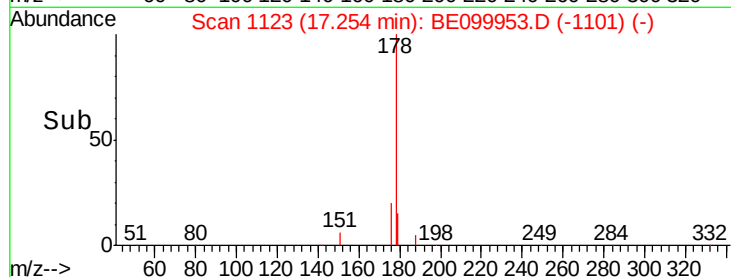
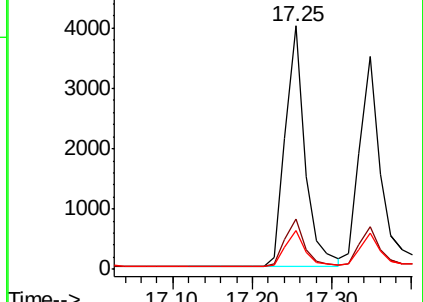
179 15.4 12.4 18.6



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: 0.393 ng

RT: 17.35 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

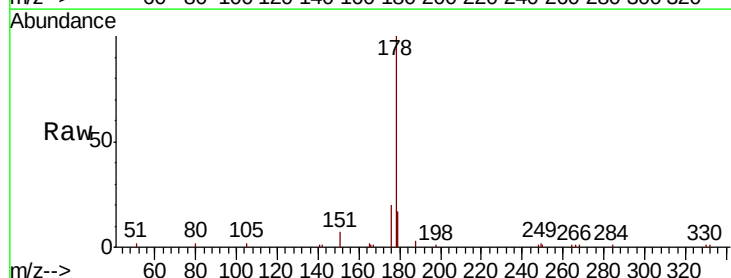
Tgt Ion:178 Resp: 6064

Ion Ratio Lower Upper

178 100

176 19.0 14.6 22.0

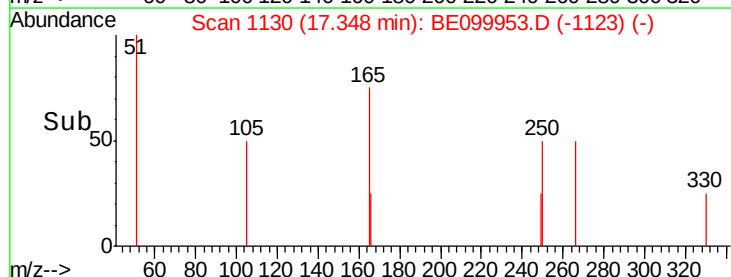
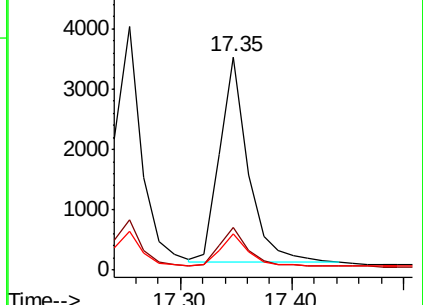
179 15.4 12.3 18.5

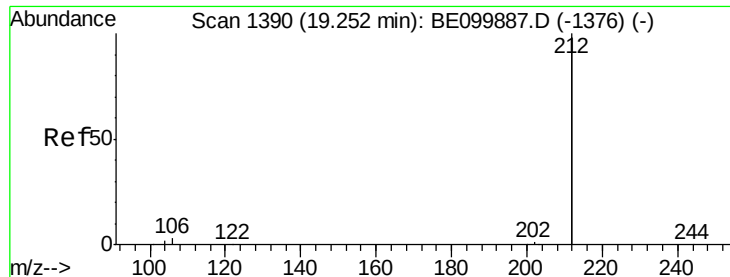


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

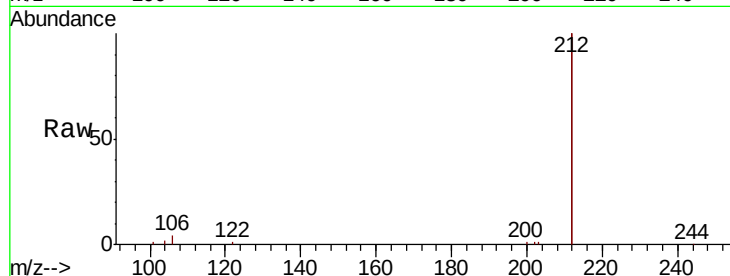
Tgt Ion:212 Resp: 35643

Ion Ratio Lower Upper

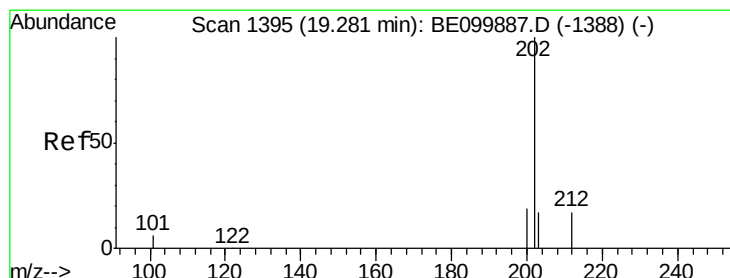
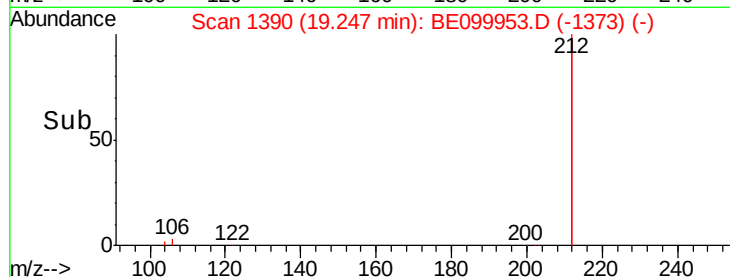
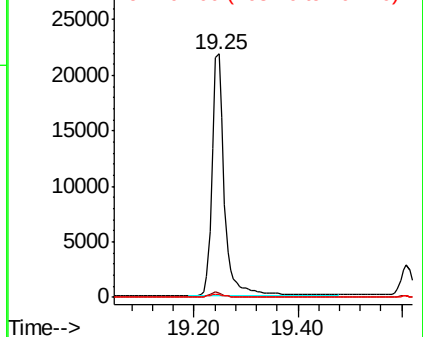
212 100

106 1.8 1.4 2.2

104 1.1 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: 0.376 ng

RT: 19.28 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

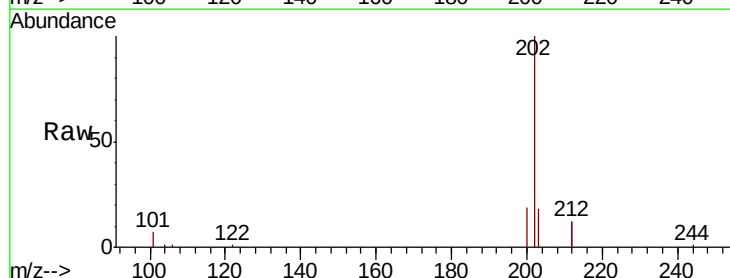
Tgt Ion:202 Resp: 10761

Ion Ratio Lower Upper

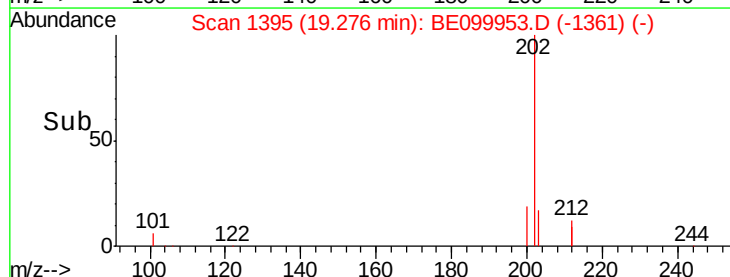
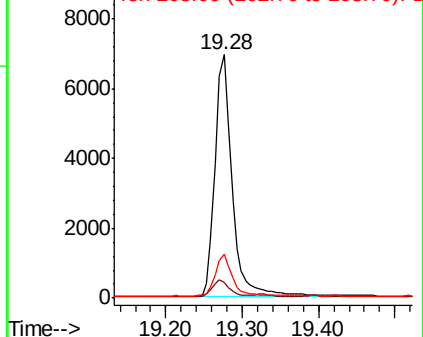
202 100

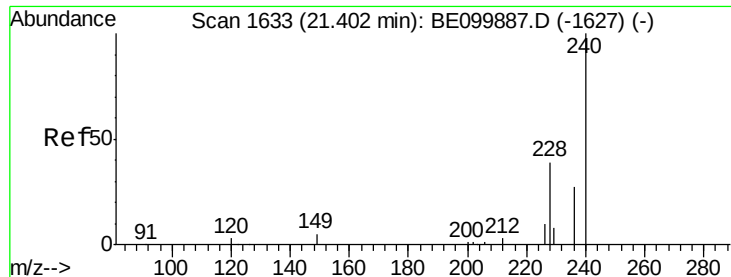
101 6.6 5.4 8.0

203 17.1 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

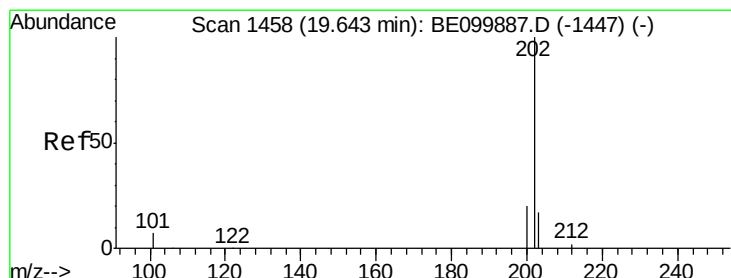
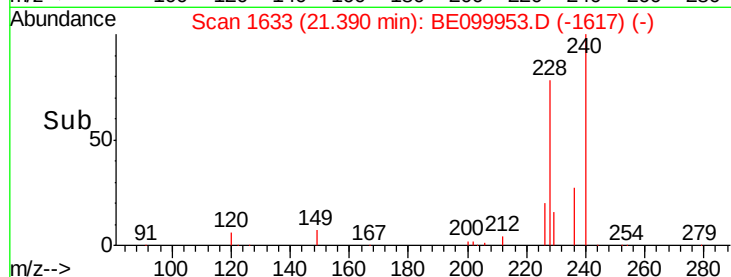
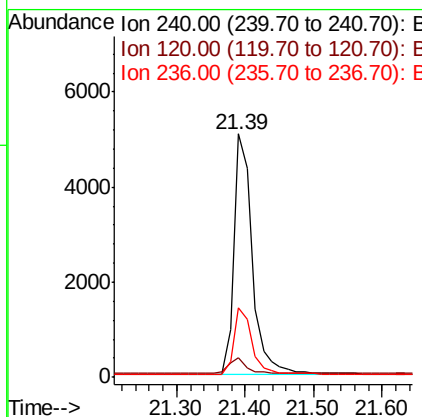
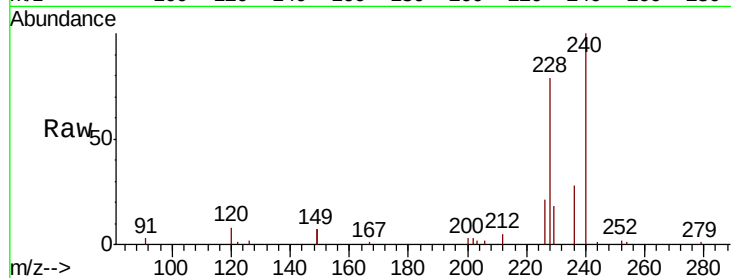




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: BE099953.D
 Acq: 12 Jun 2019 13:10

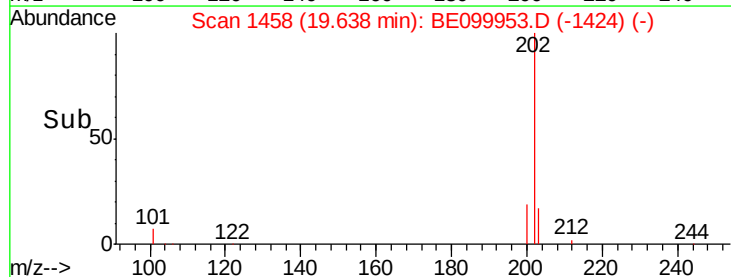
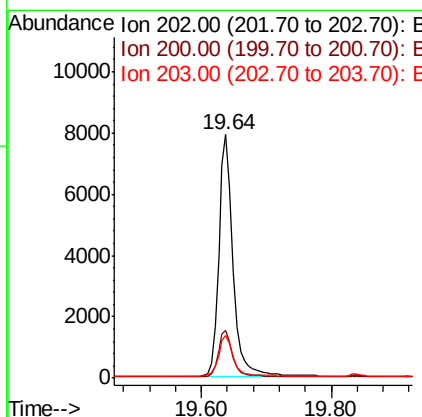
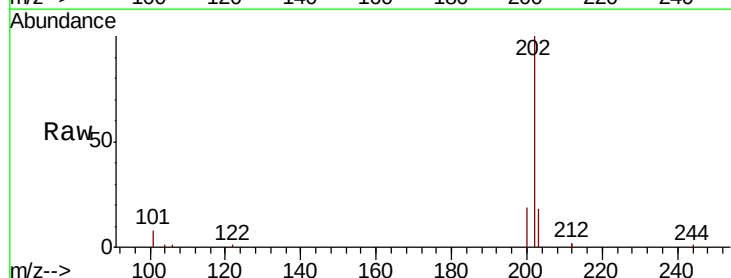
Instrument :
 BNA_E
 ClientSampleId :
 RE123D1-20190605MSD

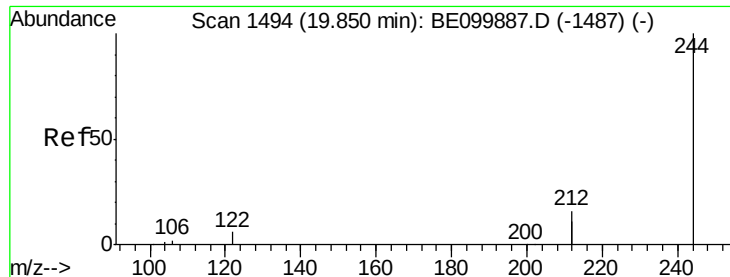
Tgt Ion:240 Resp: 9501
 Ion Ratio Lower Upper
 240 100
 120 7.8 3.8 5.6#
 236 28.3 22.0 33.0



#28
 Pyrene
 Concen: 0.488 ng
 RT: 19.64 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BE099953.D
 Acq: 12 Jun 2019 13:10

Tgt Ion:202 Resp: 12172
 Ion Ratio Lower Upper
 202 100
 200 19.2 15.5 23.3
 203 17.8 14.0 21.0





#29

Terphenyl-d14

Concen: 0.557 ng

RT: 19.84 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

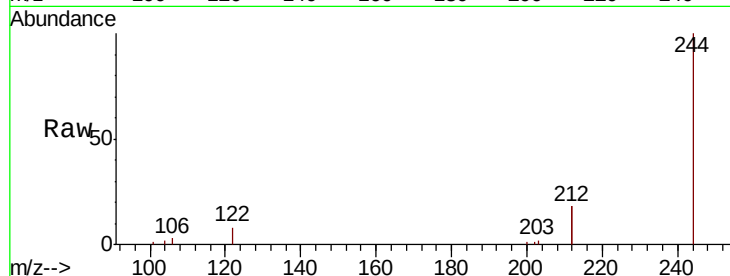
Tgt Ion:244 Resp: 9529

Ion Ratio Lower Upper

244 100

212 35.1 25.7 38.5

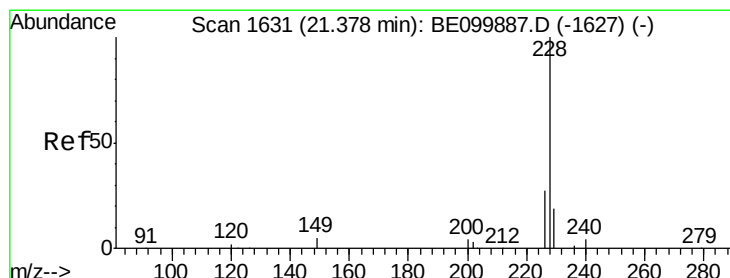
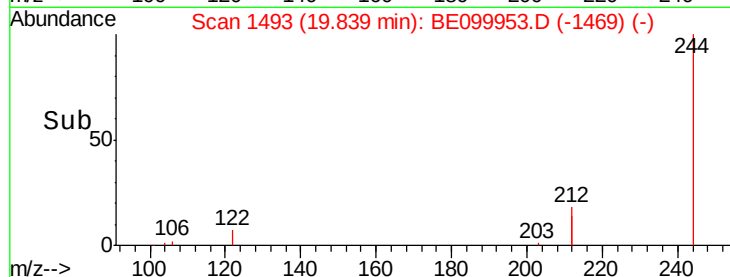
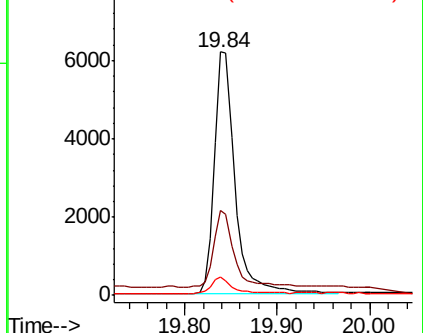
122 7.7 5.5 8.3



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: 0.419 ng

RT: 21.38 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

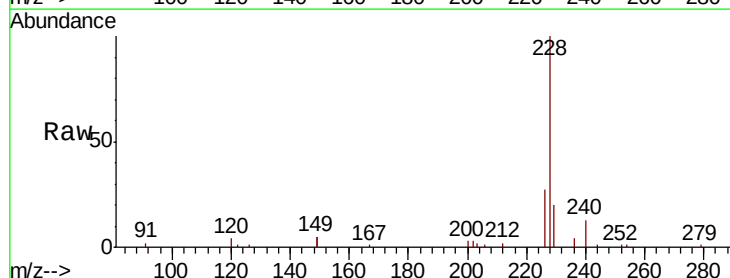
Tgt Ion:228 Resp: 11909

Ion Ratio Lower Upper

228 100

226 27.3 22.5 33.7

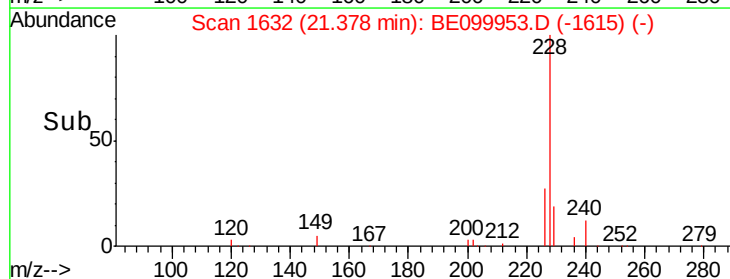
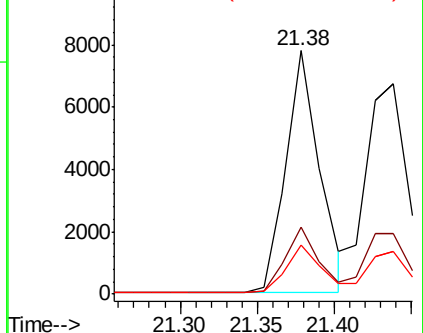
229 19.9 15.9 23.9

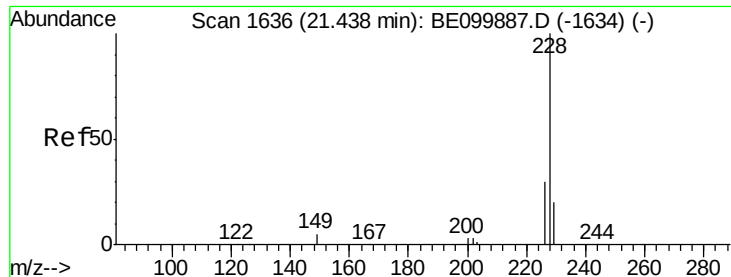


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.438 ng

RT: 21.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

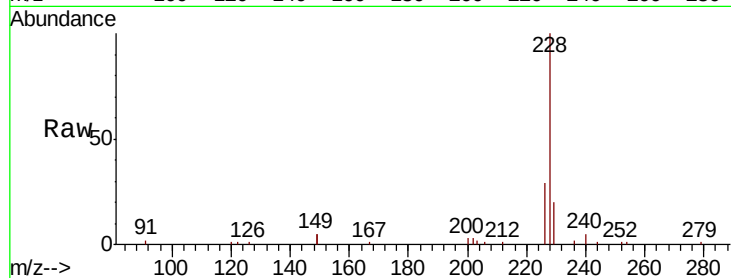
Tgt Ion: 228 Resp: 12869

Ion Ratio Lower Upper

228 100

226 28.5 24.1 36.1

229 20.3 16.1 24.1

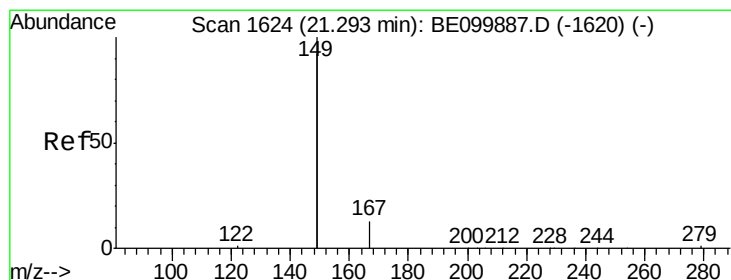
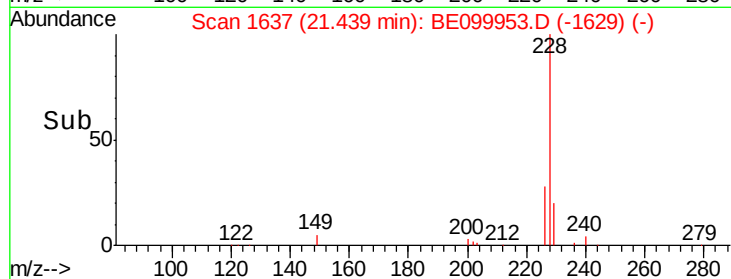
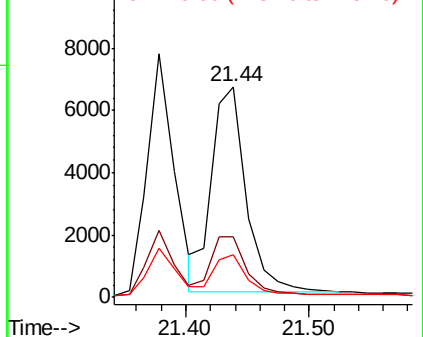


Abundance

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: 0.446 ng

RT: 21.29 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

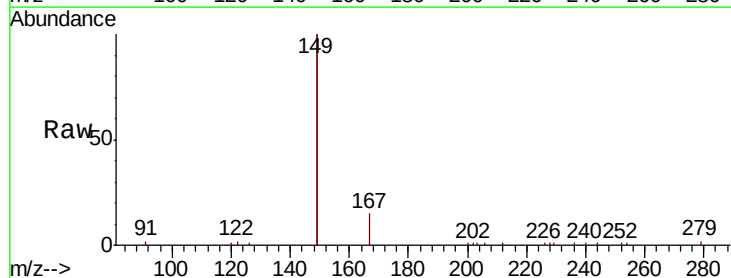
Tgt Ion: 149 Resp: 18156

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

279 1.4 1.2 1.8

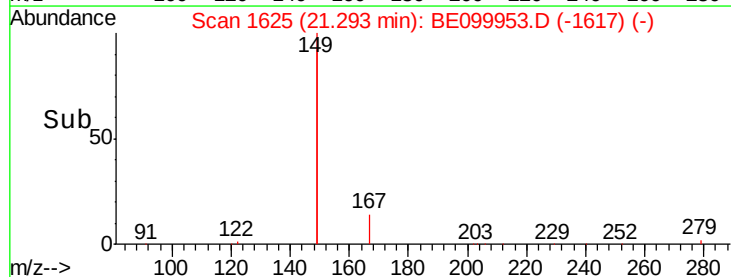
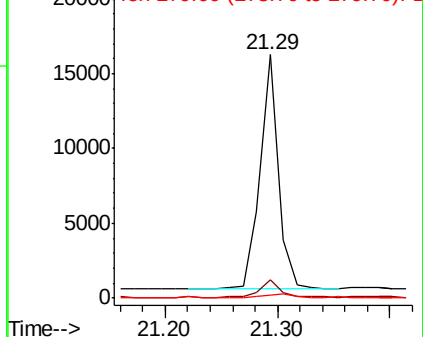


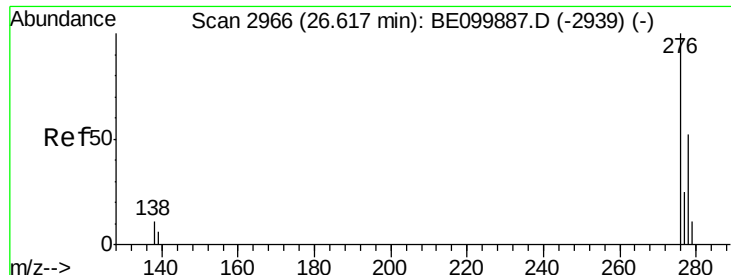
Abundance

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: 0.382 ng

RT: 26.61 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

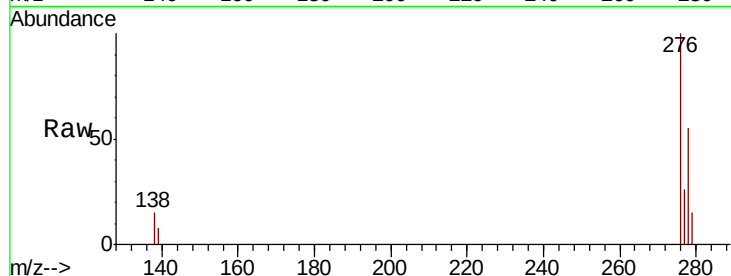
Tgt Ion:276 Resp: 13312

Ion Ratio Lower Upper

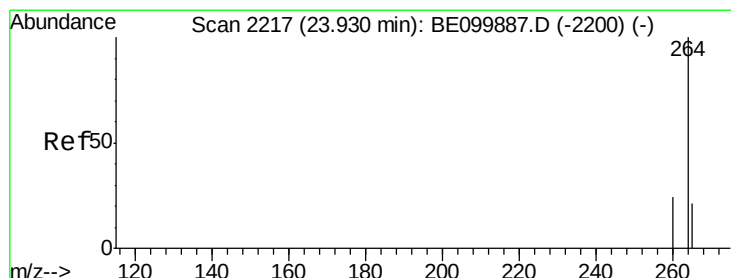
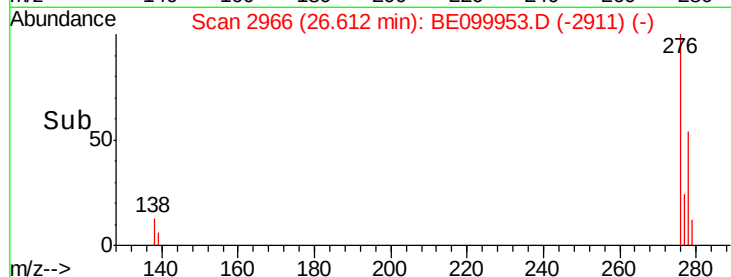
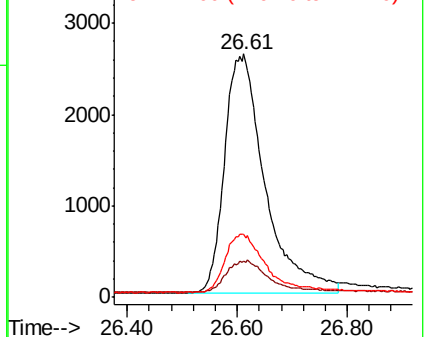
276 100

138 13.4 10.1 15.1

277 24.6 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: 23.92 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

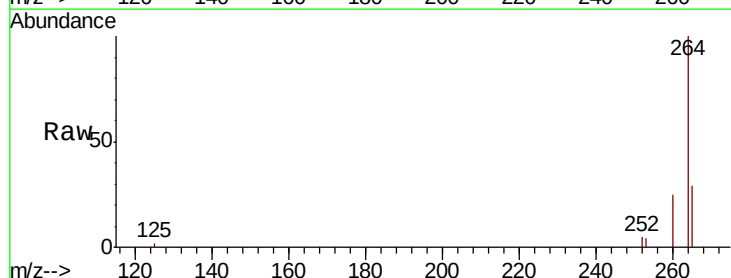
Tgt Ion:264 Resp: 10600

Ion Ratio Lower Upper

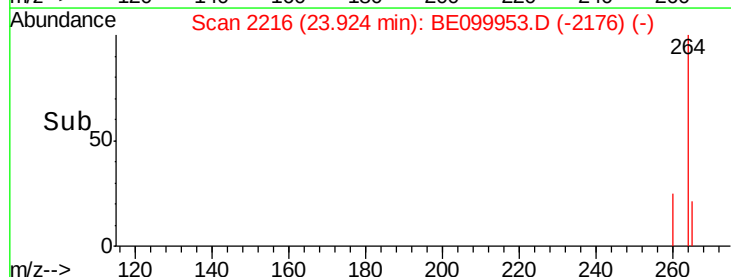
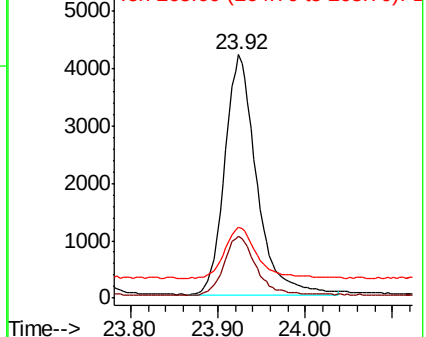
264 100

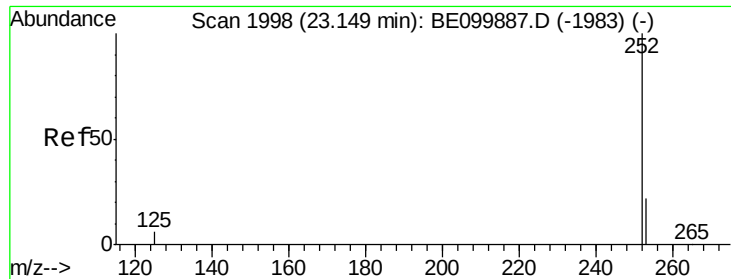
260 25.4 20.2 30.2

265 29.0 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: 0.425 ng

RT: 23.20 min Scan# 2012

Delta R.T. 0.05 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

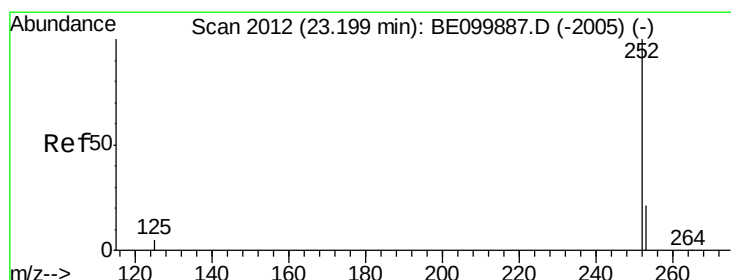
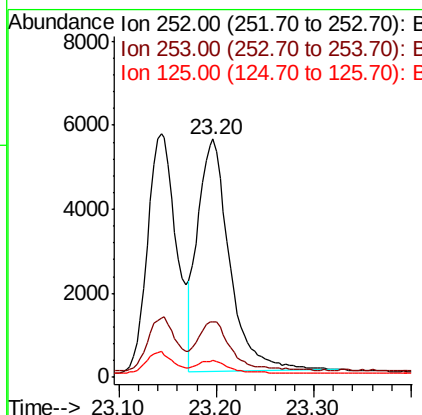
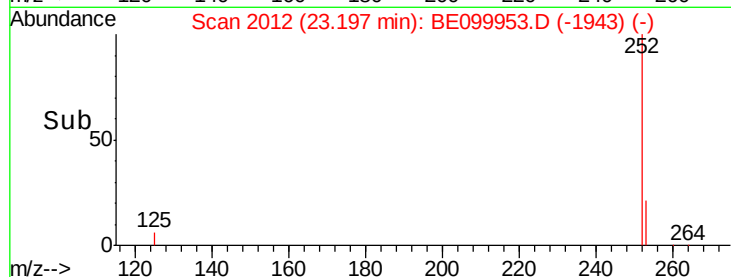
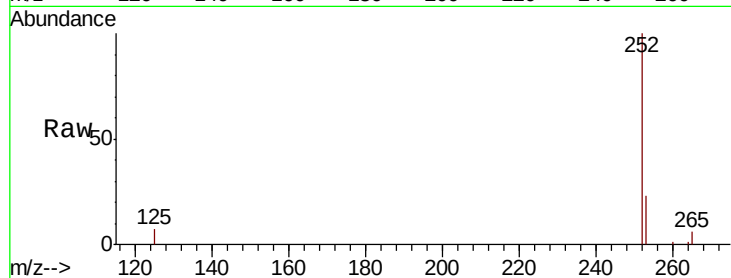
Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

Tgt Ion:	252	Resp:	12617
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.7	28.1
125	7.2	5.7	8.5



#36

Benzo(k)fluoranthene

Concen: 0.413 ng

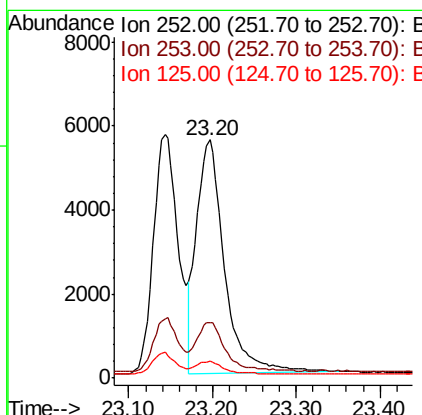
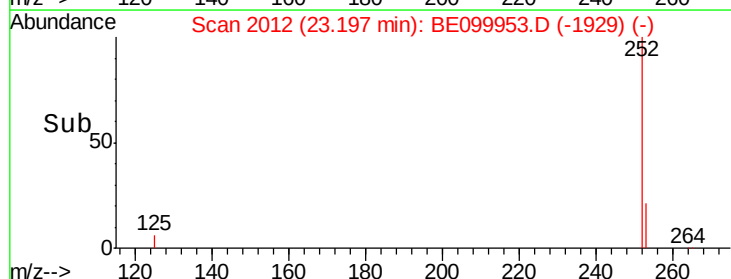
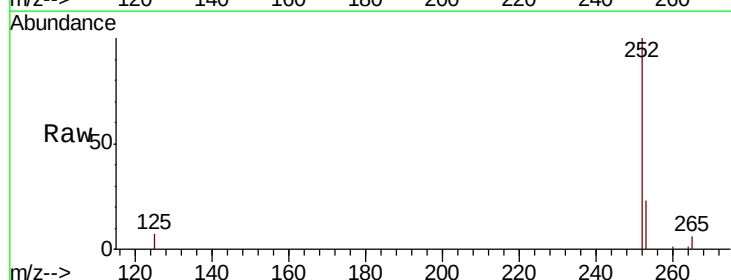
RT: 23.20 min Scan# 2012

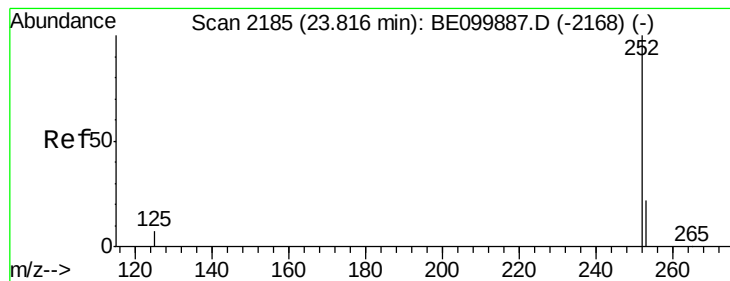
Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Tgt Ion:	252	Resp:	12817
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	7.2	5.4	8.0





#37

Benzo(a)pyrene

Concen: 0.410 ng

RT: 23.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD

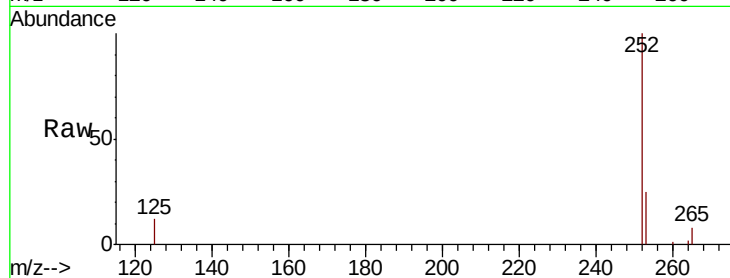
Tgt Ion: 252 Resp: 12008

Ion Ratio Lower Upper

252 100

253 25.1 19.6 29.4

125 11.6 6.6 10.0#

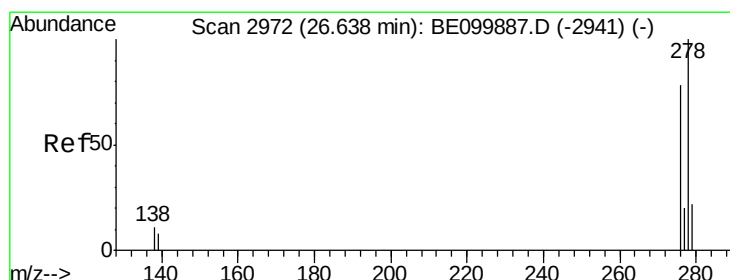
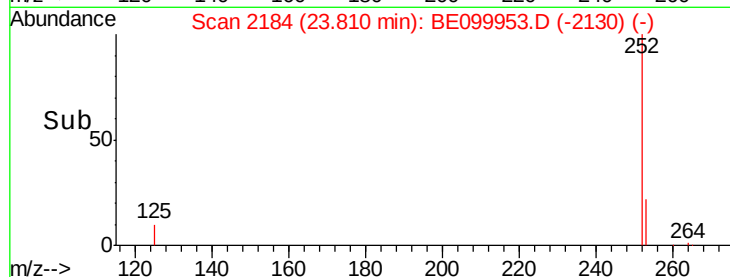
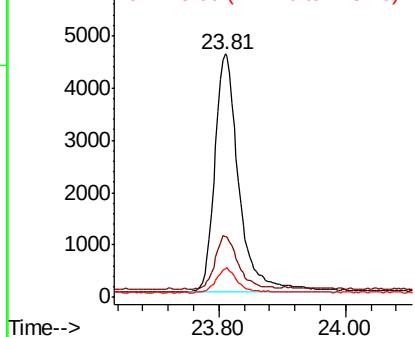


Abundance

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: 0.368 ng

RT: 26.64 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BE099953.D

Acq: 12 Jun 2019 13:10

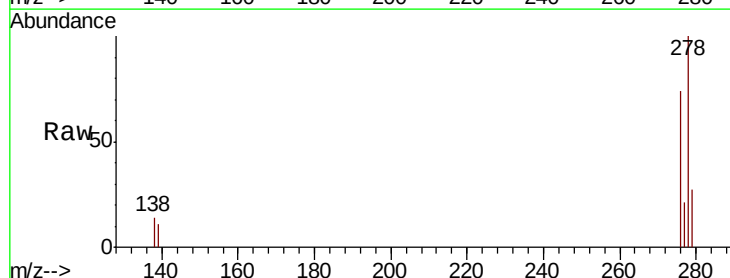
Tgt Ion: 278 Resp: 10835

Ion Ratio Lower Upper

278 100

139 11.0 7.8 11.8

279 26.7 20.0 30.0

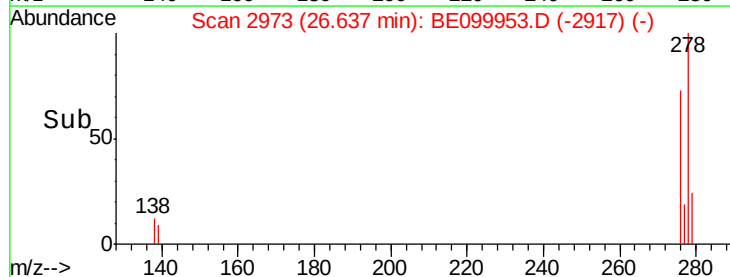
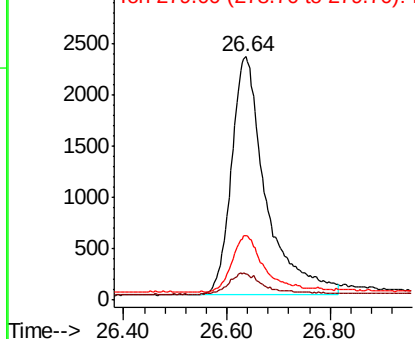


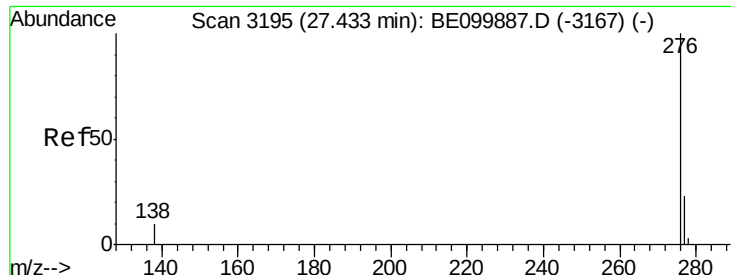
Abundance

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: 0.390 ng

RT: 27.43 min Scan# 3195

Delta R.T. -0.00 min

Lab File: BE099953.D

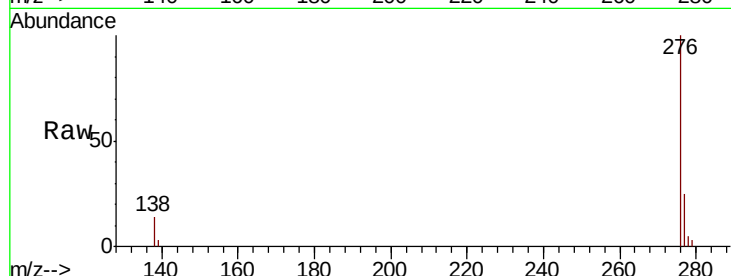
Acq: 12 Jun 2019 13:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190605MSD



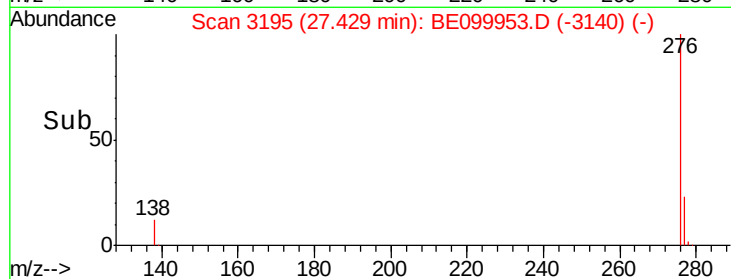
Tgt Ion: 276 Resp: 11871

Ion Ratio Lower Upper

276 100

277 25.0 19.5 29.3

138 13.5 9.5 14.3



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

