

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032919\
 Data File : BE099252.D
 Acq On : 29 Mar 2019 13:19
 Operator : JU/SJ
 Sample : K1982-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW008-032519

Quant Time: Mar 29 22:55:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	3566	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	14059	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	10266	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	30453	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	36800	0.40	ng	-0.01
34) Perylene-d12	23.89	264	34398	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3032	0.28	ng	0.00
5) Phenol-d6	6.99	99	4214	0.26	ng	0.00
8) Nitrobenzene-d5	8.99	82	3020	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	7849	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	990	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	11886	0.28	ng	0.00
25) Fluoranthene-d10	19.23	212	112553	0.31	ng	-0.01
29) Terphenyl-d14	19.83	244	18446	0.23	ng	0.00

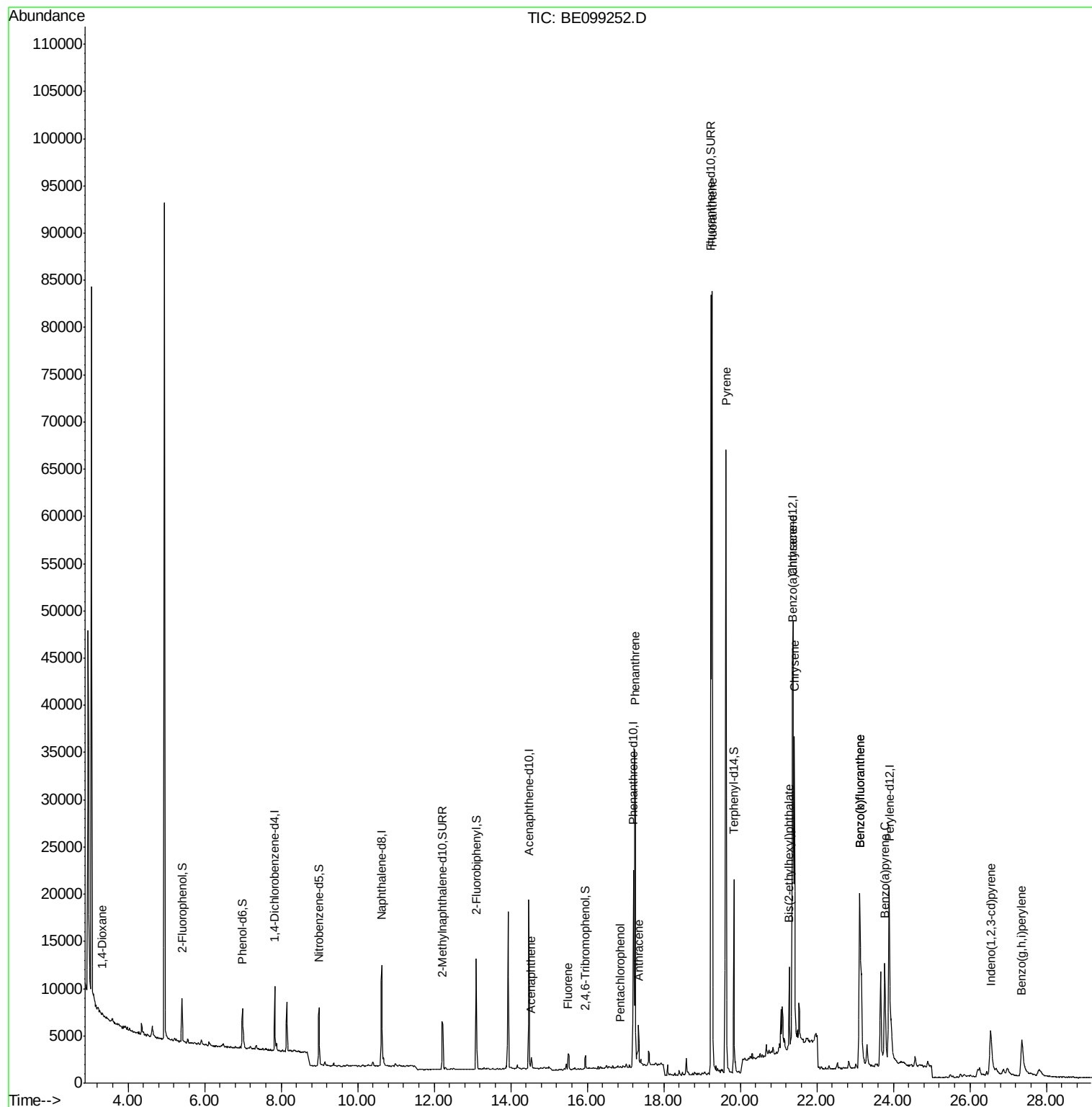
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	151	0.032	ng	# 30
17) Acenaphthene	14.53	154	636	0.020	ng	# 91
18) Fluorene	15.50	166	1449	0.033	ng	97
22) Pentachlorophenol	16.85	266	72	0.265	ng	87
23) Phenanthrene	17.24	178	38790	0.434	ng	99
24) Anthracene	17.34	178	4599	0.057	ng	97
26) Fluoranthene	19.27	202	79502	0.697	ng	99
28) Pyrene	19.63	202	65476	0.536	ng	# 95
30) Benzo(a)anthracene	21.37	228	26893	0.221	ng	97
31) Chrysene	21.42	228	29963	0.231	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	9644	0.067	ng	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	12562	0.102	ng	# 88
35) Benzo(b)fluoranthene	23.12	252	36895	0.326	ng	# 88
36) Benzo(k)fluoranthene	23.12	252	36895	0.308	ng	# 88
37) Benzo(a)pyrene	23.77	252	19780	0.187	ng	# 95
39) Benzo(g,h,i)perylene	27.36	276	13735	0.146	ng	95

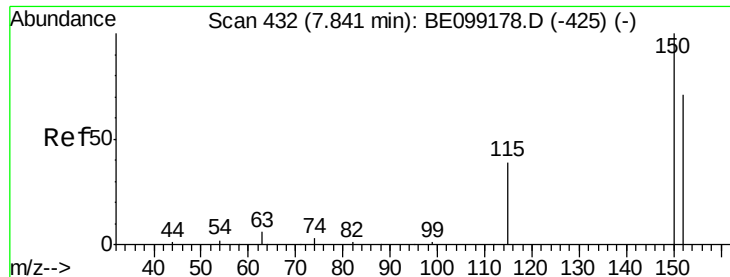
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

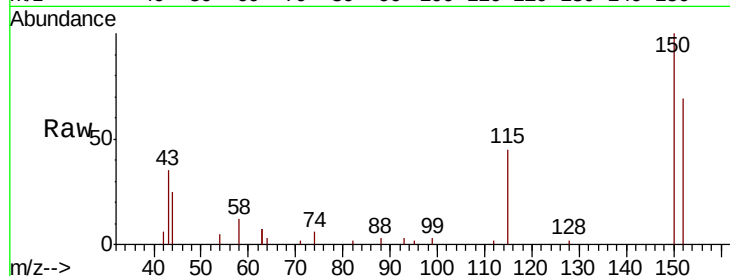
Tgt Ion:152 Resp: 3566

Ion Ratio Lower Upper

152 100

150 145.4 112.8 169.2

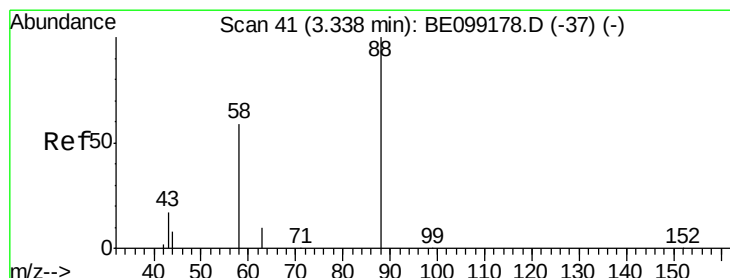
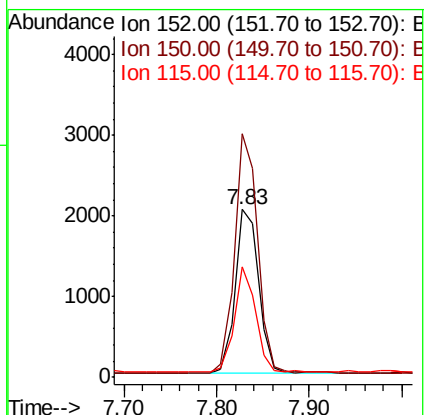
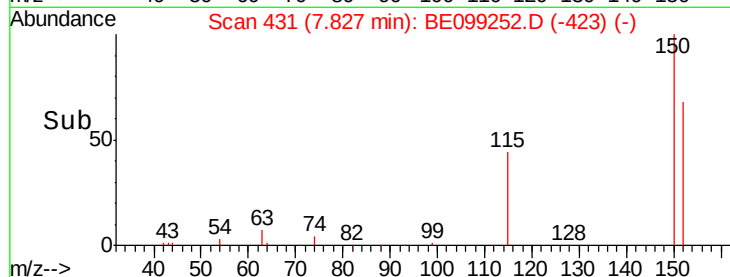
115 65.9 45.1 67.7



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: 0.032 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

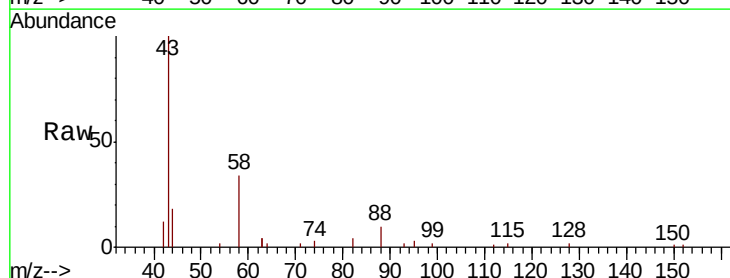
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

58 0.0 47.4 71.0#

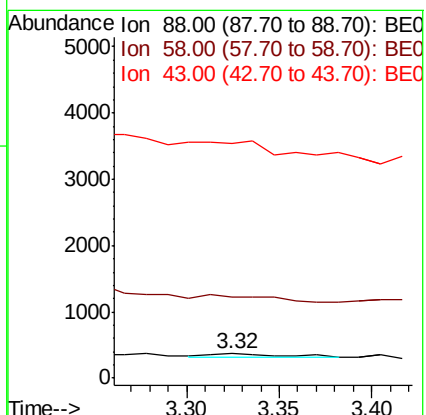
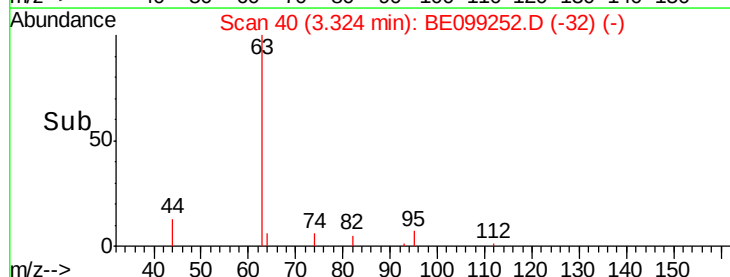
43 0.0 15.6 23.4#

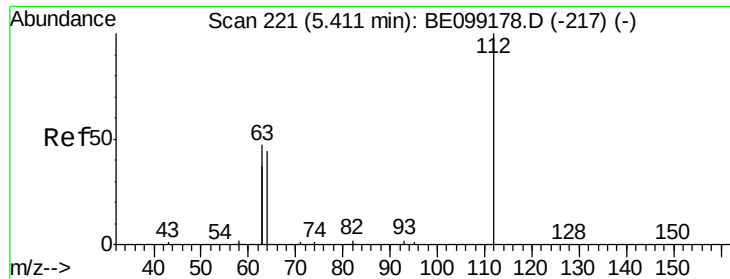


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.285 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

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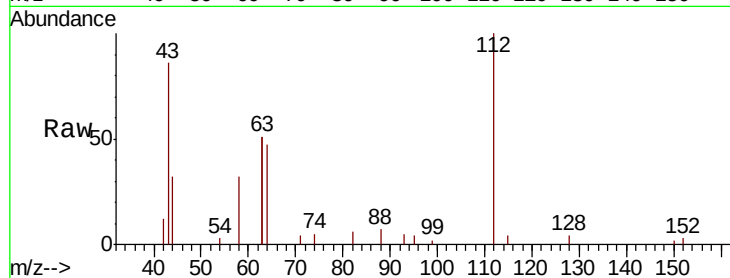
Tgt Ion: 112 Resp: 3032

Ion Ratio Lower Upper

112 100

64 56.6 46.2 69.2

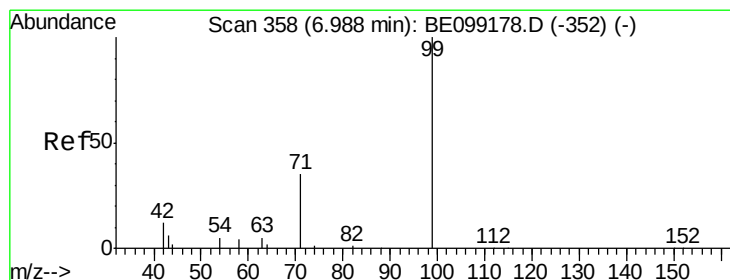
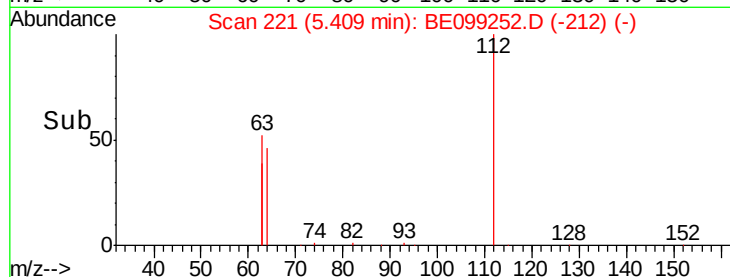
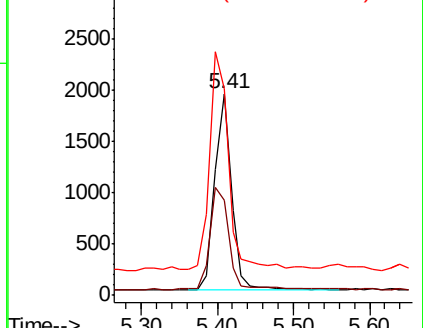
63 118.0 89.9 134.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.259 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

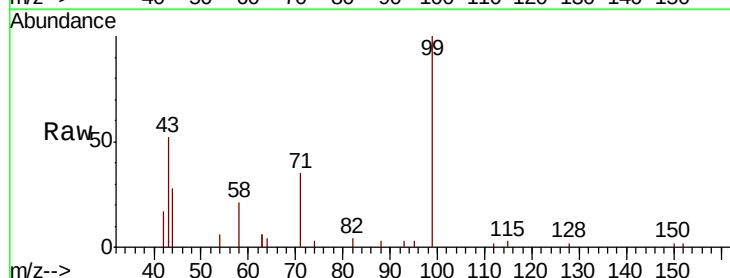
Tgt Ion: 99 Resp: 4214

Ion Ratio Lower Upper

99 100

42 17.7 12.4 18.6

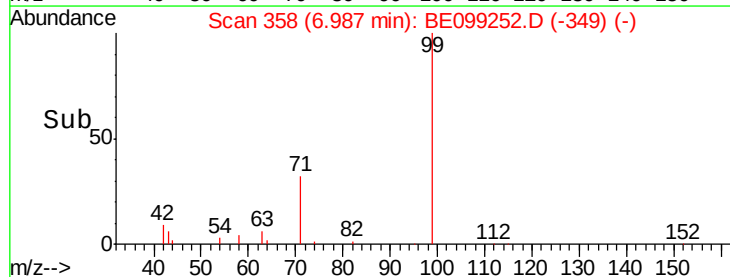
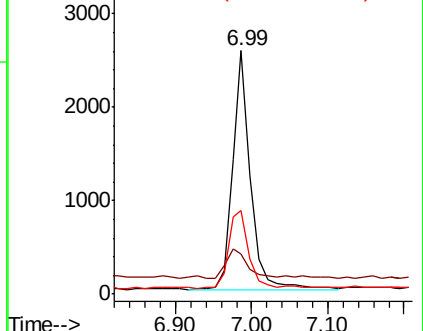
71 37.3 28.4 42.6

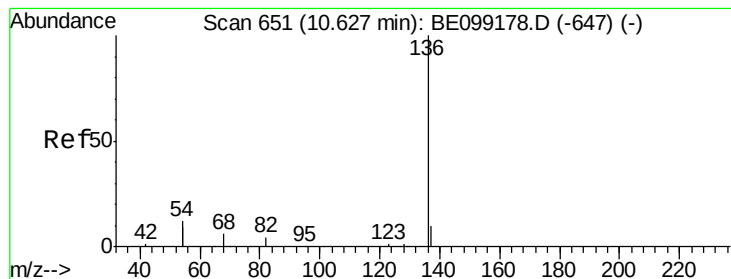


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

Tgt Ion: 136 Resp: 14059

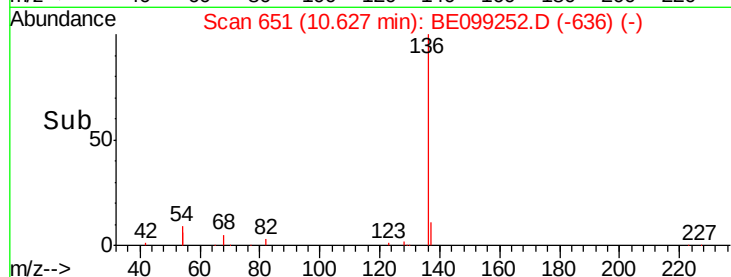
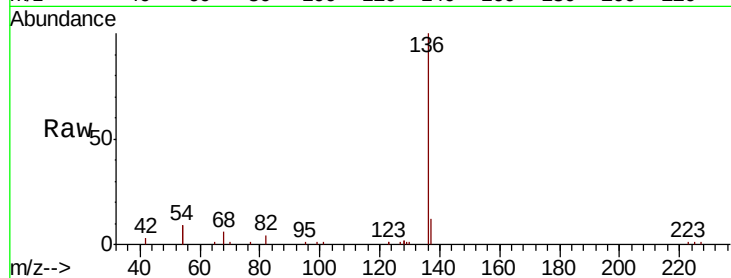
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 17.8 18.7 28.1#

68 5.7 5.2 7.8



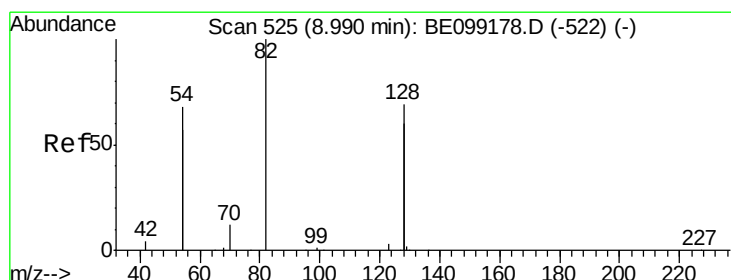
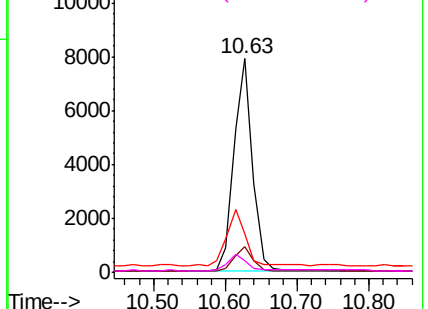
Abundance

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: 0.263 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

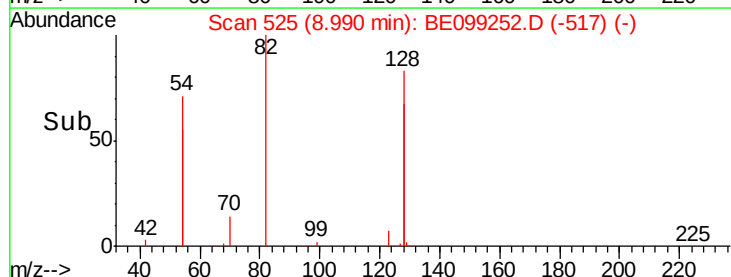
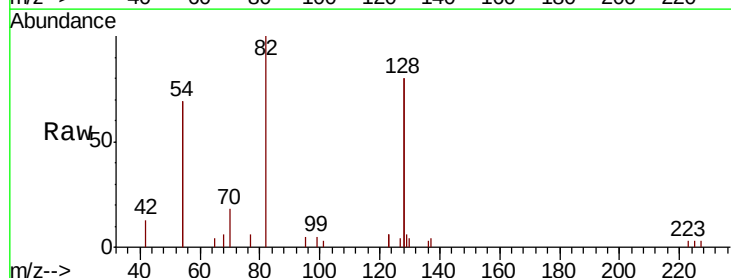
Tgt Ion: 82 Resp: 3020

Ion Ratio Lower Upper

82 100

128 160.2 107.5 161.3

54 137.1 106.3 159.5

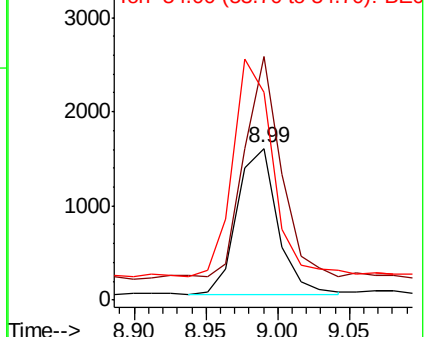


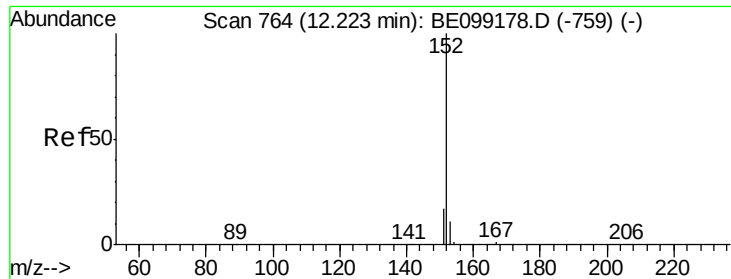
Abundance

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

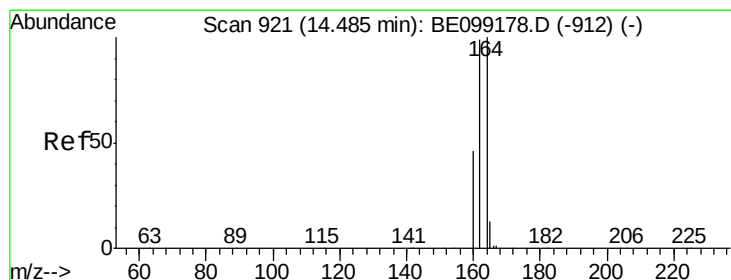
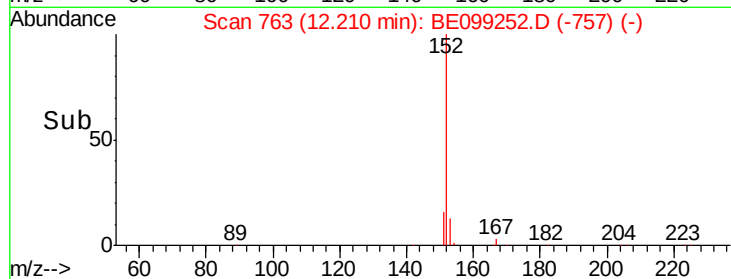
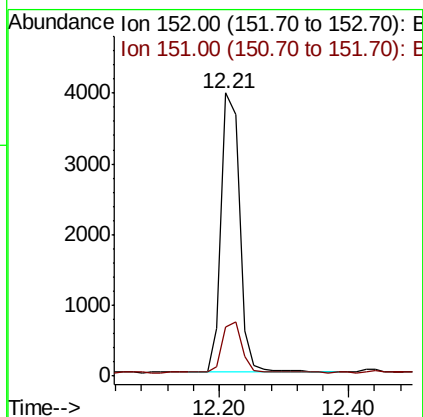
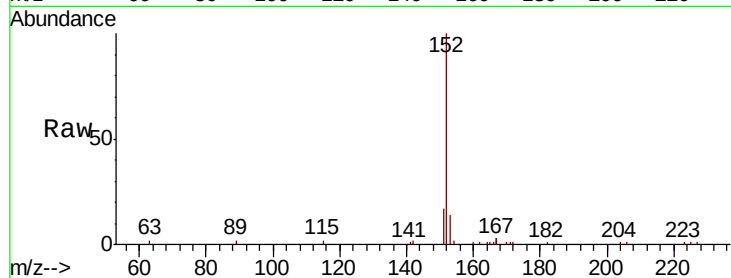




#11
 2-Methylnaphthalene-d10
 Concen: 0.290 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099252.D
 Acq: 29 Mar 2019 13:19

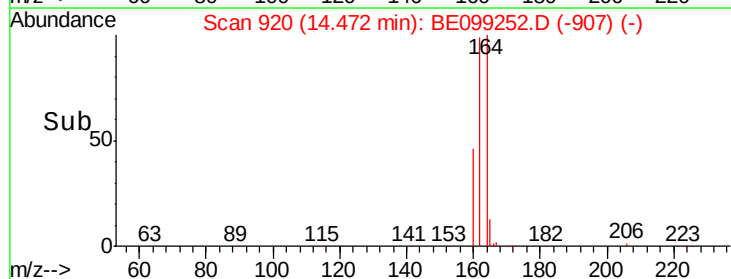
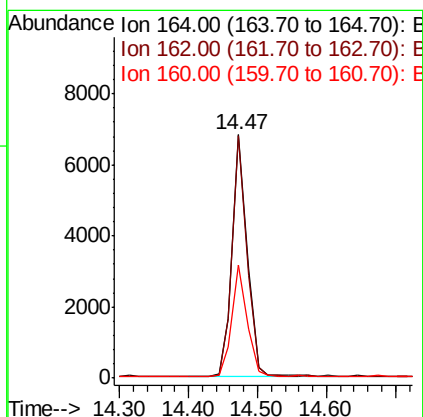
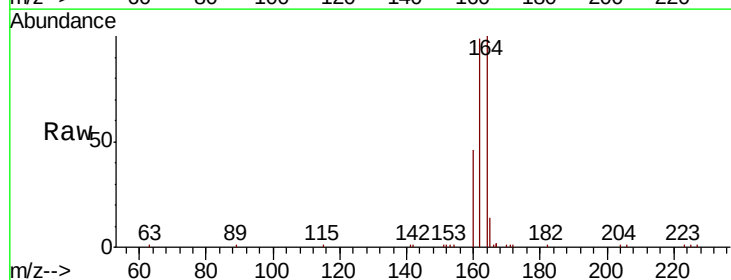
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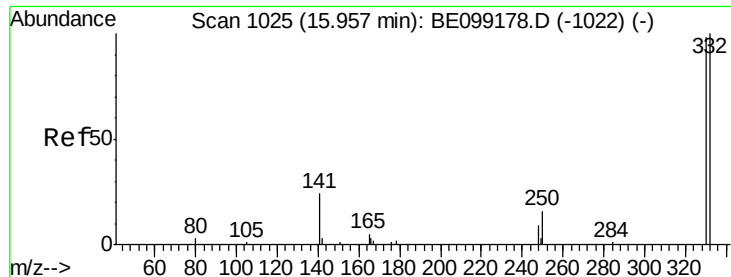
Tgt Ion:152 Resp: 7849
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.0 22.6



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BE099252.D
 Acq: 29 Mar 2019 13:19

Tgt Ion:164 Resp: 10266
 Ion Ratio Lower Upper
 164 100
 162 99.3 79.2 118.8
 160 46.5 36.7 55.1

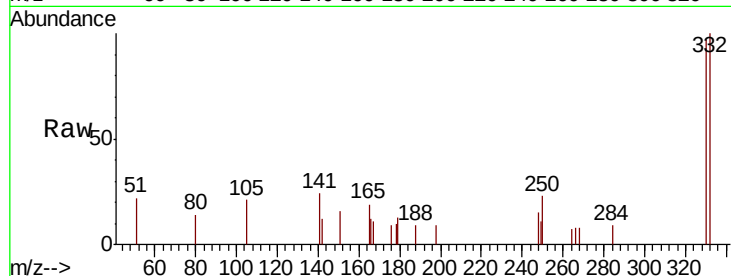




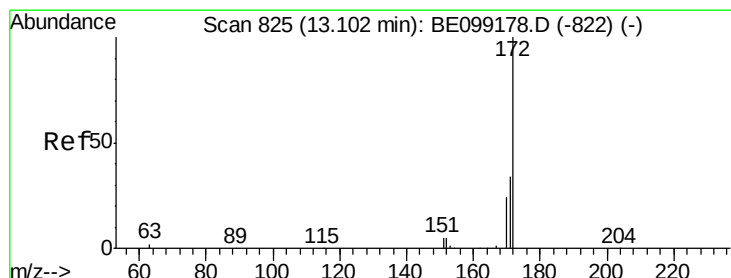
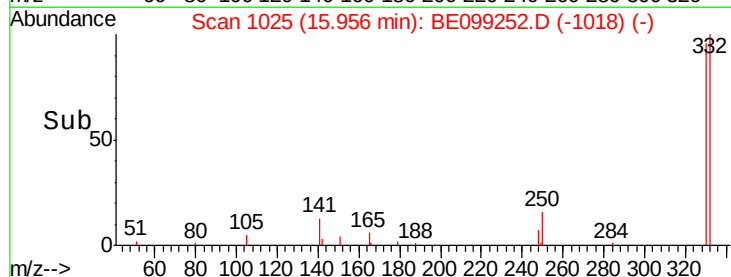
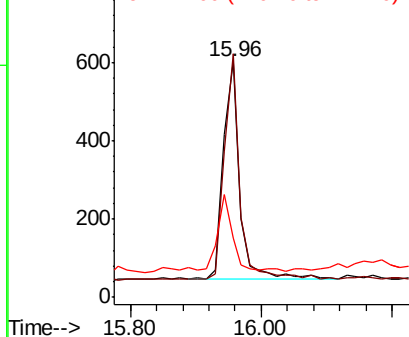
#14
 2,4,6-Tribromophenol
 Concen: 0.399 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099252.D
 Acq: 29 Mar 2019 13:19

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW008-032519

Tgt Ion: 330 Resp: 990
 Ion Ratio Lower Upper
 330 100
 332 98.6 71.3 106.9
 141 28.7 21.7 32.5

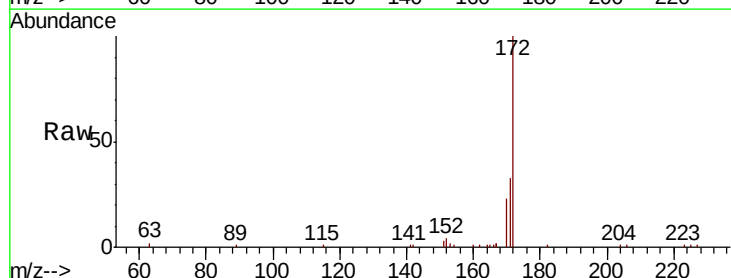


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

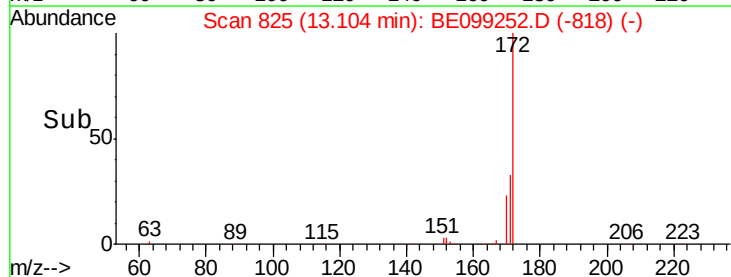
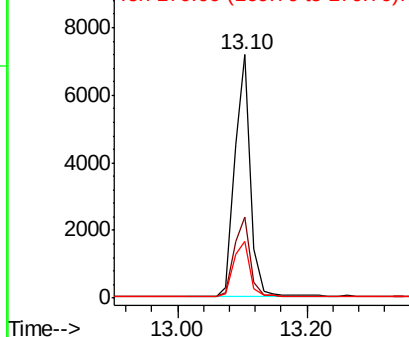


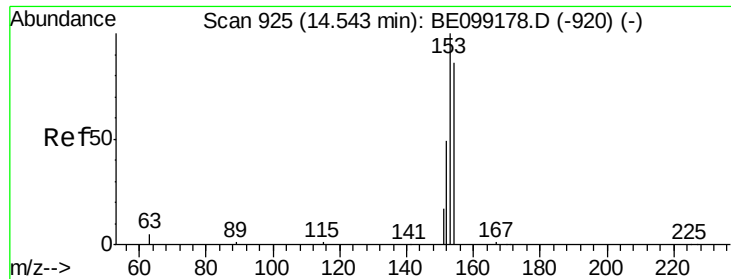
#15
 2-Fluorobiphenyl
 Concen: 0.284 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE099252.D
 Acq: 29 Mar 2019 13:19

Tgt Ion: 172 Resp: 11886
 Ion Ratio Lower Upper
 172 100
 171 33.1 27.4 41.0
 170 23.5 19.1 28.7



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

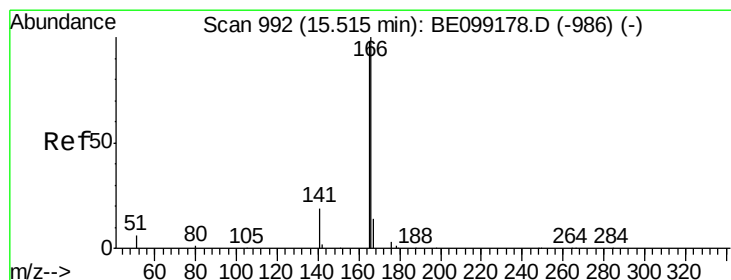
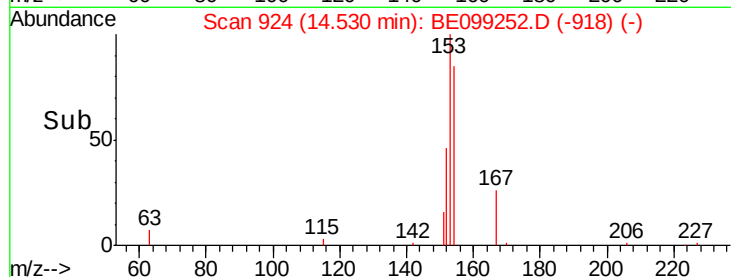
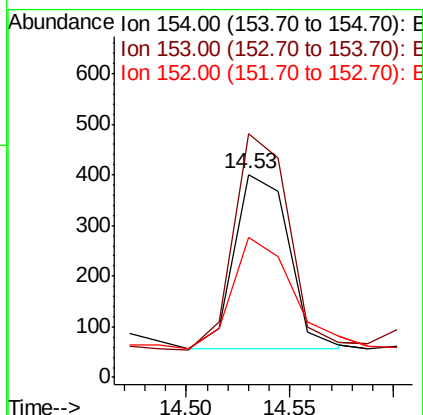
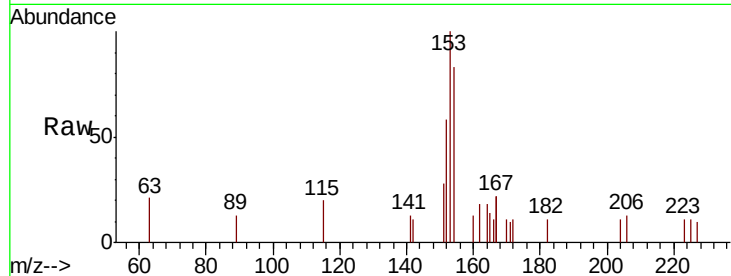




#17
Acenaphthene
Concen: 0.020 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099252.D
Acq: 29 Mar 2019 13:19

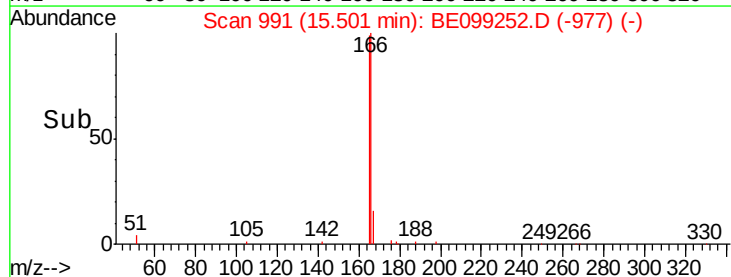
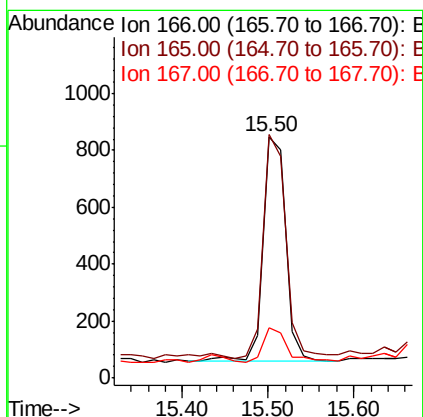
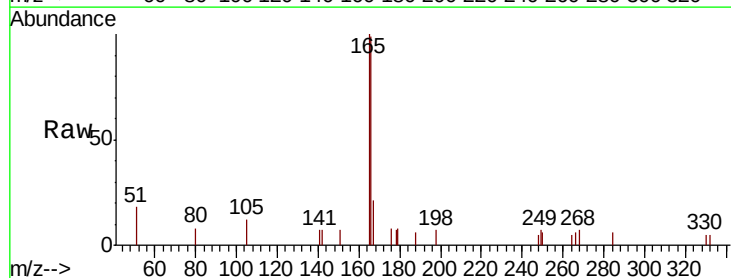
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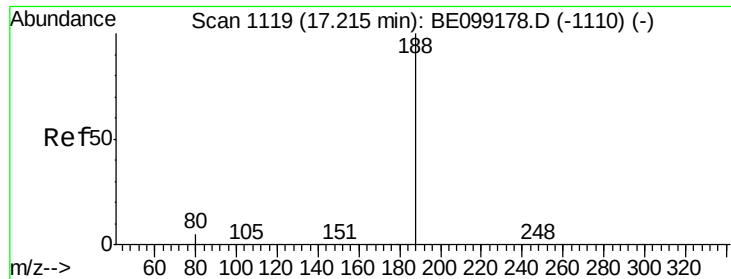
Tgt Ion:154 Resp: 636
Ion Ratio Lower Upper
154 100
153 122.6 93.4 140.0
152 70.4 46.6 69.8#



#18
Fluorene
Concen: 0.033 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099252.D
Acq: 29 Mar 2019 13:19

Tgt Ion:166 Resp: 1449
Ion Ratio Lower Upper
166 100
165 100.6 78.9 118.3
167 16.1 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

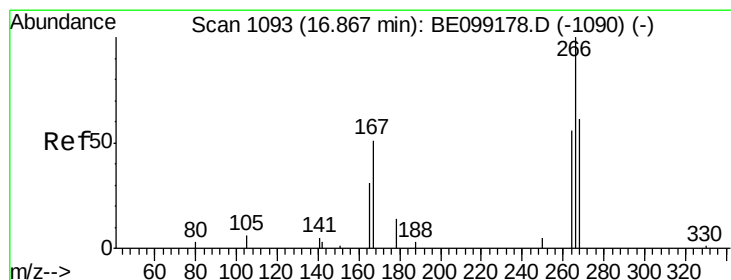
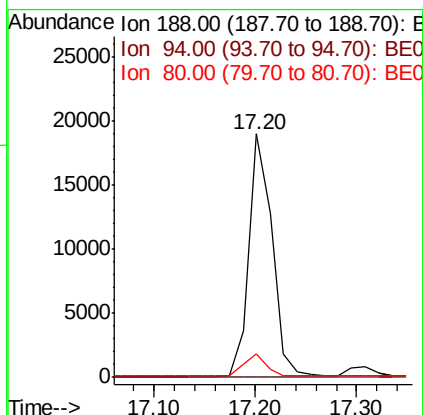
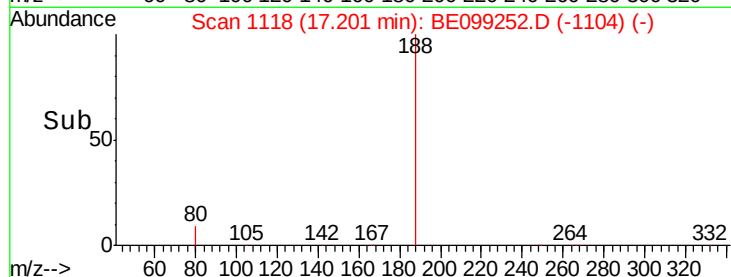
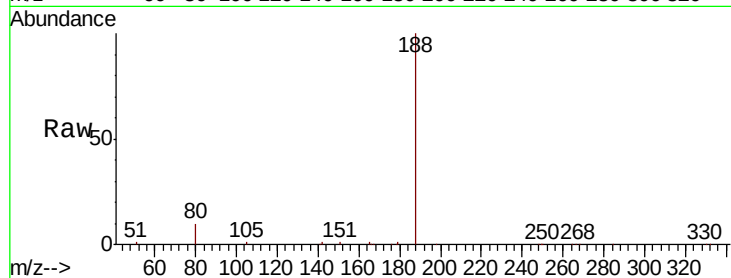
Tgt Ion:188 Resp: 30453

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 4.5 6.7#



#22

Pentachlorophenol

Concen: 0.265 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

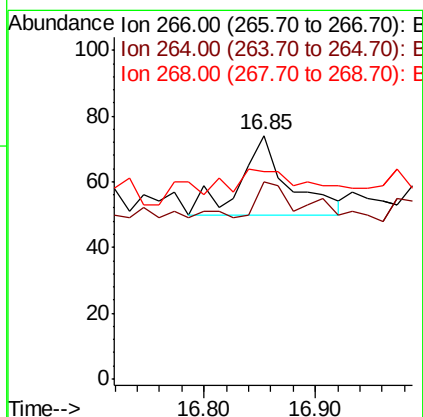
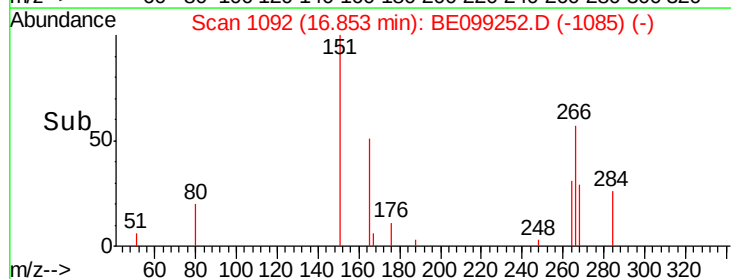
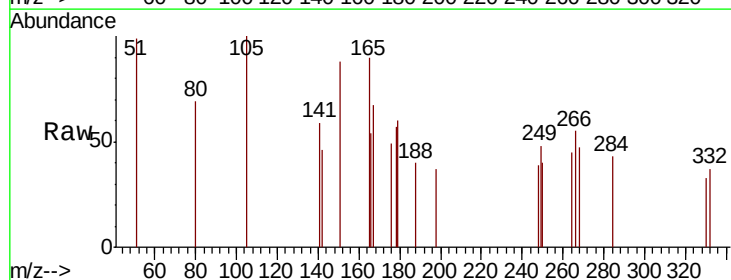
Tgt Ion:266 Resp: 72

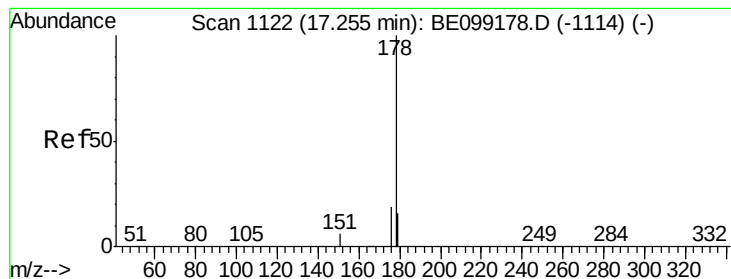
Ion Ratio Lower Upper

266 100

264 81.1 54.4 81.6

268 85.1 61.3 91.9





#23

Phenanthrene

Concen: 0.434 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

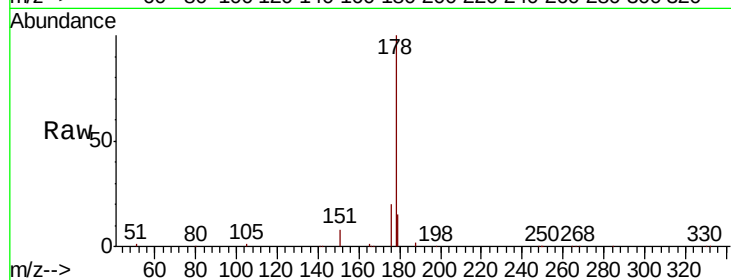
Tgt Ion:178 Resp: 38790

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

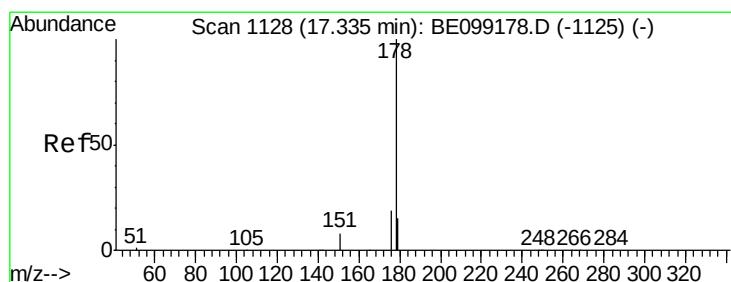
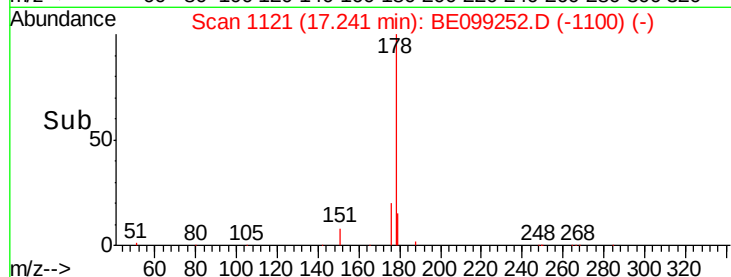
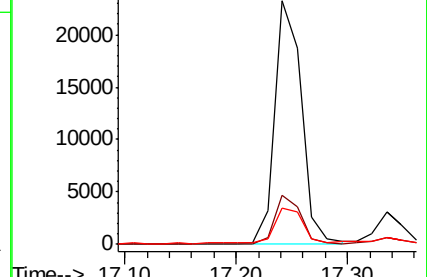
179 15.9 12.3 18.5



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



#24

Anthracene

Concen: 0.057 ng

RT: 17.34 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

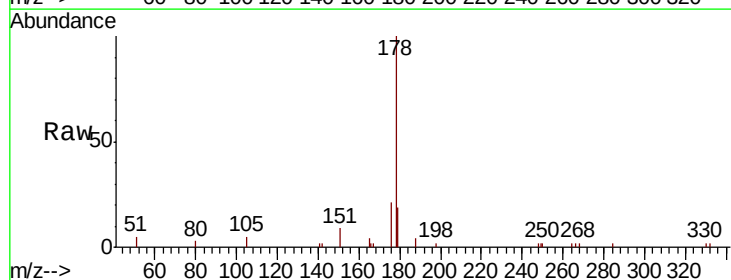
Tgt Ion:178 Resp: 4599

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

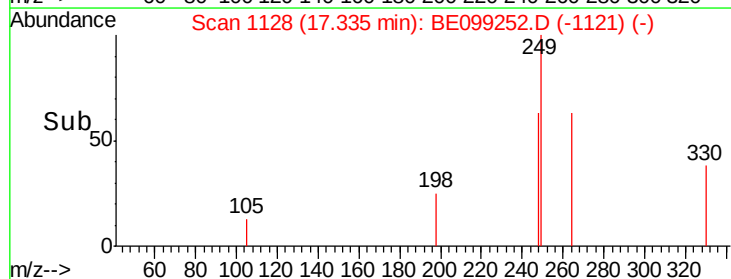
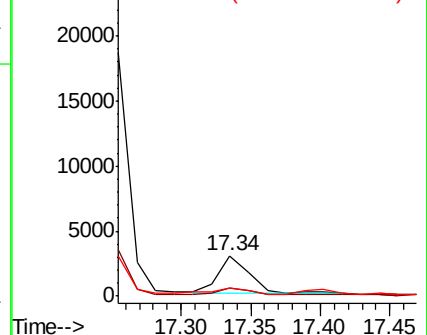
179 17.8 12.4 18.6

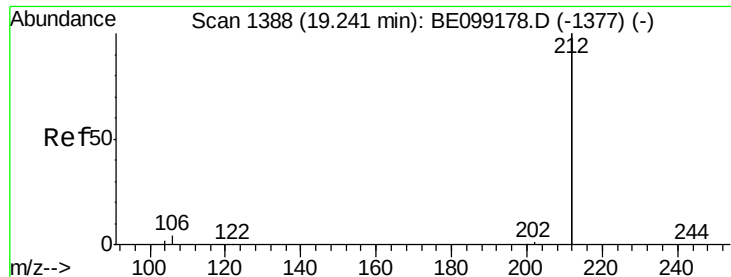


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.305 ng

RT: 19.23 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

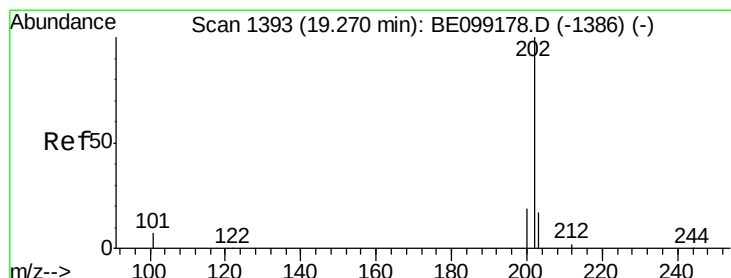
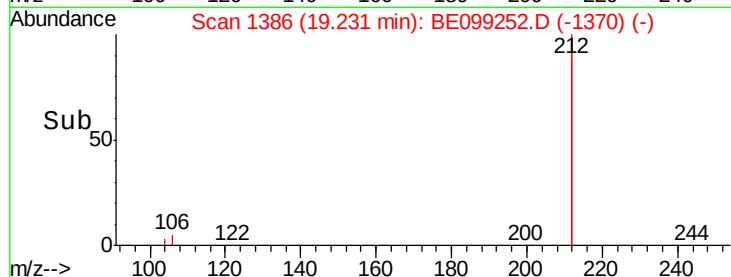
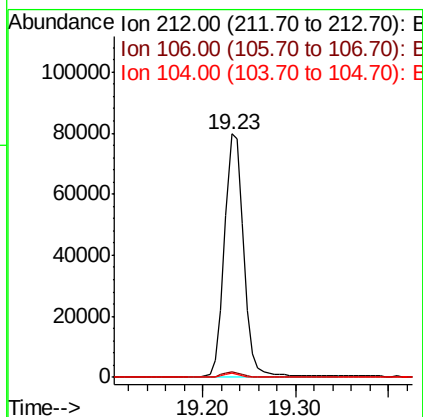
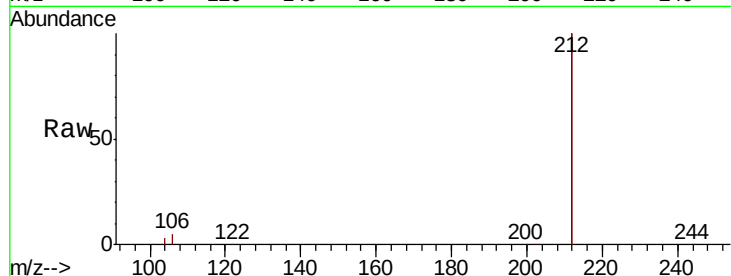
Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

Tgt Ion:	212	Resp:	112553
Ion	Ratio	Lower	Upper
212	100		
106	2.2	1.8	2.8
104	1.3	1.1	1.7



#26

Fluoranthene

Concen: 0.697 ng

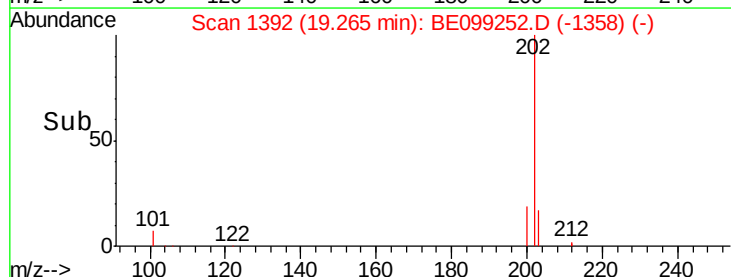
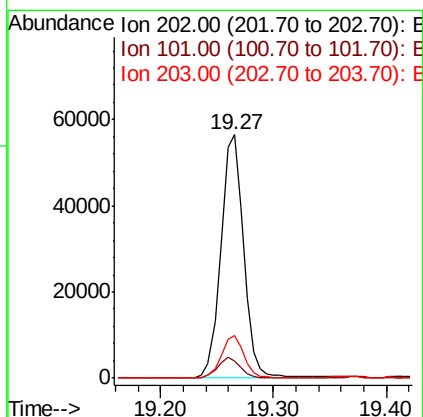
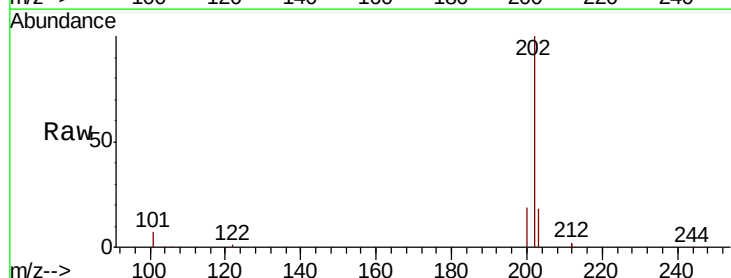
RT: 19.27 min Scan# 1392

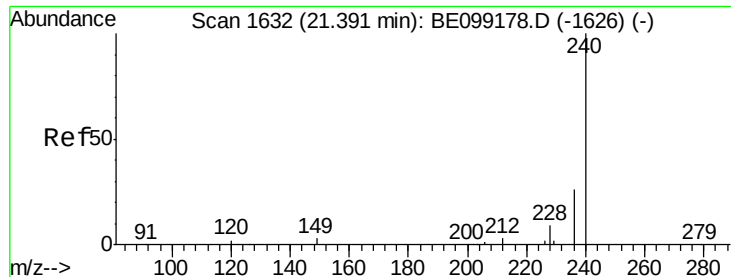
Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Tgt Ion:	202	Resp:	79502
Ion	Ratio	Lower	Upper
202	100		
101	8.0	7.0	10.4
203	17.0	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

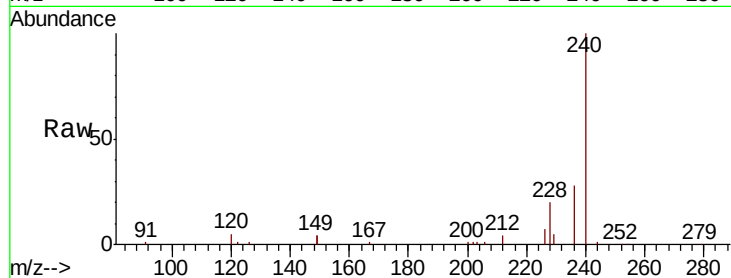
Tgt Ion:240 Resp: 36800

Ion Ratio Lower Upper

240 100

120 4.7 2.6 3.8#

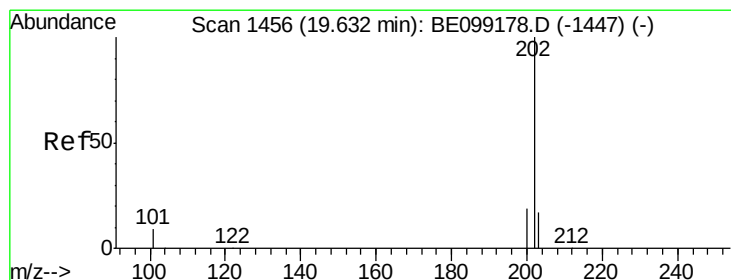
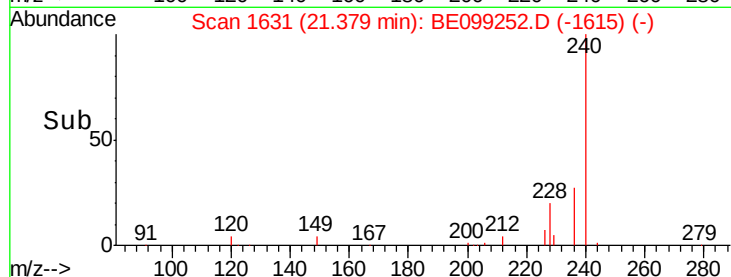
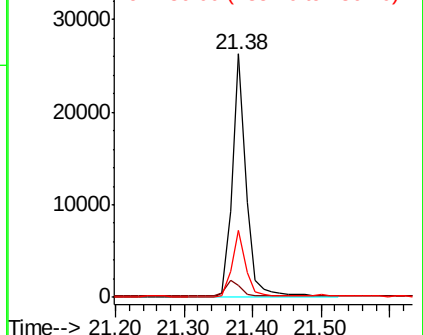
236 27.5 20.9 31.3



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: 0.536 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

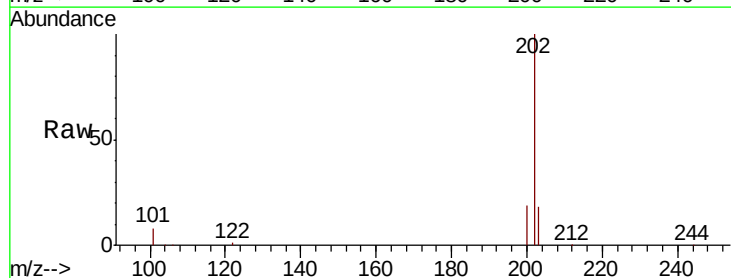
Tgt Ion:202 Resp: 65476

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

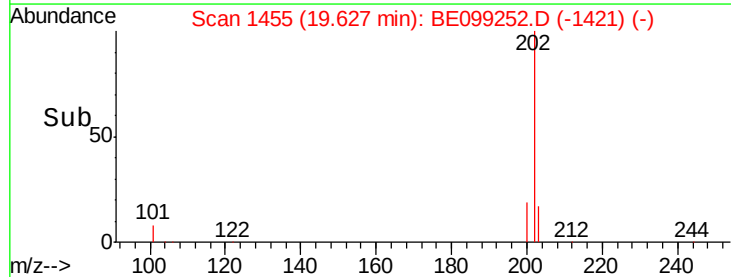
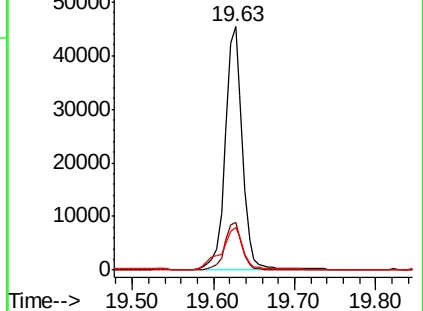
203 21.8 14.1 21.1#

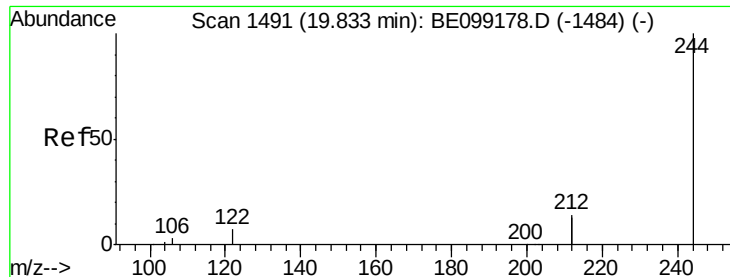


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.230 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

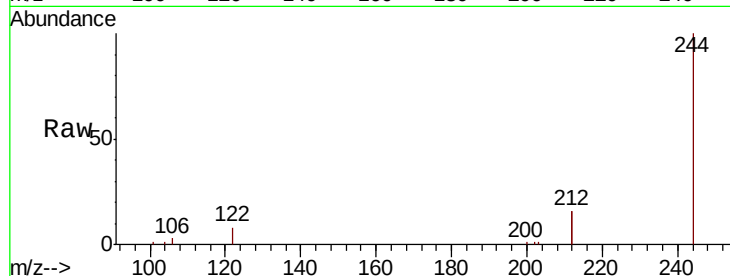
Tgt Ion:244 Resp: 18446

Ion Ratio Lower Upper

244 100

212 32.6 22.7 34.1

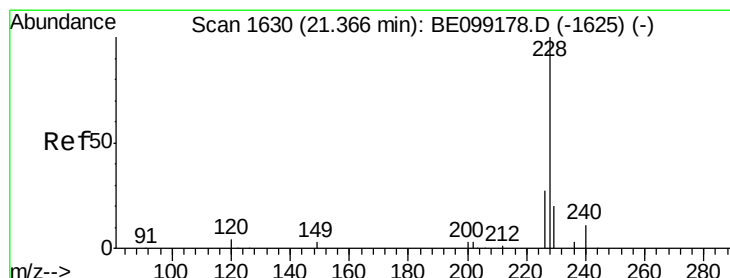
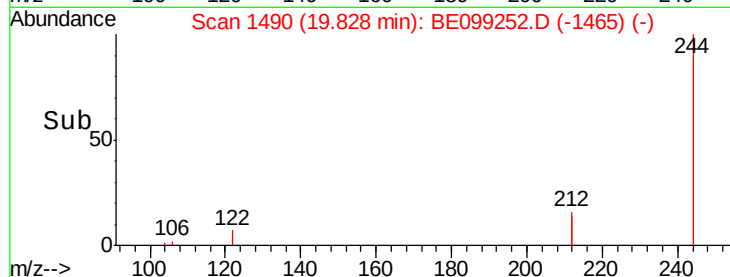
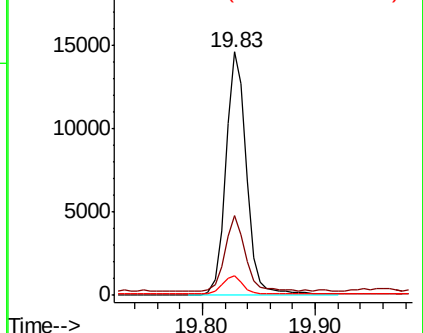
122 7.8 5.8 8.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.221 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

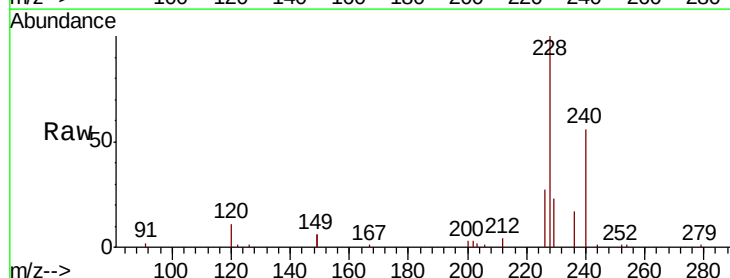
Tgt Ion:228 Resp: 26893

Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

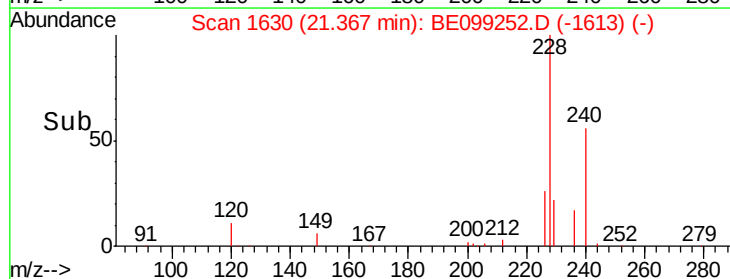
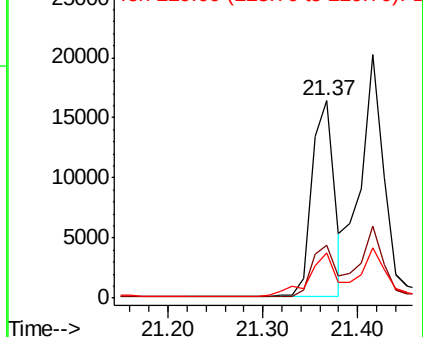
229 22.8 15.9 23.9

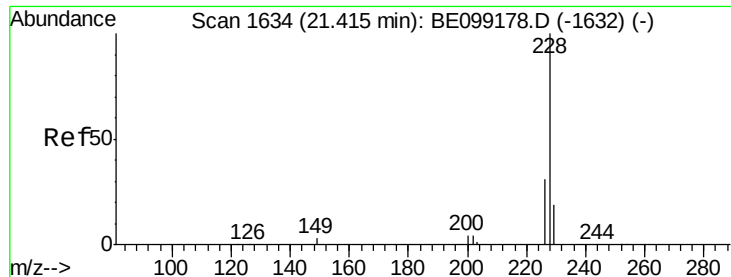


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.231 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

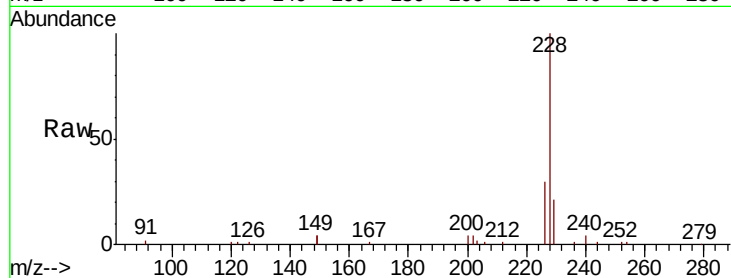
Tgt Ion:228 Resp: 29963

Ion Ratio Lower Upper

228 100

226 29.7 24.8 37.2

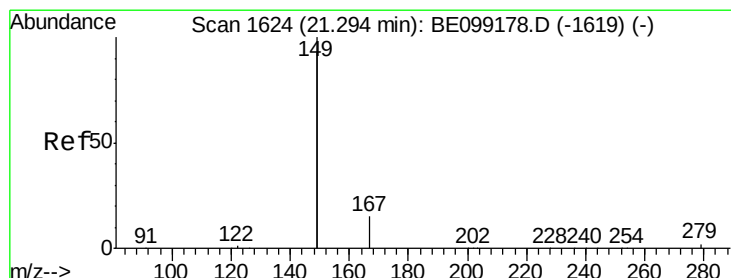
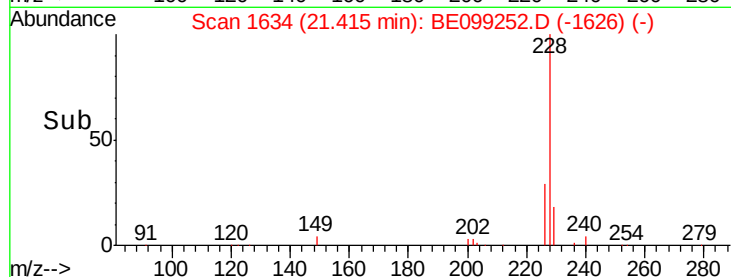
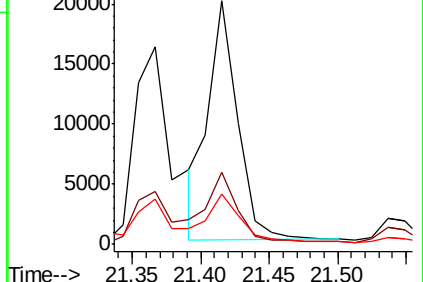
229 20.9 15.4 23.0



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: 0.067 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

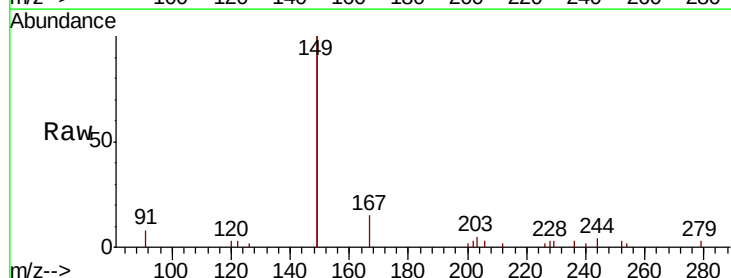
Tgt Ion:149 Resp: 9644

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

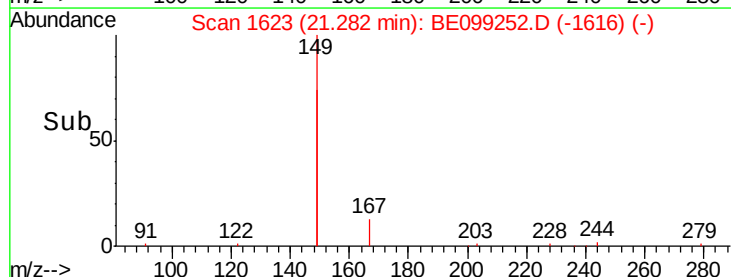
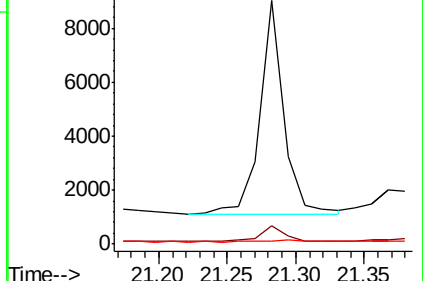
279 1.5 1.0 1.6

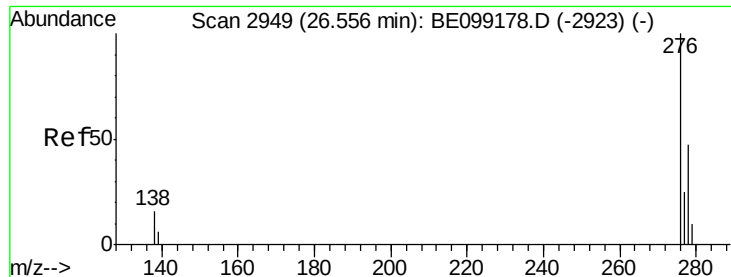


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.102 ng

RT: 26.54 min Scan# 2945

Delta R.T. -0.02 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

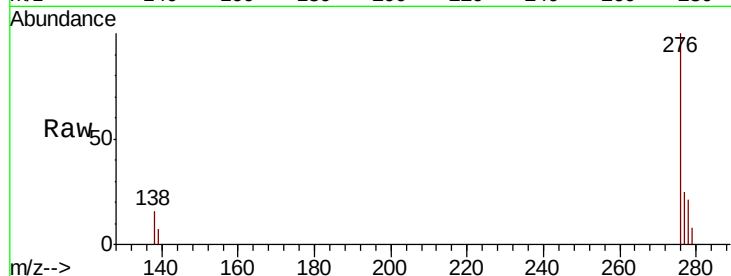
Tgt Ion: 276 Resp: 12562

Ion Ratio Lower Upper

276 100

138 5.8 12.9 19.3#

277 21.0 18.3 27.5

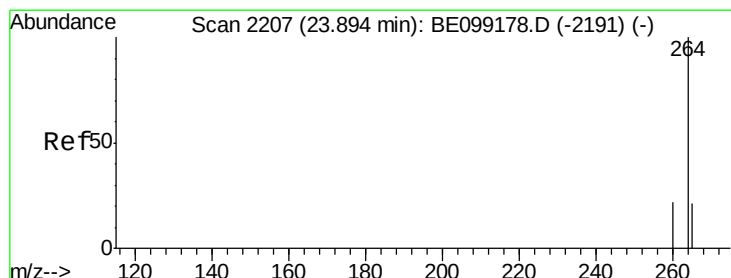
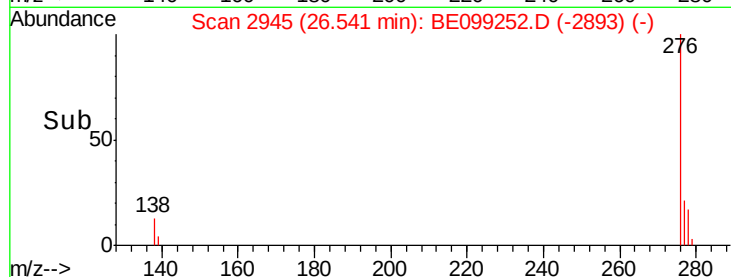
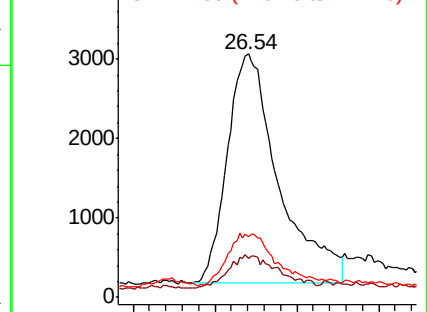


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.89 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

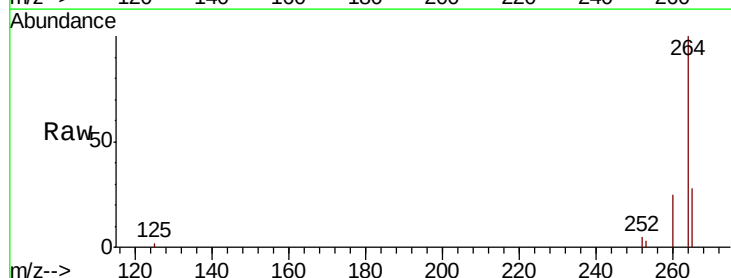
Tgt Ion: 264 Resp: 34398

Ion Ratio Lower Upper

264 100

260 25.4 18.2 27.2

265 27.7 21.8 32.8

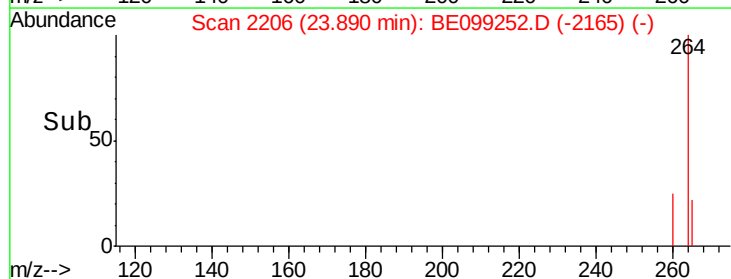
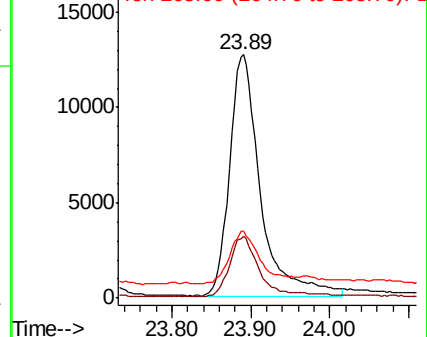


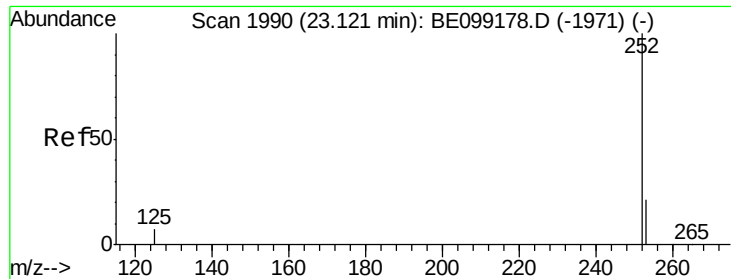
Abundance

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: 0.326 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

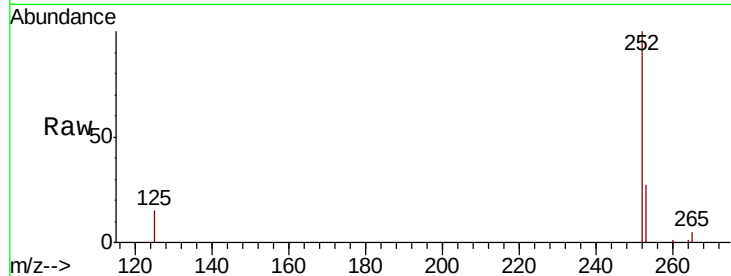
Tgt Ion:252 Resp: 36895

Ion Ratio Lower Upper

252 100

253 26.6 17.8 26.8

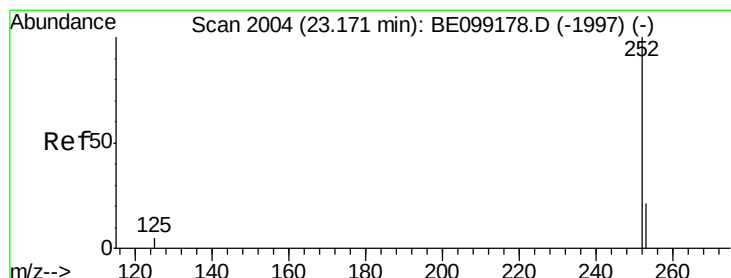
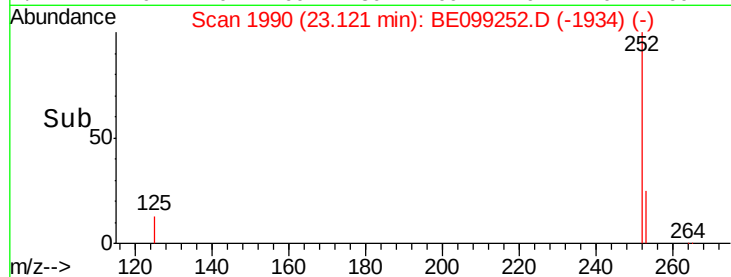
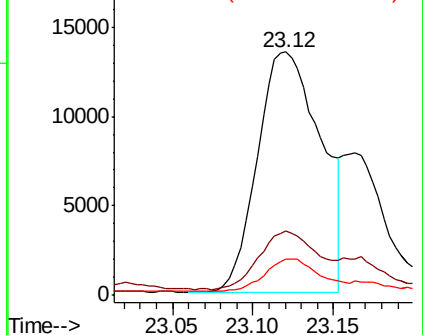
125 14.9 6.1 9.1#



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: 0.308 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.05 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

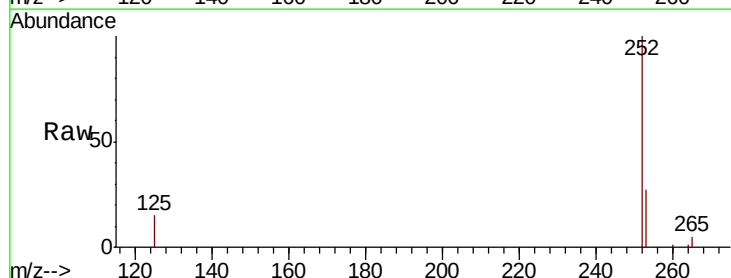
Tgt Ion:252 Resp: 36895

Ion Ratio Lower Upper

252 100

253 26.6 17.8 26.6

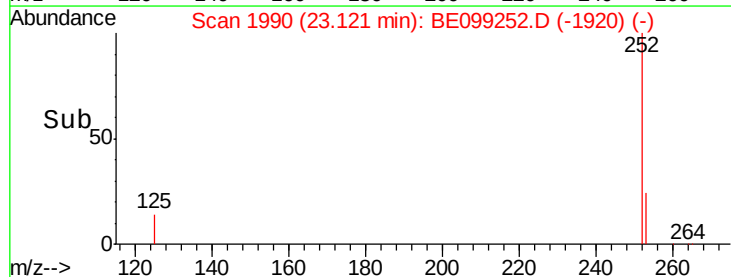
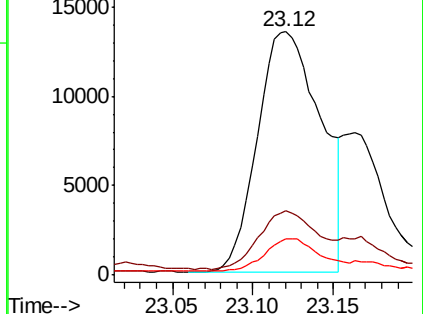
125 14.9 5.9 8.9#

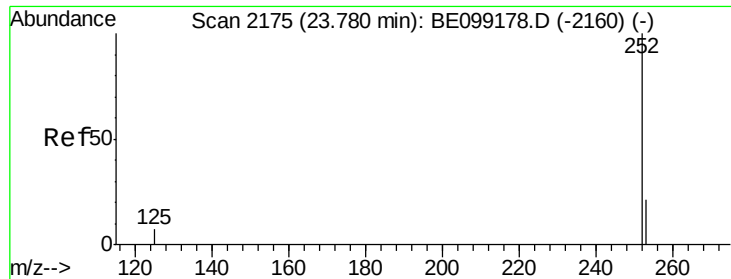


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.187 ng

RT: 23.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW008-032519

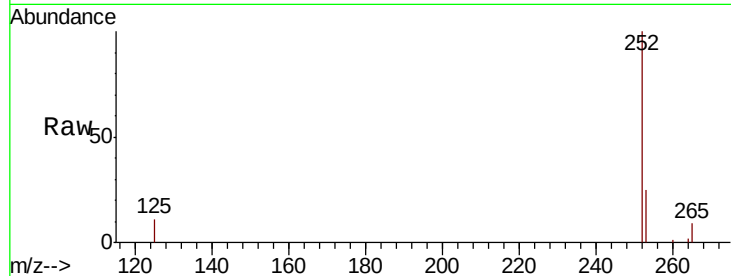
Tgt Ion:252 Resp: 19780

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

125 11.1 6.8 10.2#

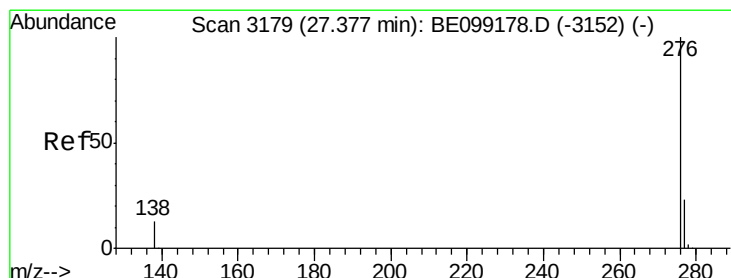
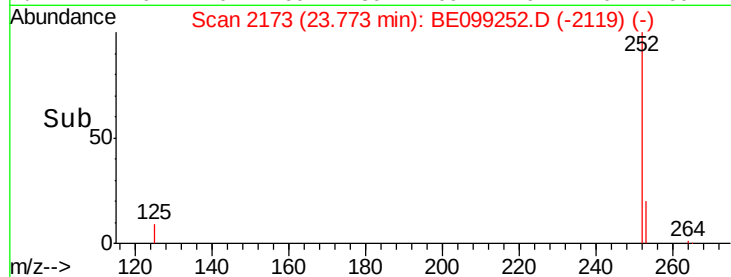
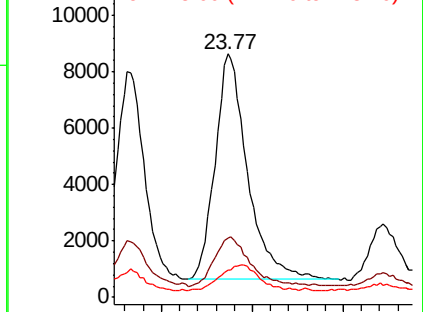


Abundance

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



#39

Benzo(g,h,i)perylene

Concen: 0.146 ng

RT: 27.36 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE099252.D

Acq: 29 Mar 2019 13:19

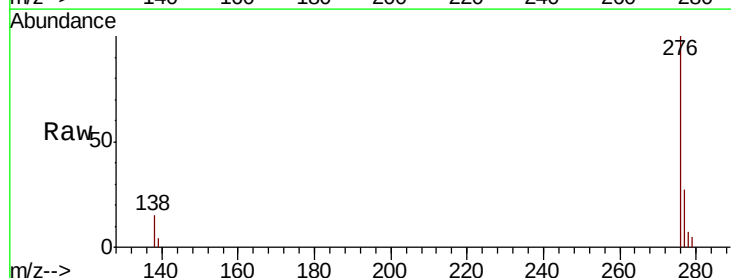
Tgt Ion:276 Resp: 13735

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.4

138 15.0 11.1 16.7



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

