

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
 Data File : BE099187.D
 Acq On : 25 Mar 2019 19:38
 Operator : JU/SJ
 Sample : PB118217BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB118217BS

Quant Time: Mar 26 07:08:32 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	7.84	152	3753	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13444	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8422	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	26795	0.40	ng	0.00
27) Chrysene-d12	21.38	240	34735	0.40	ng	-0.01
34) Perylene-d12	23.90	264	31951	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3678	0.33	ng	0.00
5) Phenol-d6	6.99	99	4858	0.28	ng	0.00
8) Nitrobenzene-d5	8.99	82	3594	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	10991	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	980	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	11655	0.34	ng	0.00
25) Fluoranthene-d10	19.24	212	116478	0.36	ng	0.00
29) Terphenyl-d14	19.83	244	23237	0.31	ng	0.00

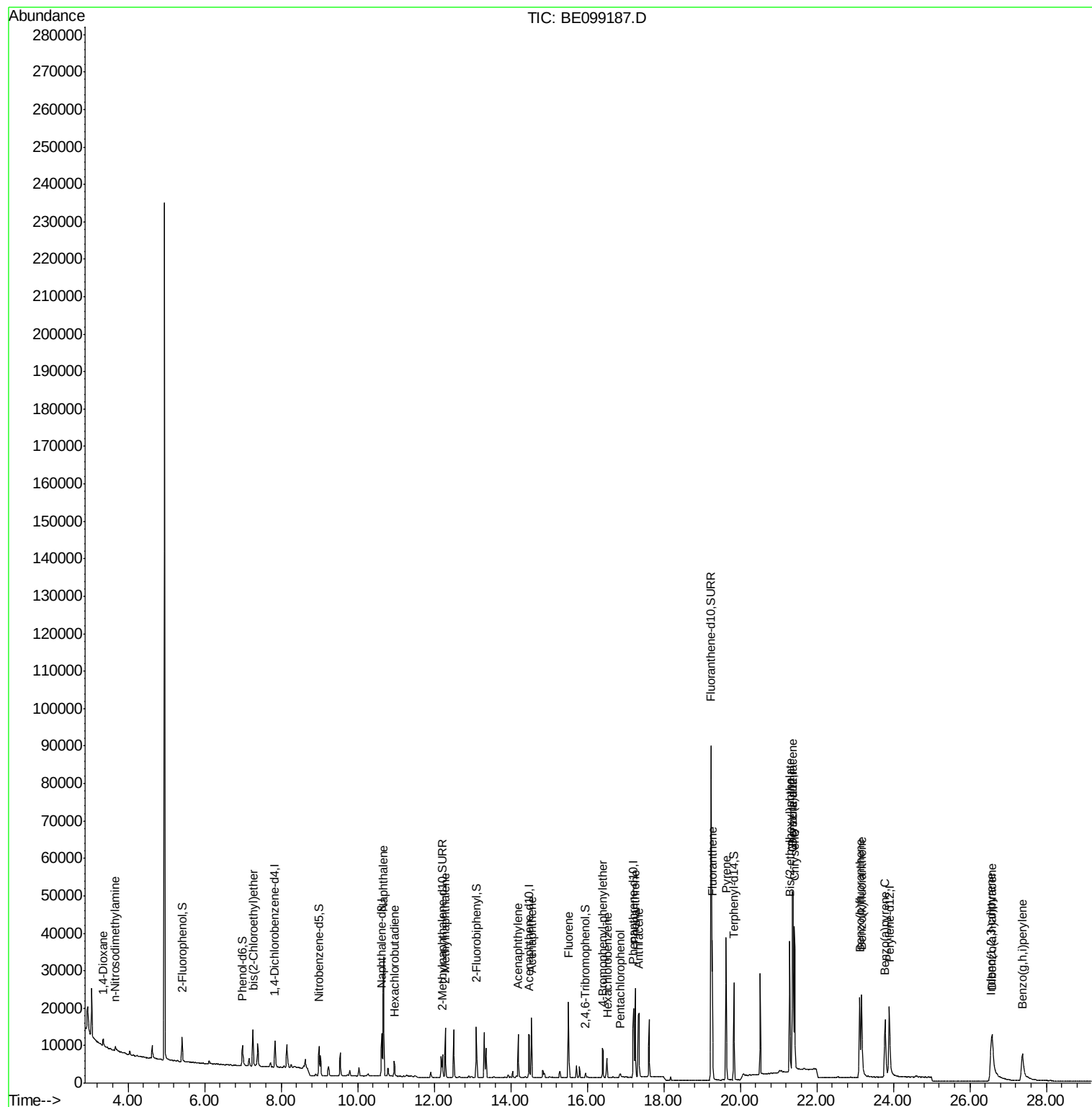
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	1356	0.274	ng	# 68
3) n-Nitrosodimethylamine	3.67	42	951	0.343	ng	95
6) bis(2-Chloroethyl)ether	7.27	93	4205	0.312	ng	99
9) Naphthalene	10.68	128	51029	0.322	ng	100
10) Hexachlorobutadiene	10.95	225	2891	0.342	ng	98
12) 2-Methylnaphthalene	12.30	142	8445	0.298	ng	98
16) Acenaphthylene	14.20	152	12796	0.298	ng	99
17) Acenaphthene	14.54	154	7892	0.307	ng	99
18) Fluorene	15.51	166	11914	0.330	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	4566	0.264	ng	98
21) Hexachlorobenzene	16.52	284	4530	0.271	ng	98
22) Pentachlorophenol	16.87	266	935	0.609	ng	97
23) Phenanthrene	17.25	178	24928	0.317	ng	99
24) Anthracene	17.35	178	22279	0.313	ng	99
26) Fluoranthene	19.27	202	34597	0.345	ng	99
28) Pyrene	19.63	202	35973	0.312	ng	100
30) Benzo(a)anthracene	21.37	228	36397	0.318	ng	99
31) Chrysene	21.42	228	38424	0.314	ng	100
32) Bis(2-ethylhexyl)phthalate	21.29	149	39267	0.287	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	30547	0.264	ng	# 89
35) Benzo(b)fluoranthene	23.12	252	32526	0.309	ng	97
36) Benzo(k)fluoranthene	23.17	252	38263	0.344	ng	98
37) Benzo(a)pyrene	23.78	252	31678	0.323	ng	100
38) Dibenzo(a,h)anthracene	26.58	278	23204	0.266	ng	98
39) Benzo(g,h,i)perylene	27.38	276	25340	0.290	ng	# 96

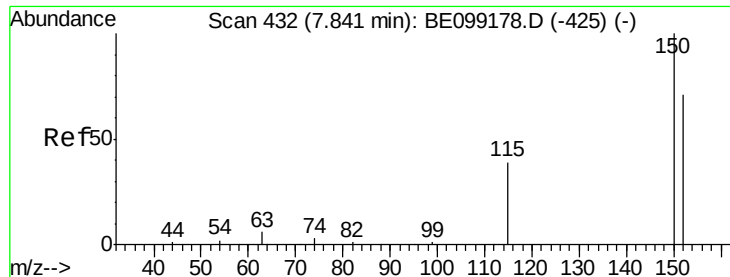
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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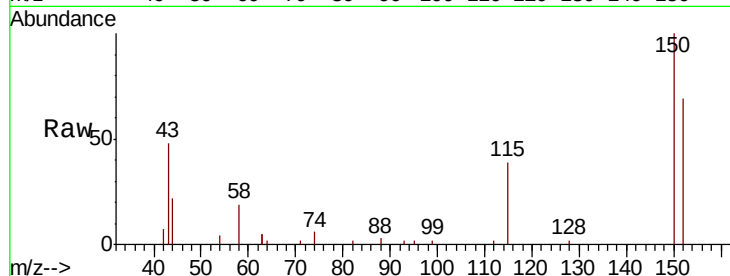


#1

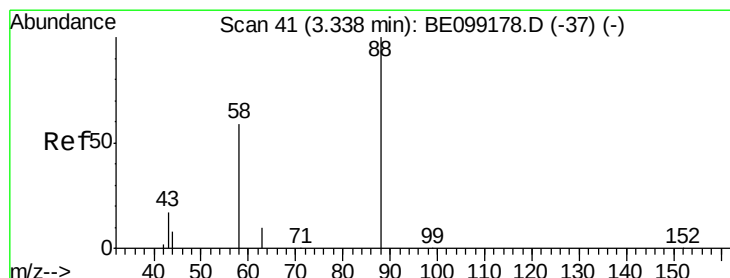
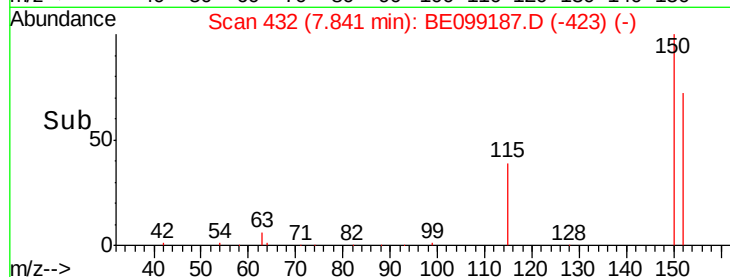
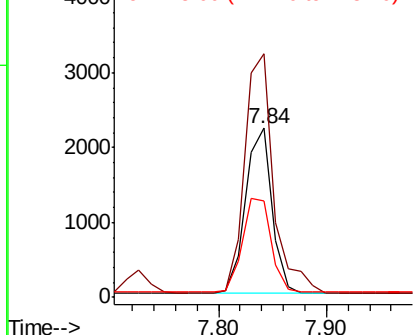
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
PB118217BS

Tgt Ion: 152 Resp: 3753
Ion Ratio Lower Upper
152 100
150 144.0 112.8 169.2
115 56.7 45.1 67.7



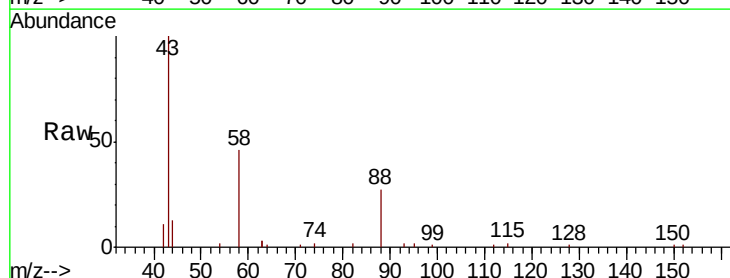
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



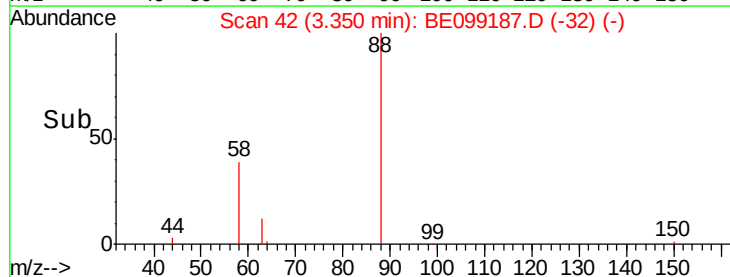
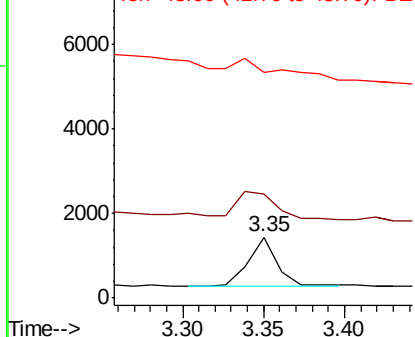
#2

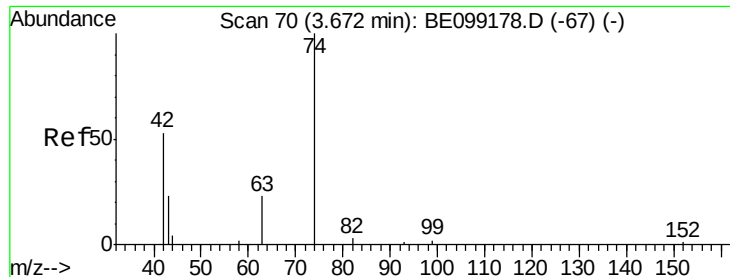
1,4-Dioxane
Concen: 0.274 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

Tgt Ion: 88 Resp: 1356
Ion Ratio Lower Upper
88 100
58 80.2 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





#3

n-Nitrosodimethylamine

Concen: 0.343 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

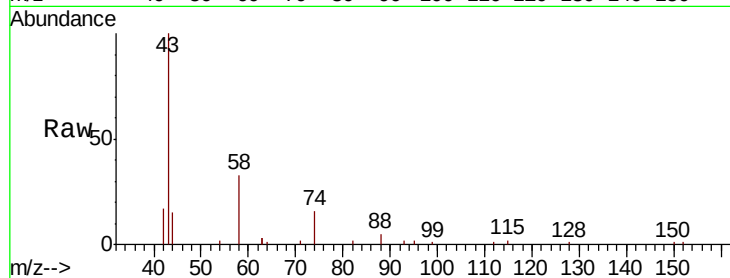
Tgt Ion: 42 Resp: 951

Ion Ratio Lower Upper

42 100

74 165.9 138.6 207.8

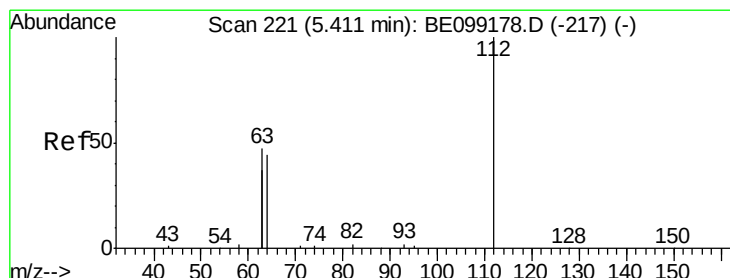
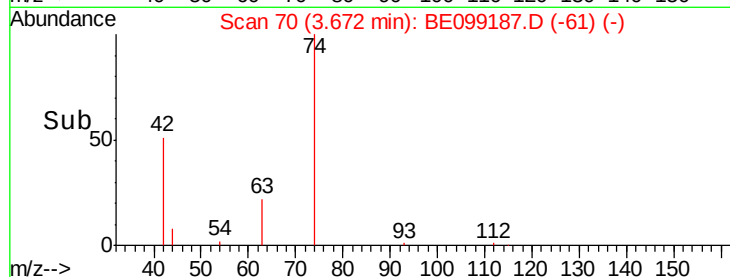
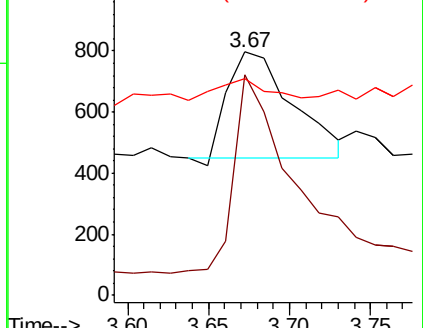
44 16.9 15.0 22.6



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: 0.328 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

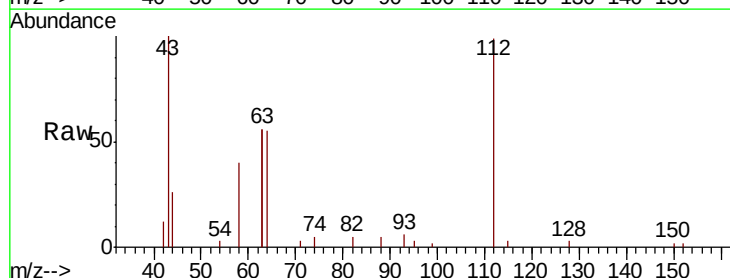
Tgt Ion: 112 Resp: 3678

Ion Ratio Lower Upper

112 100

64 60.0 46.2 69.2

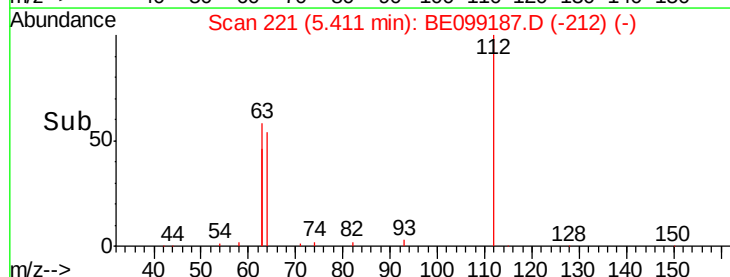
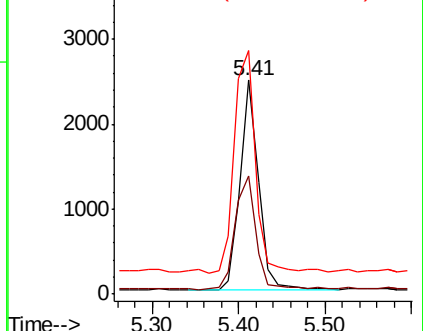
63 119.6 89.9 134.9

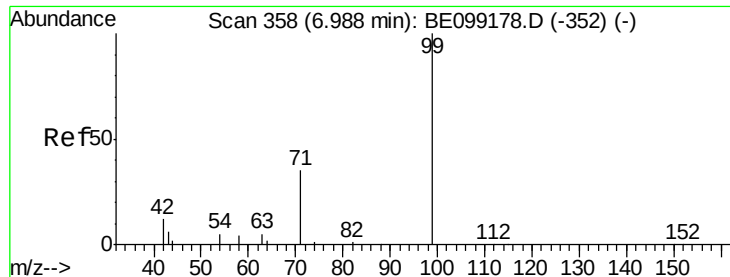


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.284 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

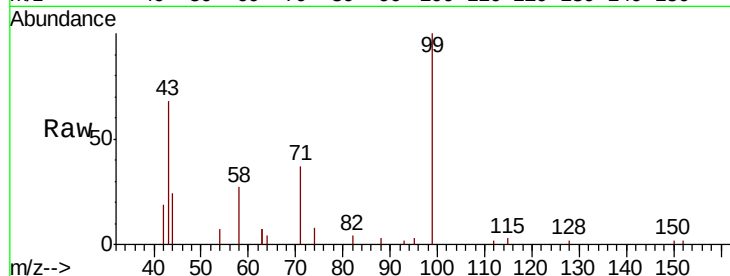
Tgt Ion: 99 Resp: 4858

Ion Ratio Lower Upper

99 100

42 19.1 12.4 18.6#

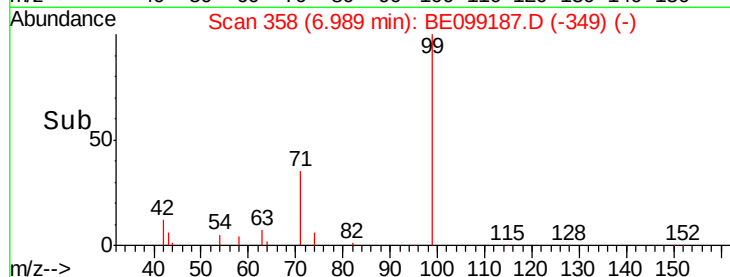
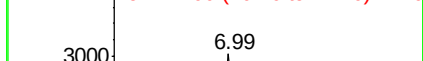
71 36.5 28.4 42.6



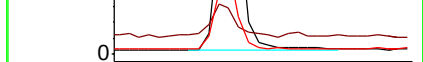
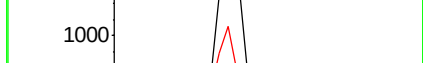
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

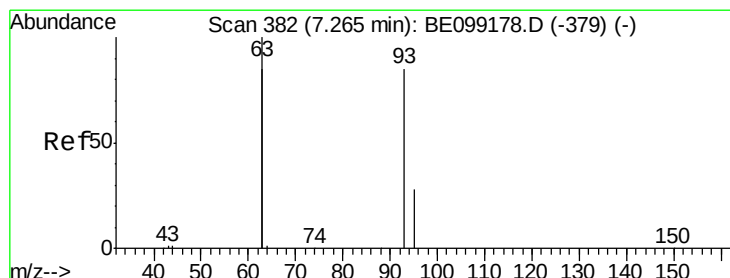
Ion 71.00 (70.70 to 71.70): BE0



Abundance



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.312 ng

RT: 7.27 min Scan# 382

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

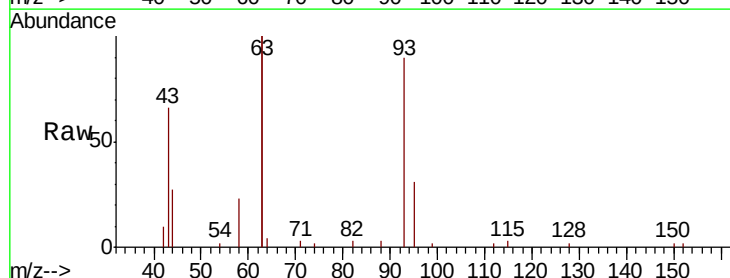
Tgt Ion: 93 Resp: 4205

Ion Ratio Lower Upper

93 100

63 274.9 221.4 332.0

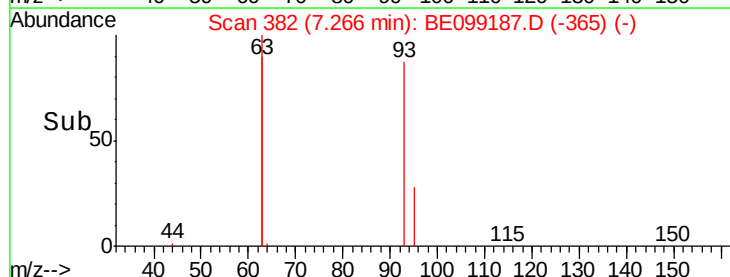
95 31.8 25.8 38.8



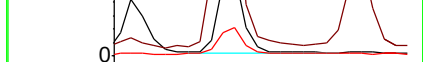
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

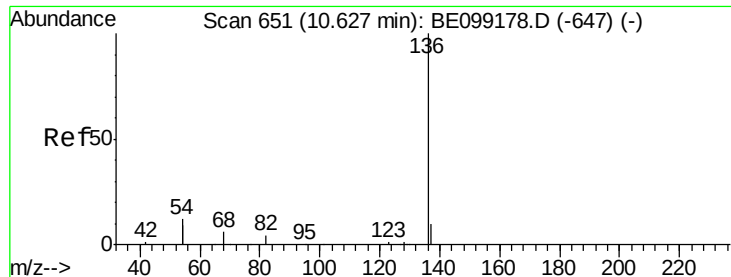
Ion 95.00 (94.70 to 95.70): BE0



Abundance



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:136 Resp: 13444

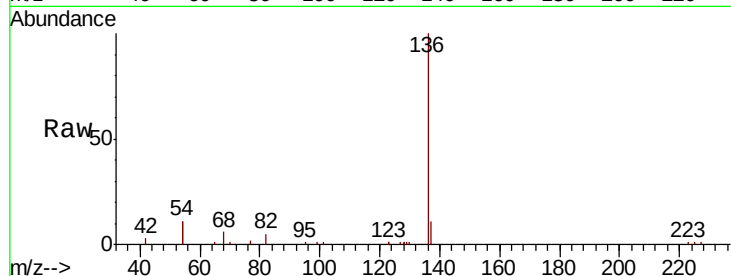
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 21.7 18.7 28.1

68 6.0 5.2 7.8

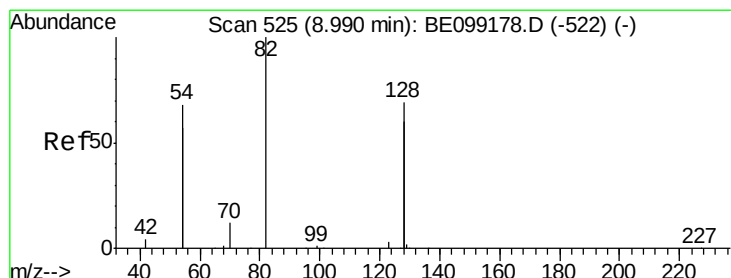
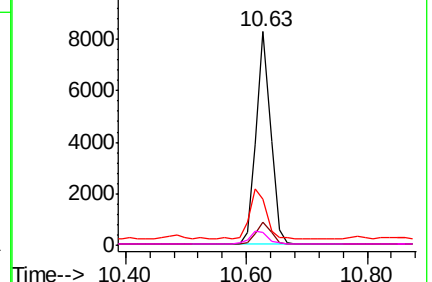
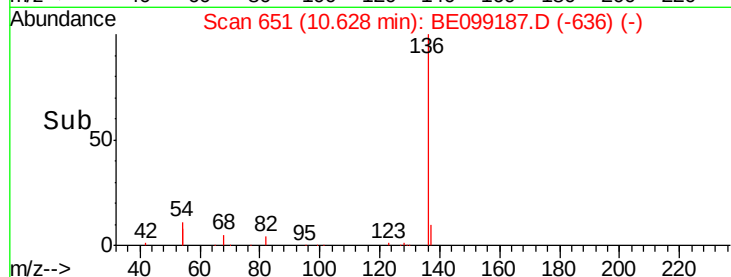


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.327 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

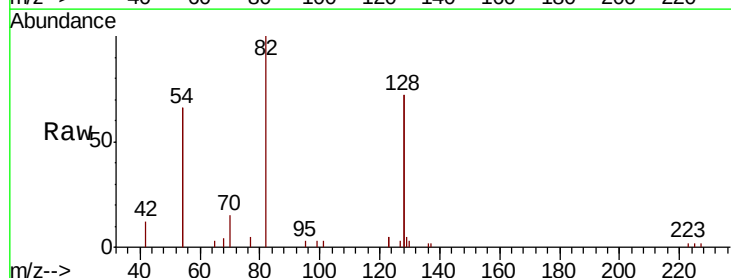
Tgt Ion: 82 Resp: 3594

Ion Ratio Lower Upper

82 100

128 143.7 107.5 161.3

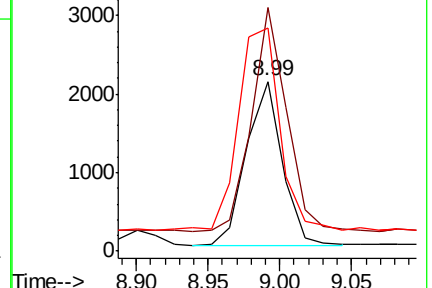
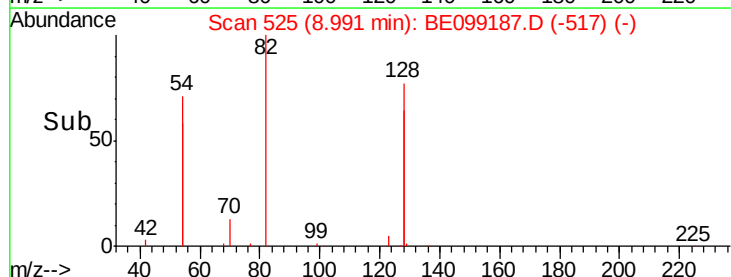
54 132.0 106.3 159.5

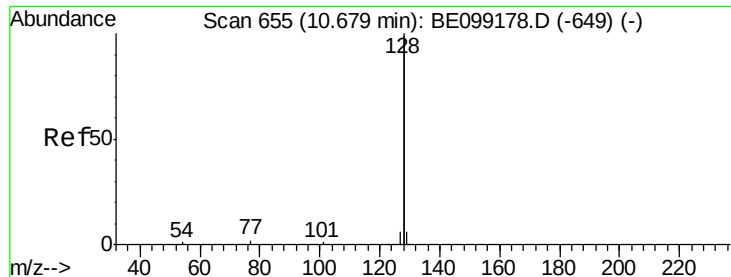


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.322 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099187.D

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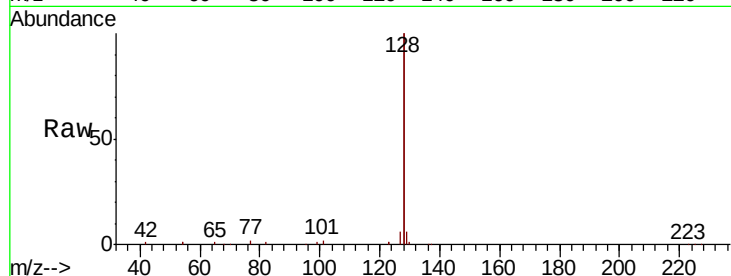
Tgt Ion:128 Resp: 51029

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

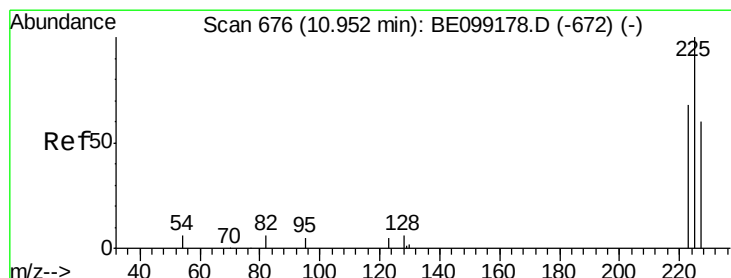
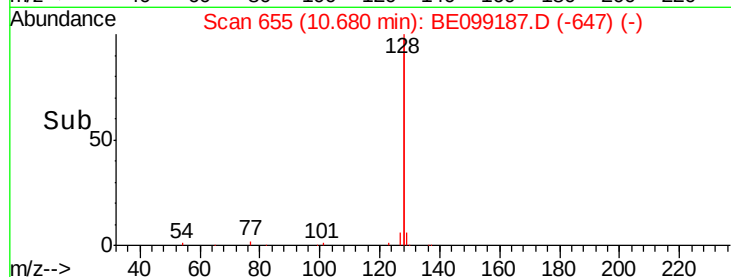
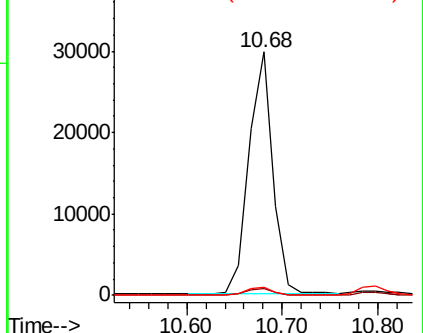
127 3.2 2.6 3.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.342 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

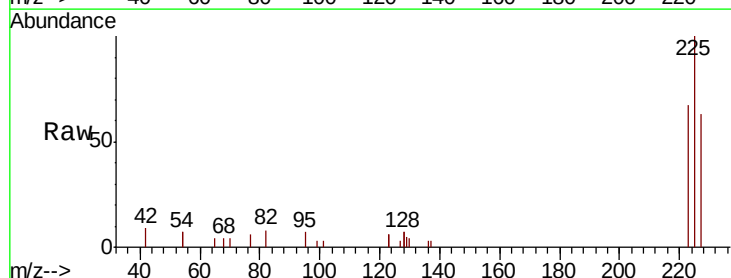
Tgt Ion:225 Resp: 2891

Ion Ratio Lower Upper

225 100

223 63.4 51.3 76.9

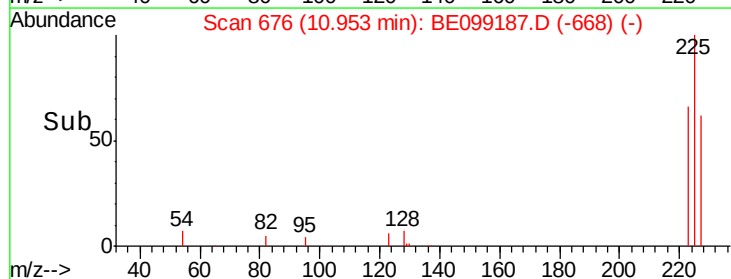
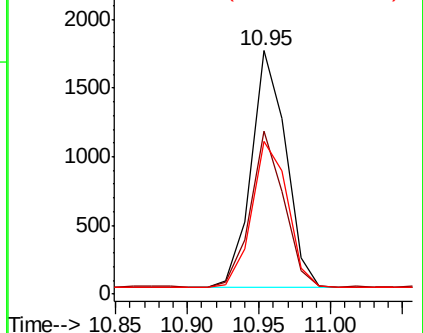
227 63.7 48.6 73.0

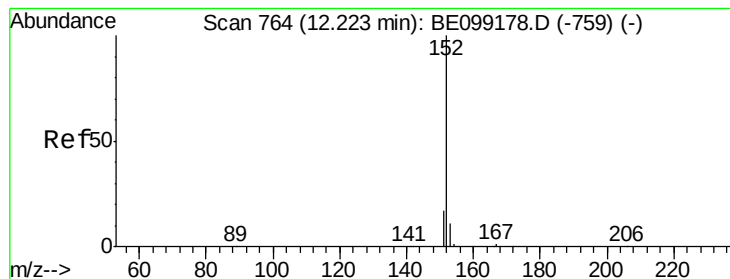


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.424 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

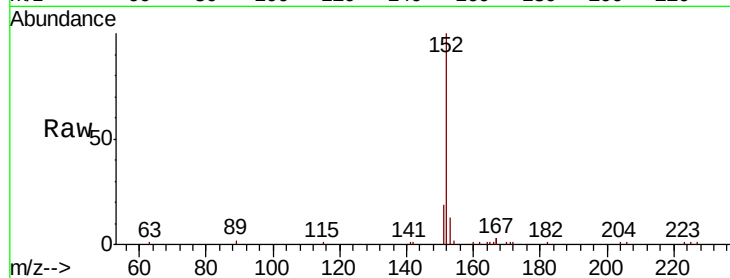
PB118217BS

Tgt Ion:152 Resp: 10991

Ion Ratio Lower Upper

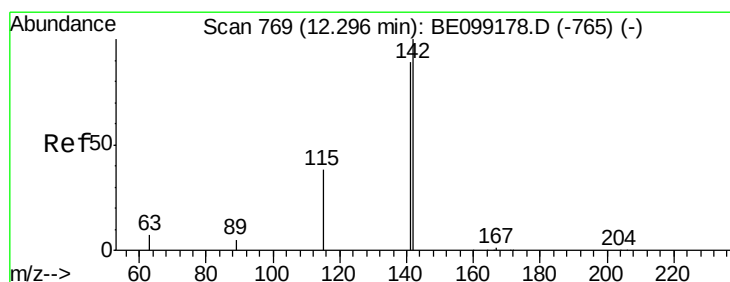
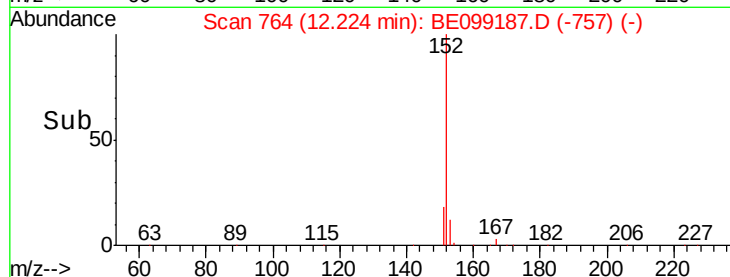
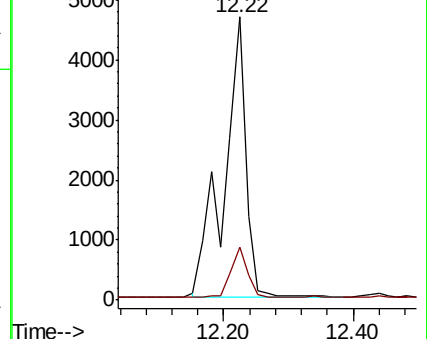
152 100

151 13.2 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.298 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

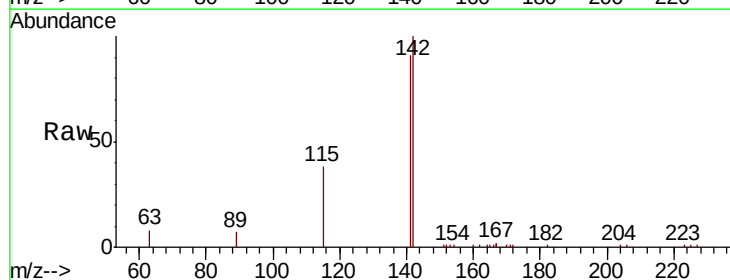
Tgt Ion:142 Resp: 8445

Ion Ratio Lower Upper

142 100

141 90.8 71.3 106.9

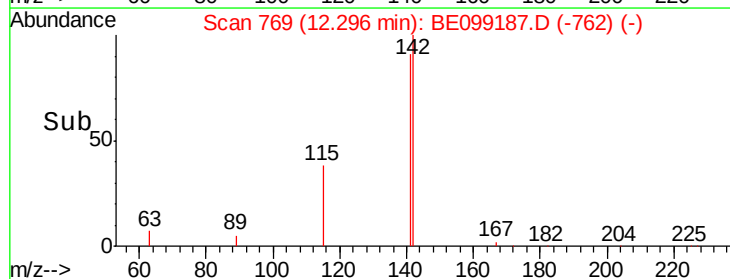
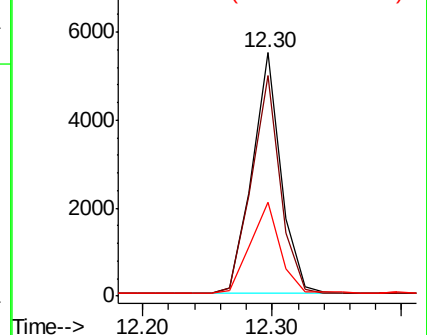
115 38.5 30.4 45.6

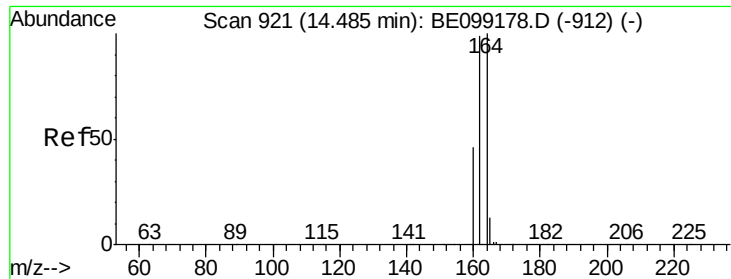


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

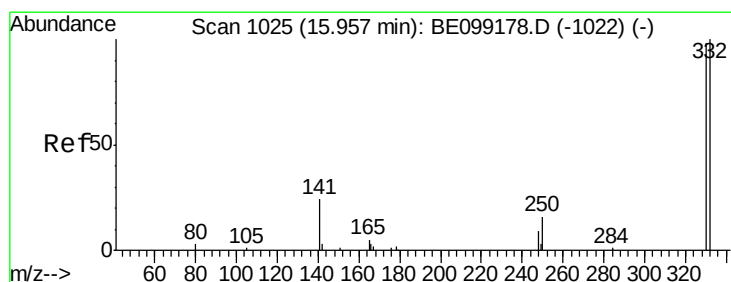
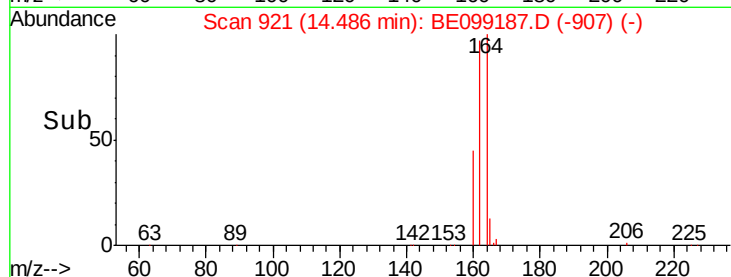
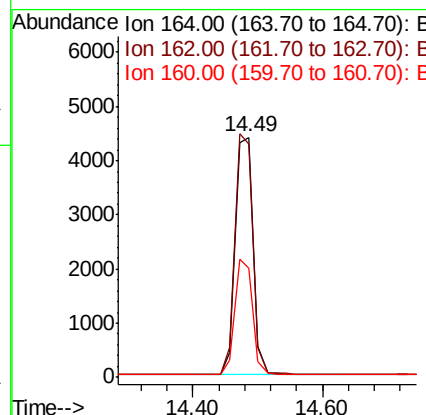
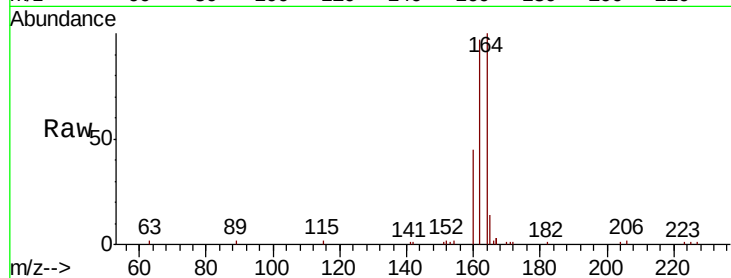




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

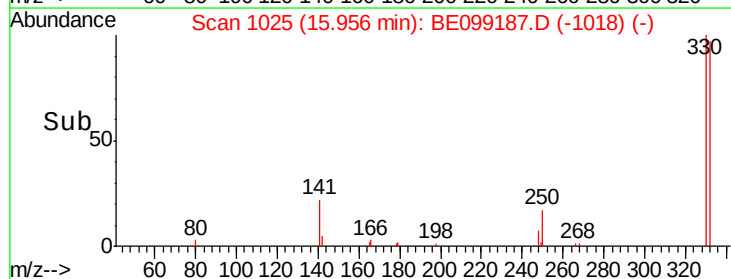
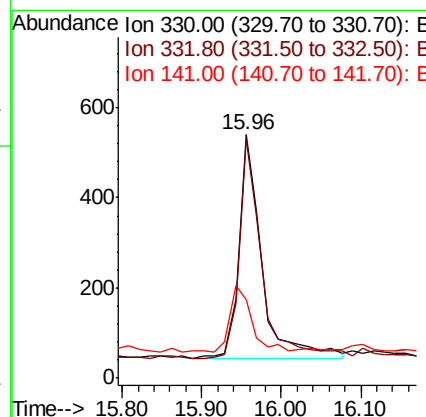
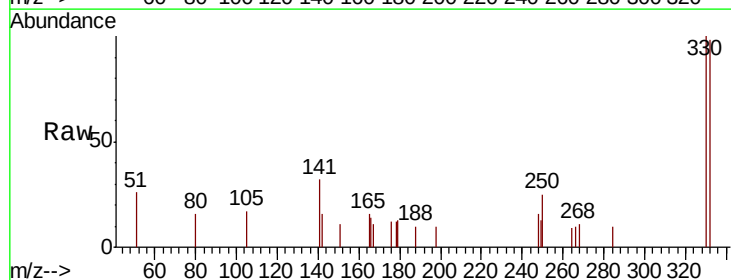
Instrument :
BNA_E
ClientSampleId :
PB118217BS

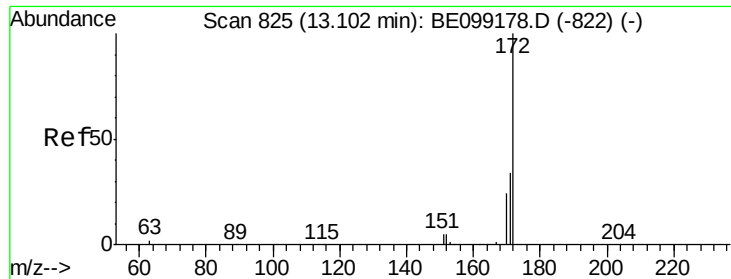
Tgt Ion:164 Resp: 8422
Ion Ratio Lower Upper
164 100
162 97.0 79.2 118.8
160 45.4 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.434 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

Tgt Ion:330 Resp: 980
Ion Ratio Lower Upper
330 100
332 96.7 71.3 106.9
141 27.0 21.7 32.5

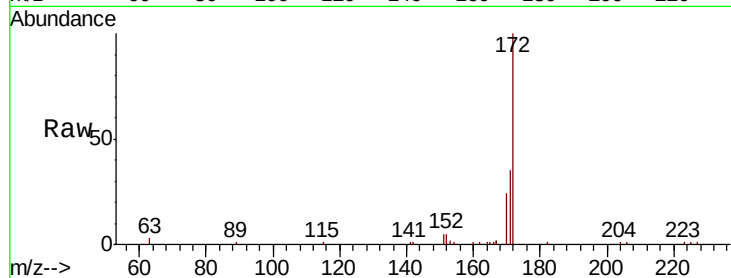




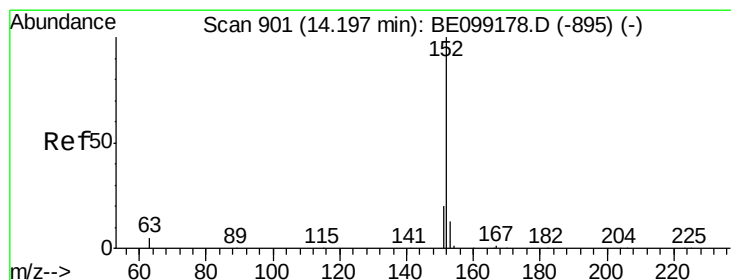
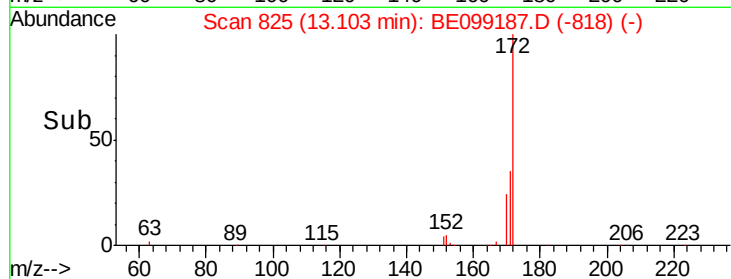
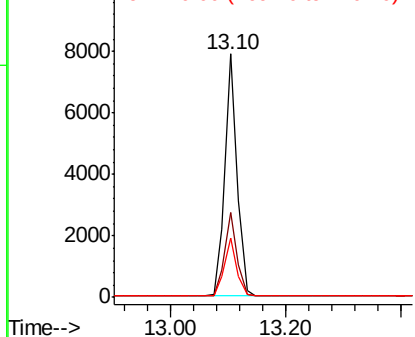
#15
2-Fluorobiphenyl
Concen: 0.339 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
PB118217BS

Tgt Ion:172 Resp: 11655
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 24.1 19.1 28.7

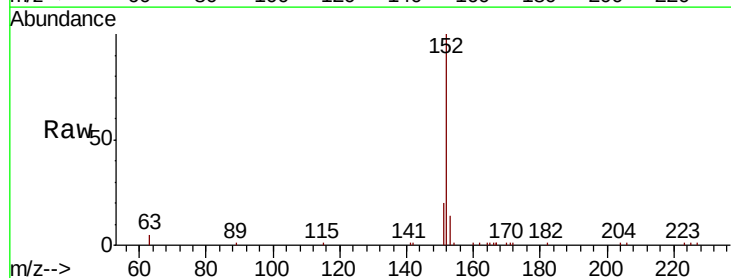


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

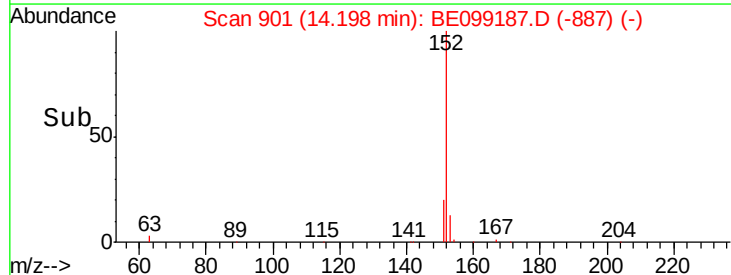
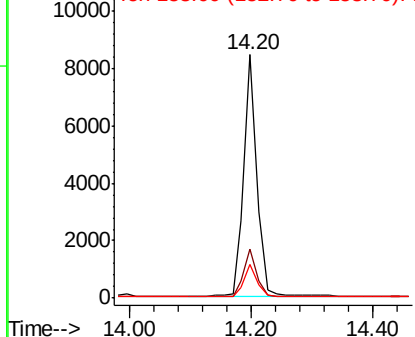


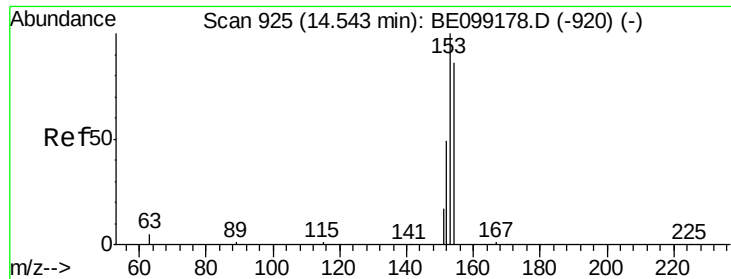
#16
Acenaphthylene
Concen: 0.298 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

Tgt Ion:152 Resp: 12796
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 12.8 10.6 15.8



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

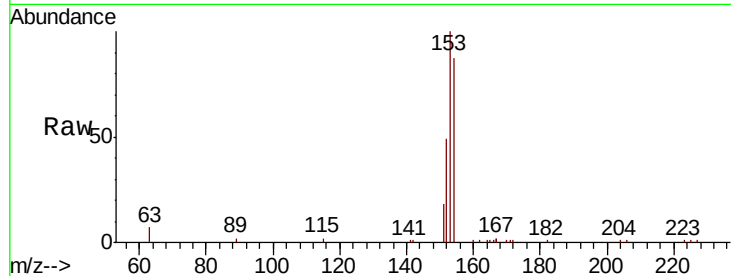




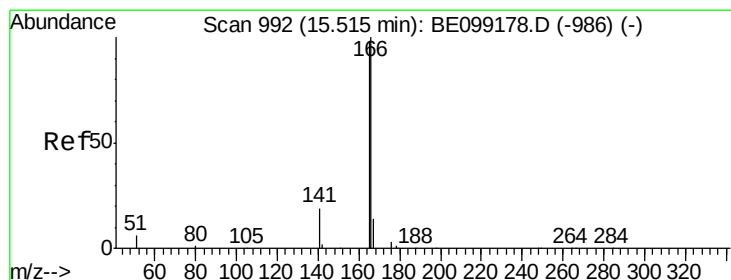
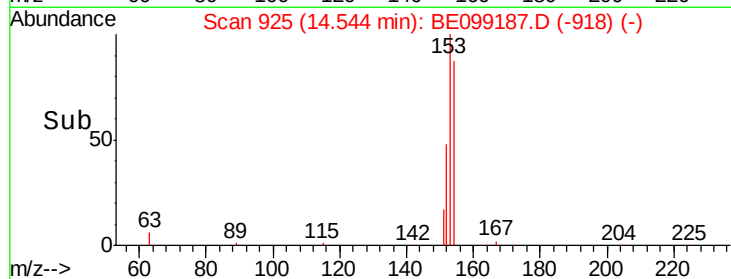
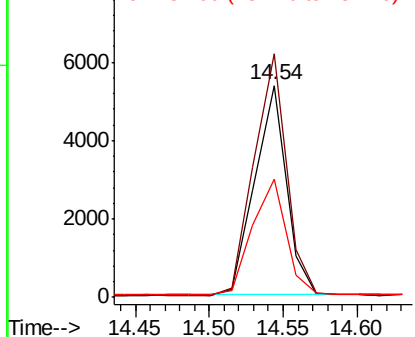
#17
Acenaphthene
Concen: 0.307 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
PB118217BS

Tgt Ion:154 Resp: 7892
Ion Ratio Lower Upper
154 100
153 118.1 93.4 140.0
152 58.5 46.6 69.8

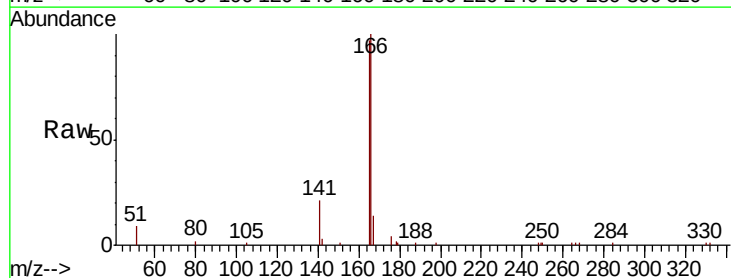


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

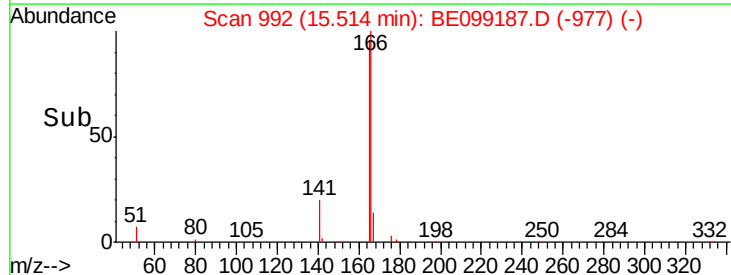
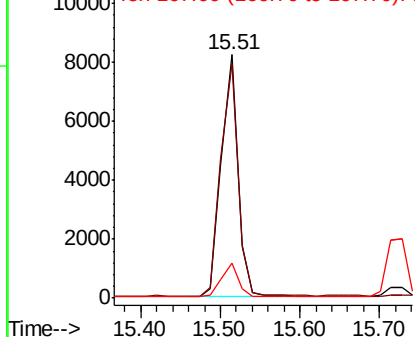


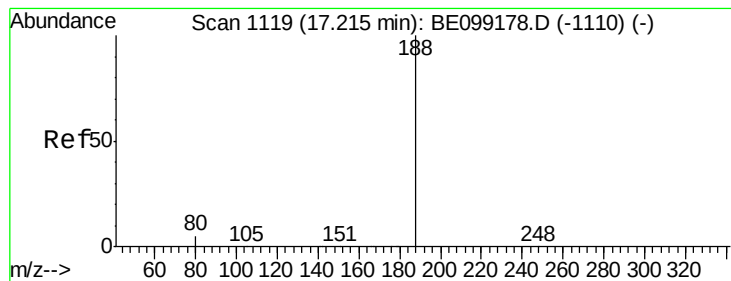
#18
Fluorene
Concen: 0.330 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE099187.D
Acq: 25 Mar 2019 19:38

Tgt Ion:166 Resp: 11914
Ion Ratio Lower Upper
166 100
165 99.6 78.9 118.3
167 13.9 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

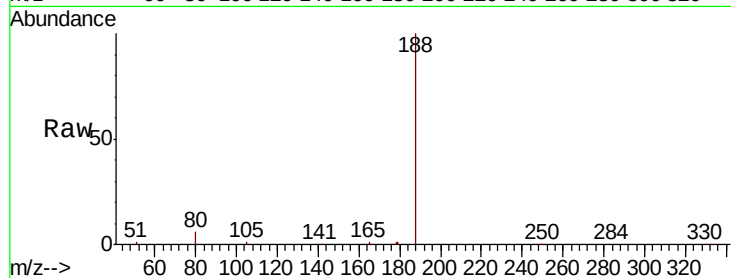
Tgt Ion:188 Resp: 26795

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

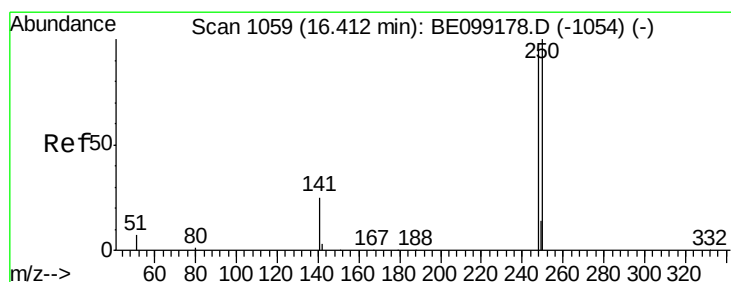
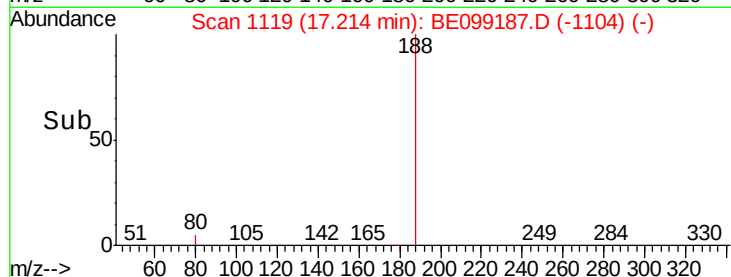
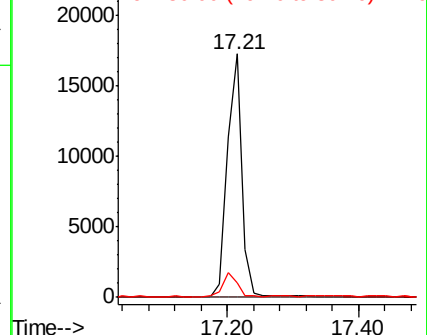
80 5.9 4.5 6.7



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: 0.264 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

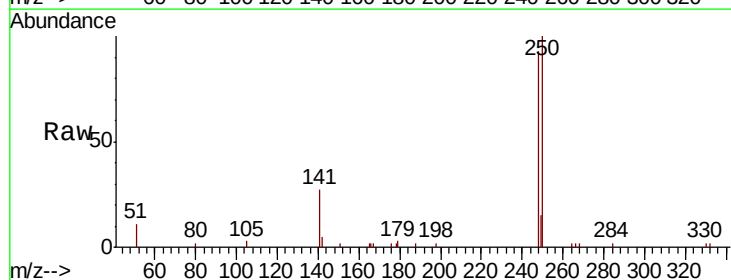
Tgt Ion:248 Resp: 4566

Ion Ratio Lower Upper

248 100

250 107.5 84.2 126.2

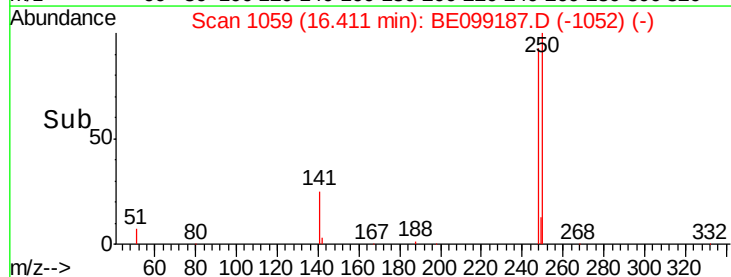
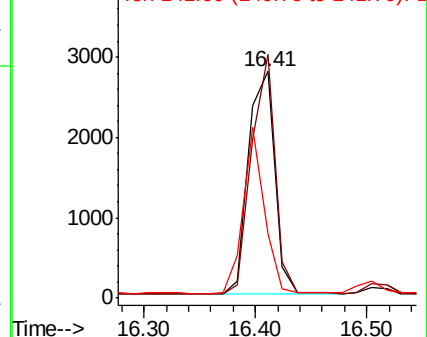
141 28.7 21.8 32.6

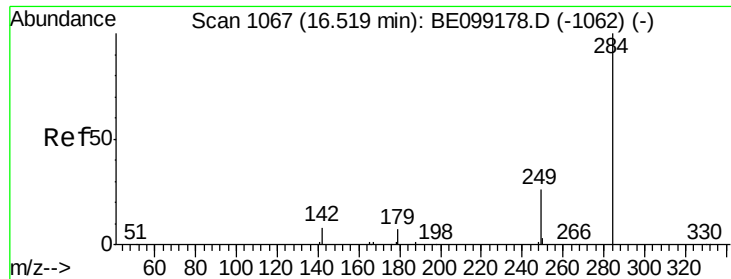


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.271 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

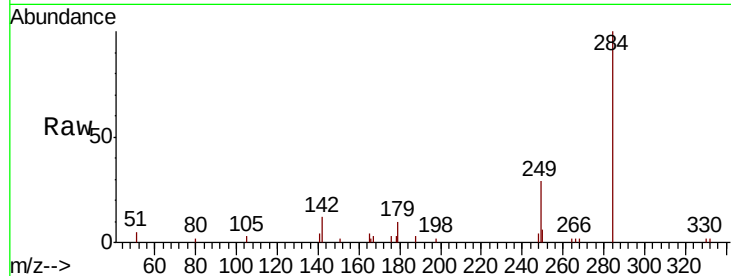
Tgt Ion:284 Resp: 4530

Ion Ratio Lower Upper

284 100

142 29.3 22.7 34.1

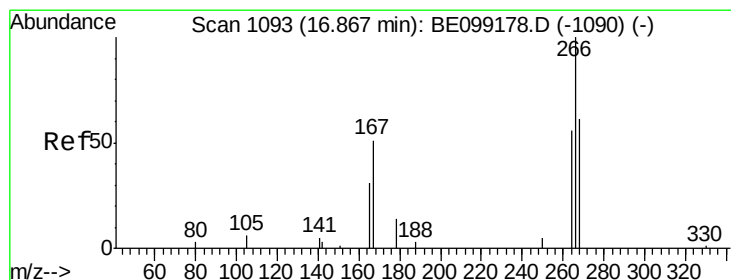
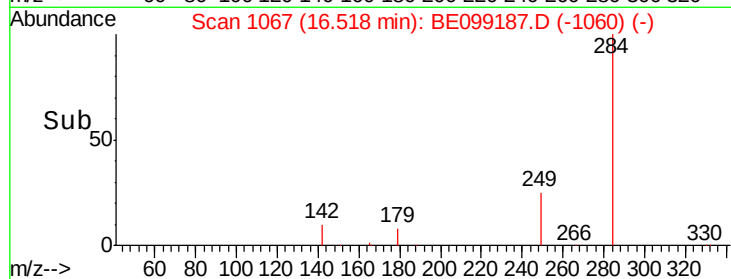
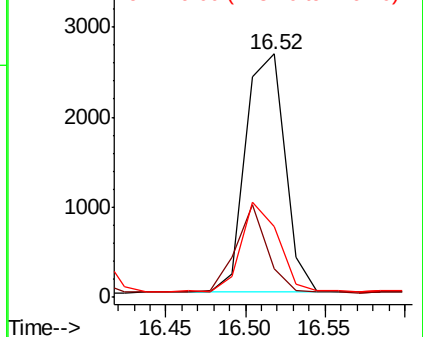
249 35.1 26.9 40.3



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: 0.609 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

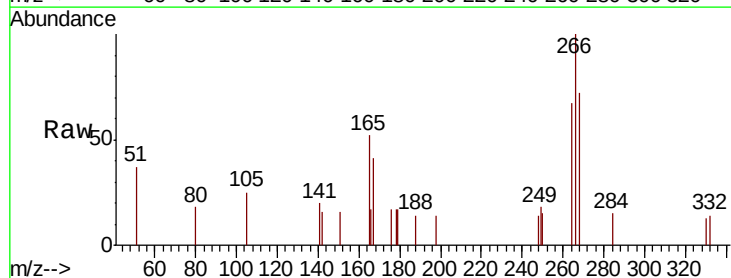
Tgt Ion:266 Resp: 935

Ion Ratio Lower Upper

266 100

264 67.3 54.4 81.6

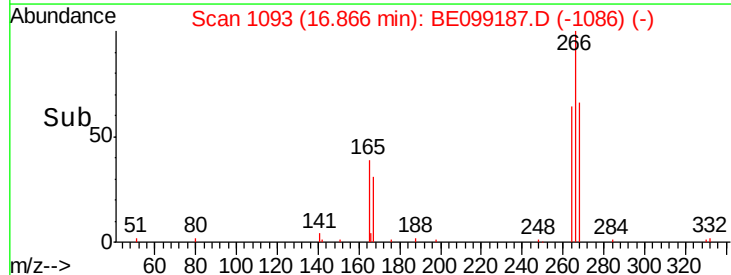
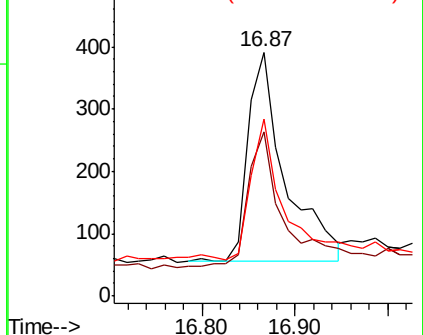
268 72.4 61.3 91.9

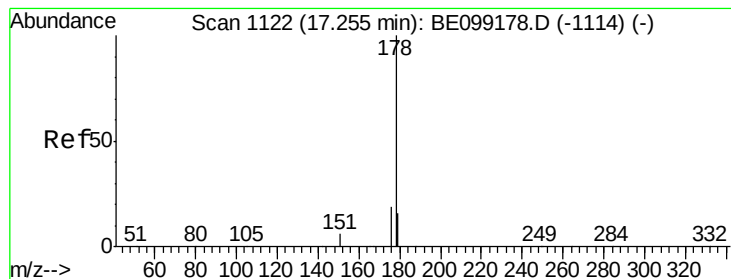


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.317 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

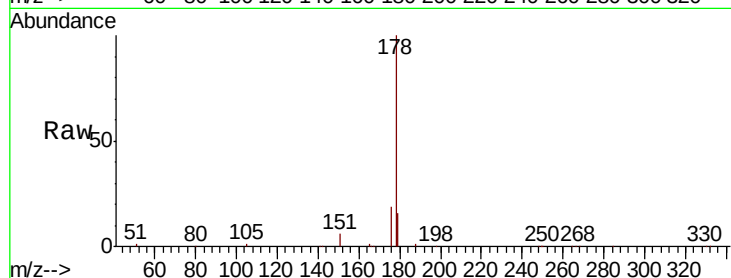
Tgt Ion:178 Resp: 24928

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

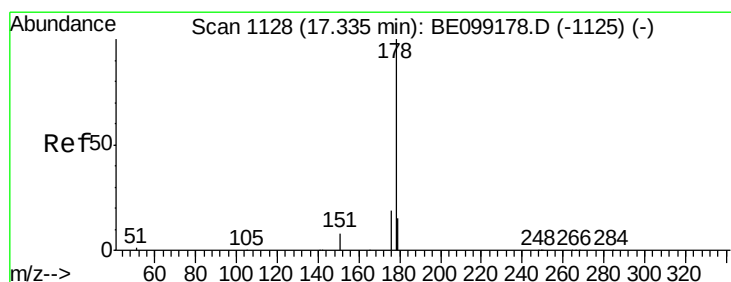
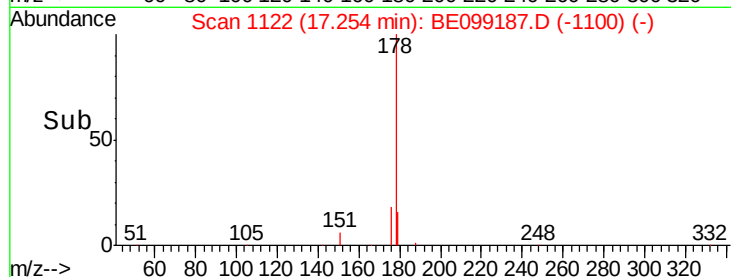
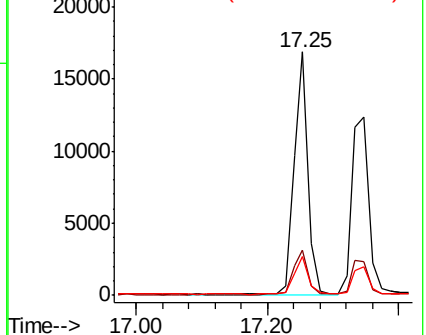
179 16.3 12.3 18.5



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: 0.313 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

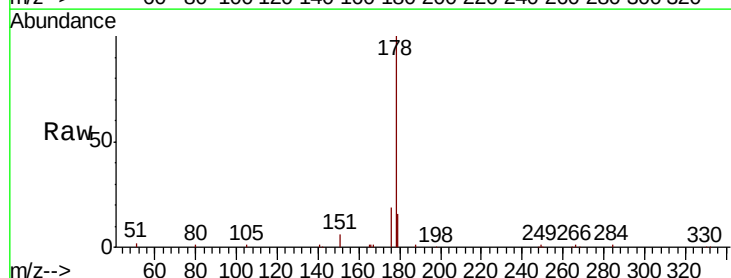
Tgt Ion:178 Resp: 22279

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

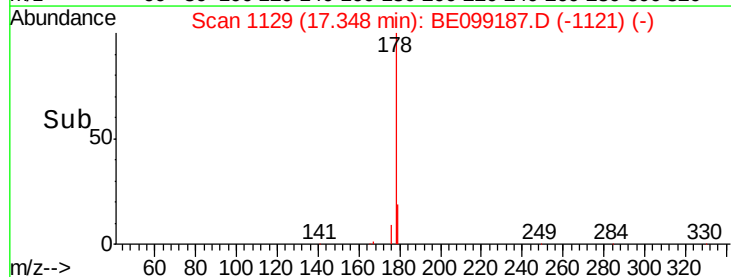
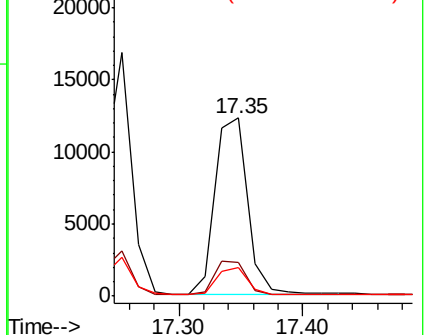
179 15.2 12.4 18.6

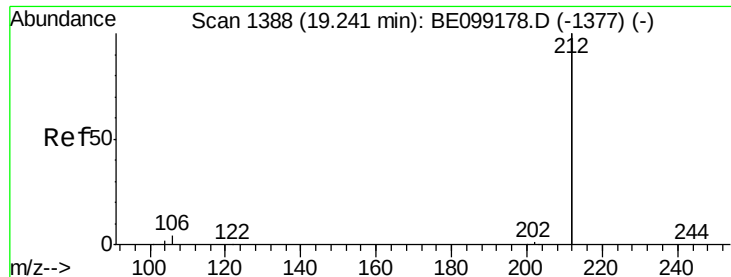


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.359 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

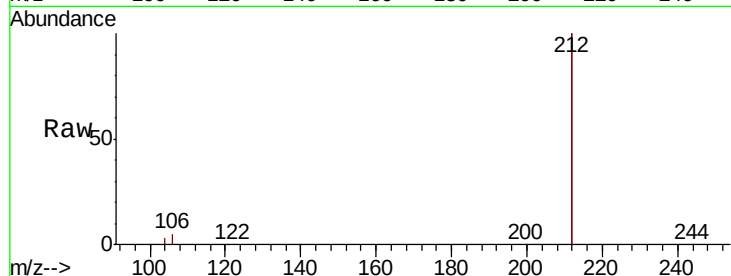
Tgt Ion:212 Resp: 116478

Ion Ratio Lower Upper

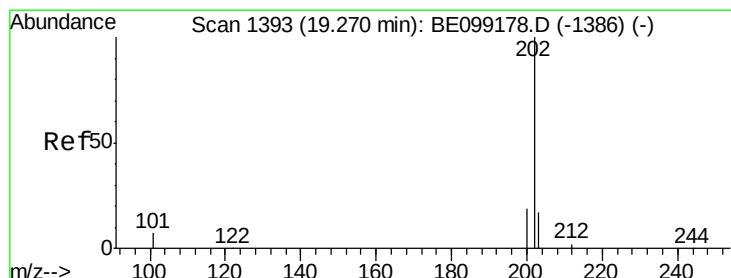
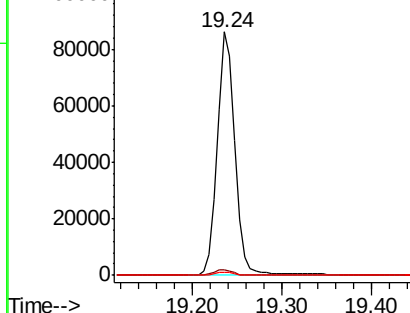
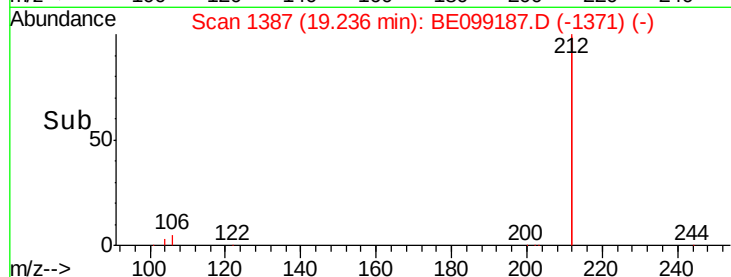
212 100

106 2.3 1.8 2.8

104 1.3 1.1 1.7



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: 0.345 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

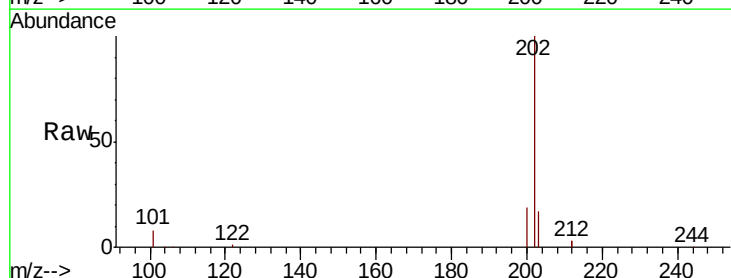
Tgt Ion:202 Resp: 34597

Ion Ratio Lower Upper

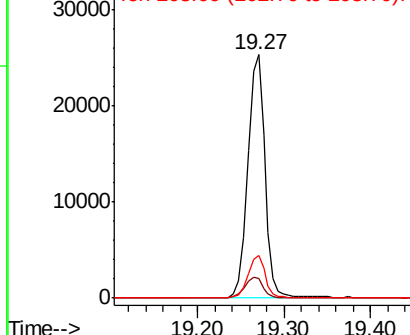
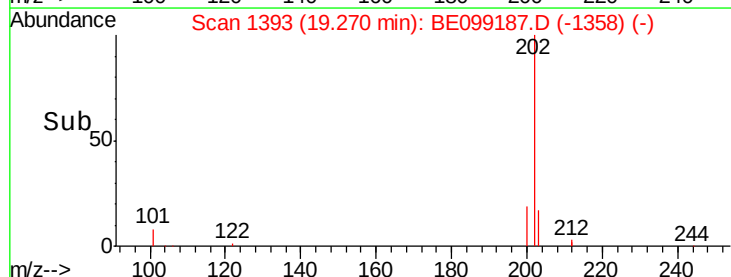
202 100

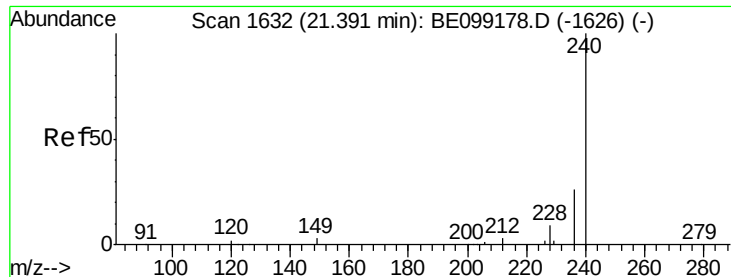
101 8.5 7.0 10.4

203 16.7 13.8 20.6



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: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

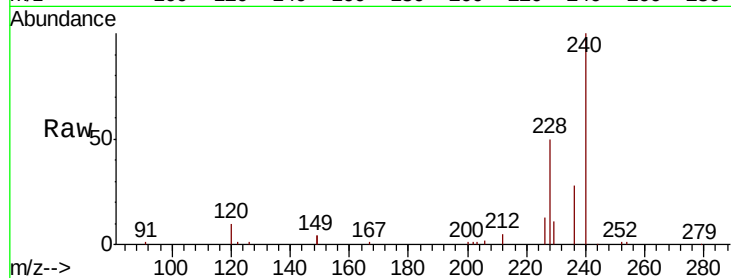
Tgt Ion:240 Resp: 34735

Ion Ratio Lower Upper

240 100

120 9.6 2.6 3.8#

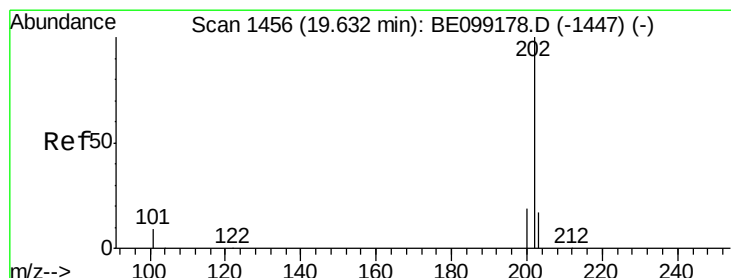
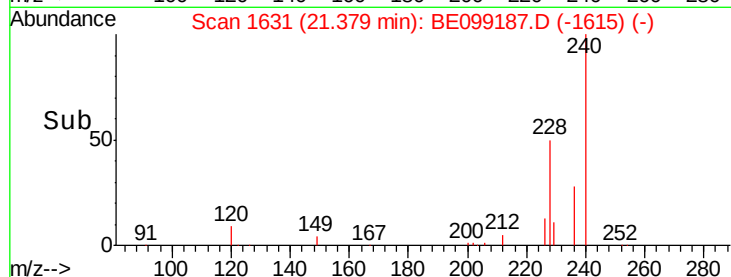
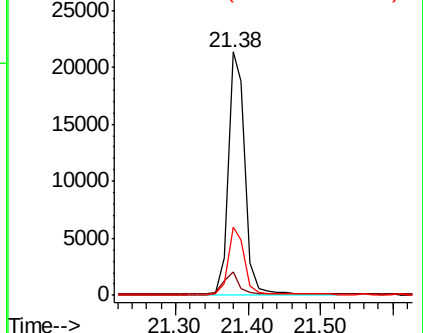
236 28.3 20.9 31.3



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: 0.312 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

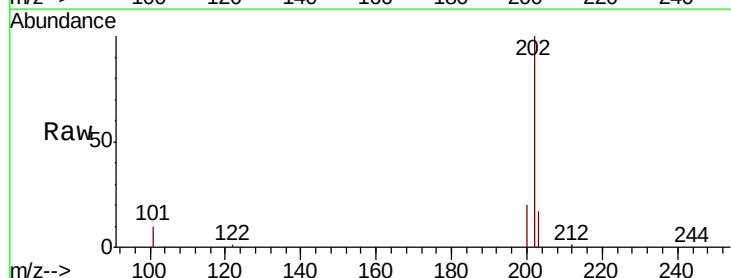
Tgt Ion:202 Resp: 35973

Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

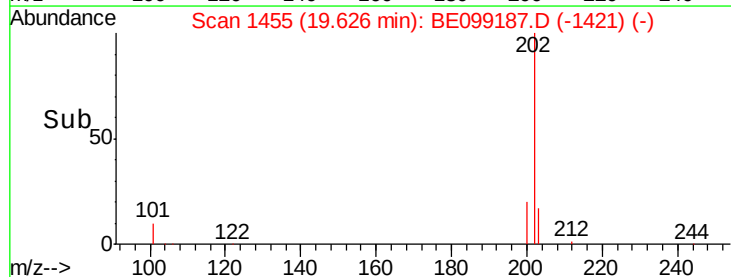
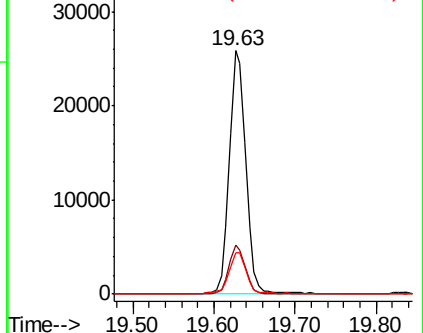
203 17.5 14.1 21.1

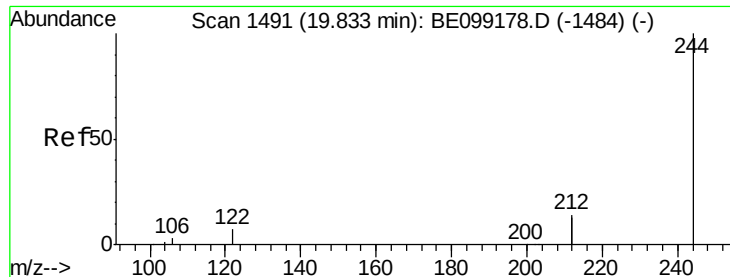


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.308 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

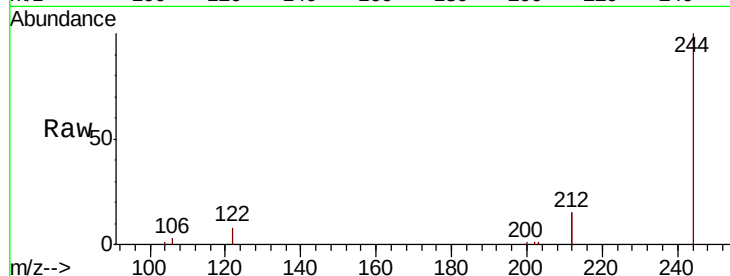
Tgt Ion:244 Resp: 23237

Ion Ratio Lower Upper

244 100

212 30.8 22.7 34.1

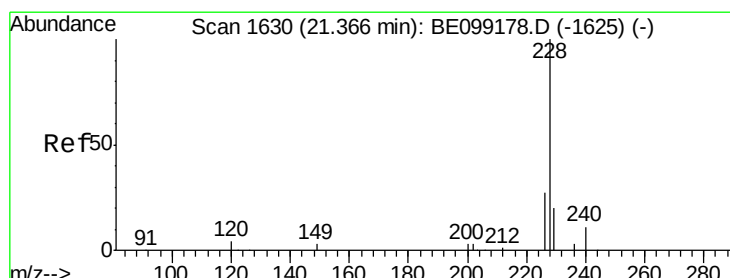
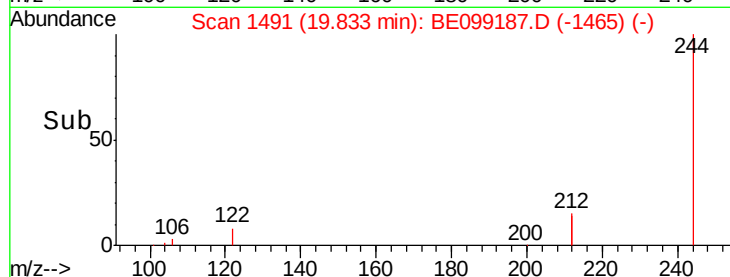
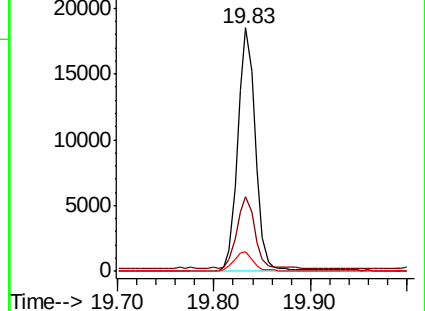
122 8.0 5.8 8.6



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: 0.318 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

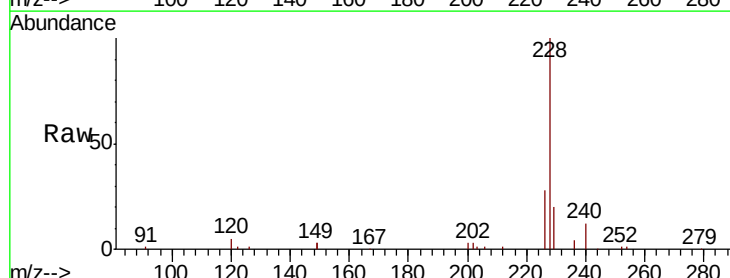
Tgt Ion:228 Resp: 36397

Ion Ratio Lower Upper

228 100

226 27.5 21.7 32.5

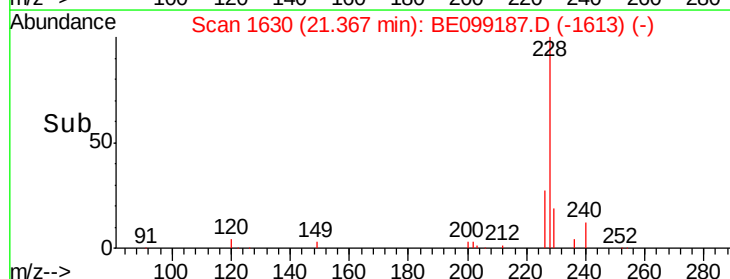
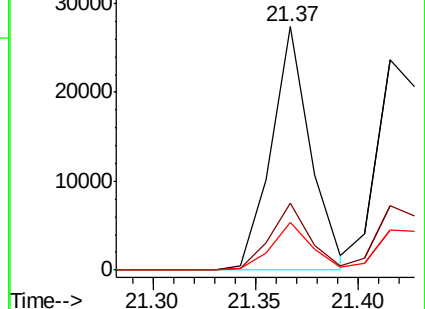
229 19.6 15.9 23.9

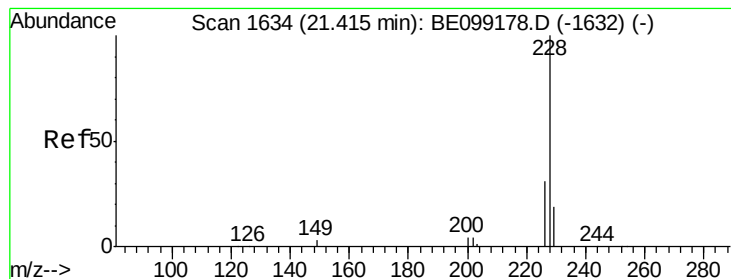


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.314 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

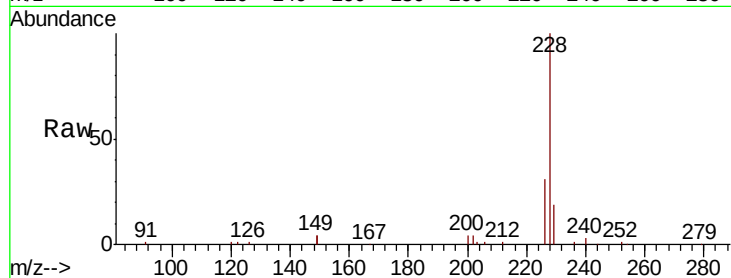
Tgt Ion:228 Resp: 38424

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

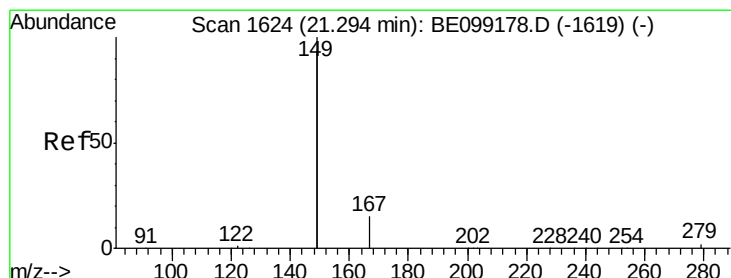
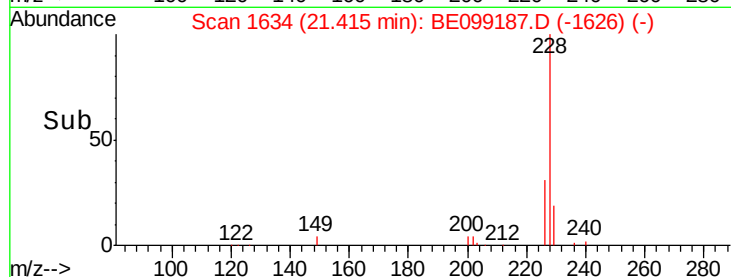
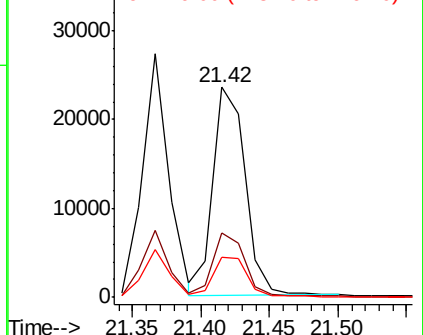
229 19.0 15.4 23.0



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: 0.287 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

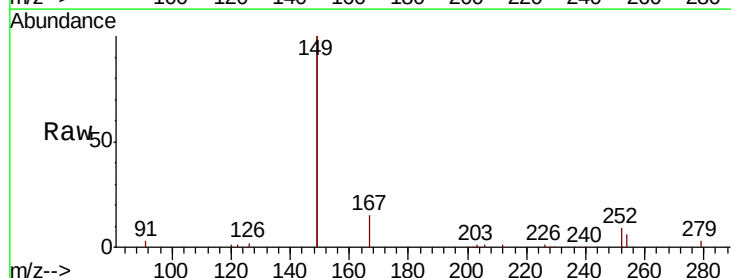
Tgt Ion:149 Resp: 39267

Ion Ratio Lower Upper

149 100

167 7.2 5.9 8.9

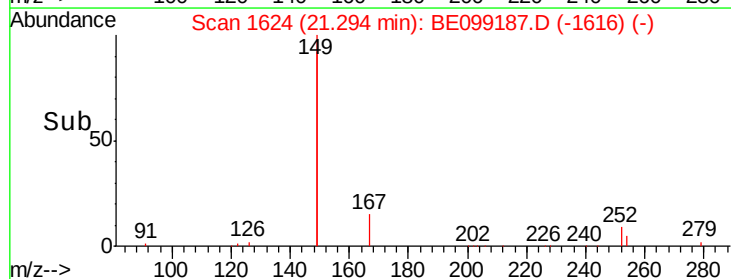
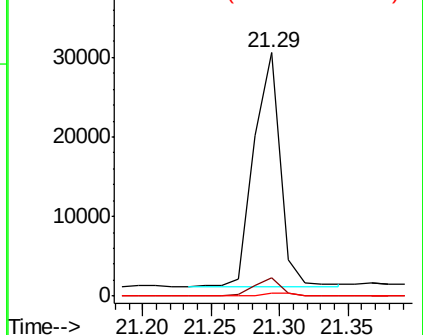
279 1.2 1.0 1.6

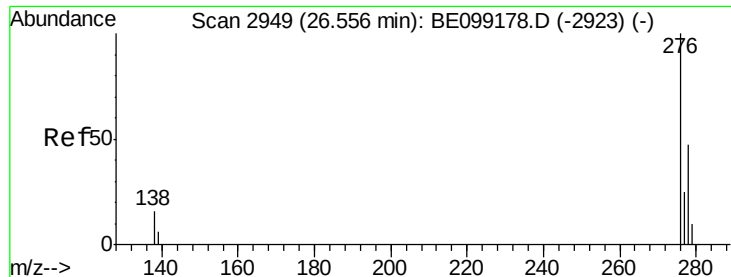


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.264 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

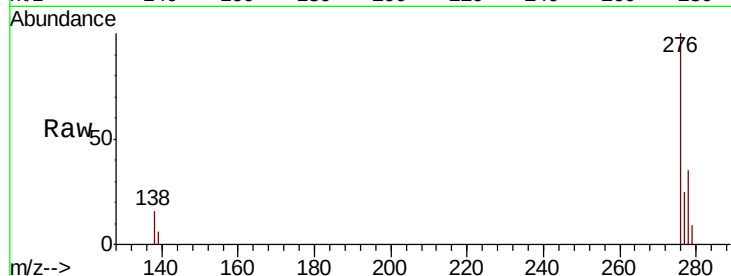
Tgt Ion:276 Resp: 30547

Ion Ratio Lower Upper

276 100

138 5.7 12.9 19.3#

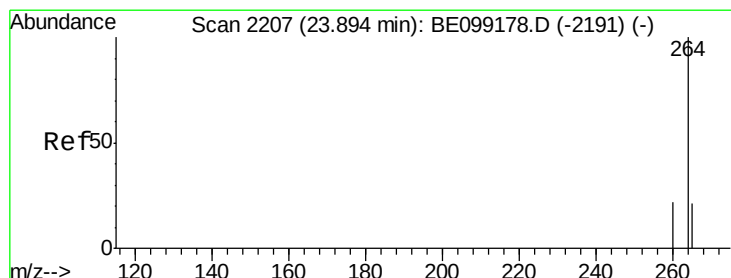
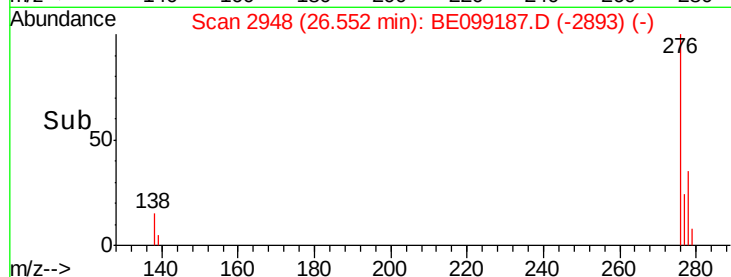
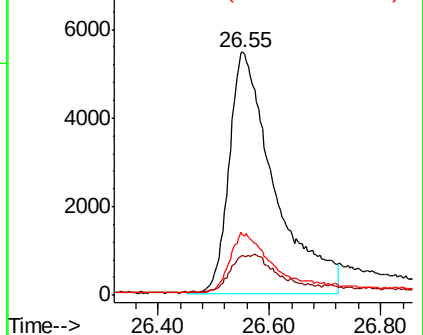
277 23.4 18.3 27.5



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: 23.90 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

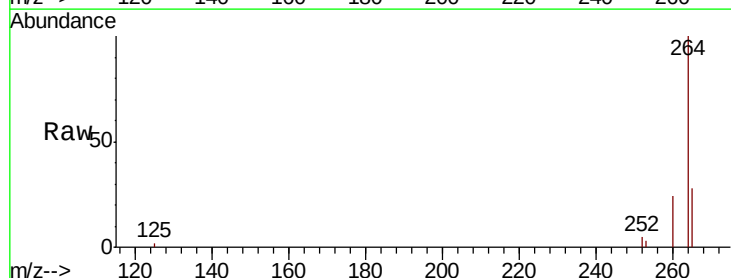
Tgt Ion:264 Resp: 31951

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

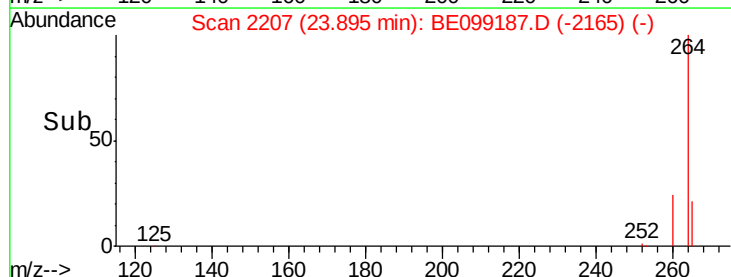
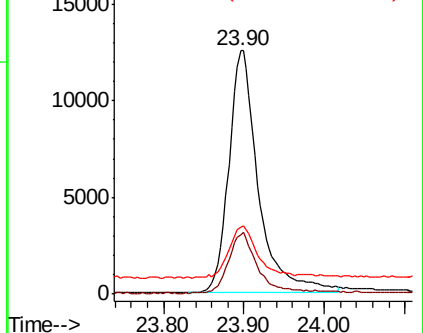
265 27.8 21.8 32.8

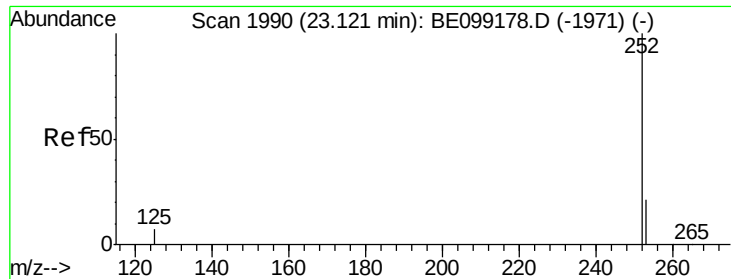


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.309 ng

RT: 23.12 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

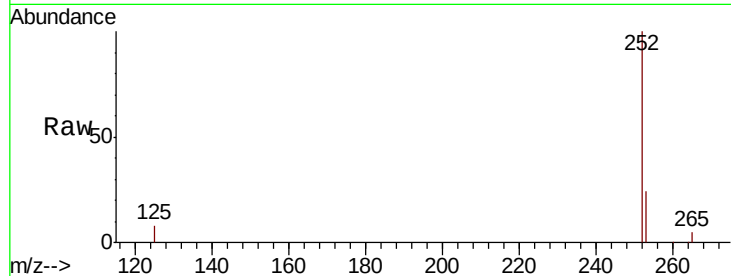
Tgt Ion:252 Resp: 32526

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

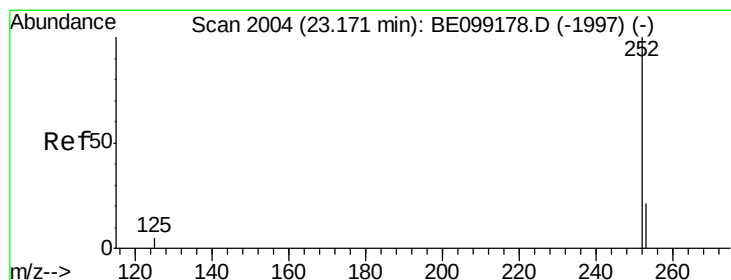
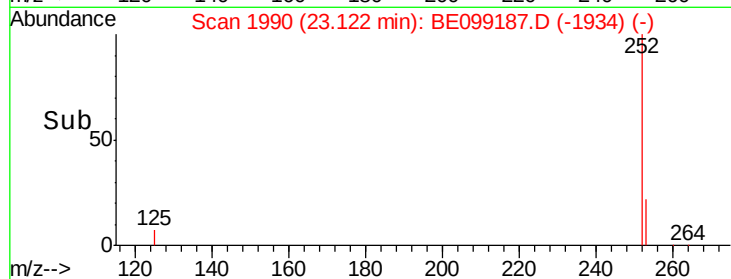
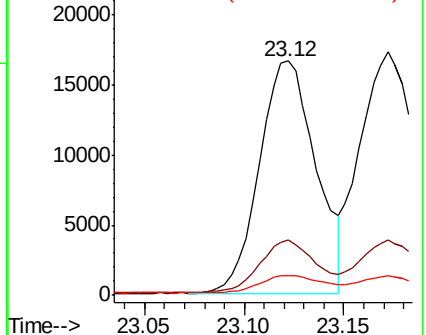
125 8.4 6.1 9.1



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: 0.344 ng

RT: 23.17 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

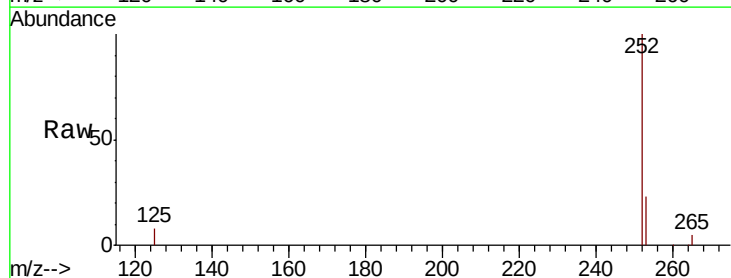
Tgt Ion:252 Resp: 38263

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

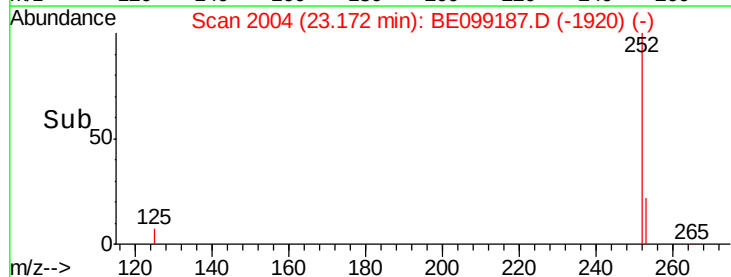
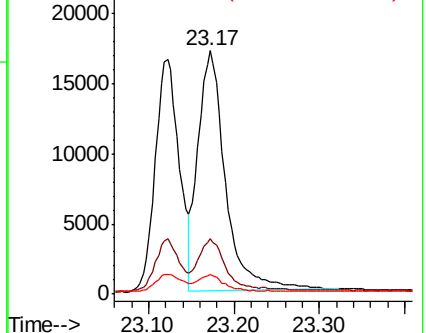
125 8.0 5.9 8.9

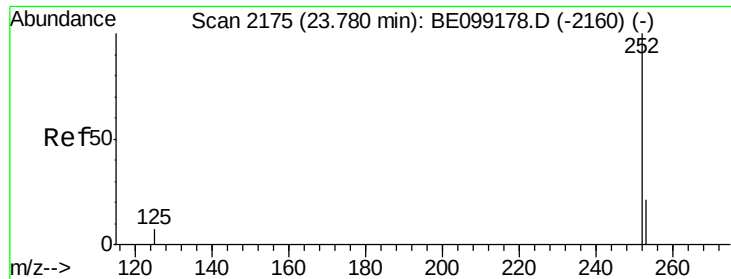


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.323 ng

RT: 23.78 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS

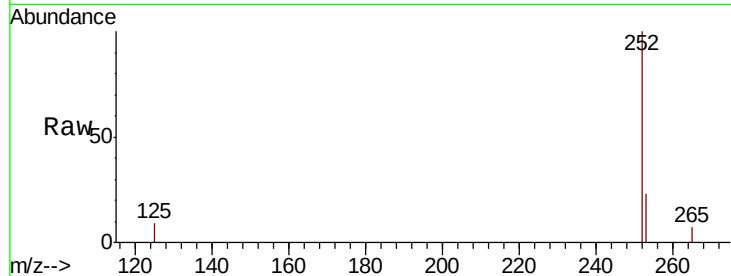
Tgt Ion:252 Resp: 31678

Ion Ratio Lower Upper

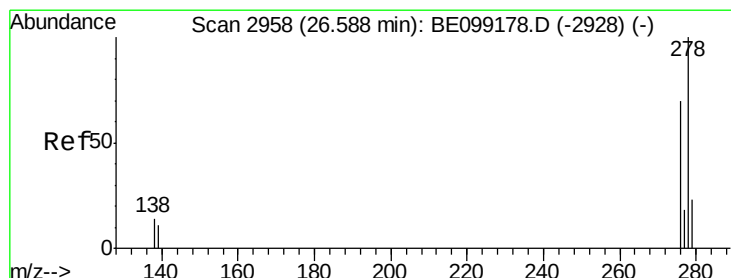
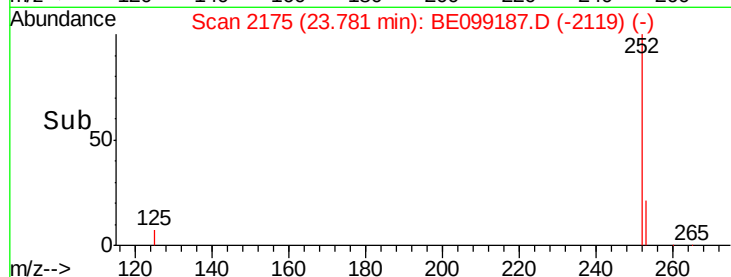
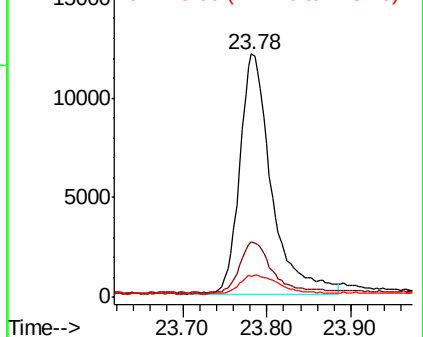
252 100

253 22.8 18.1 27.1

125 8.6 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



#38

Dibenzo(a,h)anthracene

Concen: 0.266 ng

RT: 26.58 min Scan# 2957

Delta R.T. -0.00 min

Lab File: BE099187.D

Acq: 25 Mar 2019 19:38

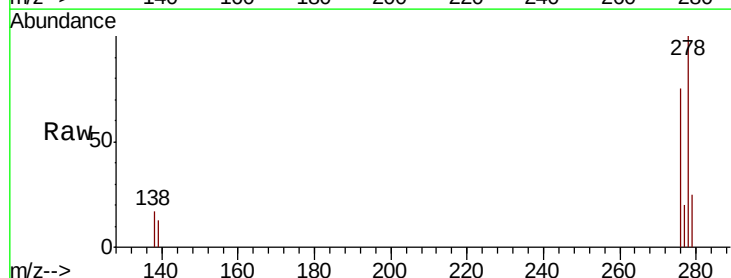
Tgt Ion:278 Resp: 23204

Ion Ratio Lower Upper

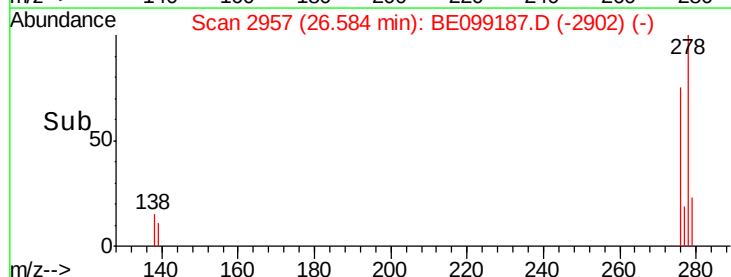
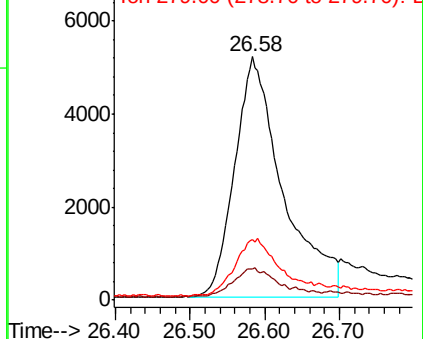
278 100

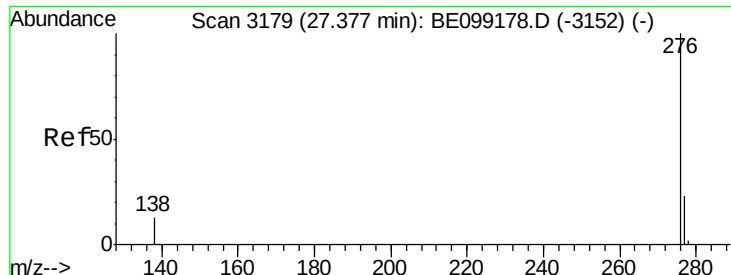
139 12.8 9.5 14.3

279 24.7 19.1 28.7



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: 0.290 ng

RT: 27.38 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BE099187.D

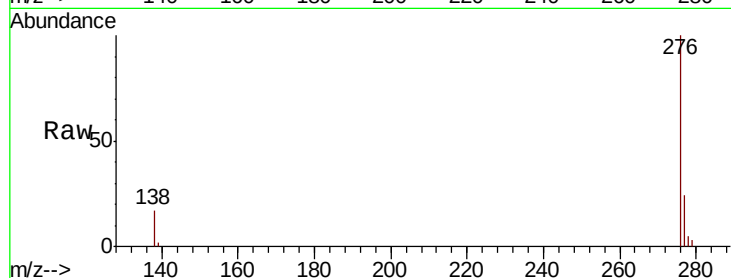
Acq: 25 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

PB118217BS



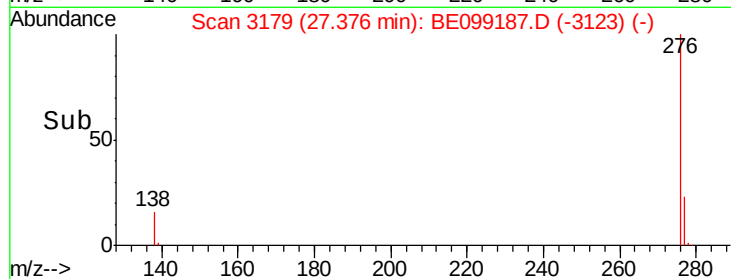
Tgt Ion: 276 Resp: 25340

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 17.2 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

