

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099744.D
 Acq On : 24 May 2019 16:10
 Operator : JU/SJ
 Sample : K3010-05MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-23(3-3.5)MSD

Quant Time: May 24 21:34:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1092	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	3767	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	2675	0.40	ng	-0.01
19) Phenanthrene-d10	17.22	188	8098	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	13399	0.40	ng	-0.01
34) Perylene-d12	23.94	264	16501	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1379	0.50	ng	0.00
5) Phenol-d6	6.96	99	1844	0.50	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1420	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2475	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	776	0.51	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3598	0.35	ng	0.00
25) Fluoranthene-d10	19.26	212	40538	0.37	ng	0.00
29) Terphenyl-d14	19.85	244	8056	0.34	ng	-0.02

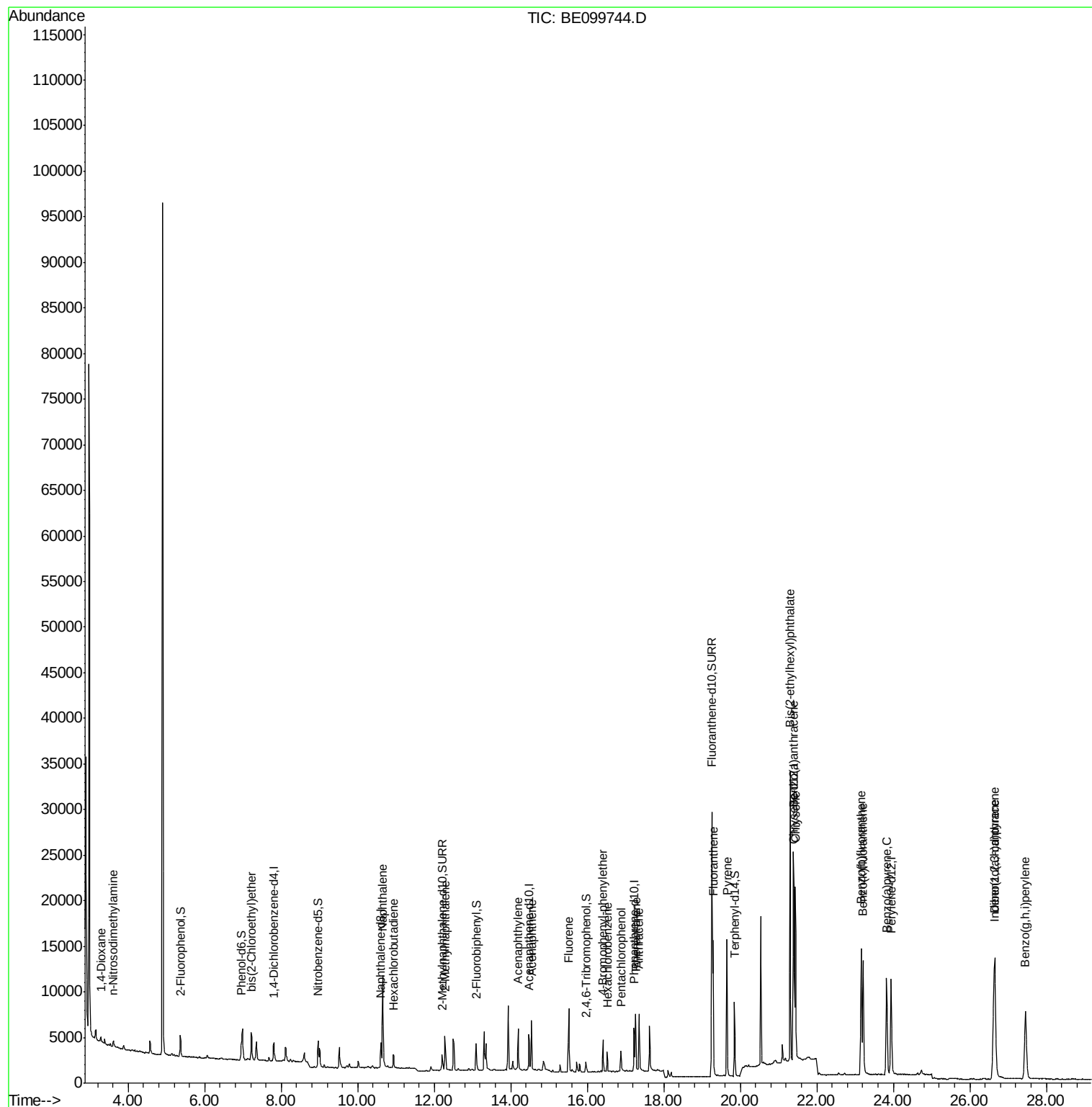
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	509	0.315	ng	# 69
3) n-Nitrosodimethylamine	3.61	42	424	0.475	ng	# 88
6) bis(2-Chloroethyl)ether	7.23	93	1376	0.424	ng	99
9) Naphthalene	10.65	128	17210	0.427	ng	99
10) Hexachlorobutadiene	10.93	225	1220	0.411	ng	98
12) 2-Methylnaphthalene	12.28	142	2791	0.425	ng	93
16) Acenaphthylene	14.20	152	5224	0.419	ng	100
17) Acenaphthene	14.54	154	2968	0.424	ng	99
18) Fluorene	15.52	166	4330	0.420	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	1962	0.420	ng	92
21) Hexachlorobenzene	16.52	284	1866	0.391	ng	98
22) Pentachlorophenol	16.88	266	1721	1.229	ng	93
23) Phenanthrene	17.27	178	8183	0.414	ng	99
24) Anthracene	17.35	178	7635	0.425	ng	100
26) Fluoranthene	19.29	202	13533	0.433	ng	99
28) Pyrene	19.65	202	14434	0.429	ng	99
30) Benzo(a)anthracene	21.39	228	19240	0.505	ng	100
31) Chrysene	21.44	228	18787	0.462	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	32304	0.736	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	23543	0.479	ng	99
35) Benzo(b)fluoranthene	23.16	252	19547	0.432	ng	# 97
36) Benzo(k)fluoranthene	23.21	252	20259	0.430	ng	# 97
37) Benzo(a)pyrene	23.82	252	19229	0.442	ng	98
38) Dibenzo(a,h)anthracene	26.65	278	19427	0.425	ng	99
39) Benzo(g,h,i)perylene	27.45	276	20230	0.438	ng	99

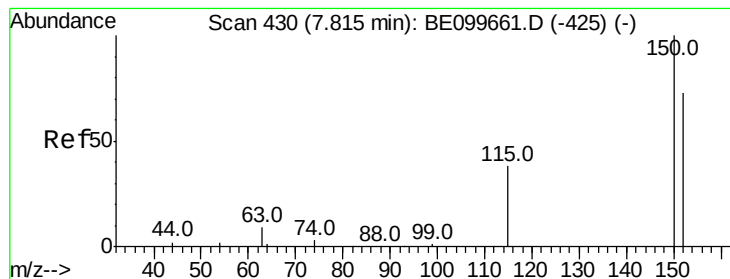
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 20 19:29:40 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

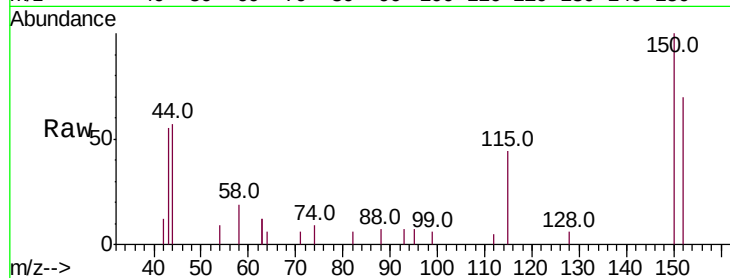
Tot Ion:152 Resp: 1092

Ion Ratio Lower Upper

152 100

150 143.8 109.2 163.8

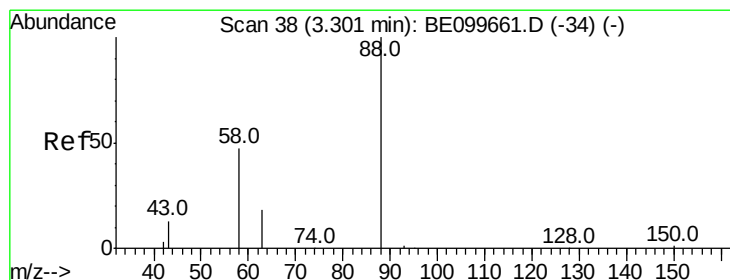
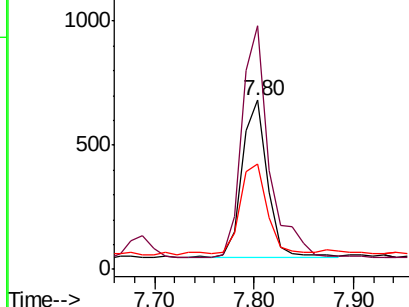
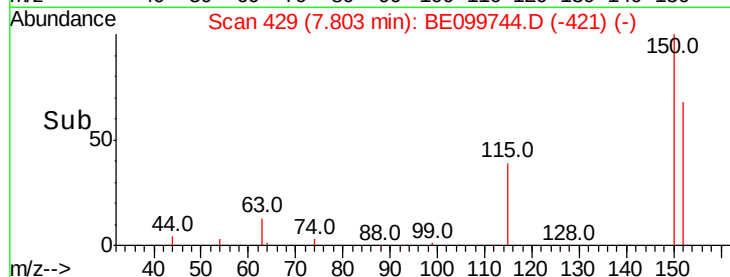
115 62.6 43.7 65.5



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: 0.315 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

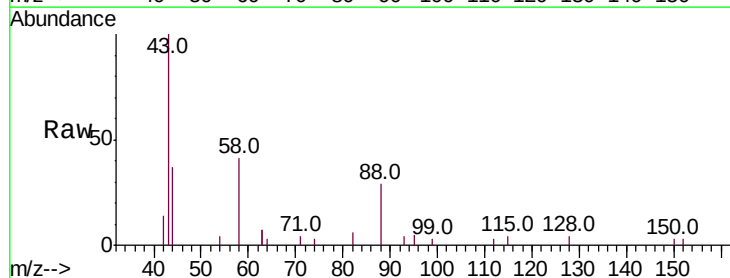
Tgt Ion: 88 Resp: 509

Ion Ratio Lower Upper

88 100

58 71.7 41.8 62.8#

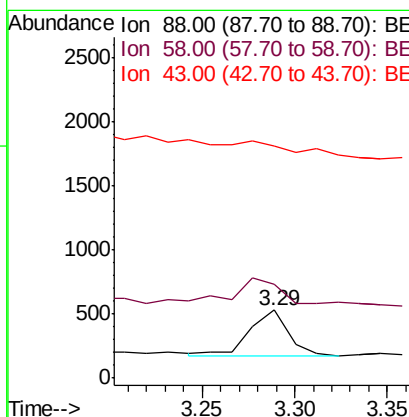
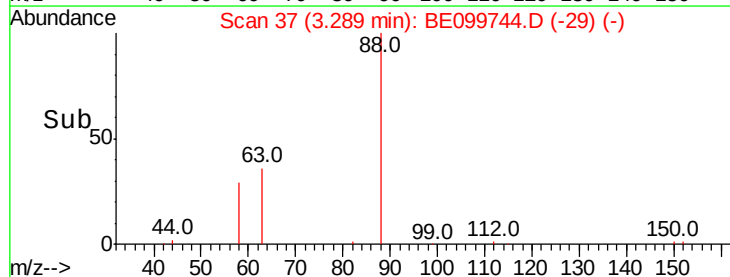
43 0.0 15.0 22.4#

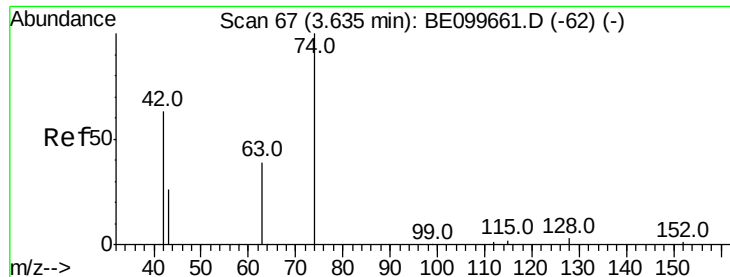


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.475 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

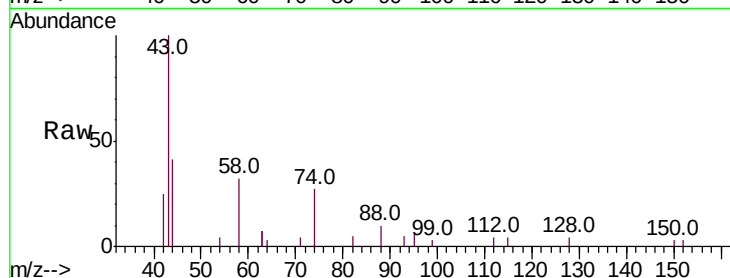
Tot Ion: 42 Resp: 424

Ion Ratio Lower Upper

42 100

74 178.1 129.2 193.8

44 19.8 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

800

600

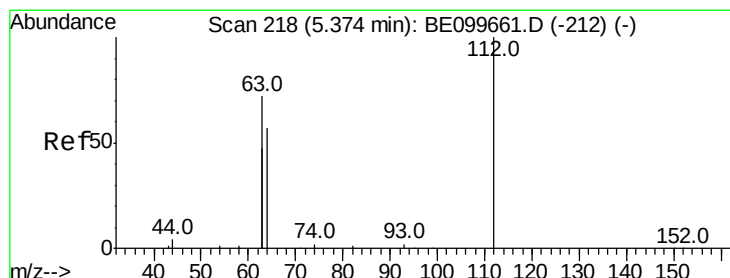
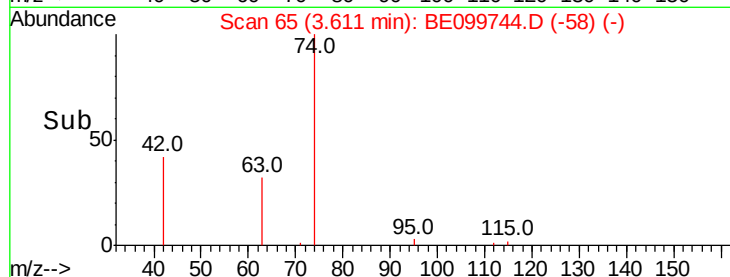
400

200

0

3.50 3.55 3.60 3.65 3.70

Time-->



#4

2-Fluorophenol

Concen: 0.500 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

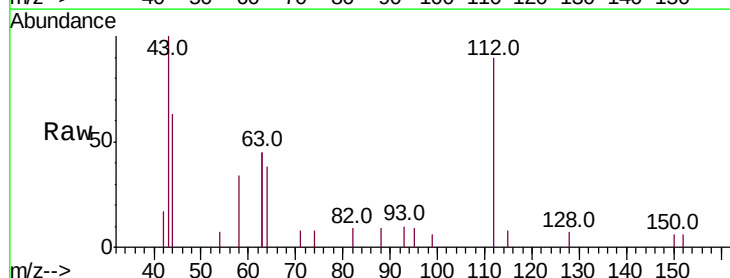
Tgt Ion: 112 Resp: 1379

Ion Ratio Lower Upper

112 100

64 55.9 43.4 65.2

63 121.8 96.9 145.3



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

1500

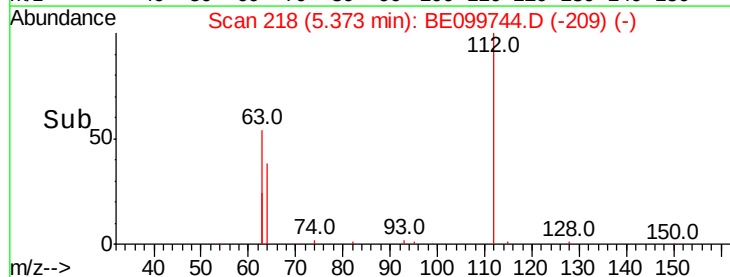
1000

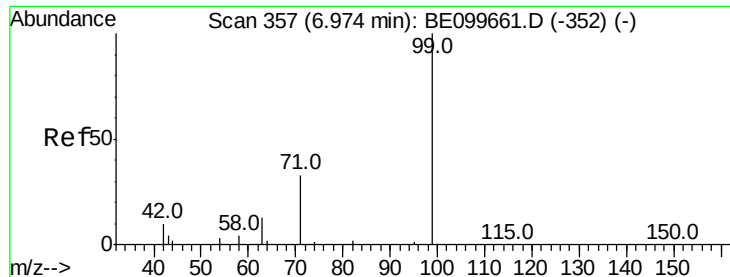
500

0

5.30 5.35 5.40 5.45 5.50

Time-->





#5

Phenol-d6

Concen: 0.505 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

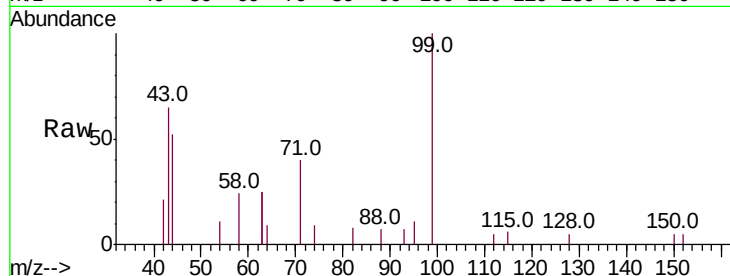
Tot Ion: 99 Resp: 1844

Ion Ratio Lower Upper

99 100

42 20.2 12.2 18.2#

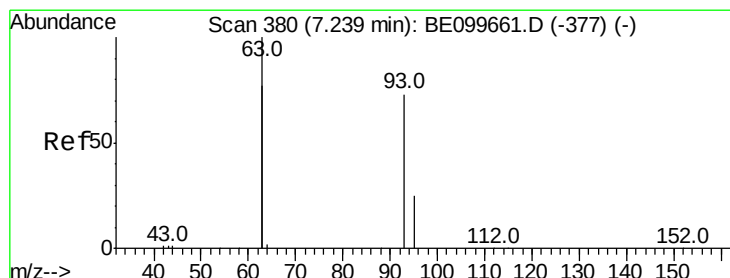
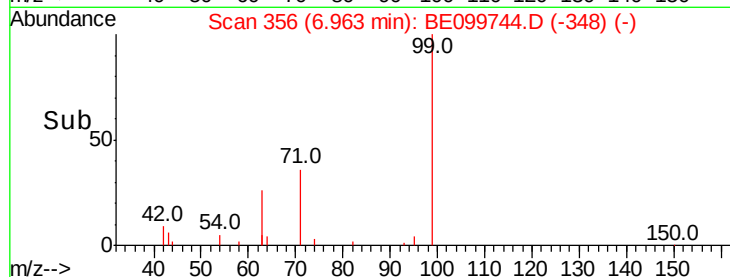
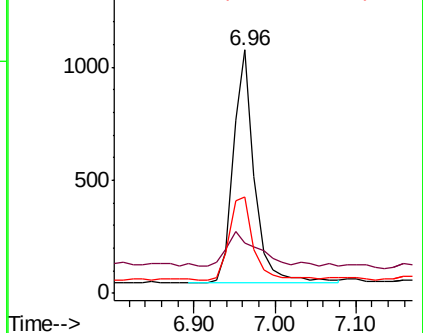
71 40.6 28.9 43.3



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: 0.424 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

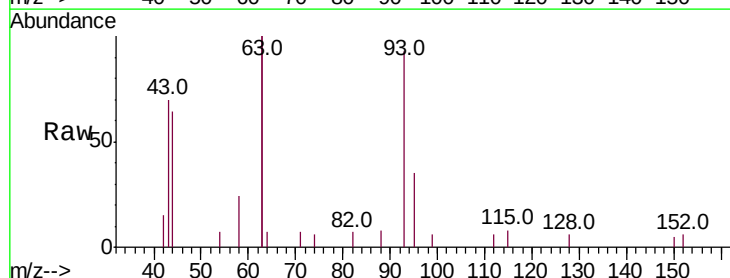
Tgt Ion: 93 Resp: 1376

Ion Ratio Lower Upper

93 100

63 261.3 207.8 311.6

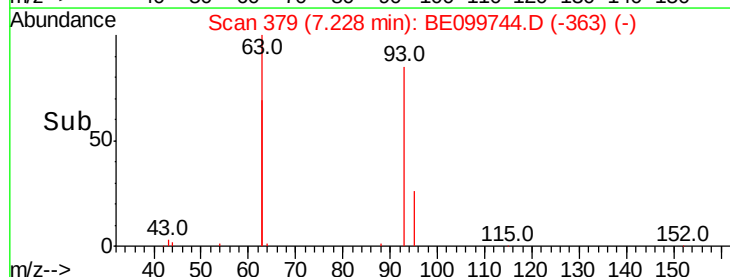
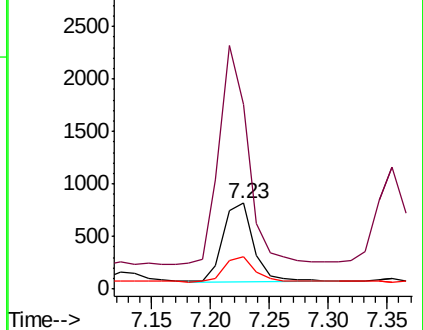
95 31.3 25.9 38.9

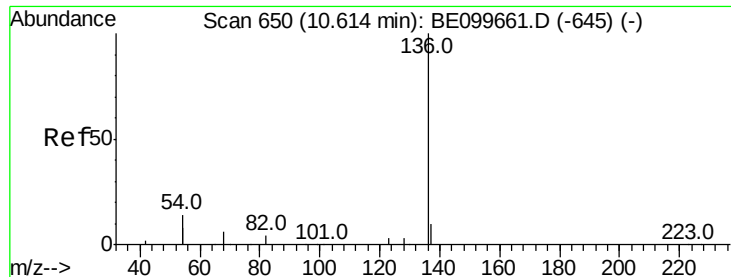


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:136 Resp: 3767

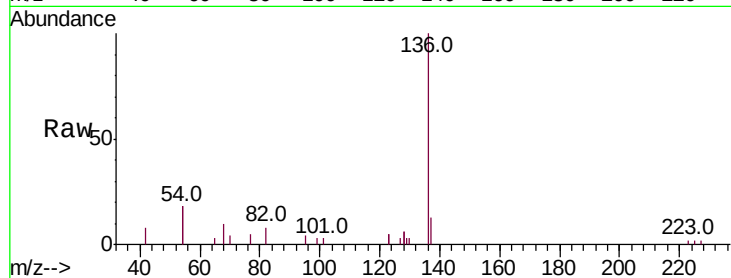
Ion Ratio Lower Upper

136 100

137 13.1 9.0 13.6

54 36.8 22.3 33.5#

68 10.0 6.0 9.0#

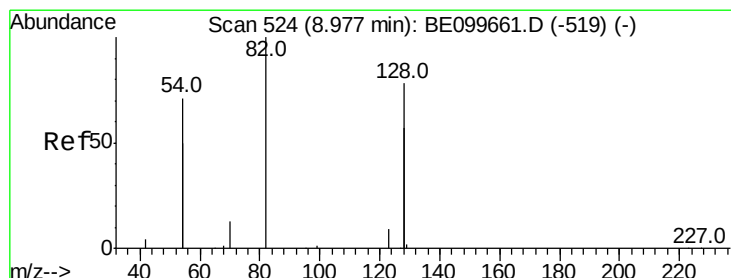
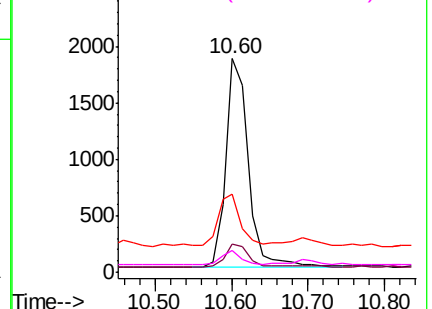
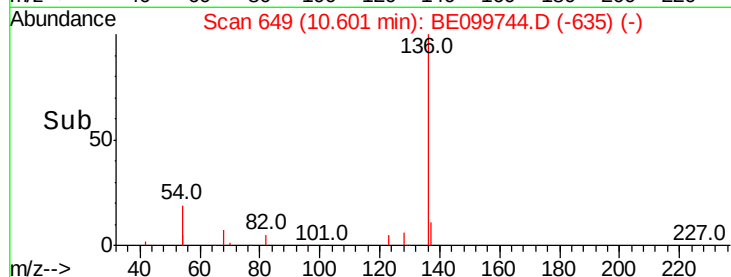


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.435 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

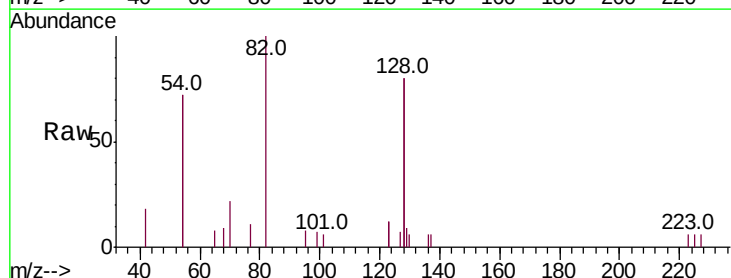
Tgt Ion: 82 Resp: 1420

Ion Ratio Lower Upper

82 100

128 160.4 117.7 176.5

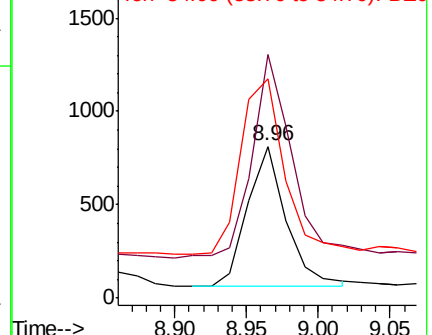
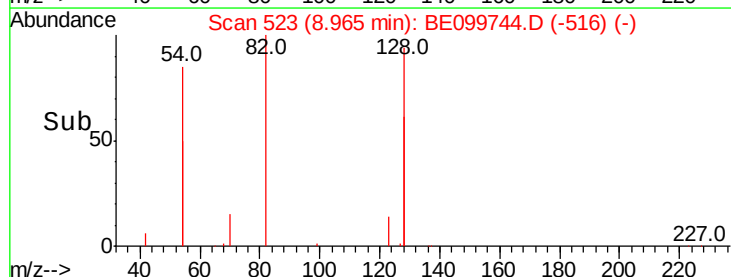
54 144.6 106.6 160.0

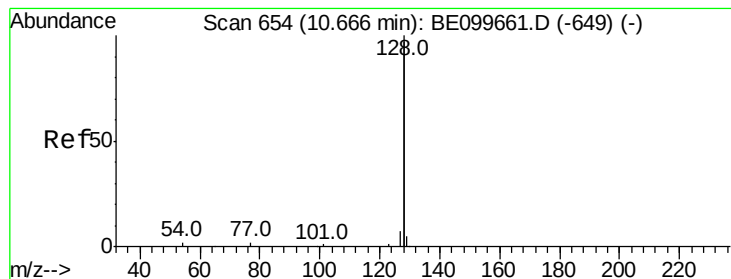


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.427 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099744.D

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FESB-23(3-3.5)MSD

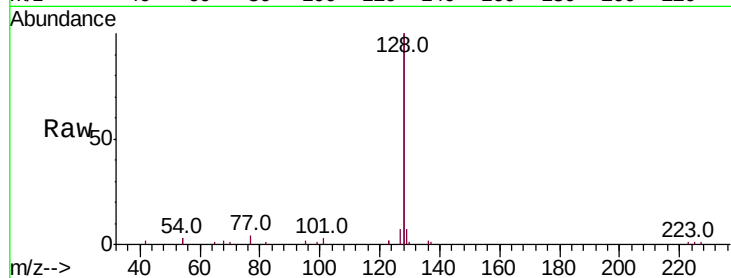
Tot Ion:128 Resp: 17210

Ion Ratio Lower Upper

128 100

129 3.4 2.4 3.6

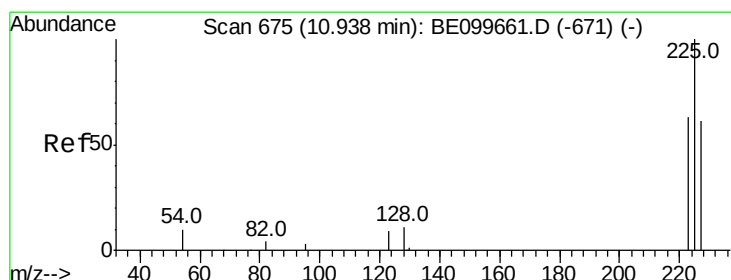
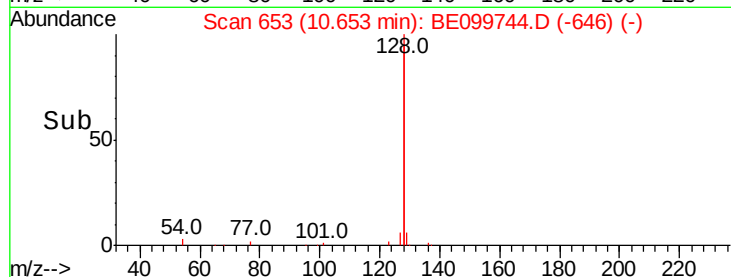
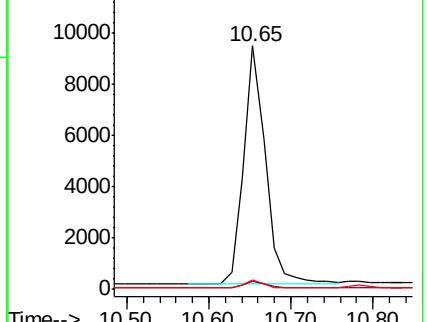
127 3.6 2.9 4.3



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: 0.411 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

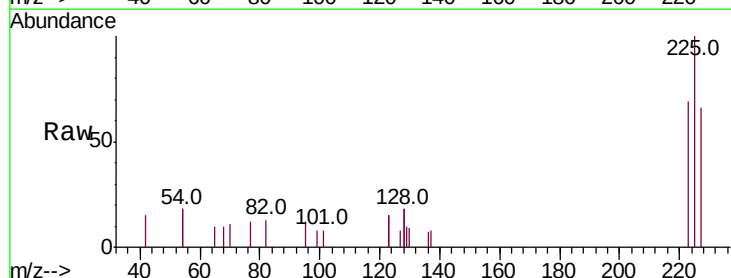
Tgt Ion:225 Resp: 1220

Ion Ratio Lower Upper

225 100

223 62.1 51.8 77.6

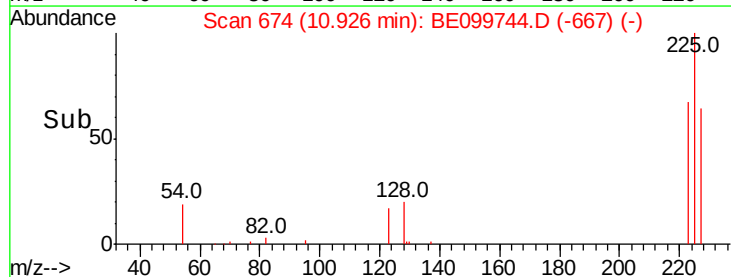
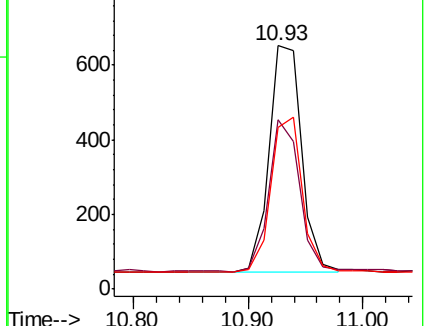
227 64.8 52.6 79.0

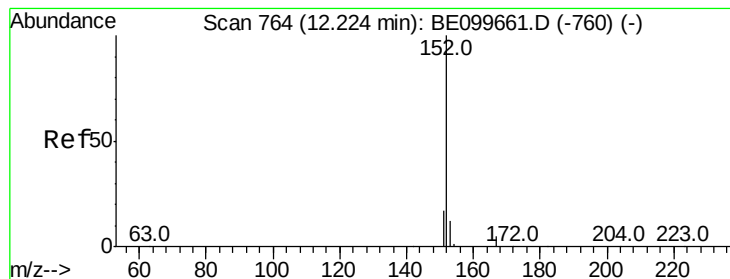


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.381 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

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ClientSampleId :

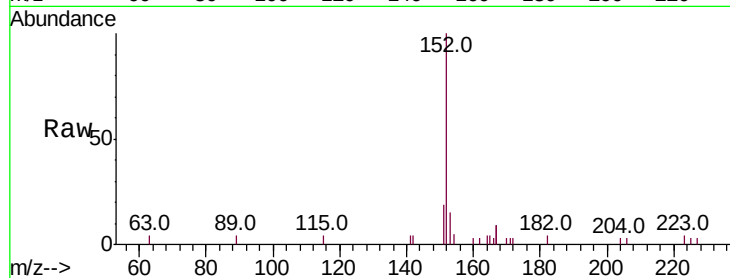
FESB-23(3-3.5)MSD

Tot Ion:152 Resp: 2475

Ion Ratio Lower Upper

152 100

151 19.1 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

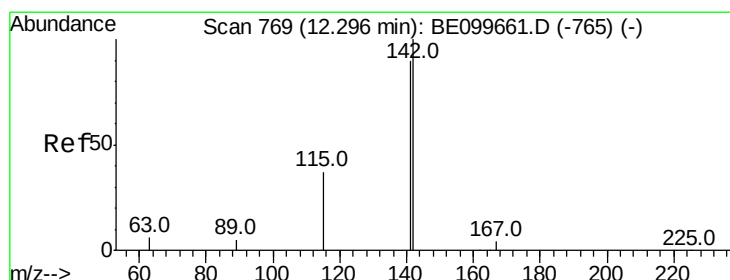
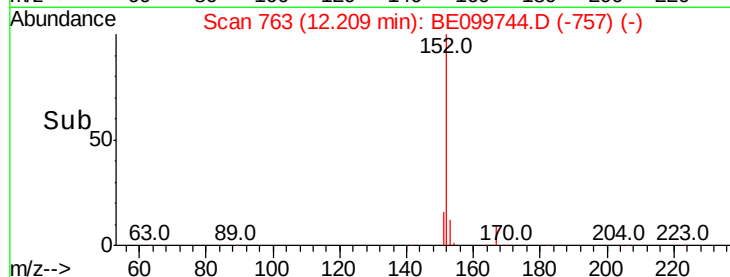
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.425 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

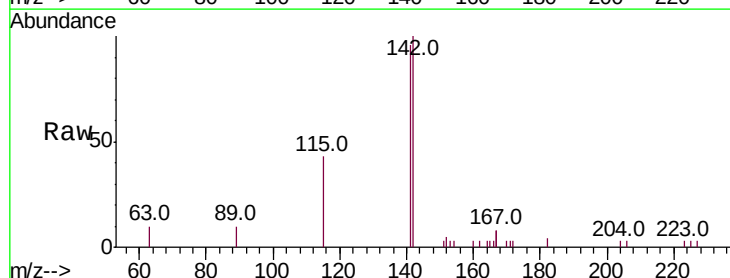
Tgt Ion:142 Resp: 2791

Ion Ratio Lower Upper

142 100

141 96.3 72.0 108.0

115 42.9 31.0 46.4



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

2000

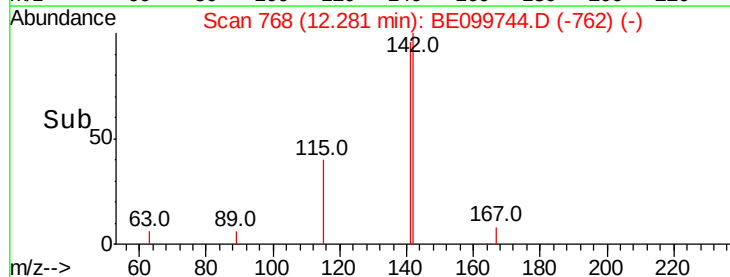
1500

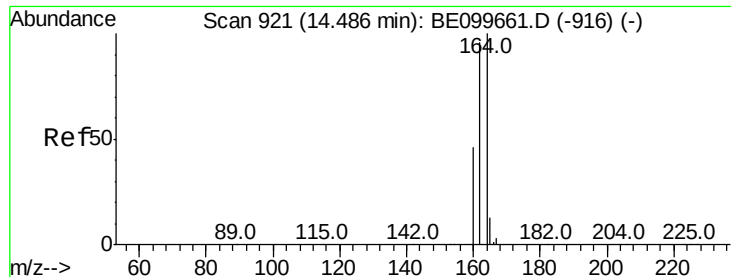
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

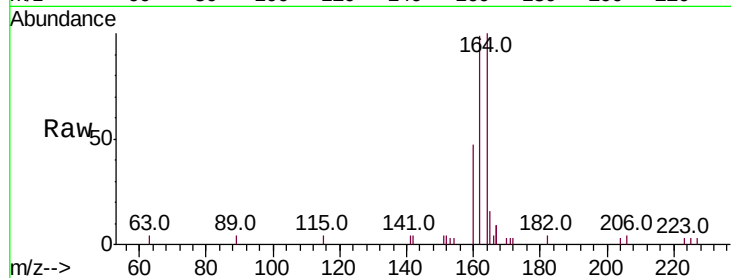
Tot Ion:164 Resp: 2675

Ion Ratio Lower Upper

164 100

162 99.0 76.5 114.7

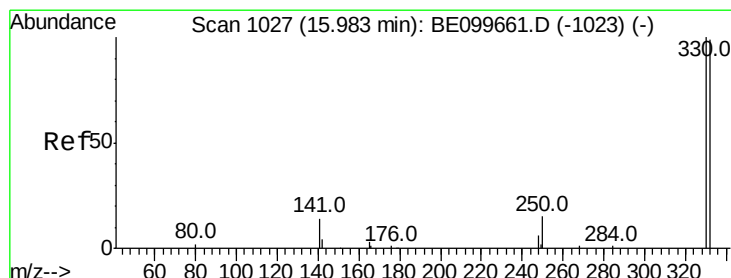
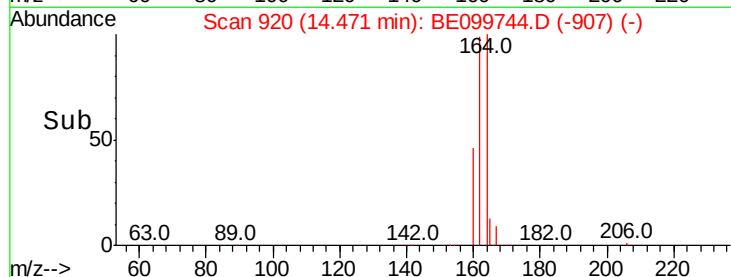
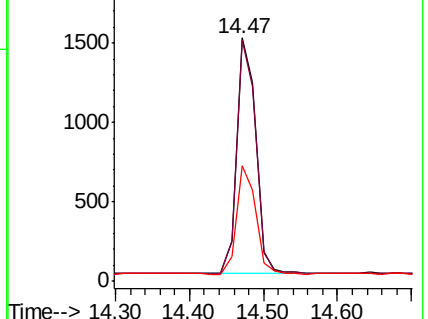
160 47.5 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.507 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

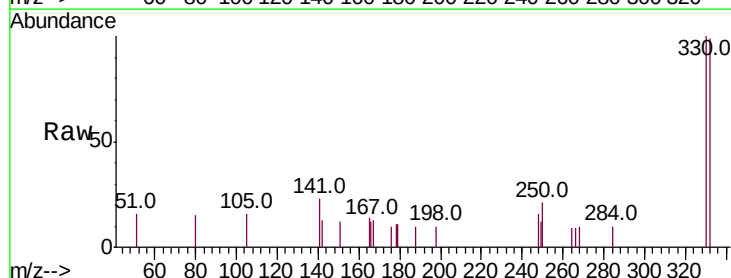
Tgt Ion:330 Resp: 776

Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

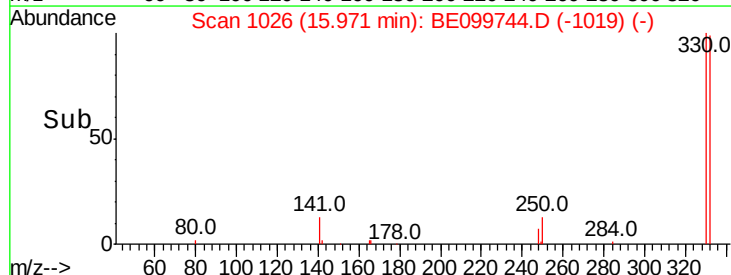
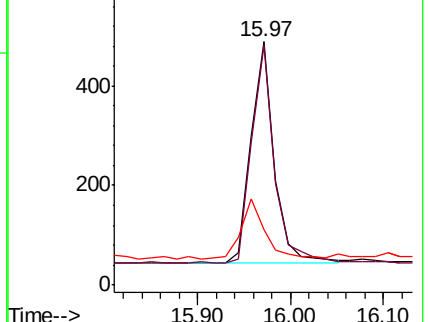
141 27.4 18.9 28.3

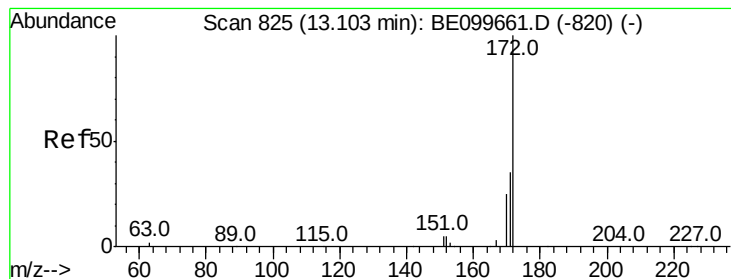


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.354 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

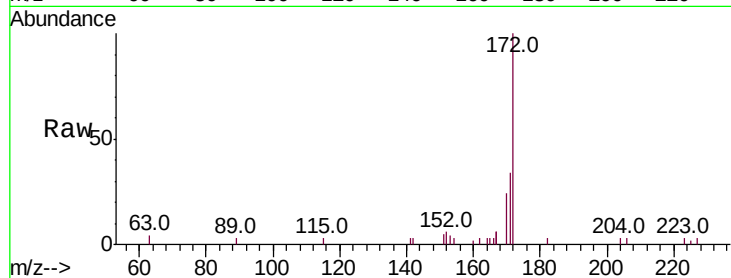
Tot Ion:172 Resp: 3598

Ion Ratio Lower Upper

172 100

171 34.3 28.7 43.1

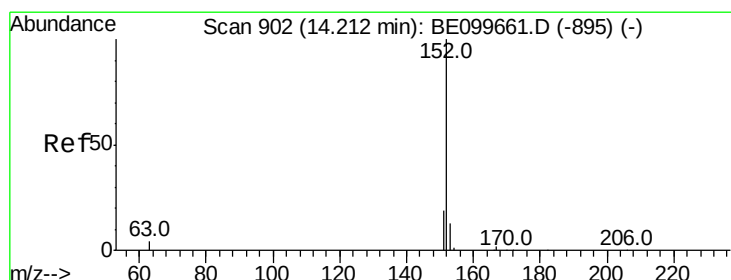
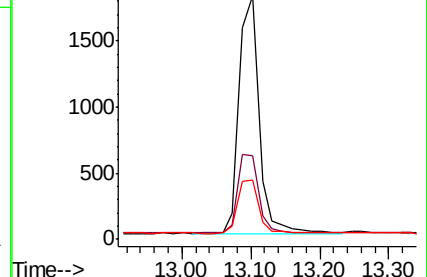
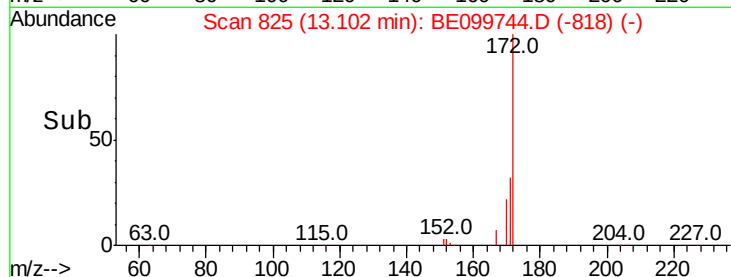
170 24.2 20.9 31.3



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: 0.419 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

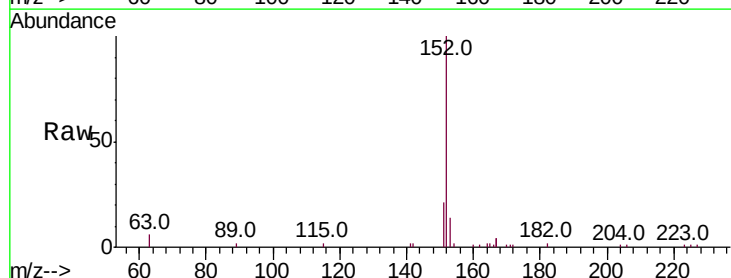
Tgt Ion:152 Resp: 5224

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

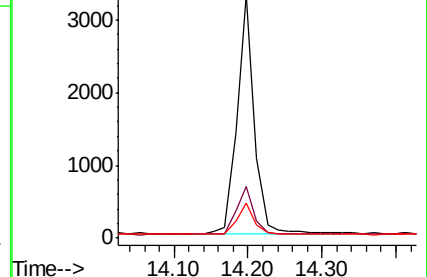
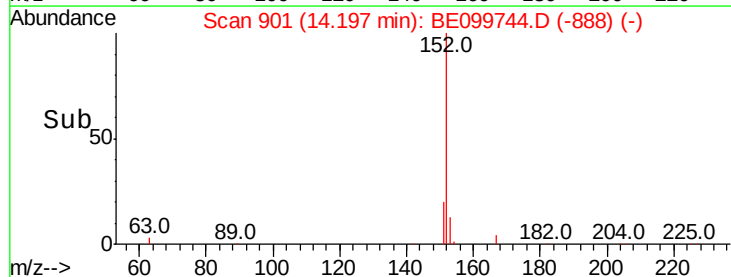
153 13.1 10.6 16.0

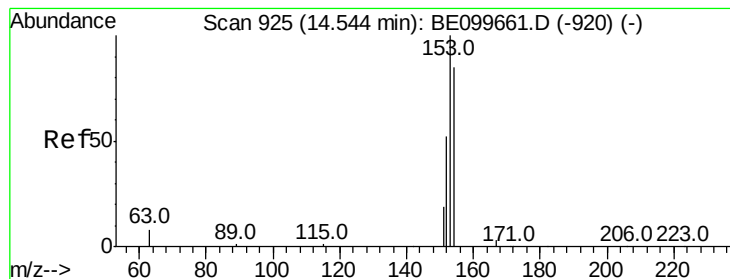


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.424 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

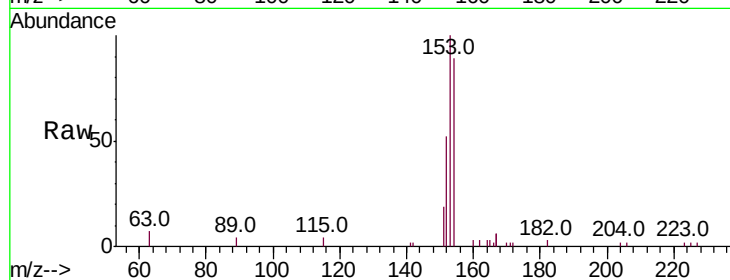
Tot Ion:154 Resp: 2968

Ion Ratio Lower Upper

154 100

153 115.1 91.8 137.6

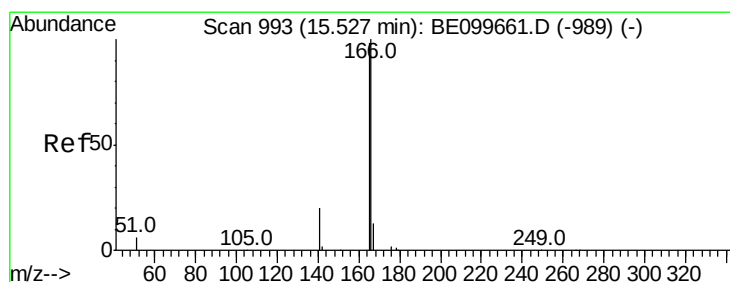
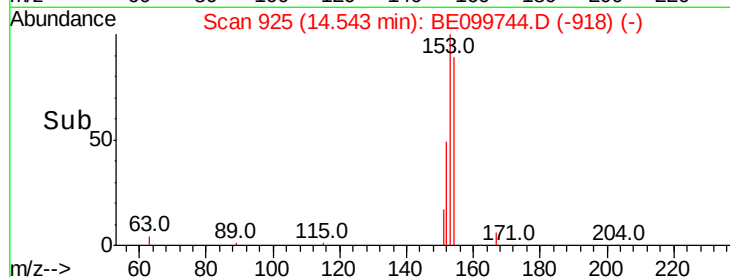
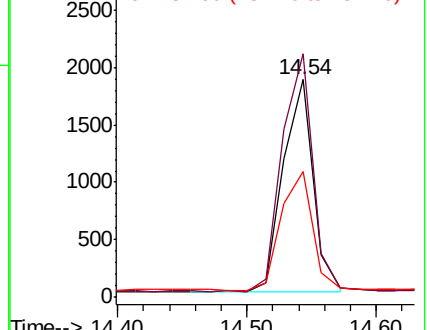
152 58.6 46.0 69.0



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: 0.420 ng

RT: 15.52 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

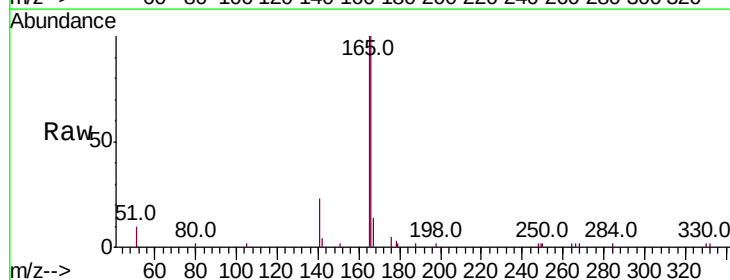
Tgt Ion:166 Resp: 4330

Ion Ratio Lower Upper

166 100

165 100.3 80.3 120.5

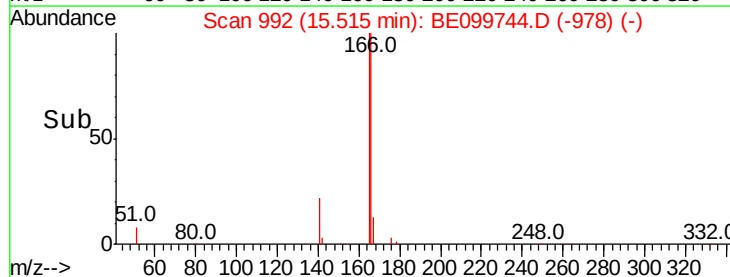
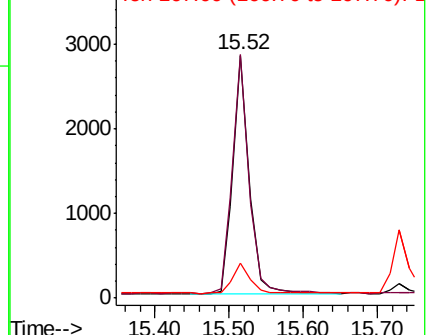
167 13.2 10.6 16.0

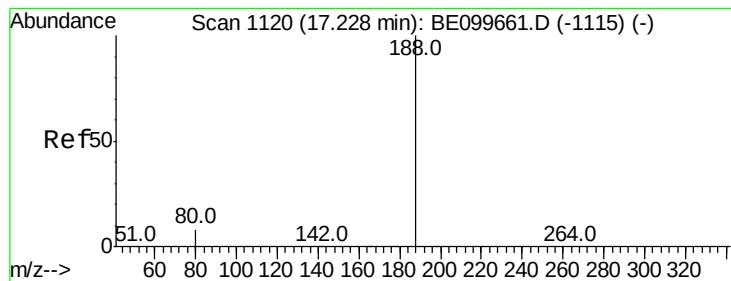


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

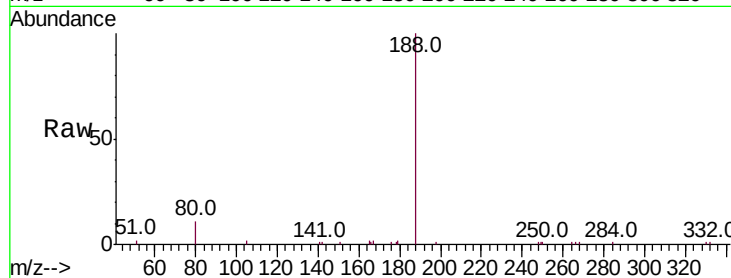
Tot Ion:188 Resp: 8098

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

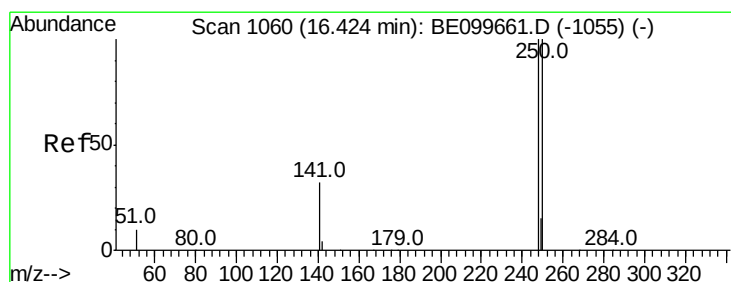
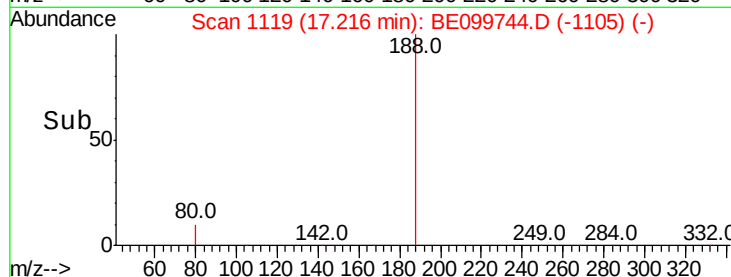
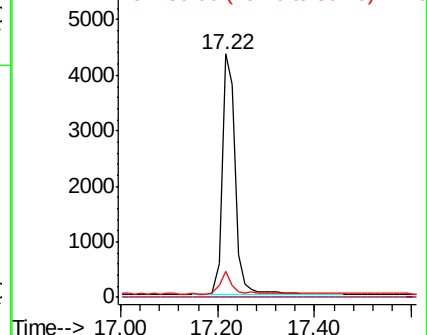
80 10.8 6.7 10.1#



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: 0.420 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

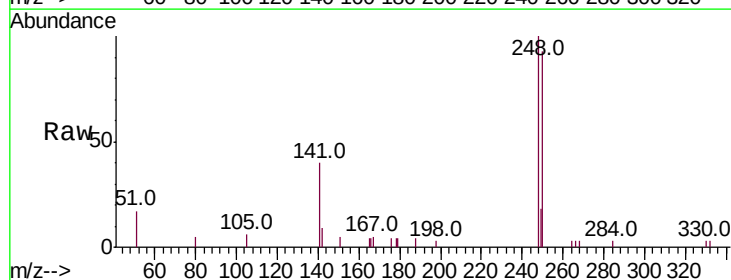
Tgt Ion:248 Resp: 1962

Ion Ratio Lower Upper

248 100

250 93.4 79.8 119.8

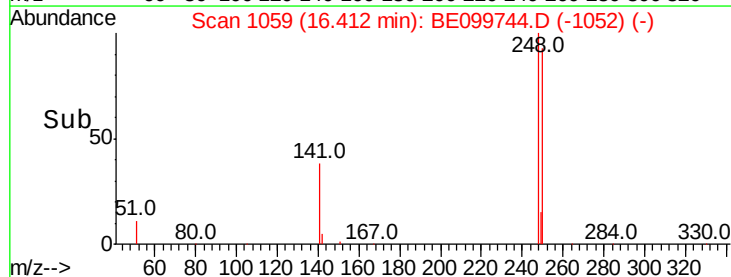
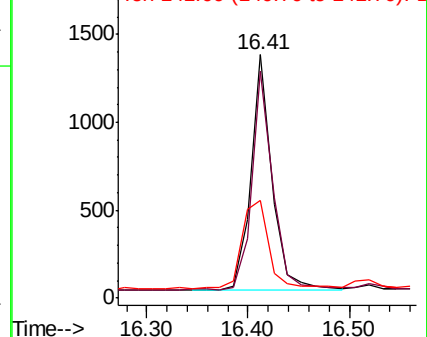
141 40.1 27.0 40.6

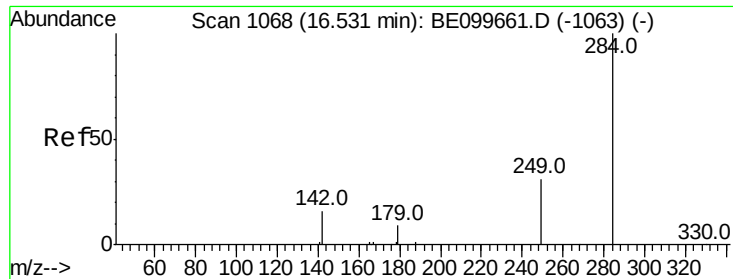


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.391 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

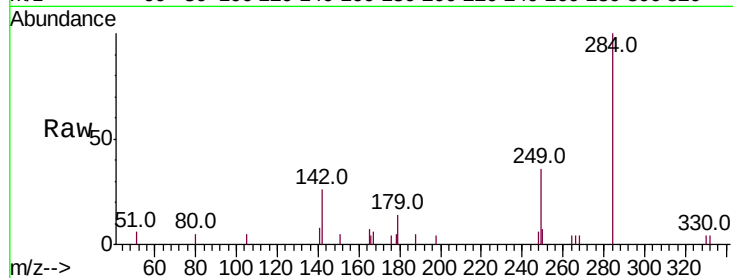
Tot Ion:284 Resp: 1866

Ion Ratio Lower Upper

284 100

142 23.7 17.8 26.6

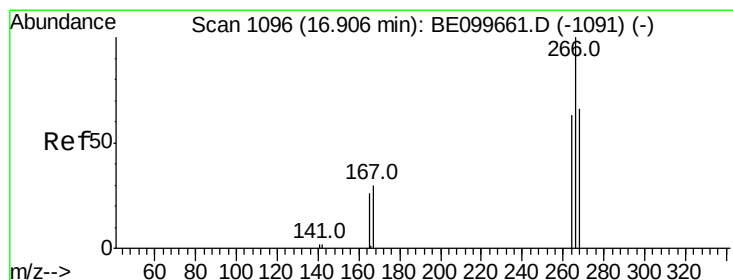
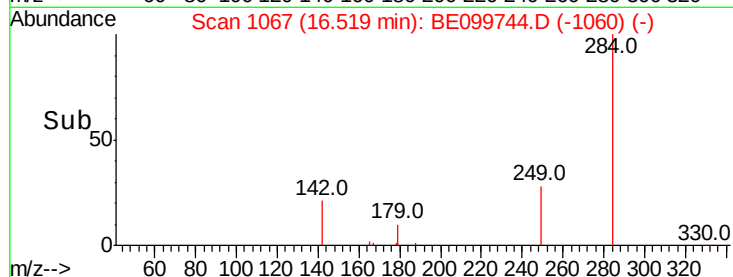
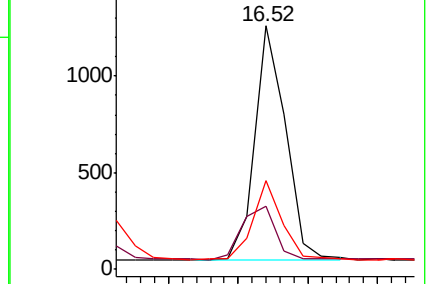
249 31.8 24.8 37.2



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: 1.229 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

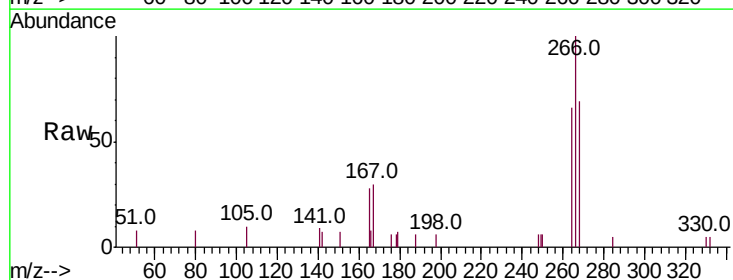
Tgt Ion:266 Resp: 1721

Ion Ratio Lower Upper

266 100

264 65.7 57.2 85.8

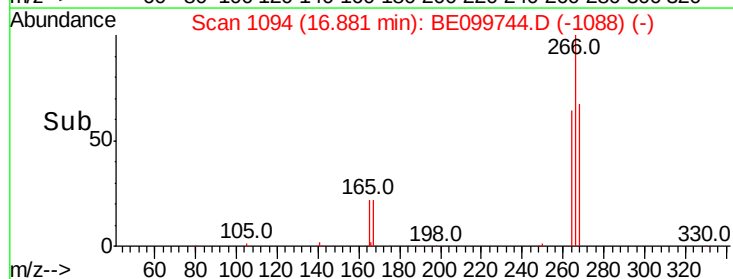
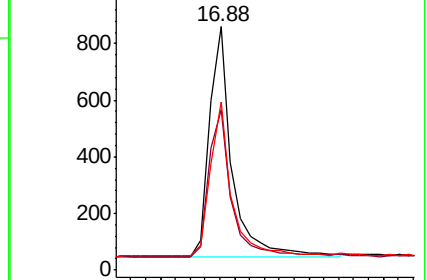
268 69.2 60.5 90.7

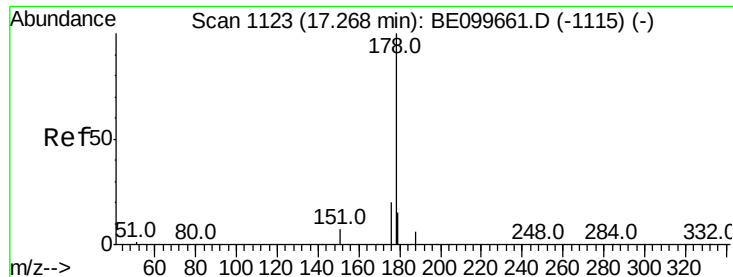


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.414 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

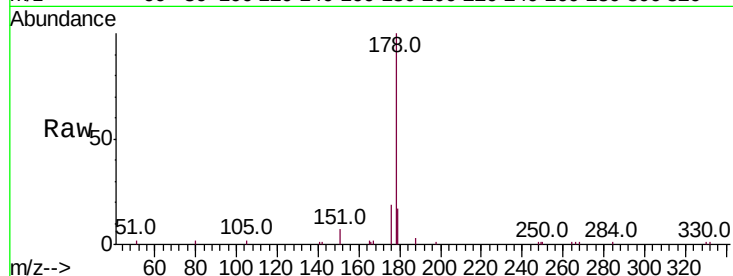
Tot Ion:178 Resp: 8183

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

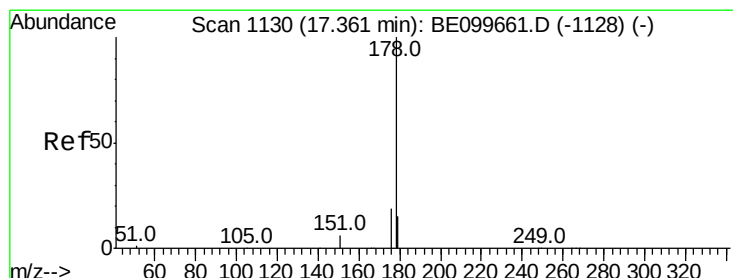
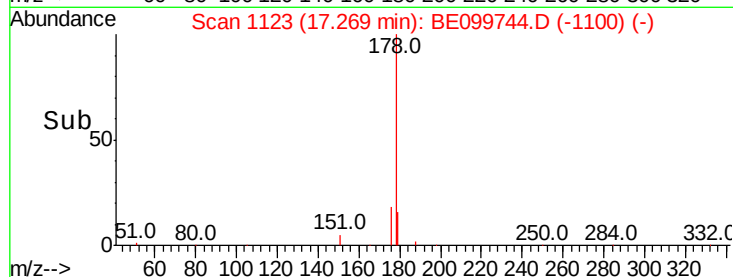
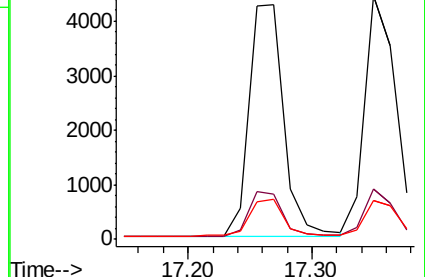
179 15.8 12.2 18.4



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: 0.425 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

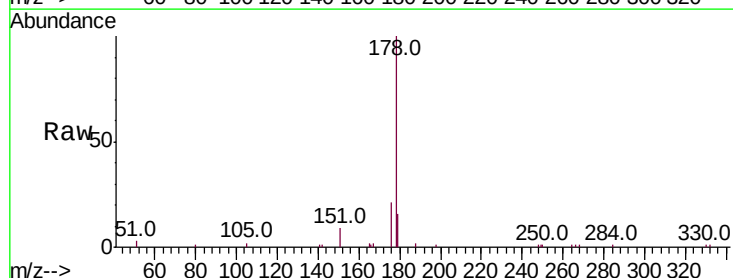
Tgt Ion:178 Resp: 7635

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

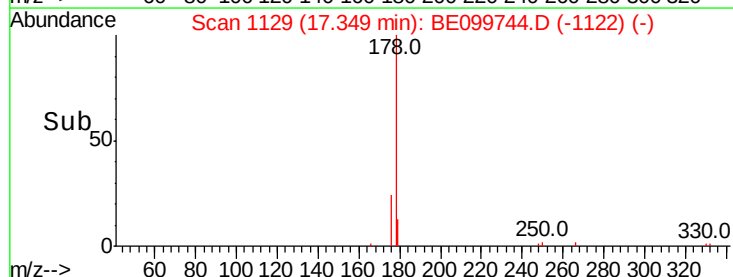
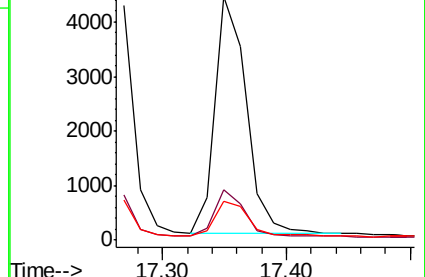
179 15.0 12.0 18.0

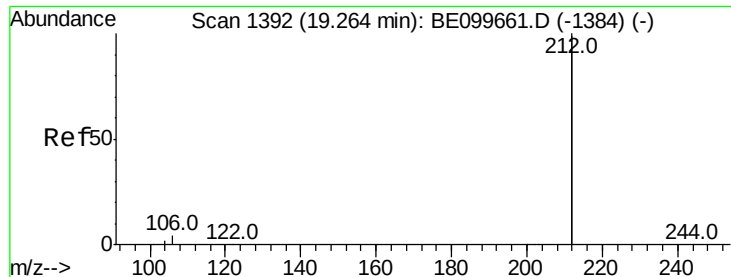


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

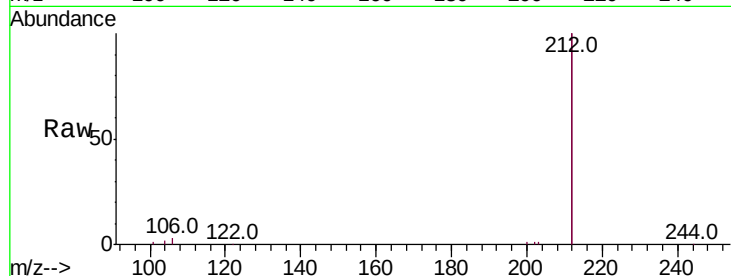
Tot Ion:212 Resp: 40538

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

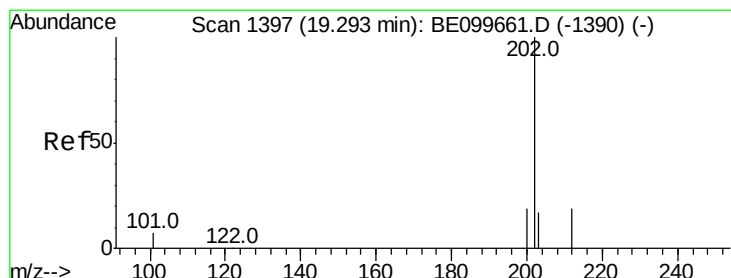
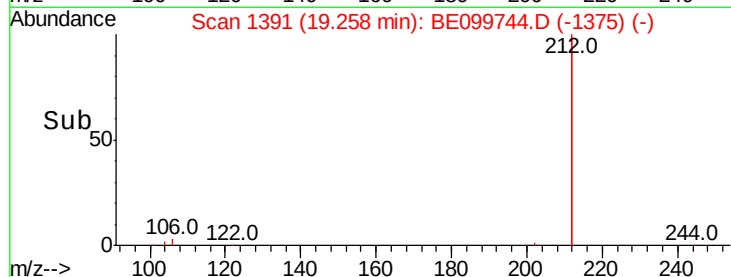
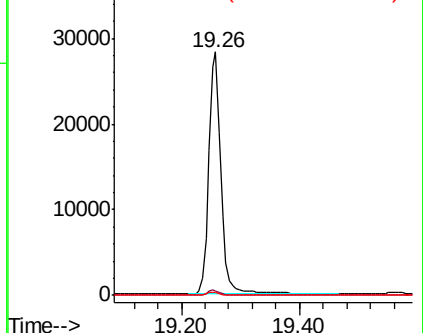
104 1.1 0.8 1.2



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: 0.433 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

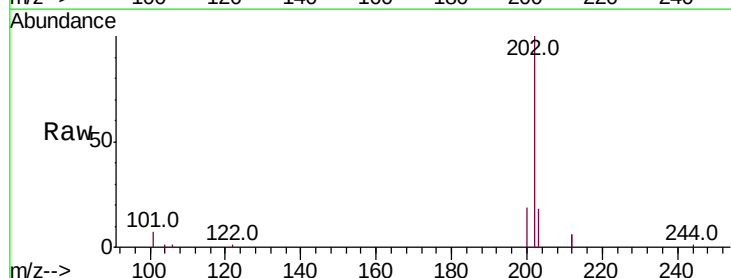
Tgt Ion:202 Resp: 13533

Ion Ratio Lower Upper

202 100

101 6.9 5.2 7.8

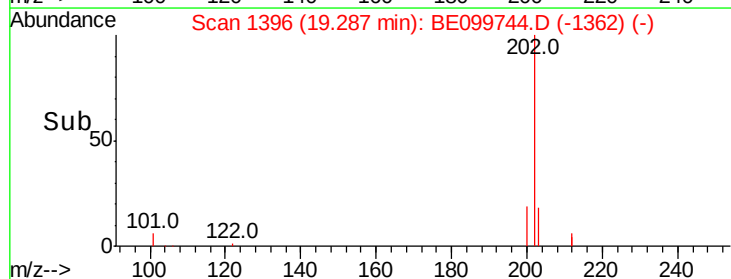
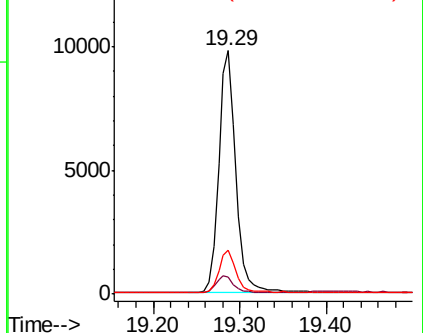
203 17.0 13.8 20.6

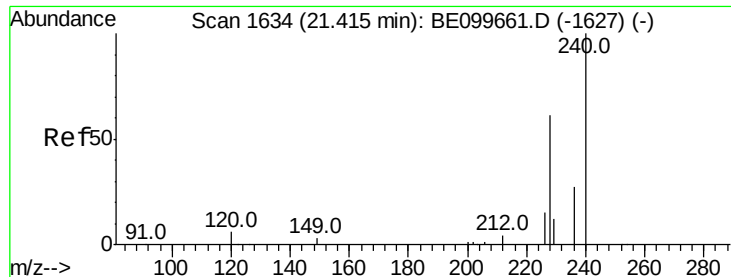


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

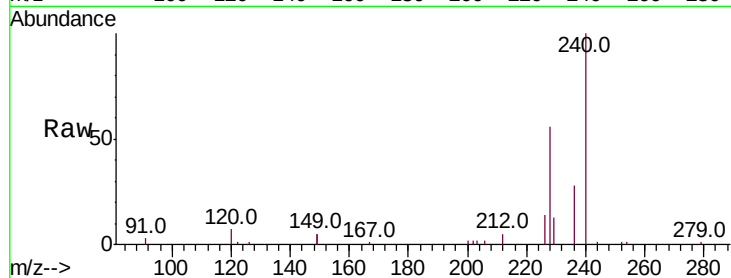
Tot Ion:240 Resp: 13399

Ion Ratio Lower Upper

240 100

120 6.6 5.4 8.0

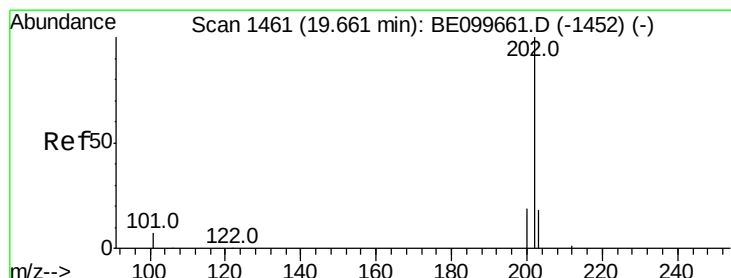
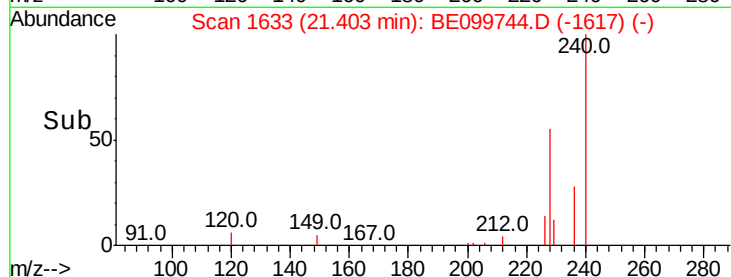
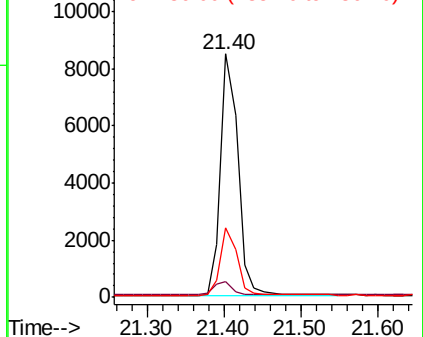
236 28.3 21.7 32.5



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: 0.429 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

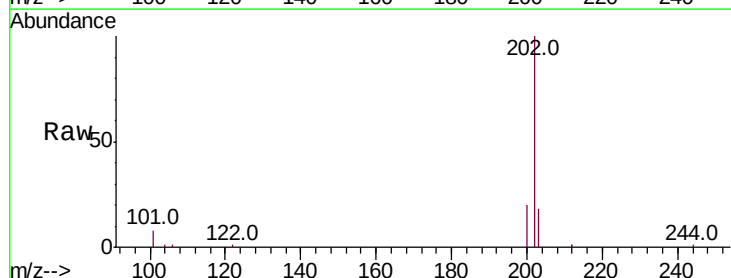
Tgt Ion:202 Resp: 14434

Ion Ratio Lower Upper

202 100

200 19.3 15.4 23.2

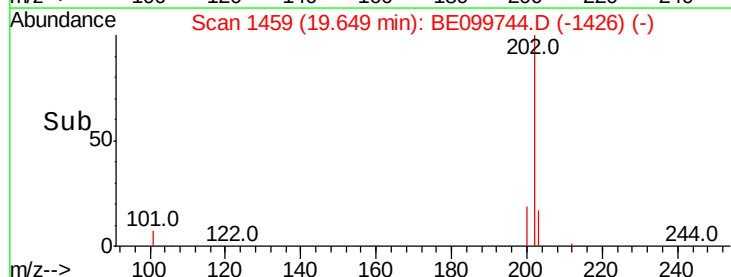
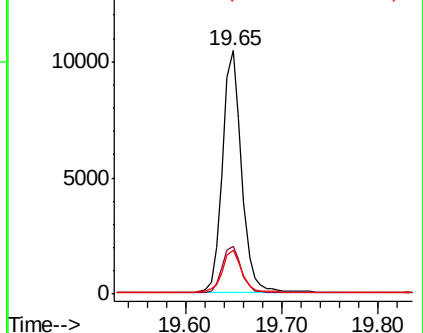
203 18.3 13.8 20.8

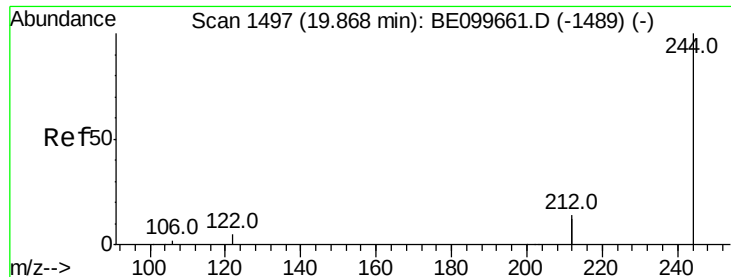


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.337 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

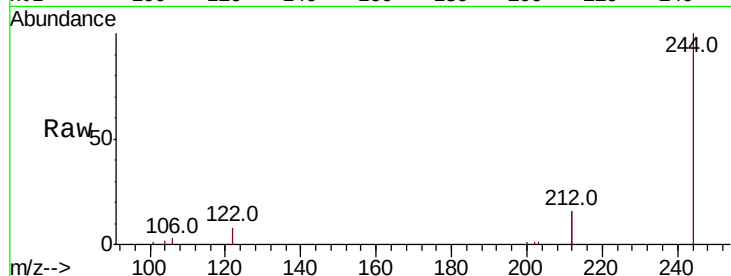
Tot Ion:244 Resp: 8056

Ion Ratio Lower Upper

244 100

212 31.7 22.5 33.7

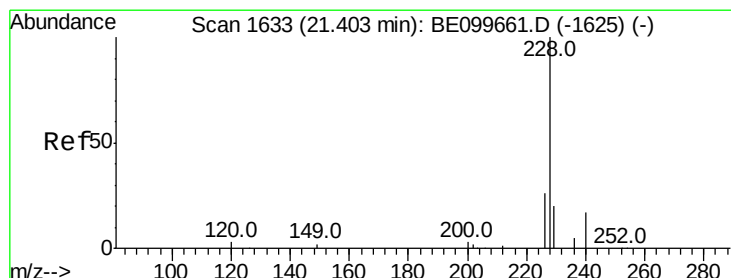
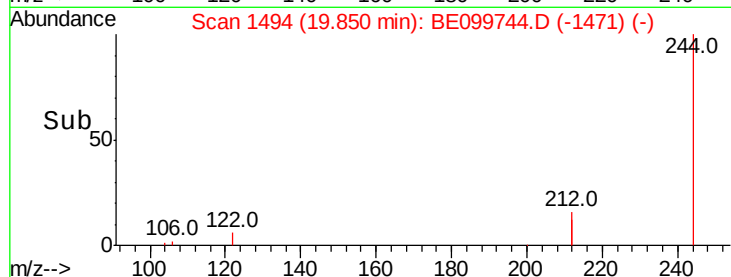
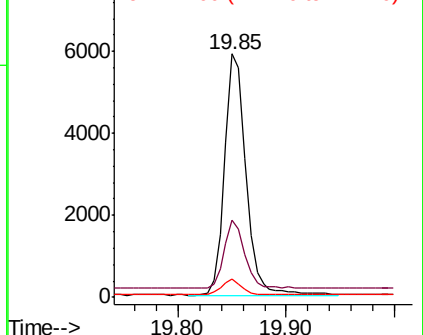
122 7.5 4.3 6.5#



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: 0.505 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

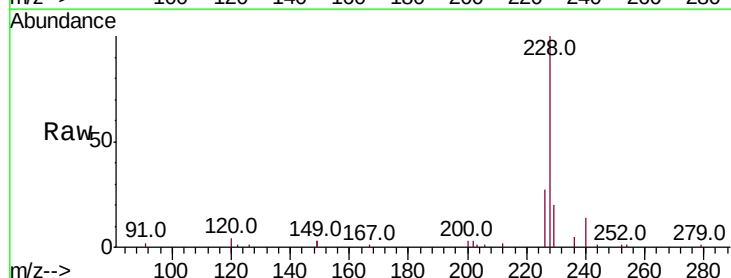
Tgt Ion:228 Resp: 19240

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

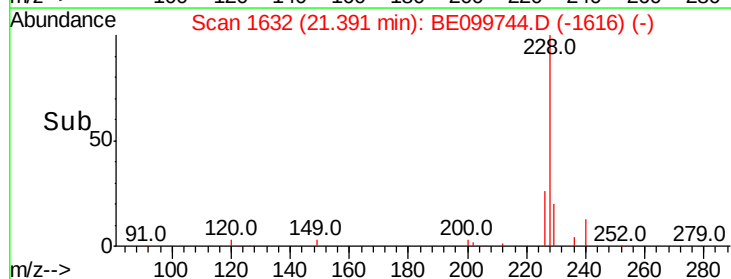
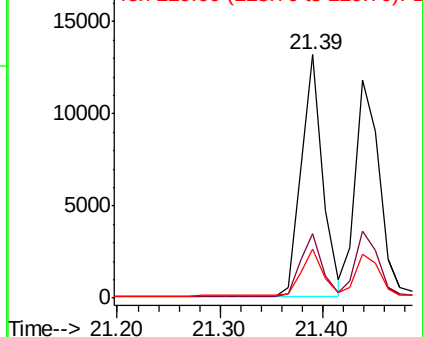
229 20.3 16.1 24.1

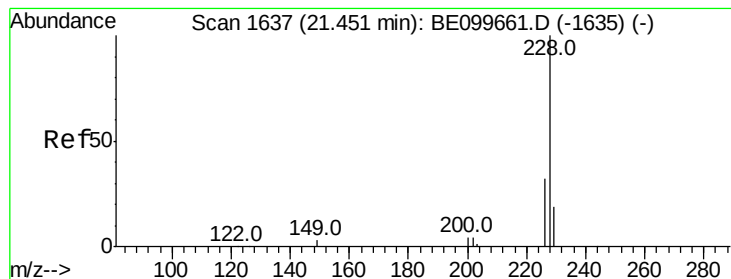


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.462 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

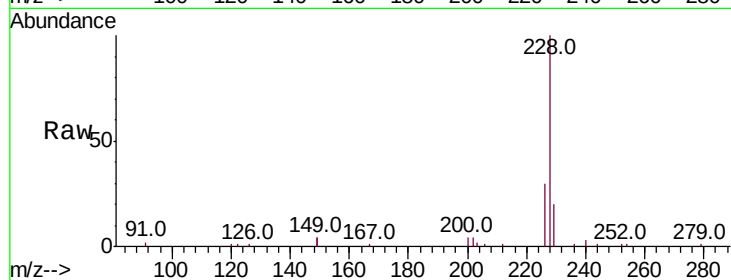
Tot Ion:228 Resp: 18787

Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

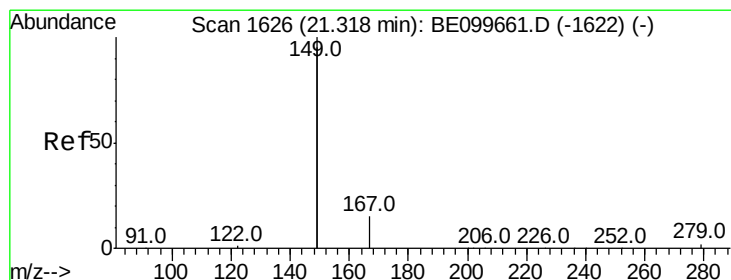
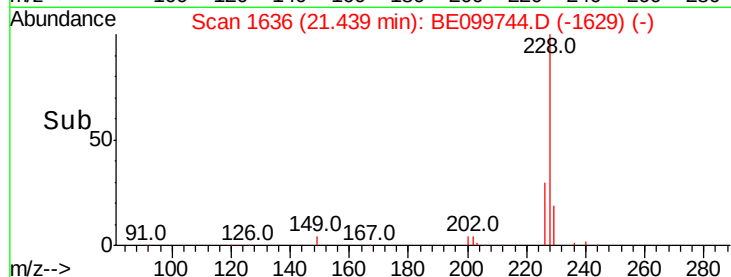
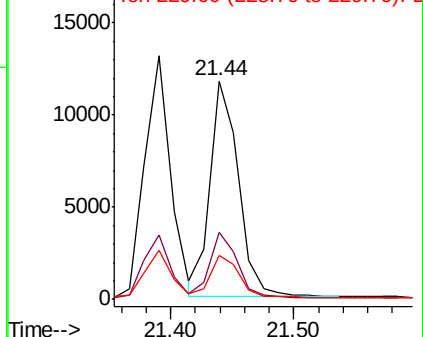
229 19.9 15.8 23.6



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: 0.736 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

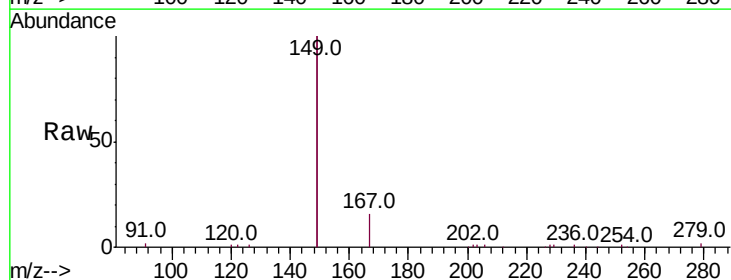
Tgt Ion:149 Resp: 32304

Ion Ratio Lower Upper

149 100

167 7.9 6.2 9.4

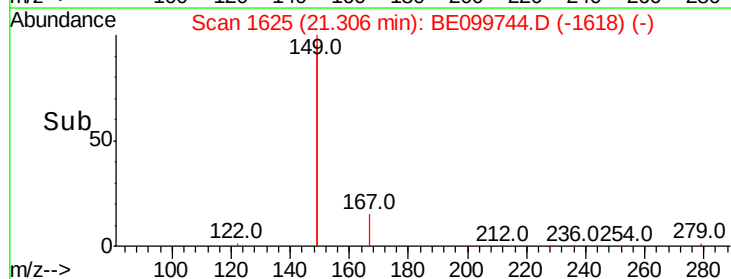
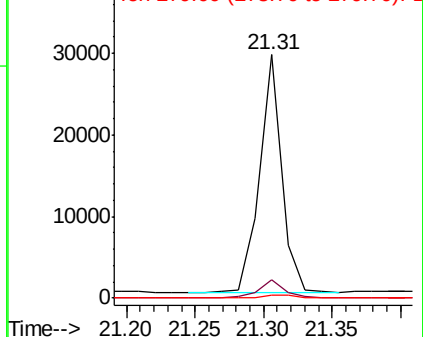
279 1.4 1.2 1.8

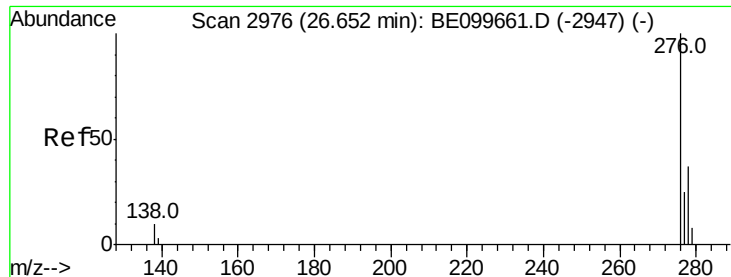


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.479 ng

RT: 26.63 min Scan# 2970

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

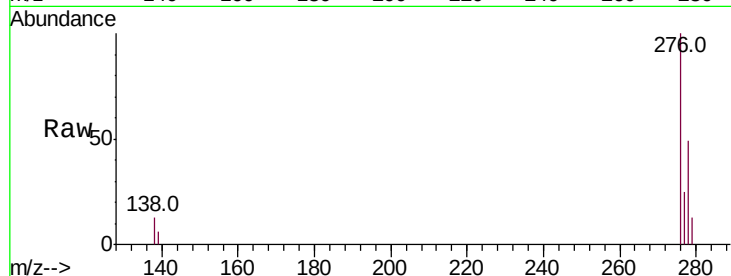
Tot Ion:276 Resp: 23543

Ion Ratio Lower Upper

276 100

138 12.6 9.6 14.4

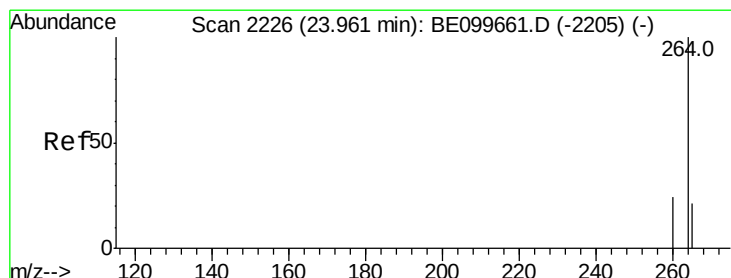
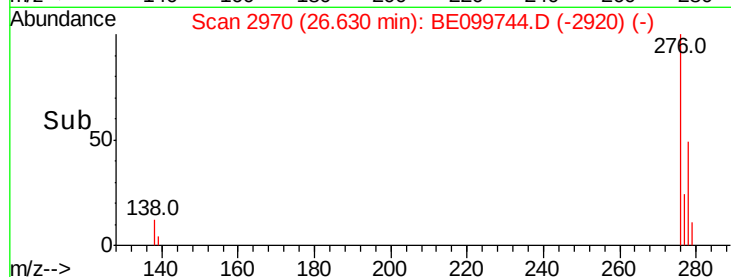
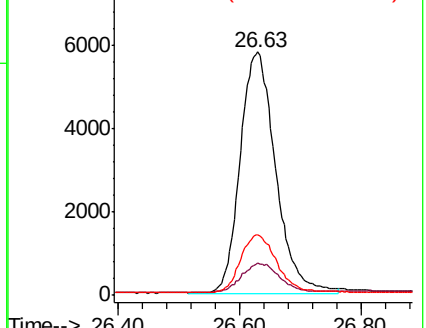
277 24.4 19.2 28.8



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: 23.94 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

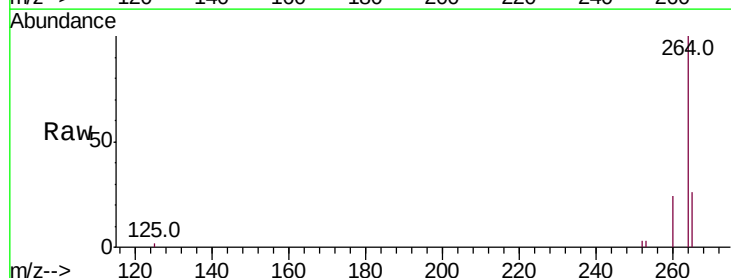
Tgt Ion:264 Resp: 16501

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

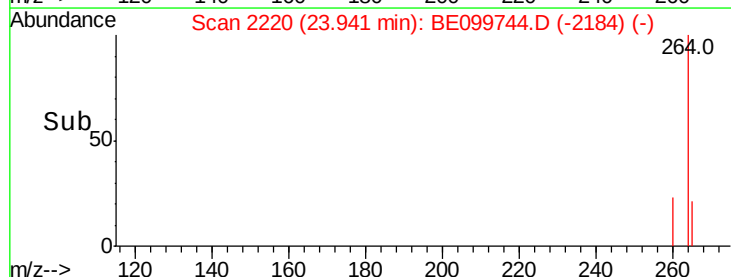
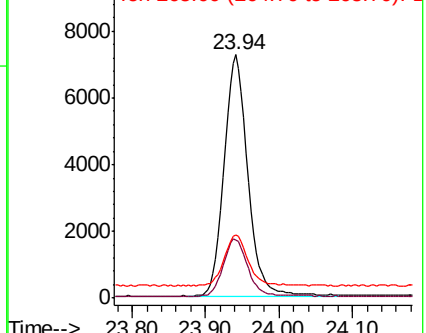
265 25.8 19.1 28.7

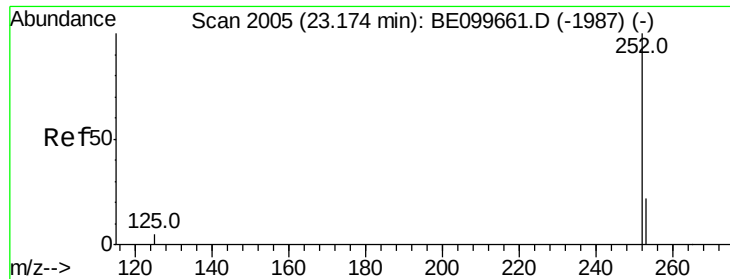


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.432 ng

RT: 23.16 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

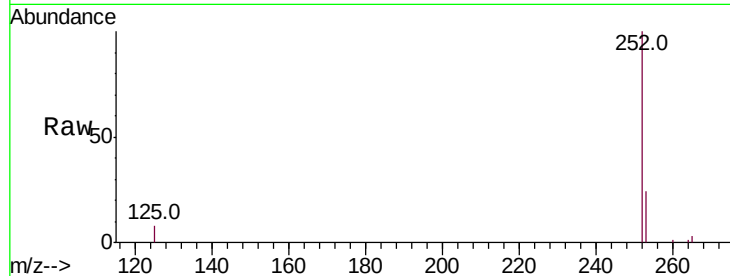
Tot Ion:252 Resp: 19547

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.4

125 7.8 4.5 6.7#

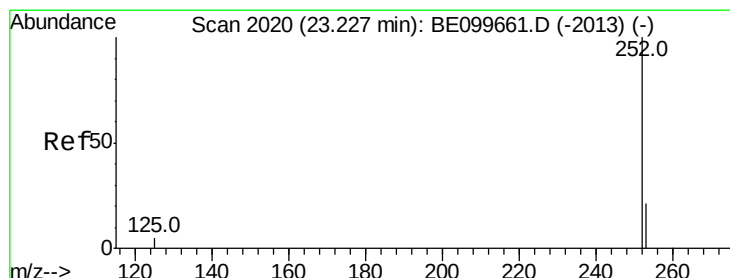
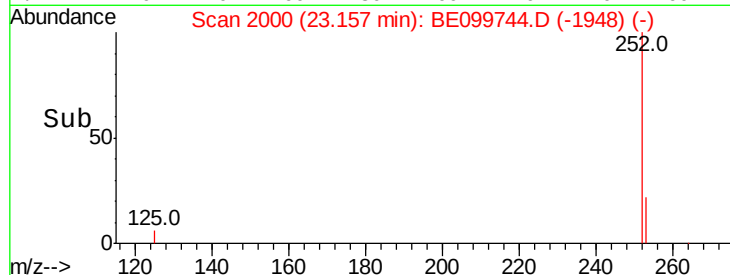
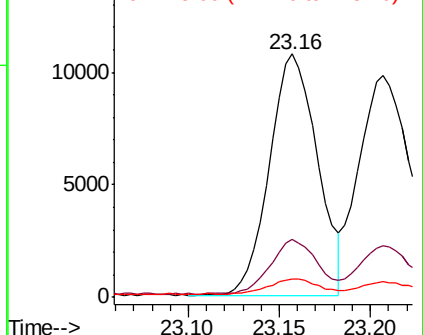


Abundance

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: 0.430 ng

RT: 23.21 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

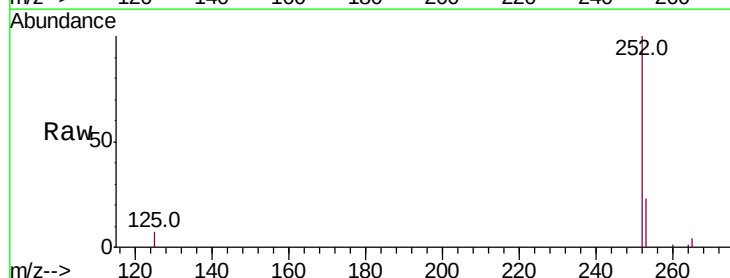
Tgt Ion:252 Resp: 20259

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 7.0 4.6 6.8#

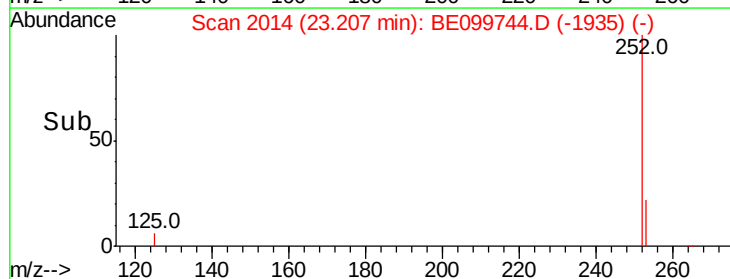
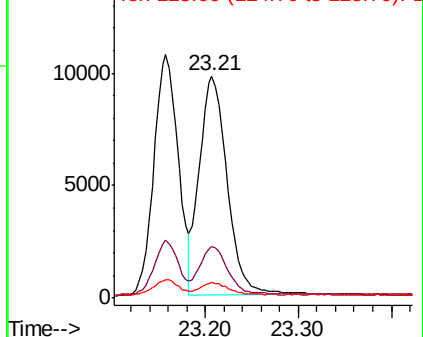


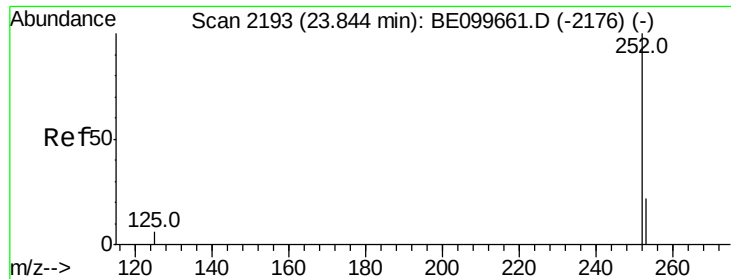
Abundance

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: 0.442 ng

RT: 23.82 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

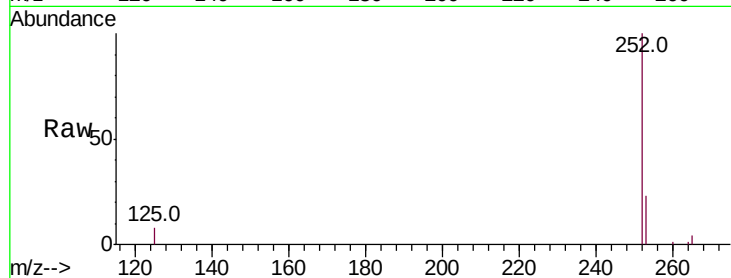
Tot Ion:252 Resp: 19229

Ion Ratio Lower Upper

252 100

253 23.0 18.9 28.3

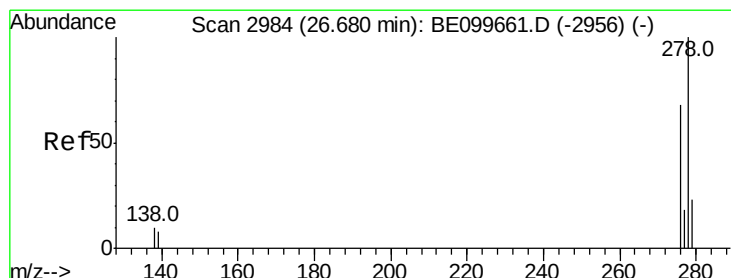
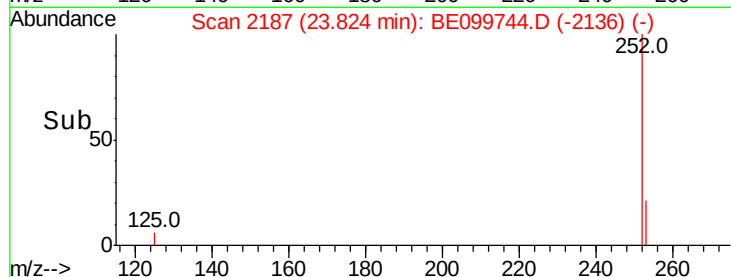
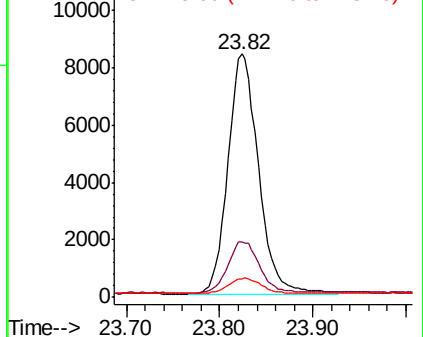
125 7.8 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.425 ng

RT: 26.65 min Scan# 2977

Delta R.T. -0.03 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

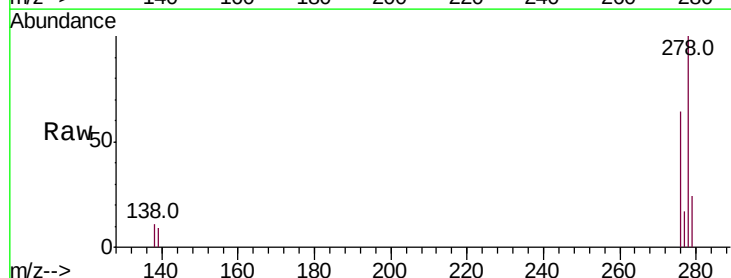
Tgt Ion:278 Resp: 19427

Ion Ratio Lower Upper

278 100

139 9.1 6.9 10.3

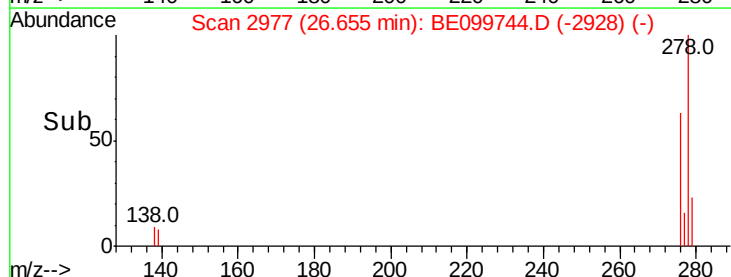
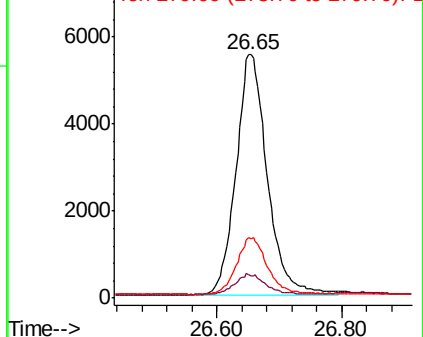
279 24.5 19.2 28.8

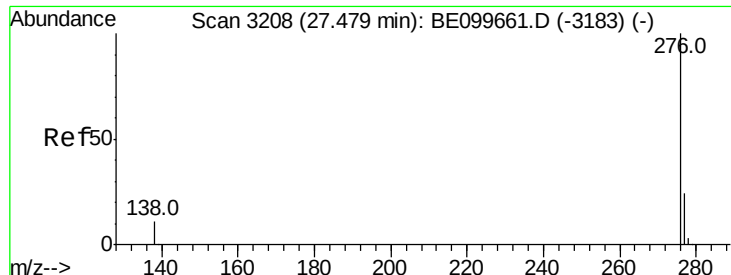


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.438 ng

RT: 27.45 min Scan# 3201

Delta R.T. -0.03 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

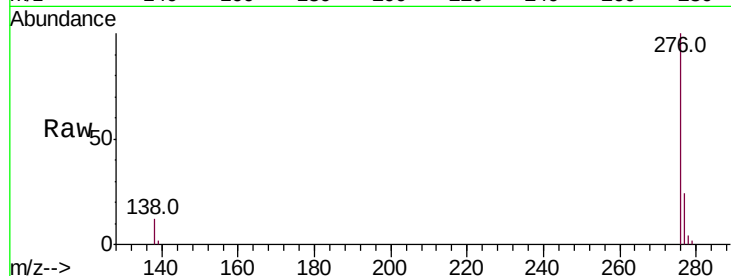
Tot Ion:276 Resp: 20230

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 12.1 9.2 13.8



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

