

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052919\
 Data File : BE099779.D
 Acq On : 29 May 2019 16:47
 Operator : JU/SJ
 Sample : K3066-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-27(3.5-4)MSD

Quant Time: May 29 17:27:43 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	1332	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	4508	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3174	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	9388	0.40	ng	0.00
27) Chrysene-d12	21.40	240	13643	0.40	ng	-0.01
34) Perylene-d12	23.94	264	16369	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1329	0.39	ng	0.00
5) Phenol-d6	6.96	99	1718	0.39	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1312	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2247	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	631	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3499	0.29	ng	0.00
25) Fluoranthene-d10	19.26	212	31566	0.25	ng	0.00
29) Terphenyl-d14	19.85	244	7073	0.29	ng	-0.02

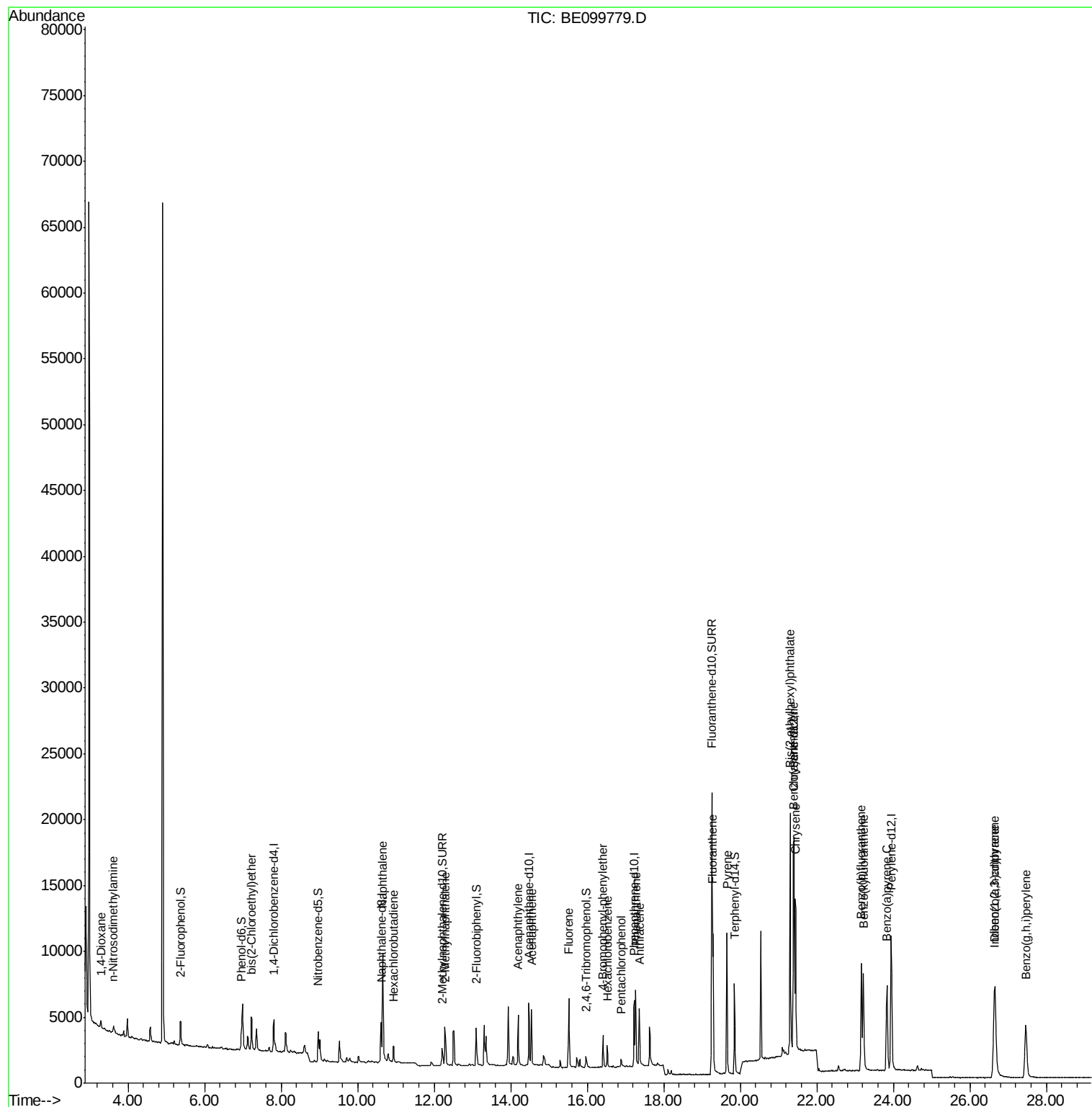
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	500	0.254	ng	# 63
3) n-Nitrosodimethylamine	3.61	42	335	0.308	ng	# 61
6) bis(2-Chloroethyl)ether	7.23	93	1317	0.332	ng	89
9) Naphthalene	10.65	128	15183	0.315	ng	99
10) Hexachlorobutadiene	10.93	225	1028	0.290	ng	94
12) 2-Methylnaphthalene	12.28	142	2448	0.311	ng	96
16) Acenaphthylene	14.20	152	4625	0.313	ng	99
17) Acenaphthene	14.54	154	2458	0.296	ng	98
18) Fluorene	15.51	166	3548	0.290	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1492	0.276	ng	# 90
21) Hexachlorobenzene	16.52	284	1472	0.266	ng	98
22) Pentachlorophenol	16.88	266	506	0.475	ng	95
23) Phenanthrene	17.27	178	6968	0.304	ng	99
24) Anthracene	17.36	178	6116	0.294	ng	99
26) Fluoranthene	19.29	202	10377	0.286	ng	99
28) Pyrene	19.65	202	10911	0.318	ng	99
30) Benzo(a)anthracene	21.39	228	12430	0.321	ng	99
31) Chrysene	21.44	228	12576	0.303	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	20190	0.452	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	13595	0.272	ng	100
35) Benzo(b)fluoranthene	23.16	252	11990	0.267	ng	# 93
36) Benzo(k)fluoranthene	23.22	252	12681	0.271	ng	# 96
37) Benzo(a)pyrene	23.83	252	11926	0.276	ng	# 94
38) Dibenzo(a,h)anthracene	26.66	278	11157	0.246	ng	96
39) Benzo(g,h,i)perylene	27.46	276	11524	0.252	ng	98

(#) = 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: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

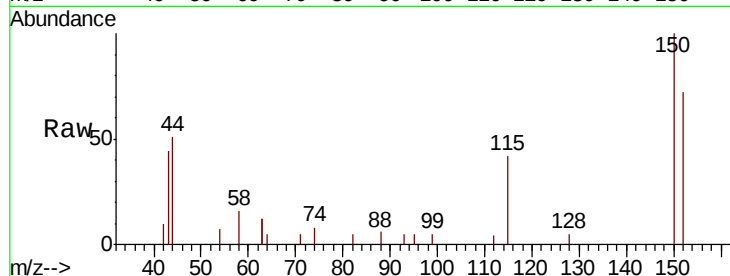
Tot Ion:152 Resp: 1332

Ion Ratio Lower Upper

152 100

150 139.0 109.2 163.8

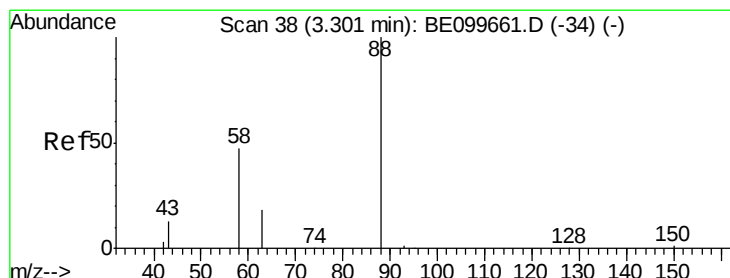
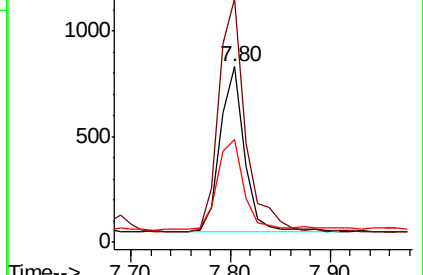
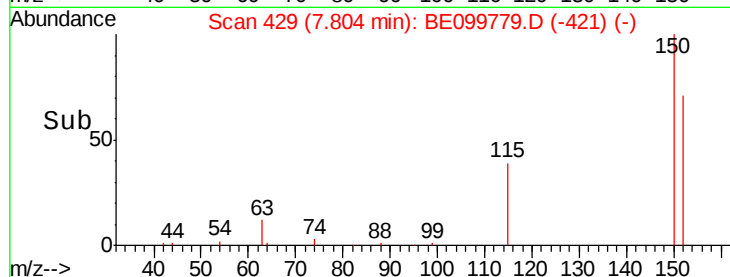
115 58.9 43.7 65.5



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: 0.254 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

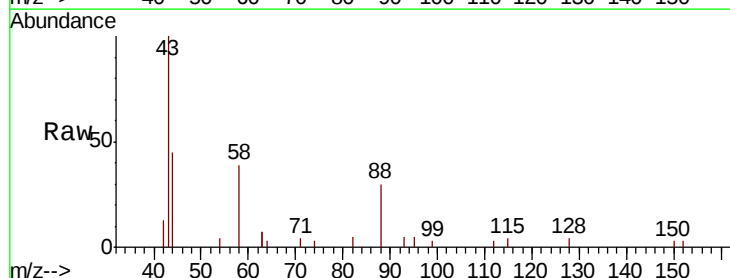
Tgt Ion: 88 Resp: 500

Ion Ratio Lower Upper

88 100

58 77.4 41.8 62.8#

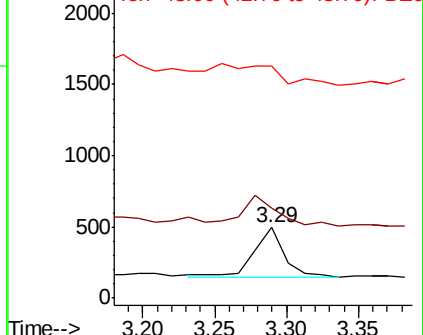
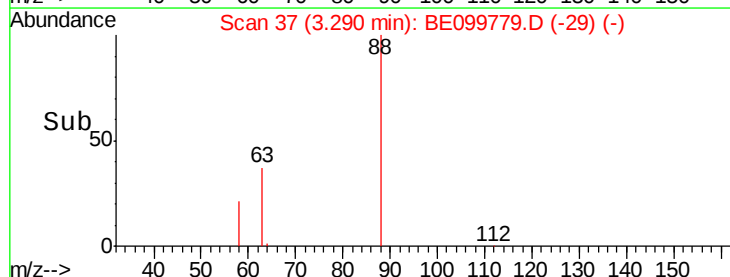
43 0.0 15.0 22.4#



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: 0.308 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

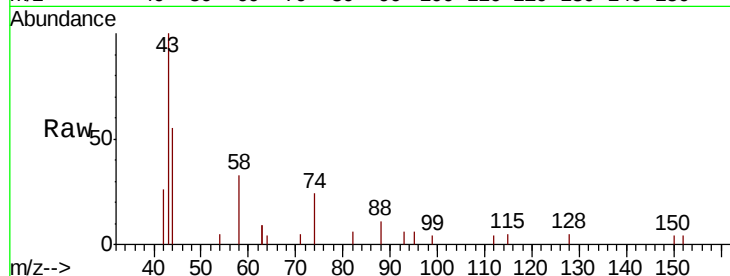
Tot Ion: 42 Resp: 335

Ion Ratio Lower Upper

42 100

74 212.8 129.2 193.8#

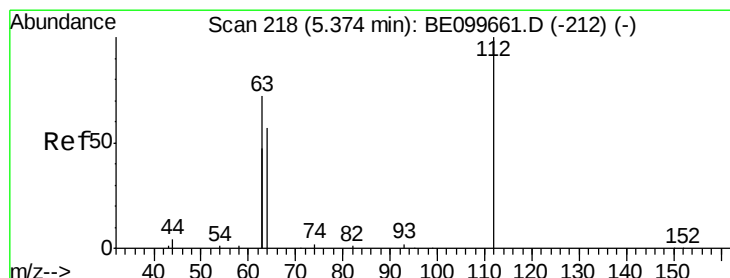
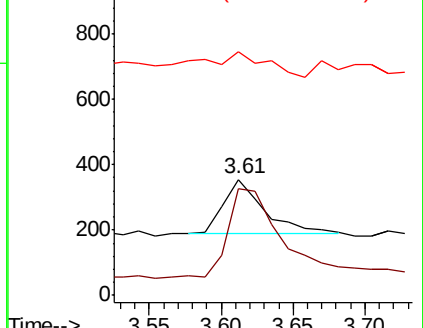
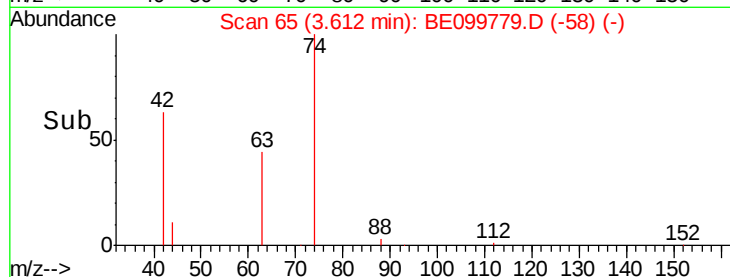
44 76.1 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.395 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

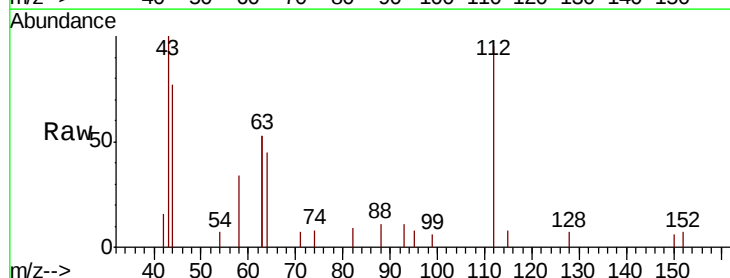
Tgt Ion: 112 Resp: 1329

Ion Ratio Lower Upper

112 100

64 51.6 43.4 65.2

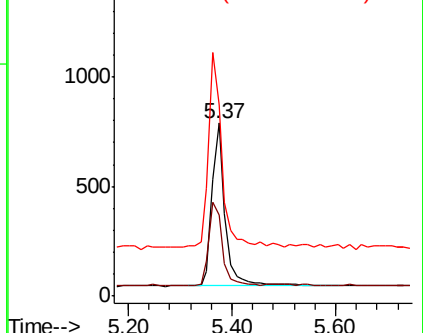
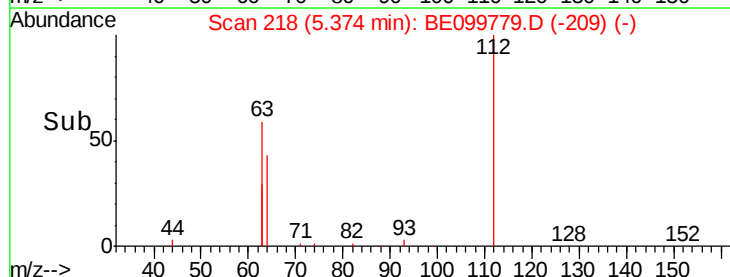
63 118.2 96.9 145.3

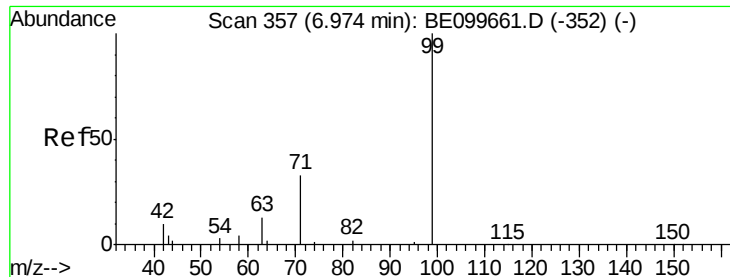


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.386 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

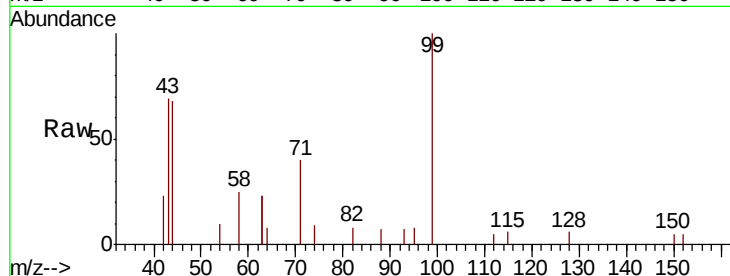
Tot Ion: 99 Resp: 1718

Ion Ratio Lower Upper

99 100

42 22.2 12.2 18.2#

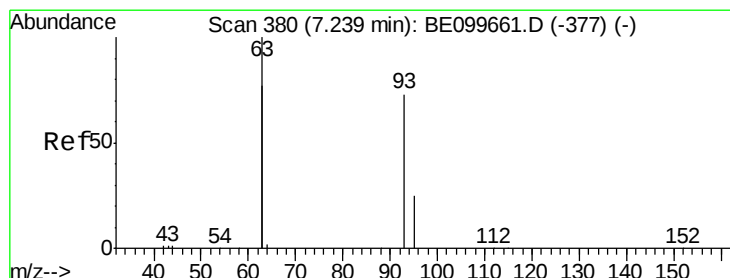
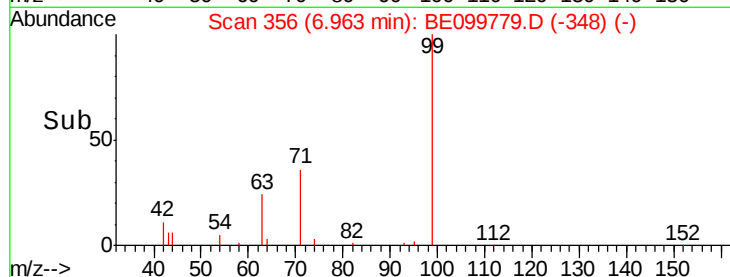
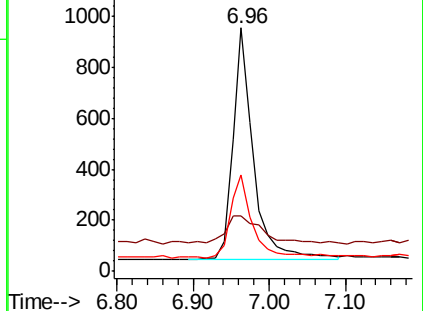
71 42.1 28.9 43.3



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: 0.332 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

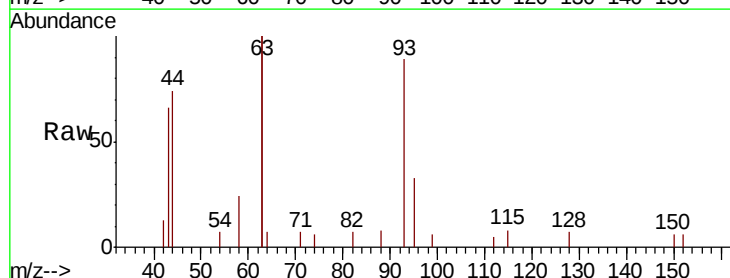
Tgt Ion: 93 Resp: 1317

Ion Ratio Lower Upper

93 100

63 238.0 207.8 311.6

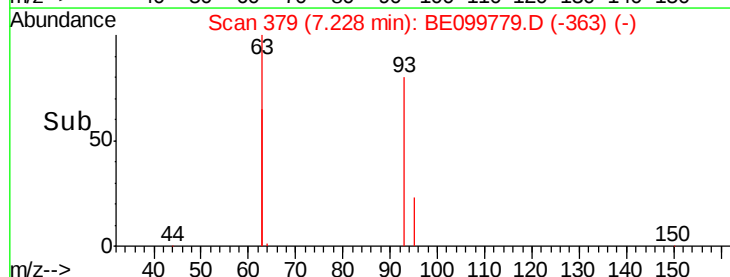
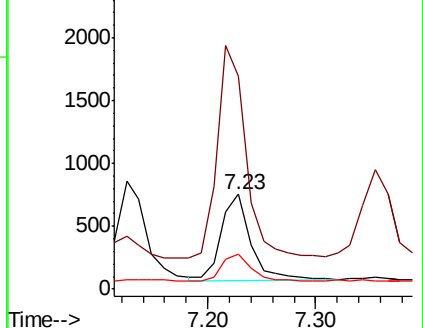
95 30.3 25.9 38.9

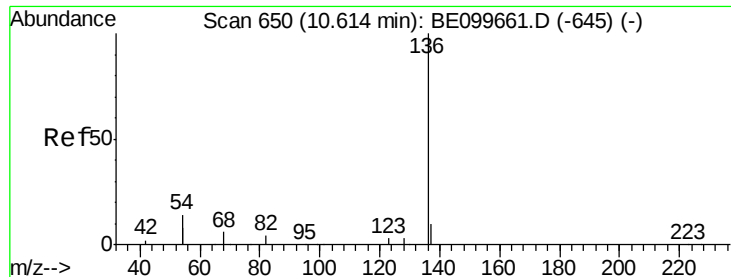


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:136 Resp: 4508

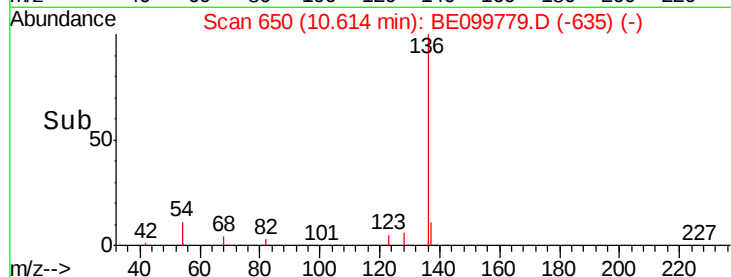
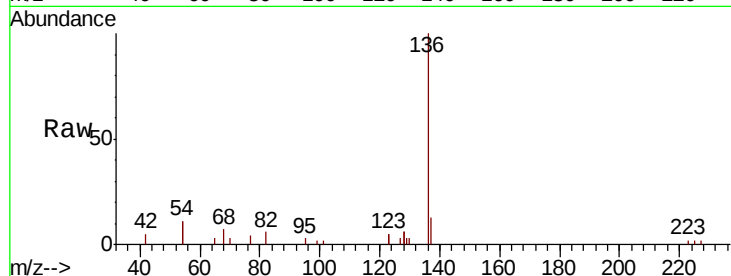
Ion Ratio Lower Upper

136 100

137 13.1 9.0 13.6

54 22.0 22.3 33.5#

68 6.6 6.0 9.0



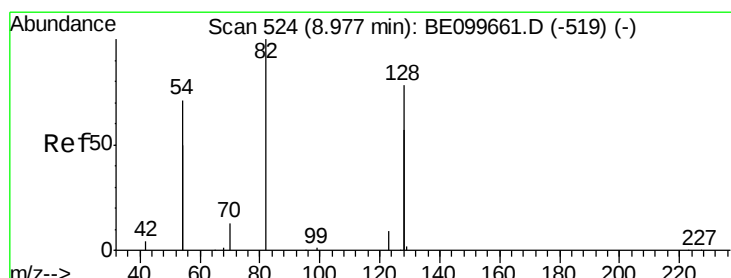
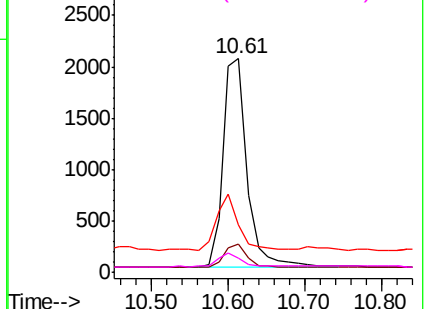
Abundance

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: 0.336 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

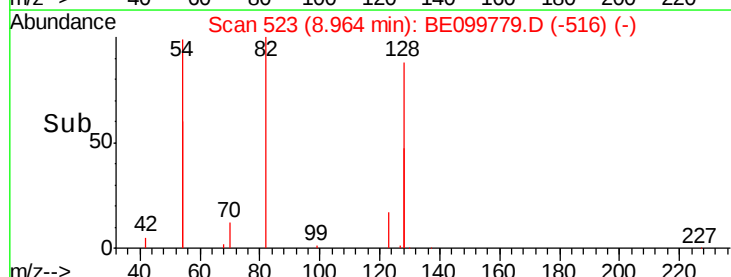
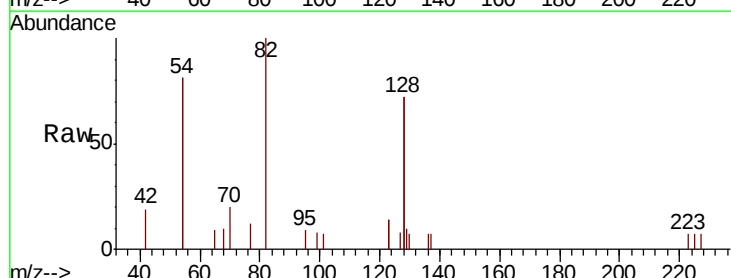
Tgt Ion: 82 Resp: 1312

Ion Ratio Lower Upper

82 100

128 143.7 117.7 176.5

54 161.8 106.6 160.0#

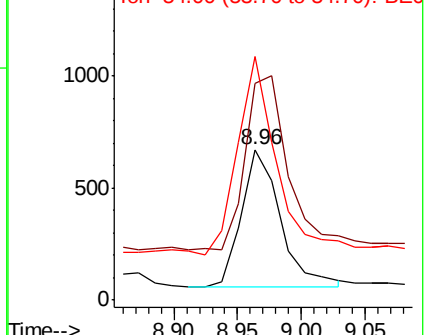


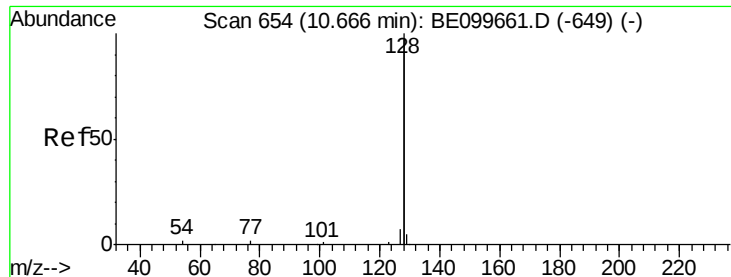
Abundance

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: 0.315 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

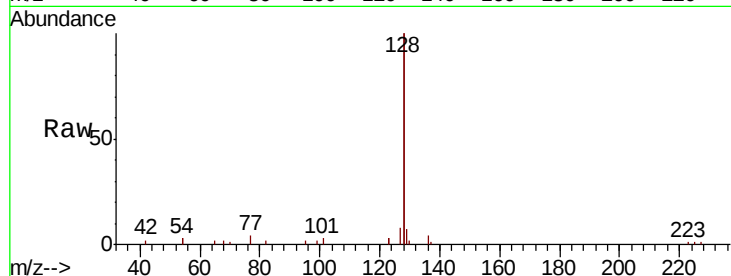
Tot Ion:128 Resp: 15183

Ion Ratio Lower Upper

128 100

129 3.4 2.4 3.6

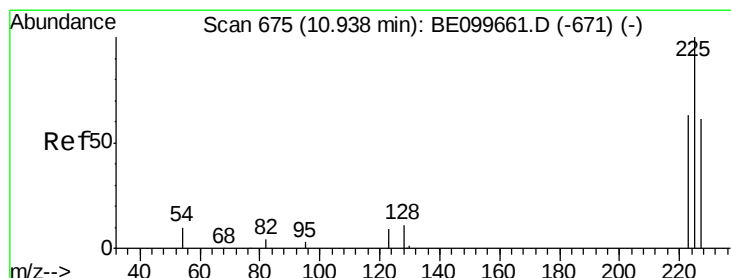
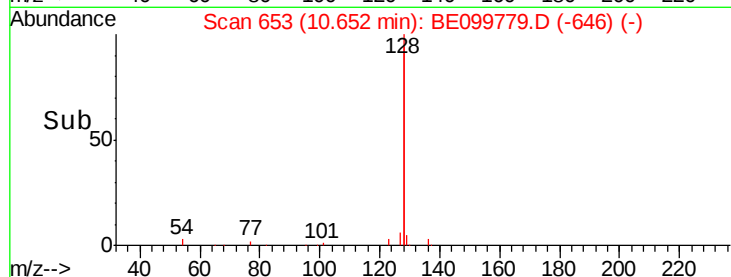
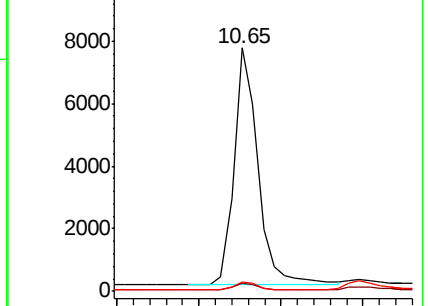
127 3.8 2.9 4.3



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: 0.290 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

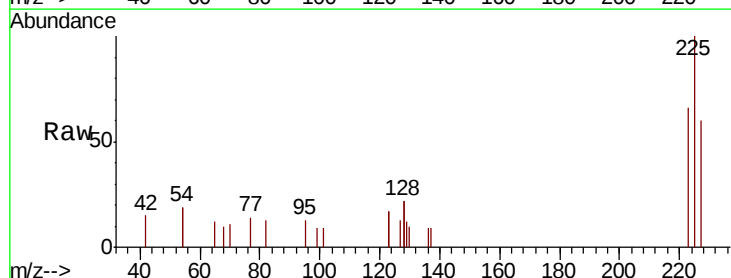
Tgt Ion:225 Resp: 1028

Ion Ratio Lower Upper

225 100

223 61.1 51.8 77.6

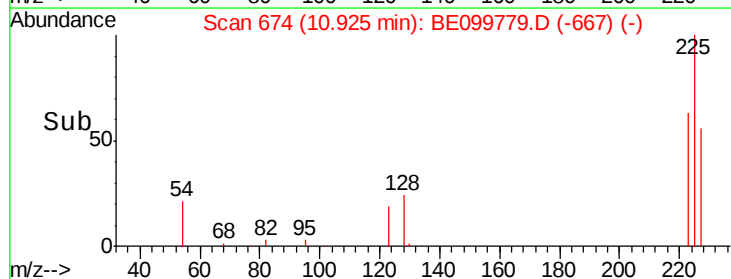
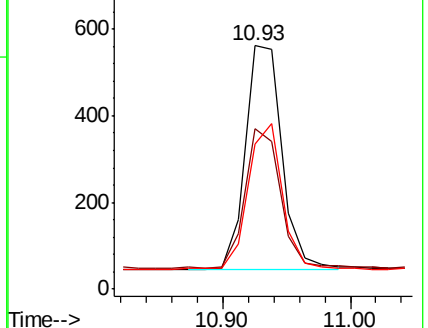
227 60.3 52.6 79.0

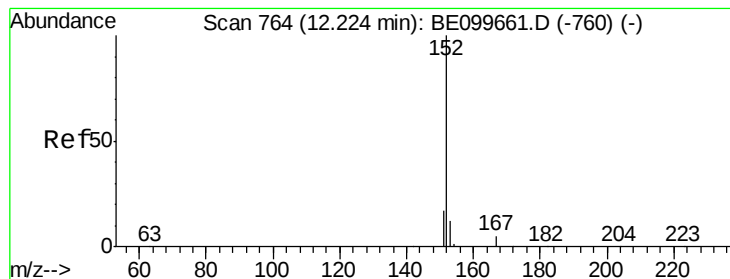


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.289 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

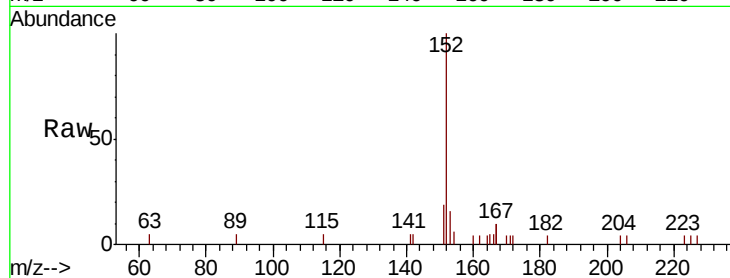
FESB-27(3.5-4)MSD

Tot Ion:152 Resp: 2247

Ion Ratio Lower Upper

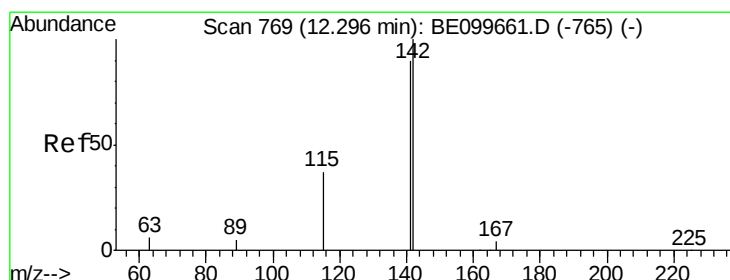
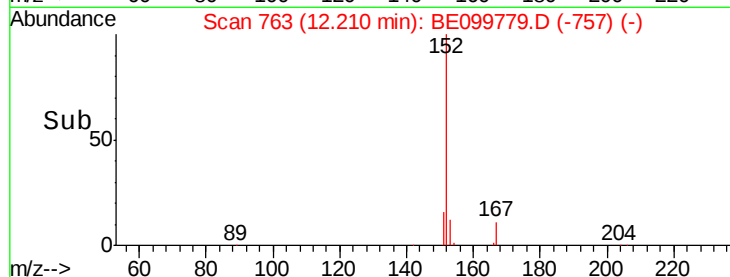
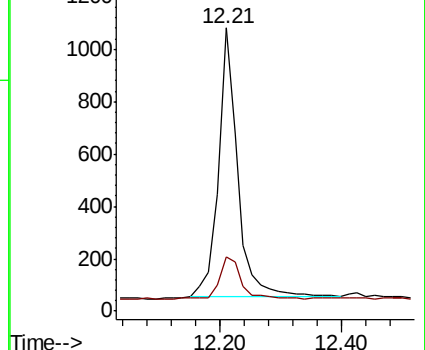
152 100

151 17.8 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.311 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

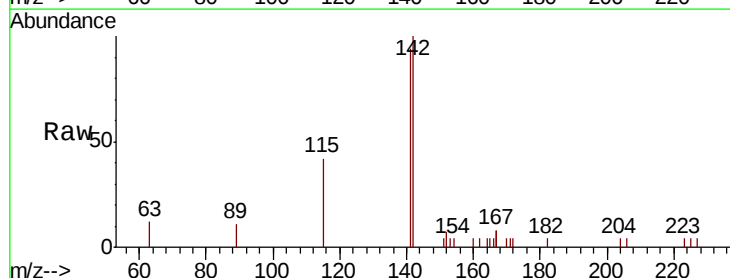
Tgt Ion:142 Resp: 2448

Ion Ratio Lower Upper

142 100

141 93.9 72.0 108.0

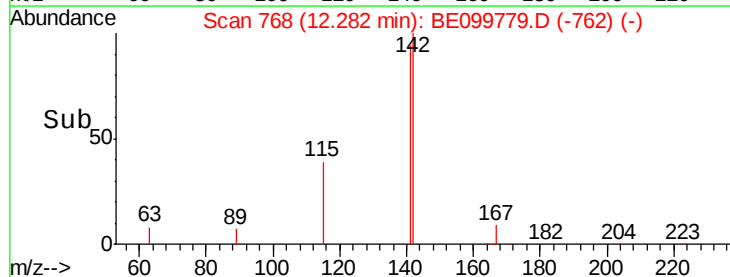
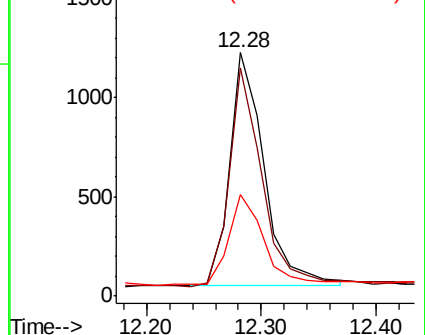
115 41.8 31.0 46.4

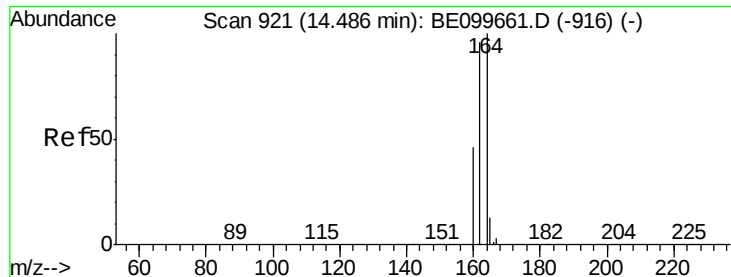


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

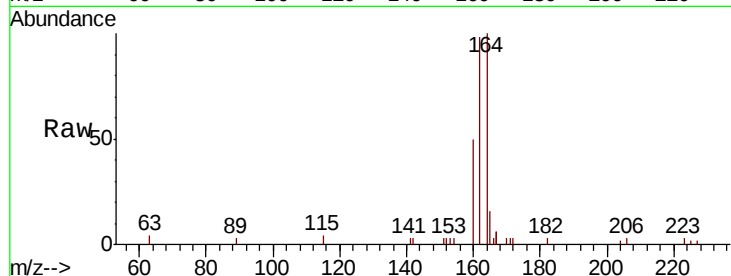
Tot Ion:164 Resp: 3174

Ion Ratio Lower Upper

164 100

162 98.0 76.5 114.7

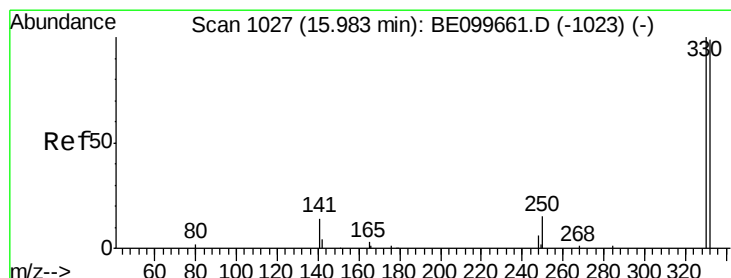
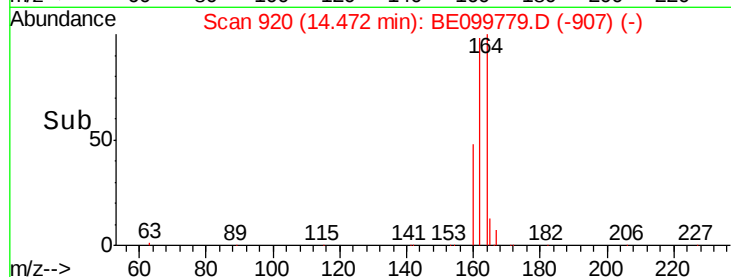
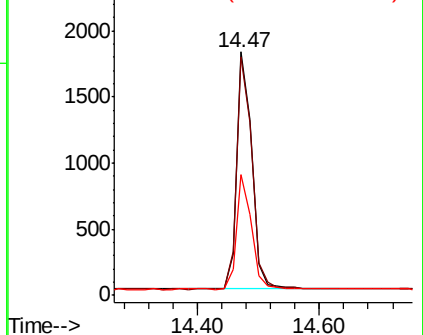
160 49.7 37.4 56.2



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: 0.393 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

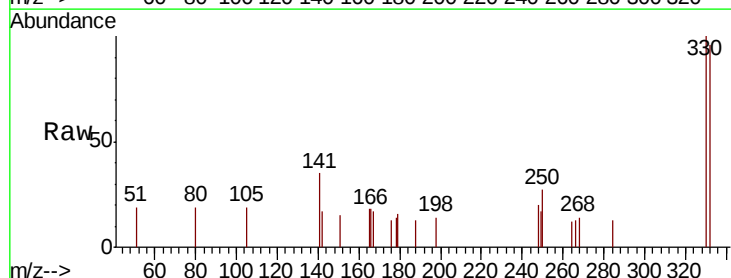
Tgt Ion:330 Resp: 631

Ion Ratio Lower Upper

330 100

332 98.1 77.3 115.9

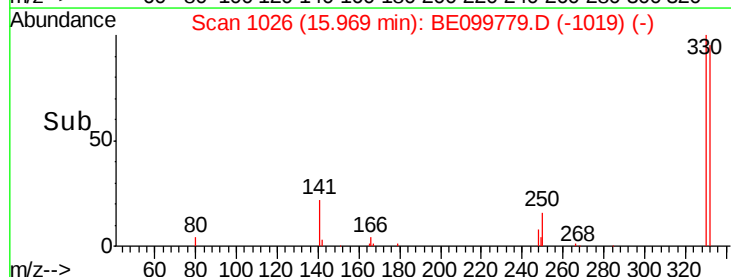
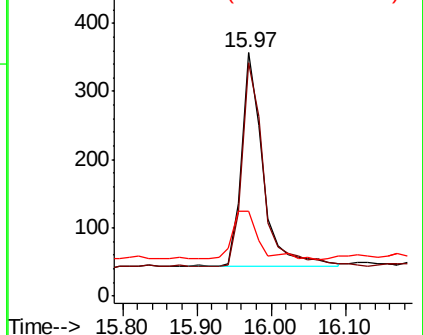
141 28.2 18.9 28.3

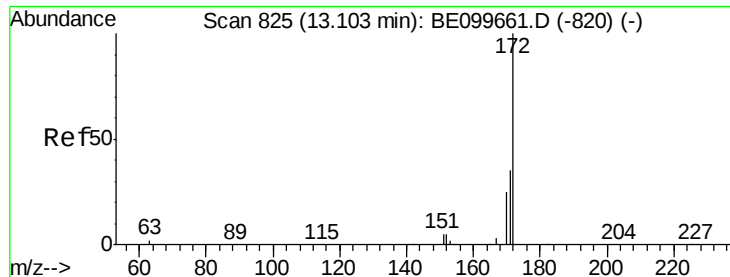


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

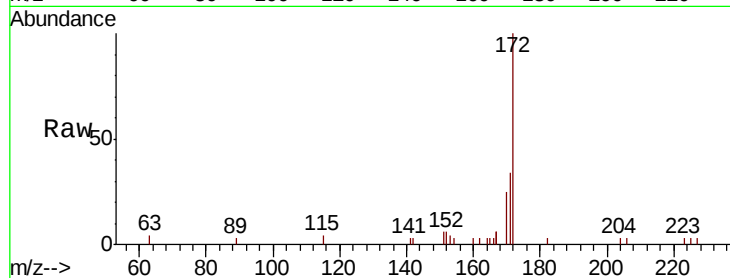




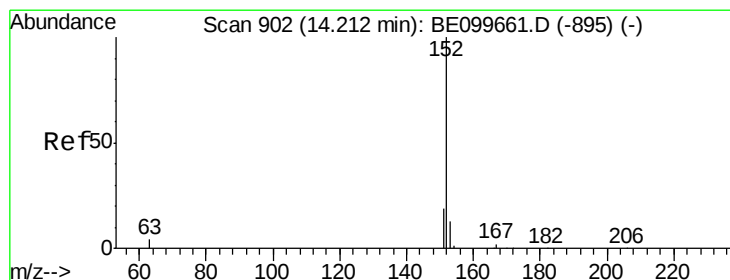
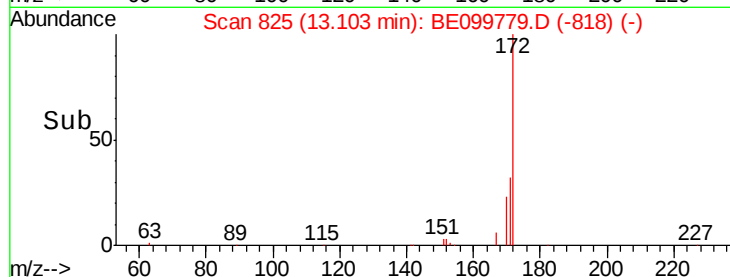
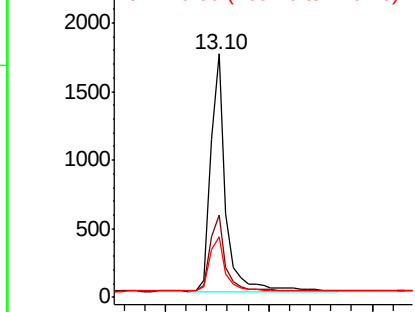
#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099779.D
Acq: 29 May 2019 16:47

Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion:172 Resp: 3499
Ion Ratio Lower Upper
172 100
171 33.9 28.7 43.1
170 24.7 20.9 31.3

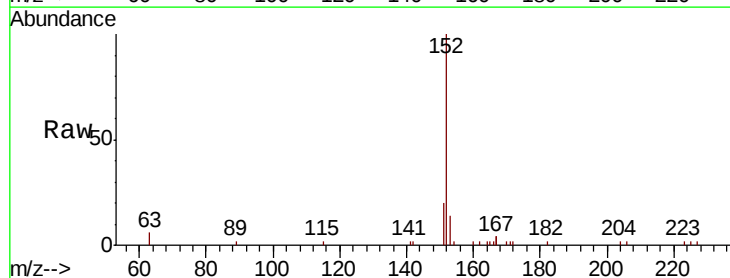


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

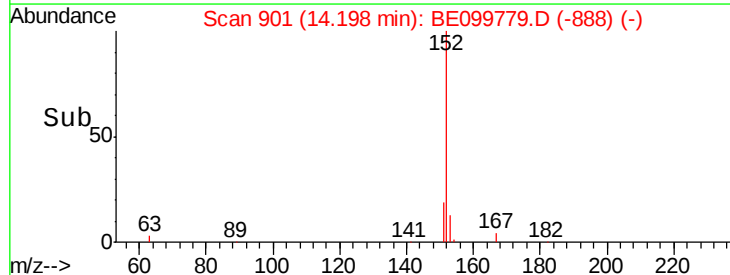
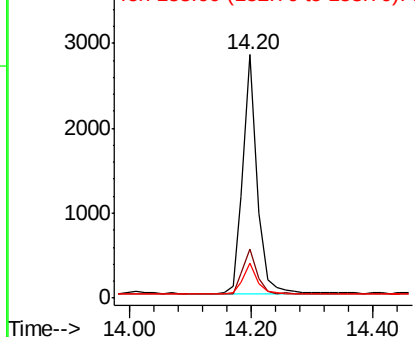


#16
Acenaphthylene
Concen: 0.313 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099779.D
Acq: 29 May 2019 16:47

Tgt Ion:152 Resp: 4625
Ion Ratio Lower Upper
152 100
151 19.2 15.9 23.9
153 13.2 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: 0.296 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

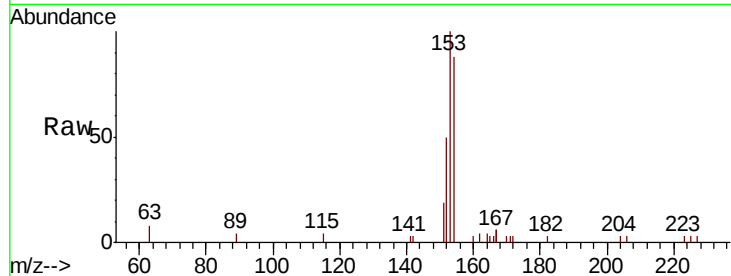
Tot Ion:154 Resp: 2458

Ion Ratio Lower Upper

154 100

153 117.7 91.8 137.6

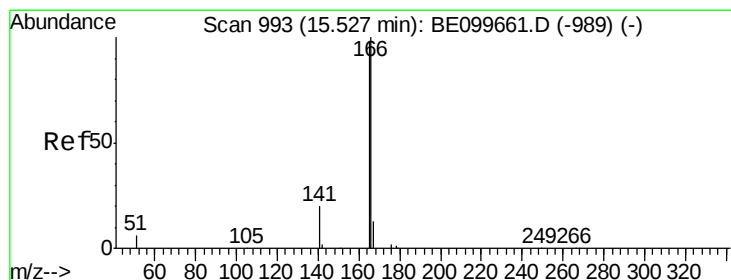
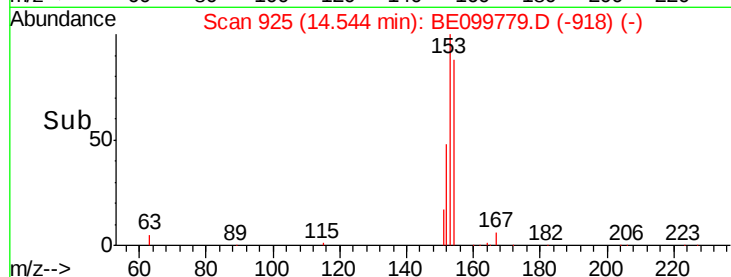
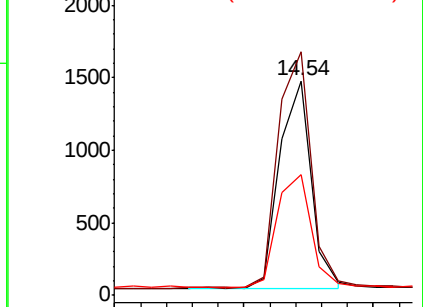
152 58.1 46.0 69.0



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: 0.290 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

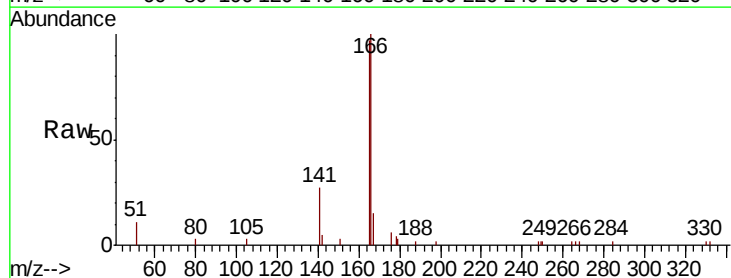
Tgt Ion:166 Resp: 3548

Ion Ratio Lower Upper

166 100

165 99.6 80.3 120.5

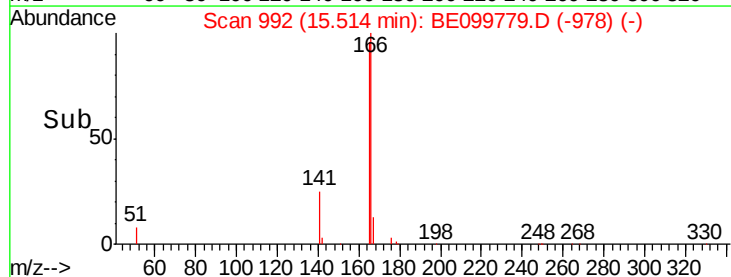
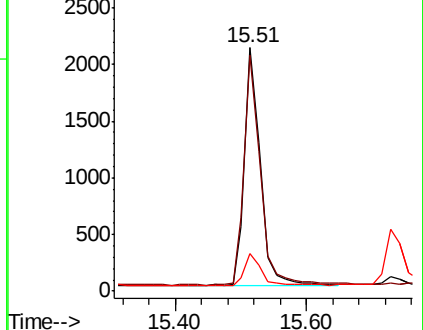
167 13.7 10.6 16.0

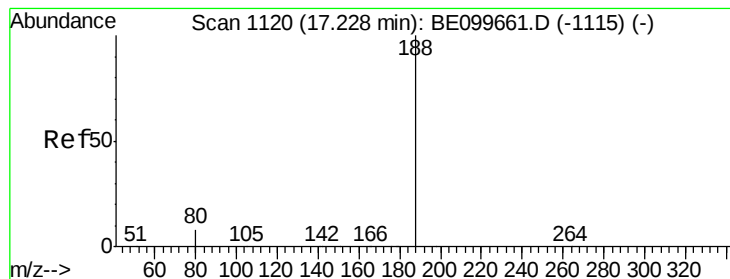


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

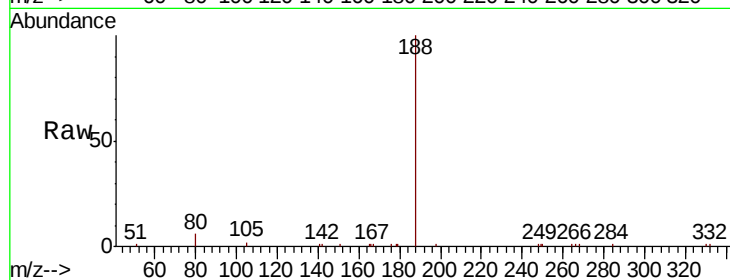
Tot Ion:188 Resp: 9388

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

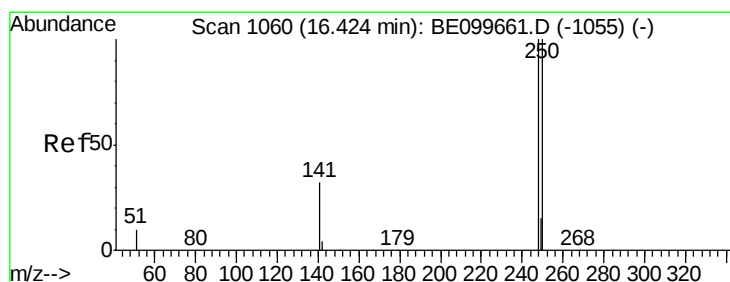
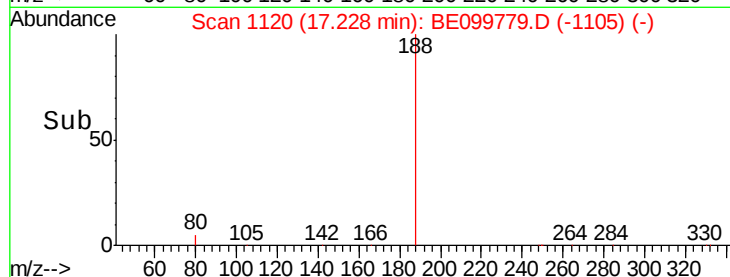
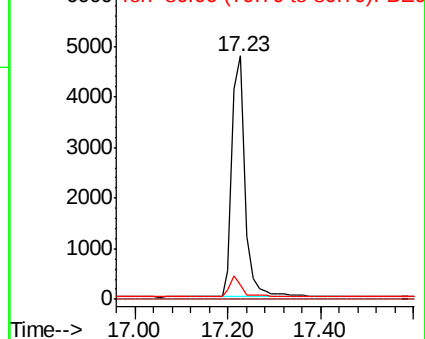
80 5.9 6.7 10.1#



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: 0.276 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

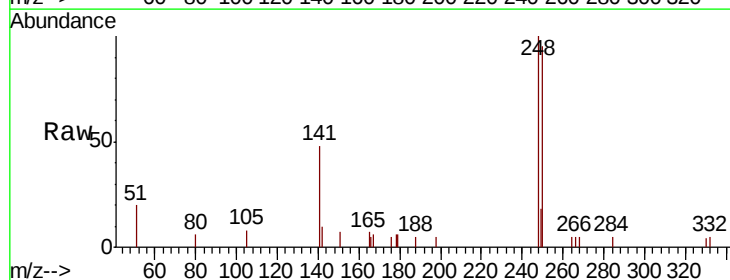
Tgt Ion:248 Resp: 1492

Ion Ratio Lower Upper

248 100

250 94.7 79.8 119.8

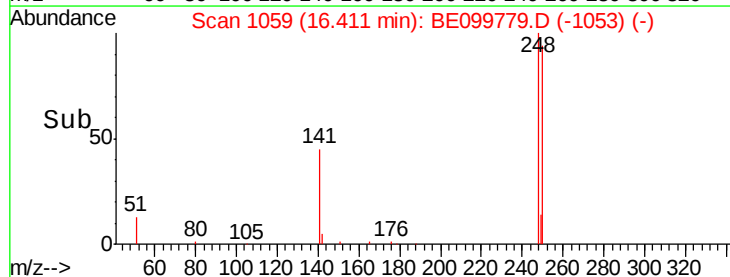
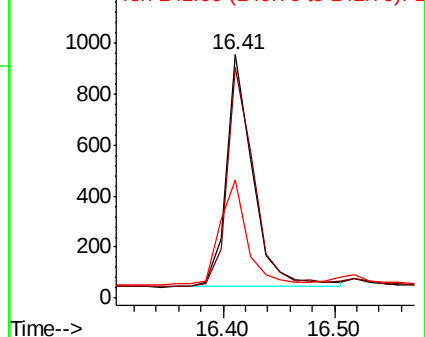
141 48.4 27.0 40.6#

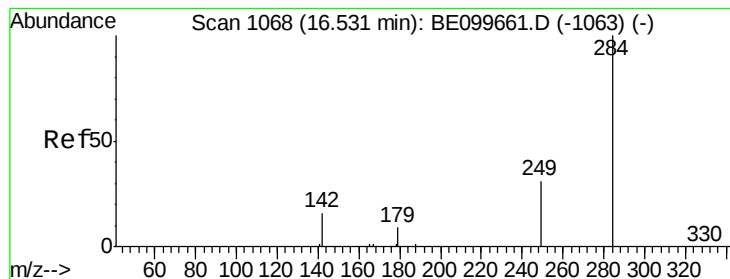


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.266 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

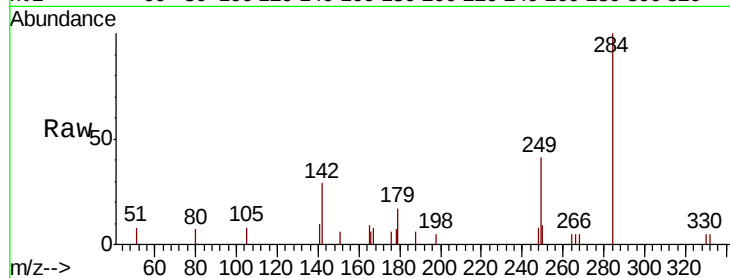
Tot Ion:284 Resp: 1472

Ion Ratio Lower Upper

284 100

142 23.8 17.8 26.6

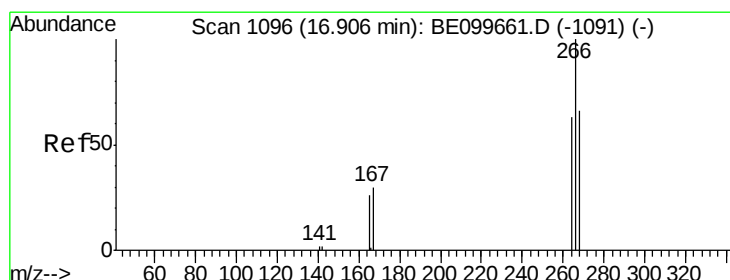
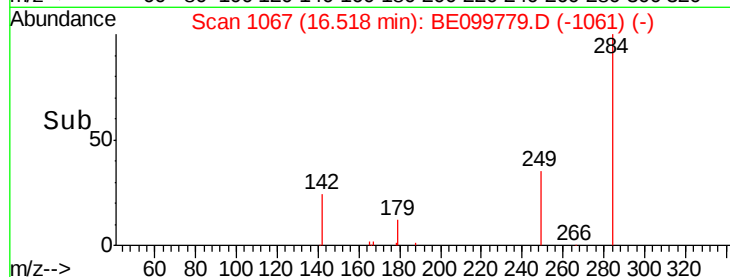
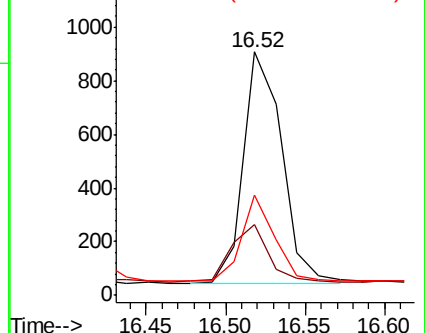
249 31.9 24.8 37.2



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: 0.475 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

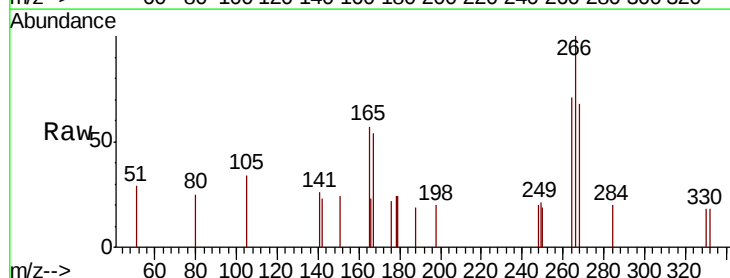
Tgt Ion:266 Resp: 506

Ion Ratio Lower Upper

266 100

264 70.9 57.2 85.8

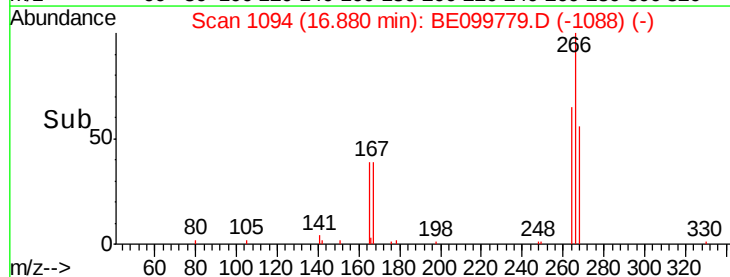
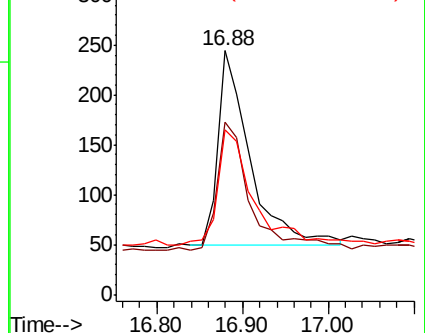
268 67.6 60.5 90.7



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: 0.304 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

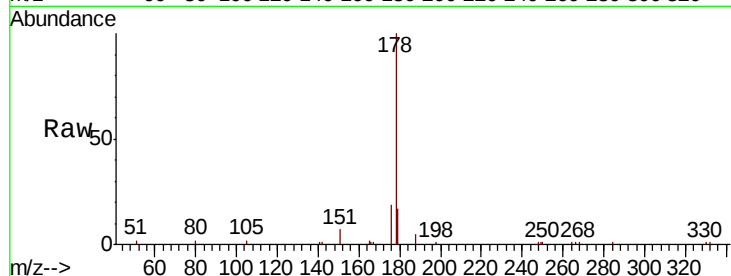
Tot Ion:178 Resp: 6968

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

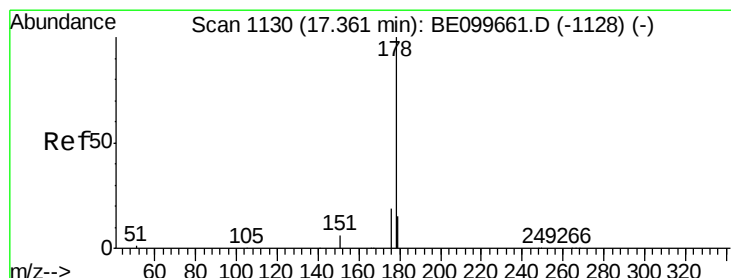
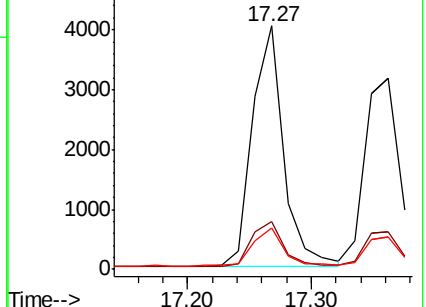
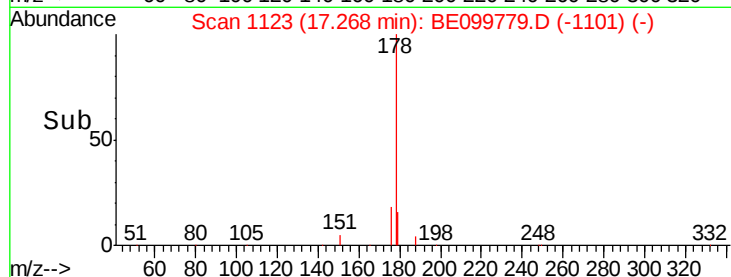
179 15.9 12.2 18.4



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: 0.294 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

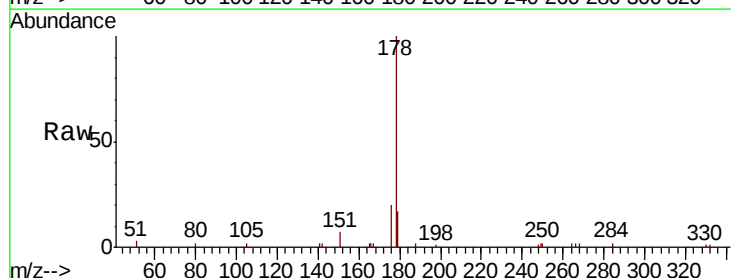
Tgt Ion:178 Resp: 6116

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

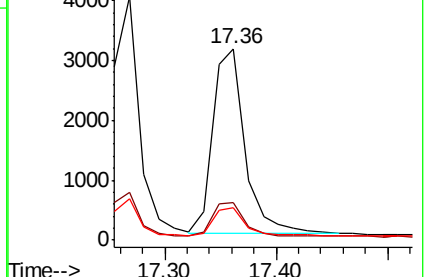
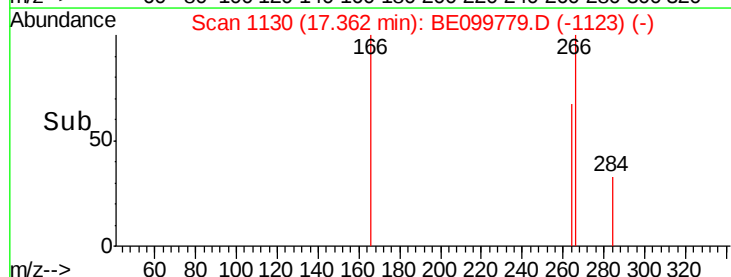
179 15.6 12.0 18.0

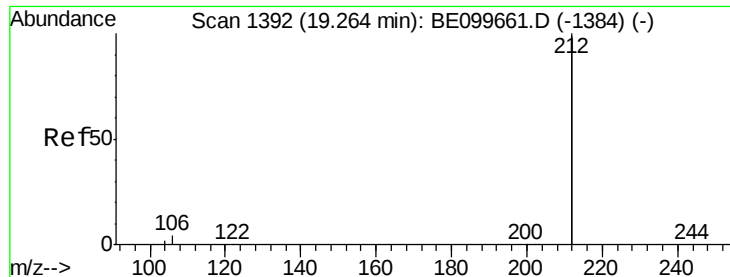


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.246 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

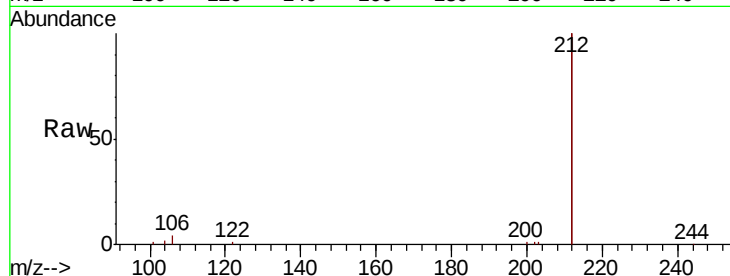
Tot Ion:212 Resp: 31566

Ion Ratio Lower Upper

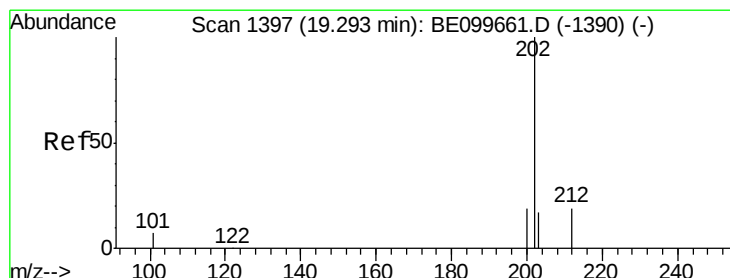
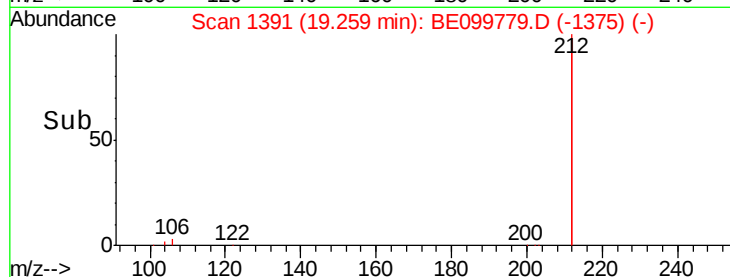
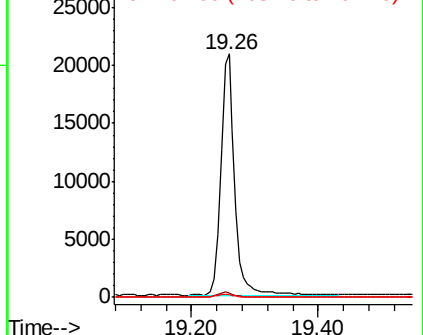
212 100

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: 0.286 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

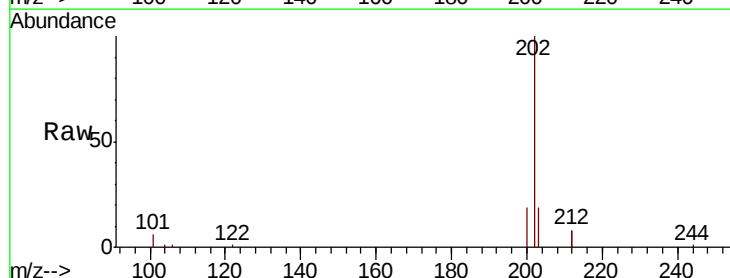
Tgt Ion:202 Resp: 10377

Ion Ratio Lower Upper

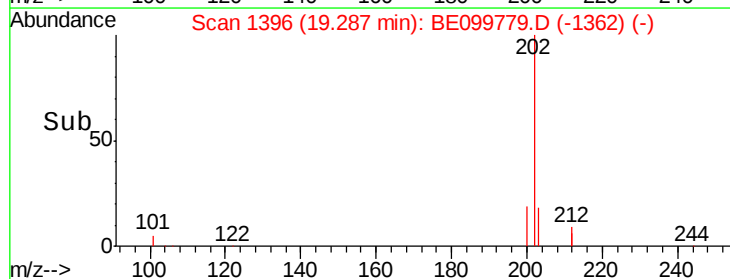
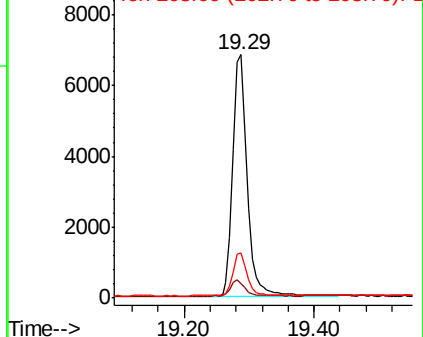
202 100

101 6.8 5.2 7.8

203 17.1 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: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

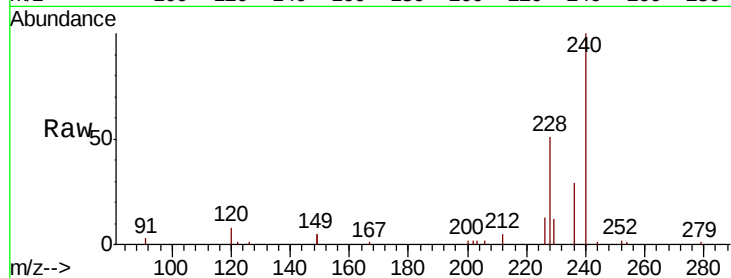
Tot Ion:240 Resp: 13643

Ion Ratio Lower Upper

240 100

120 7.6 5.4 8.0

236 28.7 21.7 32.5

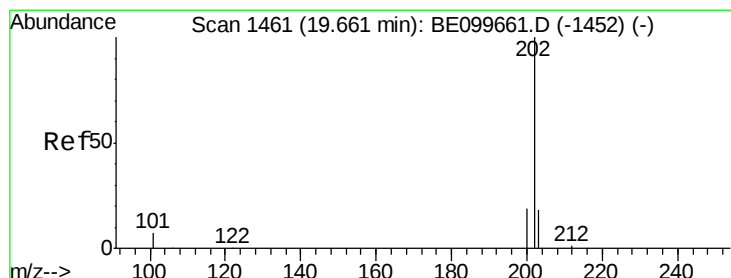
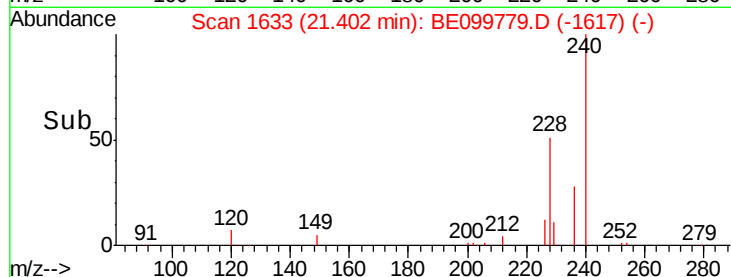
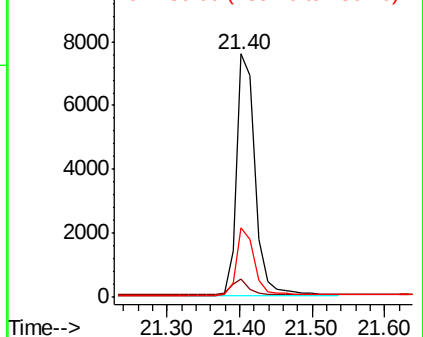


Abundance

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: 0.318 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

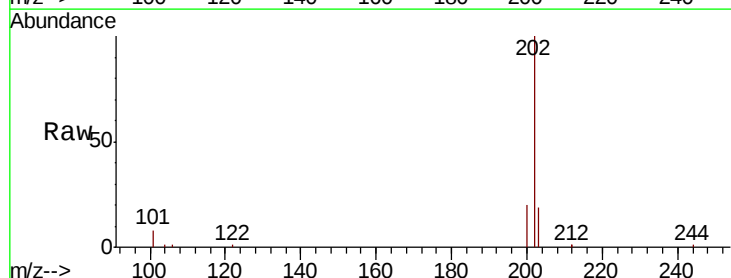
Tgt Ion:202 Resp: 10911

Ion Ratio Lower Upper

202 100

200 19.8 15.4 23.2

203 17.8 13.8 20.8

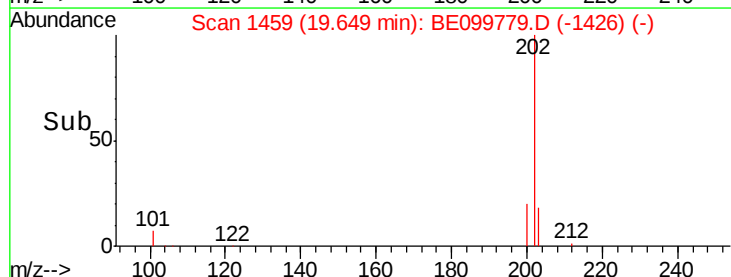
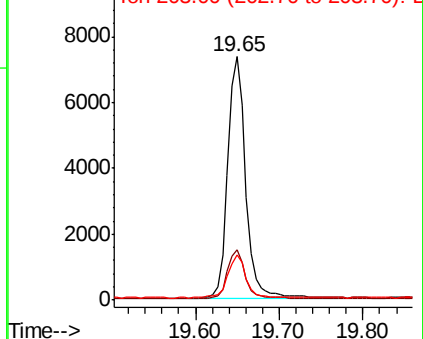


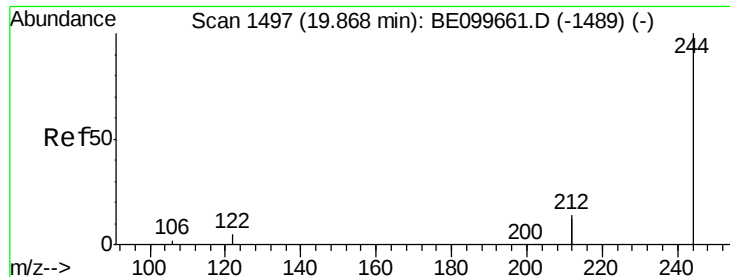
Abundance

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: 0.290 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

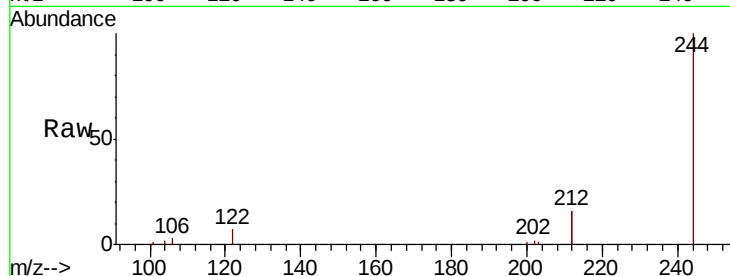
Tot Ion:244 Resp: 7073

Ion Ratio Lower Upper

244 100

212 32.4 22.5 33.7

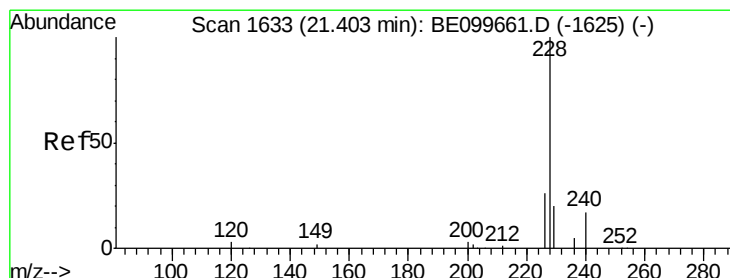
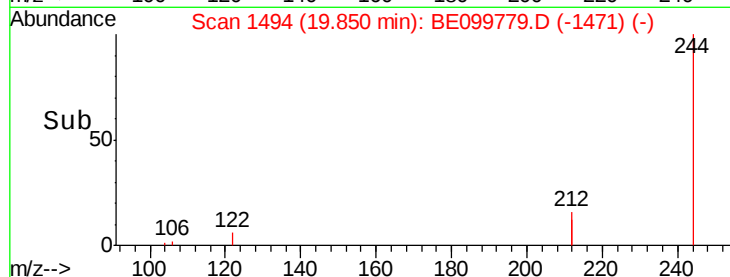
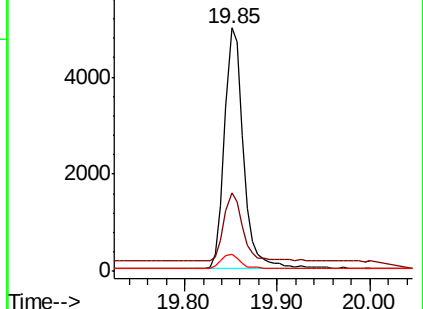
122 7.2 4.3 6.5#



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: 0.321 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

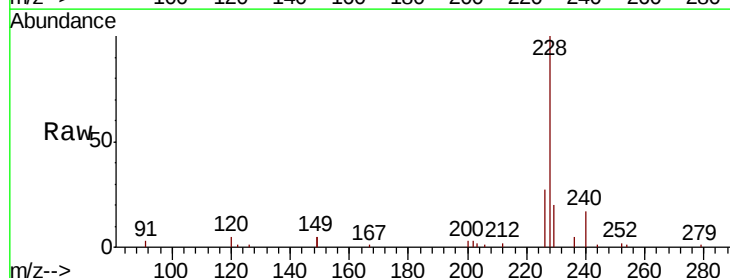
Tgt Ion:228 Resp: 12430

Ion Ratio Lower Upper

228 100

226 27.0 21.3 31.9

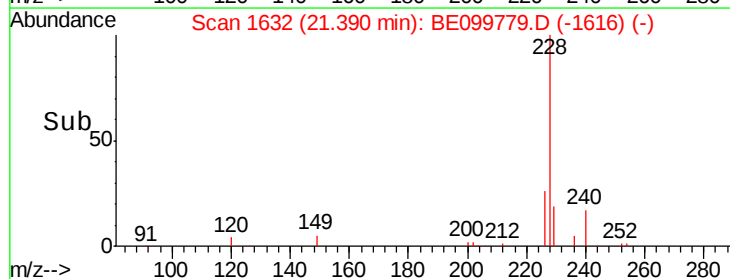
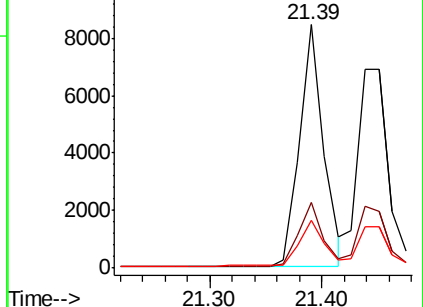
229 19.6 16.1 24.1

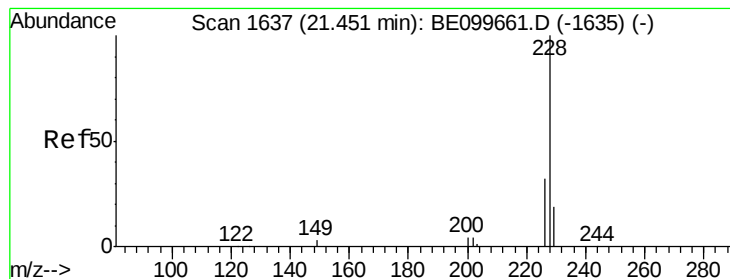


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.303 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

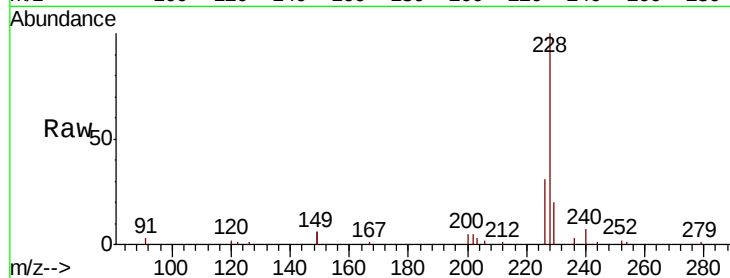
Tot Ion:228 Resp: 12576

Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

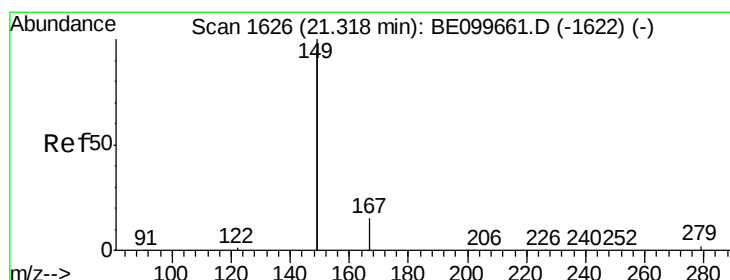
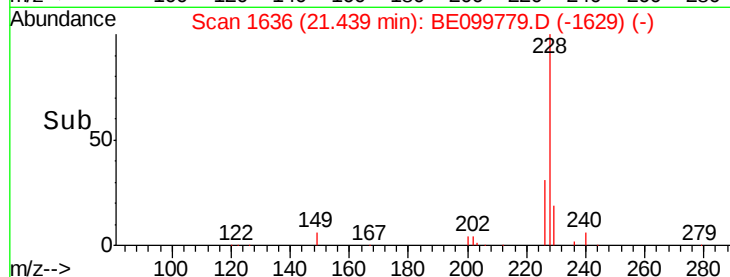
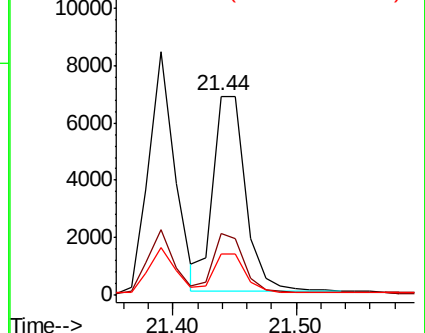
229 20.5 15.8 23.6



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: 0.452 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

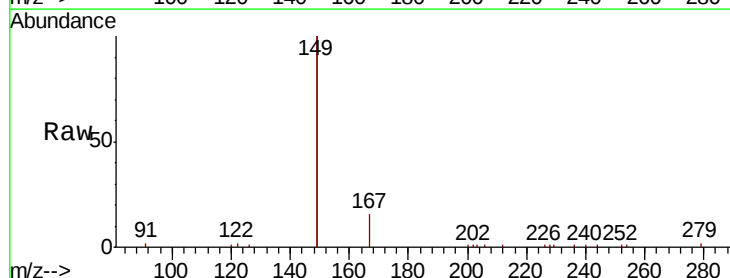
Tgt Ion:149 Resp: 20190

Ion Ratio Lower Upper

149 100

167 8.0 6.2 9.4

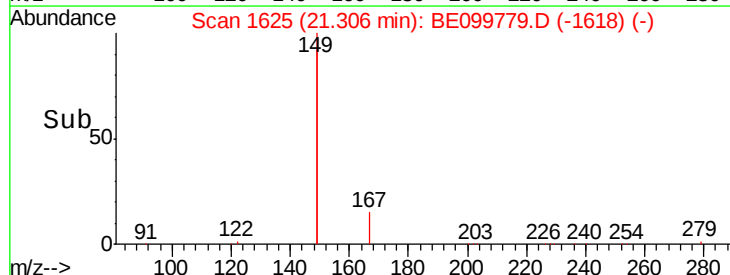
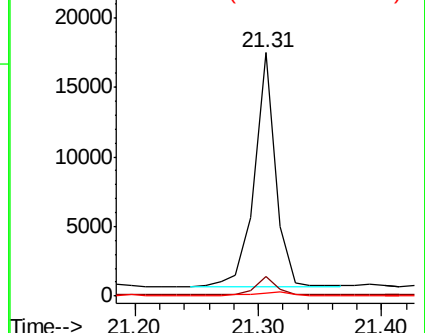
279 1.3 1.2 1.8

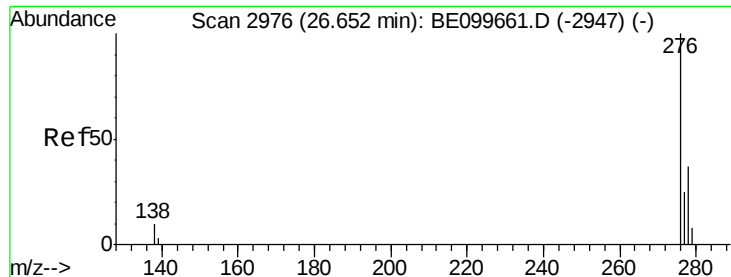


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

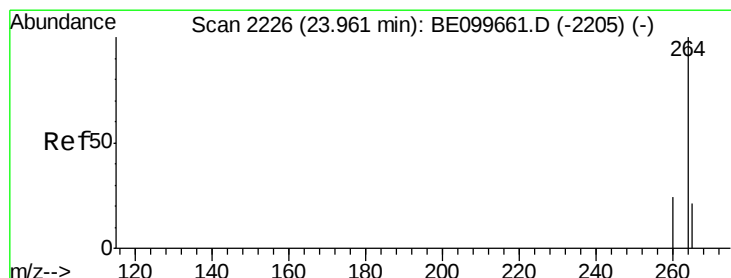
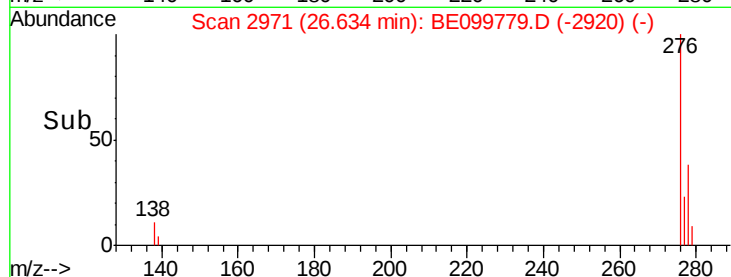
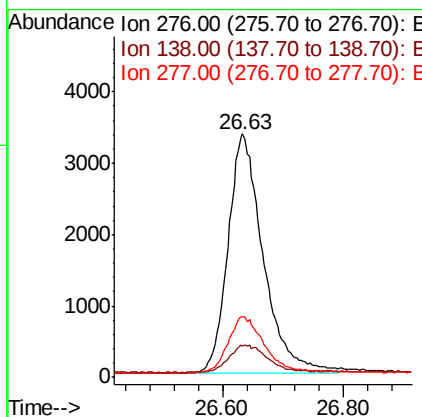
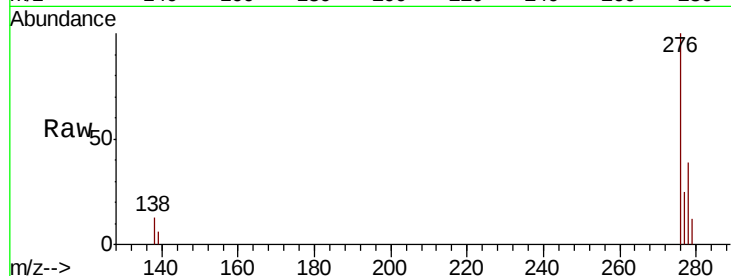




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.272 ng
 RT: 26.63 min Scan# 2971
 Delta R.T. -0.02 min
 Lab File: BE099779.D
 Acq: 29 May 2019 16:47

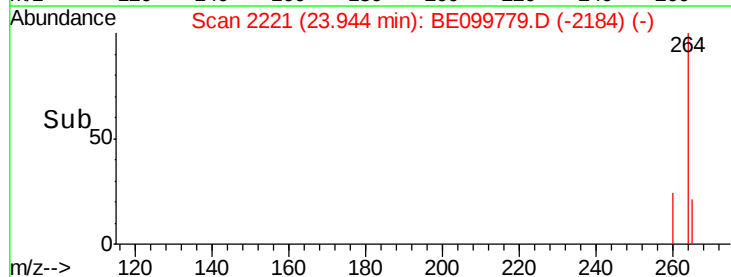
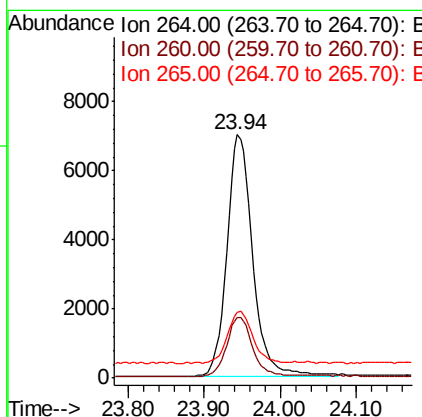
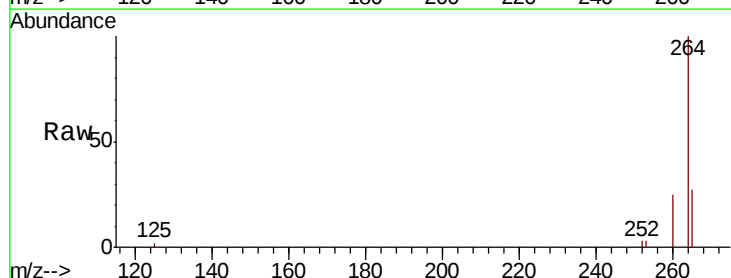
Instrument :
 BNA_E
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion:276 Resp: 13595
 Ion Ratio Lower Upper
 276 100
 138 12.1 9.6 14.4
 277 23.9 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BE099779.D
 Acq: 29 May 2019 16:47

Tgt Ion:264 Resp: 16369
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.6 29.4
 265 26.8 19.1 28.7

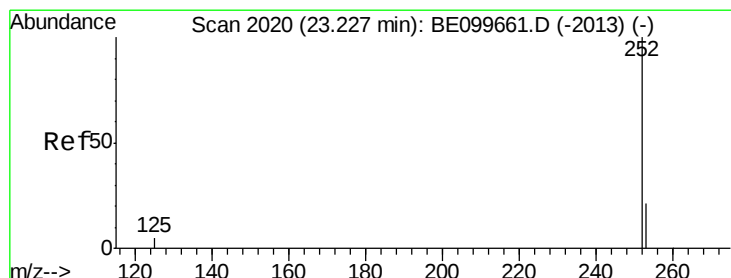
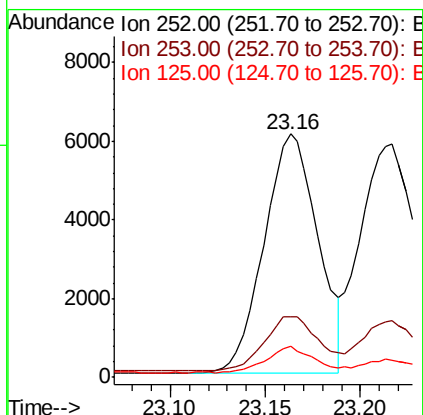
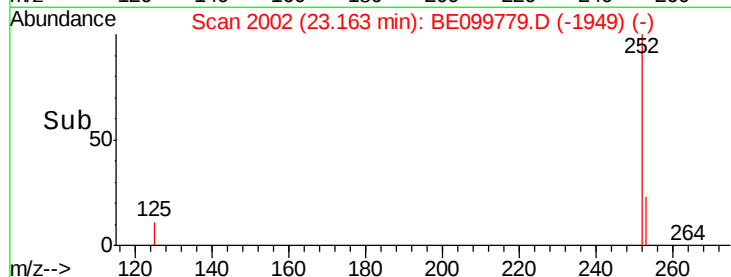
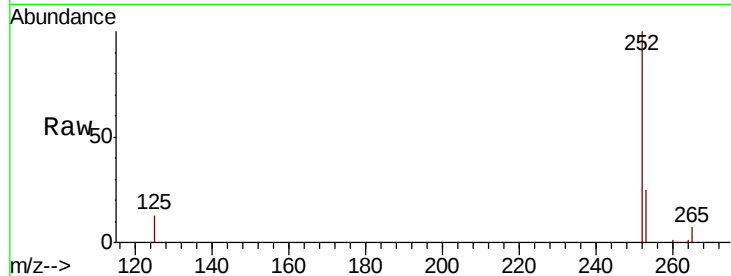




#35
Benzo(b)fluoranthene
Concen: 0.267 ng
RT: 23.16 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE099779.D
Acq: 29 May 2019 16:47

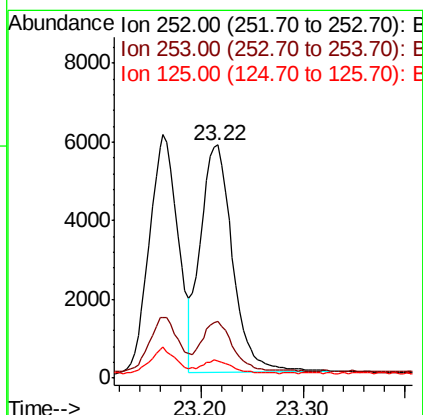
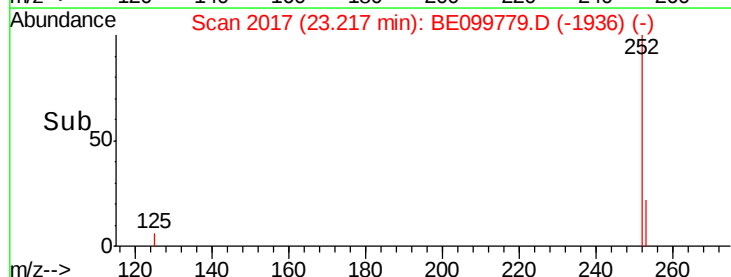
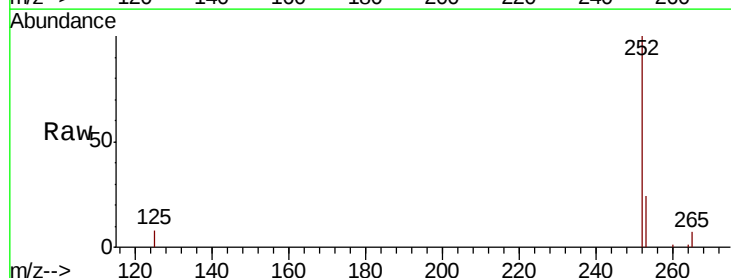
Instrument :
BNA_E
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion:252 Resp: 11990
Ion Ratio Lower Upper
252 100
253 24.8 18.2 27.4
125 12.6 4.5 6.7#



#36
Benzo(k)fluoranthene
Concen: 0.271 ng
RT: 23.22 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BE099779.D
Acq: 29 May 2019 16:47

Tgt Ion:252 Resp: 12681
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 7.6 4.6 6.8#





#37

Benzo(a)pyrene

Concen: 0.276 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD

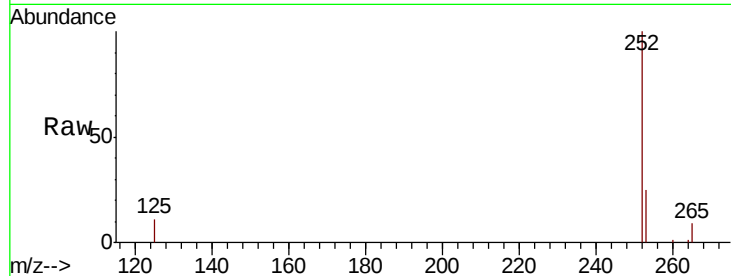
Tot Ion:252 Resp: 11926

Ion Ratio Lower Upper

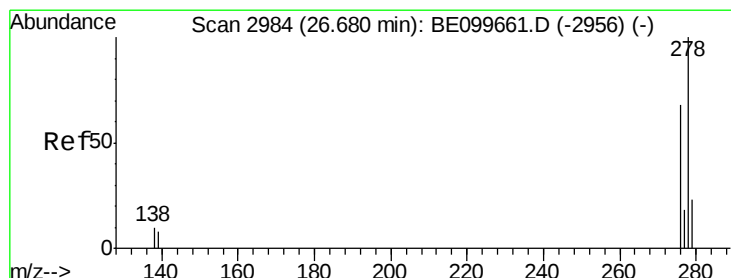
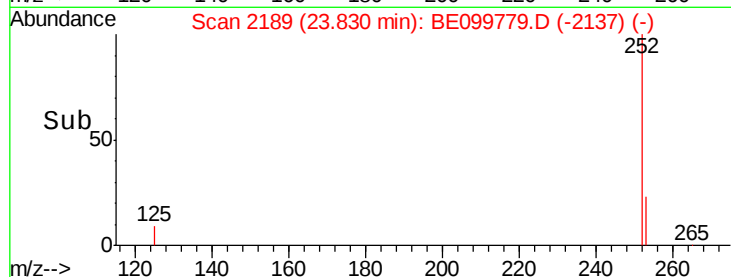
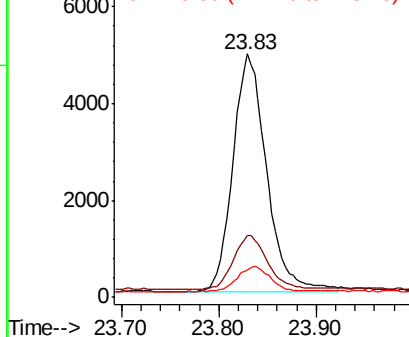
252 100

253 25.3 18.9 28.3

125 11.2 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.246 ng

RT: 26.66 min Scan# 2979

Delta R.T. -0.02 min

Lab File: BE099779.D

Acq: 29 May 2019 16:47

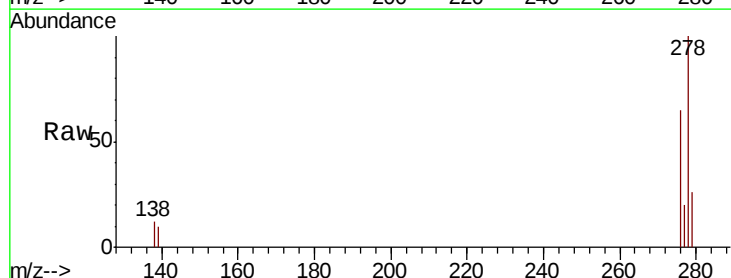
Tgt Ion:278 Resp: 11157

Ion Ratio Lower Upper

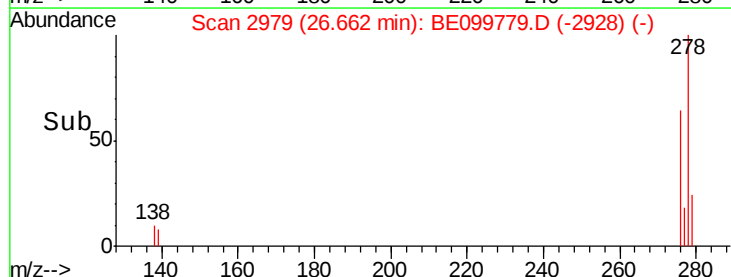
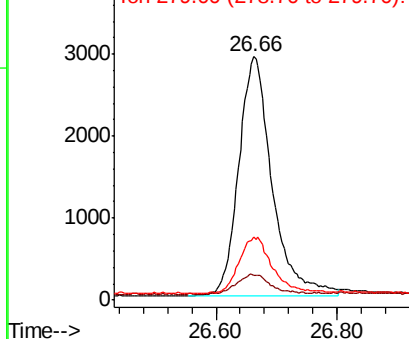
278 100

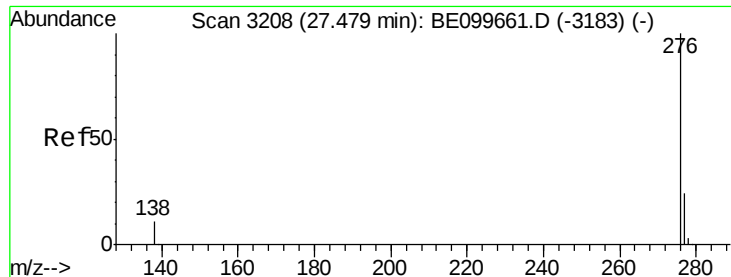
139 10.2 6.9 10.3

279 26.0 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: 0.252 ng

RT: 27.46 min Scan# 3204

Delta R.T. -0.01 min

Lab File: BE099779.D

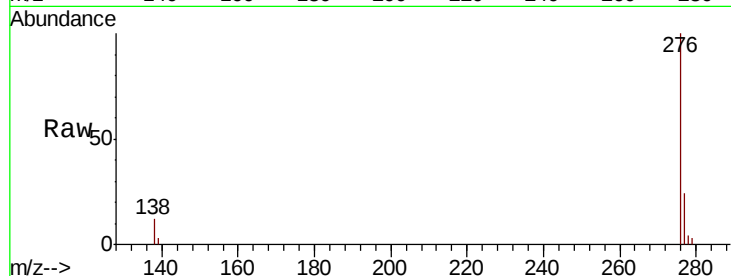
Acq: 29 May 2019 16:47

Instrument :

BNA_E

ClientSampleId :

FESB-27(3.5-4)MSD



Tot Ion: 276 Resp: 11524

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 12.5 9.2 13.8

