

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
 Data File : BE099721.D
 Acq On : 22 May 2019 15:46
 Operator : JU/SJ
 Sample : K2966-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-14(4.5-5)MS

Quant Time: May 23 07:58:44 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	7.81	152	1397	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	4972	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3510	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10437	0.40	ng	0.00
27) Chrysene-d12	21.41	240	14886	0.40	ng	0.00
34) Perylene-d12	23.95	264	18003	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1426	0.40	ng	0.00
5) Phenol-d6	6.97	99	2014	0.43	ng	0.00
8) Nitrobenzene-d5	8.96	82	1708	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3065	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	870	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4299	0.32	ng	0.00
25) Fluoranthene-d10	19.26	212	43942	0.31	ng	0.00
29) Terphenyl-d14	19.86	244	9291	0.35	ng	-0.01

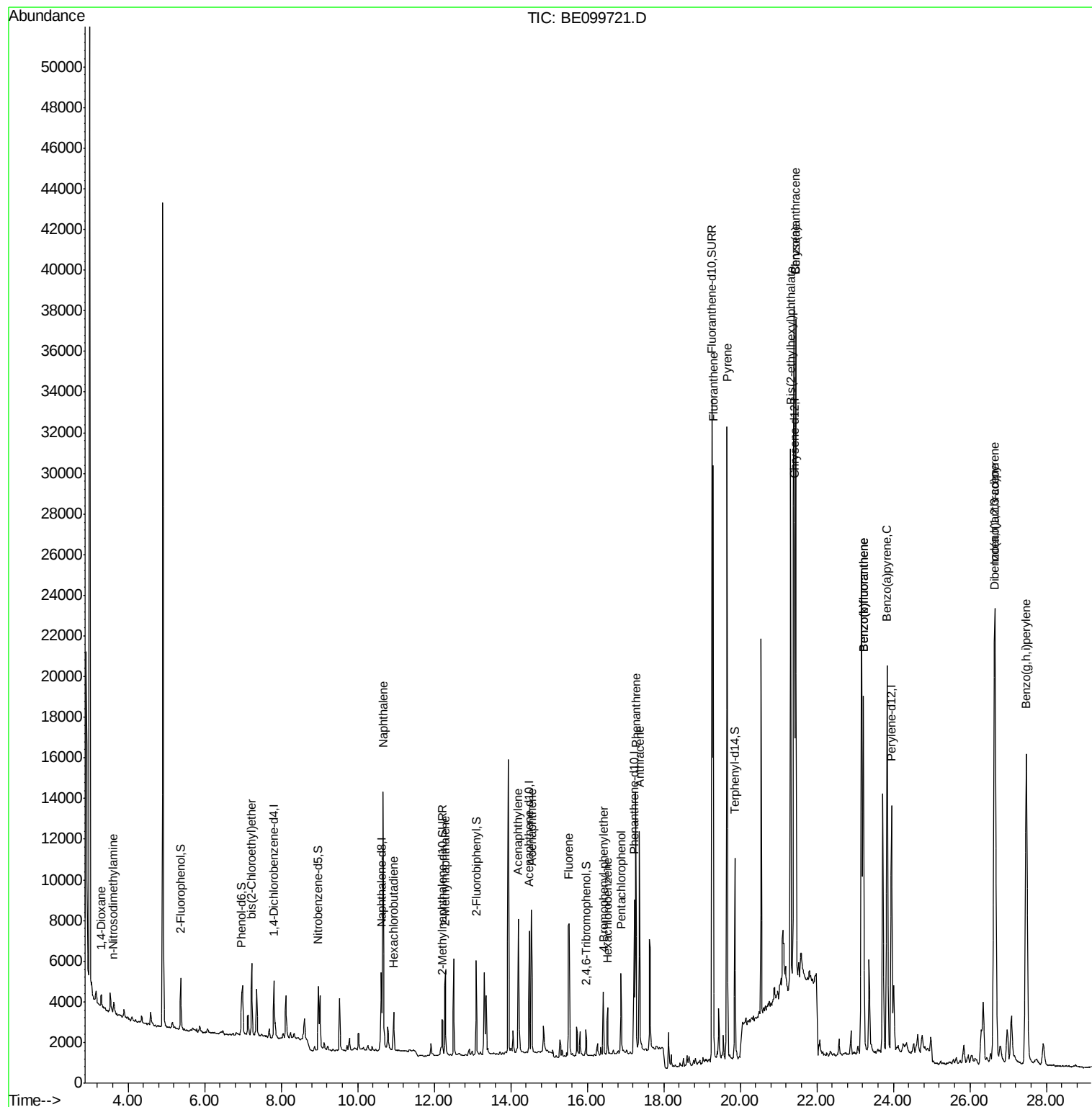
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	505	0.244	ng	# 76
3) n-Nitrosodimethylamine	3.62	42	434	0.380	ng	# 90
6) bis(2-Chloroethyl)ether	7.23	93	1552	0.373	ng	97
9) Naphthalene	10.67	128	21552	0.405	ng	99
10) Hexachlorobutadiene	10.94	225	1291	0.330	ng	100
12) 2-Methylnaphthalene	12.30	142	3427	0.395	ng	98
16) Acenaphthylene	14.20	152	9520	0.582	ng	100
17) Acenaphthene	14.54	154	3460	0.377	ng	98
18) Fluorene	15.53	166	5247	0.388	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2092	0.348	ng	96
21) Hexachlorobenzene	16.53	284	2045	0.332	ng	97
22) Pentachlorophenol	16.88	266	2289	1.259	ng	92
23) Phenanthrene	17.27	178	13665	0.536	ng	99
24) Anthracene	17.36	178	11449	0.495	ng	100
26) Fluoranthene	19.29	202	28140	0.698	ng	100
28) Pyrene	19.66	202	30209	0.808	ng	97
30) Benzo(a)anthracene	21.45	228	28515	0.674	ng	94
31) Chrysene	21.45	228	28290	0.626	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	31044	0.637	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	45192	0.828	ng	99
35) Benzo(b)fluoranthene	23.22	252	25382	0.515	ng	98
36) Benzo(k)fluoranthene	23.22	252	25283	0.492	ng	97
37) Benzo(a)pyrene	23.84	252	31501	0.664	ng	# 98
38) Dibenzo(a,h)anthracene	26.67	278	21764	0.437	ng	97
39) Benzo(g,h,i)perylene	27.47	276	41131	0.817	ng	98

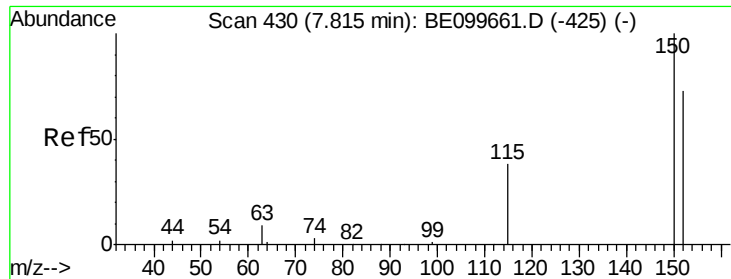
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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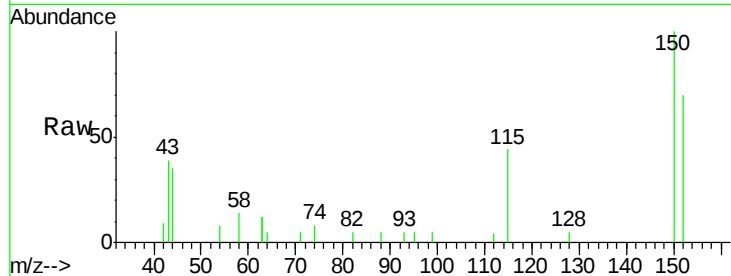


#1

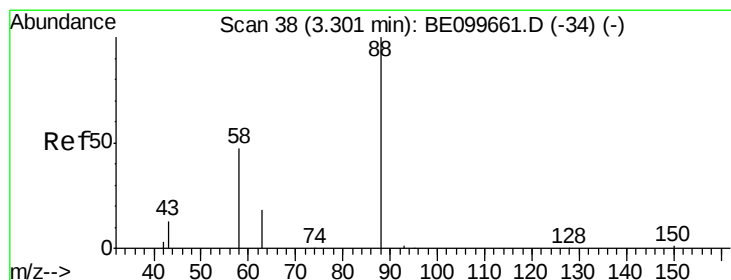
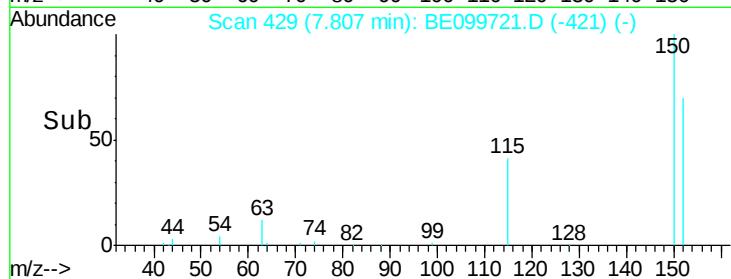
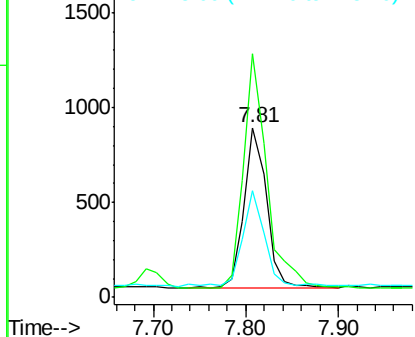
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

Tgt Ion: 152 Resp: 1397
Ion Ratio Lower Upper
152 100
150 143.4 109.2 163.8
115 63.0 43.7 65.5



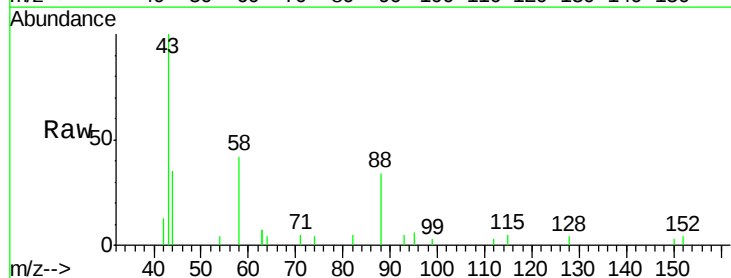
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



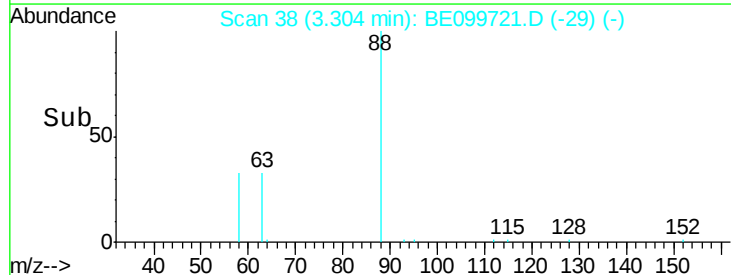
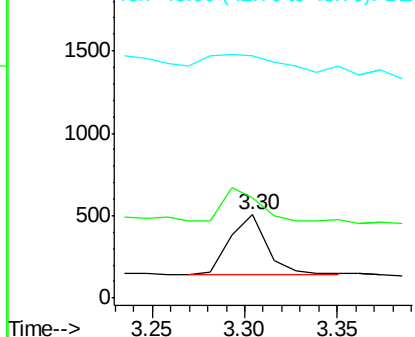
#2

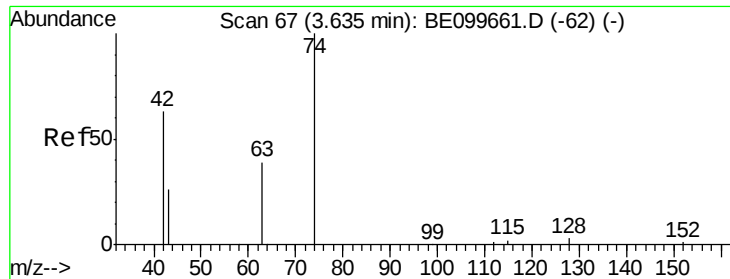
1,4-Dioxane
Concen: 0.244 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion: 88 Resp: 505
Ion Ratio Lower Upper
88 100
58 53.9 41.8 62.8
43 56.8 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: 0.380 ng

RT: 3.62 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

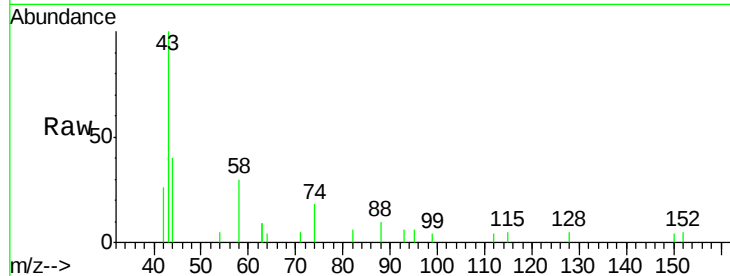
Tgt Ion: 42 Resp: 434

Ion Ratio Lower Upper

42 100

74 174.4 129.2 193.8

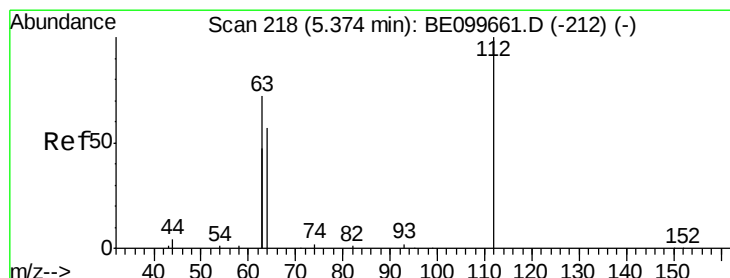
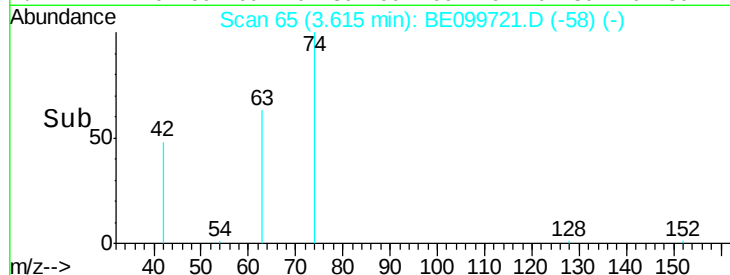
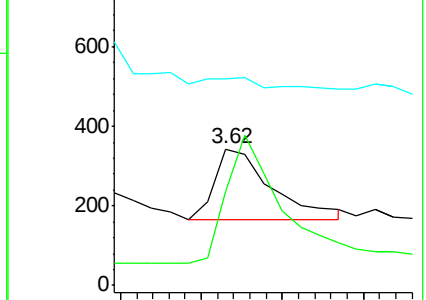
44 0.0 0.0 0.0



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: 0.404 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

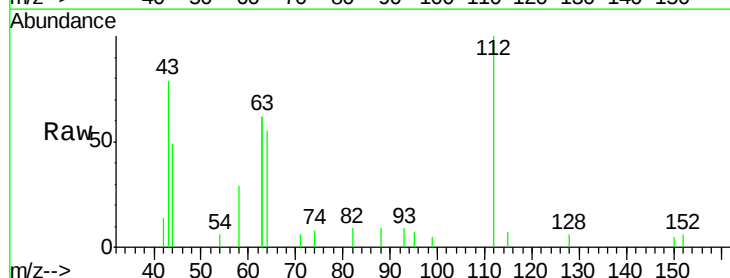
Tgt Ion: 112 Resp: 1426

Ion Ratio Lower Upper

112 100

64 55.3 43.4 65.2

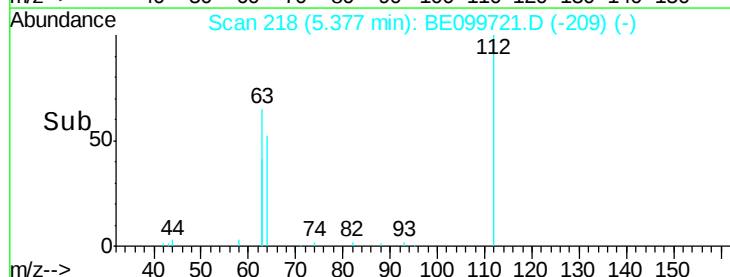
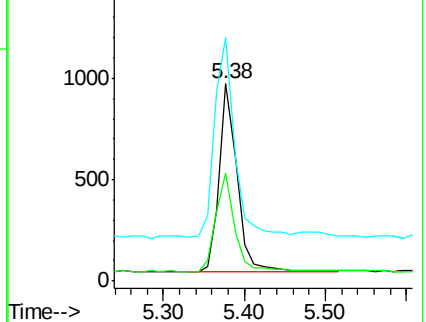
63 118.3 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.431 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

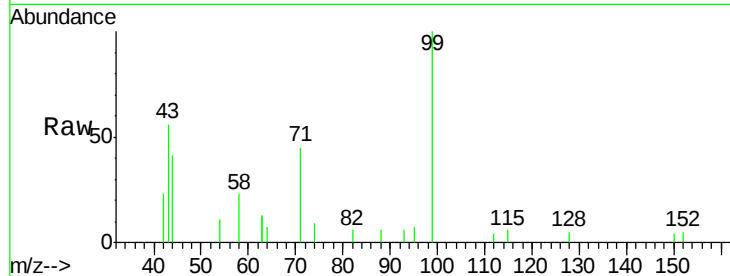
Tgt Ion: 99 Resp: 2014

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

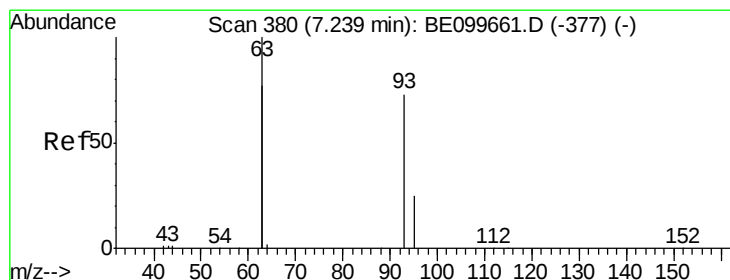
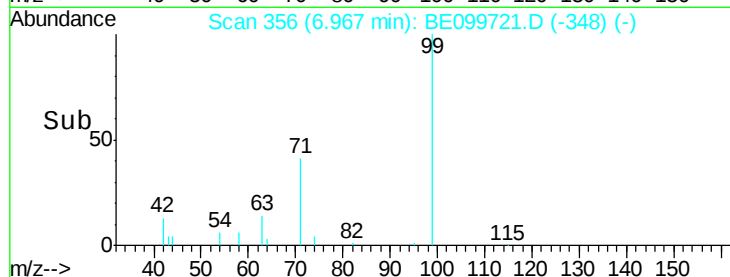
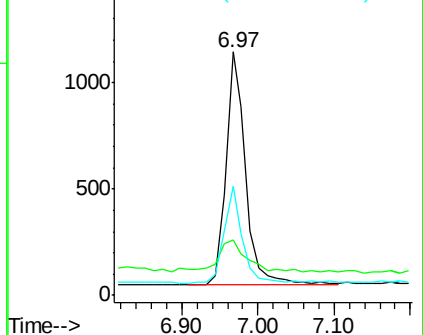
71 37.7 28.9 43.3



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: 0.373 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

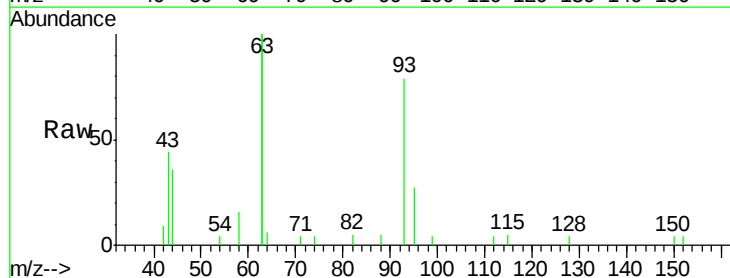
Tgt Ion: 93 Resp: 1552

Ion Ratio Lower Upper

93 100

63 253.8 207.8 311.6

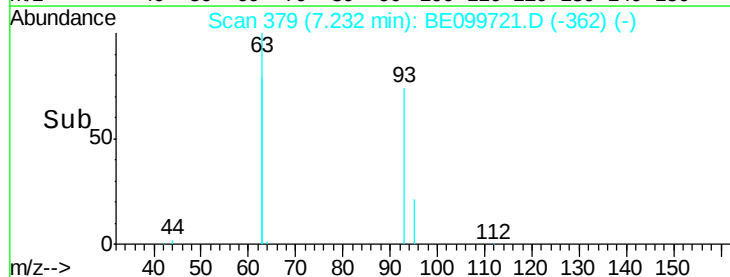
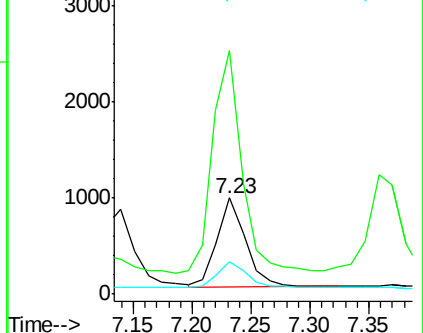
95 31.9 25.9 38.9

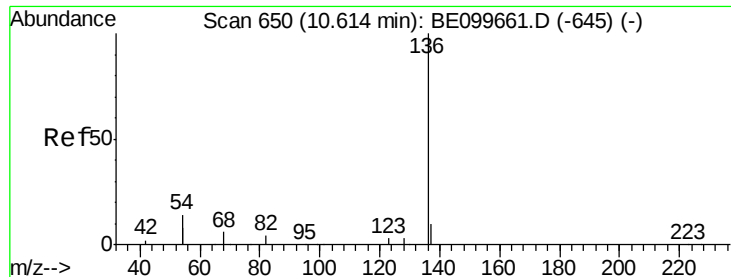


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

Tgt Ion:136 Resp: 4972

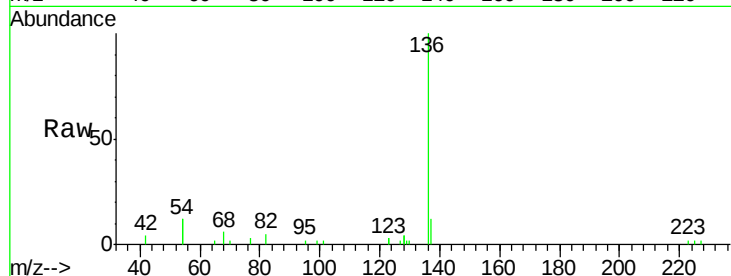
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.6

54 23.8 22.3 33.5

68 6.2 6.0 9.0

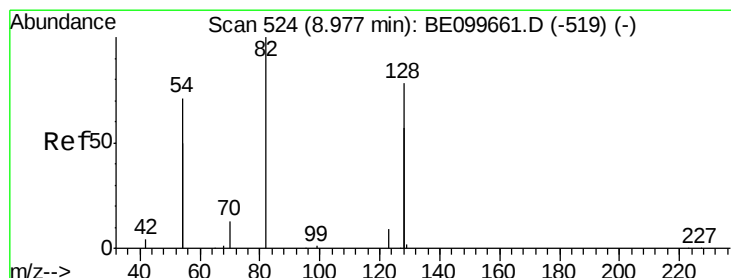
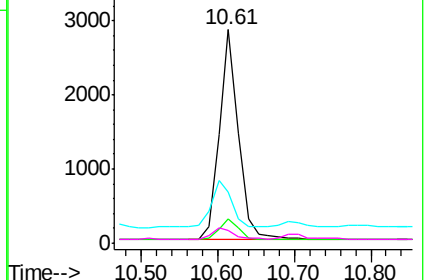
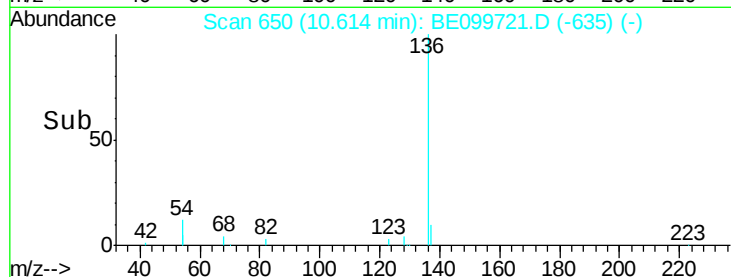


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.397 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

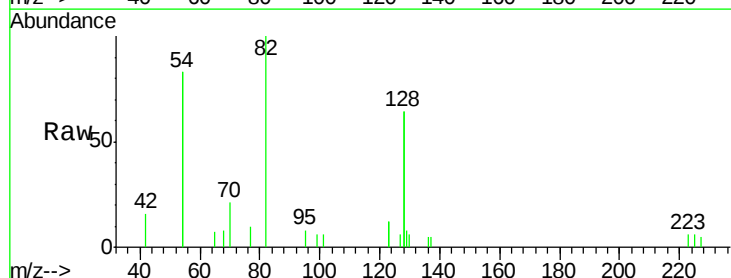
Tgt Ion: 82 Resp: 1708

Ion Ratio Lower Upper

82 100

128 127.6 117.7 176.5

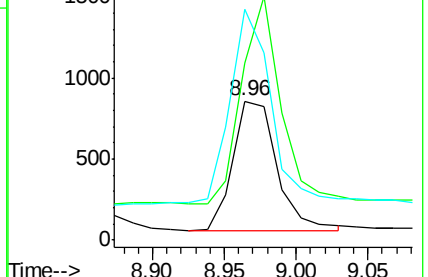
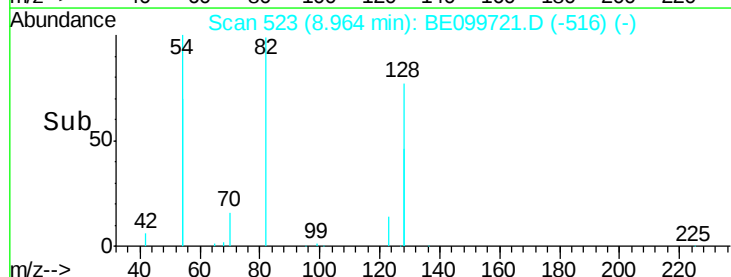
54 166.1 106.6 160.0#

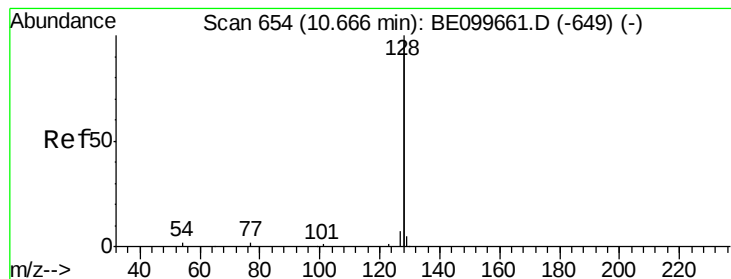


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.405 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

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ClientSampleId :

FESB-14(4.5-5)MS

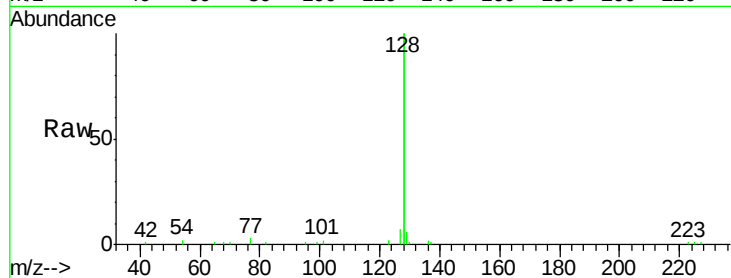
Tgt Ion:128 Resp: 21552

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

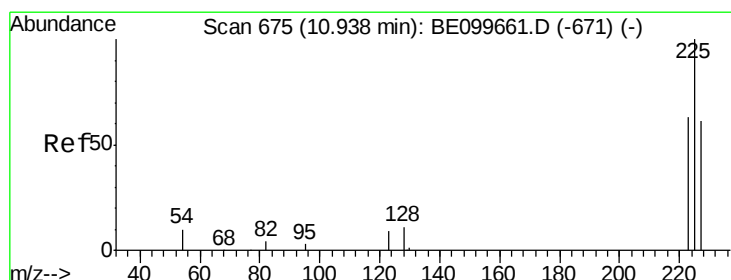
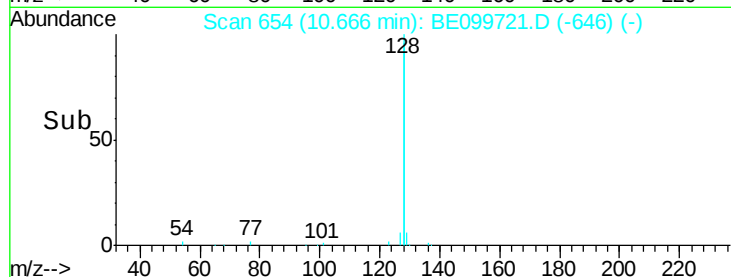
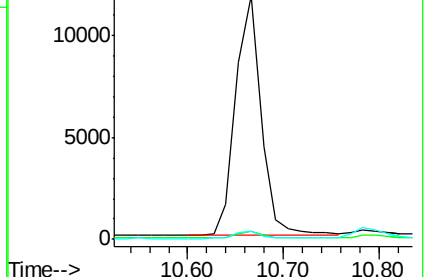
127 3.4 2.9 4.3



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: 0.330 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

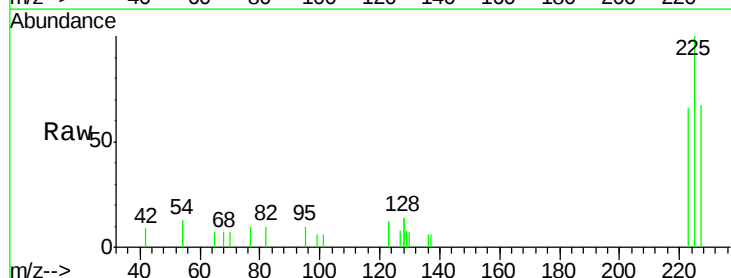
Tgt Ion:225 Resp: 1291

Ion Ratio Lower Upper

225 100

223 64.2 51.8 77.6

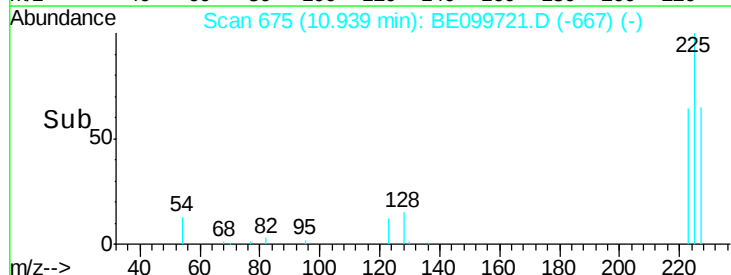
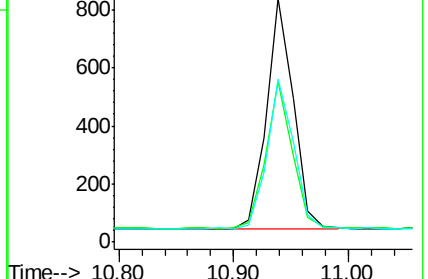
227 65.7 52.6 79.0

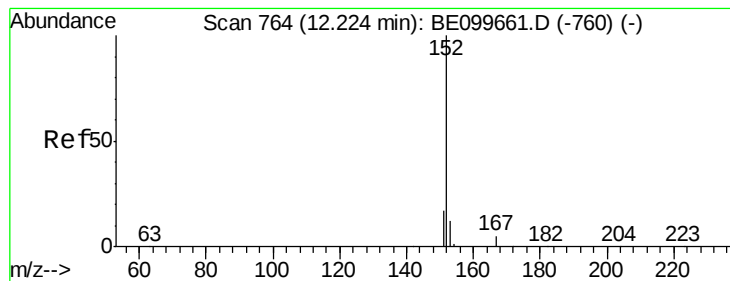


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

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ClientSampleId :

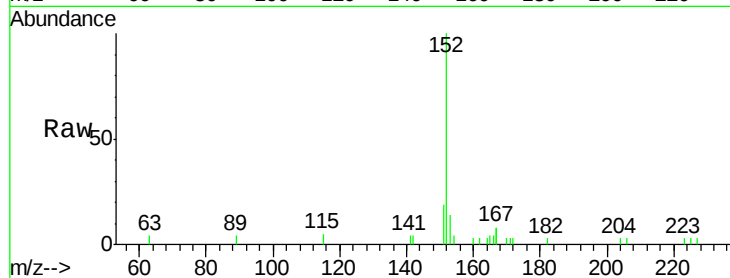
FESB-14(4.5-5)MS

Tgt Ion:152 Resp: 3065

Ion Ratio Lower Upper

152 100

151 18.1 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

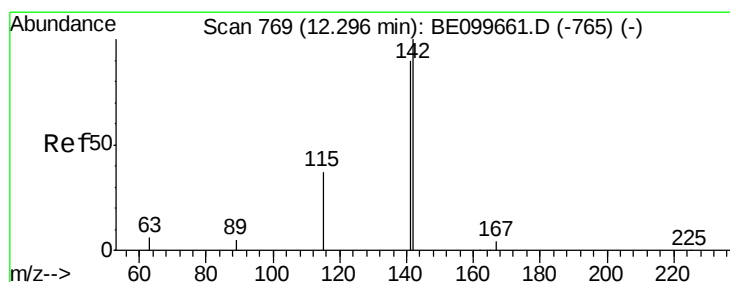
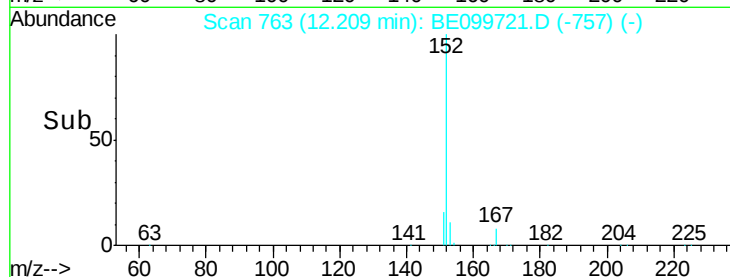
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.395 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

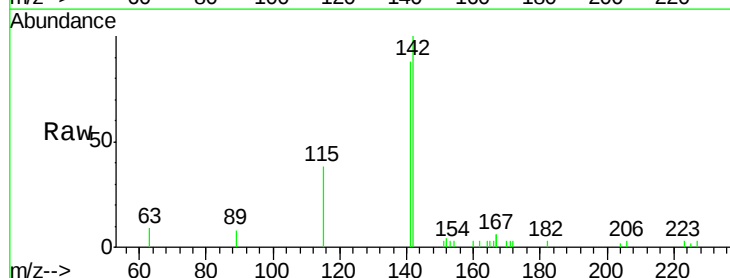
Tgt Ion:142 Resp: 3427

Ion Ratio Lower Upper

142 100

141 88.3 72.0 108.0

115 37.9 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

2500

2000

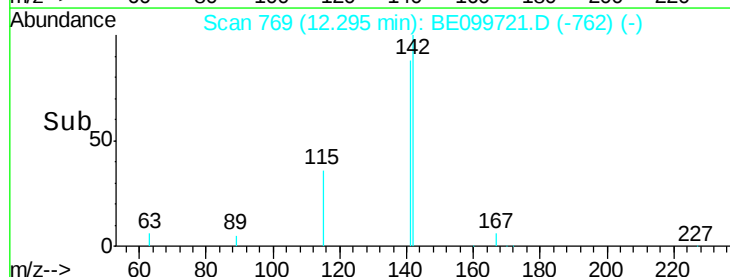
1500

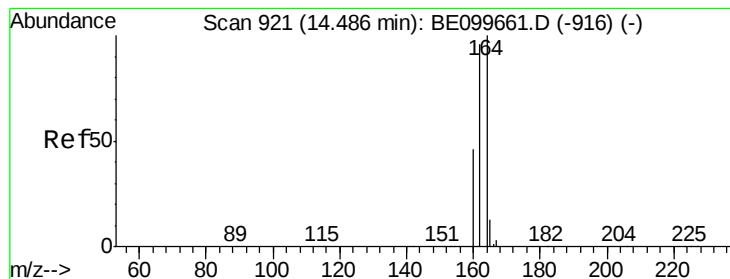
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

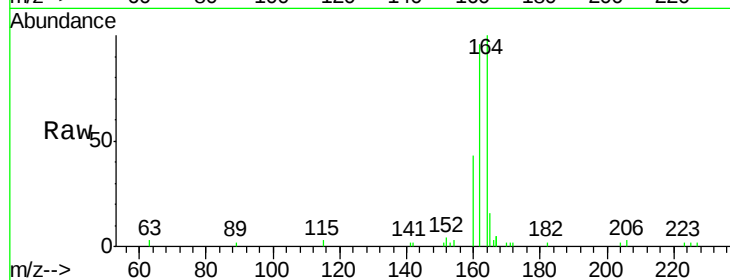
Tgt Ion:164 Resp: 3510

Ion Ratio Lower Upper

164 100

162 96.1 76.5 114.7

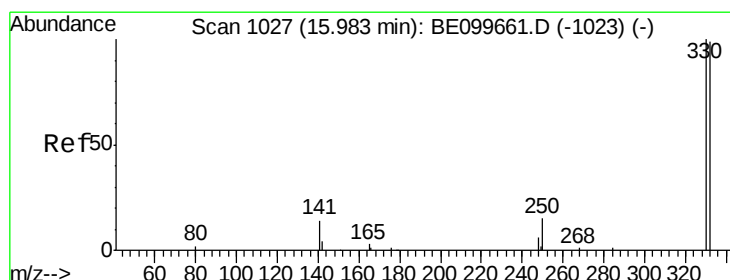
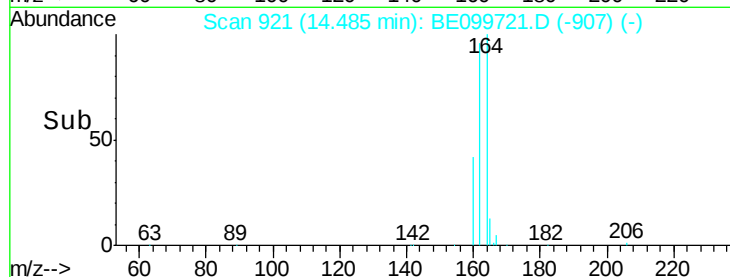
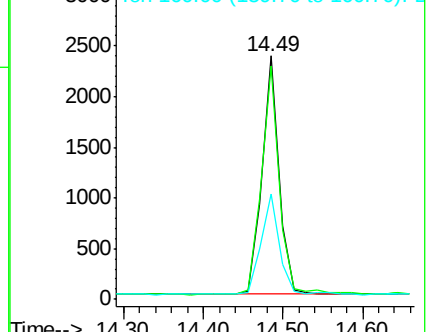
160 43.4 37.4 56.2



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: 0.454 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

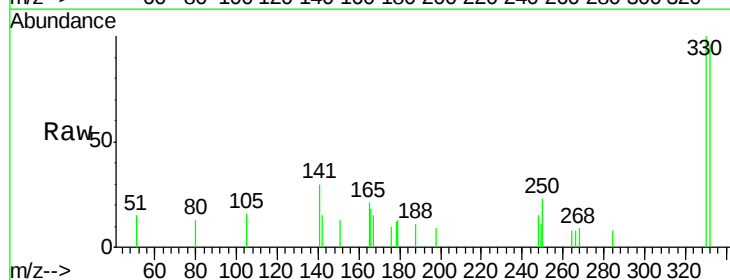
Tgt Ion:330 Resp: 870

Ion Ratio Lower Upper

330 100

332 93.7 77.3 115.9

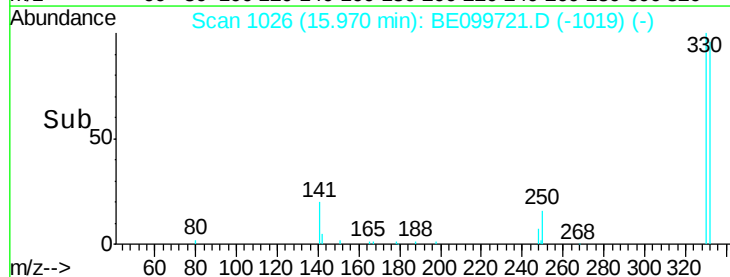
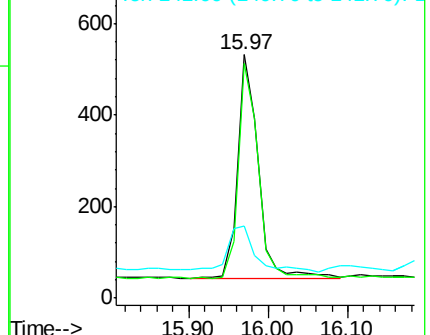
141 27.6 18.9 28.3



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

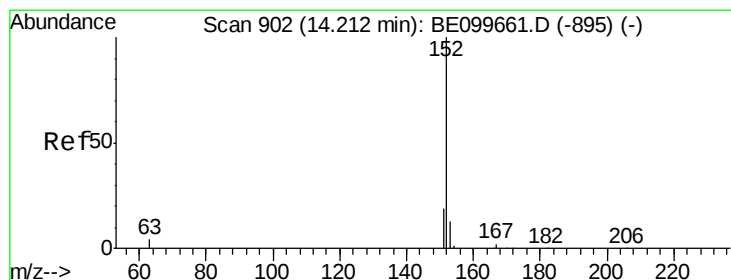
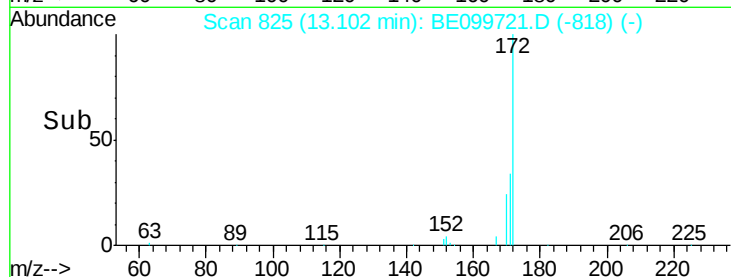
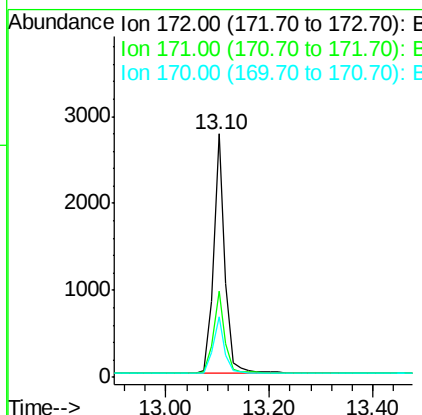
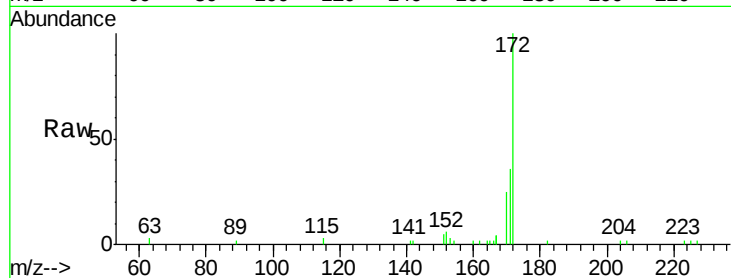




#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

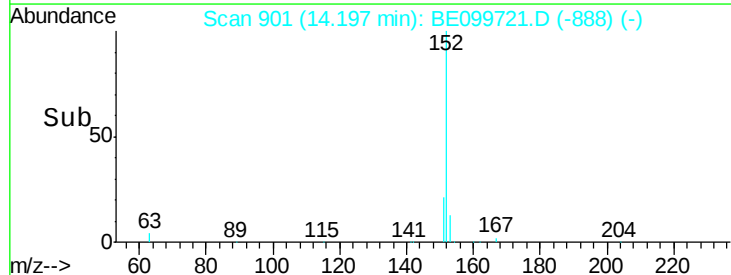
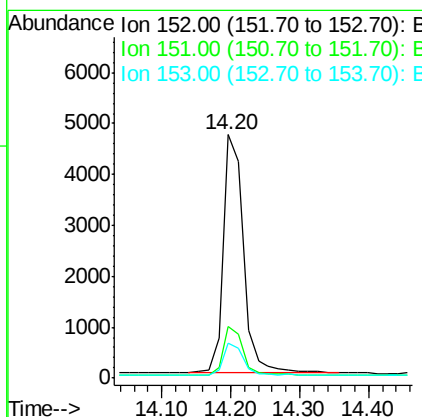
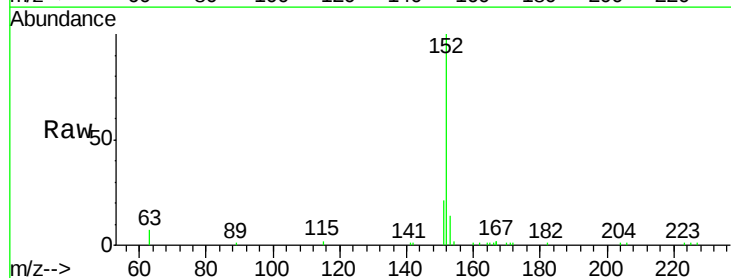
Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

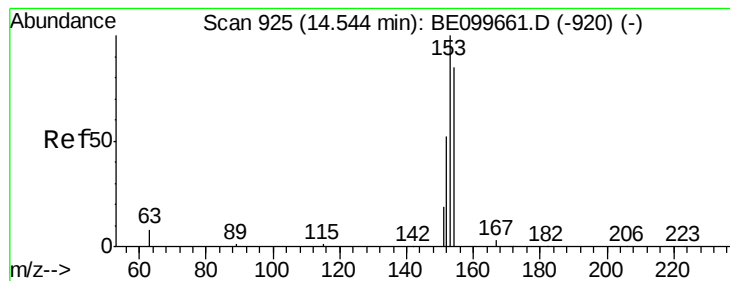
Tgt Ion:172 Resp: 4299
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 24.9 20.9 31.3



#16
Acenaphthylene
Concen: 0.582 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:152 Resp: 9520
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.0 10.6 16.0





#17

Acenaphthene

Concen: 0.377 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

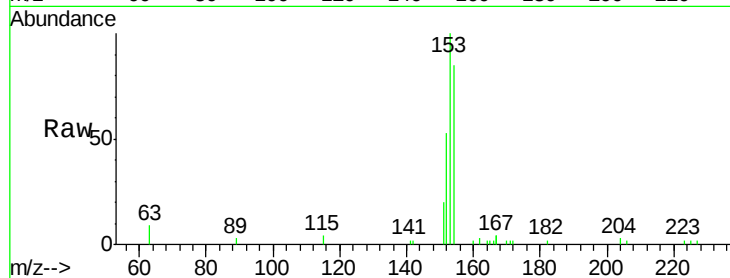
Tgt Ion:154 Resp: 3460

Ion Ratio Lower Upper

154 100

153 116.4 91.8 137.6

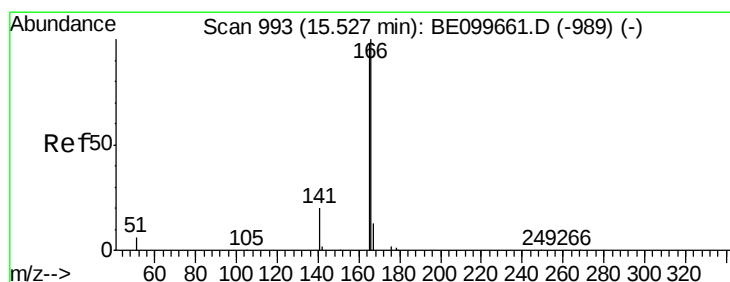
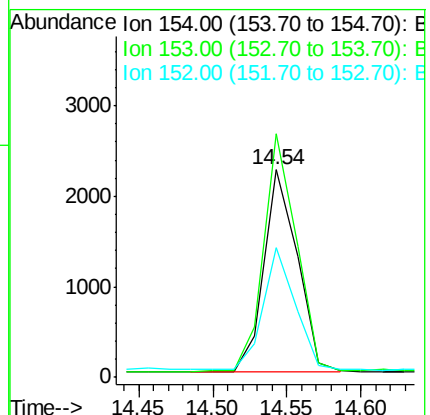
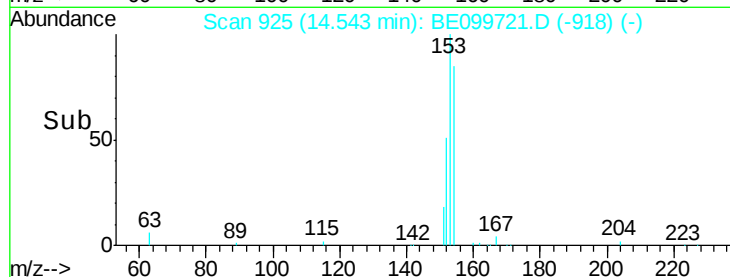
152 58.7 46.0 69.0



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: 0.388 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

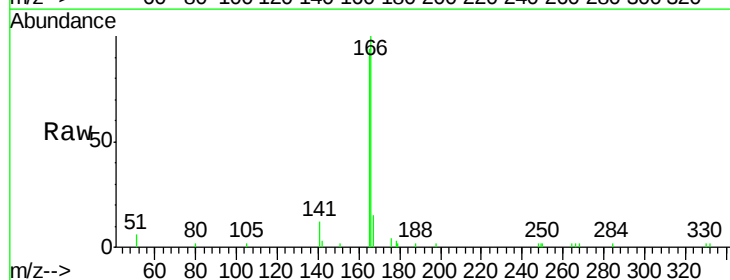
Tgt Ion:166 Resp: 5247

Ion Ratio Lower Upper

166 100

165 101.5 80.3 120.5

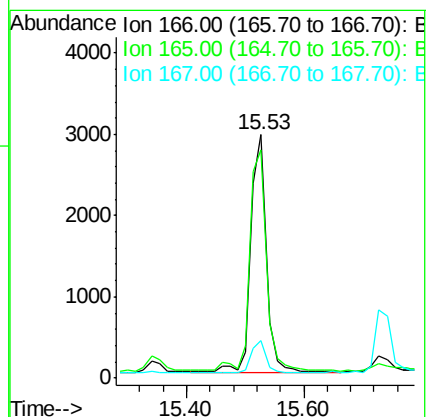
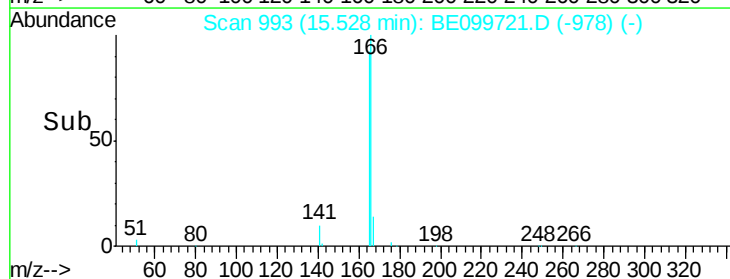
167 13.7 10.6 16.0

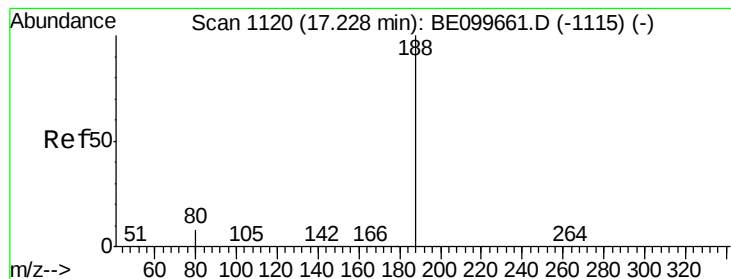


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

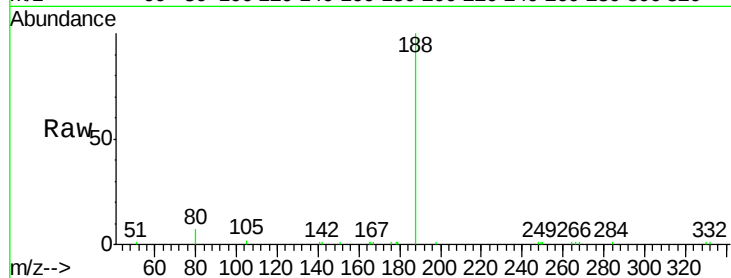
Tgt Ion:188 Resp: 10437

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

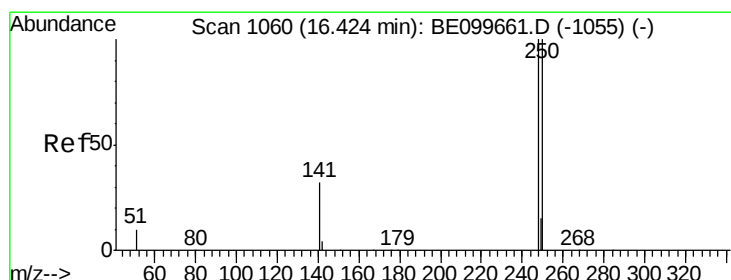
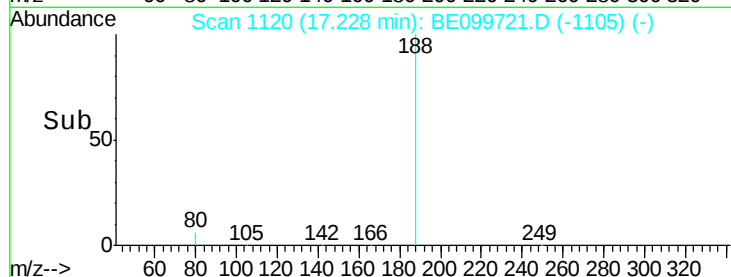
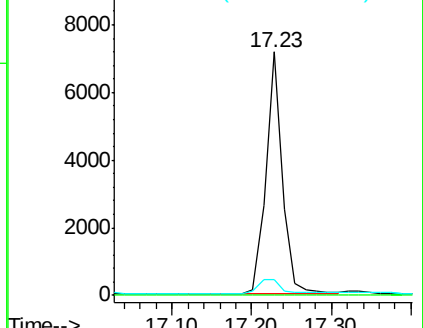
80 6.6 6.7 10.1#



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: 0.348 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

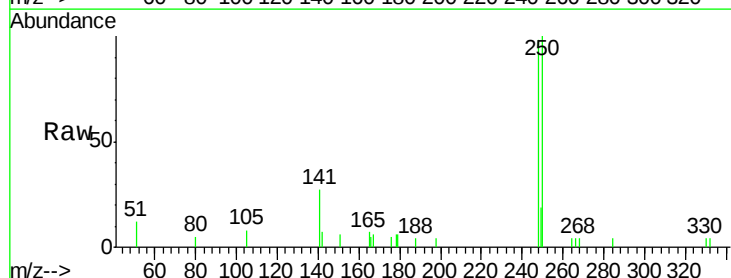
Tgt Ion:248 Resp: 2092

Ion Ratio Lower Upper

248 100

250 102.3 79.8 119.8

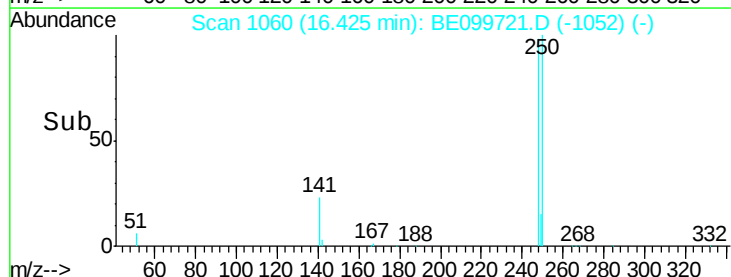
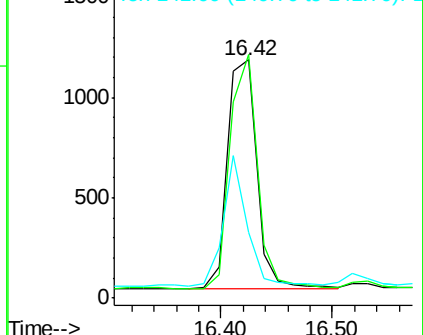
141 27.9 27.0 40.6

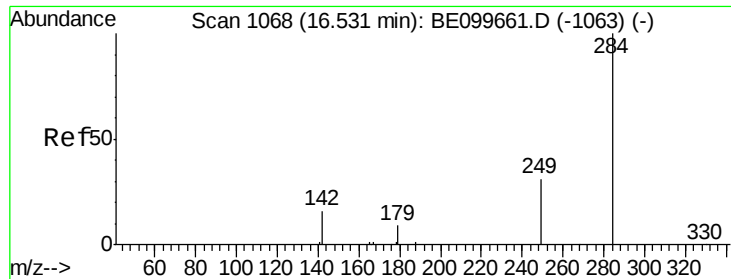


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

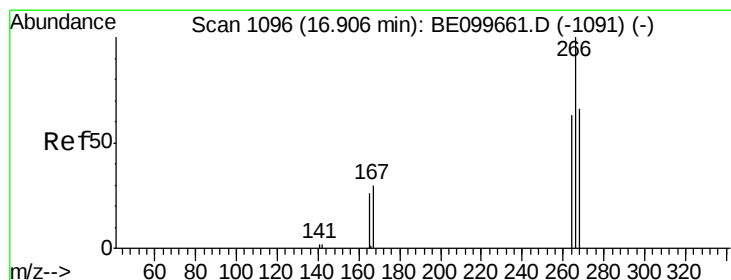
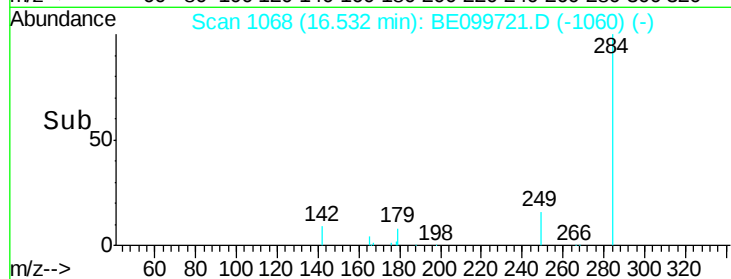
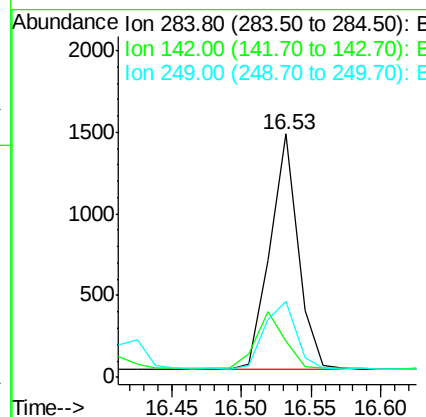
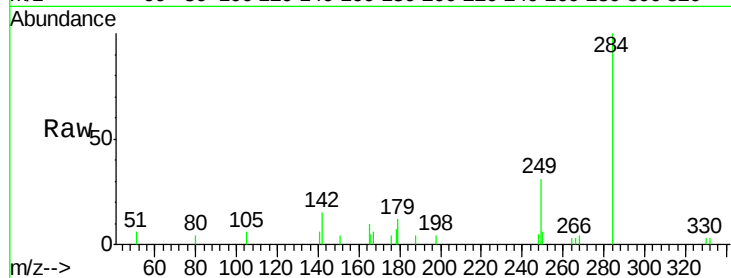




#21
Hexachlorobenzene
Concen: 0.332 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

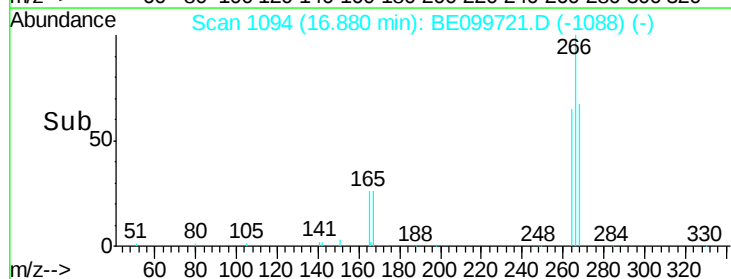
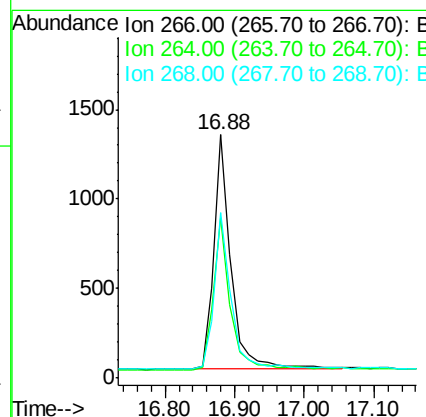
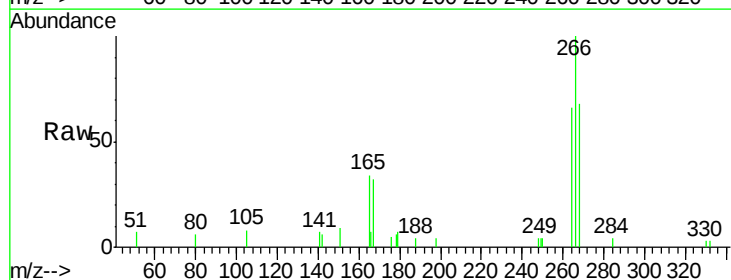
Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

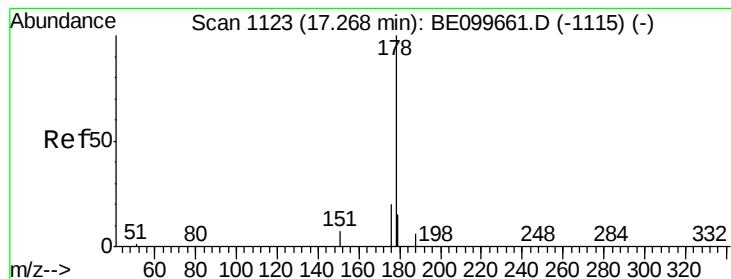
Tgt Ion:284 Resp: 2045
Ion Ratio Lower Upper
284 100
142 24.4 17.8 26.6
249 31.7 24.8 37.2



#22
Pentachlorophenol
Concen: 1.259 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:266 Resp: 2289
Ion Ratio Lower Upper
266 100
264 66.1 57.2 85.8
268 68.0 60.5 90.7





#23

Phenanthrene

Concen: 0.536 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

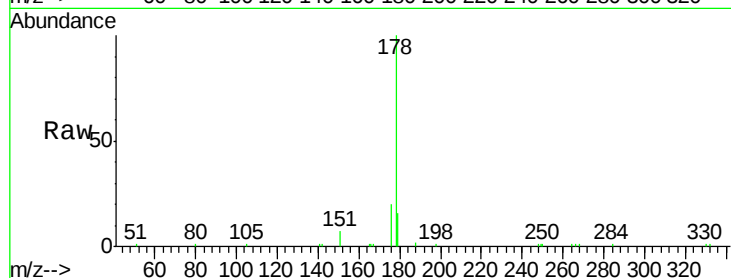
Tgt Ion:178 Resp: 13665

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

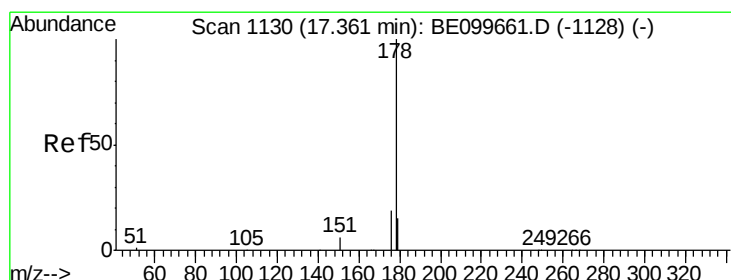
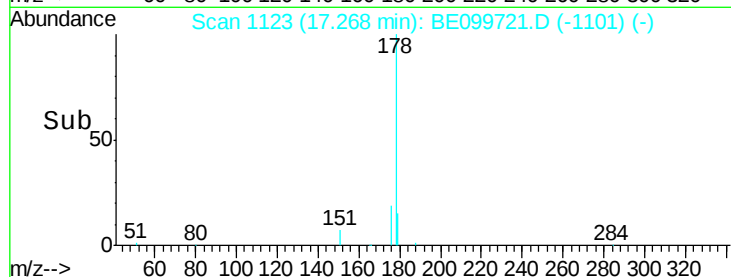
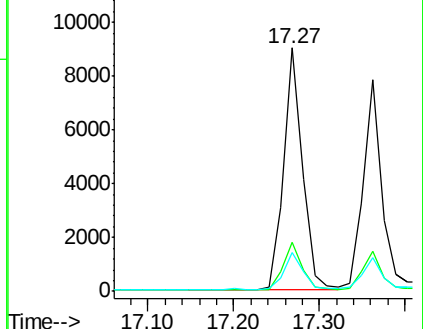
179 15.5 12.2 18.4



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: 0.495 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

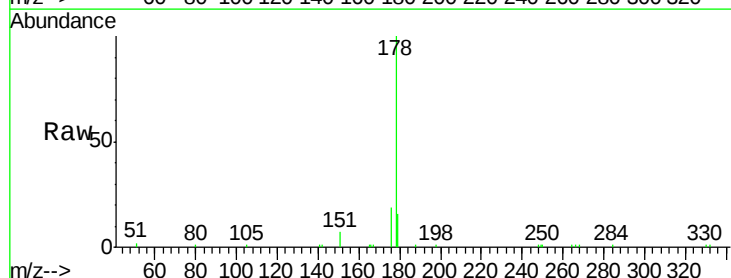
Tgt Ion:178 Resp: 11449

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

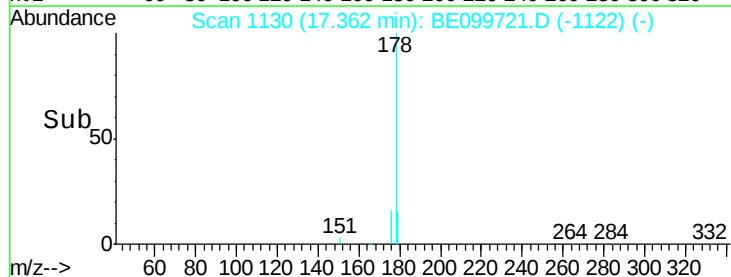
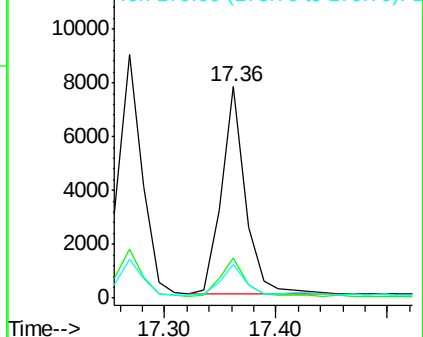
179 14.9 12.0 18.0

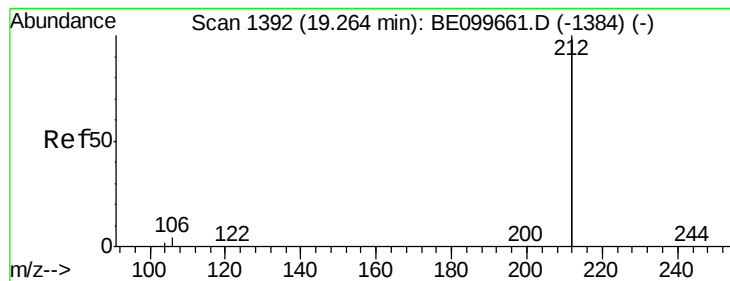


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.308 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

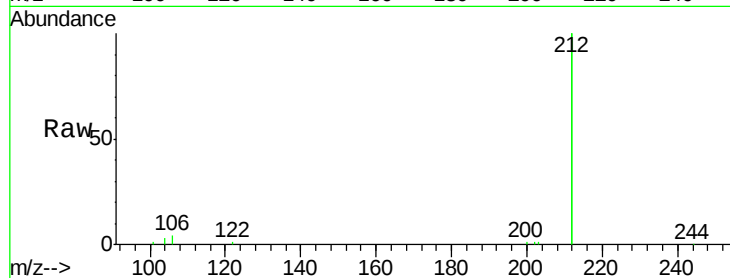
Tgt Ion:212 Resp: 43942

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

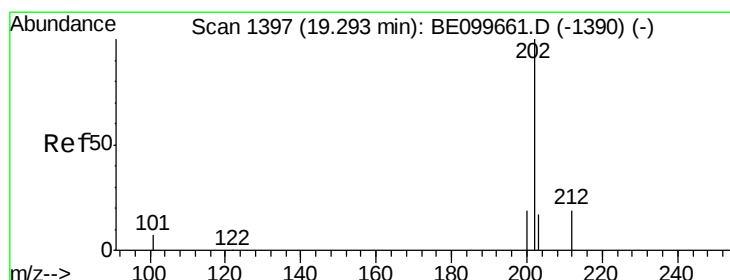
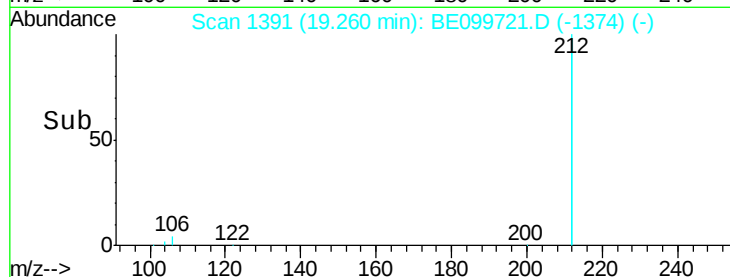
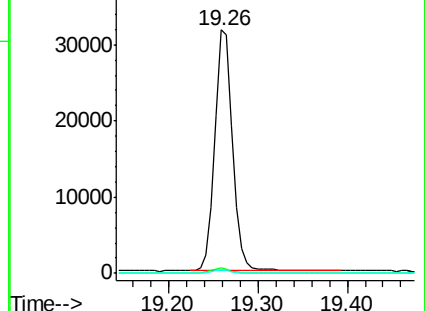
104 1.1 0.8 1.2



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: 0.698 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

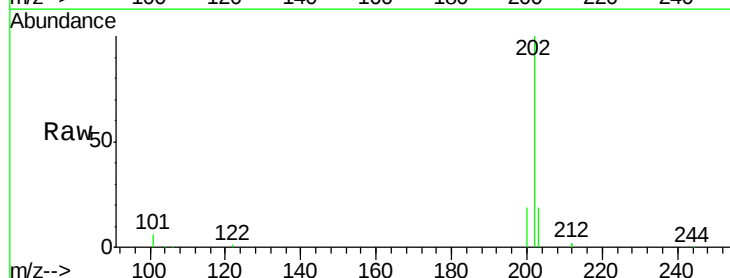
Tgt Ion:202 Resp: 28140

Ion Ratio Lower Upper

202 100

101 6.6 5.2 7.8

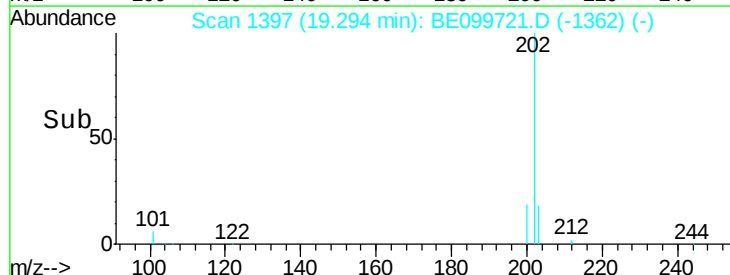
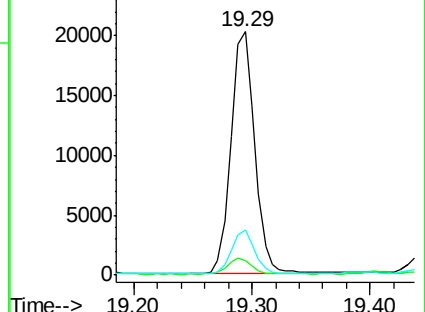
203 17.3 13.8 20.6



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

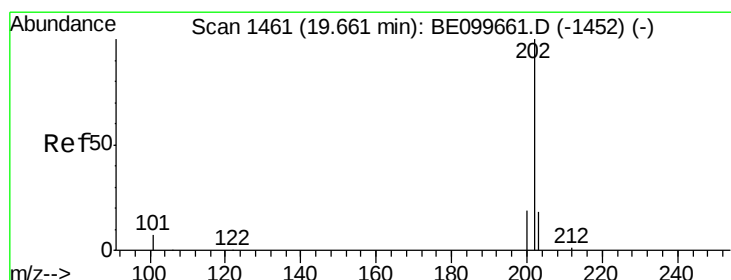
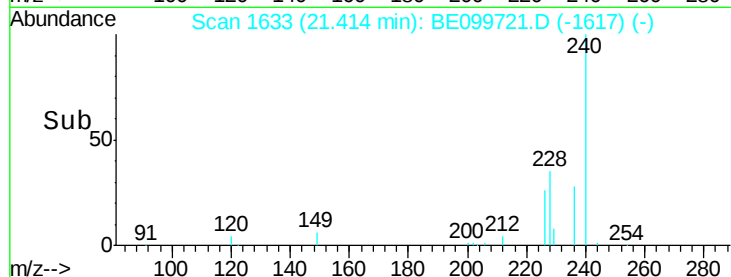
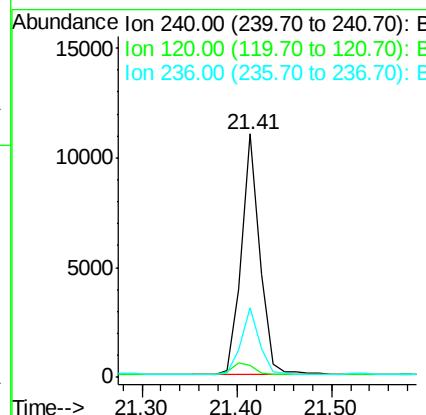
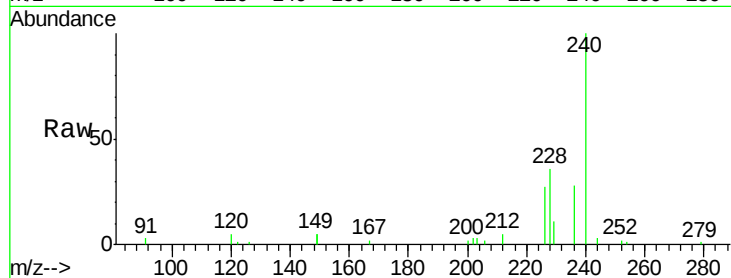




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE099721.D
 Acq: 22 May 2019 15:46

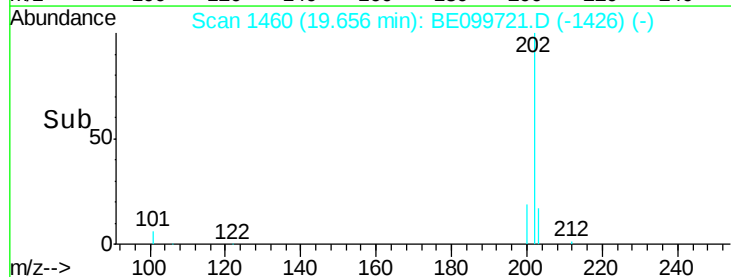
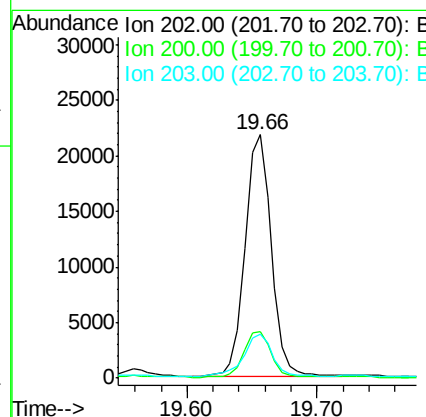
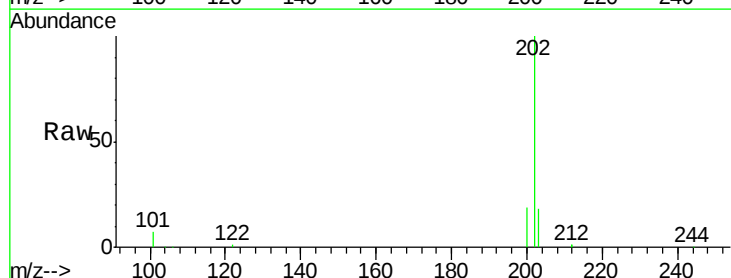
Instrument :
 BNA_E
 ClientSampleId :
 FESB-14(4.5-5)MS

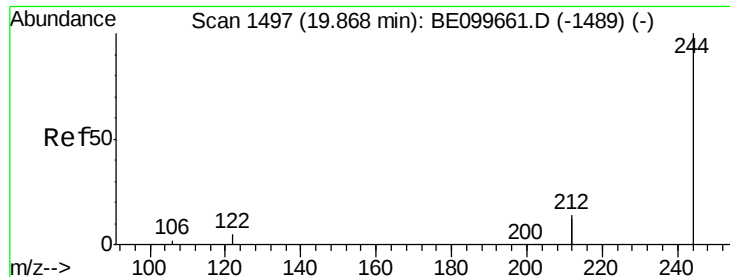
Tgt Ion:240 Resp: 14886
 Ion Ratio Lower Upper
 240 100
 120 4.9 5.4 8.0#
 236 28.4 21.7 32.5



#28
 Pyrene
 Concen: 0.808 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BE099721.D
 Acq: 22 May 2019 15:46

Tgt Ion:202 Resp: 30209
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.4 23.2
 203 19.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.350 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

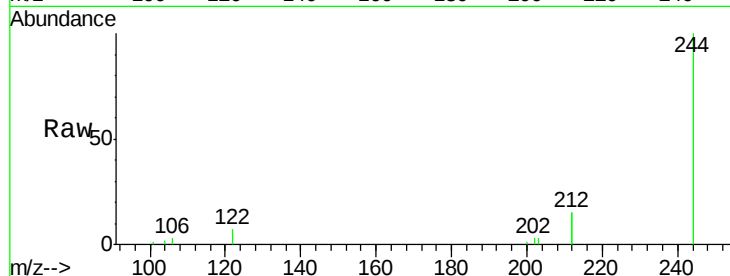
Tgt Ion:244 Resp: 9291

Ion Ratio Lower Upper

244 100

212 30.6 22.5 33.7

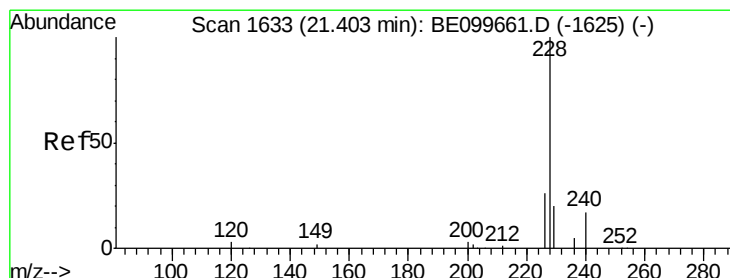
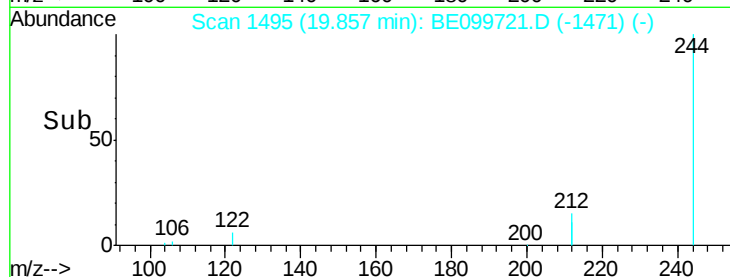
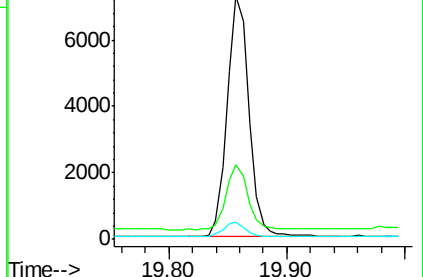
122 6.9 4.3 6.5#



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: 0.674 ng

RT: 21.45 min Scan# 1636

Delta R.T. 0.05 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

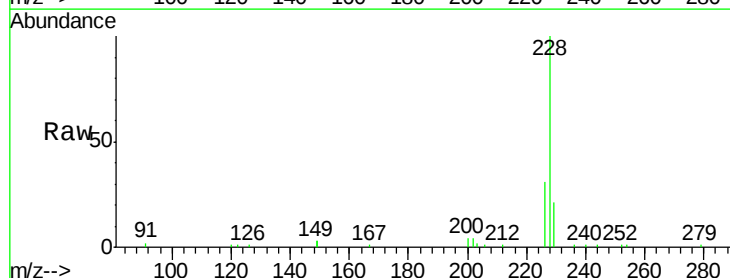
Tgt Ion:228 Resp: 28515

Ion Ratio Lower Upper

228 100

226 31.1 21.3 31.9

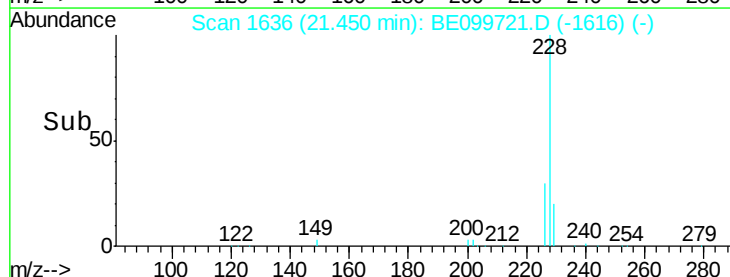
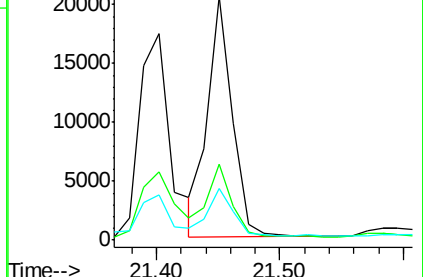
229 21.4 16.1 24.1

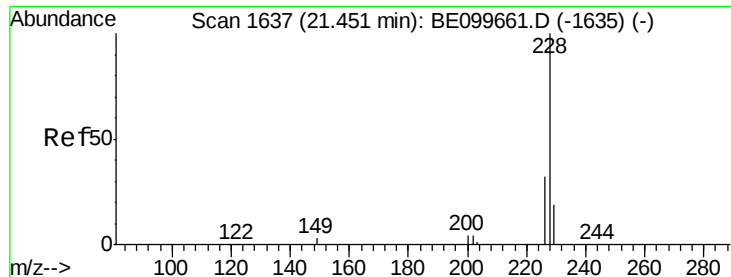


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.626 ng

RT: 21.45 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

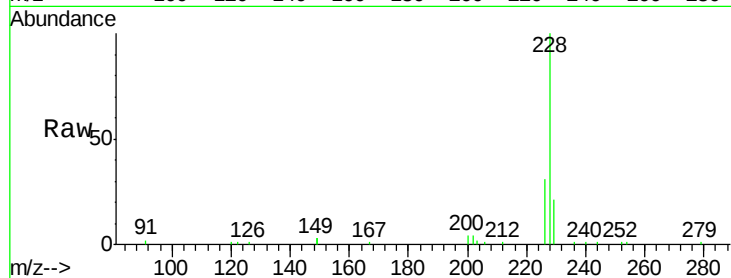
Tgt Ion:228 Resp: 28290

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

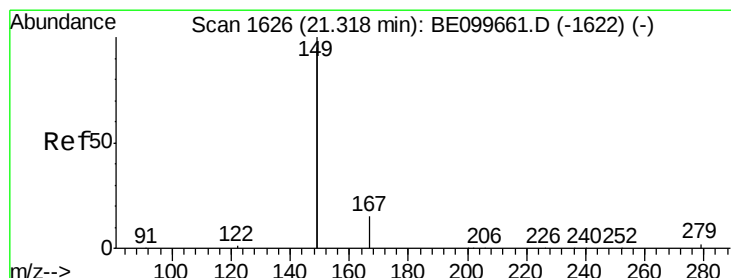
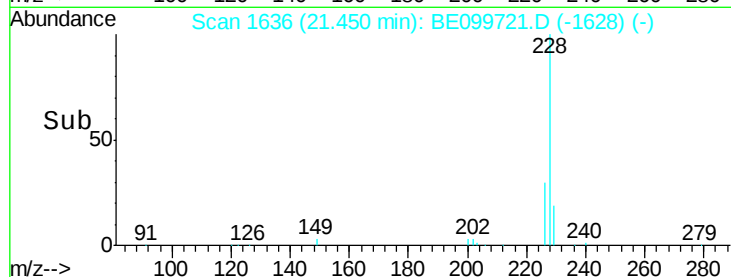
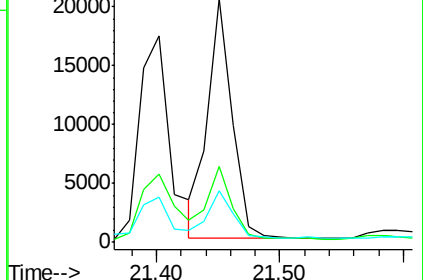
229 21.4 15.8 23.6



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: 0.637 ng

RT: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

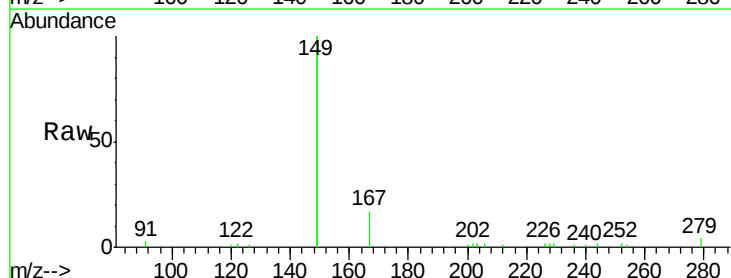
Tgt Ion:149 Resp: 31044

Ion Ratio Lower Upper

149 100

167 7.9 6.2 9.4

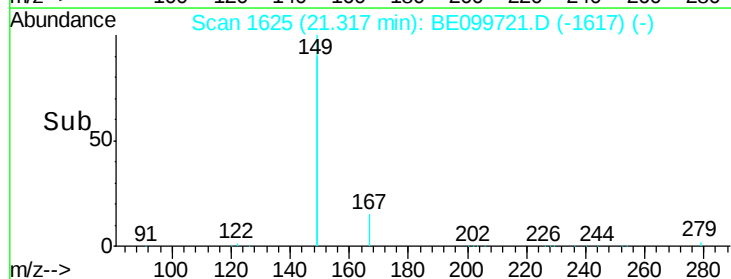
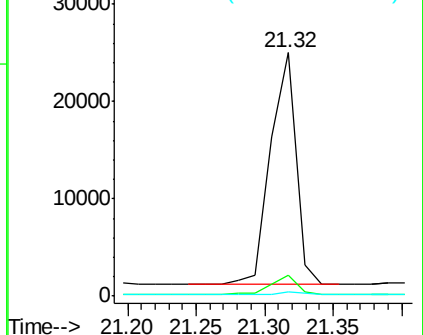
279 1.6 1.2 1.8

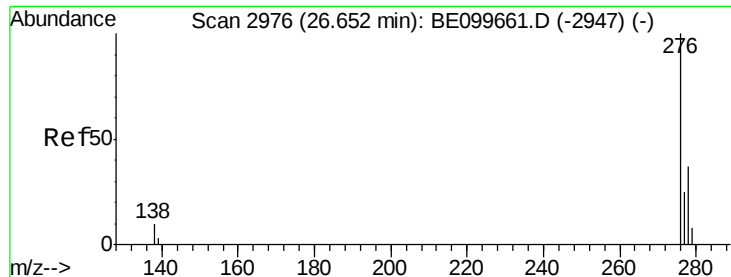


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.828 ng

RT: 26.64 min Scan# 2972

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

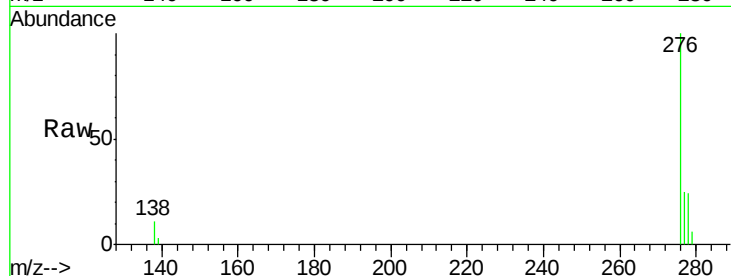
Tgt Ion:276 Resp: 45192

Ion Ratio Lower Upper

276 100

138 10.7 9.6 14.4

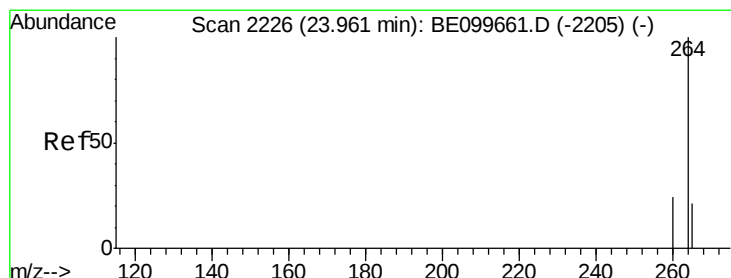
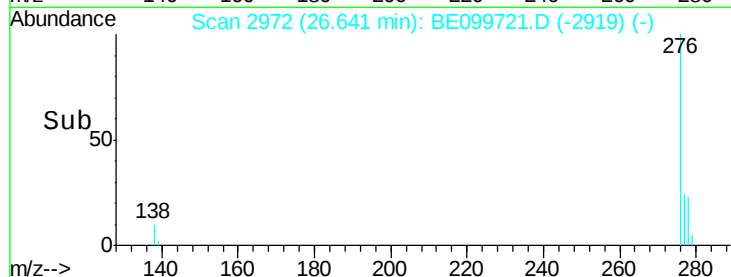
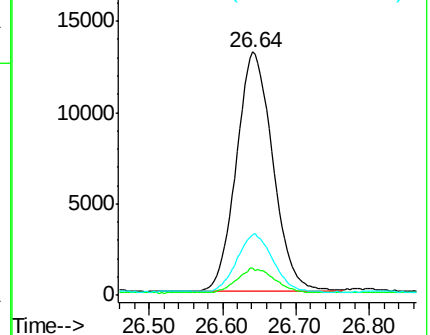
277 24.1 19.2 28.8



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: 23.95 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

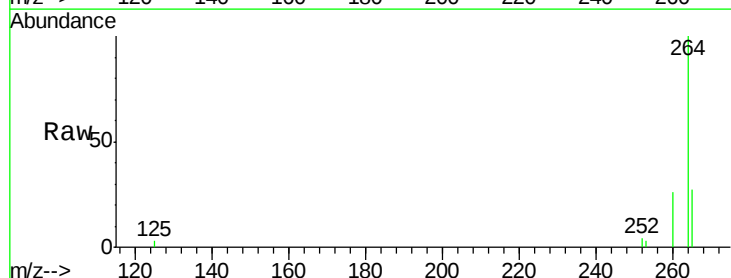
Tgt Ion:264 Resp: 18003

Ion Ratio Lower Upper

264 100

260 25.5 19.6 29.4

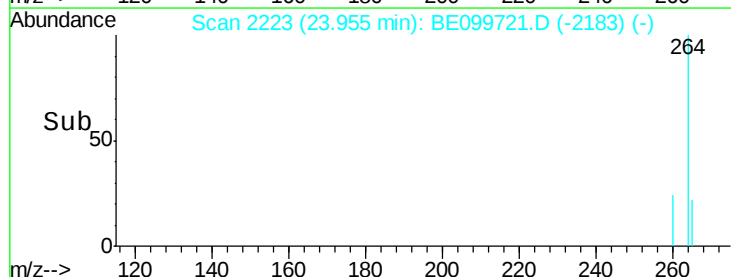
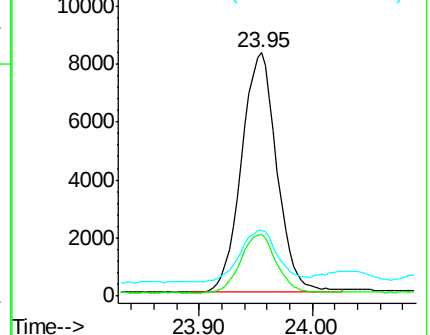
265 26.7 19.1 28.7

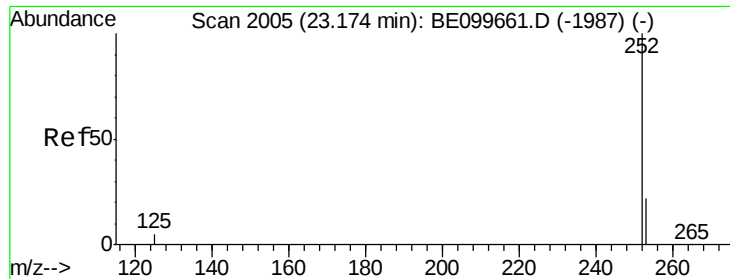


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.515 ng

RT: 23.22 min Scan# 2017

Delta R.T. 0.05 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

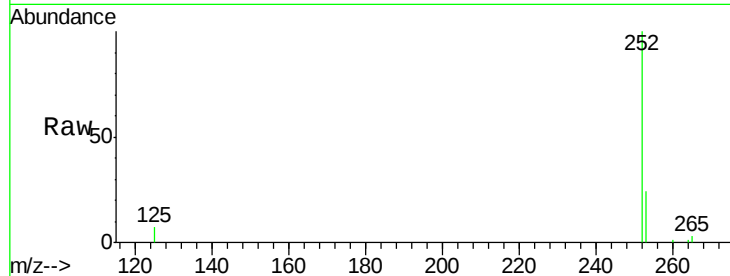
Tgt Ion:252 Resp: 25382

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.4

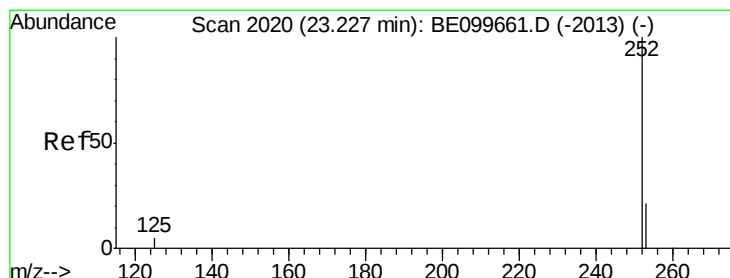
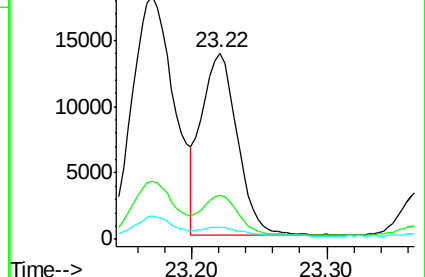
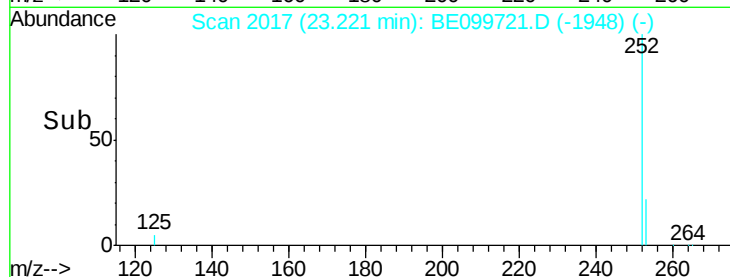
125 6.7 4.5 6.7



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: 0.492 ng

RT: 23.22 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

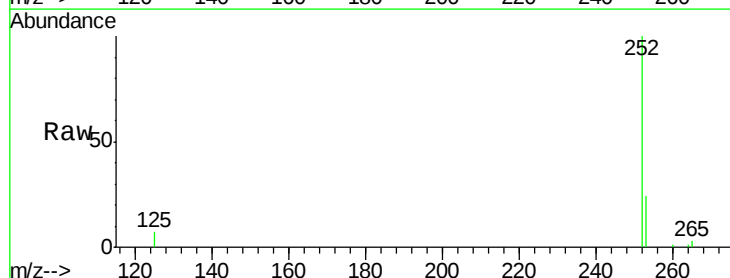
Tgt Ion:252 Resp: 25283

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

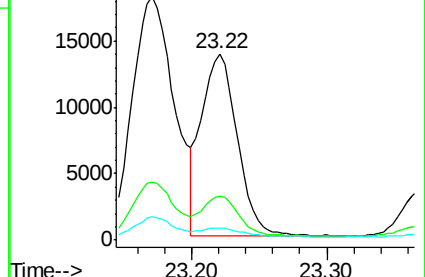
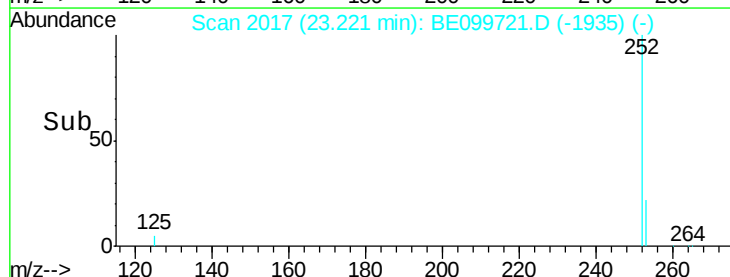
125 6.7 4.6 6.8

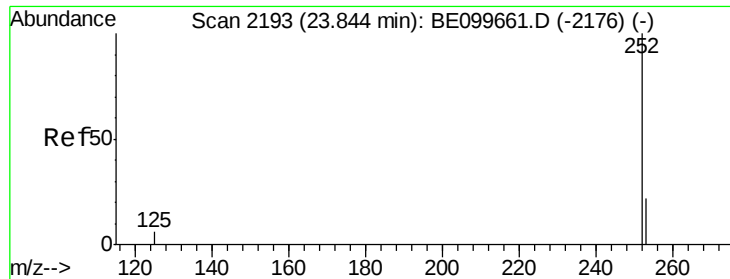


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.664 ng

RT: 23.84 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS

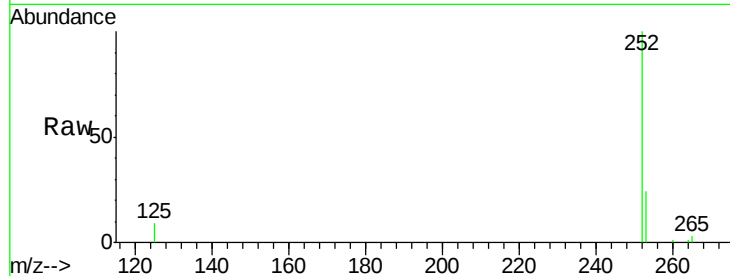
Tgt Ion:252 Resp: 31501

Ion Ratio Lower Upper

252 100

253 23.8 18.9 28.3

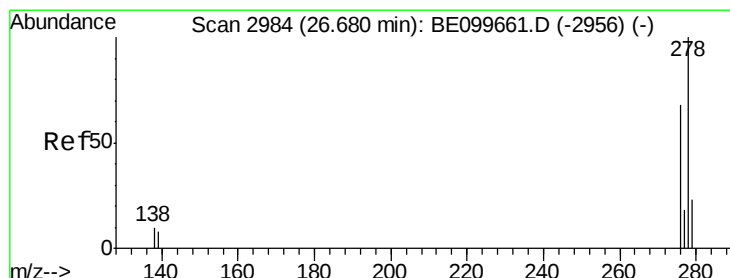
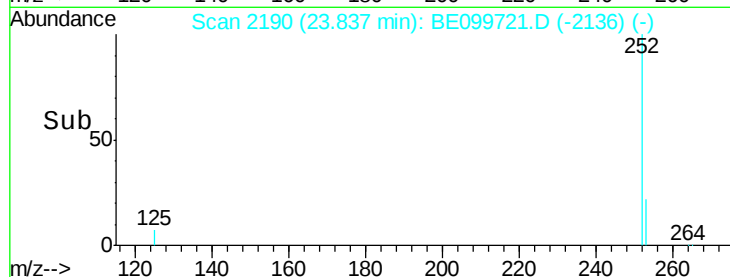
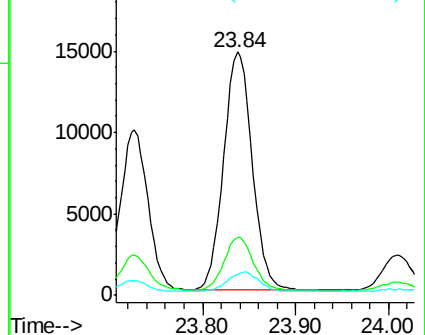
125 8.6 5.4 8.0#



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: 0.437 ng

RT: 26.67 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BE099721.D

Acq: 22 May 2019 15:46

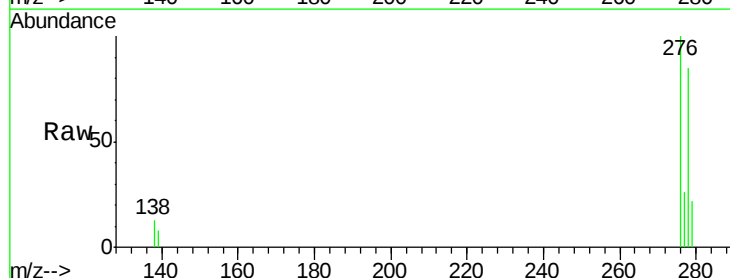
Tgt Ion:278 Resp: 21764

Ion Ratio Lower Upper

278 100

139 9.7 6.9 10.3

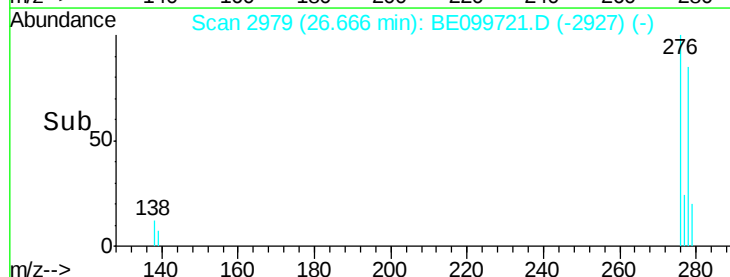
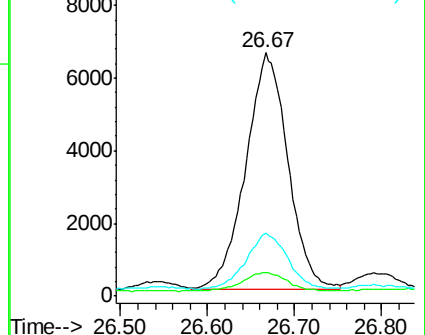
279 25.7 19.2 28.8

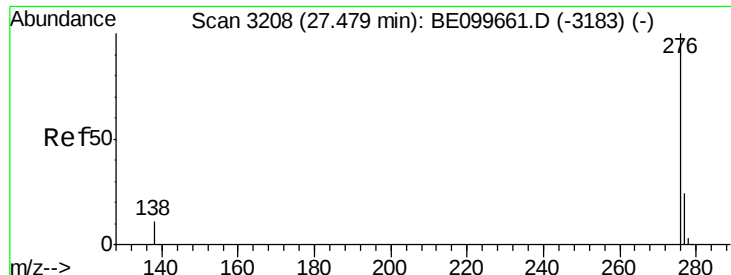


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.817 ng

RT: 27.47 min Scan# 3205

Delta R.T. -0.01 min

Lab File: BE099721.D

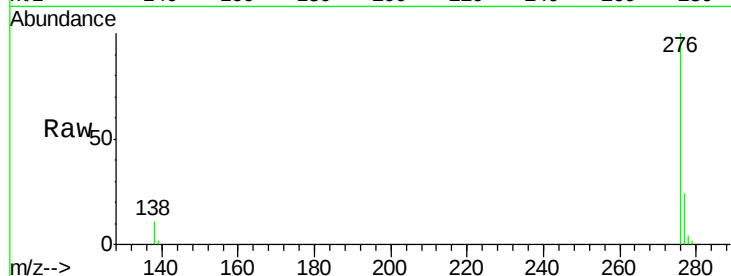
Acq: 22 May 2019 15:46

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MS



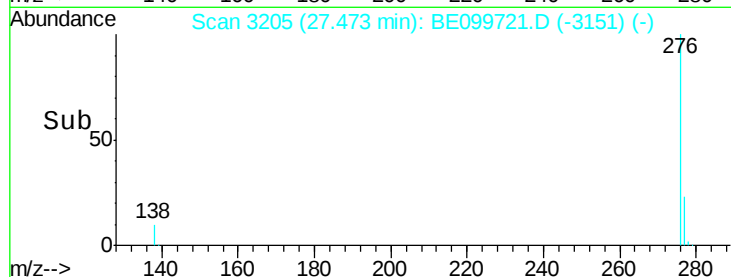
Tgt Ion: 276 Resp: 41131

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.6

138 10.8 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

