

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\
 Data File : BE099841.D
 Acq On : 7 Jun 2019 2:51
 Operator : JU/SJ
 Sample : K3136-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-24(6.5-7)MSD

Quant Time: Jun 07 05:19:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 05 14:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1305	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	4601	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	6149	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	10123	0.40	ng	0.01
27) Chrysene-d12	21.45	240	13357	0.40	ng	0.04
34) Perylene-d12	24.01	264	23077	0.40	ng	0.07

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1375	0.43	ng	0.01
5) Phenol-d6	6.97	99	2039	0.50	ng	0.01
8) Nitrobenzene-d5	8.97	82	1965	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	4230	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1238	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4660	0.20	ng	0.00
25) Fluoranthene-d10	19.28	212	46958	0.31	ng	0.02
29) Terphenyl-d14	19.90	244	1822	0.08	ng	0.05

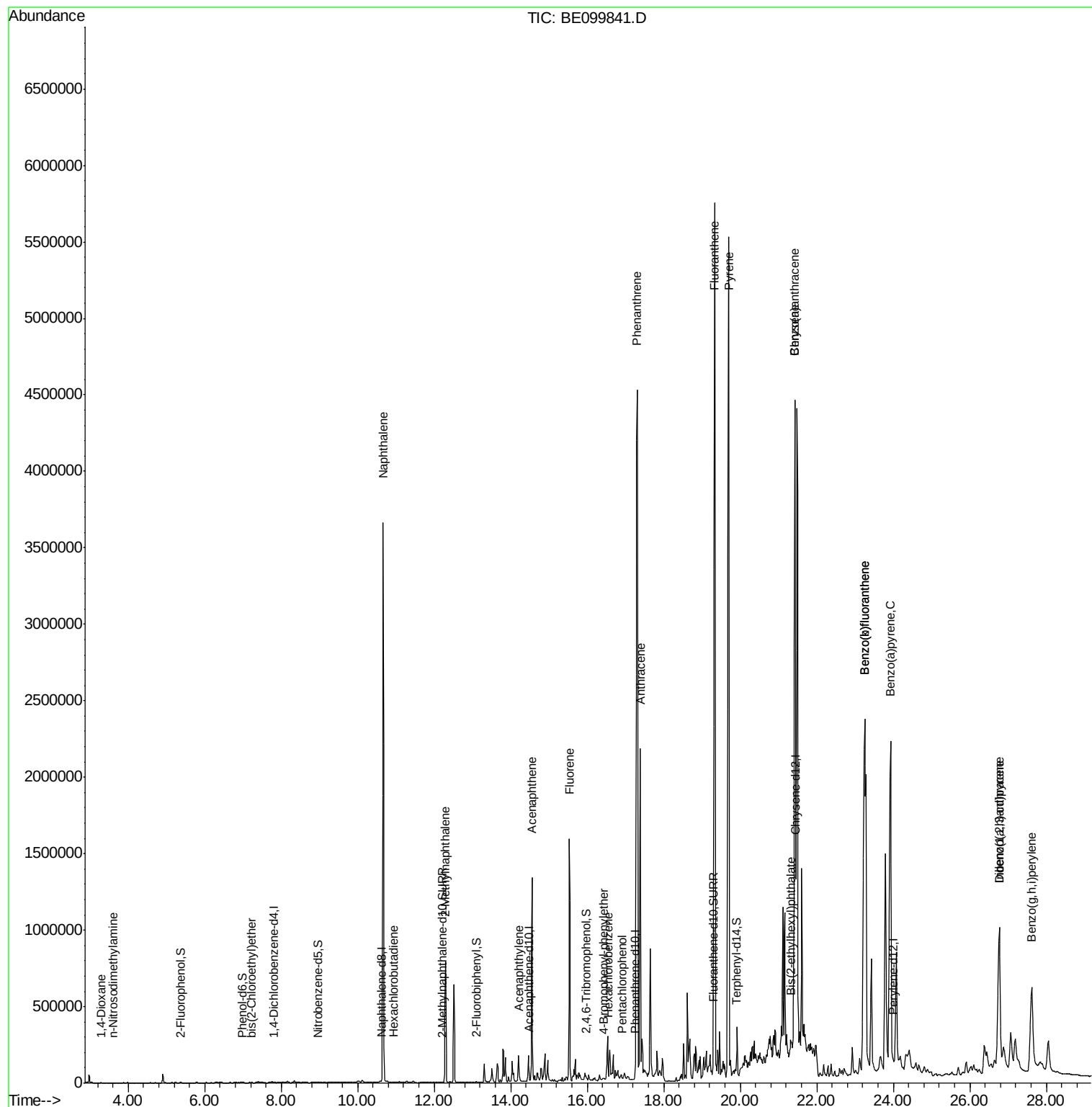
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	301	0.159	ng	# 69
3) n-Nitrosodimethylamine	3.61	42	258	0.257	ng	# 85
6) bis(2-Chloroethyl)ether	7.23	93	1395	0.390	ng	# 74
9) Naphthalene	10.67	128	6009526	122.340	ng	99
10) Hexachlorobutadiene	10.94	225	1144	0.306	ng	97
12) 2-Methylnaphthalene	12.30	142	530762	67.770	ng	98
16) Acenaphthylene	14.21	152	172781	5.824	ng	# 94
17) Acenaphthene	14.56	154	687362	42.327	ng	98
18) Fluorene	15.53	166	1278879	53.467	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	1927	0.341	ng	# 34
21) Hexachlorobenzene	16.55	284	1901	0.307	ng	# 74
22) Pentachlorophenol	16.91	266	2430	1.475	ng	88
23) Phenanthrene	17.31	178	6850887	283.579	ng	94
24) Anthracene	17.39	178	2711318	124.183	ng	99
26) Fluoranthene	19.34	202	8694532	205.379	ng	# 94
28) Pyrene	19.70	202	8352716	258.896	ng	# 76
30) Benzo(a)anthracene	21.43	228	5603160	151.841	ng	# 90
31) Chrysene	21.43	228	2710022	66.456	ng	93
32) Bis(2-ethylhexyl)phthalate	21.32	149	64214	1.516	ng	# 86
33) Indeno(1,2,3-cd)pyrene	26.77	276	2258121	46.223	ng	# 93
35) Benzo(b)fluoranthene	23.25	252	6290967	98.470	ng	# 96
36) Benzo(k)fluoranthene	23.25	252	6290967	92.758	ng	97
37) Benzo(a)pyrene	23.93	252	4754204	76.763	ng	# 93
38) Dibenzo(a,h)anthracene	26.77	278	535625	8.502	ng	# 87
39) Benzo(g,h,i)perylene	27.62	276	2013981	30.429	ng	# 96

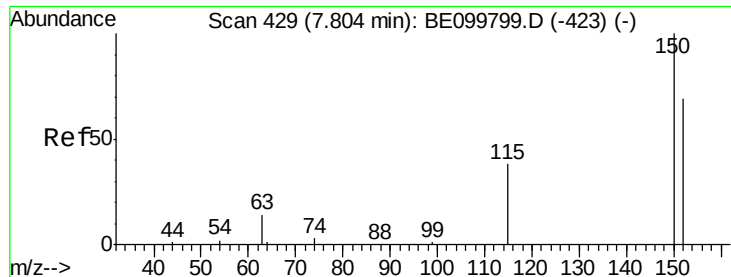
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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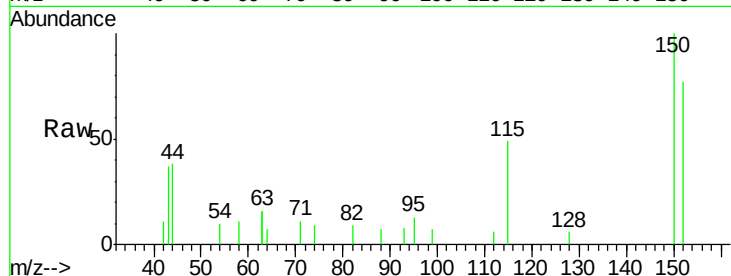


#1

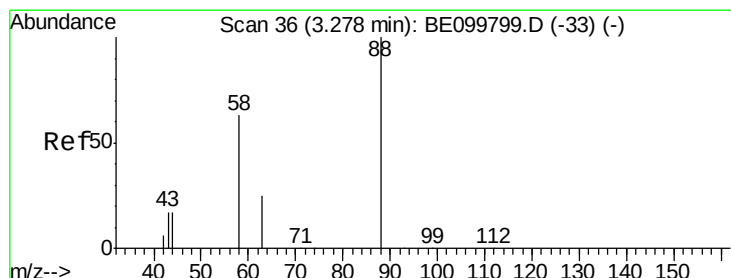
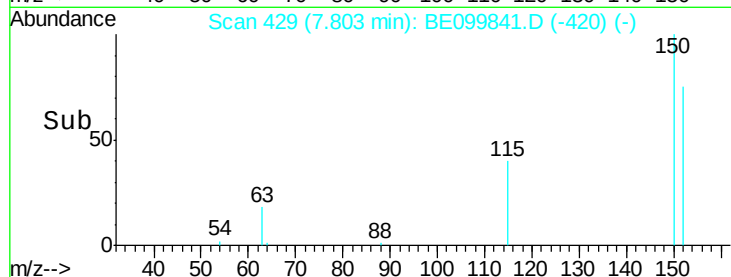
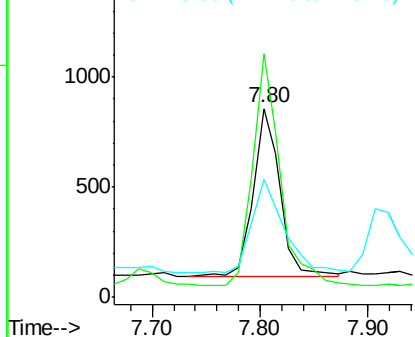
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.00 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion:152 Resp: 1305
Ion Ratio Lower Upper
152 100
150 129.1 112.8 169.2
115 62.6 47.6 71.4



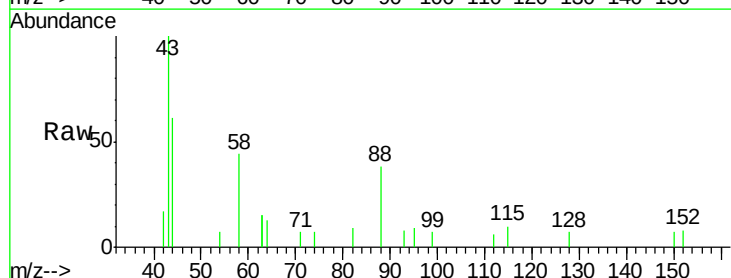
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



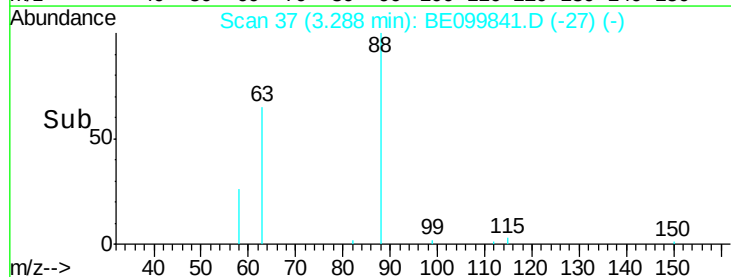
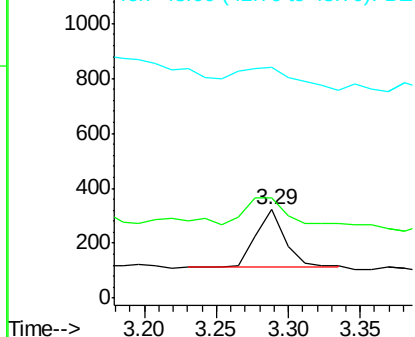
#2

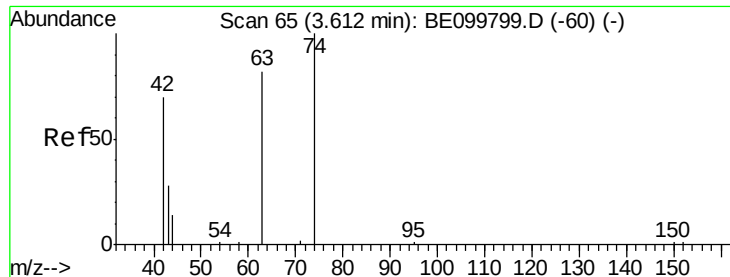
1,4-Dioxane
Concen: 0.159 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.01 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion: 88 Resp: 301
Ion Ratio Lower Upper
88 100
58 61.1 47.3 70.9
43 73.1 18.2 27.4#



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: 0.257 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

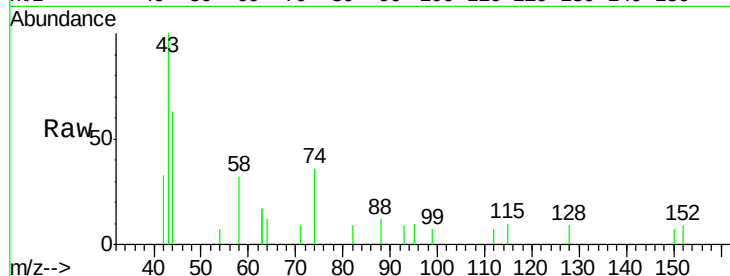
Tot Ion: 42 Resp: 258

Ion Ratio Lower Upper

42 100

74 184.5 132.6 198.8

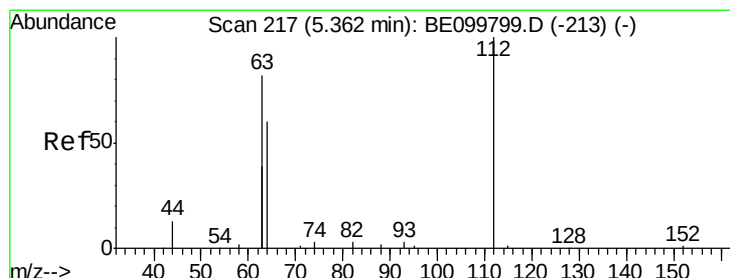
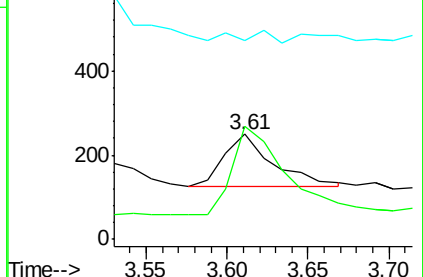
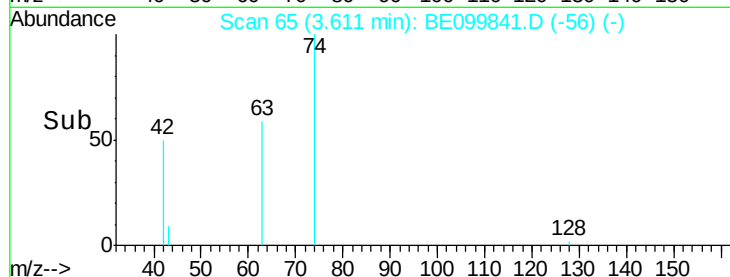
44 5.8 13.4 20.0#



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: 0.433 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

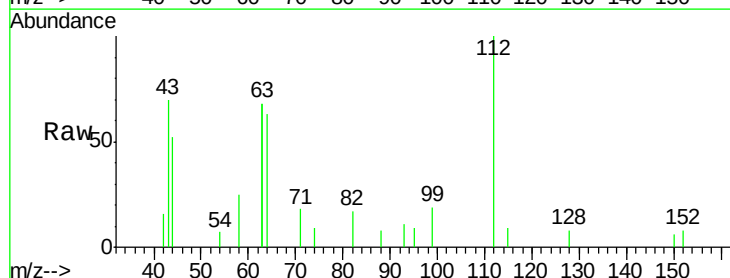
Tgt Ion: 112 Resp: 1375

Ion Ratio Lower Upper

112 100

64 51.8 47.2 70.8

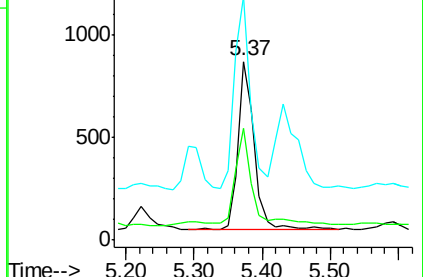
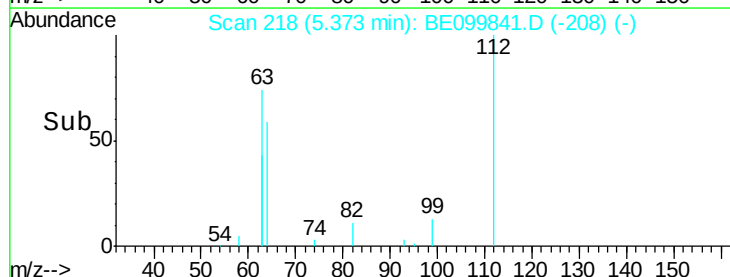
63 110.8 90.7 136.1

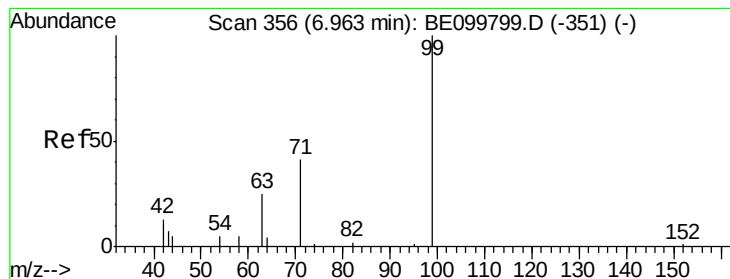


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.499 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

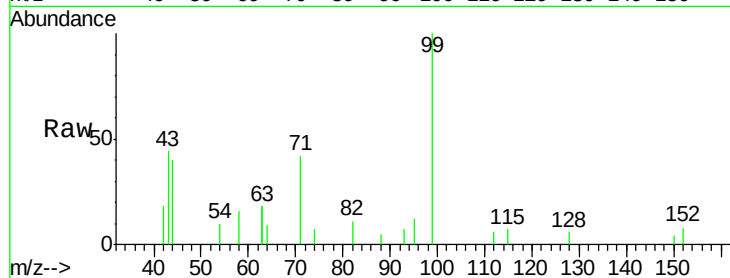
Tot Ion: 99 Resp: 2039

Ion Ratio Lower Upper

99 100

42 0.0 11.0 16.4#

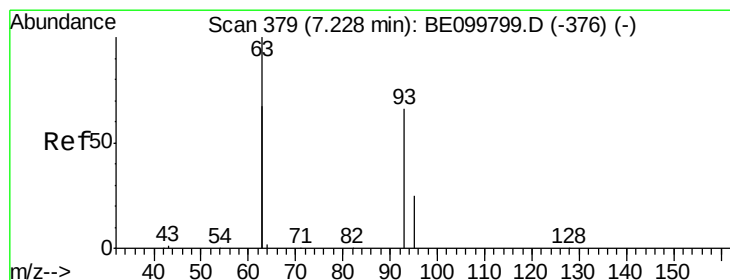
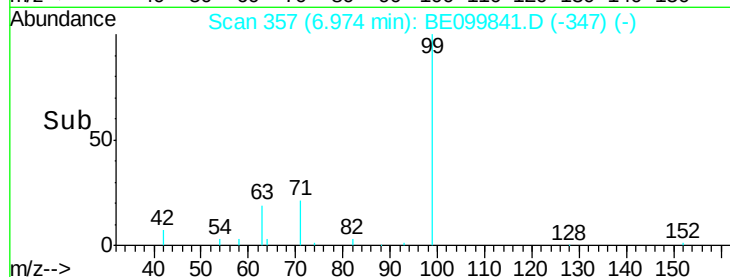
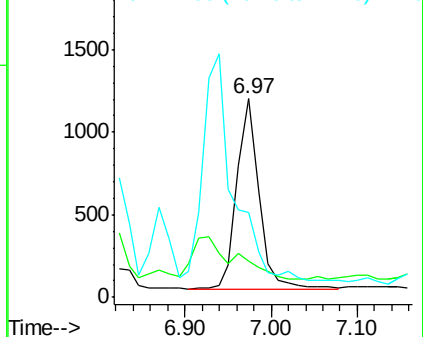
71 0.0 26.1 39.1#



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: 0.390 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

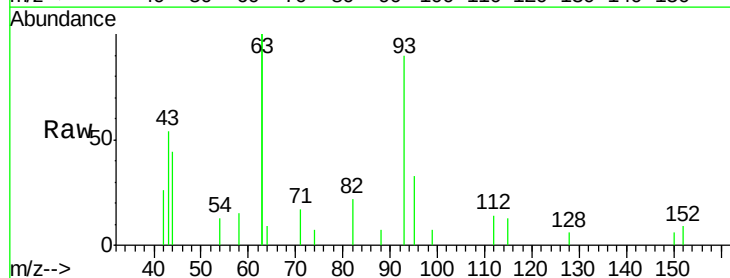
Tgt Ion: 93 Resp: 1395

Ion Ratio Lower Upper

93 100

63 212.0 208.8 313.2

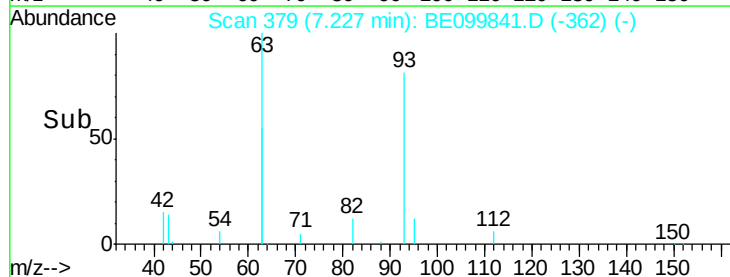
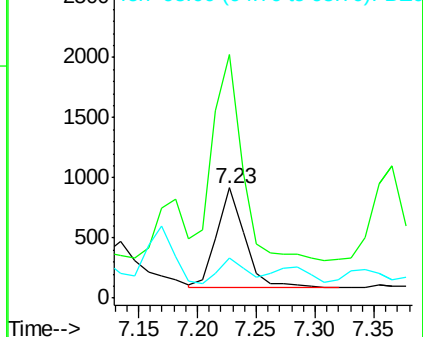
95 22.9 27.6 41.4#

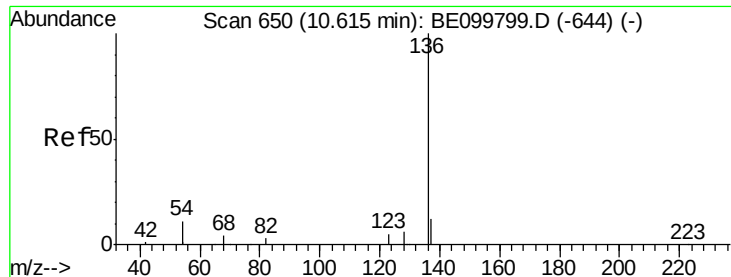


Abundance Ion 93.00 (92.70 to 93.70): BE0

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# 651

Delta R.T. 0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

Tot Ion:136 Resp: 4601

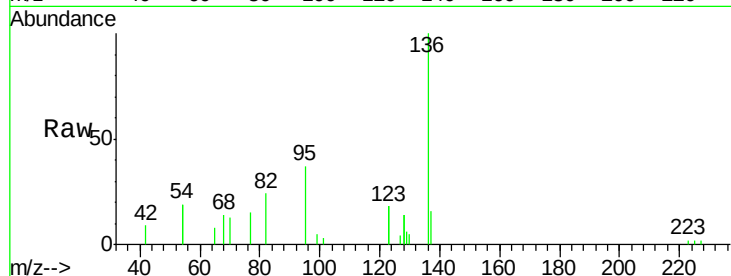
Ion Ratio Lower Upper

136 100

137 15.9 11.1 16.7

54 38.1 17.9 26.9#

68 14.1 5.4 8.0#

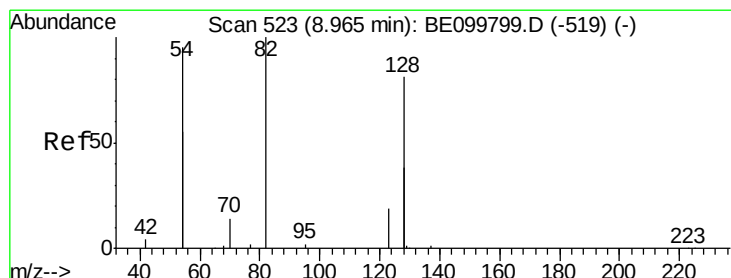
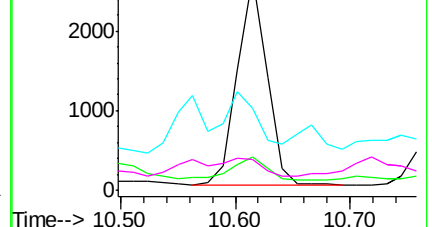
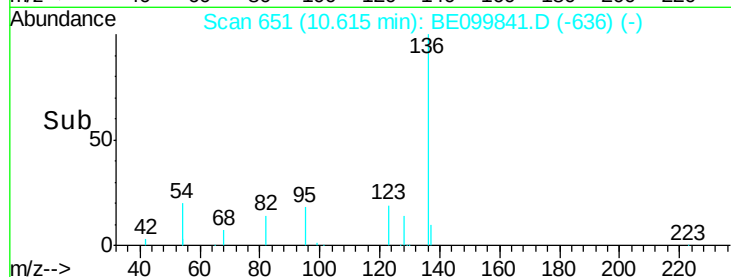


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.486 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

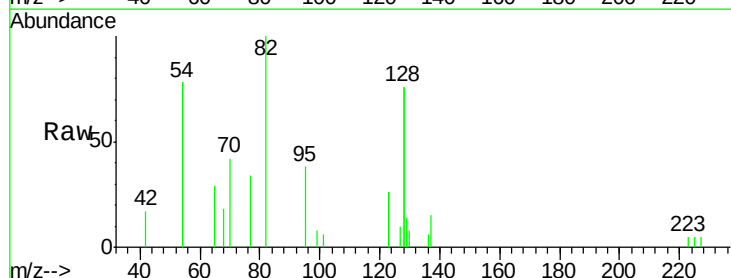
Tgt Ion: 82 Resp: 1965

Ion Ratio Lower Upper

82 100

128 151.2 116.6 175.0

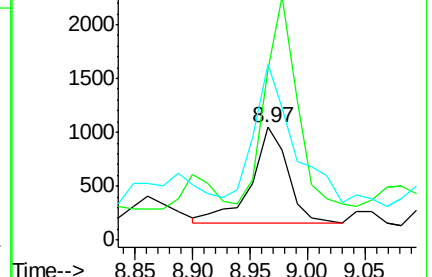
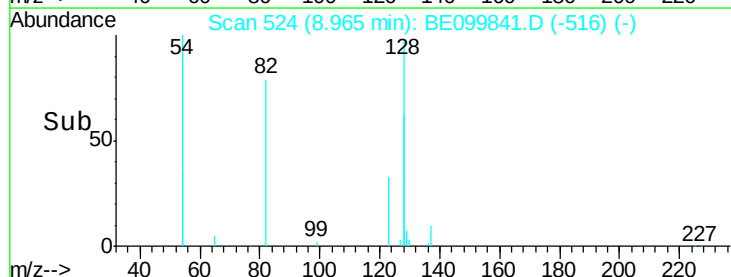
54 155.6 136.2 204.4

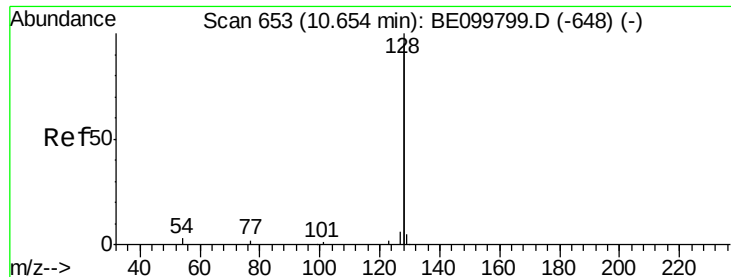


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 122.340 ng

RT: 10.67 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE099841.D

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Instrument :

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ClientSampleId :

FESB-24(6.5-7)MSD

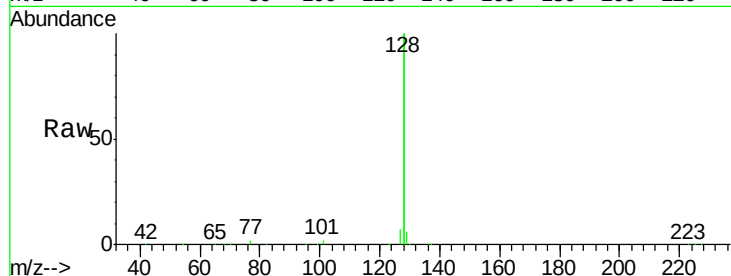
Tot Ion:128 Resp: 6009526

Ion Ratio Lower Upper

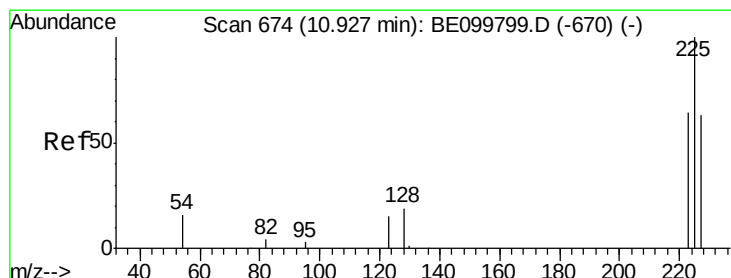
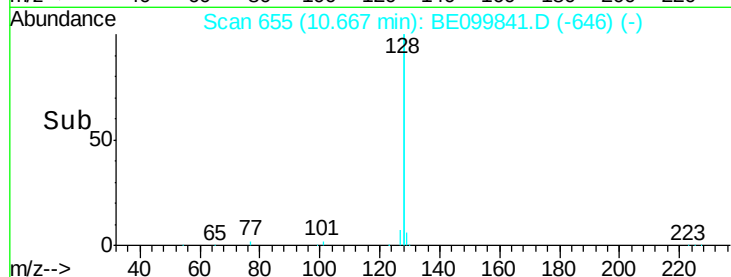
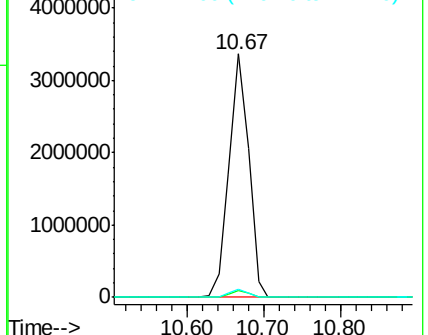
128 100

129 2.8 2.6 4.0

127 3.5 3.0 4.6



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: 0.306 ng

RT: 10.94 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

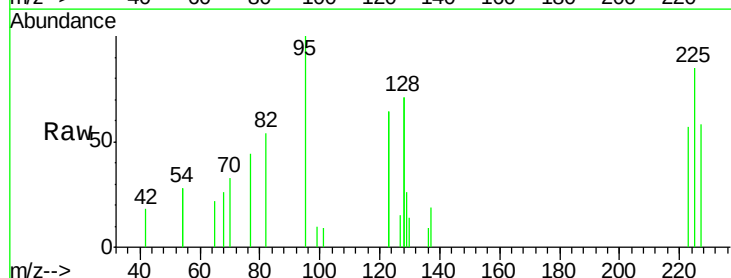
Tgt Ion:225 Resp: 1144

Ion Ratio Lower Upper

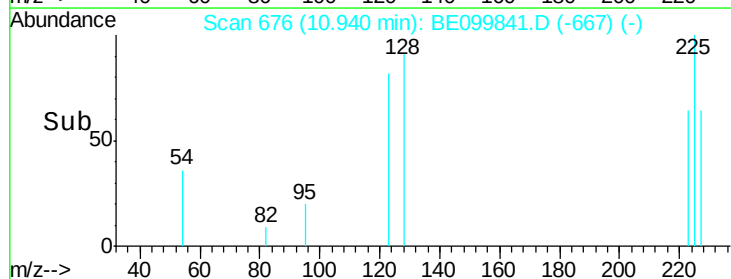
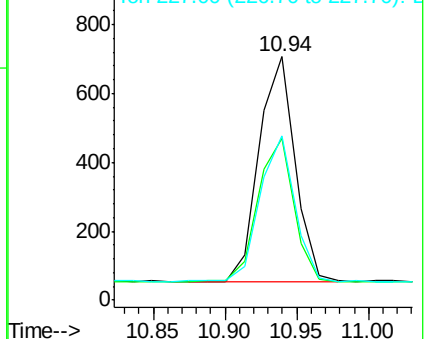
225 100

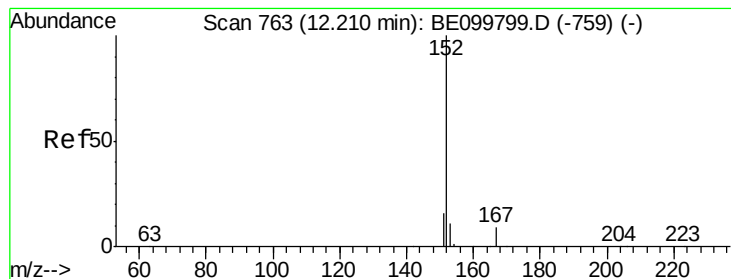
223 63.3 48.6 72.8

227 62.4 51.6 77.4



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: 0.535 ng

RT: 12.21 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

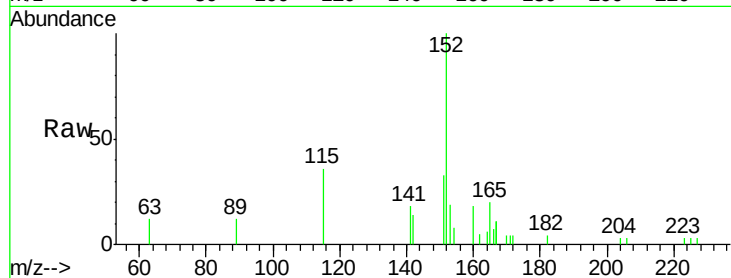
FESB-24(6.5-7)MSD

Tot Ion:152 Resp: 4230

Ion Ratio Lower Upper

152 100

151 26.3 15.8 23.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

2000

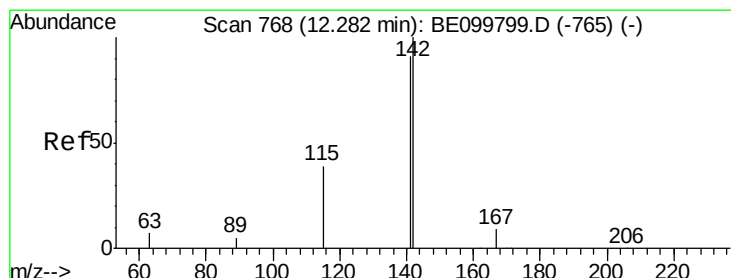
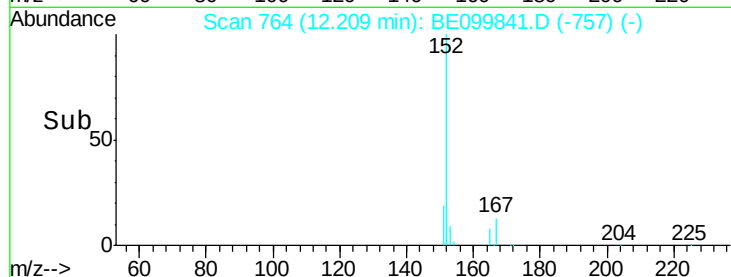
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 67.770 ng

RT: 12.30 min Scan# 770

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

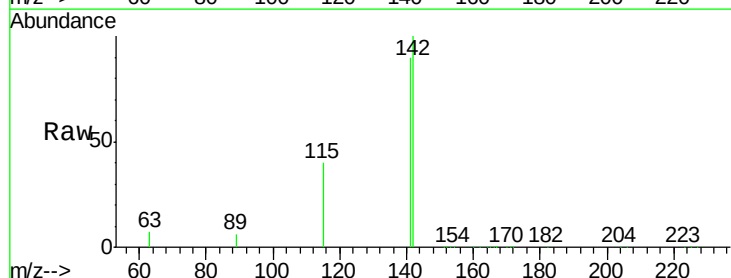
Tgt Ion:142 Resp: 530762

Ion Ratio Lower Upper

142 100

141 89.9 73.3 109.9

115 40.2 33.4 50.2



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

400000

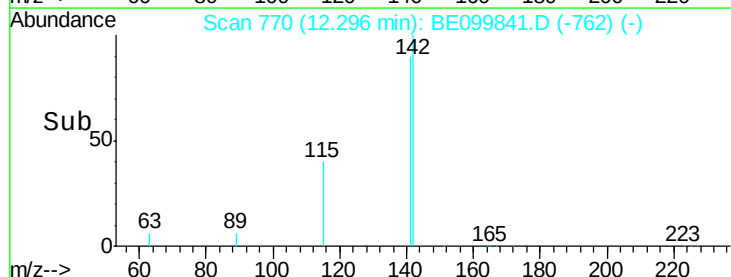
300000

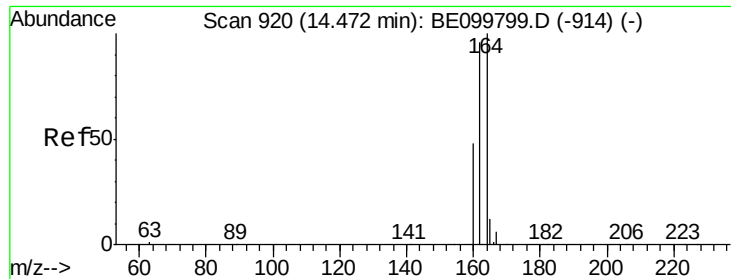
200000

100000

0

Time-->

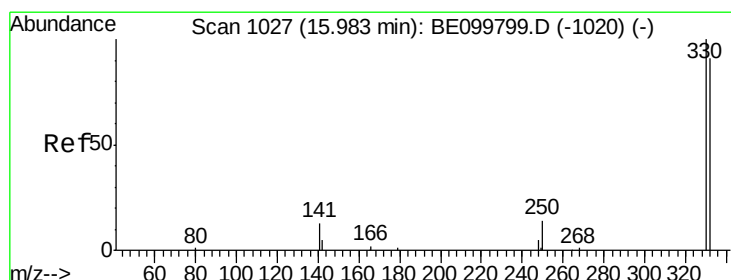
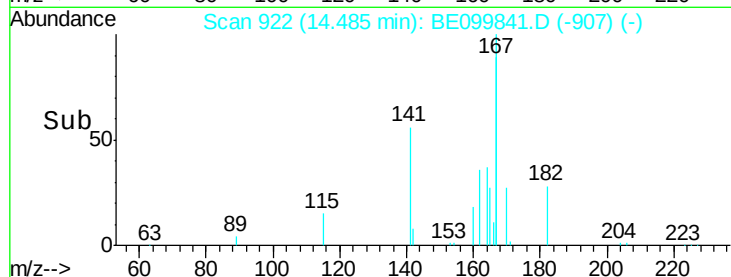
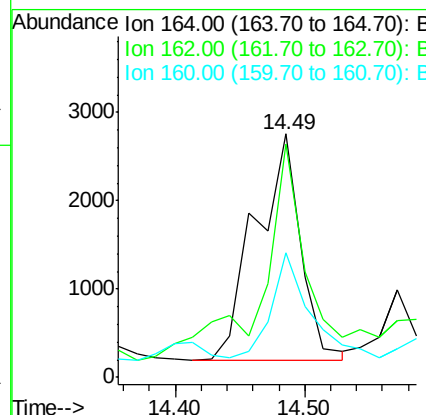
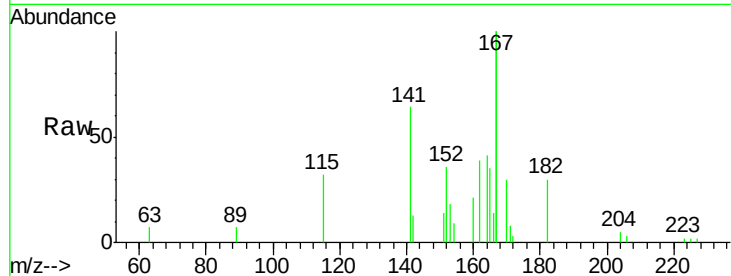




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 922
Delta R.T. 0.01 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

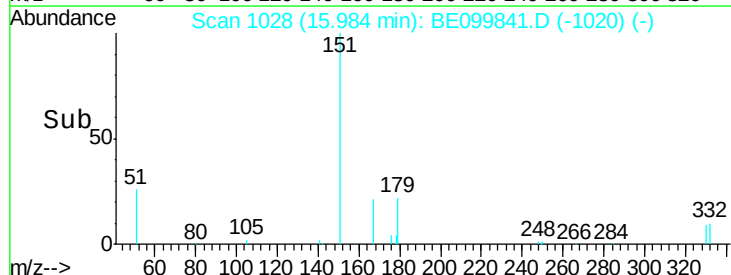
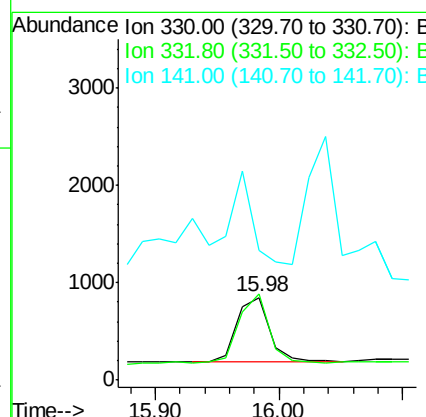
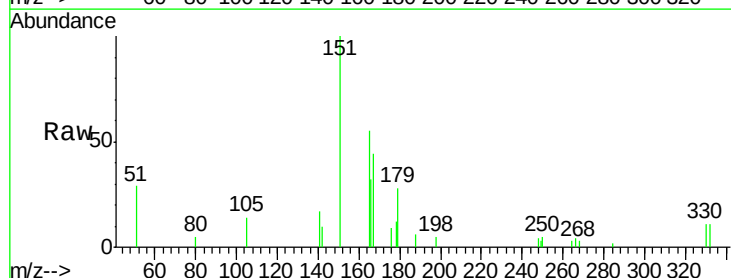
Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

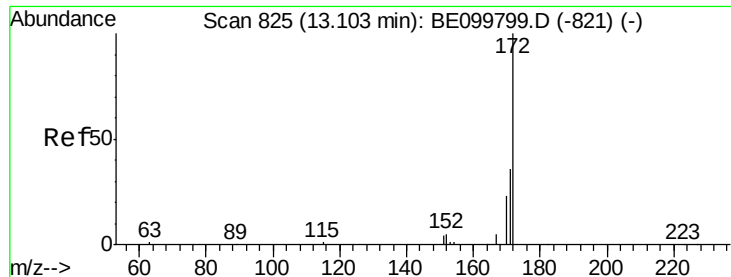
Tot Ion:164 Resp: 6149
Ion Ratio Lower Upper
164 100
162 95.8 77.2 115.8
160 51.1 39.4 59.2



#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 15.98 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion:330 Resp: 1238
Ion Ratio Lower Upper
330 100
332 95.8 74.9 112.3
141 93.3 16.0 24.0#

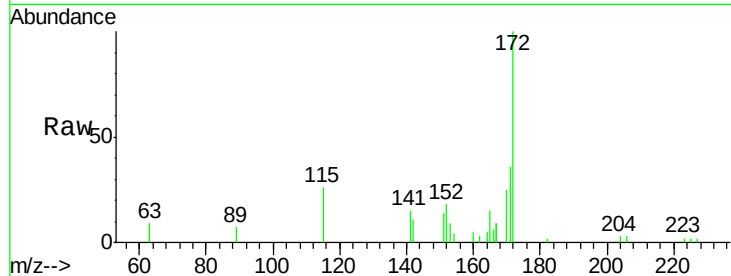




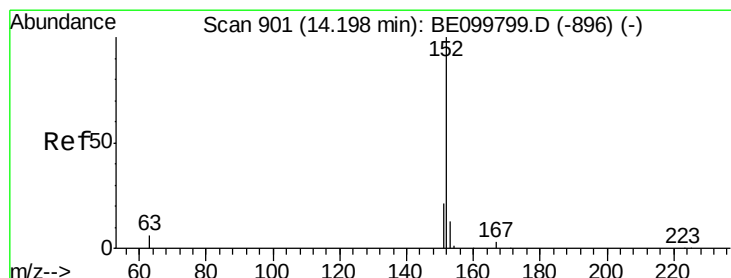
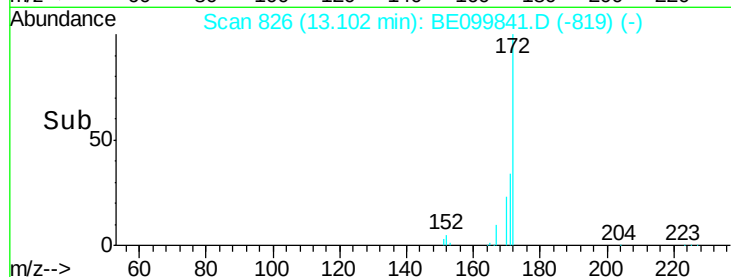
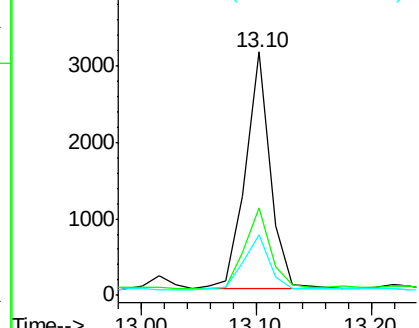
#15
2-Fluorobiphenyl
Concen: 0.204 ng
RT: 13.10 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion:172 Resp: 4660
Ion Ratio Lower Upper
172 100
171 36.1 30.2 45.4
170 24.7 20.1 30.1

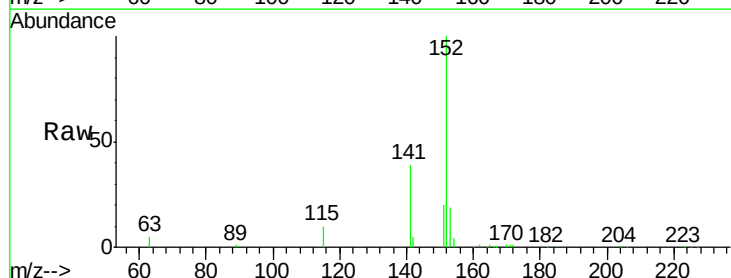


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

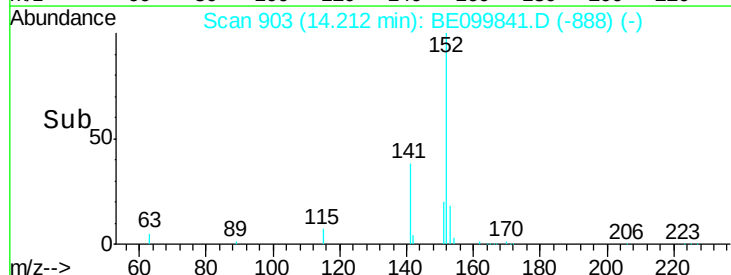
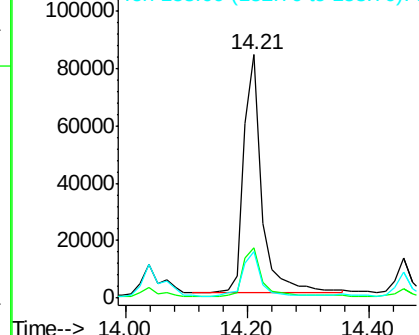


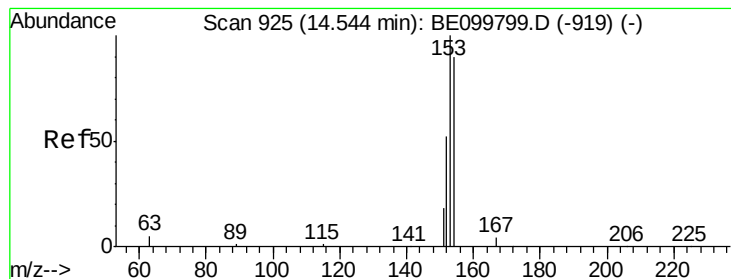
#16
Acenaphthylene
Concen: 5.824 ng
RT: 14.21 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion:152 Resp: 172781
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 18.8 10.8 16.2#



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: 42.327 ng

RT: 14.56 min Scan# 927

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

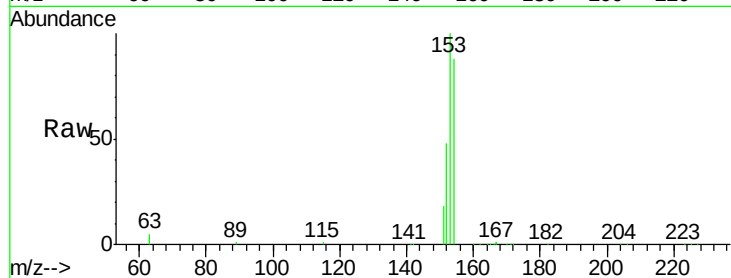
Tot Ion:154 Resp: 687362

Ion Ratio Lower Upper

154 100

153 116.5 93.8 140.6

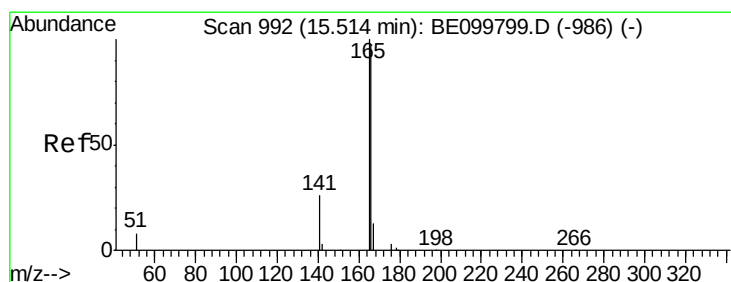
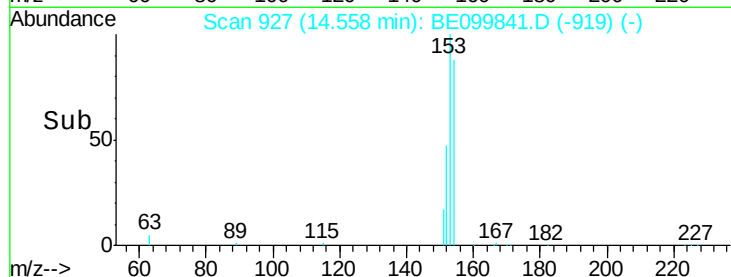
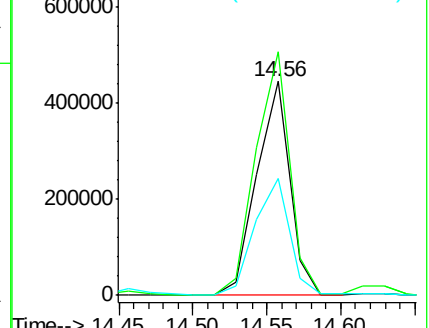
152 57.2 48.3 72.5



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: 53.467 ng

RT: 15.53 min Scan# 994

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

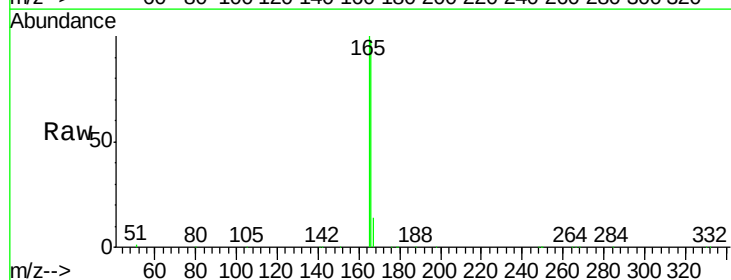
Tgt Ion:166 Resp: 1278879

Ion Ratio Lower Upper

166 100

165 101.9 80.4 120.6

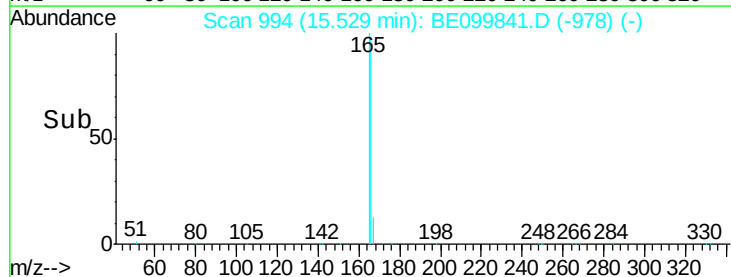
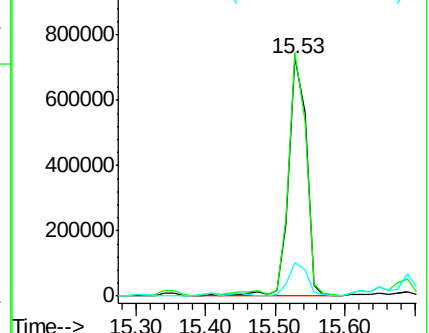
167 14.7 10.7 16.1

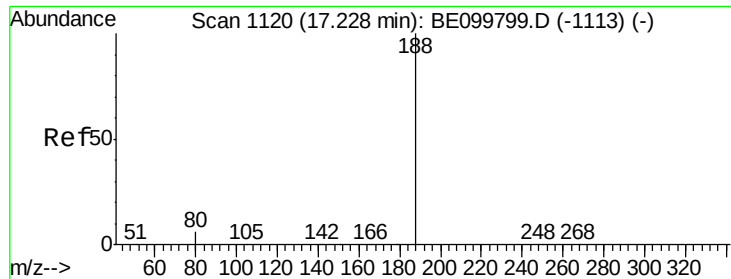


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

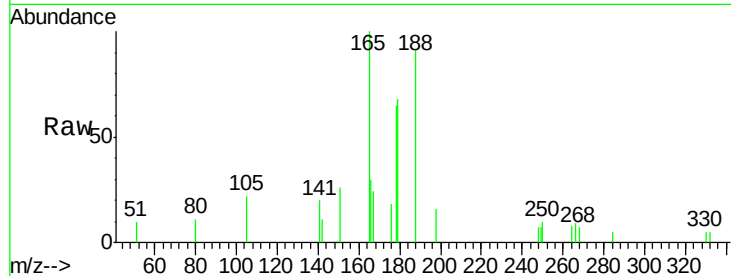
Tot Ion:188 Resp: 10123

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

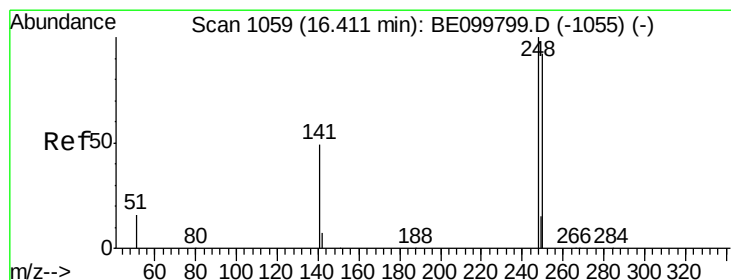
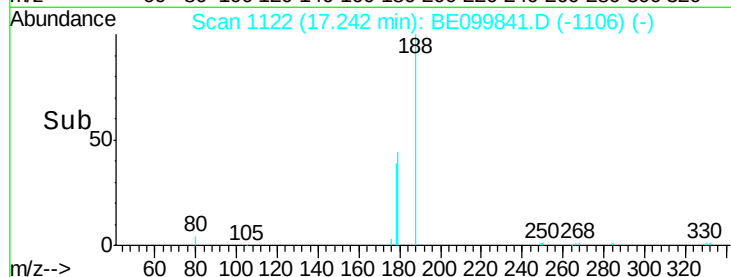
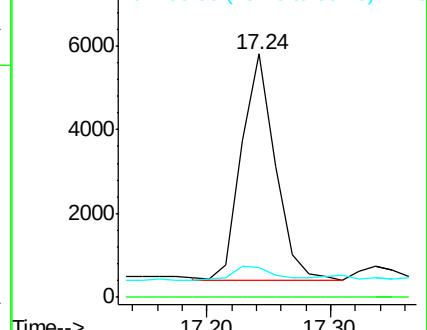
80 12.4 5.2 7.8#



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: 0.341 ng

RT: 16.43 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

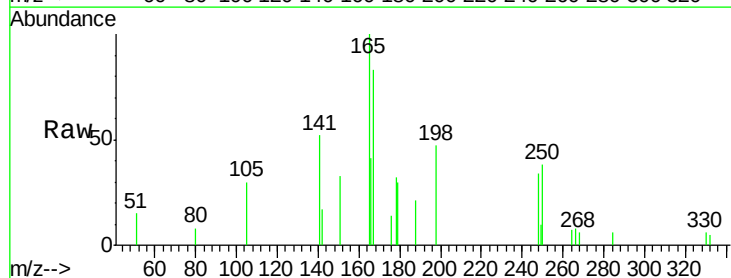
Tgt Ion:248 Resp: 1927

Ion Ratio Lower Upper

248 100

250 112.5 73.7 110.5#

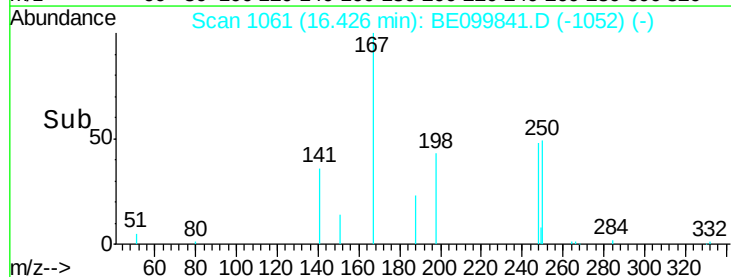
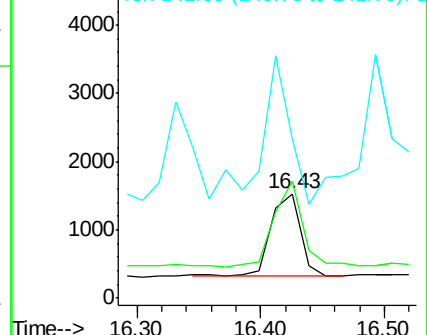
141 152.5 40.9 61.3#

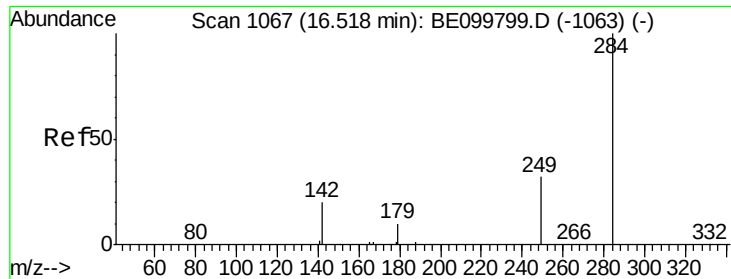


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.307 ng

RT: 16.55 min Scan# 1070

Delta R.T. 0.03 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

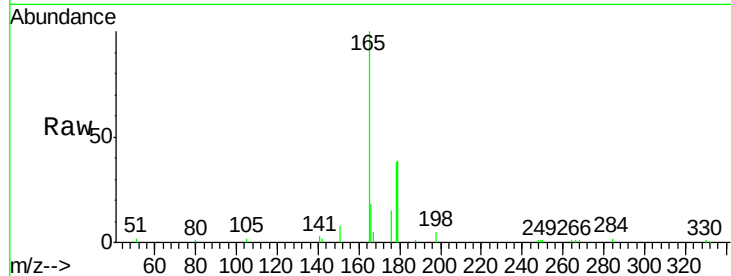
Tot Ion:284 Resp: 1901

Ion Ratio Lower Upper

284 100

142 0.0 16.2 24.4#

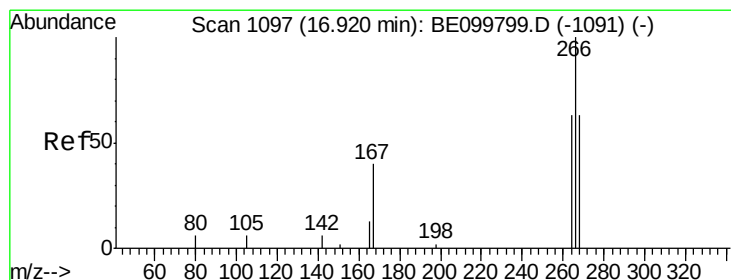
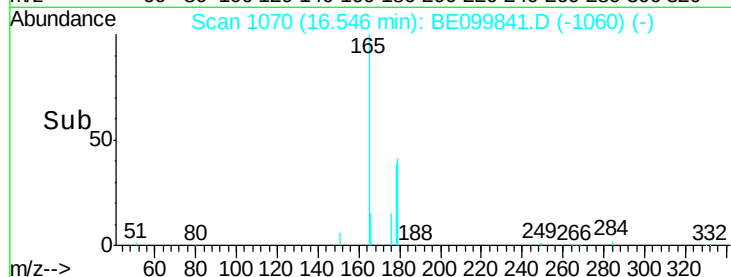
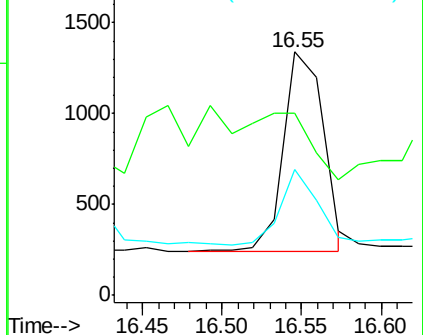
249 36.0 23.1 34.7#



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: 1.475 ng

RT: 16.91 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

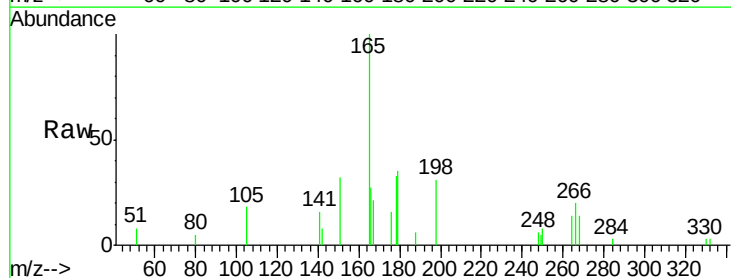
Tgt Ion:266 Resp: 2430

Ion Ratio Lower Upper

266 100

264 70.1 64.9 97.3

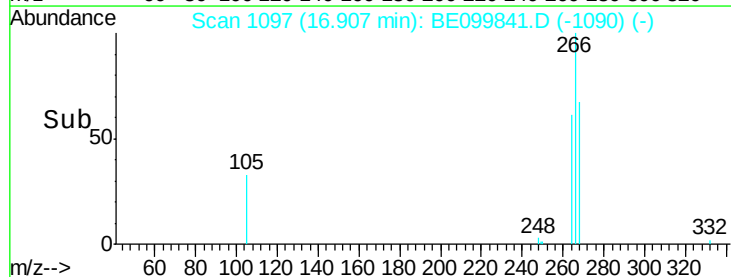
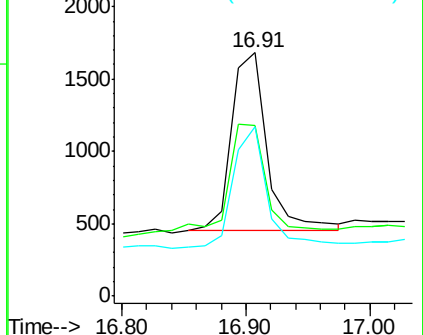
268 69.6 64.0 96.0

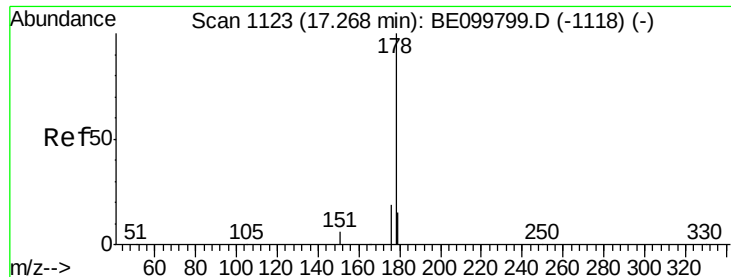


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 283.579 ng

RT: 17.31 min Scan# 1127

Delta R.T. 0.04 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

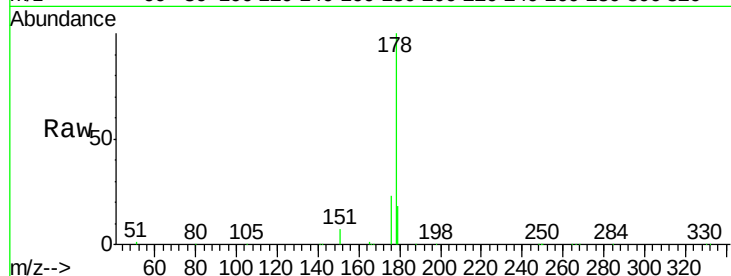
BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

Tot Ion:178 Resp: 6850887

Ion	Ratio	Lower	Upper
178	100		
176	22.5	15.4	23.0
179	17.5	12.5	18.7

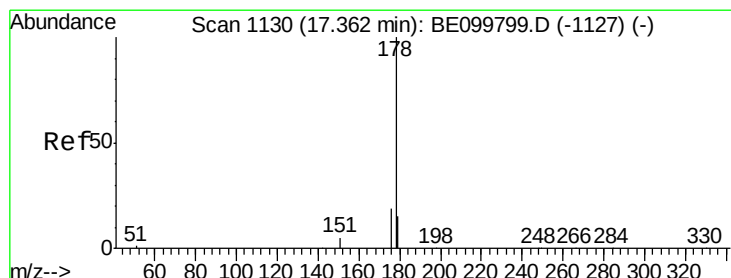
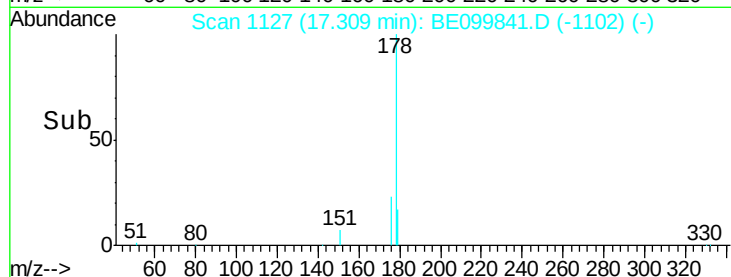
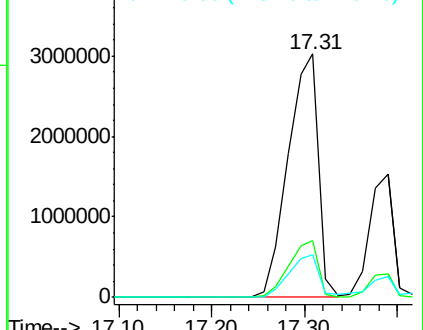


Abundance

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: 124.183 ng

RT: 17.39 min Scan# 1133

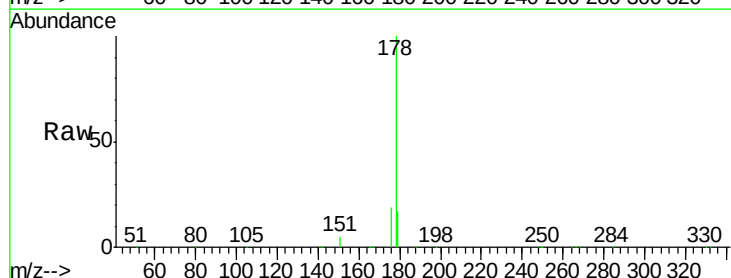
Delta R.T. 0.03 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Tgt Ion:178 Resp: 2711318

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.2	12.1	18.1

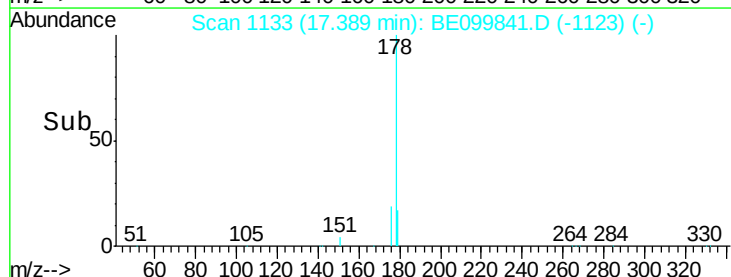
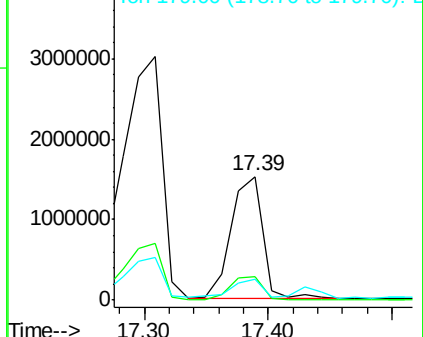


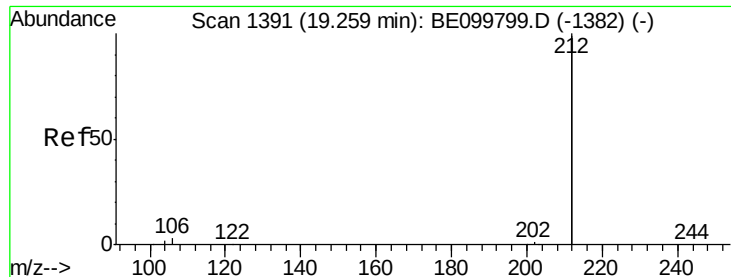
Abundance

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: 0.312 ng

RT: 19.28 min Scan# 1396

Delta R.T. 0.02 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

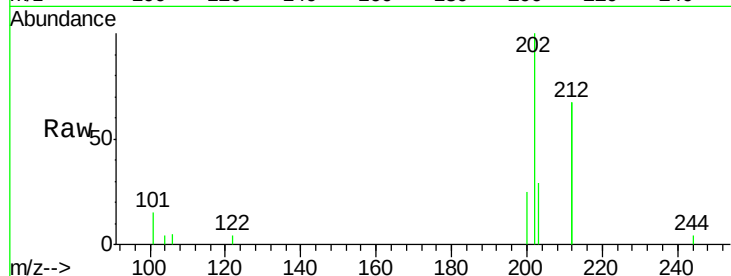
Tot Ion:212 Resp: 46958

Ion Ratio Lower Upper

212 100

106 1.1 1.4 2.0#

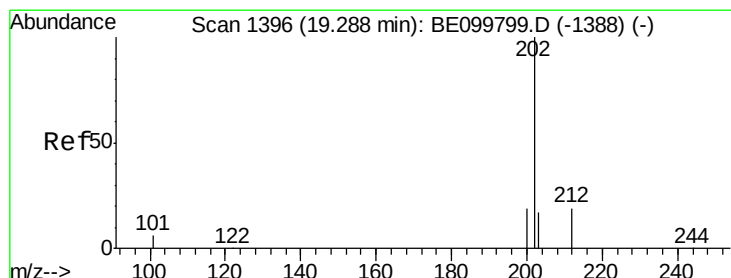
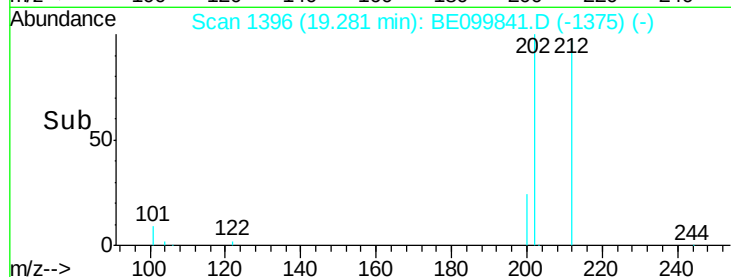
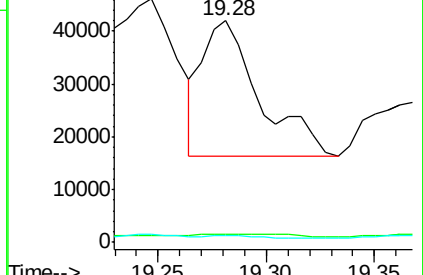
104 1.4 0.8 1.2#



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: 205.379 ng

RT: 19.34 min Scan# 1406

Delta R.T. 0.05 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

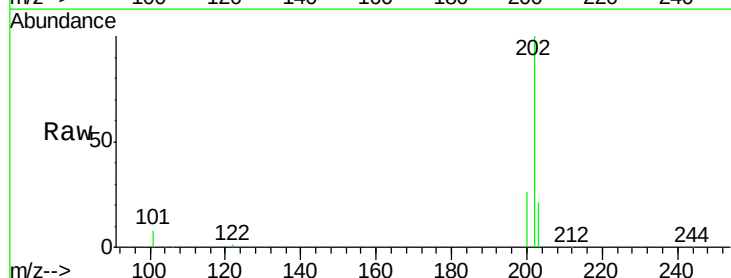
Tgt Ion:202 Resp: 8694532

Ion Ratio Lower Upper

202 100

101 8.3 5.2 7.8#

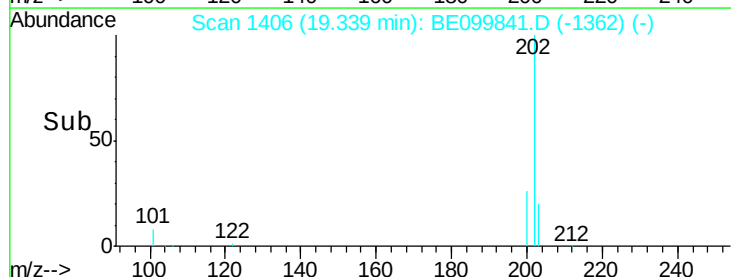
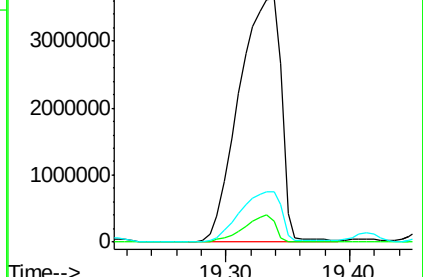
203 19.9 13.6 20.4

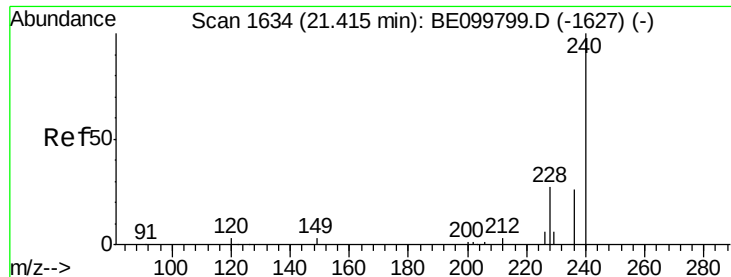


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

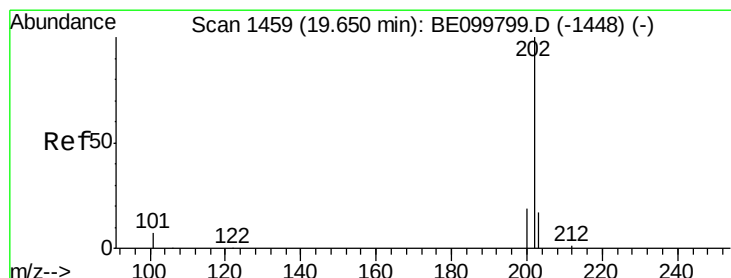
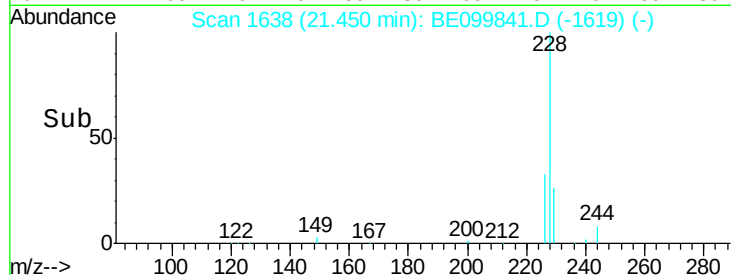
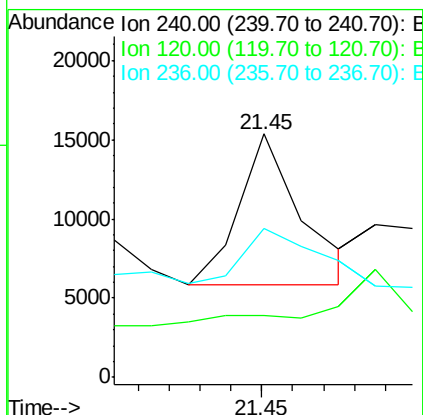
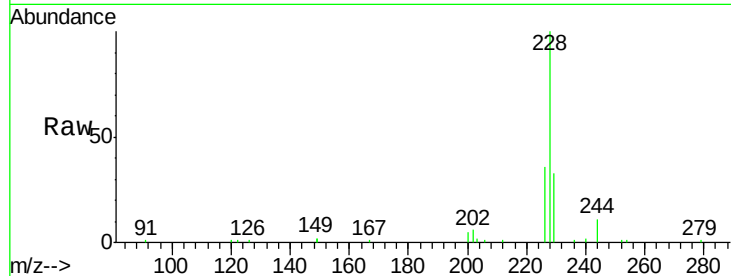




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.45 min Scan# 1638
 Delta R.T. 0.04 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

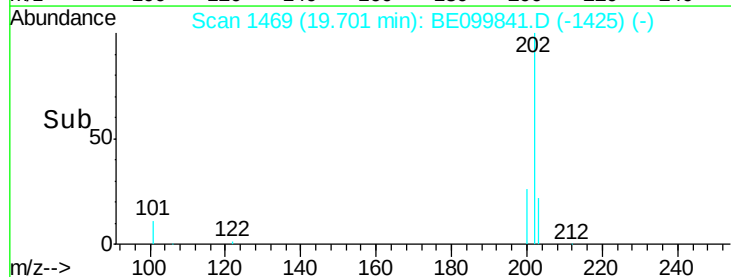
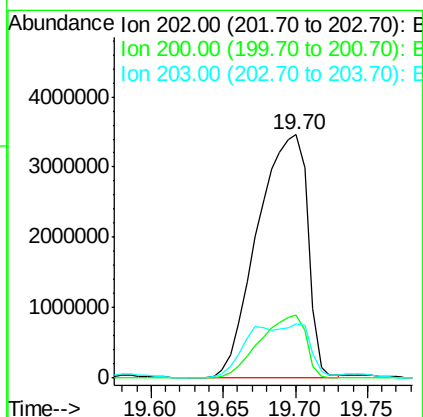
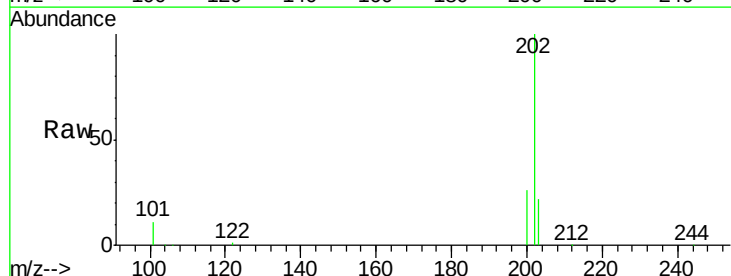
Instrument :
 BNA_E
 ClientSampleId :
 FESB-24(6.5-7)MSD

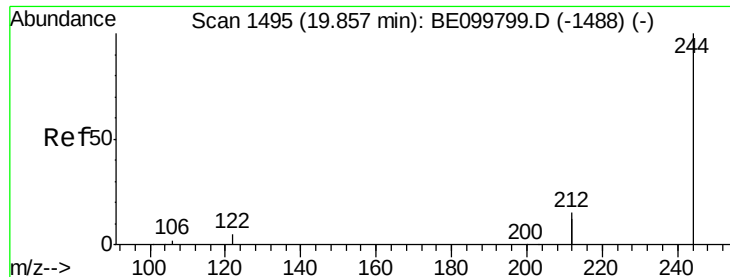
Tot Ion:240 Resp: 13357
 Ion Ratio Lower Upper
 240 100
 120 25.5 2.8 4.2#
 236 61.0 20.9 31.3#



#28
 Pyrene
 Concen: 258.896 ng
 RT: 19.70 min Scan# 1469
 Delta R.T. 0.05 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Tgt Ion:202 Resp: 8352716
 Ion Ratio Lower Upper
 202 100
 200 23.9 15.6 23.4#
 203 0.0 14.1 21.1#





#29

Terphenyl-d14

Concen: 0.083 ng

RT: 19.90 min Scan# 1504

Delta R.T. 0.05 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

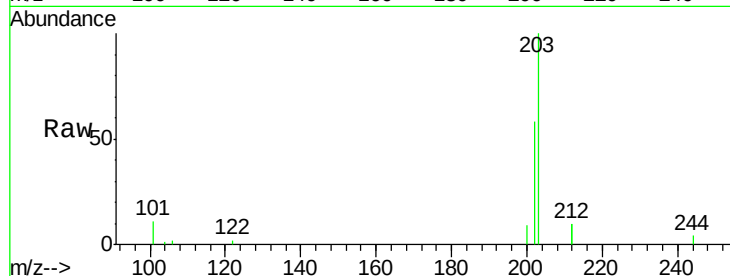
Tot Ion:244 Resp: 1822

Ion Ratio Lower Upper

244 100

212 442.5 23.7 35.5#

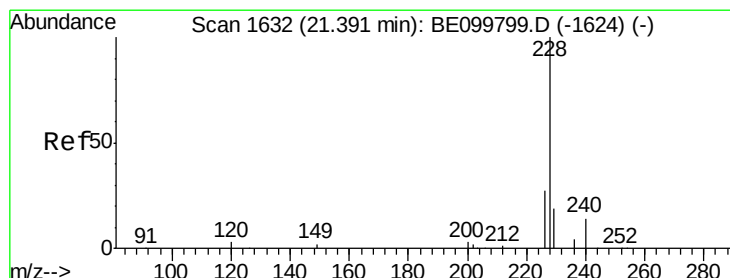
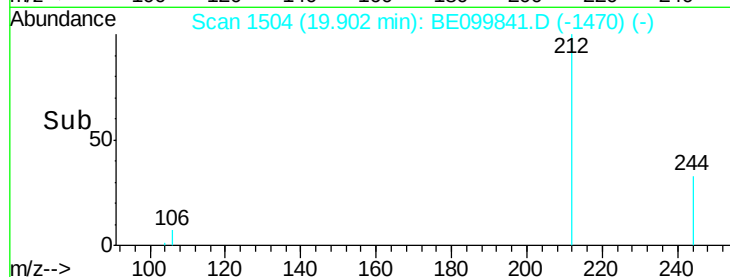
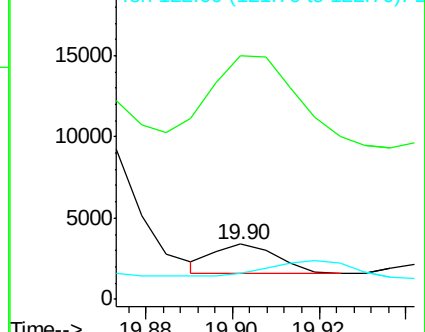
122 47.2 4.8 7.2#



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: 151.841 ng

RT: 21.43 min Scan# 1636

Delta R.T. 0.04 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

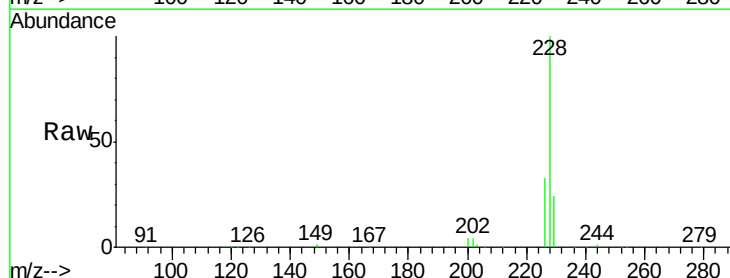
Tgt Ion:228 Resp: 5603160

Ion Ratio Lower Upper

228 100

226 32.6 21.6 32.4#

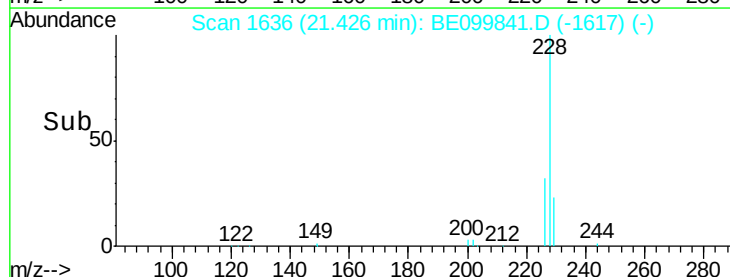
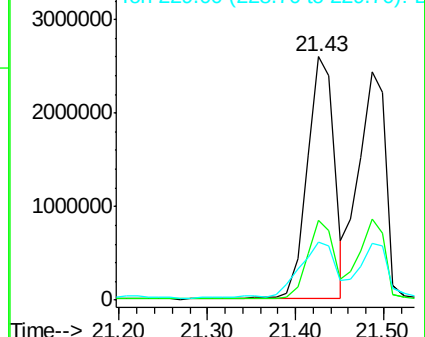
229 23.7 15.8 23.6#

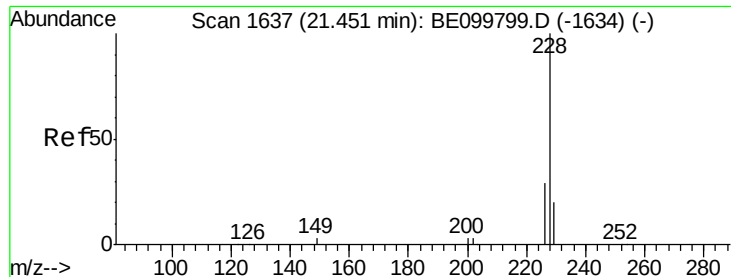


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 66.456 ng

RT: 21.43 min Scan# 1636

Delta R.T. -0.02 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

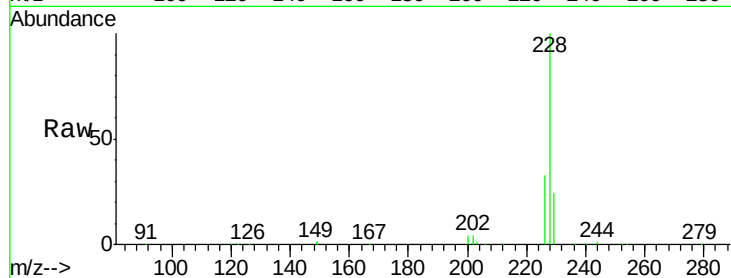
Tot Ion:228 Resp: 2710022

Ion Ratio Lower Upper

228 100

226 32.6 22.9 34.3

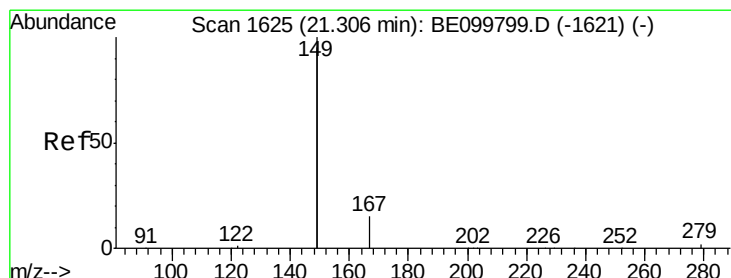
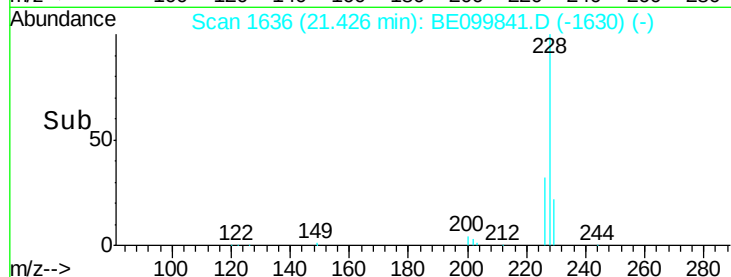
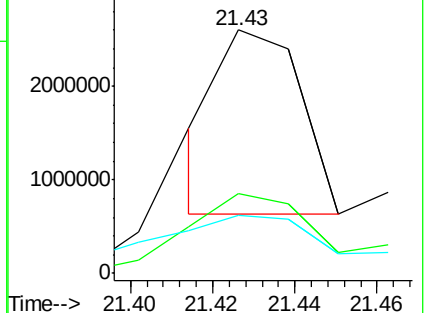
229 23.7 16.4 24.6



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: 1.516 ng

RT: 21.32 min Scan# 1627

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

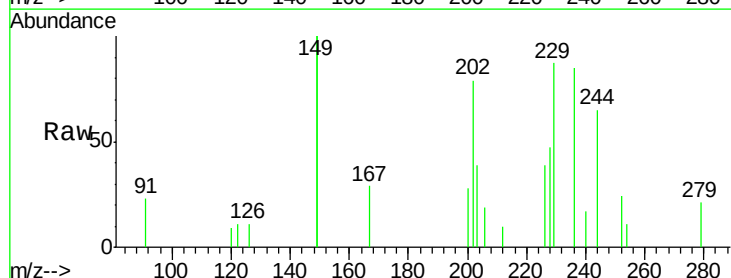
Tgt Ion:149 Resp: 64214

Ion Ratio Lower Upper

149 100

167 13.0 6.0 9.0#

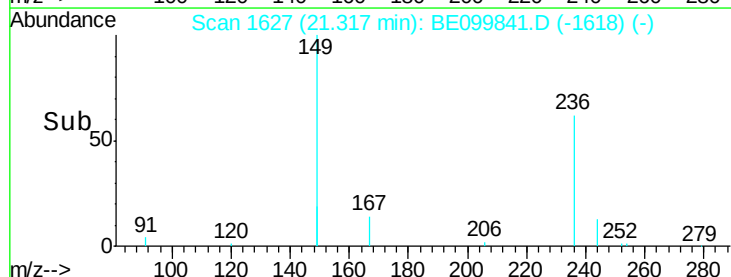
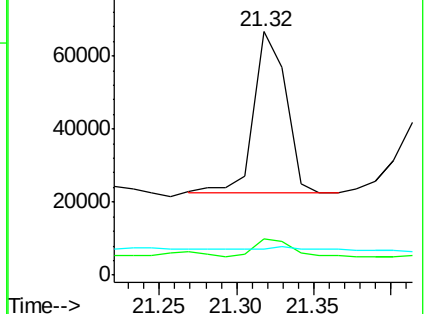
279 0.0 1.2 1.8#

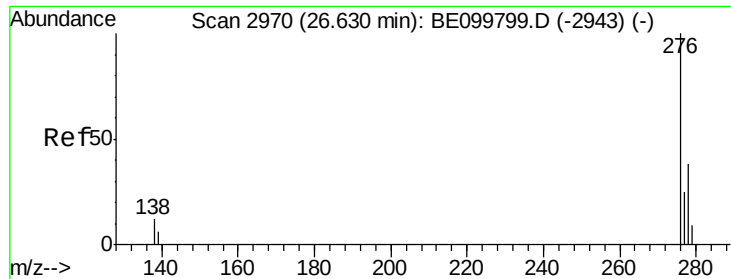


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

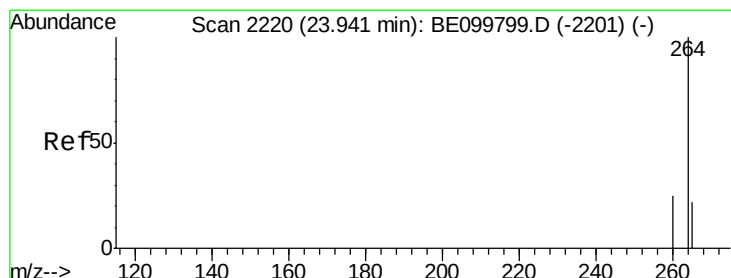
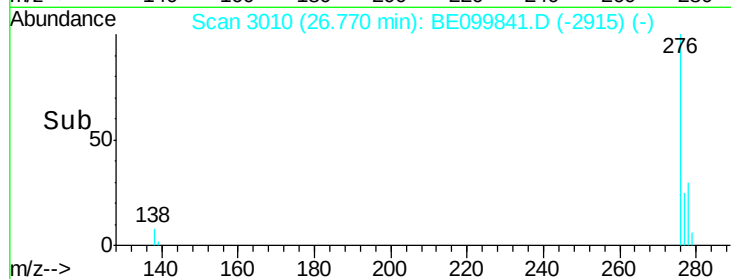
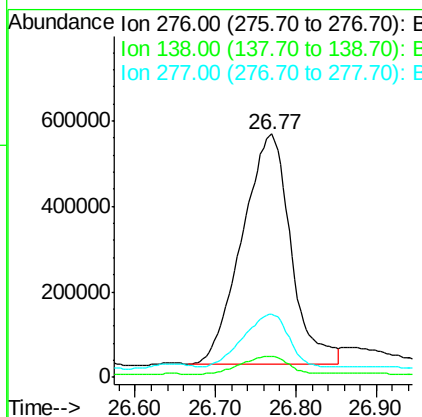
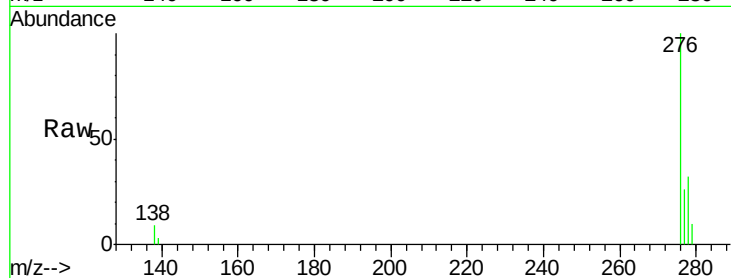




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 46.223 ng
 RT: 26.77 min Scan# 3010
 Delta R.T. 0.14 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

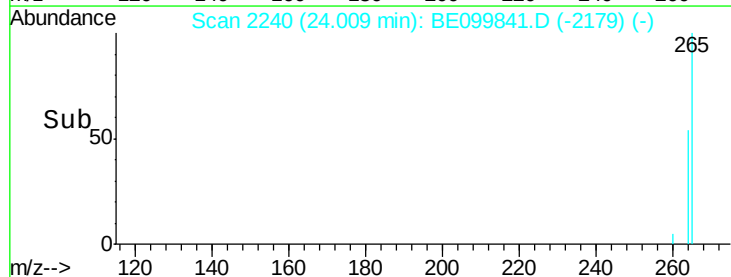
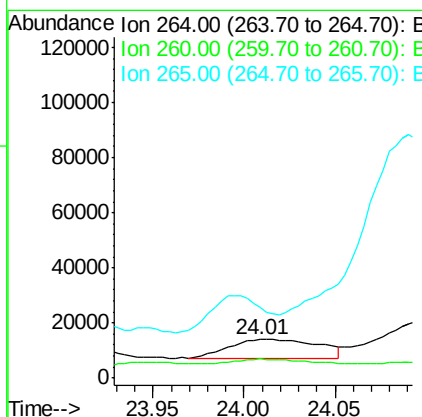
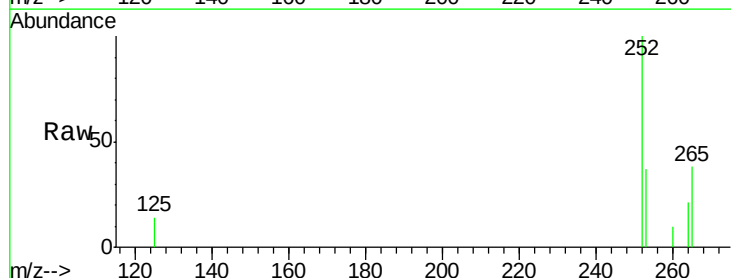
Instrument :
 BNA_E
 ClientSampleId :
 FESB-24(6.5-7)MSD

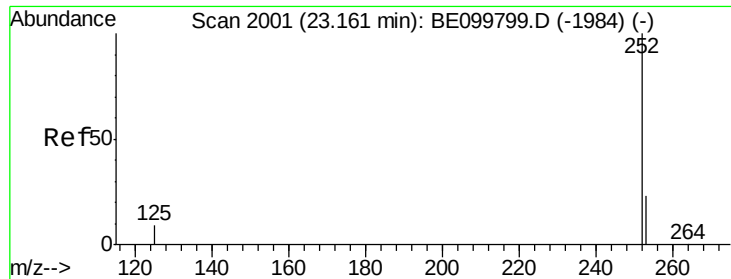
Tot Ion:276 Resp: 2258121
 Ion Ratio Lower Upper
 276 100
 138 7.7 10.3 15.5#
 277 22.4 19.4 29.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2240
 Delta R.T. 0.07 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Tgt Ion:264 Resp: 23077
 Ion Ratio Lower Upper
 264 100
 260 49.1 20.0 30.0#
 265 182.7 20.7 31.1#





#35

Benzo(b)fluoranthene

Concen: 98.470 ng

RT: 23.25 min Scan# 2027

Delta R.T. 0.09 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

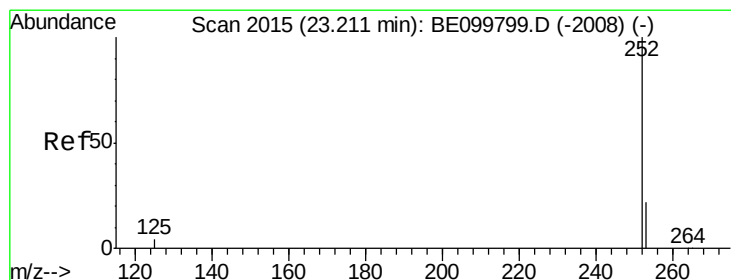
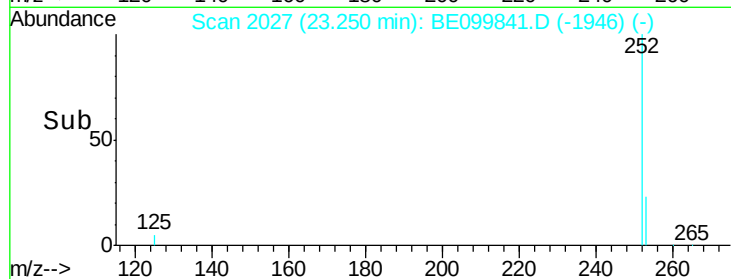
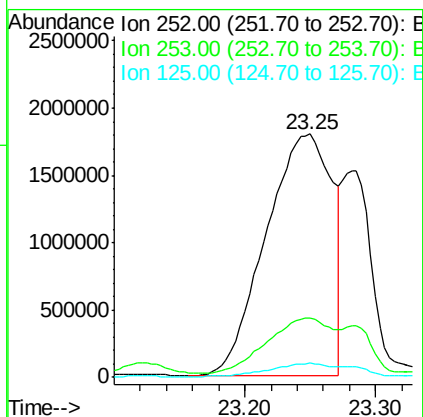
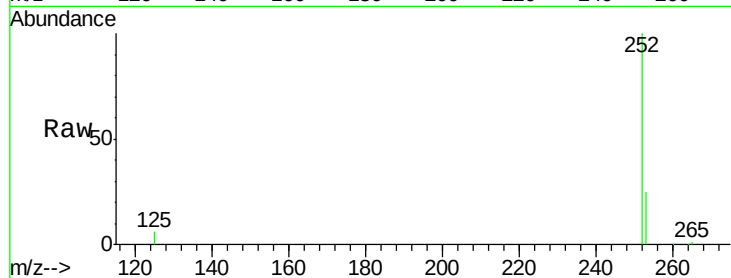
Tot Ion:252 Resp: 6290967

Ion Ratio Lower Upper

252 100

253 24.6 18.9 28.3

125 5.8 7.6 11.4#



#36

Benzo(k)fluoranthene

Concen: 92.758 ng

RT: 23.25 min Scan# 2027

Delta R.T. 0.04 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

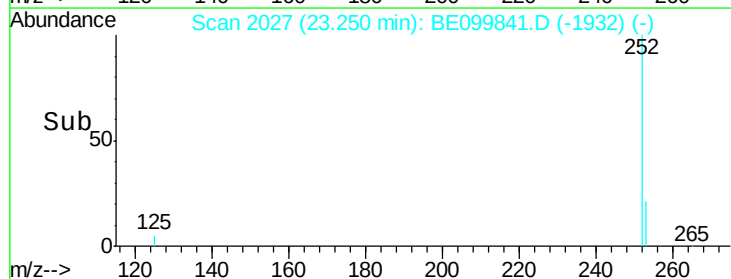
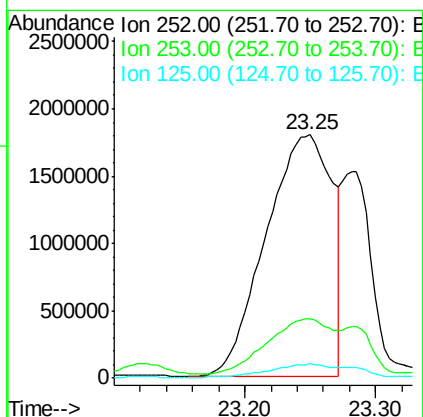
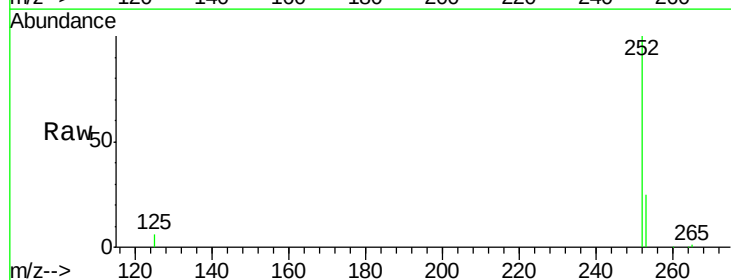
Tgt Ion:252 Resp: 6290967

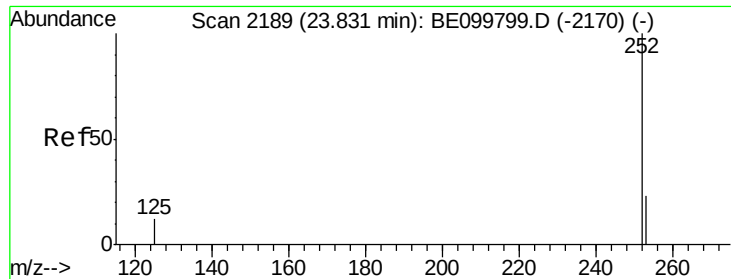
Ion Ratio Lower Upper

252 100

253 24.6 18.4 27.6

125 5.8 4.6 7.0





#37

Benzo(a)pyrene

Concen: 76.763 ng

RT: 23.93 min Scan# 2217

Delta R.T. 0.10 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

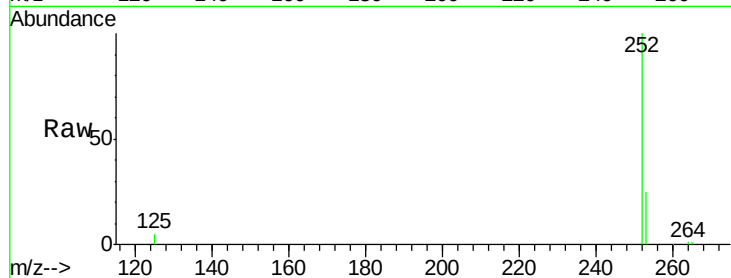
Tot Ion:252 Resp: 4754204

Ion Ratio Lower Upper

252 100

253 24.7 19.3 28.9

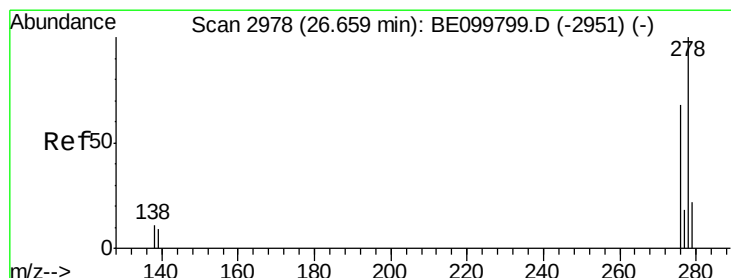
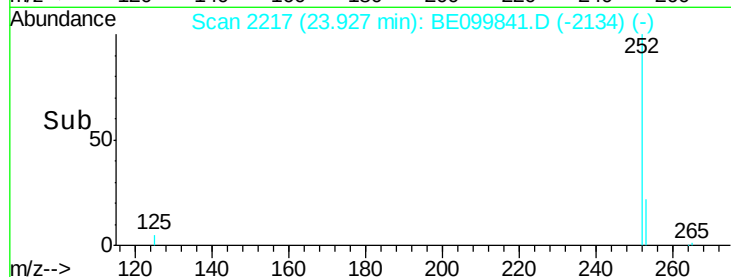
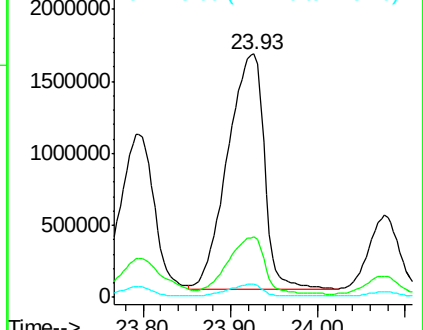
125 5.4 10.2 15.4#



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: 8.502 ng

RT: 26.77 min Scan# 3011

Delta R.T. 0.11 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

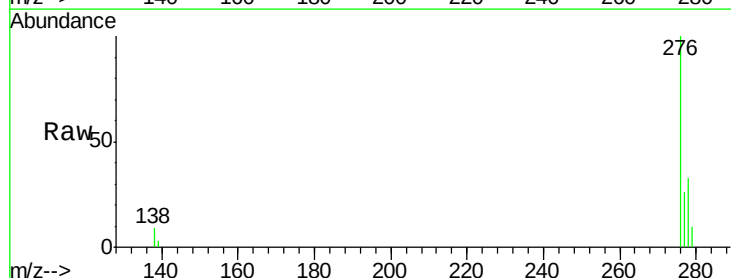
Tgt Ion:278 Resp: 535625

Ion Ratio Lower Upper

278 100

139 8.0 7.9 11.9

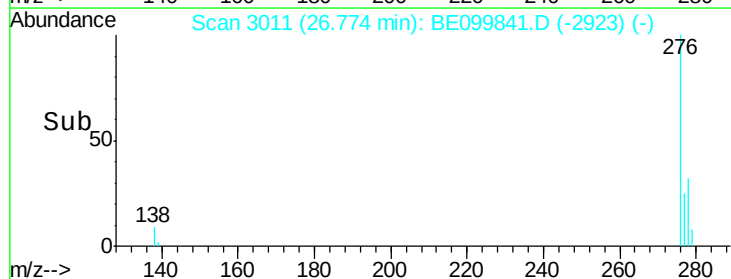
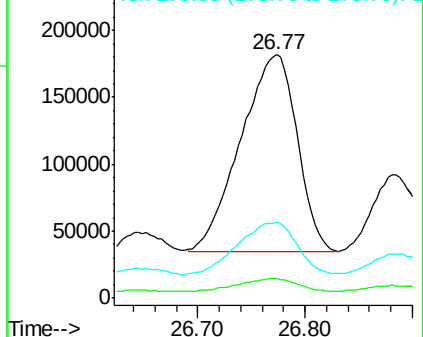
279 30.9 18.5 27.7#

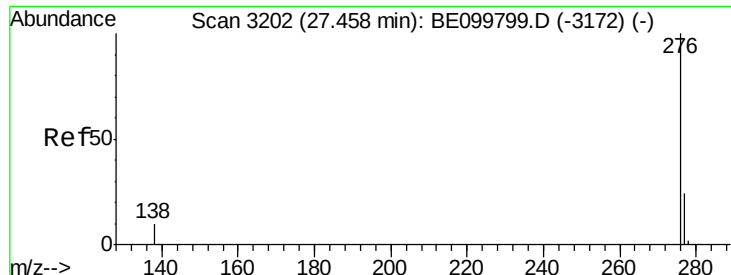


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 30.429 ng

RT: 27.62 min Scan# 3248

Delta R.T. 0.16 min

Lab File: BE099841.D

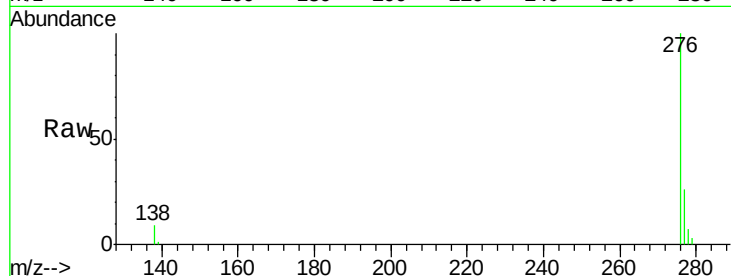
Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD



Tot Ion:276 Resp: 2013981

Ion Ratio Lower Upper

276 100

277 26.0 19.6 29.4

138 9.0 9.0 13.4#

