

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
 Data File : BE099647.D
 Acq On : 17 May 2019 12:00
 Operator : JU/SJ
 Sample : K2838-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FEBH-04(32-32.5)

Quant Time: May 17 13:58:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1869	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	6463	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4596	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	13415	0.40	ng	0.00
27) Chrysene-d12	21.41	240	18686	0.40	ng	0.00
34) Perylene-d12	23.96	264	21887	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1408	0.27	ng	0.00
5) Phenol-d6	6.98	99	1802	0.27	ng	0.00
8) Nitrobenzene-d5	8.98	82	1482	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3126	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	635	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4539	0.26	ng	0.00
25) Fluoranthene-d10	19.26	212	48775	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	10109	0.30	ng	0.00

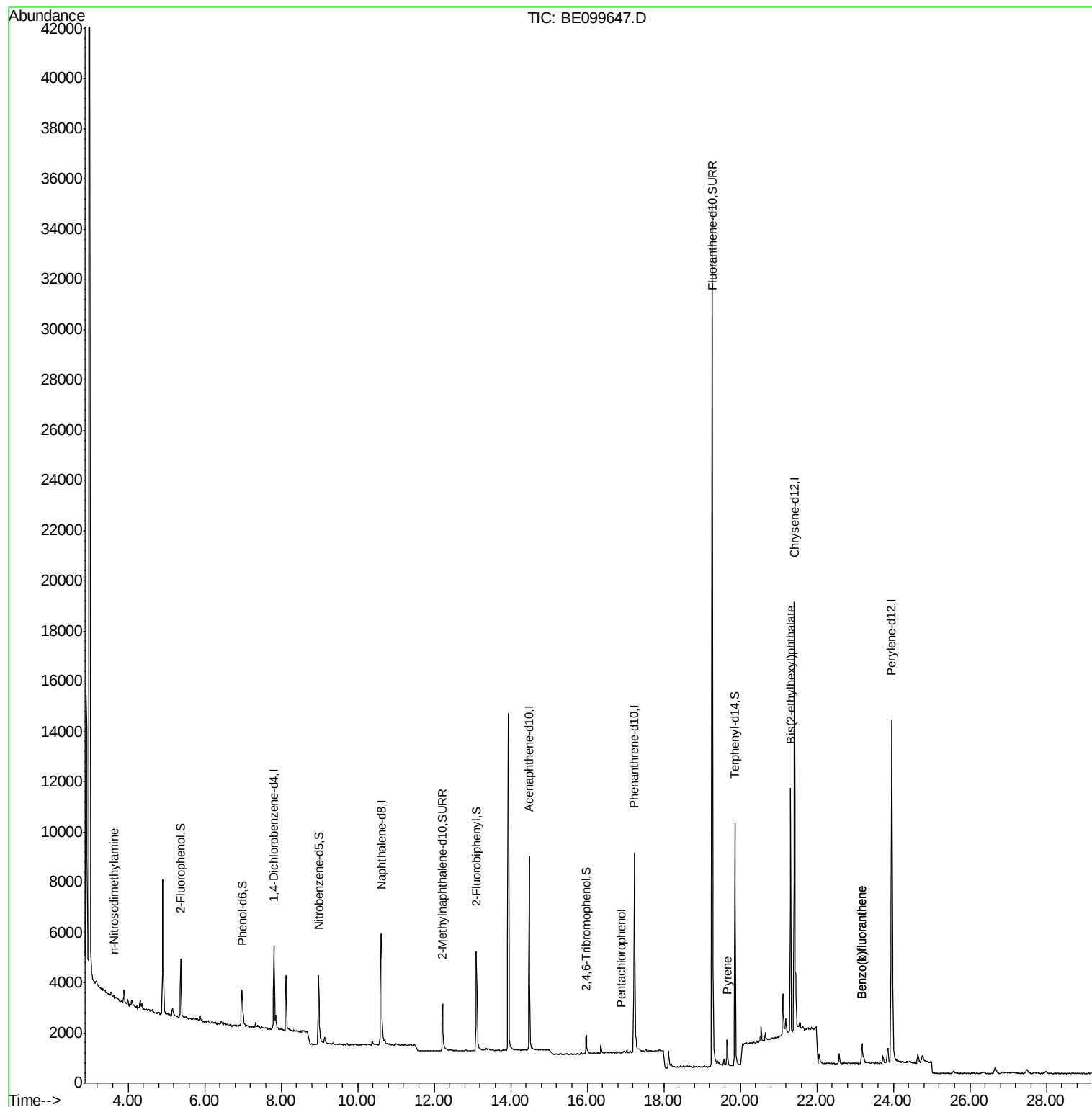
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.64	42	50	0.028	ng	# 1
22) Pentachlorophenol	16.88	266	11	0.278	ng	# 70
28) Pyrene	19.66	202	1095	0.023	ng	96
32) Bis(2-ethylhexyl)phthalate	21.32	149	11175	0.128	ng	99
35) Benzo(b)fluoranthene	23.18	252	1238	0.020	ng	# 1
36) Benzo(k)fluoranthene	23.18	252	1238	0.020	ng	# 1

(#) = 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: BE099647.D

Acq: 17 May 2019 12:00

Instrument :

BNA_E

ClientSampleId :

FEBH-04(32-32.5)

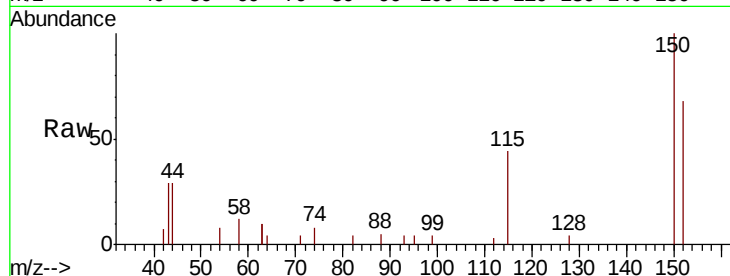
Tot Ion:152 Resp: 1869

Ion Ratio Lower Upper

152 100

150 147.4 110.1 165.1

115 64.3 46.2 69.4

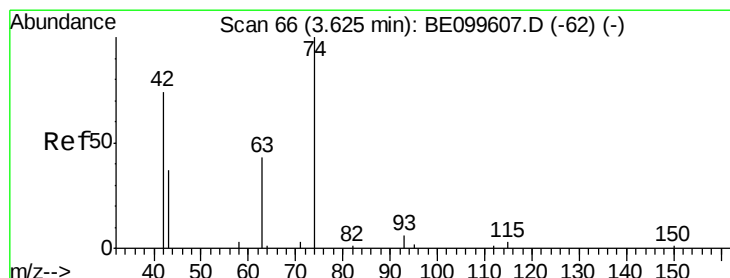
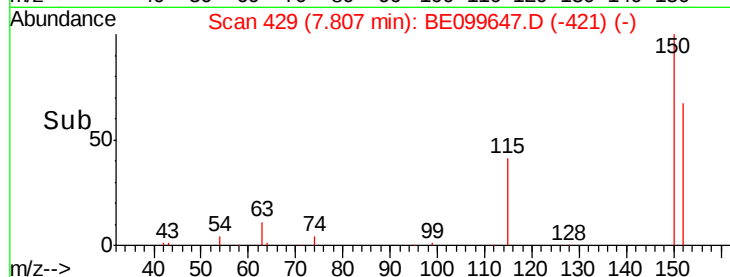
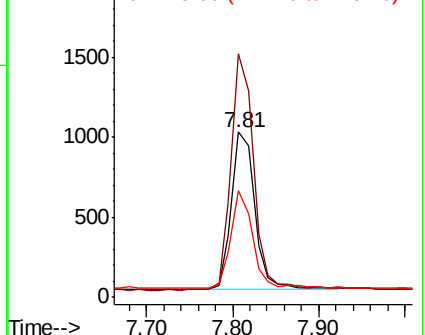


Abundance

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



#3

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.01 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

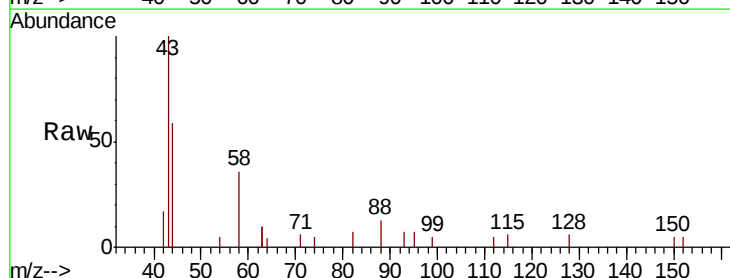
Tgt Ion: 42 Resp: 50

Ion Ratio Lower Upper

42 100

74 0.0 134.7 202.1#

44 0.0 12.5 18.7#

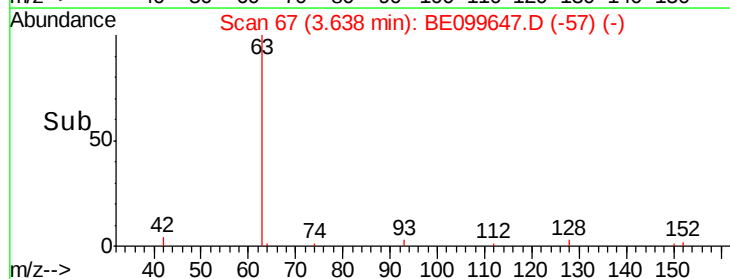
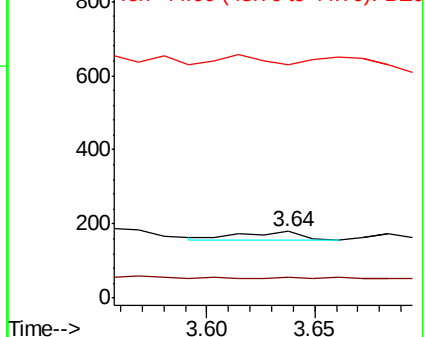


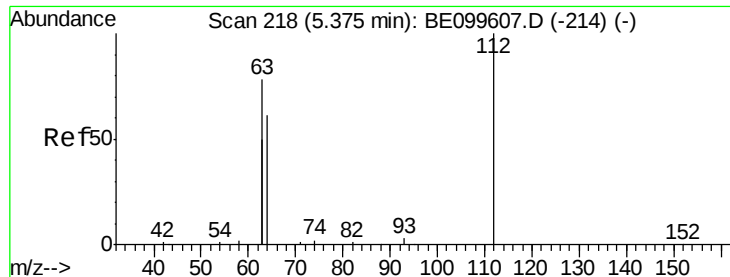
Abundance

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: 0.265 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

Instrument :

BNA_E

ClientSampleId :

FEBH-04(32-32.5)

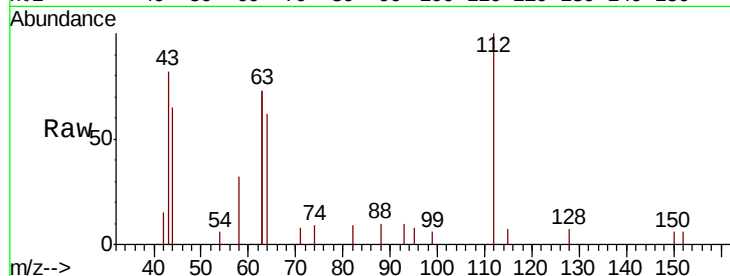
Tot Ion:112 Resp: 1408

Ion Ratio Lower Upper

112 100

64 55.4 43.7 65.5

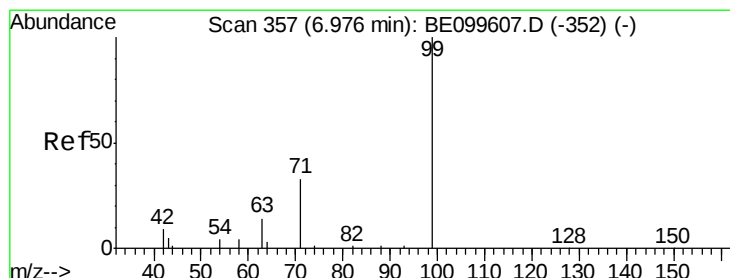
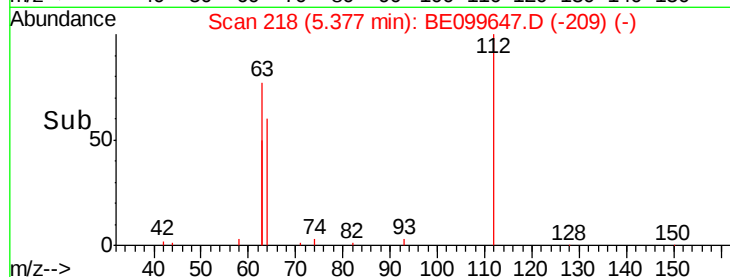
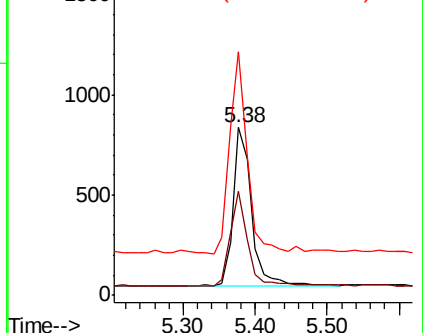
63 118.6 94.0 141.0



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: 0.268 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

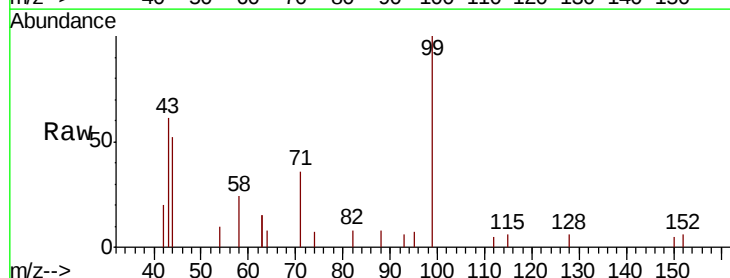
Tgt Ion: 99 Resp: 1802

Ion Ratio Lower Upper

99 100

42 18.0 14.3 21.5

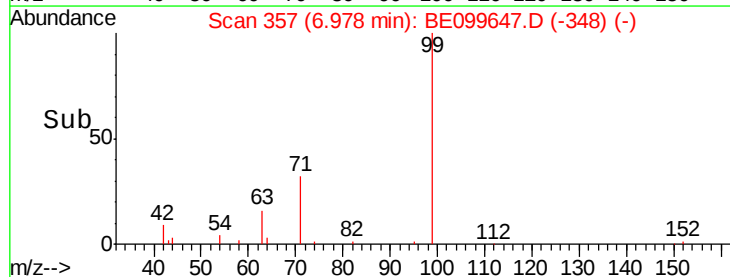
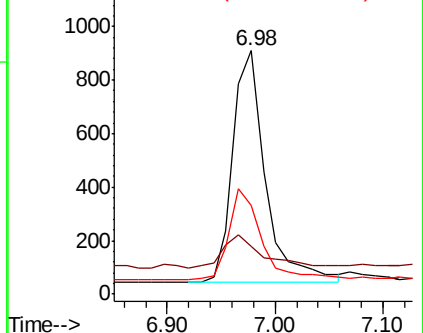
71 40.3 33.1 49.7

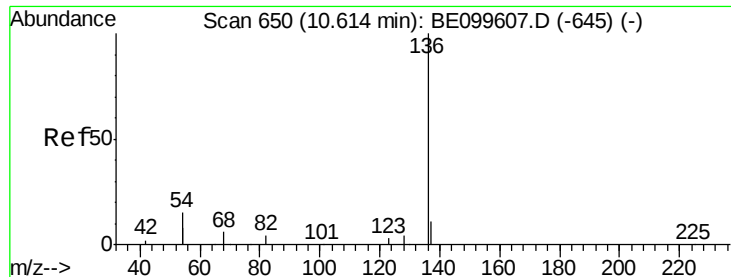


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

Instrument :

BNA_E

ClientSampleId :

FEBH-04(32-32.5)

Tot Ion:136 Resp: 6463

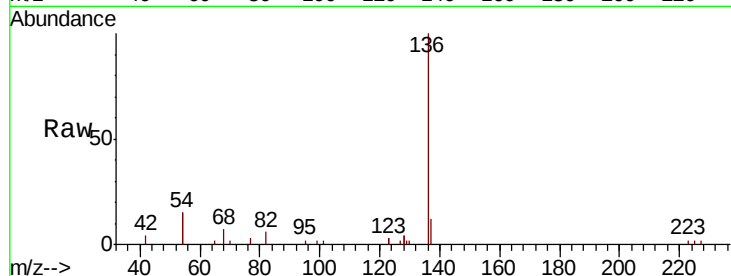
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 30.4 23.8 35.8

68 7.4 6.2 9.2

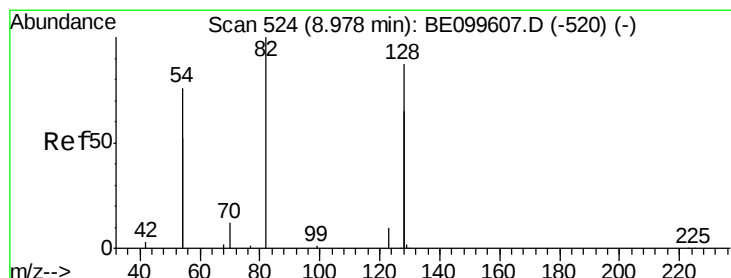
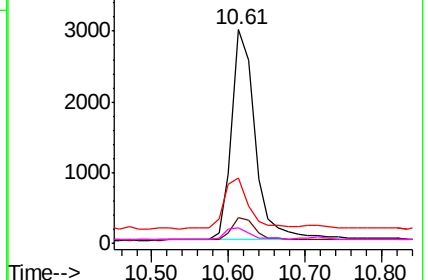
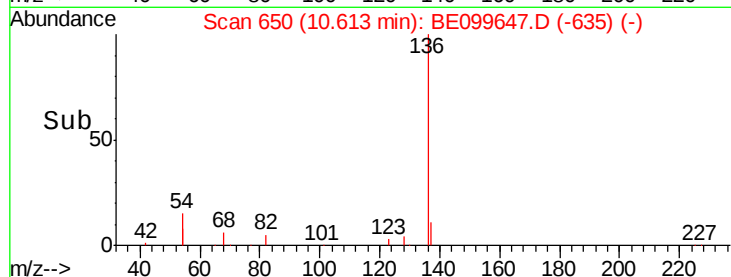


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.237 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

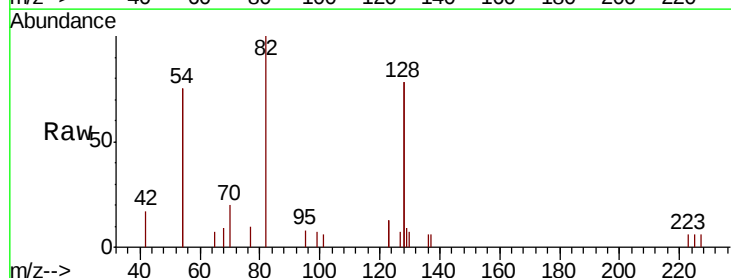
Tgt Ion: 82 Resp: 1482

Ion Ratio Lower Upper

82 100

128 156.1 131.4 197.2

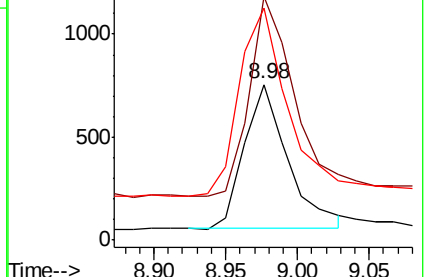
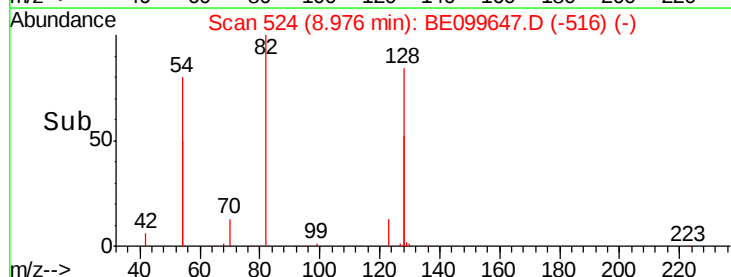
54 149.3 113.9 170.9

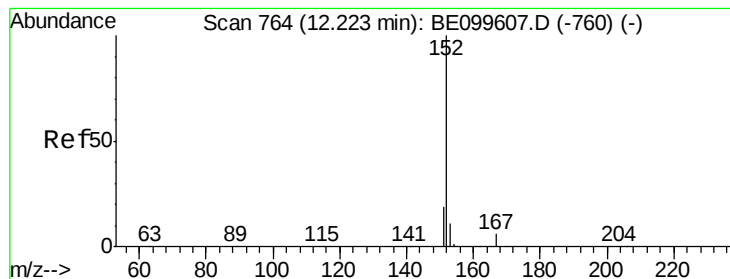


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.288 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

Instrument :

BNA_E

ClientSampleId :

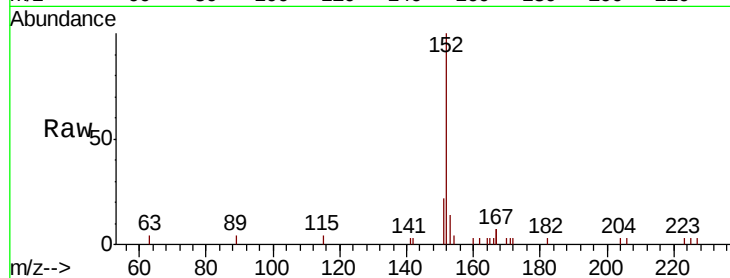
FEBH-04(32-32.5)

Tot Ion:152 Resp: 3126

Ion Ratio Lower Upper

152 100

151 19.6 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

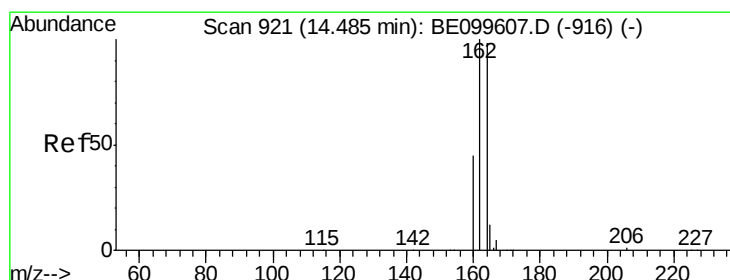
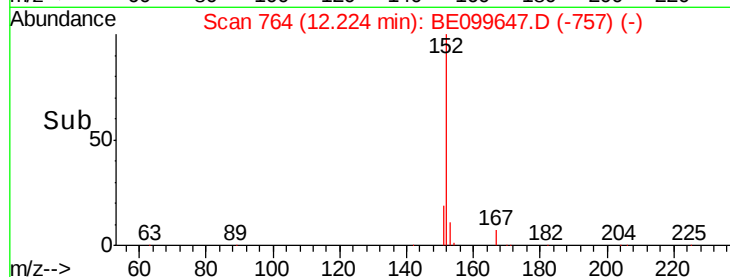
1500

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: BE099647.D

Acq: 17 May 2019 12:00

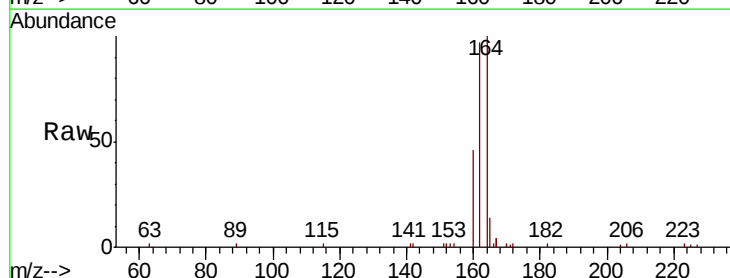
Tgt Ion:164 Resp: 4596

Ion Ratio Lower Upper

164 100

162 96.7 81.4 122.0

160 45.5 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.49

4000

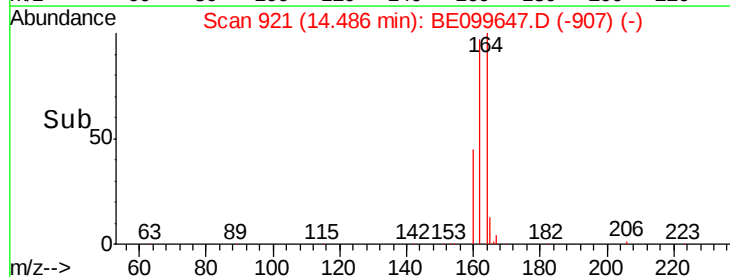
3000

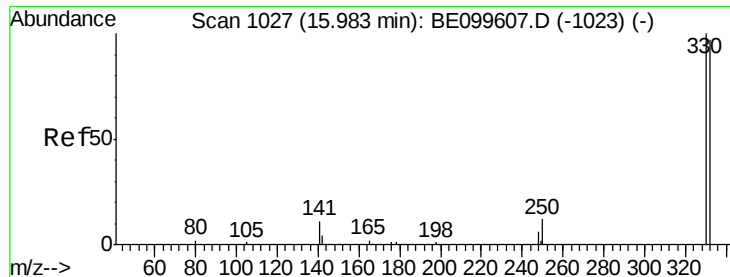
2000

1000

0

Time-->

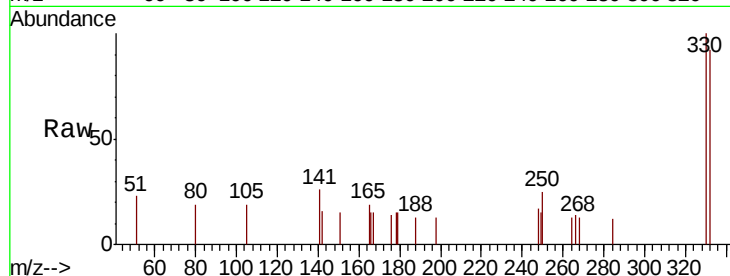




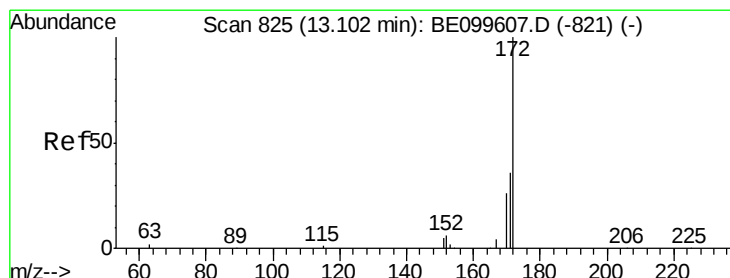
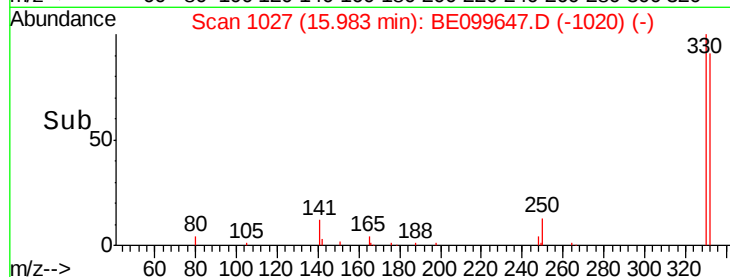
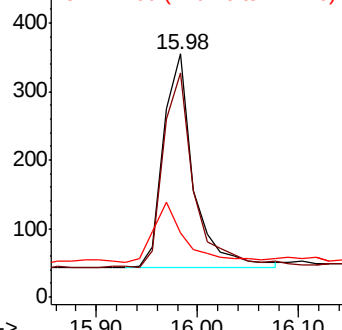
#14
2,4,6-Tribromophenol
Concen: 0.202 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099647.D
Acq: 17 May 2019 12:00

Instrument :
BNA_E
ClientSampleId :
FEBH-04(32-32.5)

Tot Ion:330 Resp: 635
Ion Ratio Lower Upper
330 100
332 92.6 73.8 110.8
141 29.6 21.0 31.6

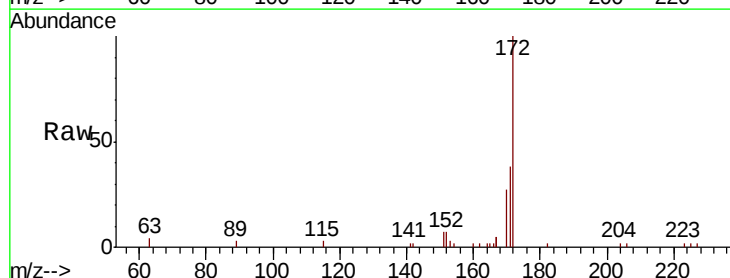


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

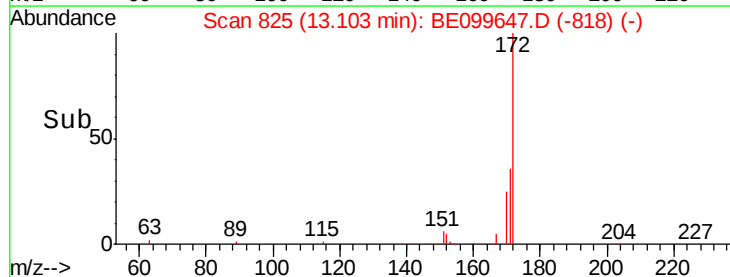
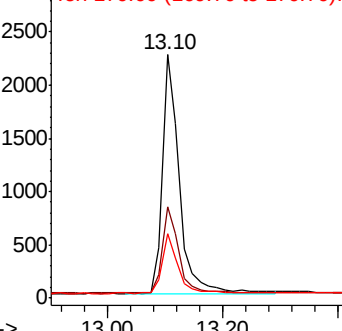


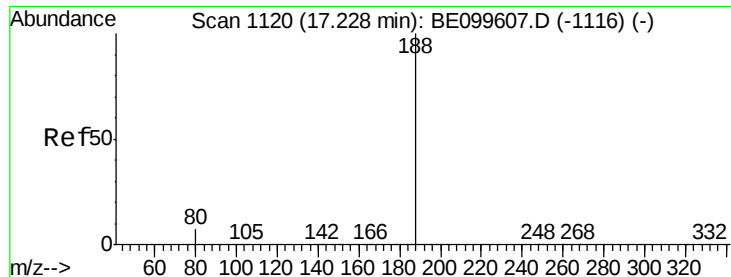
#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099647.D
Acq: 17 May 2019 12:00

Tgt Ion:172 Resp: 4539
Ion Ratio Lower Upper
172 100
171 37.5 29.4 44.2
170 26.6 21.5 32.3



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

Instrument :

BNA_E

ClientSampleId :

FEBH-04(32-32.5)

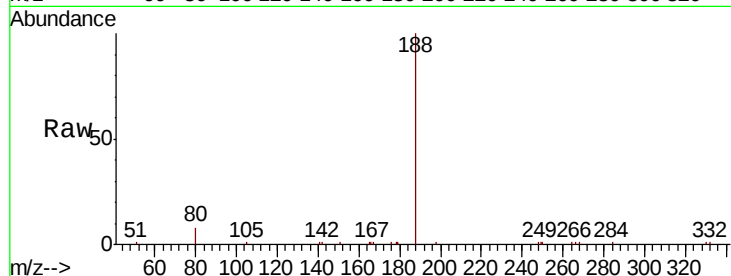
Tot Ion:188 Resp: 13415

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

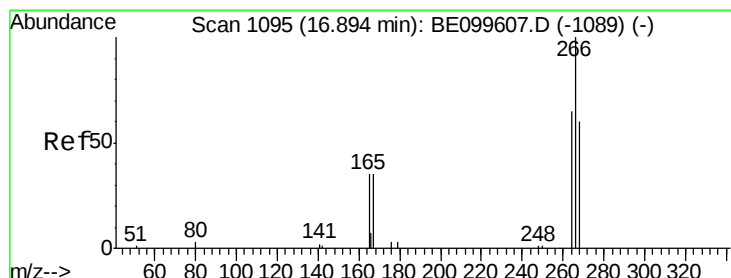
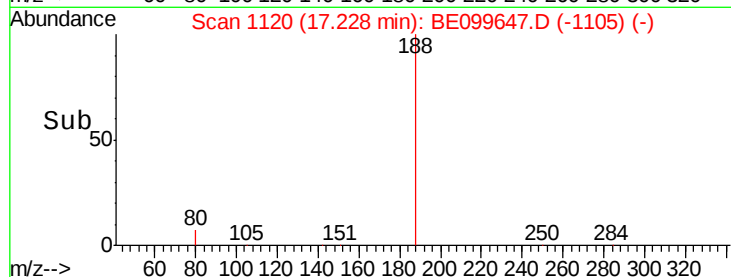
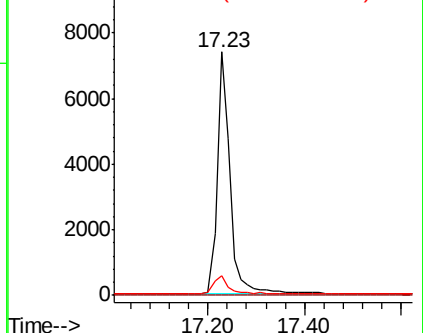
80 8.1 6.4 9.6



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



#22

Pentachlorophenol

Concen: 0.278 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

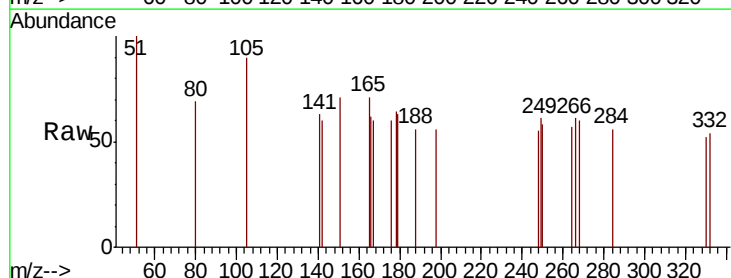
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 94.1 57.7 86.5#

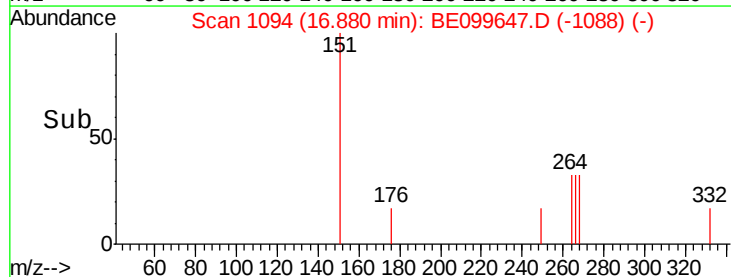
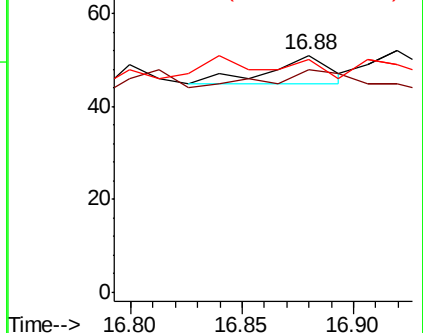
268 98.0 55.8 83.8#

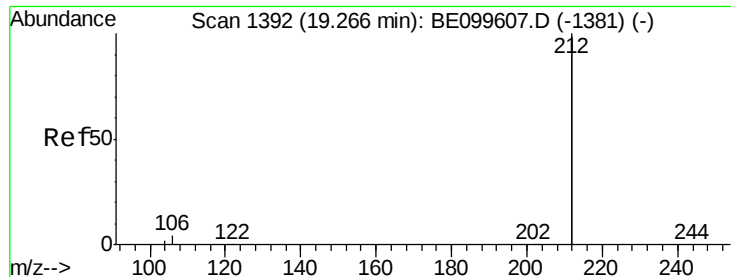


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.273 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

Instrument :

BNA_E

ClientSampleId :

FEBH-04(32-32.5)

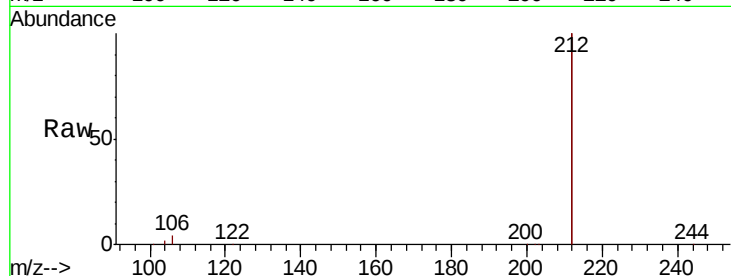
Tot Ion:212 Resp: 48775

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

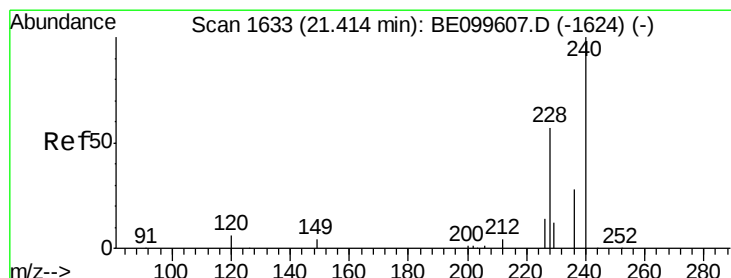
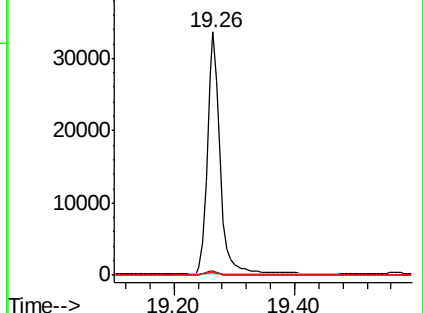
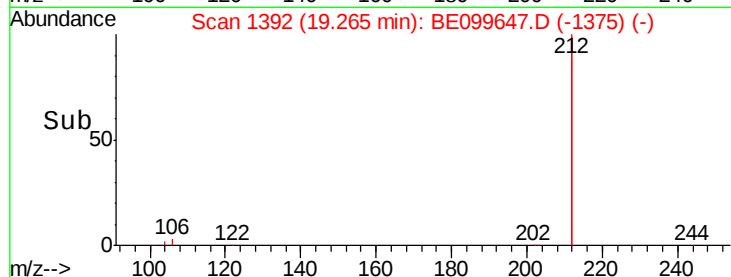
104 1.1 0.9 1.3



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

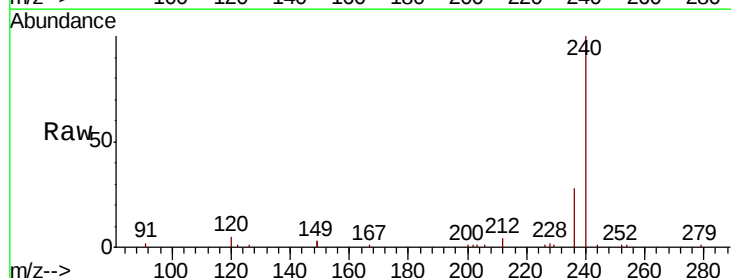
Tgt Ion:240 Resp: 18686

Ion Ratio Lower Upper

240 100

120 4.9 5.7 8.5#

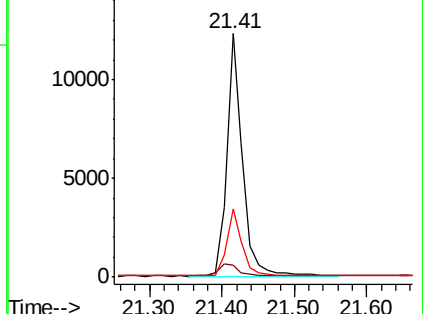
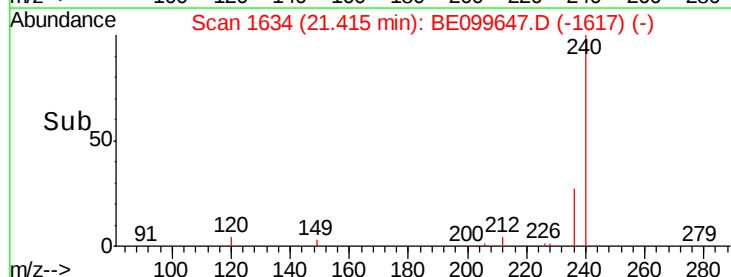
236 27.8 22.8 34.2

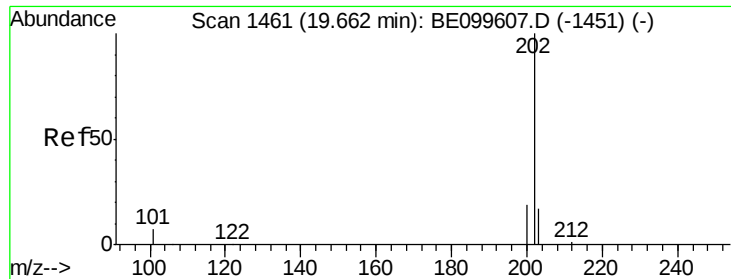


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

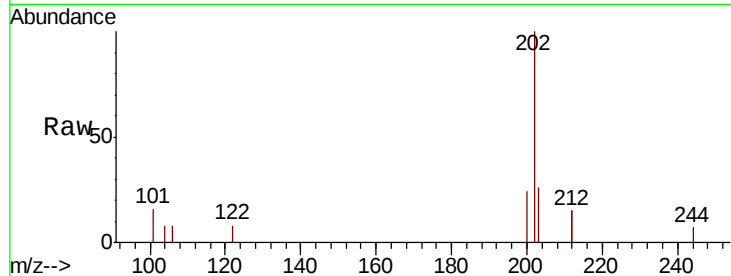




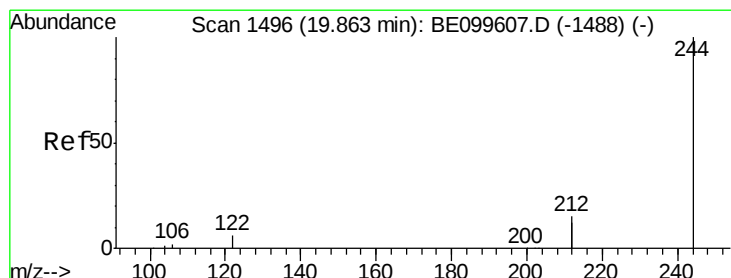
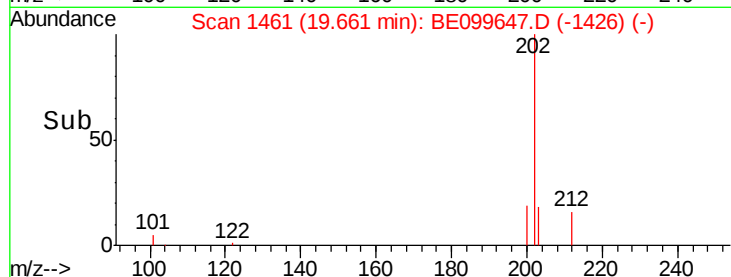
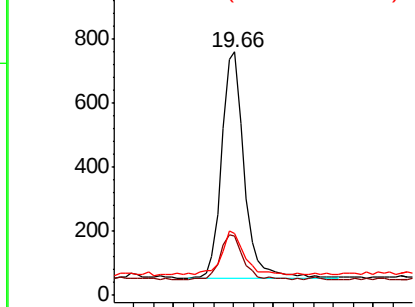
#28
Pvrene
Concen: 0.023 ng
RT: 19.66 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BE099647.D
Acq: 17 May 2019 12:00

Instrument :
BNA_E
ClientSampleId :
FEBH-04(32-32.5)

Tot Ion:202 Resp: 1095
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.6
203 19.7 14.1 21.1

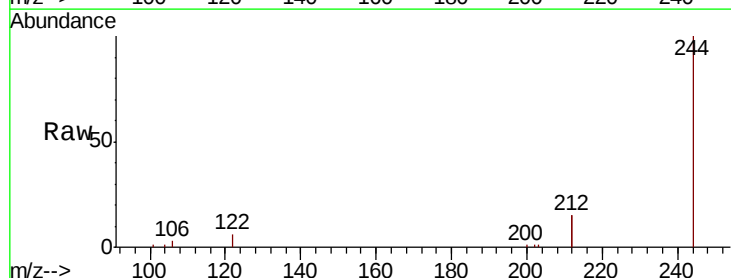


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

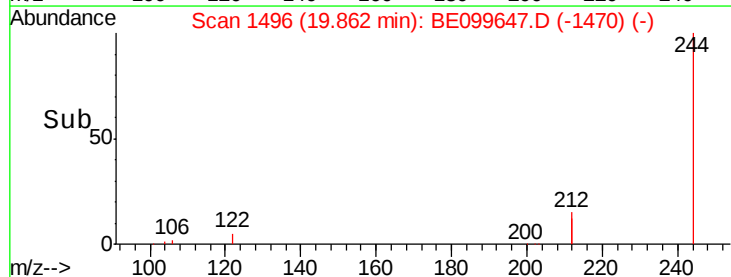
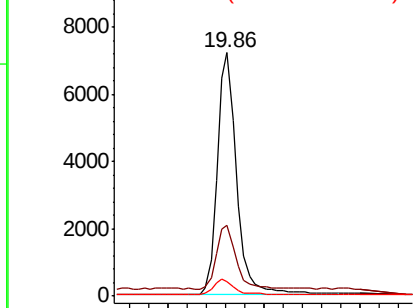


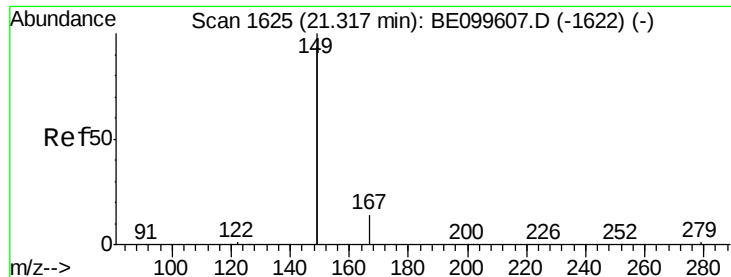
#29
Terphenyl-d14
Concen: 0.301 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099647.D
Acq: 17 May 2019 12:00

Tgt Ion:244 Resp: 10109
Ion Ratio Lower Upper
244 100
212 29.3 23.8 35.6
122 5.8 5.0 7.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.128 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

Instrument :

BNA_E

ClientSampleId :

FEBH-04(32-32.5)

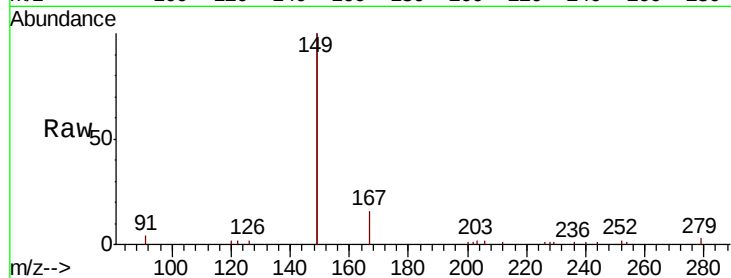
Tot Ion:149 Resp: 11175

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

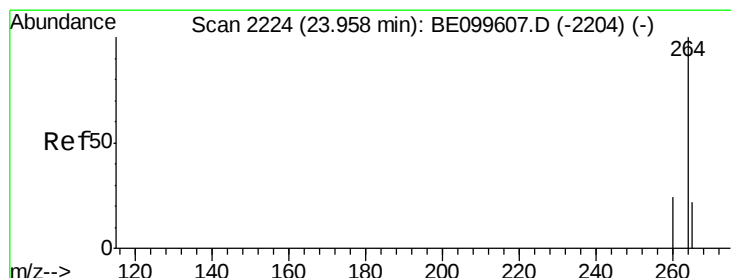
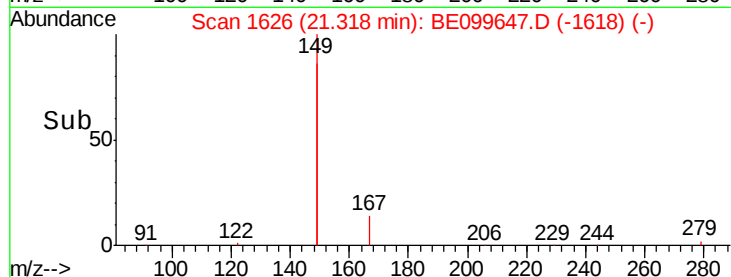
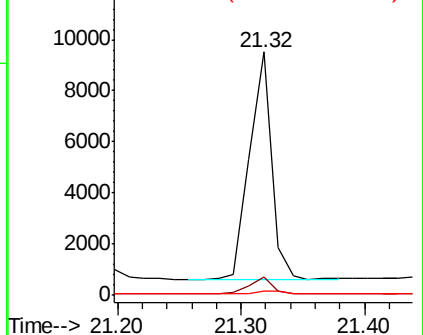
279 1.6 1.1 1.7



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE099647.D

Acq: 17 May 2019 12:00

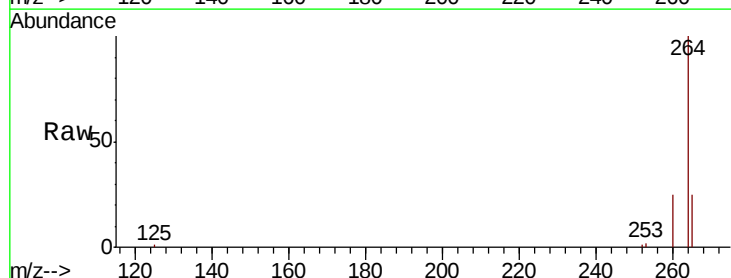
Tgt Ion:264 Resp: 21887

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

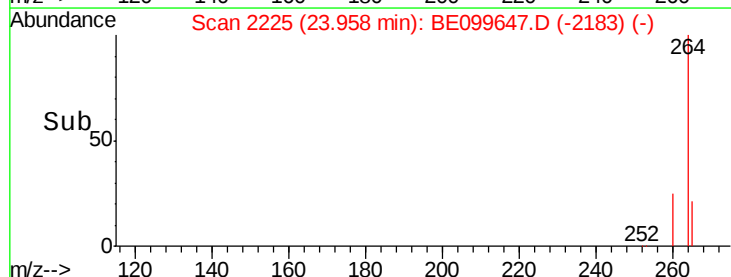
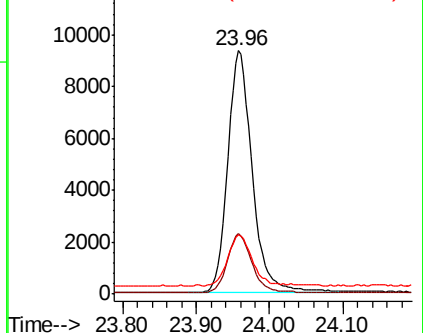
265 24.5 21.2 31.8

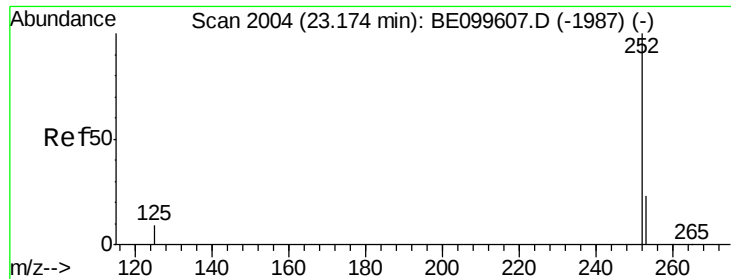


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

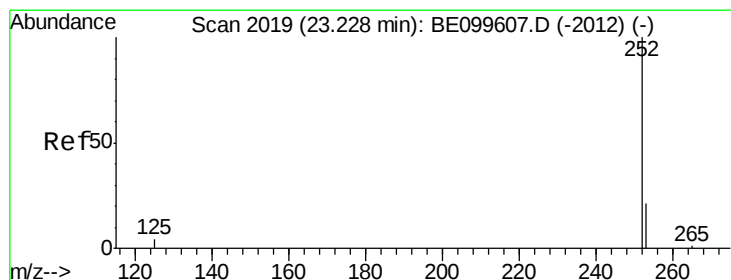
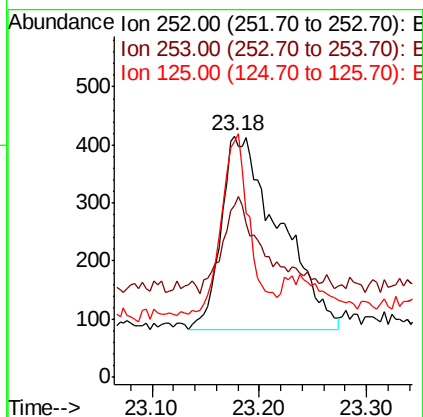
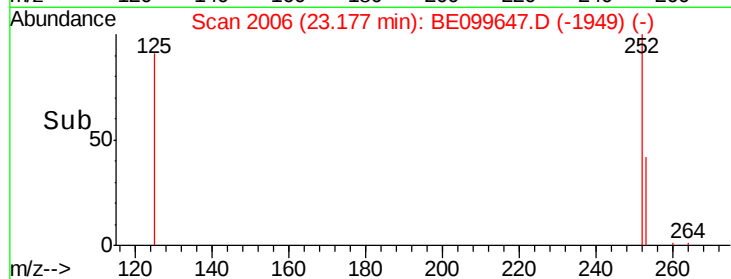
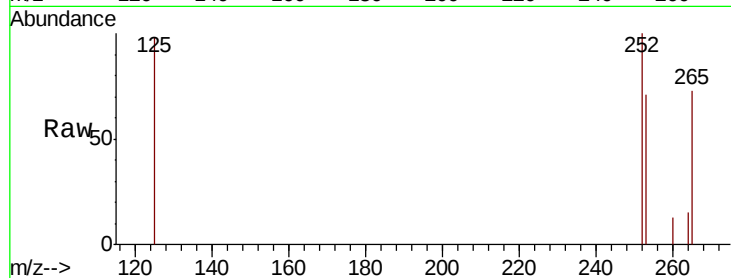




#35
Benzo(b)fluoranthene
Concen: 0.020 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BE099647.D
Acq: 17 May 2019 12:00

Instrument :
BNA_E
ClientSampleId :
FEBH-04(32-32.5)

Tot Ion:252 Resp: 1238
Ion Ratio Lower Upper
252 100
253 71.1 19.1 28.7#
125 98.1 7.8 11.8#



#36
Benzo(k)fluoranthene
Concen: 0.020 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.05 min
Lab File: BE099647.D
Acq: 17 May 2019 12:00

Tgt Ion:252 Resp: 1238
Ion Ratio Lower Upper
252 100
253 71.1 18.6 28.0#
125 98.1 5.2 7.8#

