

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062519\
 Data File : BE100184.D
 Acq On : 25 Jun 2019 17:56
 Operator : JU/SJ
 Sample : K3309-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW003-190610

Quant Time: Jun 26 03:27:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 15:40:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	406	0.40	ng	0.01
7) Naphthalene-d8	10.48	136	1346	0.40	ng	0.01
13) Acenaphthene-d10	14.36	164	1000	0.40	ng	0.01
19) Phenanthrene-d10	17.09	188	3088	0.40	ng	0.00
27) Chrysene-d12	21.28	240	6060	0.40	ng	0.00
34) Perylene-d12	23.73	264	7772	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	138	0.15	ng	0.01
5) Phenol-d6	6.86	99	103	0.08	ng	-0.01
8) Nitrobenzene-d5	8.87	82	459	0.34	ng	0.03
11) 2-Methylnaphthalene-d10	12.09	152	754	0.30	ng	0.01
14) 2,4,6-Tribromophenol	15.85	330	190	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	1751	0.44	ng	0.00
25) Fluoranthene-d10	19.13	212	16558	0.37	ng	0.00
29) Terphenyl-d14	19.74	244	5618	0.47	ng	0.00

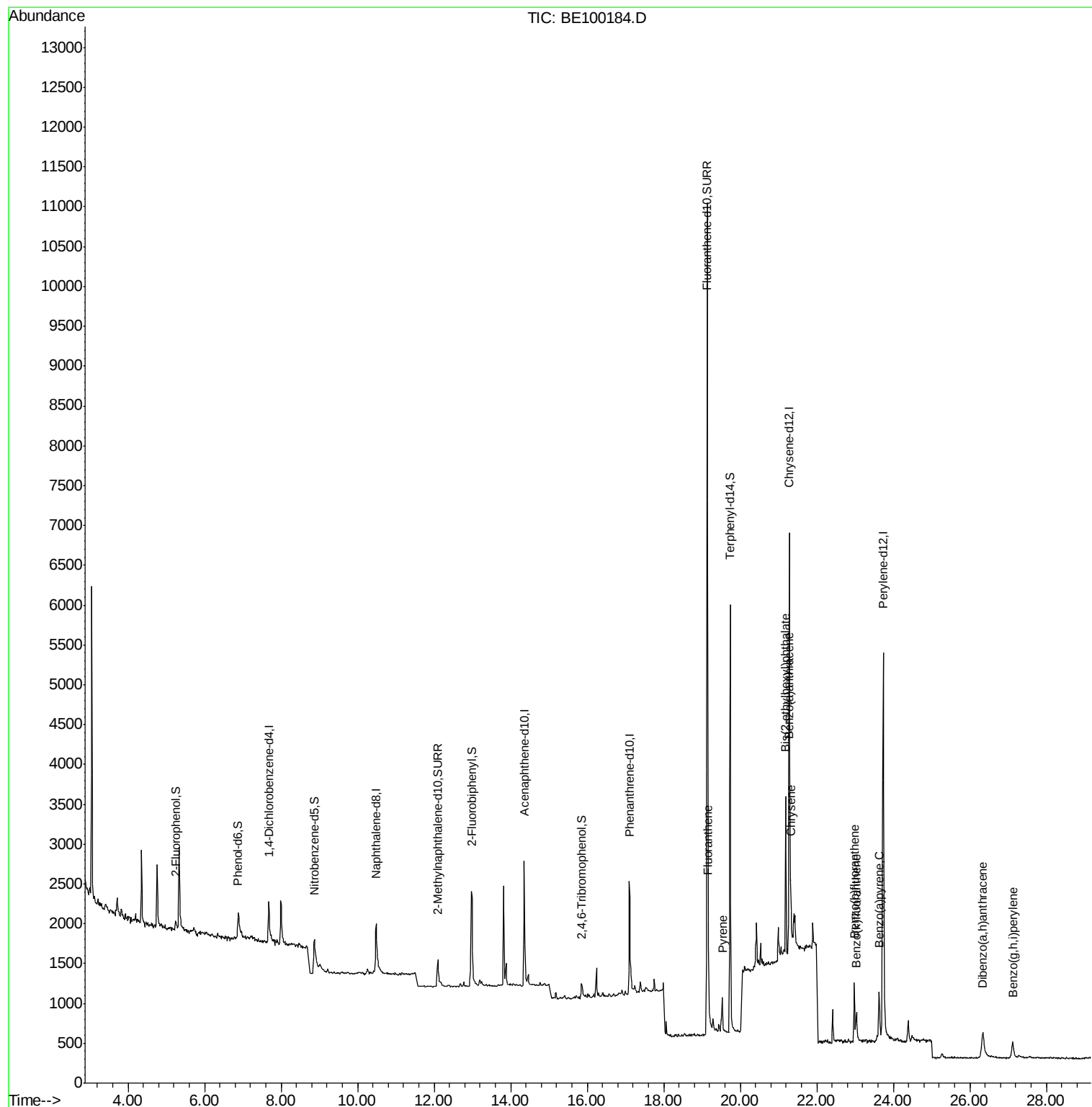
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) Fluoranthene	19.17	202	451	0.038	ng	# 91
28) Pyrene	19.53	202	474	0.031	ng	# 96
30) Benzo(a)anthracene	21.27	228	503	0.028	ng	# 77
31) Chrysene	21.32	228	501	0.024	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.18	149	2523	0.123	ng	# 100
35) Benzo(b)fluoranthene	22.98	252	589	0.028	ng	# 1
36) Benzo(k)fluoranthene	23.03	252	528	0.021	ng	# 45
37) Benzo(a)pyrene	23.62	252	543	0.025	ng	# 1
38) Dibenzo(a,h)anthracene	26.35	278	466	0.020	ng	# 33
39) Benzo(g,h,i)perylene	27.12	276	550	0.023	ng	# 53

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

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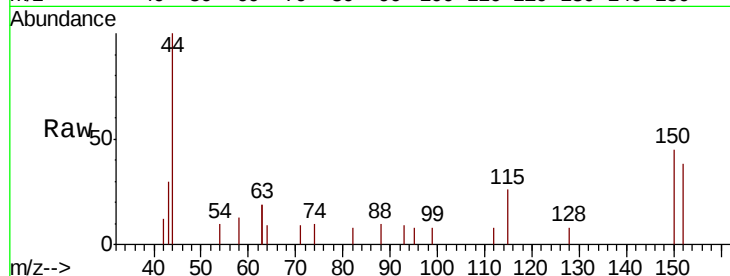


#1

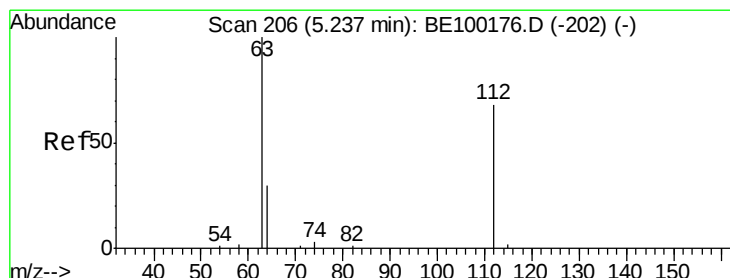
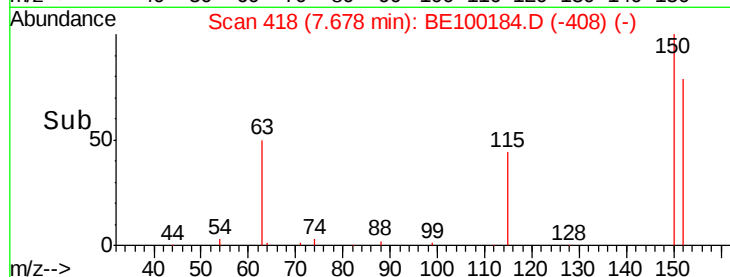
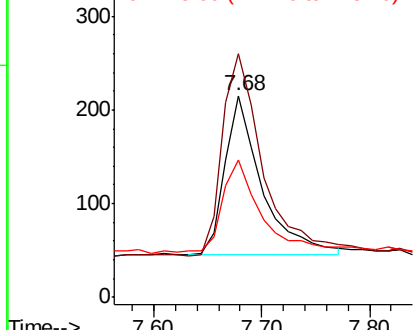
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 418
Delta R.T. 0.01 min
Lab File: BE100184.D
Acq: 25 Jun 2019 17:56

Instrument :
BNA_E
ClientSampleId :
LF017MW003-190610

Tgt Ion:152 Resp: 406
Ion Ratio Lower Upper
152 100
150 120.9 113.4 170.2
115 67.9 55.8 83.6



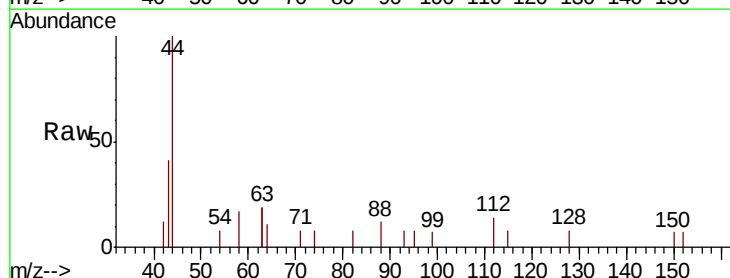
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



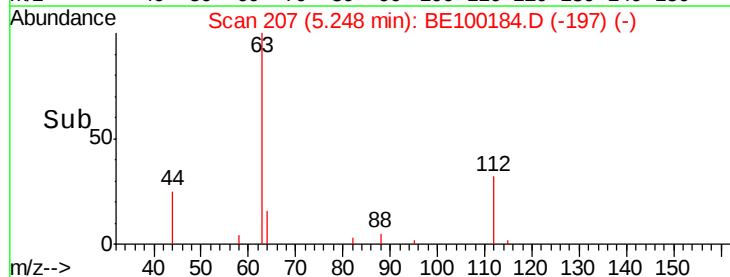
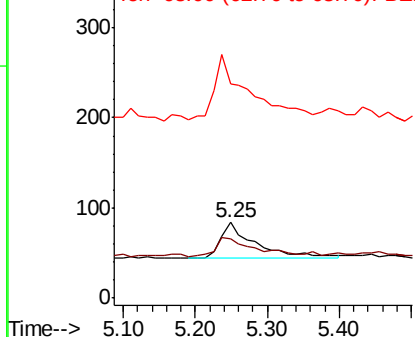
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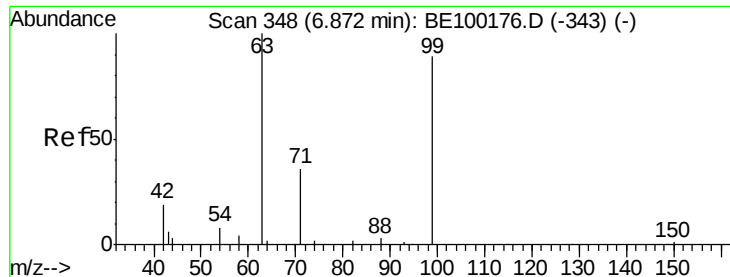
2-Fluorophenol
Concen: 0.153 ng
RT: 5.25 min Scan# 207
Delta R.T. 0.01 min
Lab File: BE100184.D
Acq: 25 Jun 2019 17:56

Tgt Ion:112 Resp: 138
Ion Ratio Lower Upper
112 100
64 57.2 40.7 61.1
63 176.1 93.2 139.8#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.083 ng

RT: 6.86 min Scan# 347

Delta R.T. -0.01 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

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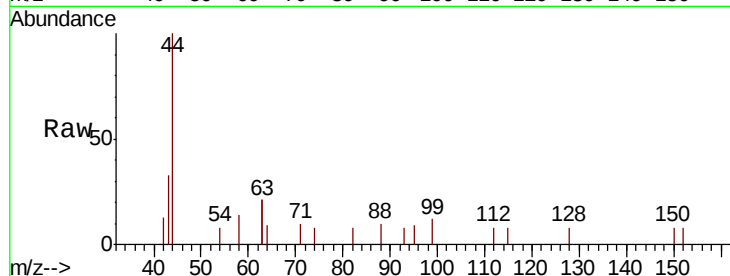
Tgt Ion: 99 Resp: 103

Ion Ratio Lower Upper

99 100

42 25.2 10.4 15.6#

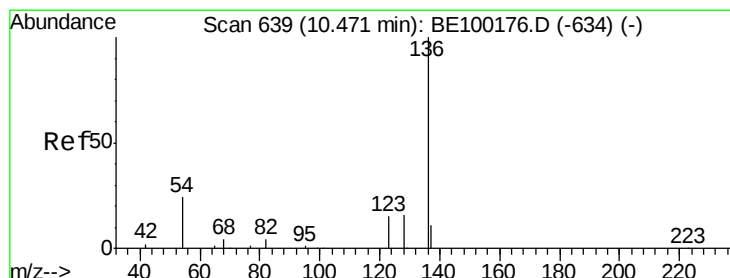
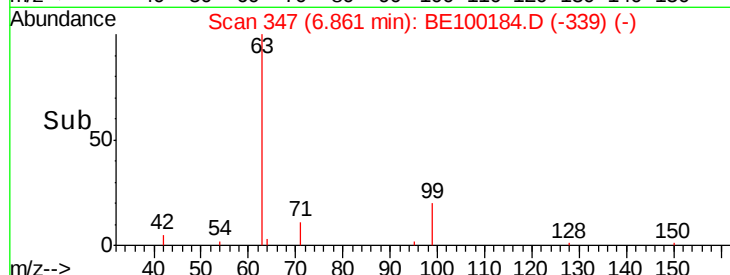
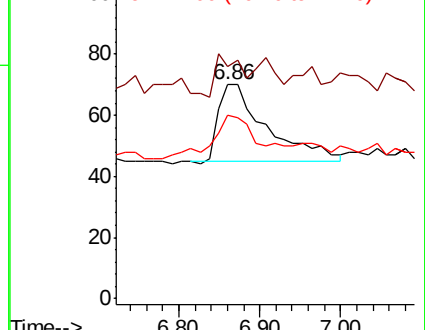
71 34.0 32.4 48.6



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 640

Delta R.T. 0.01 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Tgt Ion: 136 Resp: 1346

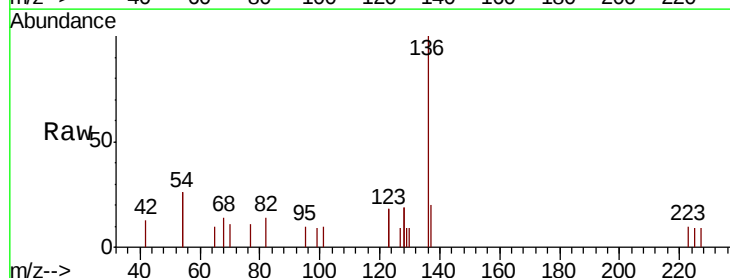
Ion Ratio Lower Upper

136 100

137 19.6 13.8 20.8

54 52.8 35.4 53.2

68 13.7 8.8 13.2#

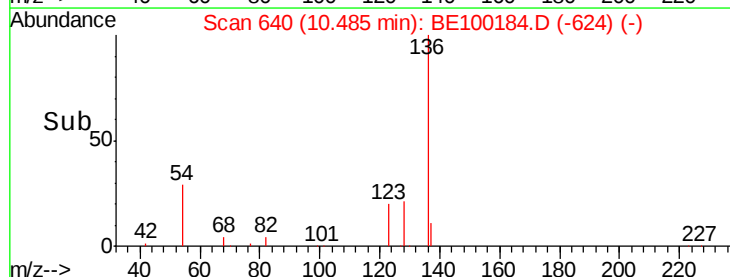
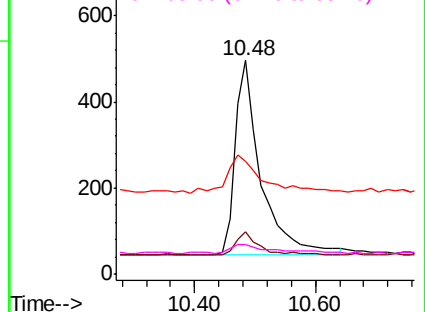


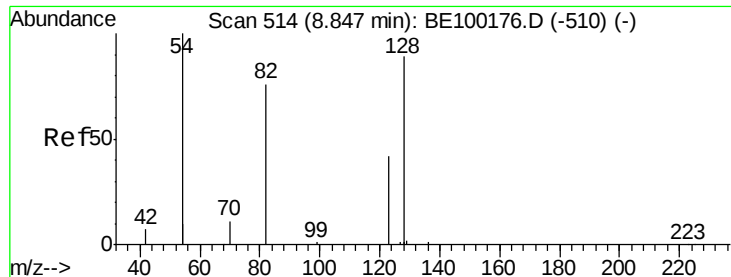
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.343 ng

RT: 8.87 min Scan# 516

Delta R.T. 0.03 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

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LF017MW003-190610

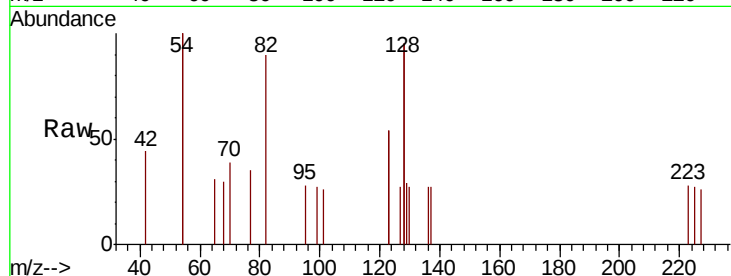
Tgt Ion: 82 Resp: 459

Ion Ratio Lower Upper

82 100

128 210.5 144.6 217.0

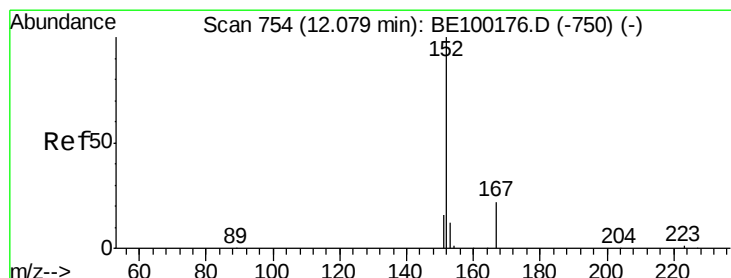
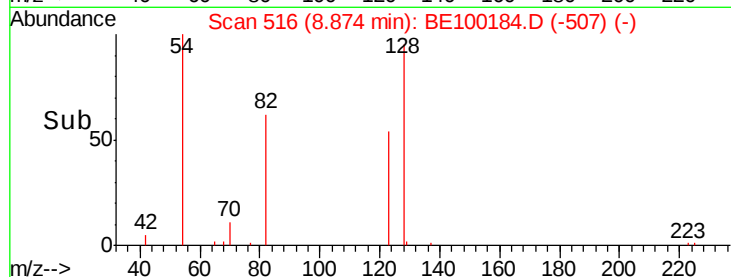
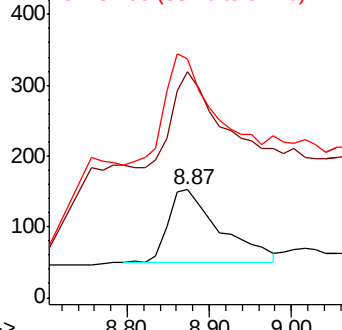
54 222.4 163.0 244.6



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.299 ng

RT: 12.09 min Scan# 755

Delta R.T. 0.01 min

Lab File: BE100184.D

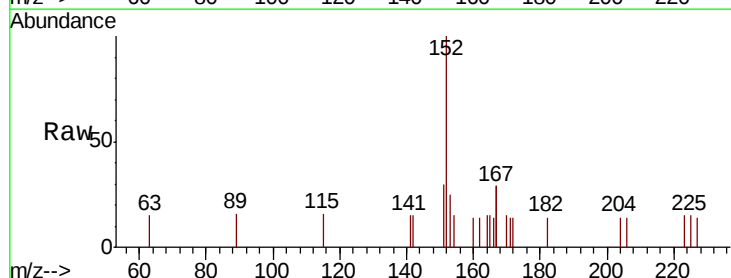
Acq: 25 Jun 2019 17:56

Tgt Ion: 152 Resp: 754

Ion Ratio Lower Upper

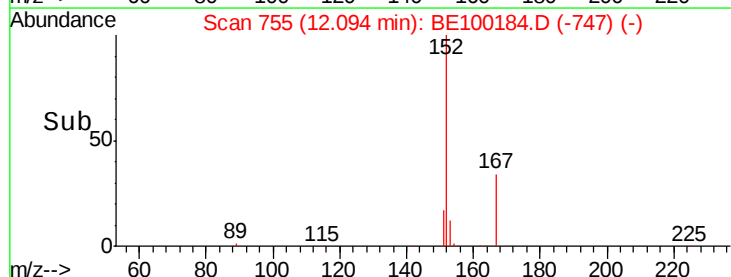
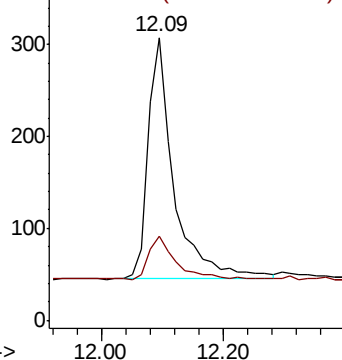
152 100

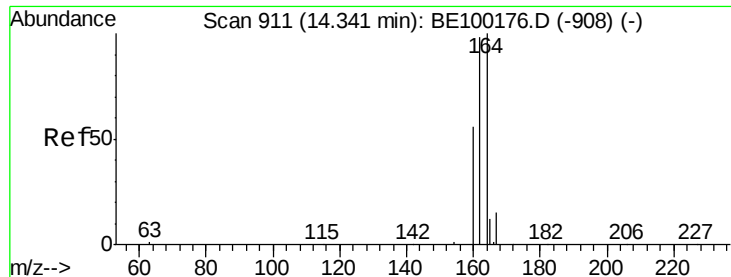
151 19.6 16.3 24.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

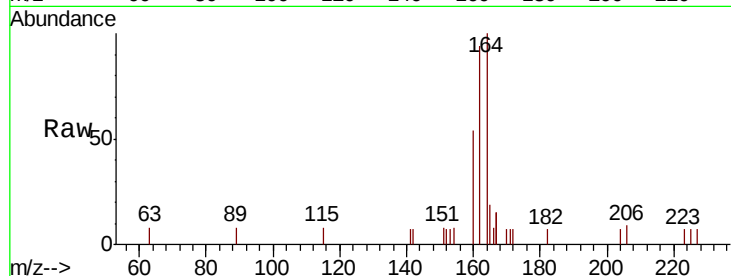




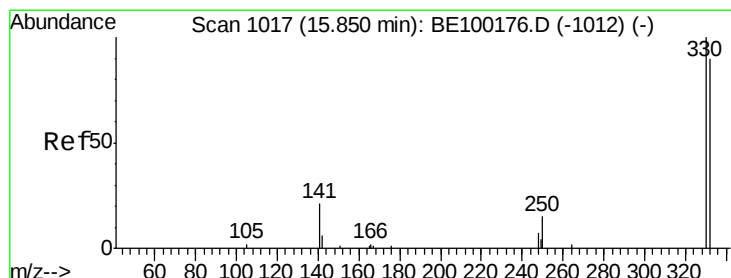
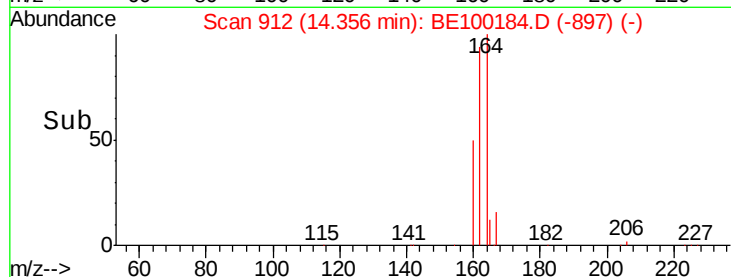
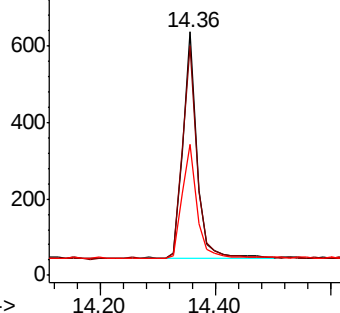
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.01 min
Lab File: BE100184.D
Acq: 25 Jun 2019 17:56

Instrument :
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Tgt Ion:164 Resp: 1000
Ion Ratio Lower Upper
164 100
162 94.2 78.6 118.0
160 54.0 46.9 70.3

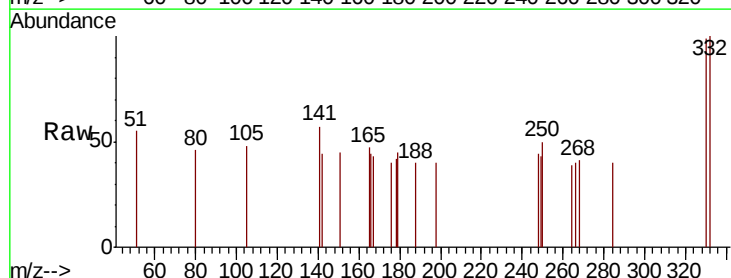


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

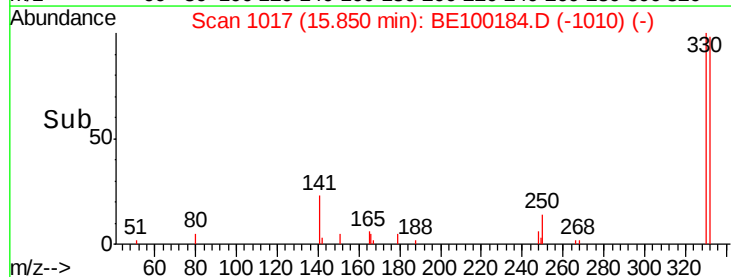
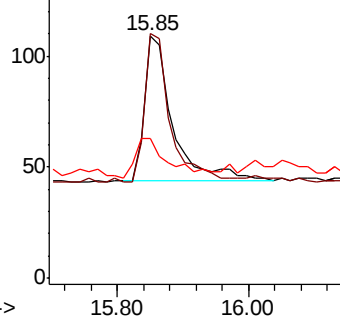


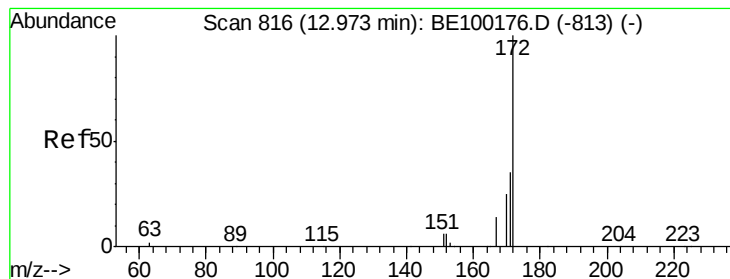
#14
2,4,6-Tribromophenol
Concen: 0.328 ng
RT: 15.85 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE100184.D
Acq: 25 Jun 2019 17:56

Tgt Ion:330 Resp: 190
Ion Ratio Lower Upper
330 100
332 95.8 77.7 116.5
141 33.7 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: 0.437 ng

RT: 12.97 min Scan# 816

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

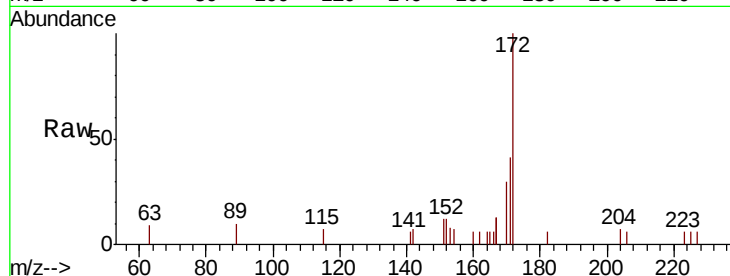
Tgt Ion:172 Resp: 1751

Ion Ratio Lower Upper

172 100

171 41.2 31.0 46.4

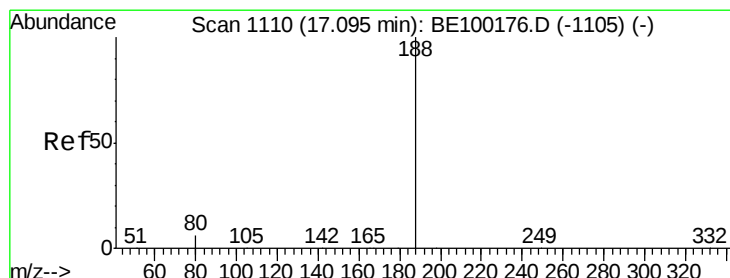
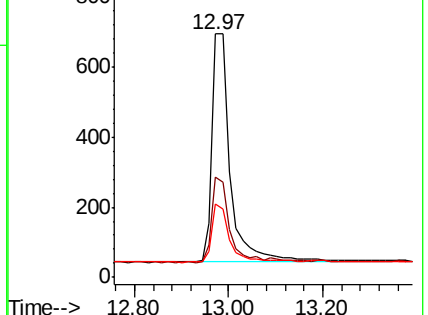
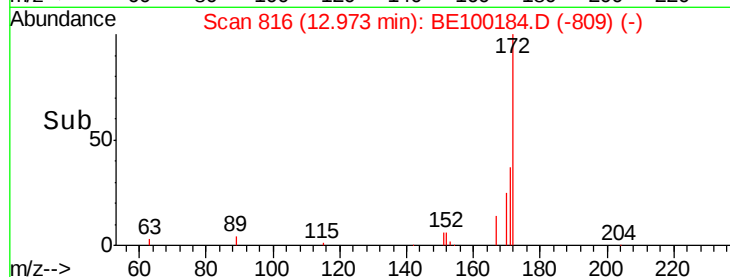
170 30.2 23.9 35.9



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: 17.09 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

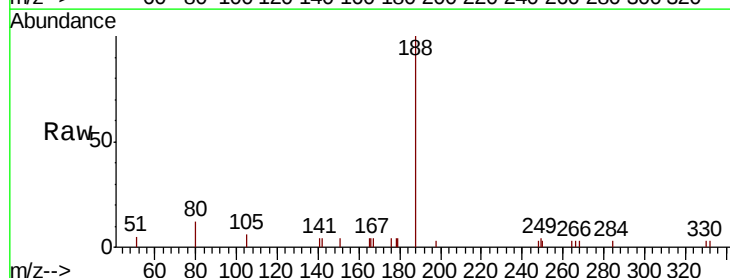
Tgt Ion:188 Resp: 3088

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

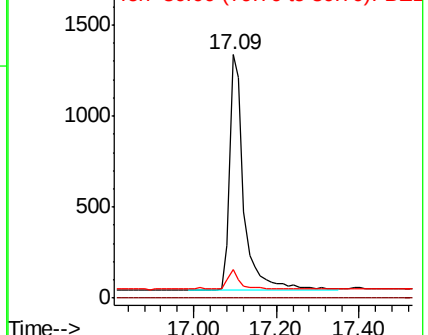
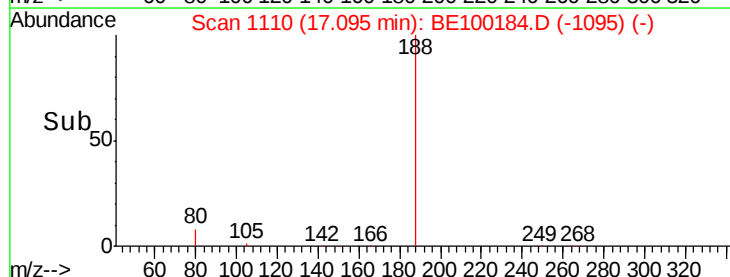
80 11.5 6.4 9.6#

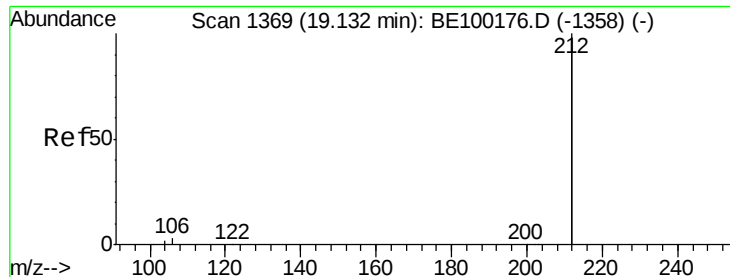


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#25

Fluoranthene-d10

Concen: 0.372 ng

RT: 19.13 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

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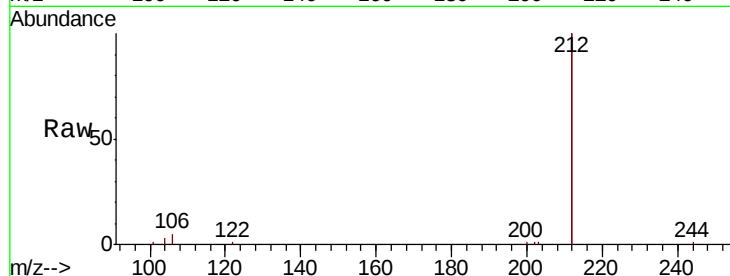
Tgt Ion:212 Resp: 16558

Ion Ratio Lower Upper

212 100

106 1.8 1.3 1.9

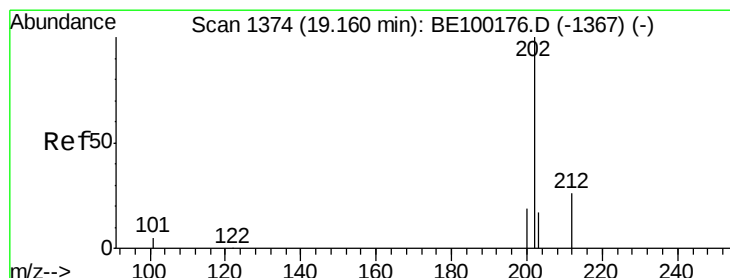
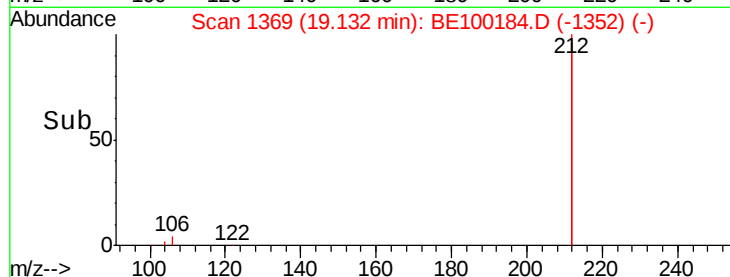
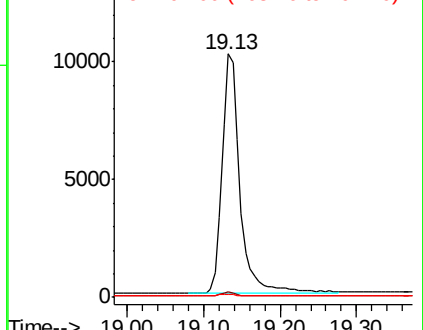
104 1.1 0.7 1.1#



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: 0.038 ng

RT: 19.17 min Scan# 1375

Delta R.T. 0.01 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

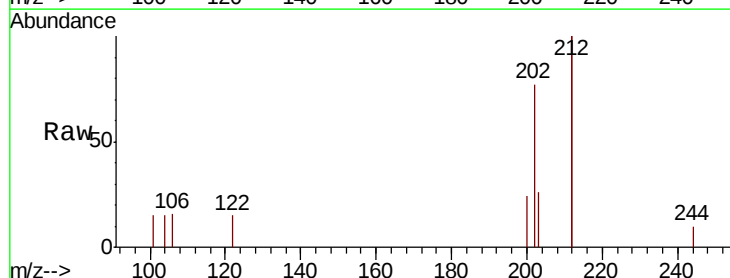
Tgt Ion:202 Resp: 451

Ion Ratio Lower Upper

202 100

101 14.0 4.5 6.7#

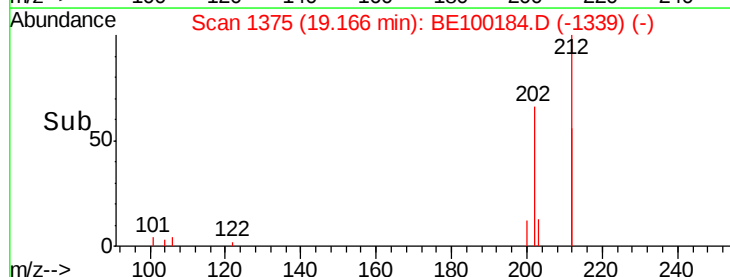
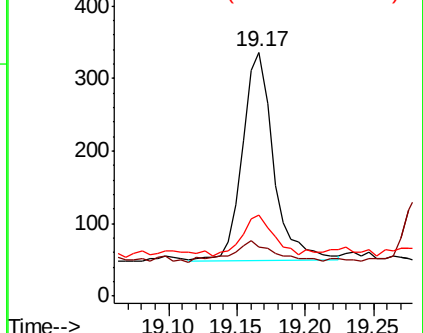
203 18.8 13.7 20.5

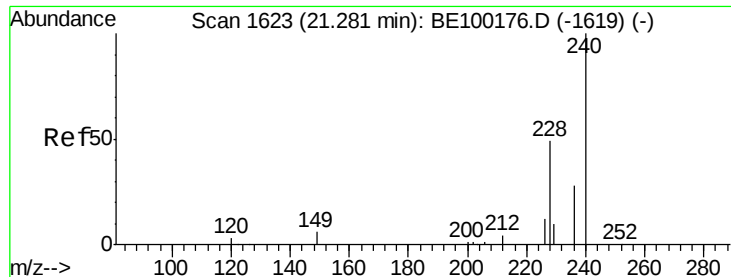


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

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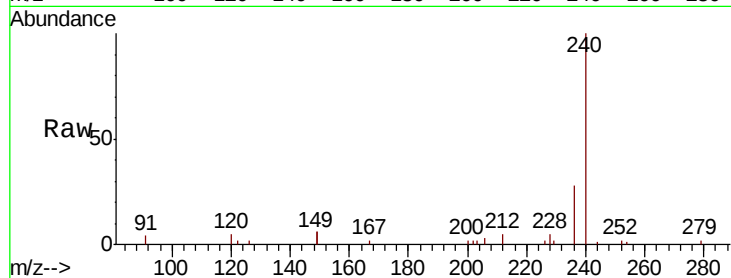
Tgt Ion:240 Resp: 6060

Ion Ratio Lower Upper

240 100

120 5.3 4.1 6.1

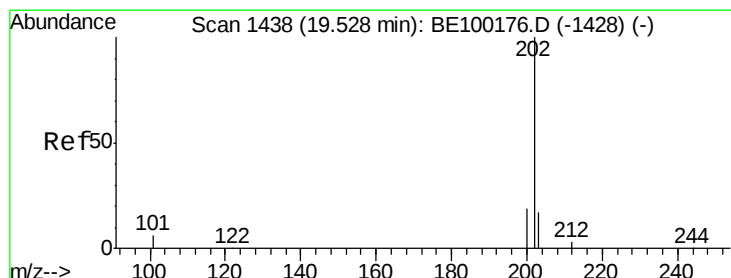
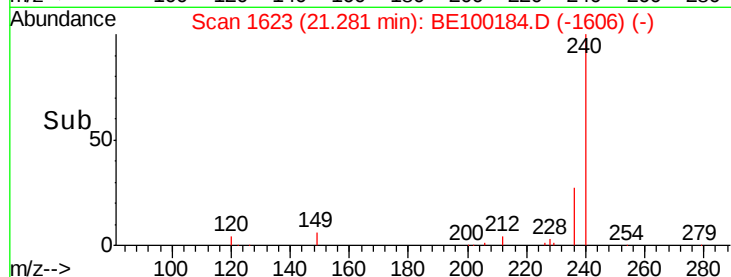
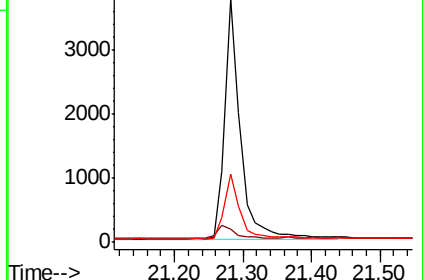
236 27.8 23.0 34.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.031 ng

RT: 19.53 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

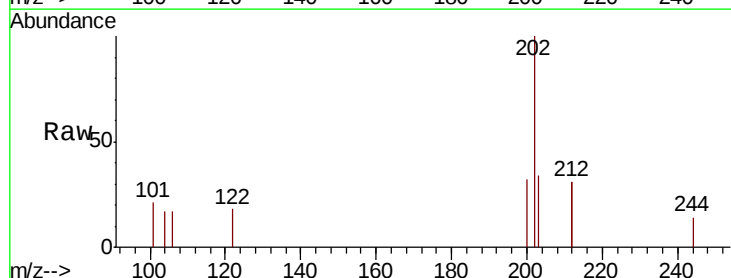
Tgt Ion:202 Resp: 474

Ion Ratio Lower Upper

202 100

200 20.0 15.5 23.3

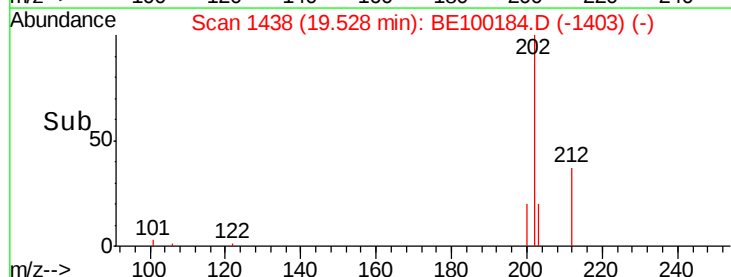
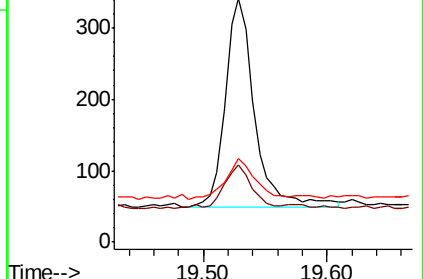
203 20.0 13.9 20.9

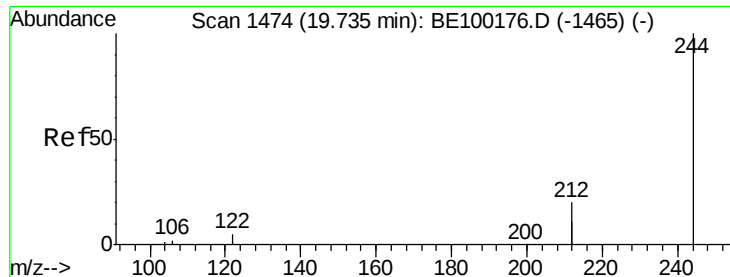


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.472 ng

RT: 19.74 min Scan# 1474

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

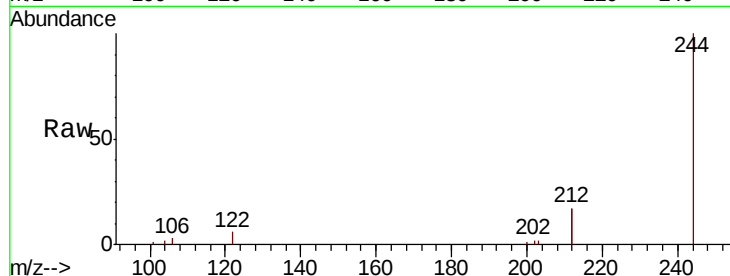
Tgt Ion:244 Resp: 5618

Ion Ratio Lower Upper

244 100

212 33.8 30.7 46.1

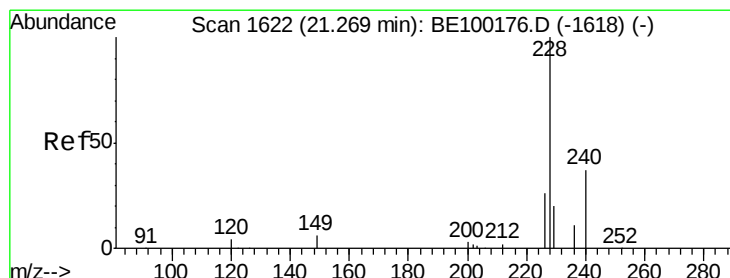
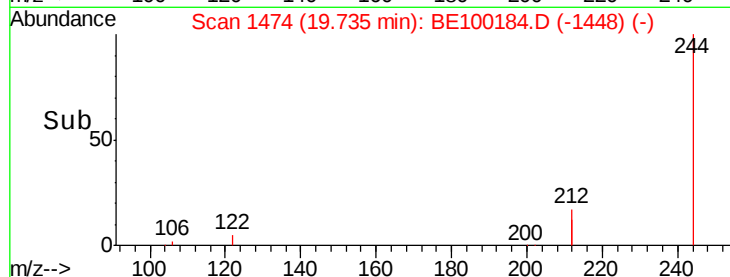
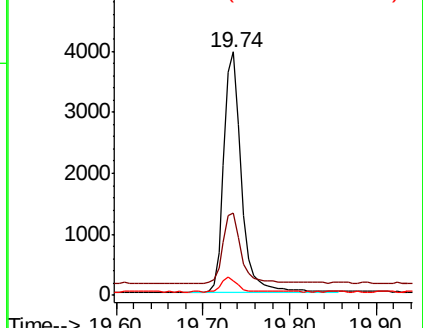
122 6.1 5.8 8.6



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



#30

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

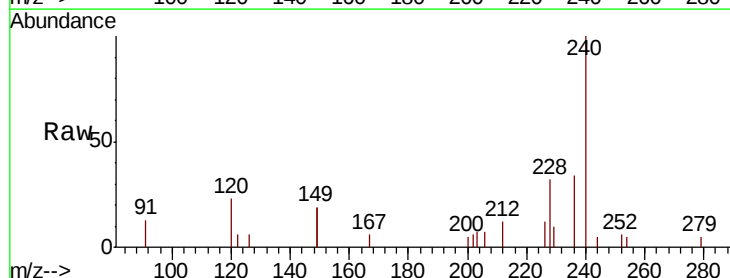
Tgt Ion:228 Resp: 503

Ion Ratio Lower Upper

228 100

226 38.2 21.5 32.3#

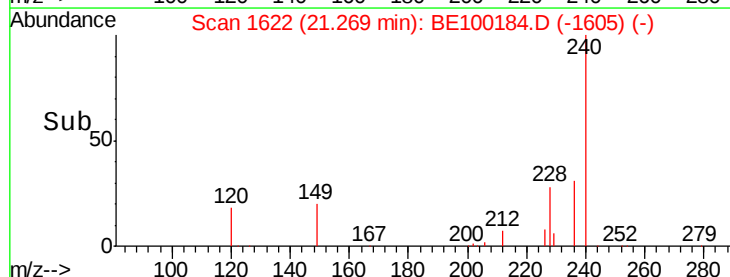
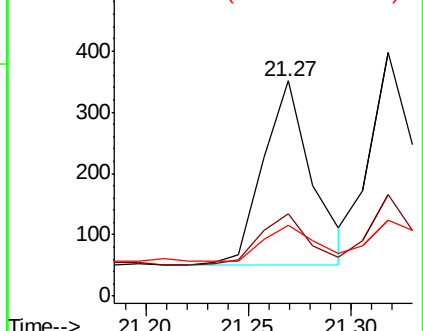
229 33.0 17.2 25.8#

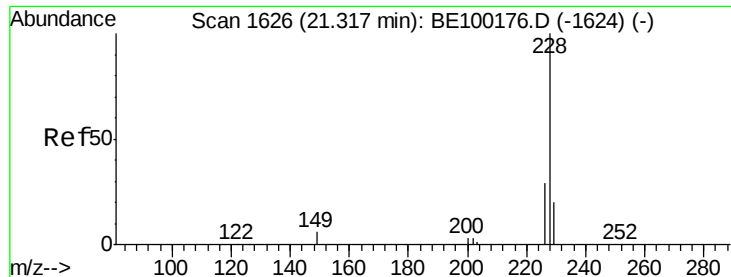


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.024 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

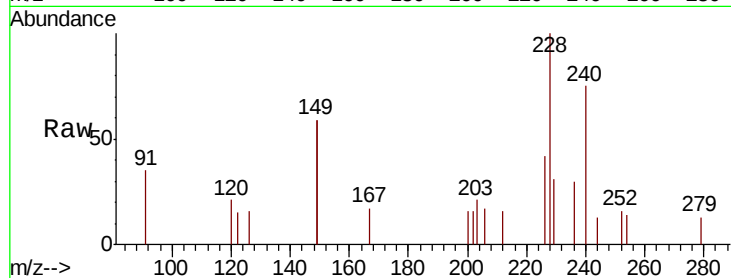
Tgt Ion:228 Resp: 501

Ion Ratio Lower Upper

228 100

226 41.6 23.7 35.5#

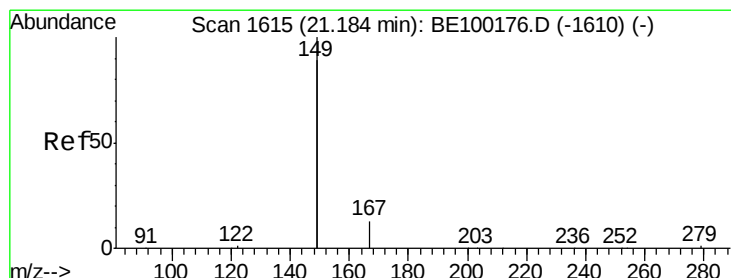
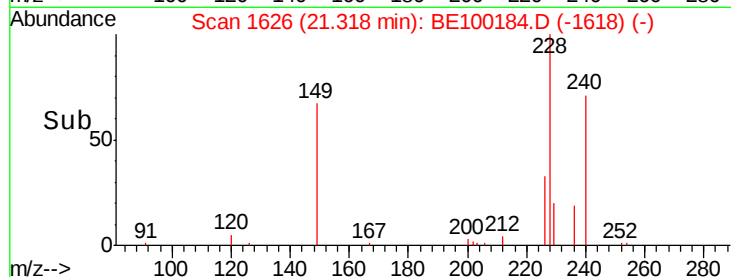
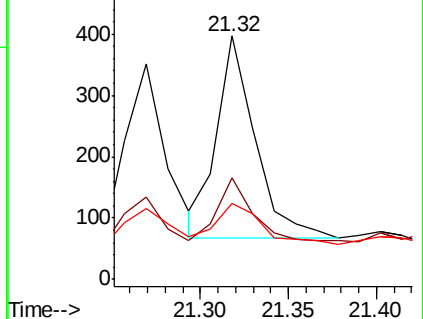
229 31.2 16.5 24.7#



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: 0.123 ng

RT: 21.18 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

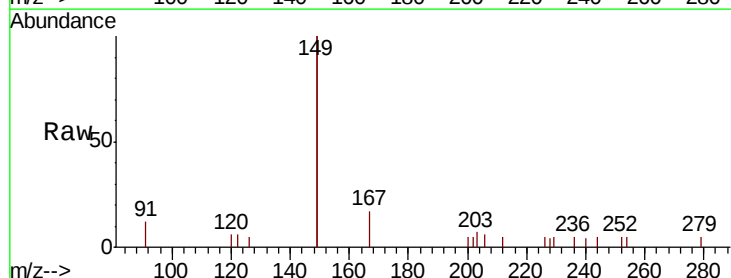
Tgt Ion:149 Resp: 2523

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

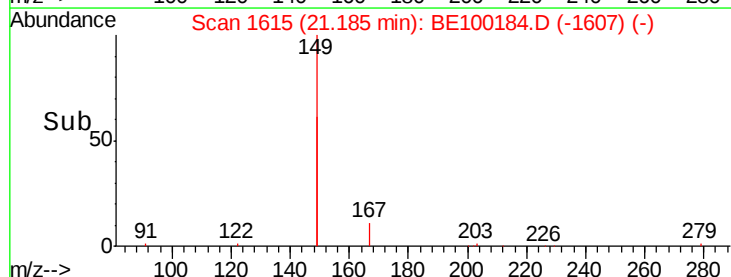
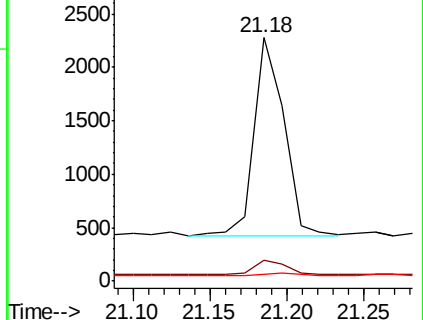
279 1.5 1.0 1.6

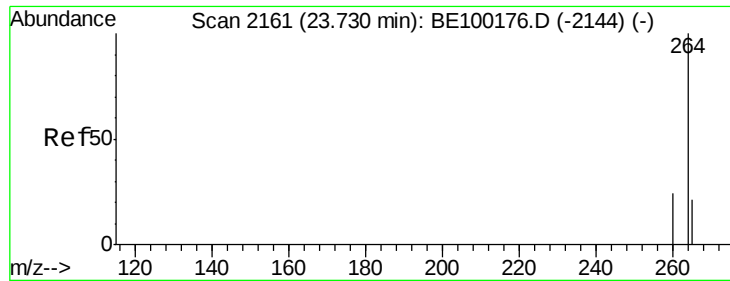


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

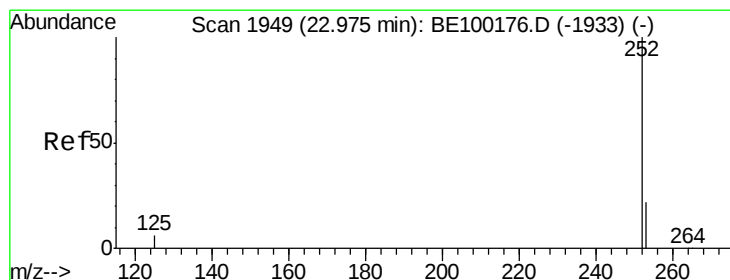
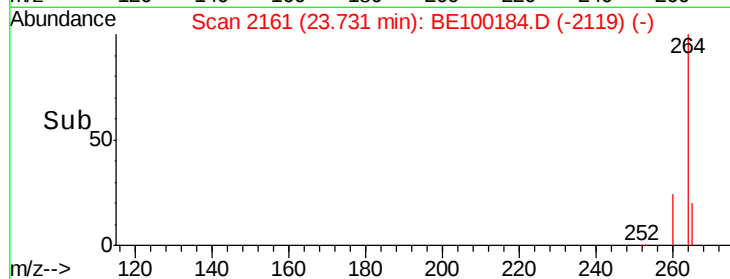
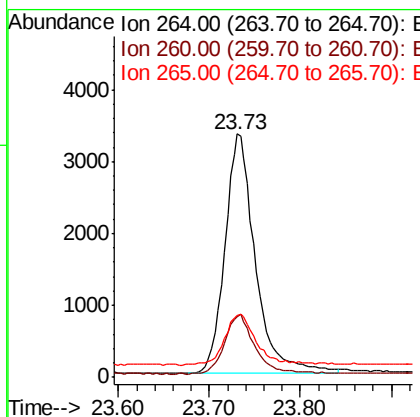
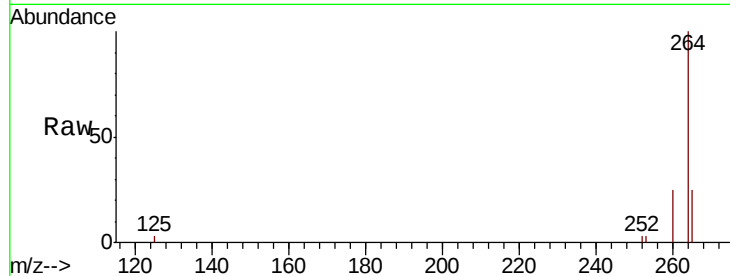




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BE100184.D
Acq: 25 Jun 2019 17:56

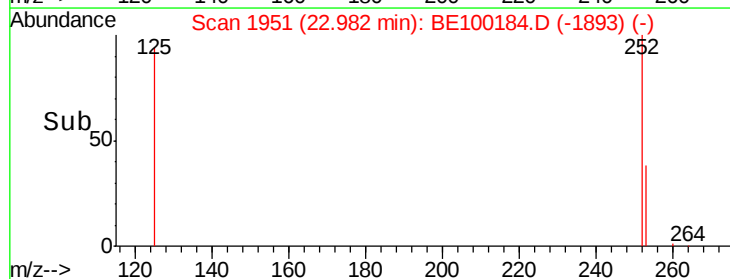
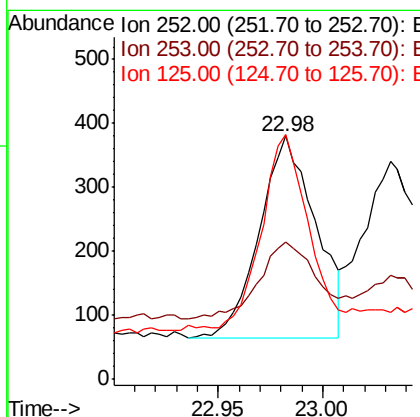
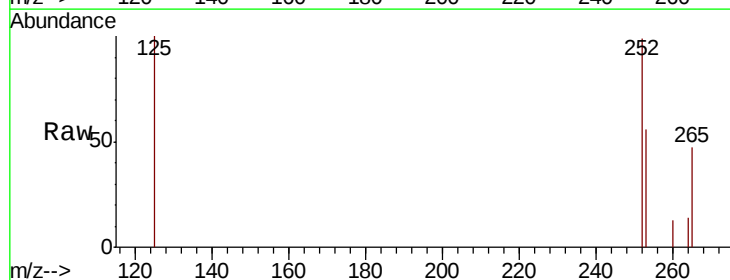
Instrument :
BNA_E
ClientSampleId :
LF017MW003-190610

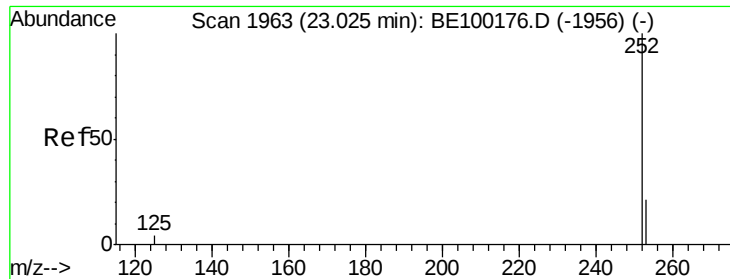
Tgt Ion: 264 Resp: 7772
Ion Ratio Lower Upper
264 100
260 25.1 20.4 30.6
265 25.2 22.5 33.7



#35
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 22.98 min Scan# 1951
Delta R.T. 0.01 min
Lab File: BE100184.D
Acq: 25 Jun 2019 17:56

Tgt Ion: 252 Resp: 589
Ion Ratio Lower Upper
252 100
253 56.1 19.0 28.4#
125 100.5 6.3 9.5#





#36

Benzo(k)fluoranthene

Concen: 0.021 ng

RT: 23.03 min Scan# 1965

Delta R.T. 0.01 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

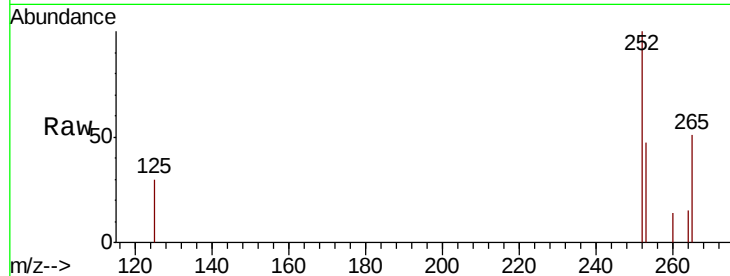
Tgt Ion:252 Resp: 528

Ion Ratio Lower Upper

252 100

253 47.4 18.4 27.6#

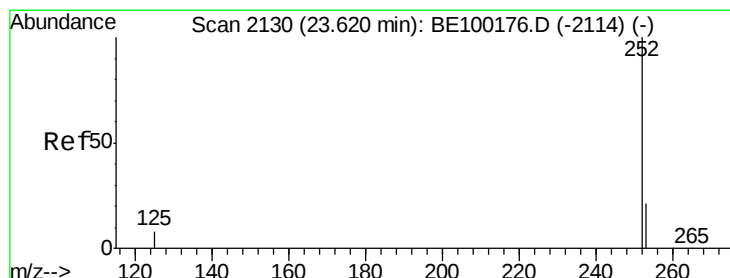
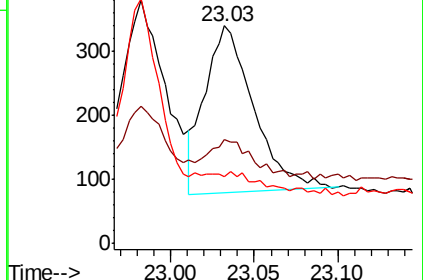
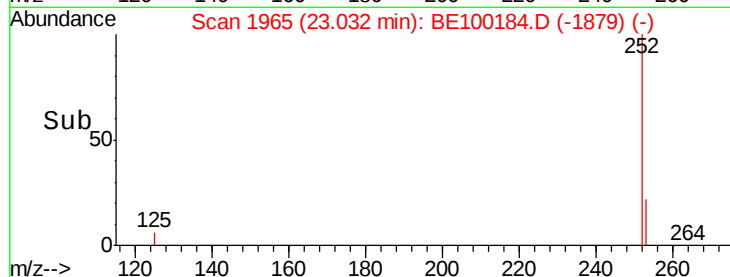
125 30.3 5.0 7.4#



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



#37

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.62 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

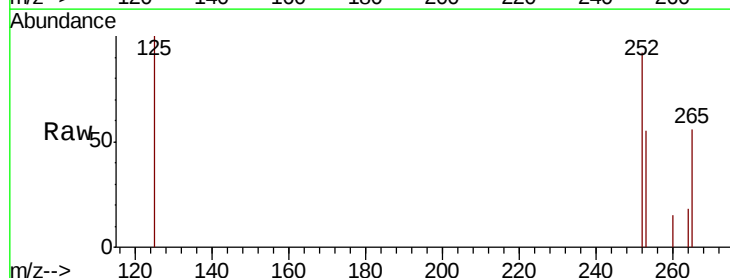
Tgt Ion:252 Resp: 543

Ion Ratio Lower Upper

252 100

253 59.6 19.2 28.8#

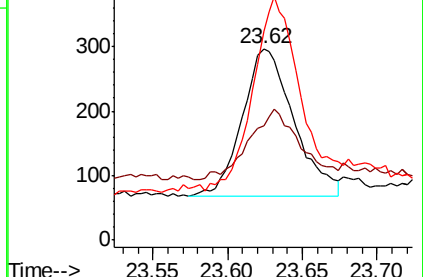
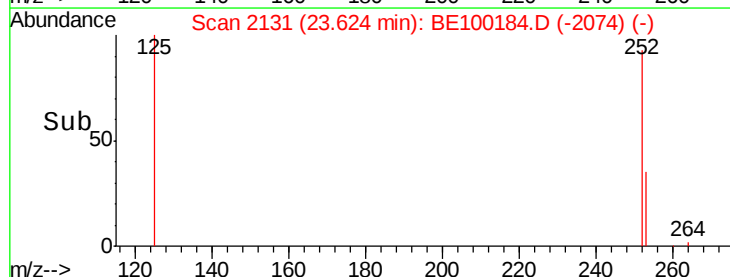
125 108.8 8.2 12.2#

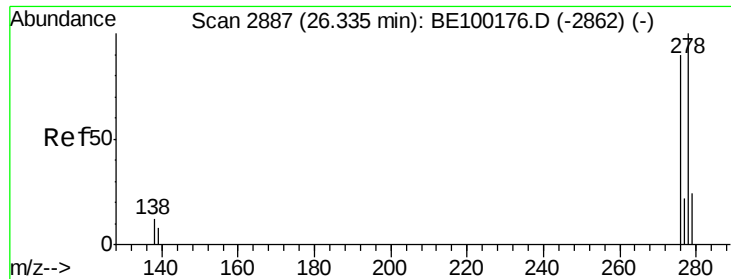


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.020 ng

RT: 26.35 min Scan# 2892

Delta R.T. 0.02 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

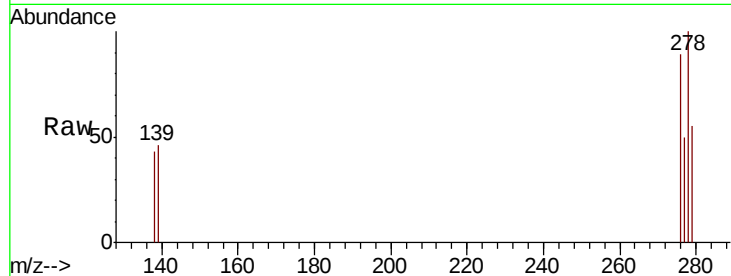
Tgt Ion: 278 Resp: 466

Ion Ratio Lower Upper

278 100

139 45.9 9.0 13.4#

279 55.4 21.1 31.7#



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

26.35

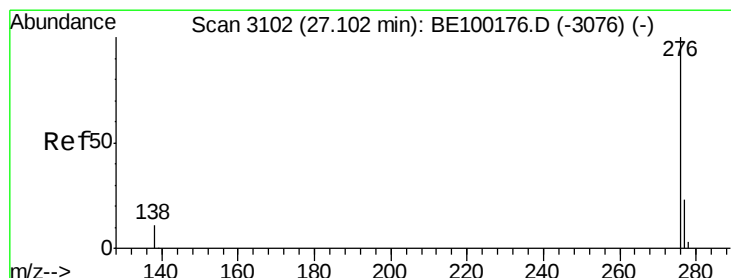
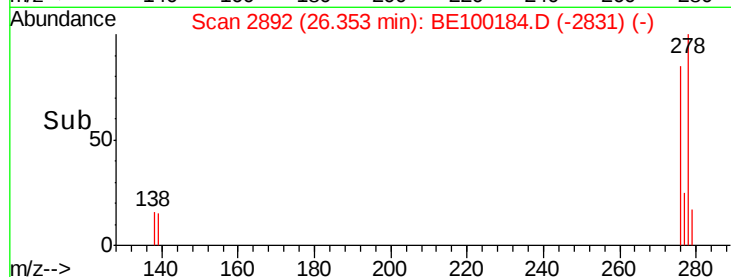
150

100

50

0

Time--> 26.20 26.30 26.40



#39

Benzo(g,h,i)perylene

Concen: 0.023 ng

RT: 27.12 min Scan# 3107

Delta R.T. 0.02 min

Lab File: BE100184.D

Acq: 25 Jun 2019 17:56

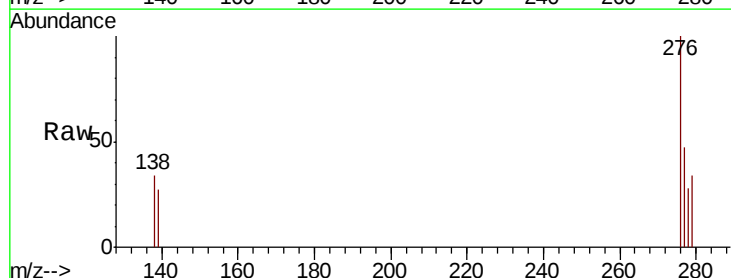
Tgt Ion: 276 Resp: 550

Ion Ratio Lower Upper

276 100

277 46.9 19.8 29.6#

138 33.5 10.2 15.4#



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

27.12

250

200

150

100

50

0

Time--> 27.00 27.10 27.20

