

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062019\
 Data File : BE100124.D
 Acq On : 21 Jun 2019 1:29
 Operator : JU/SJ
 Sample : K3309-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW003-190610

Quant Time: Jun 21 02:25:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	558	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	1963	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	1661	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	5576	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	8781	0.40	ng	0.00
34) Perylene-d12	23.83	264	10102	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	225	0.19	ng	-0.01
5) Phenol-d6	6.91	99	153	0.10	ng	-0.02
8) Nitrobenzene-d5	8.90	82	746	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	1202	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	405	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2949	0.45	ng	-0.01
25) Fluoranthene-d10	19.19	212	28705	0.36	ng	0.00
29) Terphenyl-d14	19.79	244	9243	0.53	ng	-0.02

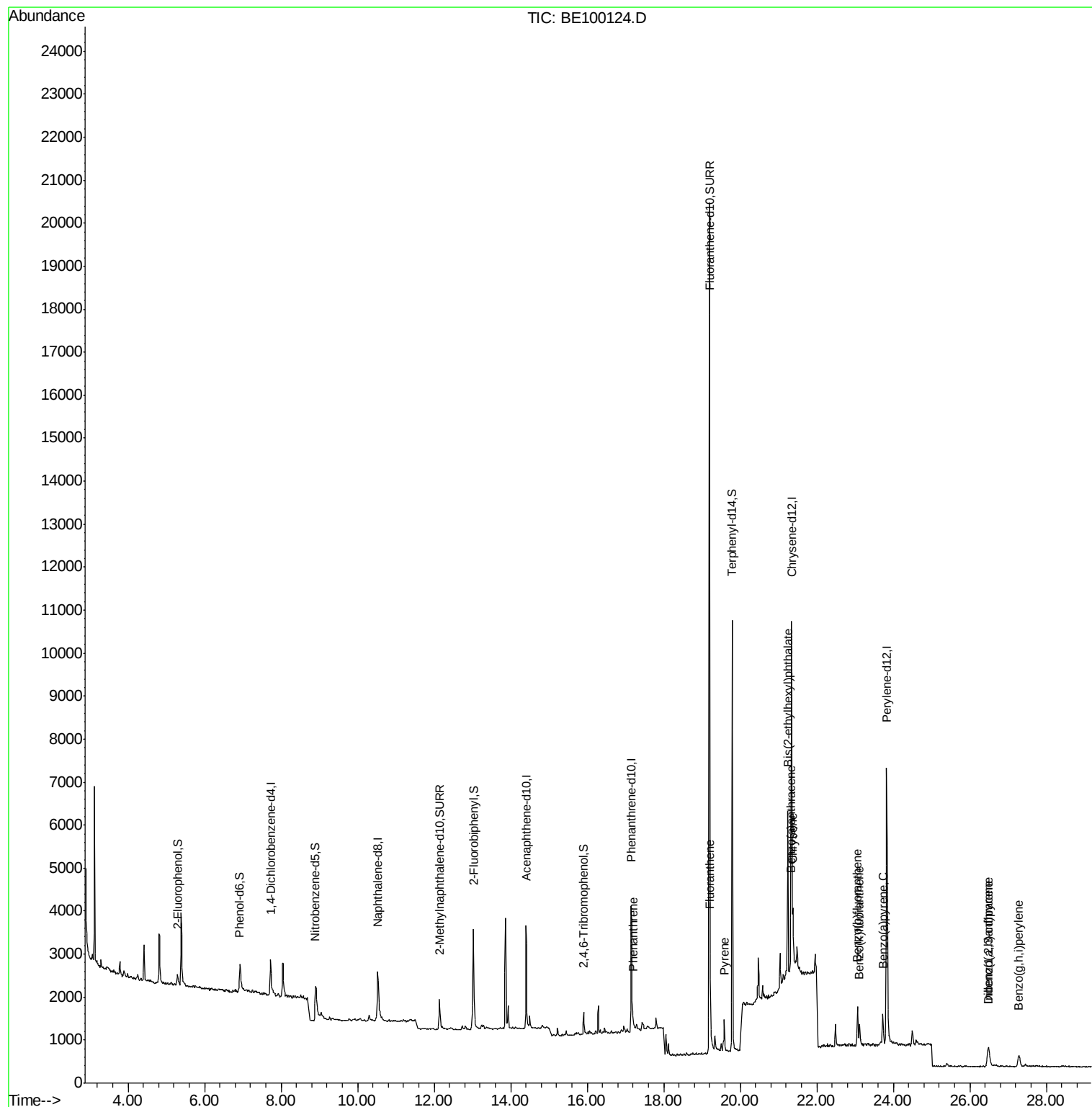
Target Compounds						Qvalue
23) Phenanthrene	17.20	178	372	0.028	ng	# 88
26) Fluoranthene	19.22	202	762	0.036	ng	# 90
28) Pyrene	19.58	202	734	0.033	ng	# 93
30) Benzo(a)anthracene	21.32	228	822	0.031	ng	# 80
31) Chrysene	21.38	228	792	0.026	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.25	149	4506	0.183	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.47	276	838	0.025	ng	# 92
35) Benzo(b)fluoranthene	23.07	252	811	0.027	ng	# 1
36) Benzo(k)fluoranthene	23.11	252	749	0.022	ng	# 30
37) Benzo(a)pyrene	23.72	252	707	0.025	ng	# 1
38) Dibenzo(a,h)anthracene	26.49	278	598	0.020	ng	# 39
39) Benzo(g,h,i)perylene	27.28	276	760	0.025	ng	# 62

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

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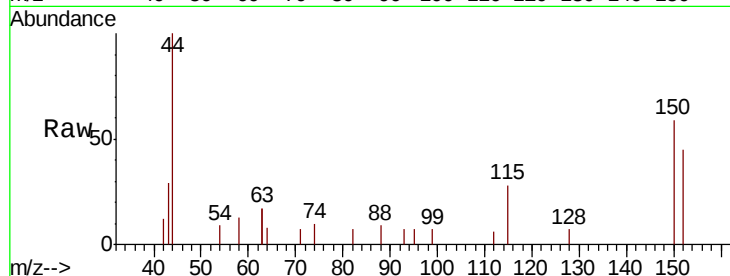


#1

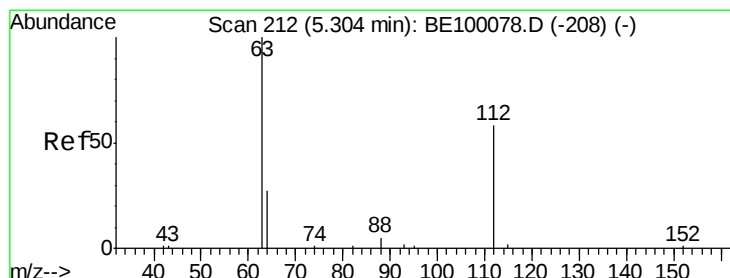
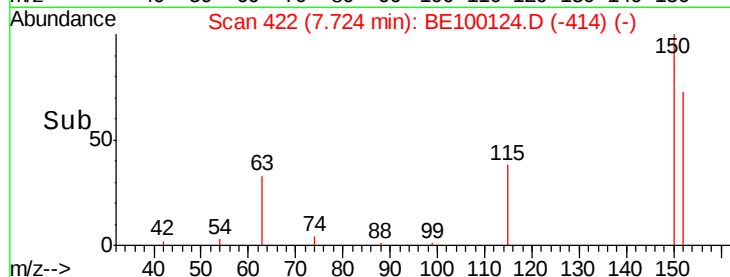
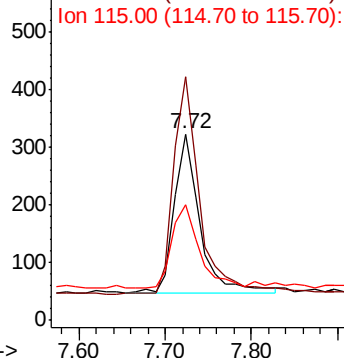
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Instrument :
BNA_E
ClientSampleId :
LF017MW003-190610

Tot Ion:152 Resp: 558
Ion Ratio Lower Upper
152 100
150 130.7 99.8 149.8
115 61.9 51.3 76.9



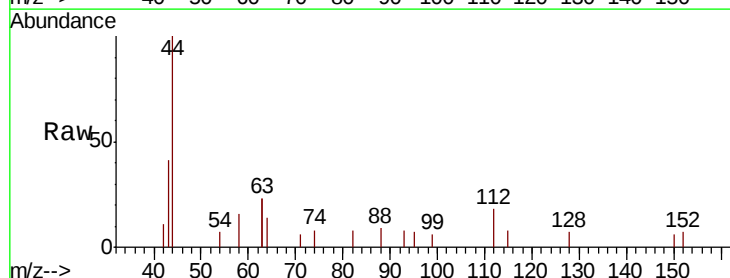
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



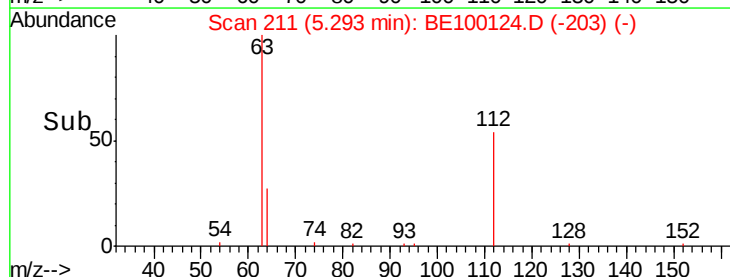
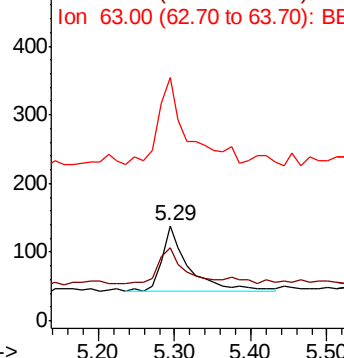
#4

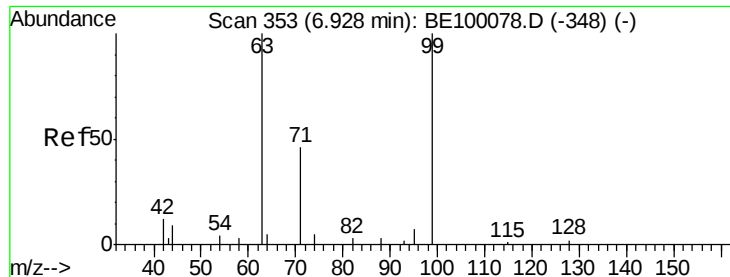
2-Fluorophenol
Concen: 0.194 ng
RT: 5.29 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Tgt Ion:112 Resp: 225
Ion Ratio Lower Upper
112 100
64 53.3 22.0 33.0#
63 155.1 121.8 182.6



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: 0.096 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

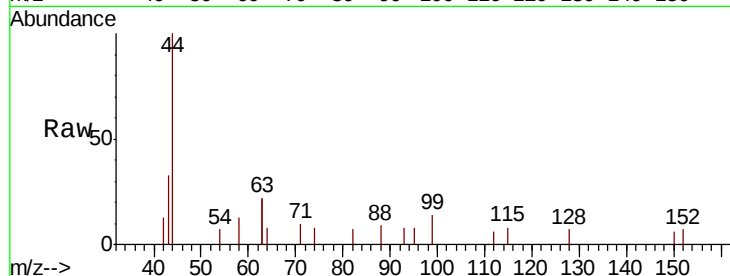
Tot Ion: 99 Resp: 153

Ion Ratio Lower Upper

99 100

42 45.8 0.0 0.0#

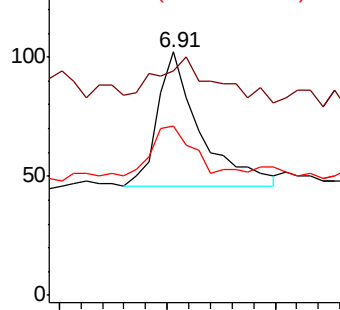
71 36.6 37.6 56.4#



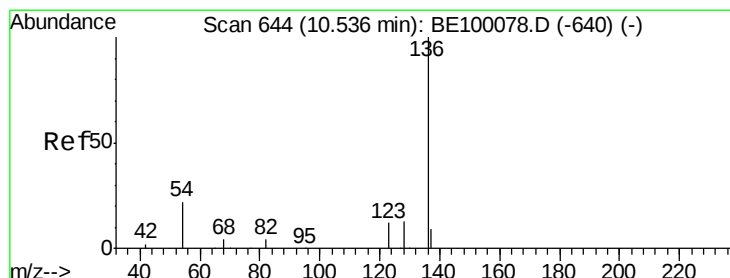
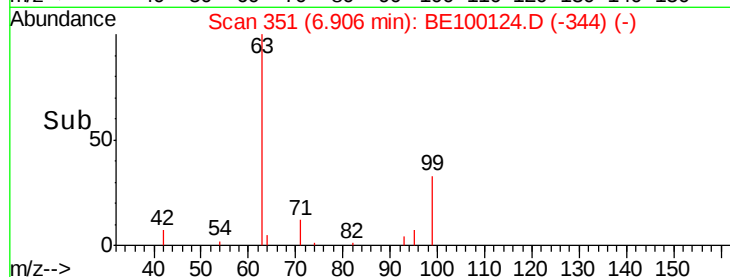
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time--> 6.80 6.90 7.00



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 643

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

Tgt Ion: 136 Resp: 1963

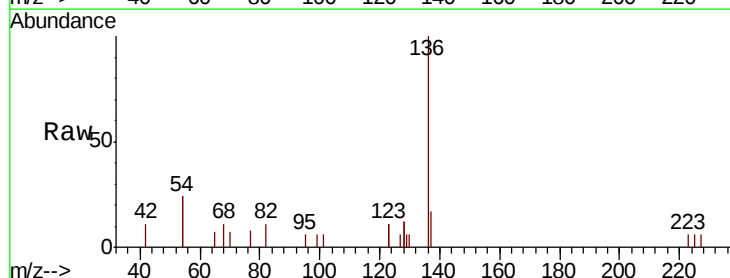
Ion Ratio Lower Upper

136 100

137 17.2 11.6 17.4

54 48.6 33.9 50.9

68 11.3 7.8 11.8

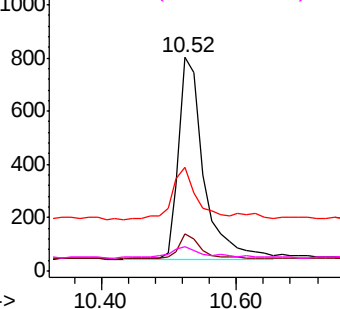


Abundance Ion 136.00 (135.70 to 136.70): BE1

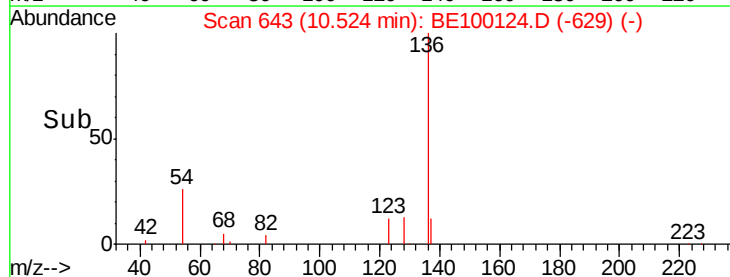
Ion 137.00 (136.70 to 137.70): BE1

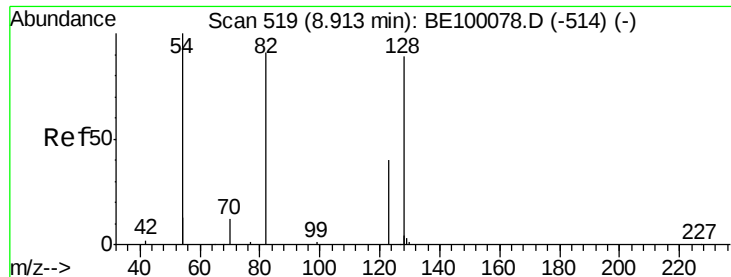
Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



Time--> 10.40 10.60





#8

Nitrobenzene-d5

Concen: 0.392 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

Instrument :

BNA_E

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LF017MW003-190610

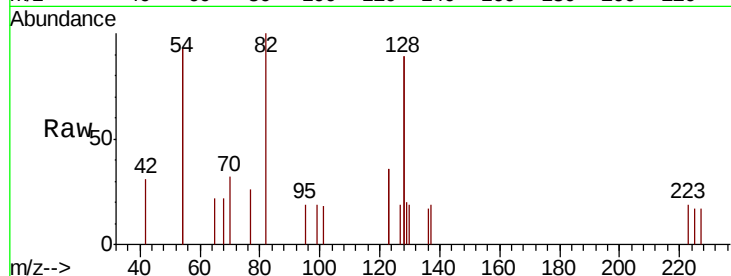
Tot Ion: 82 Resp: 746

Ion Ratio Lower Upper

82 100

128 177.6 128.0 192.0

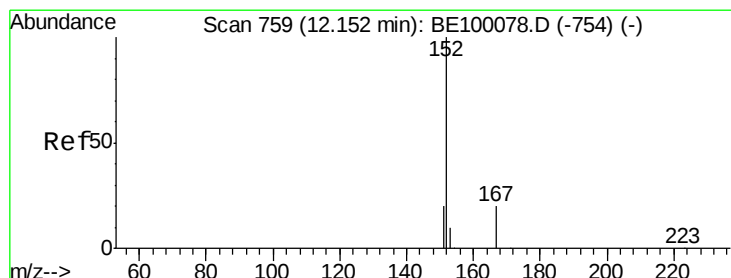
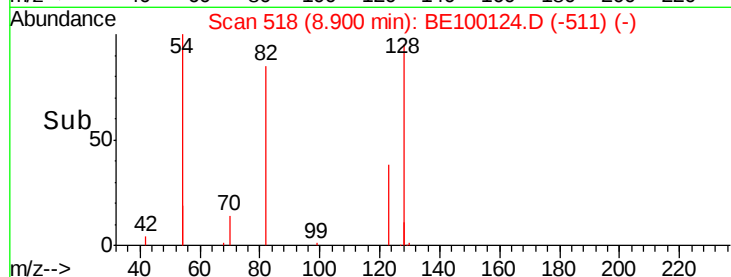
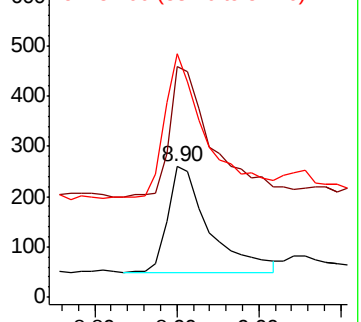
54 186.9 143.4 215.0



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: 0.322 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100124.D

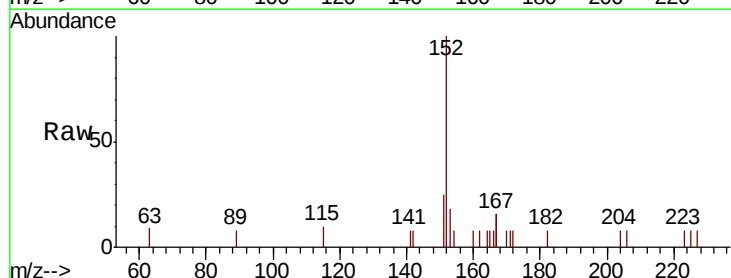
Acq: 21 Jun 2019 1:29

Tgt Ion: 152 Resp: 1202

Ion Ratio Lower Upper

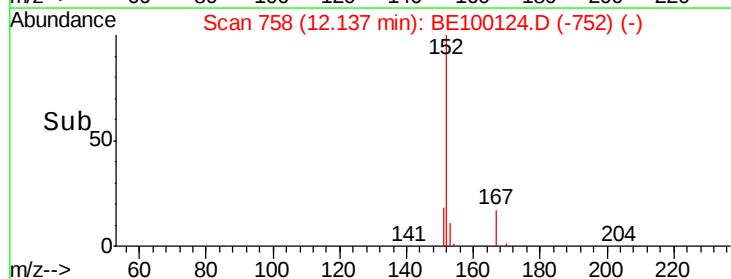
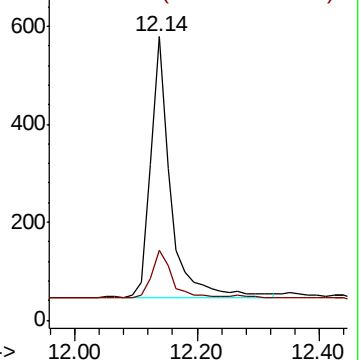
152 100

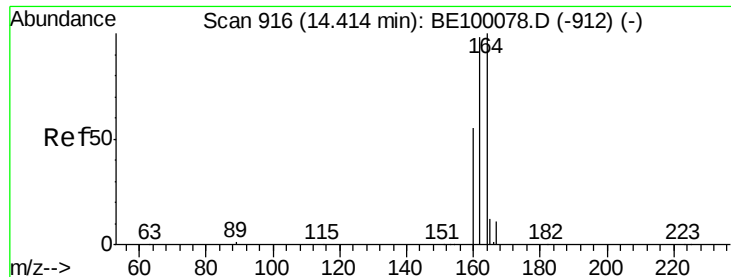
151 19.4 16.3 24.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

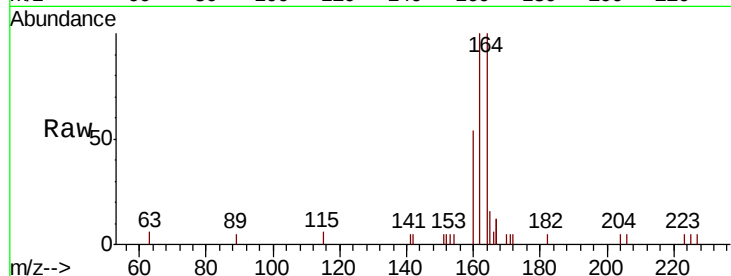




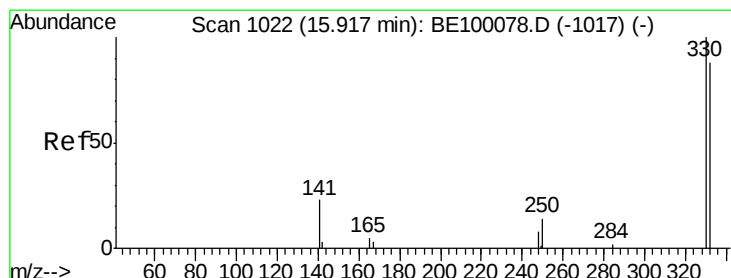
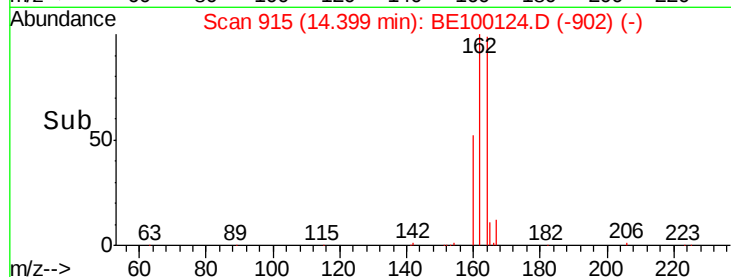
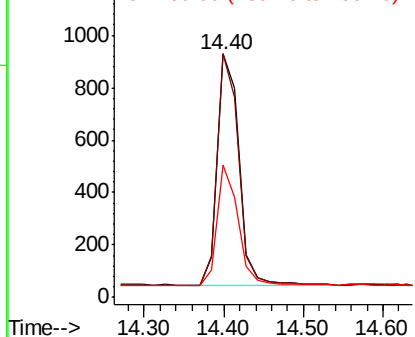
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Instrument :
BNA_E
ClientSampleId :
LF017MW003-190610

Tot Ion:164 Resp: 1661
Ion Ratio Lower Upper
164 100
162 100.1 78.2 117.2
160 54.5 45.6 68.4

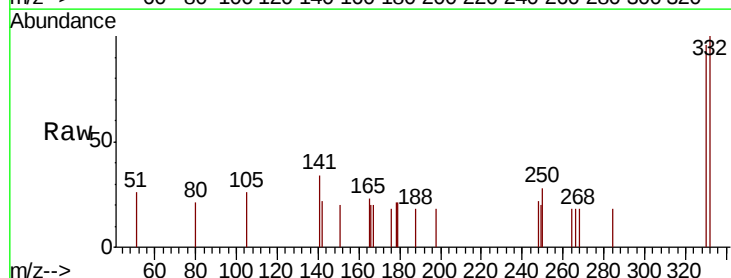


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

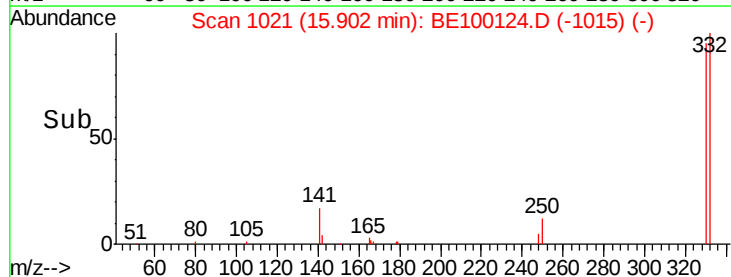
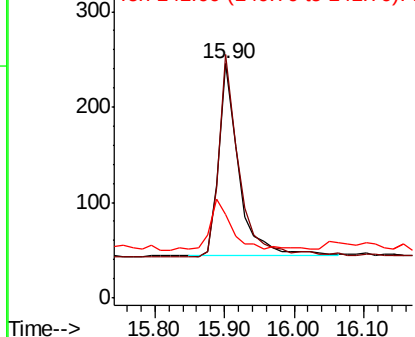


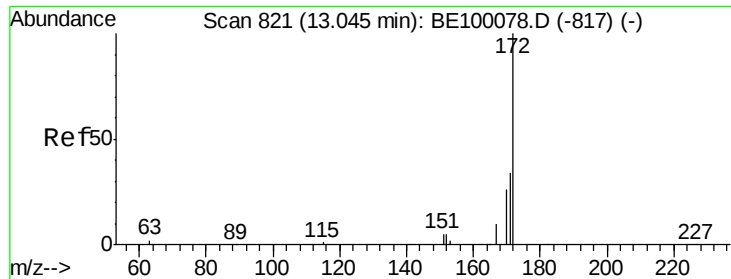
#14
2,4,6-Tribromophenol
Concen: 0.442 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Tgt Ion:330 Resp: 405
Ion Ratio Lower Upper
330 100
332 107.4 73.3 109.9
141 28.1 22.2 33.2



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

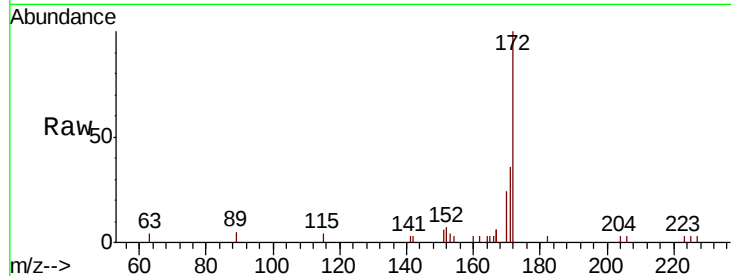




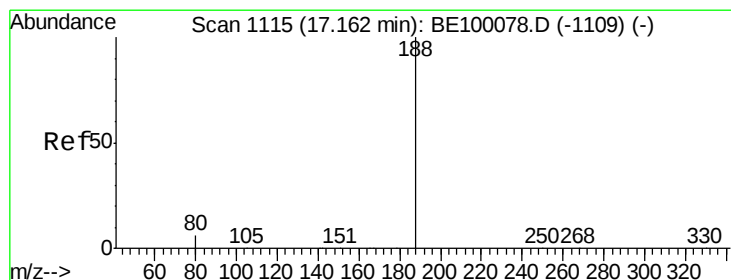
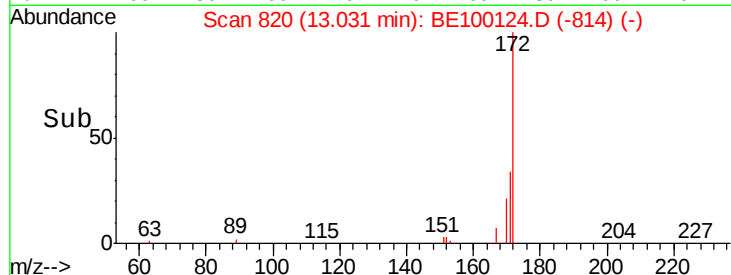
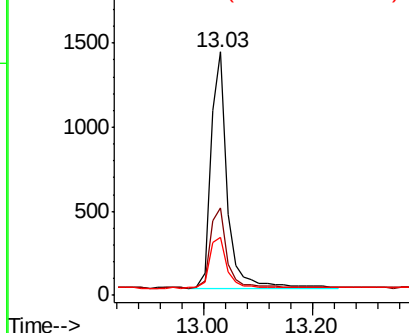
#15
2-Fluorobiphenyl
Concen: 0.451 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Instrument :
BNA_E
ClientSampleId :
LF017MW003-190610

Tot Ion:172 Resp: 2949
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.8
170 23.6 23.2 34.8

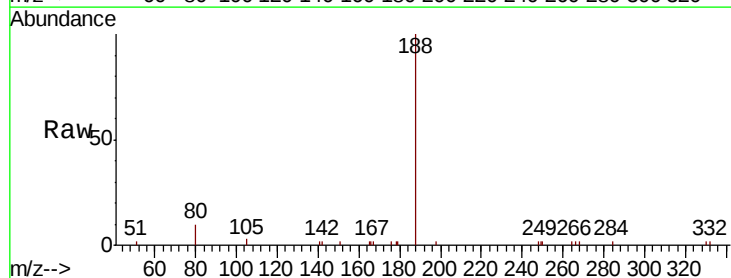


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

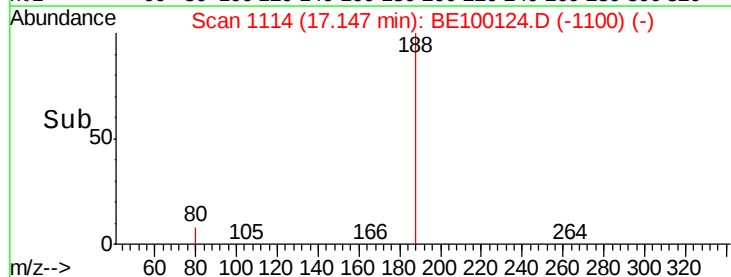
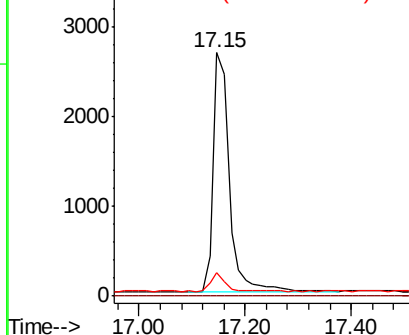


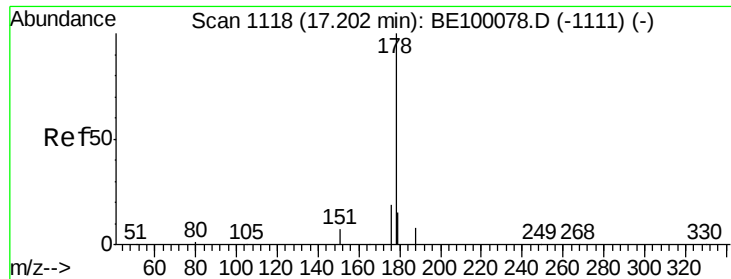
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Tgt Ion:188 Resp: 5576
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 6.3 9.5#



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





#23

Phenanthrene

Concen: 0.028 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

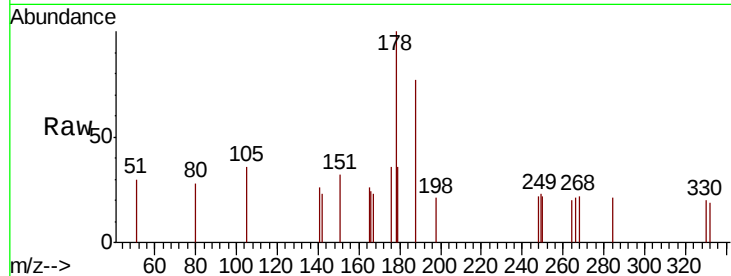
Tot Ion:178 Resp: 372

Ion Ratio Lower Upper

178 100

176 25.0 15.9 23.9#

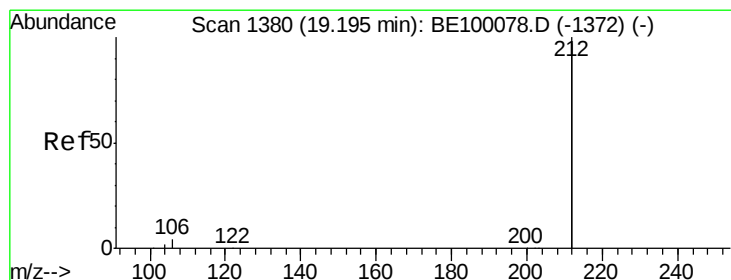
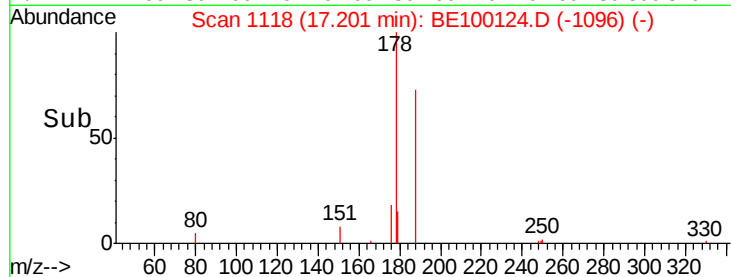
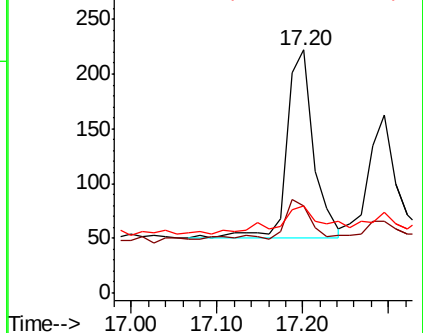
179 22.3 13.1 19.7#



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



#25

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

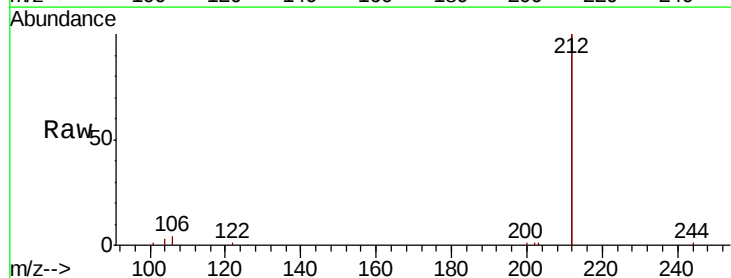
Tgt Ion:212 Resp: 28705

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.0

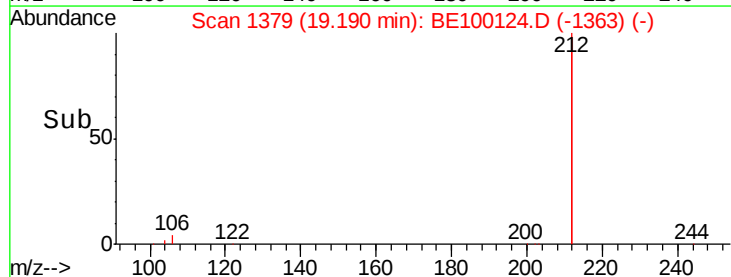
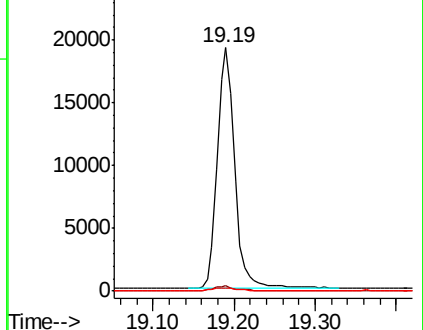
104 1.0 0.8 1.2

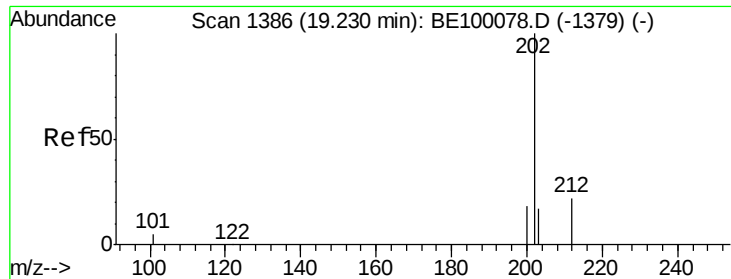


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

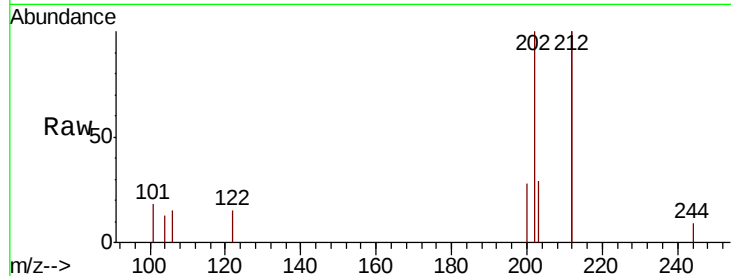




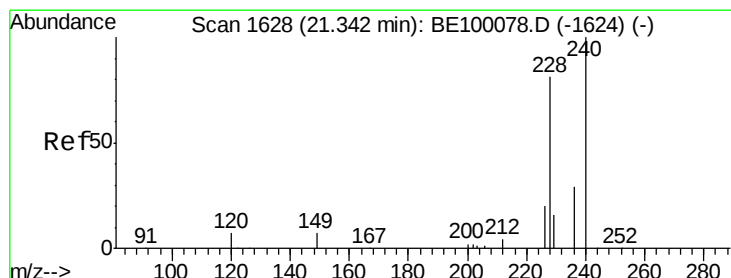
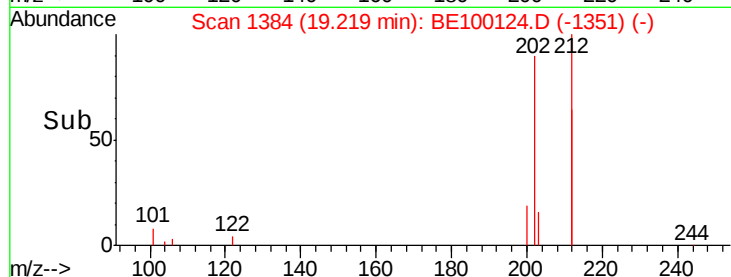
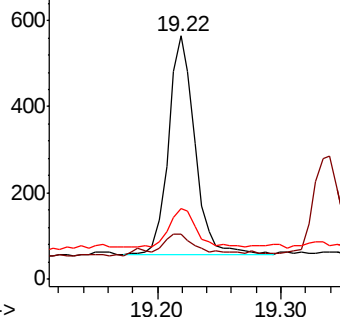
#26
 Fluoranthene
 Concen: 0.036 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BE100124.D
 Acq: 21 Jun 2019 1:29

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW003-190610

Tot Ion:202 Resp: 762
 Ion Ratio Lower Upper
 202 100
 101 14.6 5.0 7.4#
 203 18.9 13.7 20.5

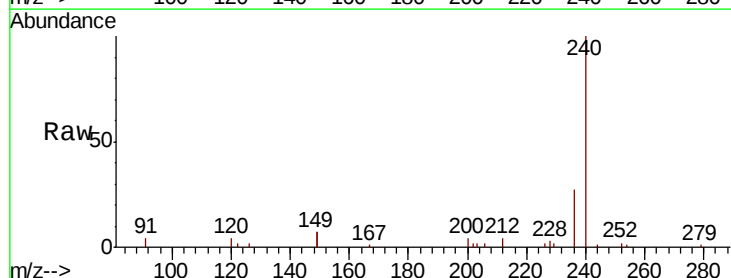


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

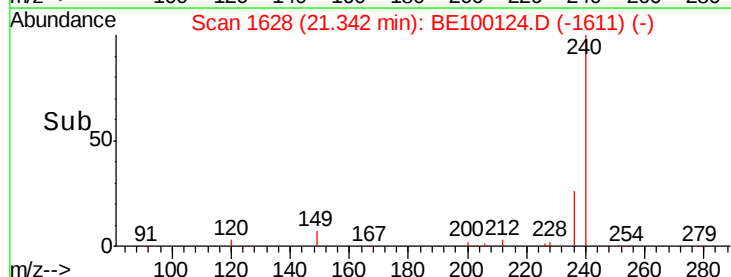
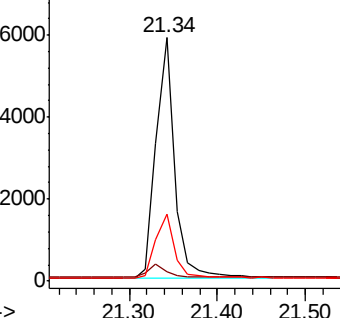


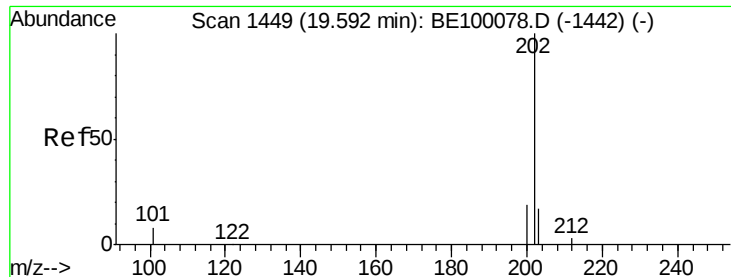
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BE100124.D
 Acq: 21 Jun 2019 1:29

Tgt Ion:240 Resp: 8781
 Ion Ratio Lower Upper
 240 100
 120 4.0 6.6 10.0#
 236 27.3 23.8 35.6



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

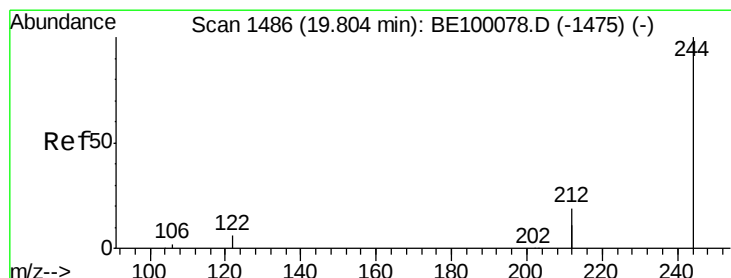
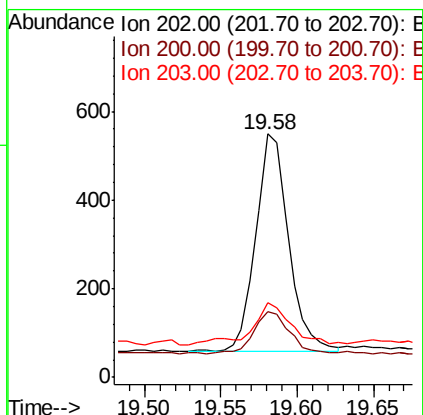
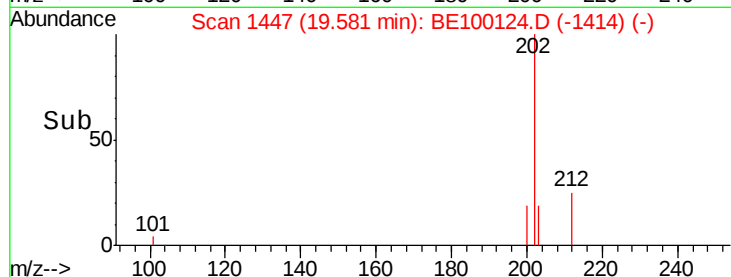
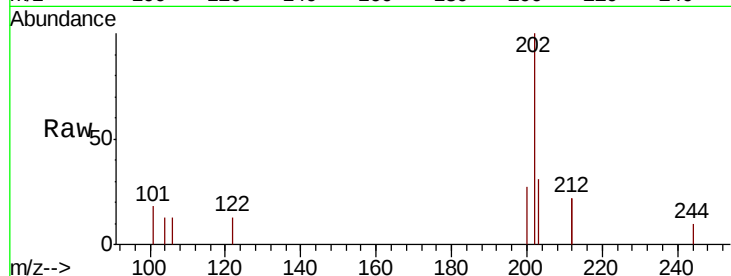




#28
Pvrene
Concen: 0.033 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

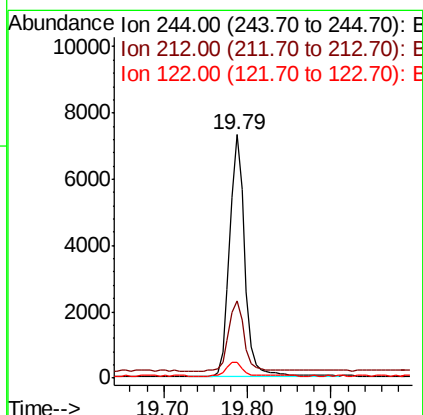
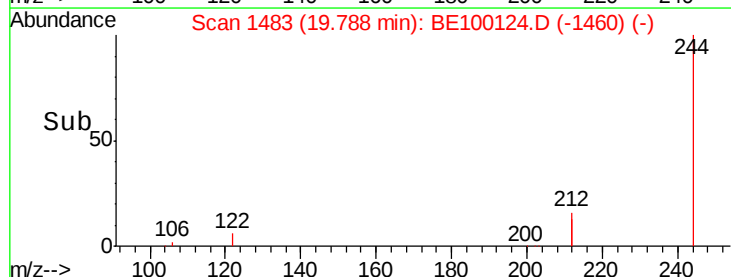
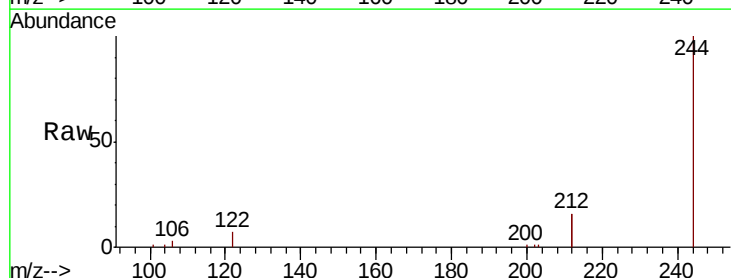
Instrument :
BNA_E
ClientSampleId :
LF017MW003-190610

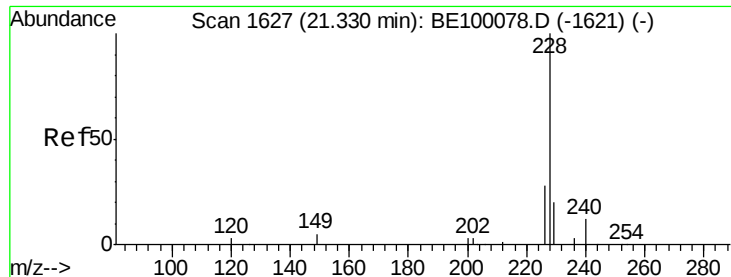
Tot Ion:202 Resp: 734
Ion Ratio Lower Upper
202 100
200 20.6 15.6 23.4
203 22.5 13.9 20.9#



#29
Terphenyl-d14
Concen: 0.526 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Tgt Ion:244 Resp: 9243
Ion Ratio Lower Upper
244 100
212 31.7 29.8 44.8
122 6.5 6.1 9.1





#30

Benzo(a)anthracene

Concen: 0.031 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

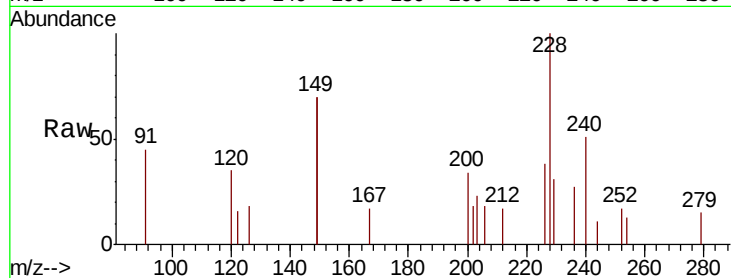
Tot Ion:228 Resp: 822

Ion Ratio Lower Upper

228 100

226 38.0 23.0 34.4#

229 31.4 16.4 24.6#

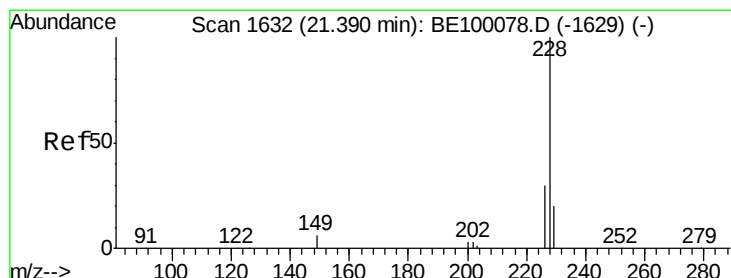
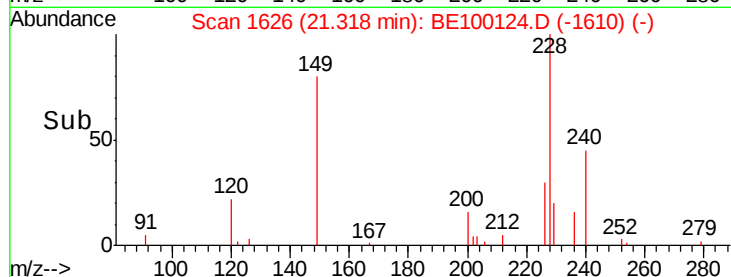
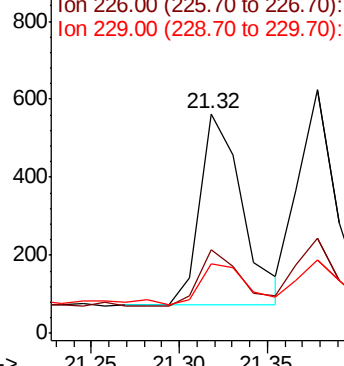


Abundance

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



#31

Chrysene

Concen: 0.026 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

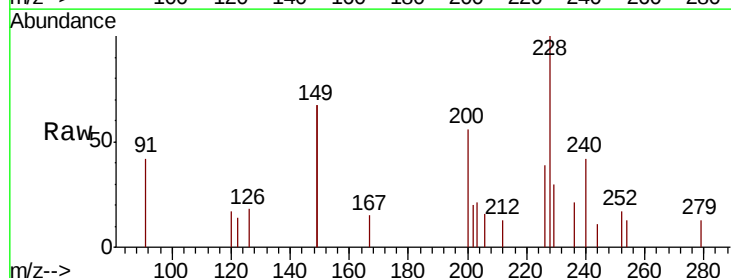
Tgt Ion:228 Resp: 792

Ion Ratio Lower Upper

228 100

226 38.9 23.8 35.8#

229 30.0 16.3 24.5#

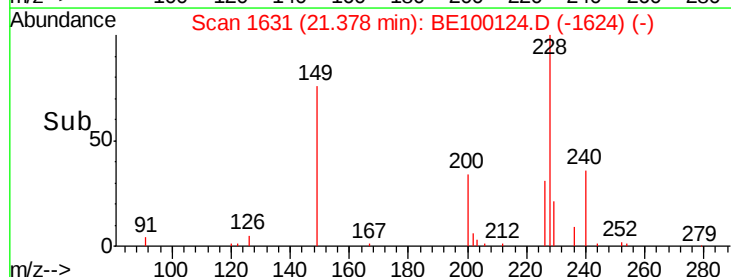
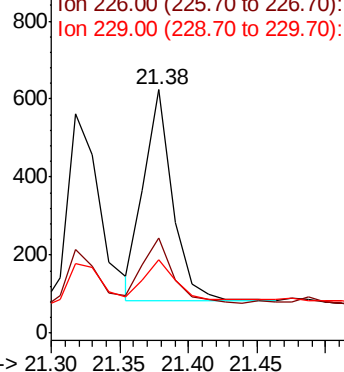


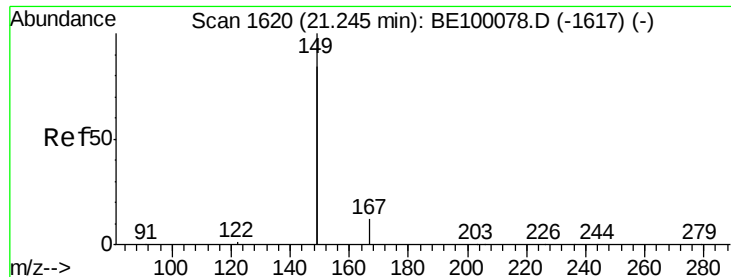
Abundance

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

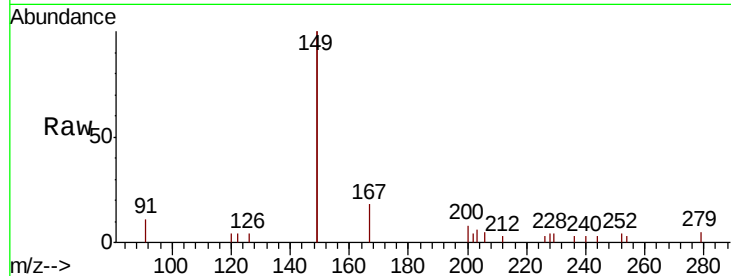




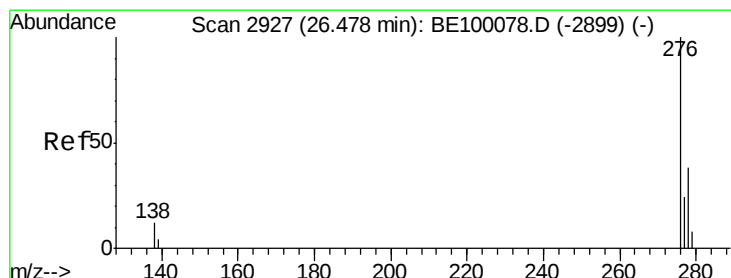
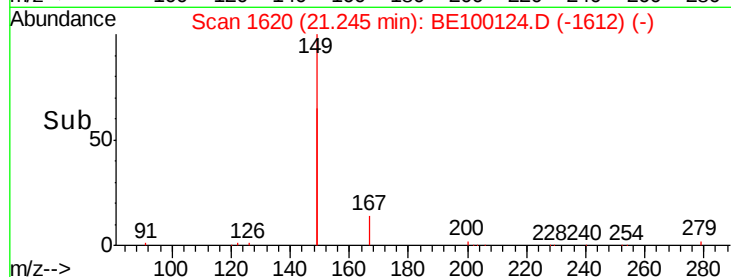
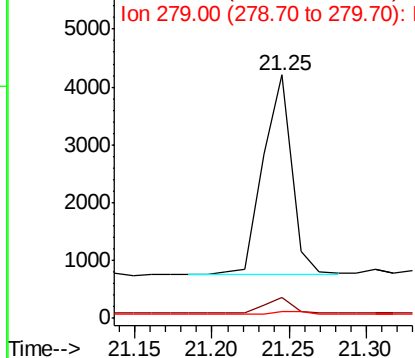
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.183 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100124.D
 Acq: 21 Jun 2019 1:29

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW003-190610

Tot Ion:149 Resp: 4506
 Ion Ratio Lower Upper
 149 100
 167 7.8 5.8 8.6
 279 1.9 1.1 1.7#

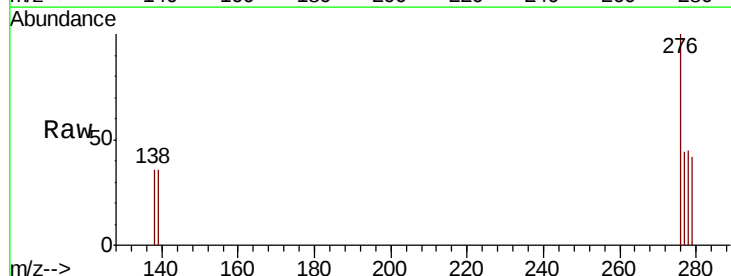


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

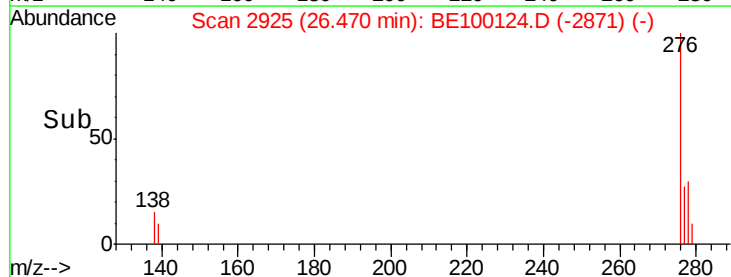
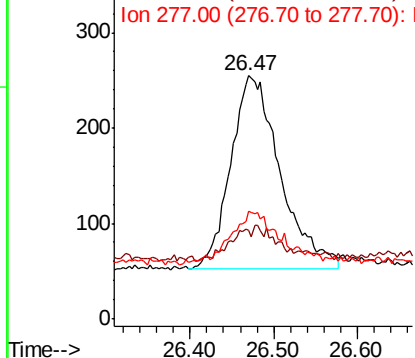


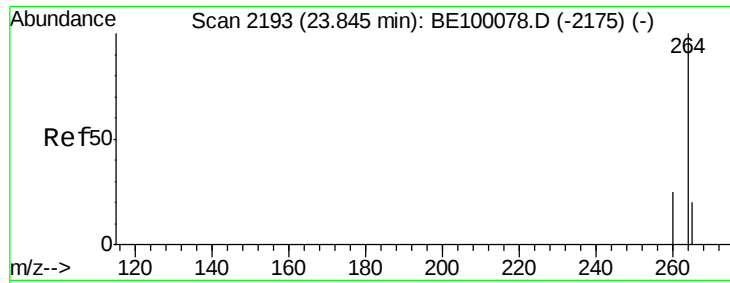
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.025 ng
 RT: 26.47 min Scan# 2925
 Delta R.T. -0.01 min
 Lab File: BE100124.D
 Acq: 21 Jun 2019 1:29

Tgt Ion:276 Resp: 838
 Ion Ratio Lower Upper
 276 100
 138 8.0 4.3 6.5#
 277 20.2 19.4 29.0



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

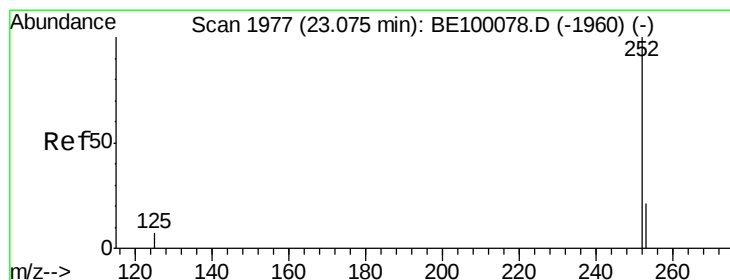
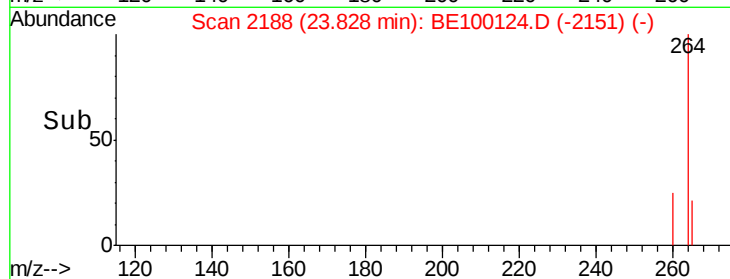
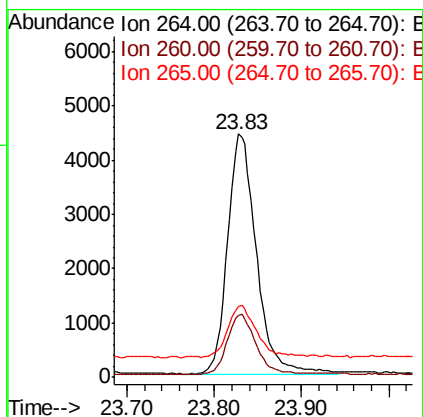
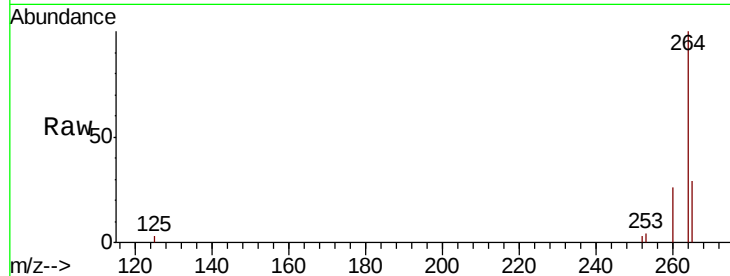




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

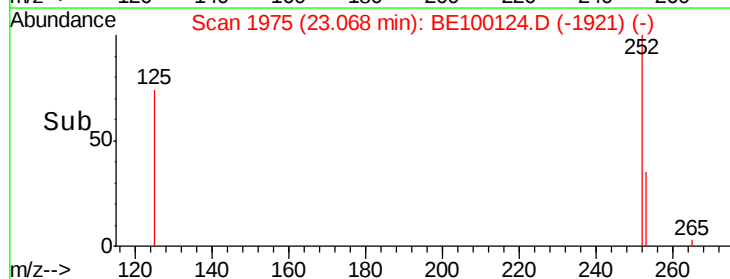
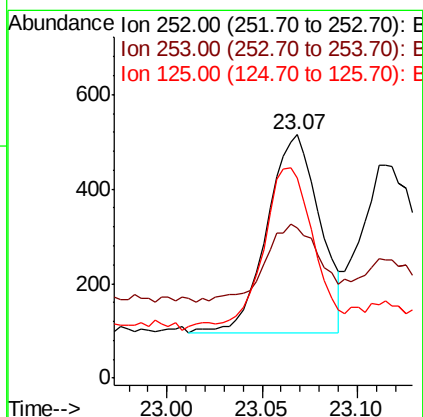
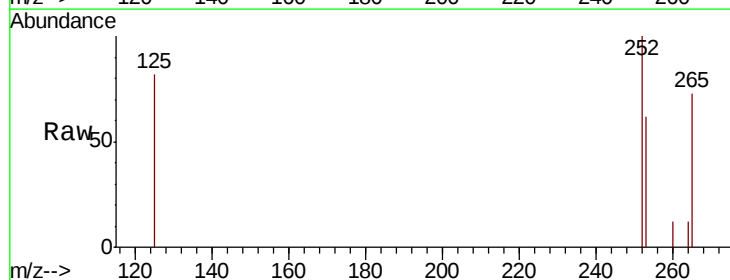
Instrument :
BNA_E
ClientSampleId :
LF017MW003-190610

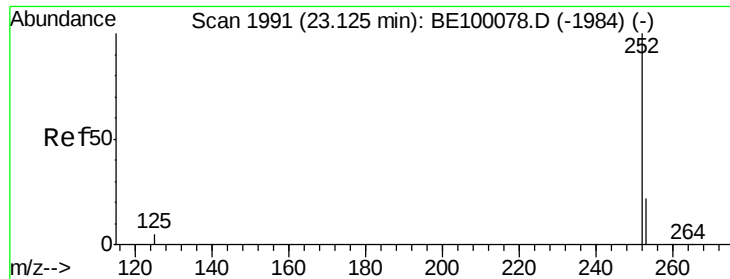
Tot Ion:264 Resp: 10102
Ion Ratio Lower Upper
264 100
260 25.6 20.8 31.2
265 28.8 23.2 34.8



#35
Benzo(b)fluoranthene
Concen: 0.027 ng
RT: 23.07 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BE100124.D
Acq: 21 Jun 2019 1:29

Tgt Ion:252 Resp: 811
Ion Ratio Lower Upper
252 100
253 61.7 18.4 27.6#
125 82.1 6.4 9.6#





#36

Benzo(k)fluoranthene

Concen: 0.022 ng

RT: 23.11 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

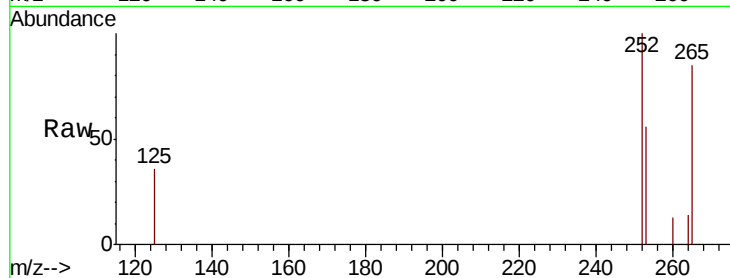
Tot Ion:252 Resp: 749

Ion Ratio Lower Upper

252 100

253 55.7 18.9 28.3#

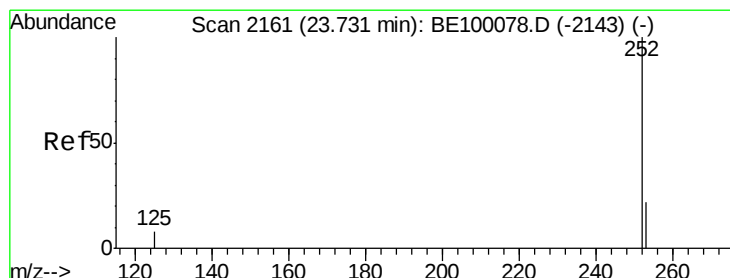
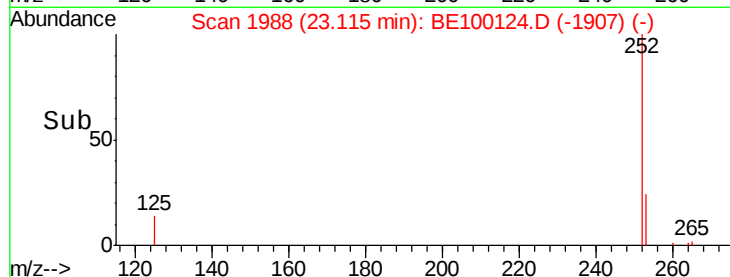
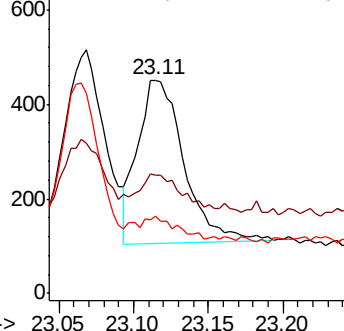
125 36.1 5.3 7.9#



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: 23.72 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

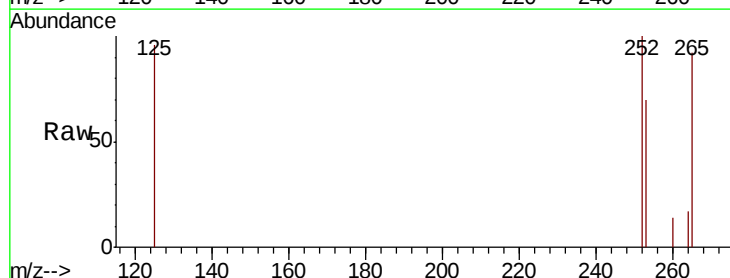
Tgt Ion:252 Resp: 707

Ion Ratio Lower Upper

252 100

253 70.4 19.4 29.2#

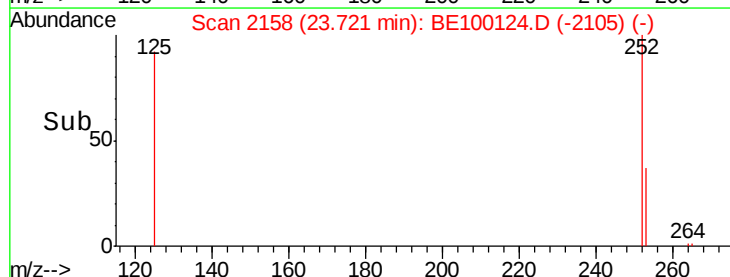
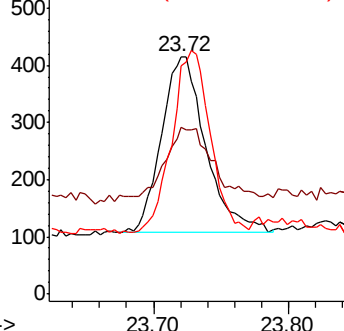
125 96.1 8.0 12.0#

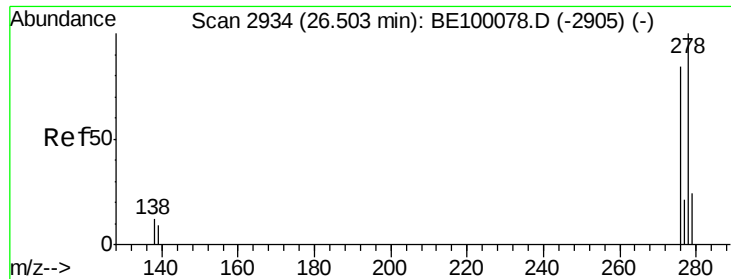


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.020 ng

RT: 26.49 min Scan# 2932

Delta R.T. -0.01 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

Instrument :

BNA_E

ClientSampleId :

LF017MW003-190610

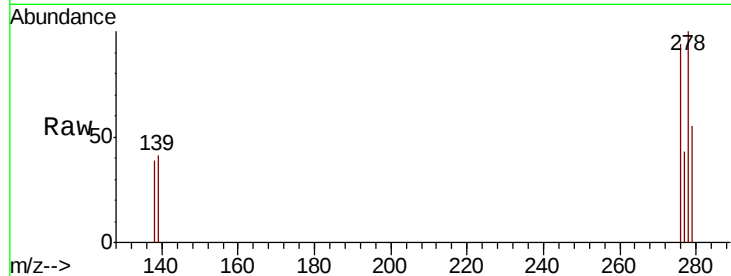
Tot Ion:278 Resp: 598

Ion Ratio Lower Upper

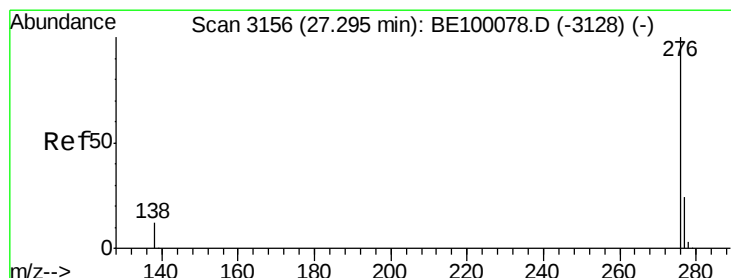
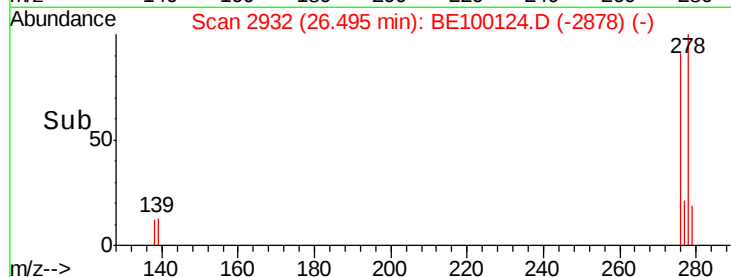
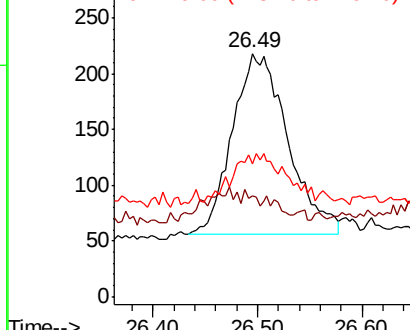
278 100

139 41.3 9.0 13.6#

279 54.6 21.4 32.0#



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: 0.025 ng

RT: 27.28 min Scan# 3152

Delta R.T. -0.02 min

Lab File: BE100124.D

Acq: 21 Jun 2019 1:29

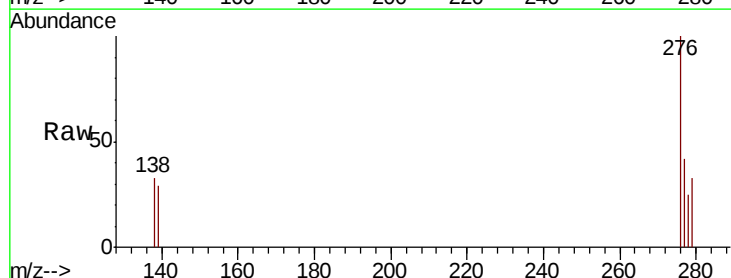
Tgt Ion:276 Resp: 760

Ion Ratio Lower Upper

276 100

277 41.9 20.3 30.5#

138 33.5 11.3 16.9#



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

