

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100219.D
 Acq On : 27 Jun 2019 23:54
 Operator : JU/SJ
 Sample : K3428-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 28 05:38:43 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	7.65	152	945	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	3383	0.40	ng	-0.03
13) Acenaphthene-d10	14.33	164	2639	0.40	ng	-0.01
19) Phenanthrene-d10	17.07	188	7267	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	9734	0.40	ng	-0.04
34) Perylene-d12	23.67	264	11047	0.40	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	756	0.36	ng	-0.01
5) Phenol-d6	6.84	99	1042	0.36	ng	-0.04
8) Nitrobenzene-d5	8.82	82	984	0.29	ng	-0.03
11) 2-Methylnaphthalene-d10	12.05	152	2347	0.37	ng	-0.03
14) 2,4,6-Tribromophenol	15.82	330	545	0.36	ng	-0.03
15) 2-Fluorobiphenyl	12.94	172	2982	0.28	ng	-0.03
25) Fluoranthene-d10	19.10	212	36352	0.35	ng	-0.03
29) Terphenyl-d14	19.70	244	5171	0.27	ng	-0.03

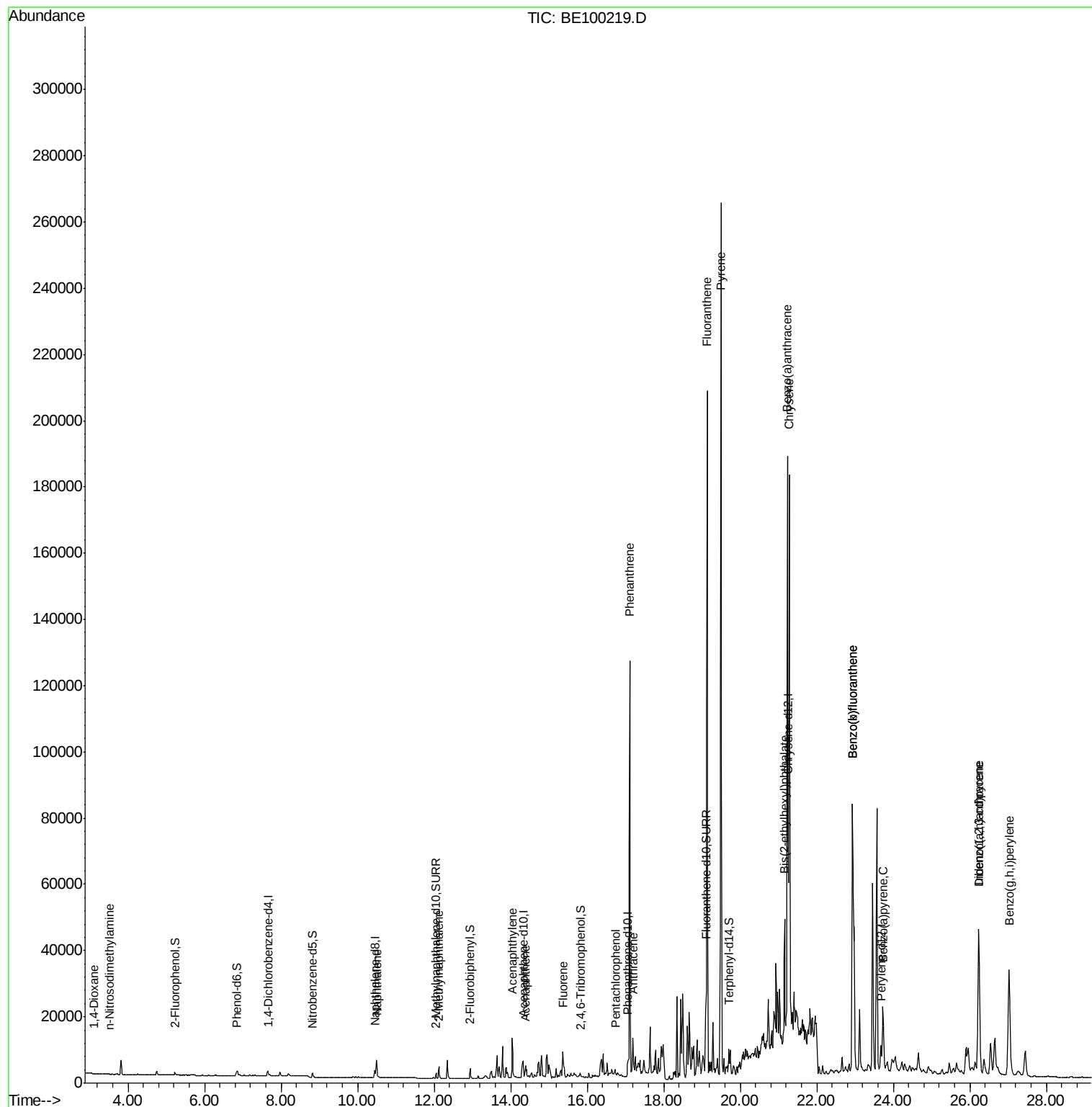
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	30	0.020	ng	# 32
3) n-Nitrosodimethylamine	3.51	42	15	0.027	ng	# 1
9) Naphthalene	10.50	128	10568	0.286	ng	98
12) 2-Methylnaphthalene	12.12	142	2635	0.443	ng	96
16) Acenaphthylene	14.04	152	14105	1.096	ng	97
17) Acenaphthene	14.39	154	1693	0.235	ng	94
18) Fluorene	15.37	166	7163	0.687	ng	# 86
22) Pentachlorophenol	16.73	266	18	0.282	ng	89
23) Phenanthrene	17.11	178	127722	7.420	ng	99
24) Anthracene	17.20	178	13485	0.928	ng	99
26) Fluoranthene	19.13	202	188183	6.720	ng	98
28) Pyrene	19.49	202	239765	9.618	ng	96
30) Benzo(a)anthracene	21.23	228	149955	5.225	ng	96
31) Chrysene	21.28	228	151112	4.489	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	40415	1.225	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	82043	1.712	ng	# 95
35) Benzo(b)fluoranthene	22.93	252	157189	5.290	ng	# 98
36) Benzo(k)fluoranthene	22.93	252	157189	4.421	ng	99
37) Benzo(a)pyrene	23.73	252	25318	0.822	ng	93
38) Dibenzo(a,h)anthracene	26.24	278	23297	0.707	ng	# 90
39) Benzo(g,h,i)perylene	27.02	276	87076	2.532	ng	# 97

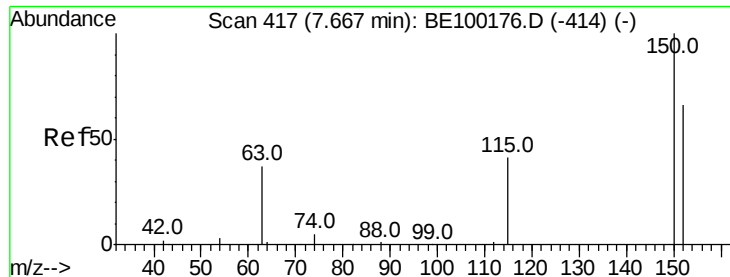
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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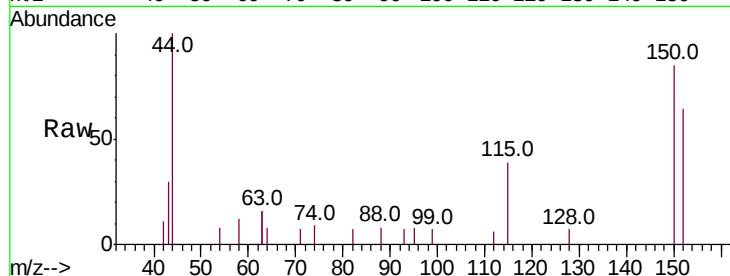


#1

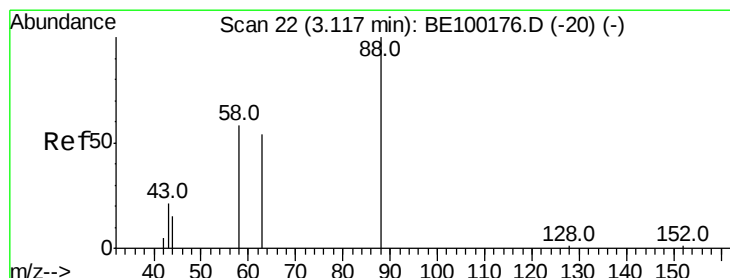
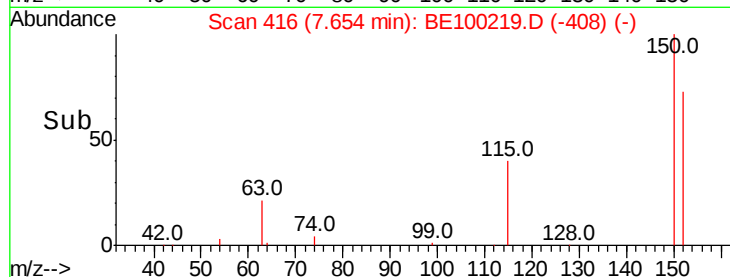
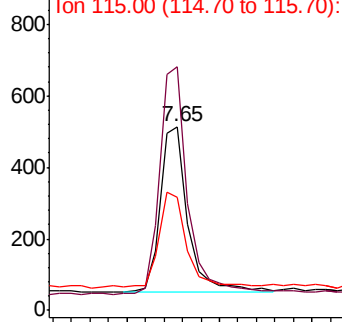
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 945
Ion Ratio Lower Upper
152 100
150 132.5 113.4 170.2
115 61.5 55.8 83.6



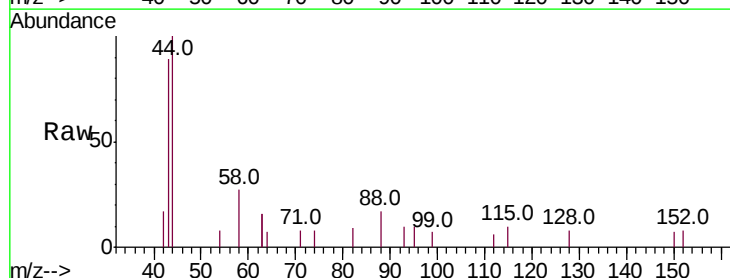
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



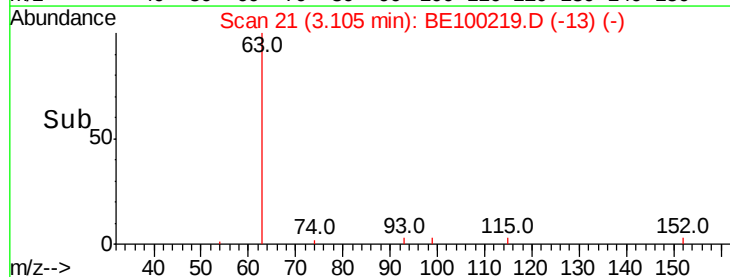
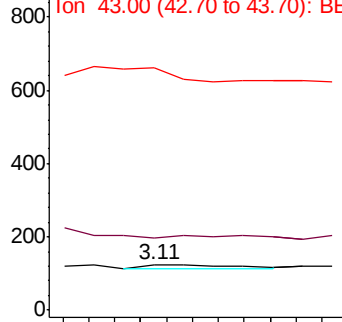
#2

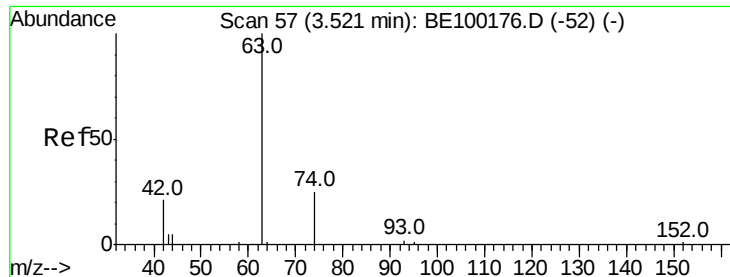
1,4-Dioxane
Concen: 0.020 ng
RT: 3.11 min Scan# 21
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
58 0.0 43.8 65.6#
43 0.0 19.4 29.2#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.027 ng

RT: 3.51 min Scan# 56

Delta R.T. -0.01 min

Lab File: BE100219.D

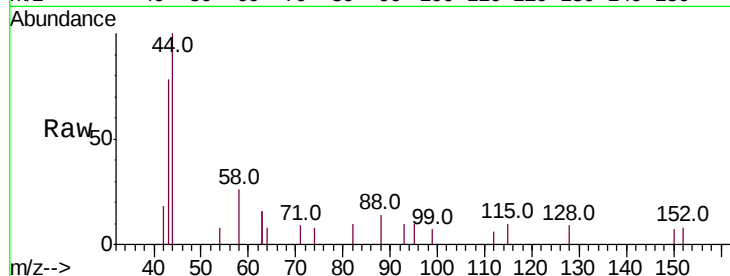
Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	15
Ion	Ratio	Lower	Upper
42	100		
74	0.0	193.2	289.8#
44	0.0	114.5	171.7#

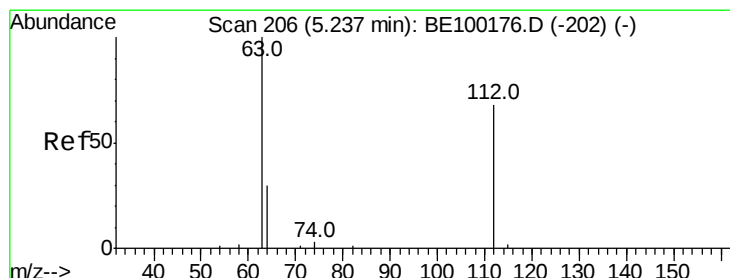
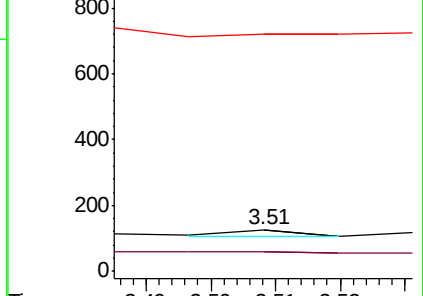
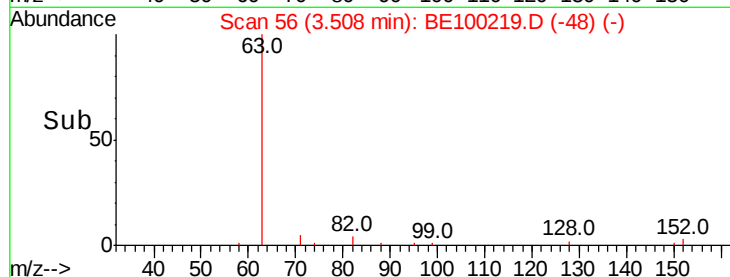


Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1

Time-->



#4

2-Fluorophenol

Concen: 0.360 ng

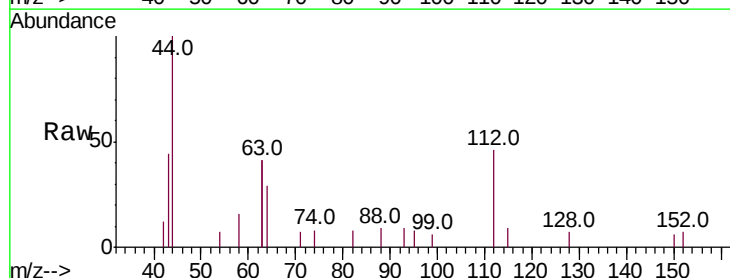
RT: 5.22 min Scan# 205

Delta R.T. -0.01 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Tgt Ion:	112	Resp:	756
Ion	Ratio	Lower	Upper
112	100		
64	52.2	40.7	61.1
63	154.6	93.2	139.8#

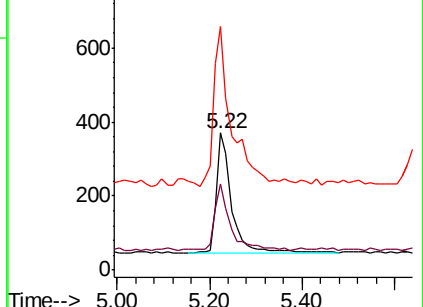
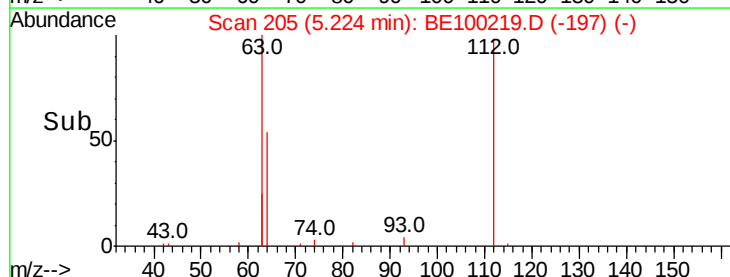


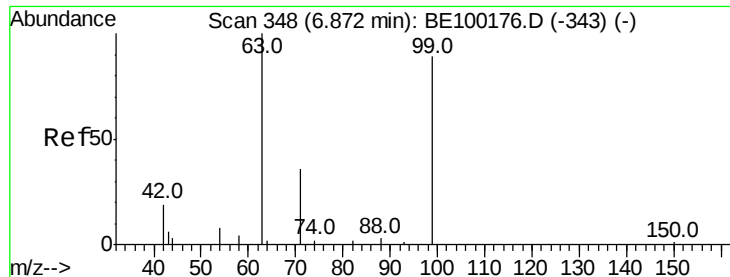
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Time-->





#5

Phenol-d6

Concen: 0.361 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.04 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :

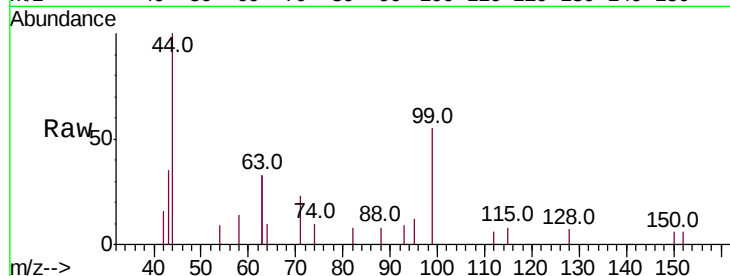
Tot Ion: 99 Resp: 1042

Ion Ratio Lower Upper

99 100

42 17.4 10.4 15.6#

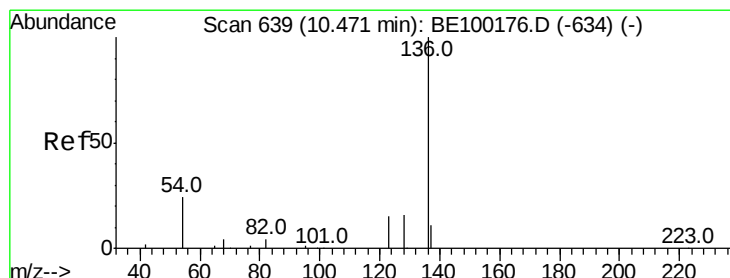
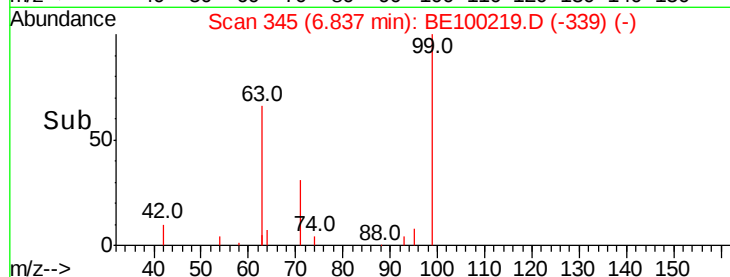
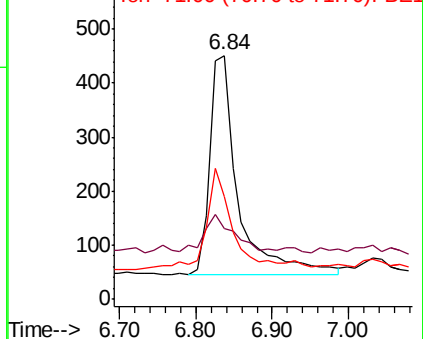
71 33.2 32.4 48.6



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: 10.45 min Scan# 637

Delta R.T. -0.03 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Tgt Ion: 136 Resp: 3383

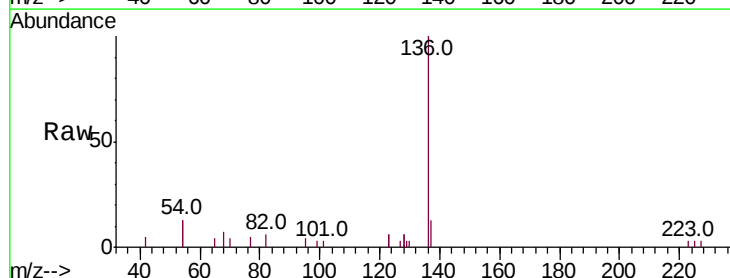
Ion Ratio Lower Upper

136 100

137 13.1 13.8 20.8#

54 25.8 35.4 53.2#

68 6.6 8.8 13.2#

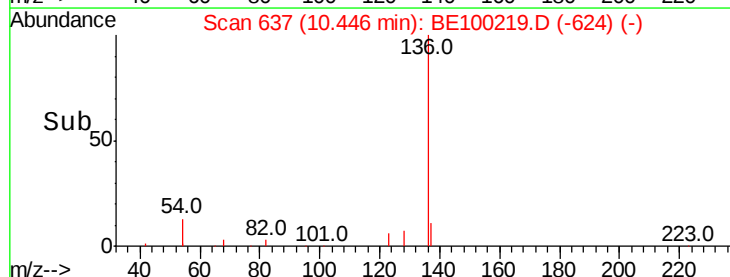
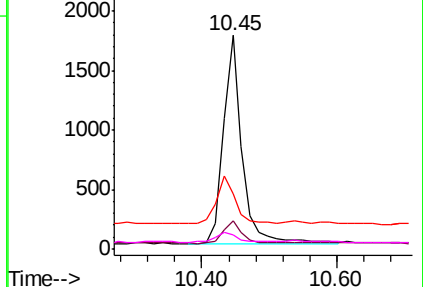


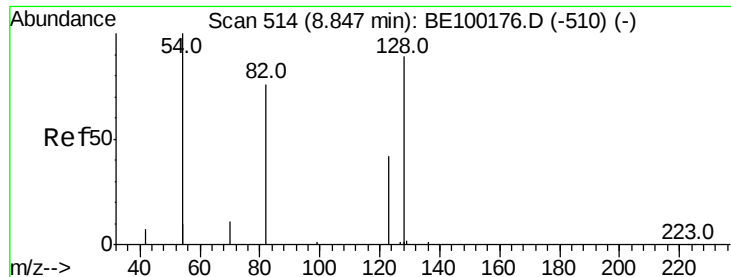
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.292 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.03 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :

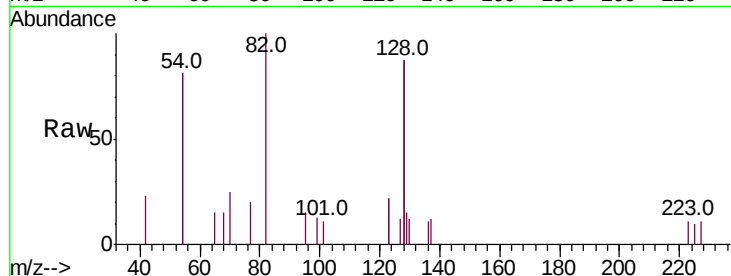
Tot Ion: 82 Resp: 984

Ion Ratio Lower Upper

82 100

128 173.3 144.6 217.0

54 162.3 163.0 244.6#



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

1000

800

600

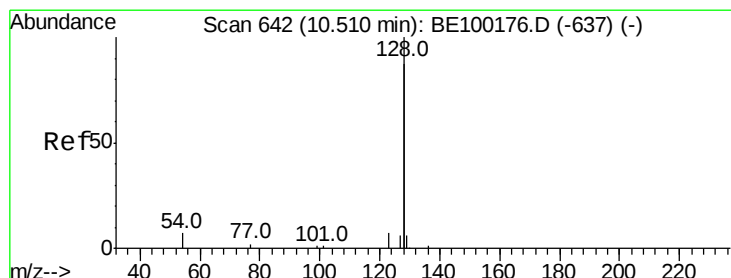
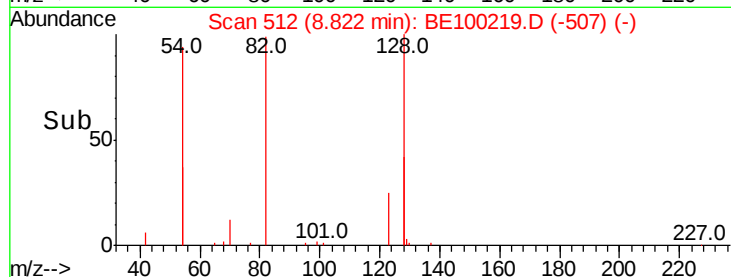
400

200

0

8.80 8.90

Time-->



#9

Naphthalene

Concen: 0.286 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.01 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

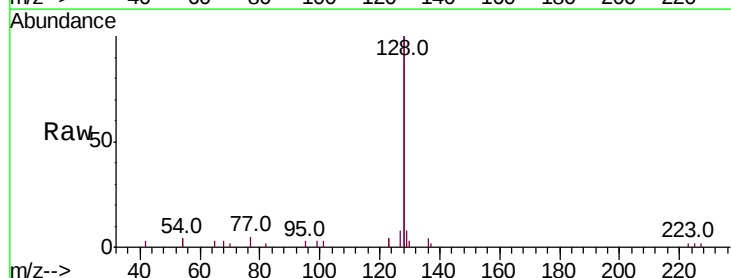
Tgt Ion: 128 Resp: 10568

Ion Ratio Lower Upper

128 100

129 3.8 3.6 5.4

127 4.1 3.8 5.8



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

6000

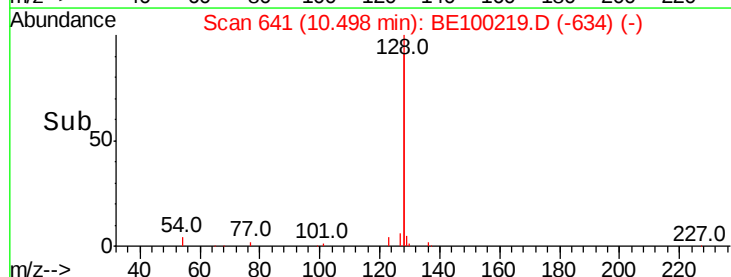
4000

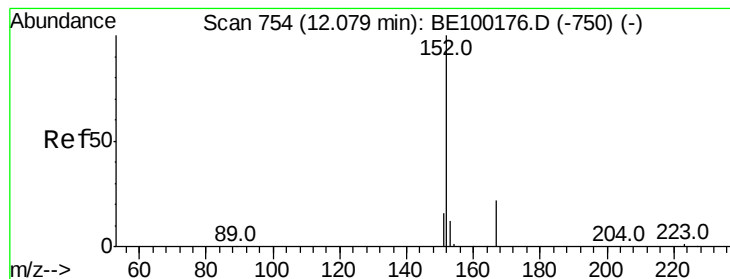
2000

0

10.40 10.60

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 12.05 min Scan# 752

Delta R.T. -0.03 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

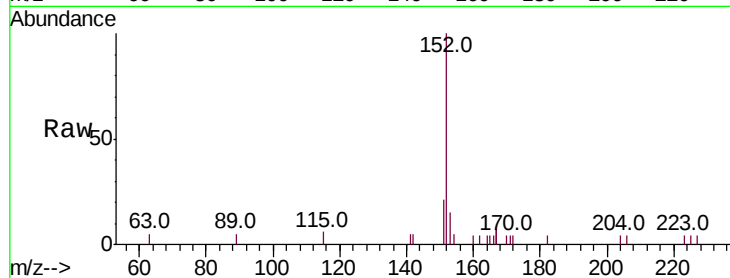
ClientSampled :

Tot Ion:152 Resp: 2347

Ion Ratio Lower Upper

152 100

151 19.2 16.3 24.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

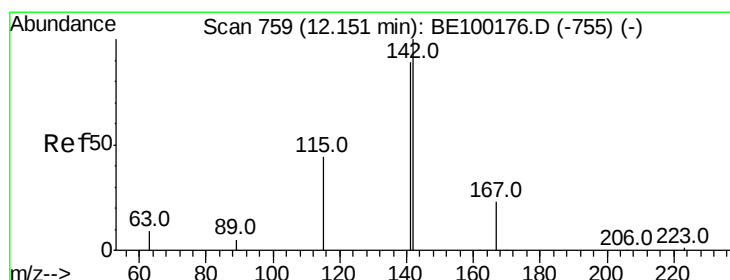
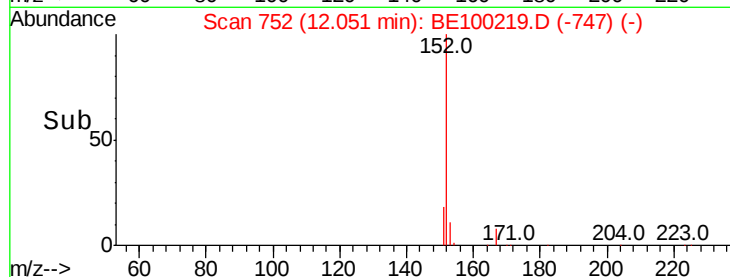
12.05

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.443 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.03 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

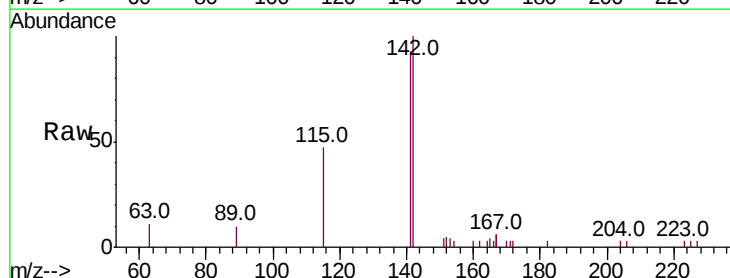
Tgt Ion:142 Resp: 2635

Ion Ratio Lower Upper

142 100

141 92.7 71.8 107.8

115 46.5 40.4 60.6



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

2000

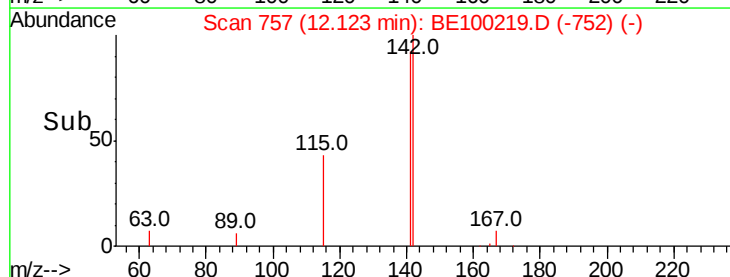
1500

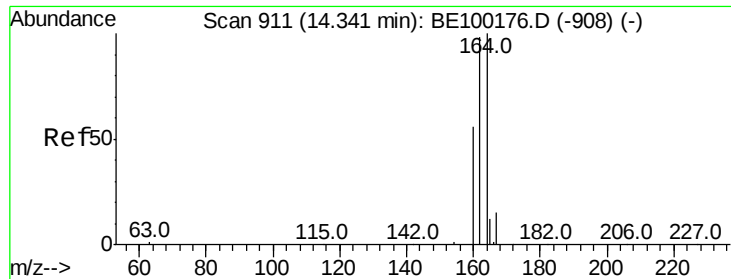
1000

500

0

Time-->

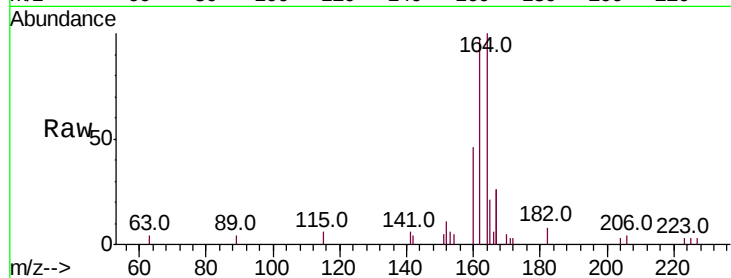




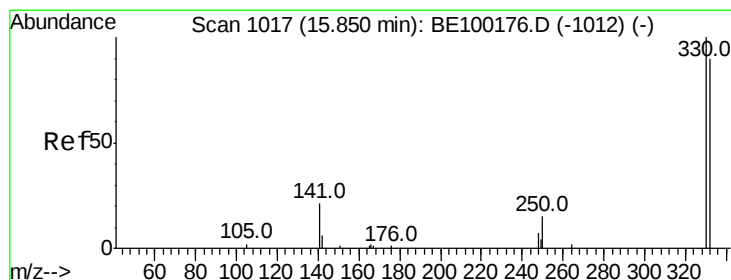
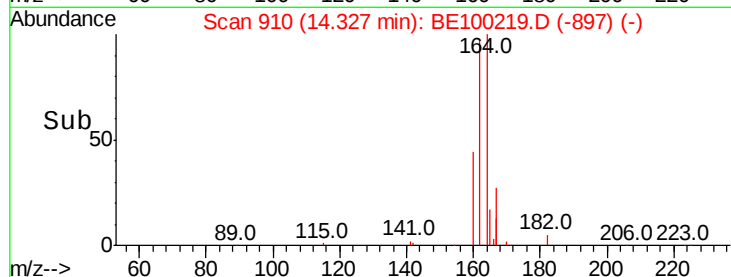
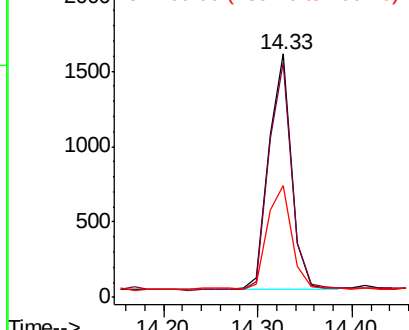
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2639
Ion Ratio Lower Upper
164 100
162 96.7 78.6 118.0
160 45.7 46.9 70.3#

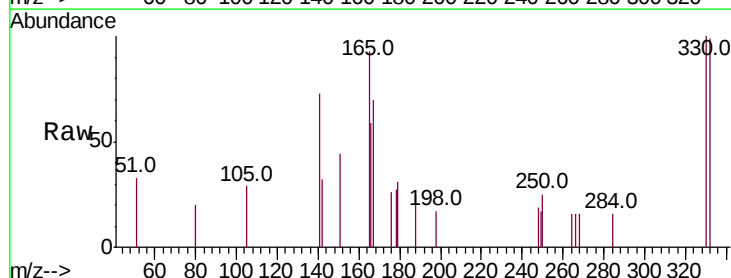


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

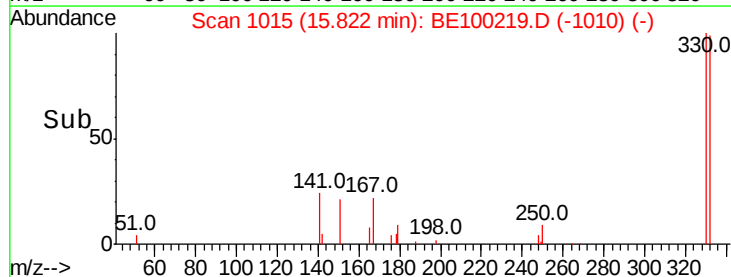
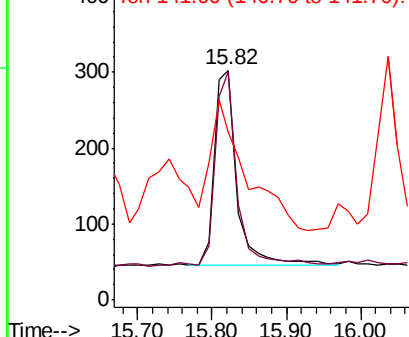


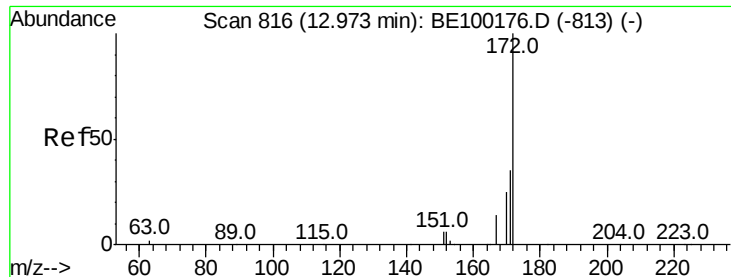
#14
2,4,6-Tribromophenol
Concen: 0.357 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion:330 Resp: 545
Ion Ratio Lower Upper
330 100
332 93.4 77.7 116.5
141 106.6 18.9 28.3#



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

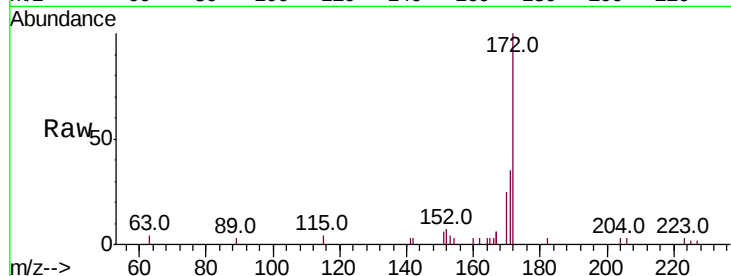




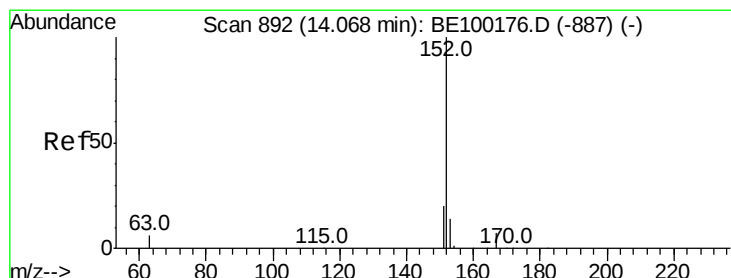
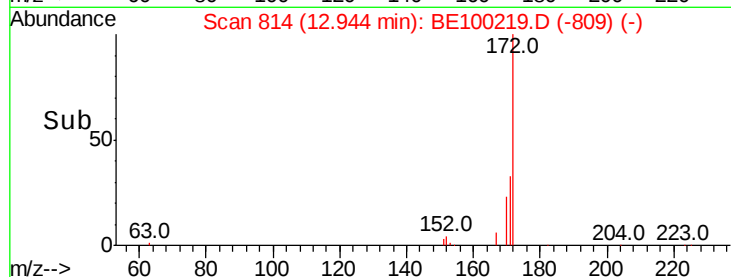
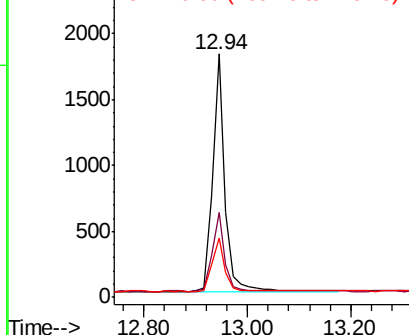
#15
2-Fluorobiphenyl
Concen: 0.282 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2982
Ion Ratio Lower Upper
172 100
171 35.0 31.0 46.4
170 24.6 23.9 35.9

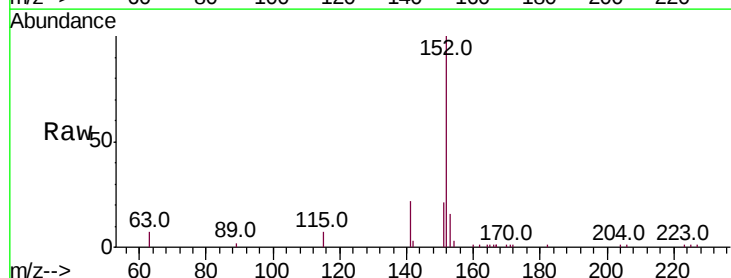


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

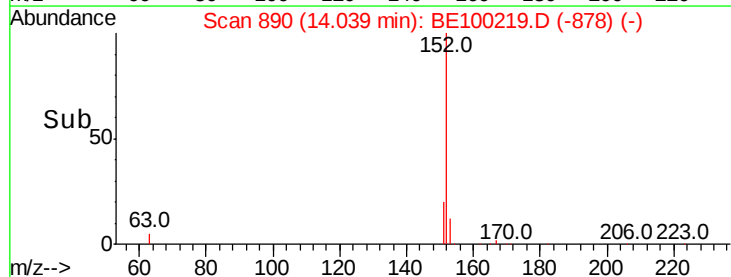
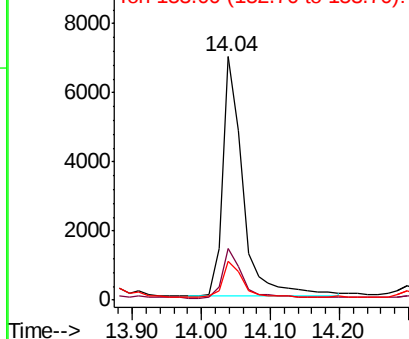


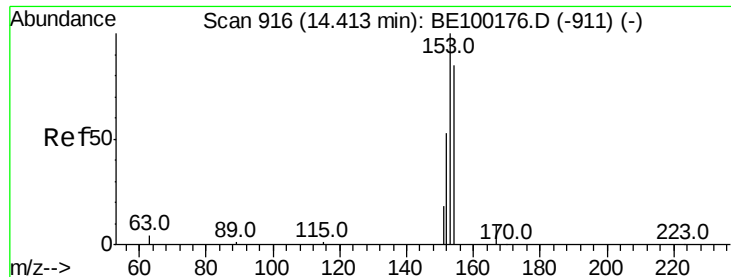
#16
Acenaphthylene
Concen: 1.096 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion:152 Resp: 14105
Ion Ratio Lower Upper
152 100
151 20.3 15.4 23.0
153 14.9 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

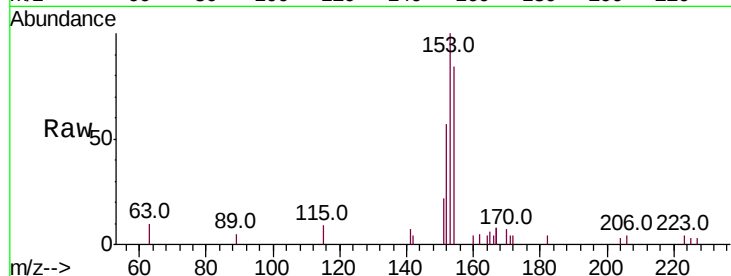




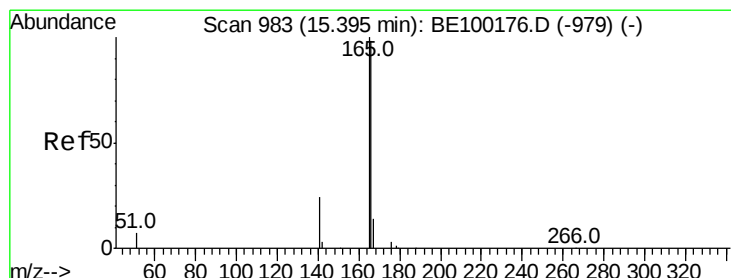
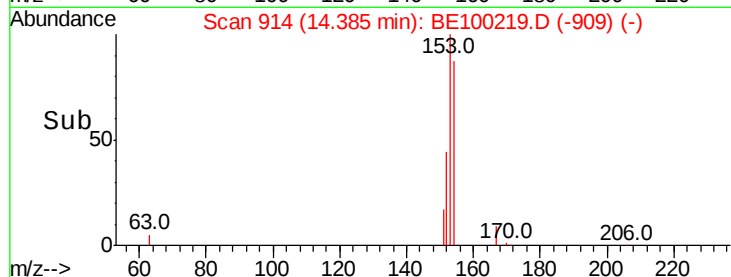
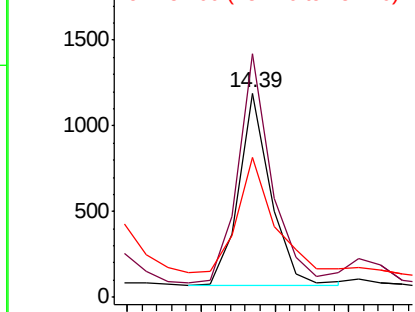
#17
Acenaphthene
Concen: 0.235 ng
RT: 14.39 min Scan# 914
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 1693
Ion Ratio Lower Upper
154 100
153 124.0 95.3 142.9
152 73.6 52.9 79.3

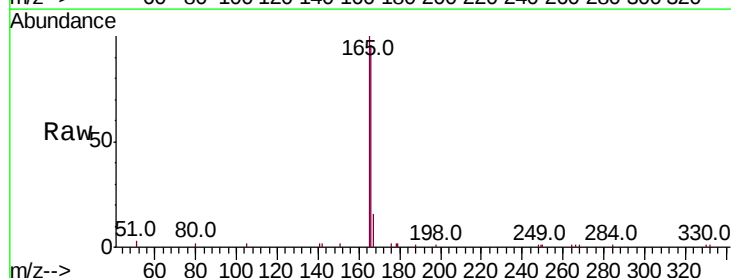


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

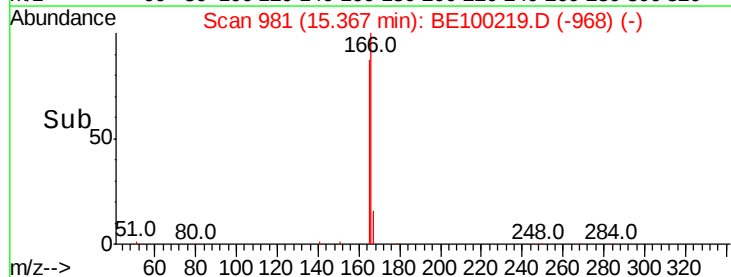
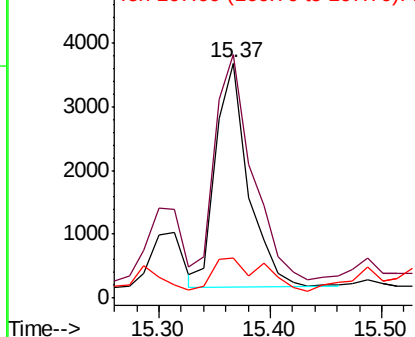


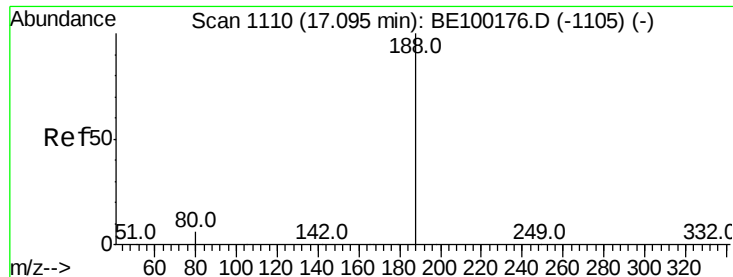
#18
Fluorene
Concen: 0.687 ng
RT: 15.37 min Scan# 981
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion:166 Resp: 7163
Ion Ratio Lower Upper
166 100
165 114.7 81.0 121.4
167 22.5 11.4 17.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

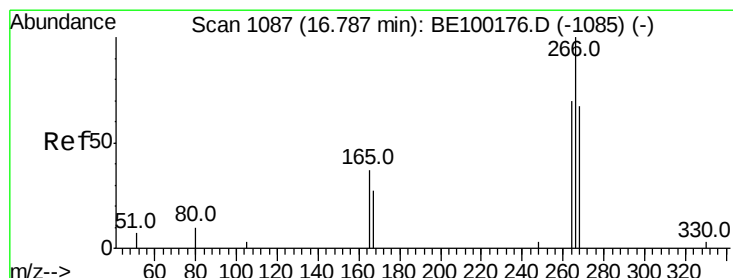
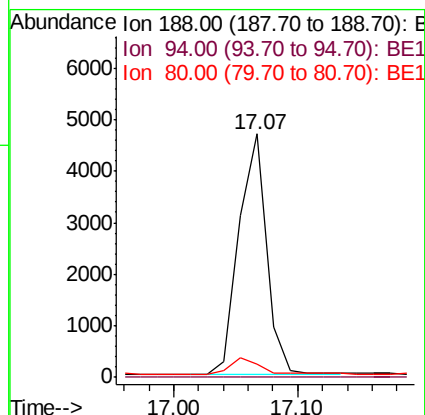
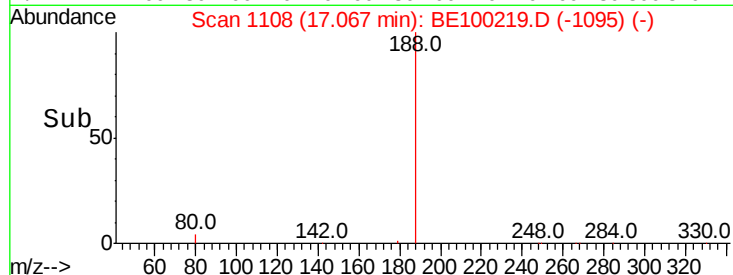
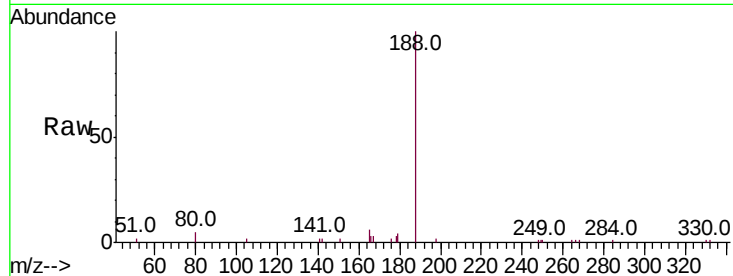




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

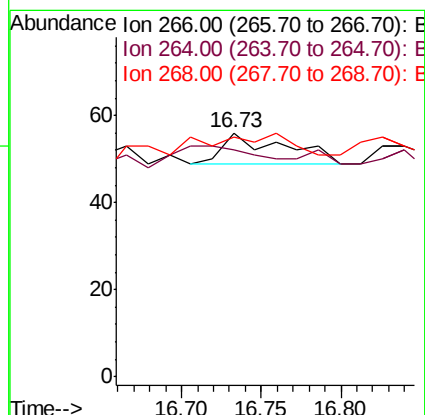
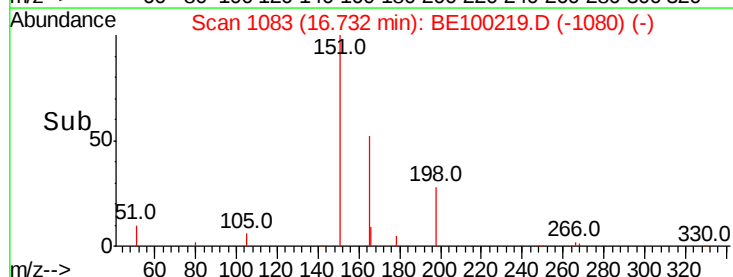
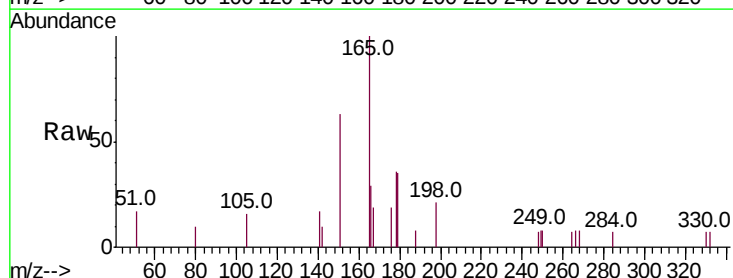
Instrument :
BNA_E
ClientSampleId :

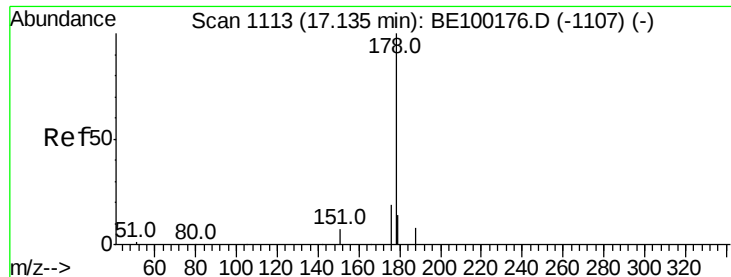
Tot Ion:188 Resp: 7267
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.5 6.4 9.6#



#22
Pentachlorophenol
Concen: 0.282 ng
RT: 16.73 min Scan# 1083
Delta R.T. -0.05 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion:266 Resp: 18
Ion Ratio Lower Upper
266 100
264 92.9 67.7 101.5
268 98.2 69.8 104.6



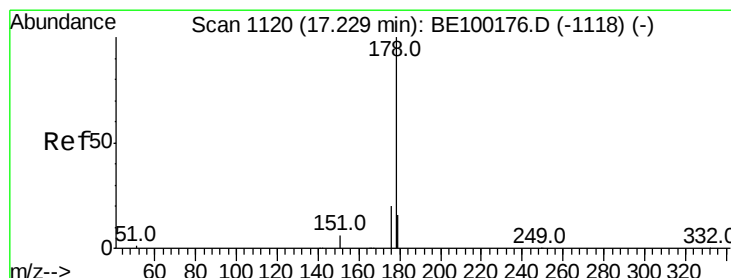
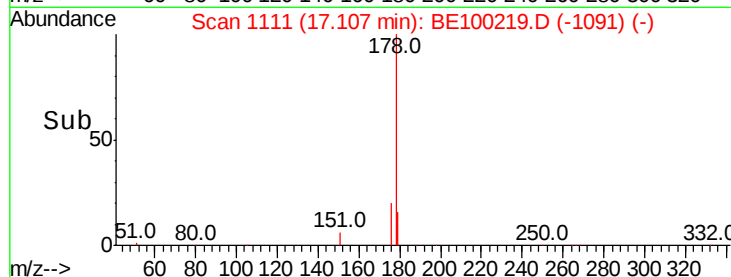
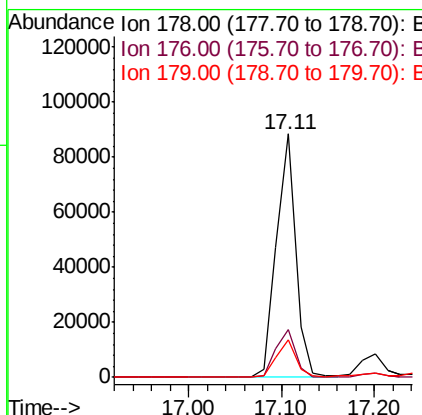
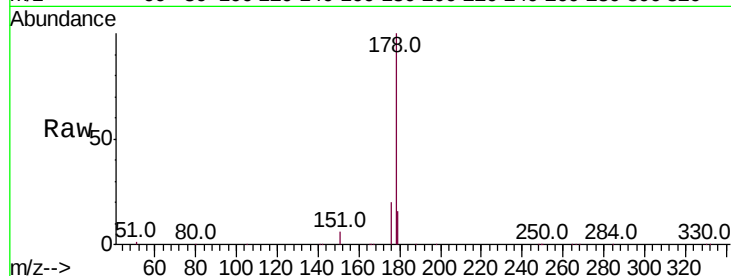


#23
Phenanthrene
Concen: 7.420 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 127722

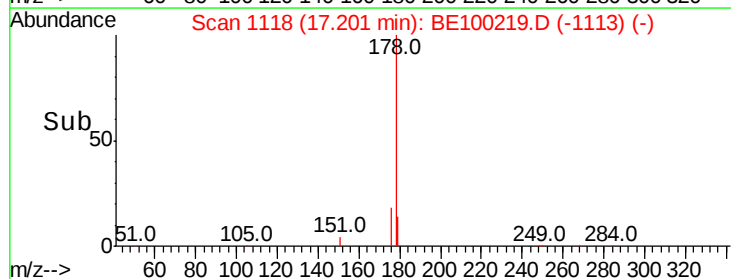
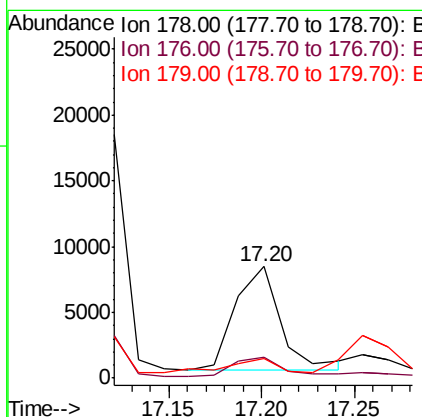
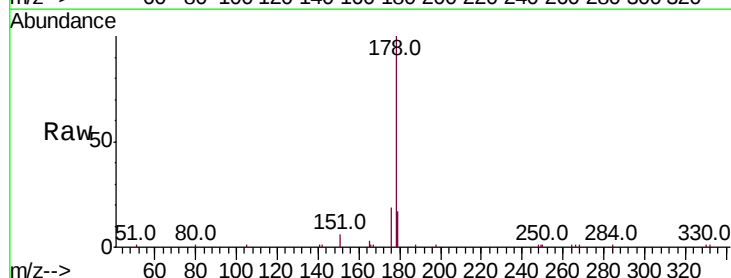
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.7	12.2	18.2

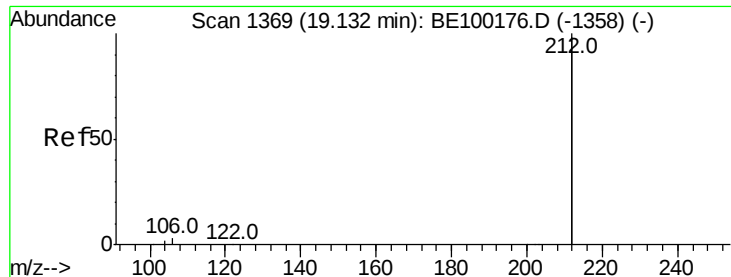


#24
Anthracene
Concen: 0.928 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion:178 Resp: 13485

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.6	12.9	19.3





#25

Fluoranthene-d10

Concen: 0.347 ng

RT: 19.10 min Scan# 1363

Delta R.T. -0.03 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :

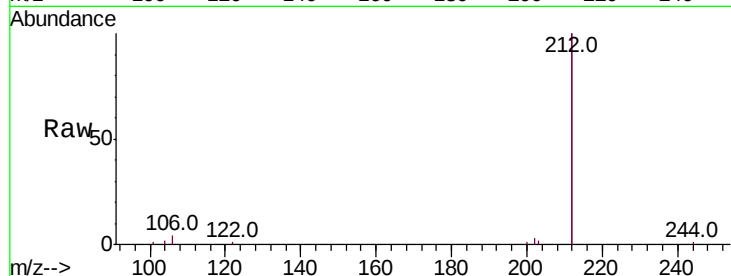
Tot Ion:212 Resp: 36352

Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

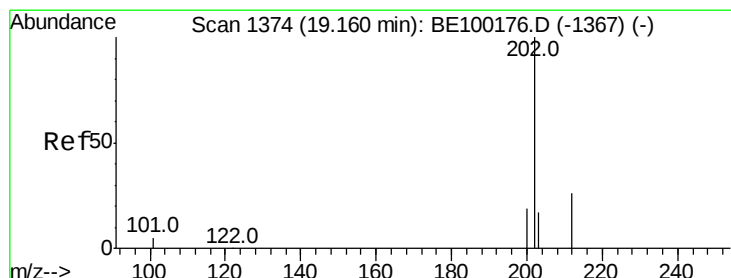
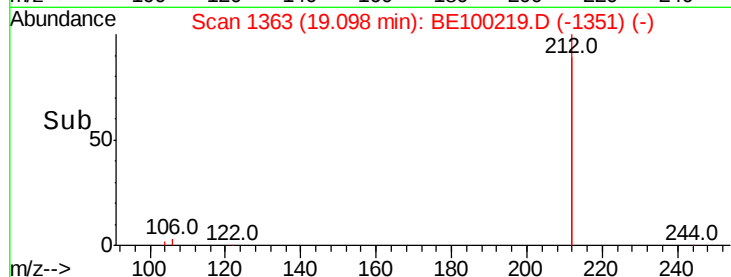
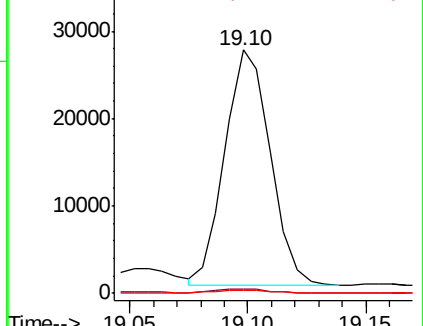
104 1.0 0.7 1.1



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: 6.720 ng

RT: 19.13 min Scan# 1369

Delta R.T. -0.03 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

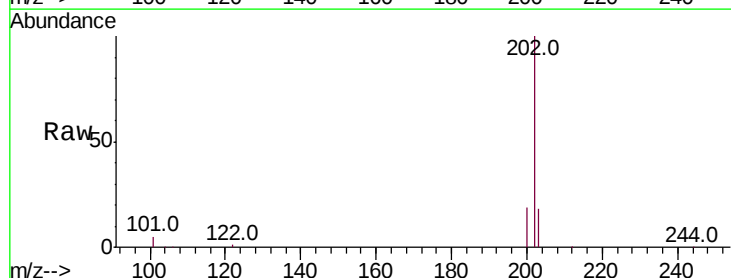
Tgt Ion:202 Resp: 188183

Ion Ratio Lower Upper

202 100

101 5.6 4.5 6.7

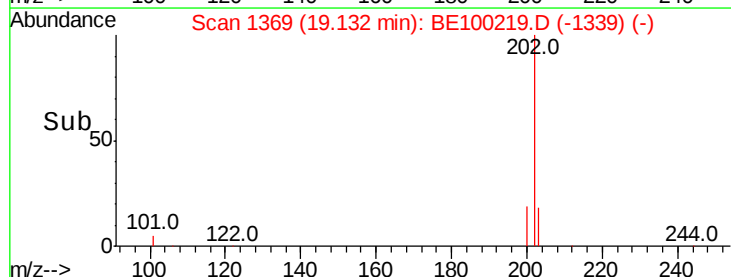
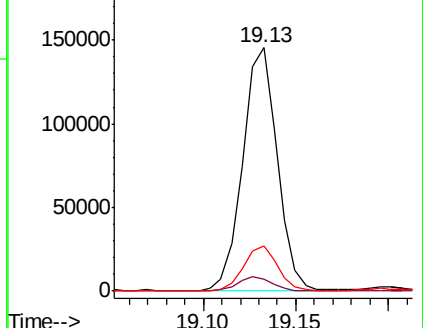
203 18.0 13.7 20.5

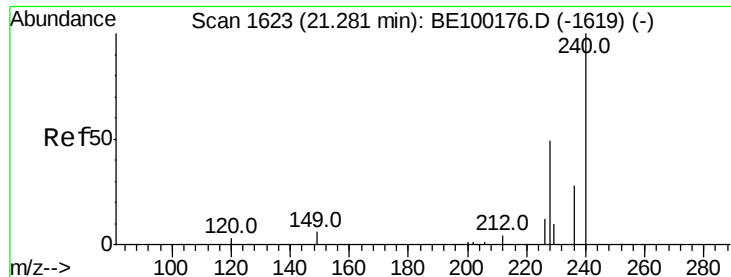


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

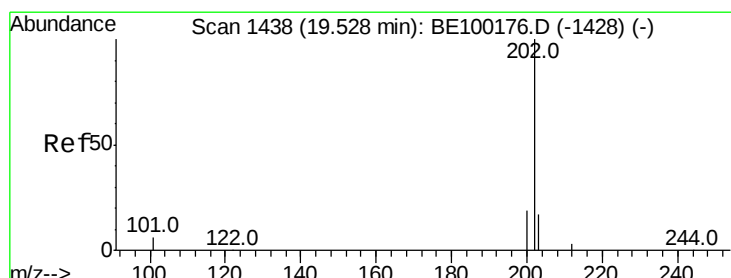
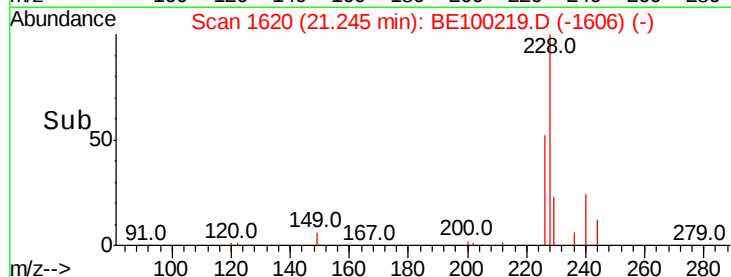
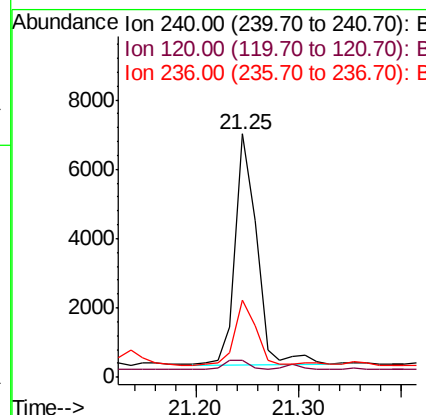
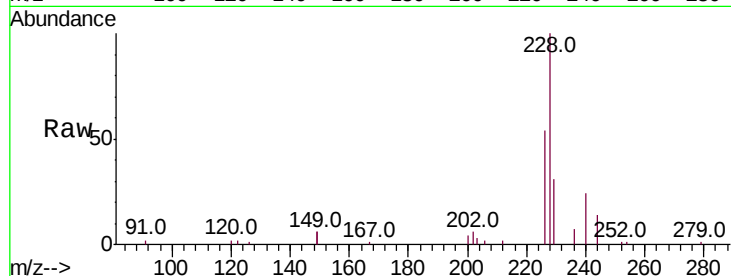




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. -0.04 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

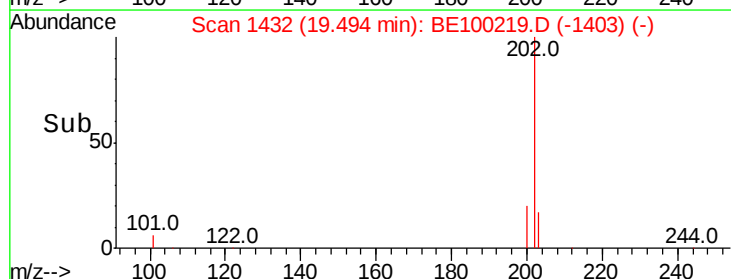
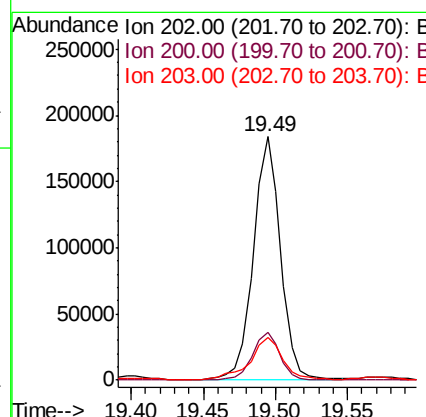
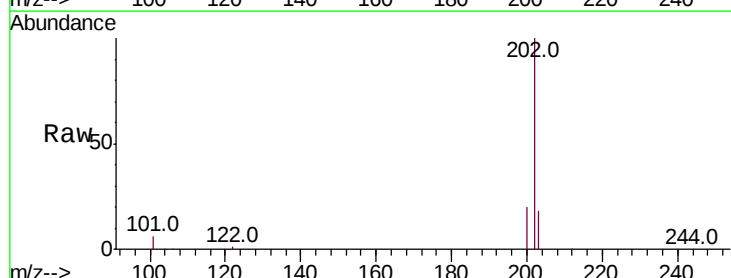
Instrument :
BNA_E
ClientSampleId :

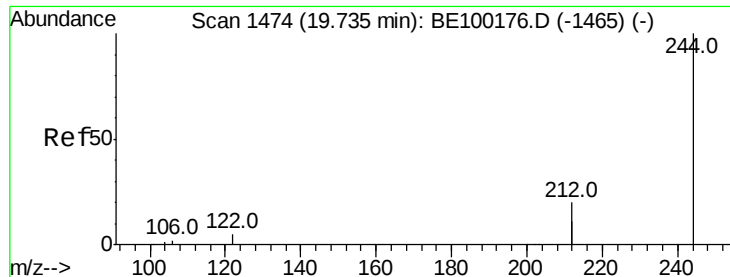
Tot Ion:240 Resp: 9734
Ion Ratio Lower Upper
240 100
120 6.9 4.1 6.1#
236 31.6 23.0 34.6



#28
Pyrene
Concen: 9.618 ng
RT: 19.49 min Scan# 1432
Delta R.T. -0.03 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion:202 Resp: 239765
Ion Ratio Lower Upper
202 100
200 19.8 15.5 23.3
203 20.9 13.9 20.9





#29

Terphenyl-d14

Concen: 0.271 ng

RT: 19.70 min Scan# 1468

Delta R.T. -0.03 min

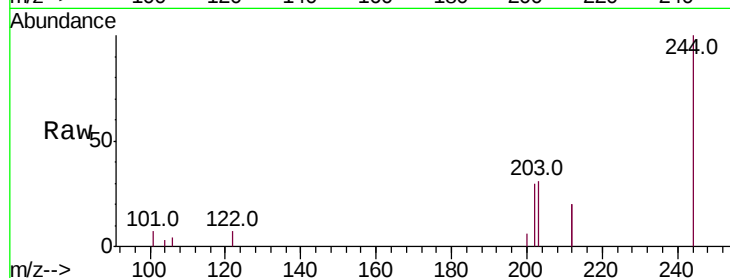
Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :



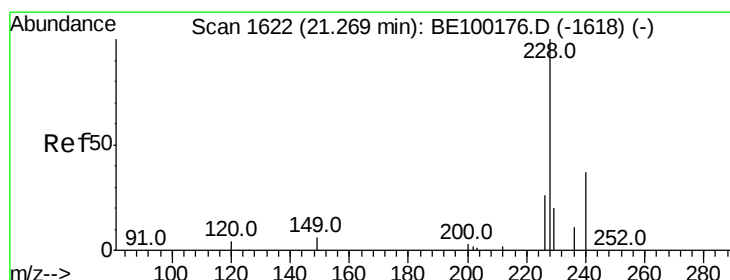
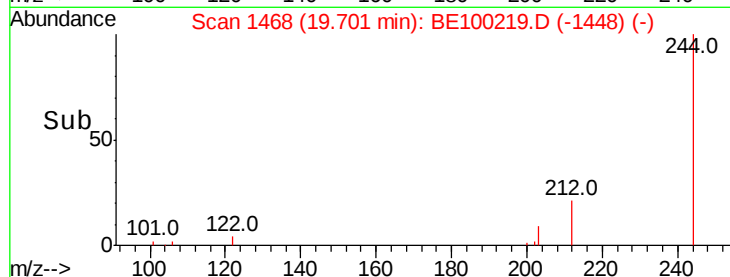
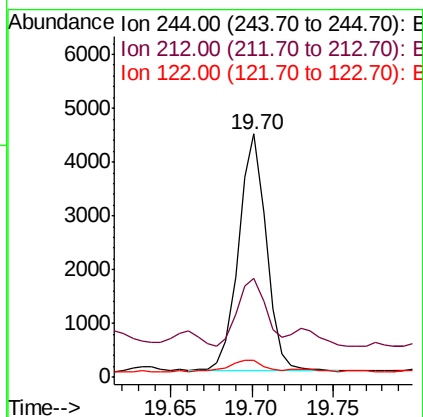
Tot Ion:244 Resp: 5171

Ion Ratio Lower Upper

244 100

212 40.4 30.7 46.1

122 6.8 5.8 8.6



#30

Benzo(a)anthracene

Concen: 5.225 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.04 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

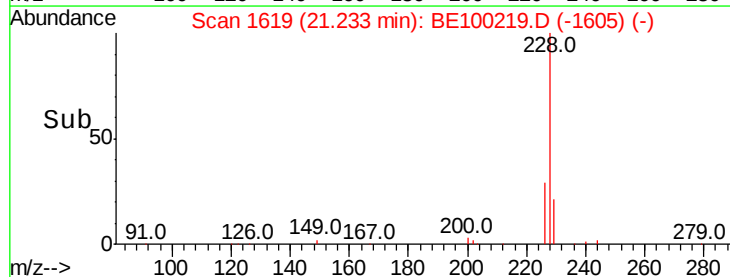
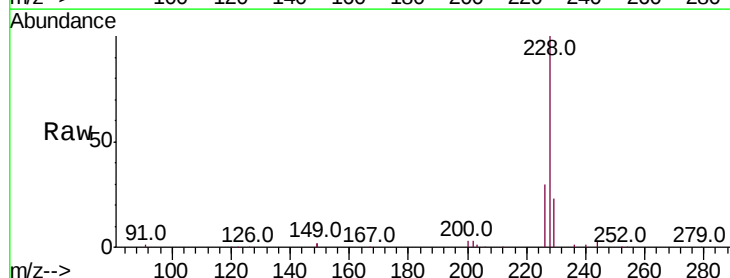
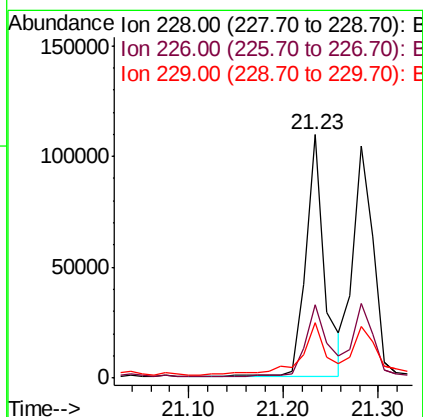
Tgt Ion:228 Resp: 149955

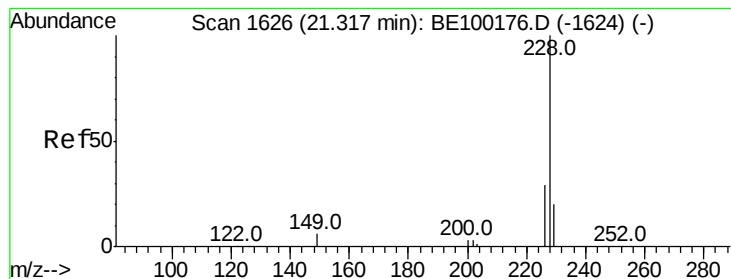
Ion Ratio Lower Upper

228 100

226 30.0 21.5 32.3

229 22.7 17.2 25.8





#31

Chrysene

Concen: 4.489 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.04 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampled :

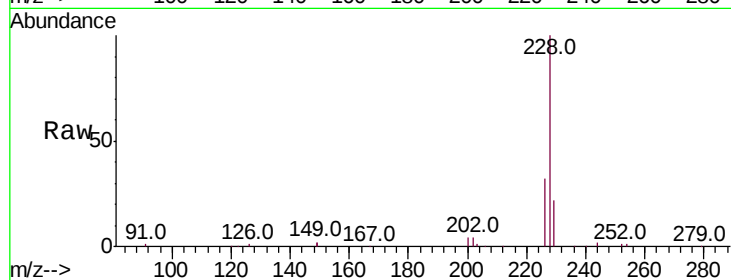
Tot Ion:228 Resp: 151112

Ion Ratio Lower Upper

228 100

226 32.2 23.7 35.5

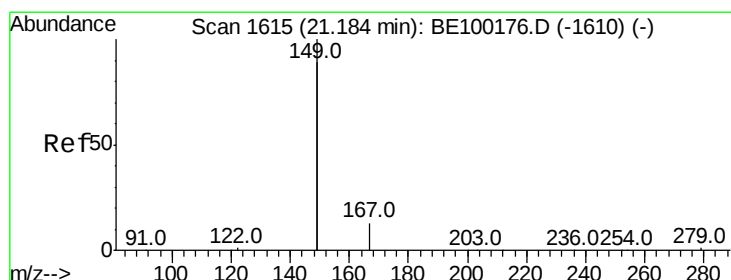
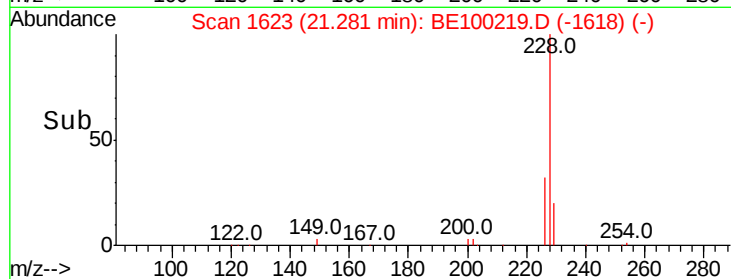
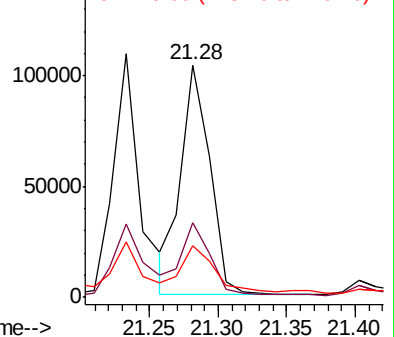
229 22.0 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

150000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.225 ng

RT: 21.16 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

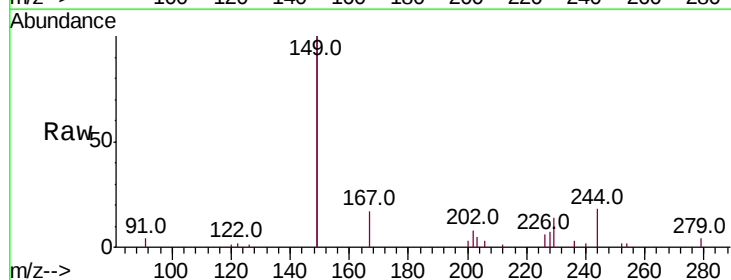
Tgt Ion:149 Resp: 40415

Ion Ratio Lower Upper

149 100

167 7.1 5.9 8.9

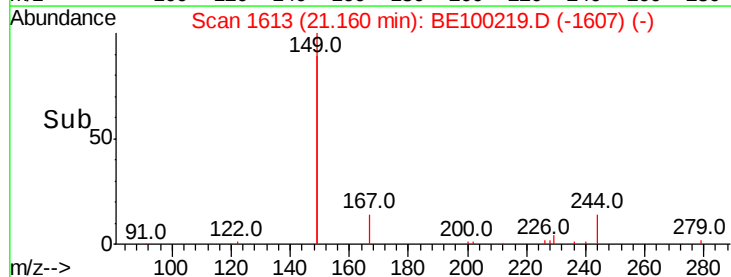
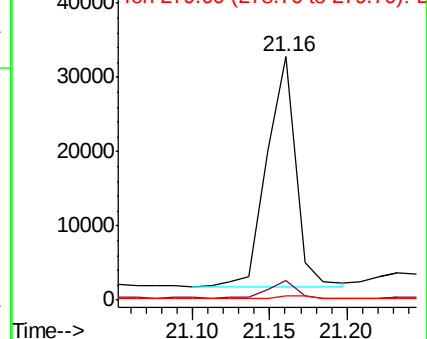
279 1.6 1.0 1.6#

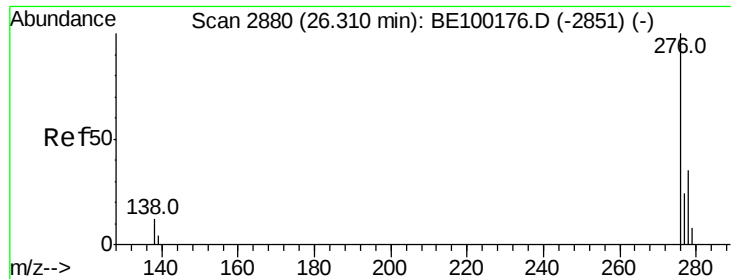


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.712 ng

RT: 26.23 min Scan# 2858

Delta R.T. -0.08 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :

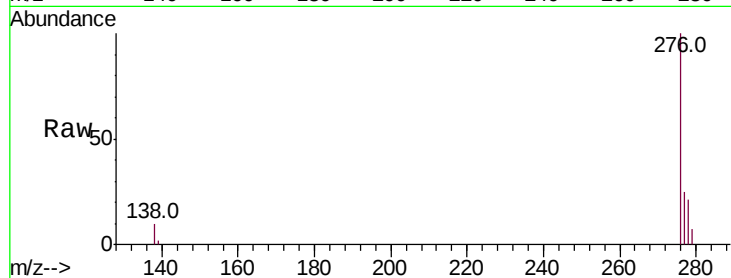
Tot Ion:276 Resp: 82043

Ion Ratio Lower Upper

276 100

138 9.4 3.7 5.5#

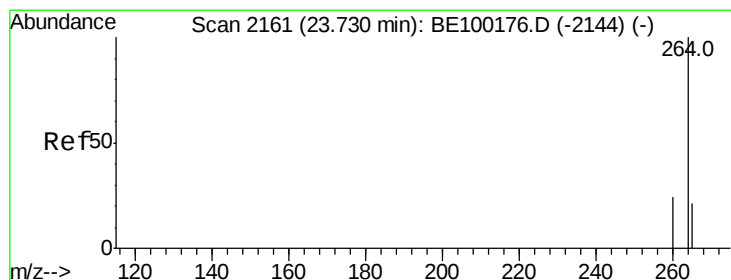
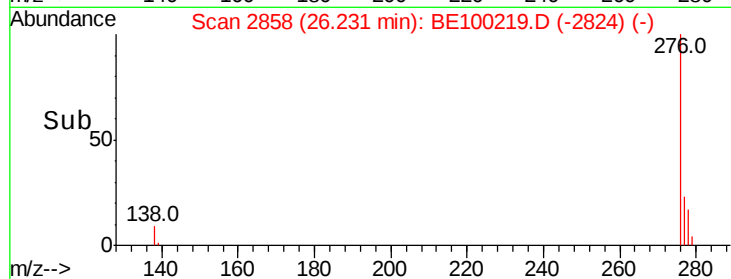
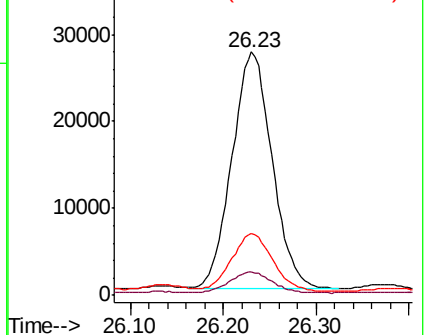
277 24.9 18.7 28.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.67 min Scan# 2145

Delta R.T. -0.06 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

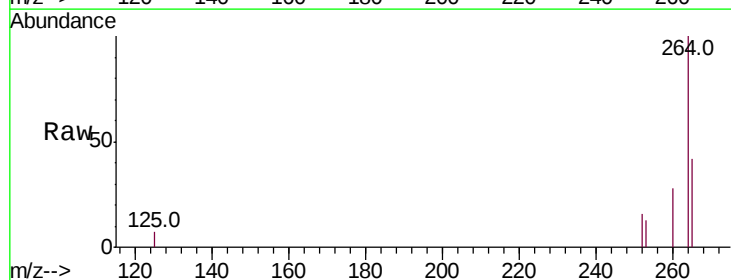
Tgt Ion:264 Resp: 11047

Ion Ratio Lower Upper

264 100

260 28.0 20.4 30.6

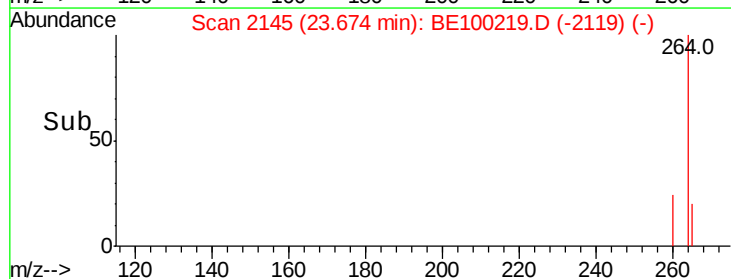
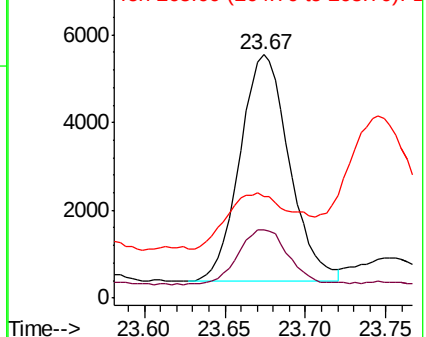
265 41.5 22.5 33.7#

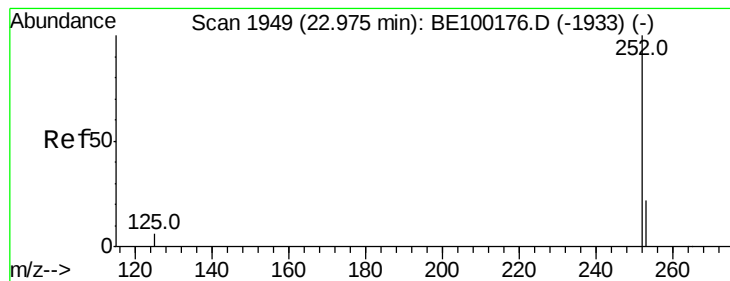


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 5.290 ng

RT: 22.93 min Scan# 1937

Delta R.T. -0.04 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :

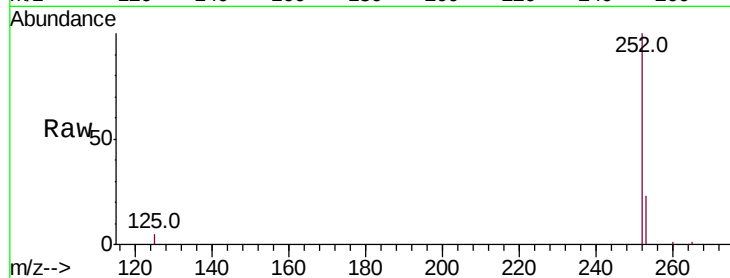
Tot Ion:252 Resp: 157189

Ion Ratio Lower Upper

252 100

253 23.4 19.0 28.4

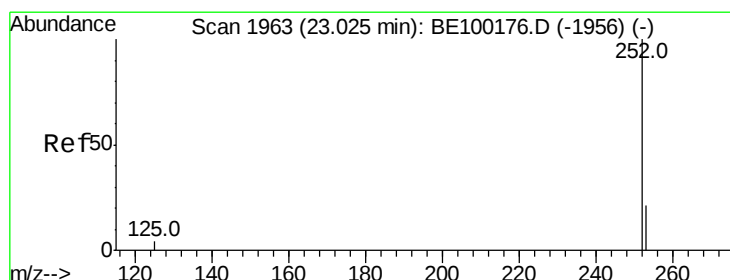
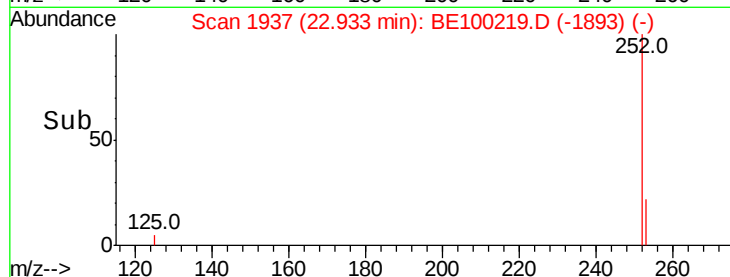
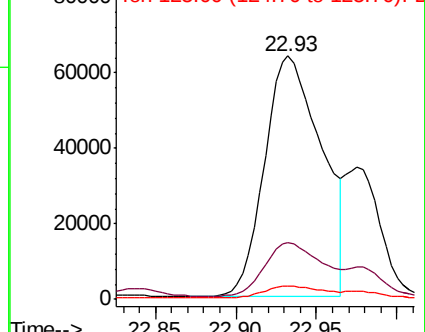
125 5.4 6.3 9.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 4.421 ng

RT: 22.93 min Scan# 1937

Delta R.T. -0.09 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

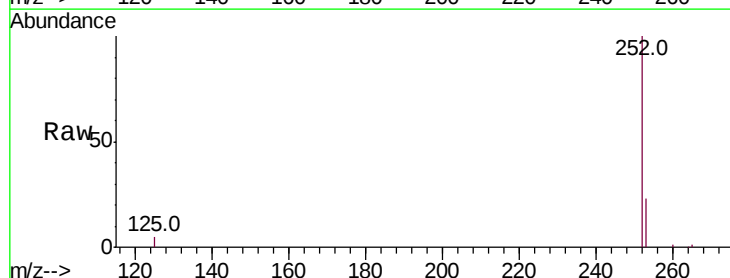
Tgt Ion:252 Resp: 157189

Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

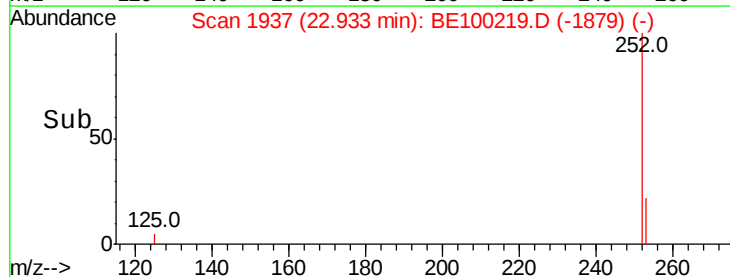
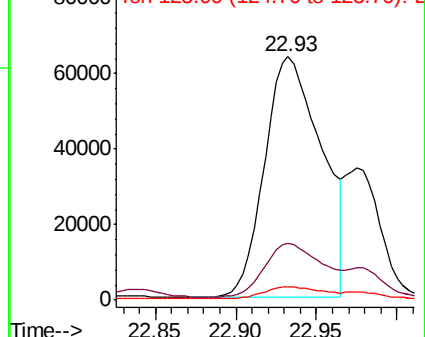
125 5.4 5.0 7.4

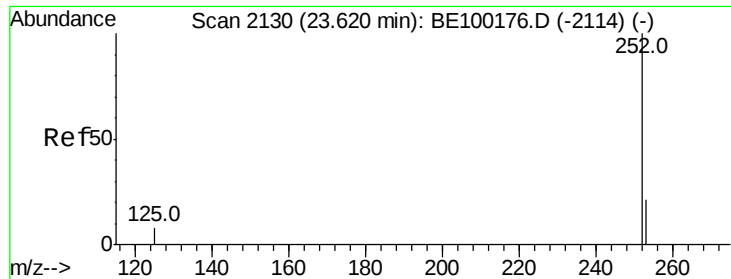


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.822 ng

RT: 23.73 min Scan# 2160

Delta R.T. 0.11 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :

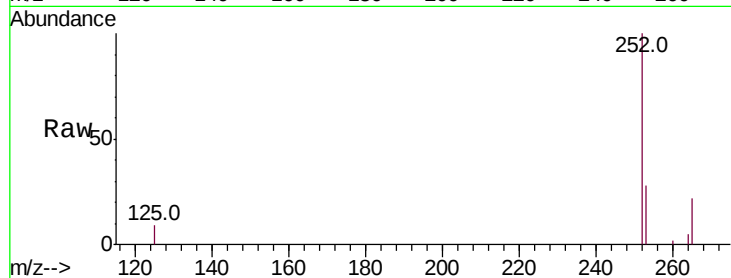
Tot Ion:252 Resp: 25318

Ion Ratio Lower Upper

252 100

253 28.0 19.2 28.8

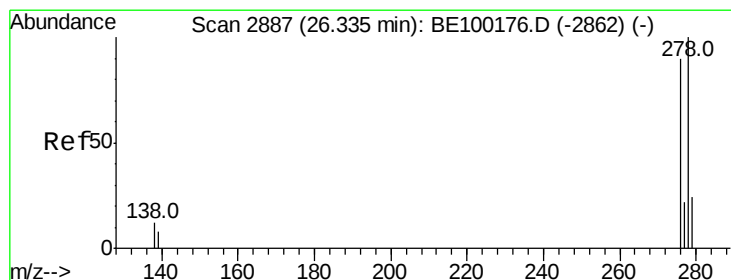
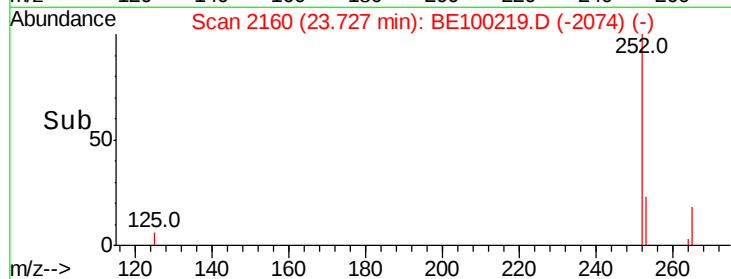
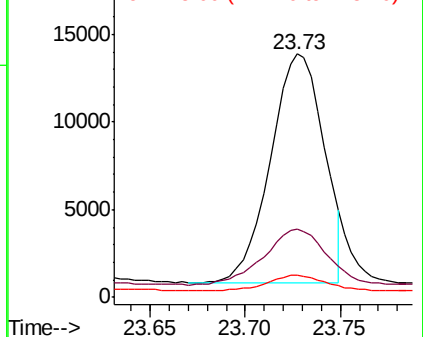
125 9.0 8.2 12.2



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: 0.707 ng

RT: 26.24 min Scan# 2861

Delta R.T. -0.09 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

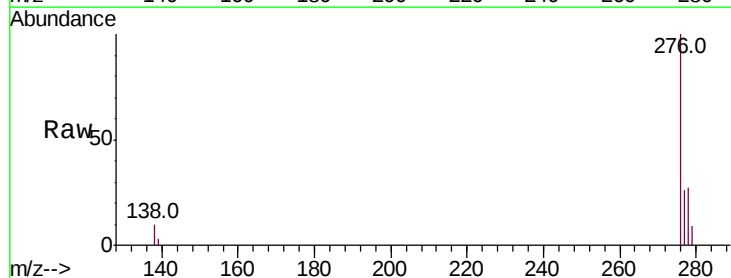
Tgt Ion:278 Resp: 23297

Ion Ratio Lower Upper

278 100

139 10.4 9.0 13.4

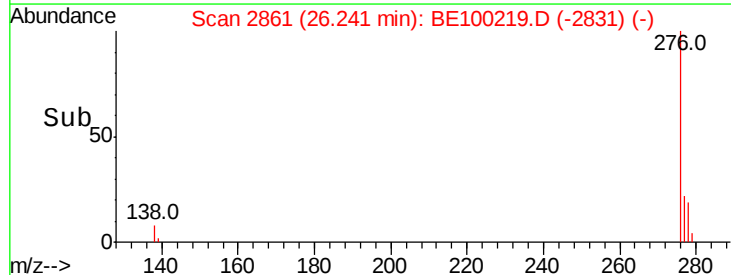
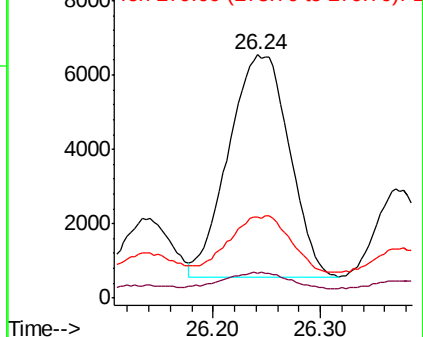
279 33.5 21.1 31.7#

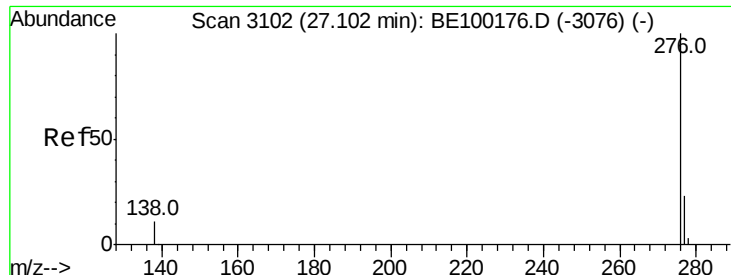


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 2.532 ng

RT: 27.02 min Scan# 3080

Delta R.T. -0.08 min

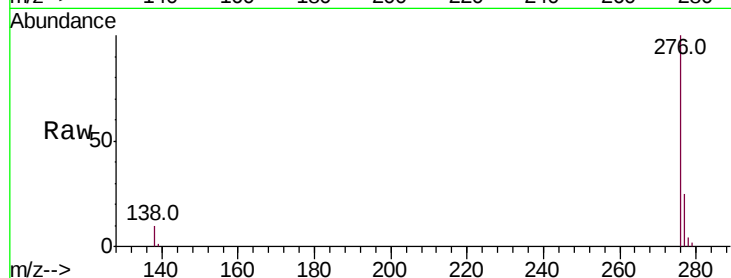
Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 87076

Ion Ratio Lower Upper

276 100

277 25.2 19.8 29.6

138 10.0 10.2 15.4

