

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100205.D
 Acq On : 27 Jun 2019 15:27
 Operator : JU/SJ
 Sample : K3428-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 27 18:53:08 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	728	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	2486	0.40	ng	-0.03
13) Acenaphthene-d10	14.31	164	1963	0.40	ng	-0.03
19) Phenanthrene-d10	17.07	188	6125	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	8274	0.40	ng	-0.04
34) Perylene-d12	23.66	264	9120	0.40	ng	-0.07

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	533	0.33	ng	0.00
5) Phenol-d6	6.84	99	692	0.31	ng	-0.04
8) Nitrobenzene-d5	8.84	82	696	0.28	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	1706	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	358	0.31	ng	-0.03
15) 2-Fluorobiphenyl	12.94	172	2296	0.29	ng	-0.03
25) Fluoranthene-d10	19.10	212	32399	0.37	ng	-0.03
29) Terphenyl-d14	19.70	244	5618	0.35	ng	-0.04

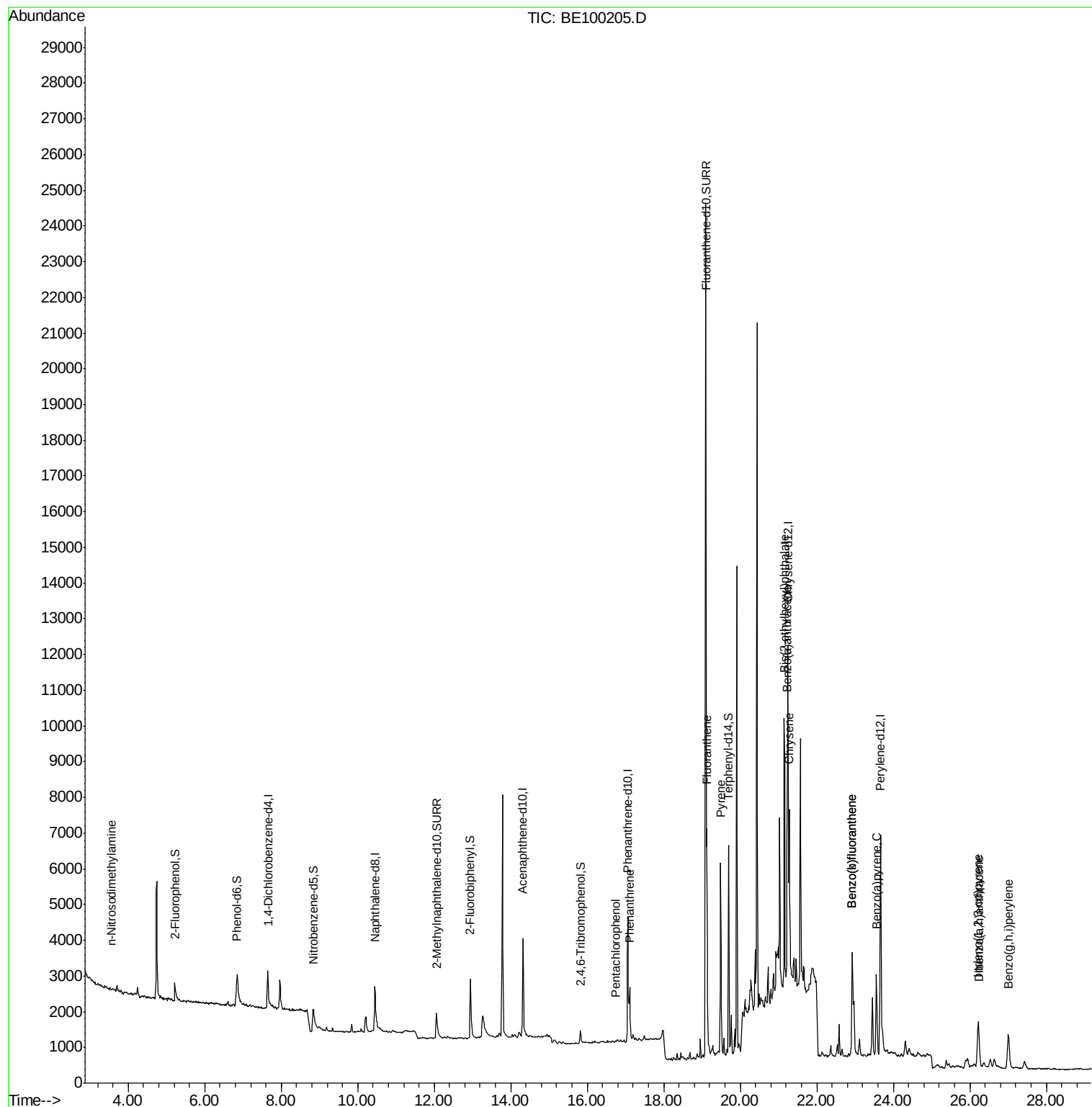
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.55	42	13	0.031	ng	# 1
22) Pentachlorophenol	16.75	266	15	0.282	ng	92
23) Phenanthrene	17.11	178	1676	0.116	ng	98
26) Fluoranthene	19.13	202	5642	0.239	ng	99
28) Pyrene	19.49	202	5272	0.249	ng	# 96
30) Benzo(a)anthracene	21.23	228	3742	0.153	ng	# 89
31) Chrysene	21.28	228	4240	0.148	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.15	149	9785	0.349	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	2606	0.064	ng	# 98
35) Benzo(b)fluoranthene	22.92	252	5156	0.210	ng	# 81
36) Benzo(k)fluoranthene	22.92	252	5156	0.176	ng	# 79
37) Benzo(a)pyrene	23.56	252	3427	0.135	ng	# 80
38) Dibenzo(a,h)anthracene	26.24	278	761	0.028	ng	# 49
39) Benzo(g,h,i)perylene	27.01	276	2618	0.092	ng	# 87

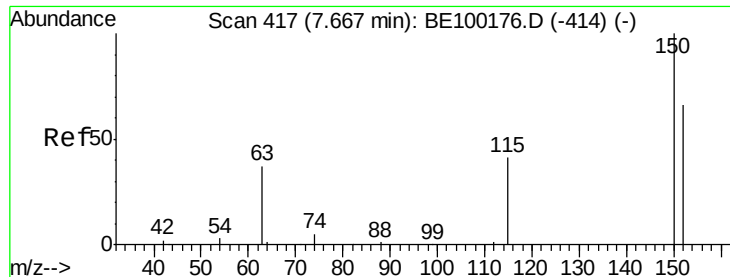
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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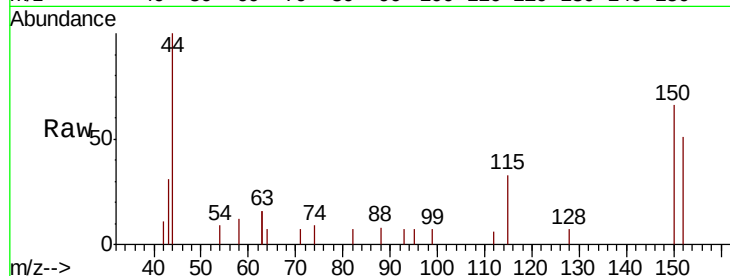


#1

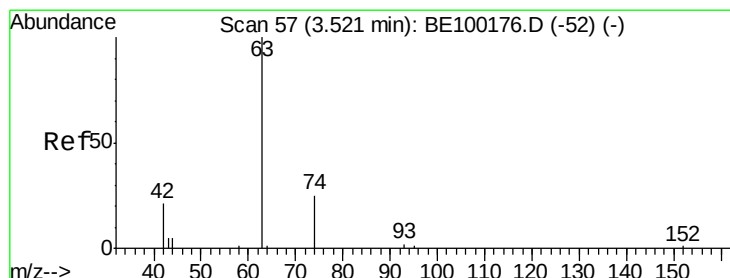
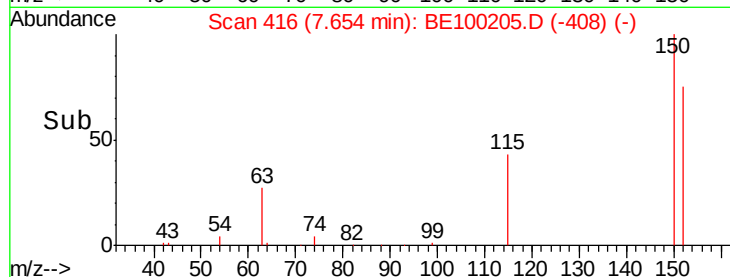
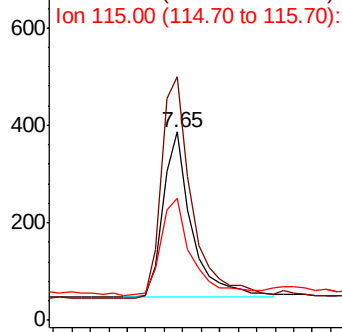
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. -0.01 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	129.3	113.4	170.2
115	65.0	55.8	83.6



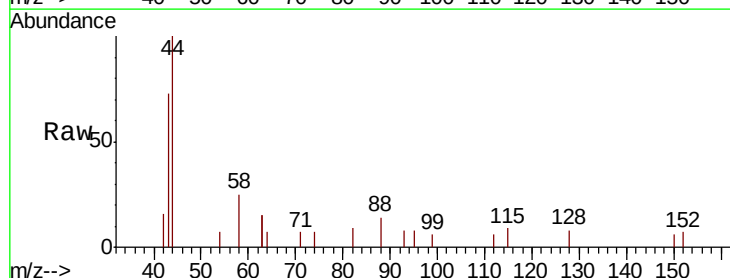
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



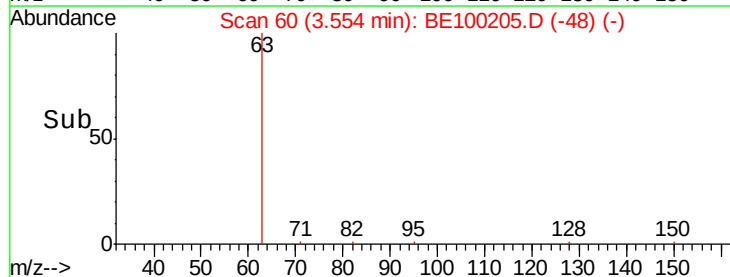
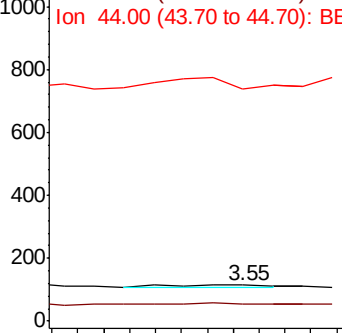
#3

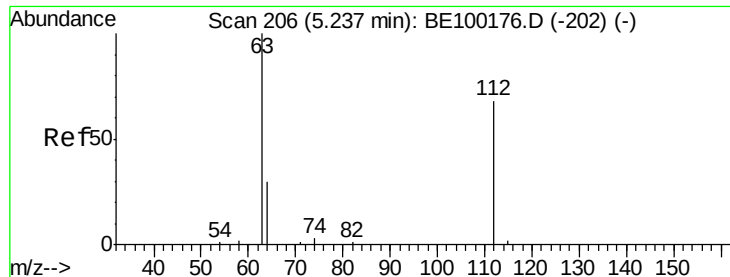
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.55 min Scan# 60
Delta R.T. 0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
42	100		
74	115.4	193.2	289.8#
44	523.1	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





#4

2-Fluorophenol

Concen: 0.329 ng

RT: 5.24 min Scan# 206

Delta R.T. -0.00 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

ClientSampled :

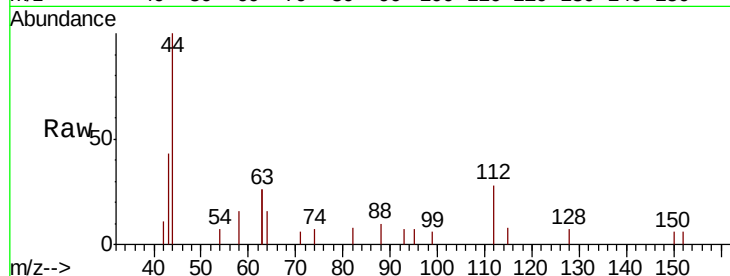
Tot Ion: 112 Resp: 533

Ion Ratio Lower Upper

112 100

64 51.4 40.7 61.1

63 134.5 93.2 139.8

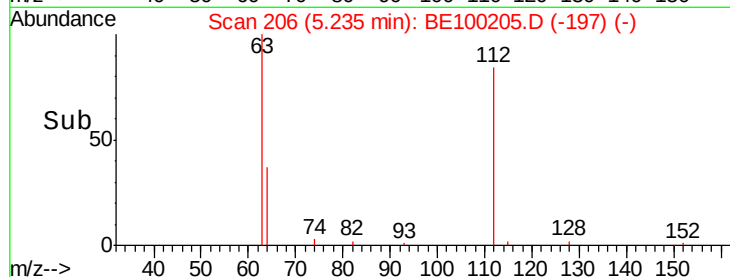


Abundance Ion 112.00 (111.70 to 112.70): BE1

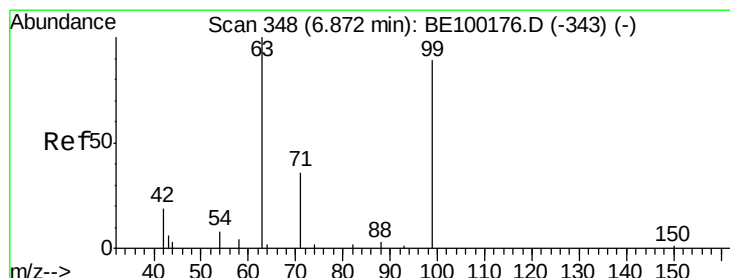
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Time-->



Time-->



#5

Phenol-d6

Concen: 0.311 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.04 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

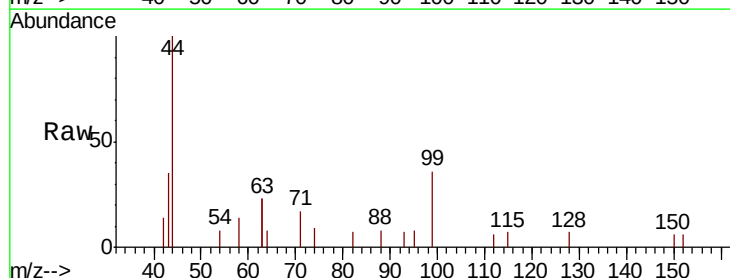
Tgt Ion: 99 Resp: 692

Ion Ratio Lower Upper

99 100

42 17.9 10.4 15.6#

71 45.5 32.4 48.6

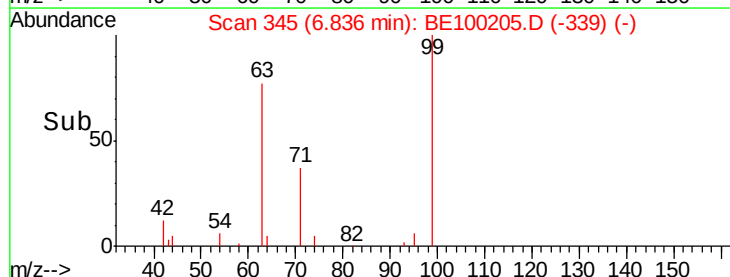


Abundance Ion 99.00 (98.70 to 99.70): BE1

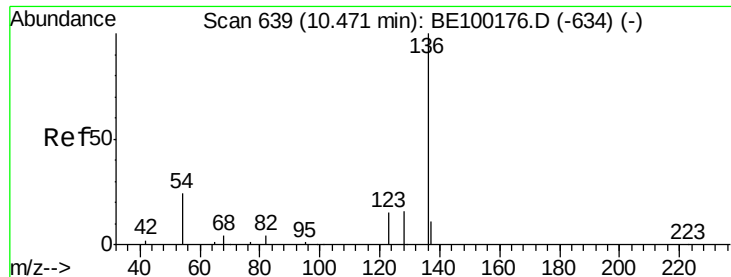
Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.45 min Scan# 637

Delta R.T. -0.03 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2486

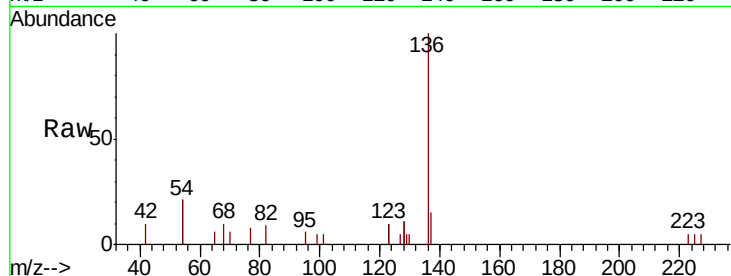
Ion Ratio Lower Upper

136 100

137 14.6 13.8 20.8

54 42.1 35.4 53.2

68 9.8 8.8 13.2

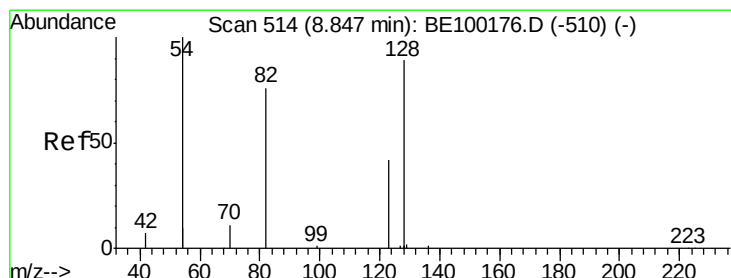
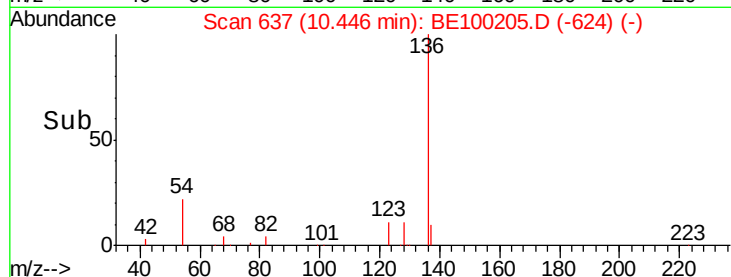
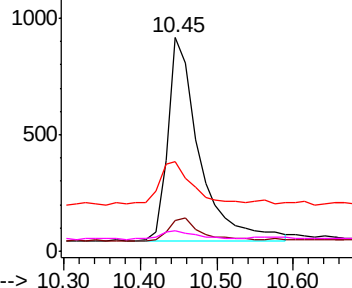


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.281 ng

RT: 8.84 min Scan# 513

Delta R.T. -0.01 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

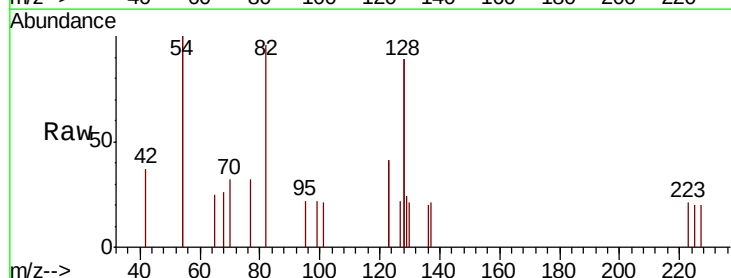
Tgt Ion: 82 Resp: 696

Ion Ratio Lower Upper

82 100

128 184.9 144.6 217.0

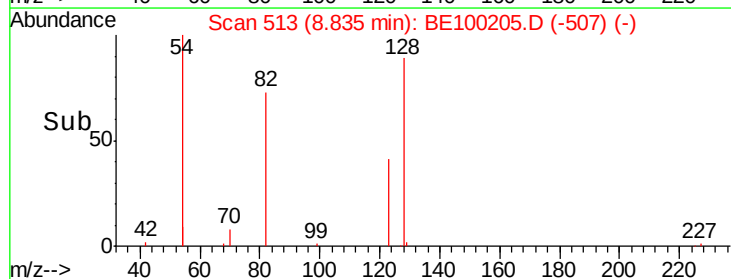
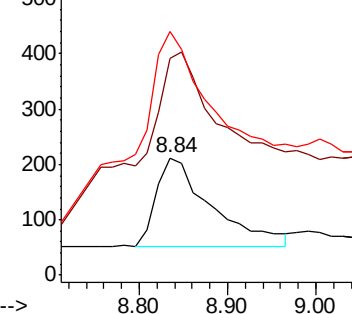
54 207.5 163.0 244.6

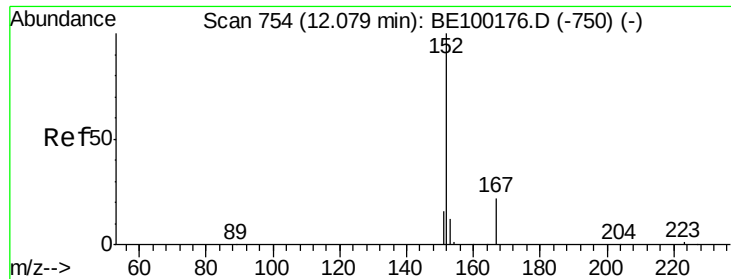


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

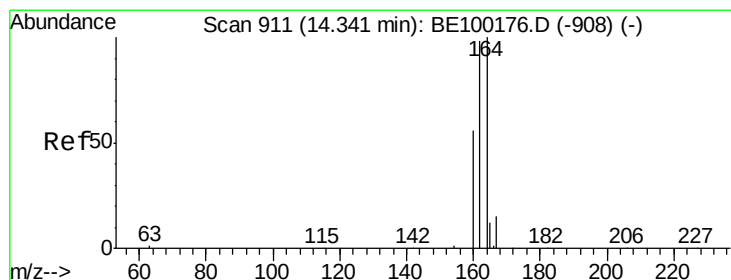
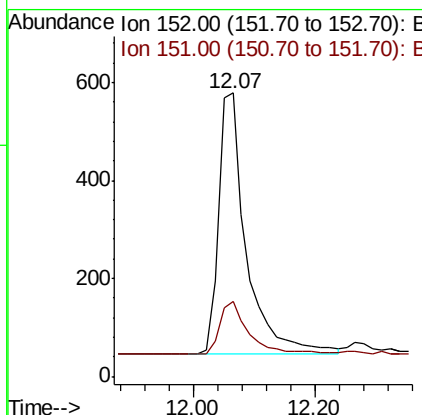
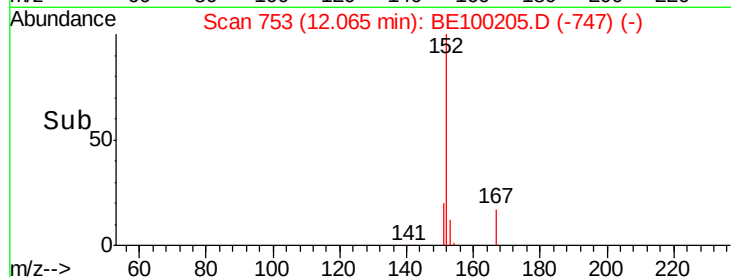
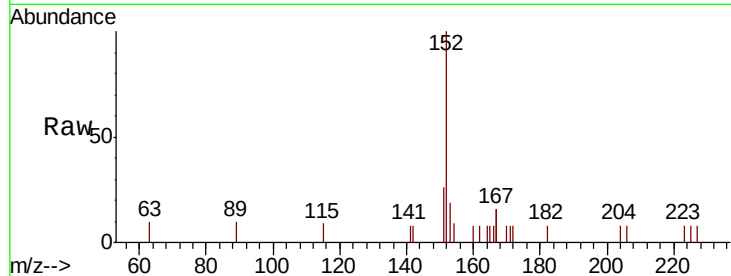




#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.07 min Scan# 753
Delta R.T. -0.01 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

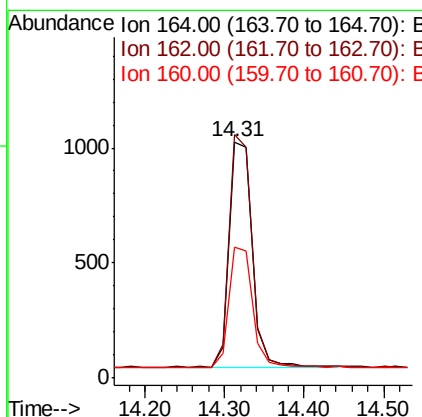
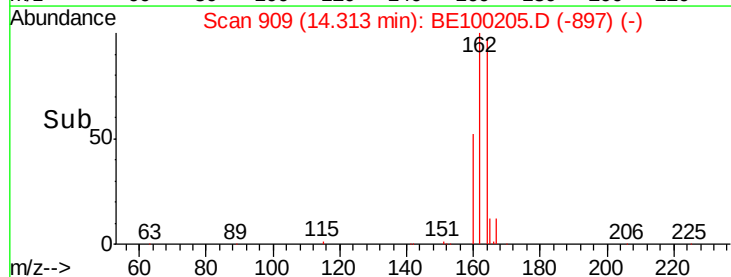
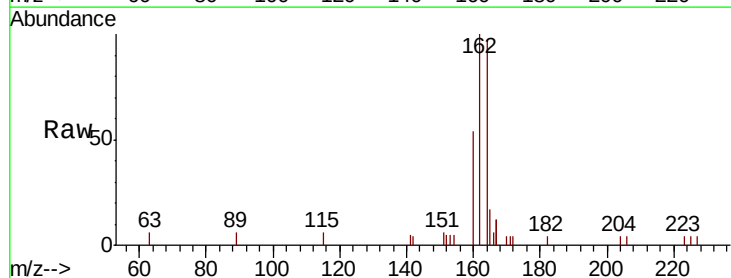
Instrument :
BNA_E
ClientSampleId :

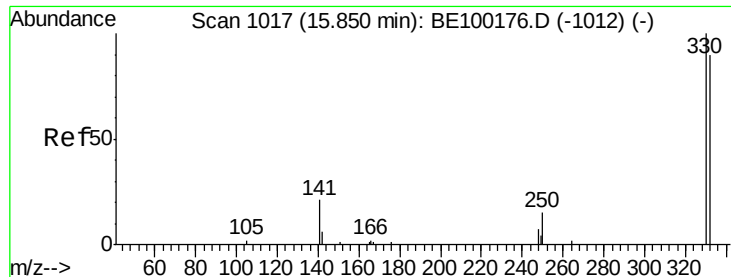
Tot Ion:152 Resp: 1706
Ion Ratio Lower Upper
152 100
151 21.4 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion:164 Resp: 1963
Ion Ratio Lower Upper
164 100
162 103.0 78.6 118.0
160 55.5 46.9 70.3

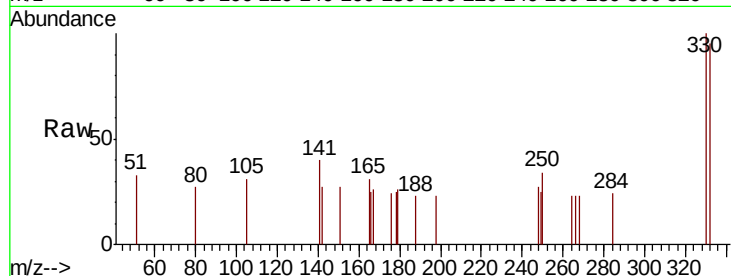




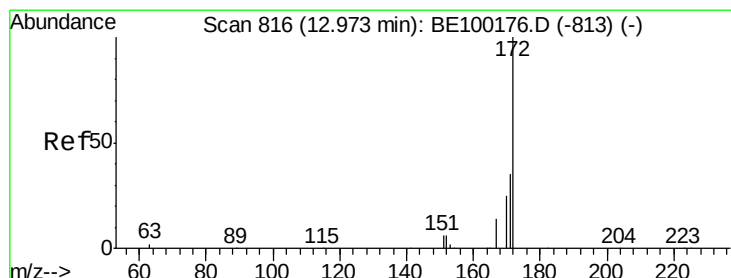
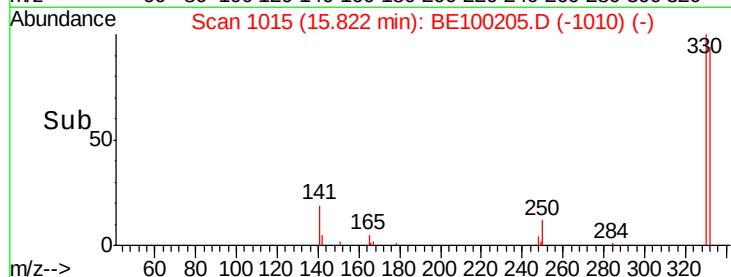
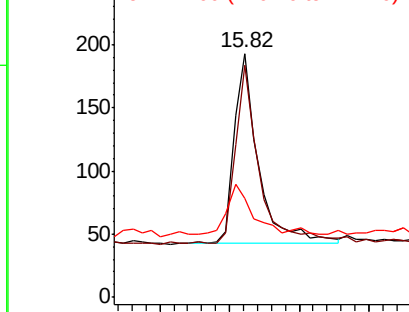
#14
 2,4,6-Tribromophenol
 Concen: 0.315 ng
 RT: 15.82 min Scan# 1015
 Delta R.T. -0.03 min
 Lab File: BE100205.D
 Acq: 27 Jun 2019 15:27

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 358
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.7 116.5
 141 26.8 18.9 28.3

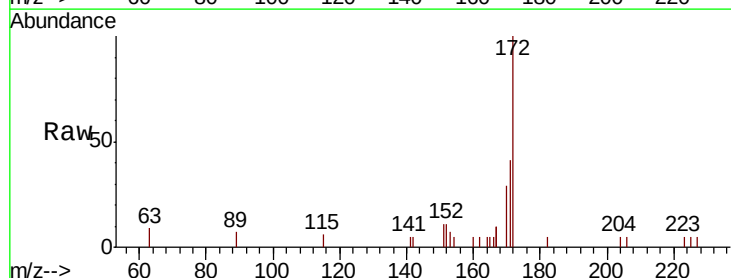


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

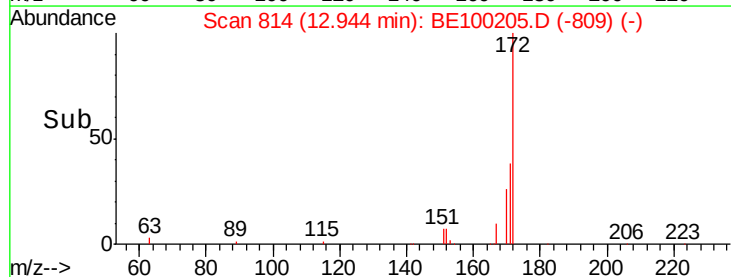
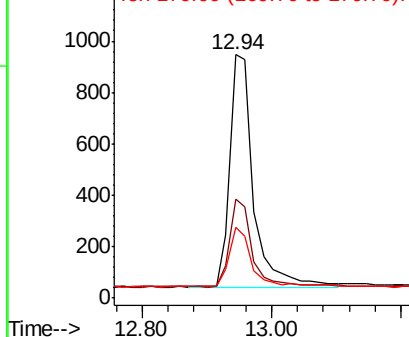


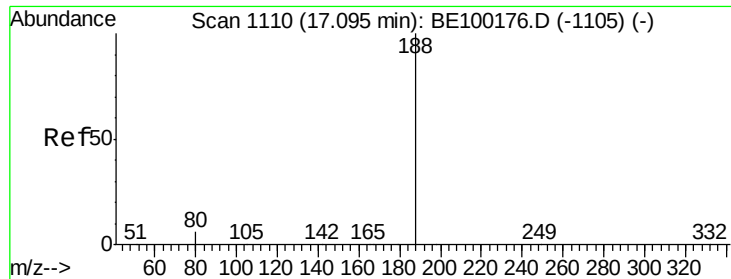
#15
 2-Fluorobiphenyl
 Concen: 0.292 ng
 RT: 12.94 min Scan# 814
 Delta R.T. -0.03 min
 Lab File: BE100205.D
 Acq: 27 Jun 2019 15:27

Tgt Ion:172 Resp: 2296
 Ion Ratio Lower Upper
 172 100
 171 40.7 31.0 46.4
 170 29.4 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

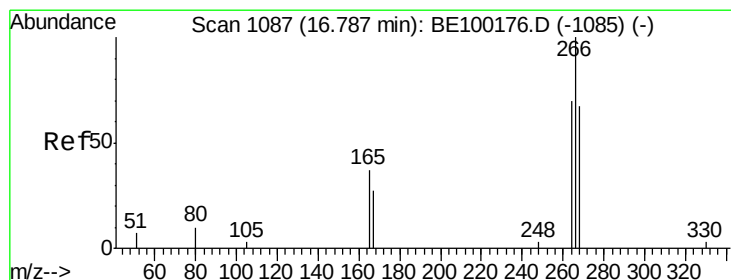
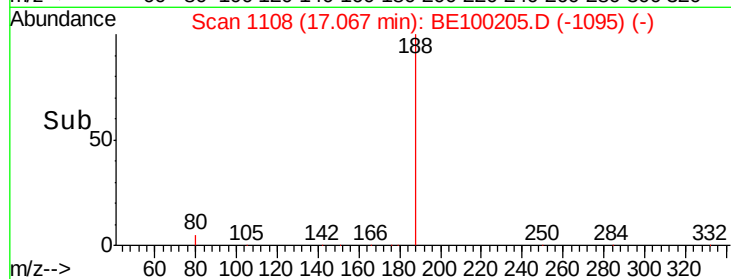
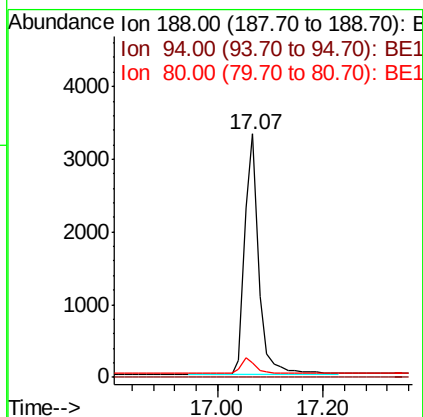
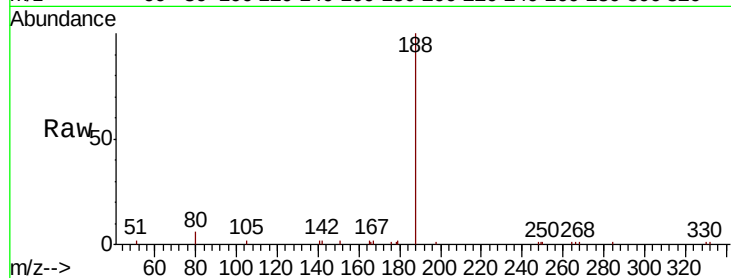




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

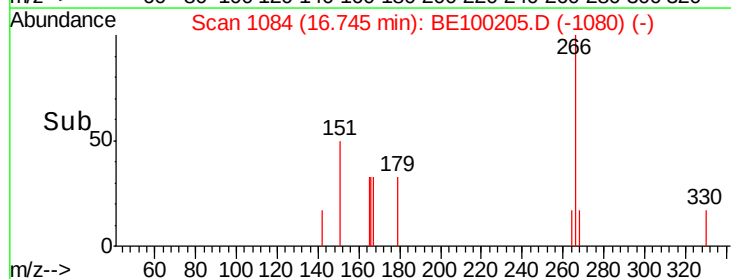
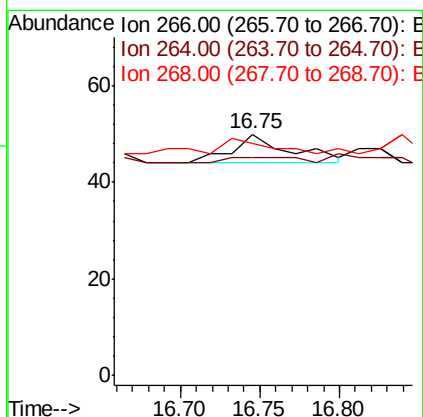
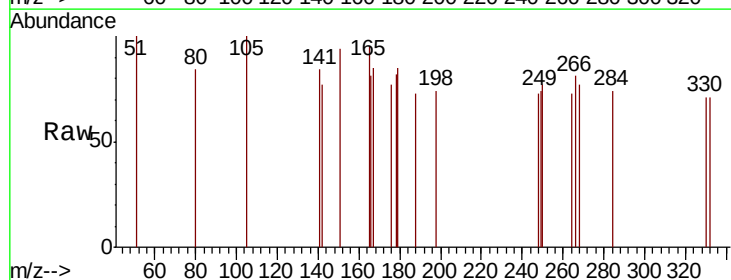
Instrument :
BNA_E
ClientSampleId :

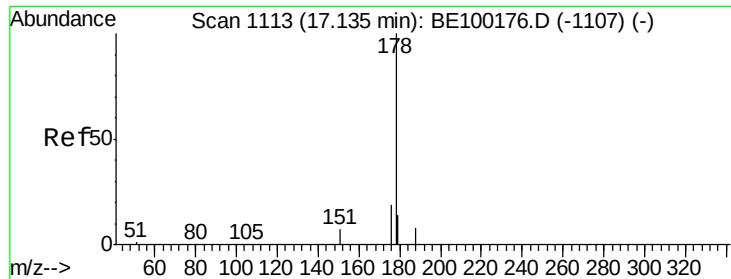
Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	6.4	9.6



#22
Pentachlorophenol
Concen: 0.282 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
266	100		
264	90.0	67.7	101.5
268	96.0	69.8	104.6

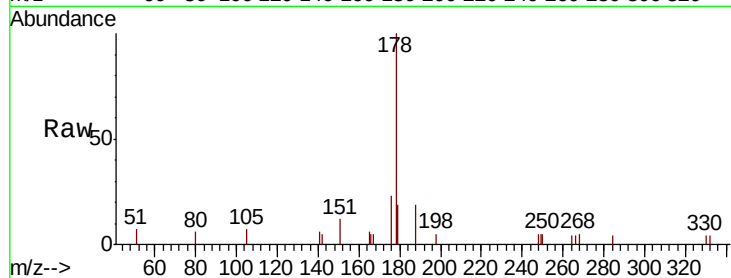




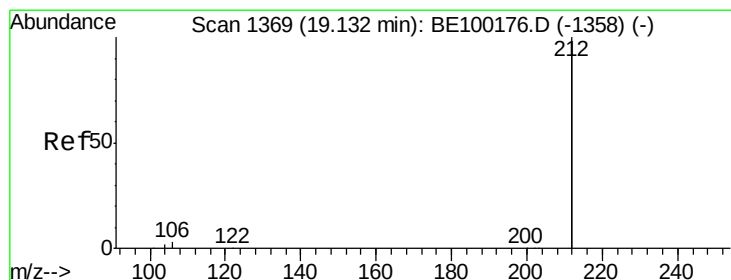
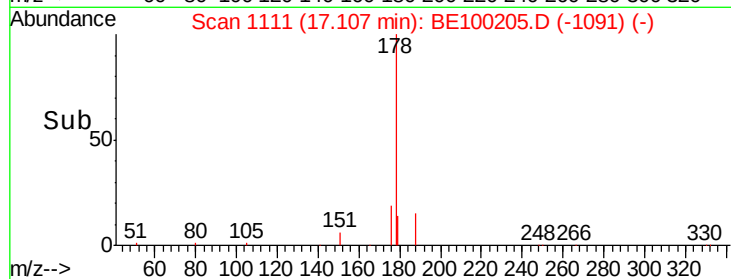
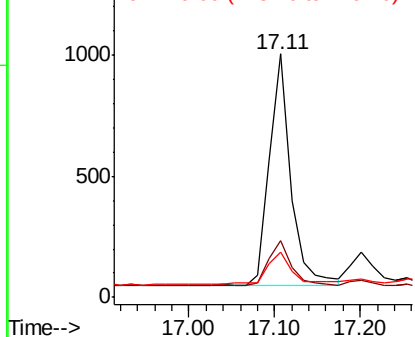
#23
Phenanthrene
Concen: 0.116 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 1676
Ion Ratio Lower Upper
178 100
176 20.9 15.5 23.3
179 15.3 12.2 18.2

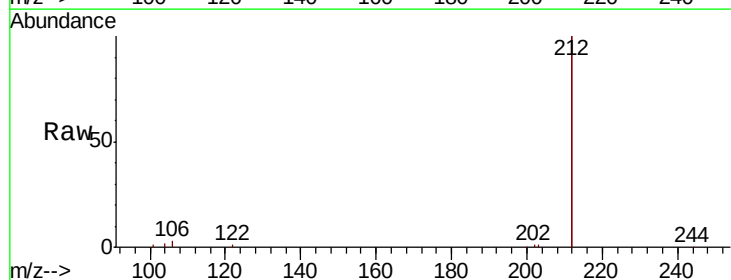


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

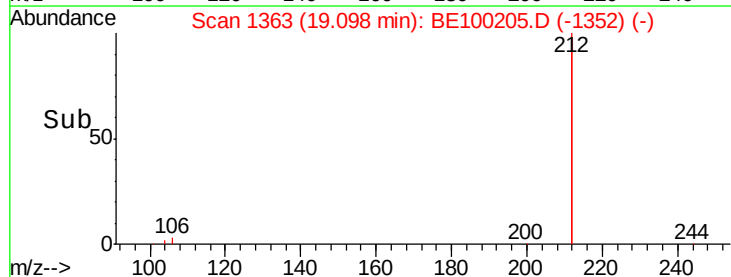
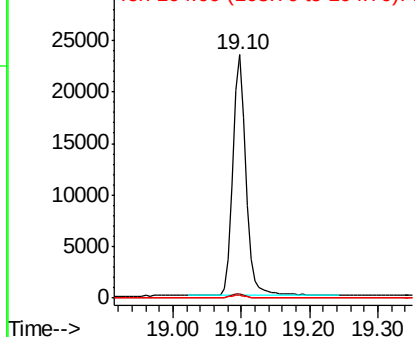


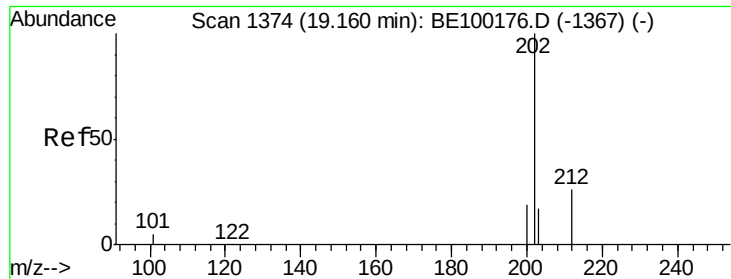
#25
Fluoranthene-d10
Concen: 0.367 ng
RT: 19.10 min Scan# 1363
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion:212 Resp: 32399
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

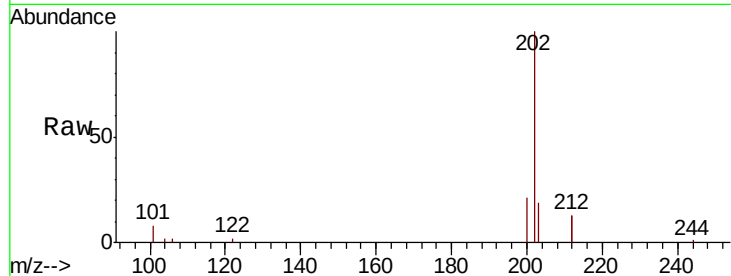




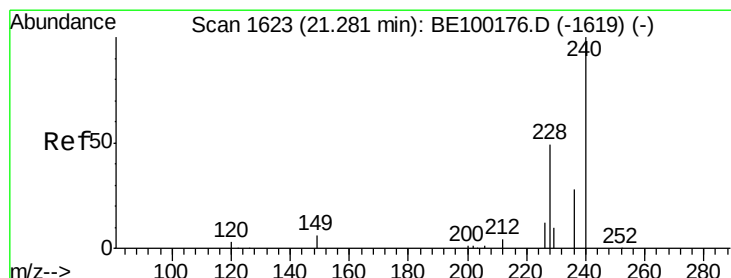
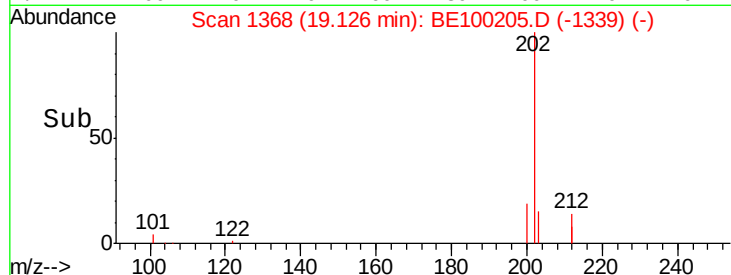
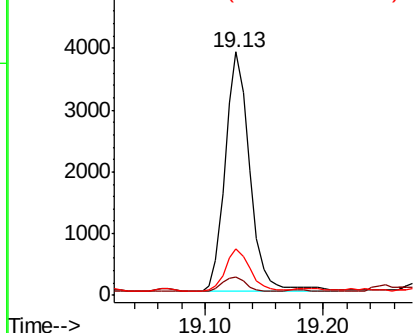
#26
Fluoranthene
Concen: 0.239 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Instrument :
BNA_E
ClientSampled :

Tot Ion:202 Resp: 5642
Ion Ratio Lower Upper
202 100
101 6.1 4.5 6.7
203 17.2 13.7 20.5

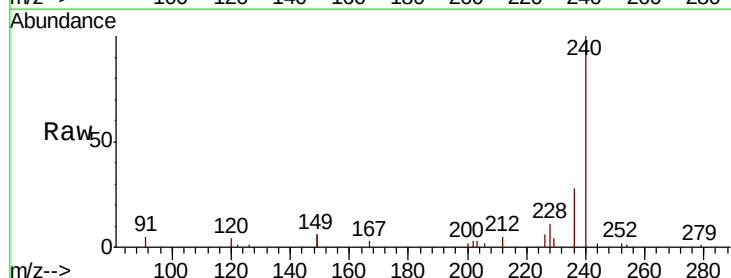


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

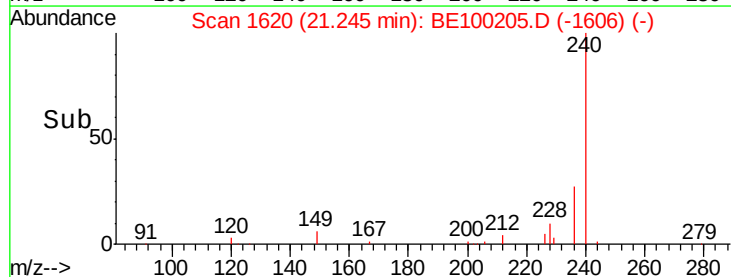
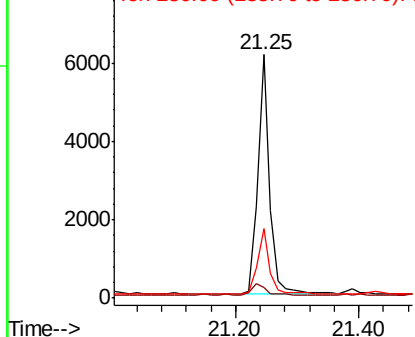


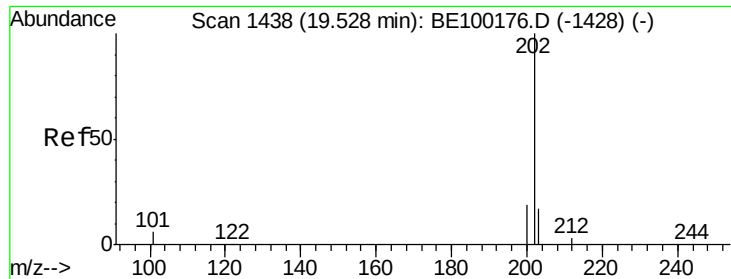
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion:240 Resp: 8274
Ion Ratio Lower Upper
240 100
120 4.3 4.1 6.1
236 28.4 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

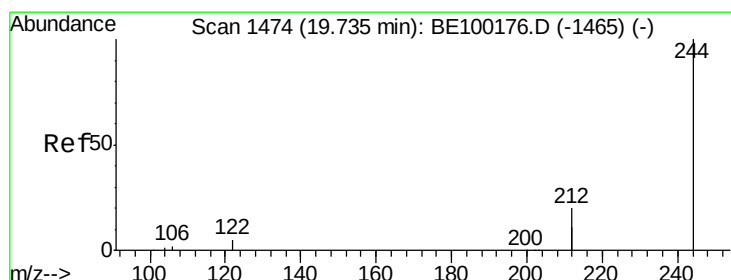
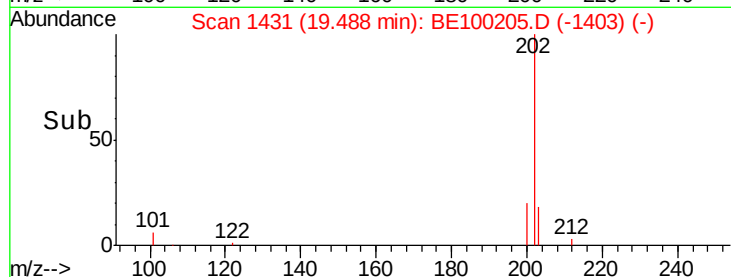
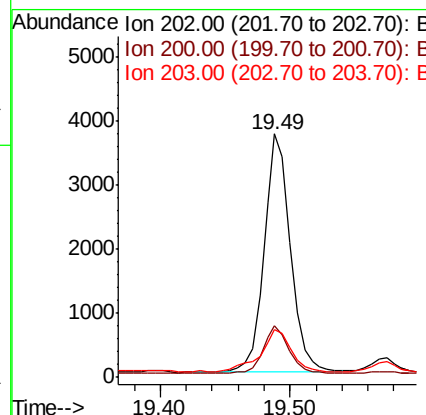
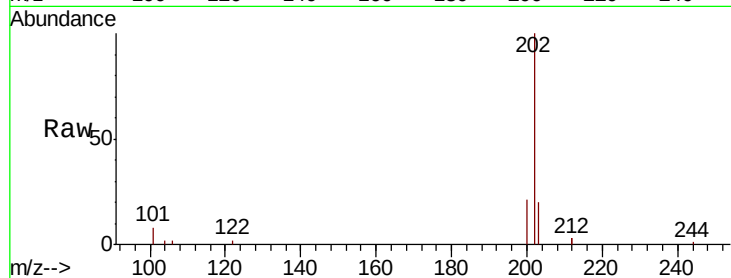




#28
Pvrene
Concen: 0.249 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

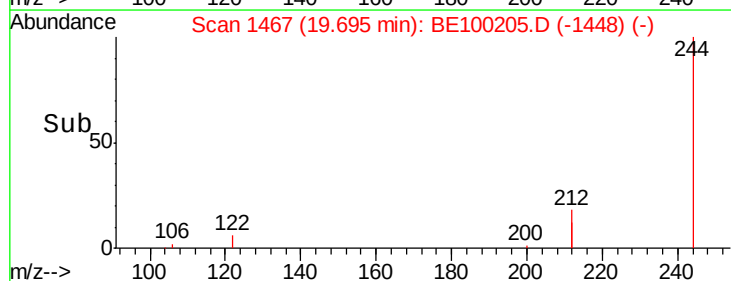
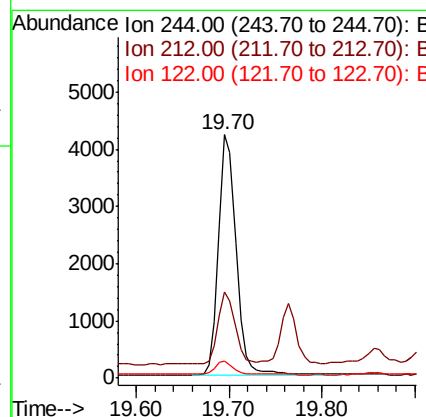
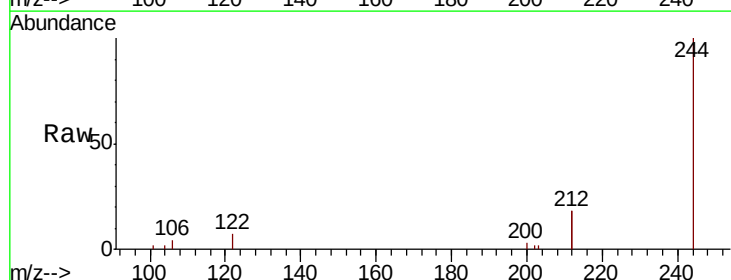
Instrument :
BNA_E
ClientSampleId :

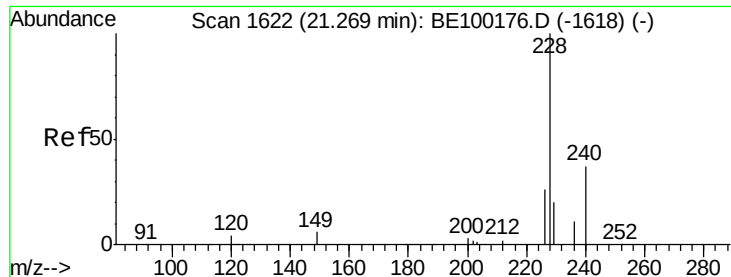
Tot Ion:202 Resp: 5272
Ion Ratio Lower Upper
202 100
200 19.8 15.5 23.3
203 20.9 13.9 20.9#



#29
Terphenyl-d14
Concen: 0.346 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion:244 Resp: 5618
Ion Ratio Lower Upper
244 100
212 35.1 30.7 46.1
122 7.2 5.8 8.6

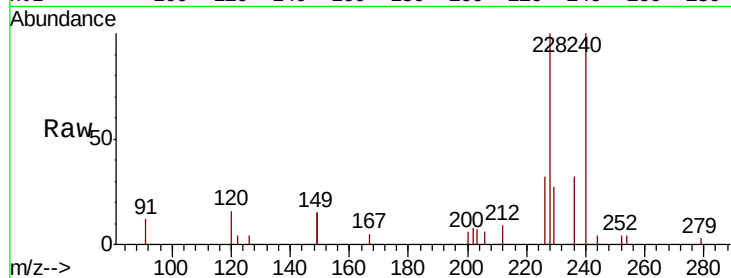




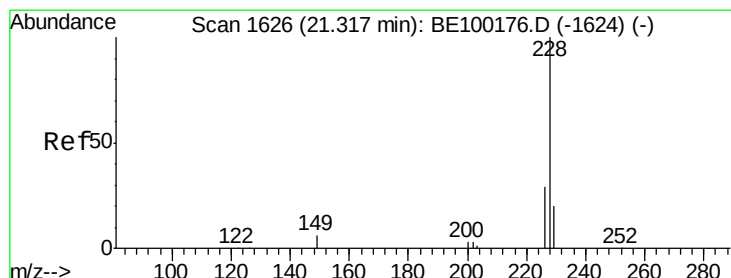
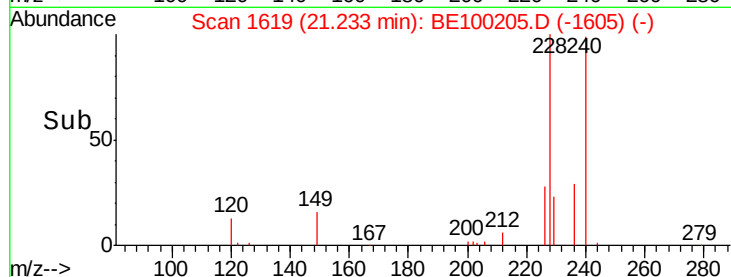
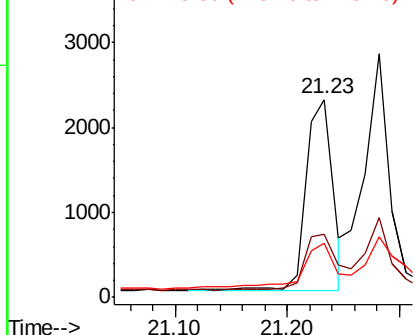
#30
Benzo(a)anthracene
Concen: 0.153 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 3742
Ion Ratio Lower Upper
228 100
226 31.7 21.5 32.3
229 27.3 17.2 25.8#

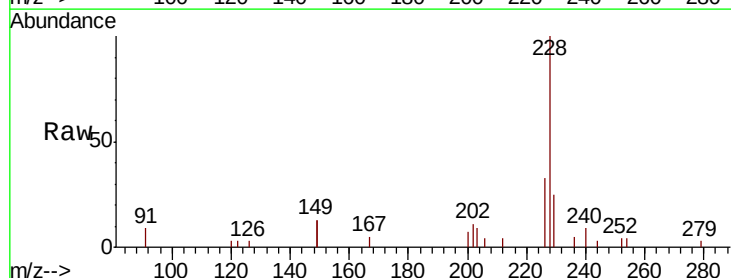


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

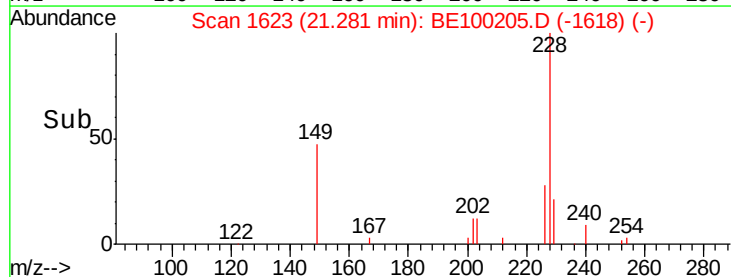
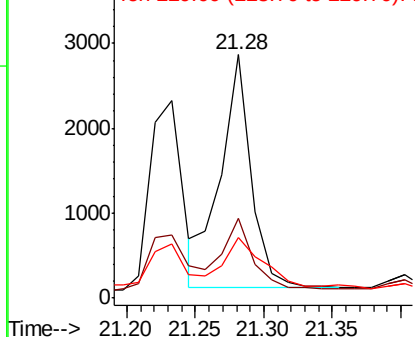


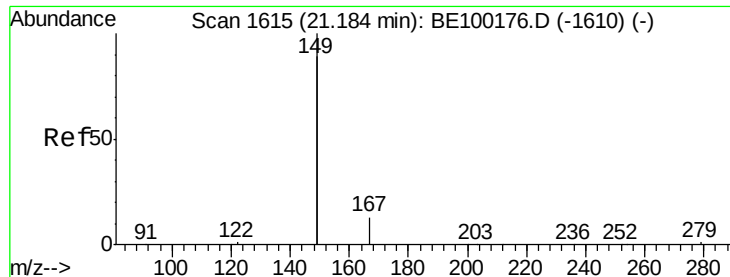
#31
Chrysene
Concen: 0.148 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion:228 Resp: 4240
Ion Ratio Lower Upper
228 100
226 32.6 23.7 35.5
229 24.9 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: 0.349 ng

RT: 21.15 min Scan# 1612

Delta R.T. -0.04 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

ClientSampleId :

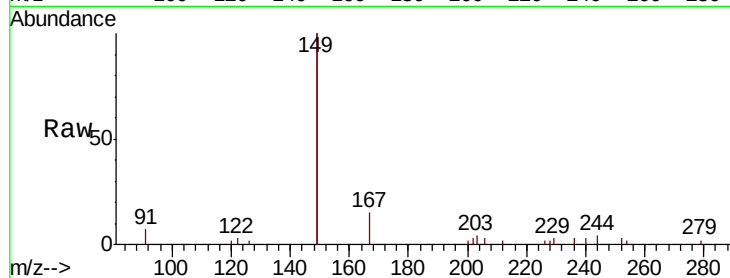
Tot Ion:149 Resp: 9785

Ion Ratio Lower Upper

149 100

167 7.7 5.9 8.9

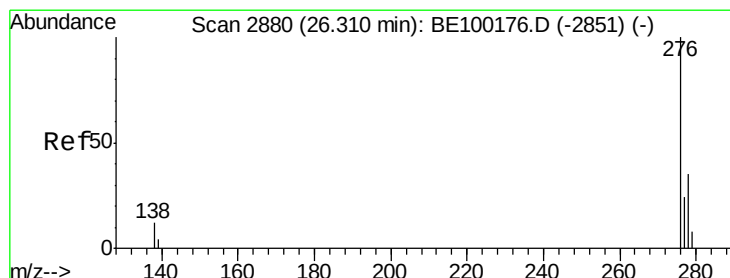
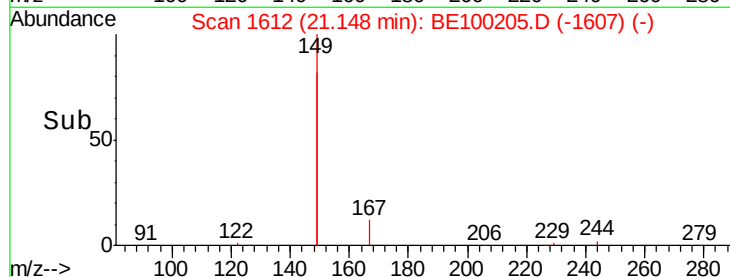
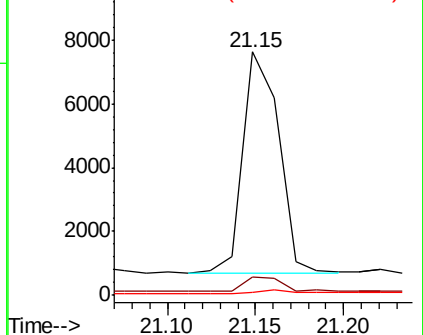
279 1.5 1.0 1.6



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.064 ng

RT: 26.22 min Scan# 2855

Delta R.T. -0.09 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

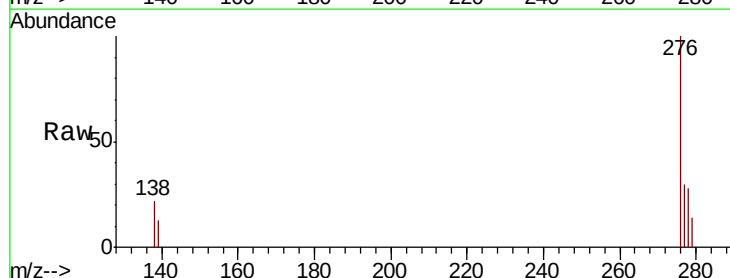
Tgt Ion:276 Resp: 2606

Ion Ratio Lower Upper

276 100

138 7.1 3.7 5.5#

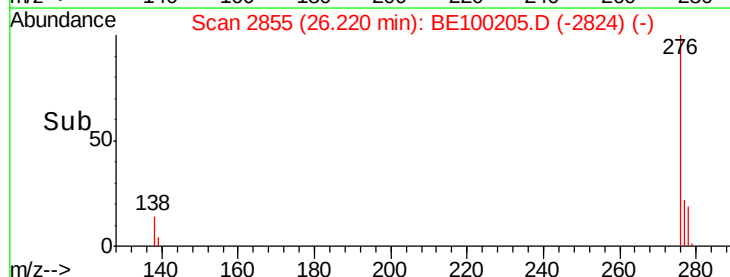
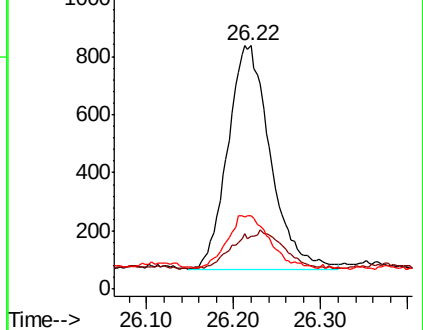
277 23.6 18.7 28.1

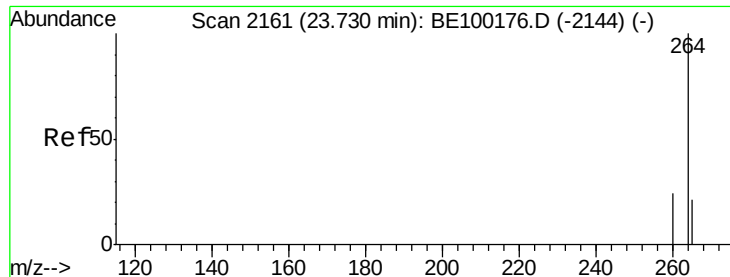


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

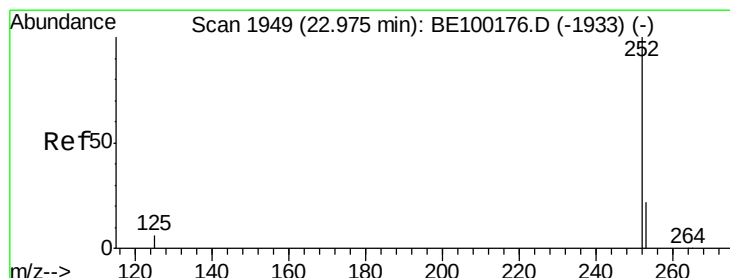
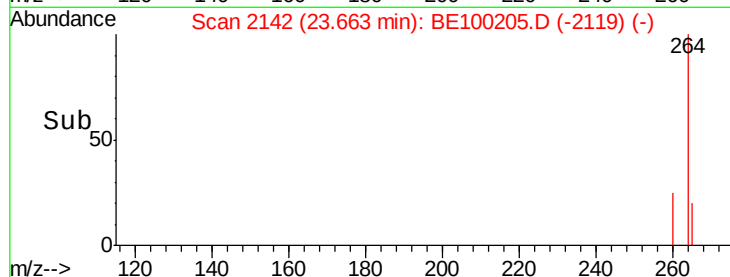
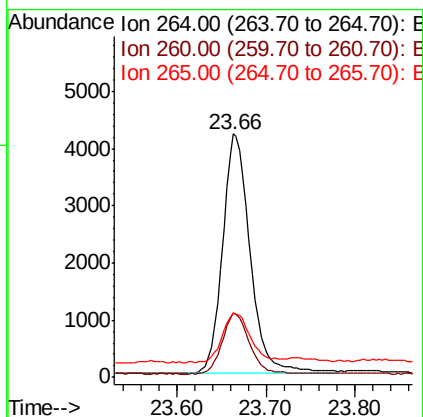
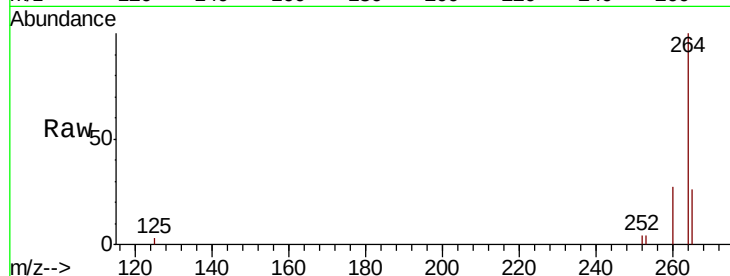




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.66 min Scan# 2142
 Delta R.T. -0.07 min
 Lab File: BE100205.D
 Acq: 27 Jun 2019 15:27

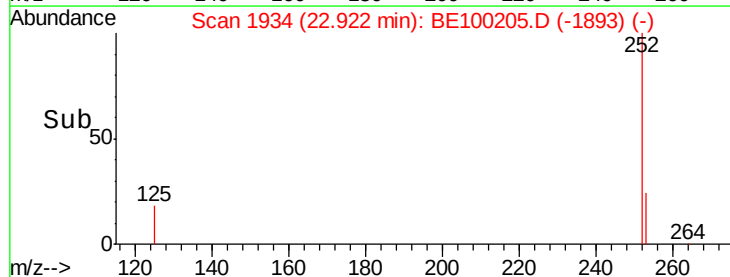
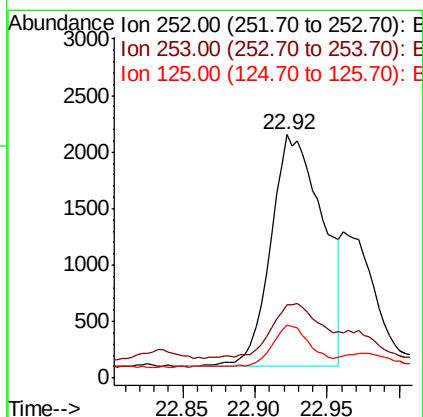
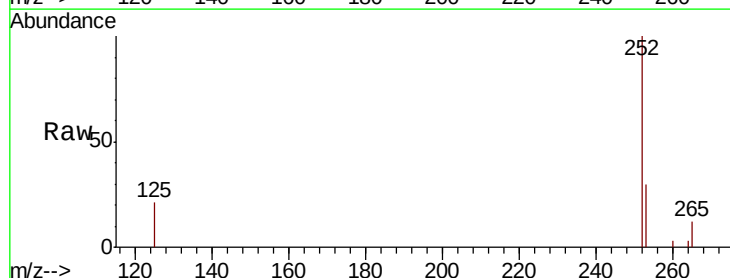
Instrument :
 BNA_E
 ClientSampleId :

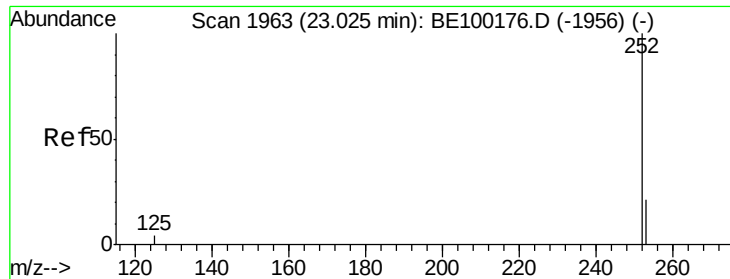
Tot Ion:264 Resp: 9120
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.4 30.6
 265 26.4 22.5 33.7



#35
 Benzo(b)fluoranthene
 Concen: 0.210 ng
 RT: 22.92 min Scan# 1934
 Delta R.T. -0.05 min
 Lab File: BE100205.D
 Acq: 27 Jun 2019 15:27

Tgt Ion:252 Resp: 5156
 Ion Ratio Lower Upper
 252 100
 253 29.9 19.0 28.4#
 125 21.5 6.3 9.5#

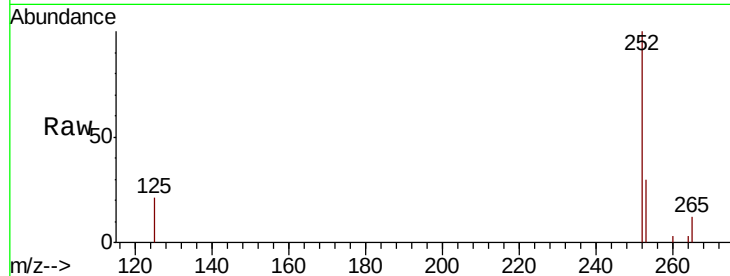




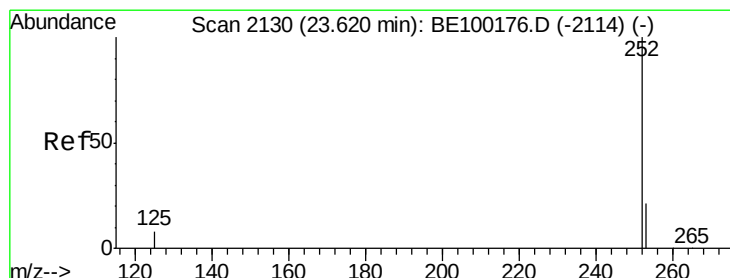
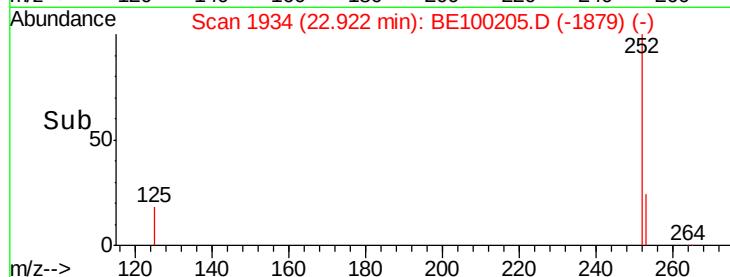
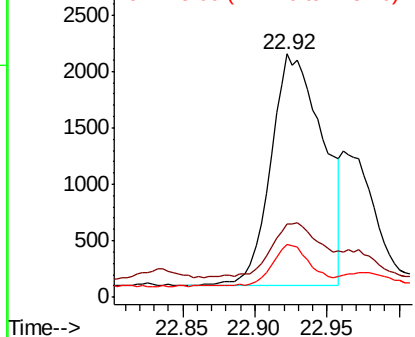
#36
Benzo(k)fluoranthene
Concen: 0.176 ng
RT: 22.92 min Scan# 1934
Delta R.T. -0.10 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 5156
Ion Ratio Lower Upper
252 100
253 29.9 18.4 27.6#
125 21.5 5.0 7.4#

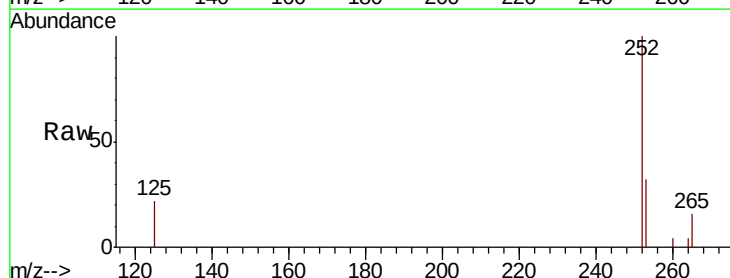


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

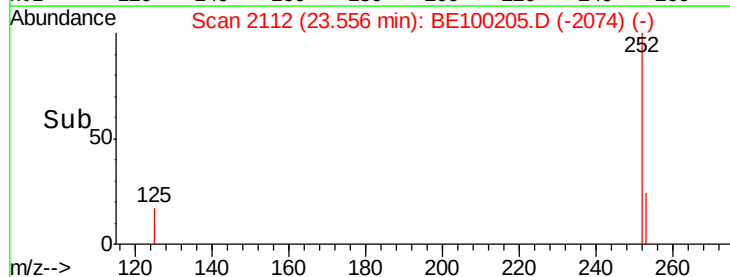
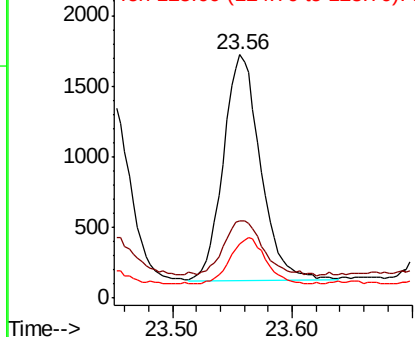


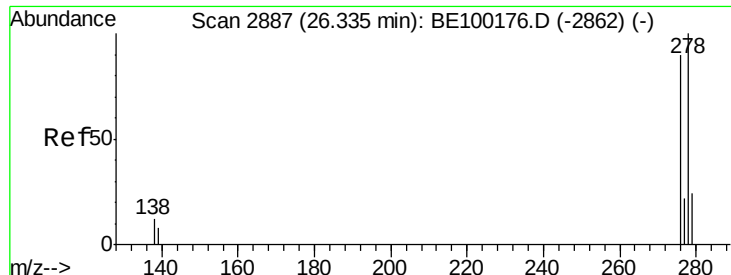
#37
Benzo(a)pyrene
Concen: 0.135 ng
RT: 23.56 min Scan# 2112
Delta R.T. -0.06 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion:252 Resp: 3427
Ion Ratio Lower Upper
252 100
253 31.7 19.2 28.8#
125 22.0 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: 0.028 ng

RT: 26.24 min Scan# 2860

Delta R.T. -0.10 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

ClientSampleId :

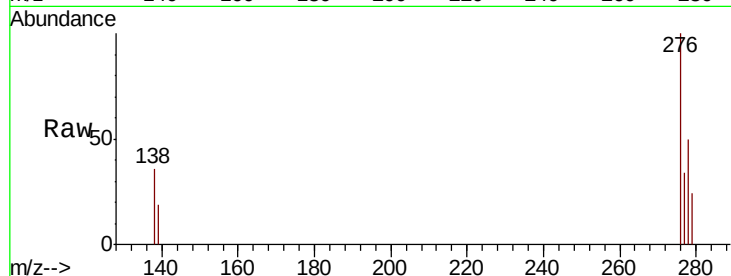
Tot Ion:278 Resp: 761

Ion Ratio Lower Upper

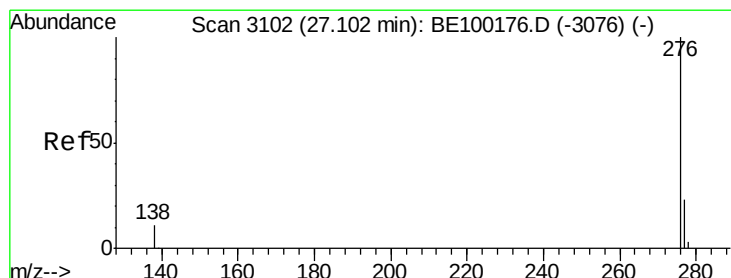
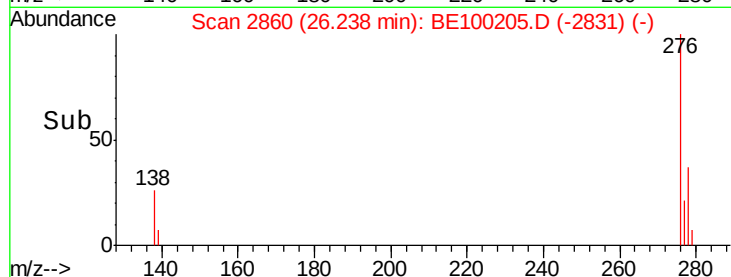
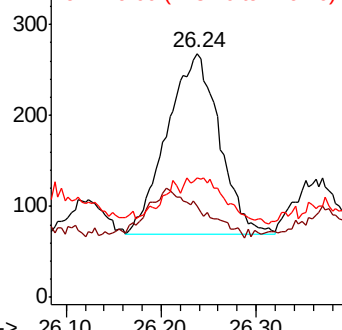
278 100

139 37.7 9.0 13.4#

279 48.9 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(g,h,i)perylene

Concen: 0.092 ng

RT: 27.01 min Scan# 3076

Delta R.T. -0.09 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

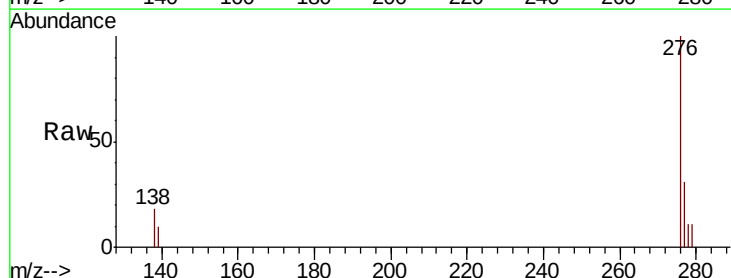
Tgt Ion:276 Resp: 2618

Ion Ratio Lower Upper

276 100

277 30.8 19.8 29.6#

138 18.1 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

