

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100366.D
 Acq On : 4 Jul 2019 14:41
 Operator : JU/SJ
 Sample : K3558-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 01:15:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	647	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2218	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1833	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5378	0.40	ng	0.00
27) Chrysene-d12	21.25	240	7572	0.40	ng	0.00
34) Perylene-d12	23.67	264	9374	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	377	0.23	ng	-0.01
5) Phenol-d6	6.83	99	510	0.23	ng	-0.01
8) Nitrobenzene-d5	8.81	82	486	0.22	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1032	0.25	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	356	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1565	0.22	ng	-0.01
25) Fluoranthene-d10	19.09	212	16525	0.21	ng	0.00
29) Terphenyl-d14	19.69	244	3661	0.23	ng	-0.01

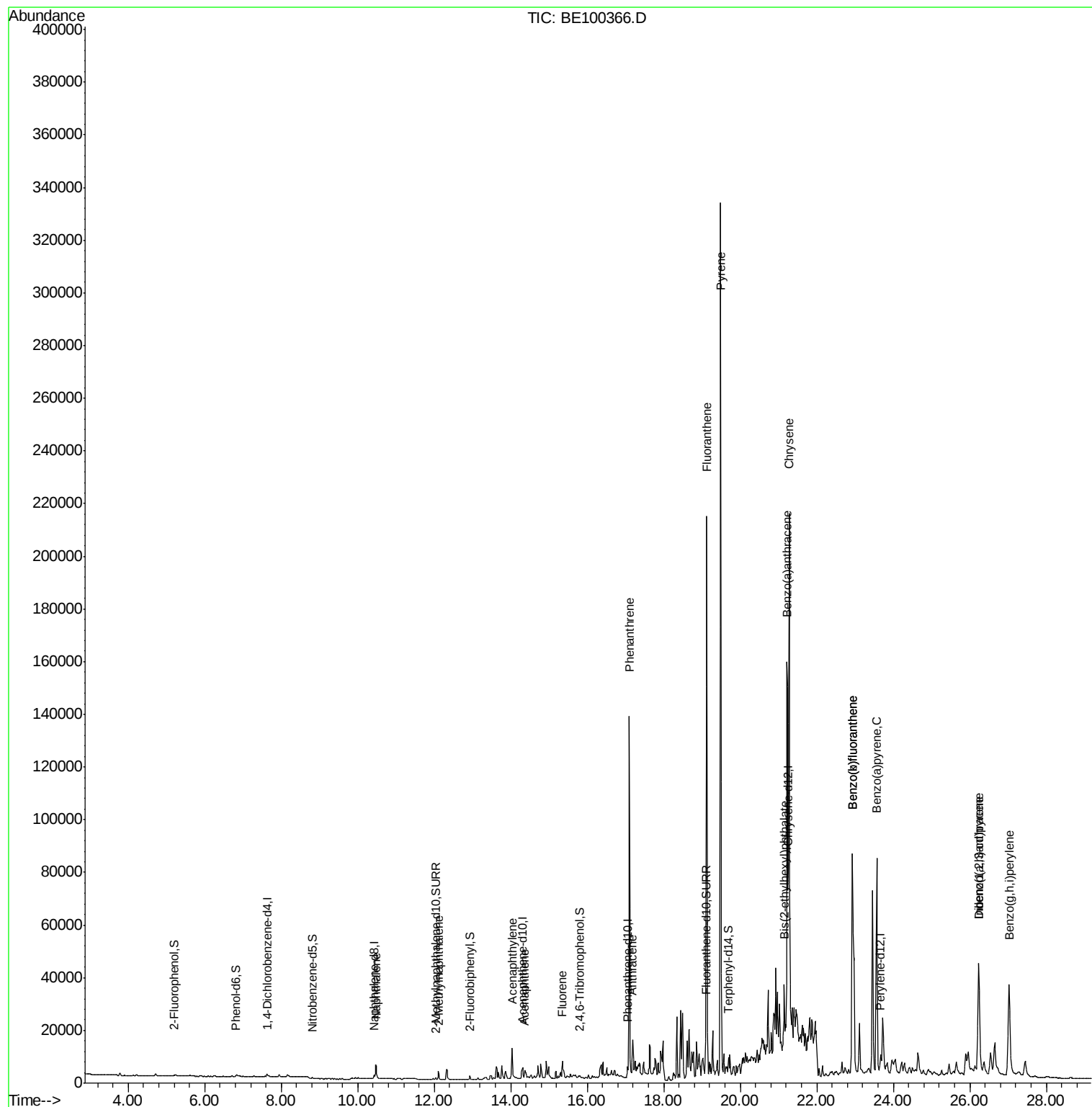
Target Compounds				Qvalue		
9) Naphthalene	10.47	128	11796	0.482	ng	100
12) 2-Methylnaphthalene	12.11	142	2465	0.574	ng	98
16) Acenaphthylene	14.04	152	18576	2.112	ng	99
17) Acenaphthene	14.37	154	1682	0.337	ng	96
18) Fluorene	15.35	166	5911	0.802	ng	# 86
23) Phenanthrene	17.09	178	140754	10.798	ng	100
24) Anthracene	17.19	178	15031	1.281	ng	# 95
26) Fluoranthene	19.13	202	214754	10.344	ng	98
28) Pyrene	19.49	202	311266	15.527	ng	96
30) Benzo(a)anthracene	21.22	228	148677	5.972	ng	94
31) Chrysene	21.28	228	191216	7.649	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	15769	0.391	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	85524	2.586	ng	# 96
35) Benzo(b)fluoranthene	22.93	252	167953	6.608	ng	# 95
36) Benzo(k)fluoranthene	22.93	252	167953	5.920	ng	# 98
37) Benzo(a)pyrene	23.56	252	132768	5.212	ng	# 93
38) Dibenzo(a,h)anthracene	26.24	278	23872	0.897	ng	# 86
39) Benzo(a,h,i)perylene	27.02	276	98466	3.603	ng	99

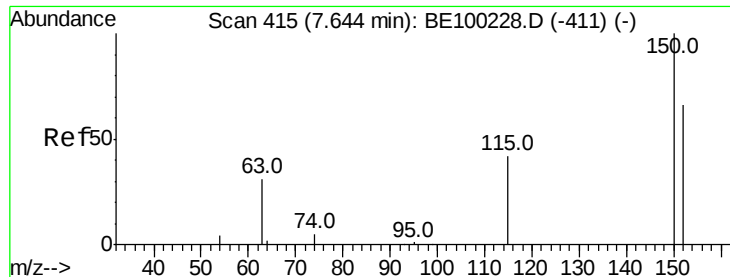
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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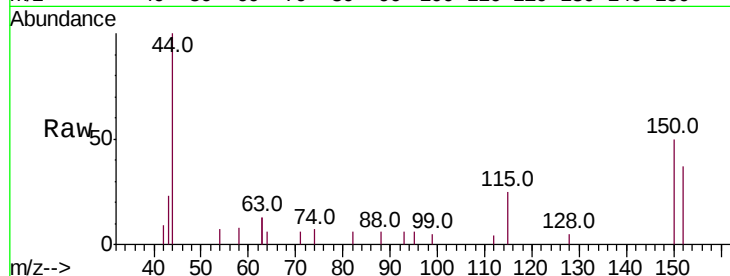


#1

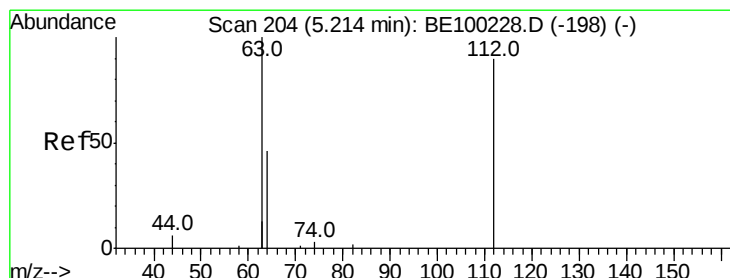
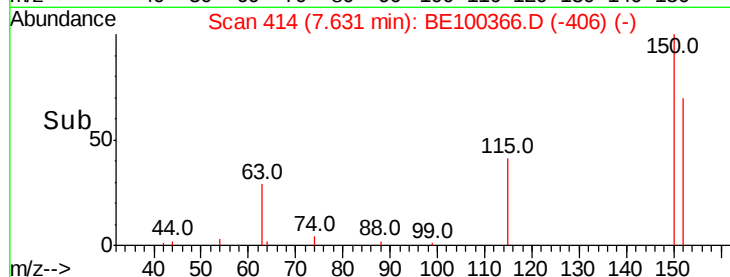
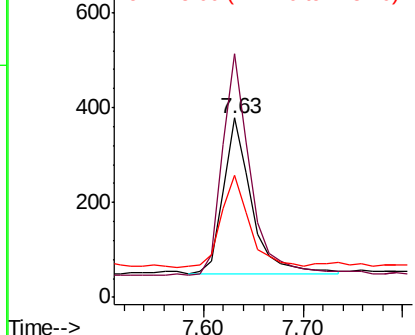
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 647
Ion Ratio Lower Upper
152 100
150 135.7 114.5 171.7
115 68.0 57.1 85.7



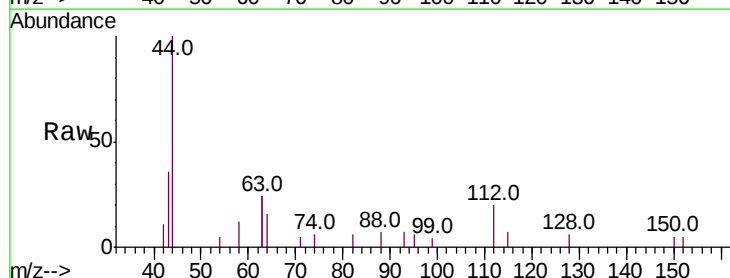
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



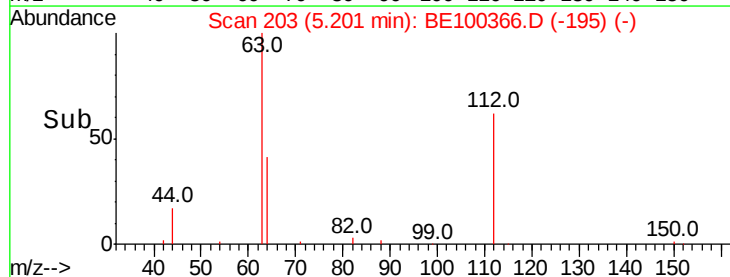
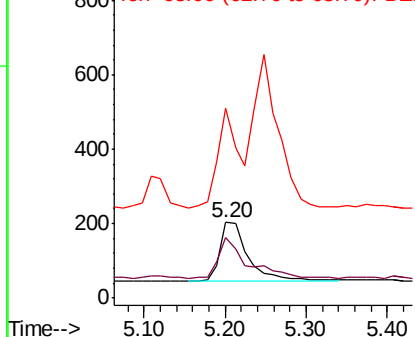
#4

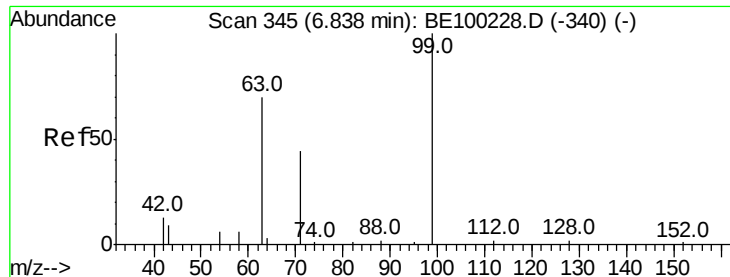
2-Fluorophenol
Concen: 0.228 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:112 Resp: 377
Ion Ratio Lower Upper
112 100
64 69.5 39.4 59.0#
63 127.3 104.5 156.7



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: 0.235 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

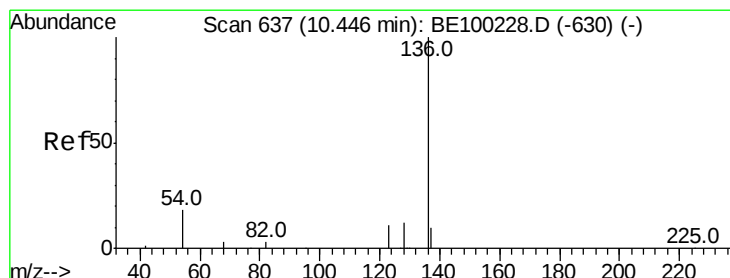
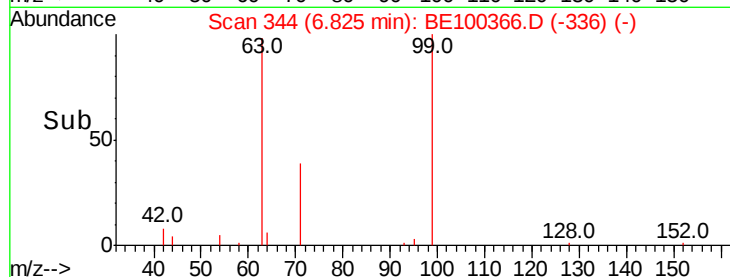
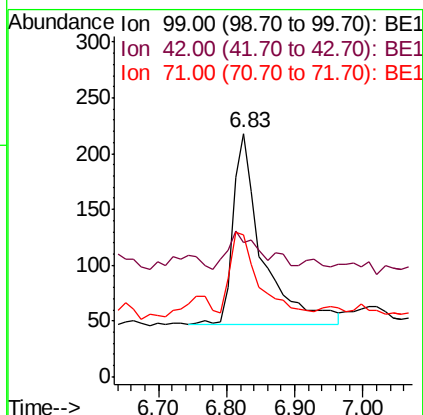
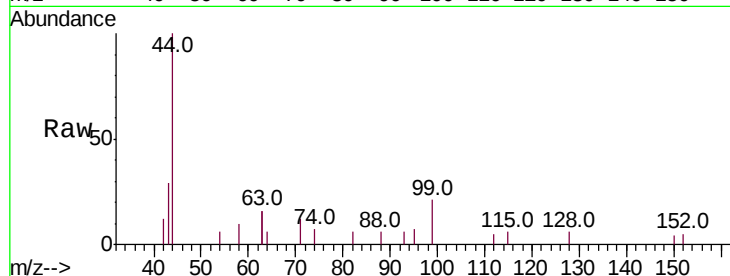
Instrument :

BNA_E

ClientSampled :

Tot Ion: 99 Resp: 510

Ion	Ratio	Lower	Upper
99	100		
42	25.3	11.2	16.8#
71	40.8	37.2	55.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

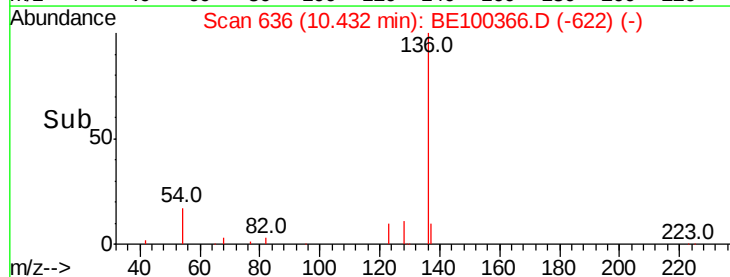
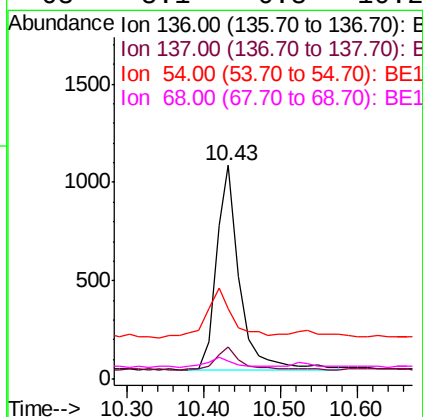
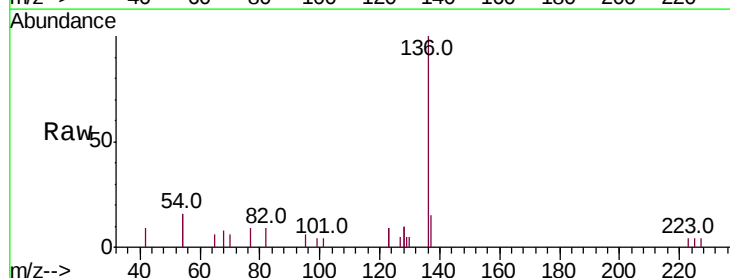
Delta R.T. -0.01 min

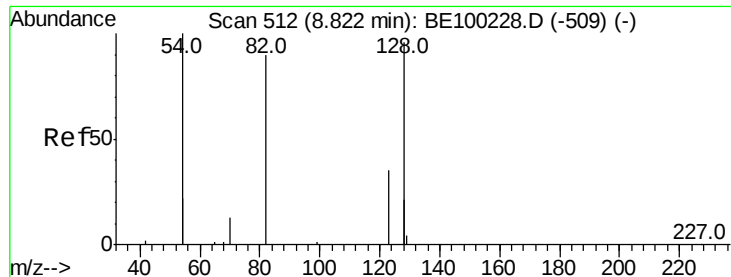
Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

Tgt Ion: 136 Resp: 2218

Ion	Ratio	Lower	Upper
136	100		
137	14.7	11.8	17.8
54	32.9	27.7	41.5
68	8.1	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.221 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

Instrument :

BNA_E

ClientSampled :

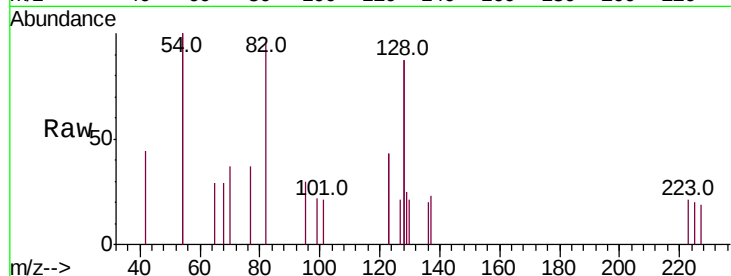
Tot Ion: 82 Resp: 486

Ion Ratio Lower Upper

82 100

128 182.6 140.9 211.3

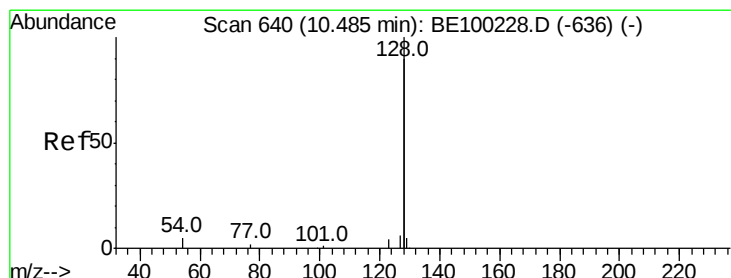
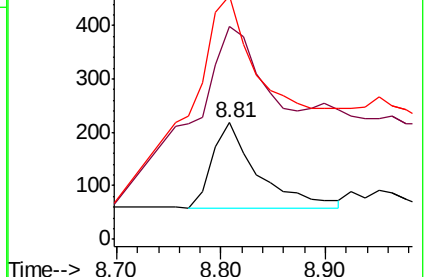
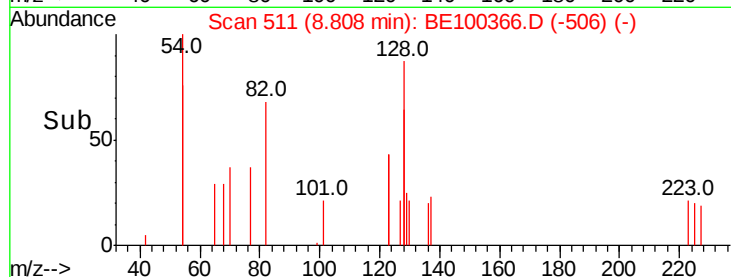
54 209.2 146.2 219.2



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



#9

Naphthalene

Concen: 0.482 ng

RT: 10.47 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

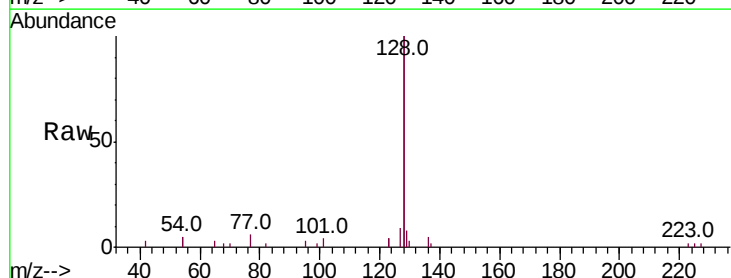
Tgt Ion: 128 Resp: 11796

Ion Ratio Lower Upper

128 100

129 3.8 3.0 4.6

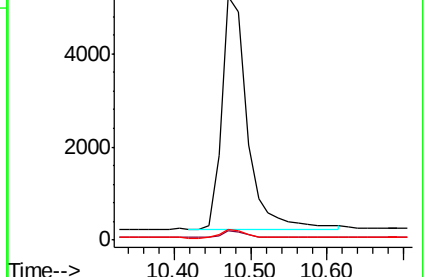
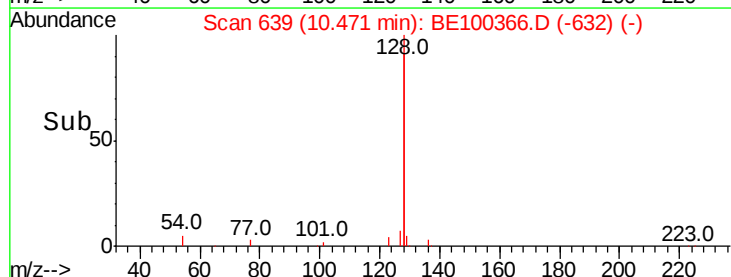
127 4.4 3.5 5.3

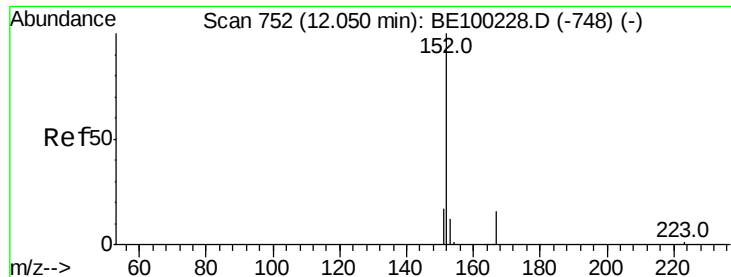


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.247 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

Instrument :

BNA_E

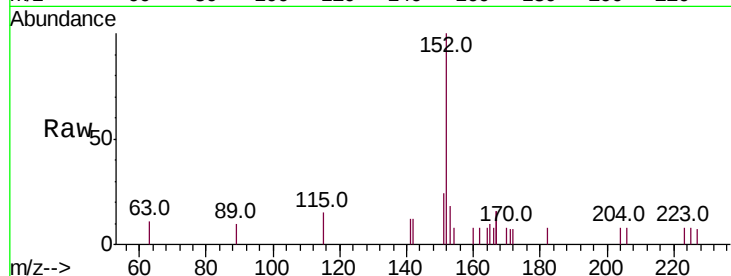
ClientSampleId :

Tot Ion:152 Resp: 1032

Ion Ratio Lower Upper

152 100

151 20.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.04

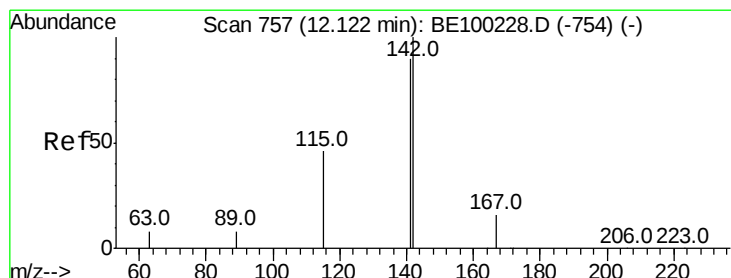
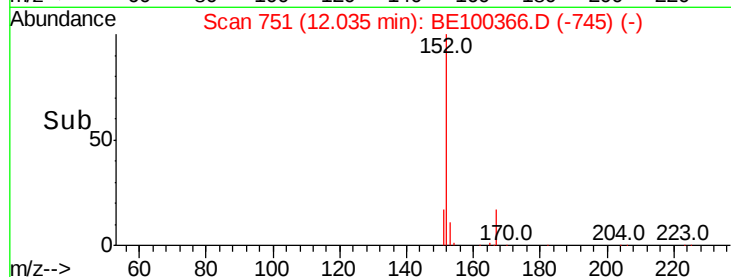
600

400

200

0

Time--> 11.90 12.00 12.10



#12

2-Methylnaphthalene

Concen: 0.574 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

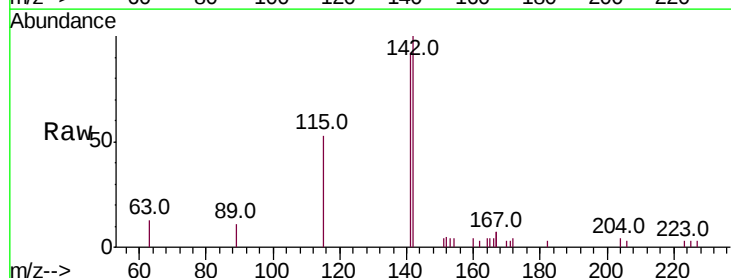
Tgt Ion:142 Resp: 2465

Ion Ratio Lower Upper

142 100

141 92.1 72.4 108.6

115 53.1 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

12.11

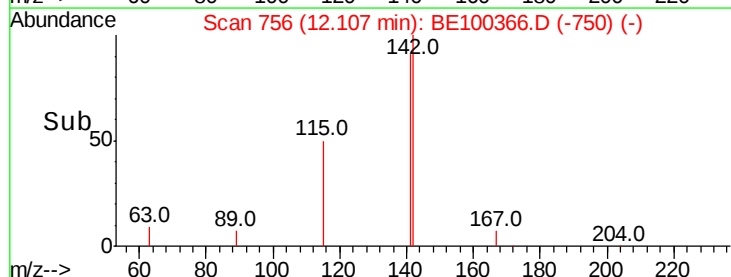
1500

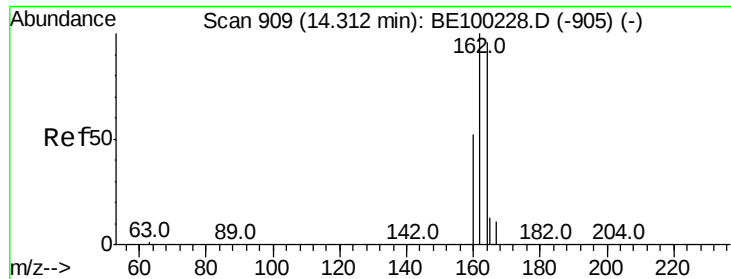
1000

500

0

Time--> 12.00 12.10 12.20

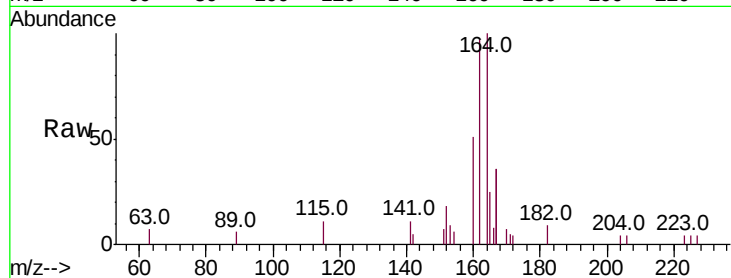




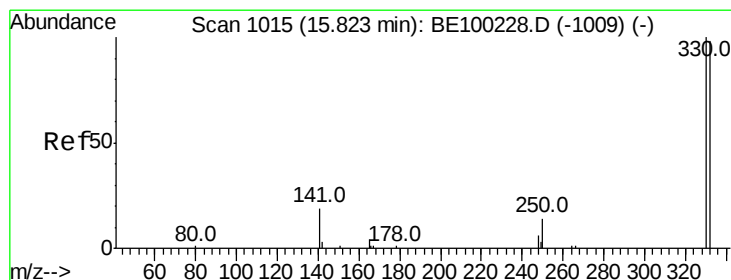
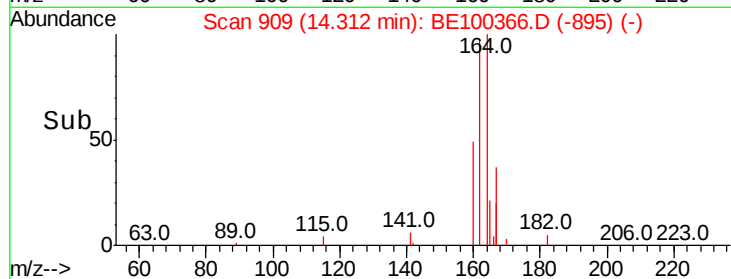
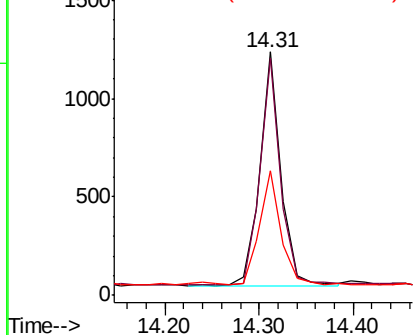
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BE100366.D
 Acq: 4 Jul 2019 14:41

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 1833
 Ion Ratio Lower Upper
 164 100
 162 97.3 83.4 125.0
 160 51.0 45.0 67.6

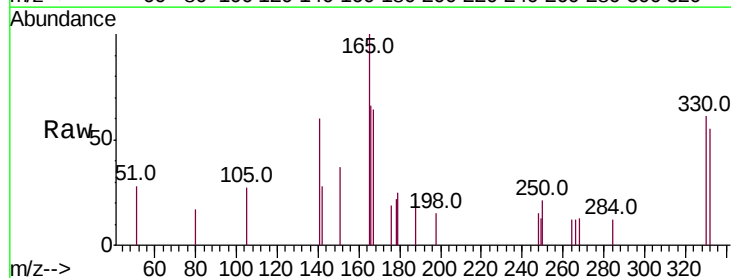


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

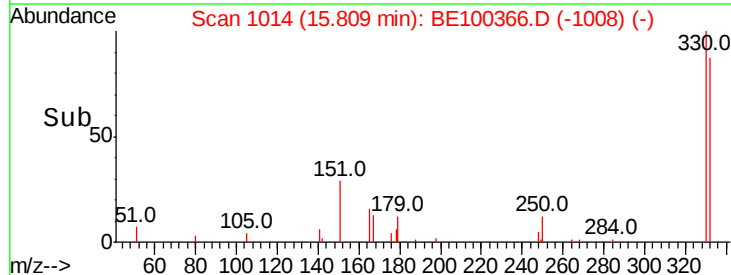
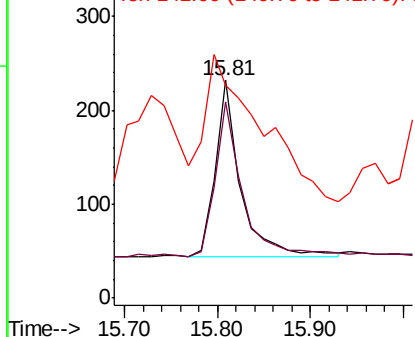


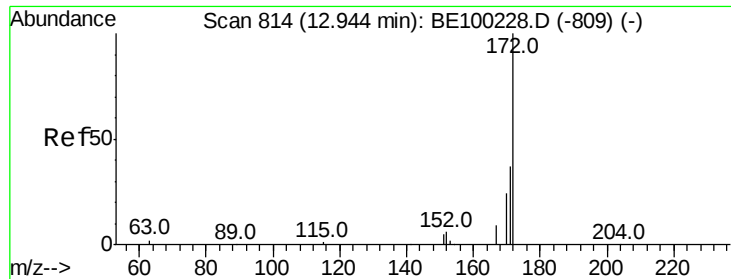
#14
 2,4,6-Tribromophenol
 Concen: 0.278 ng
 RT: 15.81 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE100366.D
 Acq: 4 Jul 2019 14:41

Tgt Ion:330 Resp: 356
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.4
 141 184.0 22.0 33.0#



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

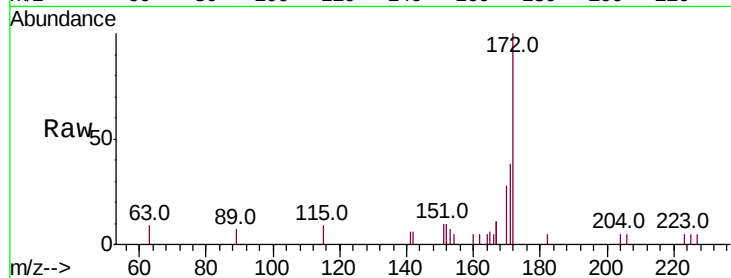




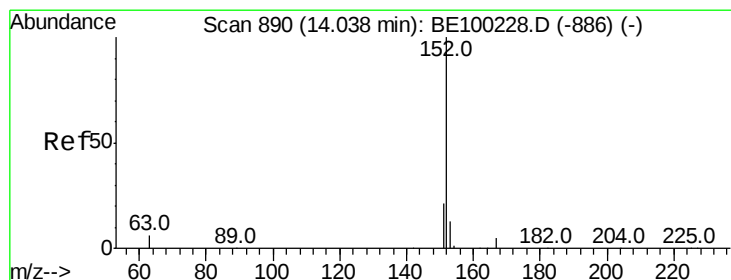
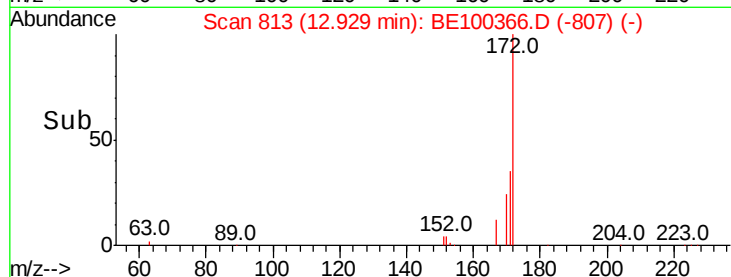
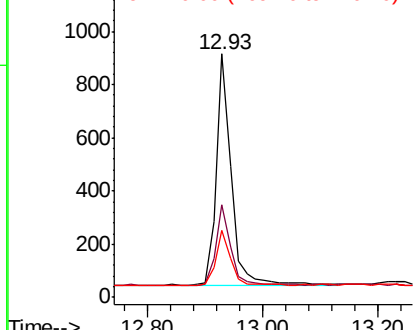
#15
2-Fluorobiphenyl
Concen: 0.219 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 1565
Ion Ratio Lower Upper
172 100
171 38.2 31.9 47.9
170 27.7 22.2 33.2

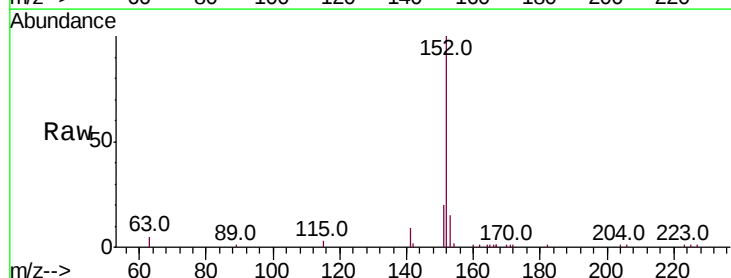


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

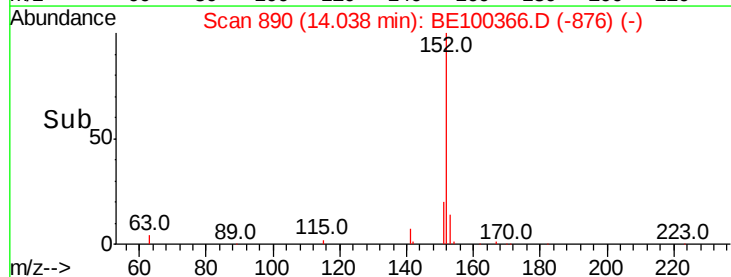
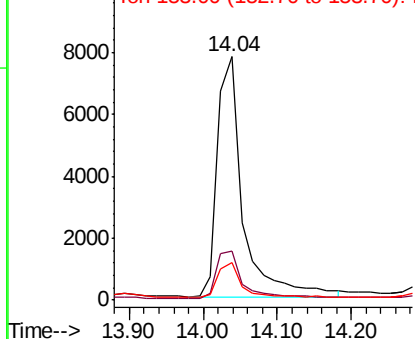


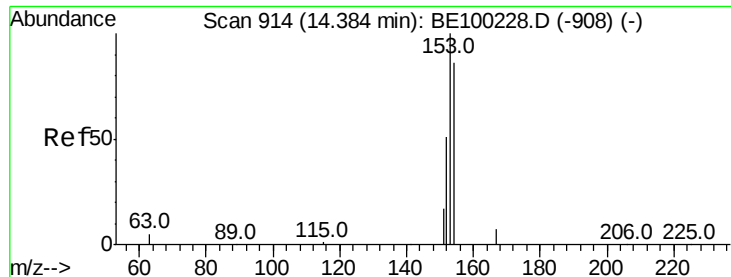
#16
Acenaphthylene
Concen: 2.112 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:152 Resp: 18576
Ion Ratio Lower Upper
152 100
151 20.2 16.6 25.0
153 13.6 10.5 15.7



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

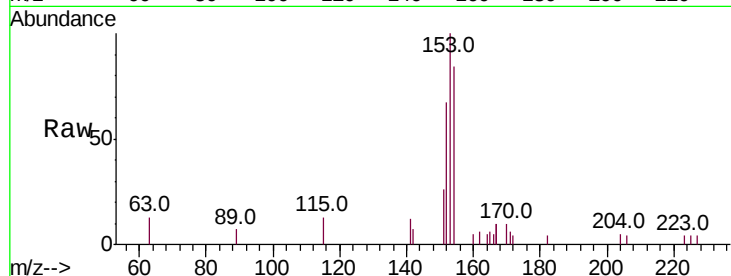




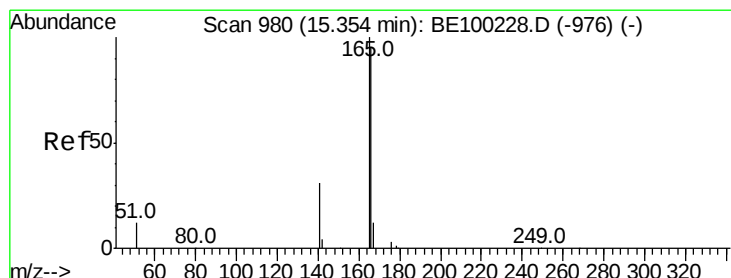
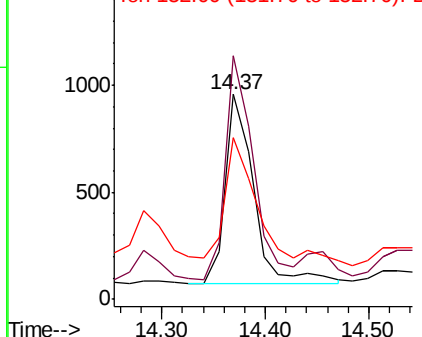
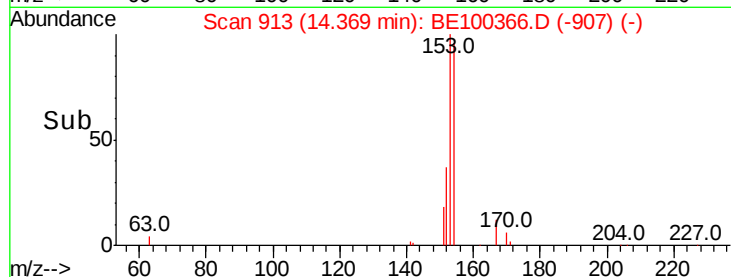
#17
Acenaphthene
Concen: 0.337 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 1682
Ion Ratio Lower Upper
154 100
153 116.5 93.4 140.2
152 70.8 49.4 74.2

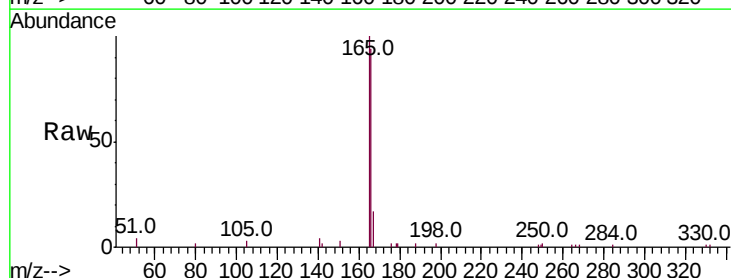


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

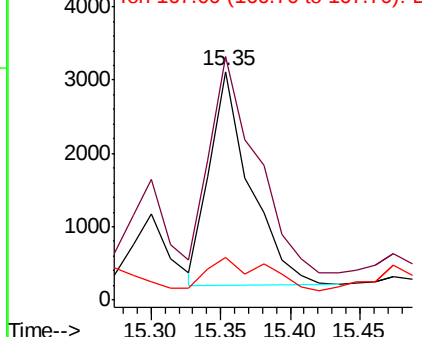
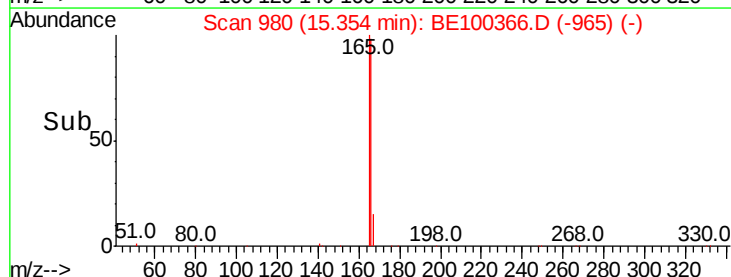


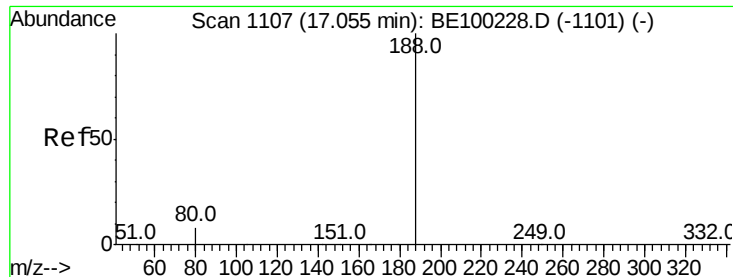
#18
Fluorene
Concen: 0.802 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:166 Resp: 5911
Ion Ratio Lower Upper
166 100
165 114.7 81.1 121.7
167 21.7 10.7 16.1#



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

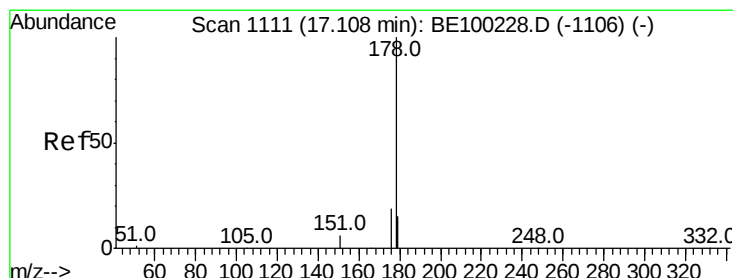
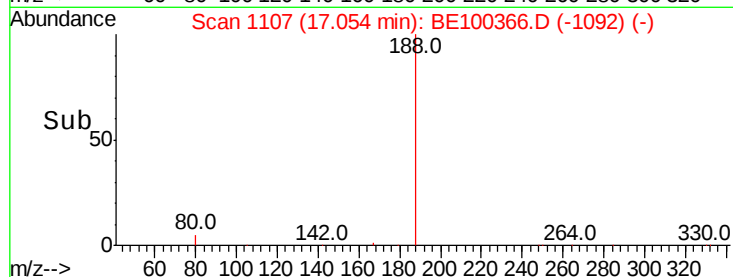
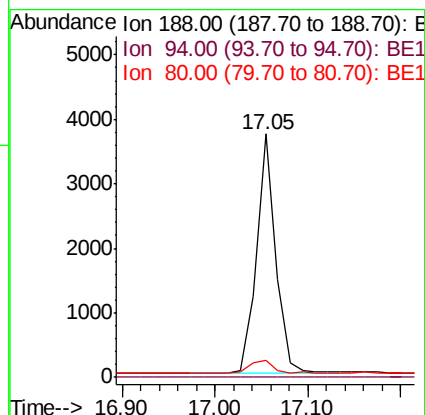
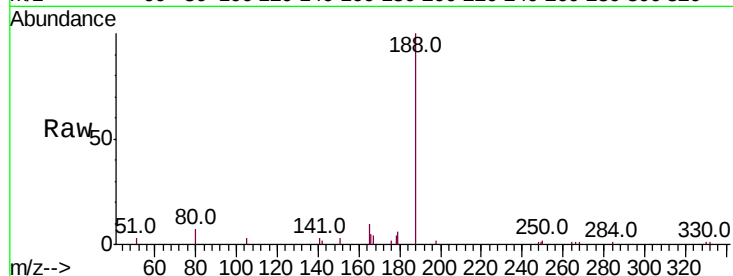




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

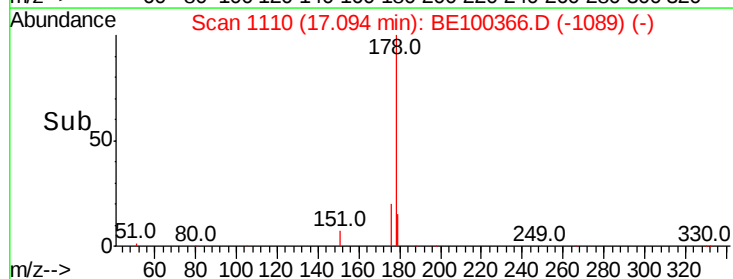
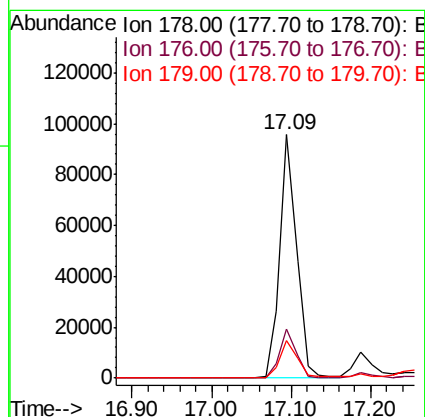
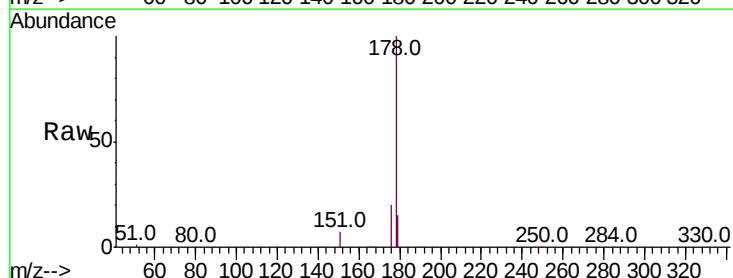
Instrument :
BNA_E
ClientSampled :

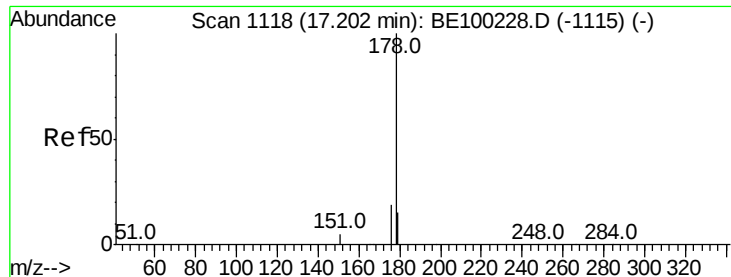
Tot Ion:188 Resp: 5378
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.8 7.6 11.4#



#23
Phenanthrene
Concen: 10.798 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:178 Resp: 140754
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.5 12.2 18.2





#24

Anthracene

Concen: 1.281 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

Instrument :

BNA_E

ClientSampleId :

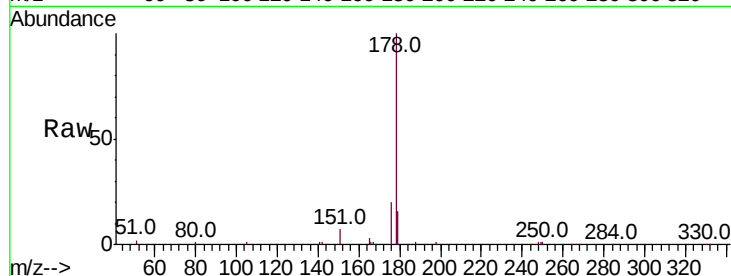
Tot Ion:178 Resp: 15031

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

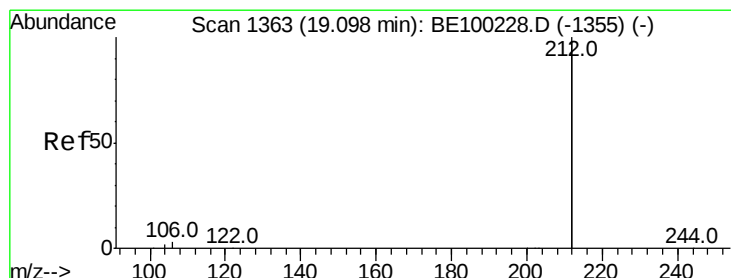
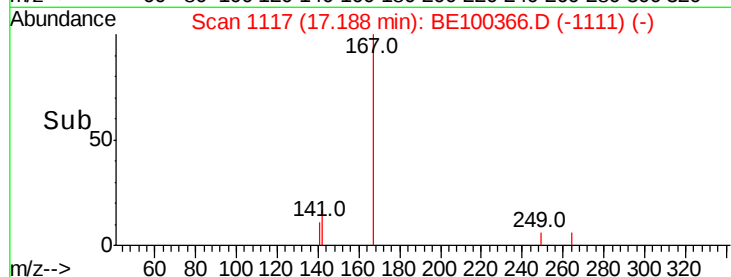
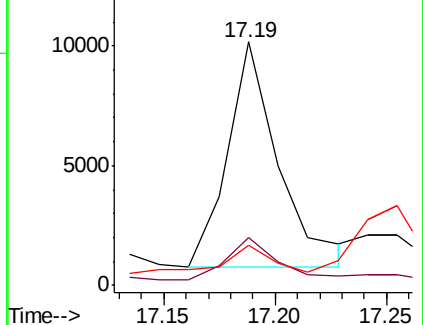
179 10.2 12.2 18.2#



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: 0.212 ng

RT: 19.09 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

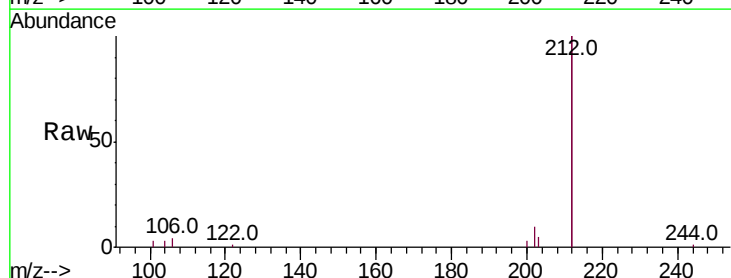
Tgt Ion:212 Resp: 16525

Ion Ratio Lower Upper

212 100

106 1.7 1.3 1.9

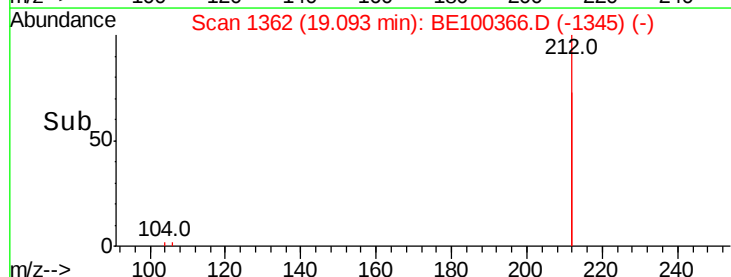
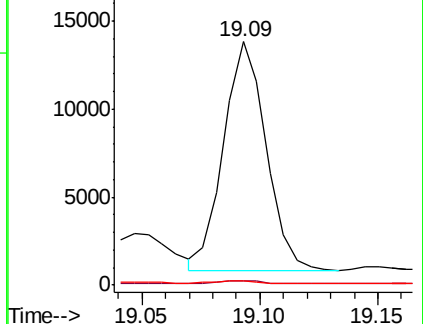
104 1.1 0.8 1.2

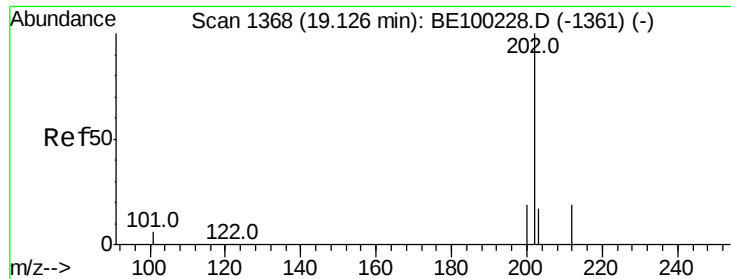


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 10.344 ng

RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

Instrument :

BNA_E

ClientSampleId :

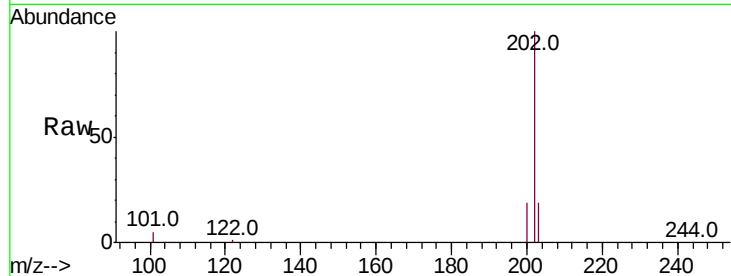
Tot Ion:202 Resp: 214754

Ion Ratio Lower Upper

202 100

101 5.1 4.6 7.0

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

19.13

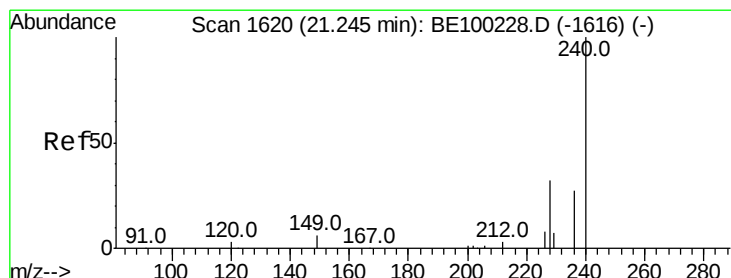
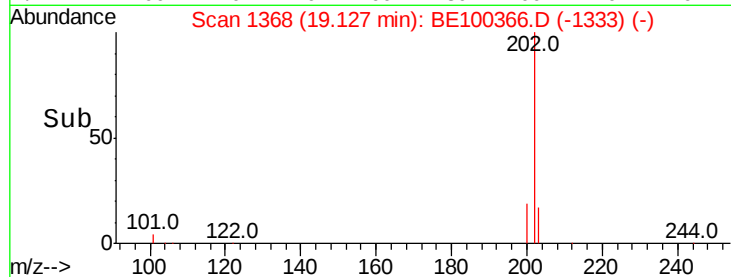
150000

100000

50000

0

Time--> 19.05 19.10 19.15



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

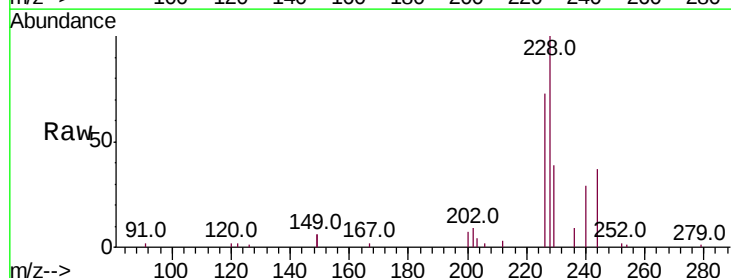
Tgt Ion:240 Resp: 7572

Ion Ratio Lower Upper

240 100

120 5.2 3.3 4.9#

236 31.1 22.6 34.0



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

21.25

8000

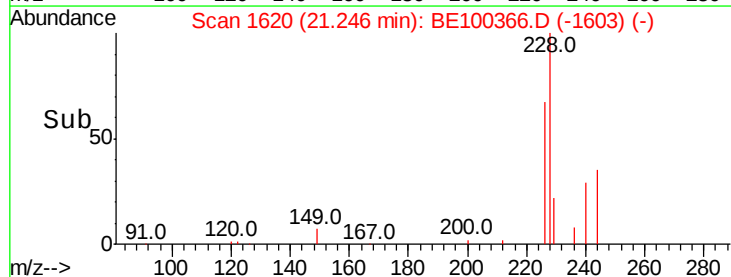
6000

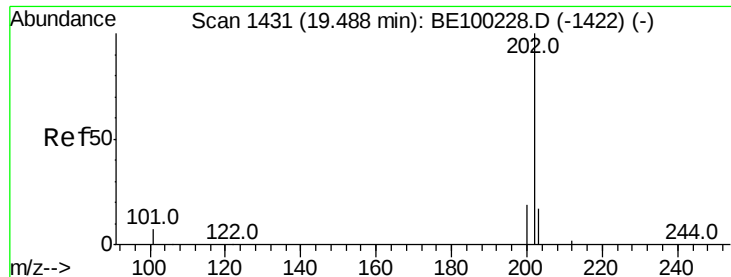
4000

2000

0

Time--> 21.20 21.25 21.30

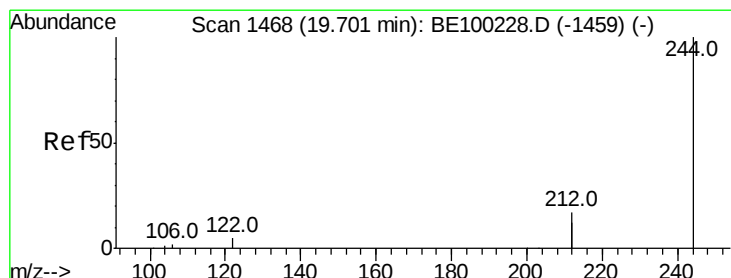
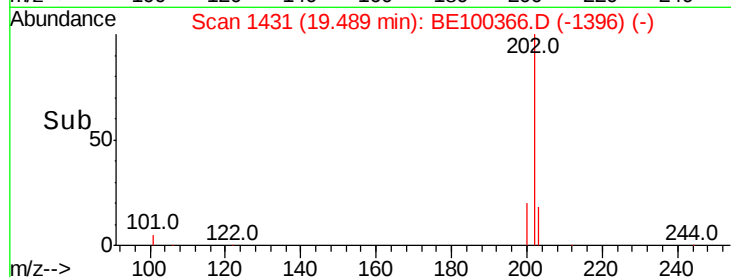
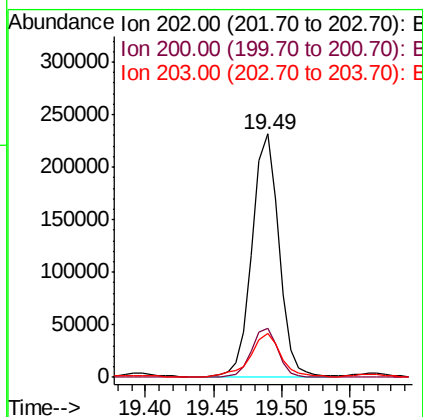
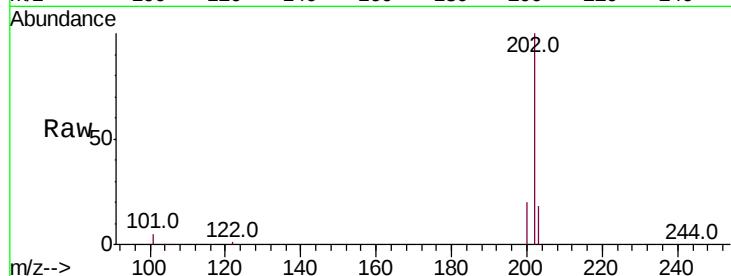




#28
Pvrene
Concen: 15.527 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

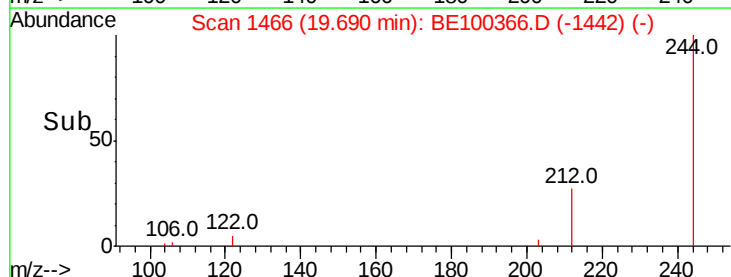
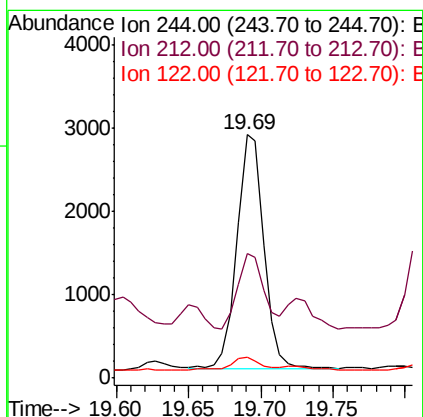
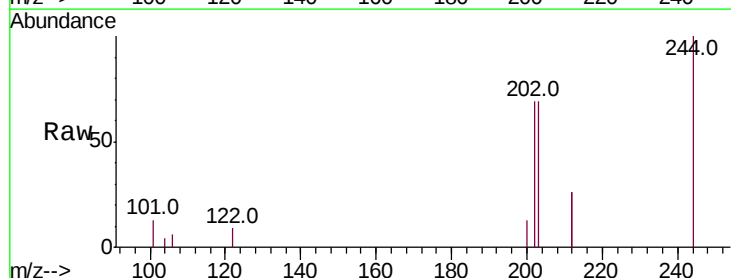
Instrument :
BNA_E
ClientSampleId :

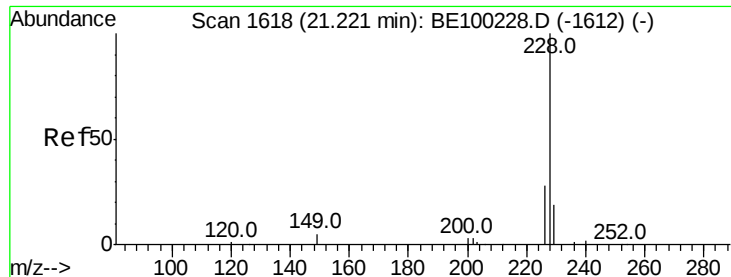
Tot Ion:202 Resp: 311266
Ion Ratio Lower Upper
202 100
200 19.9 15.6 23.4
203 20.5 14.0 21.0



#29
Terphenyl-d14
Concen: 0.233 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:244 Resp: 3661
Ion Ratio Lower Upper
244 100
212 51.4 27.3 40.9#
122 8.8 4.7 7.1#

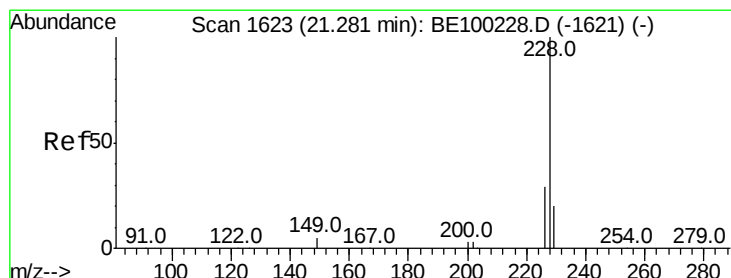
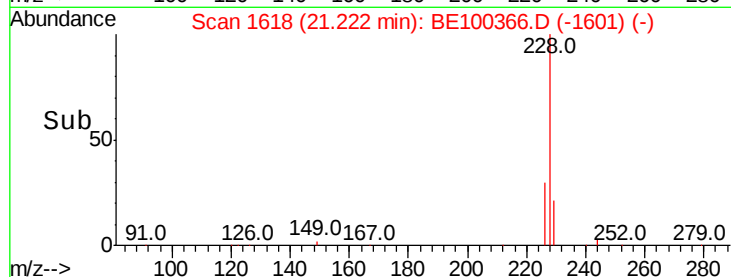
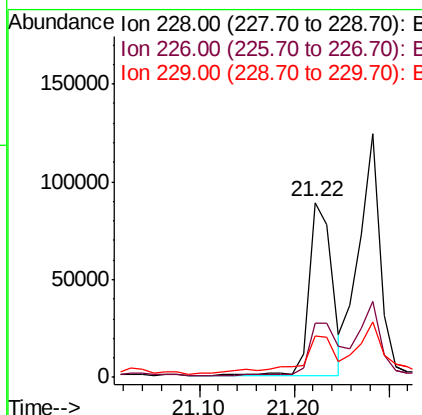
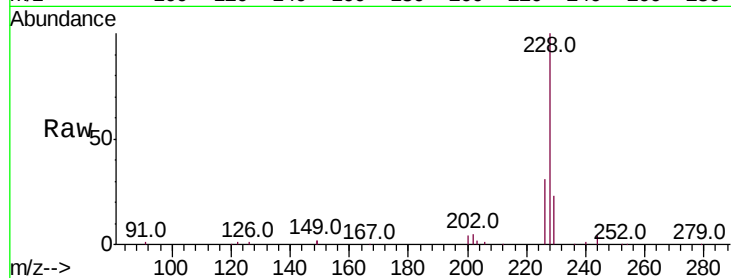




#30
Benzo(a)anthracene
Concen: 5.972 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

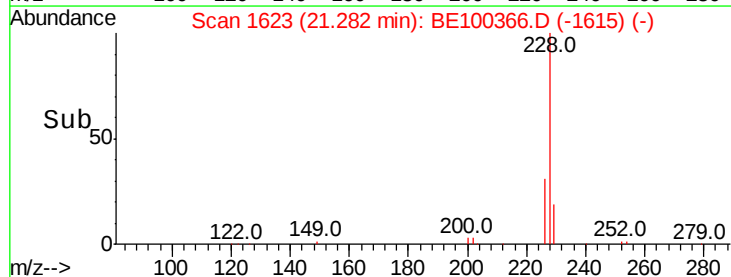
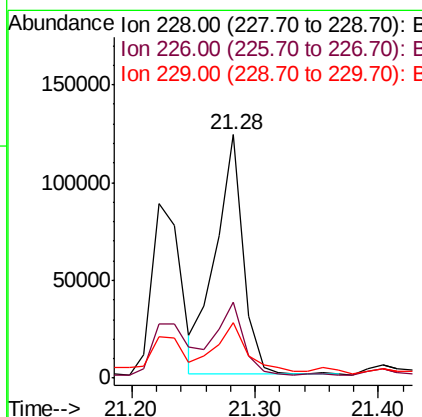
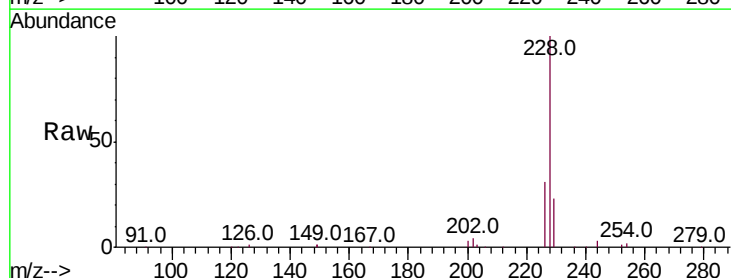
Instrument :
BNA_E
ClientSampleId :

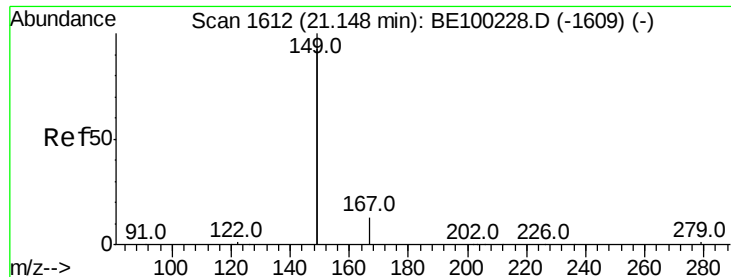
Tot Ion:228 Resp: 148677
Ion Ratio Lower Upper
228 100
226 30.9 23.2 34.8
229 23.5 15.7 23.5



#31
Chrysene
Concen: 7.649 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:228 Resp: 191216
Ion Ratio Lower Upper
228 100
226 31.3 23.9 35.9
229 22.7 16.5 24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.391 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

Instrument :

BNA_E

ClientSampleId :

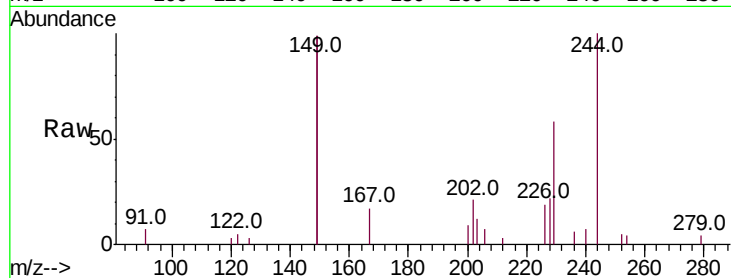
Tot Ion:149 Resp: 15769

Ion Ratio Lower Upper

149 100

167 7.3 5.8 8.8

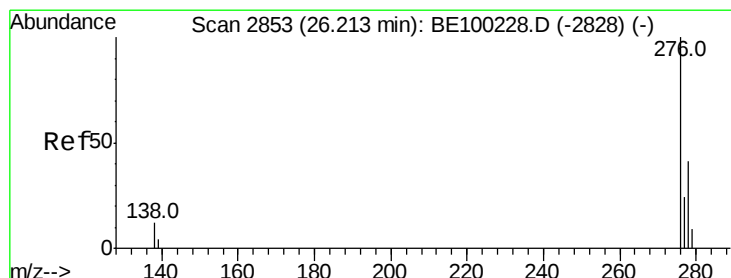
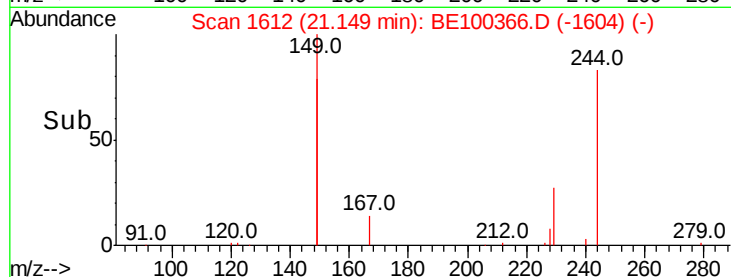
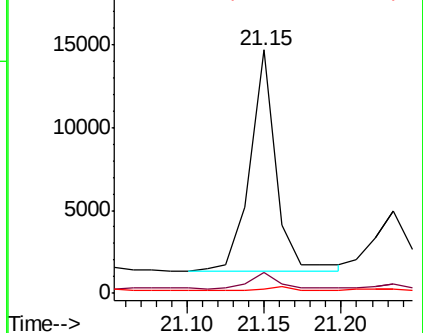
279 1.5 1.1 1.7



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: 2.586 ng

RT: 26.23 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BE100366.D

Acq: 4 Jul 2019 14:41

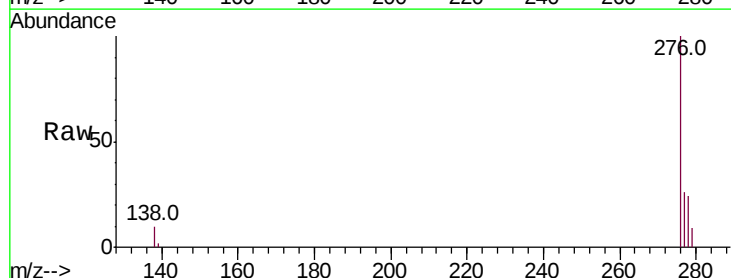
Tgt Ion:276 Resp: 85524

Ion Ratio Lower Upper

276 100

138 8.7 9.4 14.0#

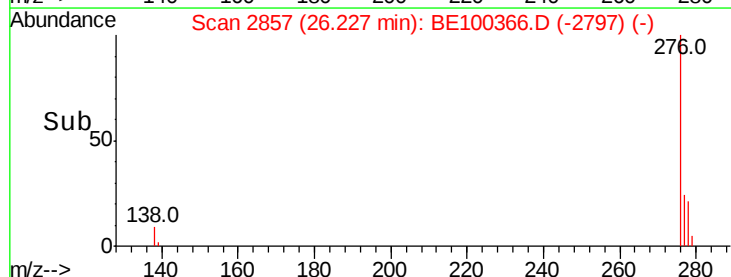
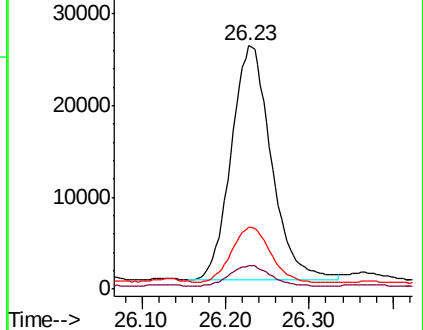
277 23.2 19.2 28.8

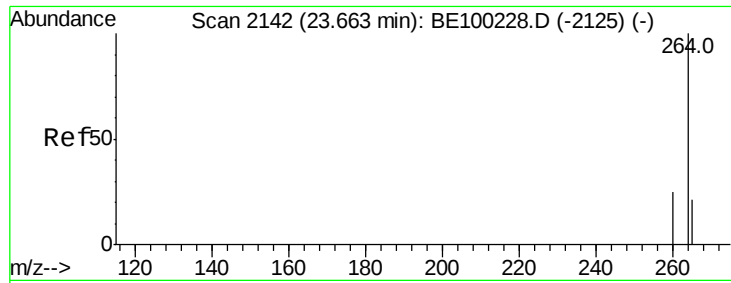


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

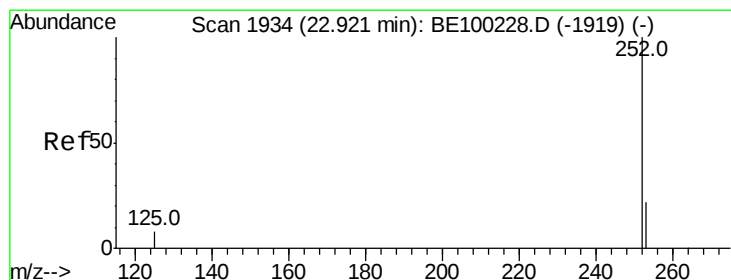
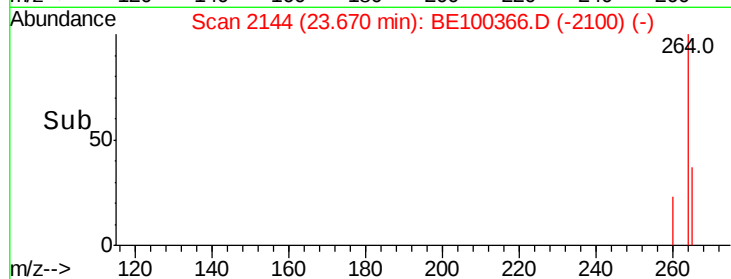
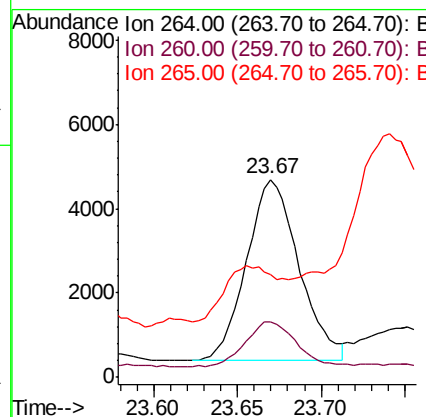
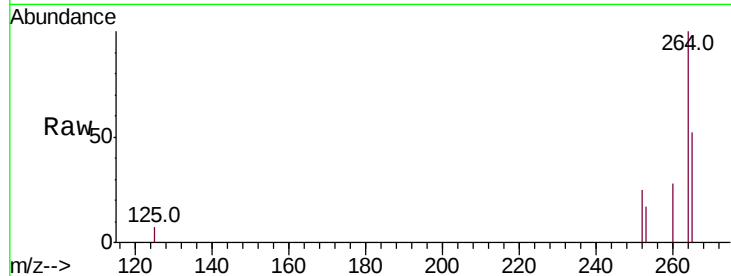




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

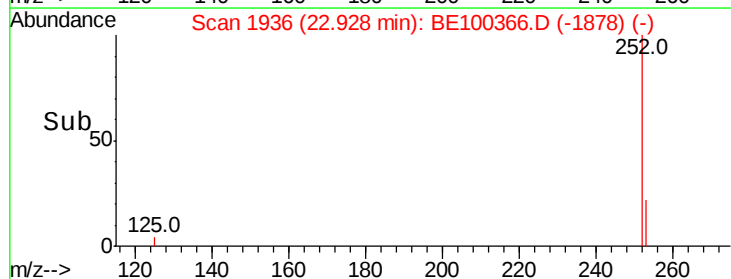
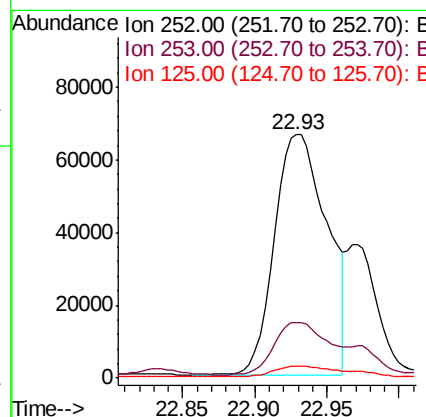
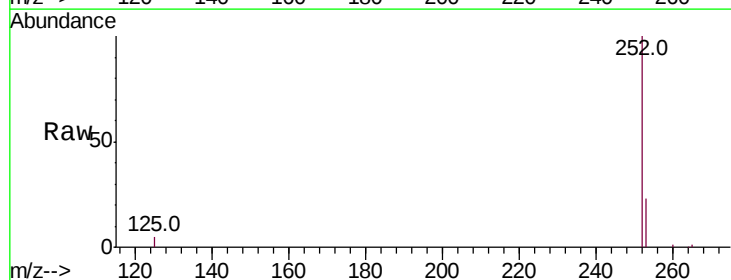
Instrument :
BNA_E
ClientSampleId :

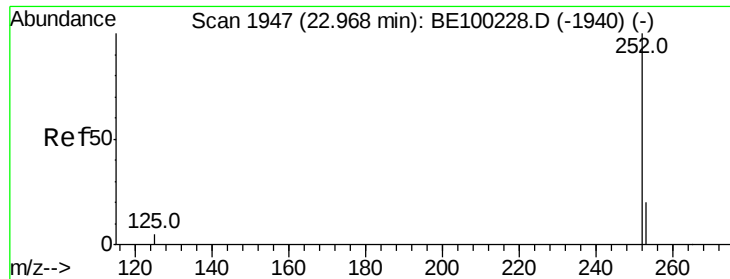
Tot Ion:264 Resp: 9374
Ion Ratio Lower Upper
264 100
260 27.9 20.8 31.2
265 52.2 21.8 32.6#



#35
Benzo(b)fluoranthene
Concen: 6.608 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:252 Resp: 167953
Ion Ratio Lower Upper
252 100
253 23.0 19.2 28.8
125 4.9 7.4 11.0#

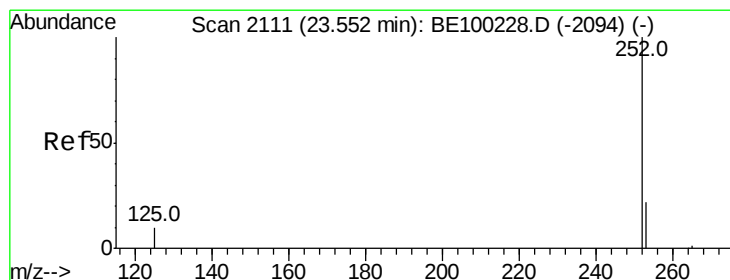
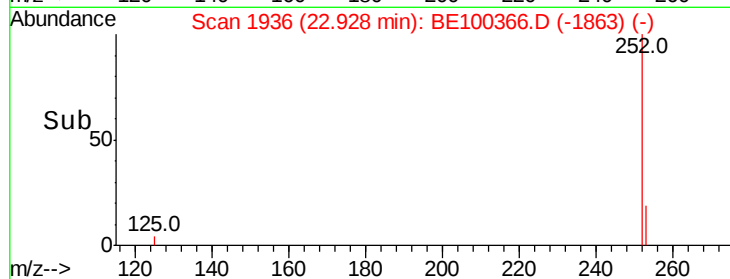
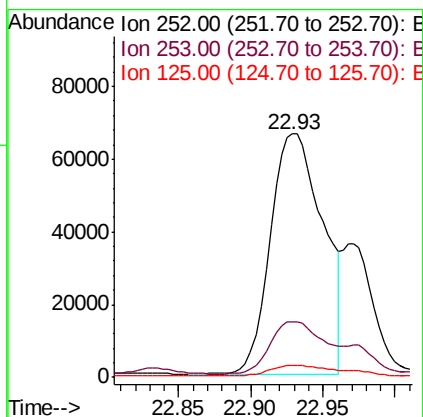
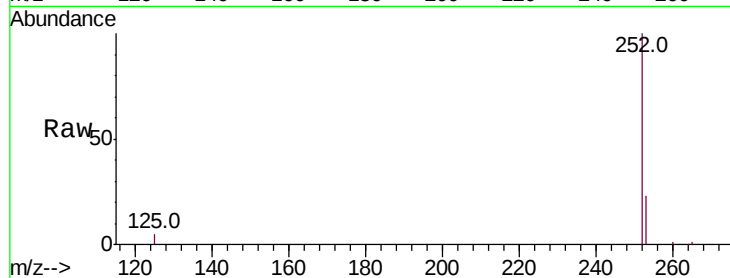




#36
Benzo(k)fluoranthene
Concen: 5.920 ng
RT: 22.93 min Scan# 1936
Delta R.T. -0.04 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

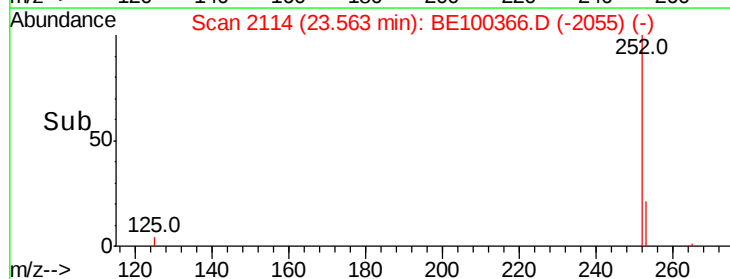
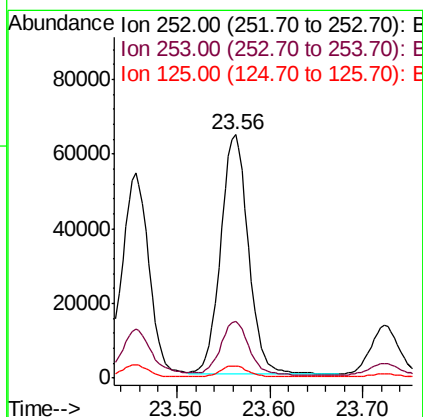
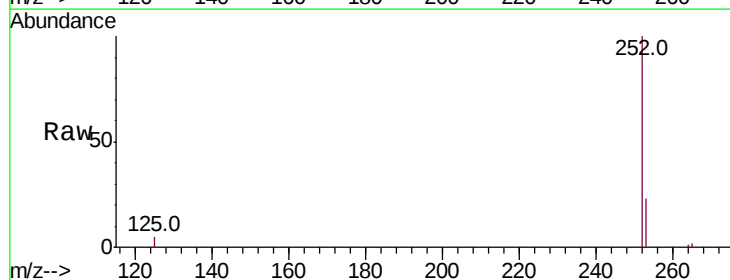
Instrument :
BNA_E
ClientSampleId :

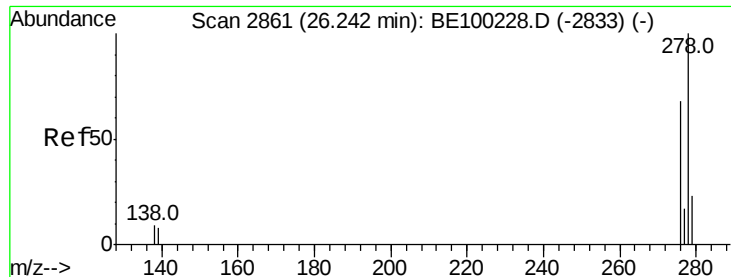
Tot Ion:252 Resp: 167953
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 4.9 5.0 7.4#



#37
Benzo(a)pyrene
Concen: 5.212 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:252 Resp: 132768
Ion Ratio Lower Upper
252 100
253 23.1 19.6 29.4
125 5.0 9.0 13.6#

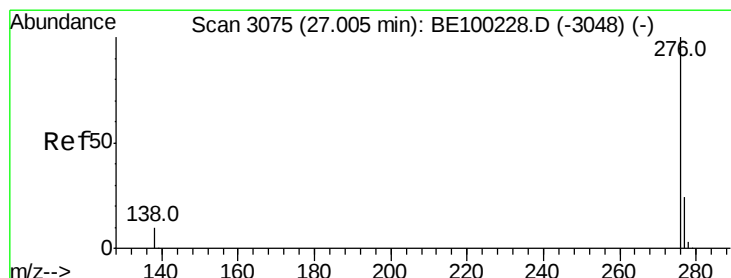
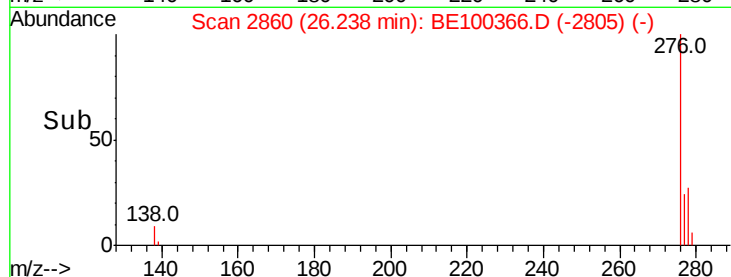
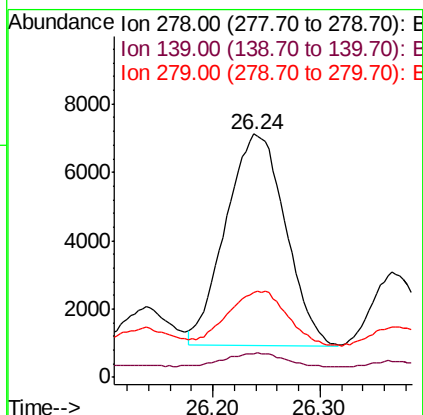
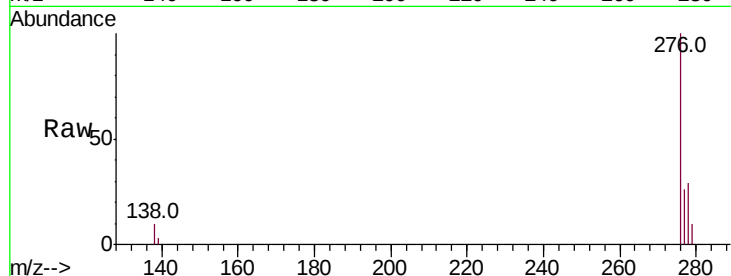




#38
Dibenzo(a,h)anthracene
Concen: 0.897 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 23872
Ion Ratio Lower Upper
278 100
139 9.8 8.2 12.2
279 34.8 20.3 30.5#



#39
Benzo(g,h,i)perylene
Concen: 3.603 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100366.D
Acq: 4 Jul 2019 14:41

Tgt Ion:276 Resp: 98466
Ion Ratio Lower Upper
276 100
277 25.2 20.2 30.2
138 9.7 9.0 13.6

