

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\
 Data File : BE100668.D
 Acq On : 23 Oct 2019 19:07
 Operator : JU
 Sample : PB124193BSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 01:34:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	3584	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14420	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	8088	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	18537	0.40	ng	0.00
27) Chrysene-d12	21.35	240	24850	0.40	ng	0.00
34) Perylene-d12	23.83	264	34766	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	2474	0.22	ng	0.00
5) Phenol-d6	7.01	99	2529	0.16	ng	0.00
8) Nitrobenzene-d5	8.99	82	3718	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	11691	0.51	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1001	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	10259	0.35	ng	0.00
25) Fluoranthene-d10	19.22	212	84695	0.35	ng	0.00
29) Terphenyl-d14	19.82	244	20779	0.38	ng	0.00

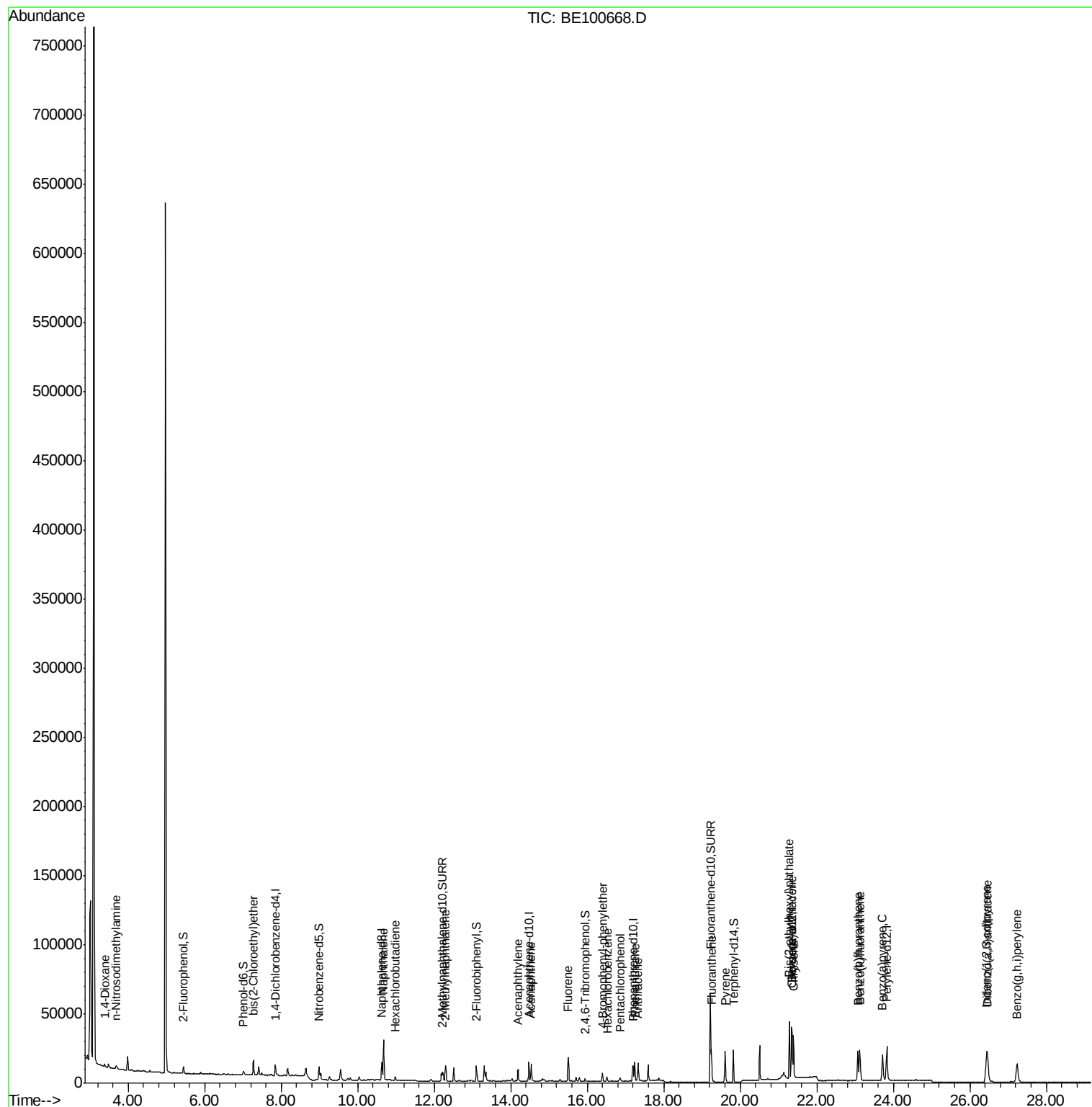
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	1462	0.229	ng	# 44
3) n-Nitrosodimethylamine	3.69	42	1503	0.222	ng	# 60
6) bis(2-Chloroethyl)ether	7.27	93	4108	0.321	ng	99
9) Naphthalene	10.68	128	47899	0.316	ng	100
10) Hexachlorobutadiene	10.98	225	1627	0.247	ng	98
12) 2-Methylnaphthalene	12.29	142	7866	0.304	ng	98
16) Acenaphthylene	14.20	152	11537	0.331	ng	99
17) Acenaphthene	14.53	154	7099	0.316	ng	97
18) Fluorene	15.50	166	9779	0.327	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	3054	0.324	ng	96
21) Hexachlorobenzene	16.52	284	2636	0.293	ng	99
22) Pentachlorophenol	16.85	266	1700	0.587	ng	98
23) Phenanthrene	17.24	178	17056	0.335	ng	99
24) Anthracene	17.32	178	14920	0.315	ng	99
26) Fluoranthene	19.25	202	21651	0.325	ng	100
28) Pyrene	19.61	202	22548	0.325	ng	100
30) Benzo(a)anthracene	21.34	228	26591	0.328	ng	99
31) Chrysene	21.39	228	26676	0.329	ng	100
32) Bis(2-ethylhexyl)phthalate	21.28	149	56328	0.332	ng	100
33) Indeno(1,2,3-cd)pyrene	26.43	276	39151	0.393	ng	99
35) Benzo(b)fluoranthene	23.07	252	32370	0.319	ng	100
36) Benzo(k)fluoranthene	23.12	252	33150	0.318	ng	97
37) Benzo(a)pyrene	23.72	252	31751	0.336	ng	99
38) Dibenzo(a,h)anthracene	26.46	278	33034	0.339	ng	99
39) Benzo(g,h,i)perylene	27.23	276	34273	0.349	ng	98

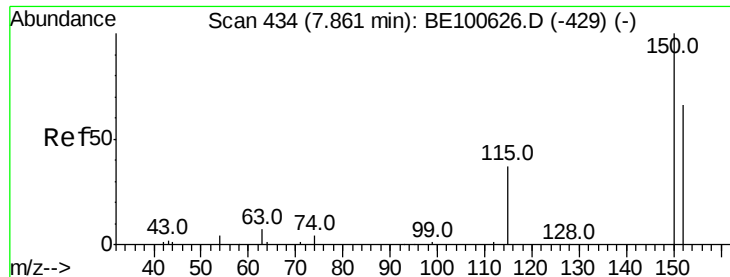
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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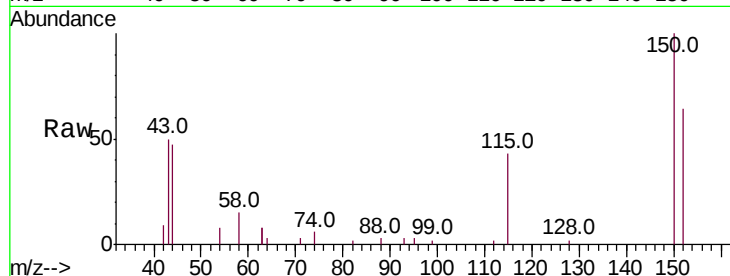


#1

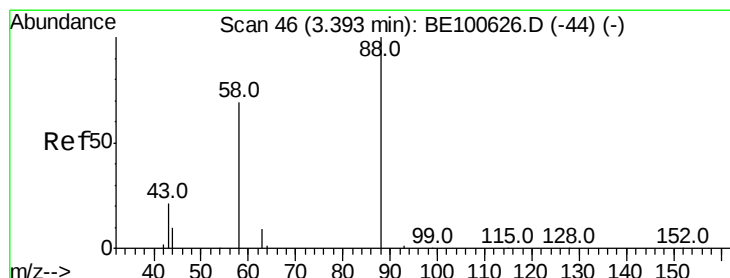
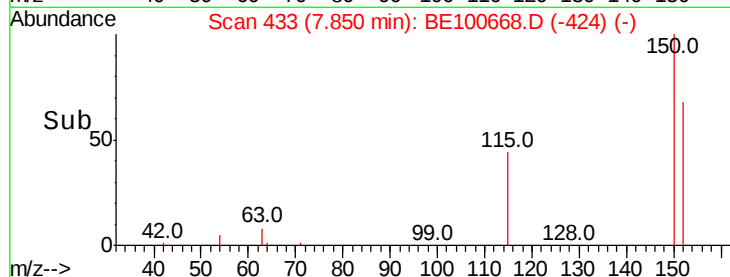
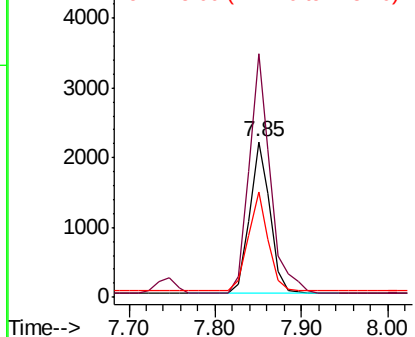
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3584
Ion Ratio Lower Upper
152 100
150 156.2 123.3 184.9
115 67.6 51.9 77.9



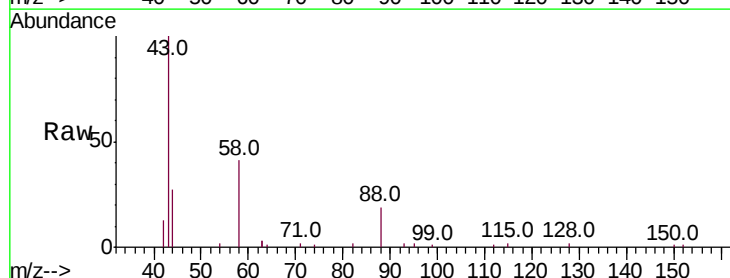
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



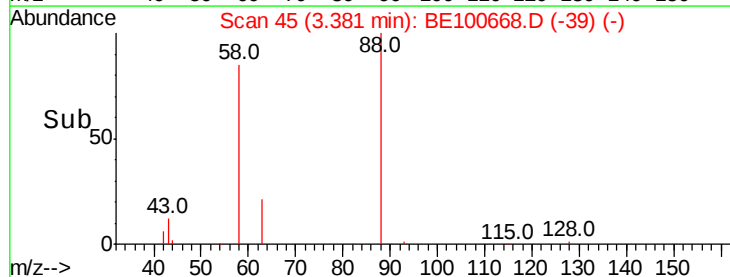
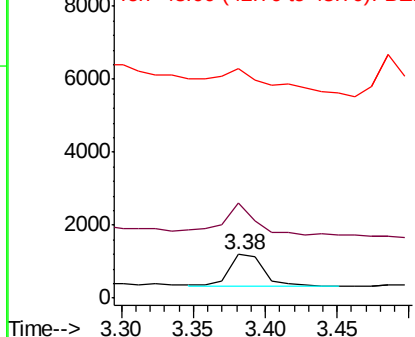
#2

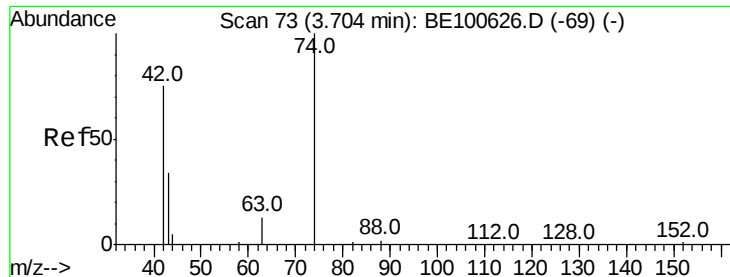
1,4-Dioxane
Concen: 0.229 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

Tgt Ion: 88 Resp: 1462
Ion Ratio Lower Upper
88 100
58 94.8 59.8 89.6#
43 105.2 24.6 36.8#



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: 0.222 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

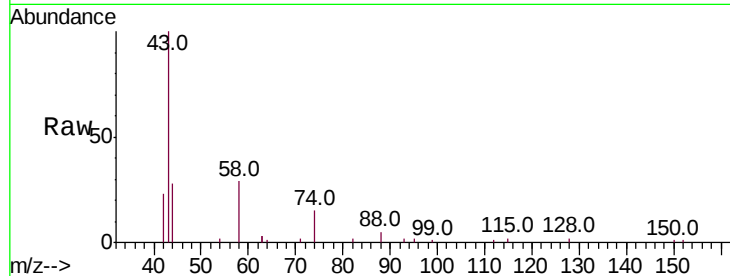
Tot Ion: 42 Resp: 1503

Ion Ratio Lower Upper

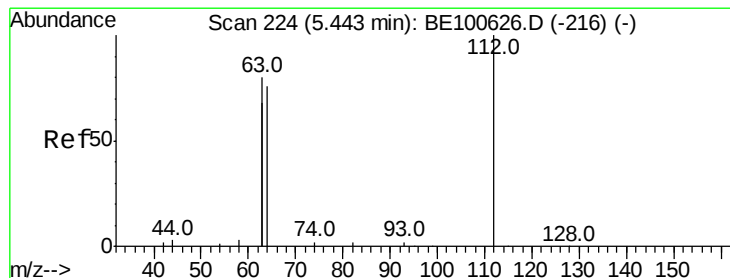
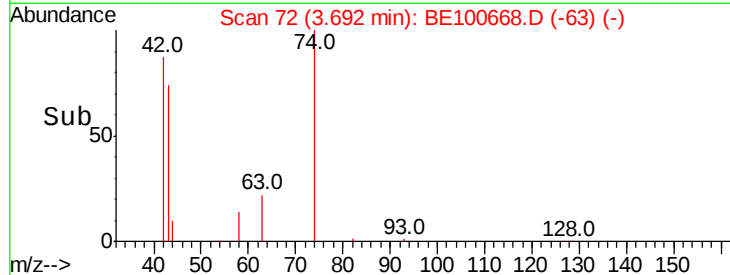
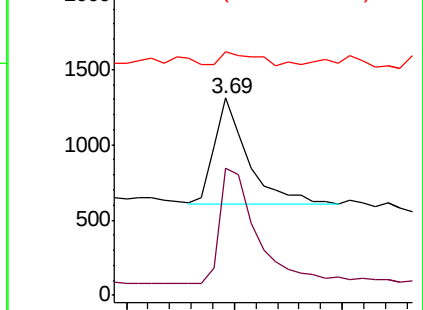
42 100

74 72.9 97.2 145.8#

44 12.4 16.6 24.8#



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: 0.224 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

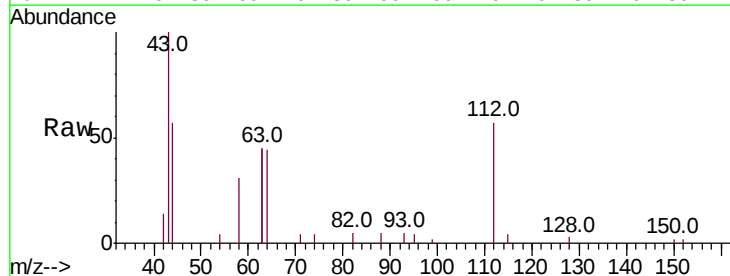
Tgt Ion: 112 Resp: 2474

Ion Ratio Lower Upper

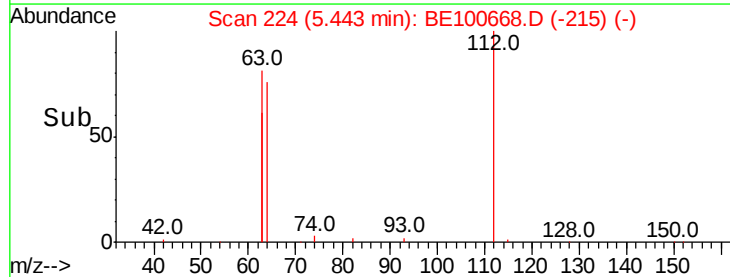
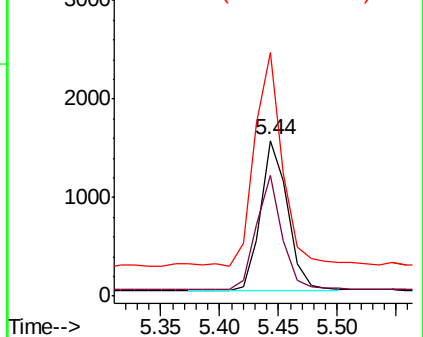
112 100

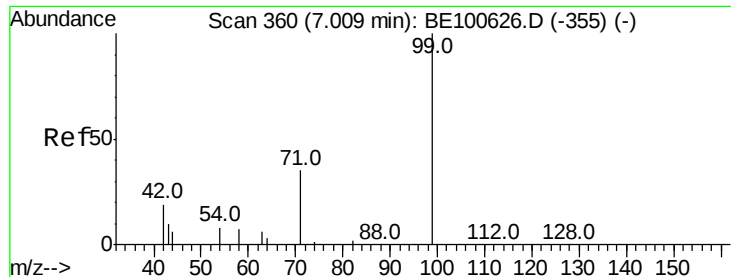
64 71.1 55.4 83.2

63 139.9 114.2 171.4



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: 0.162 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

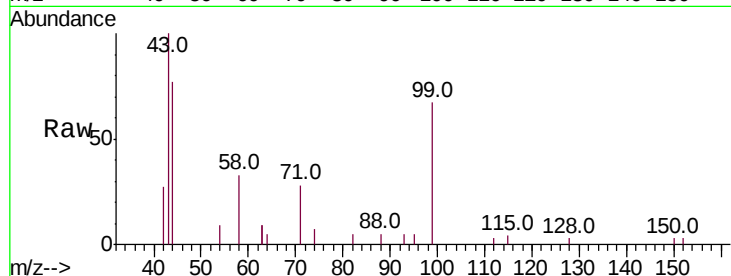
Tot Ion: 99 Resp: 2529

Ion Ratio Lower Upper

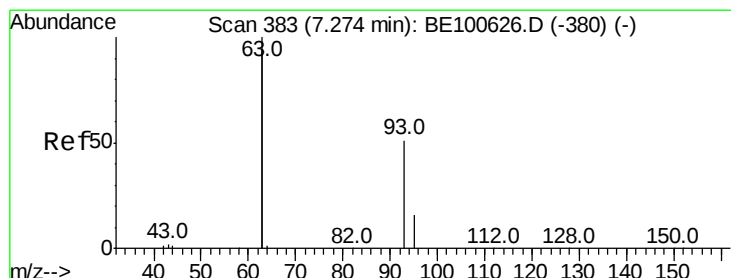
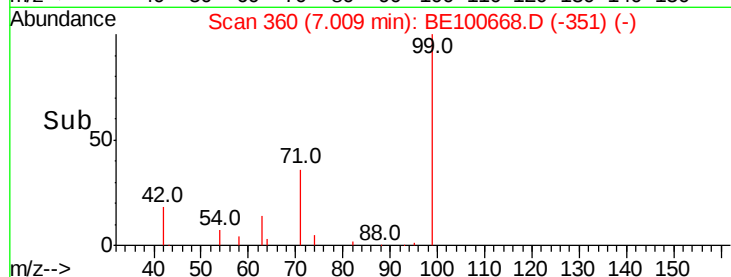
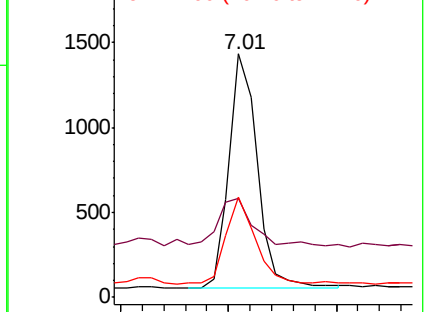
99 100

42 21.4 17.7 26.5

71 37.8 27.4 41.0



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



#6

bis(2-Chloroethyl)ether

Concen: 0.321 ng

RT: 7.27 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

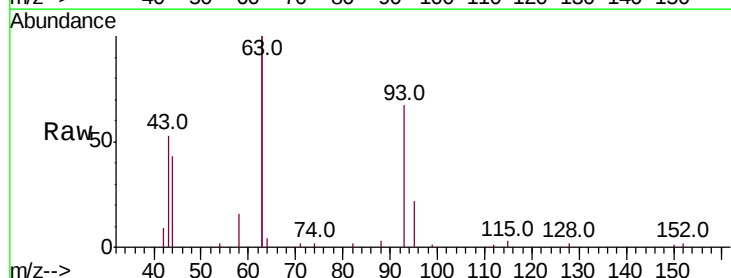
Tgt Ion: 93 Resp: 4108

Ion Ratio Lower Upper

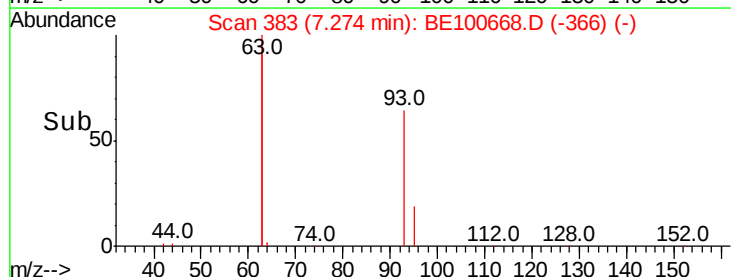
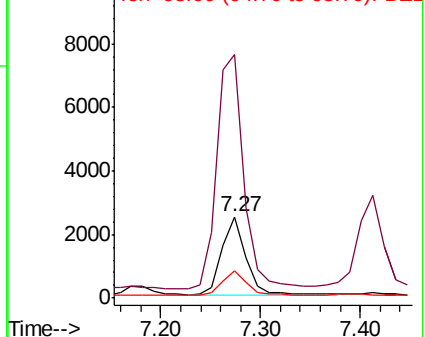
93 100

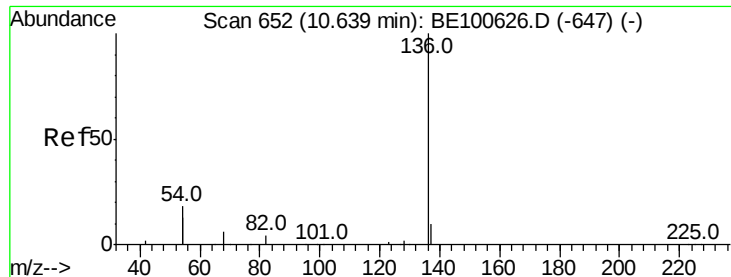
63 333.4 268.8 403.2

95 30.6 25.6 38.4



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14420

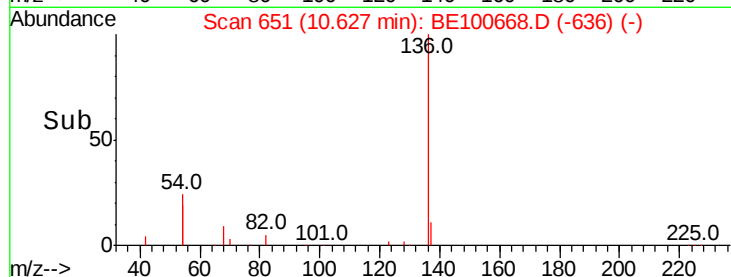
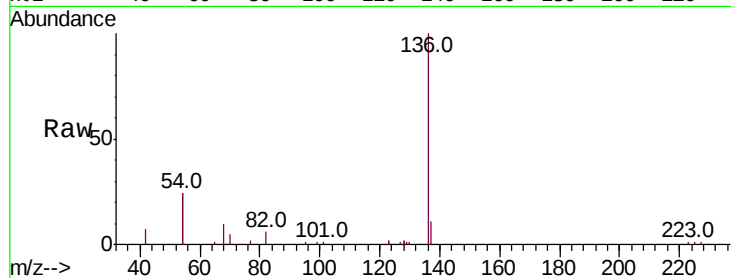
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 48.0 39.4 59.2

68 9.9 8.0 12.0

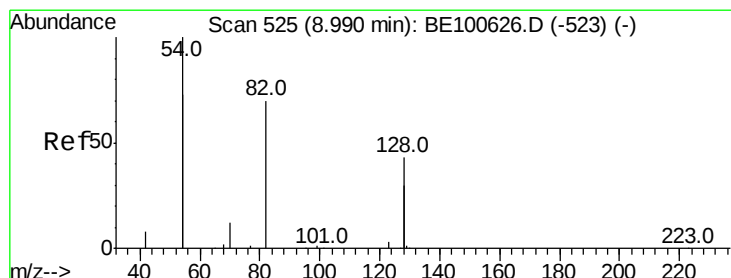
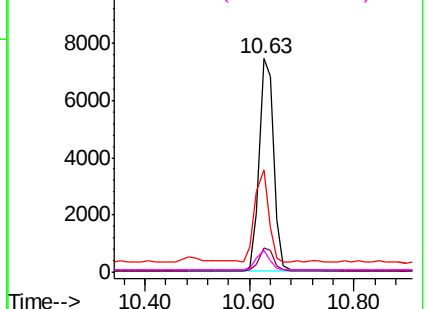


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.416 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

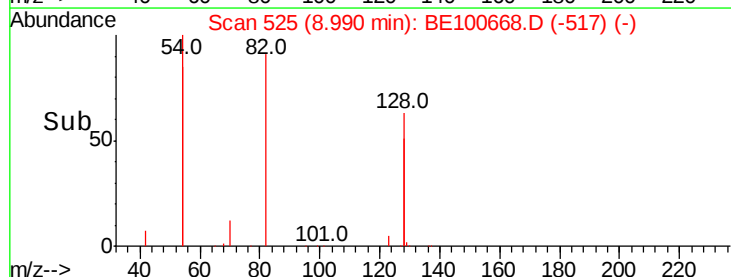
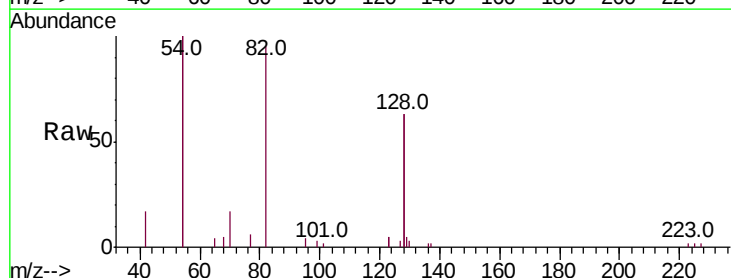
Tgt Ion: 82 Resp: 3718

Ion Ratio Lower Upper

82 100

128 132.0 107.8 161.8

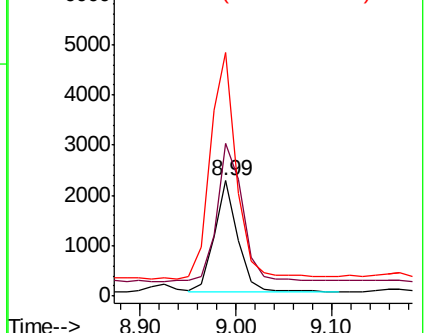
54 210.7 166.1 249.1

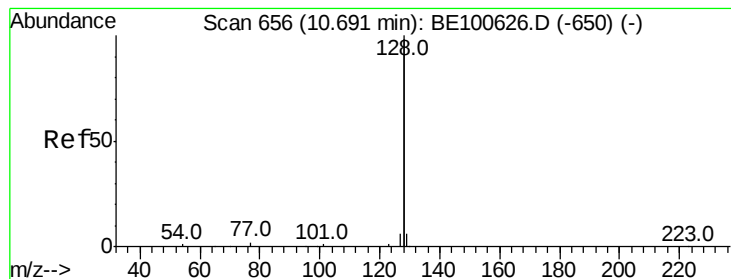


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.316 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

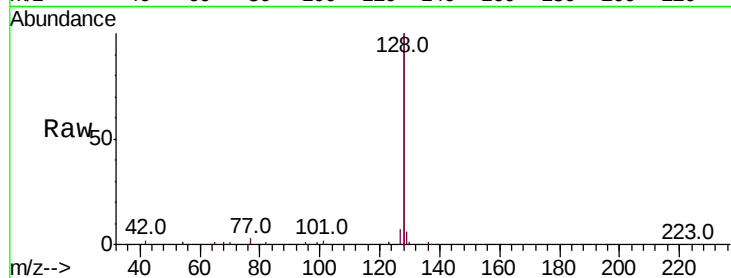
Tot Ion:128 Resp: 47899

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

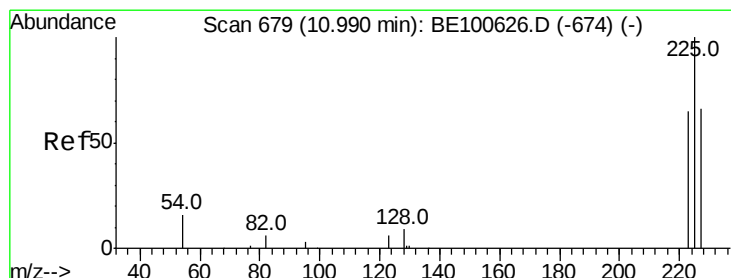
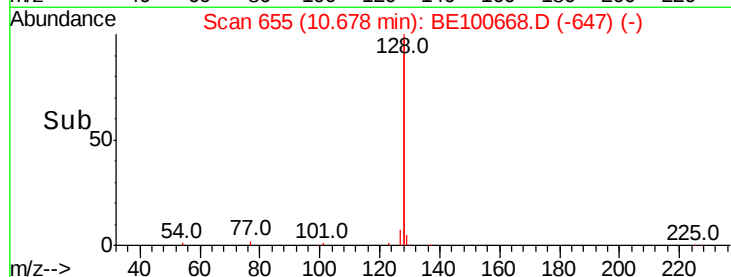
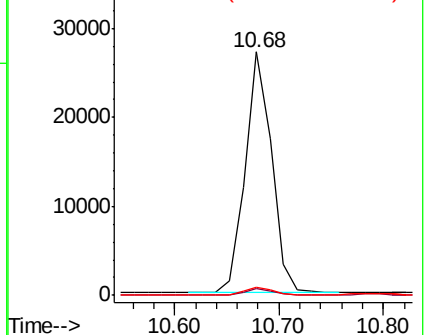
127 3.5 2.7 4.1



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



#10

Hexachlorobutadiene

Concen: 0.247 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

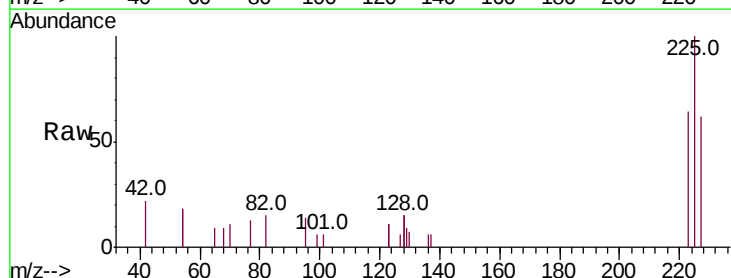
Tgt Ion:225 Resp: 1627

Ion Ratio Lower Upper

225 100

223 61.2 48.6 72.8

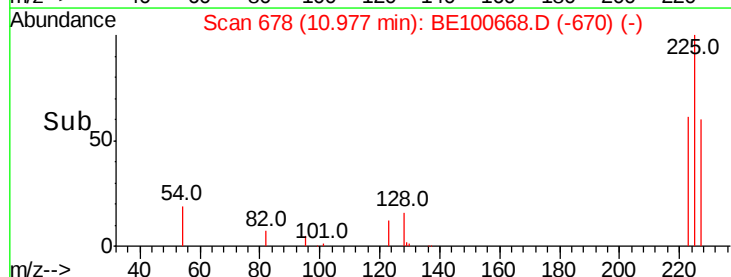
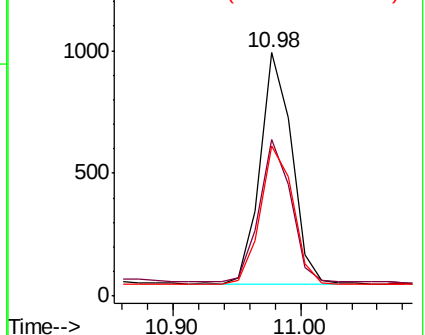
227 61.3 51.6 77.4

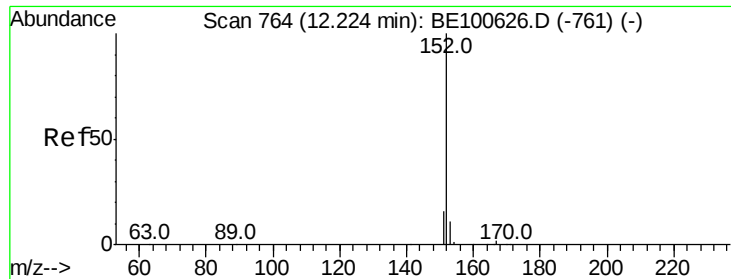


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

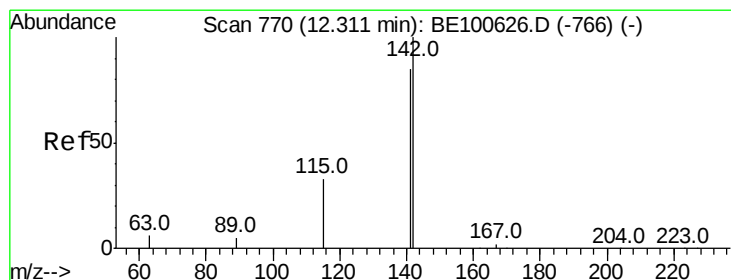
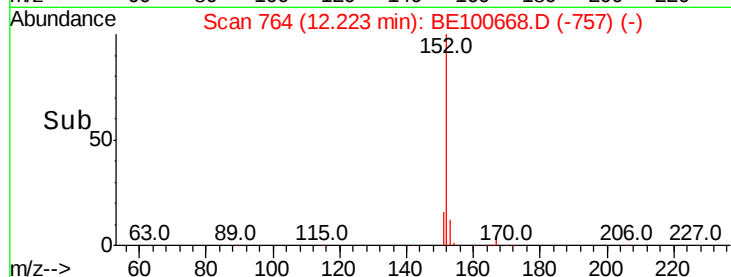
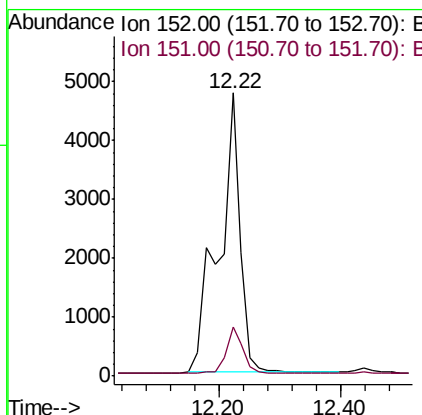
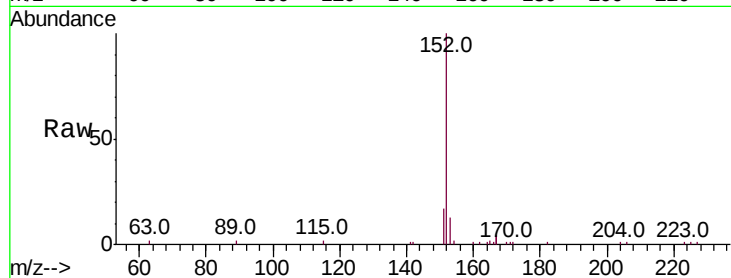




#11
 2-Methylnaphthalene-d10
 Concen: 0.514 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100668.D
 Acq: 23 Oct 2019 19:07

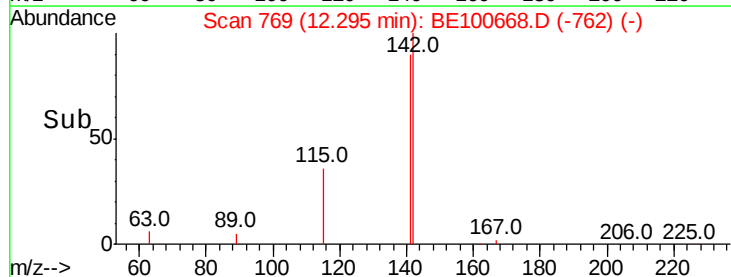
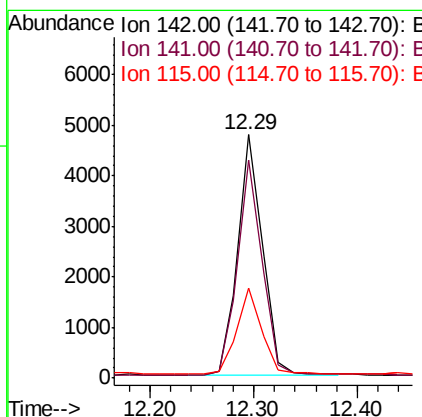
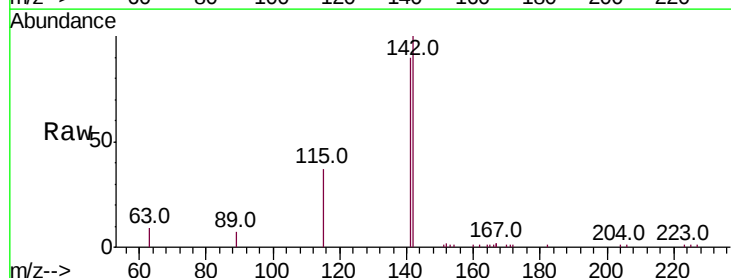
Instrument :
 BNA_E
 ClientSampleId :

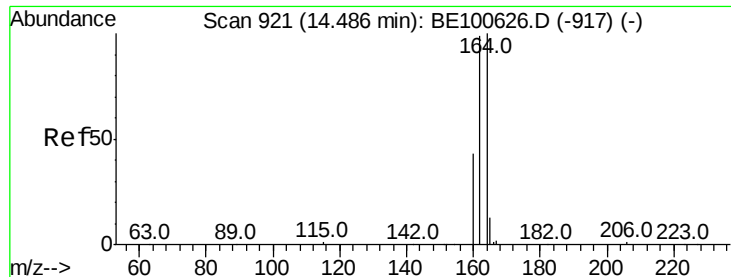
Tot Ion:152 Resp: 11691
 Ion Ratio Lower Upper
 152 100
 151 13.0 14.7 22.1#



#12
 2-Methylnaphthalene
 Concen: 0.304 ng
 RT: 12.29 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE100668.D
 Acq: 23 Oct 2019 19:07

Tgt Ion:142 Resp: 7866
 Ion Ratio Lower Upper
 142 100
 141 89.6 70.1 105.1
 115 37.0 28.3 42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

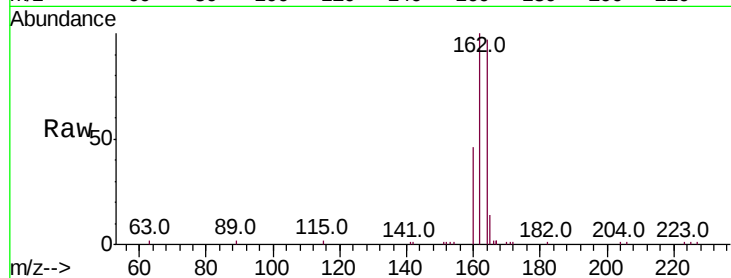
Tot Ion:164 Resp: 8088

Ion Ratio Lower Upper

164 100

162 103.4 82.0 123.0

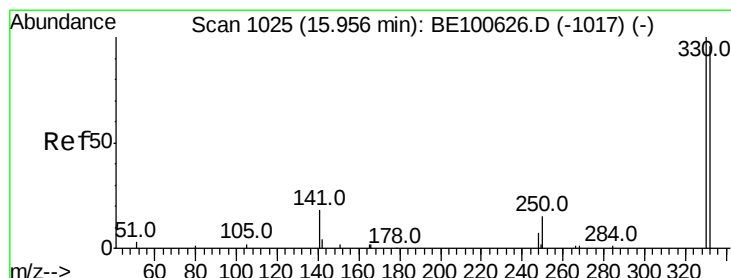
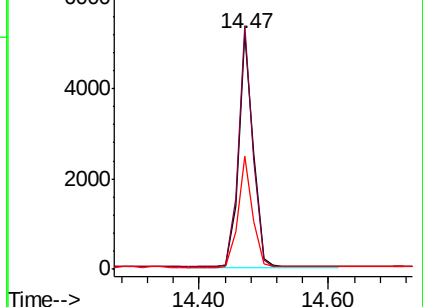
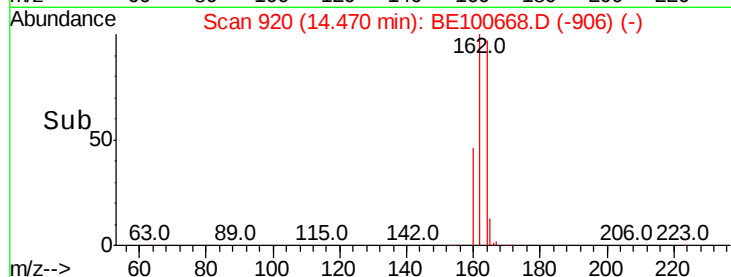
160 48.1 37.5 56.3



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: 0.468 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

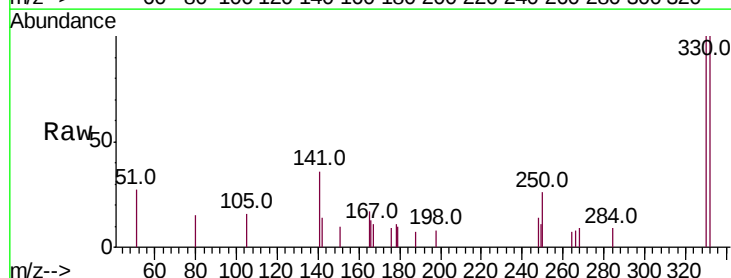
Tgt Ion:330 Resp: 1001

Ion Ratio Lower Upper

330 100

332 98.1 77.9 116.9

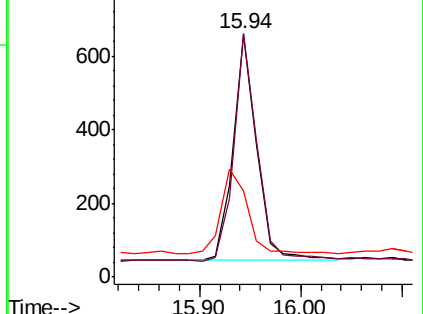
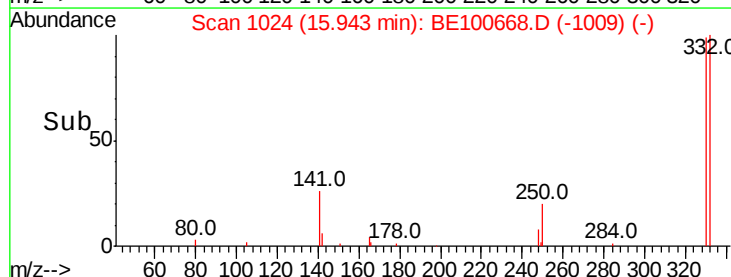
141 41.7 33.0 49.6

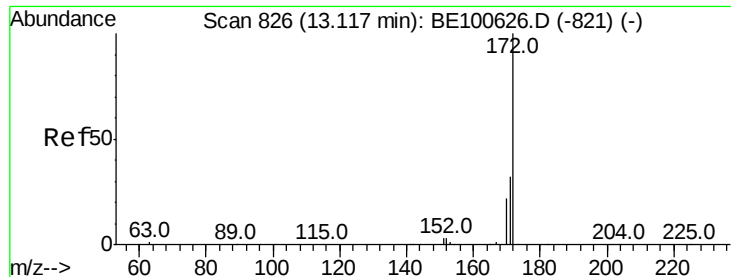


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

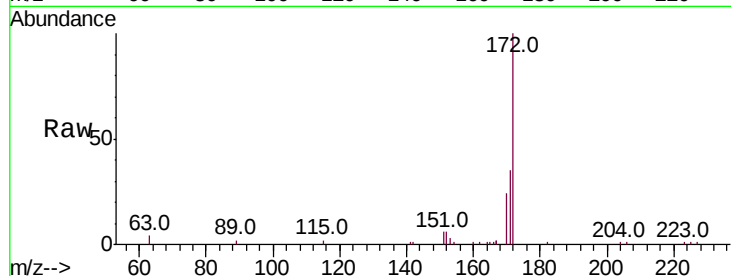




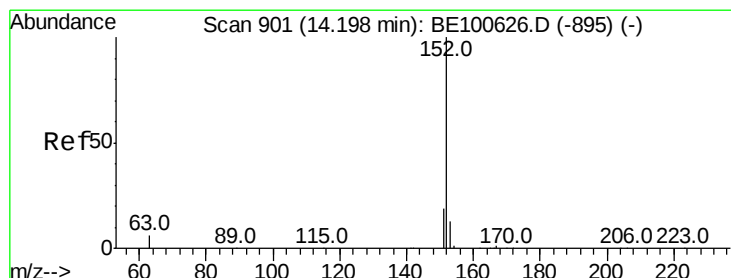
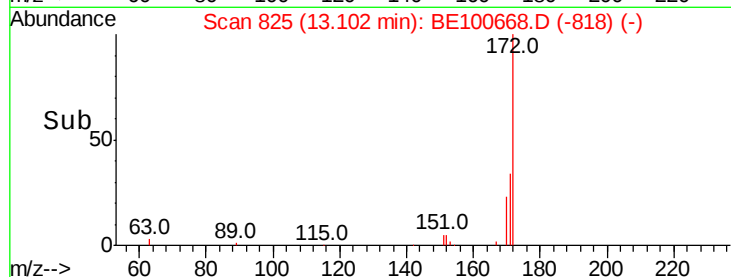
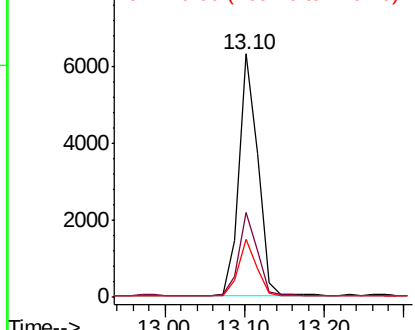
#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 10259
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 24.1 19.0 28.4

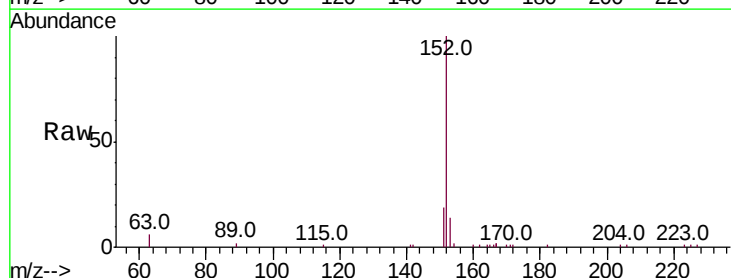


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

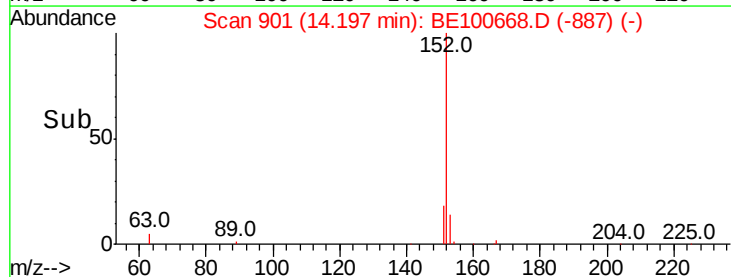
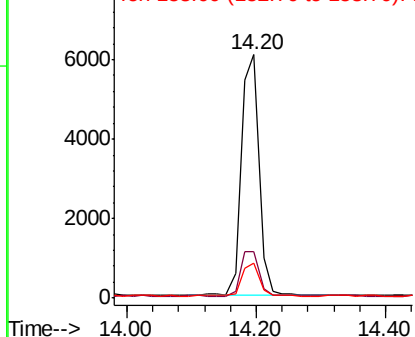


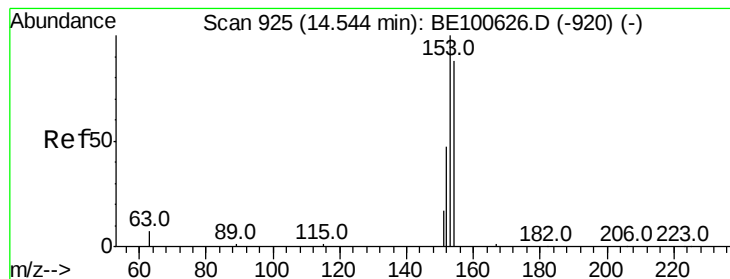
#16
Acenaphthylene
Concen: 0.331 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

Tgt Ion:152 Resp: 11537
Ion Ratio Lower Upper
152 100
151 19.6 15.2 22.8
153 13.3 10.3 15.5



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: 0.316 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

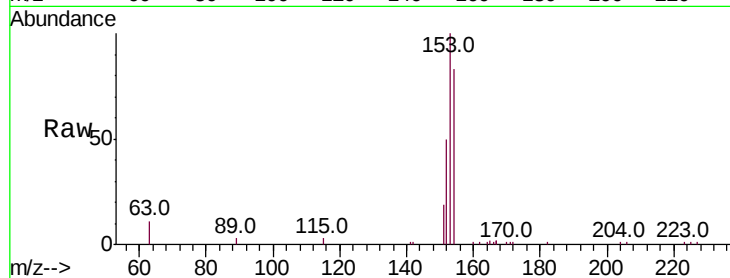
Tot Ion:154 Resp: 7099

Ion Ratio Lower Upper

154 100

153 116.5 89.4 134.2

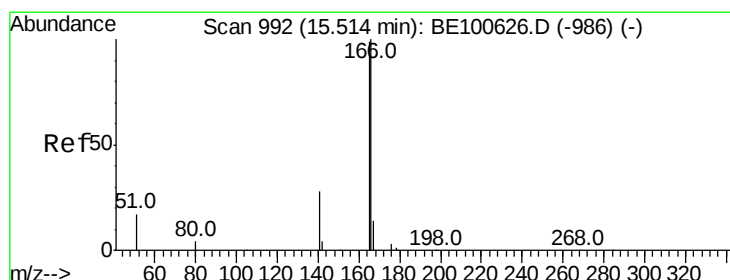
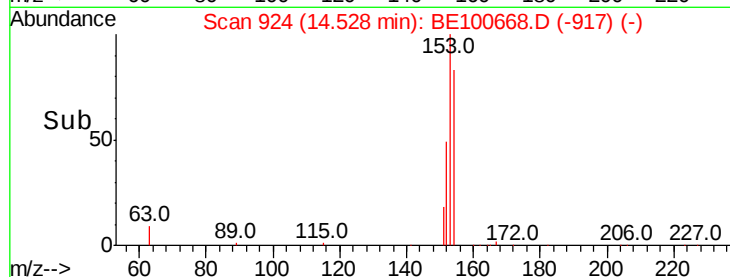
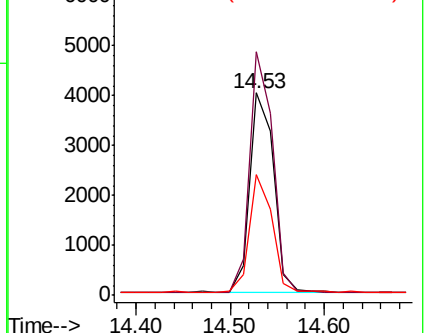
152 56.2 44.1 66.1



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: 0.327 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

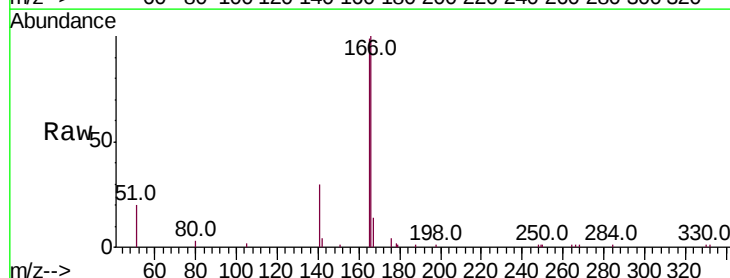
Tgt Ion:166 Resp: 9779

Ion Ratio Lower Upper

166 100

165 98.1 78.6 117.8

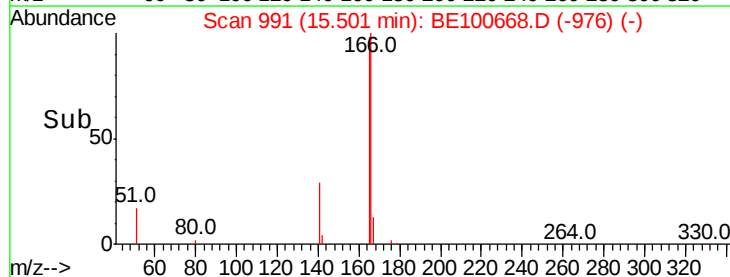
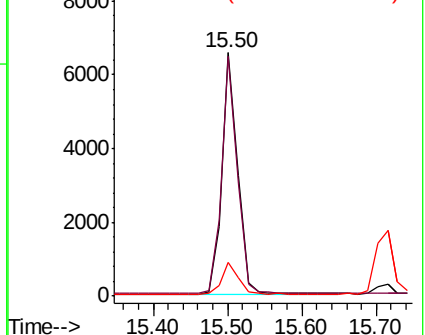
167 13.4 10.9 16.3

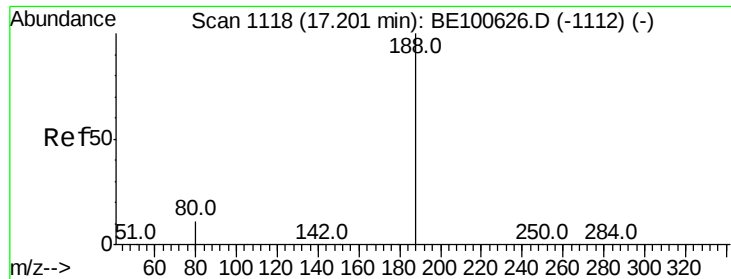


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

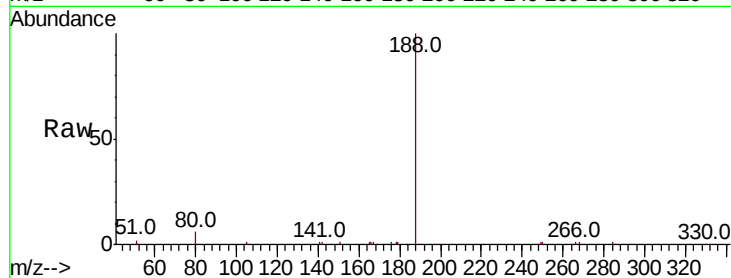
Tot Ion:188 Resp: 18537

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

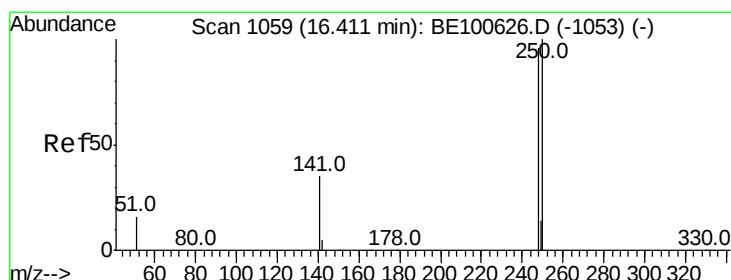
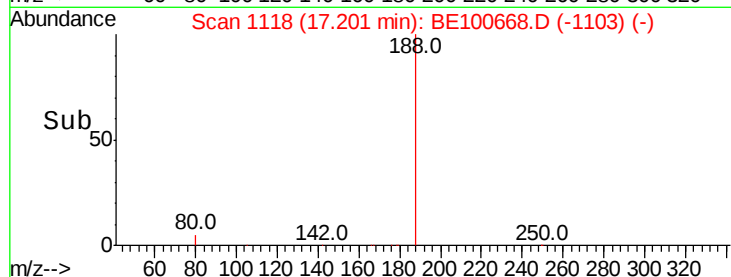
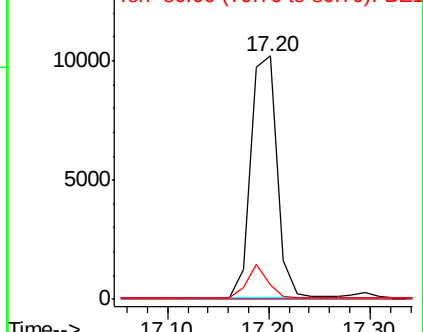
80 6.0 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.324 ng

RT: 16.40 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

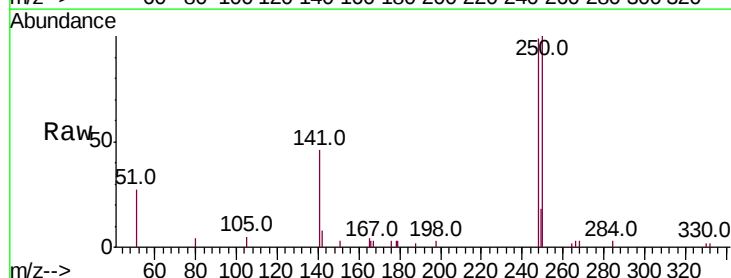
Tgt Ion:248 Resp: 3054

Ion Ratio Lower Upper

248 100

250 100.6 76.3 114.5

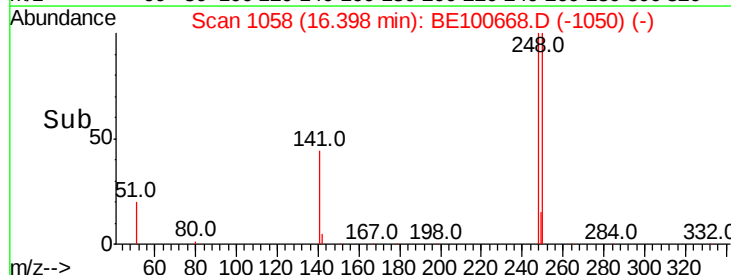
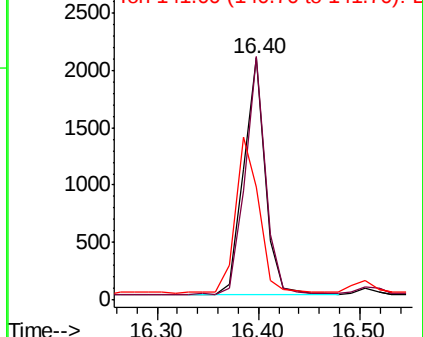
141 46.5 37.3 55.9

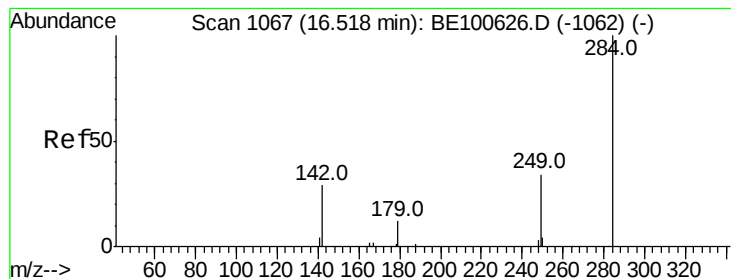


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.293 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

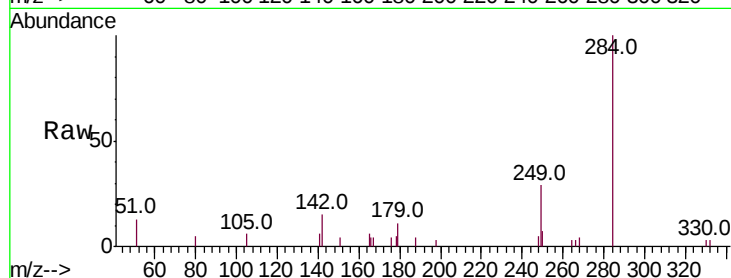
Tot Ion:284 Resp: 2636

Ion Ratio Lower Upper

284 100

142 35.4 28.6 42.8

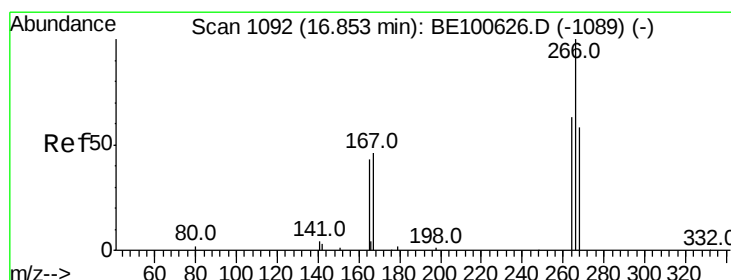
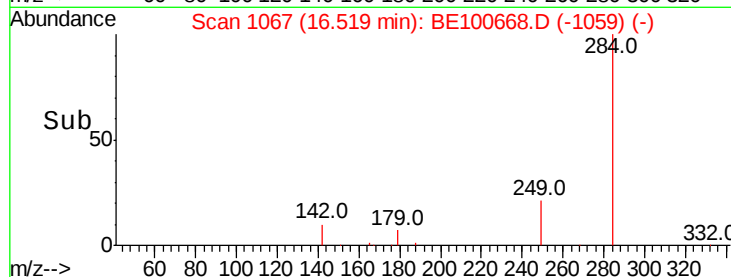
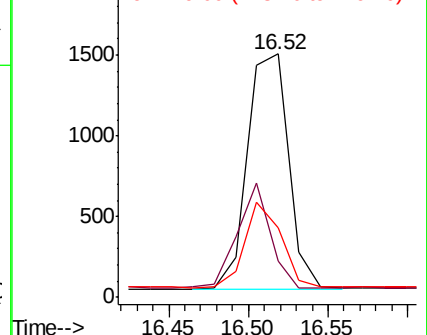
249 32.0 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.587 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

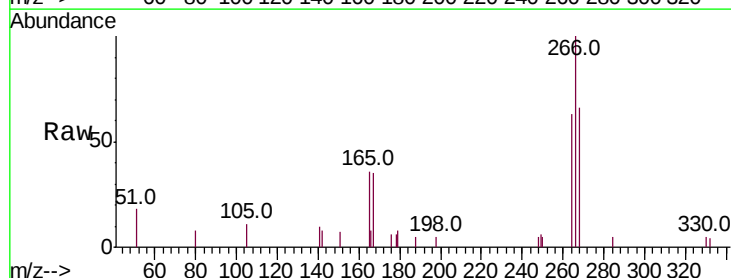
Tgt Ion:266 Resp: 1700

Ion Ratio Lower Upper

266 100

264 62.8 52.2 78.4

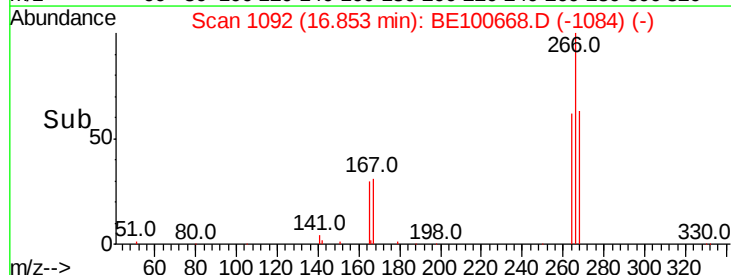
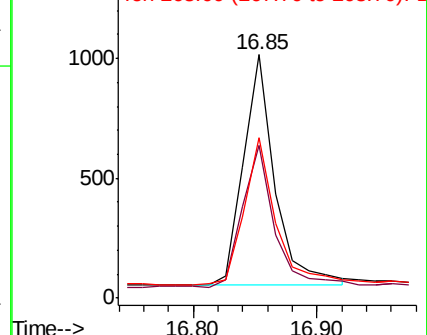
268 65.8 53.1 79.7

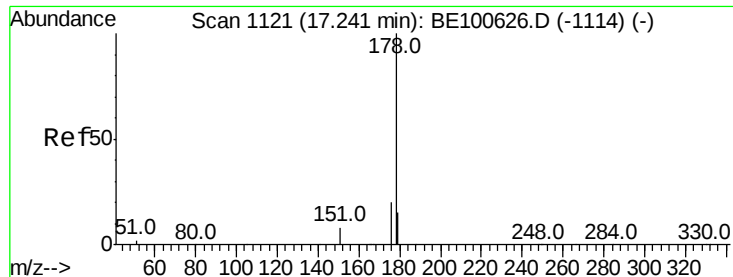


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

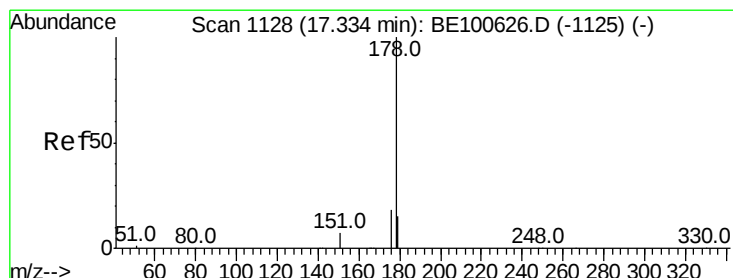
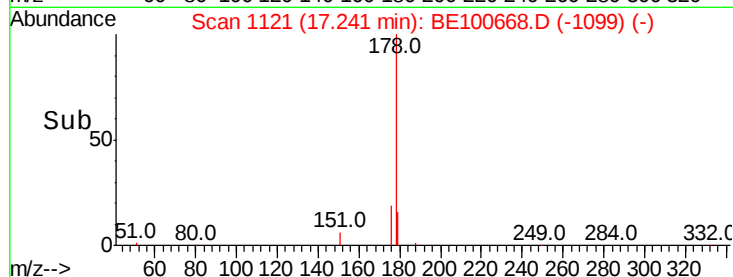
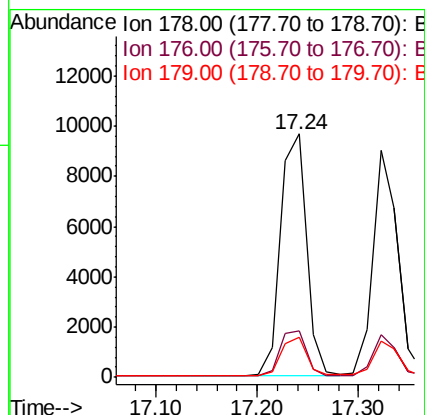
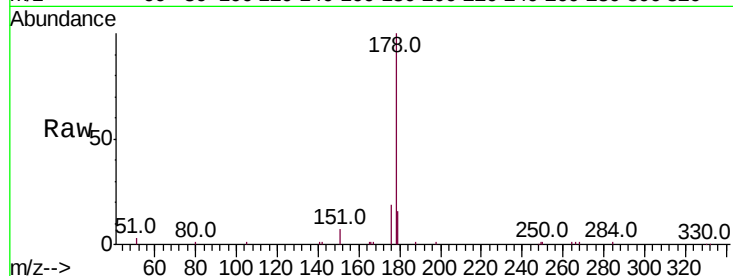




#23
Phenanthrene
Concen: 0.335 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

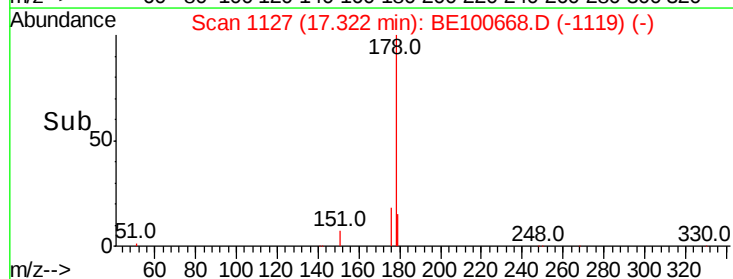
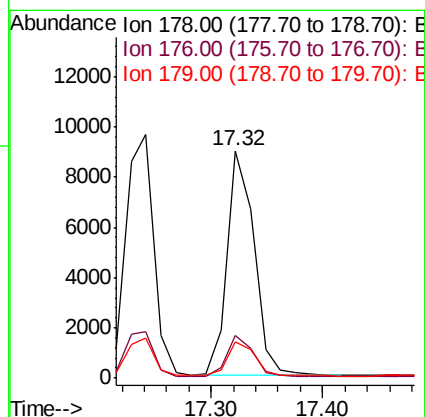
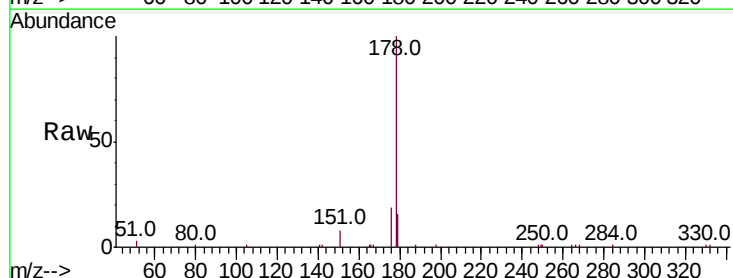
Instrument :
BNA_E
ClientSampleId :

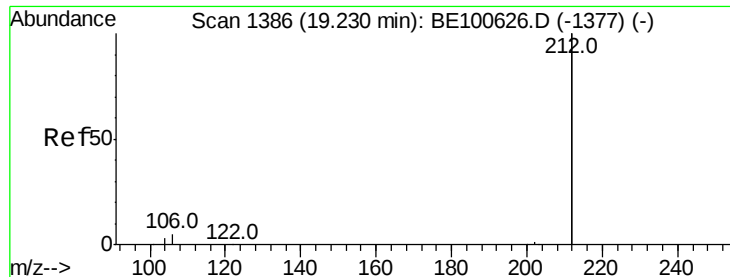
Tot Ion:178 Resp: 17056
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.6 12.1 18.1



#24
Anthracene
Concen: 0.315 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

Tgt Ion:178 Resp: 14920
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.1 12.5 18.7





#25

Fluoranthene-d10

Concen: 0.354 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE100668.D

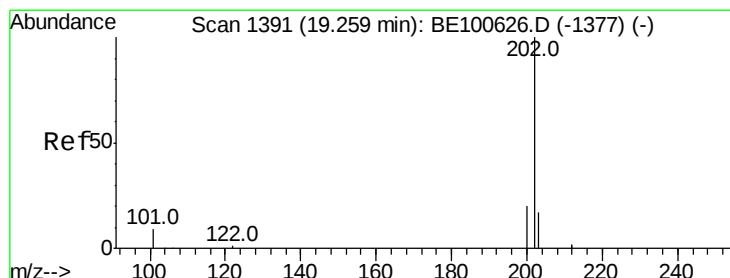
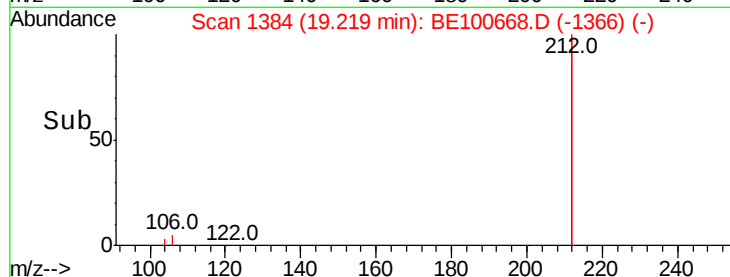
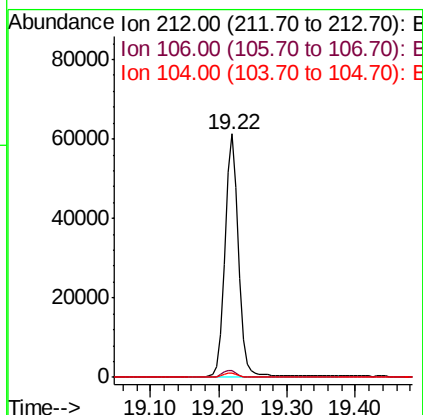
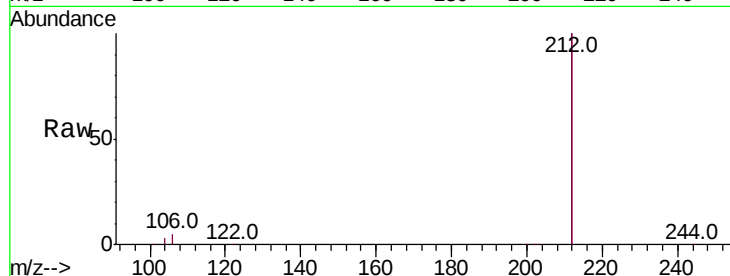
Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	84695
Ion Ratio	Lower	Upper
212 100		
106 2.8	2.3	3.5
104 1.5	1.3	1.9



#26

Fluoranthene

Concen: 0.325 ng

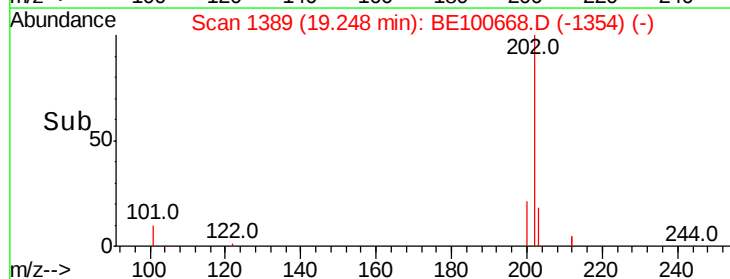
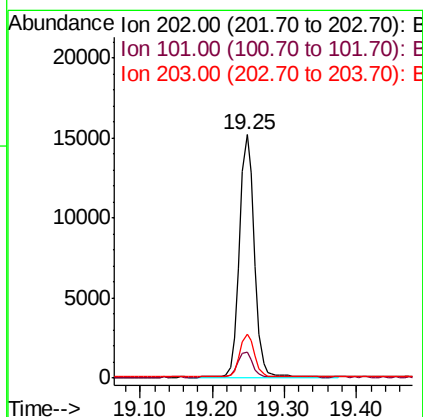
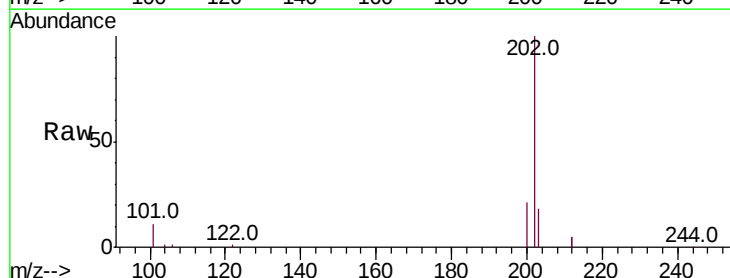
RT: 19.25 min Scan# 1389

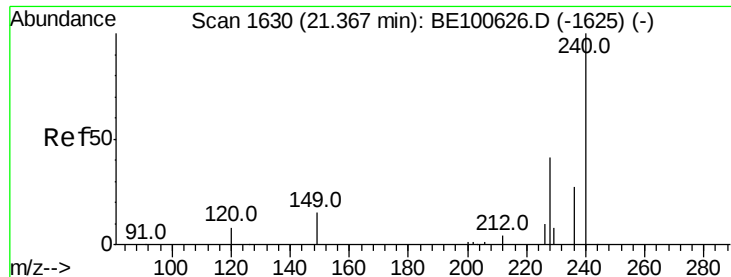
Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Tgt Ion:202	Resp:	21651
Ion Ratio	Lower	Upper
202 100		
101 10.6	8.5	12.7
203 17.4	13.8	20.8

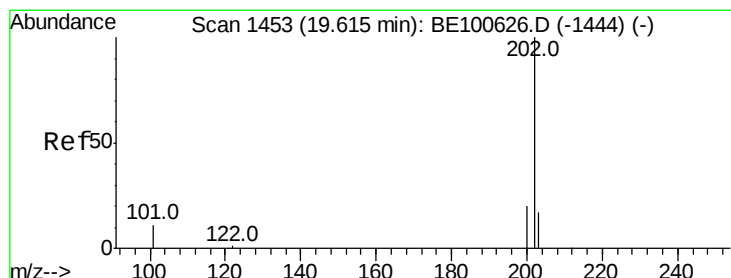
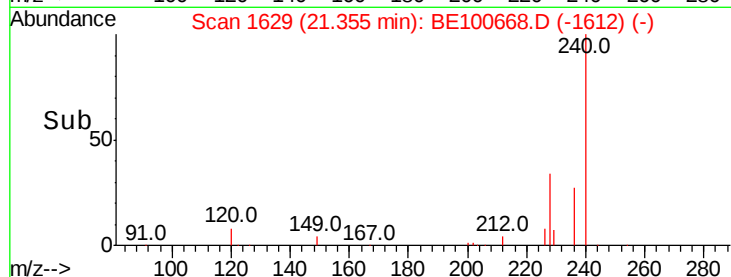
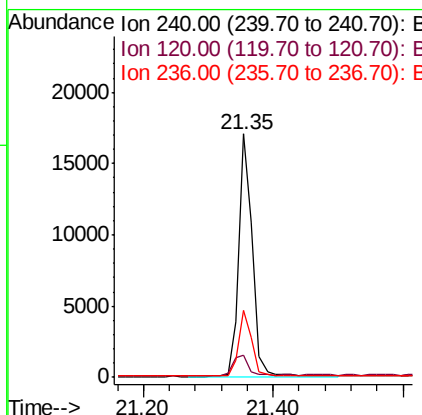
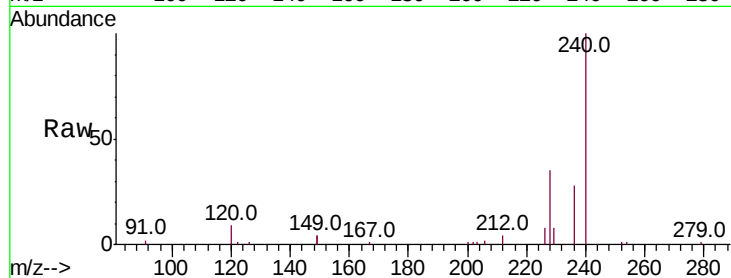




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

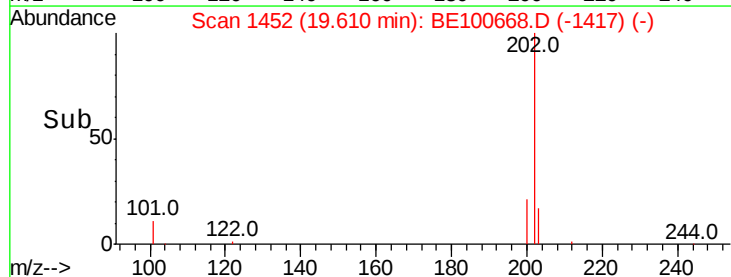
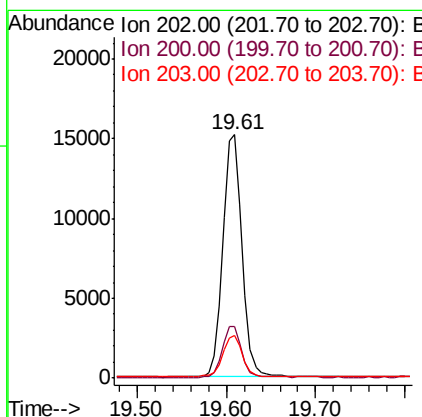
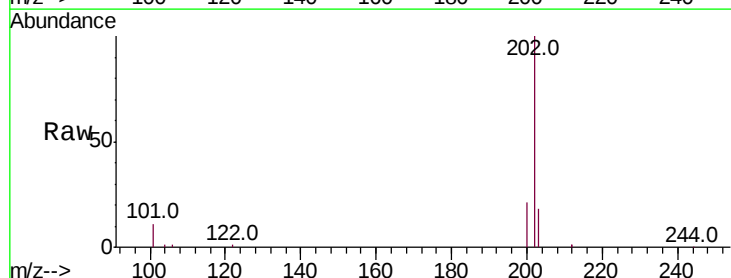
Instrument :
BNA_E
ClientSampleId :

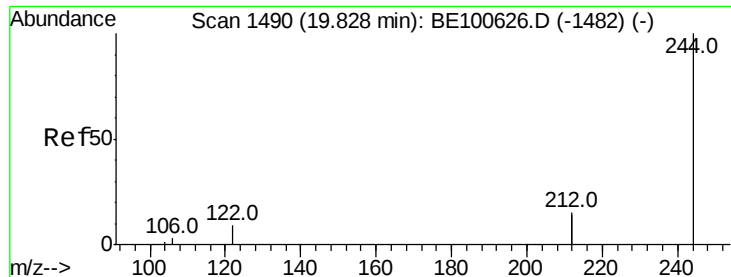
Tot Ion:240 Resp: 24850
Ion Ratio Lower Upper
240 100
120 9.1 7.6 11.4
236 27.7 22.1 33.1



#28
Pyrene
Concen: 0.325 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

Tgt Ion:202 Resp: 22548
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.9 14.0 21.0





#29

Terphenyl-d14

Concen: 0.382 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

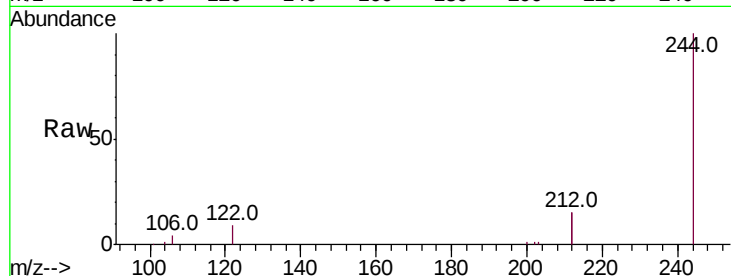
Tot Ion:244 Resp: 20779

Ion Ratio Lower Upper

244 100

212 29.1 23.7 35.5

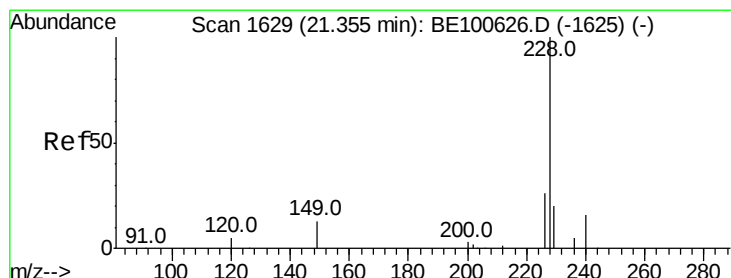
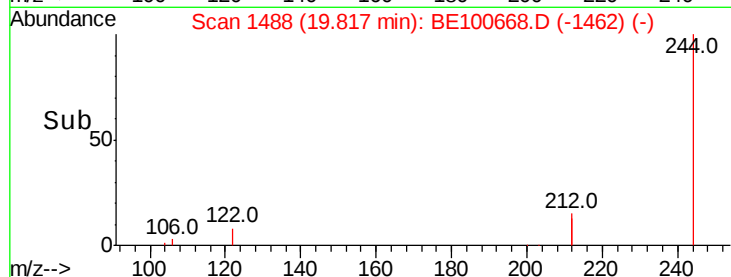
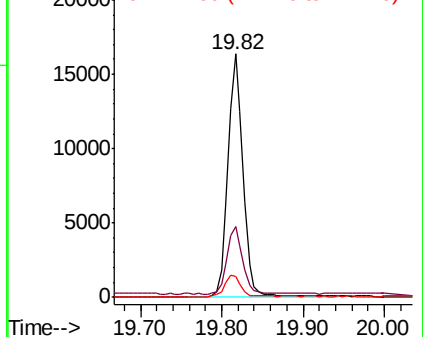
122 8.7 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.328 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

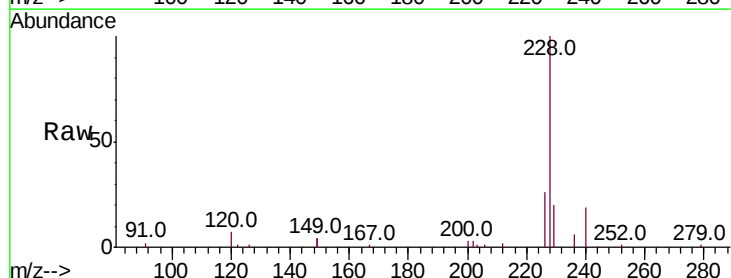
Tgt Ion:228 Resp: 26591

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.0

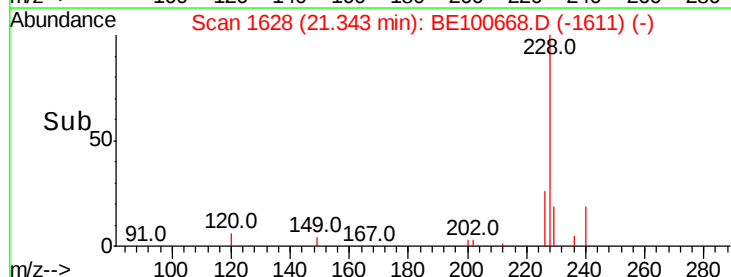
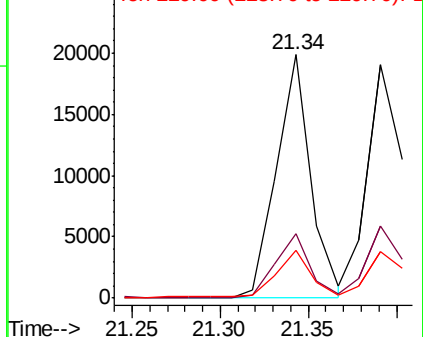
229 19.7 16.0 24.0

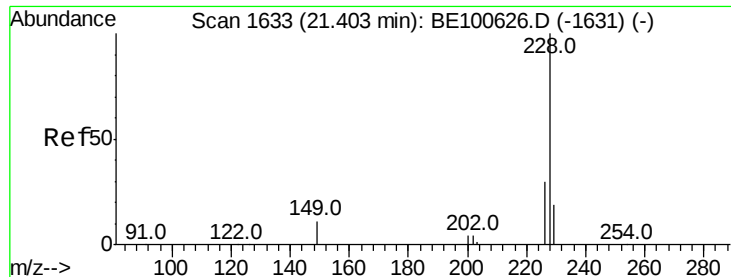


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.329 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

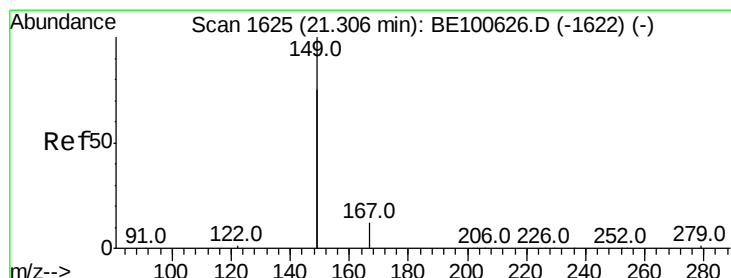
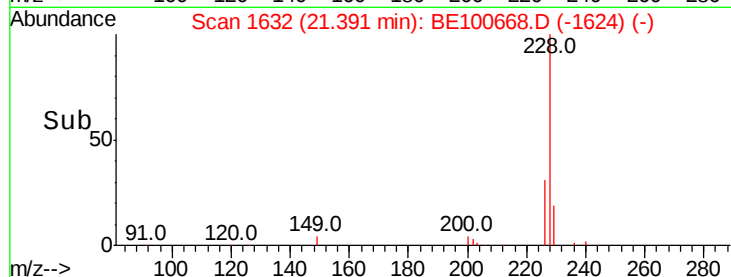
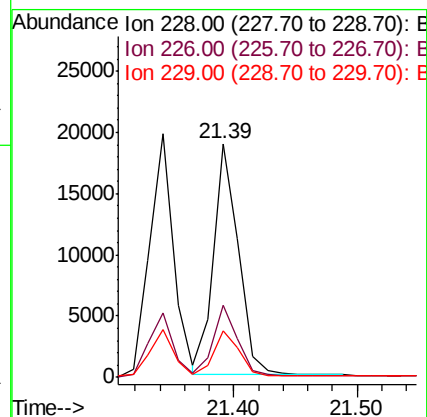
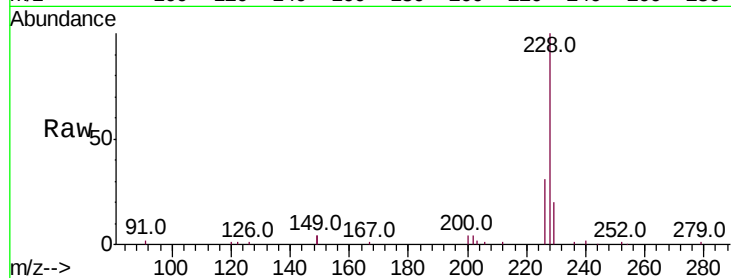
Tot Ion:228 Resp: 26676

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

229 19.8 15.8 23.8



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.332 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

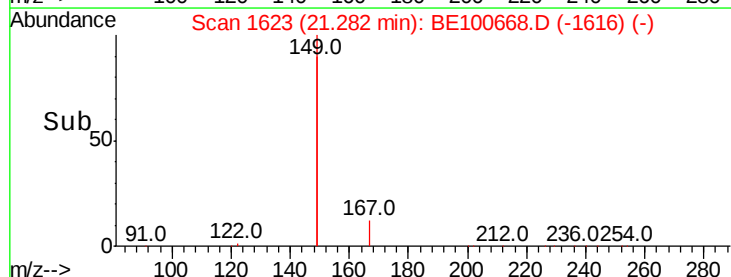
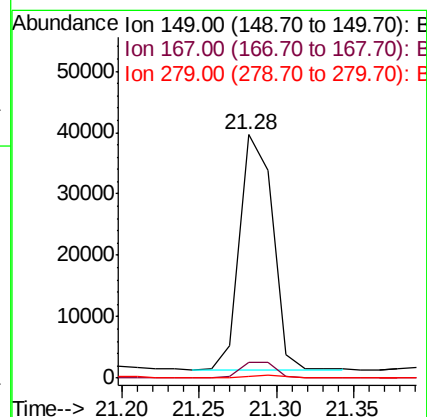
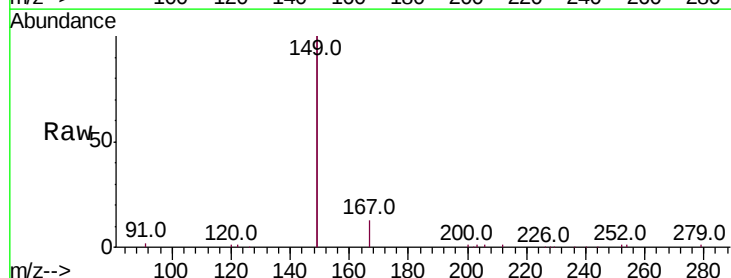
Tgt Ion:149 Resp: 56328

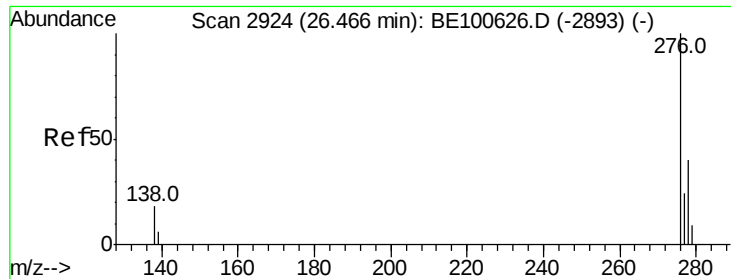
Ion Ratio Lower Upper

149 100

167 6.9 5.5 8.3

279 1.0 0.9 1.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.393 ng

RT: 26.43 min Scan# 2915

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

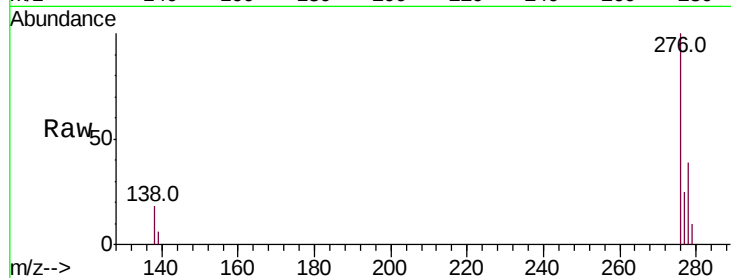
Tot Ion:276 Resp: 39151

Ion Ratio Lower Upper

276 100

138 19.3 15.3 22.9

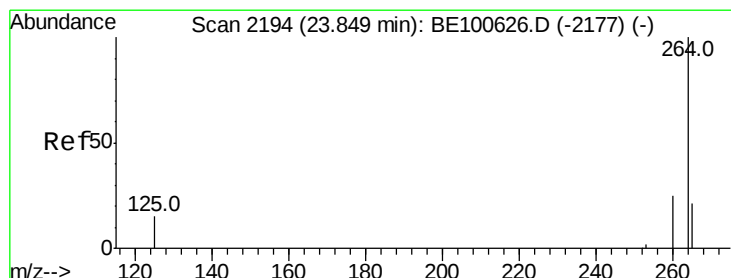
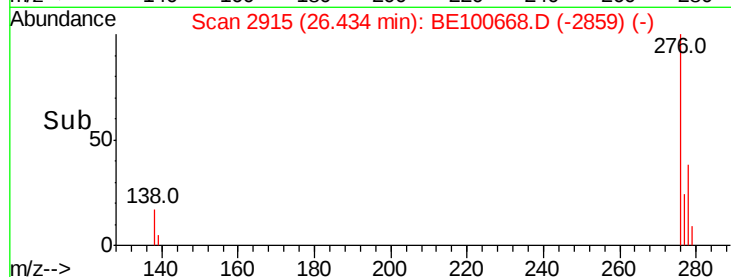
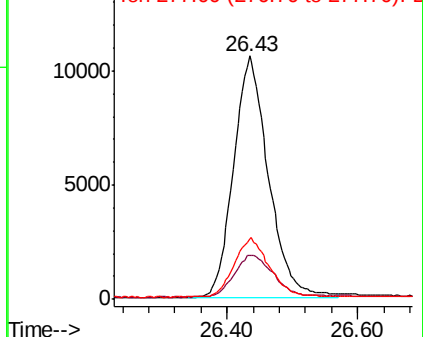
277 24.7 19.4 29.2



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: 23.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

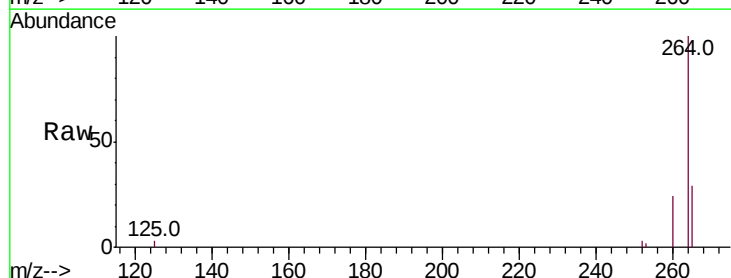
Tgt Ion:264 Resp: 34766

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

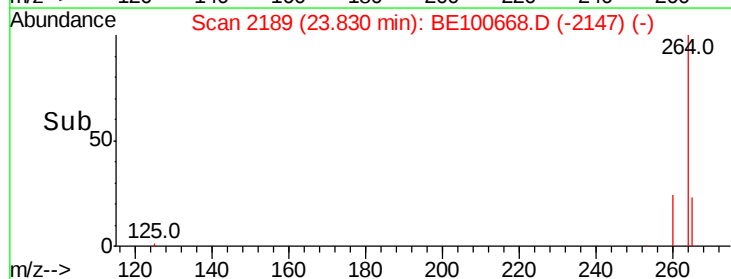
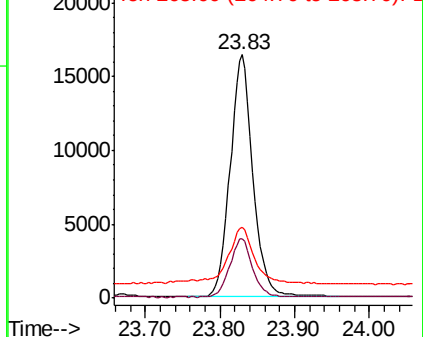
265 28.9 21.7 32.5

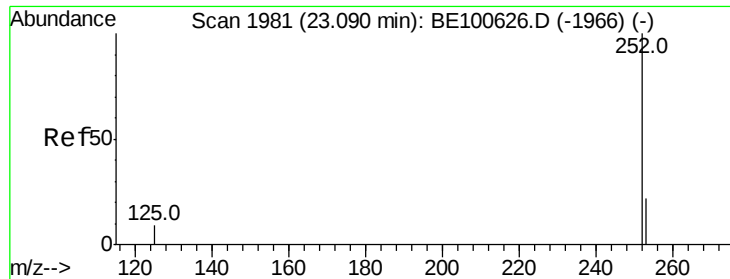


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

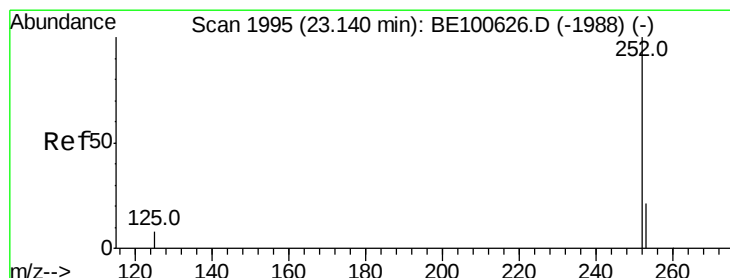
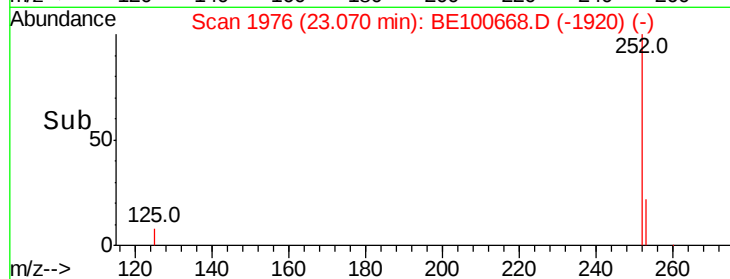
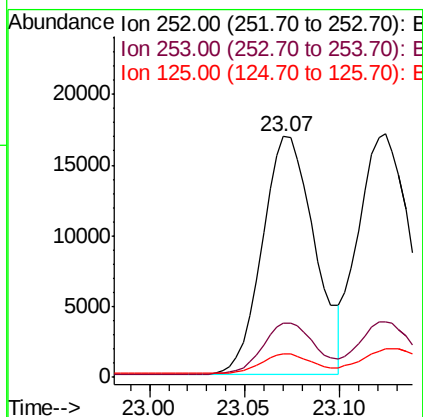
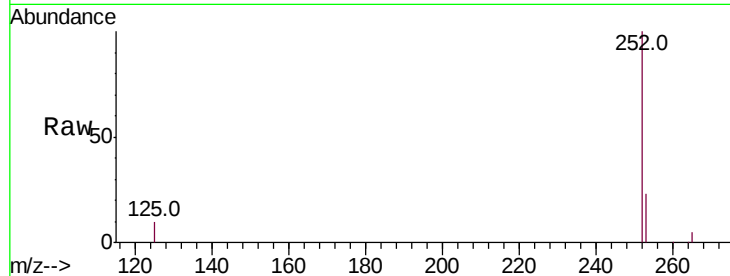




#35
Benzo(b)fluoranthene
Concen: 0.319 ng
RT: 23.07 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

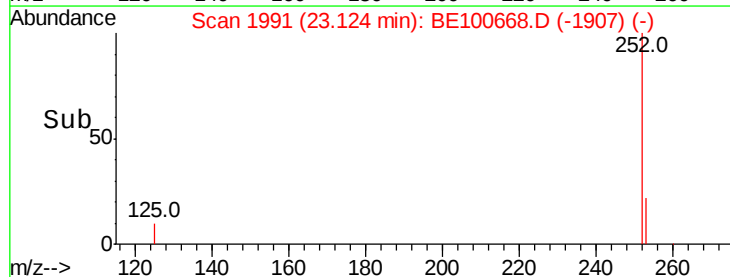
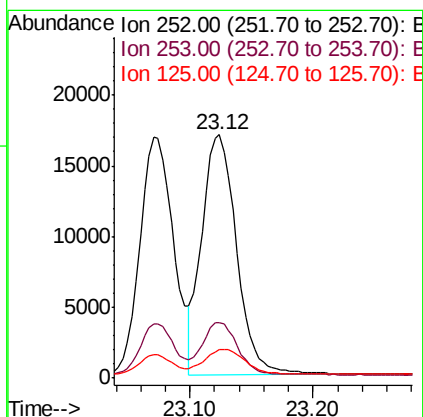
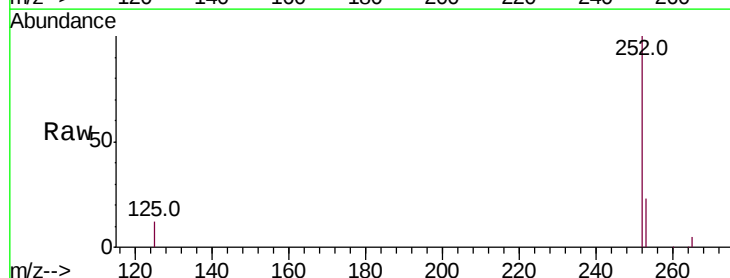
Instrument :
BNA_E
ClientSampleId :

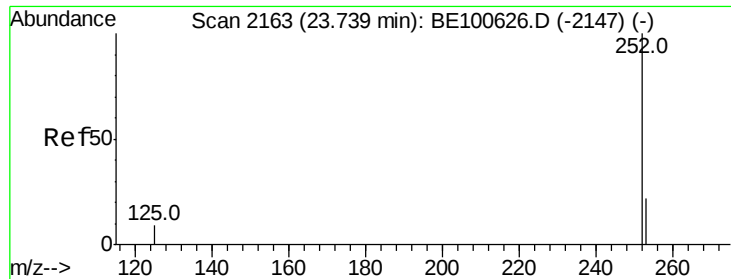
Tot Ion:252 Resp: 32370
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 9.5 7.6 11.4



#36
Benzo(k)fluoranthene
Concen: 0.318 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE100668.D
Acq: 23 Oct 2019 19:07

Tgt Ion:252 Resp: 33150
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 11.6 11.6 17.4





#37

Benzo(a)pyrene

Concen: 0.336 ng

RT: 23.72 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :

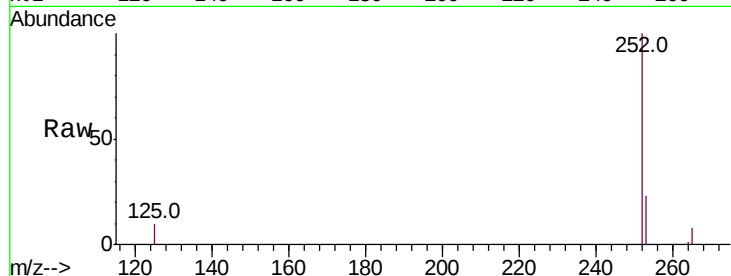
Tot Ion:252 Resp: 31751

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 10.4 8.2 12.4

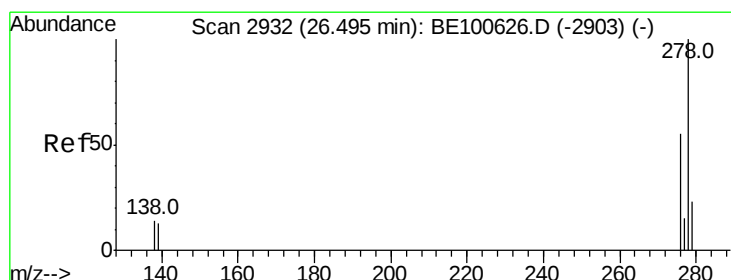
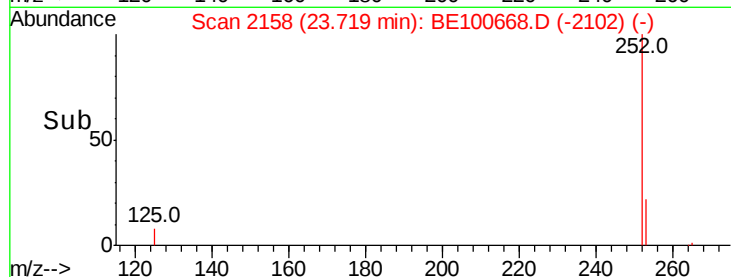
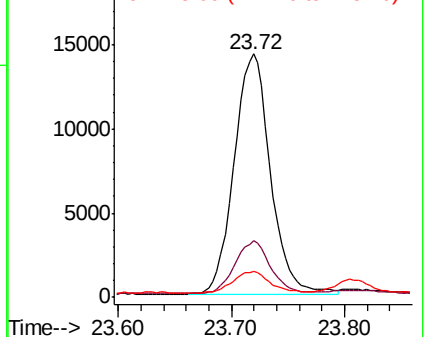


Abundance

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



#38

Dibenzo(a,h)anthracene

Concen: 0.339 ng

RT: 26.46 min Scan# 2923

Delta R.T. 0.00 min

Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

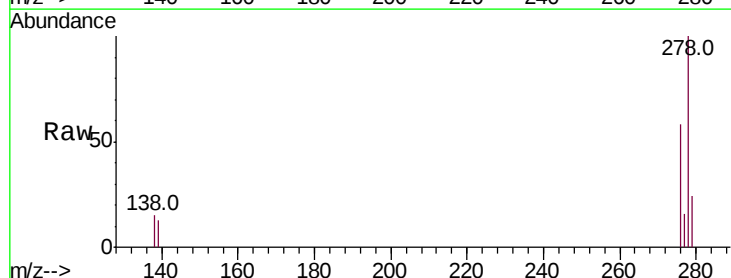
Tgt Ion:278 Resp: 33034

Ion Ratio Lower Upper

278 100

139 13.1 10.9 16.3

279 24.5 19.4 29.2

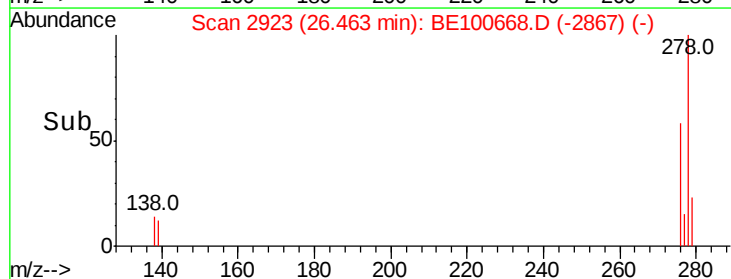
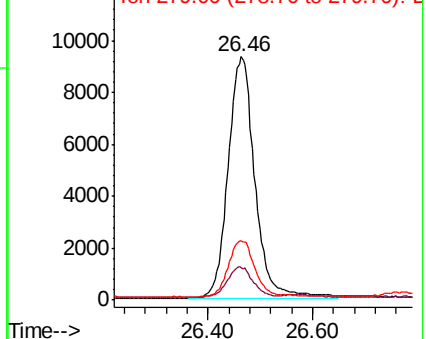


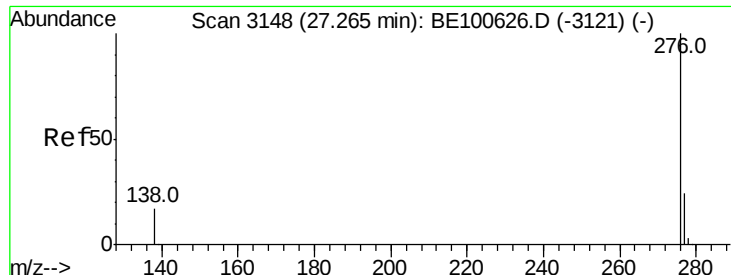
Abundance

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: 0.349 ng

RT: 27.23 min Scan# 3139

Delta R.T. 0.00 min

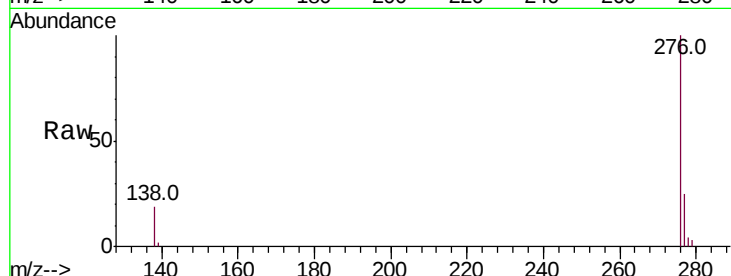
Lab File: BE100668.D

Acq: 23 Oct 2019 19:07

Instrument :

BNA_E

ClientSampleId :



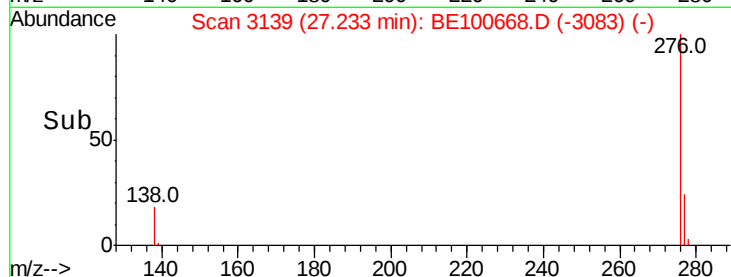
Tot Ion:276 Resp: 34273

Ion Ratio Lower Upper

276 100

277 24.6 19.4 29.0

138 18.6 13.6 20.4



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

