

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101119\
 Data File : BE100638.D
 Acq On : 11 Oct 2019 16:01
 Operator : JU
 Sample : K4839-08RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 16:55:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 10 14:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	22710	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	18724	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	10871	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	25735	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29204	0.40	ng	0.00
34) Perylene-d12	23.84	264	33495	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	2732658	38.97	ng	0.01
5) Phenol-d6	7.02	99	4111388	41.57	ng	0.01
8) Nitrobenzene-d5	9.00	82	2286663	197.03	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	513	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1057525	368.15	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	4633447	116.98	ng	0.00
25) Fluoranthene-d10	19.22	212	4532	0.01	ng	0.00
29) Terphenyl-d14	19.83	244	6941688	108.72	ng	0.00

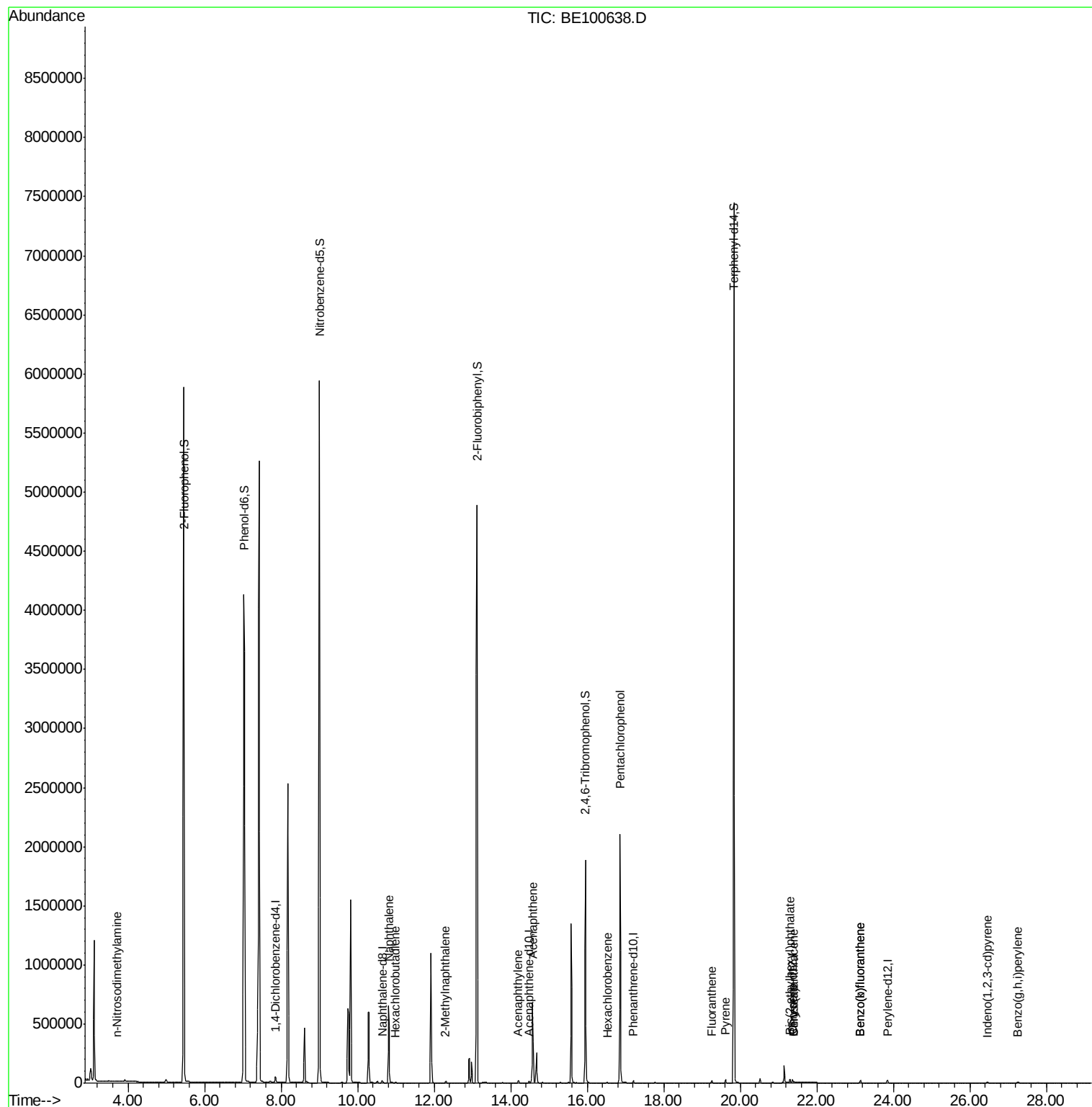
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.70	42	2742	0.064	ng	# 83
9) Naphthalene	10.81	128	579814	2.945	ng	# 93
10) Hexachlorobutadiene	10.99	225	3953	0.462	ng	97
12) 2-Methylnaphthalene	12.30	142	10898	0.325	ng	95
16) Acenaphthylene	14.20	152	23270	0.497	ng	100
17) Acenaphthene	14.57	154	443514	14.671	ng	# 4
21) Hexachlorobenzene	16.52	284	4345	0.348	ng	99
22) Pentachlorophenol	16.85	266	986691	245.493	ng	98
26) Fluoranthene	19.25	202	22274	0.241	ng	100
28) Pvrene	19.62	202	25082	0.307	ng	99
30) Benzo(a)anthracene	21.40	228	11652	0.122	ng	96
31) Chrysene	21.40	228	11344	0.119	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	38524	0.193	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.45	276	16919	0.145	ng	# 94
35) Benzo(b)fluoranthene	23.13	252	35717	0.366	ng	99
36) Benzo(k)fluoranthene	23.13	252	35717	0.356	ng	99
39) Benzo(a,h,i)perylene	27.25	276	25767	0.273	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101119\
Data File : BE100638.D
Acq On : 11 Oct 2019 16:01
Operator : JU
Sample : K4839-08RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Oct 11 16:55:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 10 14:01:52 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

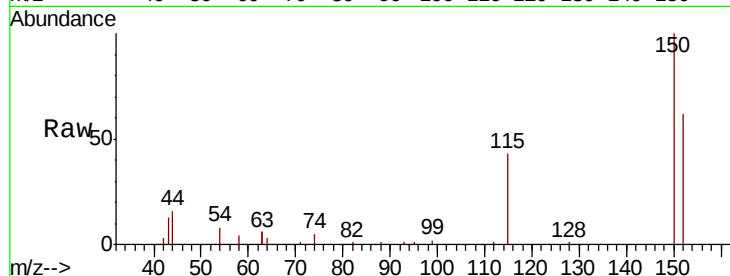
Tot Ion:152 Resp: 22710

Ion Ratio Lower Upper

152 100

150 161.4 120.7 181.1

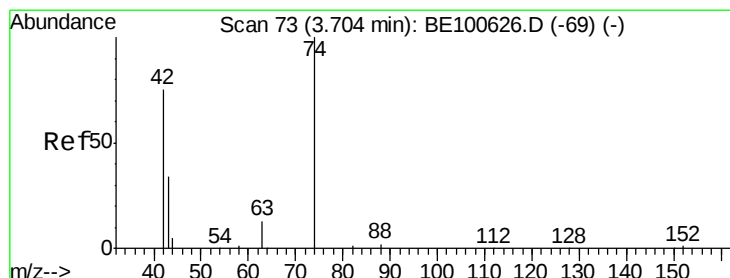
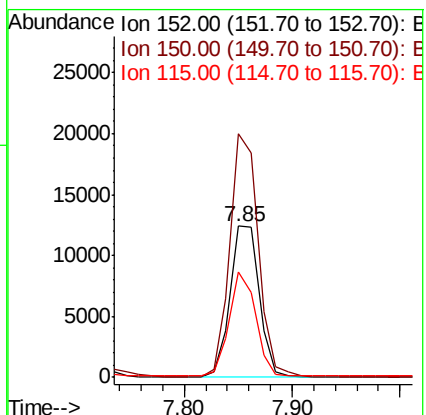
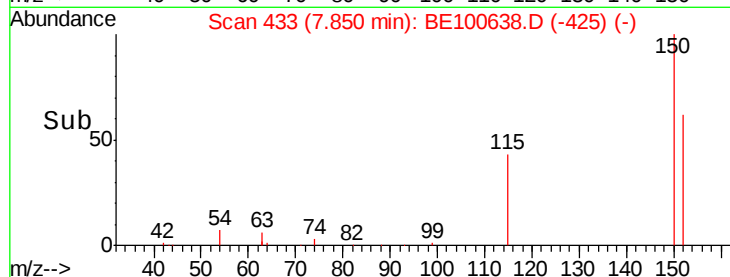
115 70.1 48.0 72.0



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: 0.064 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

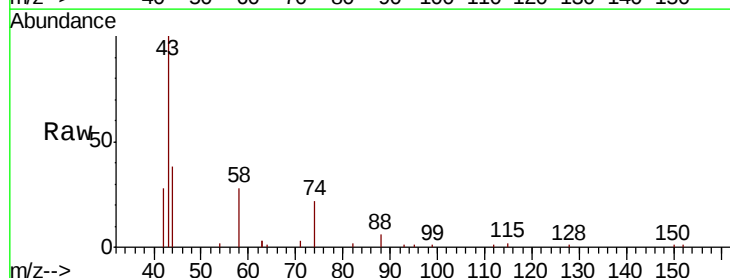
Tgt Ion: 42 Resp: 2742

Ion Ratio Lower Upper

42 100

74 129.6 91.7 137.5

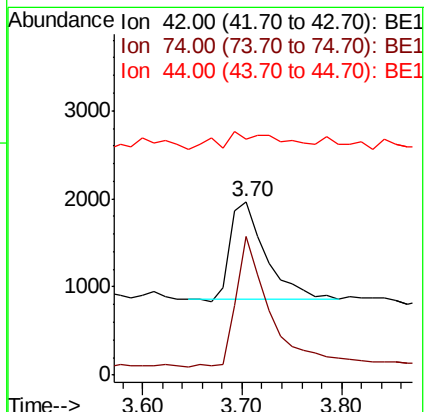
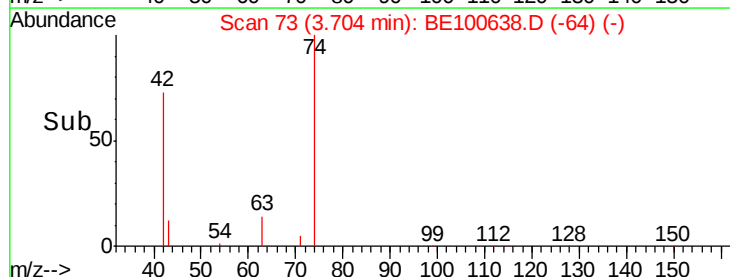
44 27.9 8.2 12.2#

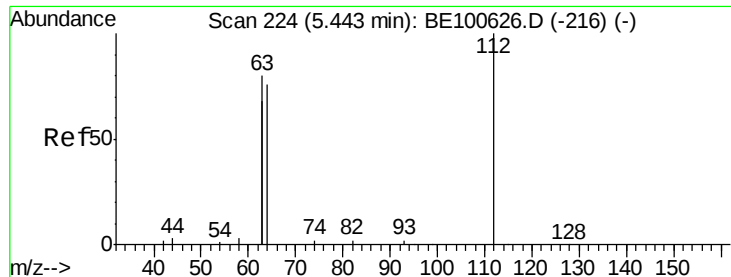


Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 38.967 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampled :

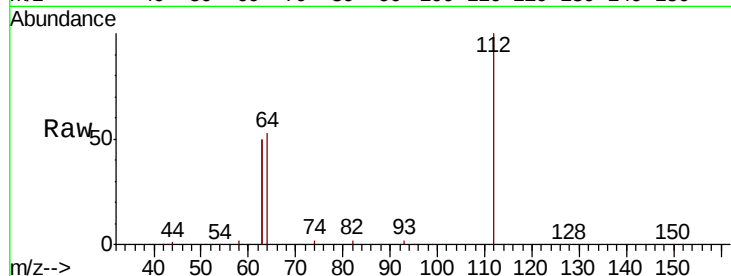
Tot Ion:112 Resp: 2732658

Ion Ratio Lower Upper

112 100

64 75.1 58.9 88.3

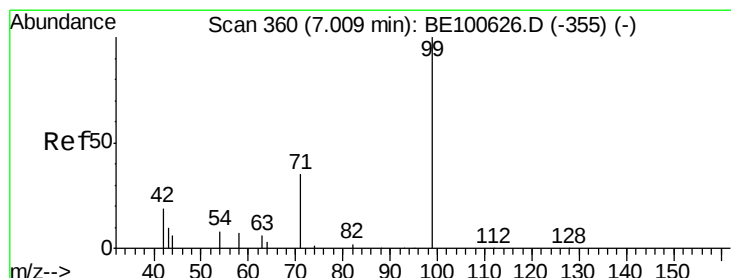
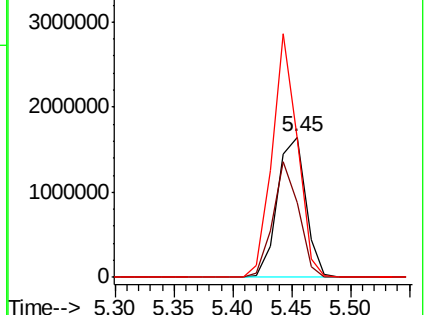
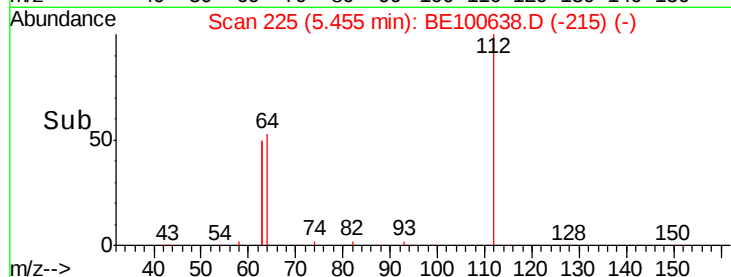
63 154.7 118.3 177.5



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



#5

Phenol-d6

Concen: 41.572 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

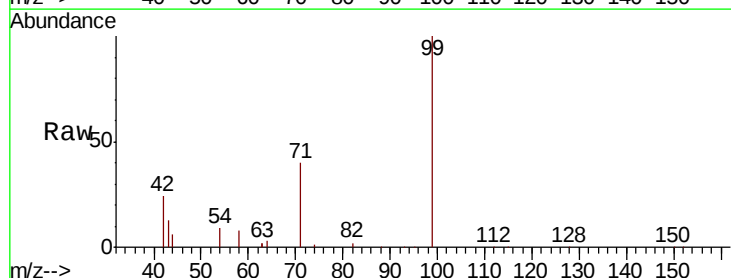
Tgt Ion: 99 Resp: 4111388

Ion Ratio Lower Upper

99 100

42 23.6 19.4 29.2

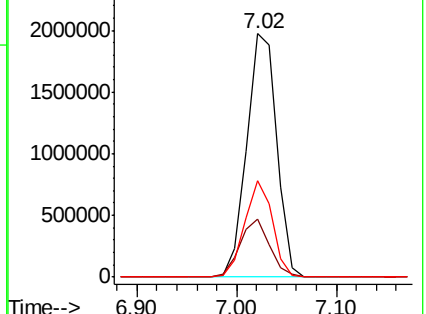
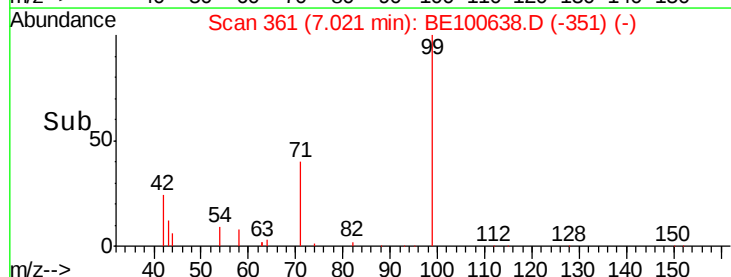
71 36.6 26.9 40.3

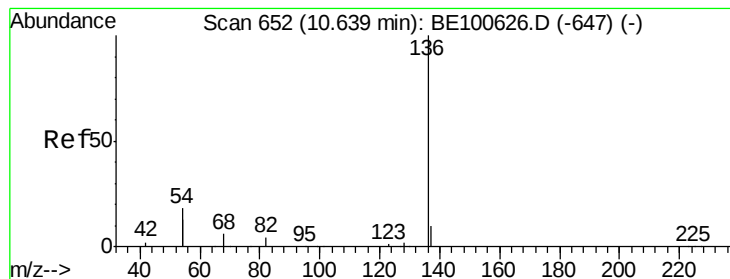


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 18724

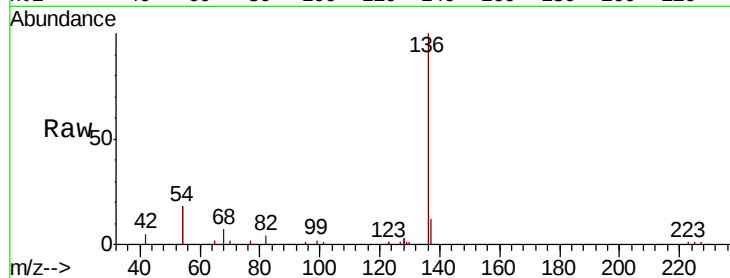
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 35.3 28.7 43.1

68 7.1 5.9 8.9

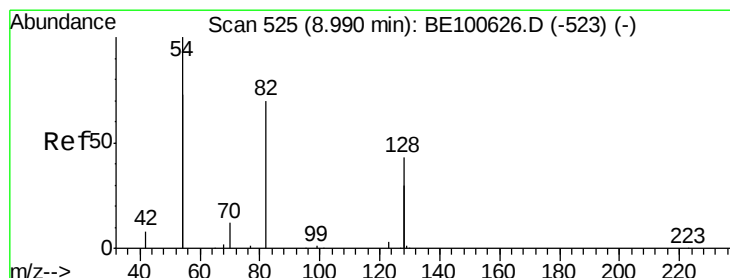
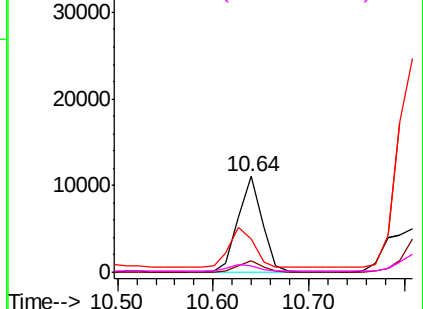
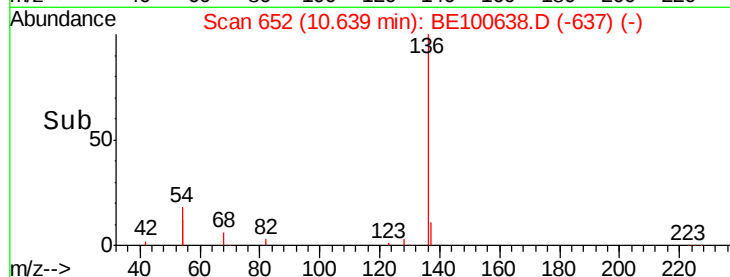


Abundance Ion 136.00 (135.70 to 136.70): E

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: 197.028 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

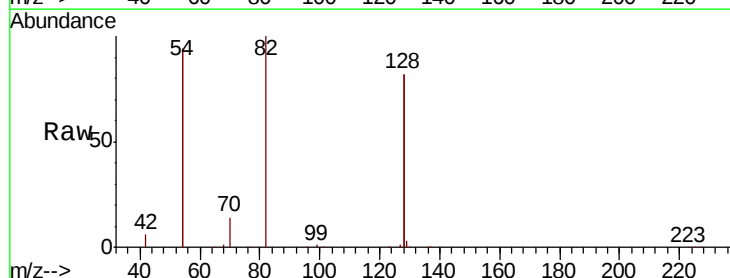
Tgt Ion: 82 Resp: 2286663

Ion Ratio Lower Upper

82 100

128 164.8 90.7 136.1#

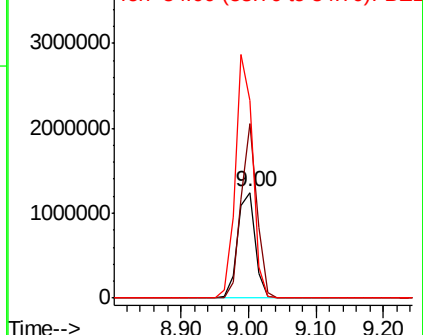
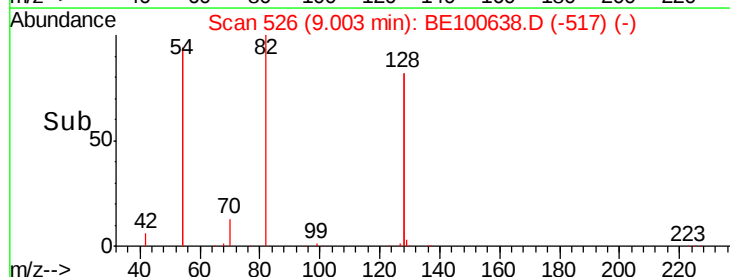
54 187.1 210.9 316.3#

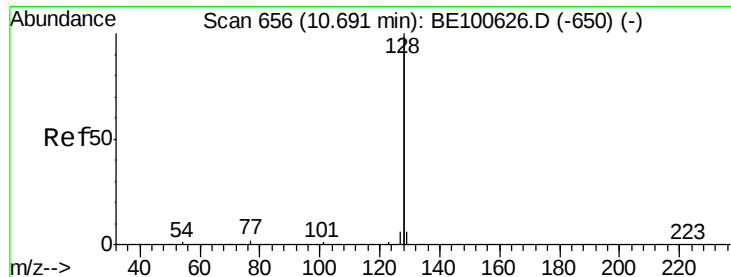


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 2.945 ng

RT: 10.81 min Scan# 665

Delta R.T. 0.12 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

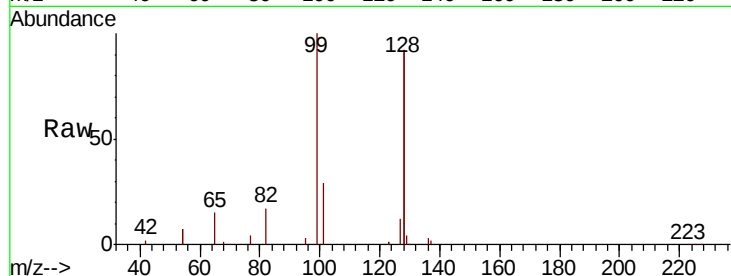
Tot Ion:128 Resp: 579814

Ion Ratio Lower Upper

128 100

129 2.0 2.4 3.6#

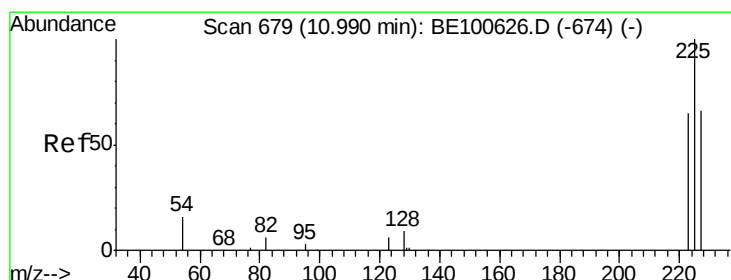
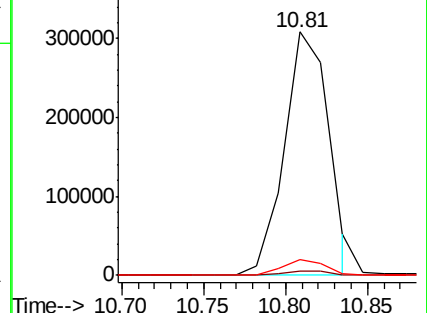
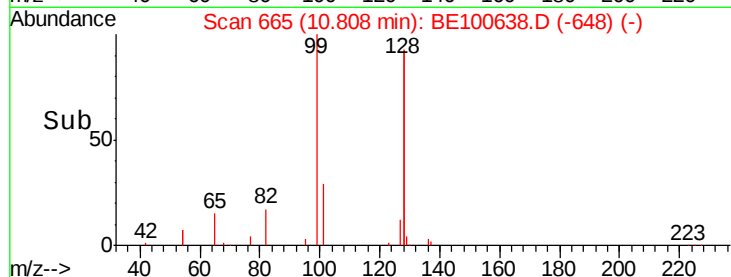
127 6.7 2.6 3.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.462 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

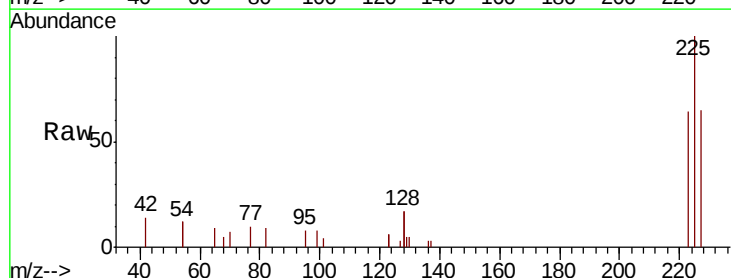
Tgt Ion:225 Resp: 3953

Ion Ratio Lower Upper

225 100

223 61.8 51.2 76.8

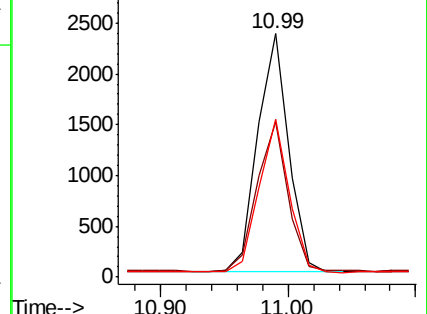
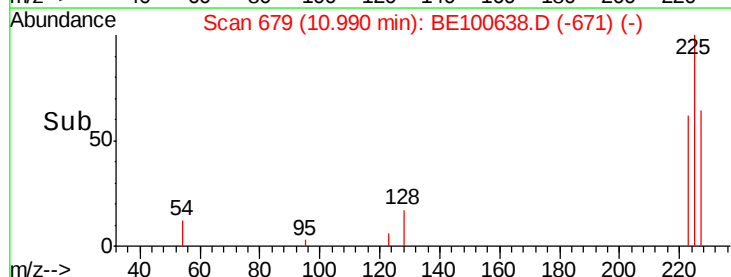
227 61.9 51.8 77.8

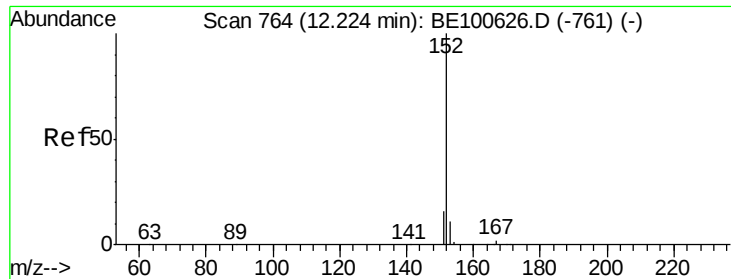


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

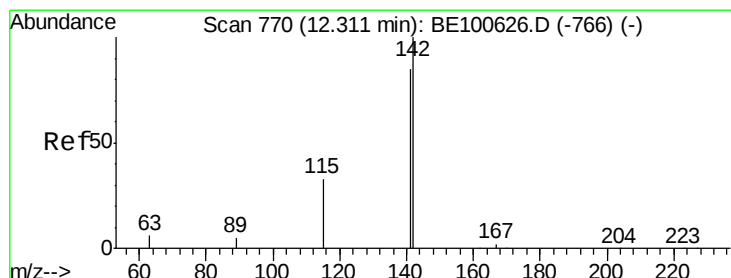
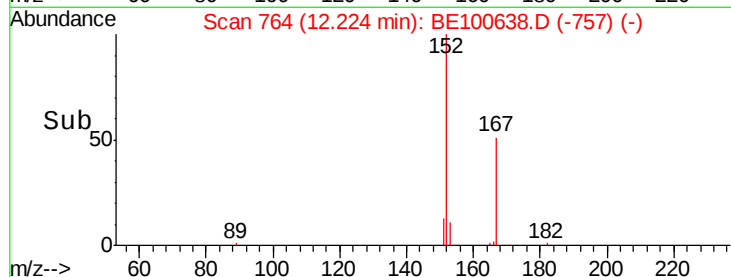
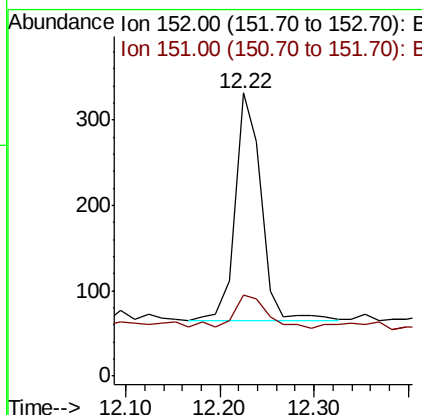
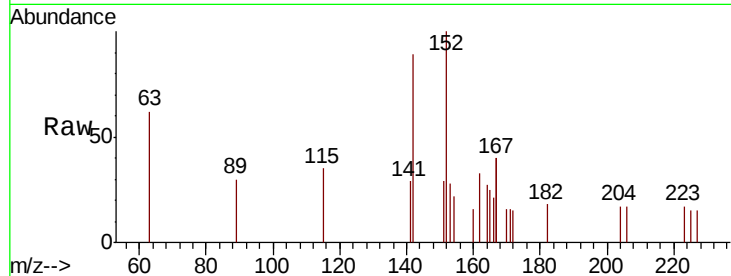




#11
 2-Methylnaphthalene-d10
 Concen: 0.017 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

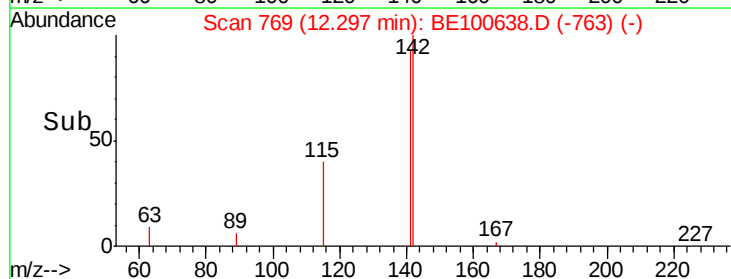
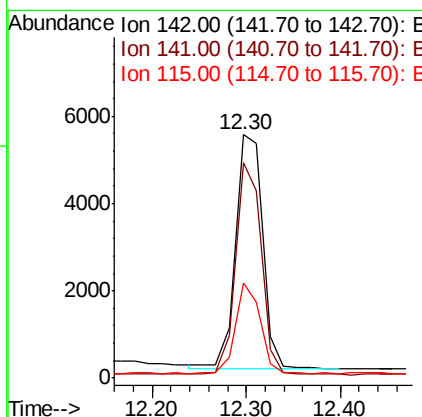
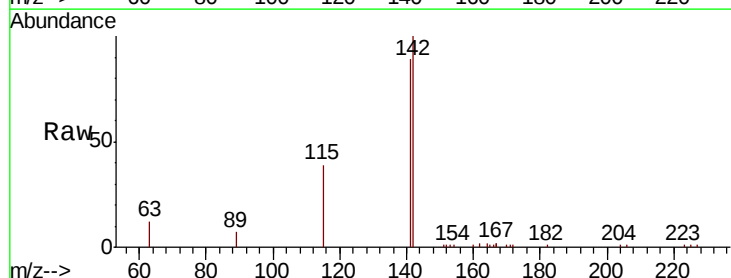
Instrument :
 BNA_E
 ClientSampleId :

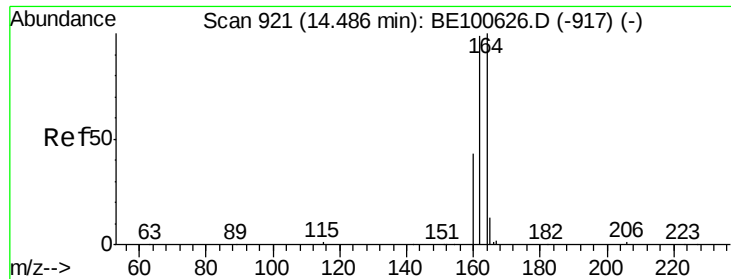
Tot Ion:152 Resp: 513
 Ion Ratio Lower Upper
 152 100
 151 17.5 15.2 22.8



#12
 2-Methylnaphthalene
 Concen: 0.325 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

Tgt Ion:142 Resp: 10898
 Ion Ratio Lower Upper
 142 100
 141 88.7 68.3 102.5
 115 39.3 27.5 41.3

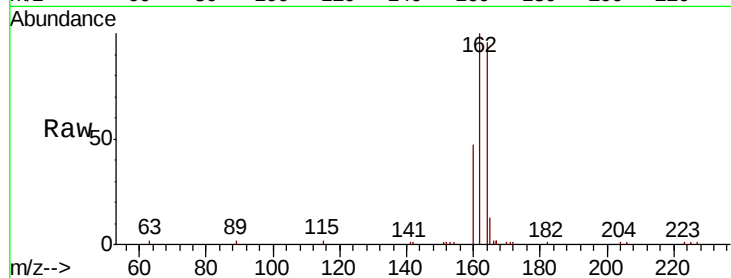




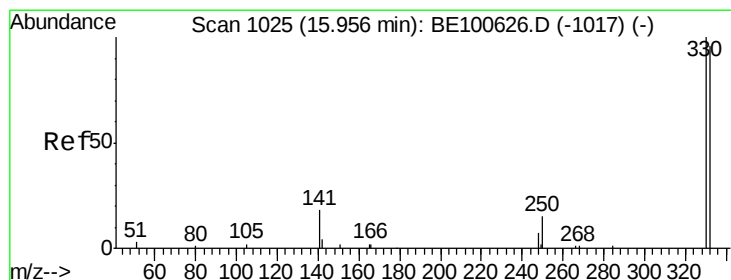
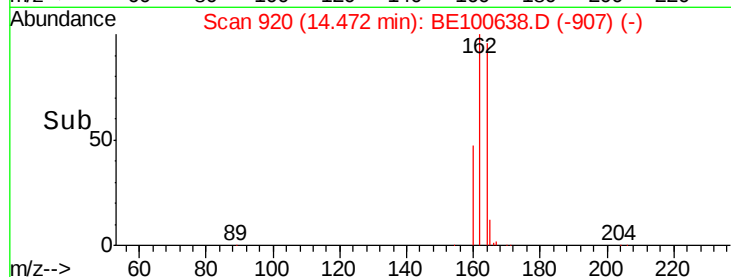
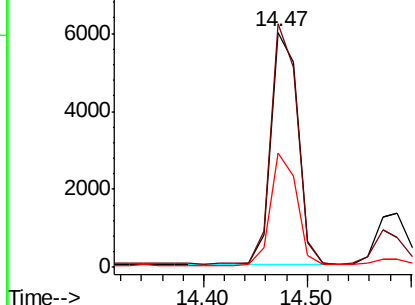
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 10871
Ion Ratio Lower Upper
164 100
162 103.8 79.1 118.7
160 48.9 34.7 52.1

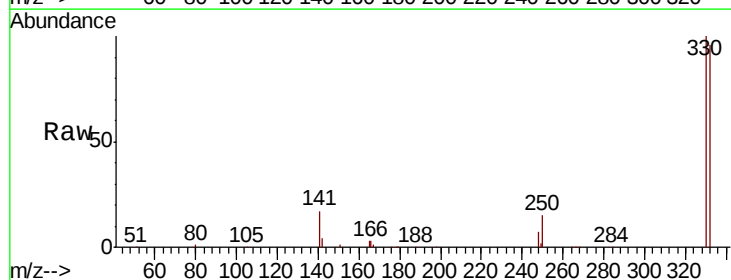


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

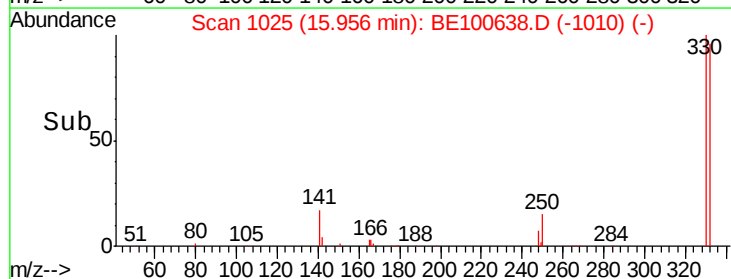
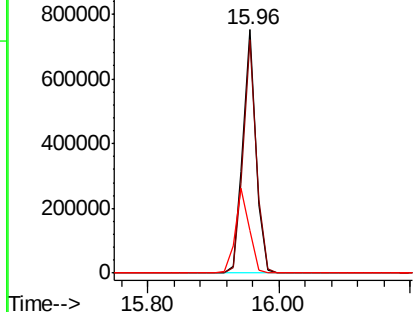


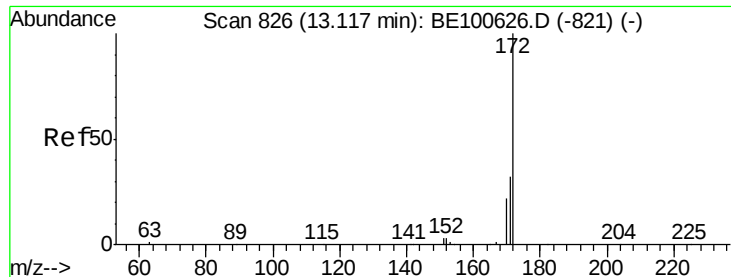
#14
2,4,6-Tribromophenol
Concen: 368.153 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:330 Resp: 1057525
Ion Ratio Lower Upper
330 100
332 96.1 75.2 112.8
141 37.4 37.5 56.3#



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

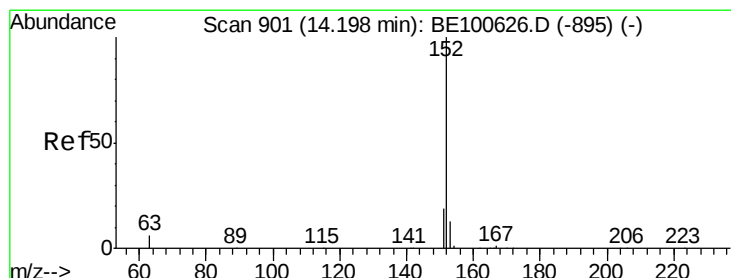
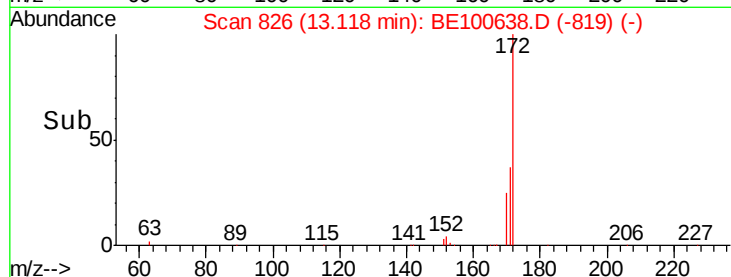
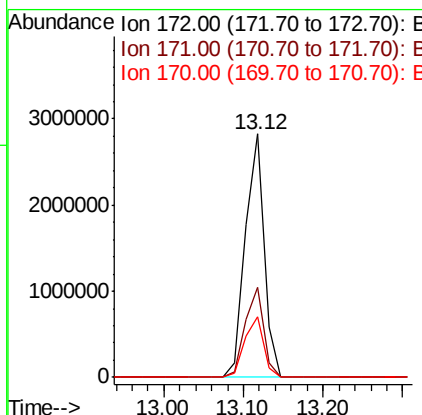
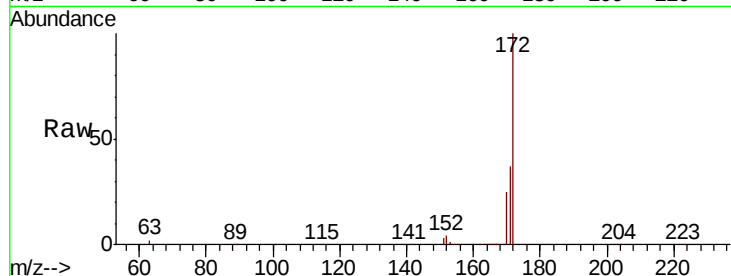




#15
2-Fluorobiphenyl
Concen: 116.981 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

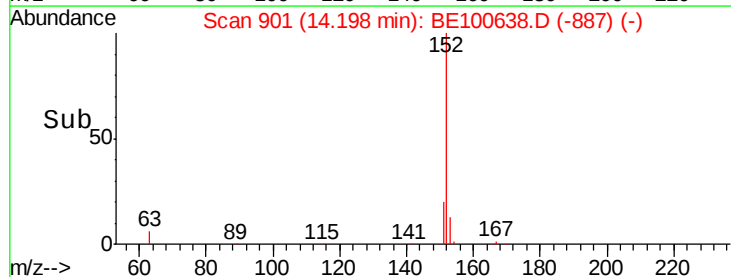
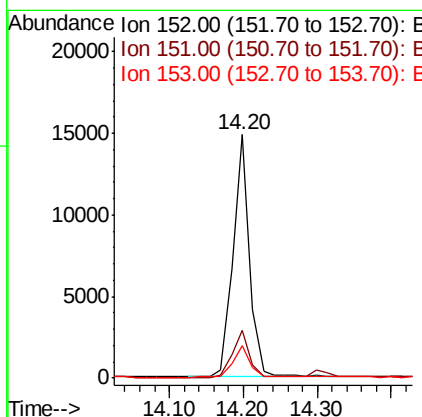
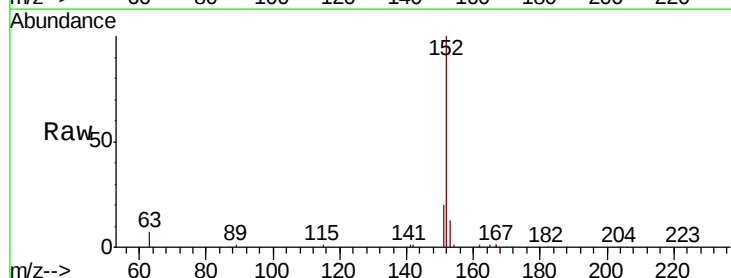
Instrument :
BNA_E
ClientSampleId :

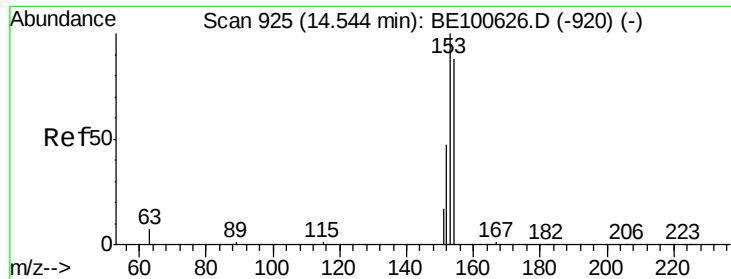
Tot Ion:172 Resp: 4633447
Ion Ratio Lower Upper
172 100
171 37.2 26.2 39.4
170 24.8 17.5 26.3



#16
Acenaphthylene
Concen: 0.497 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:152 Resp: 23270
Ion Ratio Lower Upper
152 100
151 19.7 15.6 23.4
153 13.1 10.5 15.7

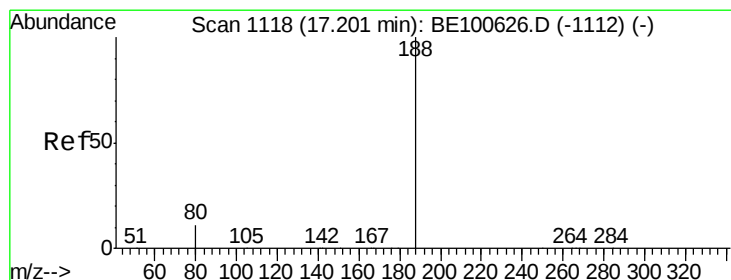
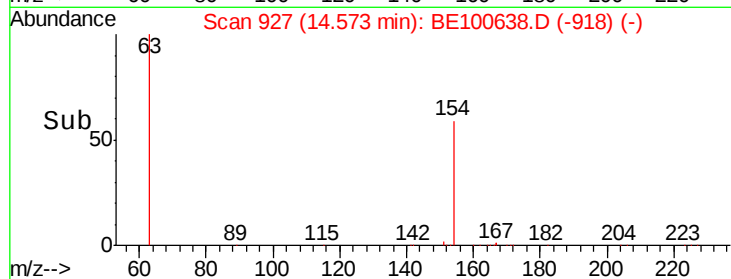
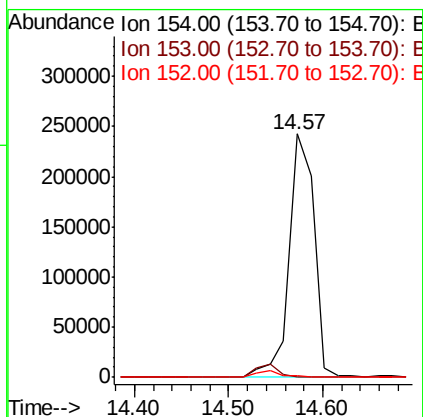
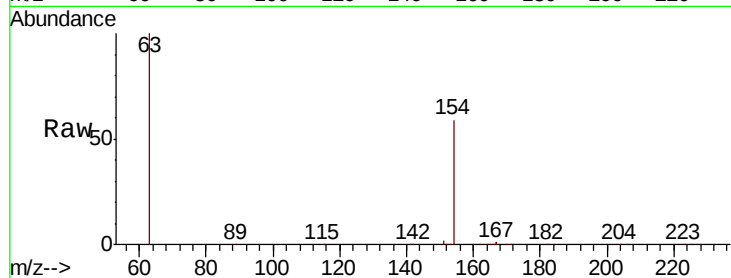




#17
Acenaphthene
Concen: 14.671 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.03 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

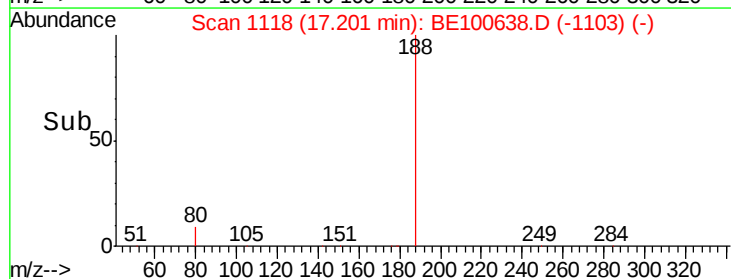
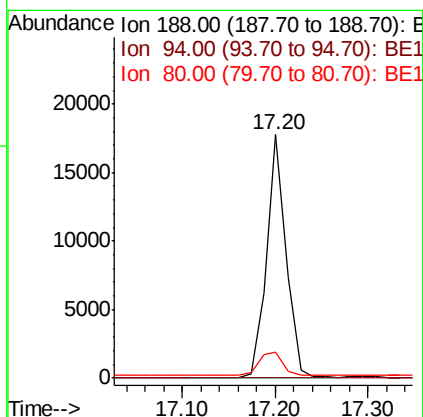
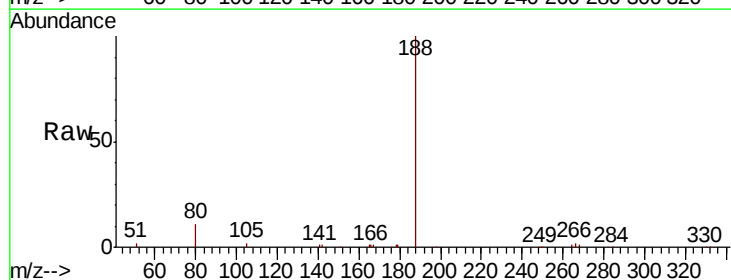
Instrument :
BNA_E
ClientSampleId :

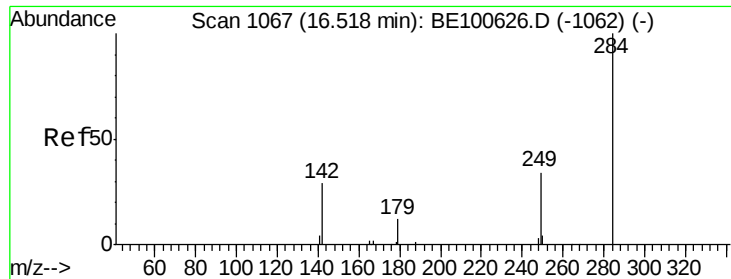
Tot Ion:154 Resp: 443514
Ion Ratio Lower Upper
154 100
153 0.0 91.4 137.2#
152 0.0 44.0 66.0#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:188 Resp: 25735
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 9.4 14.2

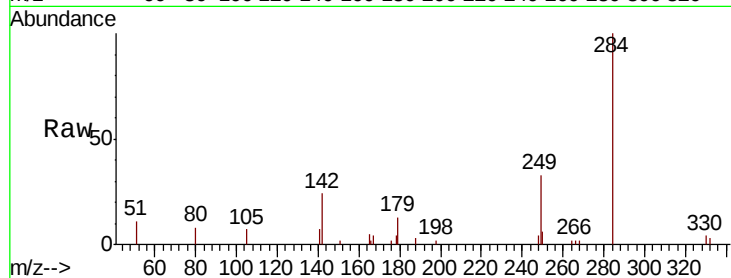




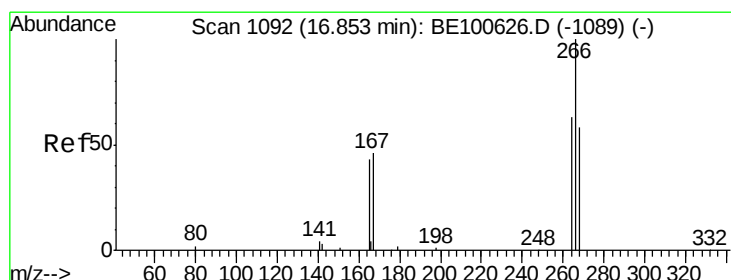
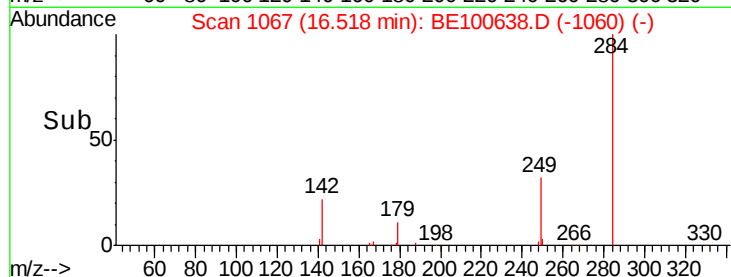
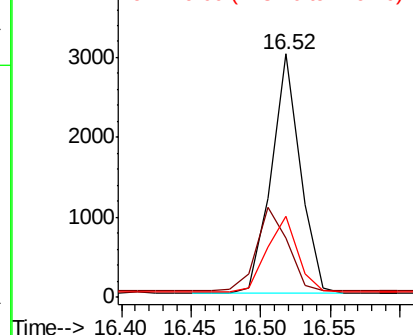
#21
Hexachlorobenzene
Concen: 0.348 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	37.7	29.8	44.8
249	33.0	27.3	40.9

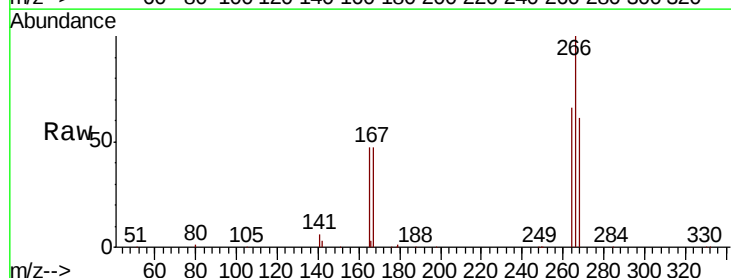


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

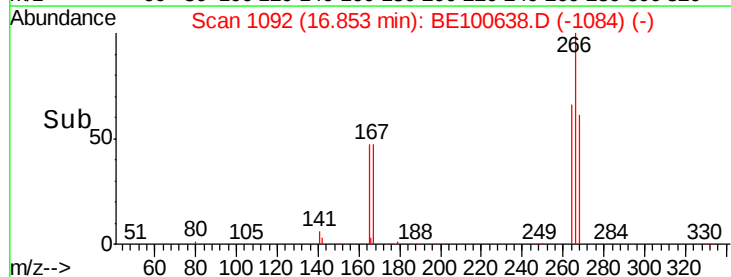
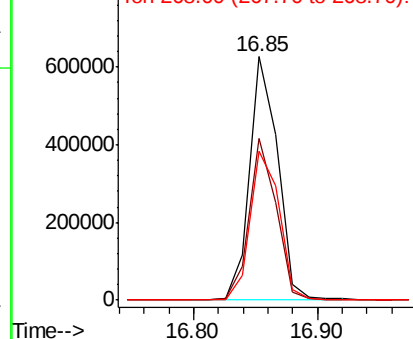


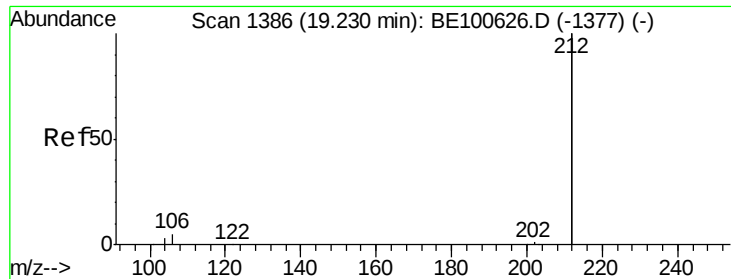
#22
Pentachlorophenol
Concen: 245.493 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.4	50.7	76.1
268	61.3	48.5	72.7



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





#25

Fluoranthene-d10

Concen: 0.014 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

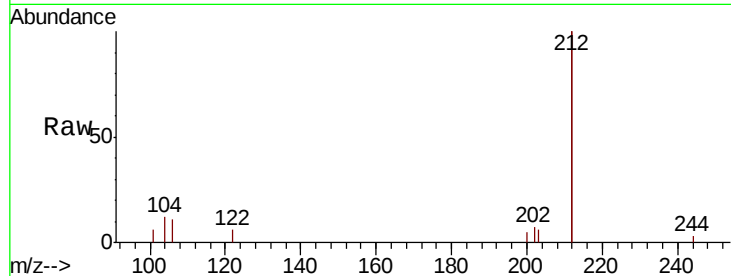
Tot Ion:212 Resp: 4532

Ion Ratio Lower Upper

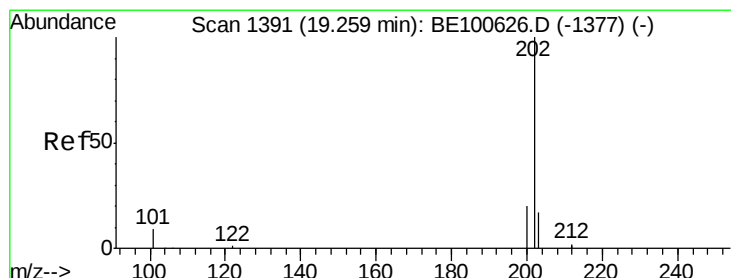
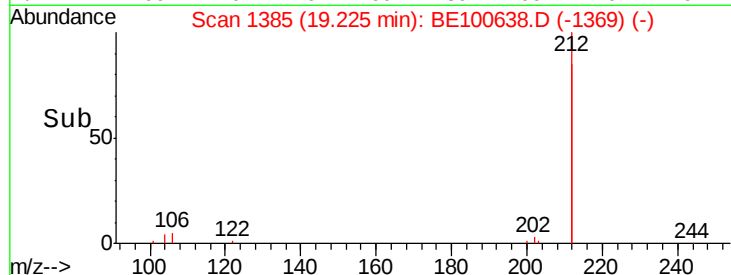
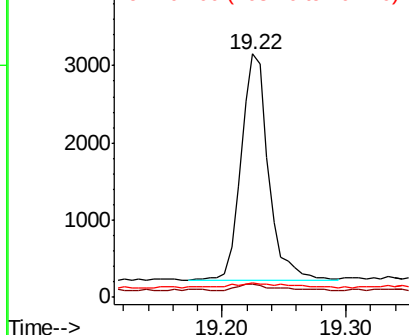
212 100

106 3.9 2.2 3.4#

104 3.7 1.3 1.9#



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: 0.241 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

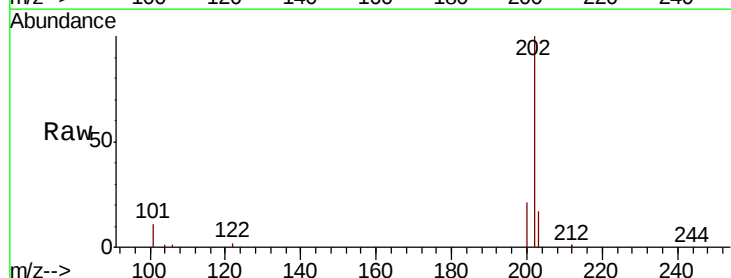
Tgt Ion:202 Resp: 22274

Ion Ratio Lower Upper

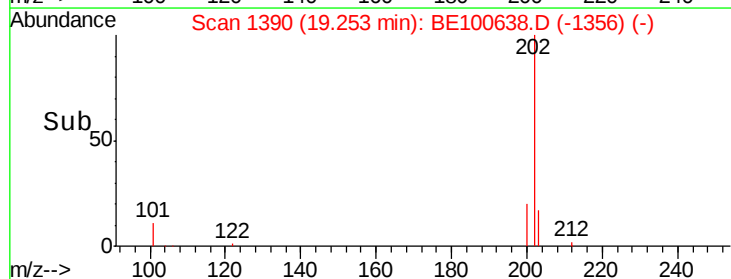
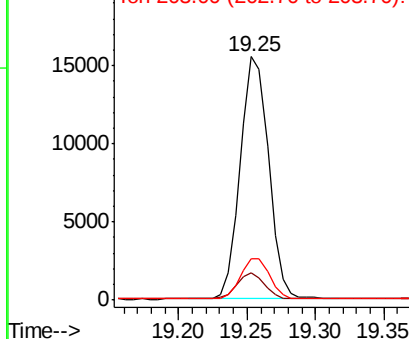
202 100

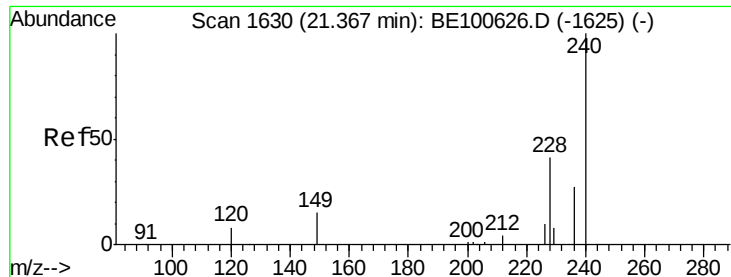
101 10.3 8.4 12.6

203 17.2 13.8 20.6



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

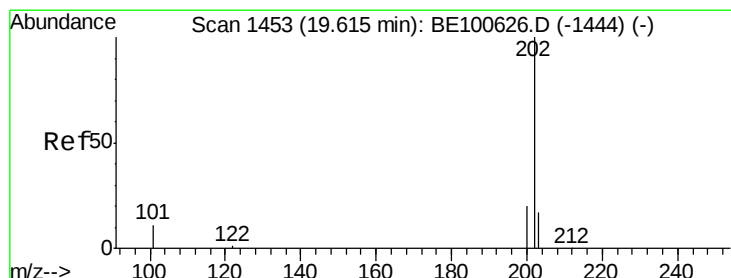
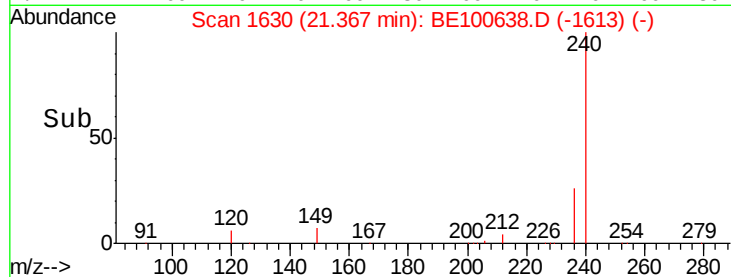
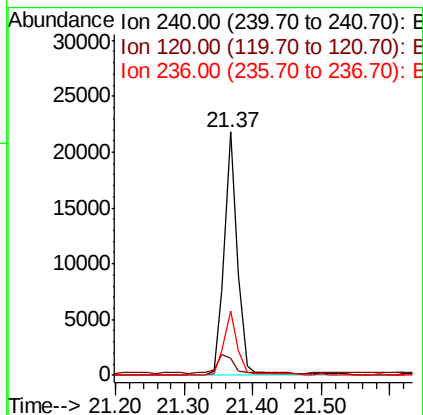
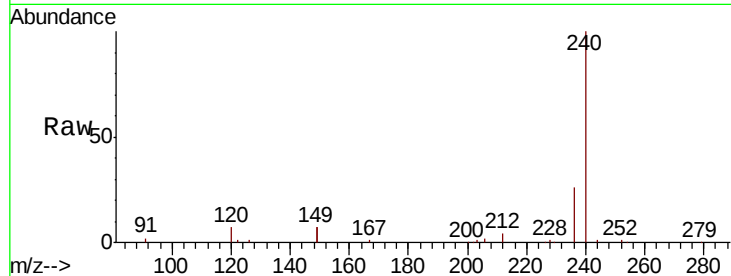




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

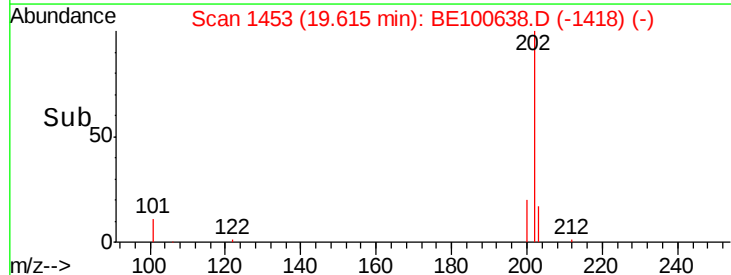
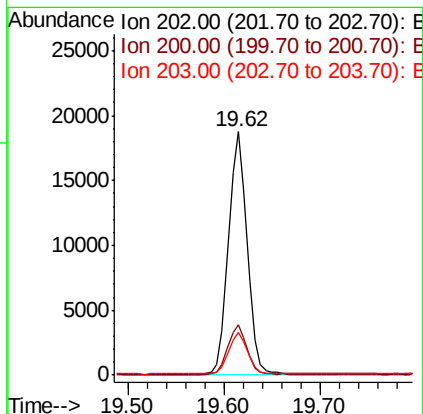
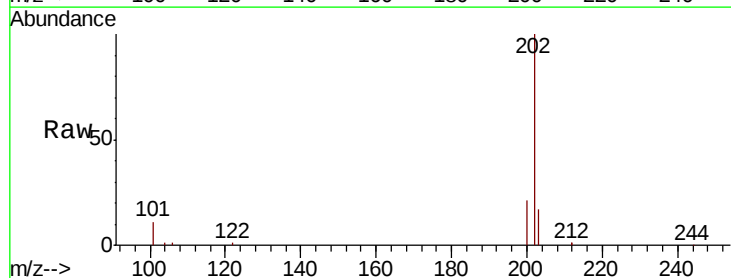
Instrument :
BNA_E
ClientSampleId :

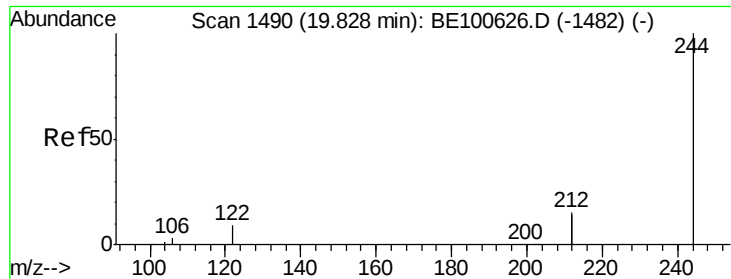
Tot Ion:240 Resp: 29204
Ion Ratio Lower Upper
240 100
120 6.9 7.4 11.0#
236 26.3 21.7 32.5



#28
Pyrene
Concen: 0.307 ng
RT: 19.62 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:202 Resp: 25082
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.6 13.9 20.9





#29

Terphenyl-d14

Concen: 108.718 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampled :

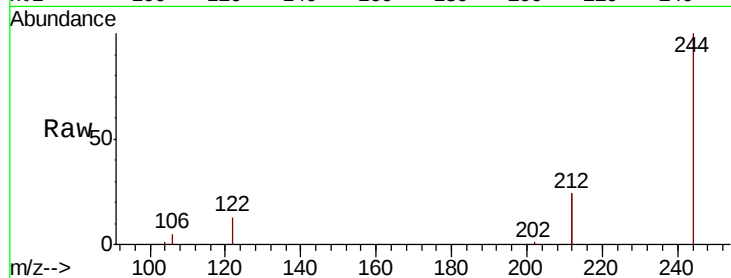
Tot Ion:244 Resp: 6941688

Ion Ratio Lower Upper

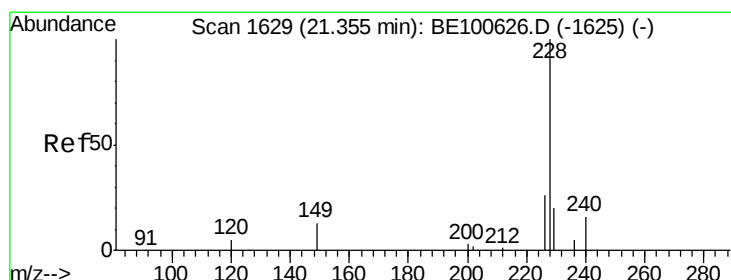
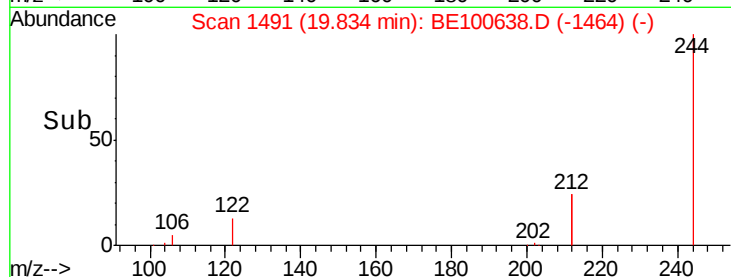
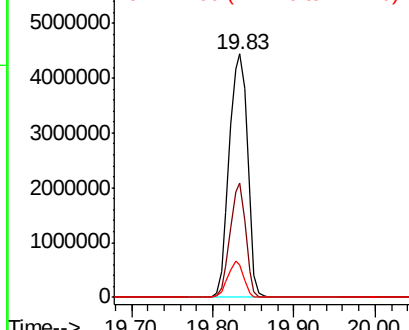
244 100

212 47.0 23.9 35.9#

122 13.5 7.7 11.5#



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: 0.122 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.05 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

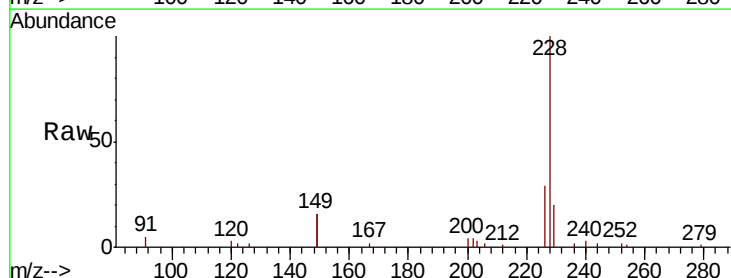
Tgt Ion:228 Resp: 11652

Ion Ratio Lower Upper

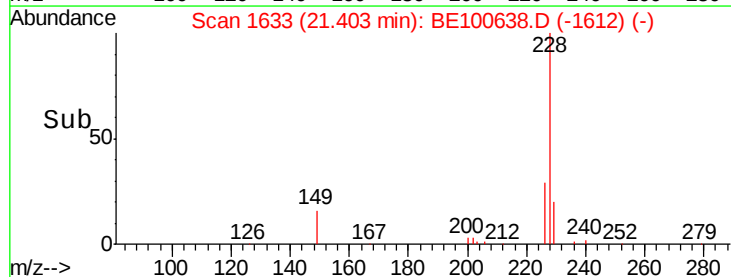
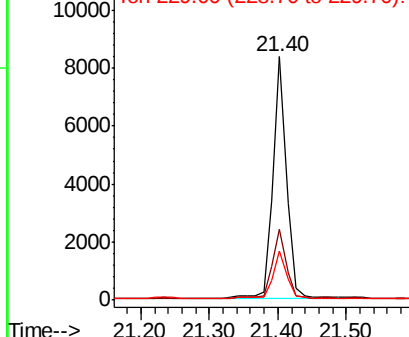
228 100

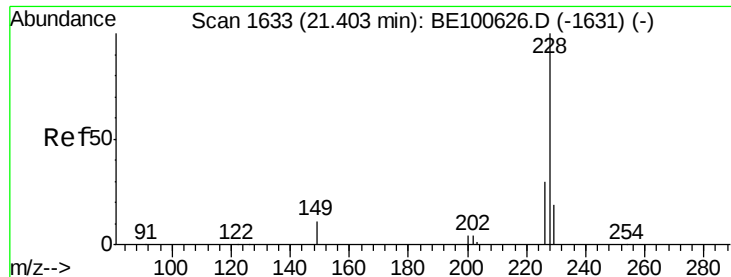
226 29.2 21.0 31.6

229 20.2 15.8 23.8



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

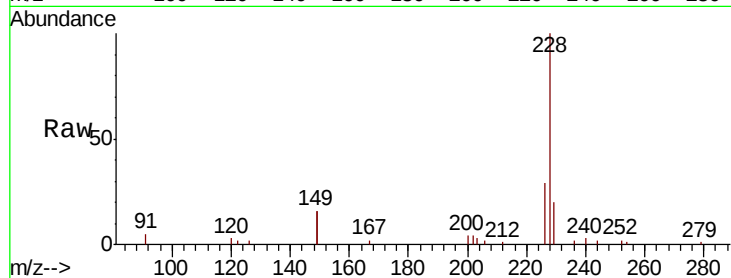




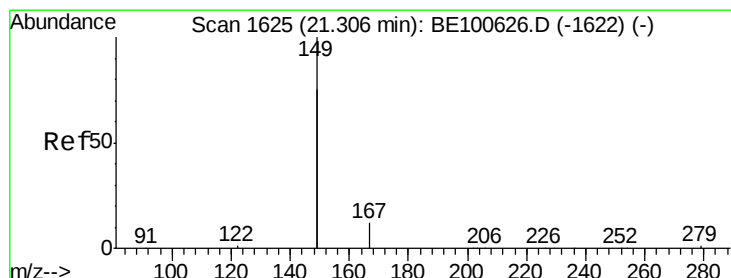
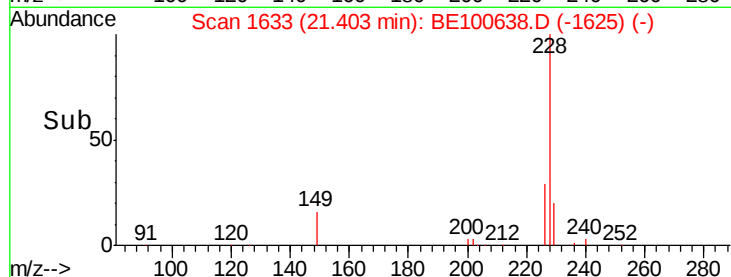
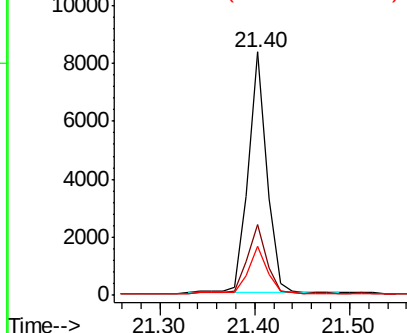
#31
 Chrysene
 Concen: 0.119 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 11344
 Ion Ratio Lower Upper
 228 100
 226 29.2 24.5 36.7
 229 20.2 15.6 23.4

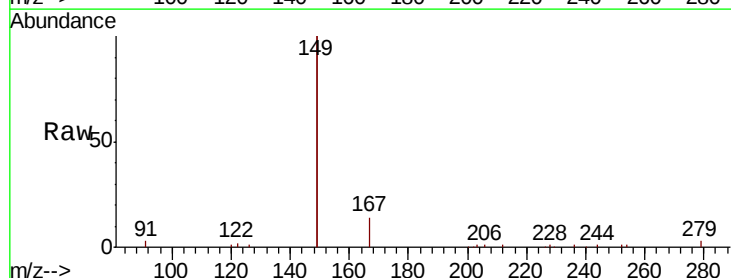


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

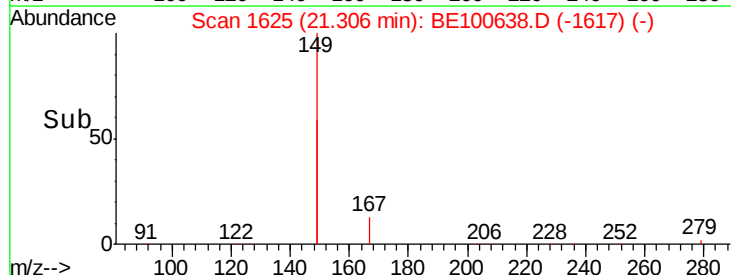
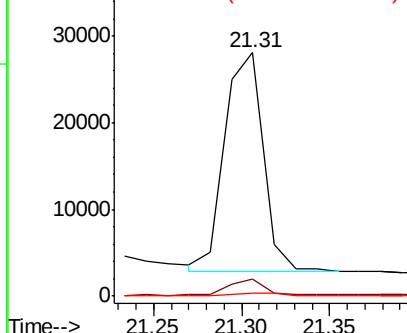


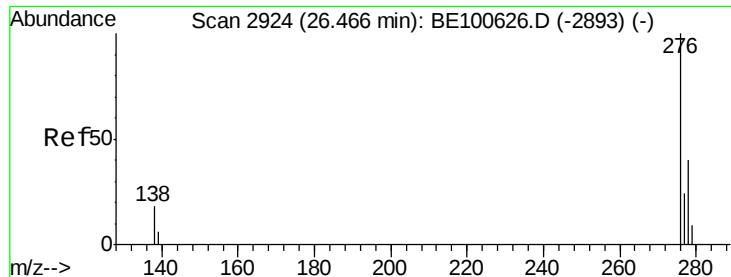
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.193 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

Tgt Ion:149 Resp: 38524
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.4 8.2
 279 1.1 1.5 2.3#



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

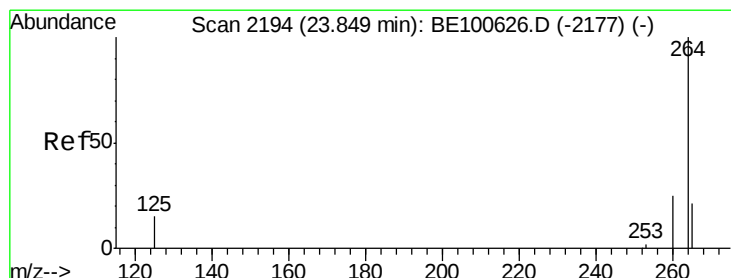
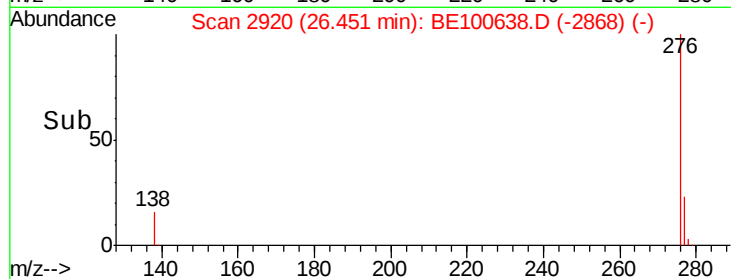
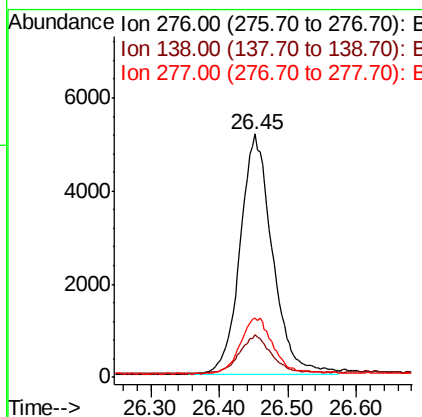
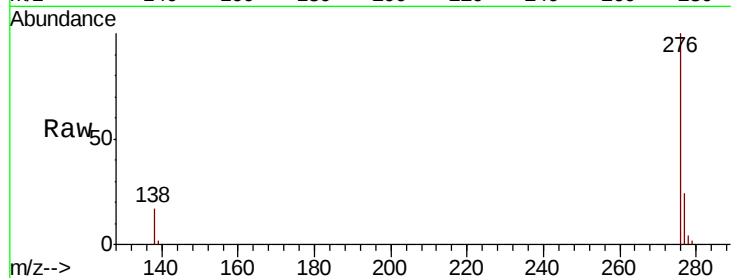




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.145 ng
RT: 26.45 min Scan# 2920
Delta R.T. -0.01 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

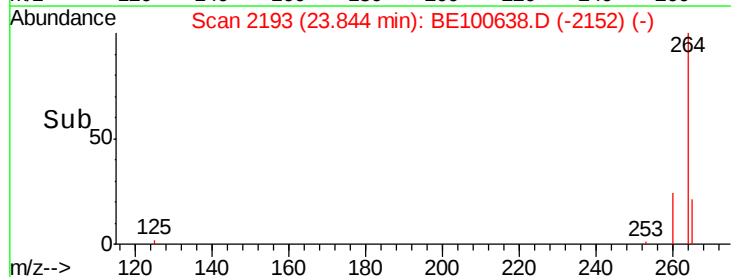
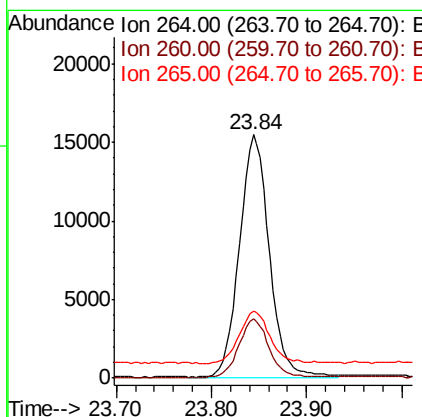
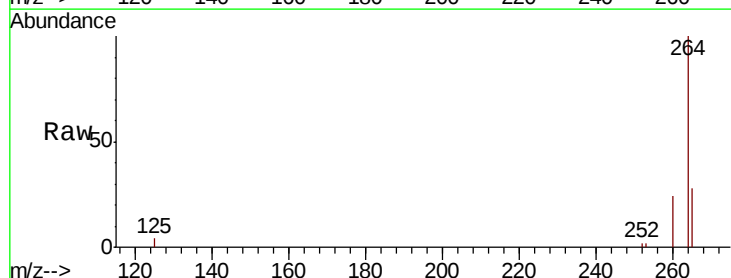
Instrument :
BNA_E
ClientSampleId :

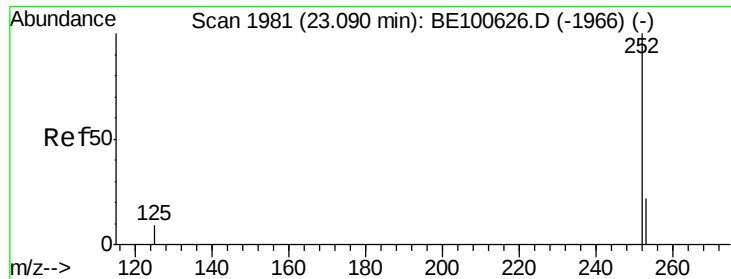
Tot Ion:276 Resp: 16919
Ion Ratio Lower Upper
276 100
138 15.6 16.0 24.0#
277 23.3 19.7 29.5



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:264 Resp: 33495
Ion Ratio Lower Upper
264 100
260 24.2 19.9 29.9
265 27.6 20.0 30.0





#35

Benzo(b)fluoranthene

Concen: 0.366 ng

RT: 23.13 min Scan# 1994

Delta R.T. 0.04 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

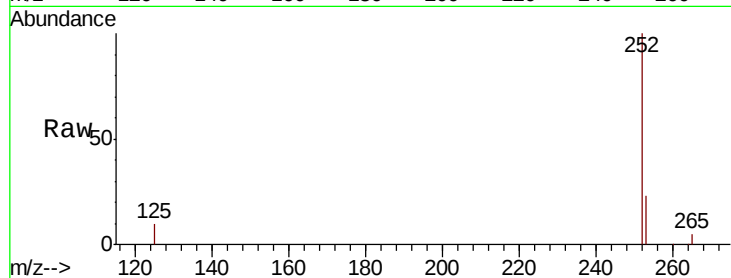
Tot Ion:252 Resp: 35717

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

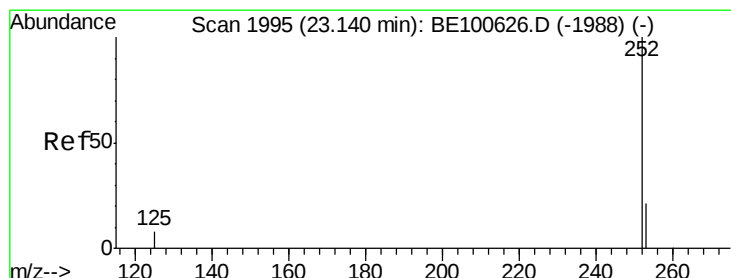
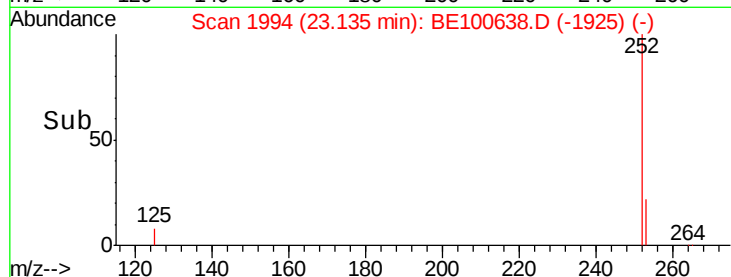
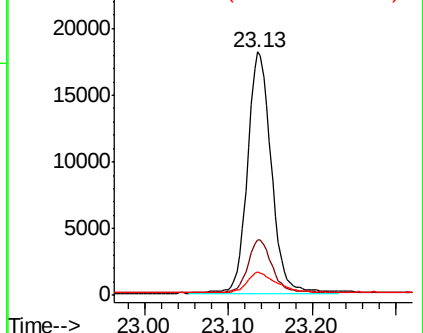
125 9.6 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 0.356 ng

RT: 23.13 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

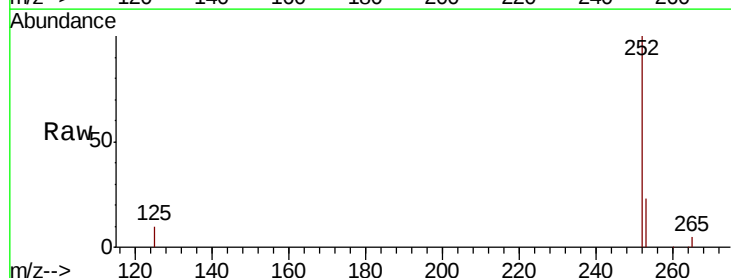
Tgt Ion:252 Resp: 35717

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

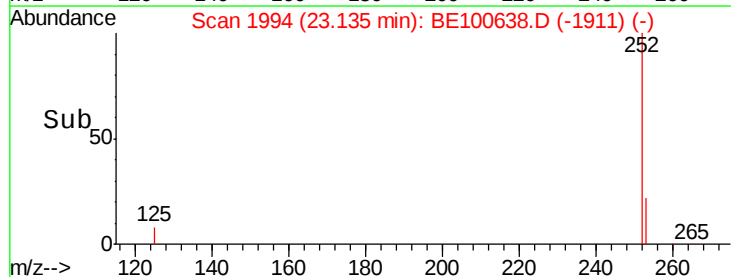
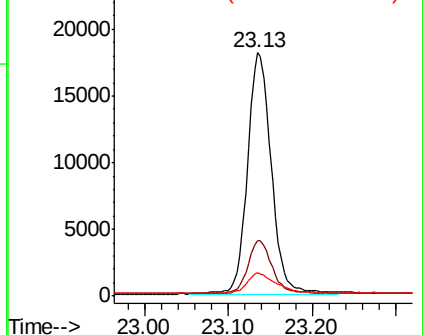
125 9.6 7.6 11.4

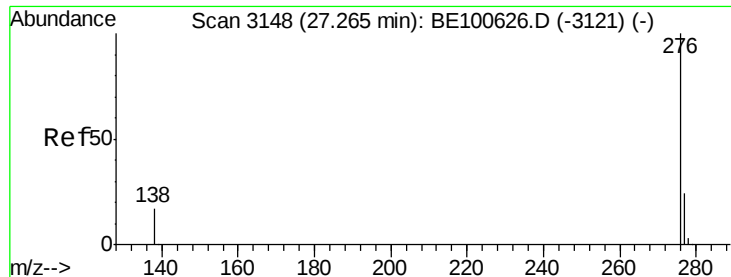


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.273 ng

RT: 27.25 min Scan# 3144

Delta R.T. -0.01 min

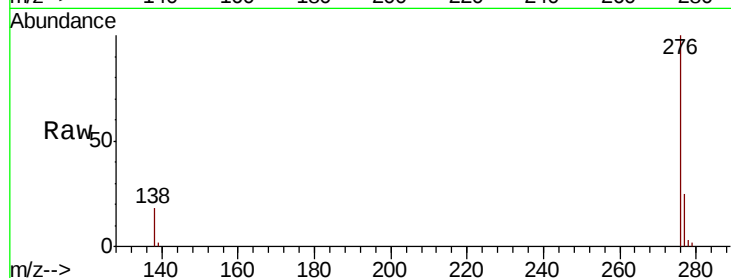
Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 25767

Ion Ratio Lower Upper

276 100

277 25.3 19.3 28.9

138 17.8 14.5 21.7

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

