

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100897.D
 Acq On : 13 Dec 2019 22:13
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 14 03:07:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4964	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	23210	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13023	0.40	ng	0.01
19) Phenanthrene-d10	17.12	188	29406	0.40	ng	0.00
27) Chrysene-d12	21.31	240	26194	0.40	ng	0.00
34) Perylene-d12	23.74	264	32156	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	5089	0.43	ng	0.00
5) Phenol-d6	6.93	99	7739	0.44	ng	0.00
8) Nitrobenzene-d5	8.90	82	5817	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	12851	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	821	0.57	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	19026	0.37	ng	0.00
25) Fluoranthene-d10	19.16	212	113183	0.33	ng	0.00
29) Terphenyl-d14	19.76	244	24418	0.39	ng	0.00

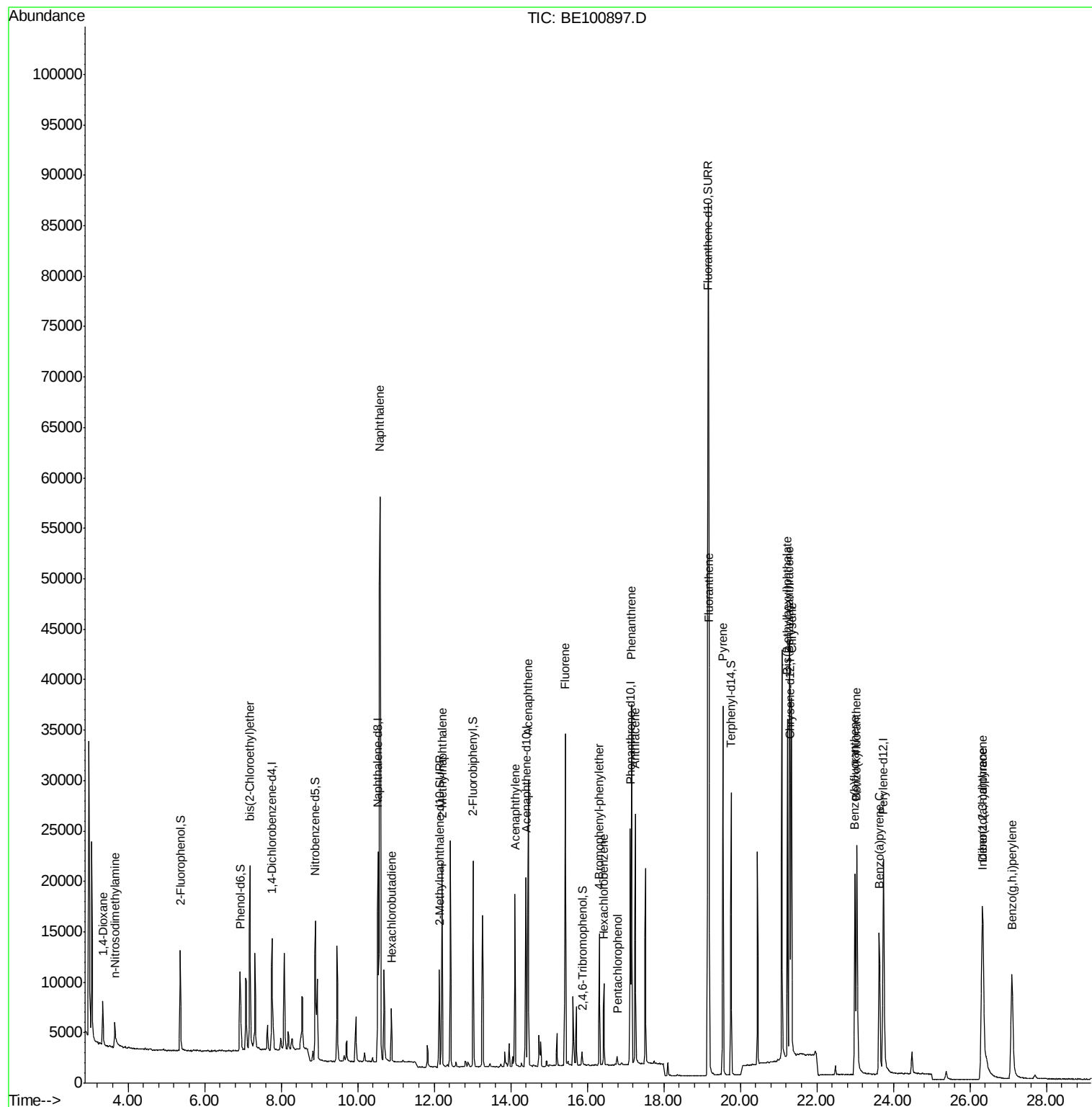
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3673	0.406	ng	100
3) n-Nitrosodimethylamine	3.65	42	2986	0.405	ng	# 92
6) bis(2-Chloroethyl)ether	7.19	93	6704	0.390	ng	96
9) Naphthalene	10.59	128	95130	0.386	ng	99
10) Hexachlorobutadiene	10.89	225	3609	0.375	ng	98
12) 2-Methylnaphthalene	12.21	142	14562	0.378	ng	98
16) Acenaphthylene	14.11	152	19368	0.360	ng	99
17) Acenaphthene	14.46	154	13949	0.376	ng	99
18) Fluorene	15.42	166	17930	0.374	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	5163	0.358	ng	93
21) Hexachlorobenzene	16.44	284	5966	0.381	ng	99
22) Pentachlorophenol	16.79	266	567	0.523	ng	93
23) Phenanthrene	17.16	178	33743	0.379	ng	99
24) Anthracene	17.25	178	25869	0.347	ng	99
26) Fluoranthene	19.18	202	35016	0.329	ng	99
28) Pyrene	19.55	202	34220	0.402	ng	100
30) Benzo(a)anthracene	21.28	228	30284	0.392	ng	99
31) Chrysene	21.34	228	35280	0.389	ng	96
32) Bis(2-ethylhexyl)phthalate	21.23	149	34954	0.636	ng	100
33) Indeno(1,2,3-cd)pyrene	26.32	276	31796	0.402	ng	# 86
35) Benzo(b)fluoranthene	23.00	252	28687	0.326	ng	99
36) Benzo(k)fluoranthene	23.05	252	35974	0.364	ng	98
37) Benzo(a)pyrene	23.63	252	24415	0.320	ng	99
38) Dibenzo(a,h)anthracene	26.34	278	25791	0.340	ng	98
39) Benzo(g,h,i)perylene	27.10	276	27995	0.345	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
Data File : BE100897.D
Acq On : 13 Dec 2019 22:13
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 14 03:07:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration



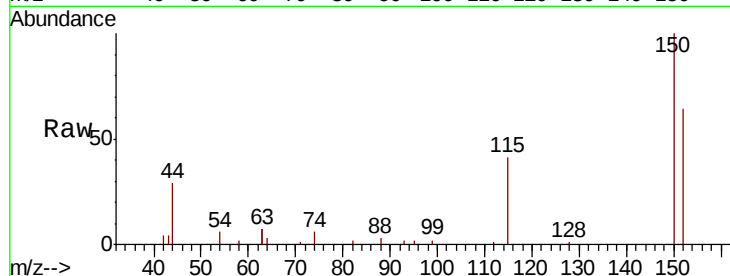


#1

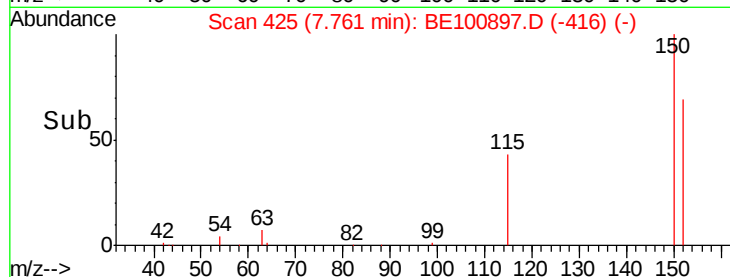
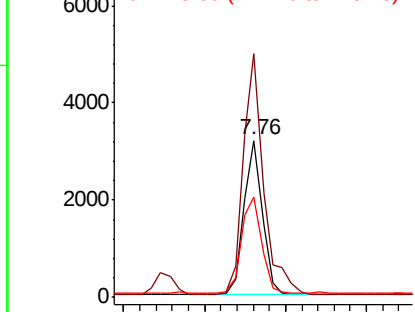
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4964
Ion Ratio Lower Upper
152 100
150 155.5 125.5 188.3
115 64.1 55.7 83.5



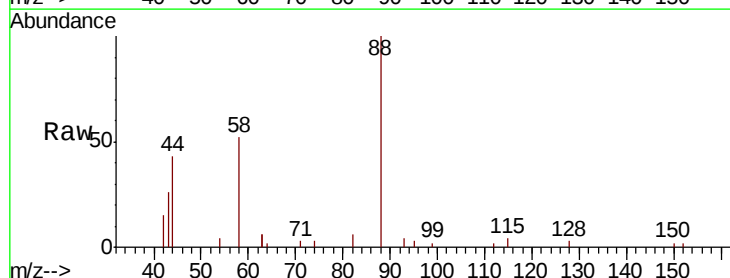
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



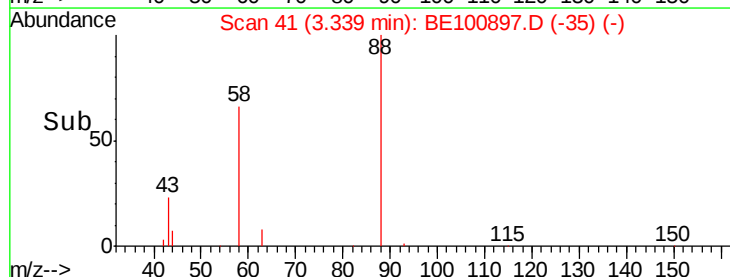
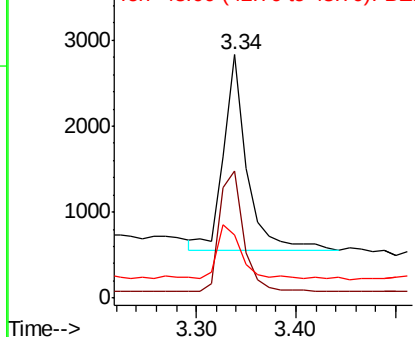
#2

1,4-Dioxane
Concen: 0.406 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion: 88 Resp: 3673
Ion Ratio Lower Upper
88 100
58 65.0 52.3 78.5
43 29.2 23.5 35.3



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: 0.405 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

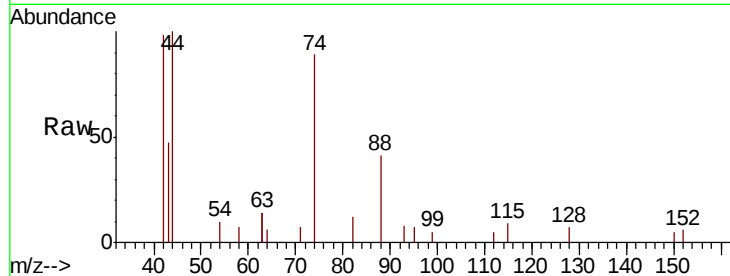
Tot Ion: 42 Resp: 2986

Ion Ratio Lower Upper

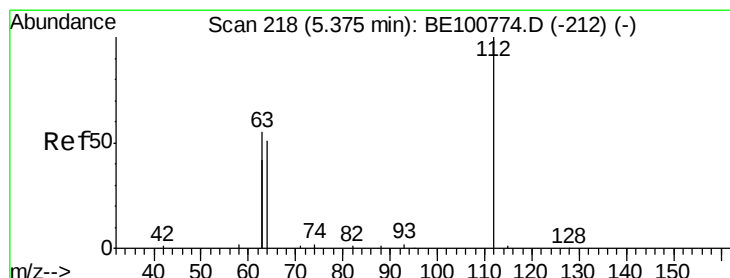
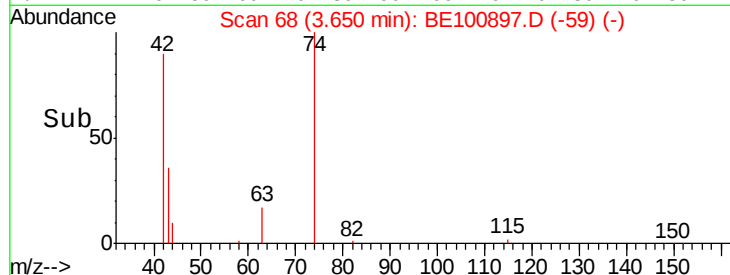
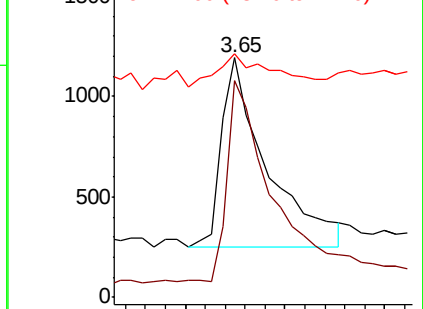
42 100

74 105.8 90.3 135.5

44 20.7 9.0 13.4#



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: 0.432 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

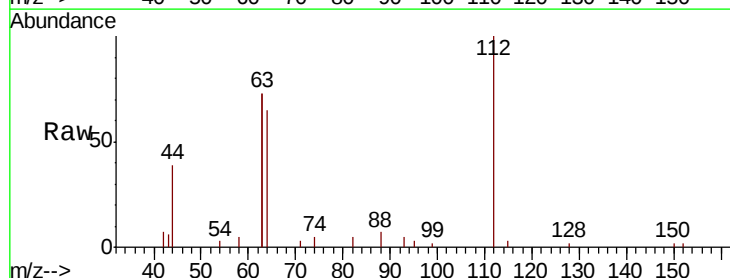
Tgt Ion: 112 Resp: 5089

Ion Ratio Lower Upper

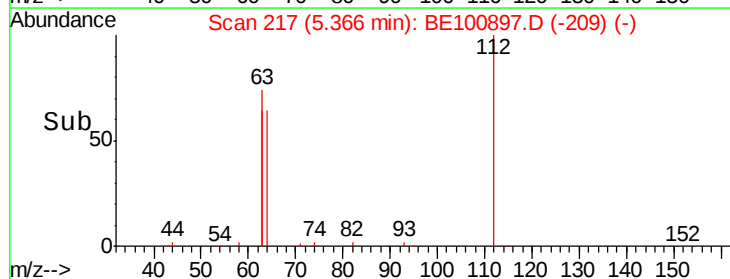
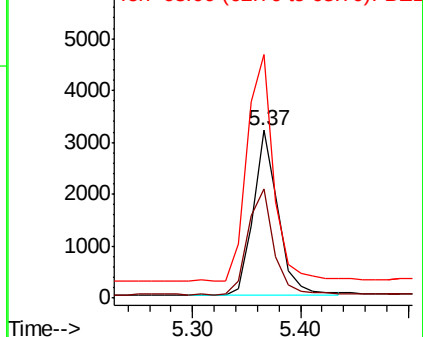
112 100

64 67.5 54.5 81.7

63 147.2 116.1 174.1



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: 0.435 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

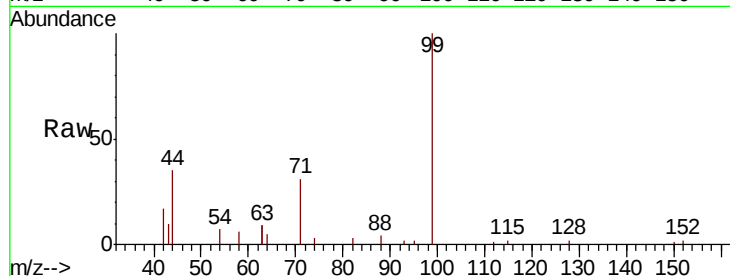
Tot Ion: 99 Resp: 7739

Ion Ratio Lower Upper

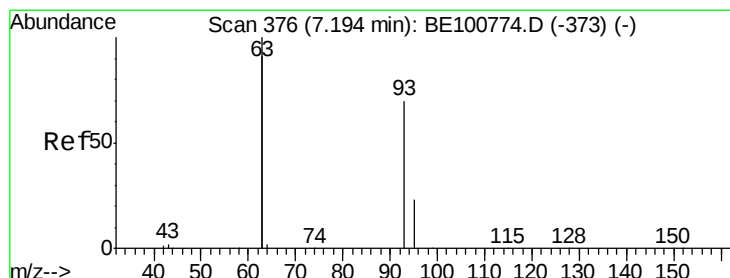
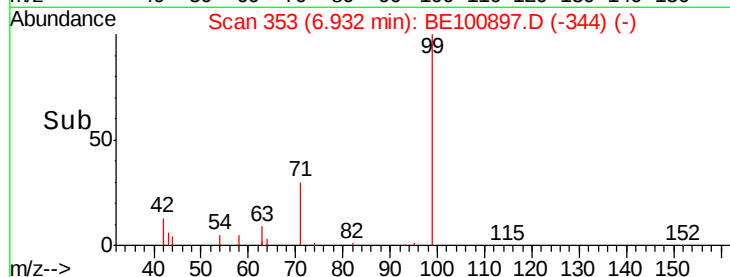
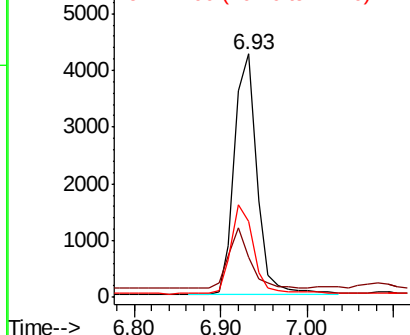
99 100

42 22.8 18.2 27.2

71 36.3 29.1 43.7



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: 0.390 ng

RT: 7.19 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

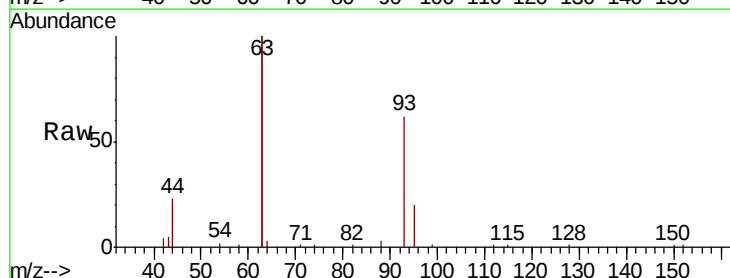
Tgt Ion: 93 Resp: 6704

Ion Ratio Lower Upper

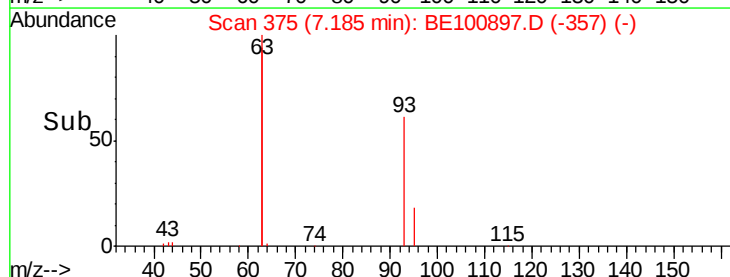
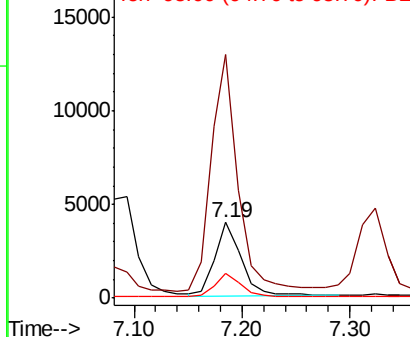
93 100

63 326.2 253.9 380.9

95 32.2 25.0 37.6



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: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 23210

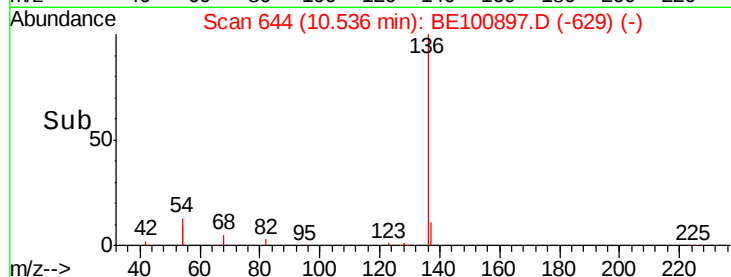
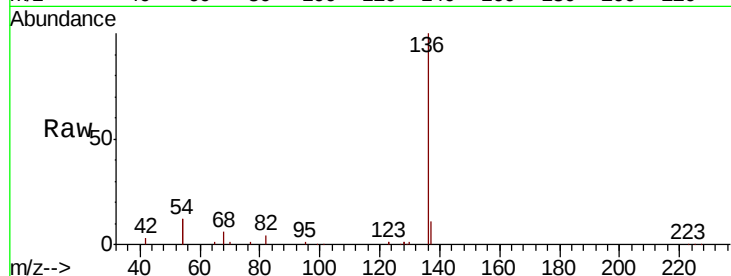
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 24.9 18.9 28.3

68 5.7 4.6 6.8

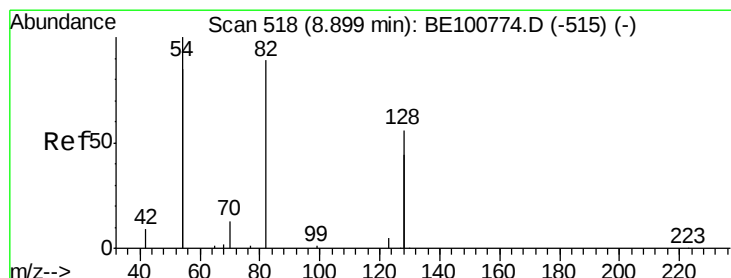
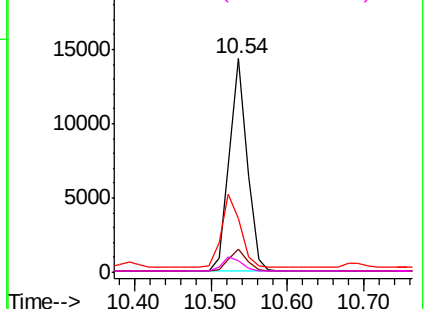


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.526 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

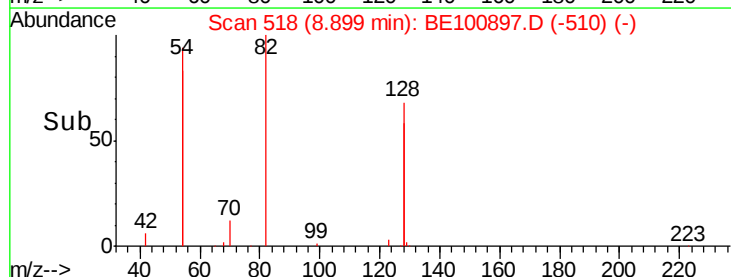
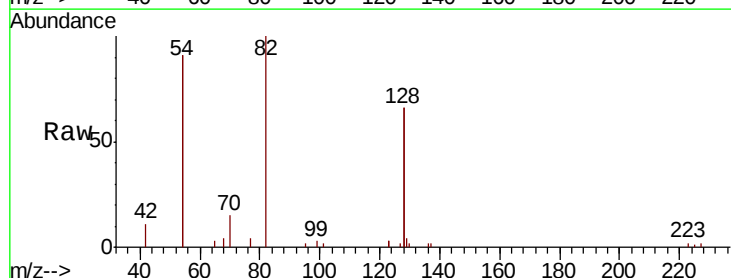
Tgt Ion: 82 Resp: 5817

Ion Ratio Lower Upper

82 100

128 131.6 113.5 170.3

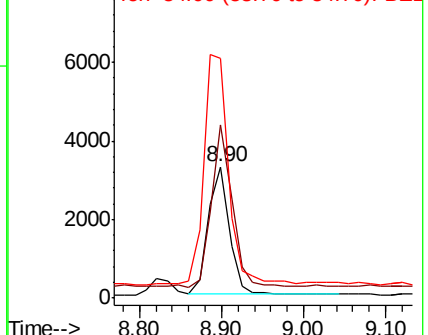
54 182.4 138.9 208.3

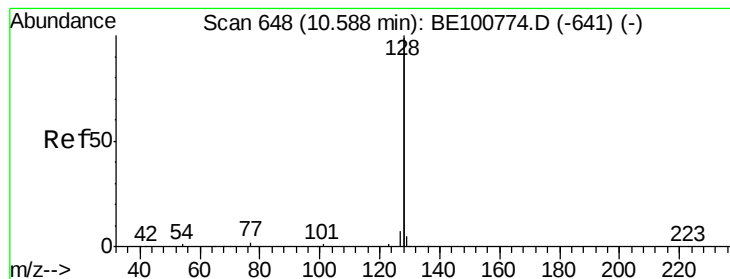


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.386 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.01 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

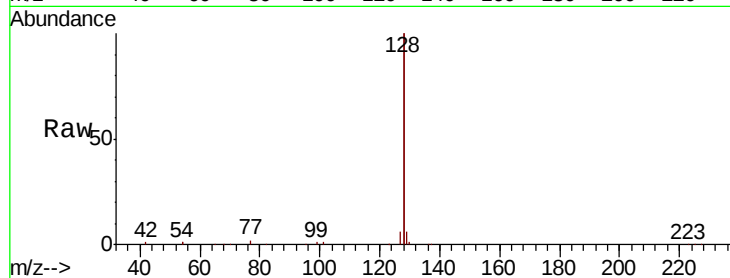
Tot Ion:128 Resp: 95130

Ion Ratio Lower Upper

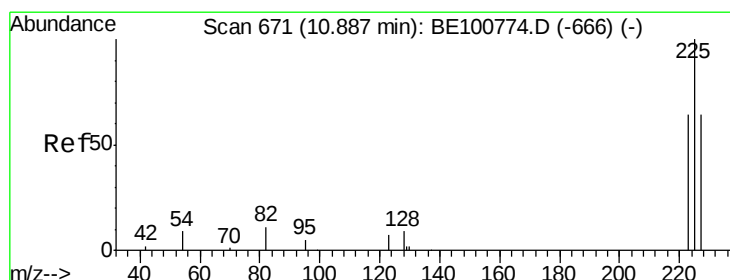
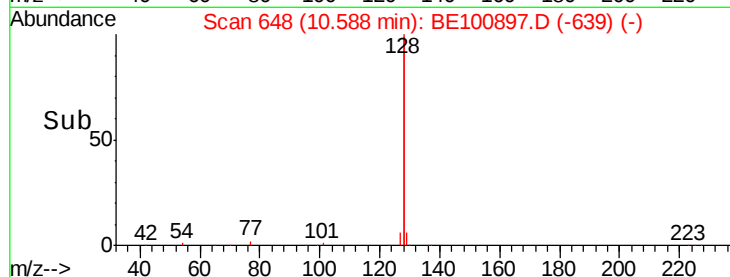
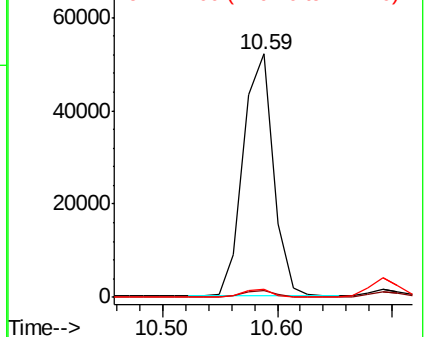
128 100

129 2.9 2.2 3.4

127 3.2 2.8 4.2



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: 0.375 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

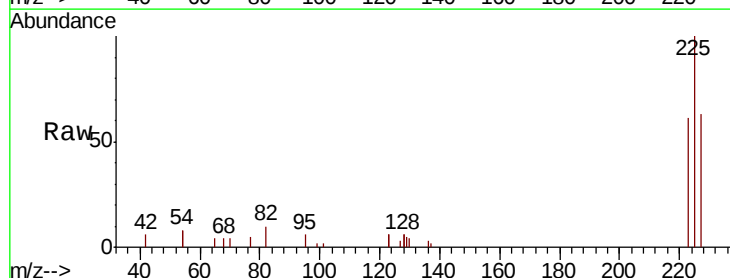
Tgt Ion:225 Resp: 3609

Ion Ratio Lower Upper

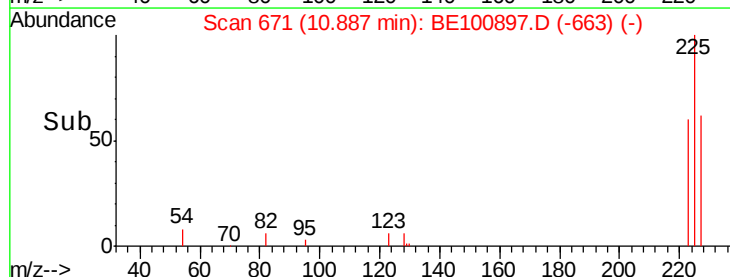
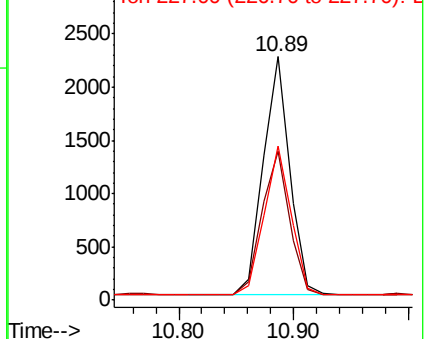
225 100

223 62.6 52.1 78.1

227 64.3 51.1 76.7



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

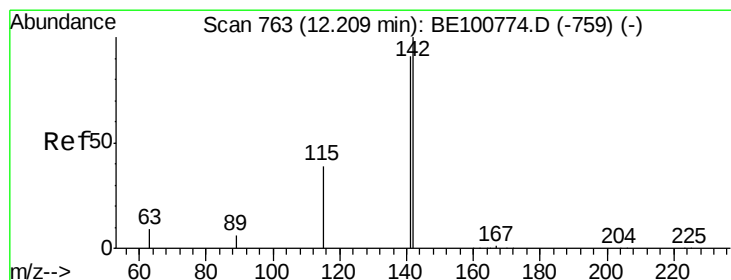
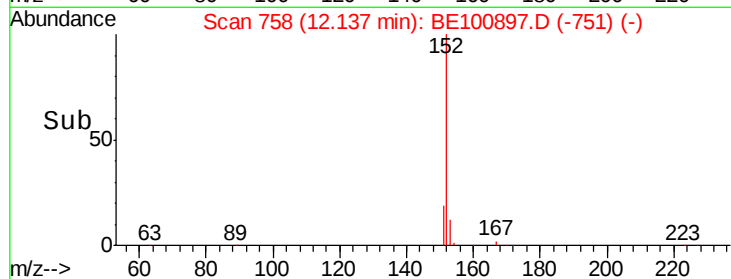
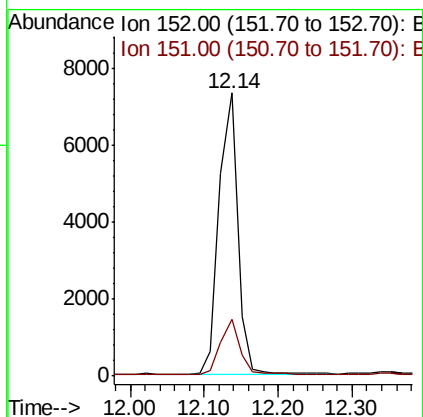
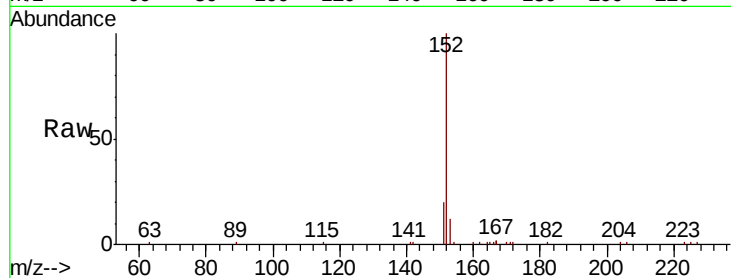




#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

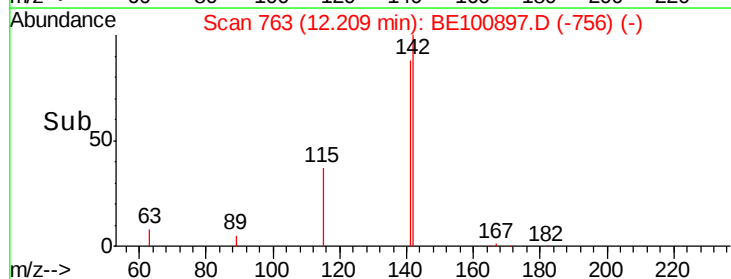
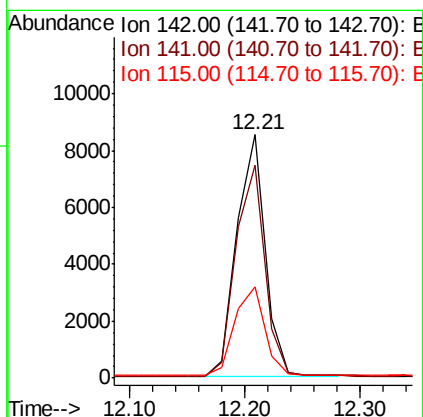
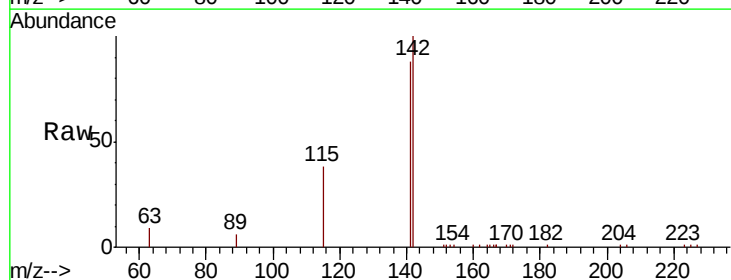
Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 12851
Ion Ratio Lower Upper
152 100
151 19.5 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.378 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:142 Resp: 14562
Ion Ratio Lower Upper
142 100
141 87.7 68.9 103.3
115 37.7 29.5 44.3

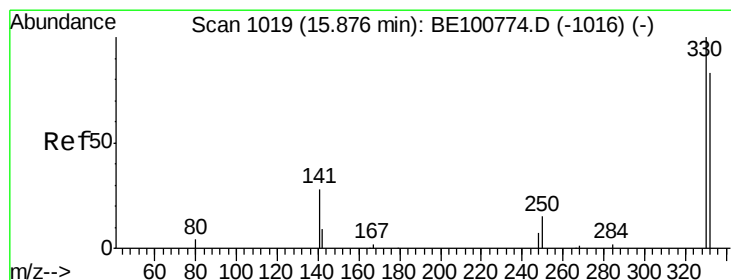
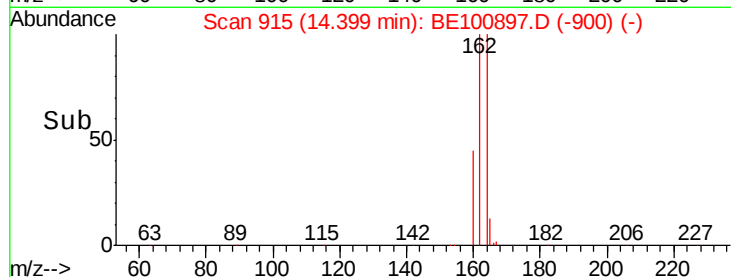
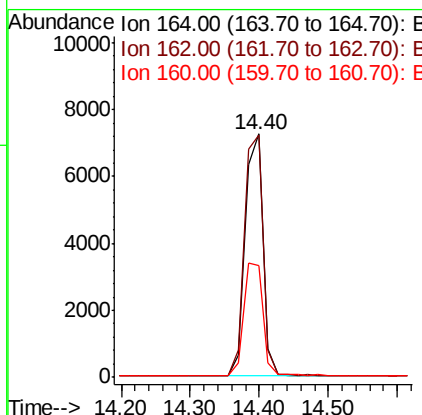
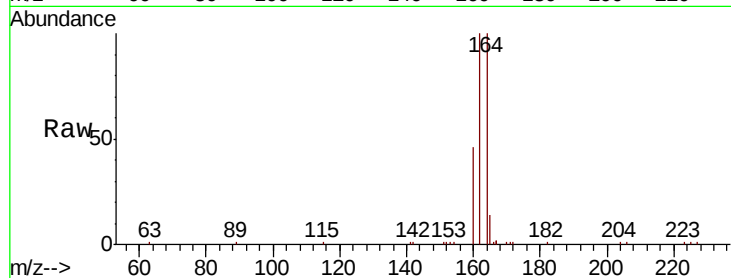




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.01 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

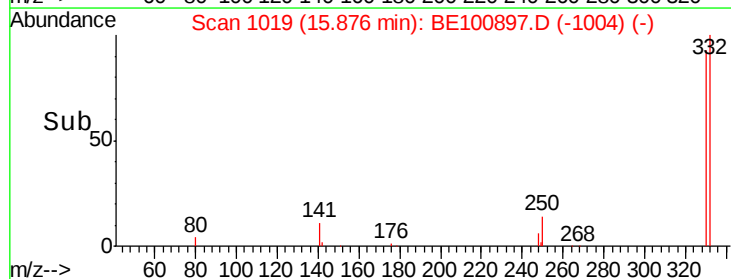
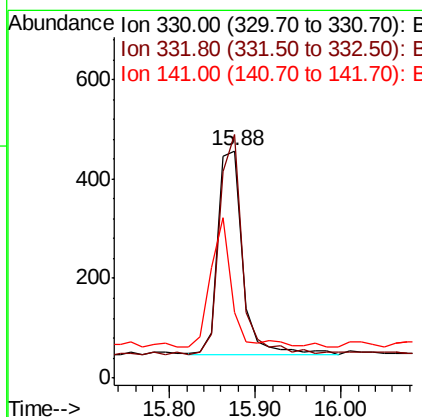
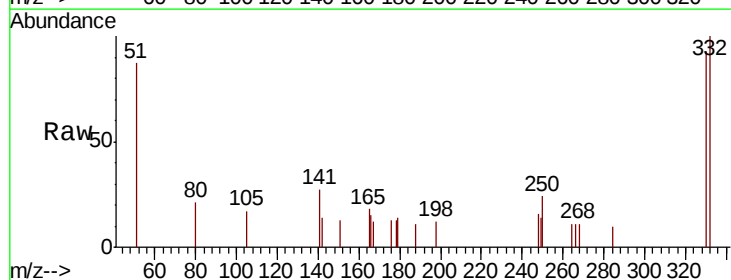
Instrument :
BNA_E
ClientSampleId :

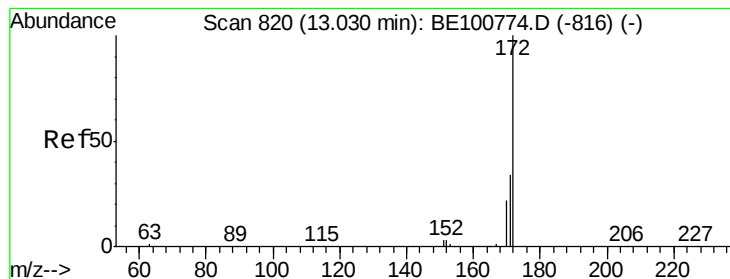
Tot Ion:164 Resp: 13023
Ion Ratio Lower Upper
164 100
162 99.5 86.0 129.0
160 45.8 42.3 63.5



#14
2,4,6-Tribromophenol
Concen: 0.567 ng
RT: 15.88 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:330 Resp: 821
Ion Ratio Lower Upper
330 100
332 100.4 74.1 111.1
141 51.3 46.7 70.1





#15

2-Fluorobiphenyl

Concen: 0.368 ng

RT: 13.02 min Scan# 819

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

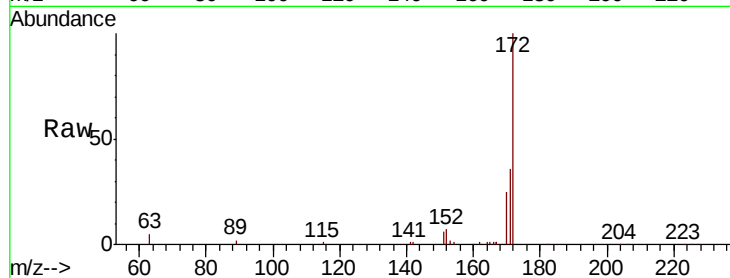
Tot Ion:172 Resp: 19026

Ion Ratio Lower Upper

172 100

171 36.4 28.2 42.4

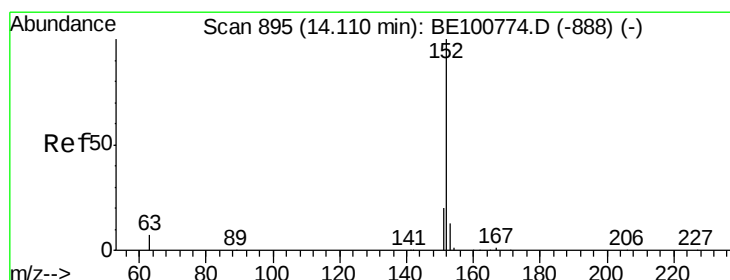
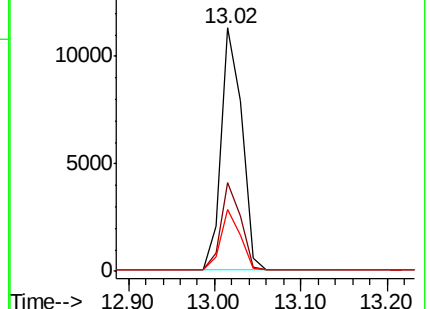
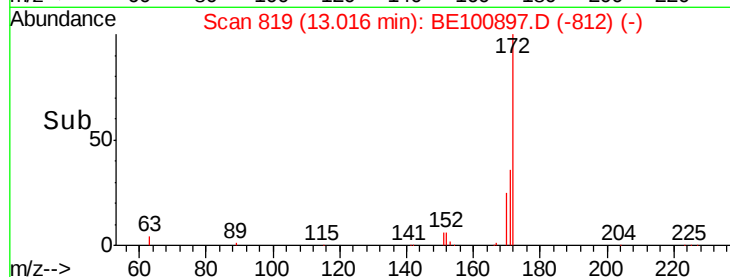
170 25.4 19.4 29.0



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: 0.360 ng

RT: 14.11 min Scan# 895

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

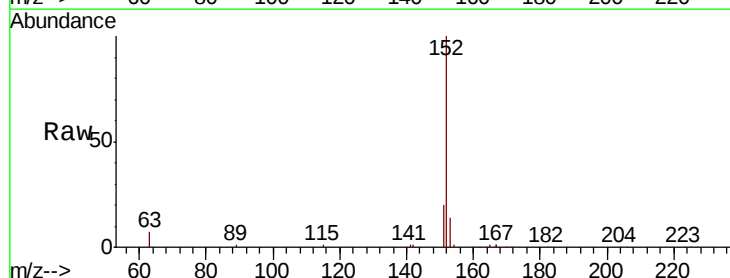
Tgt Ion:152 Resp: 19368

Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

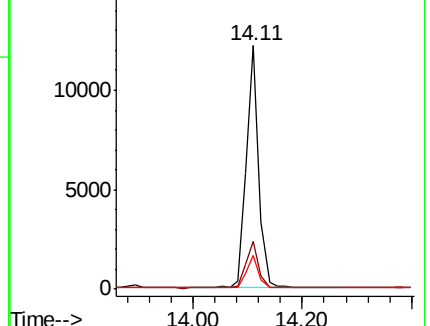
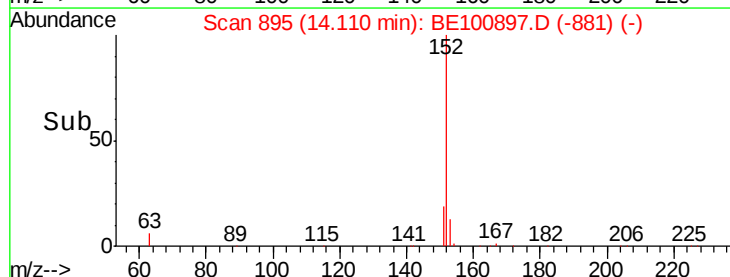
153 13.4 10.5 15.7



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: 0.376 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampled :

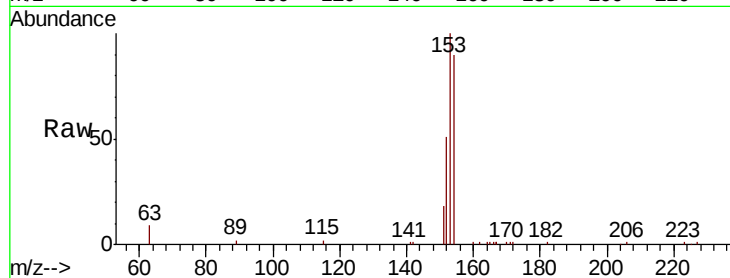
Tot Ion:154 Resp: 13949

Ion Ratio Lower Upper

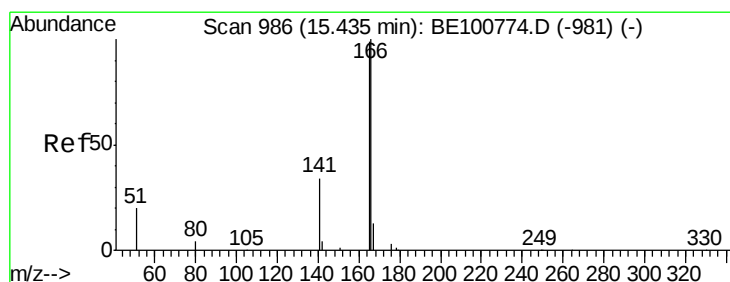
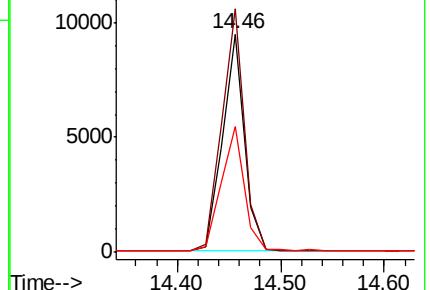
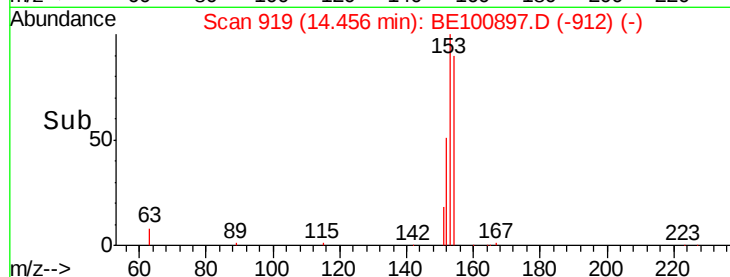
154 100

153 113.9 91.5 137.3

152 60.1 47.7 71.5



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: 0.374 ng

RT: 15.42 min Scan# 985

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

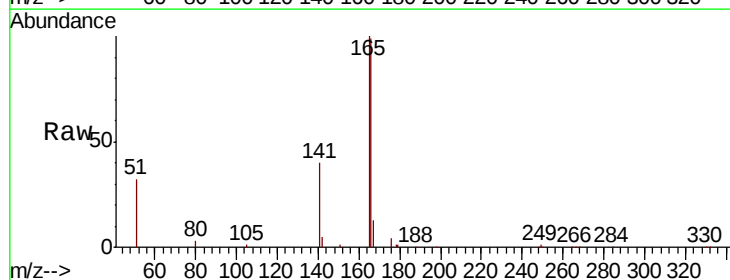
Tgt Ion:166 Resp: 17930

Ion Ratio Lower Upper

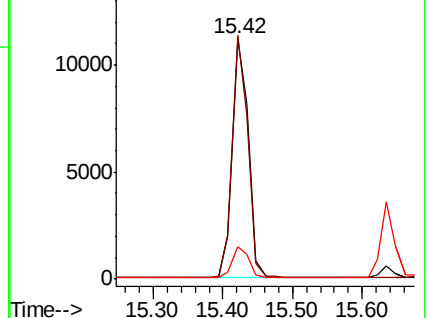
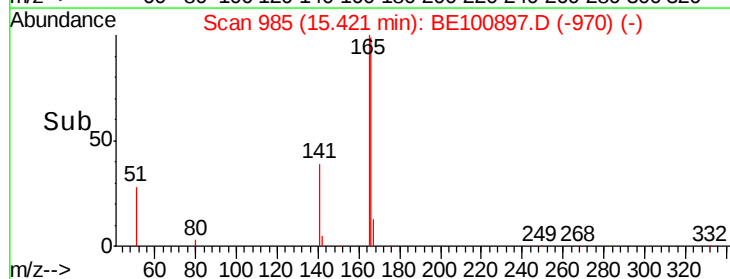
166 100

165 97.9 80.2 120.4

167 13.3 10.6 16.0



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

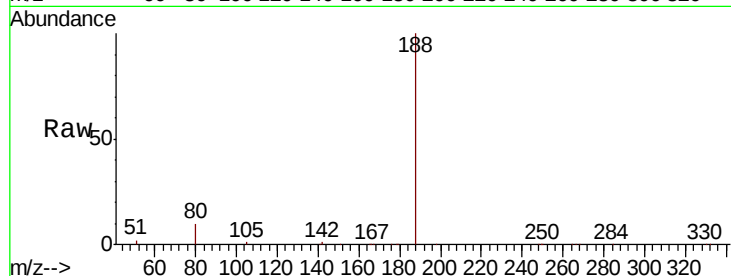
Tot Ion:188 Resp: 29406

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

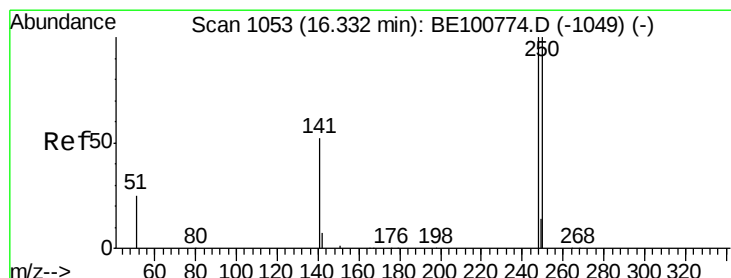
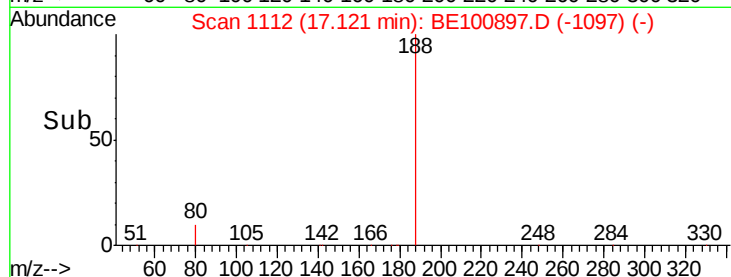
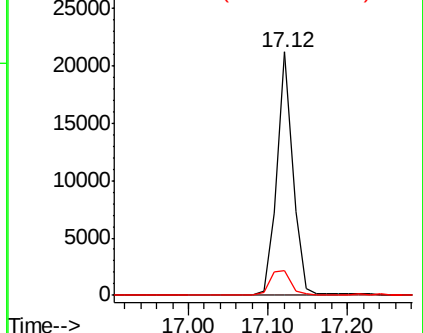
80 10.1 7.9 11.9



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: 0.358 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

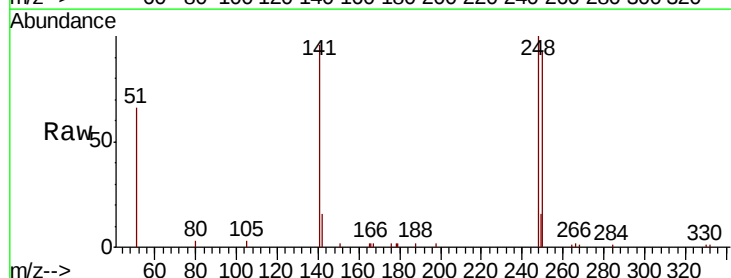
Tgt Ion:248 Resp: 5163

Ion Ratio Lower Upper

248 100

250 92.6 72.4 108.6

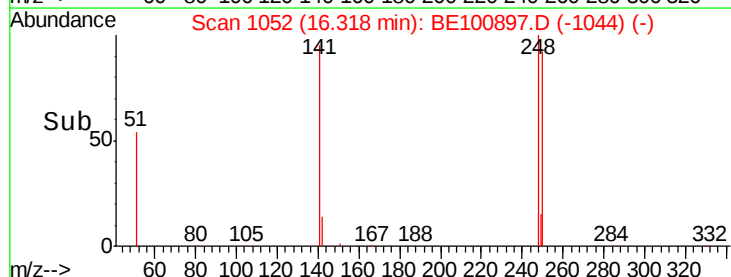
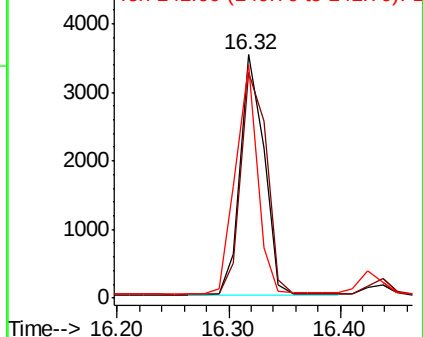
141 96.0 68.2 102.2



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

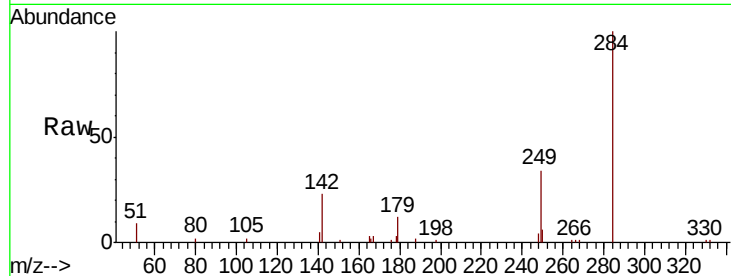




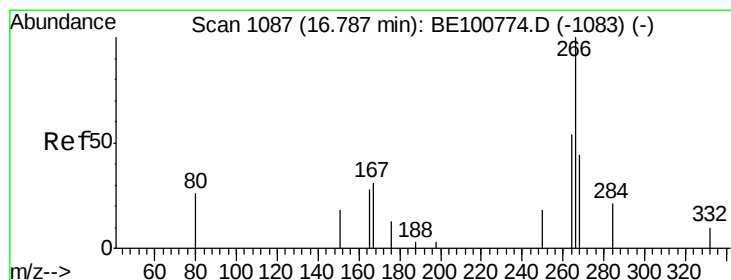
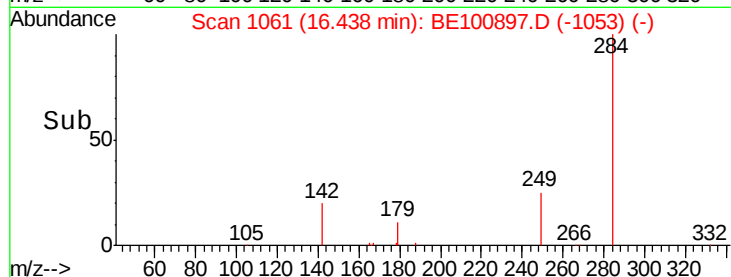
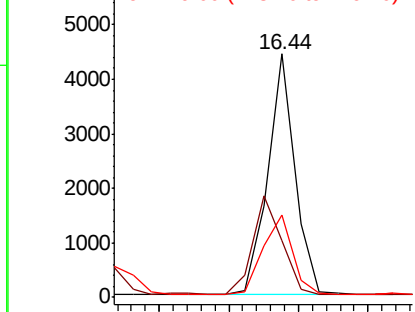
#21
Hexachlorobenzene
Concen: 0.381 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 5966
Ion Ratio Lower Upper
284 100
142 43.3 35.0 52.4
249 36.0 28.1 42.1

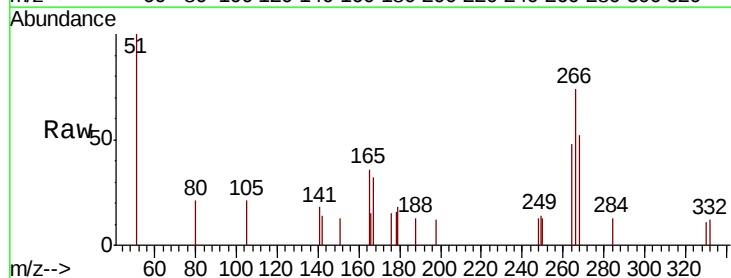


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

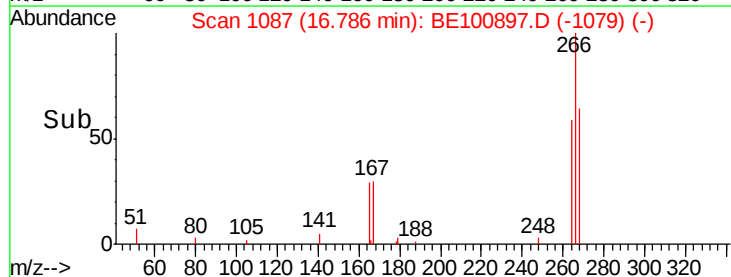
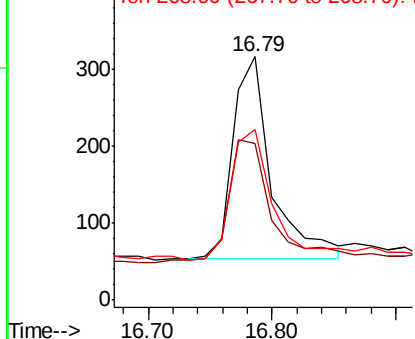


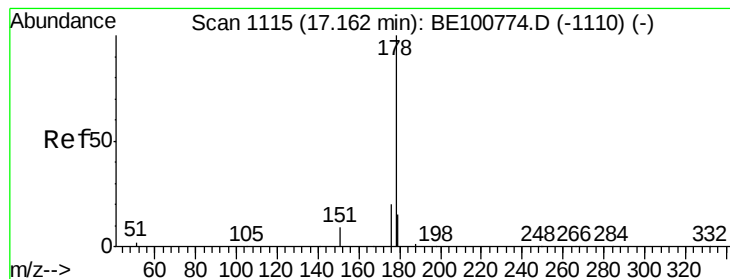
#22
Pentachlorophenol
Concen: 0.523 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:266 Resp: 567
Ion Ratio Lower Upper
266 100
264 64.4 55.1 82.7
268 70.0 50.7 76.1



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: 0.379 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

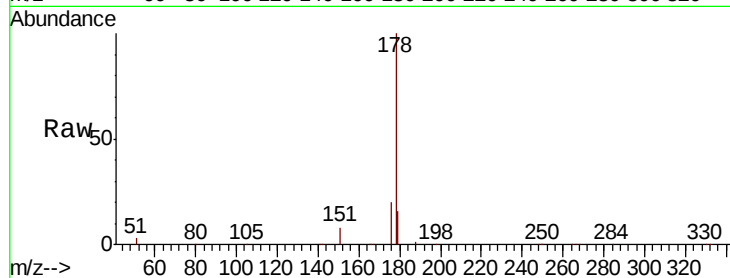
Tot Ion:178 Resp: 33743

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

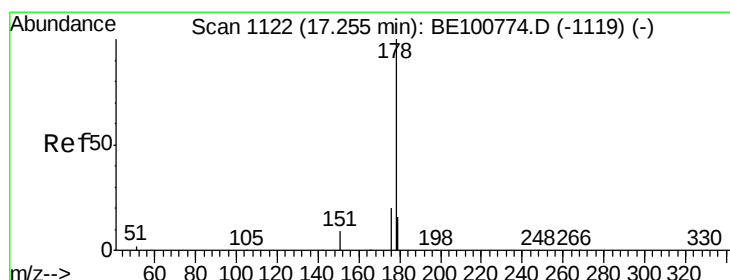
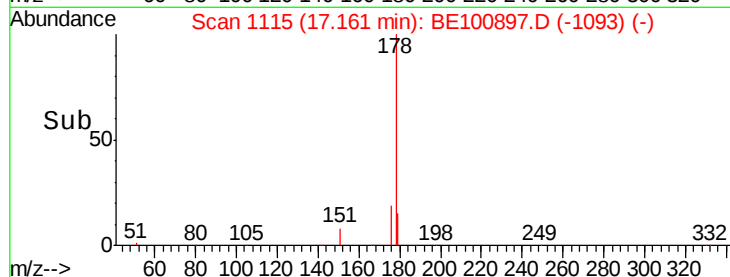
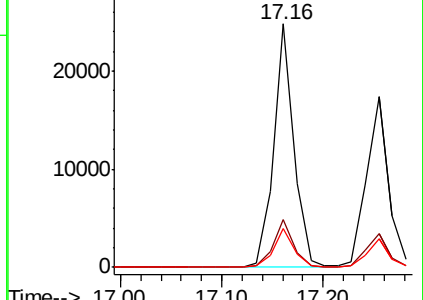
179 15.5 11.9 17.9



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



#24

Anthracene

Concen: 0.347 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

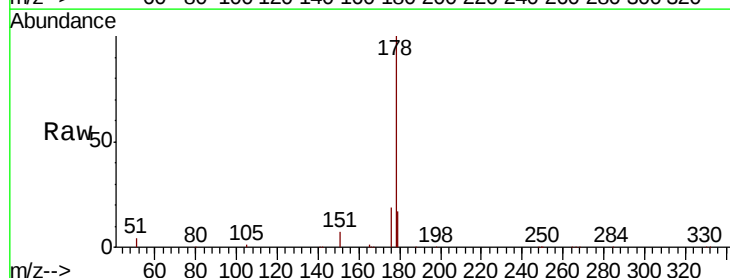
Tgt Ion:178 Resp: 25869

Ion Ratio Lower Upper

178 100

176 19.0 14.7 22.1

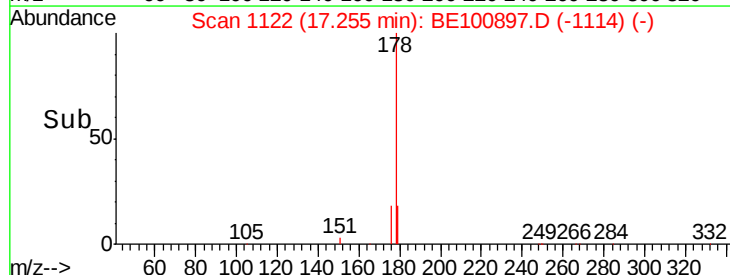
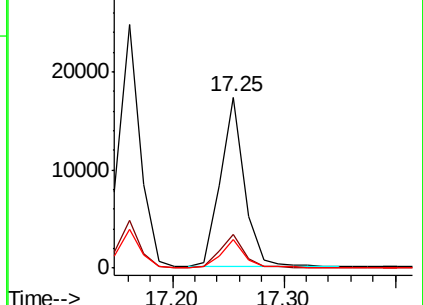
179 15.5 12.2 18.4

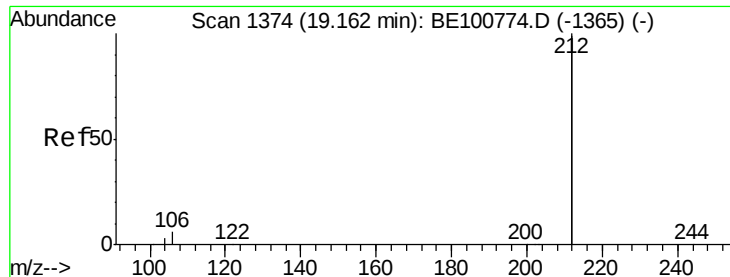


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.326 ng

RT: 19.16 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

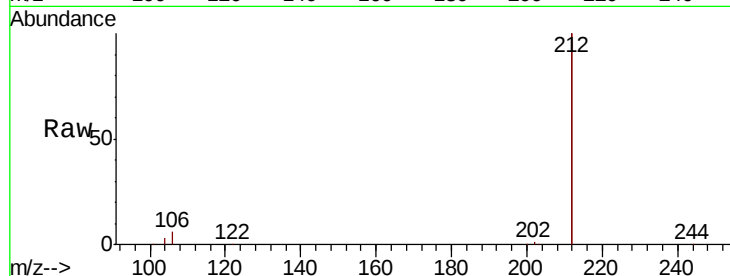
Tot Ion:212 Resp: 113183

Ion Ratio Lower Upper

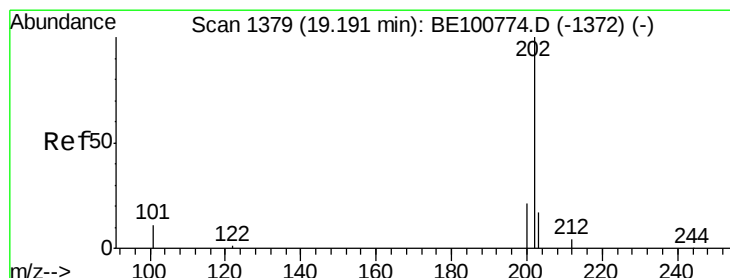
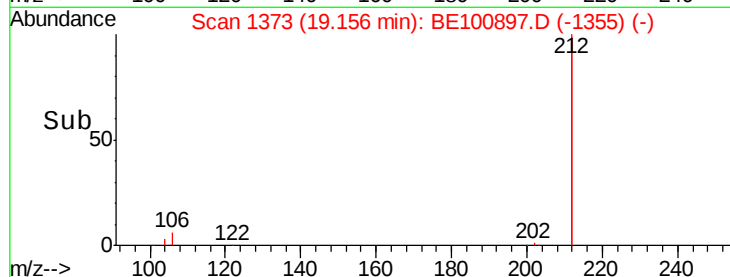
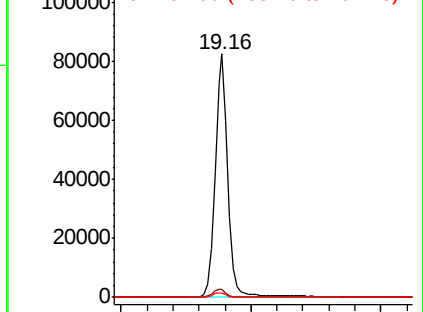
212 100

106 3.4 2.6 4.0

104 1.9 1.4 2.2



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: 0.329 ng

RT: 19.18 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

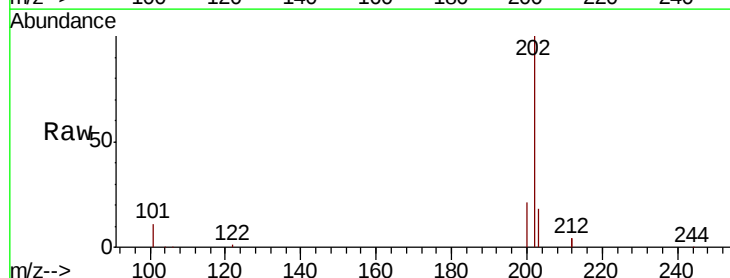
Tgt Ion:202 Resp: 35016

Ion Ratio Lower Upper

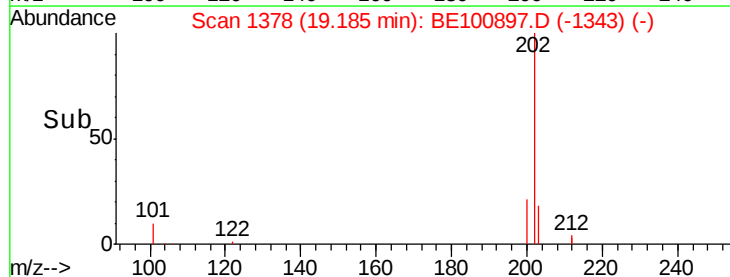
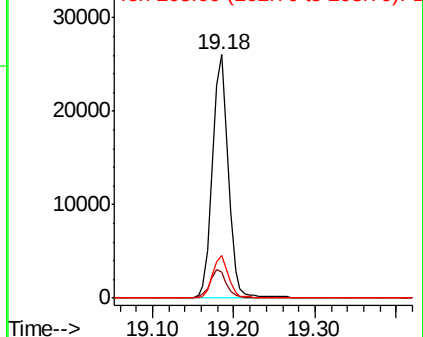
202 100

101 12.0 9.4 14.0

203 17.2 13.7 20.5



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

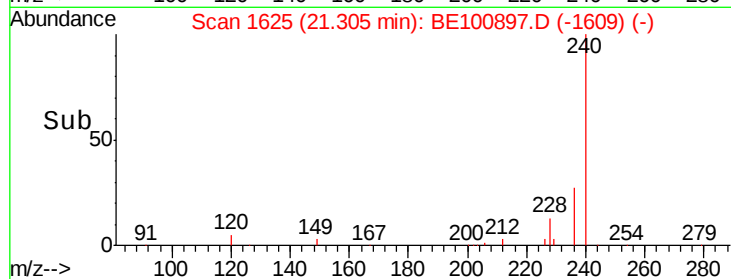
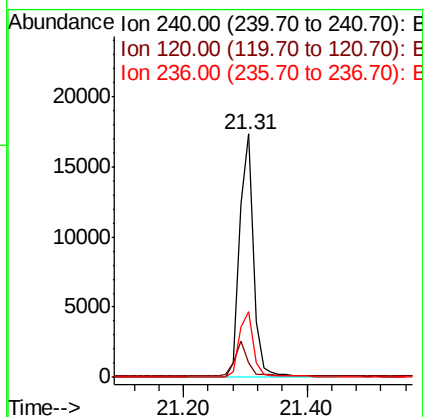
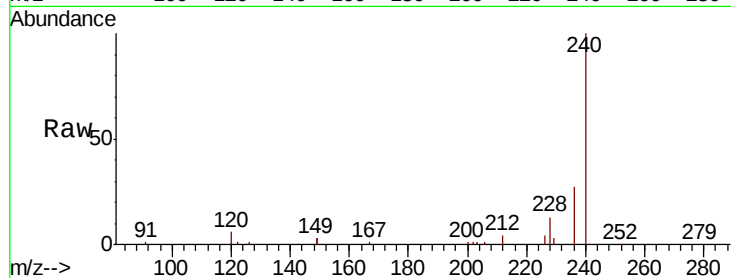




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

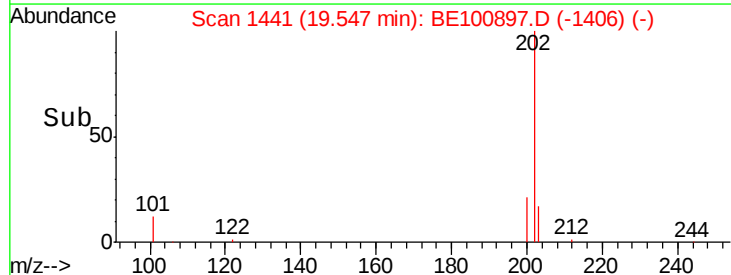
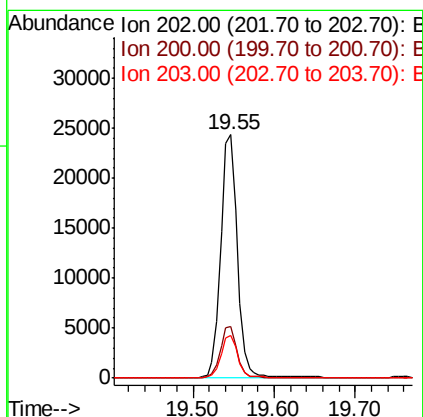
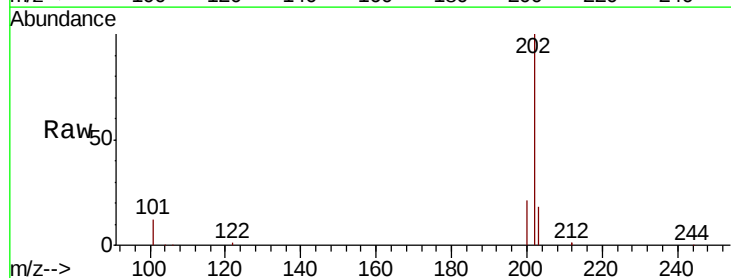
Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 26194
Ion Ratio Lower Upper
240 100
120 6.0 4.0 6.0
236 27.2 21.6 32.4



#28
Pyrene
Concen: 0.402 ng
RT: 19.55 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:202 Resp: 34220
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.389 ng

RT: 19.76 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampled :

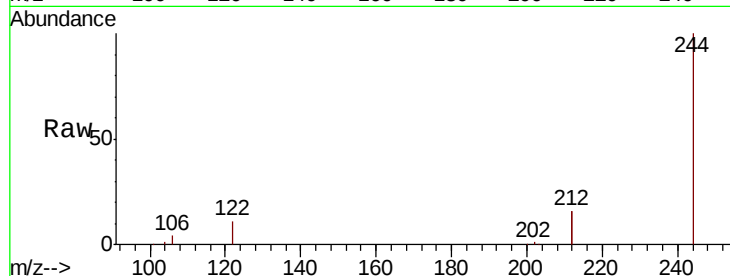
Tot Ion:244 Resp: 24418

Ion Ratio Lower Upper

244 100

212 31.6 25.2 37.8

122 11.0 8.9 13.3

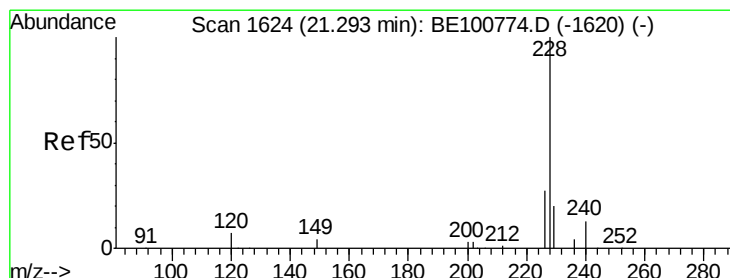
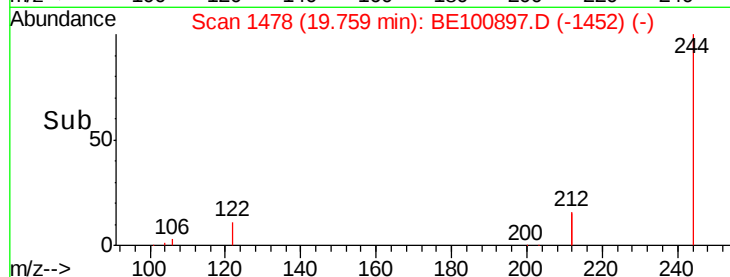
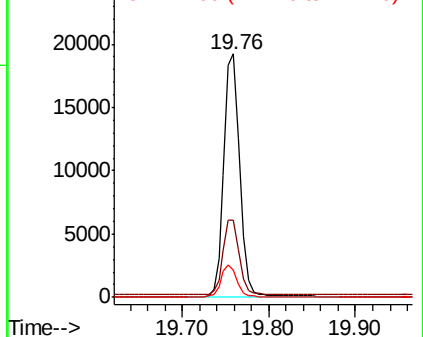


Abundance

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: 0.392 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

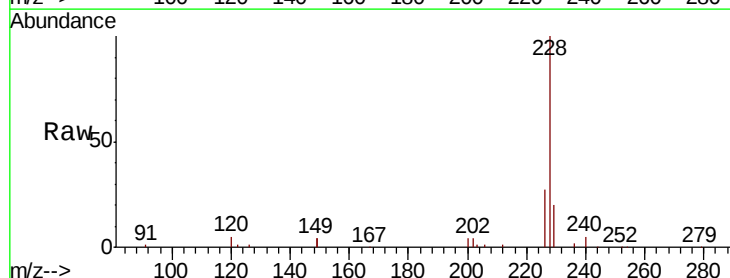
Tgt Ion:228 Resp: 30284

Ion Ratio Lower Upper

228 100

226 27.5 21.4 32.0

229 19.5 15.8 23.6

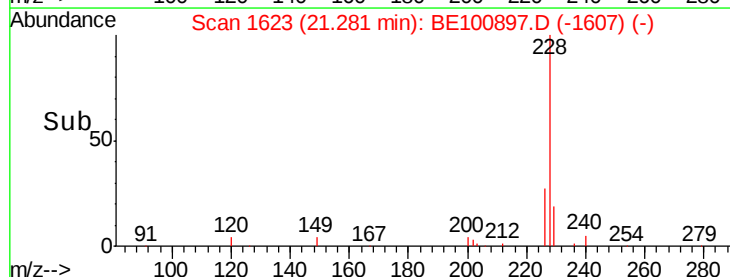
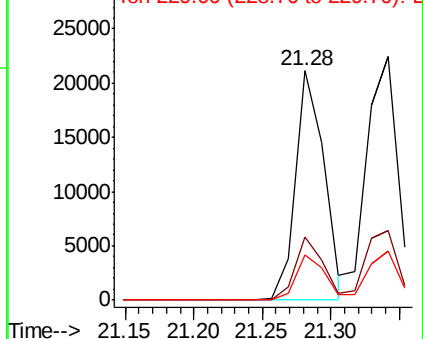


Abundance

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: 0.389 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

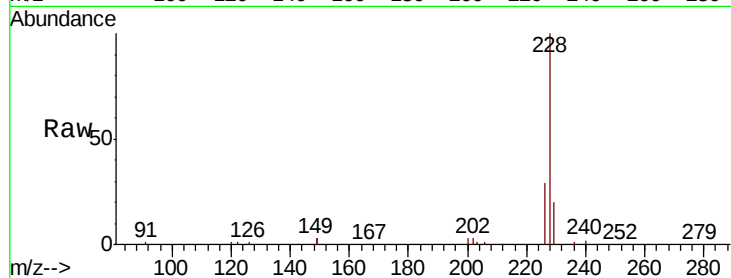
Tot Ion:228 Resp: 35280

Ion Ratio Lower Upper

228 100

226 28.8 25.3 37.9

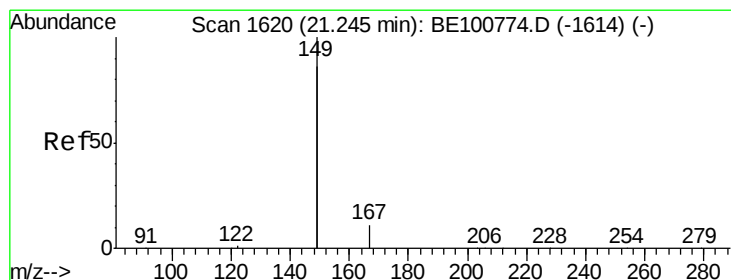
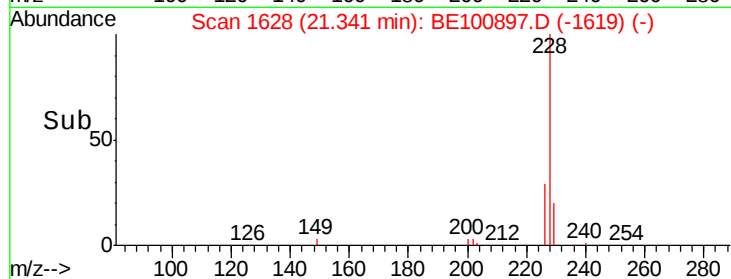
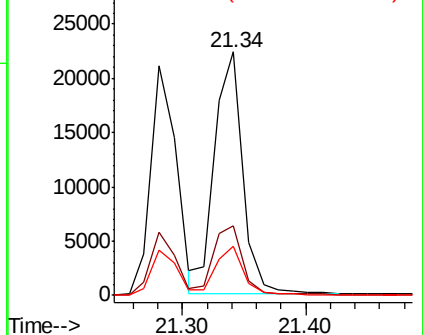
229 20.2 15.2 22.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.636 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

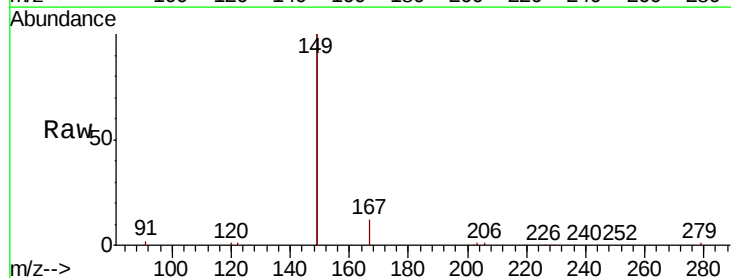
Tgt Ion:149 Resp: 34954

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.4

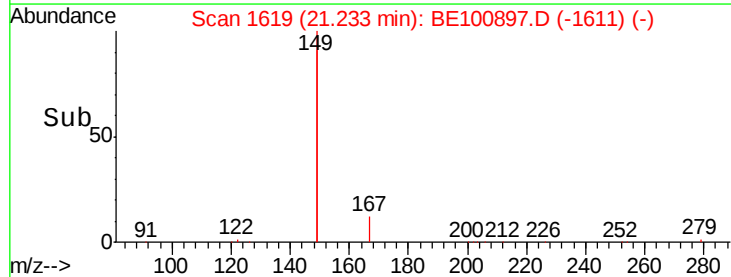
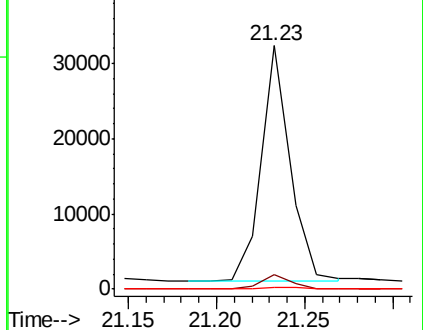
279 0.8 0.6 1.0



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: 0.402 ng

RT: 26.32 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

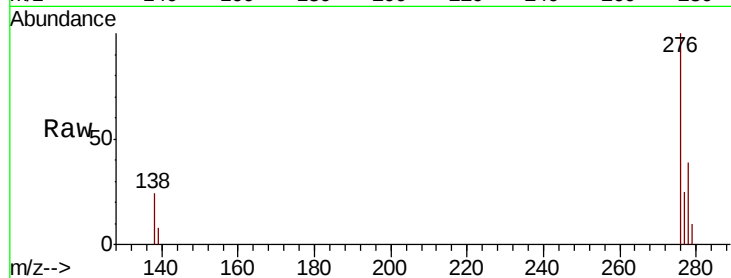
Tot Ion:276 Resp: 31796

Ion Ratio Lower Upper

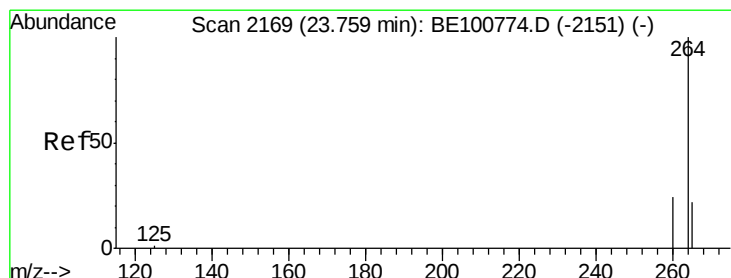
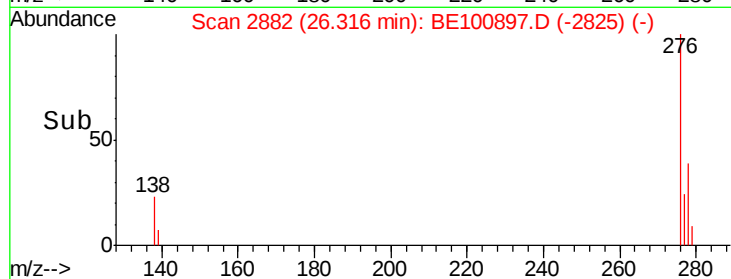
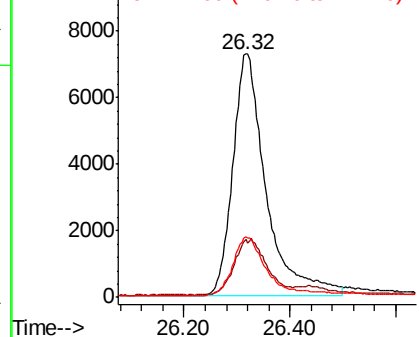
276 100

138 9.7 18.4 27.6#

277 23.4 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: 23.74 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

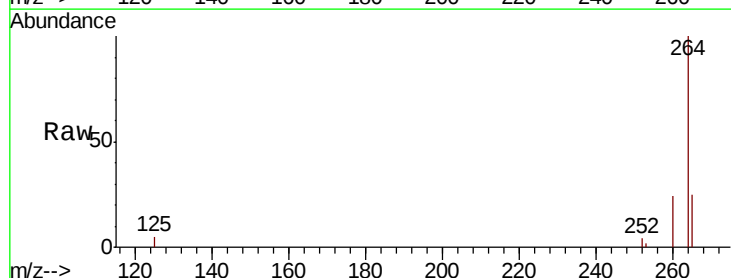
Tgt Ion:264 Resp: 32156

Ion Ratio Lower Upper

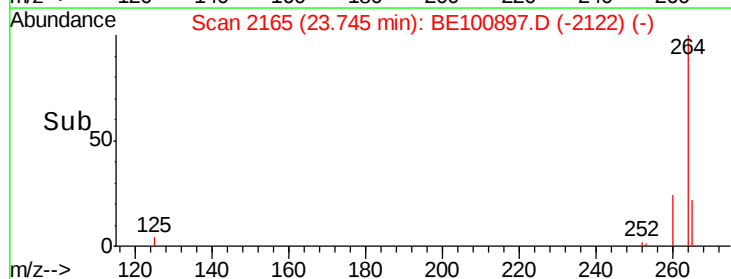
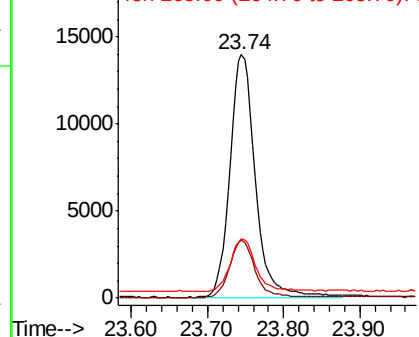
264 100

260 23.8 19.4 29.0

265 24.6 20.1 30.1



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: 0.326 ng

RT: 23.00 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

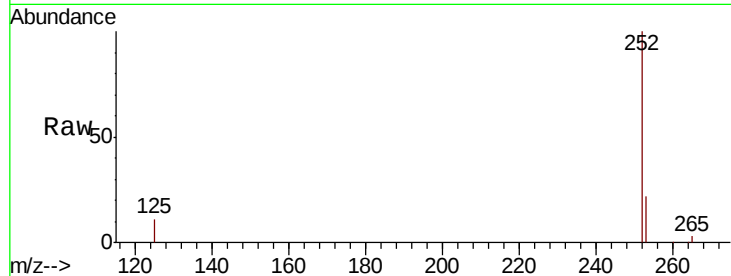
Tot Ion:252 Resp: 28687

Ion Ratio Lower Upper

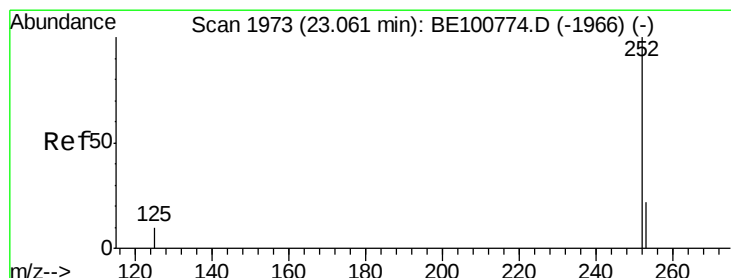
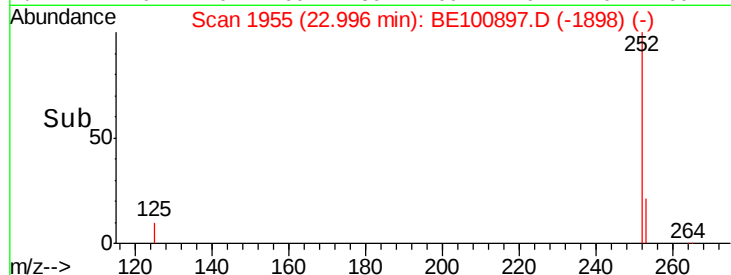
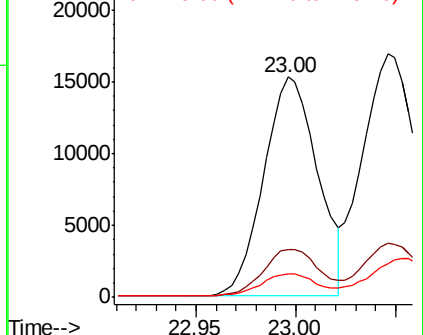
252 100

253 21.6 17.8 26.6

125 10.5 8.3 12.5



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



#36

Benzo(k)fluoranthene

Concen: 0.364 ng

RT: 23.05 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

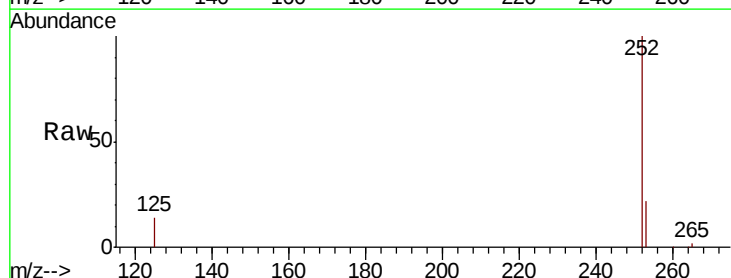
Tgt Ion:252 Resp: 35974

Ion Ratio Lower Upper

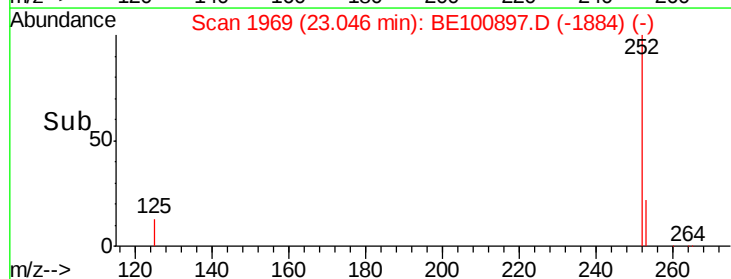
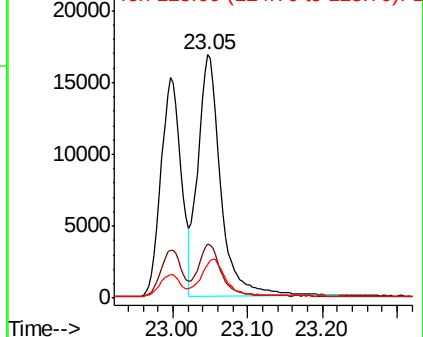
252 100

253 22.3 17.8 26.6

125 13.7 9.4 14.0



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





#37

Benzo(a)pyrene

Concen: 0.320 ng

RT: 23.63 min Scan# 2134

Delta R.T. 0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :

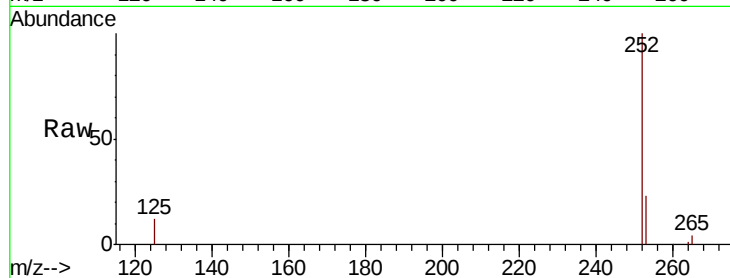
Tot Ion:252 Resp: 24415

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

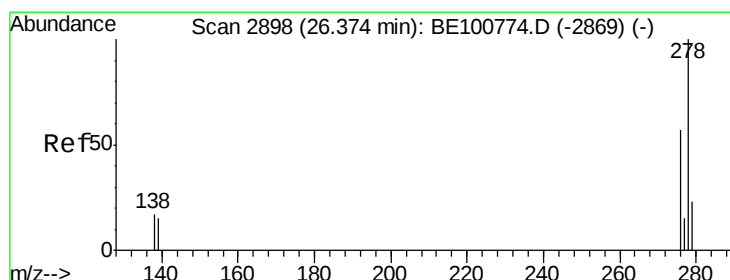
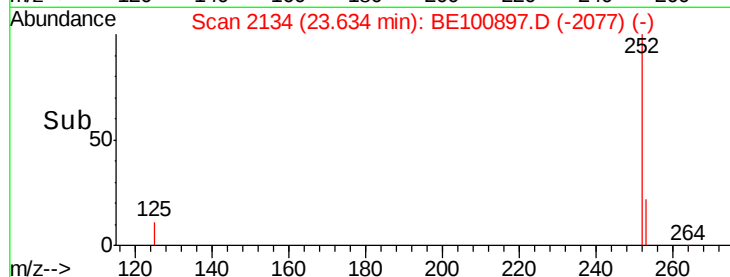
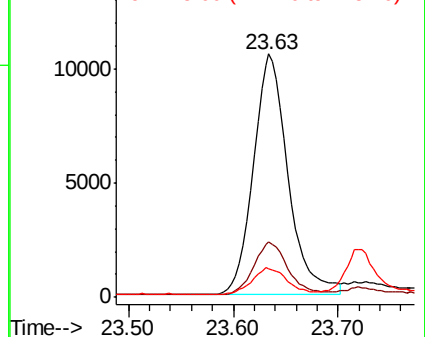
125 11.8 9.9 14.9



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: 0.340 ng

RT: 26.34 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

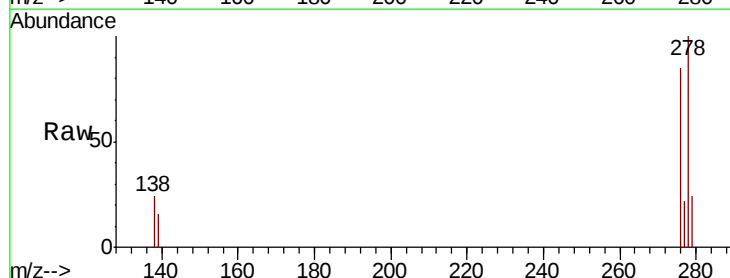
Tgt Ion:278 Resp: 25791

Ion Ratio Lower Upper

278 100

139 16.2 13.8 20.6

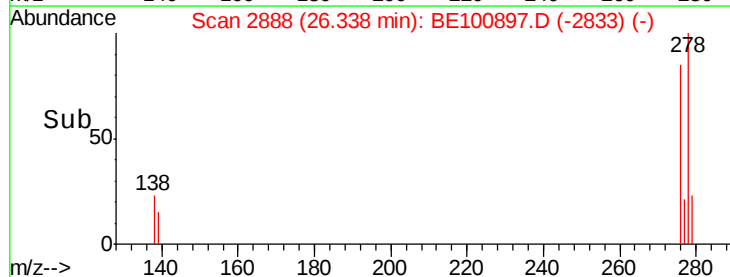
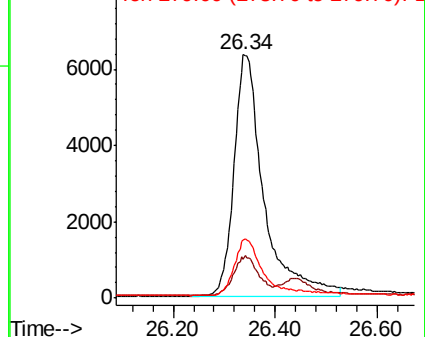
279 23.9 19.8 29.6

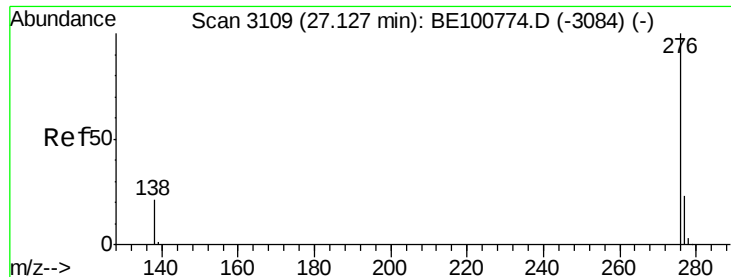


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.345 ng

RT: 27.10 min Scan# 3101

Delta R.T. -0.00 min

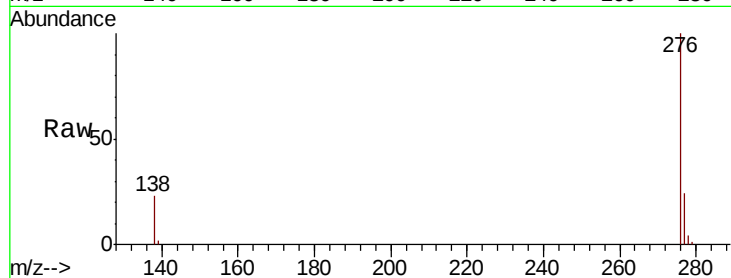
Lab File: BE100897.D

Acq: 13 Dec 2019 22:13

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 27995

Ion Ratio Lower Upper

276 100

277 24.4 19.7 29.5

138 23.0 18.0 27.0

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

