

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121719\
 Data File : BE100949.D
 Acq On : 17 Dec 2019 14:17
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Dec 17 17:33:53 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	4714	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	23264	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	15435	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	37041	0.40	ng	0.00
27) Chrysene-d12	21.31	240	33273	0.40	ng	0.00
34) Perylene-d12	23.74	264	41090	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	6669	0.60	ng	-0.01
5) Phenol-d6	6.93	99	9943	0.59	ng	0.00
8) Nitrobenzene-d5	8.89	82	7461	0.67	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	15629	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1555	0.91	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	22020	0.36	ng	0.00
25) Fluoranthene-d10	19.16	212	168254	0.38	ng	0.00
29) Terphenyl-d14	19.75	244	34210	0.43	ng	0.00

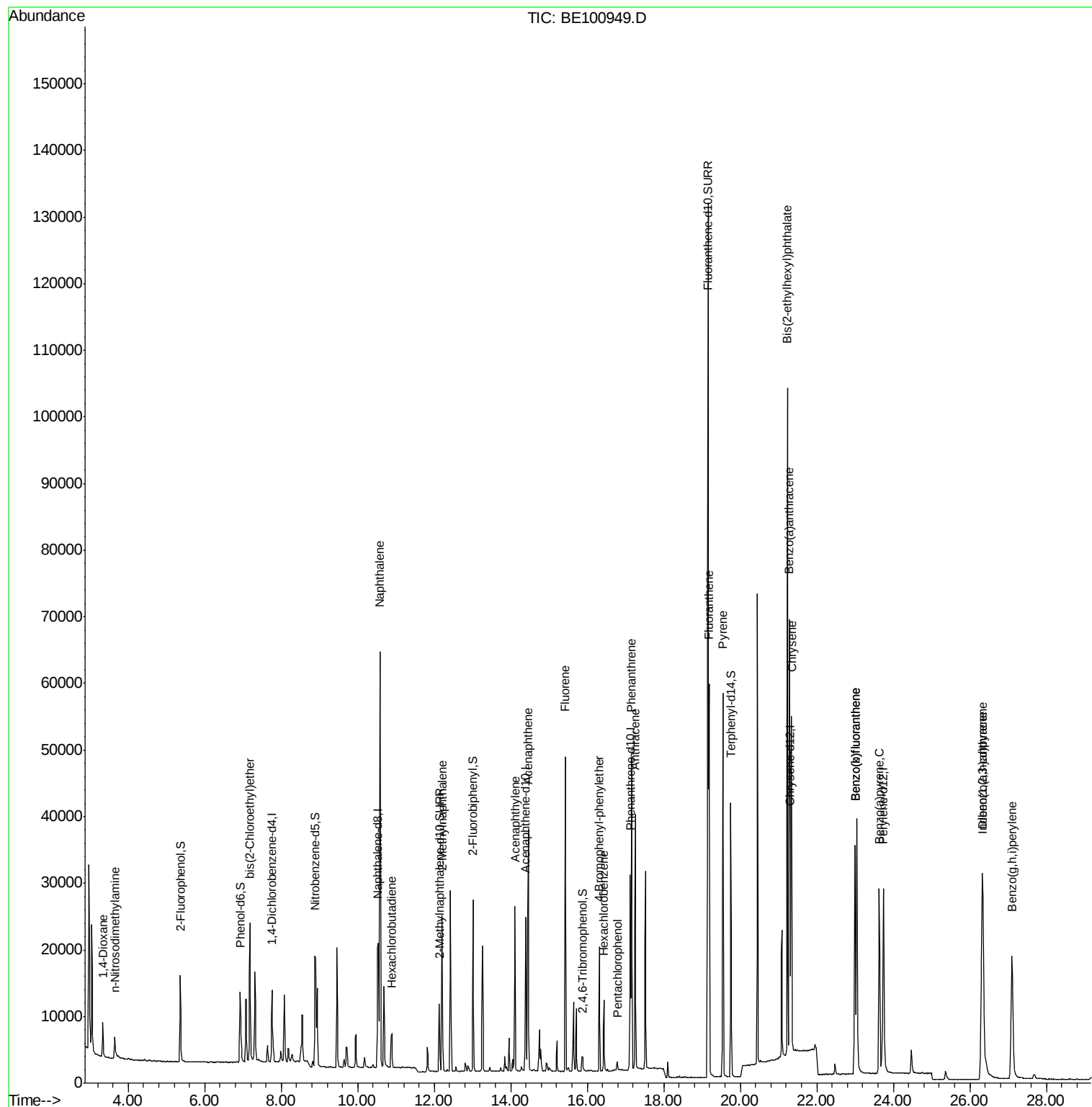
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3674	0.427	ng	96
3) n-Nitrosodimethylamine	3.65	42	3443	0.492	ng	# 94
6) bis(2-Chloroethyl)ether	7.18	93	7594	0.465	ng	99
9) Naphthalene	10.58	128	107221	0.434	ng	100
10) Hexachlorobutadiene	10.89	225	3916	0.406	ng	97
12) 2-Methylnaphthalene	12.21	142	18306	0.474	ng	99
16) Acenaphthylene	14.11	152	28900	0.453	ng	99
17) Acenaphthene	14.46	154	18972	0.431	ng	98
18) Fluorene	15.42	166	25479	0.449	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	7610	0.419	ng	99
21) Hexachlorobenzene	16.44	284	7551	0.382	ng	99
22) Pentachlorophenol	16.79	266	987	0.723	ng	95
23) Phenanthrene	17.16	178	45711	0.407	ng	98
24) Anthracene	17.25	178	40139	0.428	ng	100
26) Fluoranthene	19.18	202	51326	0.383	ng	99
28) Pyrene	19.55	202	52016	0.481	ng	100
30) Benzo(a)anthracene	21.28	228	49031	0.500	ng	99
31) Chrysene	21.34	228	51860	0.450	ng	96
32) Bis(2-ethylhexyl)phthalate	21.23	149	102736	1.276	ng	99
33) Indeno(1,2,3-cd)pyrene	26.32	276	53869	0.537	ng	98
35) Benzo(b)fluoranthene	23.00	252	49129	0.437	ng	99
36) Benzo(k)fluoranthene	23.00	252	49129	0.389	ng	99
37) Benzo(a)pyrene	23.63	252	44528	0.457	ng	100
38) Dibenzo(a,h)anthracene	26.34	278	43416	0.448	ng	99
39) Benzo(g,h,i)perylene	27.10	276	45505	0.439	ng	99

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

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Instrument :
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Quant Time: Dec 17 17:33:53 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: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

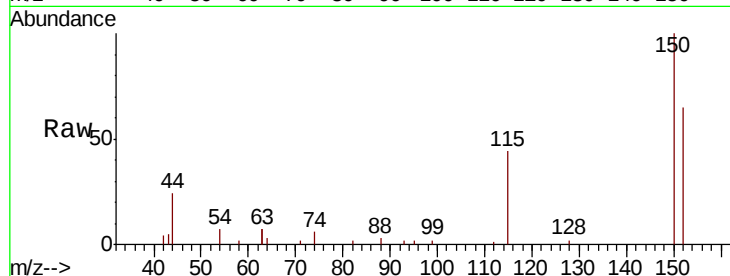
Tot Ion:152 Resp: 4714

Ion Ratio Lower Upper

152 100

150 153.2 125.5 188.3

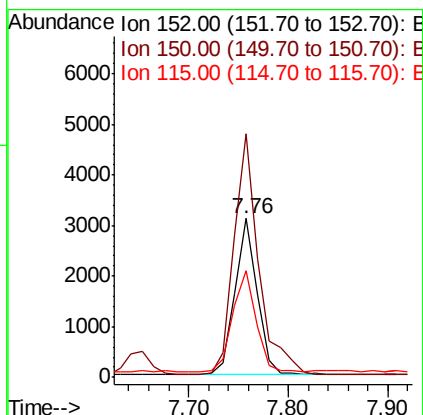
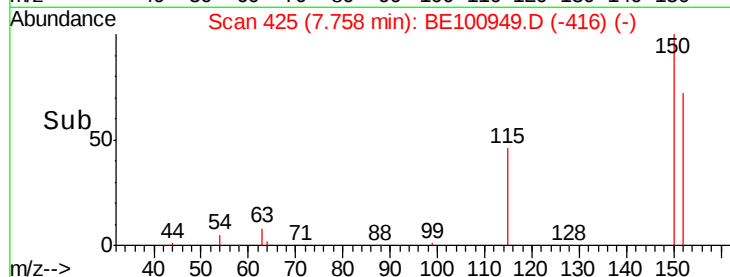
115 67.2 55.7 83.5



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: 0.427 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

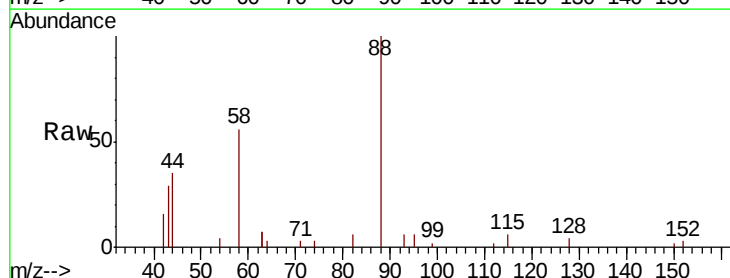
Tgt Ion: 88 Resp: 3674

Ion Ratio Lower Upper

88 100

58 69.5 52.3 78.5

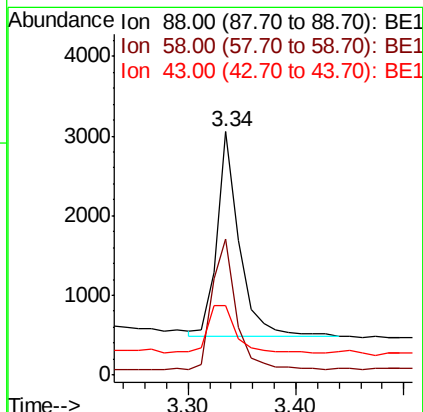
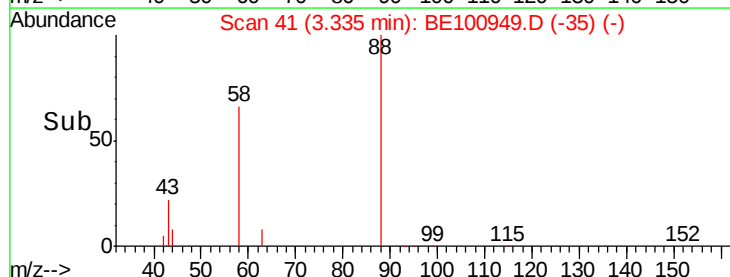
43 30.3 23.5 35.3



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: 0.492 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

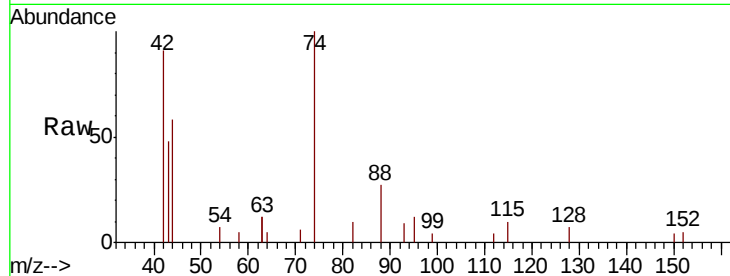
Tot Ion: 42 Resp: 3443

Ion Ratio Lower Upper

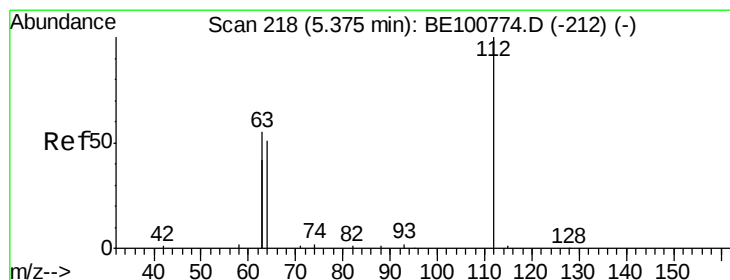
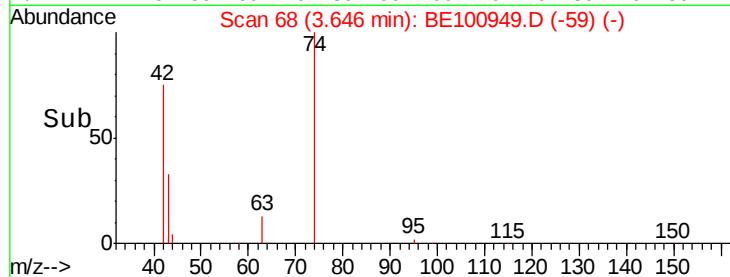
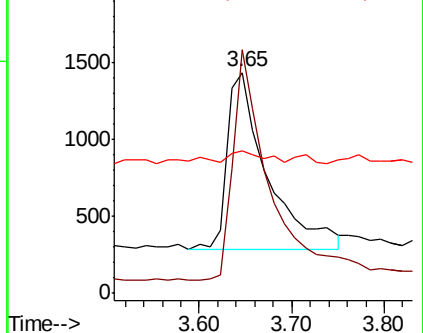
42 100

74 118.7 90.3 135.5

44 7.4 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: 0.596 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

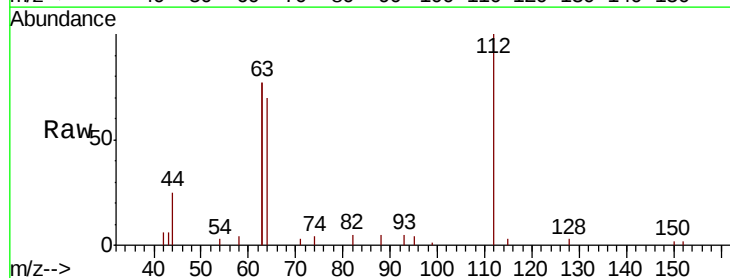
Tgt Ion: 112 Resp: 6669

Ion Ratio Lower Upper

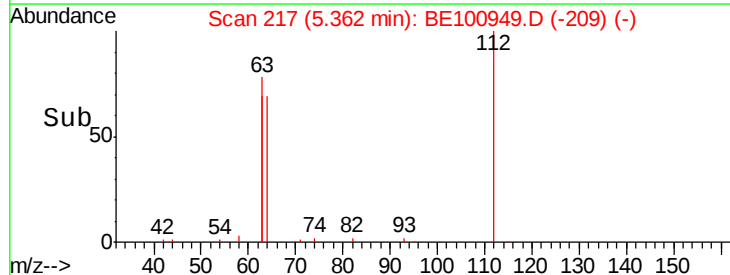
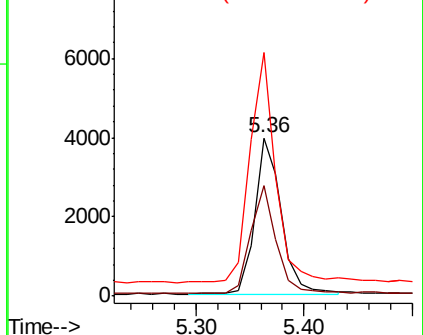
112 100

64 67.0 54.5 81.7

63 141.6 116.1 174.1



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: 0.589 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

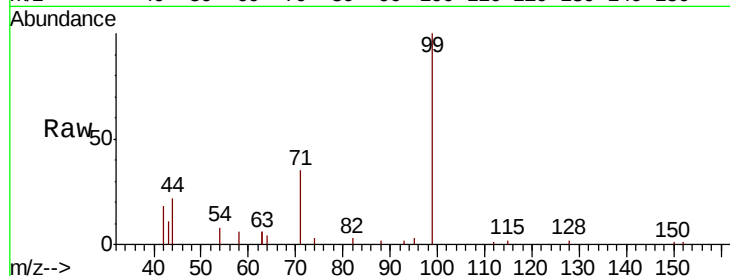
Tot Ion: 99 Resp: 9943

Ion Ratio Lower Upper

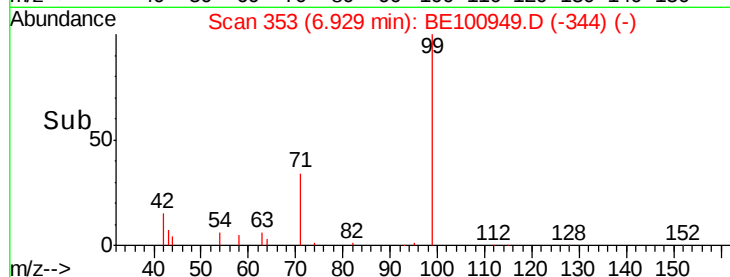
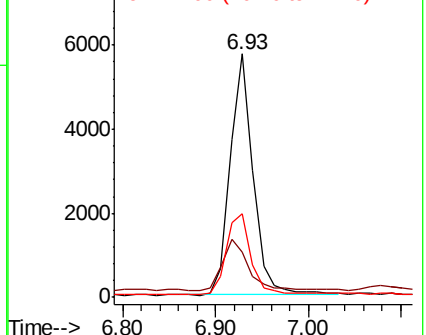
99 100

42 23.2 18.2 27.2

71 36.0 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: 0.465 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

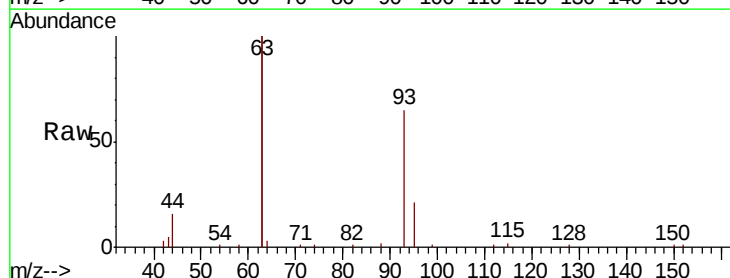
Tgt Ion: 93 Resp: 7594

Ion Ratio Lower Upper

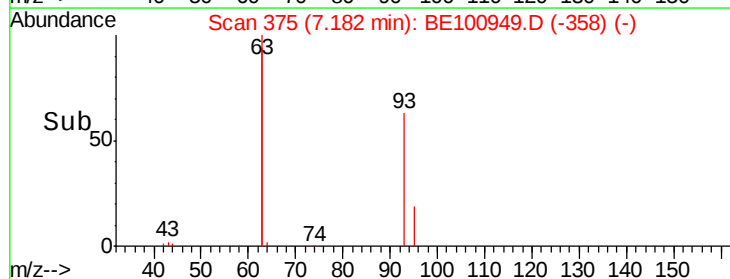
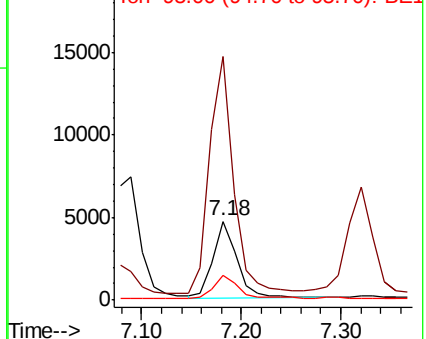
93 100

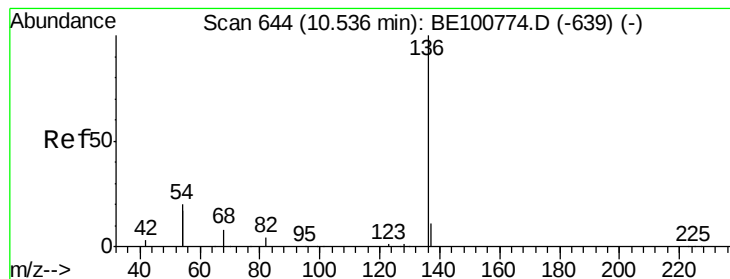
63 315.2 253.9 380.9

95 31.2 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: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 23264

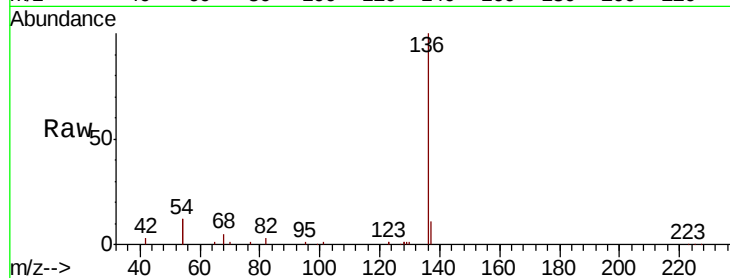
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 23.0 18.9 28.3

68 5.0 4.6 6.8

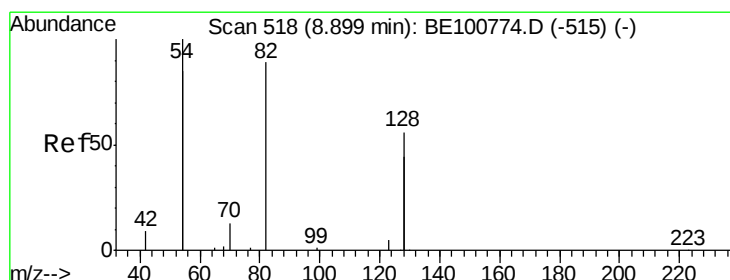
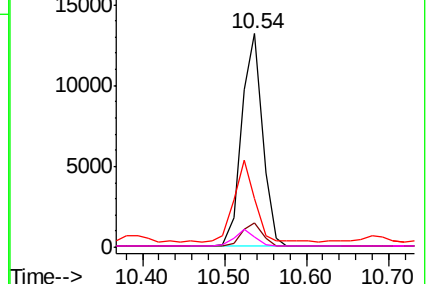
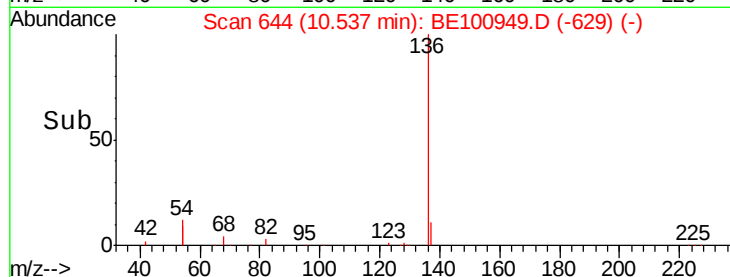


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.673 ng

RT: 8.89 min Scan# 517

Delta R.T. -0.01 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

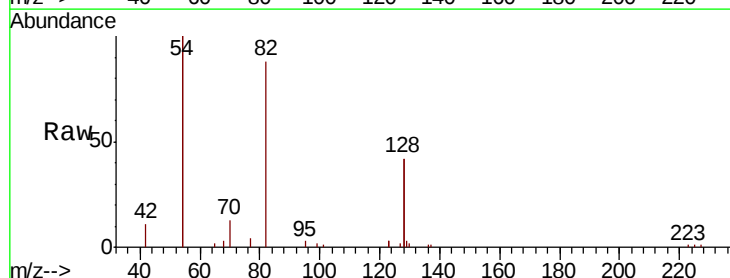
Tgt Ion: 82 Resp: 7461

Ion Ratio Lower Upper

82 100

128 96.6 113.5 170.3#

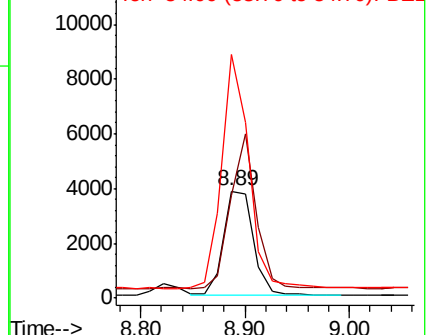
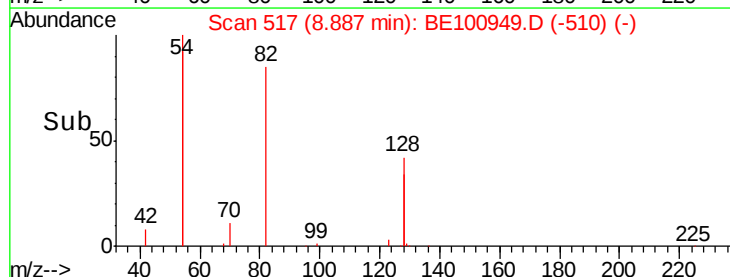
54 227.4 138.9 208.3#



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: 0.434 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

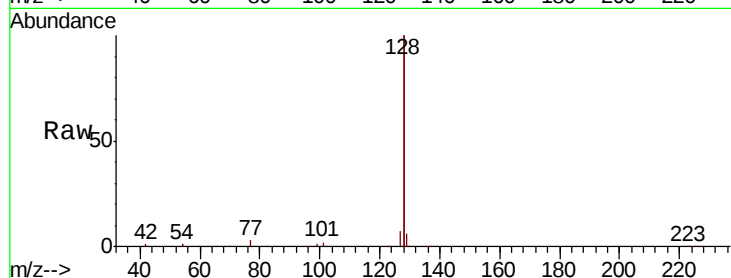
Tot Ion:128 Resp: 107221

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

127 3.4 2.8 4.2

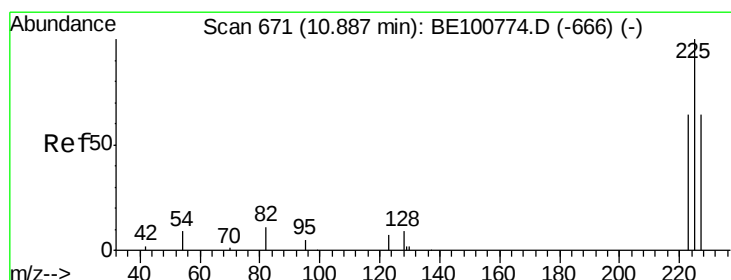
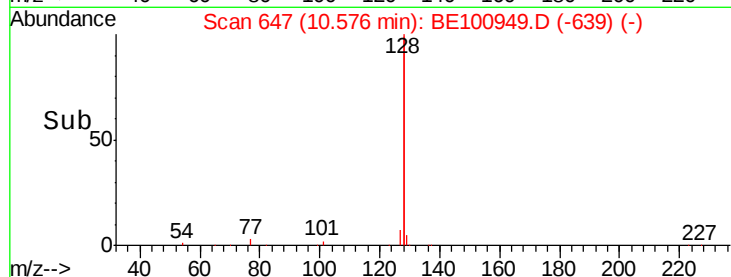
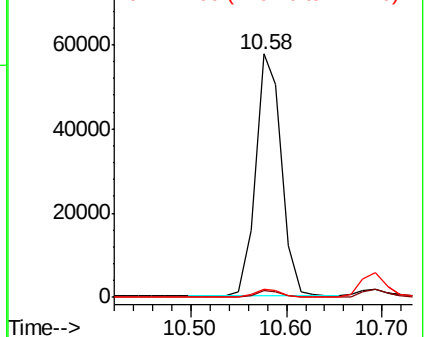


Abundance

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: 0.406 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

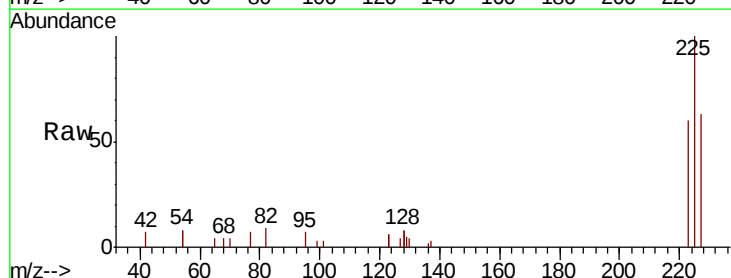
Tgt Ion:225 Resp: 3916

Ion Ratio Lower Upper

225 100

223 62.1 52.1 78.1

227 62.3 51.1 76.7

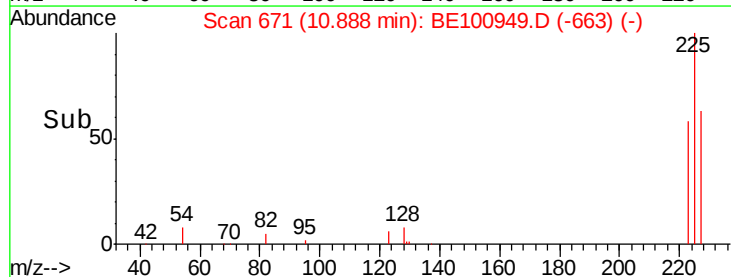
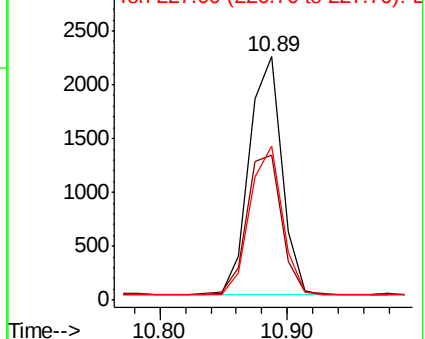


Abundance

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

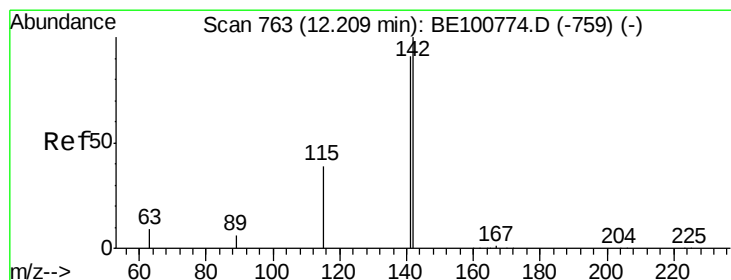
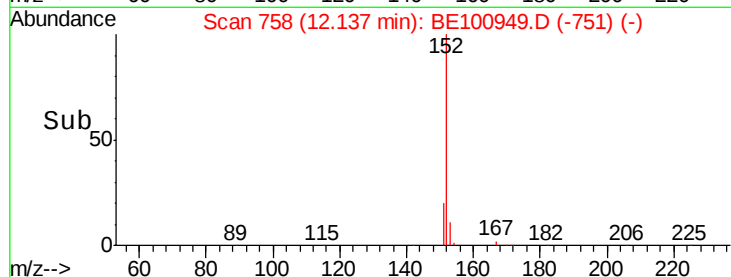
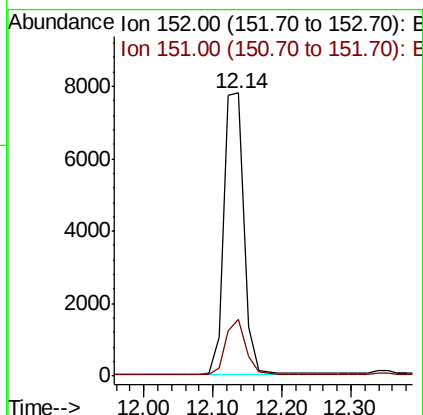
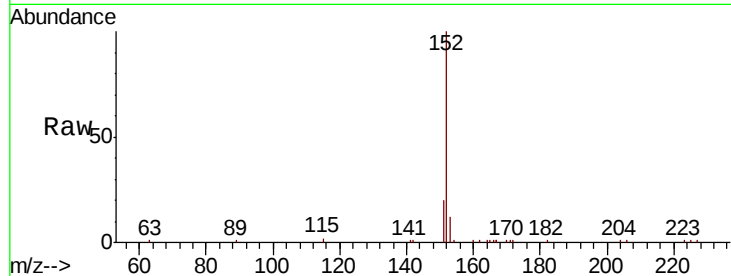




#11
2-Methylnaphthalene-d10
Concen: 0.464 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

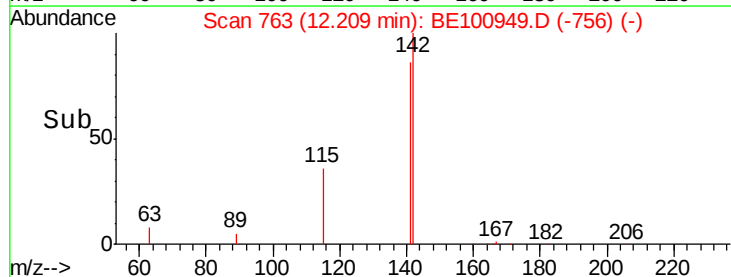
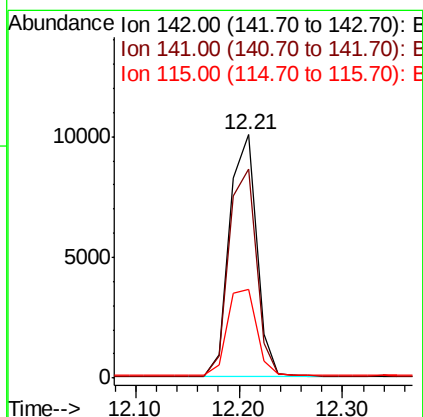
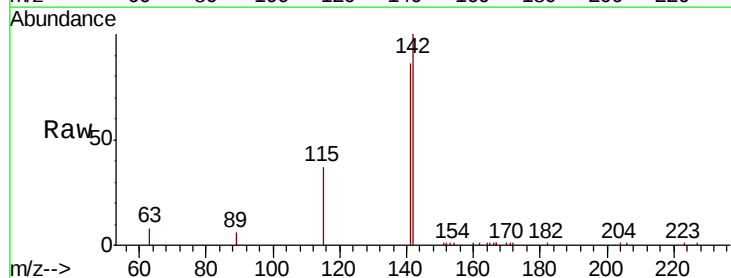
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:152 Resp: 15629
Ion Ratio Lower Upper
152 100
151 18.9 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.474 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

Tgt Ion:142 Resp: 18306
Ion Ratio Lower Upper
142 100
141 85.6 68.9 103.3
115 36.5 29.5 44.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

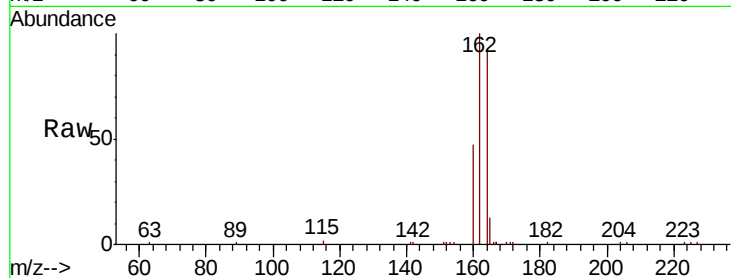
Tot Ion:164 Resp: 15435

Ion Ratio Lower Upper

164 100

162 107.5 86.0 129.0

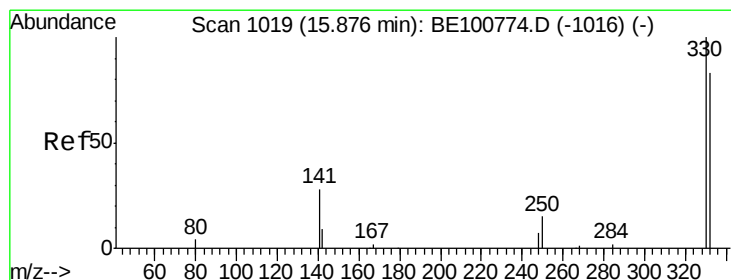
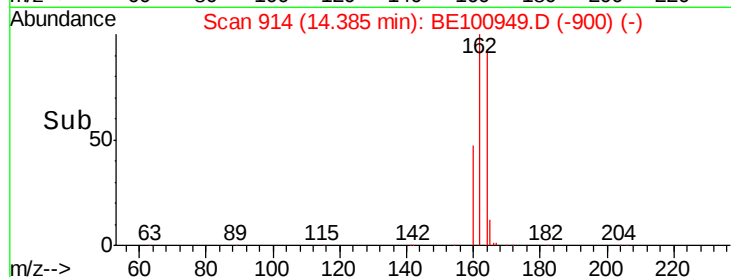
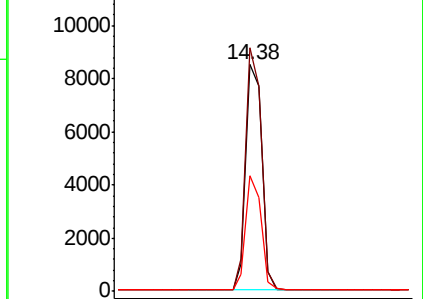
160 51.0 42.3 63.5



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: 0.906 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

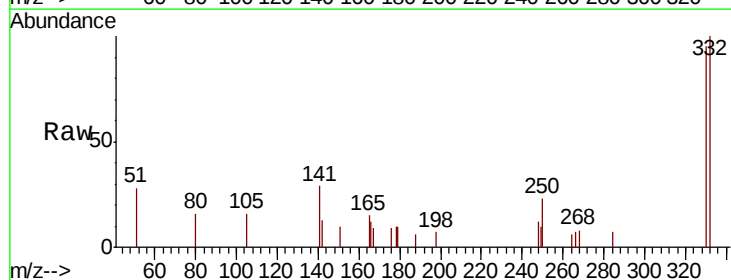
Tgt Ion:330 Resp: 1555

Ion Ratio Lower Upper

330 100

332 99.4 74.1 111.1

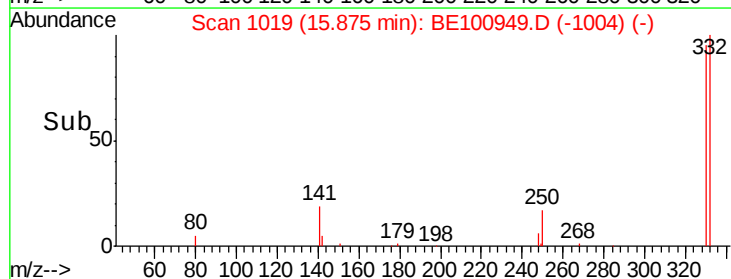
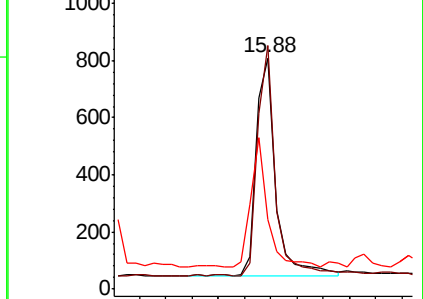
141 51.5 46.7 70.1



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

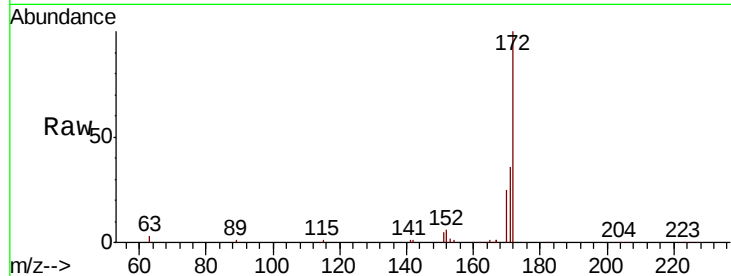




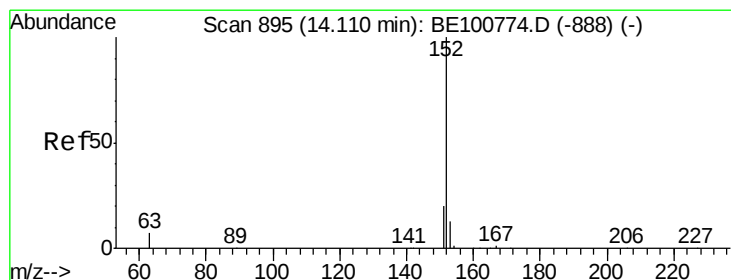
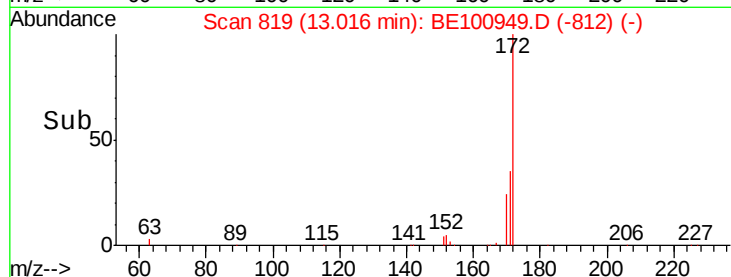
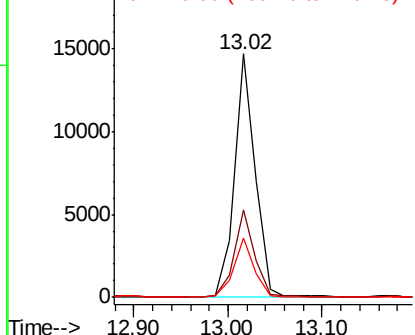
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:172 Resp: 22020
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 24.6 19.4 29.0

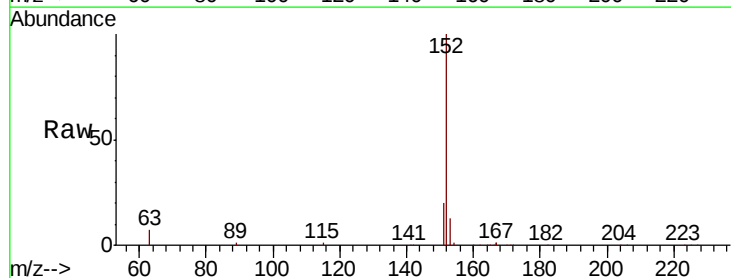


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

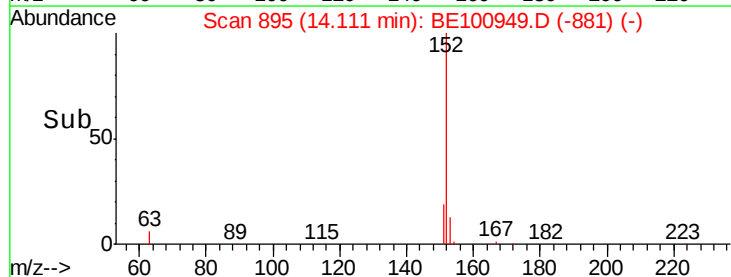
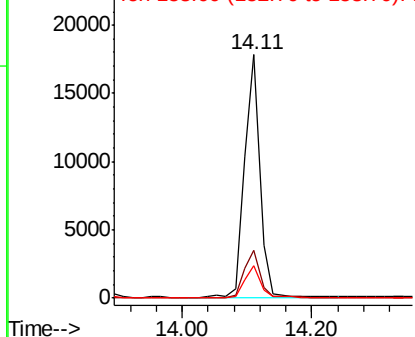


#16
Acenaphthylene
Concen: 0.453 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

Tgt Ion:152 Resp: 28900
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 13.1 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: 0.431 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

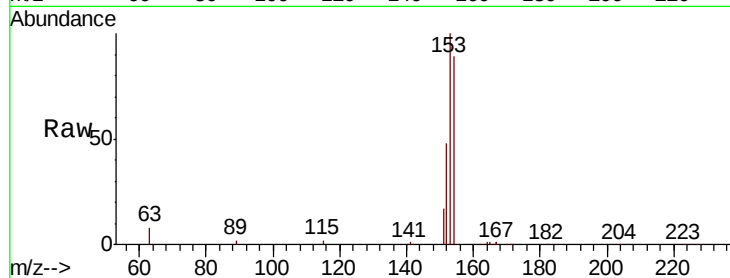
Tot Ion:154 Resp: 18972

Ion Ratio Lower Upper

154 100

153 115.1 91.5 137.3

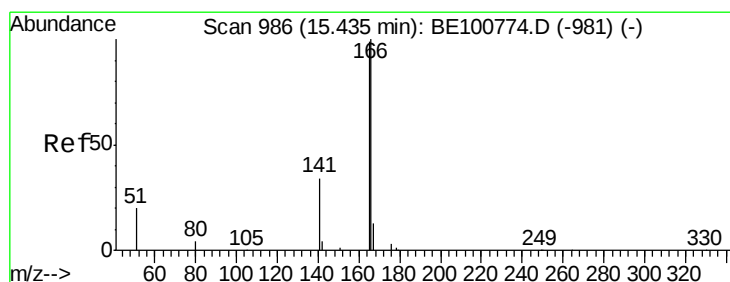
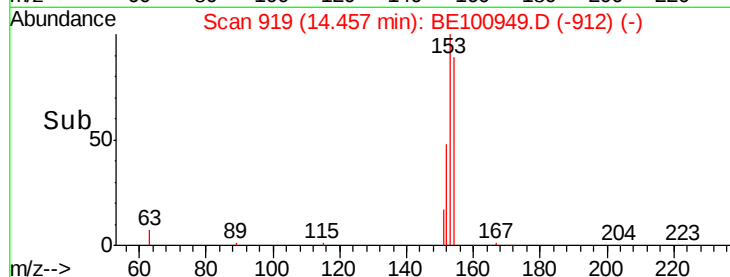
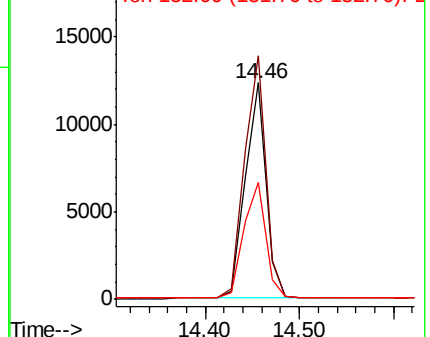
152 57.0 47.7 71.5



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: 0.449 ng

RT: 15.42 min Scan# 985

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

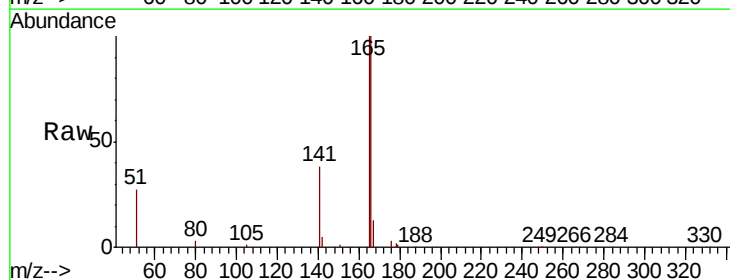
Tgt Ion:166 Resp: 25479

Ion Ratio Lower Upper

166 100

165 97.6 80.2 120.4

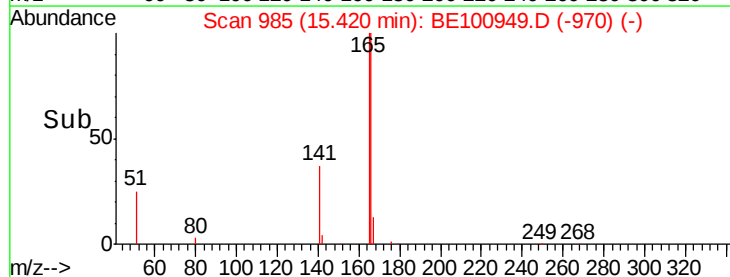
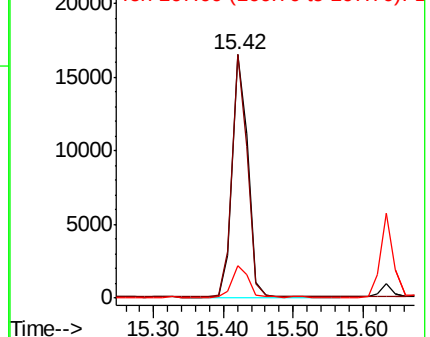
167 13.3 10.6 16.0



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

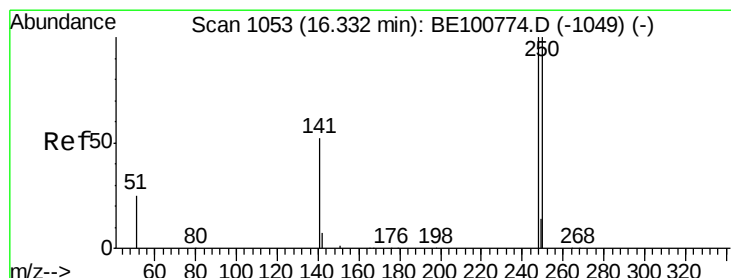
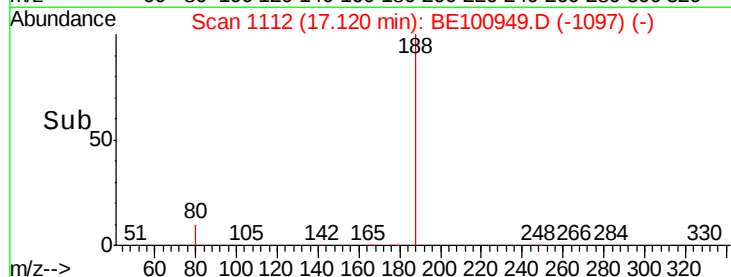
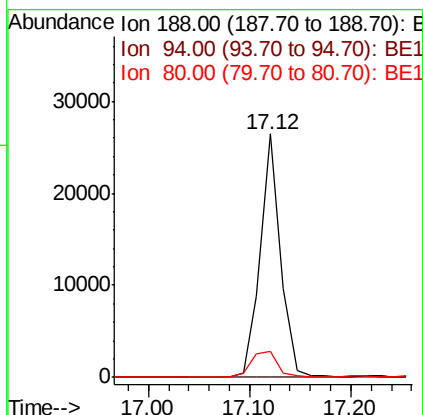
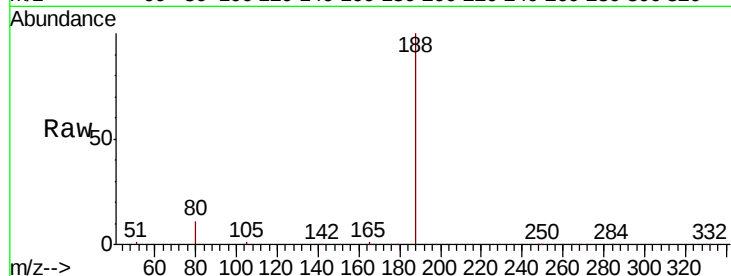




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

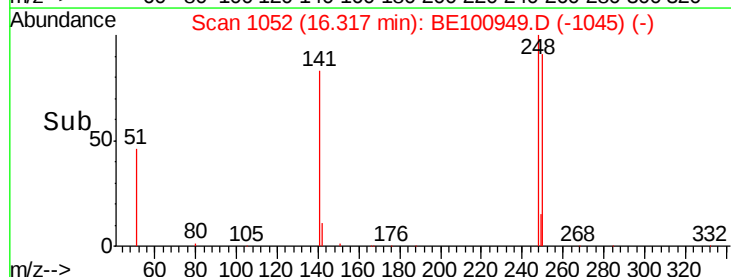
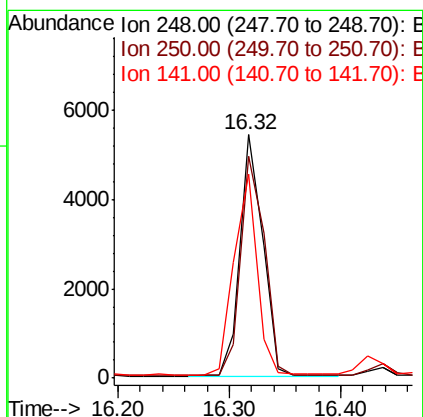
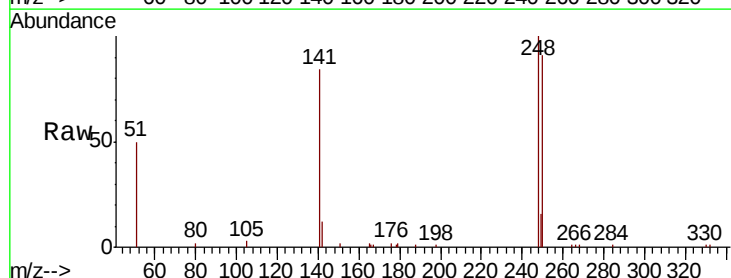
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

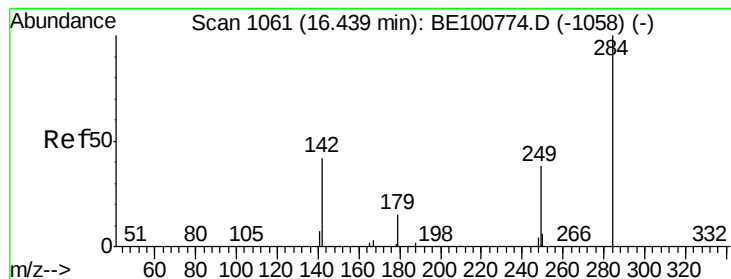
Tot Ion:188 Resp: 37041
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.6 7.9 11.9



#20
4-Bromophenyl-phenylether
Concen: 0.419 ng
RT: 16.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

Tgt Ion:248 Resp: 7610
Ion Ratio Lower Upper
248 100
250 90.9 72.4 108.6
141 83.6 68.2 102.2





#21

Hexachlorobenzene

Concen: 0.382 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

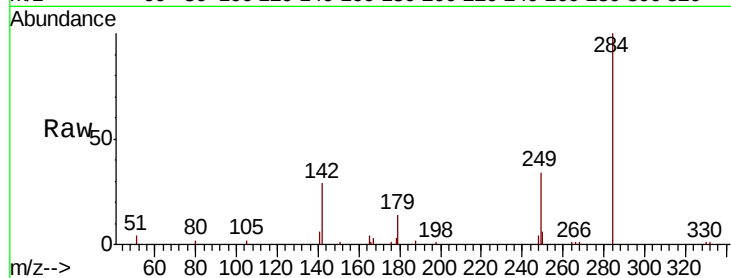
Tot Ion:284 Resp: 7551

Ion Ratio Lower Upper

284 100

142 44.6 35.0 52.4

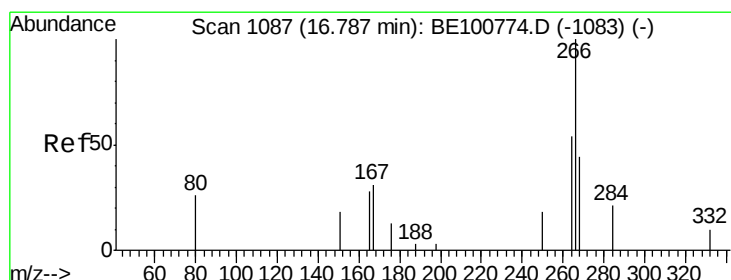
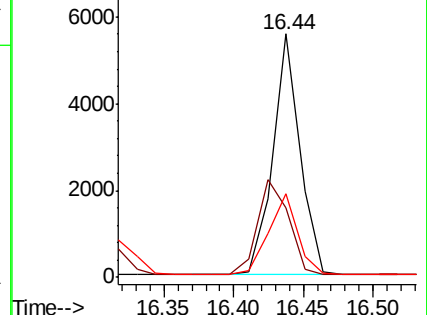
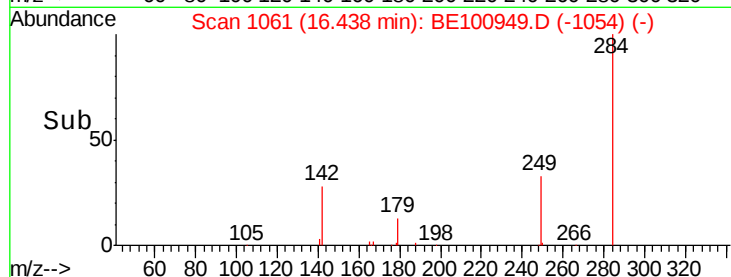
249 35.2 28.1 42.1



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: 0.723 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

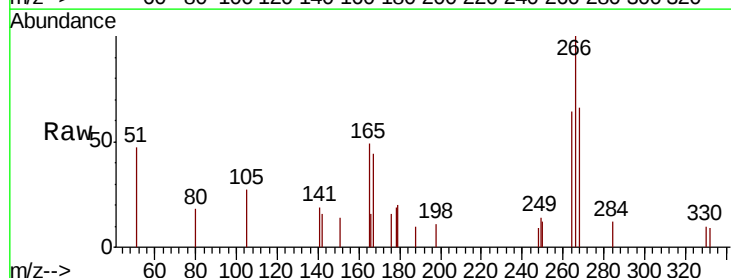
Tgt Ion:266 Resp: 987

Ion Ratio Lower Upper

266 100

264 64.5 55.1 82.7

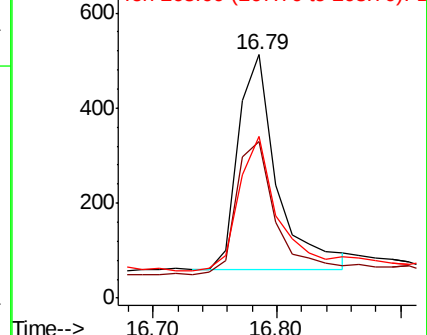
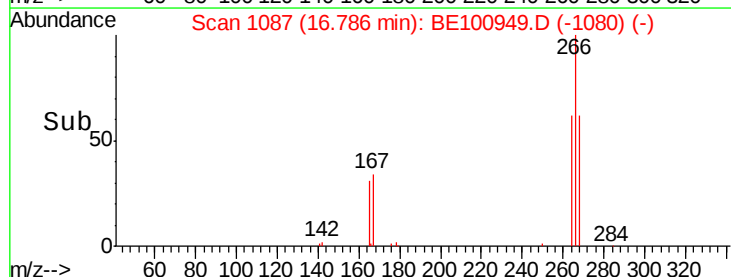
268 66.2 50.7 76.1



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: 0.407 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

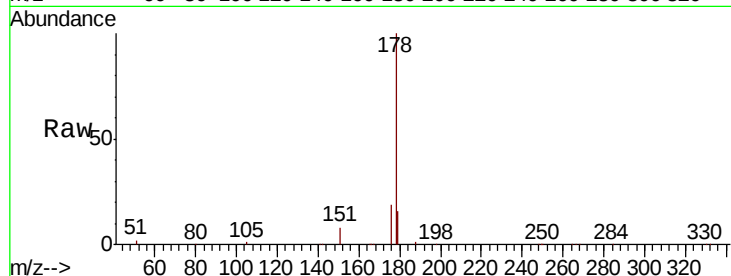
Tot Ion:178 Resp: 45711

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

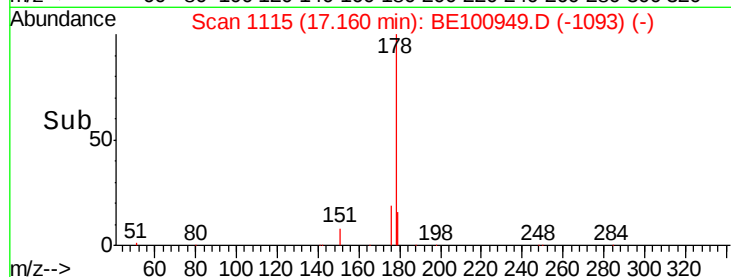
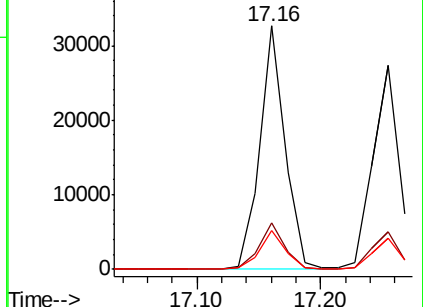
179 15.7 11.9 17.9



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: 0.428 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

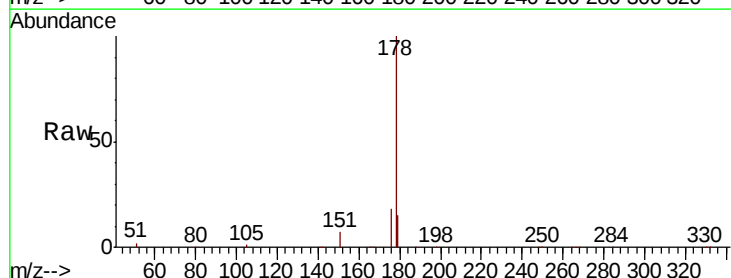
Tgt Ion:178 Resp: 40139

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

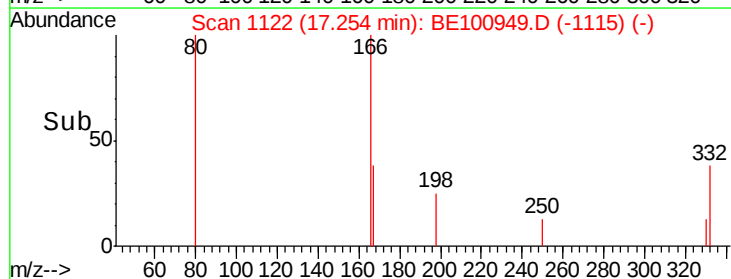
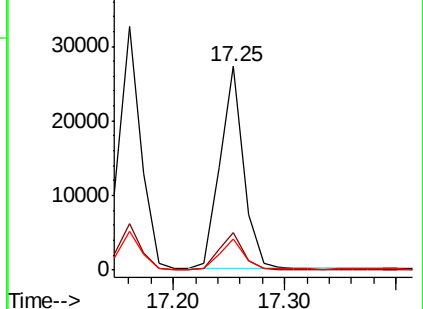
179 15.3 12.2 18.4



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: 0.384 ng

RT: 19.16 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

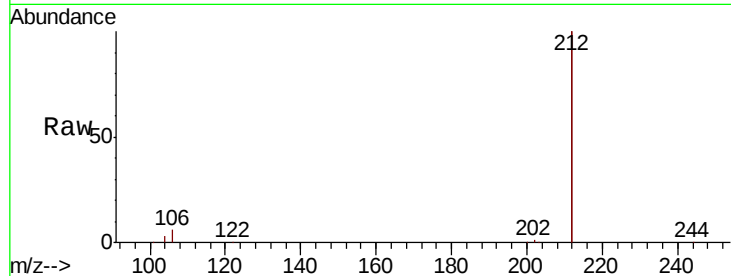
Tot Ion:212 Resp: 168254

Ion Ratio Lower Upper

212 100

106 3.5 2.6 4.0

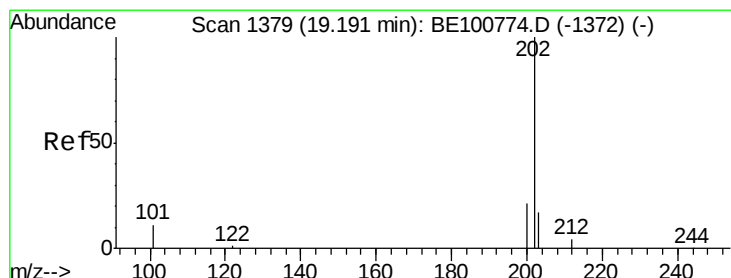
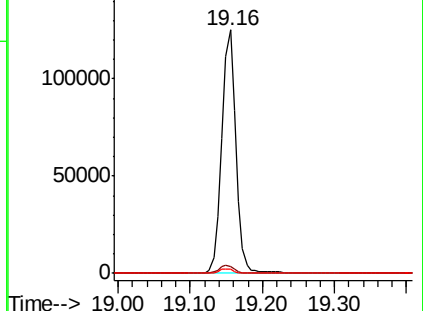
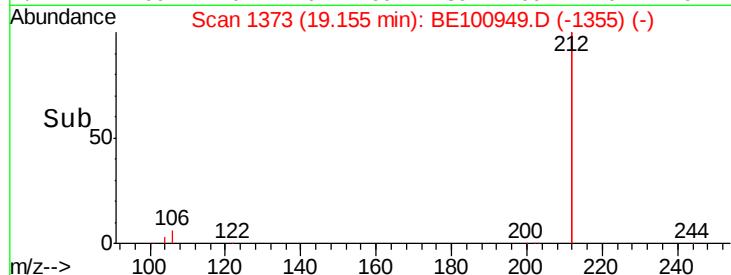
104 1.9 1.4 2.2



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: 0.383 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

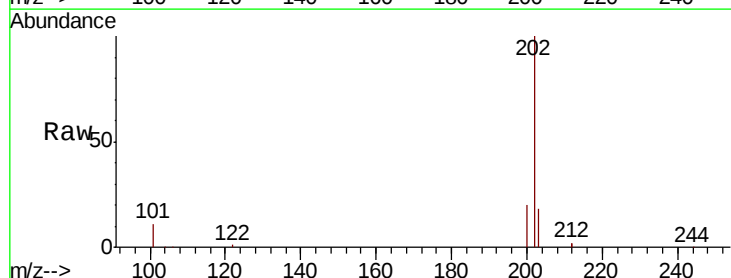
Tgt Ion:202 Resp: 51326

Ion Ratio Lower Upper

202 100

101 12.2 9.4 14.0

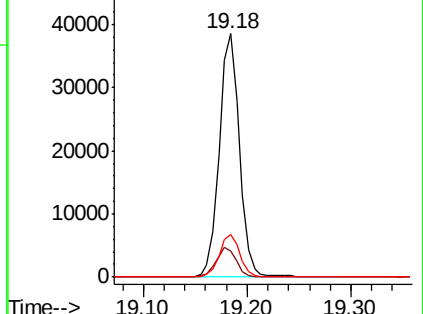
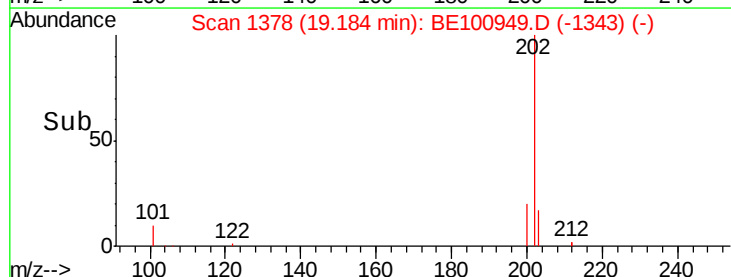
203 17.3 13.7 20.5



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

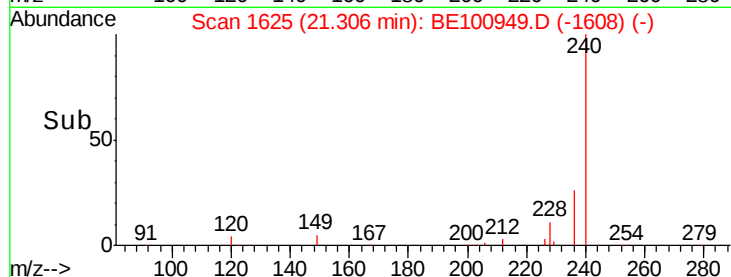
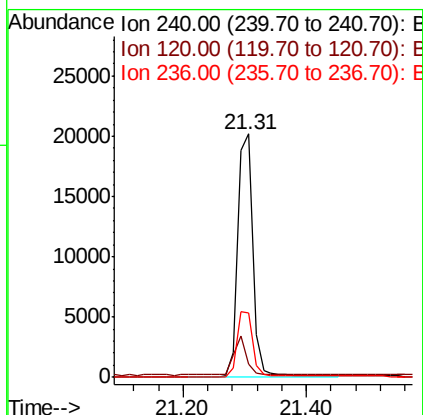
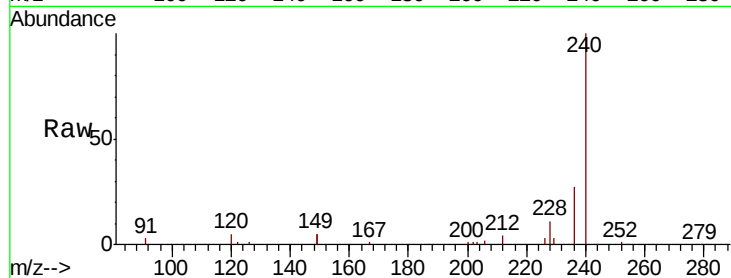




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

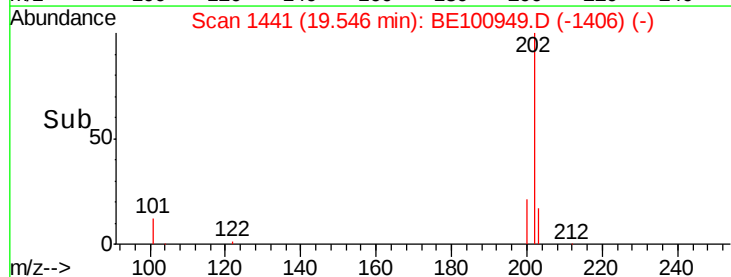
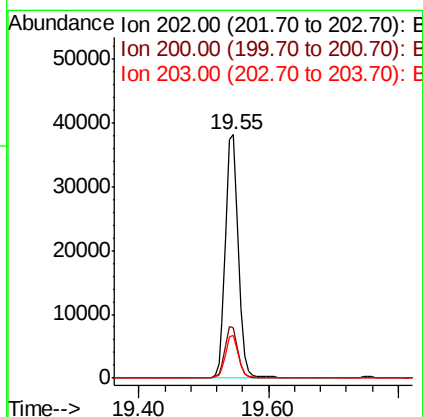
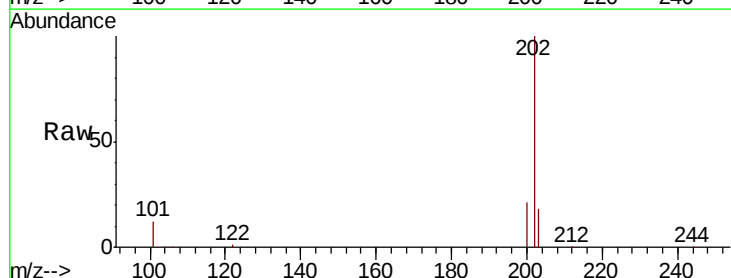
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:240 Resp: 33273
Ion Ratio Lower Upper
240 100
120 5.2 4.0 6.0
236 26.5 21.6 32.4



#28
Pyrene
Concen: 0.481 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

Tgt Ion:202 Resp: 52016
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.429 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

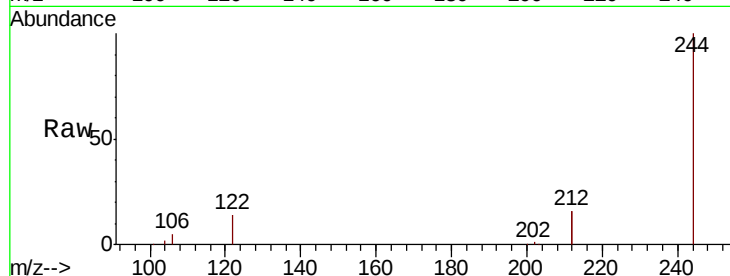
Tot Ion:244 Resp: 34210

Ion Ratio Lower Upper

244 100

212 32.5 25.2 37.8

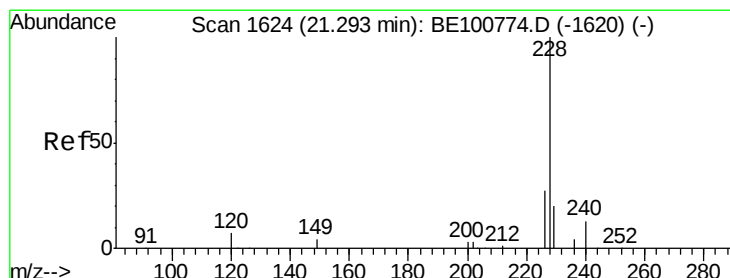
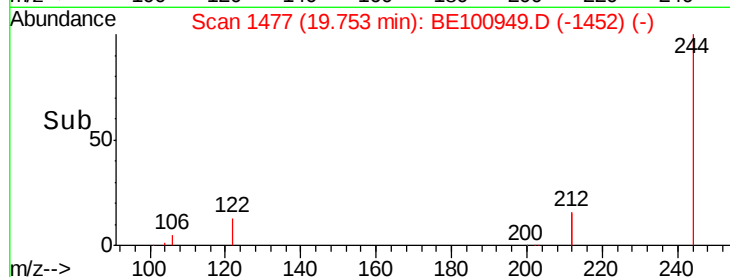
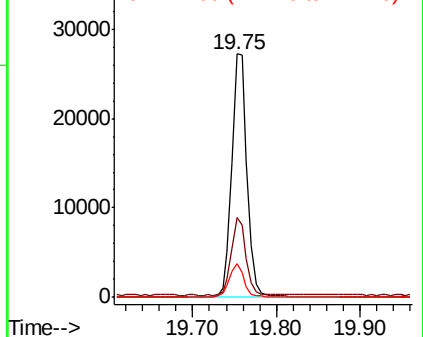
122 13.6 8.9 13.3#



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: 0.500 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

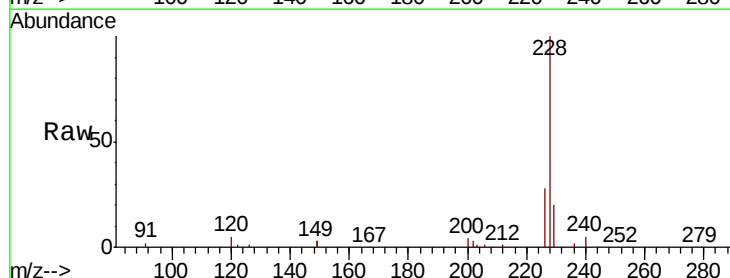
Tgt Ion:228 Resp: 49031

Ion Ratio Lower Upper

228 100

226 27.7 21.4 32.0

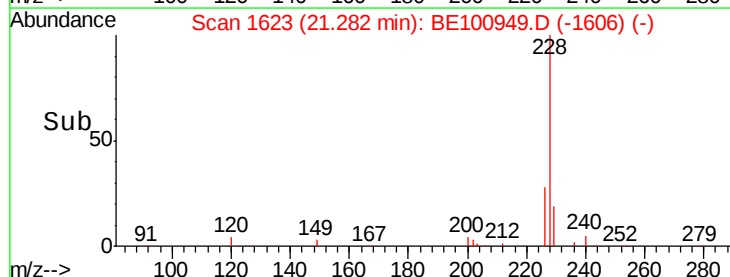
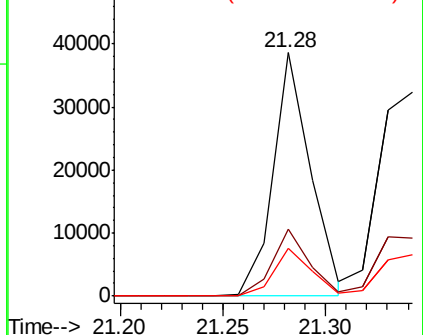
229 19.7 15.8 23.6



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: 0.450 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

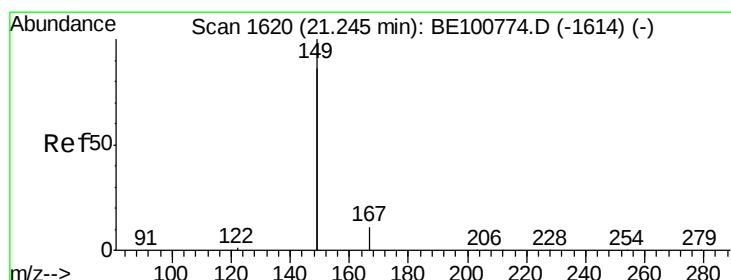
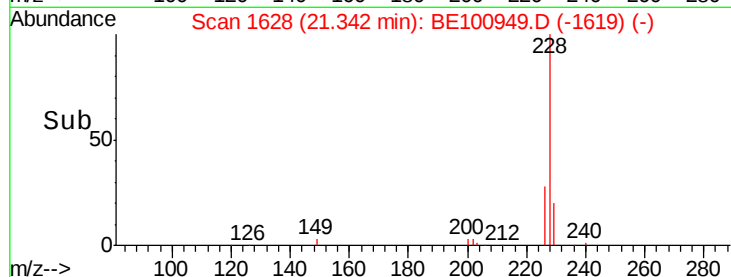
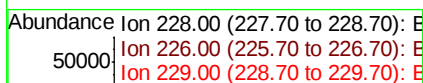
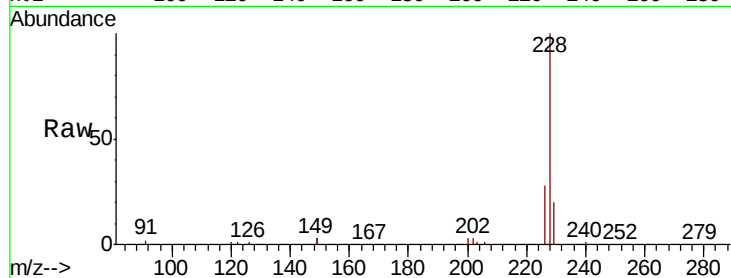
Tot Ion:228 Resp: 51860

Ion Ratio Lower Upper

228 100

226 28.4 25.3 37.9

229 20.0 15.2 22.8



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.276 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

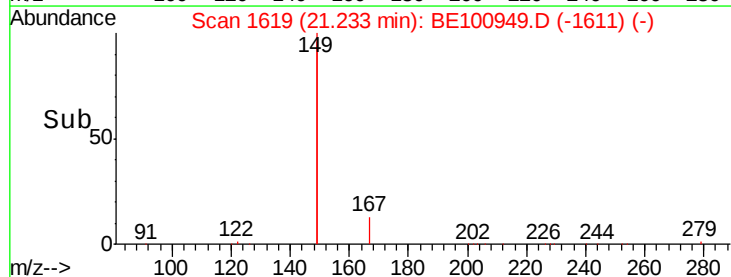
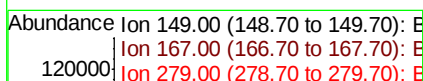
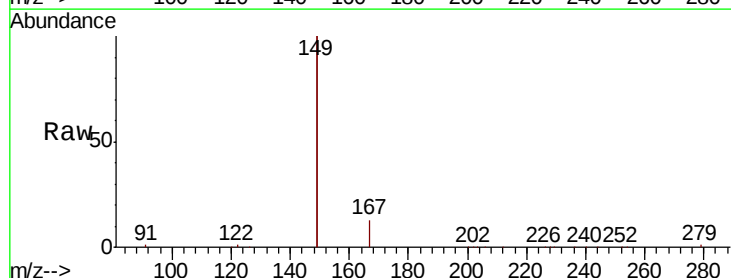
Tgt Ion:149 Resp: 102736

Ion Ratio Lower Upper

149 100

167 6.6 5.0 7.4

279 0.8 0.6 1.0

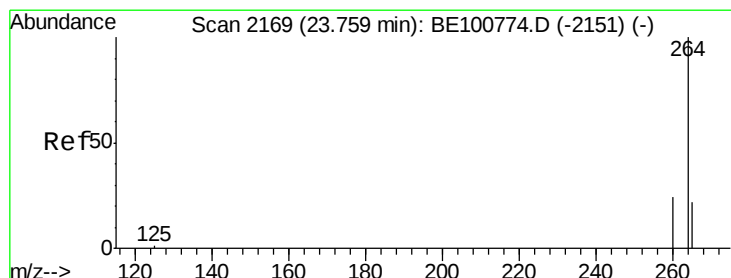
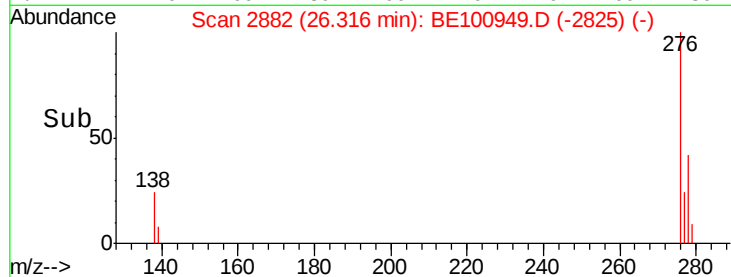
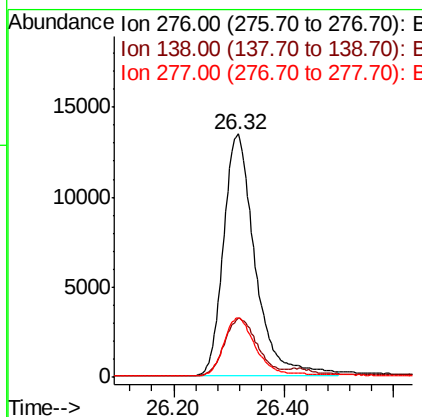
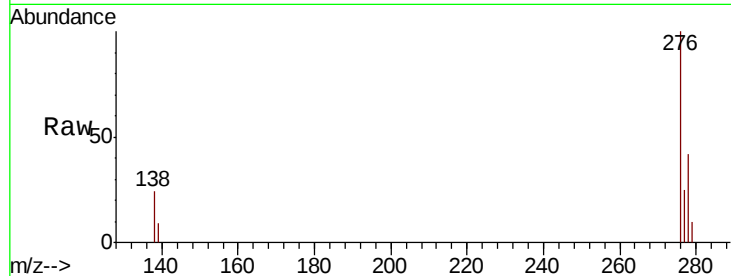




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.537 ng
 RT: 26.32 min Scan# 2882
 Delta R.T. 0.00 min
 Lab File: BE100949.D
 Acq: 17 Dec 2019 14:17

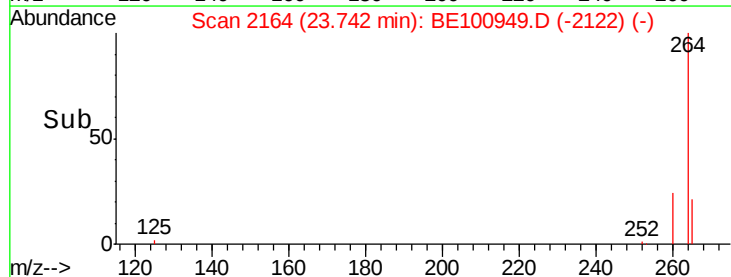
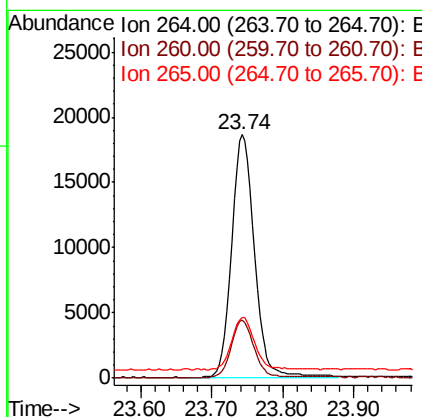
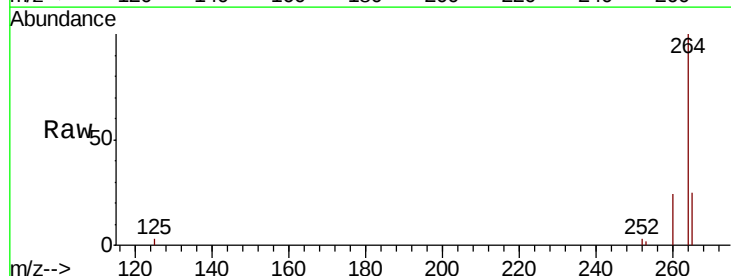
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tot Ion:276 Resp: 53869
 Ion Ratio Lower Upper
 276 100
 138 24.5 18.4 27.6
 277 24.5 19.4 29.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.74 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: BE100949.D
 Acq: 17 Dec 2019 14:17

Tgt Ion:264 Resp: 41090
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.0
 265 24.9 20.1 30.1

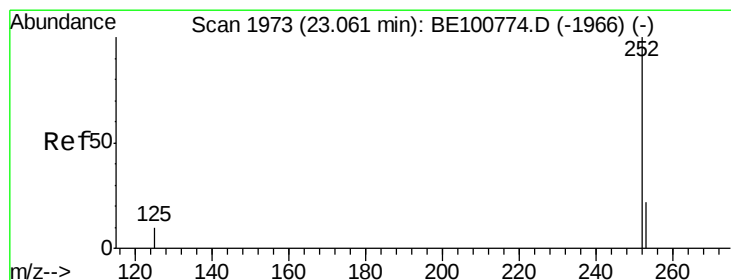
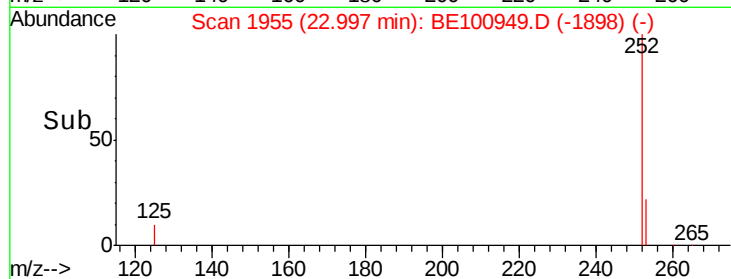
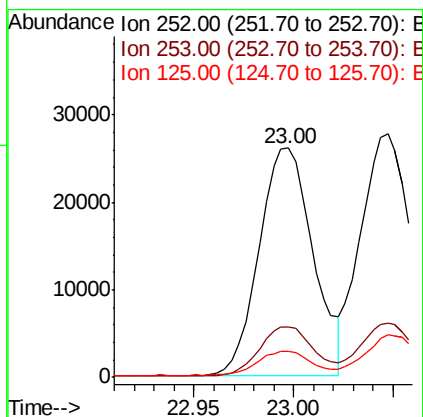
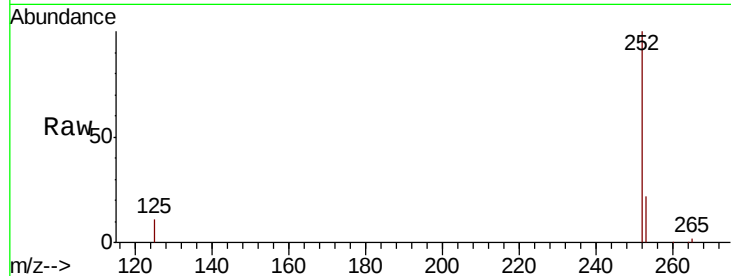




#35
Benzo(b)fluoranthene
Concen: 0.437 ng
RT: 23.00 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

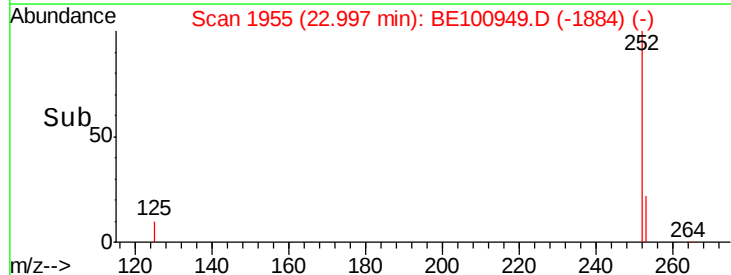
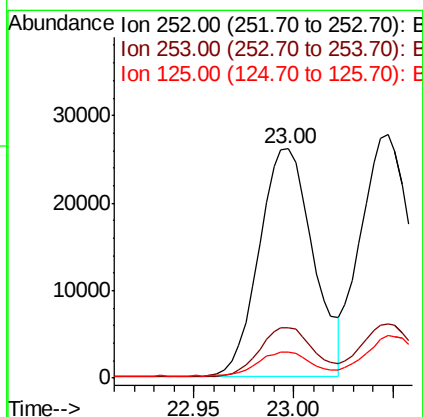
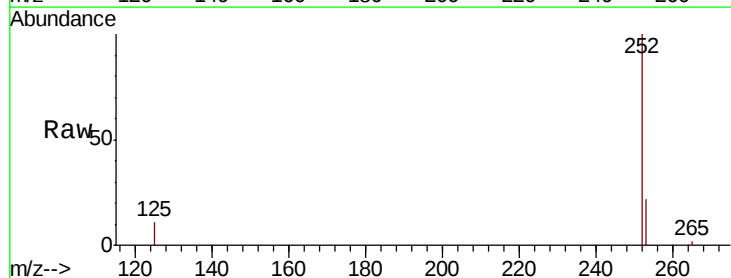
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:252 Resp: 49129
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 11.1 8.3 12.5



#36
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 23.00 min Scan# 1955
Delta R.T. -0.05 min
Lab File: BE100949.D
Acq: 17 Dec 2019 14:17

Tgt Ion:252 Resp: 49129
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 11.1 9.4 14.0





#37

Benzo(a)pyrene

Concen: 0.457 ng

RT: 23.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

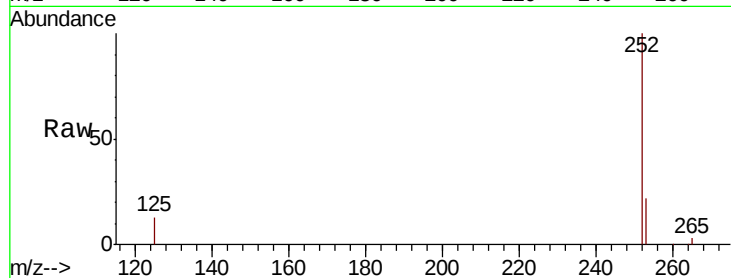
Tot Ion:252 Resp: 44528

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

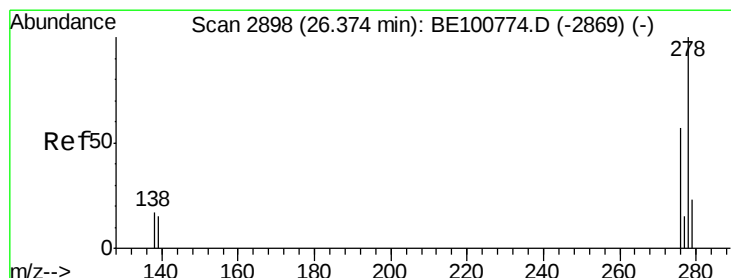
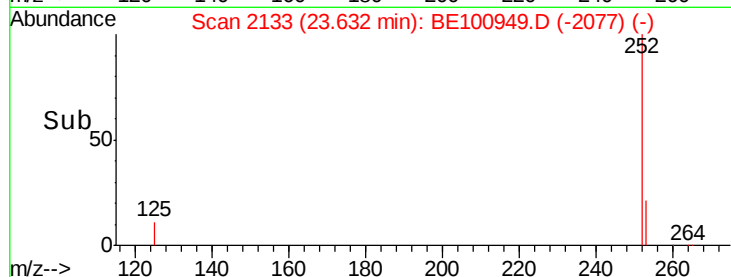
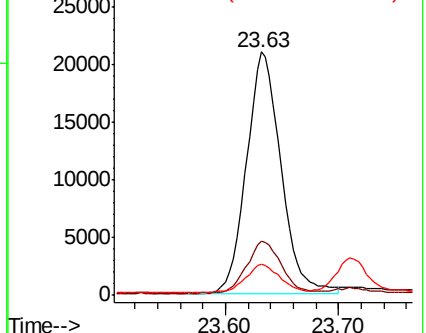
125 12.5 9.9 14.9



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: 0.448 ng

RT: 26.34 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

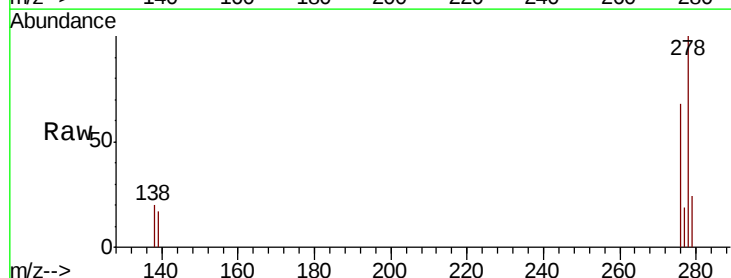
Tgt Ion:278 Resp: 43416

Ion Ratio Lower Upper

278 100

139 16.8 13.8 20.6

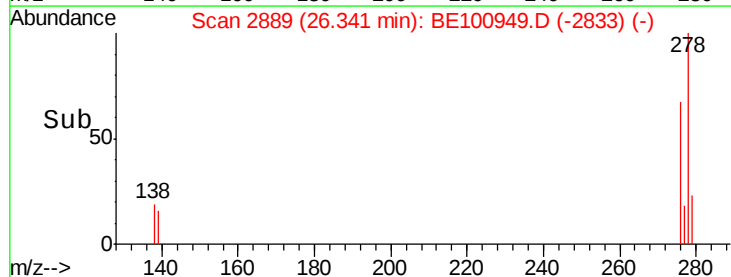
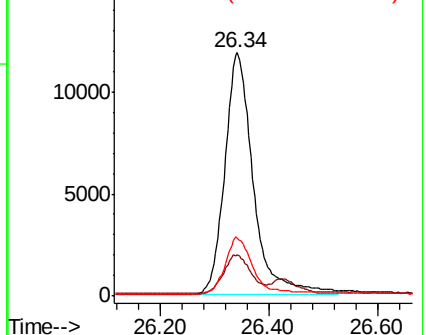
279 24.1 19.8 29.6



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: 0.439 ng

RT: 27.10 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BE100949.D

Acq: 17 Dec 2019 14:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

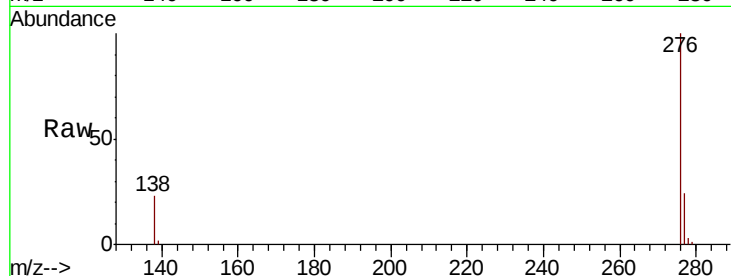
Tot Ion: 276 Resp: 45505

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

