

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
 Data File : BE100823.D
 Acq On : 10 Dec 2019 23:17
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 11 05:41:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 17:18:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	6235	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	30079	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	17136	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	35779	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	31508	0.40	ng	0.00
34) Perylene-d12	23.75	264	39676	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	6820	0.46	ng	0.00
5) Phenol-d6	6.93	99	10503	0.47	ng	0.00
8) Nitrobenzene-d5	8.90	82	7496	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	17017	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1113	0.58	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	24947	0.37	ng	-0.01
25) Fluoranthene-d10	19.16	212	136923	0.32	ng	0.00
29) Terphenyl-d14	19.76	244	29469	0.39	ng	0.00

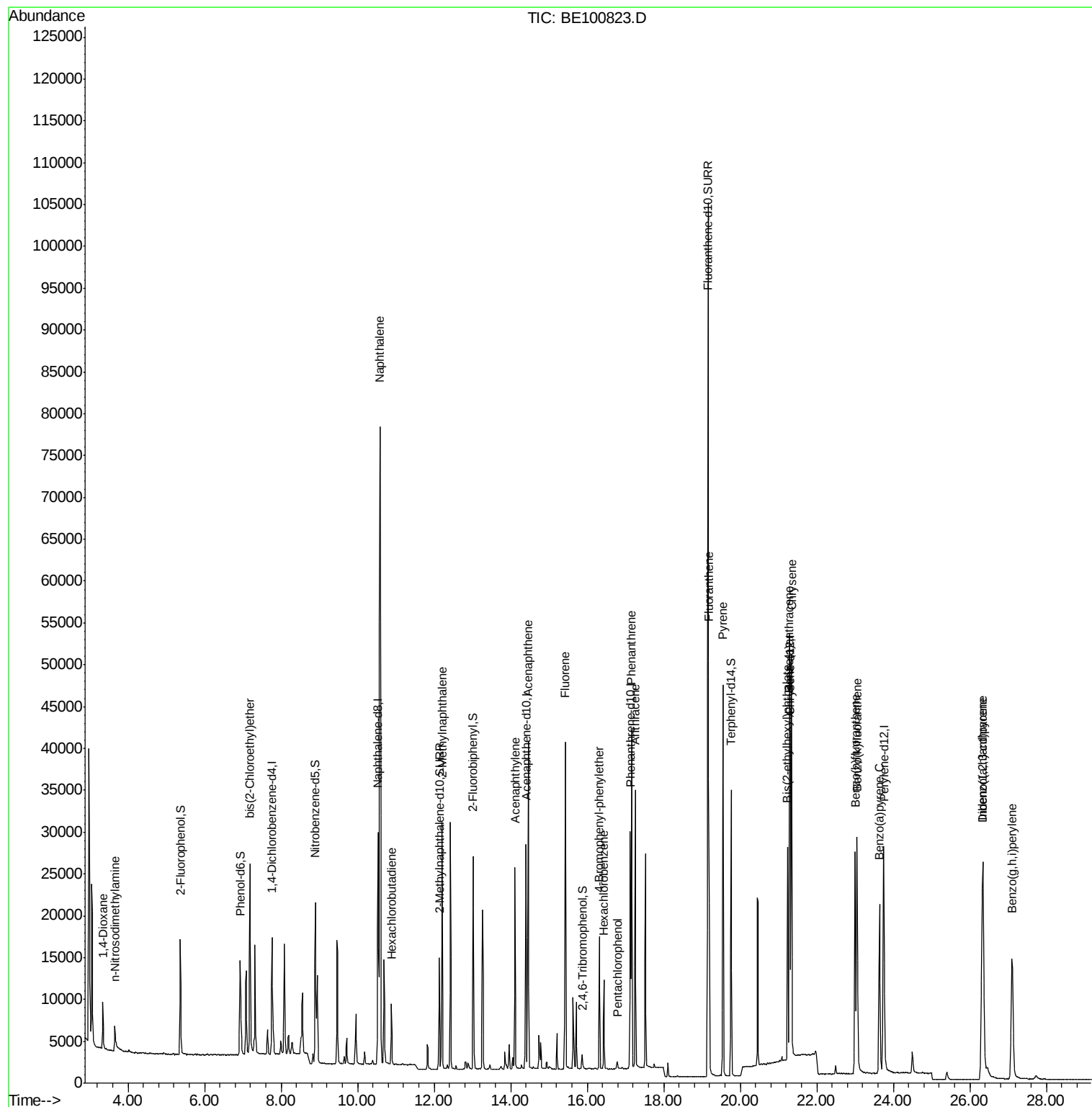
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3959	0.348	ng	96
3) n-Nitrosodimethylamine	3.65	42	3305	0.357	ng	# 88
6) bis(2-Chloroethyl)ether	7.19	93	8249	0.382	ng	100
9) Naphthalene	10.59	128	123077	0.385	ng	100
10) Hexachlorobutadiene	10.89	225	4683	0.376	ng	99
12) 2-Methylnaphthalene	12.21	142	19454	0.390	ng	95
16) Acenaphthylene	14.11	152	25901	0.365	ng	99
17) Acenaphthene	14.46	154	18577	0.380	ng	98
18) Fluorene	15.42	166	23160	0.368	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	6663	0.380	ng	# 65
21) Hexachlorobenzene	16.44	284	7347	0.385	ng	99
22) Pentachlorophenol	16.79	266	673	0.510	ng	85
23) Phenanthrene	17.16	178	41142	0.380	ng	100
24) Anthracene	17.26	178	32445	0.358	ng	99
26) Fluoranthene	19.19	202	42111	0.326	ng	100
28) Pyrene	19.55	202	41294	0.403	ng	100
30) Benzo(a)anthracene	21.28	228	36830	0.397	ng	97
31) Chrysene	21.34	228	41065	0.376	ng	97
32) Bis(2-ethylhexyl)phthalate	21.23	149	37510	0.572	ng	100
33) Indeno(1,2,3-cd)pyrene	26.32	276	42252	0.444	ng	99
35) Benzo(b)fluoranthene	23.00	252	36999	0.341	ng	99
36) Benzo(k)fluoranthene	23.05	252	42242	0.347	ng	98
37) Benzo(a)pyrene	23.64	252	32611	0.347	ng	99
38) Dibenzo(a,h)anthracene	26.35	278	34280	0.366	ng	99
39) Benzo(g,h,i)perylene	27.10	276	36164	0.361	ng	99

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

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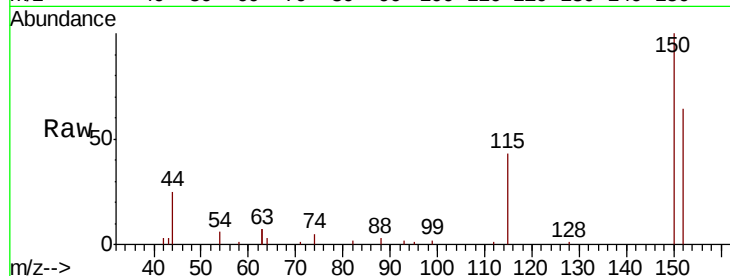




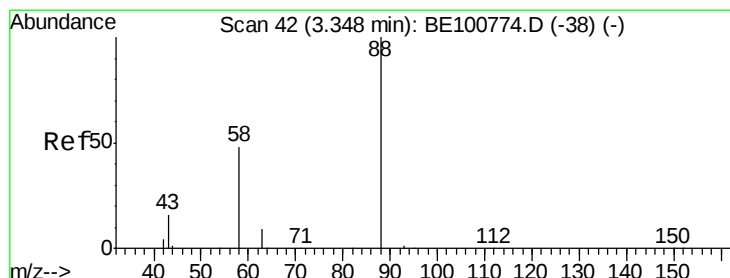
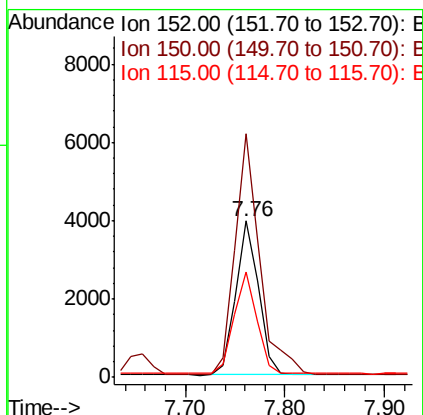
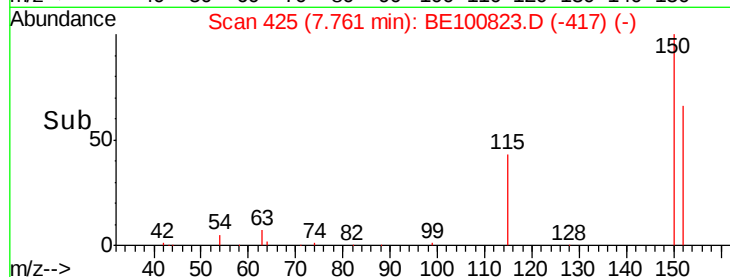
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.76 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: BE100823.D
 Acq: 10 Dec 2019 23:17

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tot Ion:152 Resp: 6235
 Ion Ratio Lower Upper
 152 100
 150 155.6 120.6 181.0
 115 67.0 47.4 71.2

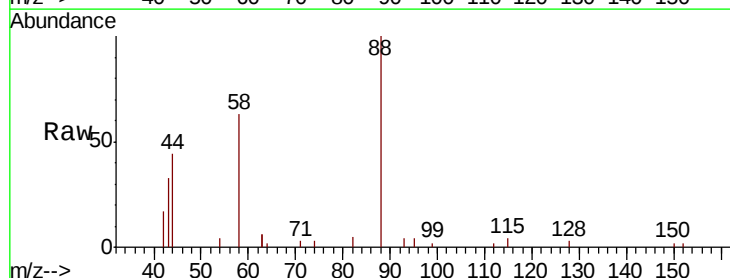


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

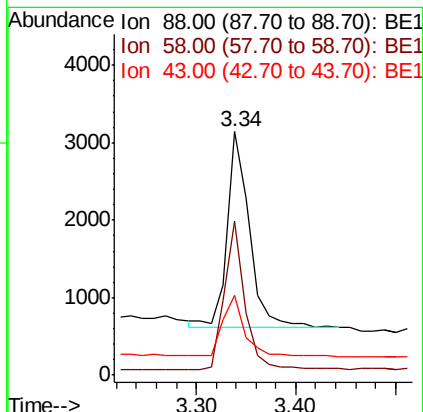
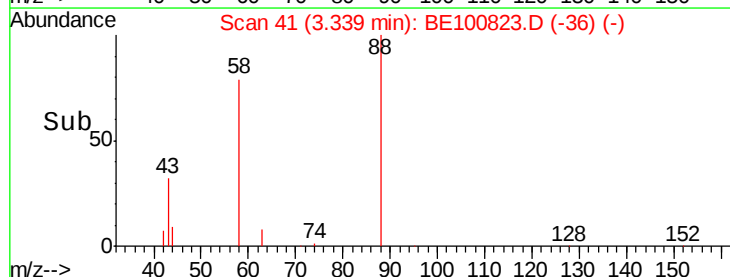


#2
 1,4-Dioxane
 Concen: 0.348 ng
 RT: 3.34 min Scan# 41
 Delta R.T. -0.01 min
 Lab File: BE100823.D
 Acq: 10 Dec 2019 23:17

Tgt Ion: 88 Resp: 3959
 Ion Ratio Lower Upper
 88 100
 58 69.0 52.5 78.7
 43 30.4 23.0 34.6



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



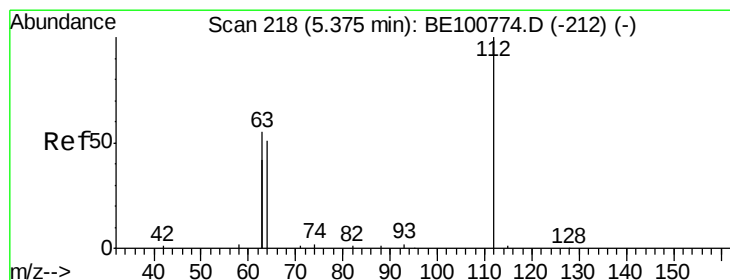
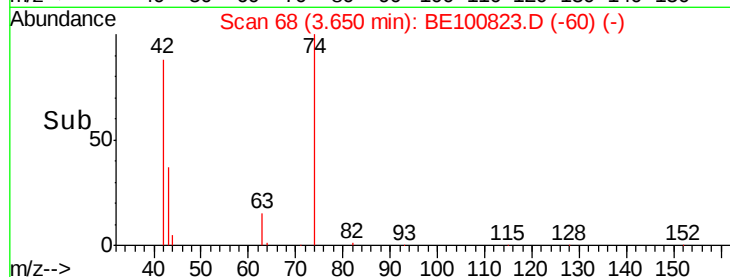
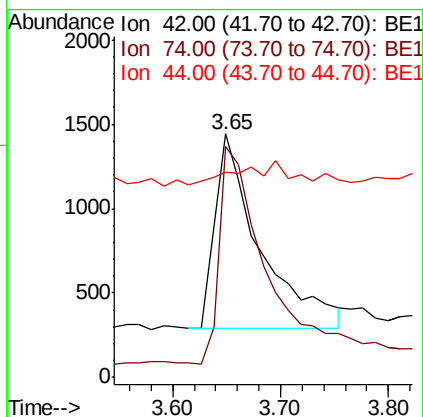
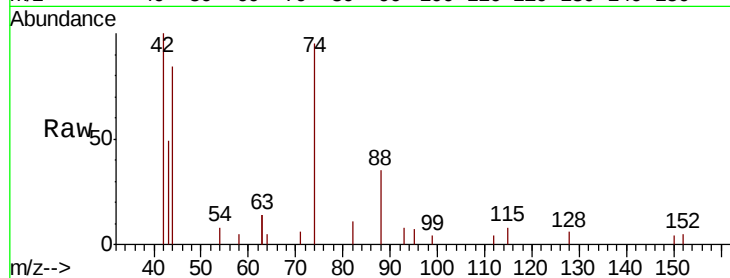


#3

n-Nitrosodimethylamine
 Concen: 0.357 ng
 RT: 3.65 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: BE100823.D
 Acq: 10 Dec 2019 23:17

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

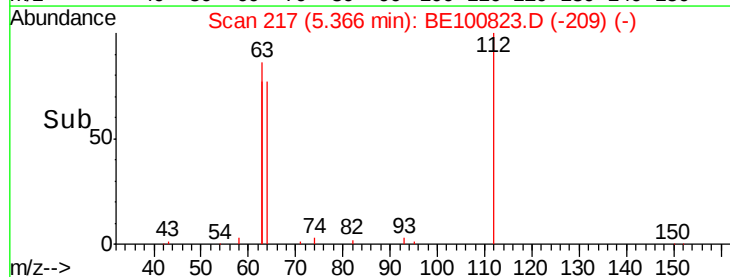
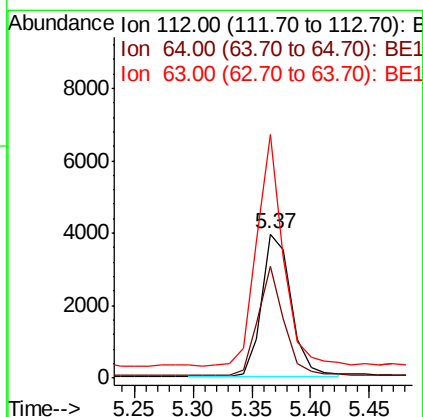
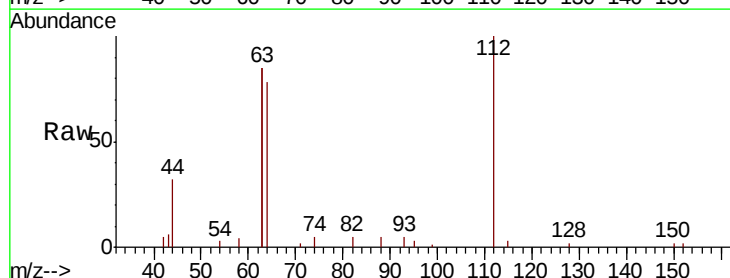
Tot Ion: 42 Resp: 3305
 Ion Ratio Lower Upper
 42 100
 74 116.7 86.3 129.5
 44 0.0 11.6 17.4#



#4

2-Fluorophenol
 Concen: 0.461 ng
 RT: 5.37 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: BE100823.D
 Acq: 10 Dec 2019 23:17

Tgt Ion: 112 Resp: 6820
 Ion Ratio Lower Upper
 112 100
 64 68.4 54.1 81.1
 63 145.9 113.2 169.8





#5

Phenol-d6

Concen: 0.470 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

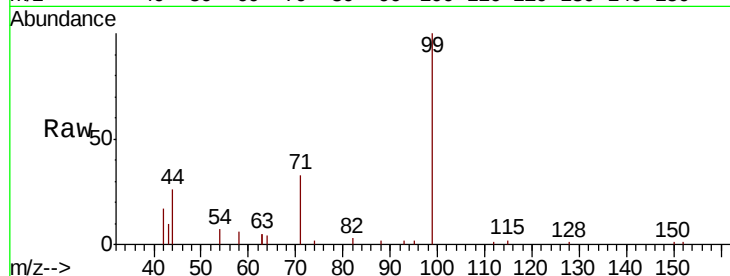
Tot Ion: 99 Resp: 10503

Ion Ratio Lower Upper

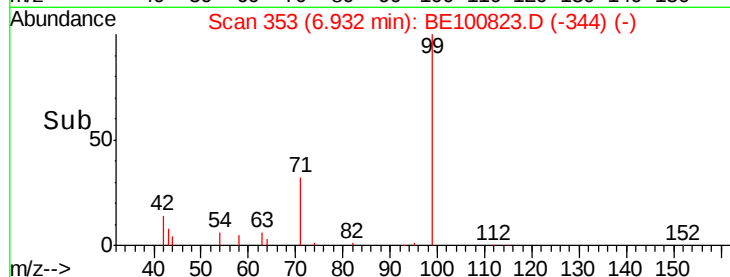
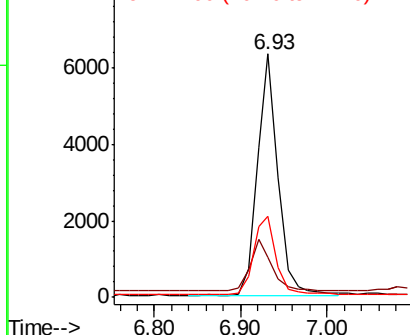
99 100

42 22.9 19.1 28.7

71 35.6 27.7 41.5



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: 0.382 ng

RT: 7.19 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

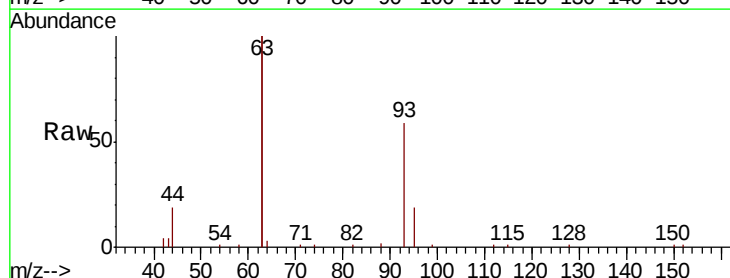
Tgt Ion: 93 Resp: 8249

Ion Ratio Lower Upper

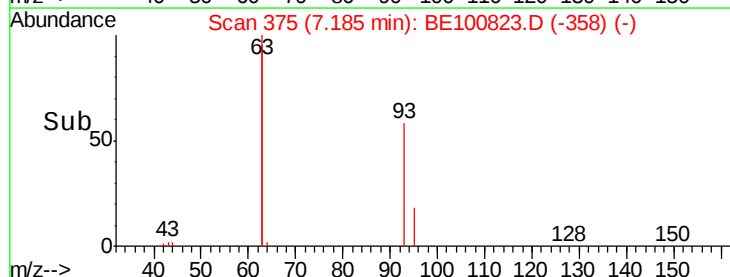
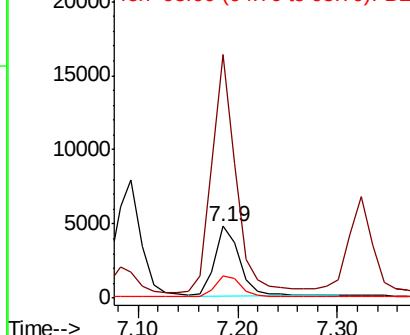
93 100

63 324.2 259.4 389.0

95 33.6 26.2 39.2



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: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 30079

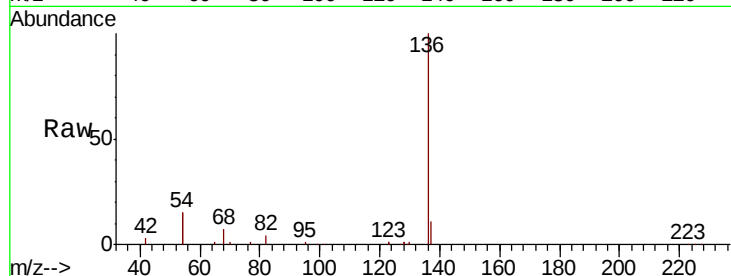
Ion Ratio Lower Upper

136 100

137 11.1 9.4 14.0

54 30.4 31.1 46.7#

68 6.6 6.6 10.0#



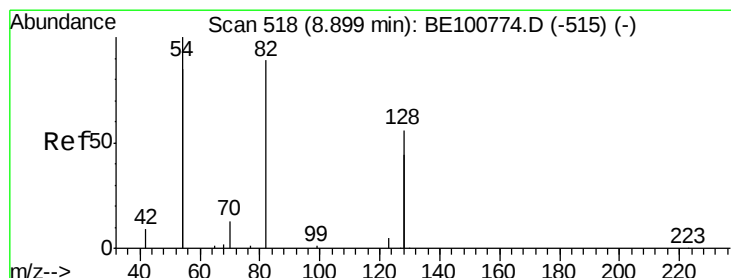
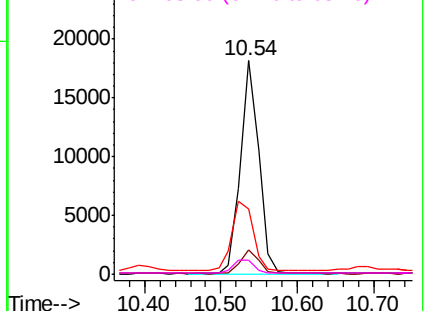
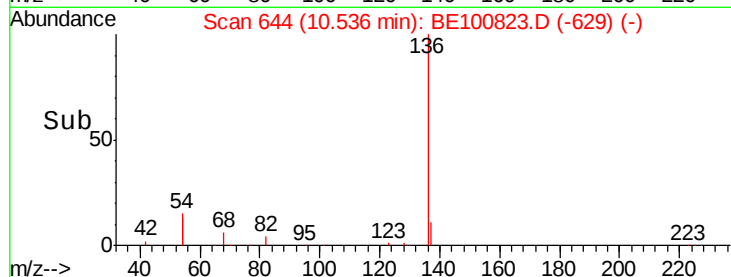
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.523 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

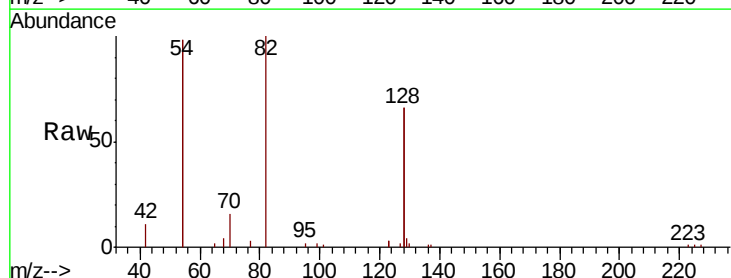
Tgt Ion: 82 Resp: 7496

Ion Ratio Lower Upper

82 100

128 132.5 97.0 145.4

54 196.0 171.8 257.6

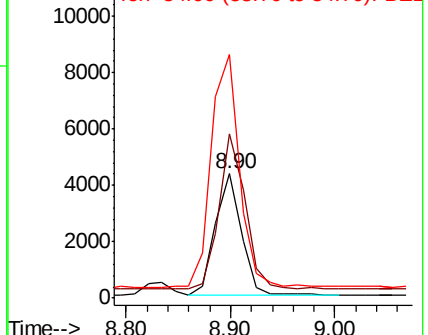
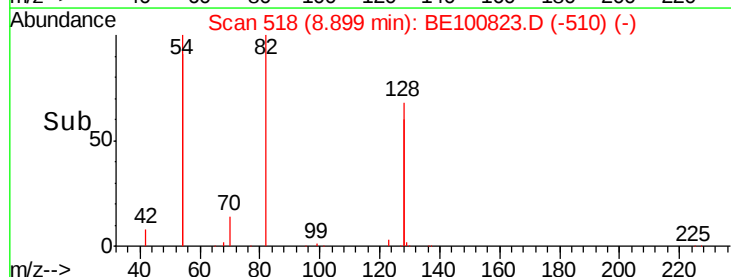


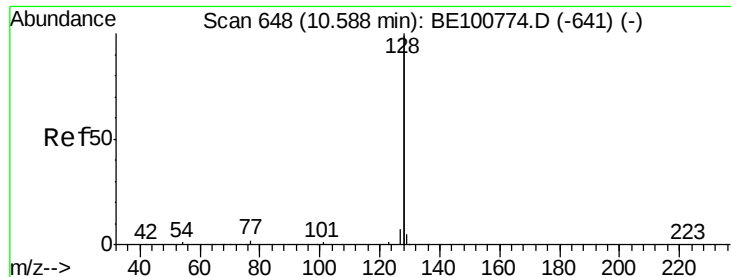
Abundance

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: 0.385 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

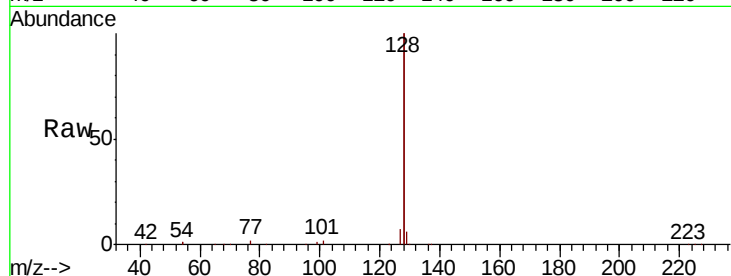
Tot Ion:128 Resp: 123077

Ion Ratio Lower Upper

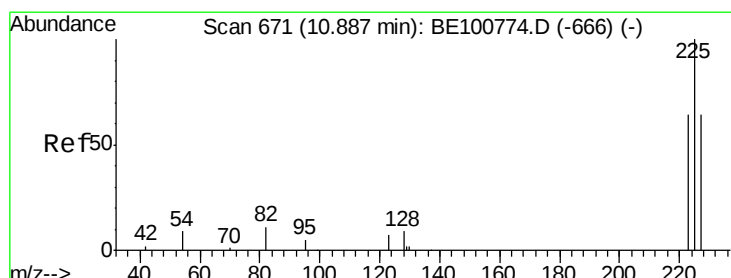
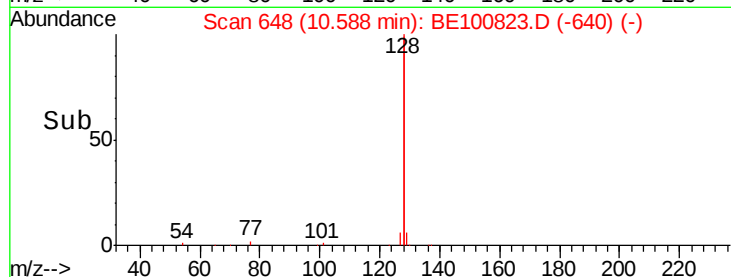
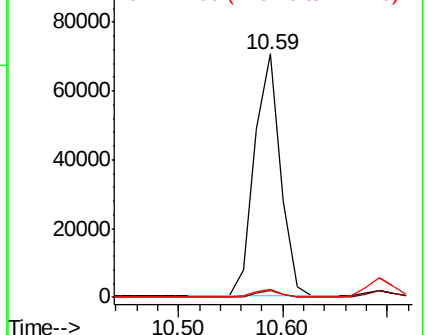
128 100

129 2.9 2.2 3.4

127 3.3 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.376 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

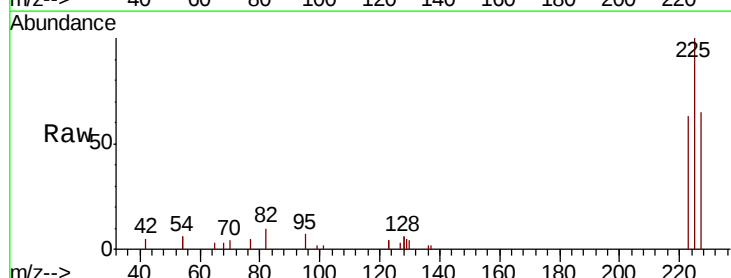
Tgt Ion:225 Resp: 4683

Ion Ratio Lower Upper

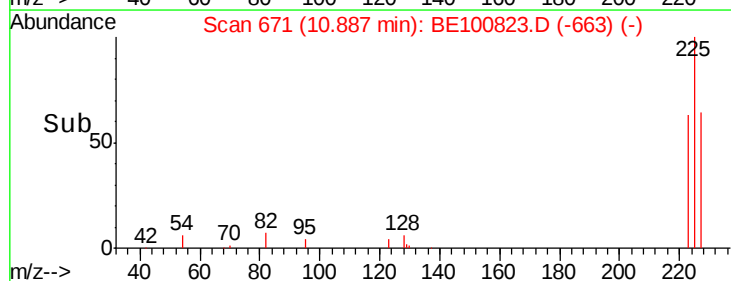
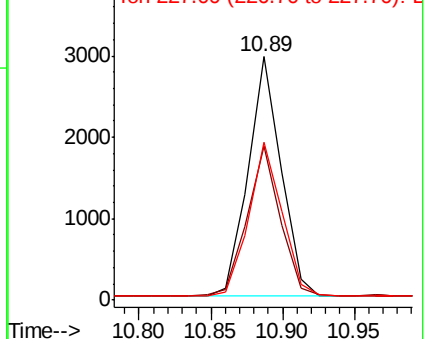
225 100

223 62.3 49.9 74.9

227 64.1 52.2 78.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

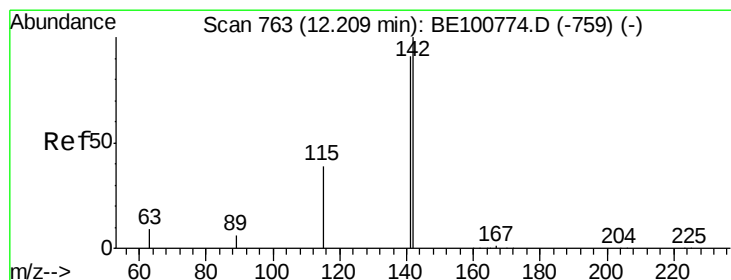
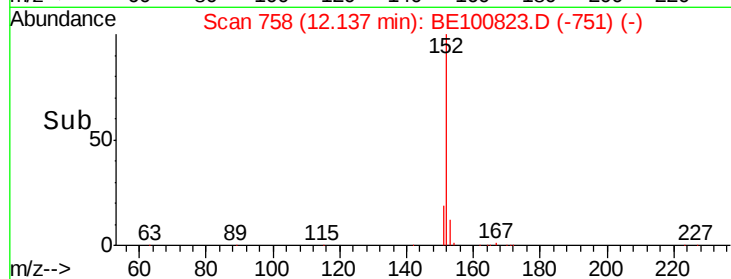
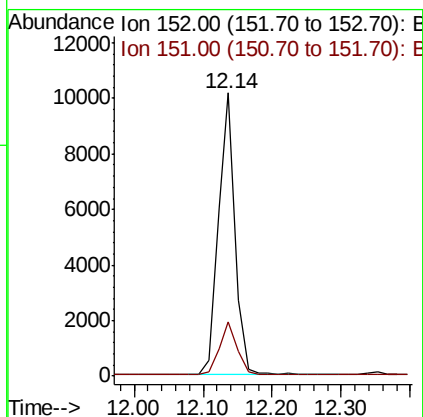
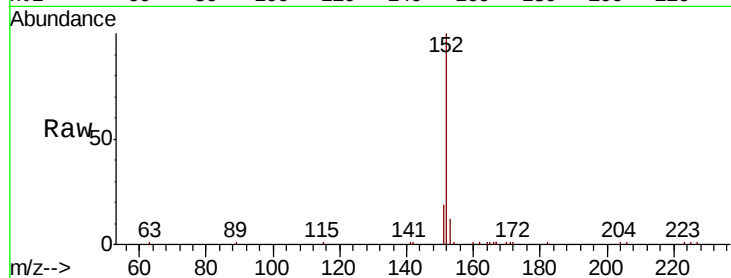




#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

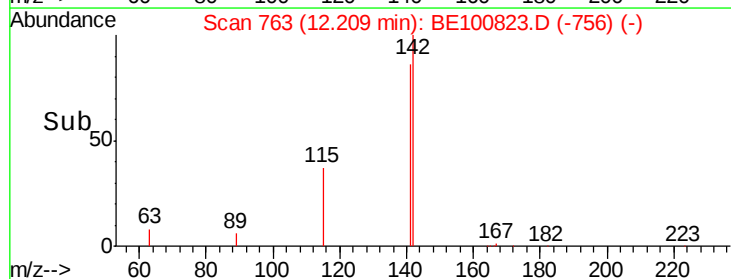
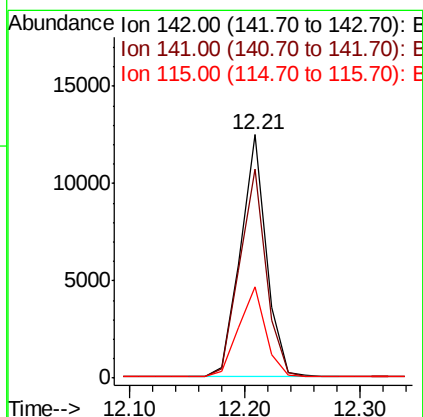
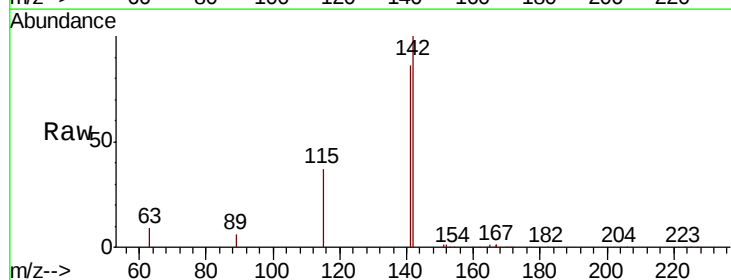
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:152 Resp: 17017
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8



#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

Tgt Ion:142 Resp: 19454
Ion Ratio Lower Upper
142 100
141 85.7 72.6 108.8
115 37.5 31.8 47.6

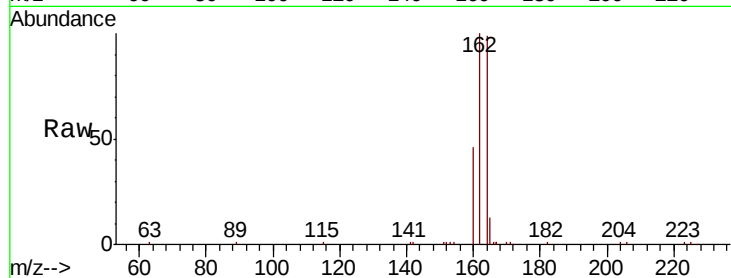




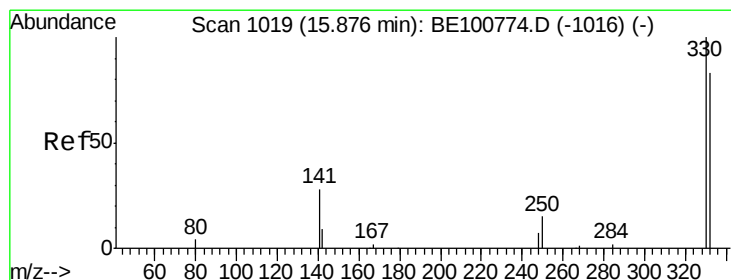
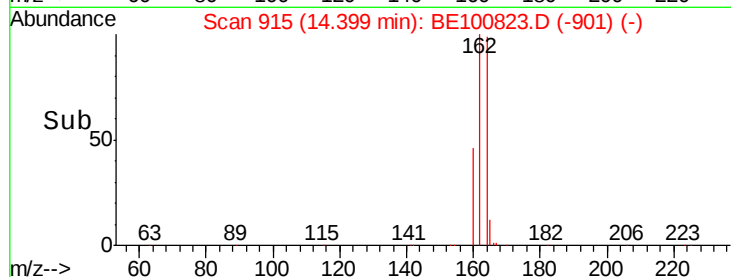
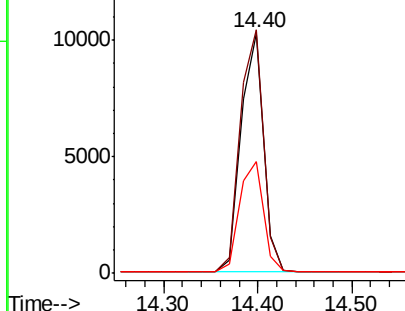
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:164 Resp: 17136
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 46.7 39.4 59.0

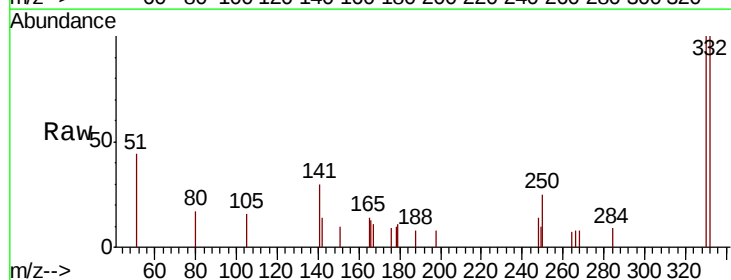


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

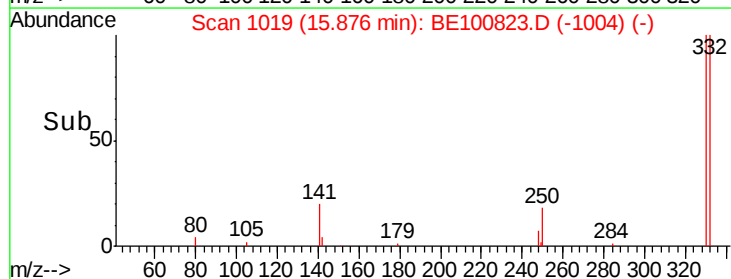
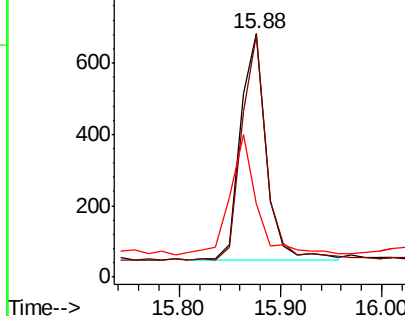


#14
2,4,6-Tribromophenol
Concen: 0.584 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

Tgt Ion:330 Resp: 1113
Ion Ratio Lower Upper
330 100
332 98.3 69.4 104.2
141 54.8 51.1 76.7



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

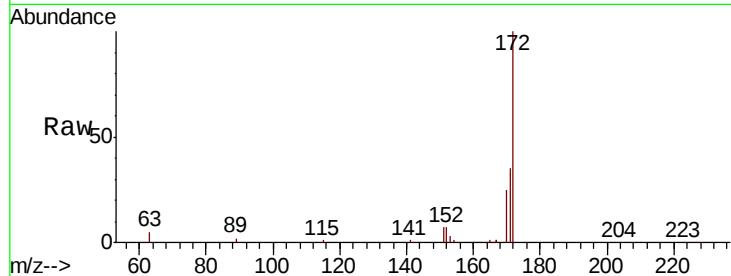




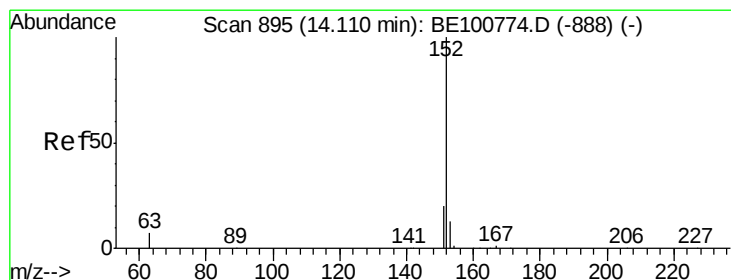
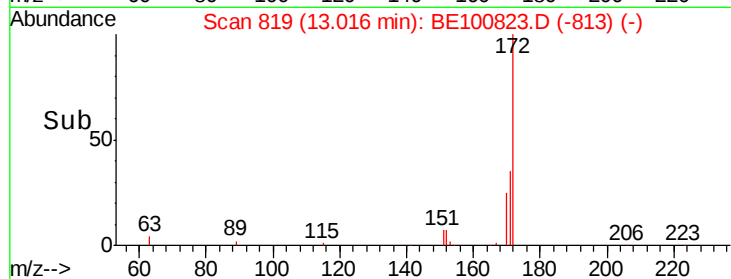
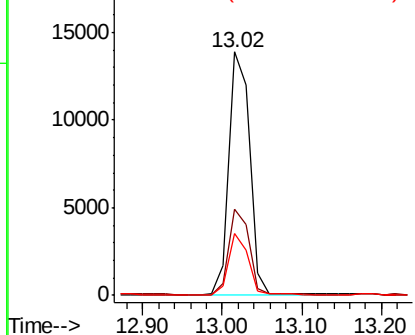
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:172 Resp: 24947
Ion Ratio Lower Upper
172 100
171 35.3 27.2 40.8
170 25.5 18.0 27.0

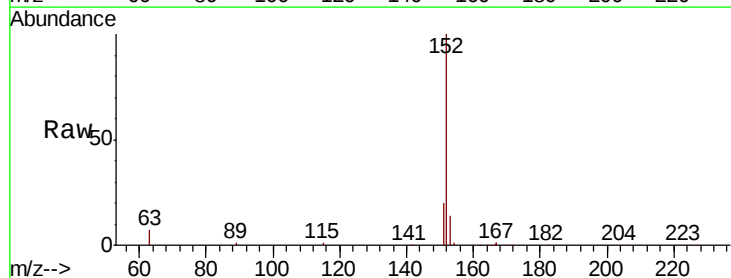


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

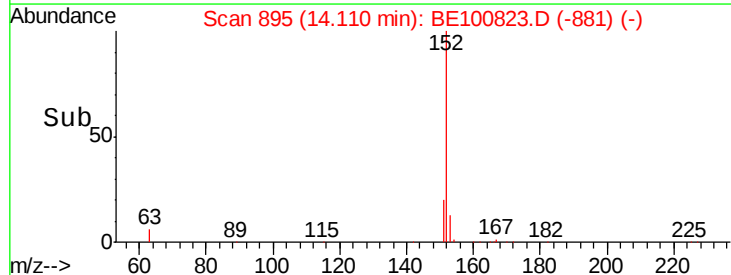
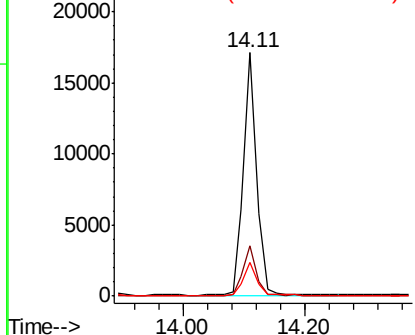


#16
Acenaphthylene
Concen: 0.365 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

Tgt Ion:152 Resp: 25901
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.6
153 13.2 10.4 15.6



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

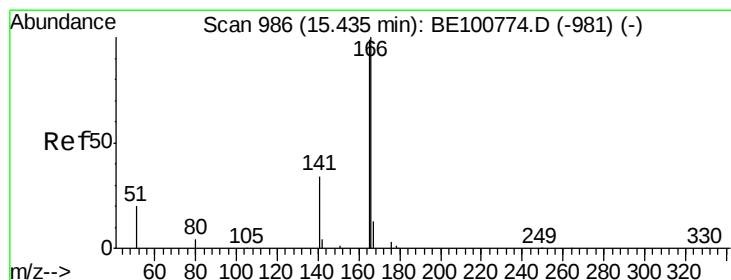
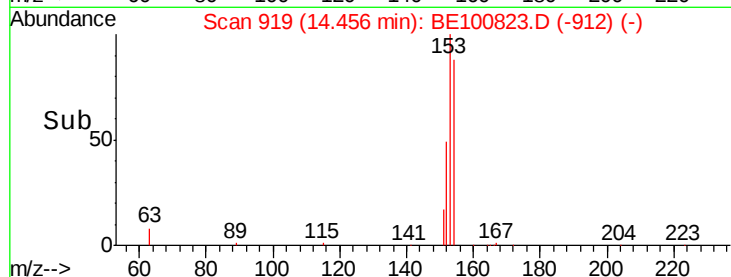
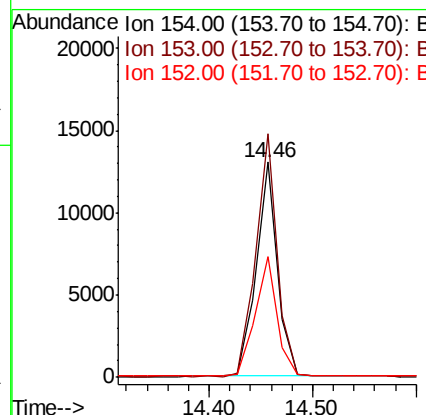
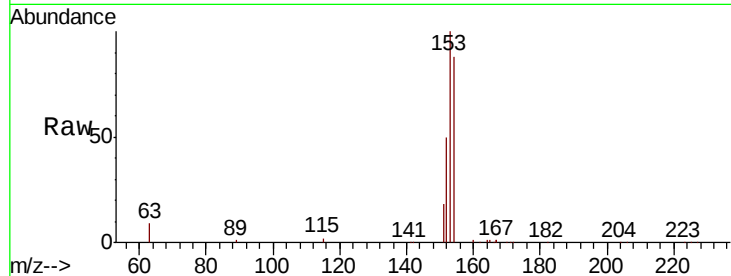




#17
Acenaphthene
Concen: 0.380 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

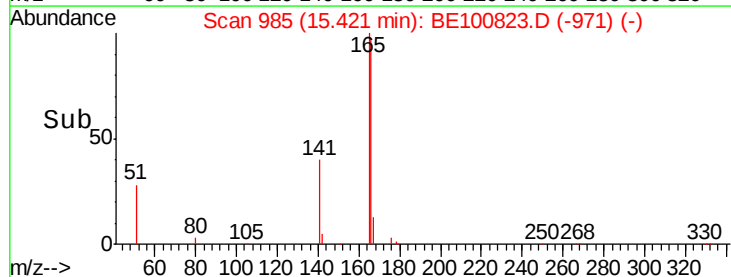
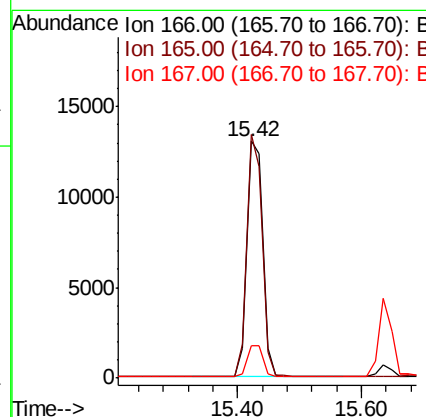
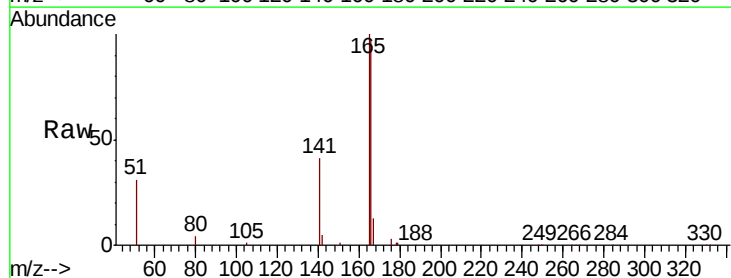
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

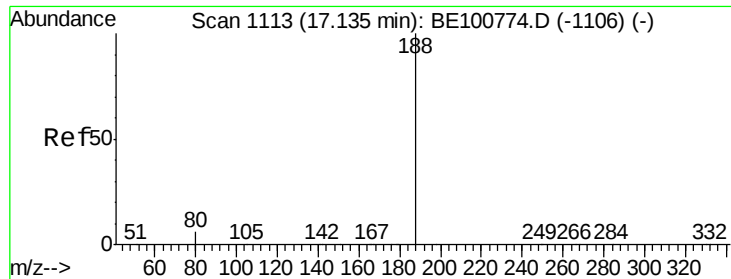
Tot Ion:154 Resp: 18577
Ion Ratio Lower Upper
154 100
153 114.1 92.2 138.2
152 58.2 49.1 73.7



#18
Fluorene
Concen: 0.368 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.01 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

Tgt Ion:166 Resp: 23160
Ion Ratio Lower Upper
166 100
165 98.9 80.5 120.7
167 13.6 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

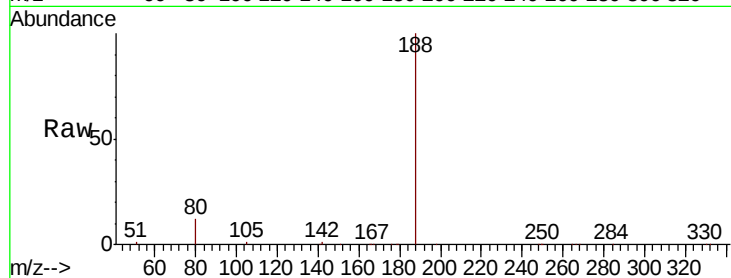
Tot Ion:188 Resp: 35779

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

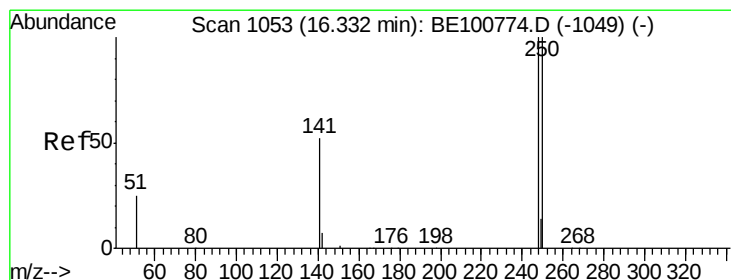
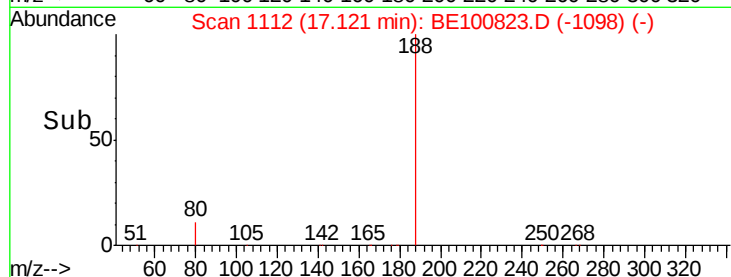
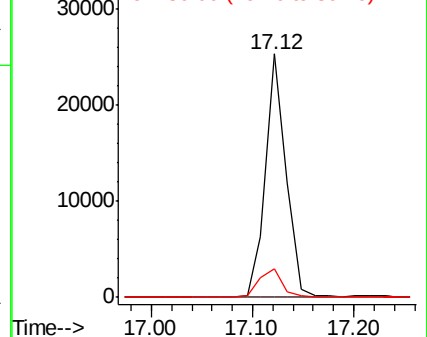
80 11.8 5.2 7.8#



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: 0.380 ng

RT: 16.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

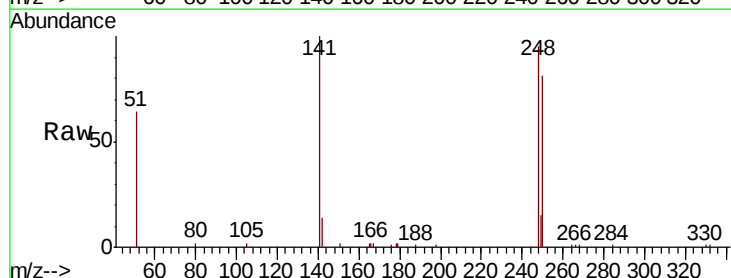
Tgt Ion:248 Resp: 6663

Ion Ratio Lower Upper

248 100

250 85.9 80.5 120.7

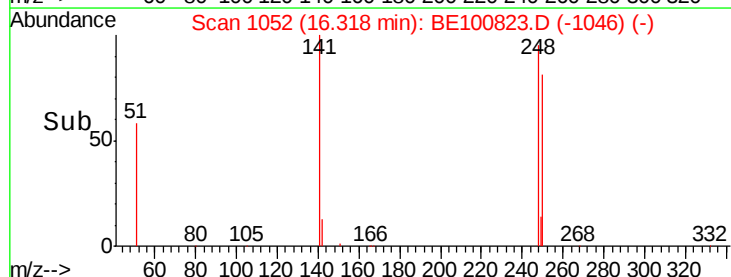
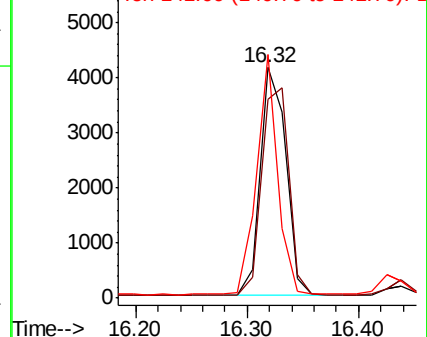
141 105.6 42.6 64.0#

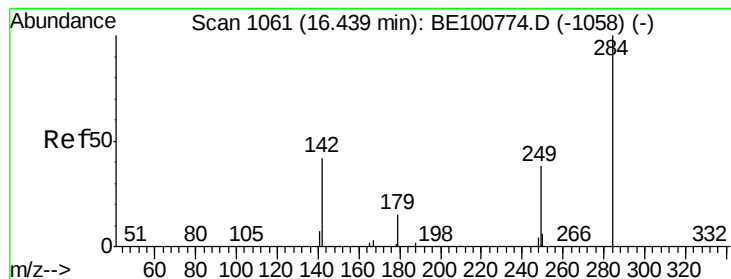


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.385 ng

RT: 16.44 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

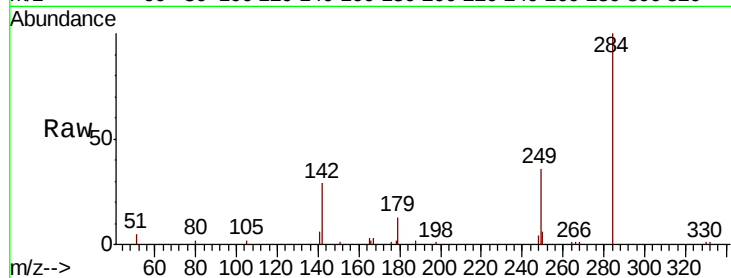
Tot Ion:284 Resp: 7347

Ion Ratio Lower Upper

284 100

142 44.2 34.4 51.6

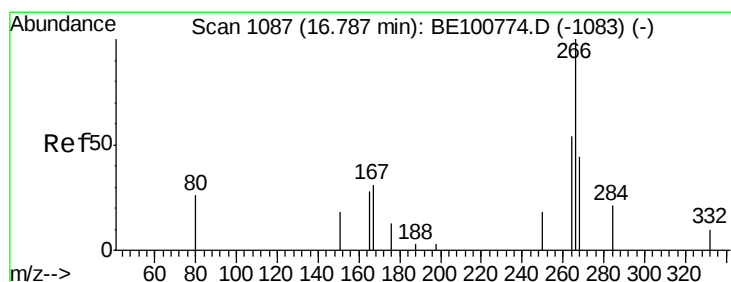
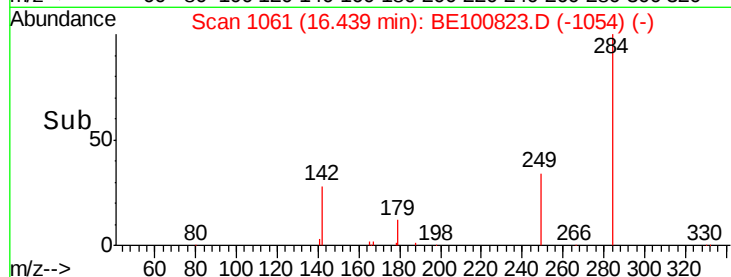
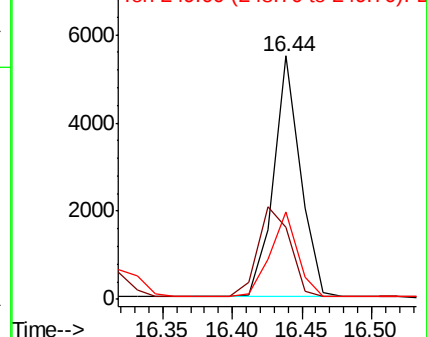
249 35.9 28.5 42.7



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: 0.510 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

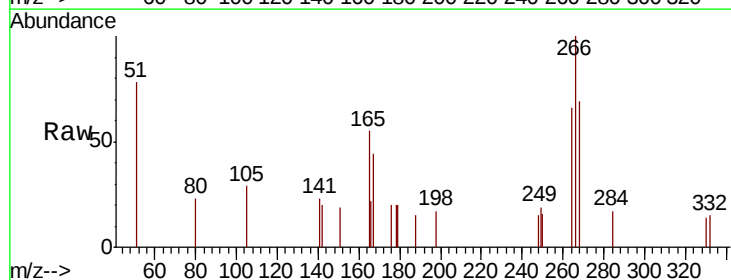
Tgt Ion:266 Resp: 673

Ion Ratio Lower Upper

266 100

264 66.0 63.4 95.0

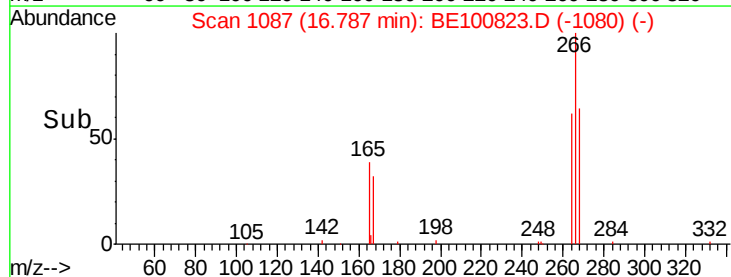
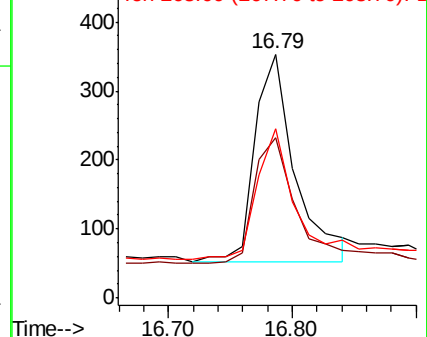
268 69.4 65.8 98.8



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: 0.380 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

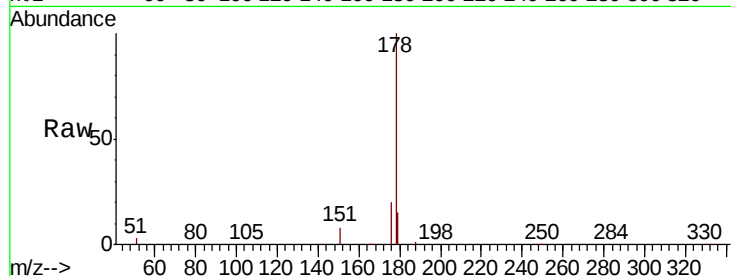
Tot Ion:178 Resp: 41142

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

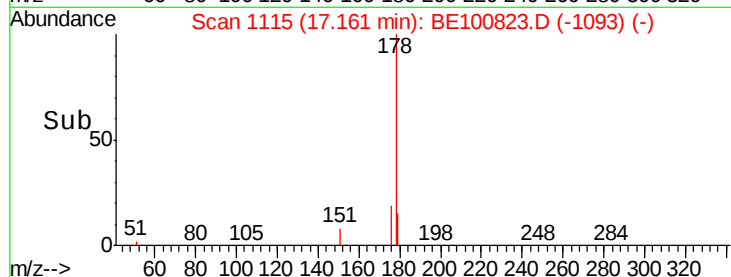
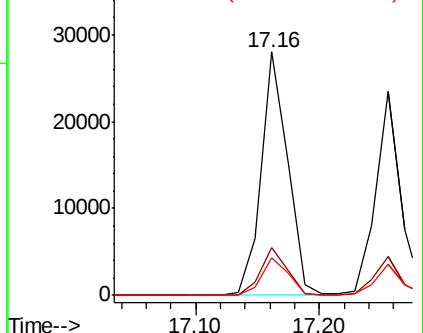
179 15.4 12.3 18.5



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: 0.358 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

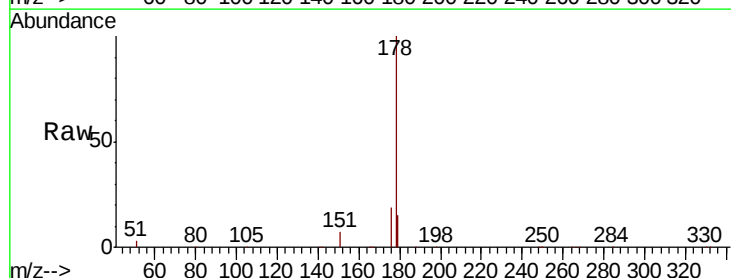
Tgt Ion:178 Resp: 32445

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

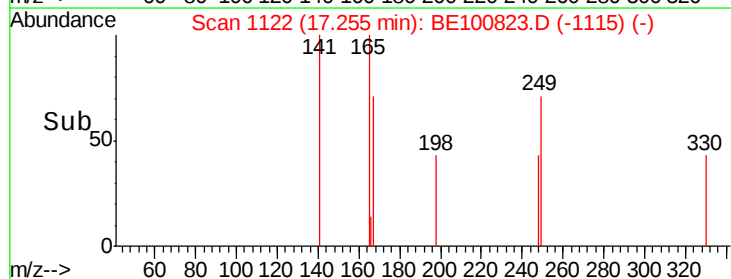
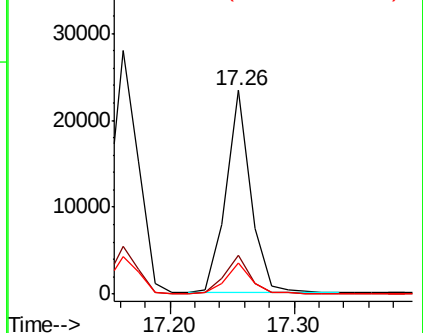
179 15.3 12.7 19.1



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: 0.324 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

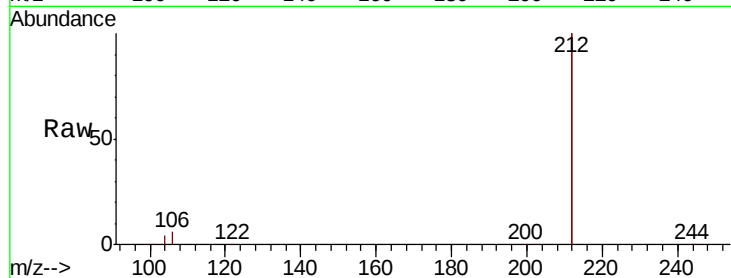
Tot Ion:212 Resp: 136923

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

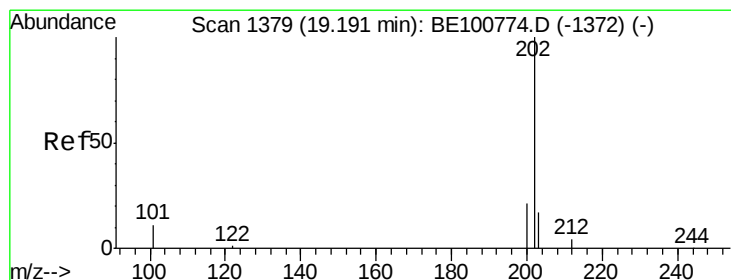
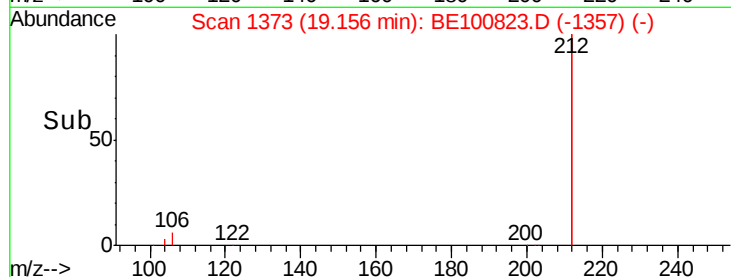
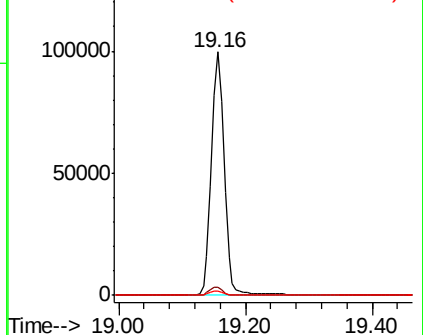
104 1.9 1.4 2.2



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: 0.326 ng

RT: 19.19 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

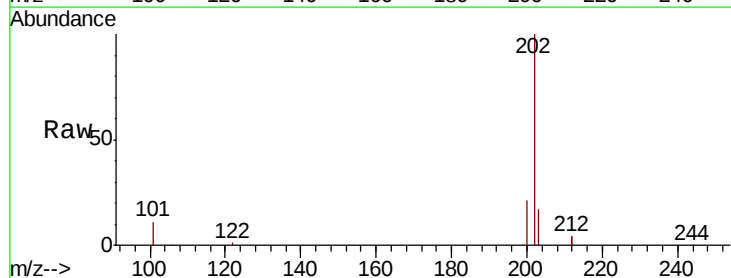
Tgt Ion:202 Resp: 42111

Ion Ratio Lower Upper

202 100

101 11.4 9.1 13.7

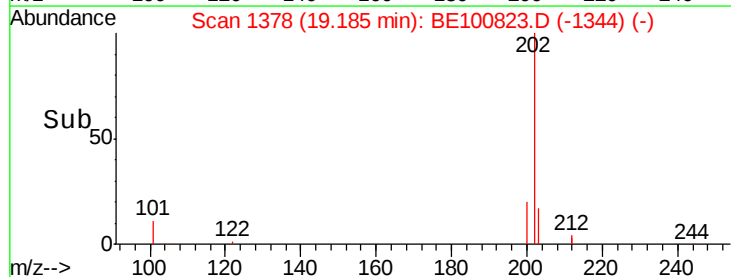
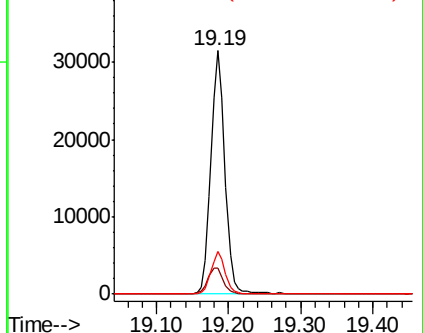
203 16.9 13.8 20.6



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

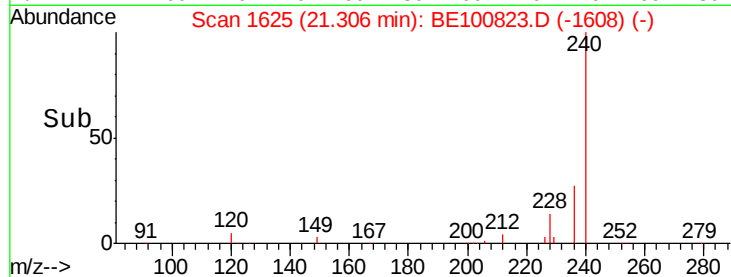
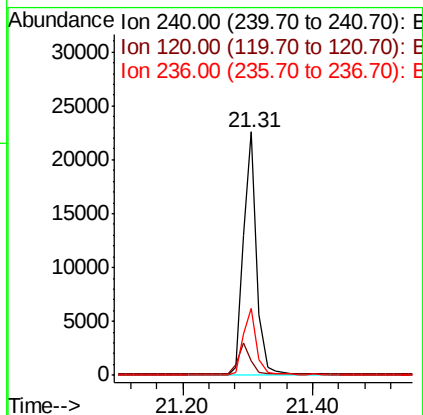
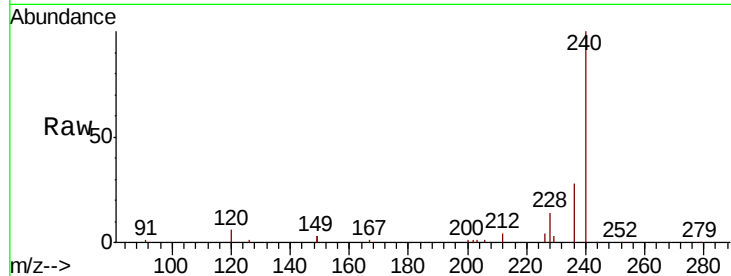




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

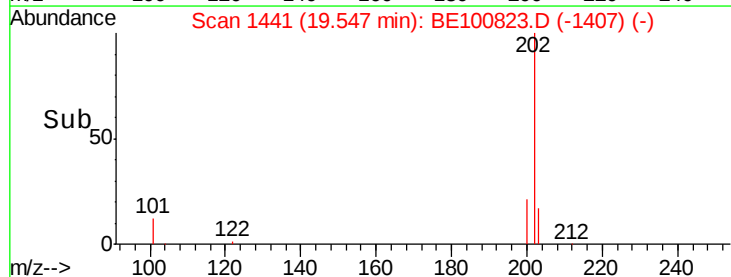
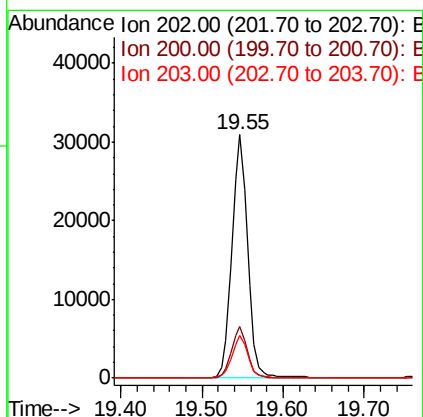
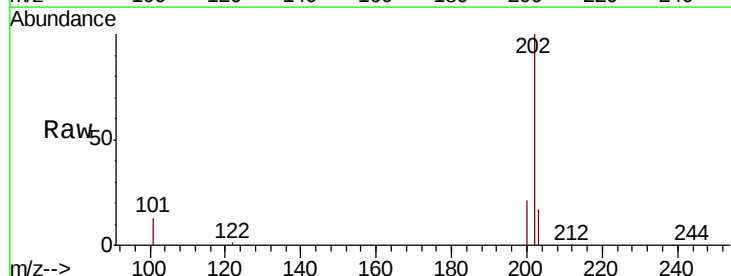
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:240 Resp: 31508
Ion Ratio Lower Upper
240 100
120 5.9 10.2 15.2#
236 27.5 22.3 33.5



#28
Pyrene
Concen: 0.403 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE100823.D
Acq: 10 Dec 2019 23:17

Tgt Ion:202 Resp: 41294
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.3 13.9 20.9

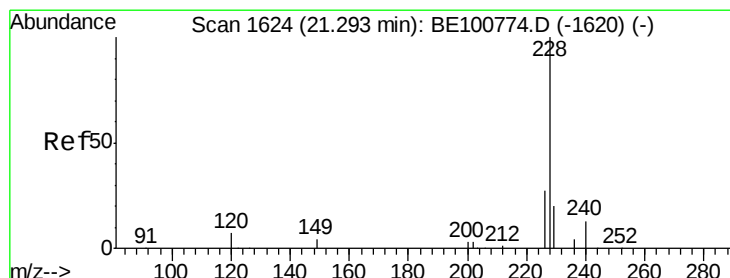
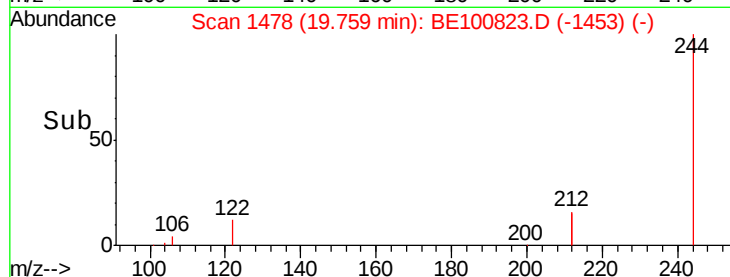
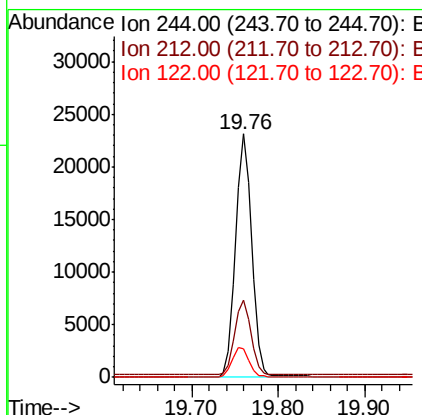
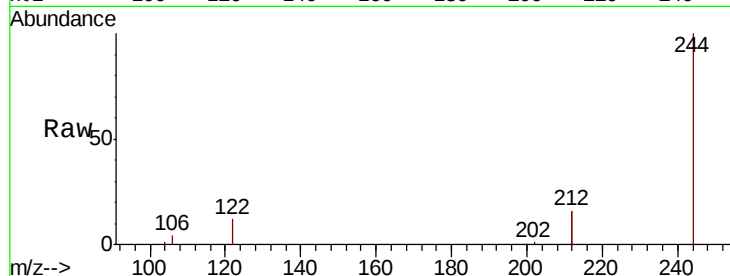




#29
 Terphenyl-d14
 Concen: 0.390 ng
 RT: 19.76 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BE100823.D
 Acq: 10 Dec 2019 23:17

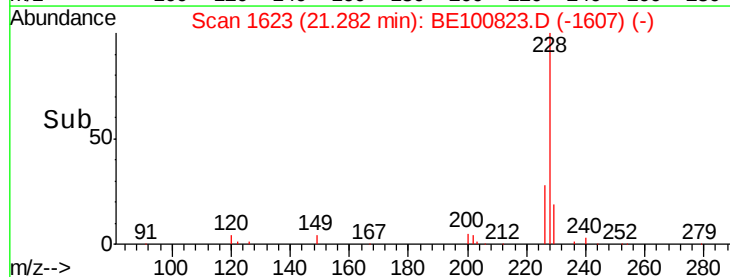
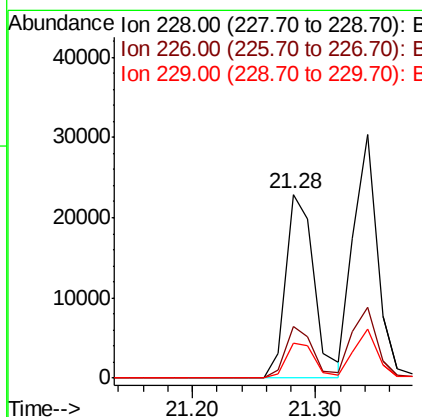
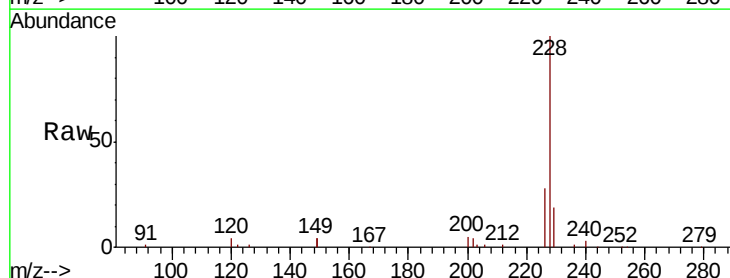
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tot Ion:244 Resp: 29469
 Ion Ratio Lower Upper
 244 100
 212 31.9 26.2 39.4
 122 11.9 10.2 15.4



#30
 Benzo(a)anthracene
 Concen: 0.397 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BE100823.D
 Acq: 10 Dec 2019 23:17

Tgt Ion:228 Resp: 36830
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.5 32.3
 229 19.0 16.0 24.0





#31

Chrysene

Concen: 0.376 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

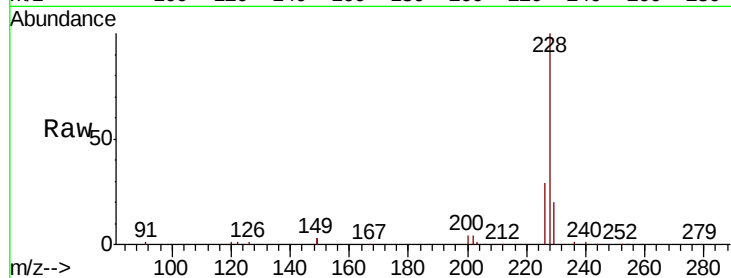
Tot Ion:228 Resp: 41065

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.4

229 20.0 15.4 23.2

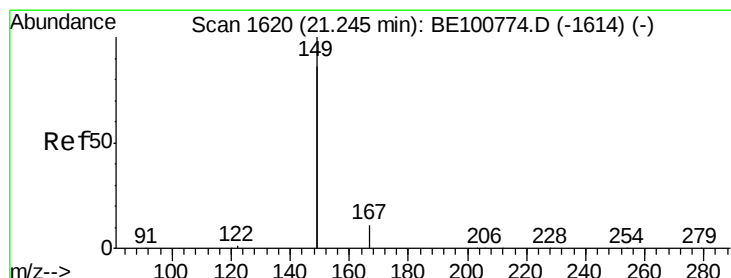
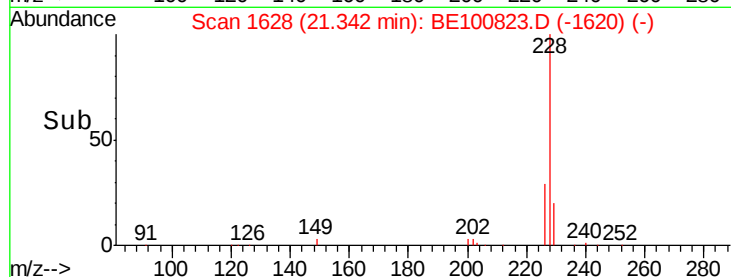
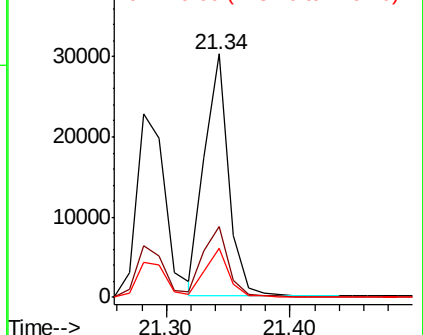


Abundance

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: 0.572 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

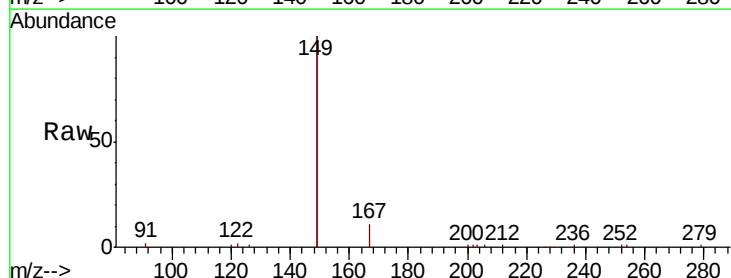
Tgt Ion:149 Resp: 37510

Ion Ratio Lower Upper

149 100

167 6.2 5.0 7.6

279 0.8 0.7 1.1

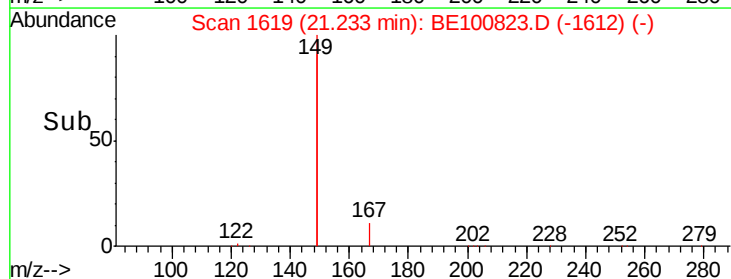
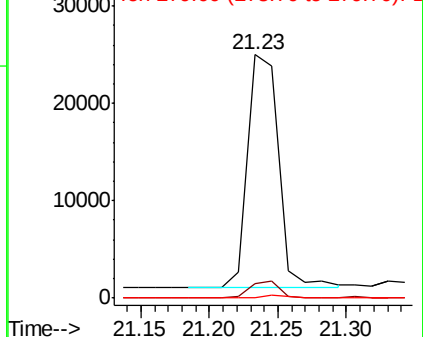


Abundance

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: 0.444 ng

RT: 26.32 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

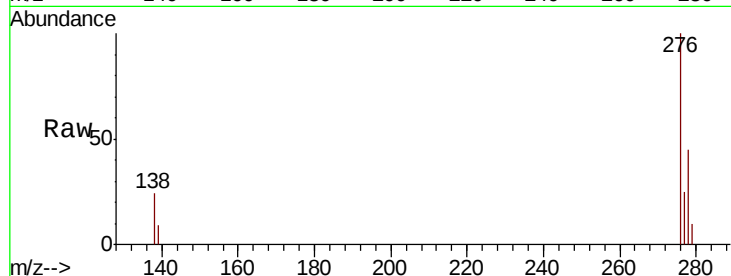
Tot Ion:276 Resp: 42252

Ion Ratio Lower Upper

276 100

138 23.8 19.4 29.0

277 24.3 19.8 29.6

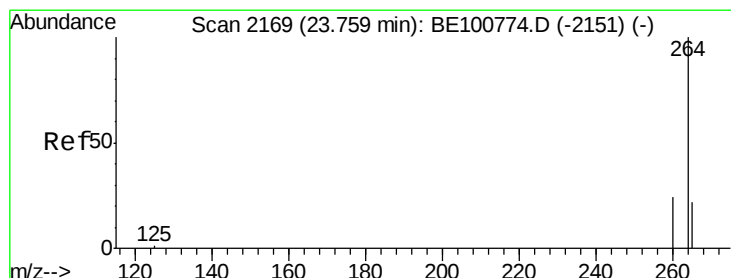
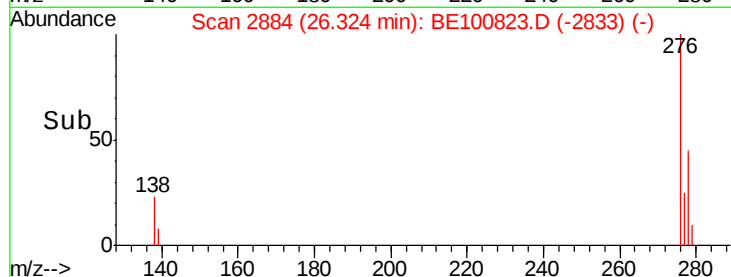
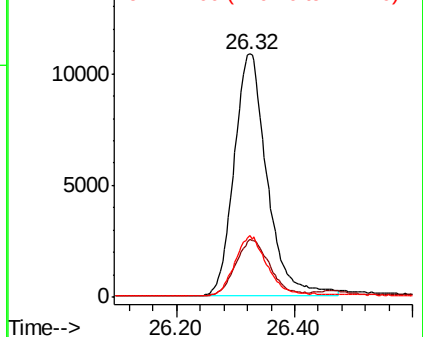


Abundance

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: 23.75 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

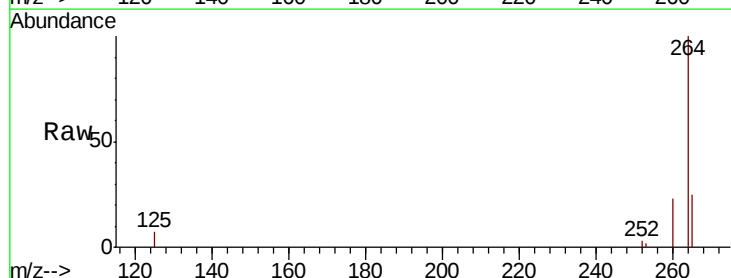
Tgt Ion:264 Resp: 39676

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 24.6 21.8 32.8

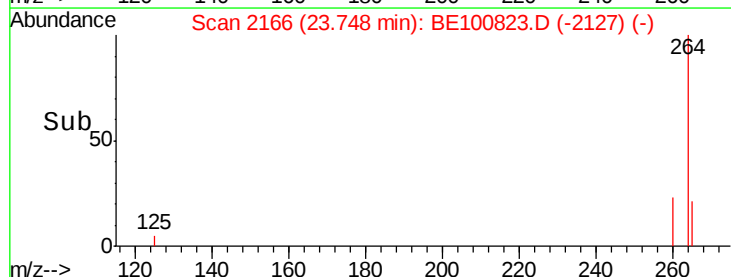
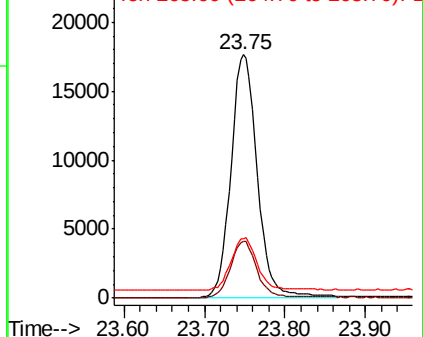


Abundance

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: 0.341 ng

RT: 23.00 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

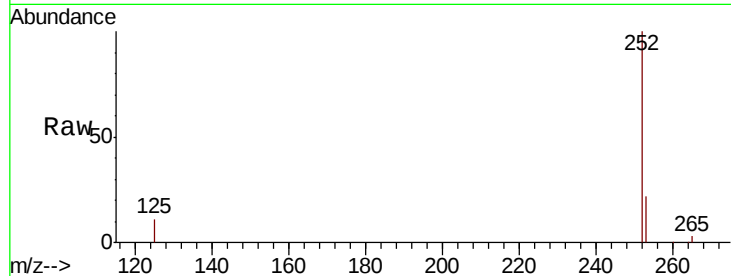
Tot Ion:252 Resp: 36999

Ion Ratio Lower Upper

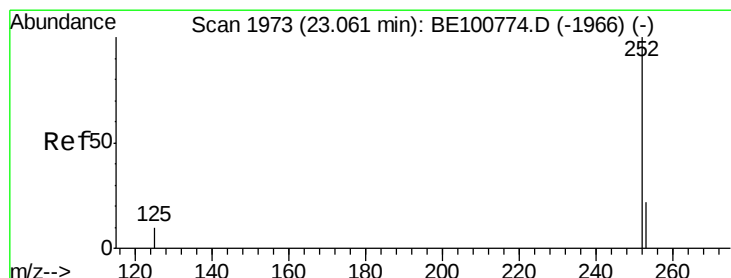
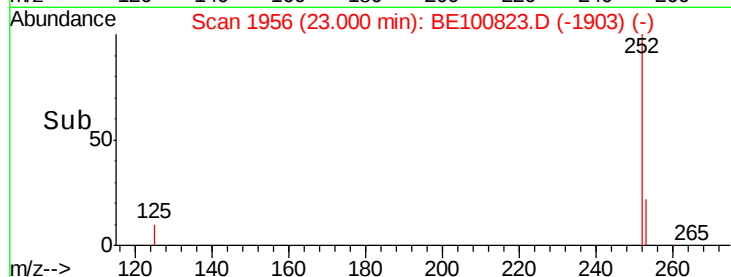
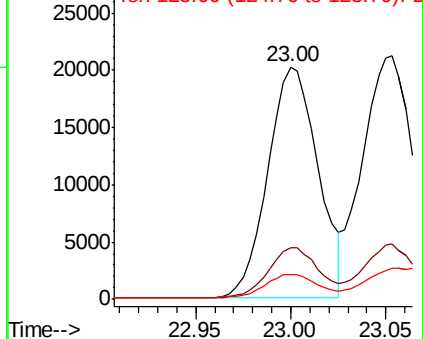
252 100

253 22.2 17.8 26.8

125 10.8 9.0 13.4



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: 0.347 ng

RT: 23.05 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

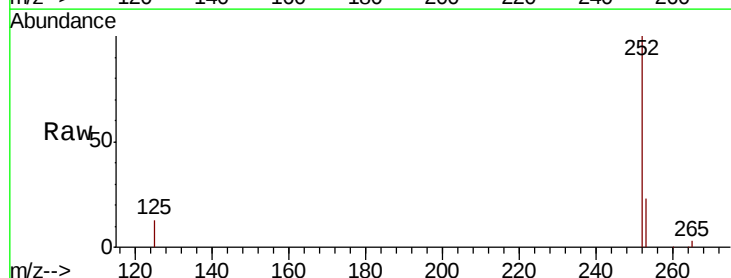
Tgt Ion:252 Resp: 42242

Ion Ratio Lower Upper

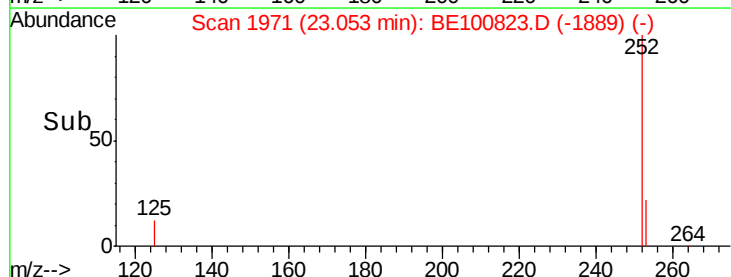
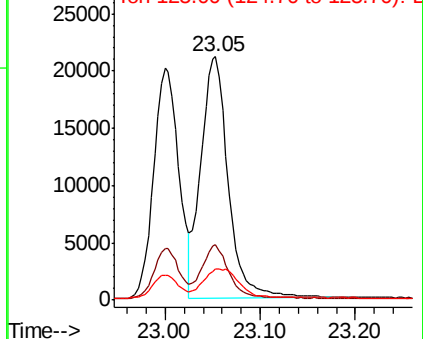
252 100

253 22.7 17.8 26.8

125 12.6 8.7 13.1



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: 0.347 ng

RT: 23.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

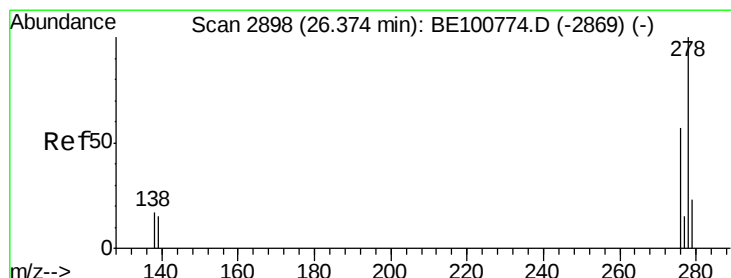
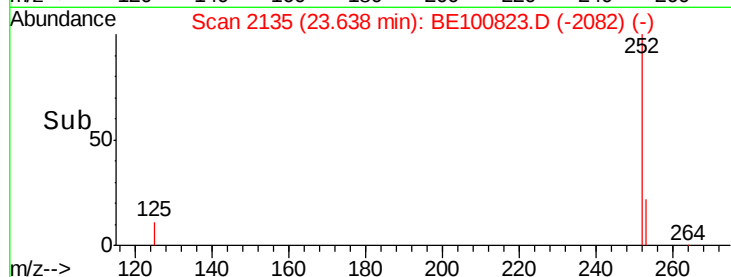
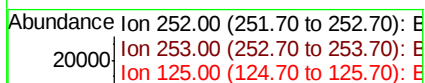
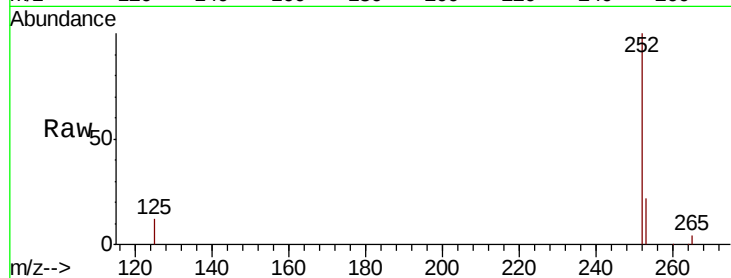
Tot Ion:252 Resp: 32611

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

125 12.1 10.4 15.6



#38

Dibenzo(a,h)anthracene

Concen: 0.366 ng

RT: 26.35 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

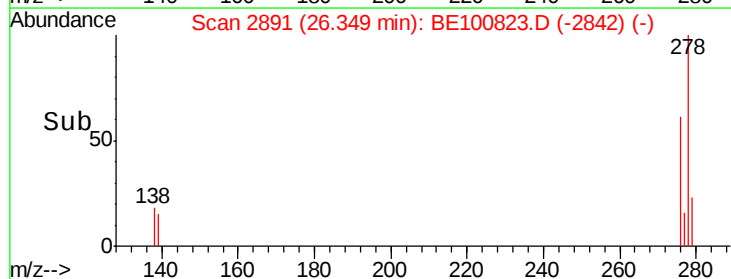
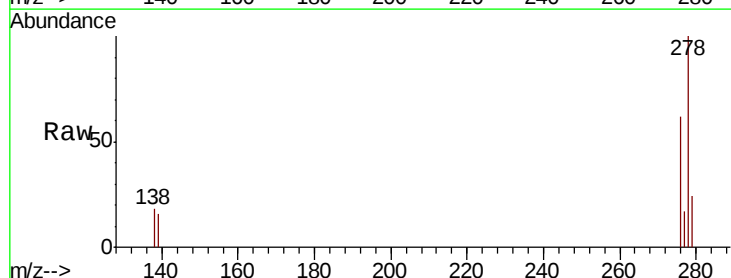
Tgt Ion:278 Resp: 34280

Ion Ratio Lower Upper

278 100

139 16.3 13.0 19.4

279 24.1 19.6 29.4





#39

Benzo(a,h,i)perylene

Concen: 0.361 ng

RT: 27.10 min Scan# 3103

Delta R.T. -0.02 min

Lab File: BE100823.D

Acq: 10 Dec 2019 23:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

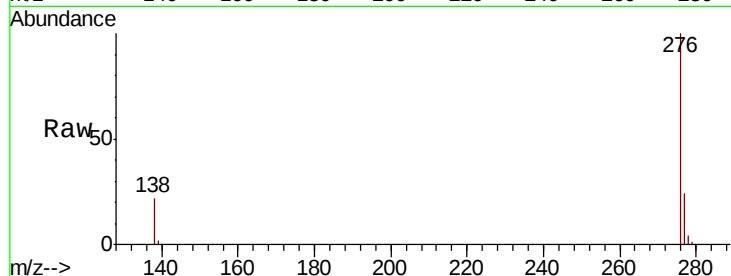
Tot Ion: 276 Resp: 36164

Ion Ratio Lower Upper

276 100

277 24.2 19.3 28.9

138 21.8 17.8 26.6



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

