

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
 Data File : BE100839.D
 Acq On : 11 Dec 2019 9:08
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Dec 11 10:33:03 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	5774	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	28305	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	18296	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	66925	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	65399	0.40	ng	0.00
34) Perylene-d12	23.75	264	81705	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	6165	0.45	ng	0.00
5) Phenol-d6	6.93	99	9611	0.46	ng	0.00
8) Nitrobenzene-d5	8.90	82	7014	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	16079	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	2180	1.07	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	23685	0.33	ng	-0.01
25) Fluoranthene-d10	19.16	212	284364	0.36	ng	0.00
29) Terphenyl-d14	19.76	244	61212	0.39	ng	0.00

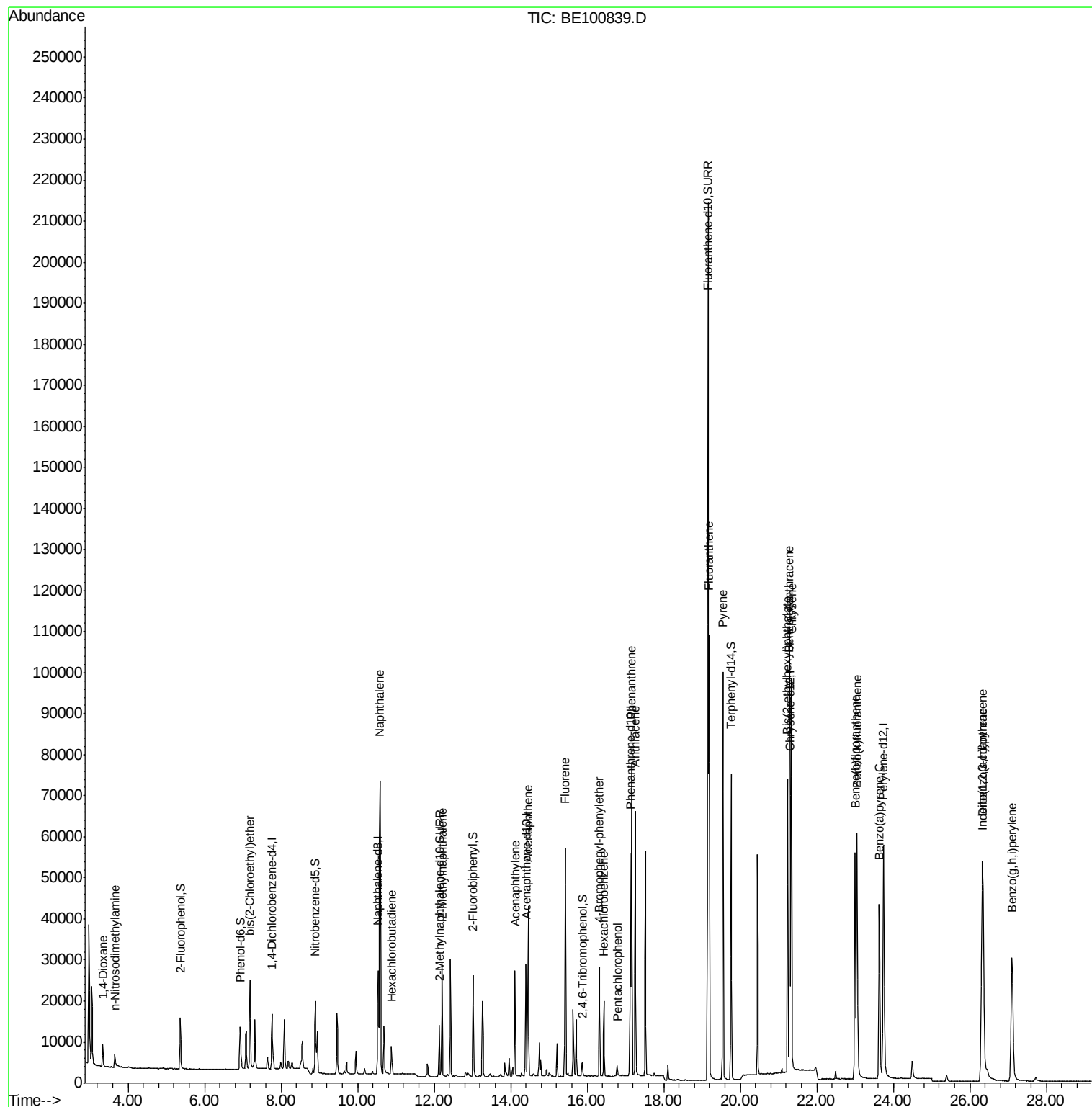
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	4156	0.395	ng	96
3) n-Nitrosodimethylamine	3.65	42	3383	0.395	ng	# 92
6) bis(2-Chloroethyl)ether	7.18	93	7774	0.389	ng	98
9) Naphthalene	10.59	128	116416	0.387	ng	100
10) Hexachlorobutadiene	10.89	225	4355	0.371	ng	99
12) 2-Methylnaphthalene	12.21	142	18192	0.387	ng	97
16) Acenaphthylene	14.11	152	27578	0.364	ng	100
17) Acenaphthene	14.46	154	19955	0.383	ng	98
18) Fluorene	15.42	166	32220	0.479	ng	100
20) 4-Bromophenyl-phenylether	16.32	248	11287	0.344	ng	# 64
21) Hexachlorobenzene	16.44	284	13026	0.365	ng	99
22) Pentachlorophenol	16.79	266	1686	0.683	ng	84
23) Phenanthrene	17.16	178	76125	0.376	ng	100
24) Anthracene	17.25	178	63974	0.377	ng	99
26) Fluoranthene	19.18	202	88178	0.364	ng	99
28) Pyrene	19.55	202	86752	0.408	ng	100
30) Benzo(a)anthracene	21.28	228	77784	0.404	ng	98
31) Chrysene	21.34	228	89512	0.395	ng	97
32) Bis(2-ethylhexyl)phthalate	21.23	149	88011	0.641	ng	100
33) Indeno(1,2,3-cd)pyrene	26.32	276	88227	0.447	ng	99
35) Benzo(b)fluoranthene	23.00	252	76646	0.343	ng	99
36) Benzo(k)fluoranthene	23.05	252	88698	0.354	ng	99
37) Benzo(a)pyrene	23.63	252	68233	0.352	ng	97
38) Dibenzo(a,h)anthracene	26.34	278	72972	0.379	ng	98
39) Benzo(g,h,i)perylene	27.10	276	75334	0.366	ng	99

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

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Misc :
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Instrument :
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QLast Update : Wed Dec 04 17:18:11 2019
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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: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

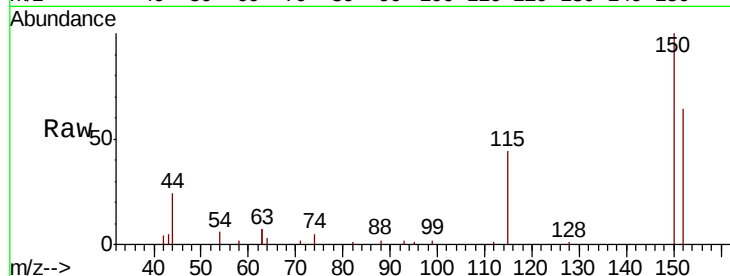
Tot Ion:152 Resp: 5774

Ion Ratio Lower Upper

152 100

150 155.1 120.6 181.0

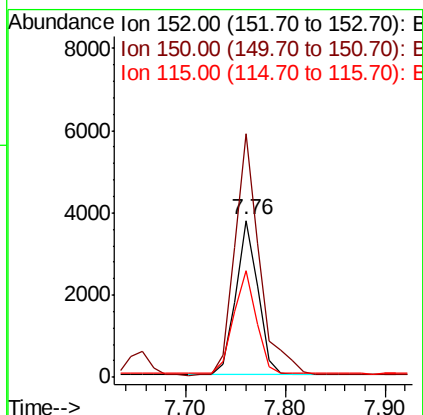
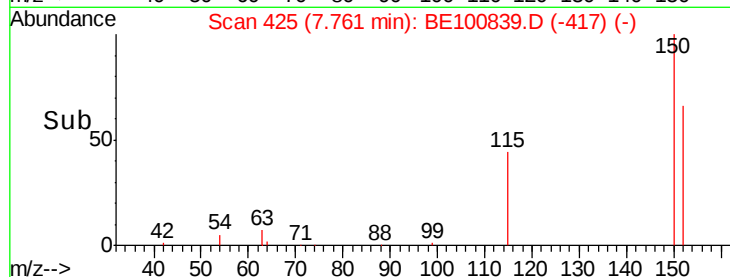
115 68.1 47.4 71.2



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: 0.395 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

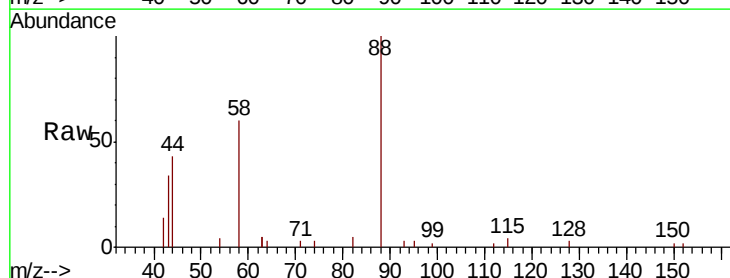
Tgt Ion: 88 Resp: 4156

Ion Ratio Lower Upper

88 100

58 62.5 52.5 78.7

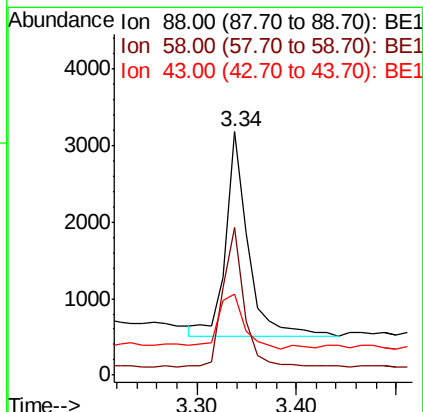
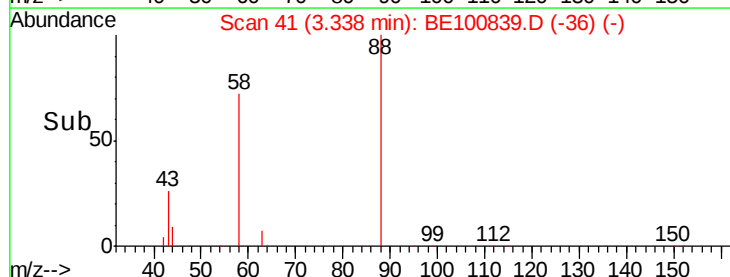
43 30.7 23.0 34.6



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: 0.395 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

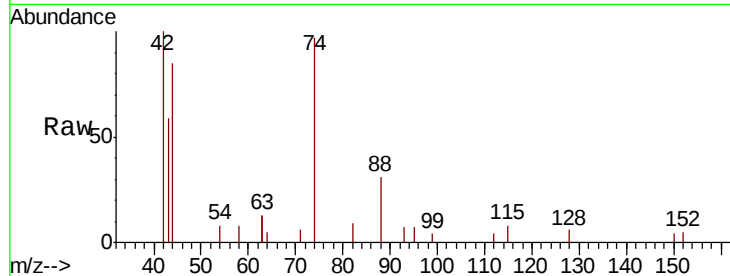
Tot Ion: 42 Resp: 3383

Ion Ratio Lower Upper

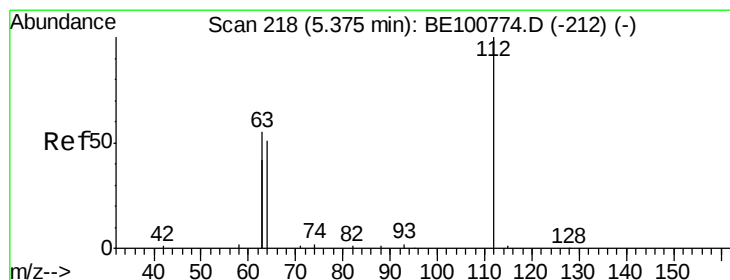
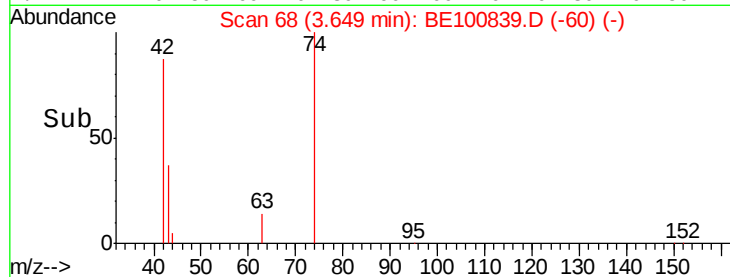
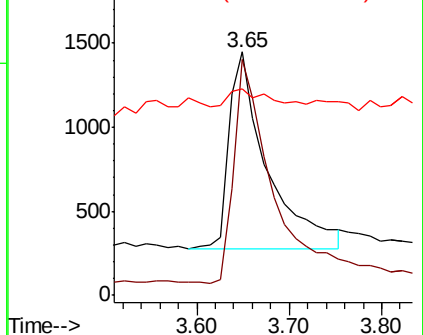
42 100

74 115.4 86.3 129.5

44 8.8 11.6 17.4#



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: 0.450 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

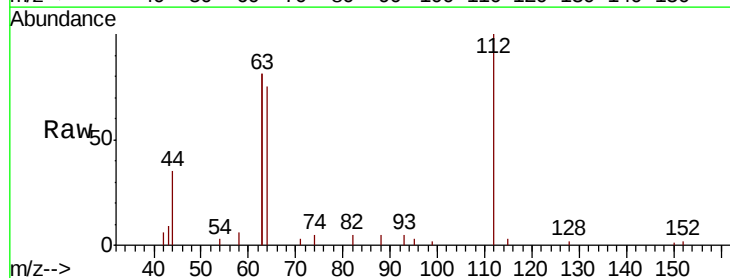
Tgt Ion: 112 Resp: 6165

Ion Ratio Lower Upper

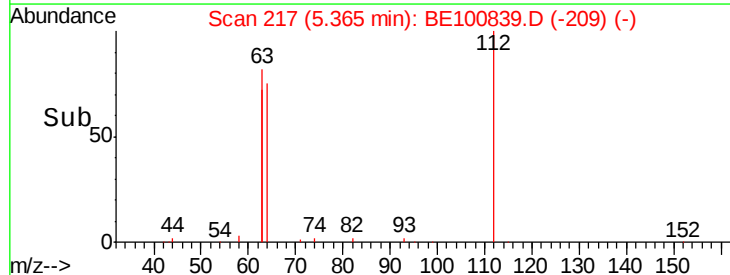
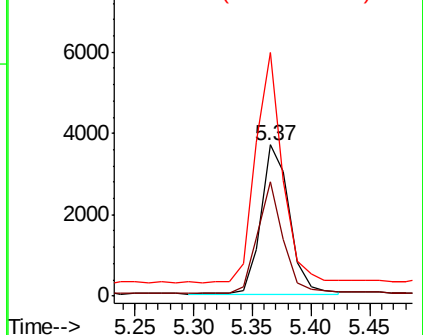
112 100

64 67.9 54.1 81.1

63 145.0 113.2 169.8



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: 0.465 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

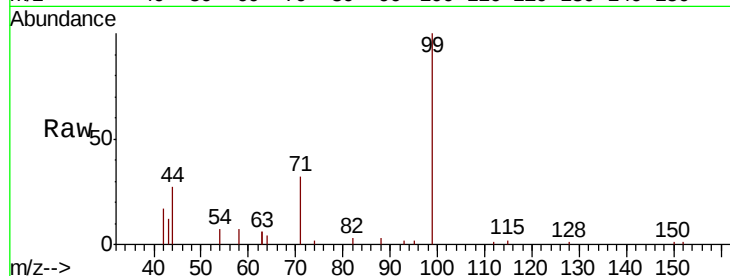
Tot Ion: 99 Resp: 9611

Ion Ratio Lower Upper

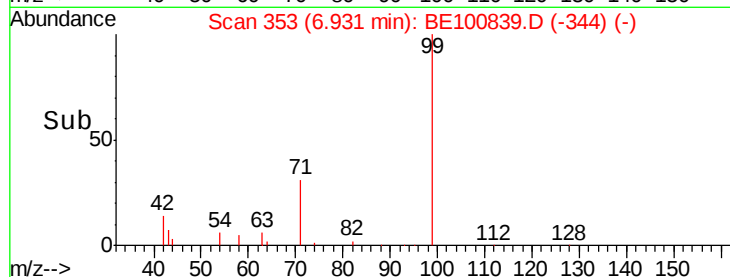
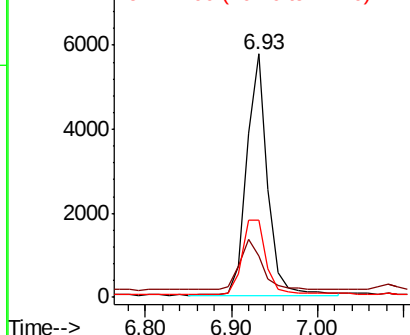
99 100

42 22.0 19.1 28.7

71 36.0 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: 0.389 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

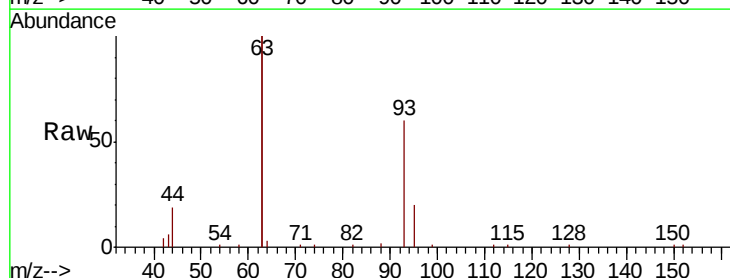
Tgt Ion: 93 Resp: 7774

Ion Ratio Lower Upper

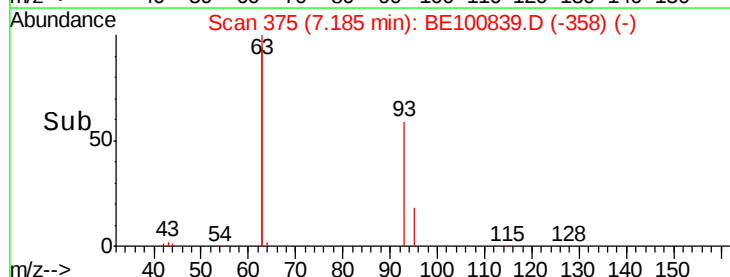
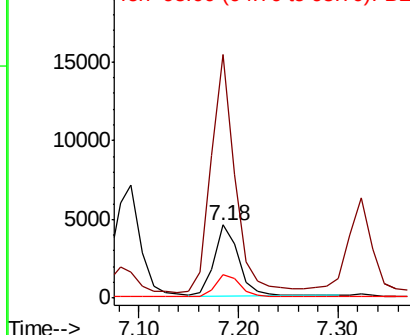
93 100

63 320.1 259.4 389.0

95 32.9 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: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 28305

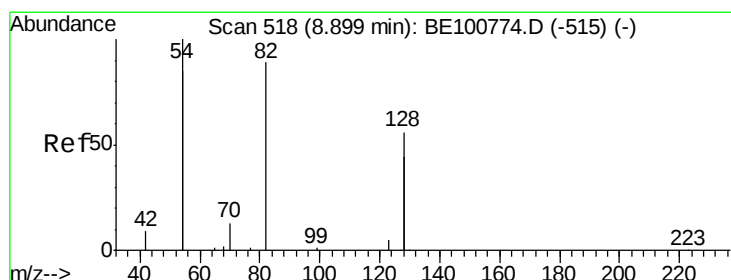
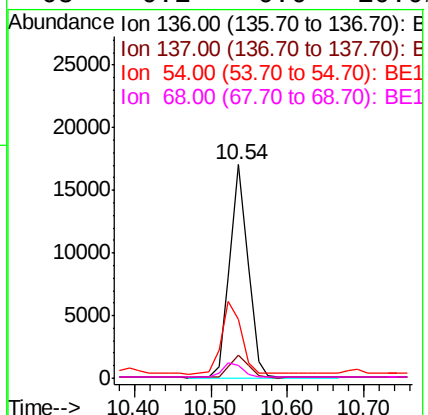
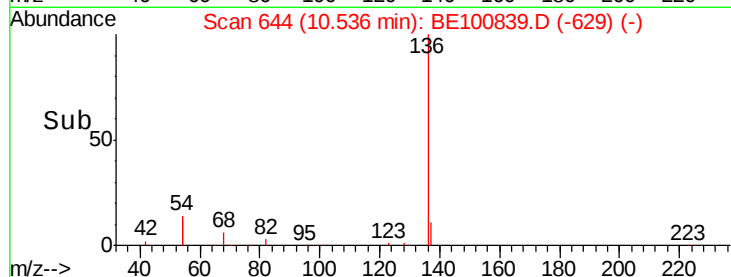
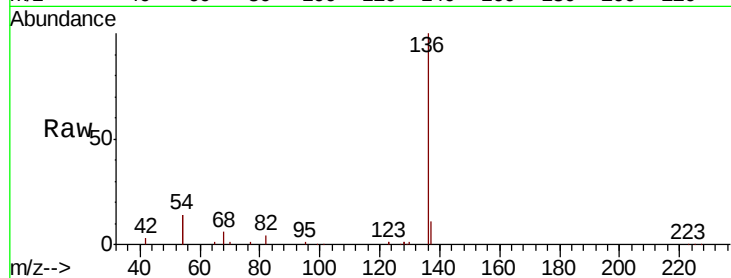
Ion Ratio Lower Upper

136 100

137 11.0 9.4 14.0

54 27.7 31.1 46.7#

68 6.1 6.6 10.0#



#8

Nitrobenzene-d5

Concen: 0.520 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

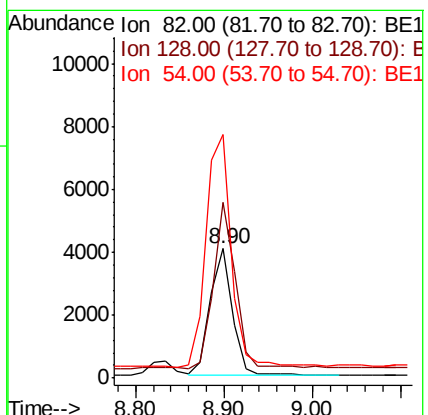
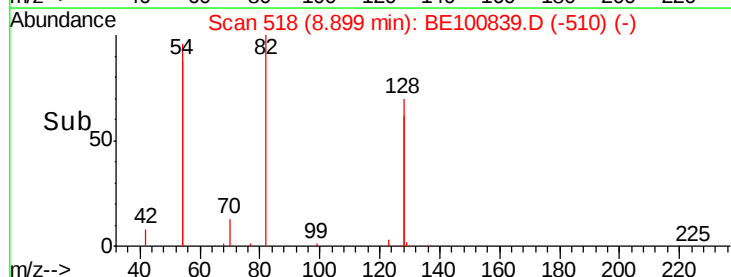
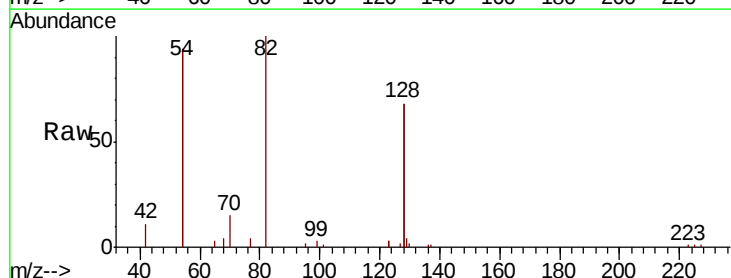
Tgt Ion: 82 Resp: 7014

Ion Ratio Lower Upper

82 100

128 136.3 97.0 145.4

54 188.1 171.8 257.6





#9

Naphthalene

Concen: 0.387 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

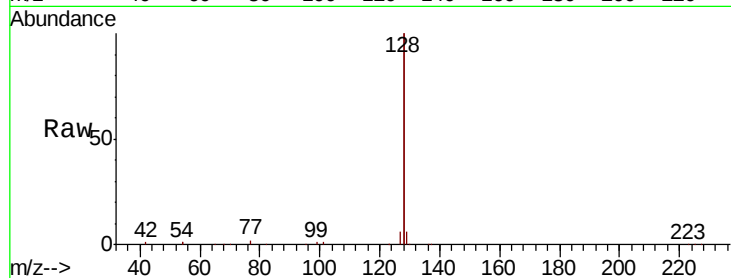
Tot Ion:128 Resp: 116416

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

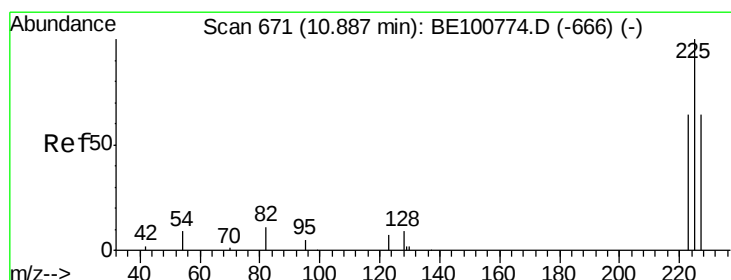
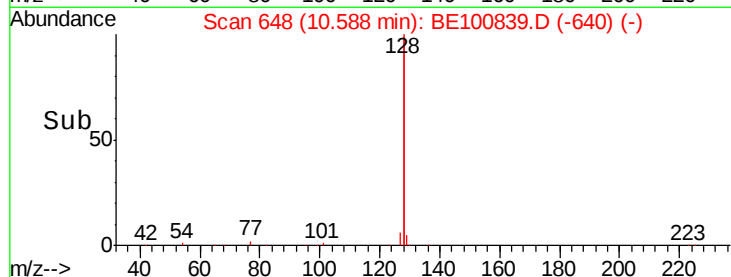
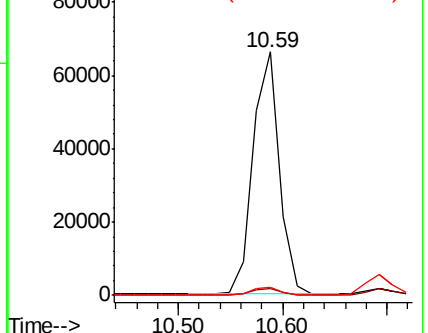
127 3.2 2.7 4.1



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: 0.371 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

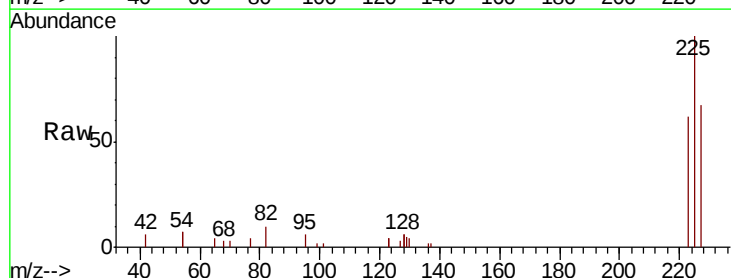
Tgt Ion:225 Resp: 4355

Ion Ratio Lower Upper

225 100

223 62.4 49.9 74.9

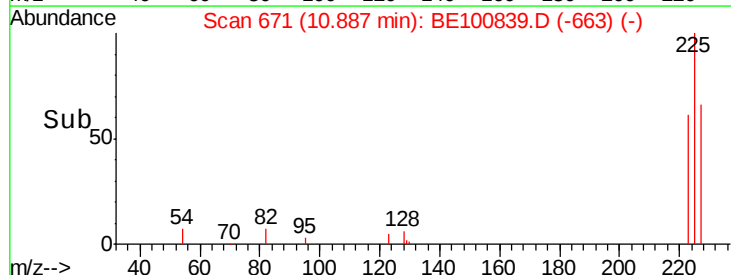
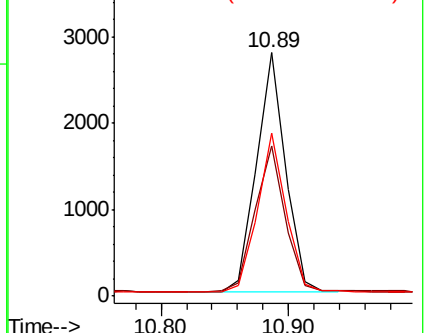
227 64.4 52.2 78.4



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

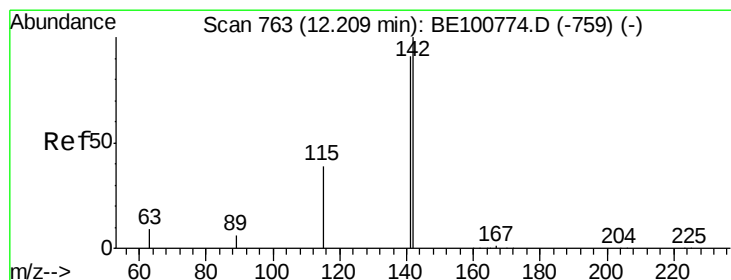
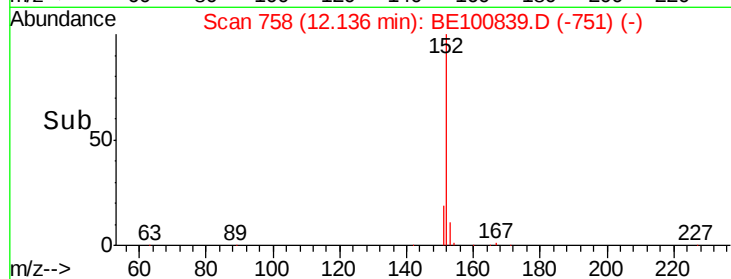
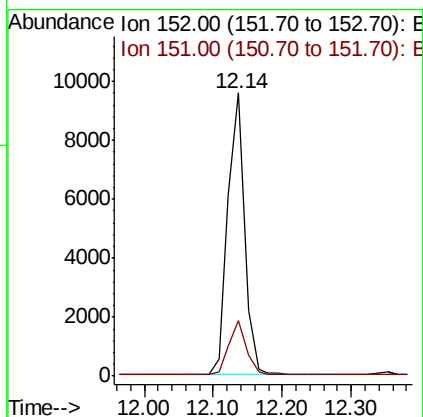
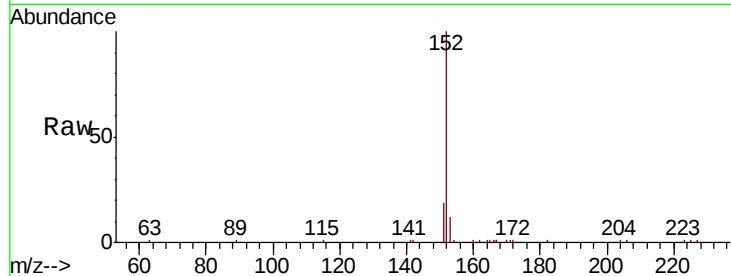




#11
 2-Methylnaphthalene-d10
 Concen: 0.392 ng
 RT: 12.14 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BE100839.D
 Acq: 11 Dec 2019 9:08

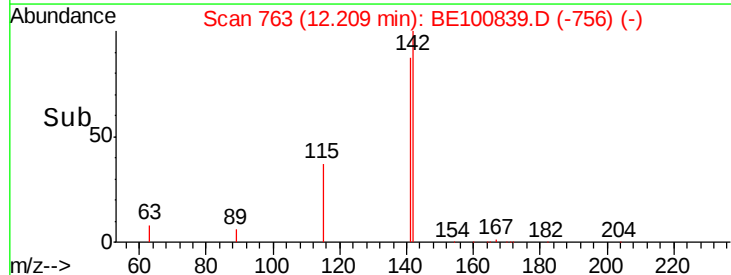
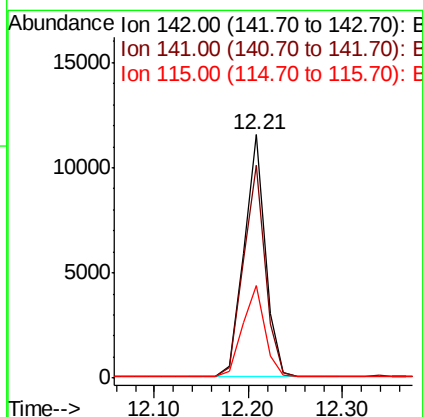
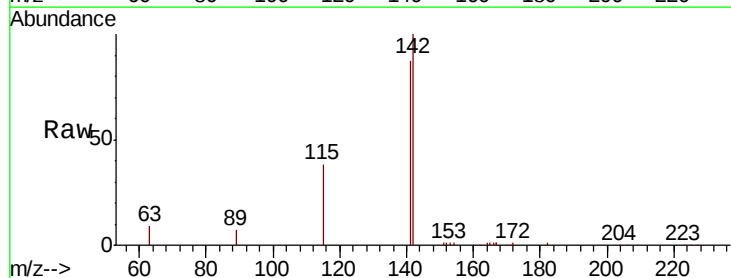
Instrument :
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Tot Ion:152 Resp: 16079
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.8 23.8



#12
 2-Methylnaphthalene
 Concen: 0.387 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BE100839.D
 Acq: 11 Dec 2019 9:08

Tgt Ion:142 Resp: 18192
 Ion Ratio Lower Upper
 142 100
 141 87.3 72.6 108.8
 115 37.9 31.8 47.6

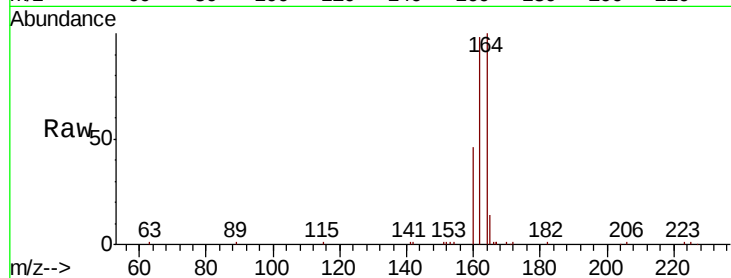




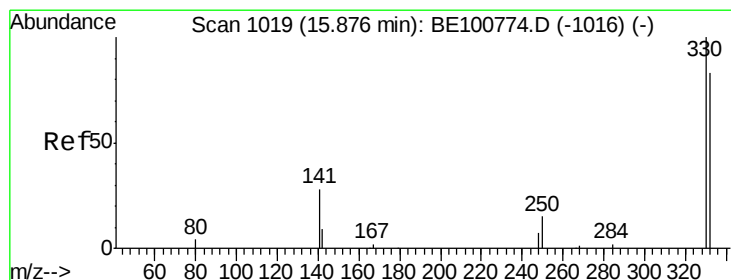
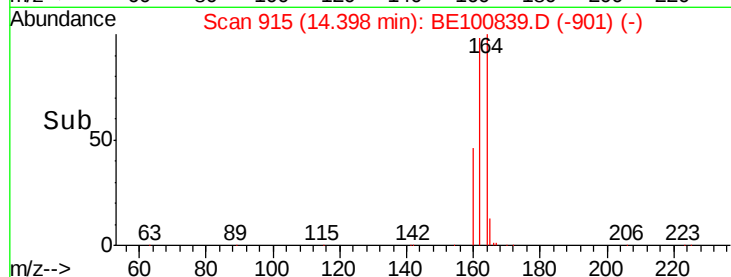
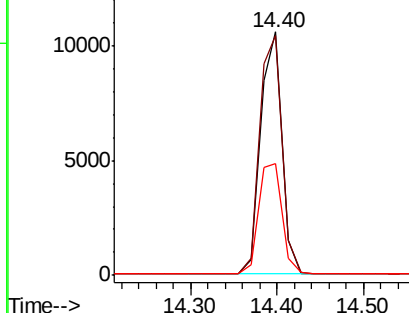
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.00 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:164 Resp: 18296
Ion Ratio Lower Upper
164 100
162 98.3 81.4 122.0
160 45.8 39.4 59.0

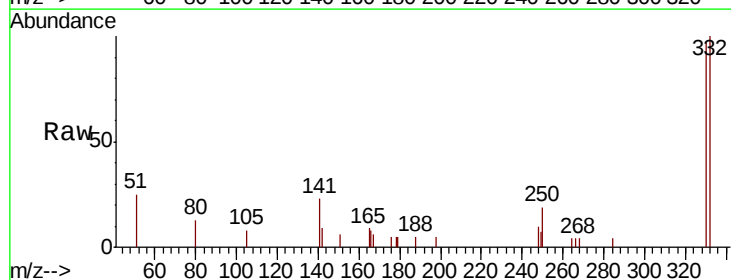


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

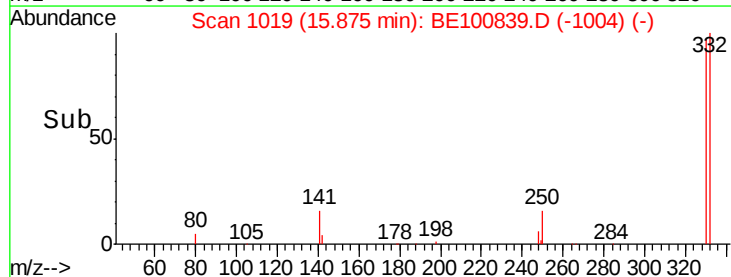
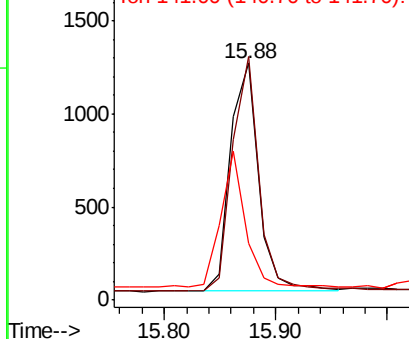


#14
2,4,6-Tribromophenol
Concen: 1.071 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Tgt Ion:330 Resp: 2180
Ion Ratio Lower Upper
330 100
332 97.9 69.4 104.2
141 52.0 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

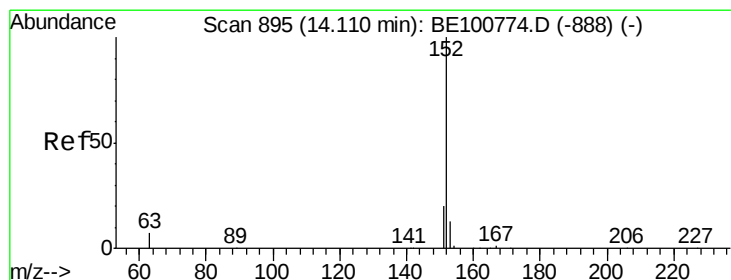
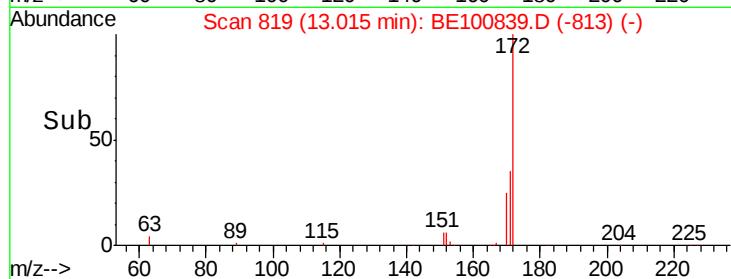
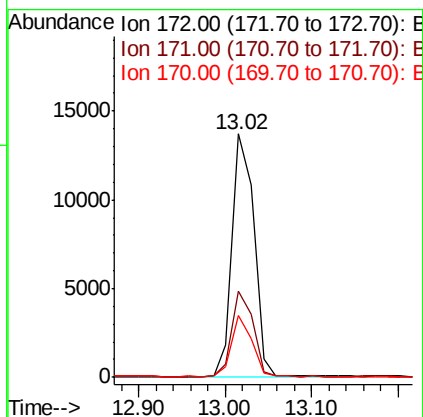
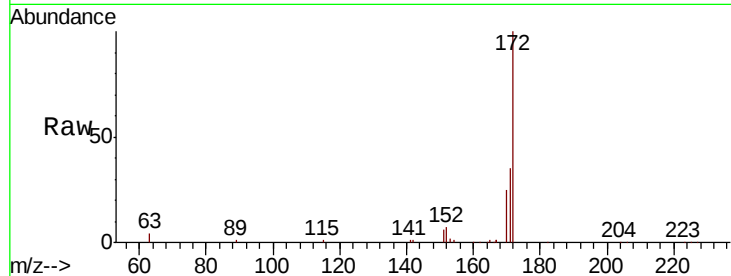




#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

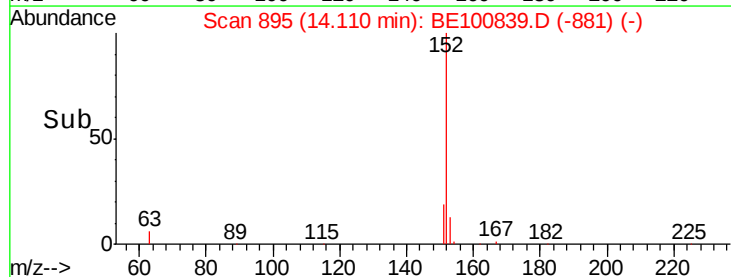
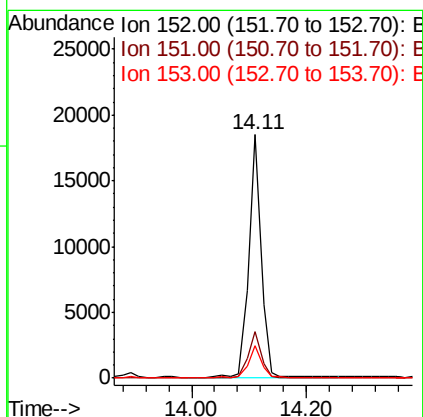
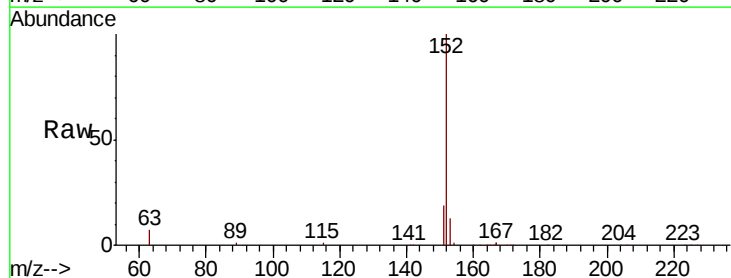
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:172 Resp: 23685
Ion Ratio Lower Upper
172 100
171 35.3 27.2 40.8
170 25.2 18.0 27.0



#16
Acenaphthylene
Concen: 0.364 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Tgt Ion:152 Resp: 27578
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 13.0 10.4 15.6

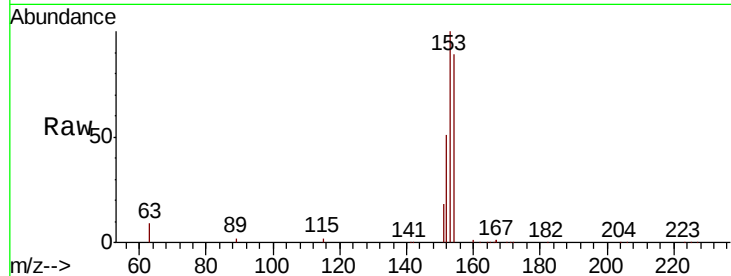




#17
Acenaphthene
Concen: 0.383 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.2	92.2	138.2
152	59.0	49.1	73.7

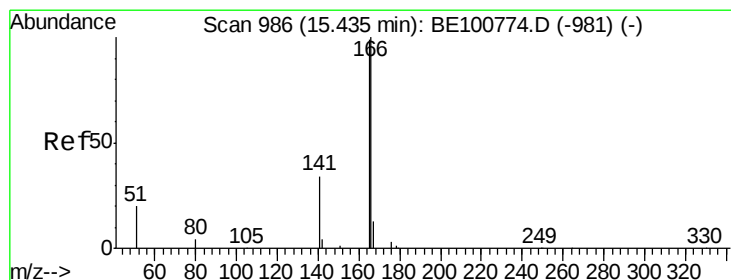
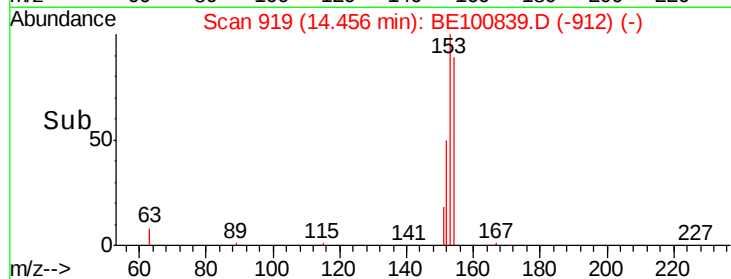
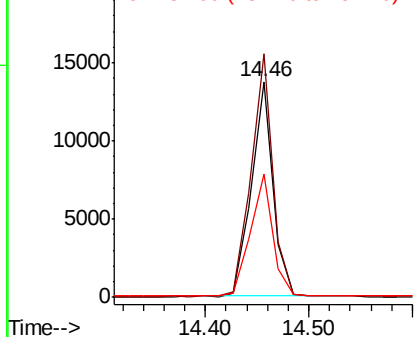


Abundance

Ion 154.00 (153.70 to 154.70): E

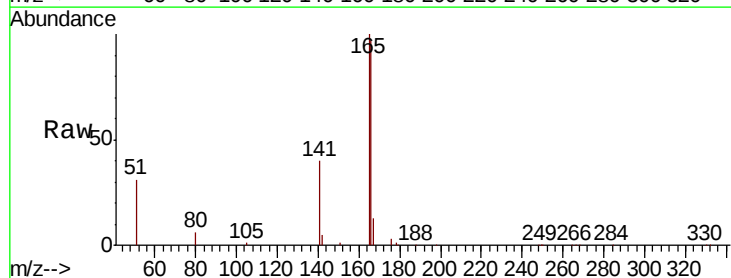
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.479 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.01 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	80.5	120.7
167	13.4	10.7	16.1

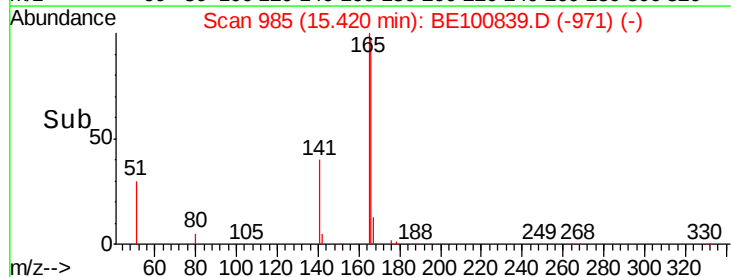
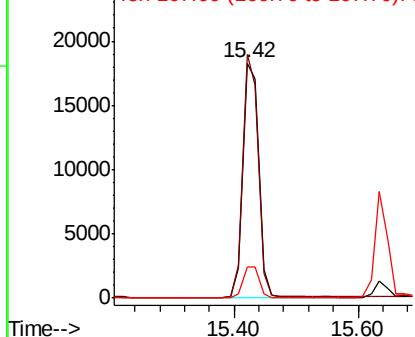


Abundance

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. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

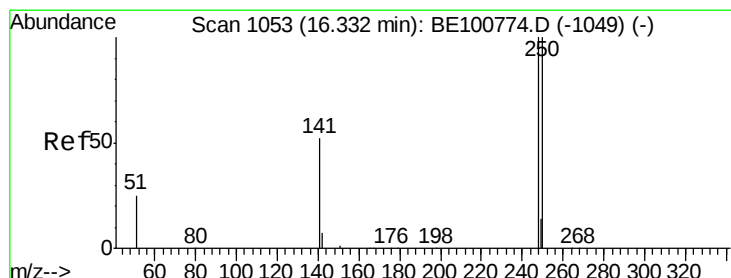
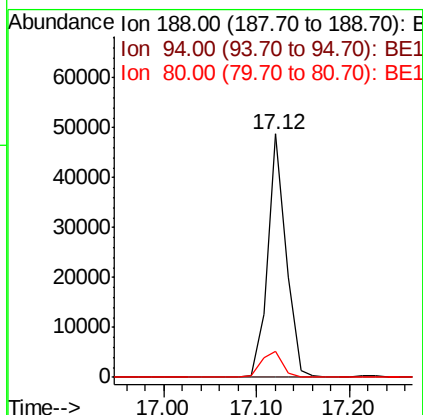
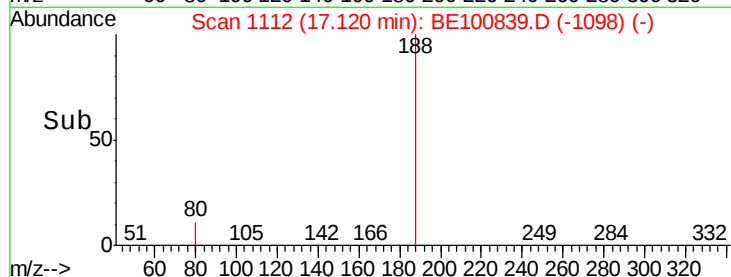
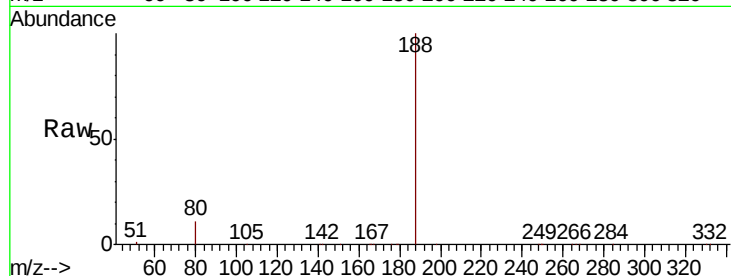
Tot Ion:188 Resp: 66925

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 5.2 7.8#



#20

4-Bromophenyl-phenylether

Concen: 0.344 ng

RT: 16.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

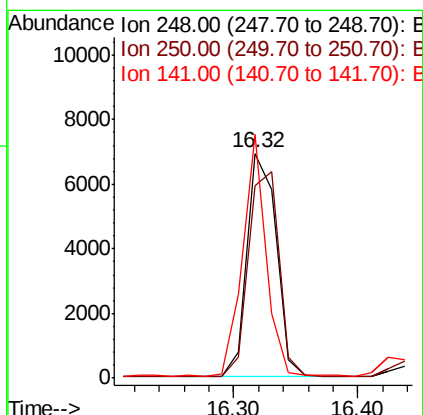
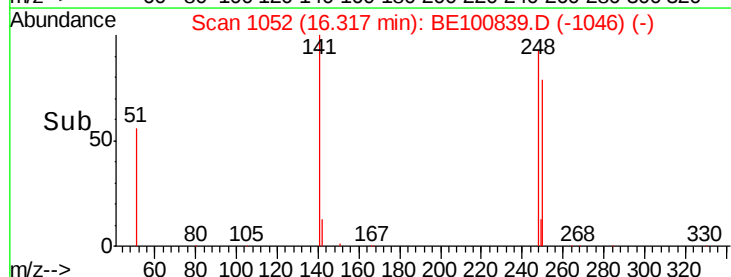
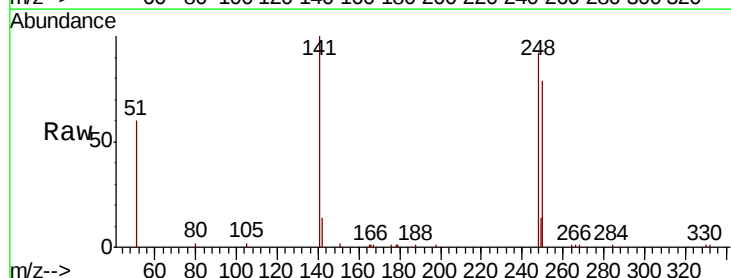
Tgt Ion:248 Resp: 11287

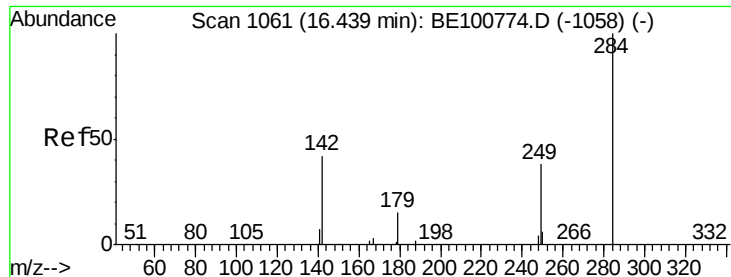
Ion Ratio Lower Upper

248 100

250 85.7 80.5 120.7

141 108.2 42.6 64.0#

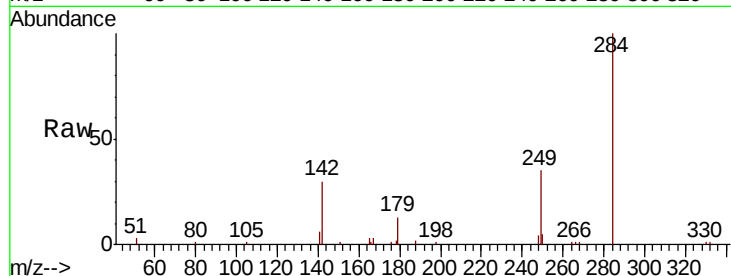




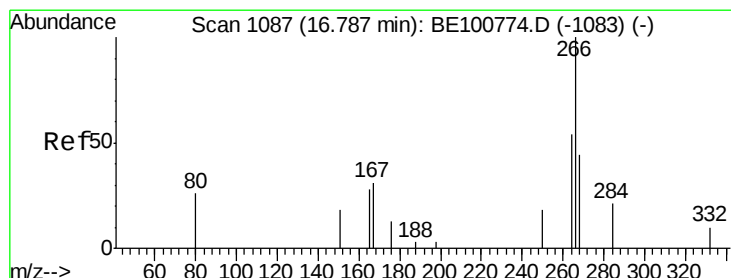
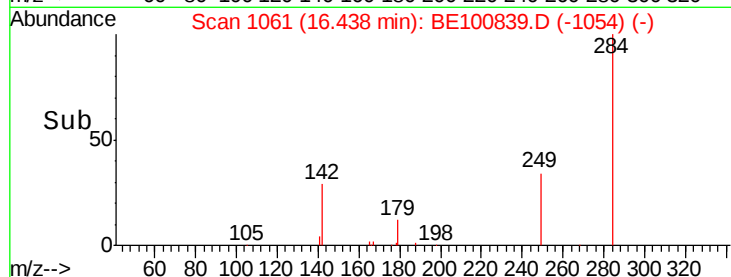
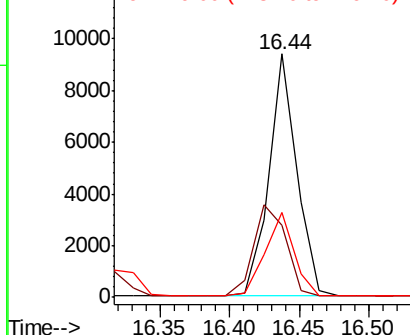
#21
Hexachlorobenzene
Concen: 0.365 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
284	100		
142	43.8	34.4	51.6
249	35.6	28.5	42.7

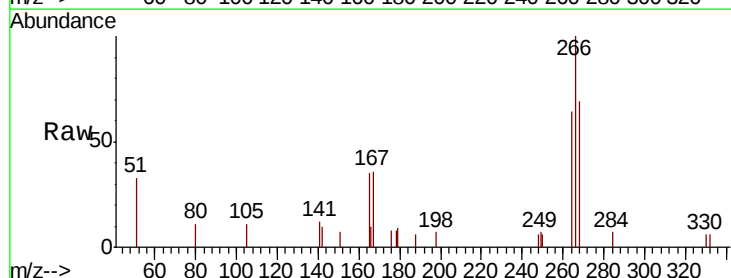


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

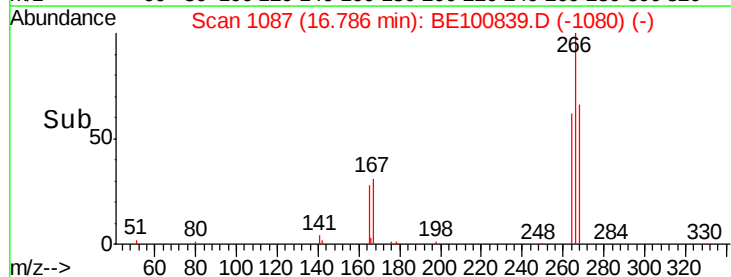
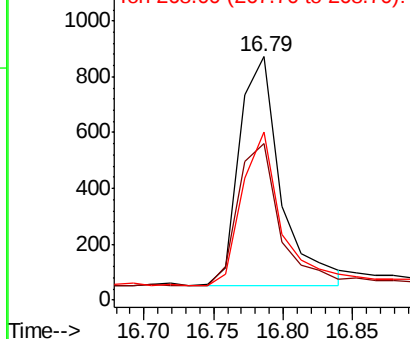


#22
Pentachlorophenol
Concen: 0.683 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.1	63.4	95.0
268	68.9	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: 0.376 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

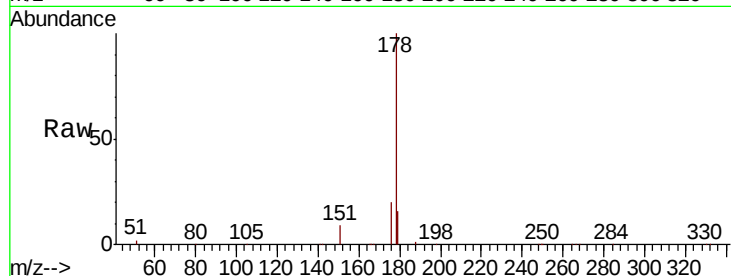
Tot Ion:178 Resp: 76125

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

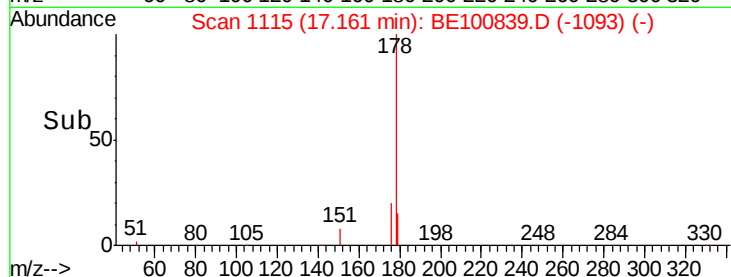
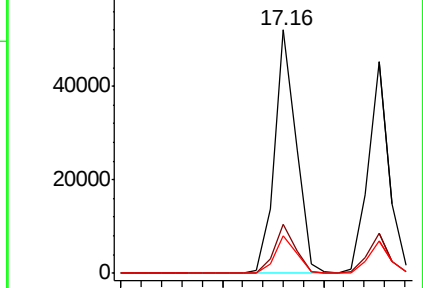
179 15.5 12.3 18.5



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: 0.377 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

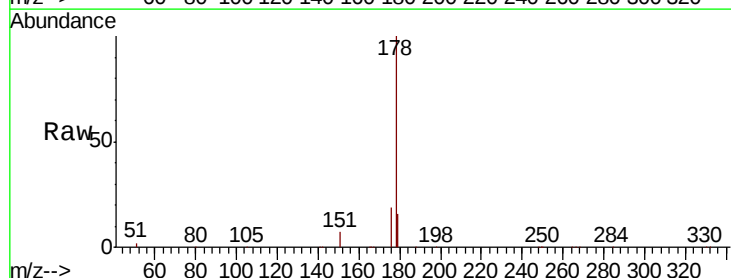
Tgt Ion:178 Resp: 63974

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

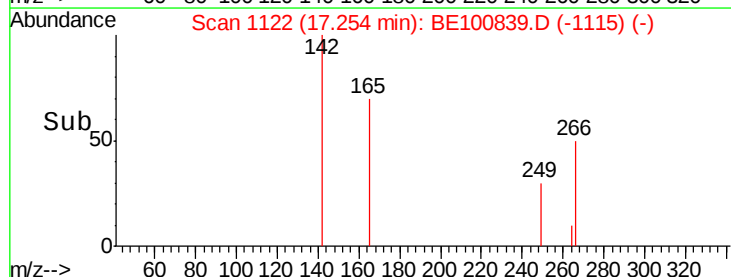
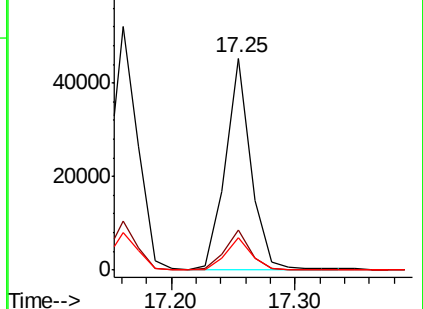
179 15.4 12.7 19.1



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

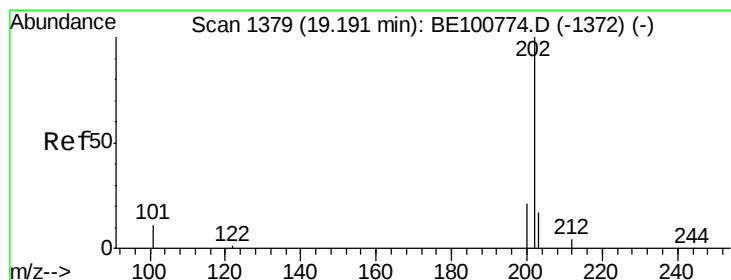
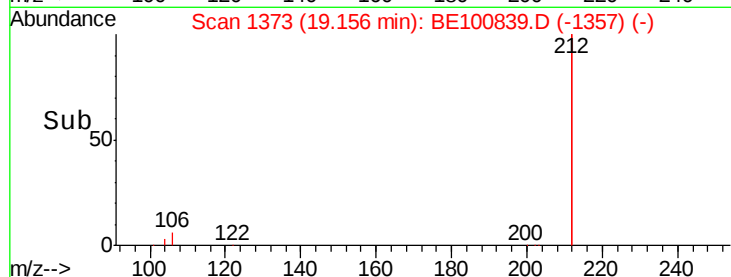
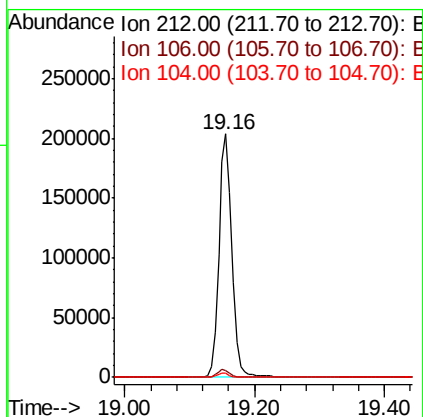
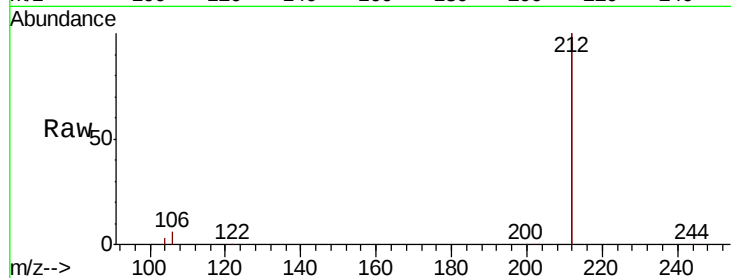




#25
Fluoranthene-d10
Concen: 0.360 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

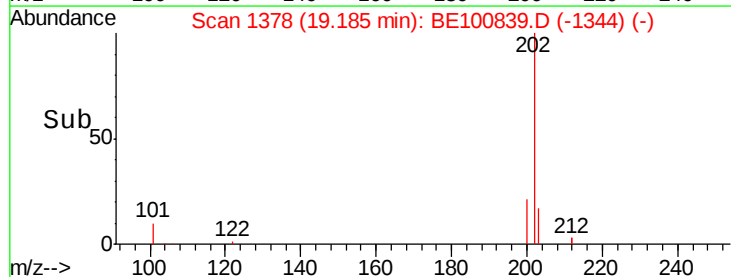
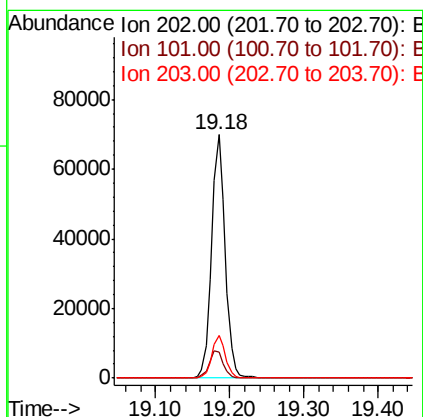
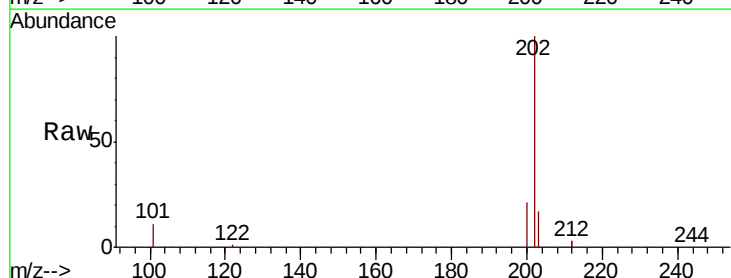
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

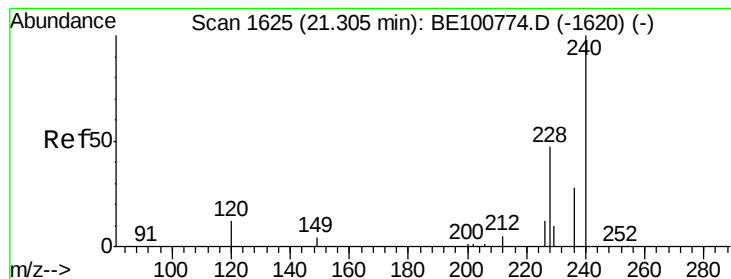
Tot Ion:212 Resp: 284364
Ion Ratio Lower Upper
212 100
106 3.3 2.6 3.8
104 1.8 1.4 2.2



#26
Fluoranthene
Concen: 0.364 ng
RT: 19.18 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Tgt Ion:202 Resp: 88178
Ion Ratio Lower Upper
202 100
101 11.9 9.1 13.7
203 17.3 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

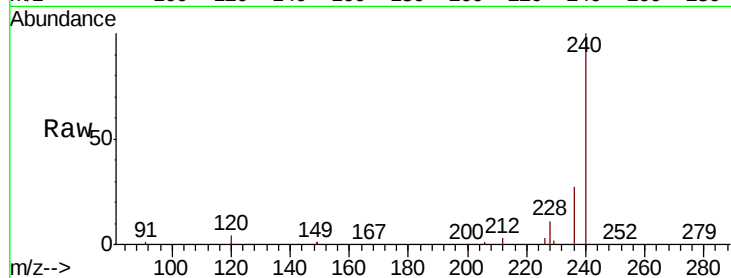
Tot Ion:240 Resp: 65399

Ion Ratio Lower Upper

240 100

120 4.5 10.2 15.2#

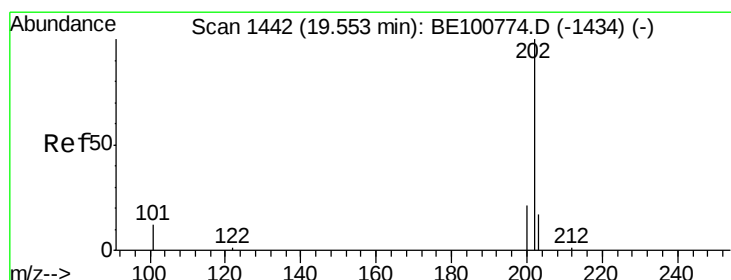
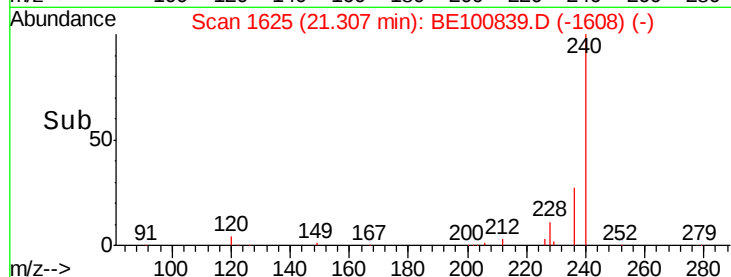
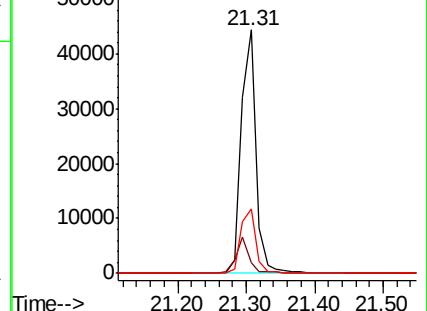
236 26.7 22.3 33.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.408 ng

RT: 19.55 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

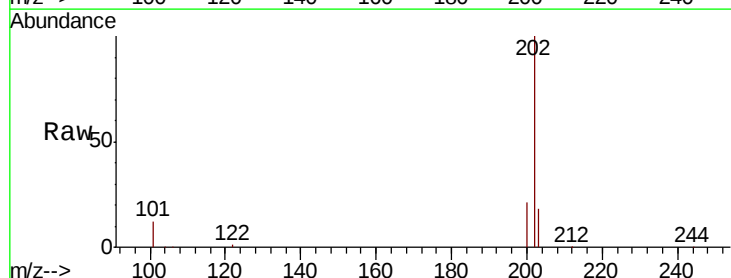
Tgt Ion:202 Resp: 86752

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

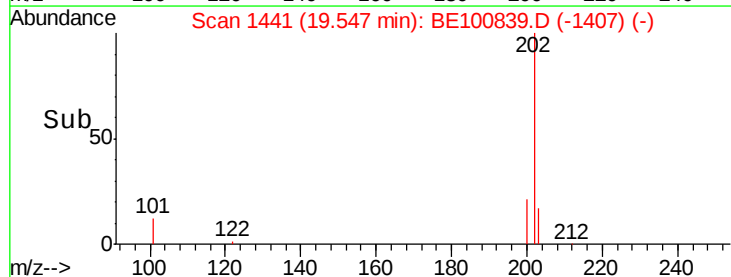
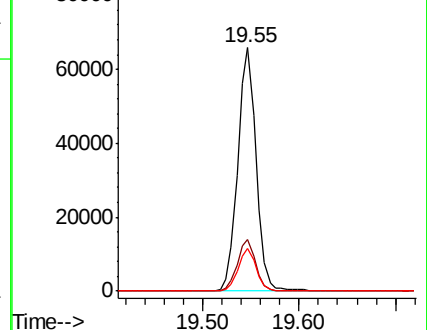
203 17.3 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.391 ng

RT: 19.76 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

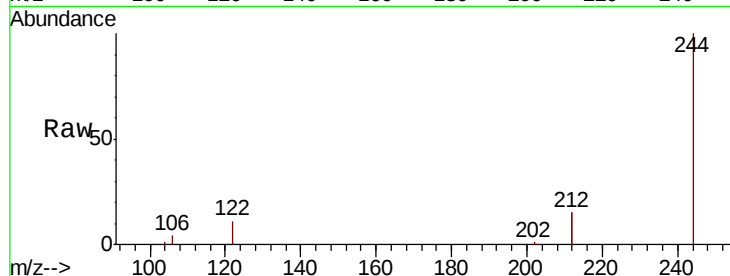
Tot Ion:244 Resp: 61212

Ion Ratio Lower Upper

244 100

212 30.9 26.2 39.4

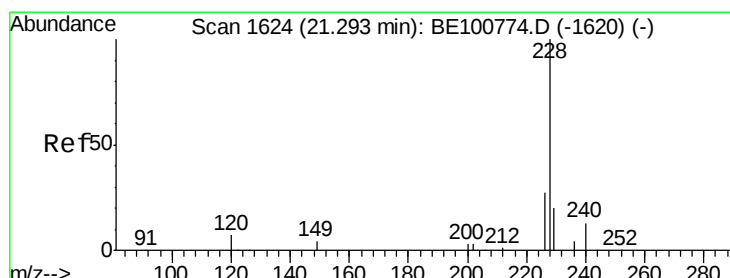
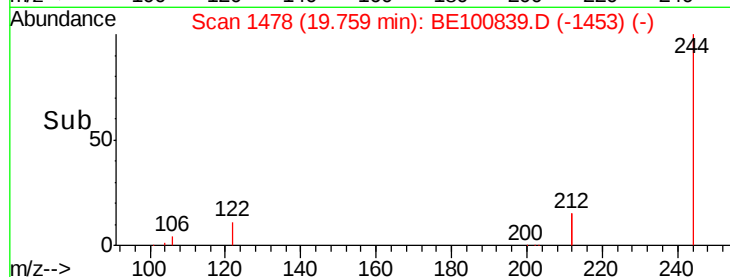
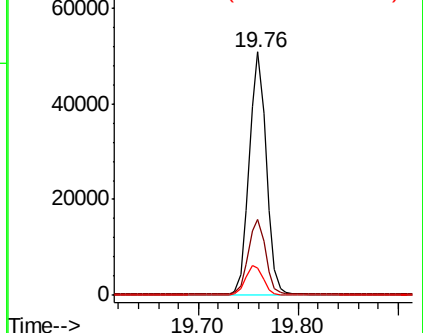
122 11.1 10.2 15.4



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: 0.404 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

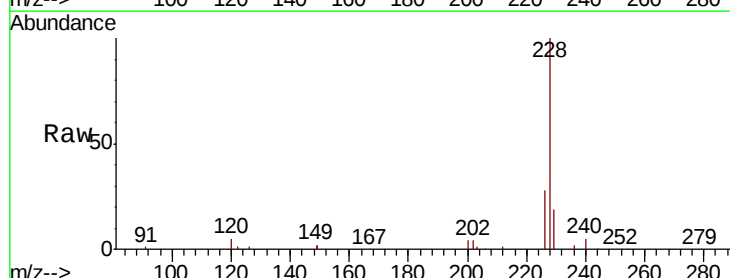
Tgt Ion:228 Resp: 77784

Ion Ratio Lower Upper

228 100

226 27.5 21.5 32.3

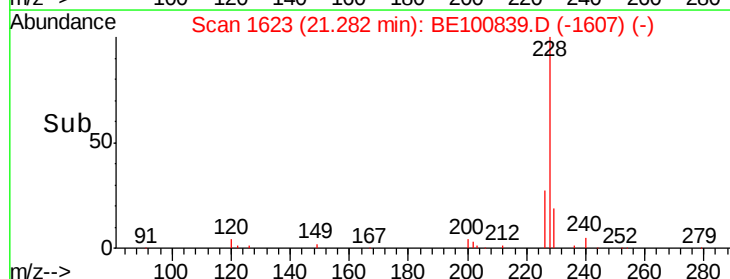
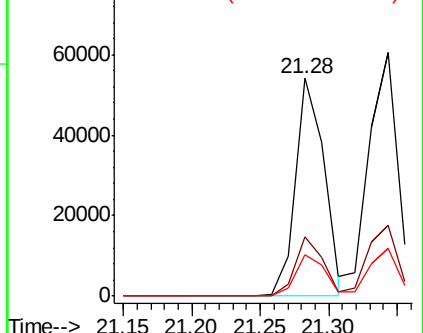
229 19.0 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.395 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

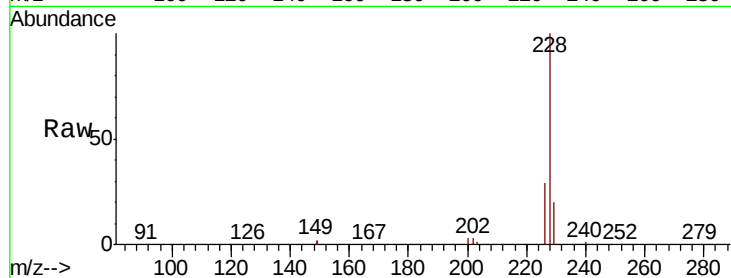
Tot Ion:228 Resp: 89512

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.4

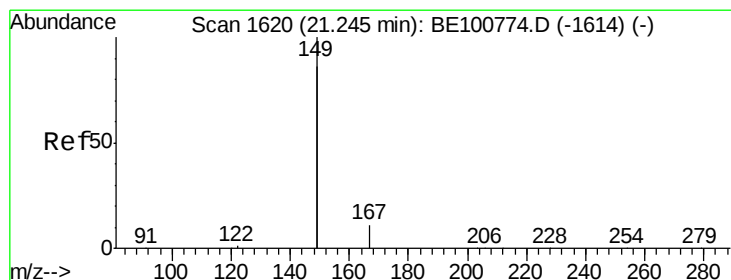
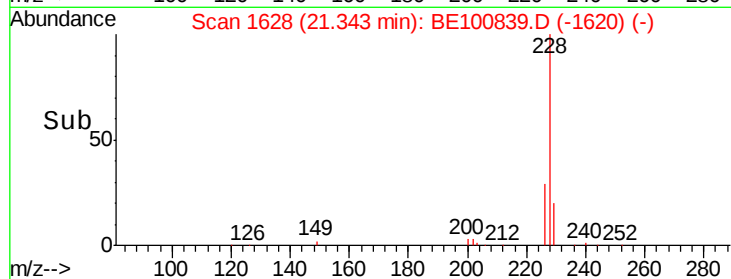
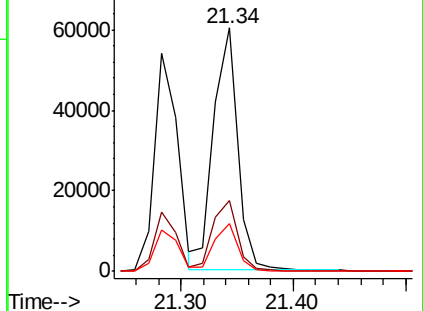
229 19.8 15.4 23.2



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: 0.641 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

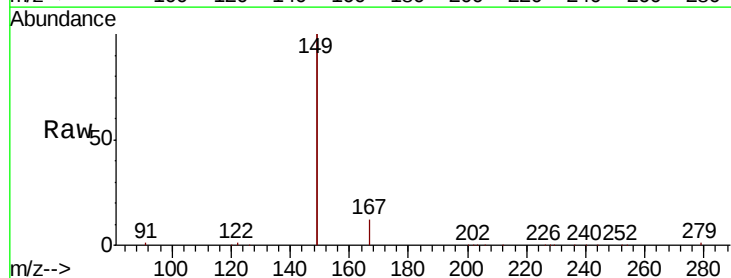
Tgt Ion:149 Resp: 88011

Ion Ratio Lower Upper

149 100

167 6.2 5.0 7.6

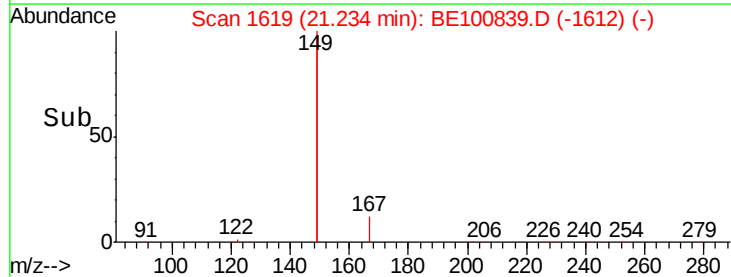
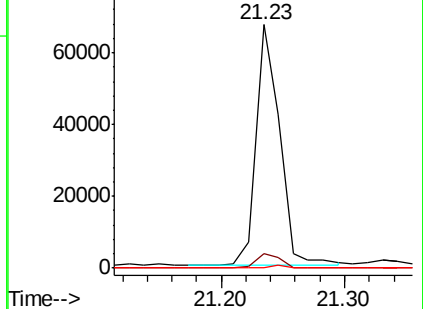
279 0.8 0.7 1.1



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

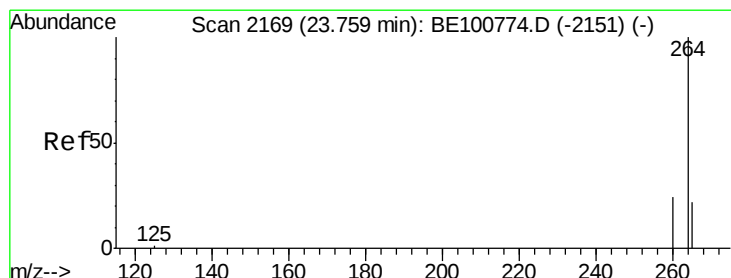
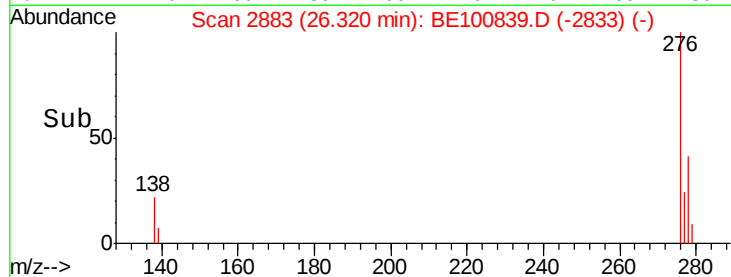
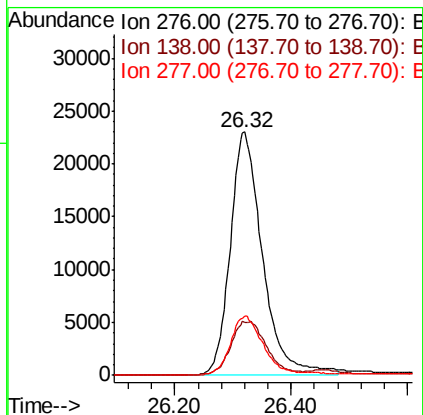
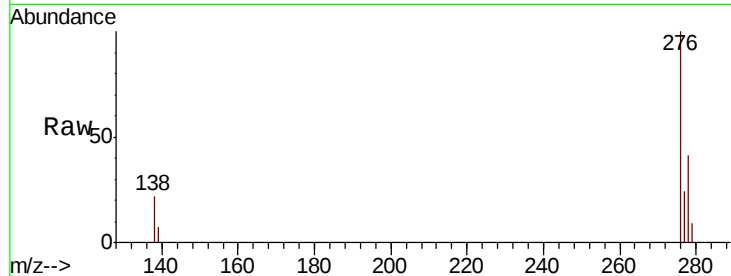




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.447 ng
RT: 26.32 min Scan# 2883
Delta R.T. -0.02 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

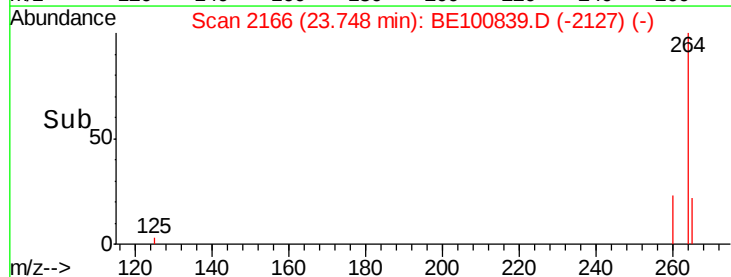
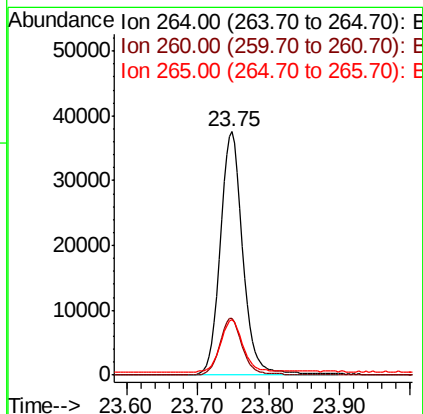
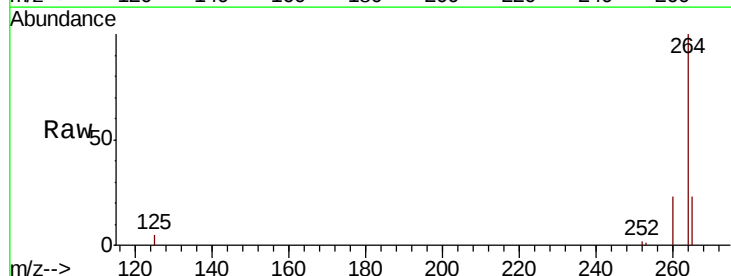
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

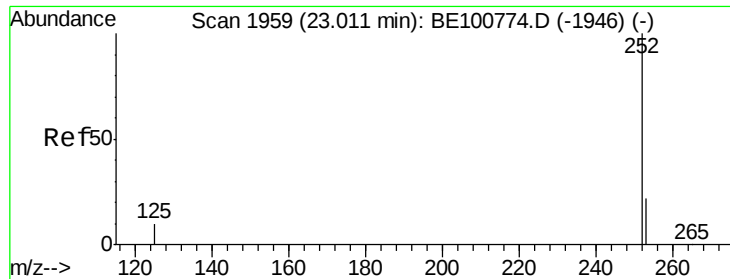
Tot Ion:276 Resp: 88227
Ion Ratio Lower Upper
276 100
138 24.1 19.4 29.0
277 24.3 19.8 29.6



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Tgt Ion:264 Resp: 81705
Ion Ratio Lower Upper
264 100
260 23.1 19.4 29.2
265 22.9 21.8 32.8

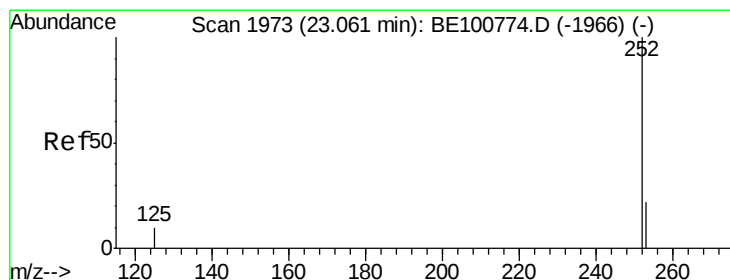
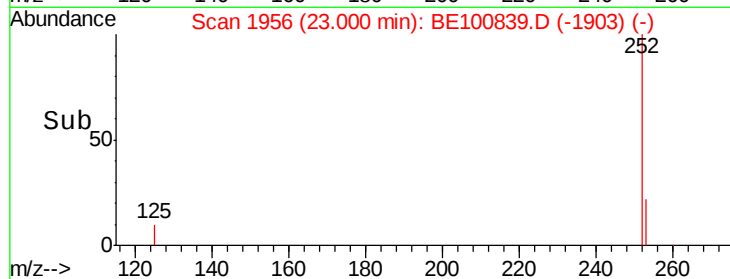
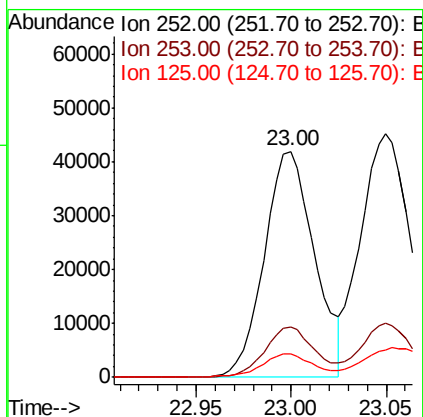
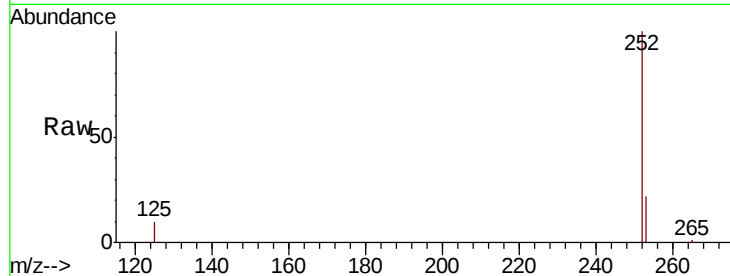




#35
Benzo(b)fluoranthene
Concen: 0.343 ng
RT: 23.00 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

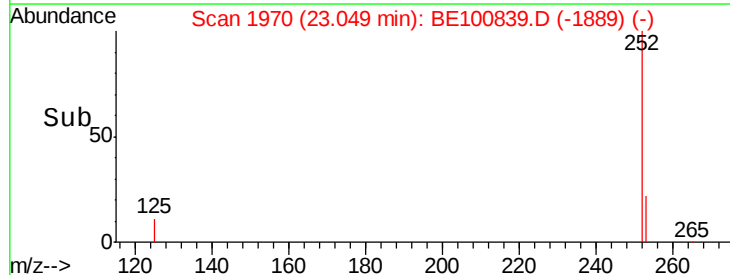
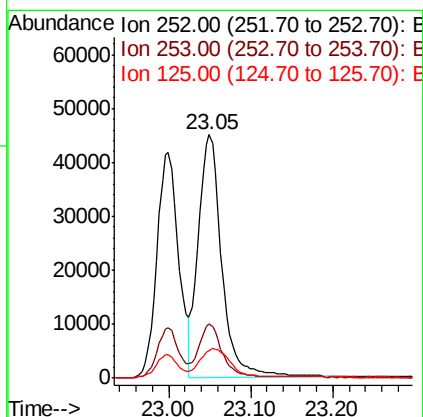
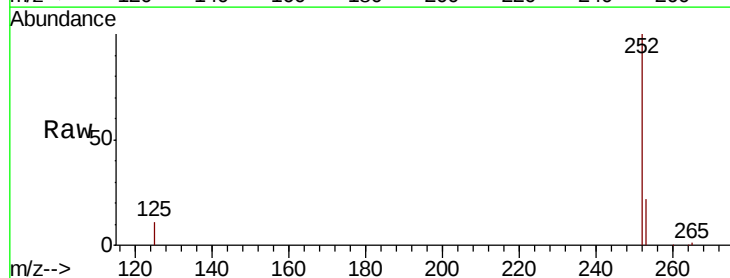
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:252 Resp: 76646
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.3 9.0 13.4



#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 23.05 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BE100839.D
Acq: 11 Dec 2019 9:08

Tgt Ion:252 Resp: 88698
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 11.4 8.7 13.1





#37

Benzo(a)pyrene

Concen: 0.352 ng

RT: 23.63 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

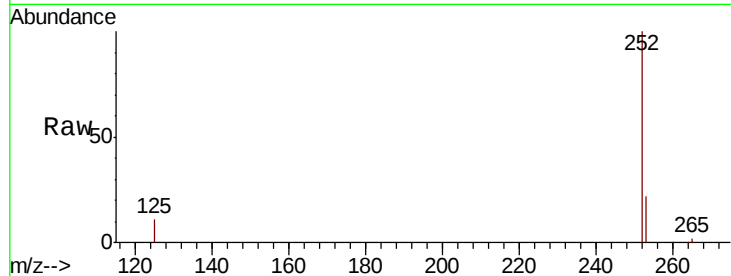
Tot Ion:252 Resp: 68233

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.4

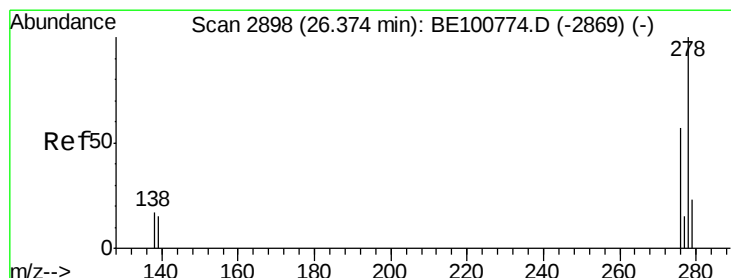
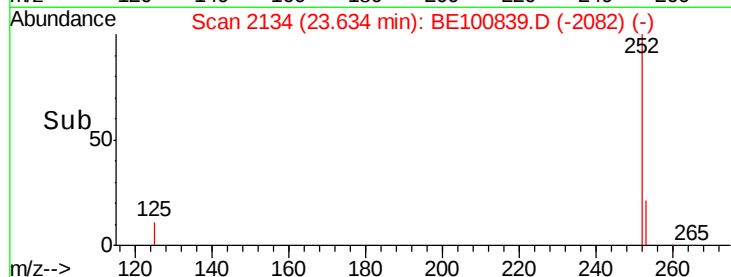
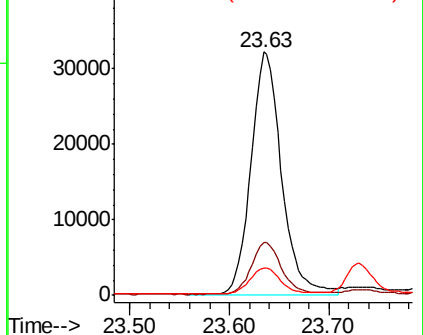
125 11.4 10.4 15.6



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: 0.379 ng

RT: 26.34 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

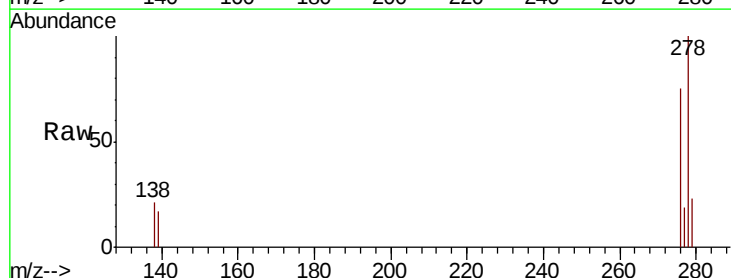
Tgt Ion:278 Resp: 72972

Ion Ratio Lower Upper

278 100

139 16.7 13.0 19.4

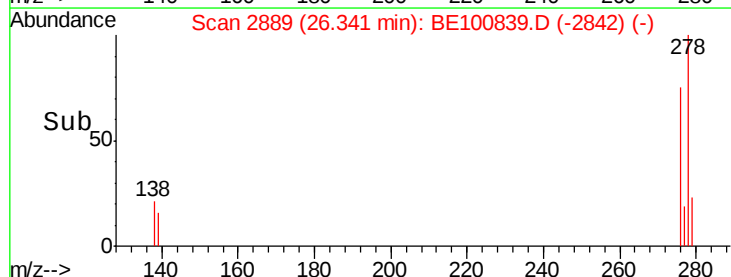
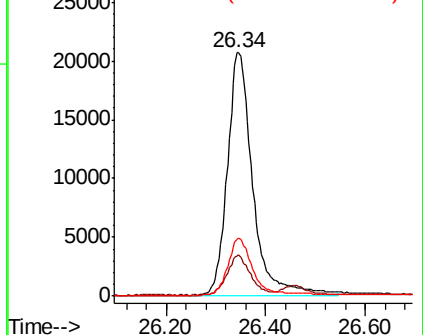
279 23.5 19.6 29.4



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: 0.366 ng

RT: 27.10 min Scan# 3102

Delta R.T. -0.03 min

Lab File: BE100839.D

Acq: 11 Dec 2019 9:08

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

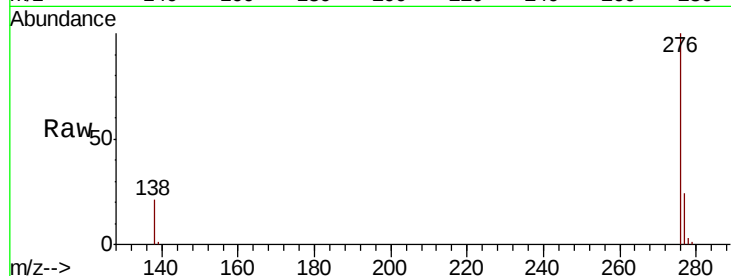
Tot Ion: 276 Resp: 75334

Ion Ratio Lower Upper

276 100

277 23.5 19.3 28.9

138 21.4 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

