

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE121518\
 Data File : BE098487.D
 Acq On : 16 Dec 2018 1:05
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jan 02 02:39:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 10 14:59:55 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	836	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3698	0.40	ng	-0.01
13) Acenaphthene-d10	14.52	164	2300	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	6125	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	7365	0.40	ng	-0.01
34) Perylene-d12	24.00	264	6673	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.46	112	898	0.46	ng	0.01
5) Phenol-d6	7.04	99	1237	0.45	ng	0.00
8) Nitrobenzene-d5	9.03	82	1271	0.38	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	2439	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	16.02	330	376	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4052	0.42	ng	0.00
25) Fluoranthene-d10	19.30	212	32366	0.41	ng	0.00
29) Terphenyl-d14	19.90	244	5975	0.33	ng	0.00

Target Compounds

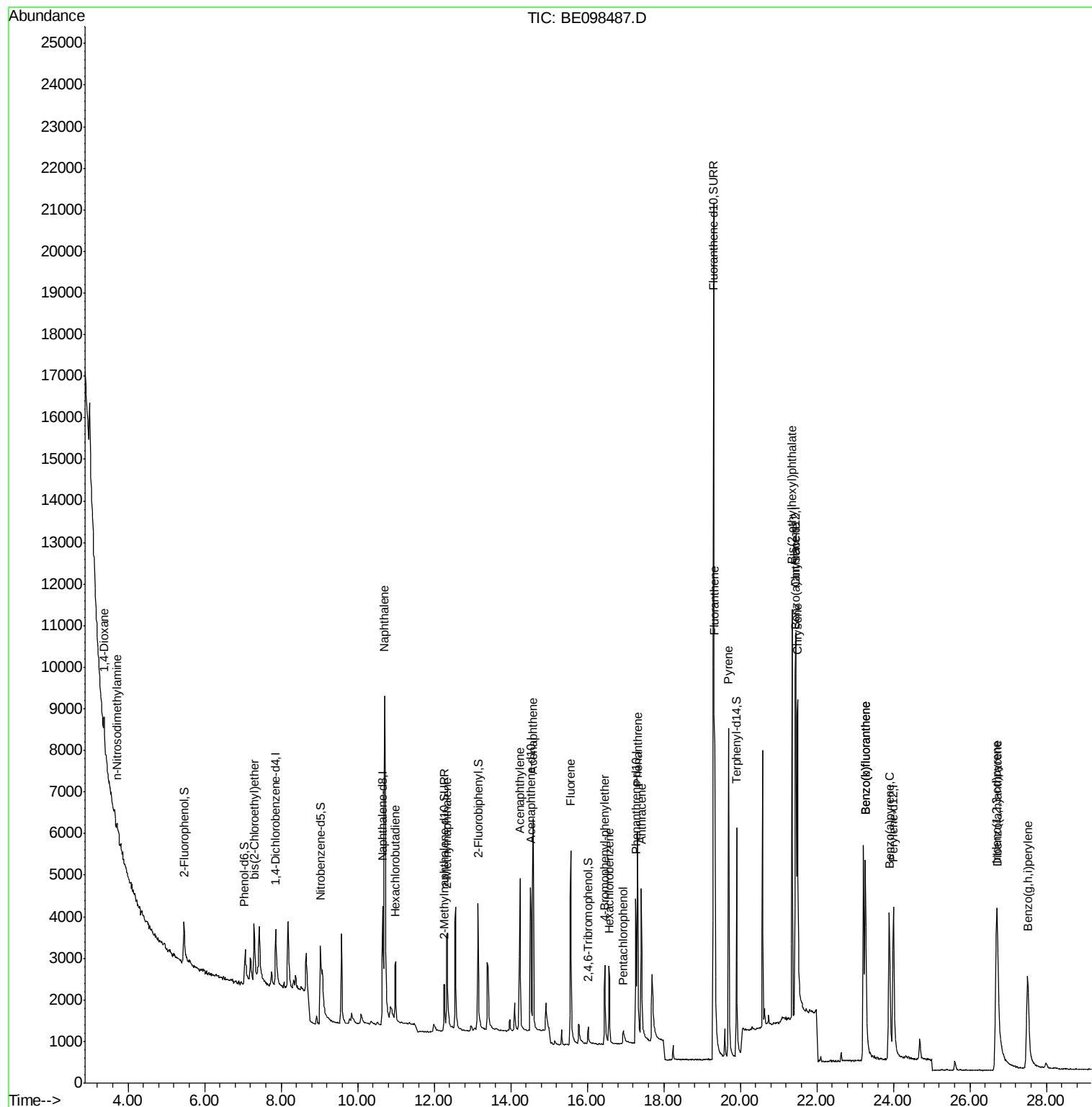
					Qvalue
2) 1,4-Dioxane	3.37	88	515	0.356 ng	92
3) n-Nitrosodimethylamine	3.70	42	319	0.245 ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	848	0.322 ng	97
9) Naphthalene	10.71	128	15519	0.417 ng	99
10) Hexachlorobutadiene	10.99	225	1134	0.479 ng	99
12) 2-Methylnaphthalene	12.34	142	2308	0.382 ng	95
16) Acenaphthylene	14.24	152	4546	0.422 ng	98
17) Acenaphthene	14.59	154	2619	0.405 ng	# 92
18) Fluorene	15.57	166	3539	0.409 ng	97
20) 4-Bromophenyl-phenylether	16.46	248	1238	0.376 ng	# 82
21) Hexachlorobenzene	16.58	284	1535	0.433 ng	92
22) Pentachlorophenol	16.94	266	314	0.526 ng	96
23) Phenanthrene	17.31	178	6062	0.407 ng	100
24) Anthracene	17.41	178	4687	0.353 ng	98
26) Fluoranthene	19.33	202	8221	0.417 ng	98
28) Pyrene	19.69	202	8937	0.387 ng	99
30) Benzo(a)anthracene	21.44	228	7332	0.350 ng	98
31) Chrysene	21.50	228	9070	0.413 ng	98
32) Bis(2-ethylhexyl)phthalate	21.35	149	11150	0.262 ng	98
33) Indeno(1,2,3-cd)pyrene	26.69	276	8726	0.399 ng	# 85
35) Benzo(b)fluoranthene	23.27	252	9361	0.513 ng	99
36) Benzo(k)fluoranthene	23.27	252	9840	0.463 ng	98
37) Benzo(a)pyrene	23.89	252	7992	0.424 ng	# 94
38) Dibenzo(a,h)anthracene	26.72	278	6570	0.370 ng	# 95
39) Benzo(g,h,i)perylene	27.51	276	7550	0.422 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: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

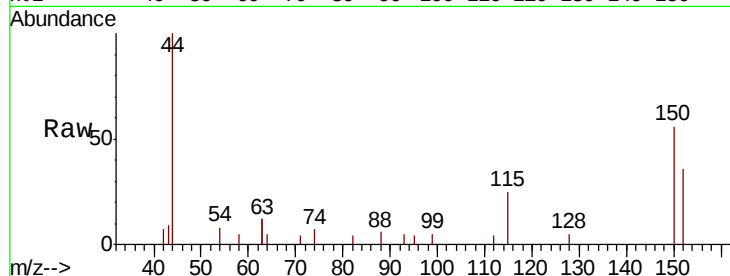
Tgt Ion:152 Resp: 836

Ion Ratio Lower Upper

152 100

150 156.2 124.2 186.4

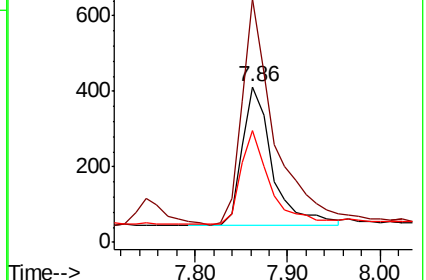
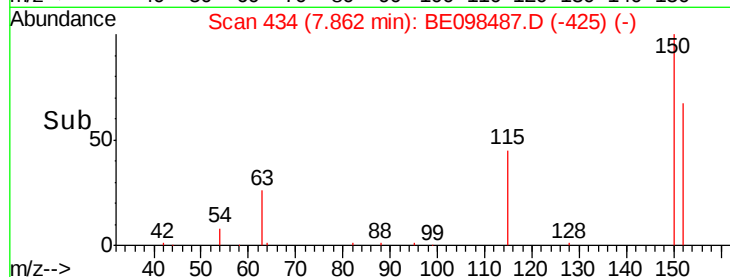
115 71.4 53.9 80.9



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: 0.356 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

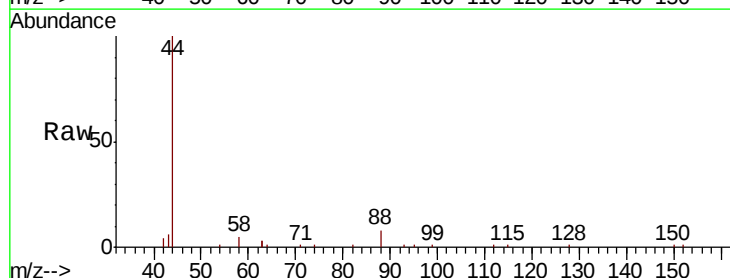
Tgt Ion: 88 Resp: 515

Ion Ratio Lower Upper

88 100

58 82.3 75.0 112.6

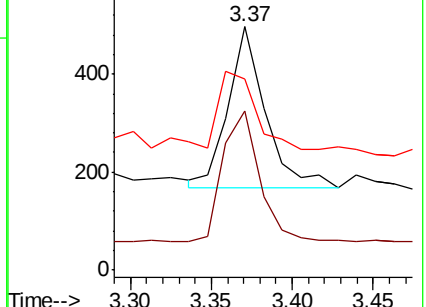
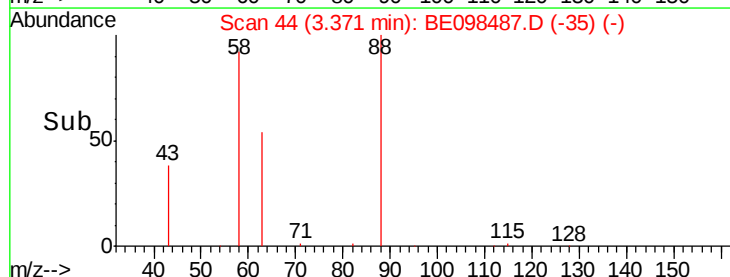
43 48.2 38.3 57.5



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.245 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

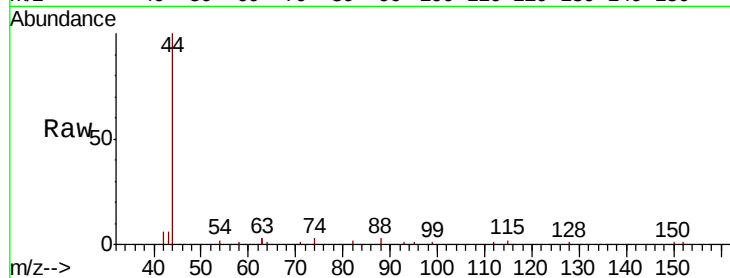
Tgt Ion: 42 Resp: 319

Ion Ratio Lower Upper

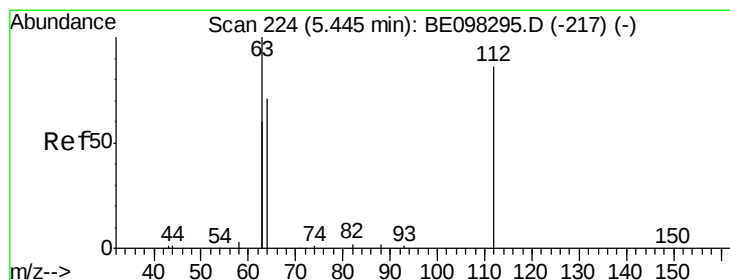
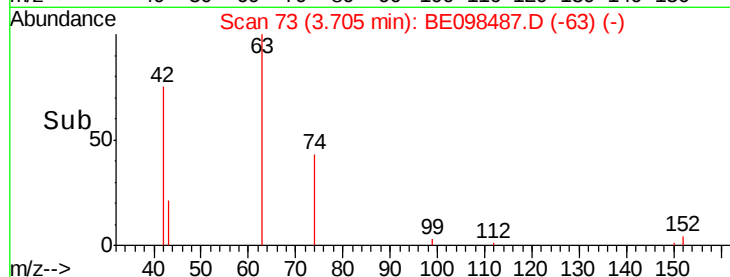
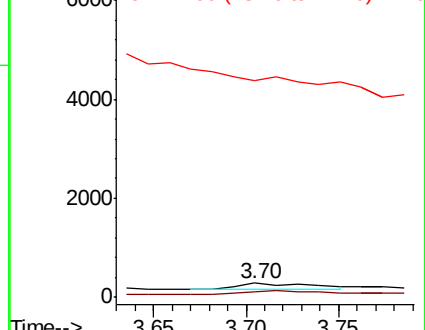
42 100

74 69.0 0.0 0.0#

44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.459 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

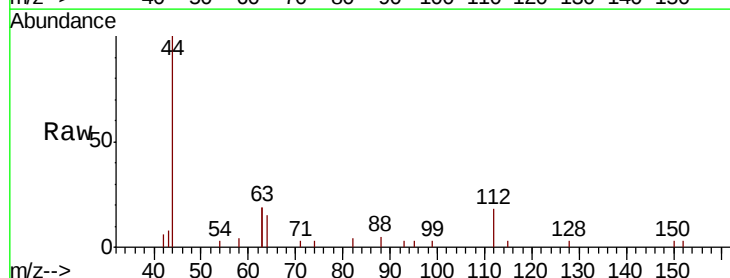
Tgt Ion: 112 Resp: 898

Ion Ratio Lower Upper

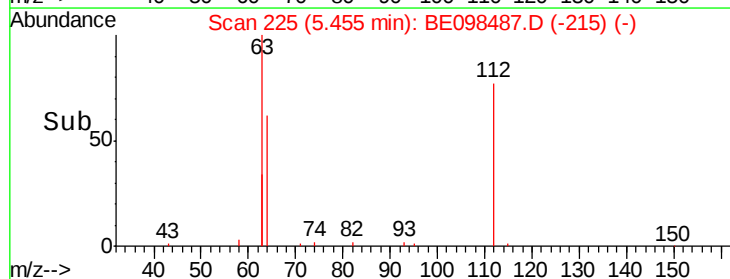
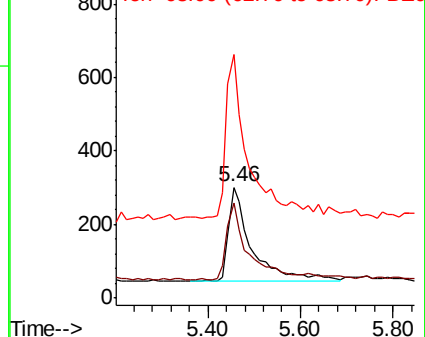
112 100

64 73.1 59.8 89.8

63 150.8 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.446 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

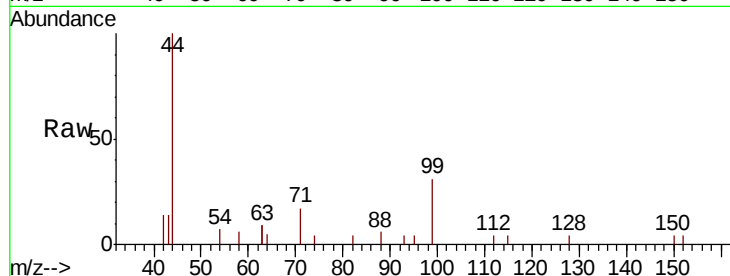
Tgt Ion: 99 Resp: 1237

Ion Ratio Lower Upper

99 100

42 34.1 26.3 39.5

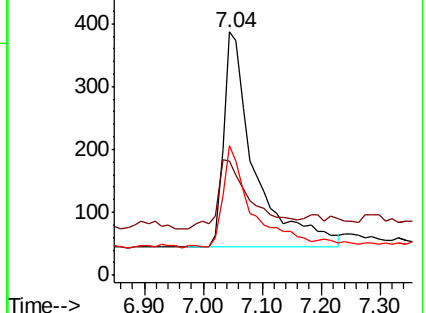
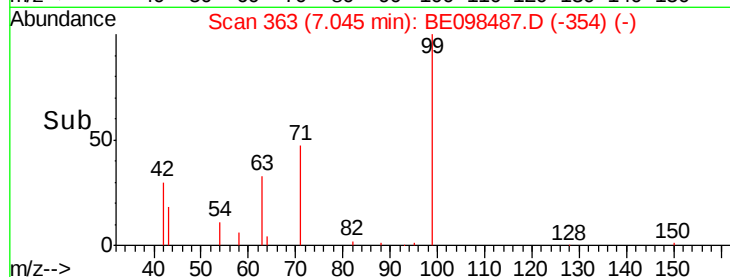
71 44.8 33.6 50.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.322 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

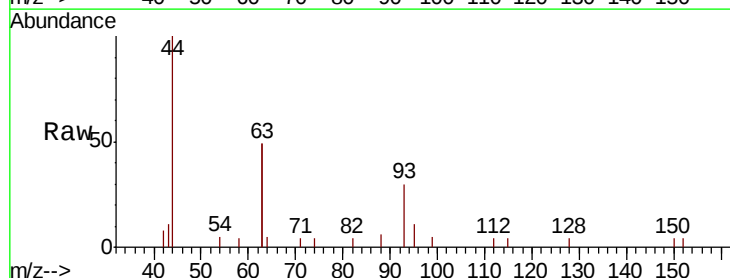
Tgt Ion: 93 Resp: 848

Ion Ratio Lower Upper

93 100

63 325.1 264.4 396.6

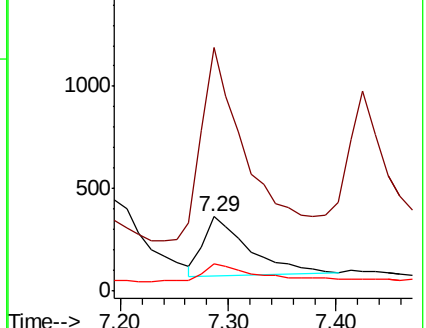
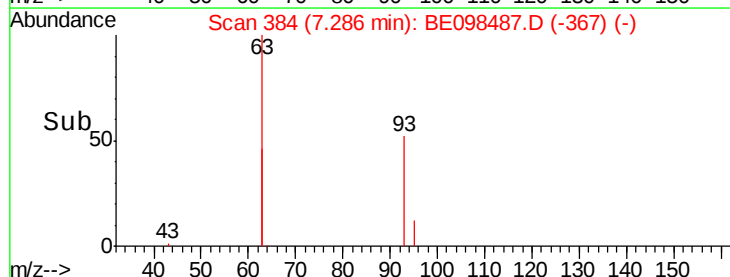
95 39.6 26.6 40.0



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 3698

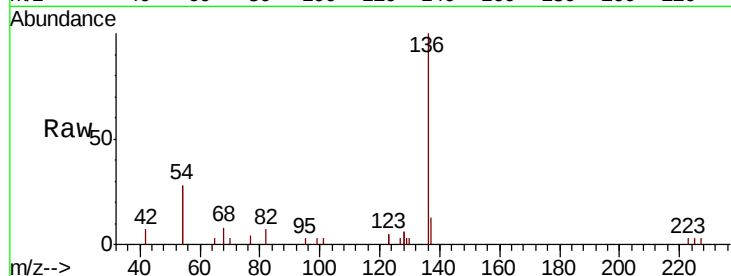
Ion Ratio Lower Upper

136 100

137 13.0 9.2 13.8

54 56.5 28.4 42.6#

68 8.3 5.4 8.0#

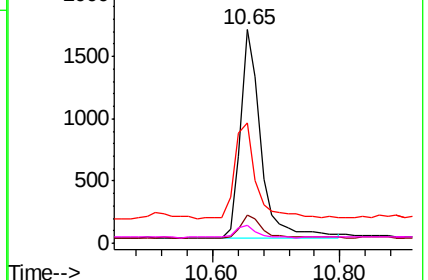
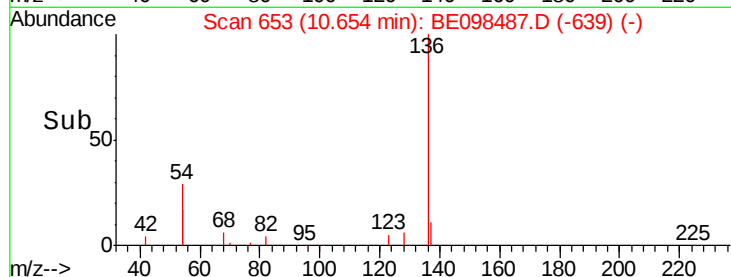


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.378 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

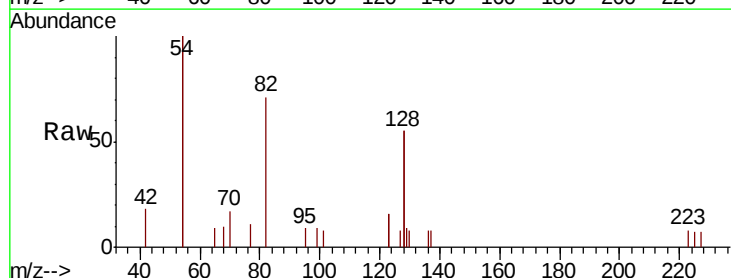
Tgt Ion: 82 Resp: 1271

Ion Ratio Lower Upper

82 100

128 153.5 102.4 153.6

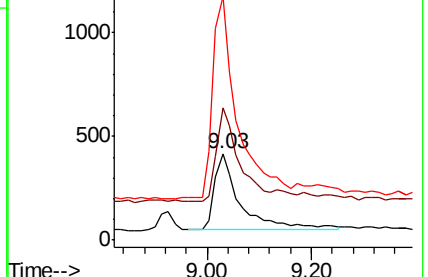
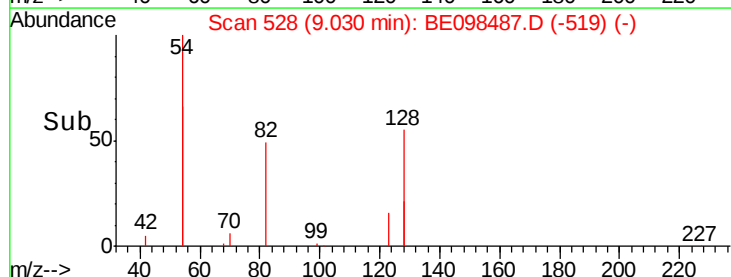
54 281.5 221.8 332.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.417 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

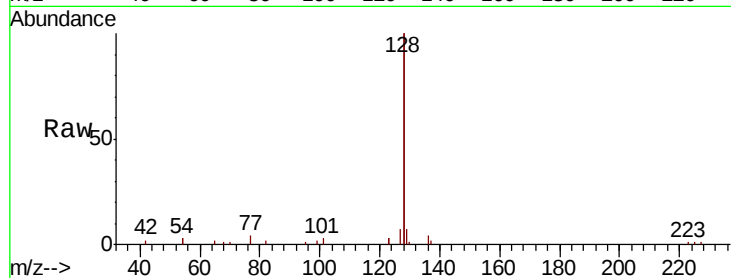
Tgt Ion:128 Resp: 15519

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

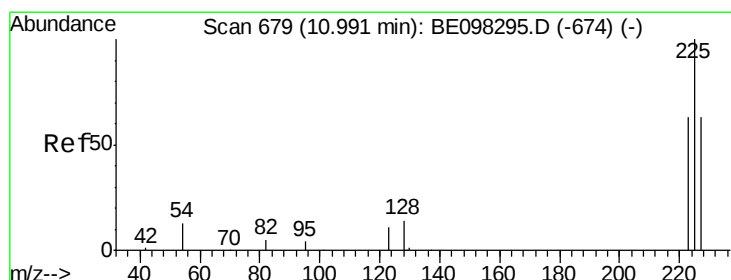
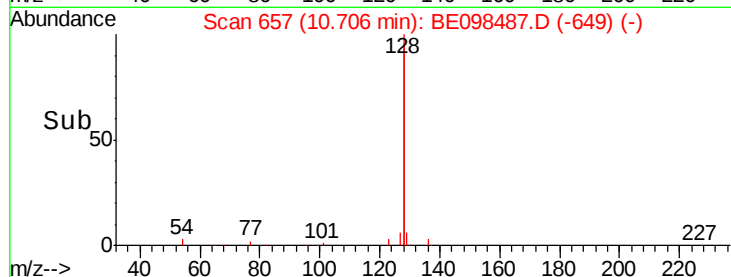
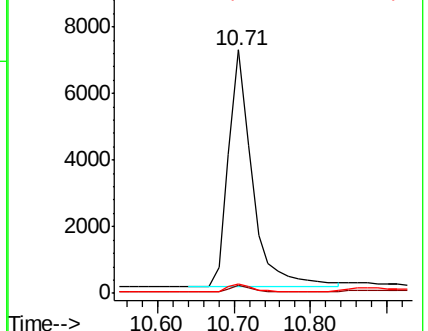
127 3.7 2.7 4.1



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: 0.479 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

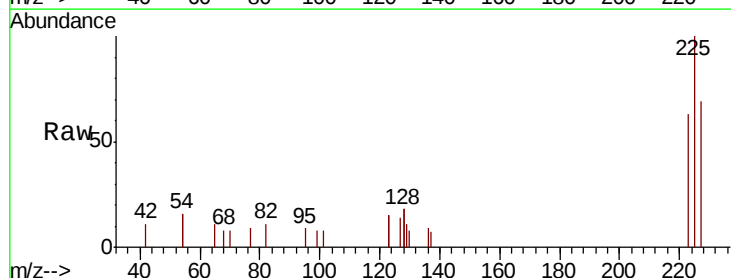
Tgt Ion:225 Resp: 1134

Ion Ratio Lower Upper

225 100

223 61.2 49.4 74.0

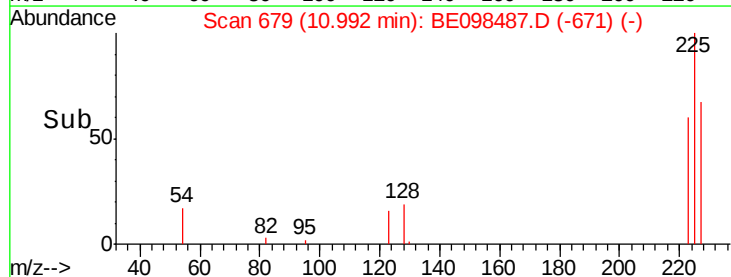
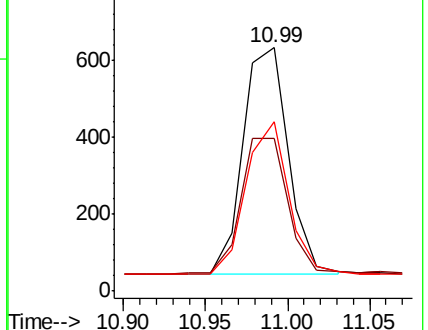
227 63.4 52.0 78.0

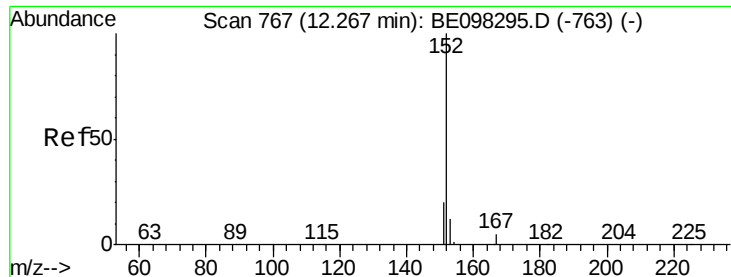


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

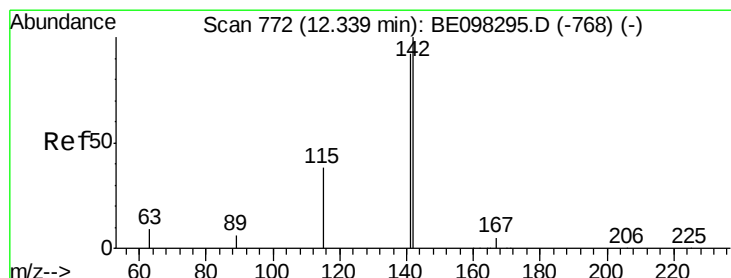
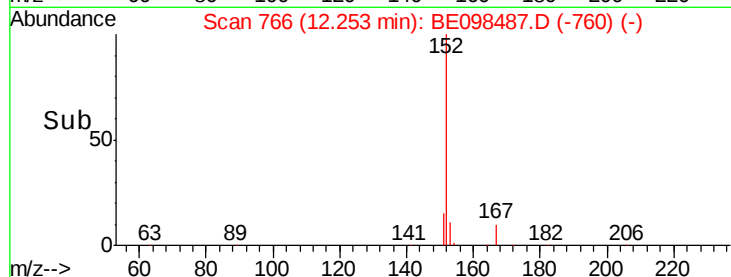
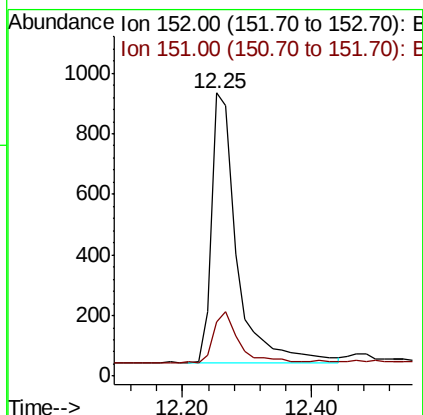
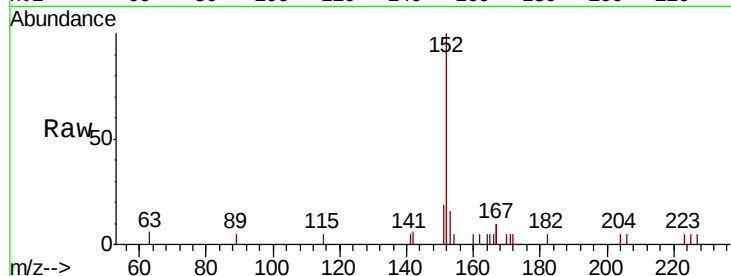




#11
 2-Methylnaphthalene-d10
 Concen: 0.406 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

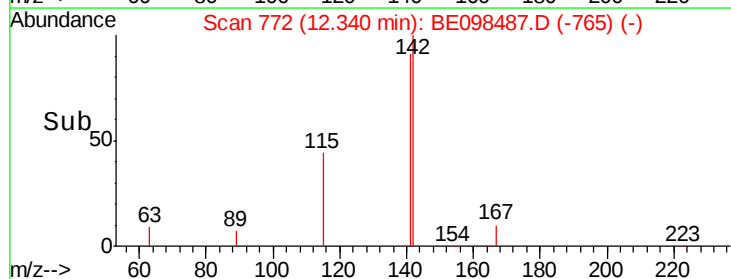
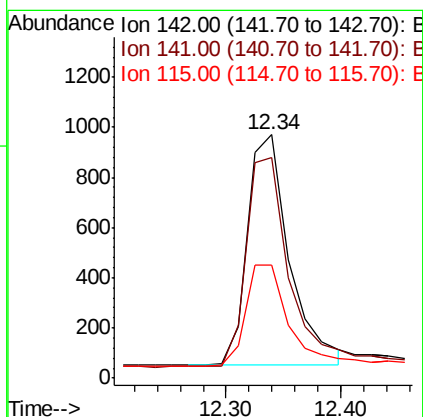
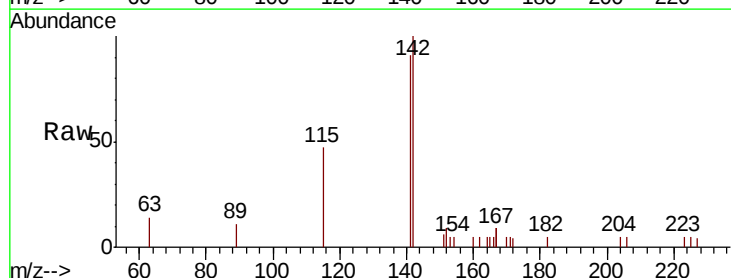
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

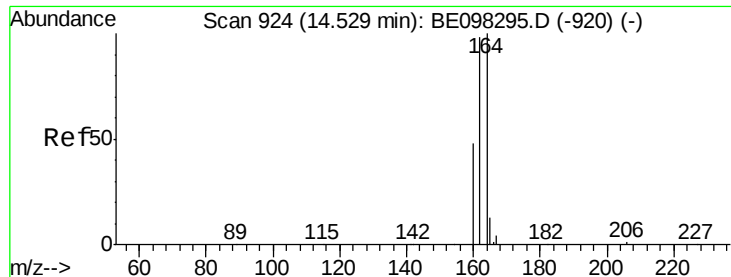
Tgt Ion:152 Resp: 2439
 Ion Ratio Lower Upper
 152 100
 151 19.0 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.382 ng
 RT: 12.34 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

Tgt Ion:142 Resp: 2308
 Ion Ratio Lower Upper
 142 100
 141 90.7 71.0 106.6
 115 46.5 32.2 48.2

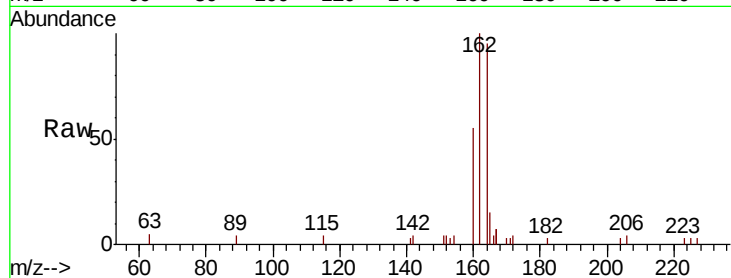




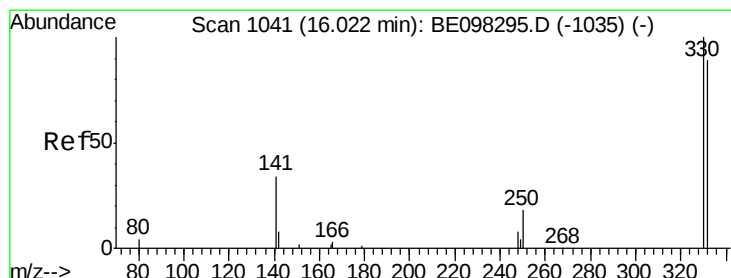
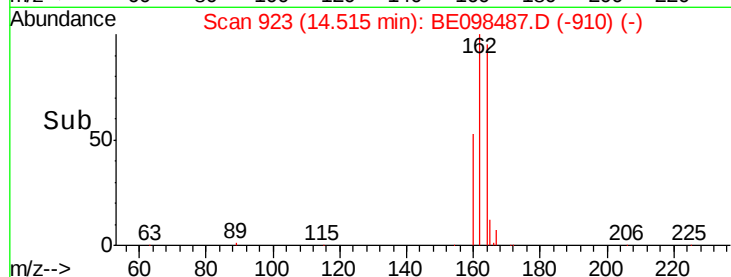
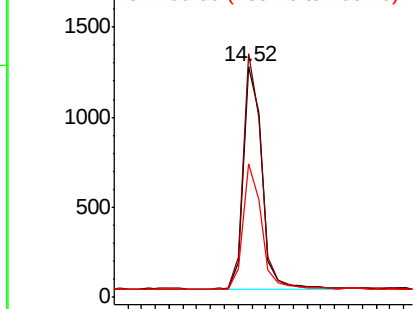
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

Tgt Ion:164 Resp: 2300
 Ion Ratio Lower Upper
 164 100
 162 105.7 77.6 116.4
 160 57.9 36.0 54.0#

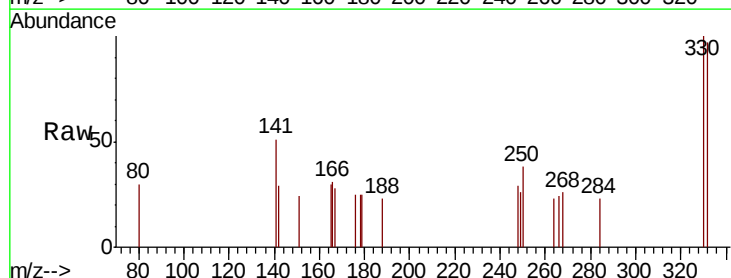


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

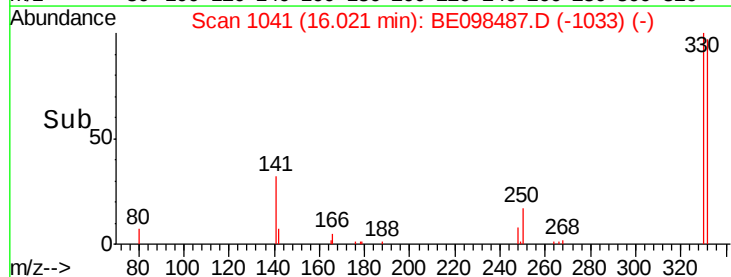
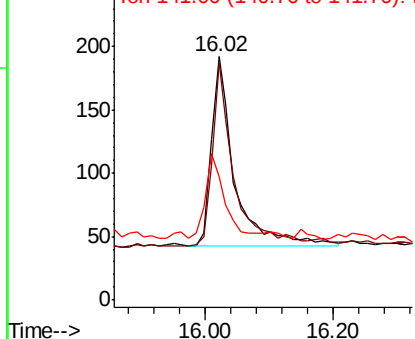


#14
 2,4,6-Tribromophenol
 Concen: 0.445 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

Tgt Ion:330 Resp: 376
 Ion Ratio Lower Upper
 330 100
 332 90.7 76.2 114.4
 141 38.0 39.0 58.4#



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

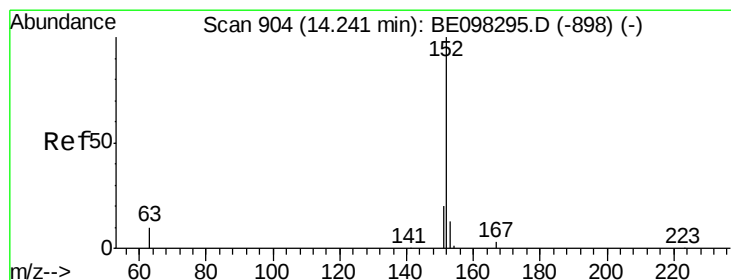
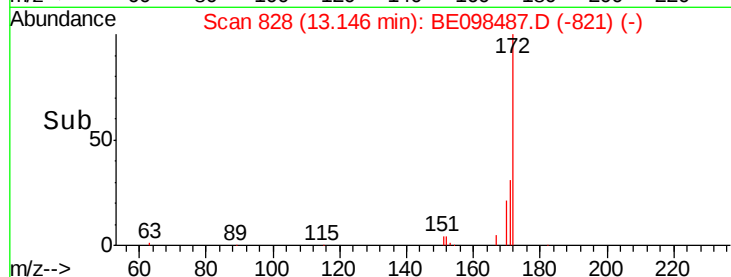
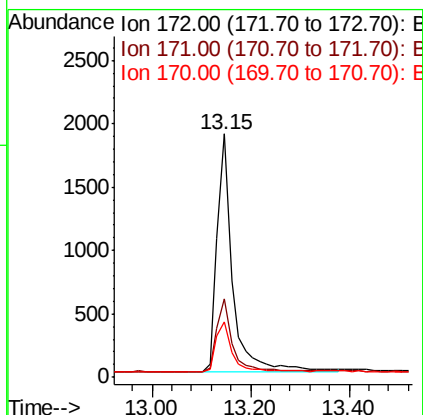
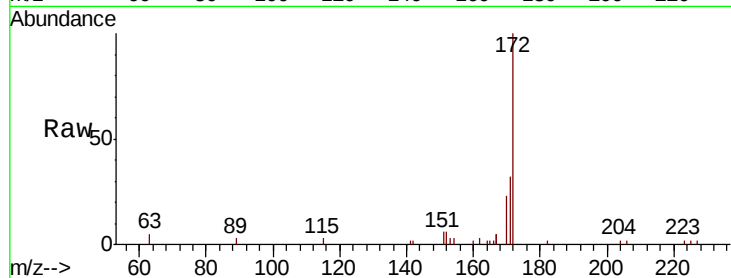




#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098487.D
Acq: 16 Dec 2018 1:05

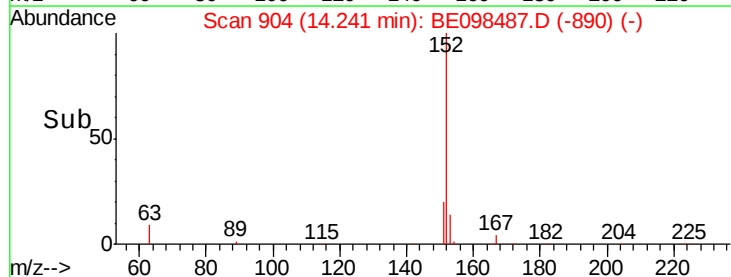
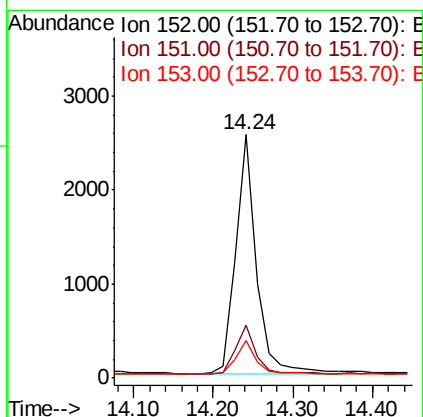
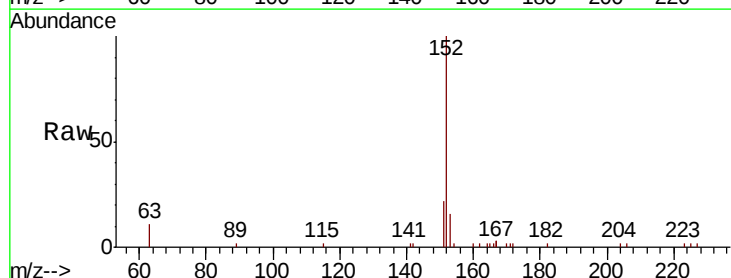
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 4052
Ion Ratio Lower Upper
172 100
171 32.3 27.5 41.3
170 22.9 19.6 29.4



#16
Acenaphthylene
Concen: 0.422 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098487.D
Acq: 16 Dec 2018 1:05

Tgt Ion:152 Resp: 4546
Ion Ratio Lower Upper
152 100
151 20.5 15.5 23.3
153 14.0 10.6 16.0

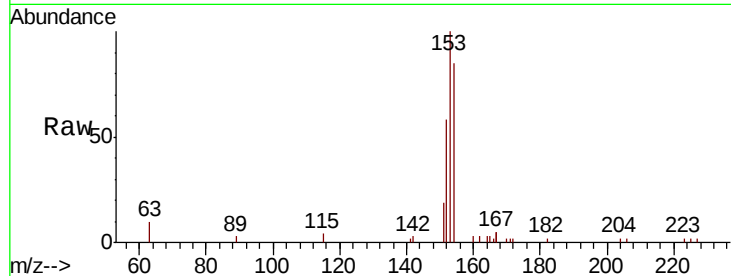




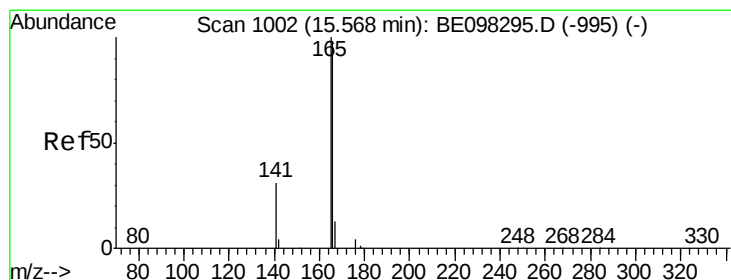
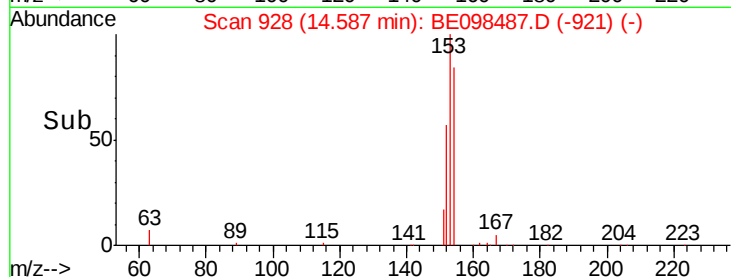
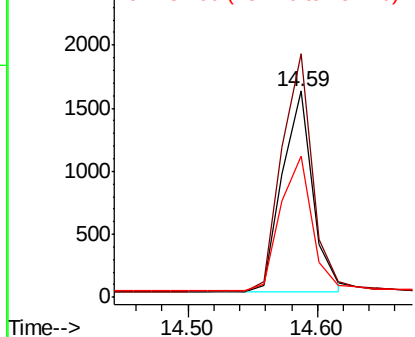
#17
Acenaphthene
Concen: 0.405 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE098487.D
Acq: 16 Dec 2018 1:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2619
Ion Ratio Lower Upper
154 100
153 118.9 91.8 137.6
152 69.2 45.5 68.3#

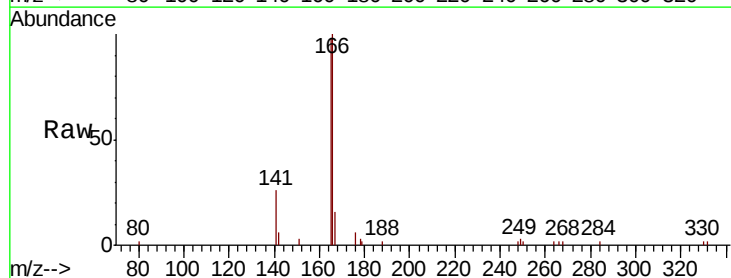


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

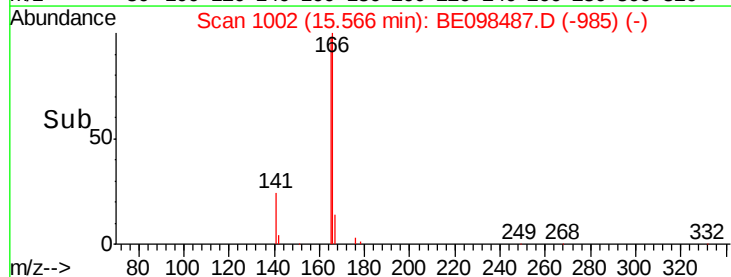
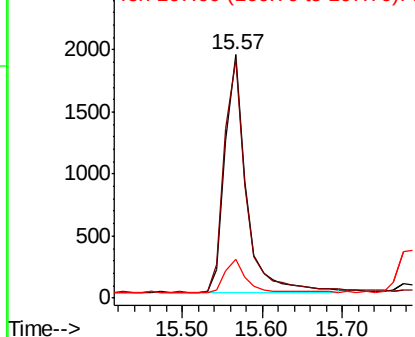


#18
Fluorene
Concen: 0.409 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098487.D
Acq: 16 Dec 2018 1:05

Tgt Ion:166 Resp: 3539
Ion Ratio Lower Upper
166 100
165 102.0 79.3 118.9
167 14.2 11.3 16.9



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: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

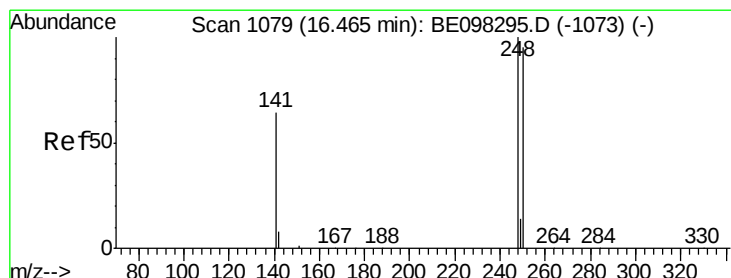
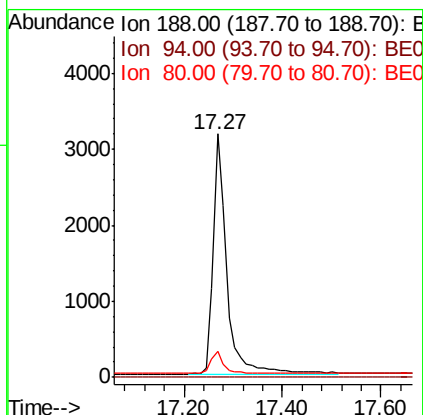
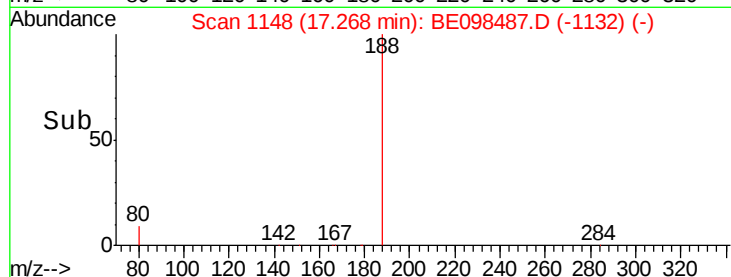
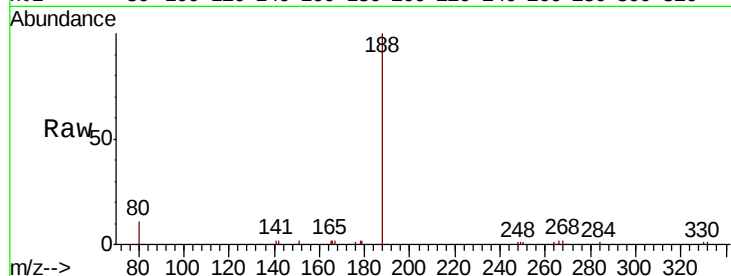
Tgt Ion:188 Resp: 6125

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 7.2 10.8#



#20

4-Bromophenyl-phenylether

Concen: 0.376 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

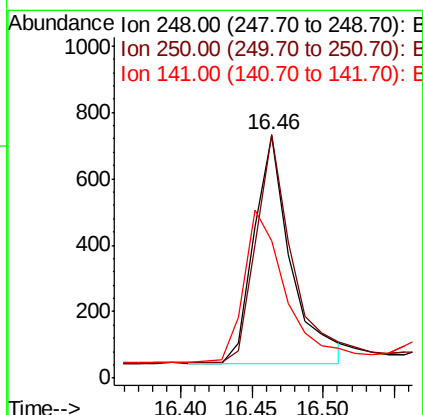
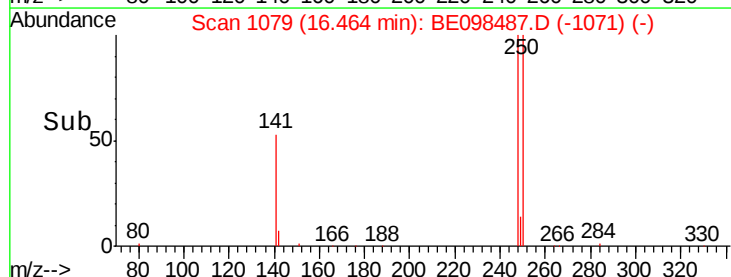
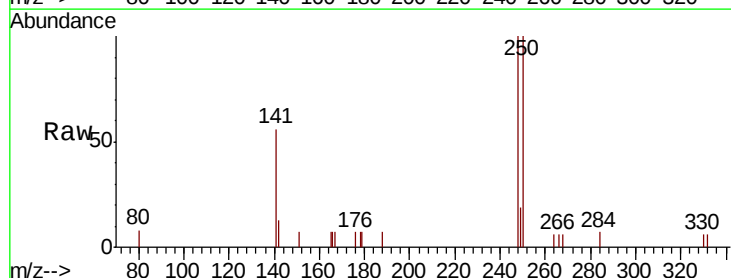
Tgt Ion:248 Resp: 1238

Ion Ratio Lower Upper

248 100

250 100.3 71.0 106.6

141 56.5 62.1 93.1#





#21

Hexachlorobenzene

Concen: 0.433 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

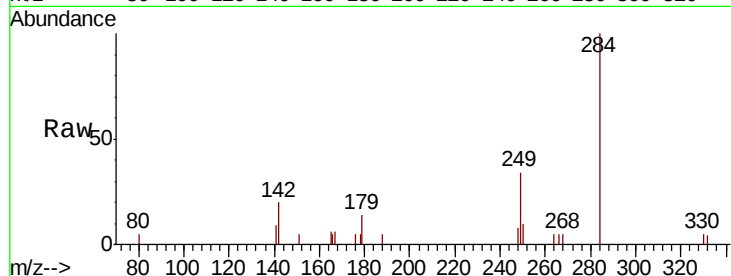
Tgt Ion:284 Resp: 1535

Ion Ratio Lower Upper

284 100

142 37.9 26.3 39.5

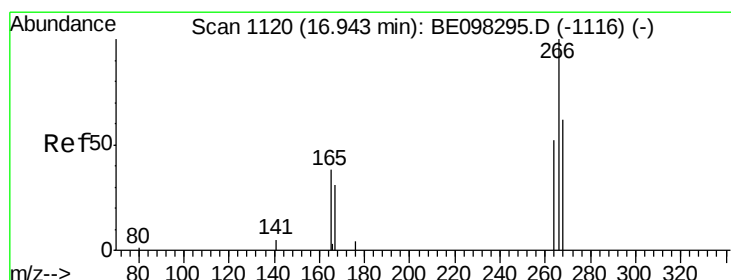
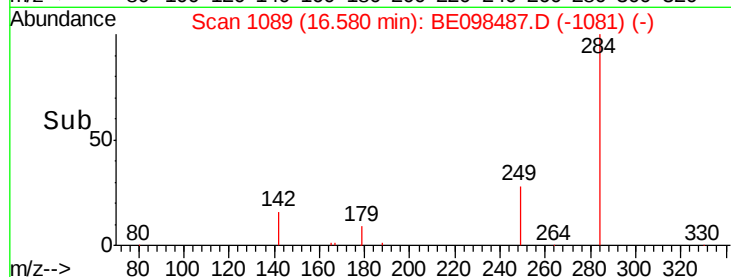
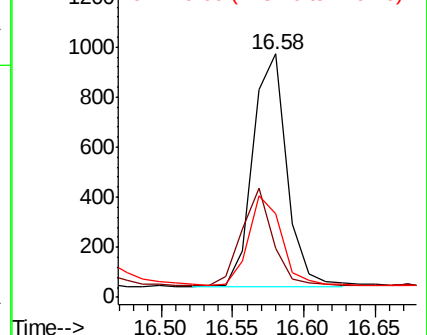
249 36.7 26.0 39.0



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: 0.526 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

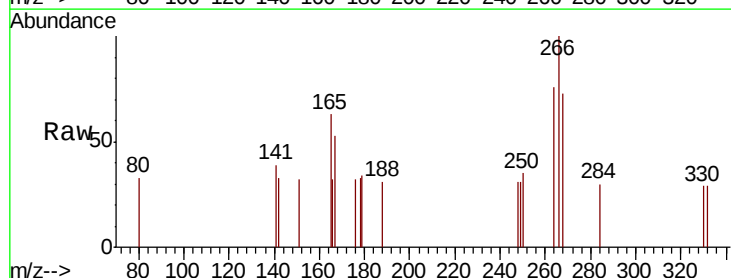
Tgt Ion:266 Resp: 314

Ion Ratio Lower Upper

266 100

264 76.0 59.0 88.4

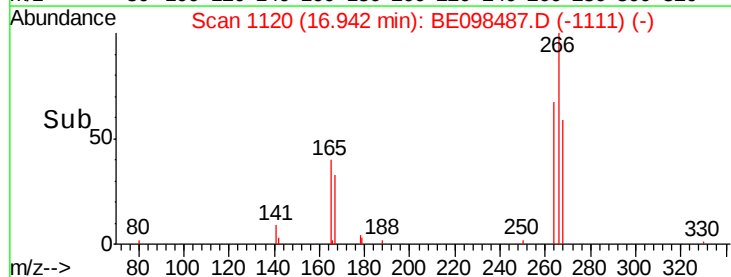
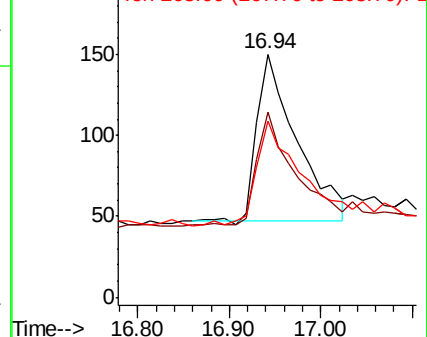
268 72.7 55.1 82.7



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.407 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

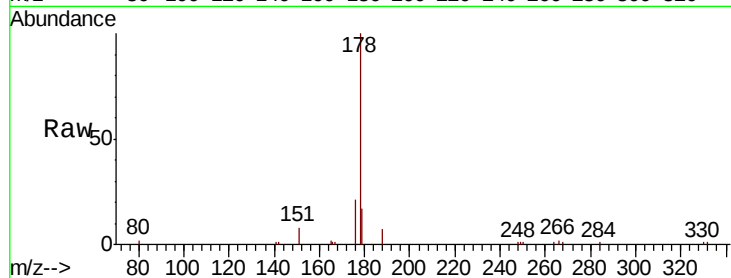
Tgt Ion:178 Resp: 6062

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

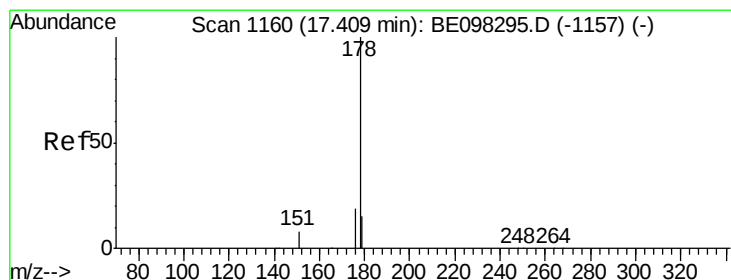
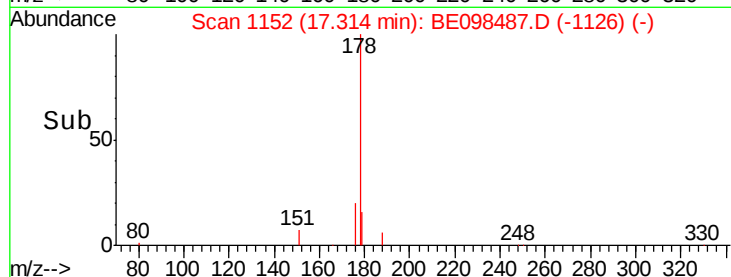
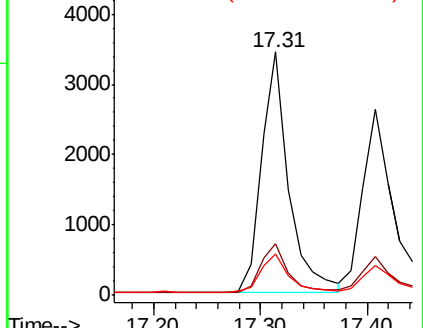
179 15.8 12.3 18.5



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: 0.353 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

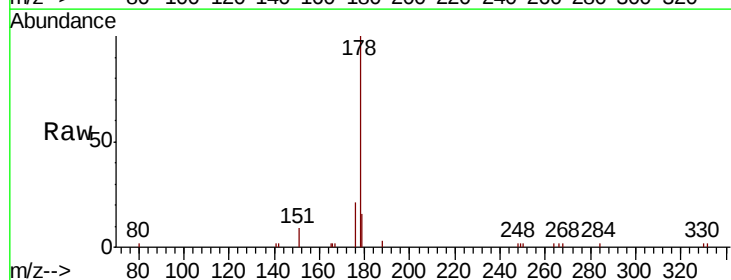
Tgt Ion:178 Resp: 4687

Ion Ratio Lower Upper

178 100

176 20.1 15.0 22.4

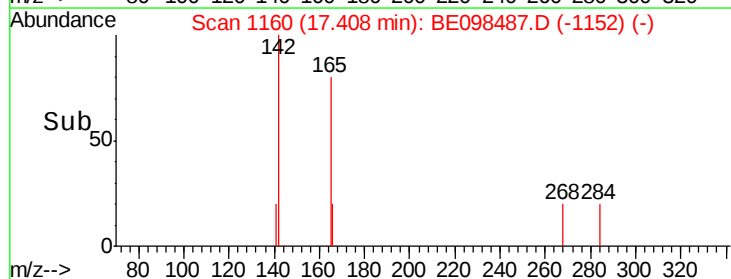
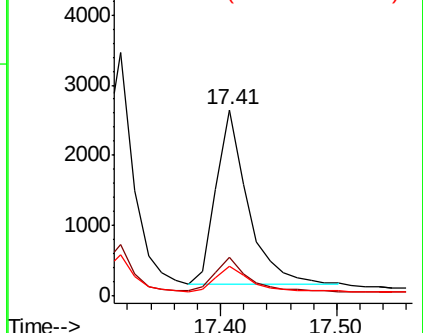
179 15.2 12.3 18.5



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

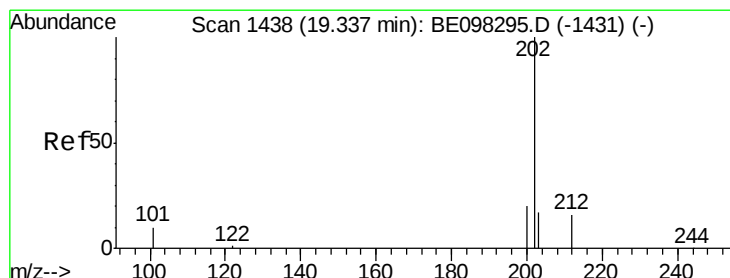
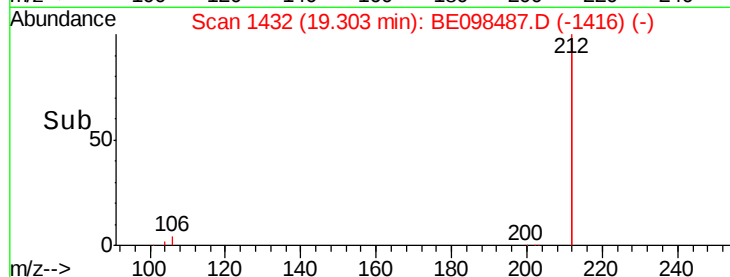
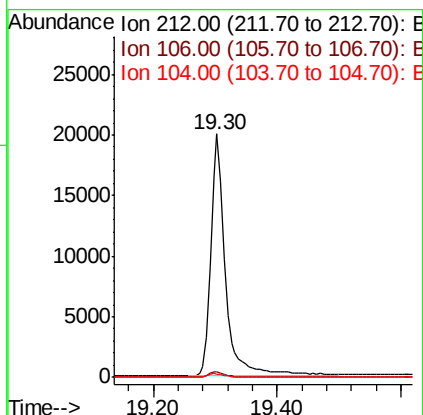
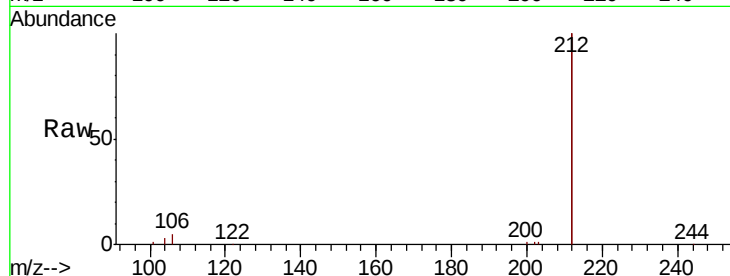




#25
 Fluoranthene-d10
 Concen: 0.412 ng
 RT: 19.30 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

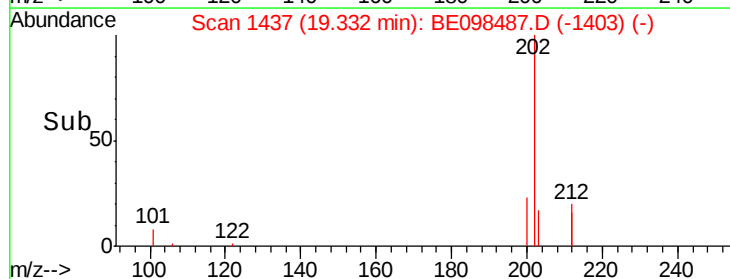
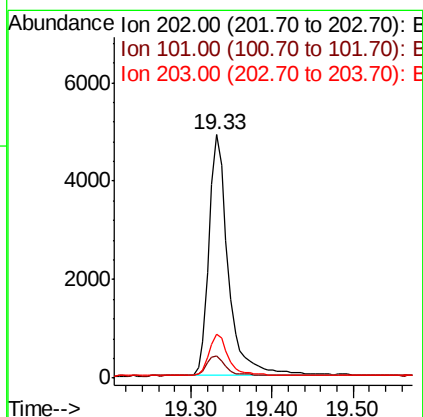
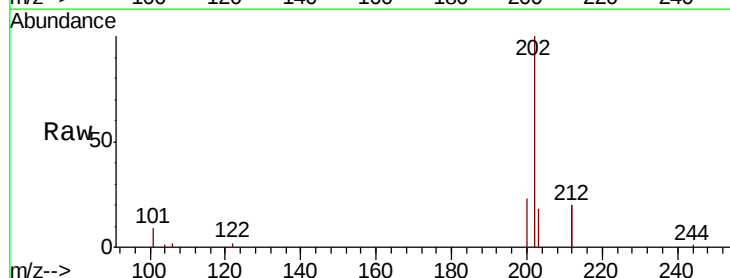
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 212 Resp: 32366
 Ion Ratio Lower Upper
 212 100
 106 2.3 2.2 3.2
 104 1.3 1.3 1.9



#26
 Fluoranthene
 Concen: 0.417 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

Tgt Ion: 202 Resp: 8221
 Ion Ratio Lower Upper
 202 100
 101 8.6 8.0 12.0
 203 16.7 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

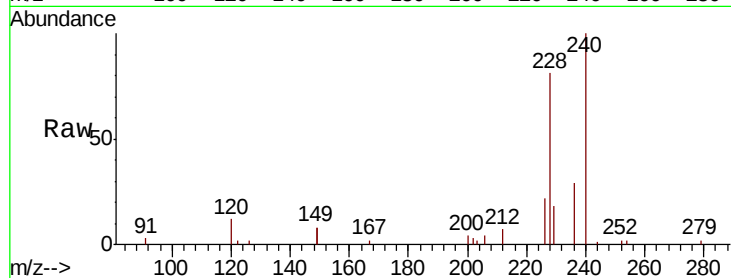
Tgt Ion:240 Resp: 7365

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

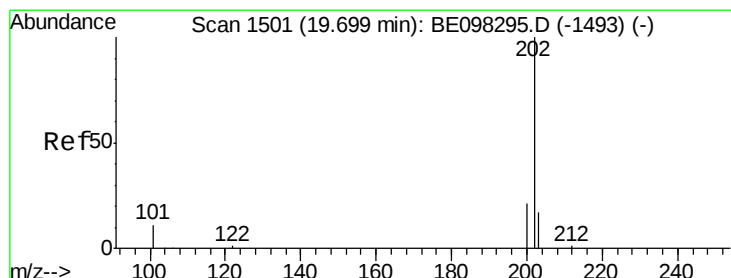
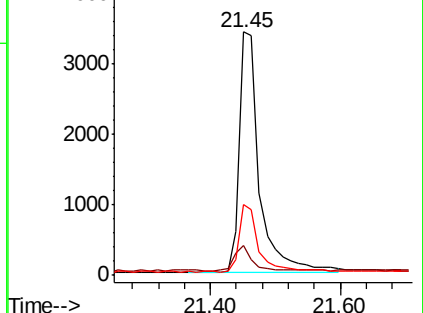
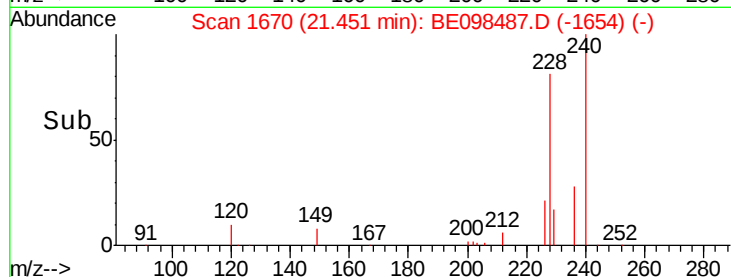
236 29.2 22.7 34.1



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: 0.387 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

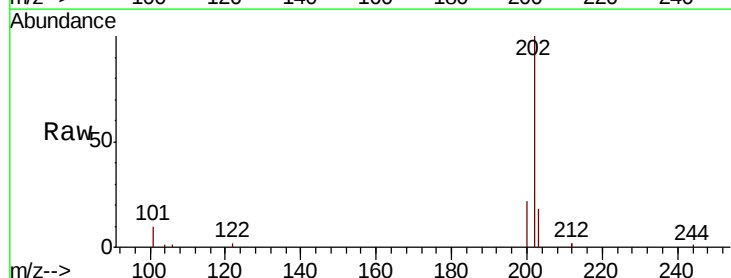
Tgt Ion:202 Resp: 8937

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

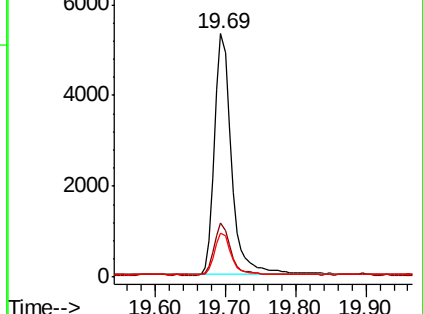
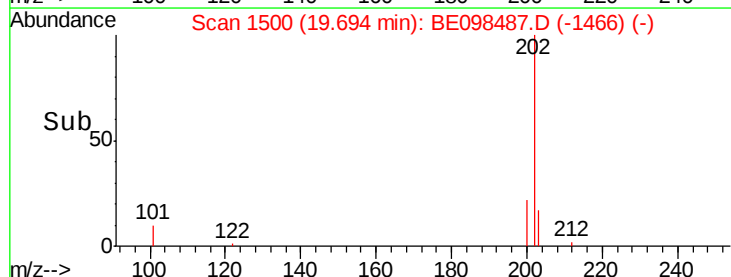
203 16.8 14.1 21.1

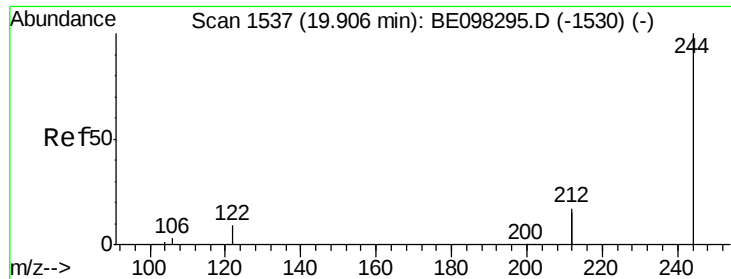


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.334 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

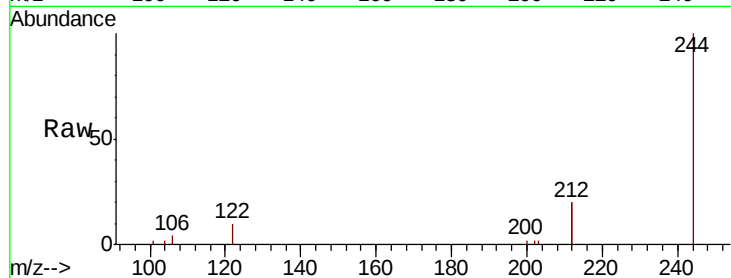
Tgt Ion:244 Resp: 5975

Ion Ratio Lower Upper

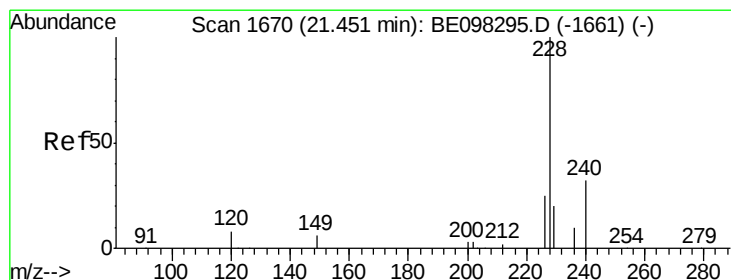
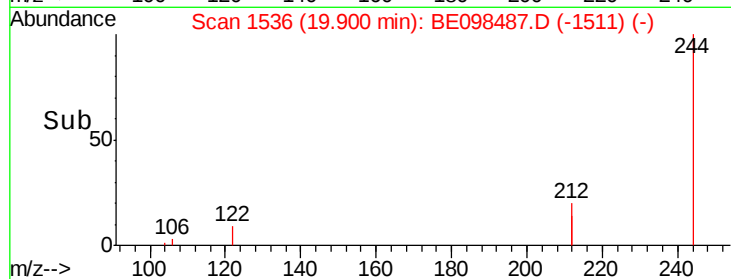
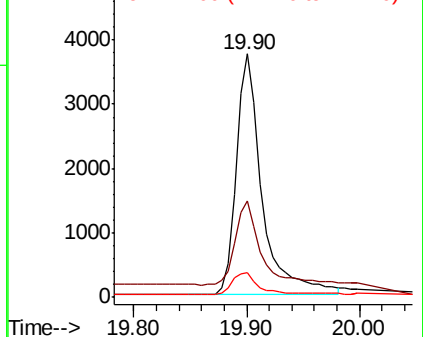
244 100

212 39.5 27.4 41.0

122 9.9 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.350 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

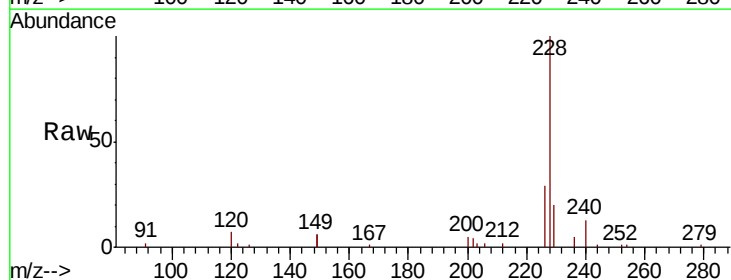
Tgt Ion:228 Resp: 7332

Ion Ratio Lower Upper

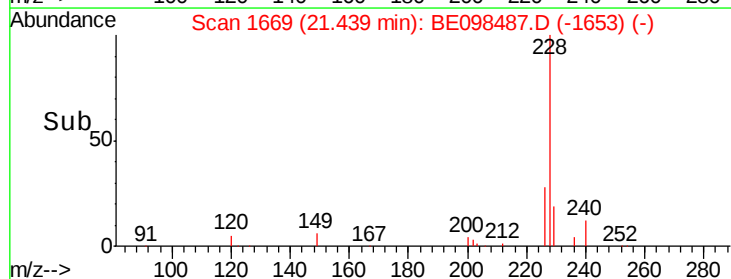
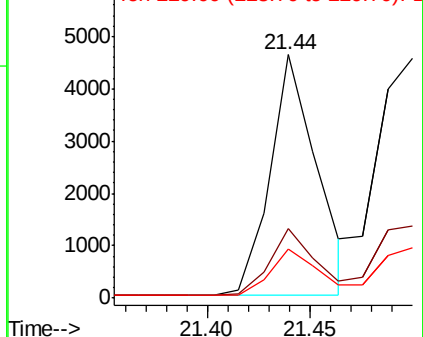
228 100

226 28.6 21.8 32.8

229 20.1 16.3 24.5



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: 0.413 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

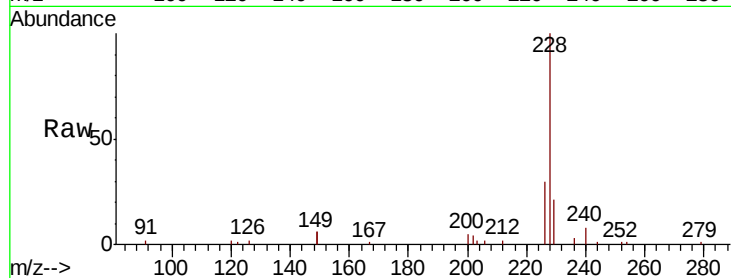
Tgt Ion:228 Resp: 9070

Ion Ratio Lower Upper

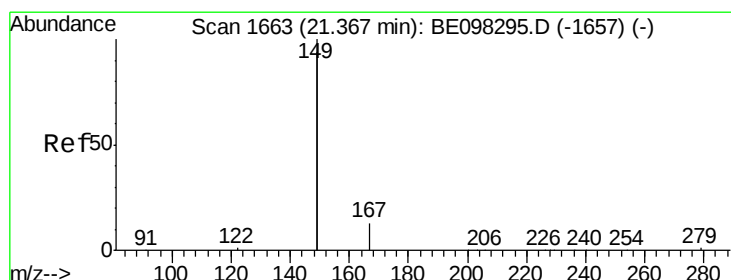
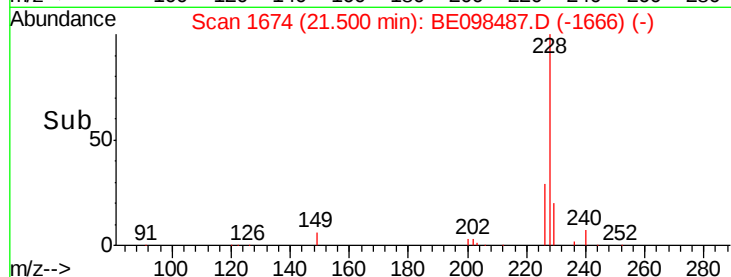
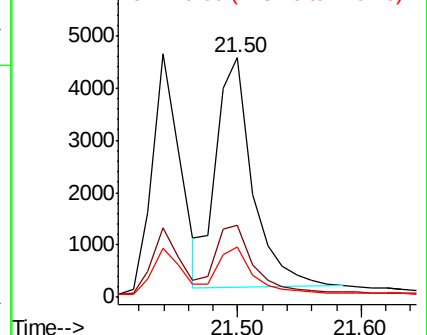
228 100

226 30.1 23.4 35.0

229 21.1 16.2 24.4



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.262 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

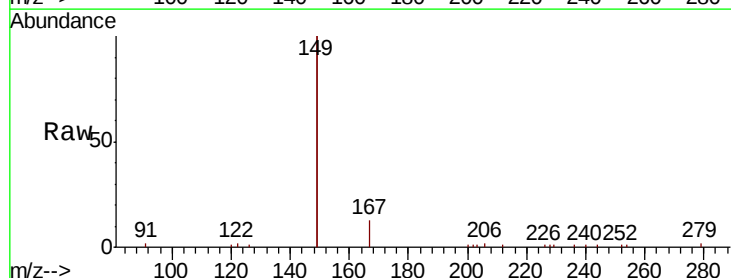
Tgt Ion:149 Resp: 11150

Ion Ratio Lower Upper

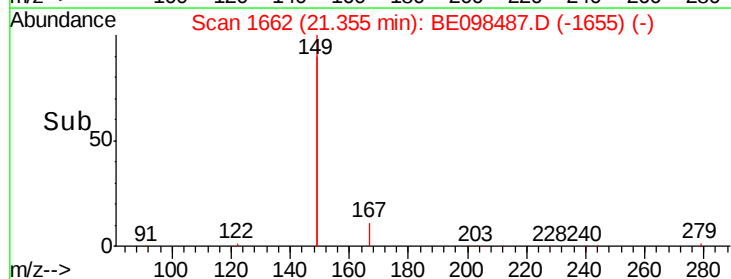
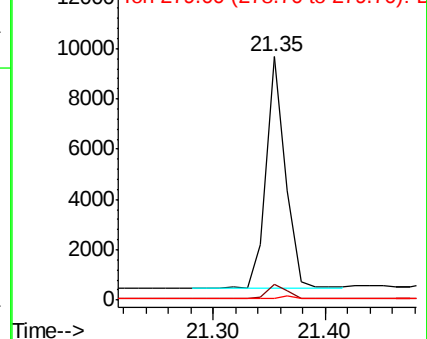
149 100

167 6.3 5.7 8.5

279 1.1 1.0 1.4



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

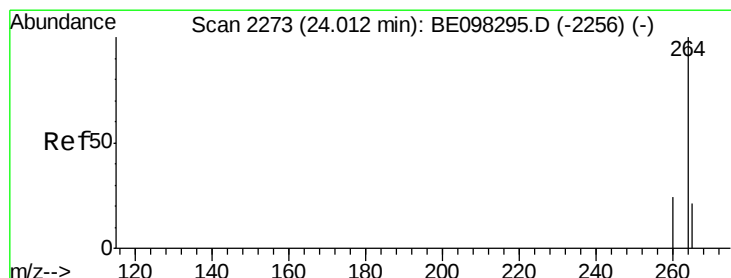
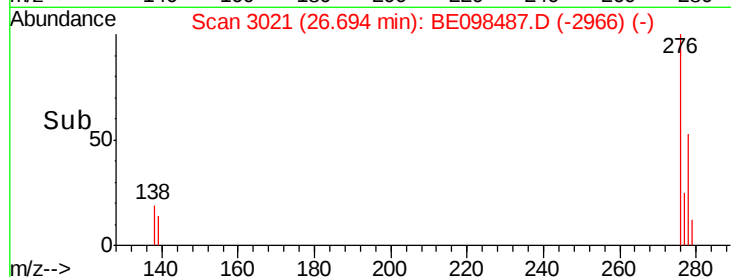
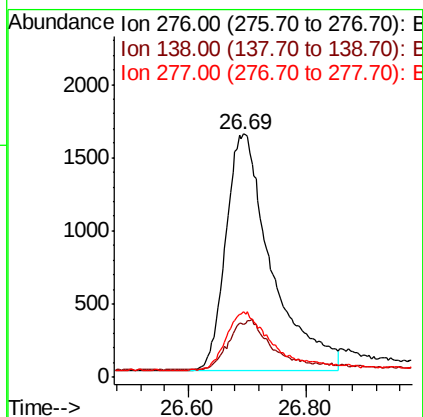
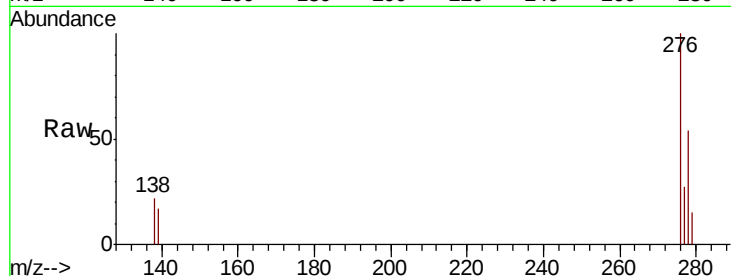




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.399 ng
 RT: 26.69 min Scan# 3021
 Delta R.T. -0.00 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

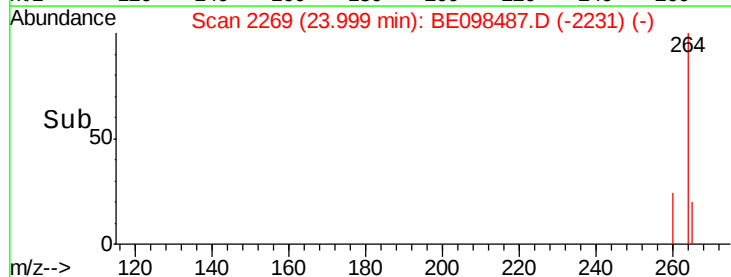
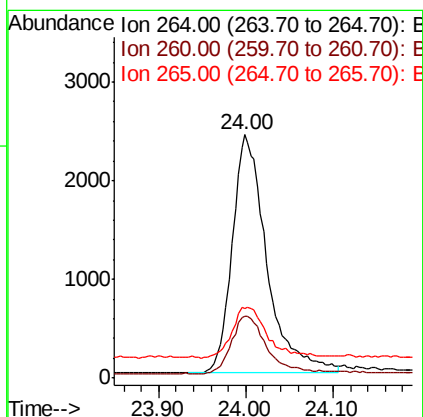
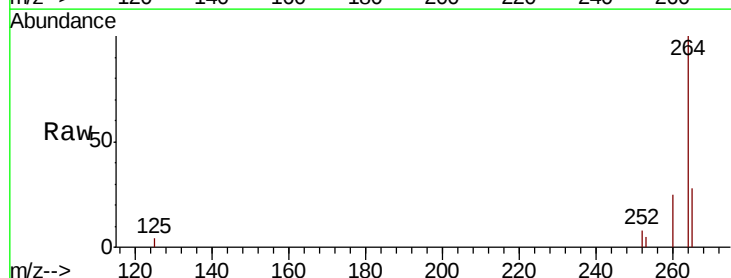
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 276 Resp: 8726
 Ion Ratio Lower Upper
 276 100
 138 7.2 16.3 24.5#
 277 23.5 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.00 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BE098487.D
 Acq: 16 Dec 2018 1:05

Tgt Ion: 264 Resp: 6673
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.2 30.2
 265 28.4 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.513 ng

RT: 23.27 min Scan# 2065

Delta R.T. 0.04 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

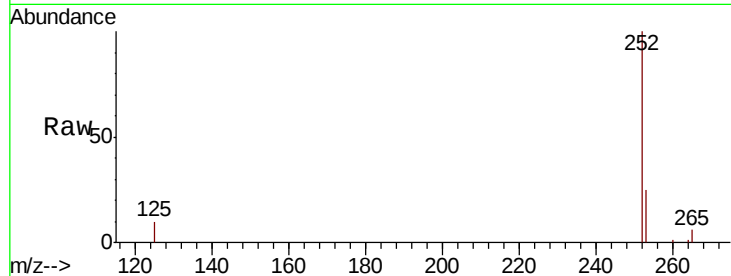
Tgt Ion:252 Resp: 9361

Ion Ratio Lower Upper

252 100

253 24.9 20.0 30.0

125 10.4 9.6 14.4

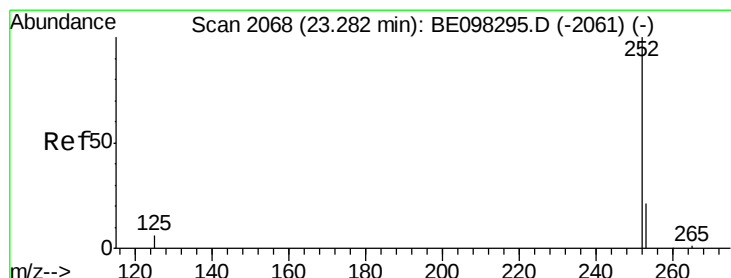
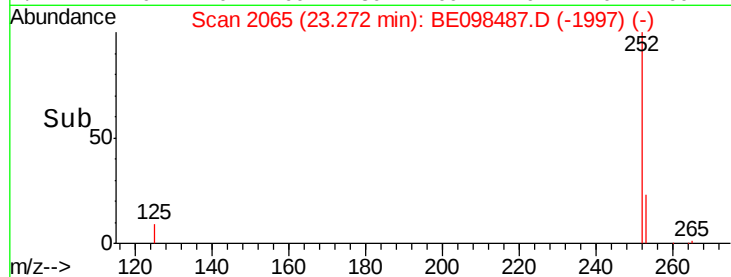
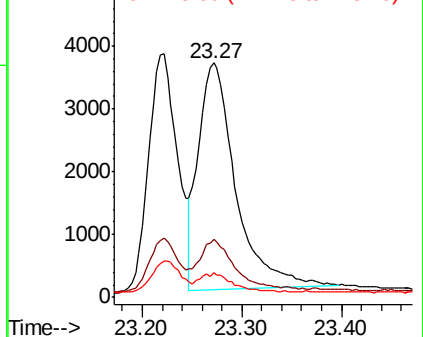


Abundance

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: 0.463 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

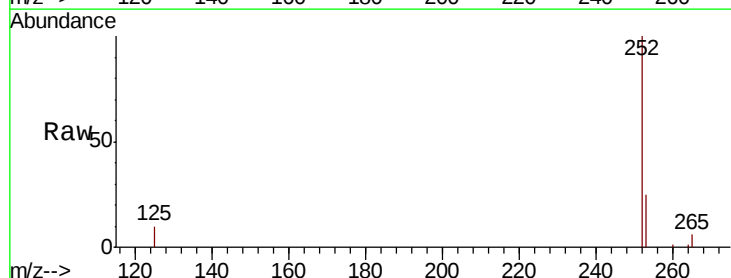
Tgt Ion:252 Resp: 9840

Ion Ratio Lower Upper

252 100

253 24.9 19.0 28.6

125 10.4 9.1 13.7

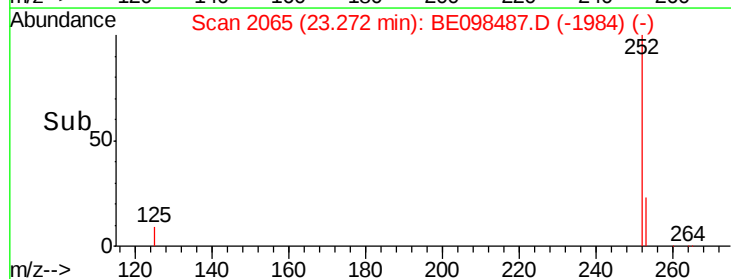
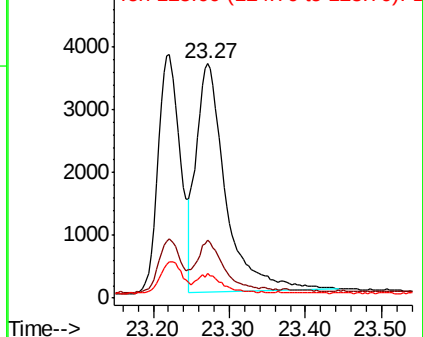


Abundance

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: 0.424 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

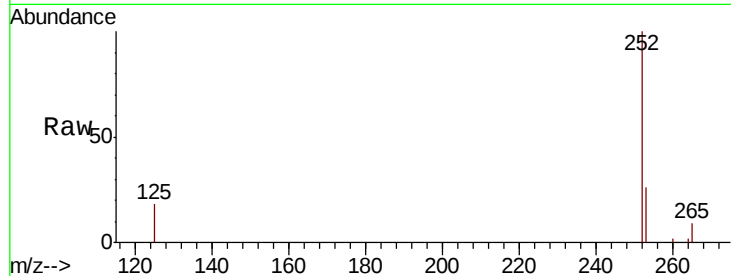
Tgt Ion: 252 Resp: 7992

Ion Ratio Lower Upper

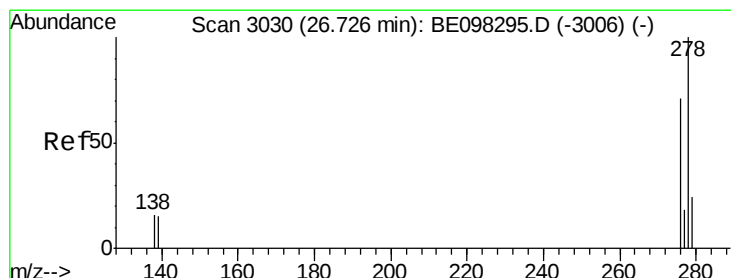
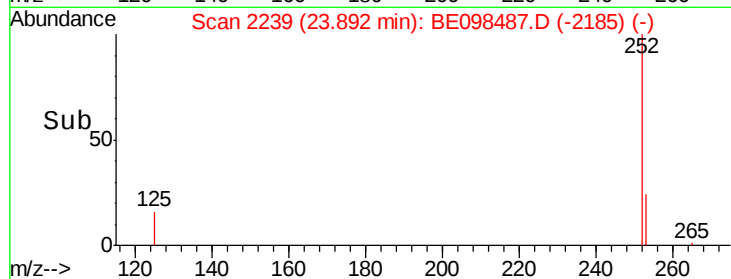
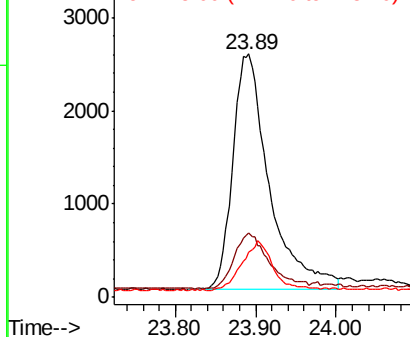
252 100

253 26.5 20.6 30.8

125 18.5 10.5 15.7#



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: 0.370 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

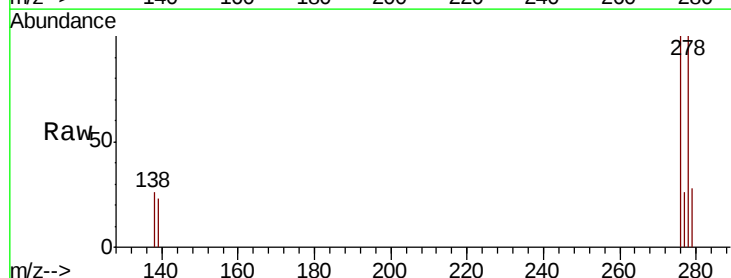
Tgt Ion: 278 Resp: 6570

Ion Ratio Lower Upper

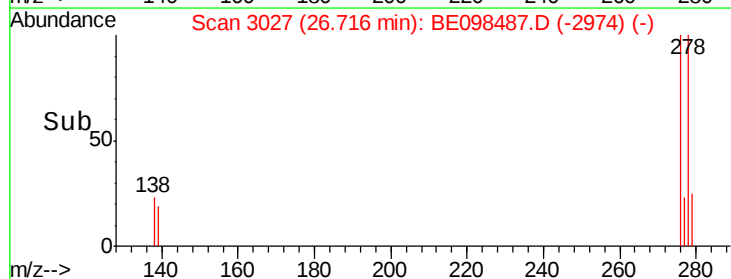
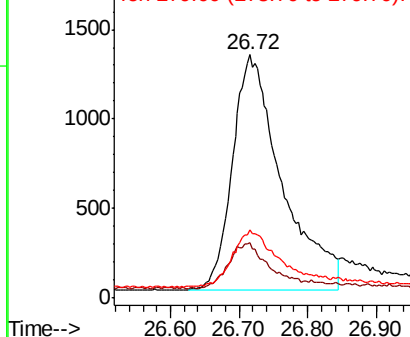
278 100

139 22.8 14.5 21.7#

279 28.1 21.8 32.8



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(g,h,i)perylene

Concen: 0.422 ng

RT: 27.51 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BE098487.D

Acq: 16 Dec 2018 1:05

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

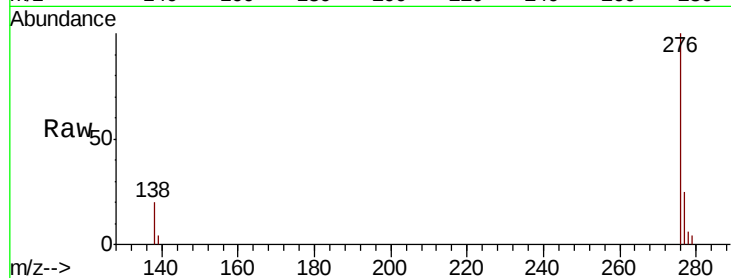
Tgt Ion: 276 Resp: 7550

Ion Ratio Lower Upper

276 100

277 25.2 20.8 31.2

138 20.1 15.8 23.6



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

