

Data File : BE098504.D
Acq On : 16 Dec 2018 13:14
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 17 03:24:59 2018
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	722	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3027	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1934	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	5619	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	7792	0.40	ng	0.00
34) Perylene-d12	24.00	264	7354	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	863	0.51	ng	0.00
5) Phenol-d6	7.04	99	1103	0.46	ng	0.00
8) Nitrobenzene-d5	9.02	82	1035	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2033	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	426	0.60	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	3370	0.41	ng	0.00
25) Fluoranthene-d10	19.30	212	34652	0.48	ng	0.00
29) Terphenyl-d14	19.90	244	6875	0.36	ng	0.00

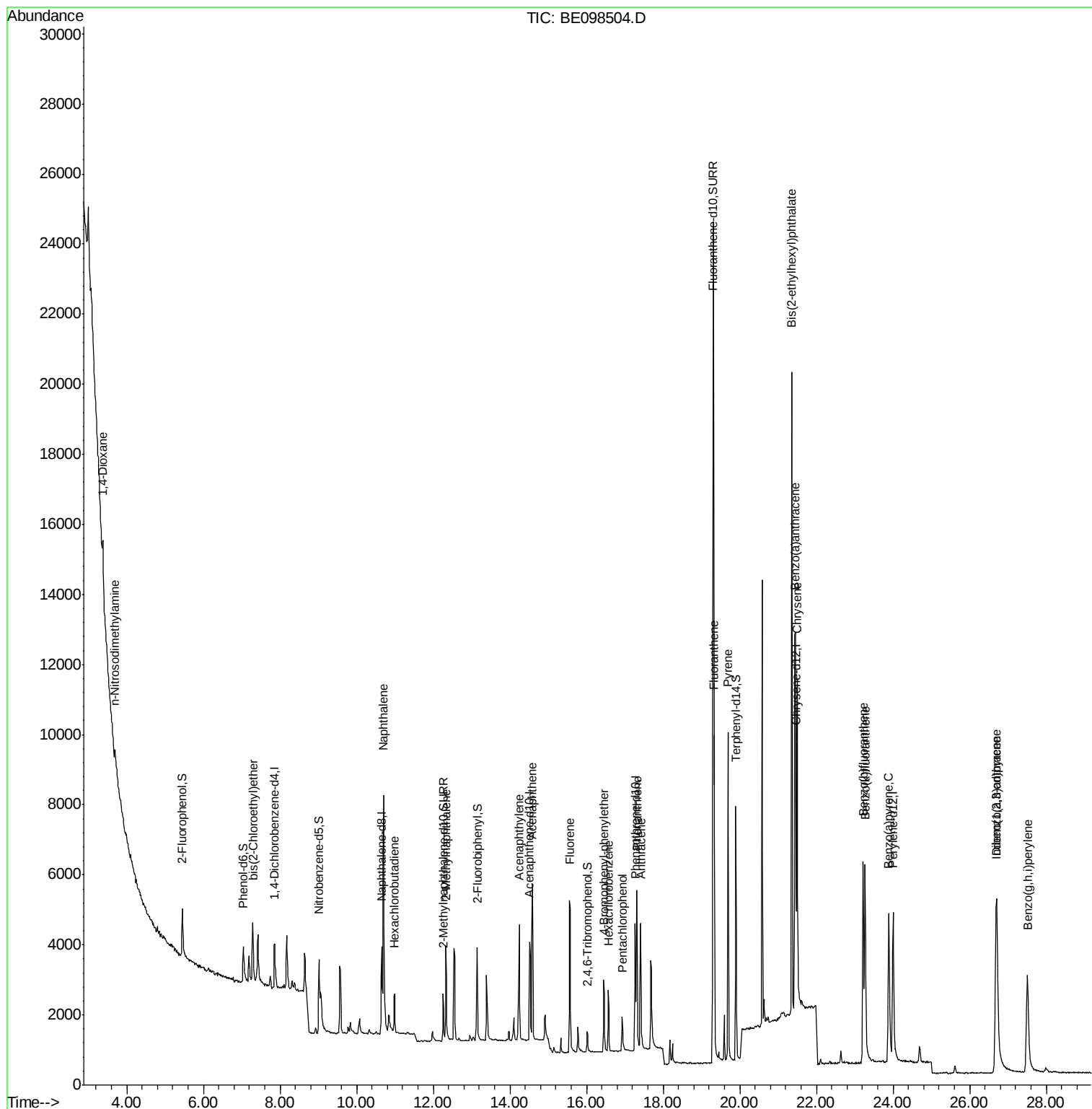
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	565	0.452	ng	# 78
3) n-Nitrosodimethylamine	3.69	42	509	0.453	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	884	0.389	ng	100
9) Naphthalene	10.70	128	12274	0.403	ng	# 98
10) Hexachlorobutadiene	10.99	225	873	0.450	ng	97
12) 2-Methylnaphthalene	12.32	142	2134	0.431	ng	97
16) Acenaphthylene	14.24	152	3824	0.422	ng	100
17) Acenaphthene	14.59	154	2297	0.422	ng	95
18) Fluorene	15.57	166	3164	0.434	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	1252	0.414	ng	93
21) Hexachlorobenzene	16.57	284	1394	0.429	ng	95
22) Pentachlorophenol	16.93	266	641	1.015	ng	94
23) Phenanthrene	17.31	178	5716	0.419	ng	99
24) Anthracene	17.41	178	4976	0.409	ng	98
26) Fluoranthene	19.33	202	8620	0.477	ng	98
28) Pyrene	19.69	202	9473	0.387	ng	99
30) Benzo(a)anthracene	21.44	228	9674	0.436	ng	99
31) Chrysene	21.50	228	9475	0.408	ng	100
32) Bis(2-ethylhexyl)phthalate	21.35	149	25070	0.556	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	9537	0.412	ng	97
35) Benzo(b)fluoranthene	23.22	252	8760	0.436	ng	96
36) Benzo(k)fluoranthene	23.27	252	9513	0.406	ng	98
37) Benzo(a)pyrene	23.88	252	8807	0.424	ng	99
38) Dibenzo(a,h)anthracene	26.71	278	7526	0.385	ng	99
39) Benzo(g,h,i)perylene	27.50	276	8212	0.417	ng	99

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

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Quant Time: Dec 17 03:16:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
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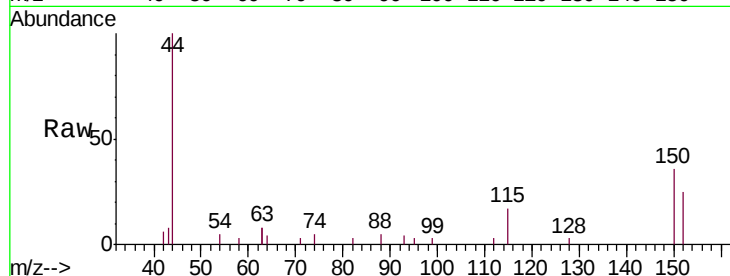


#1

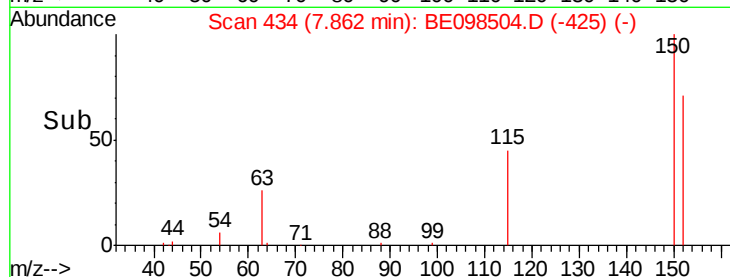
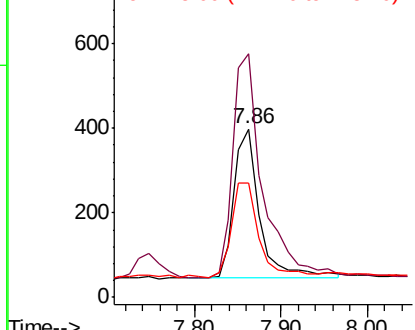
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	144.7	124.2	186.4
115	68.1	53.9	80.9



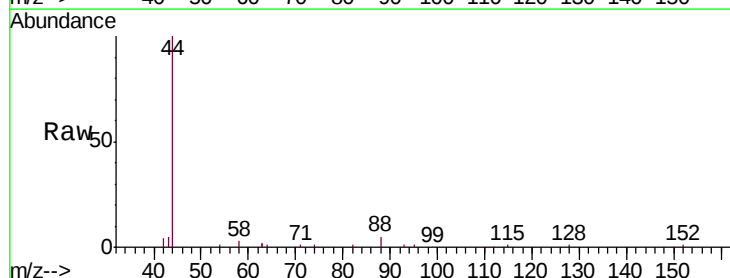
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



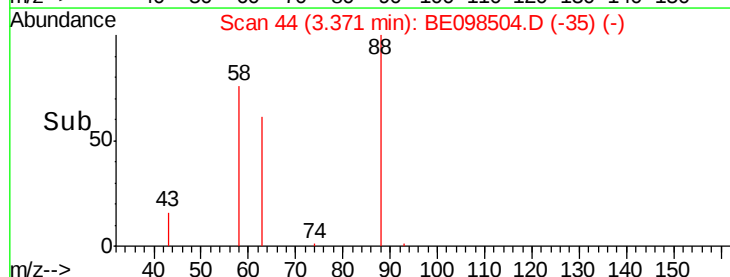
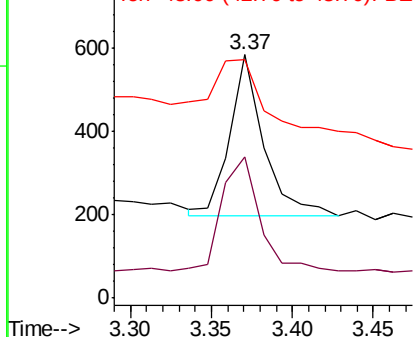
#2

1,4-Dioxane
Concen: 0.452 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.9	75.0	112.6
43	71.2	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: 0.453 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

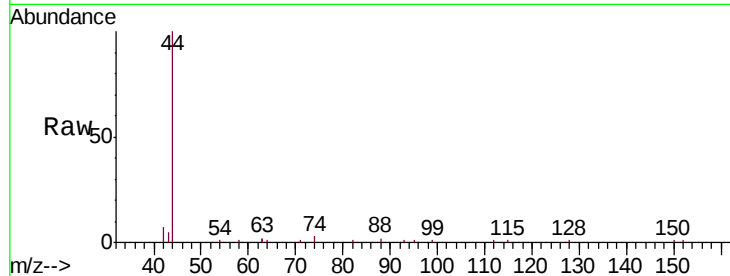
Tgt Ion: 42 Resp: 509

Ion Ratio Lower Upper

42 100

74 78.0 0.0 0.0#

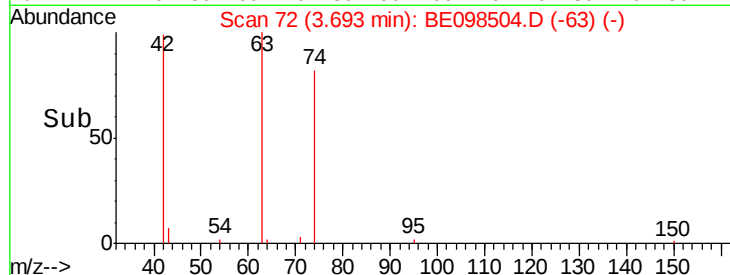
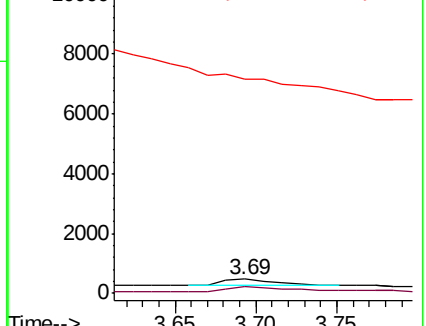
44 0.0 0.0 0.0



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: 0.511 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

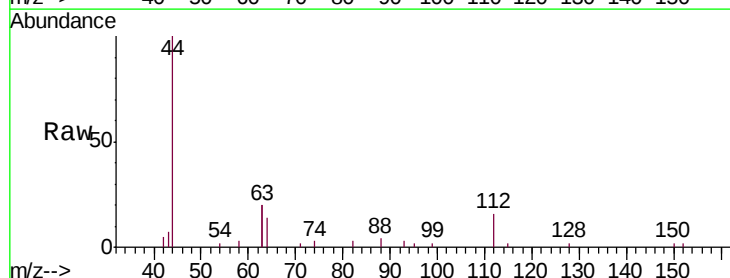
Tgt Ion: 112 Resp: 863

Ion Ratio Lower Upper

112 100

64 70.3 59.8 89.8

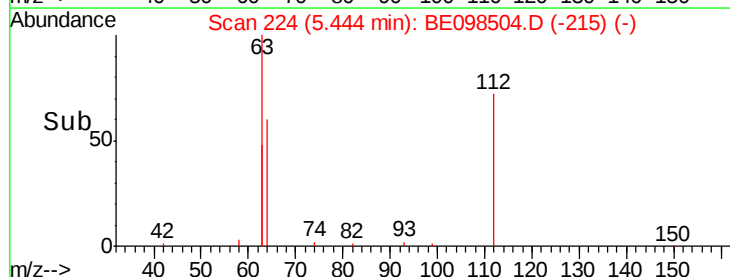
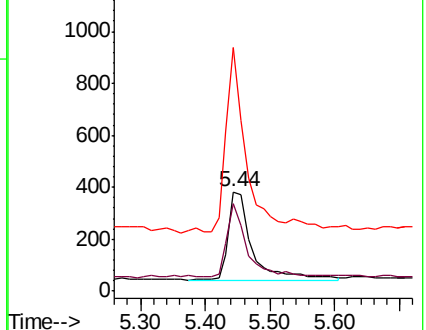
63 173.5 133.7 200.5



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: 0.461 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

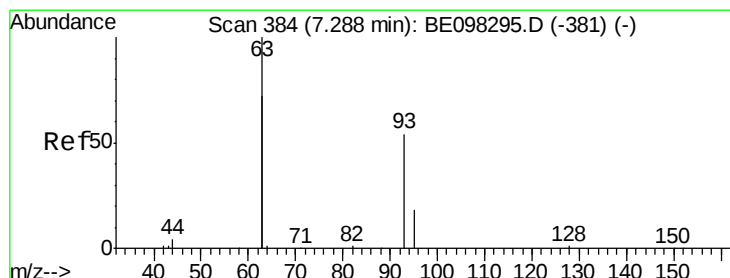
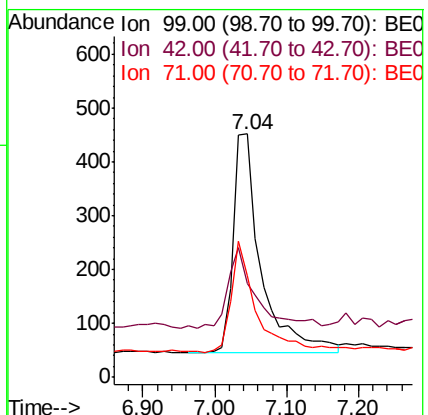
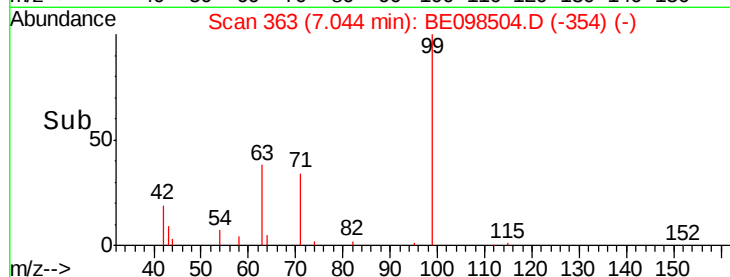
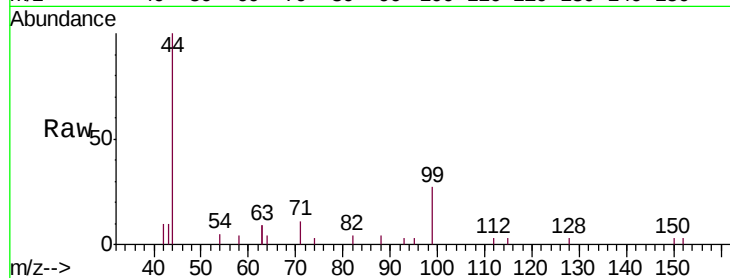
Tgt Ion: 99 Resp: 1103

Ion Ratio Lower Upper

99 100

42 37.2 26.3 39.5

71 45.9 33.6 50.4



#6

bis(2-Chloroethyl)ether

Concen: 0.389 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

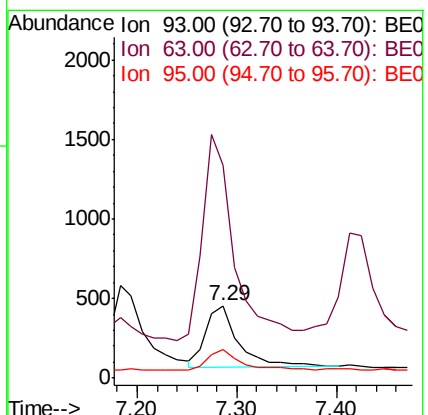
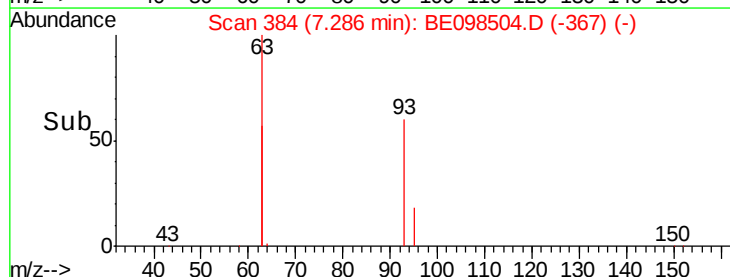
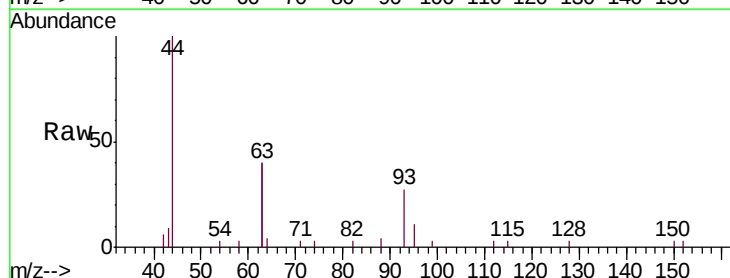
Tgt Ion: 93 Resp: 884

Ion Ratio Lower Upper

93 100

63 329.9 264.4 396.6

95 33.4 26.6 40.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 3027

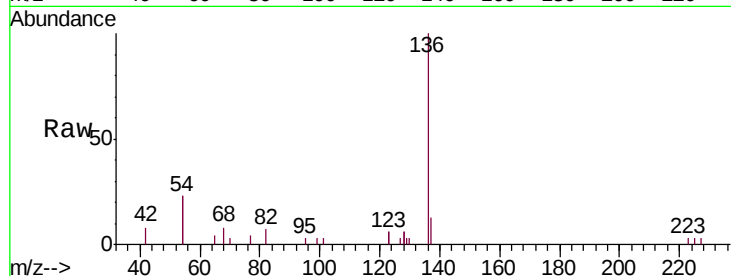
Ion Ratio Lower Upper

136 100

137 13.4 9.2 13.8

54 46.8 28.4 42.6

68 7.7 5.4 8.0

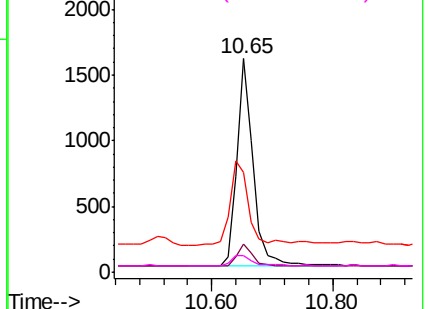
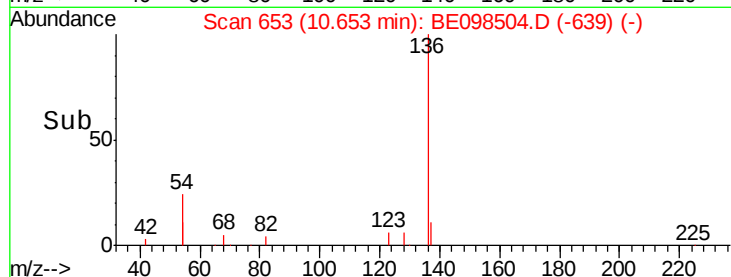


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.376 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

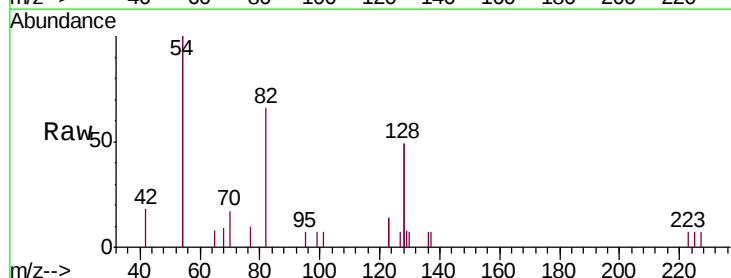
Tgt Ion: 82 Resp: 1035

Ion Ratio Lower Upper

82 100

128 148.8 102.4 153.6

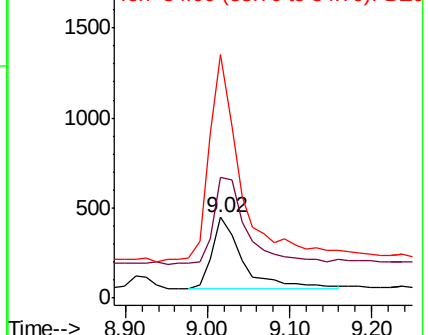
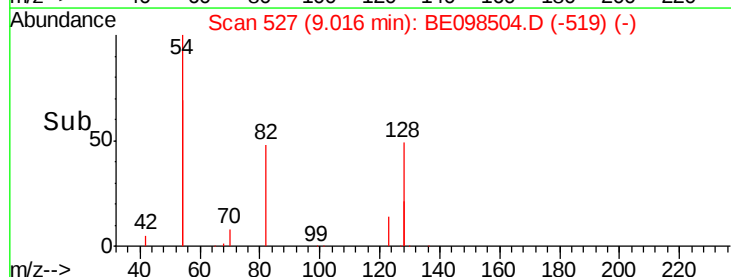
54 301.1 221.8 332.8

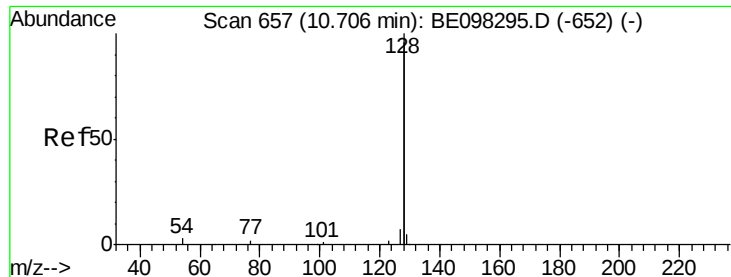


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

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ClientSampleId :

SSTDCCC0.4

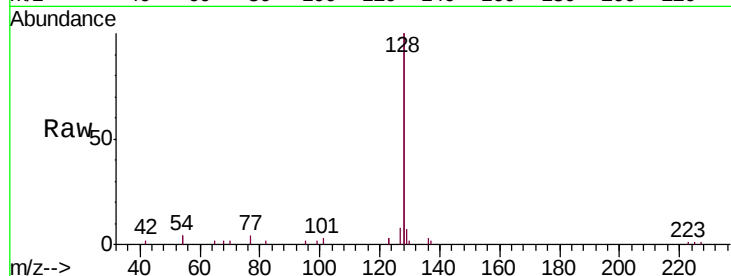
Tgt Ion:128 Resp: 12274

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

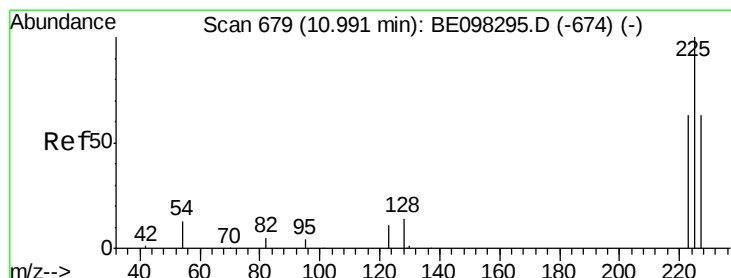
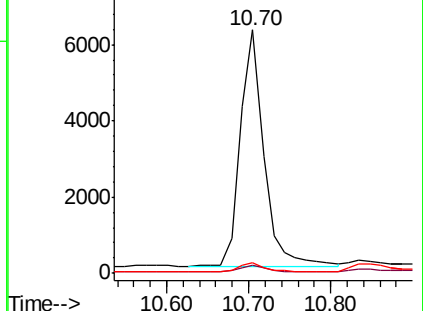
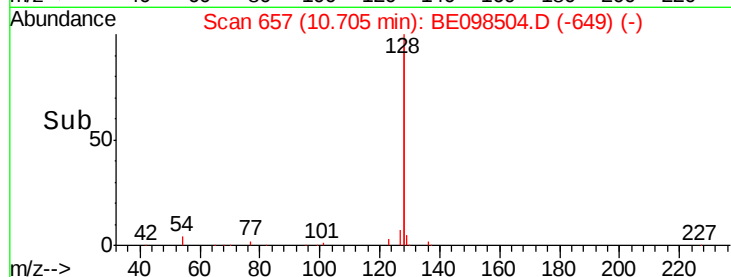
127 4.1 2.7 4.1#



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: 0.450 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

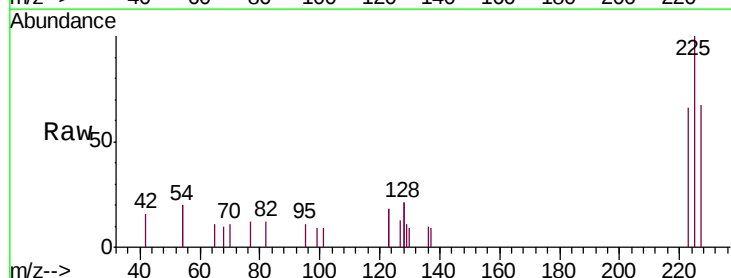
Tgt Ion:225 Resp: 873

Ion Ratio Lower Upper

225 100

223 64.5 49.4 74.0

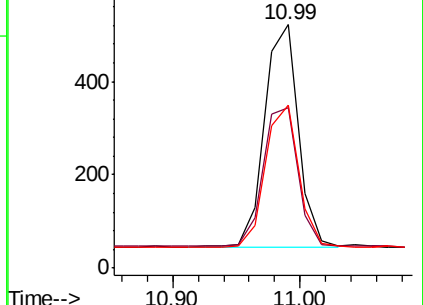
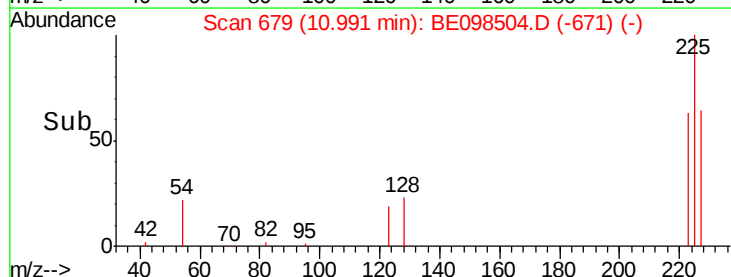
227 63.2 52.0 78.0



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: 0.413 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

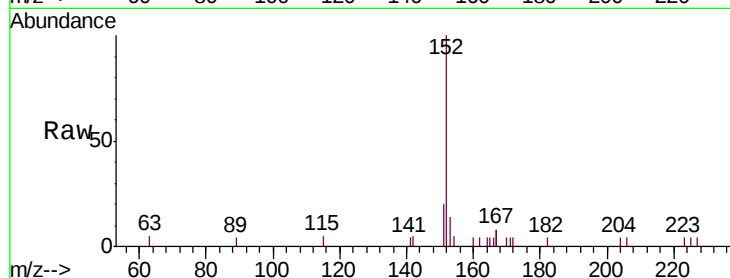
SSTDCCC0.4

Tgt Ion:152 Resp: 2033

Ion Ratio Lower Upper

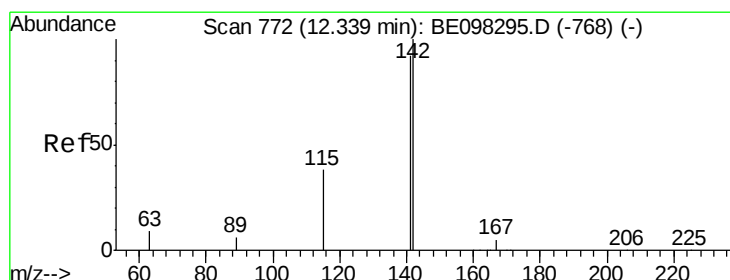
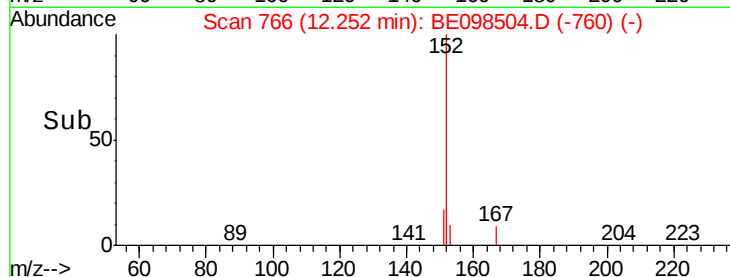
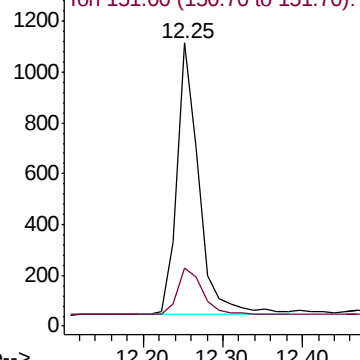
152 100

151 20.0 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.431 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

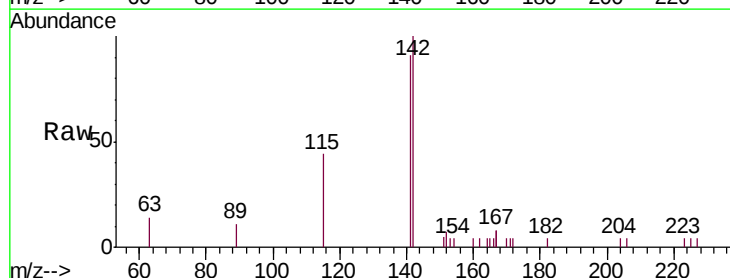
Tgt Ion:142 Resp: 2134

Ion Ratio Lower Upper

142 100

141 90.8 71.0 106.6

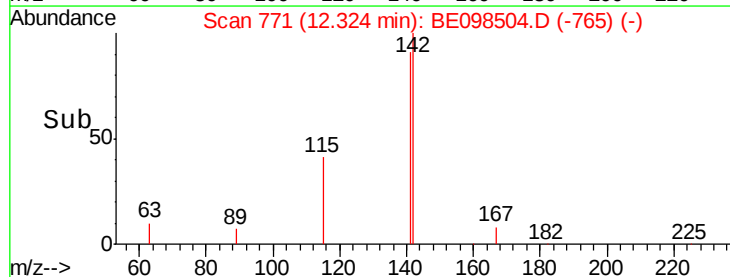
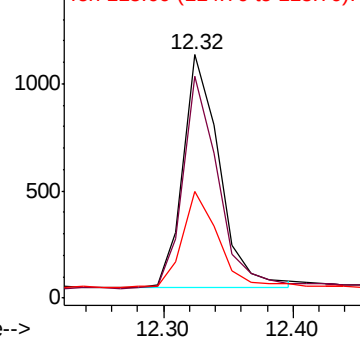
115 44.0 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

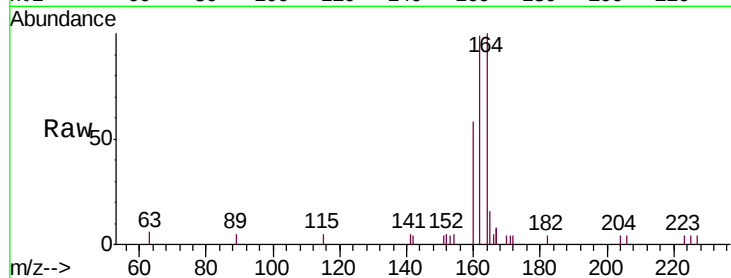




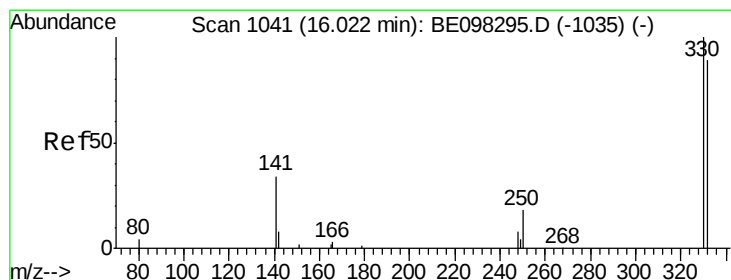
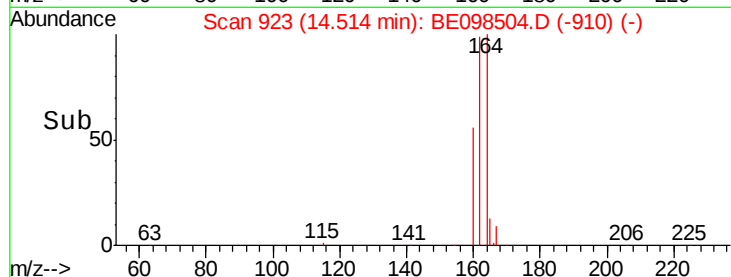
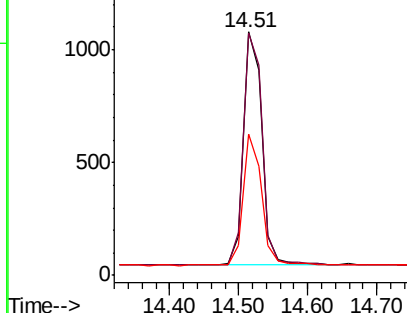
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BE098504.D
 Acq: 16 Dec 2018 13:14

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion:164 Resp: 1934
 Ion Ratio Lower Upper
 164 100
 162 99.4 77.6 116.4
 160 58.1 36.0 54.0#

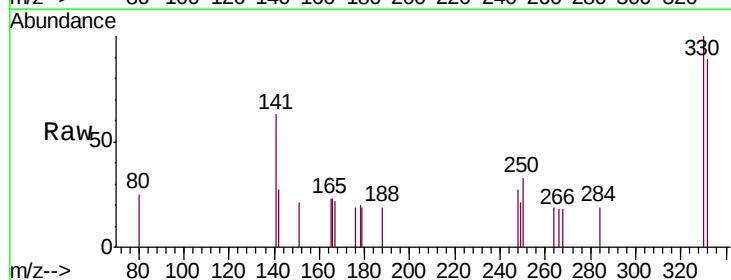


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

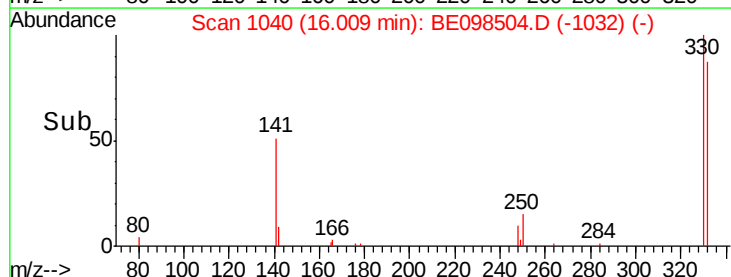
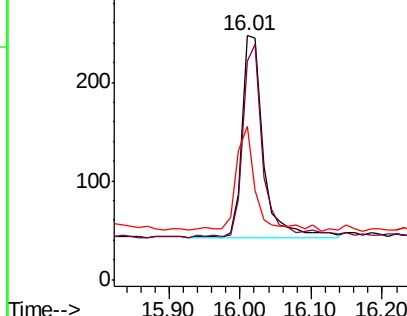


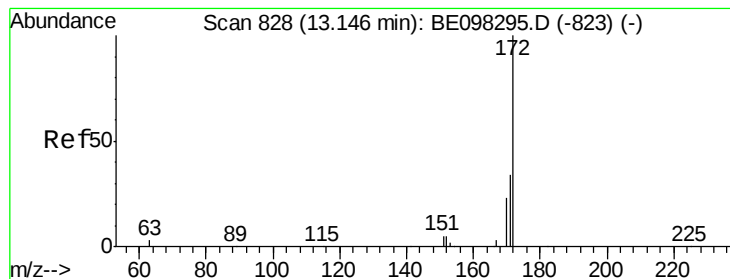
#14
 2,4,6-Tribromophenol
 Concen: 0.600 ng
 RT: 16.01 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BE098504.D
 Acq: 16 Dec 2018 13:14

Tgt Ion:330 Resp: 426
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.2 114.4
 141 46.0 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

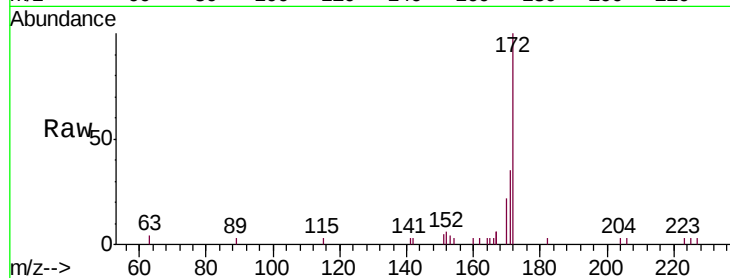




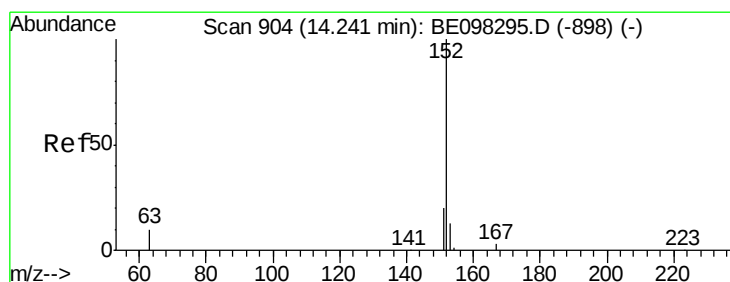
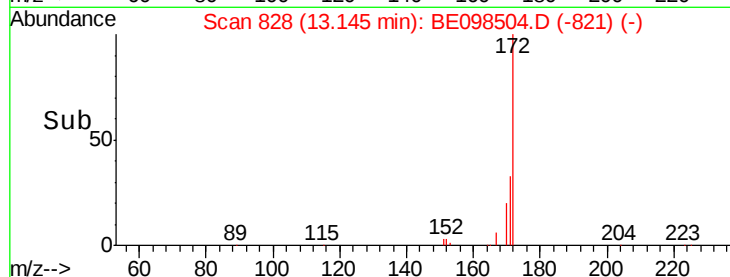
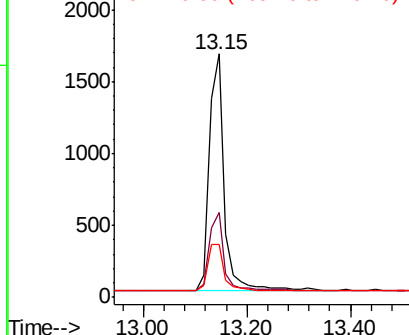
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 3370
Ion Ratio Lower Upper
172 100
171 34.7 27.5 41.3
170 21.8 19.6 29.4

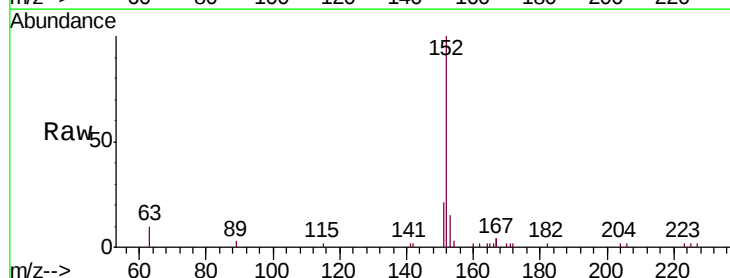


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

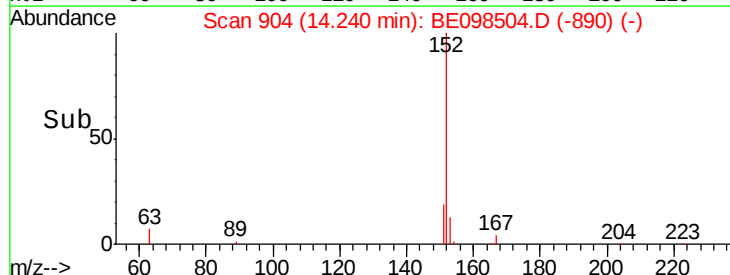
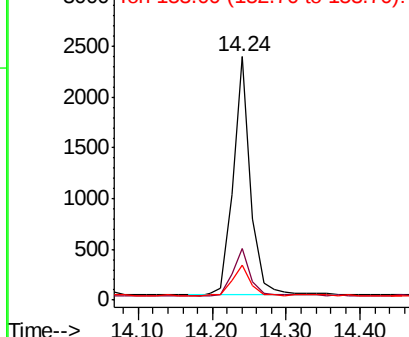


#16
Acenaphthylene
Concen: 0.422 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

Tgt Ion:152 Resp: 3824
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.2 10.6 16.0



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

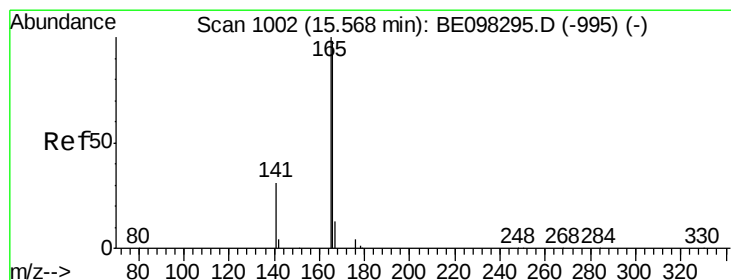
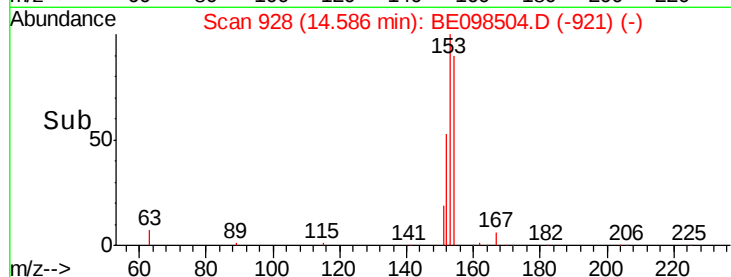
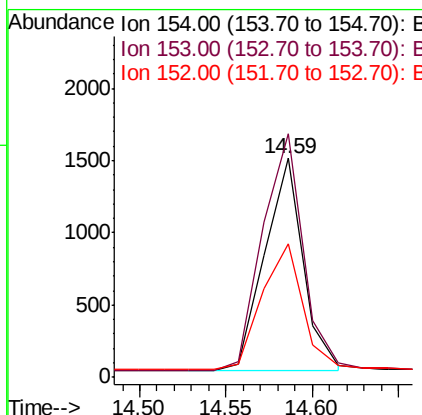
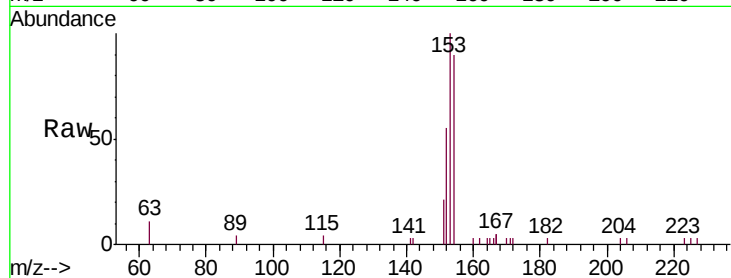




#17
Acenaphthene
Concen: 0.422 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

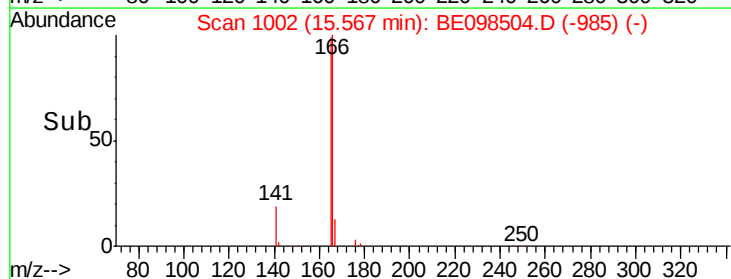
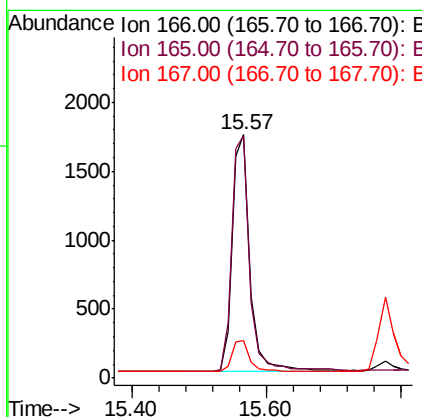
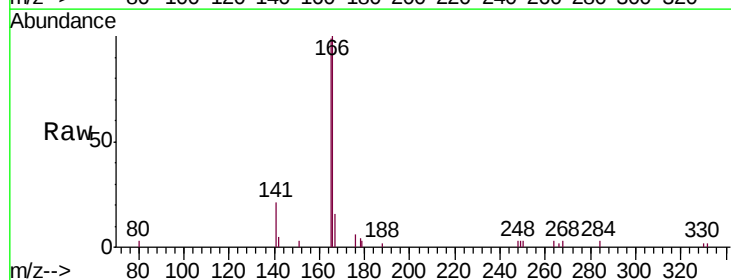
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2297
Ion Ratio Lower Upper
154 100
153 117.7 91.8 137.6
152 63.1 45.5 68.3



#18
Fluorene
Concen: 0.434 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

Tgt Ion:166 Resp: 3164
Ion Ratio Lower Upper
166 100
165 100.8 79.3 118.9
167 14.1 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

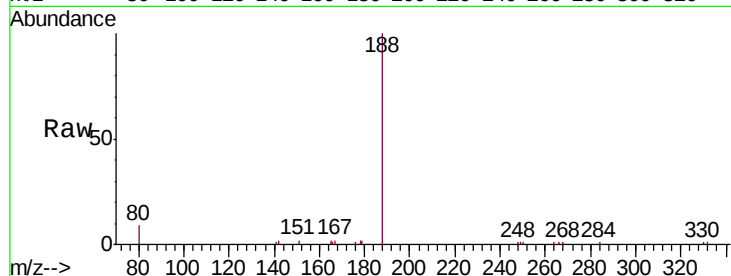
Tgt Ion:188 Resp: 5619

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

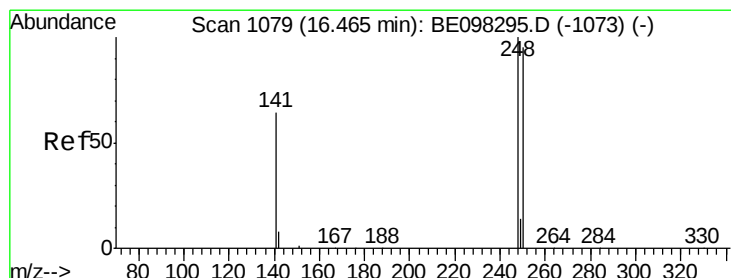
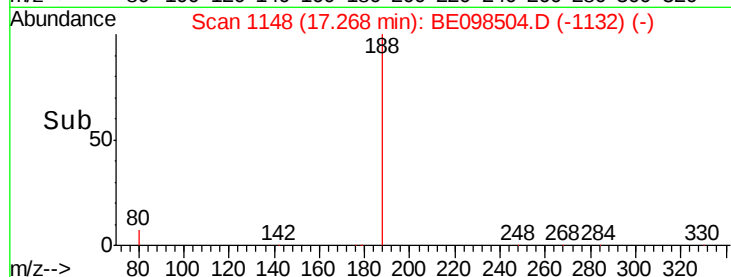
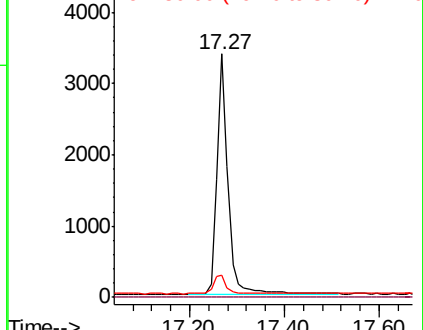
80 8.9 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.414 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

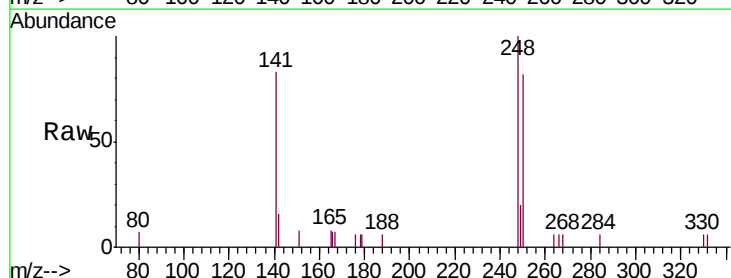
Tgt Ion:248 Resp: 1252

Ion Ratio Lower Upper

248 100

250 82.0 71.0 106.6

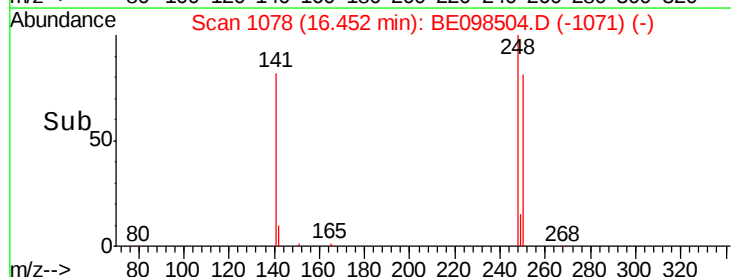
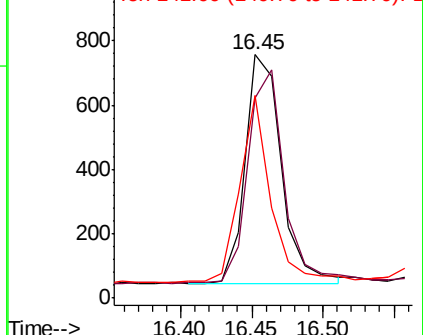
141 83.2 62.1 93.1



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: 0.429 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

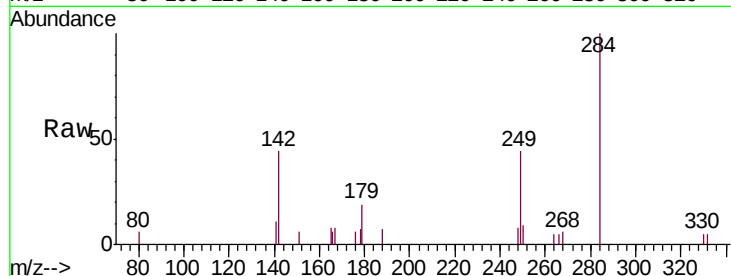
Tgt Ion:284 Resp: 1394

Ion Ratio Lower Upper

284 100

142 36.6 26.3 39.5

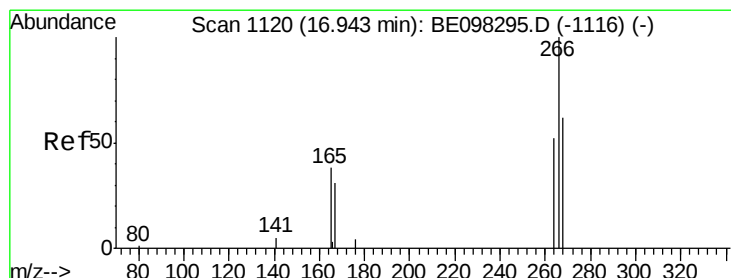
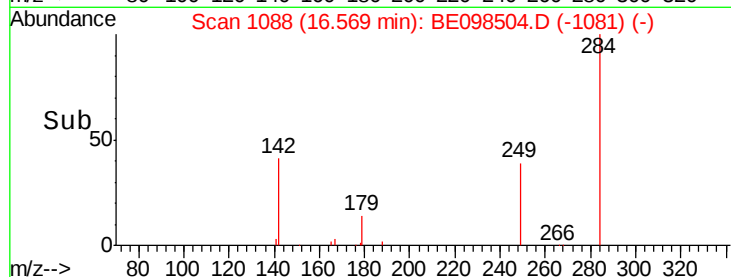
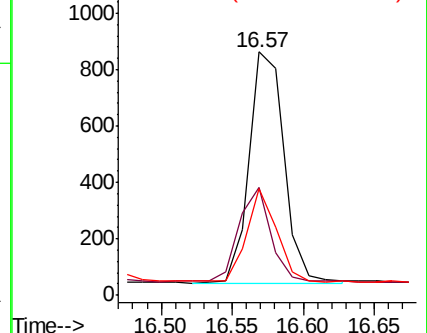
249 34.7 26.0 39.0



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: 1.015 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

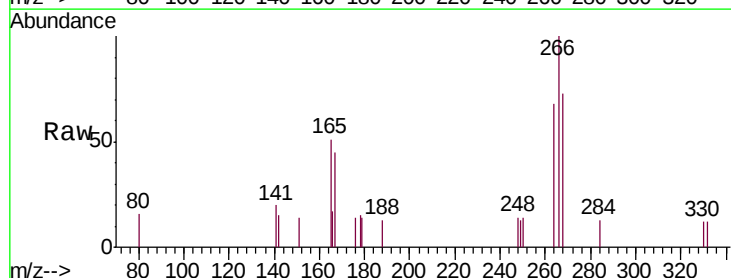
Tgt Ion:266 Resp: 641

Ion Ratio Lower Upper

266 100

264 67.8 59.0 88.4

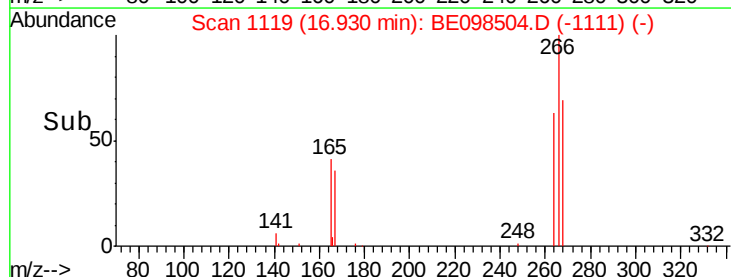
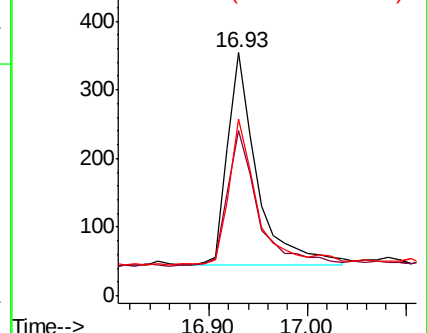
268 72.6 55.1 82.7



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: 0.419 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

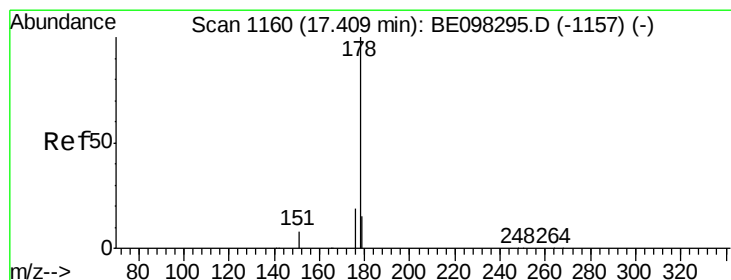
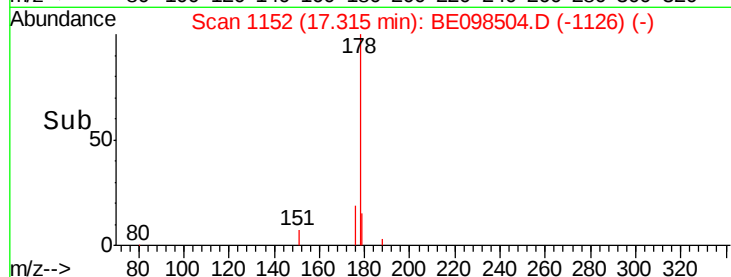
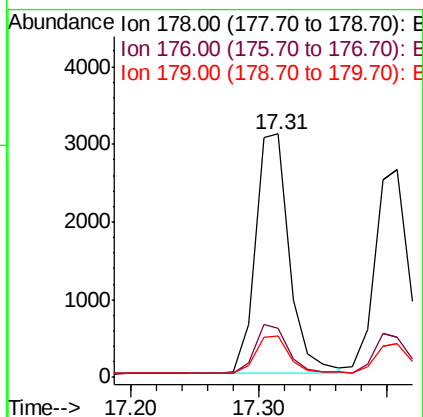
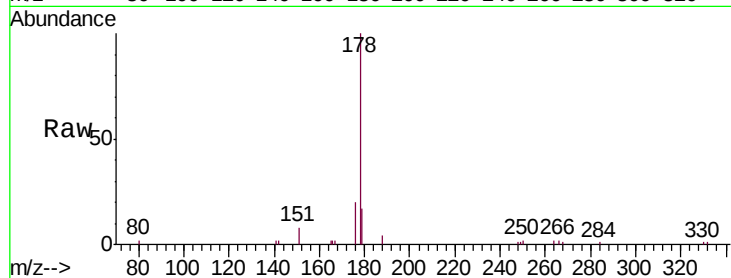
Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:	178	Resp:	5716
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.9	23.9
179	15.9	12.3	18.5



#24

Anthracene

Concen: 0.409 ng

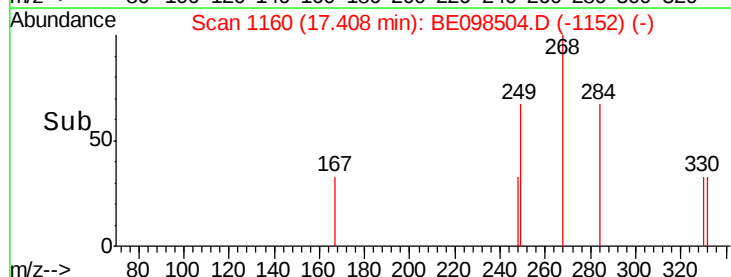
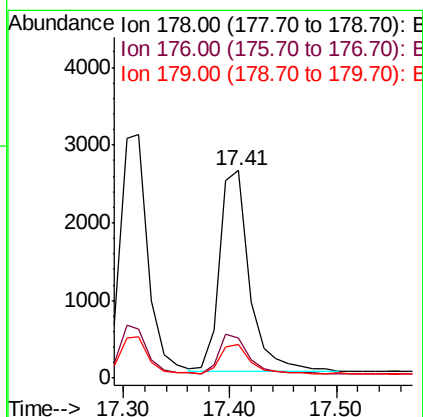
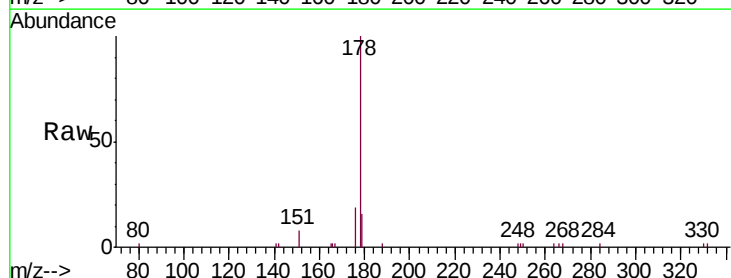
RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Tgt Ion:	178	Resp:	4976
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	14.2	12.3	18.5

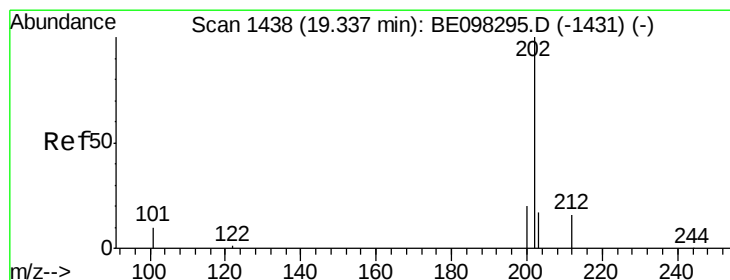
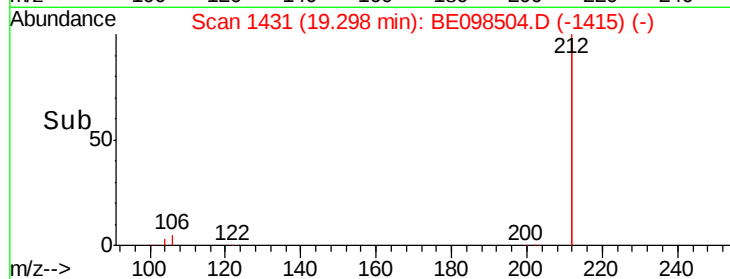
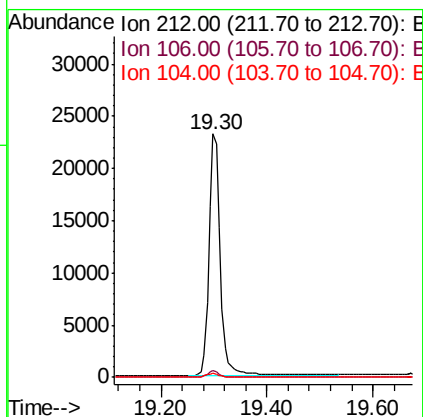
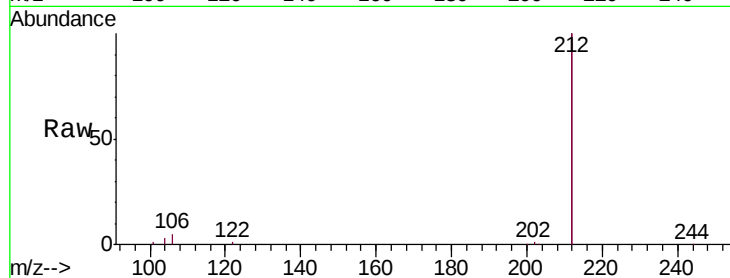




#25
Fluoranthene-d10
Concen: 0.481 ng
RT: 19.30 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

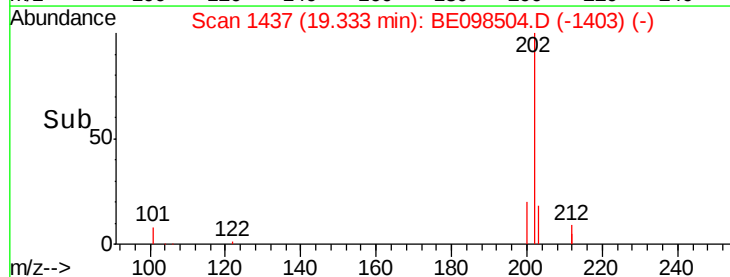
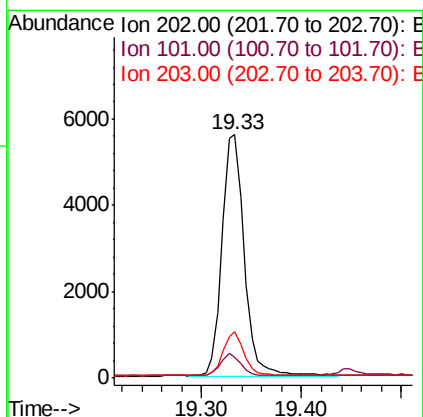
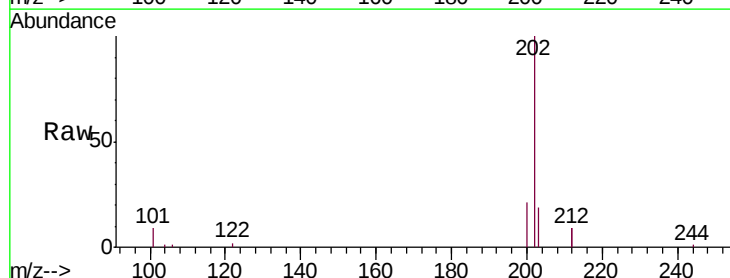
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 212 Resp: 34652
Ion Ratio Lower Upper
212 100
106 2.3 2.2 3.2
104 1.3 1.3 1.9



#26
Fluoranthene
Concen: 0.477 ng
RT: 19.33 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BE098504.D
Acq: 16 Dec 2018 13:14

Tgt Ion: 202 Resp: 8620
Ion Ratio Lower Upper
202 100
101 8.6 8.0 12.0
203 16.8 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

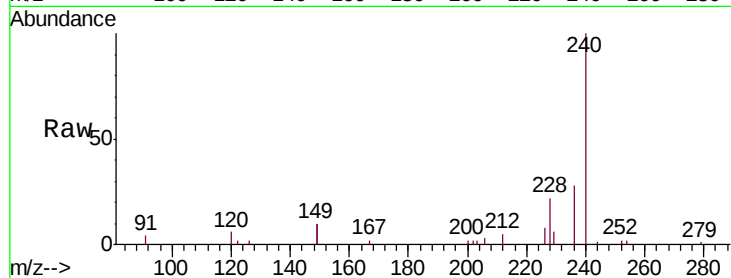
Tgt Ion:240 Resp: 7792

Ion Ratio Lower Upper

240 100

120 5.9 9.5 14.3#

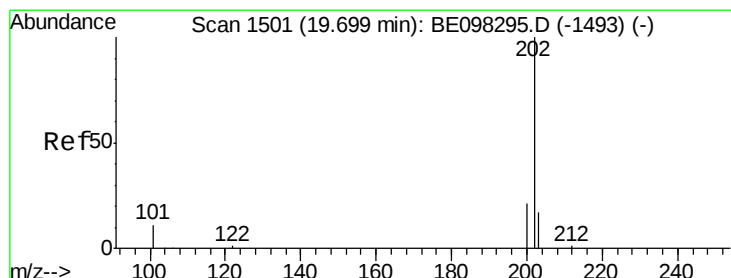
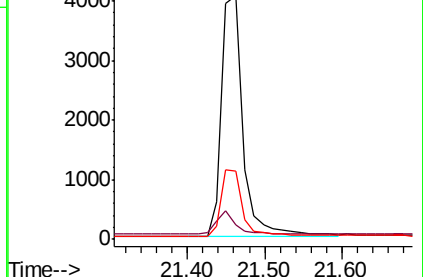
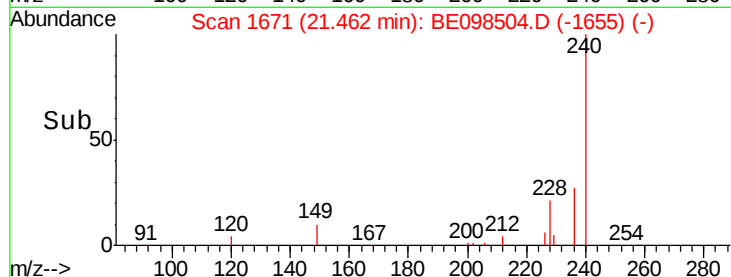
236 28.2 22.7 34.1



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. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

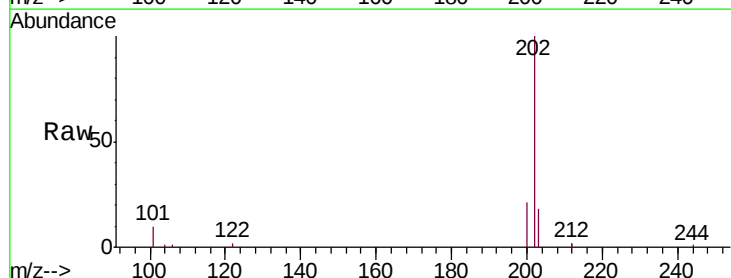
Tgt Ion:202 Resp: 9473

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

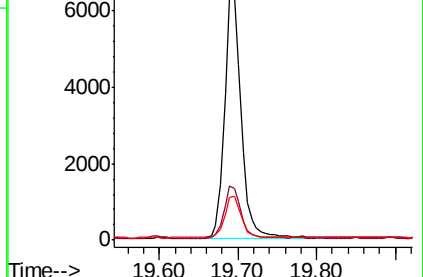
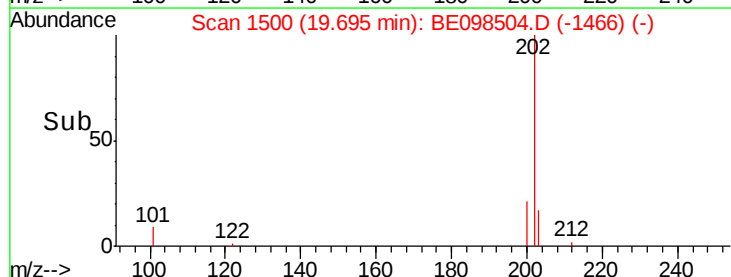
203 17.2 14.1 21.1



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: 0.363 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

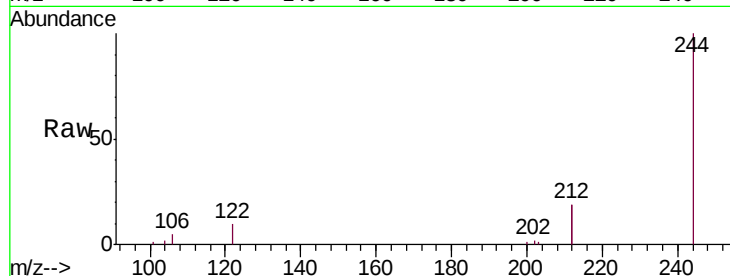
Tgt Ion:244 Resp: 6875

Ion Ratio Lower Upper

244 100

212 38.2 27.4 41.0

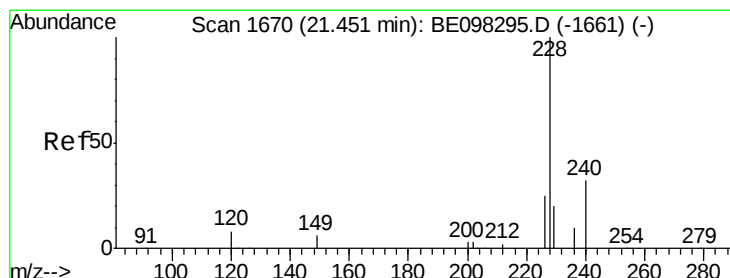
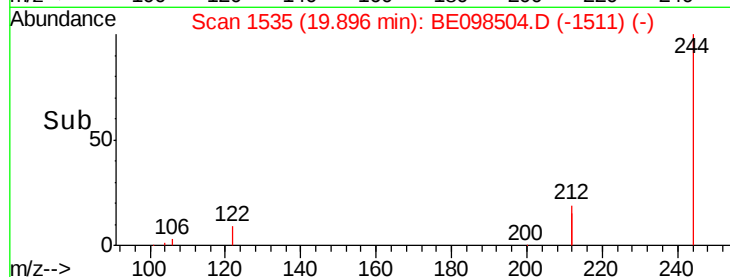
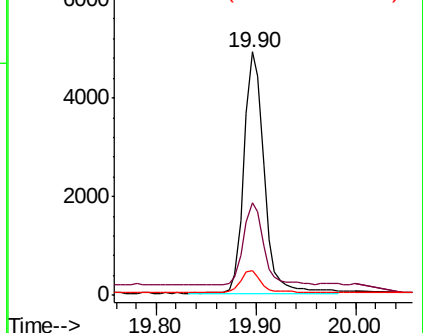
122 10.4 8.3 12.5



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: 0.436 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

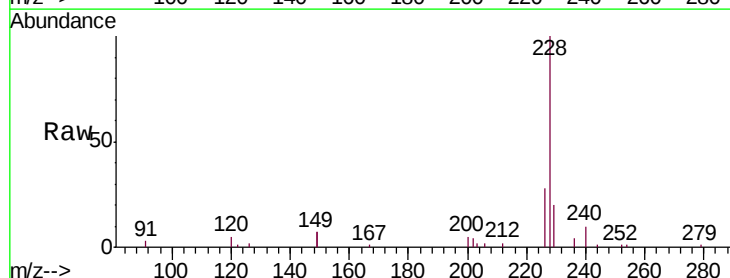
Tgt Ion:228 Resp: 9674

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

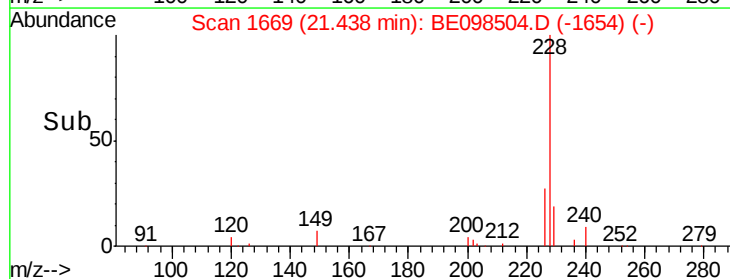
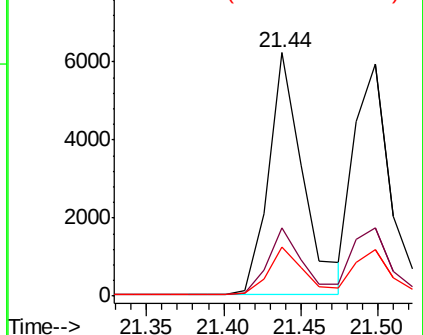
229 20.2 16.3 24.5



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: 0.408 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

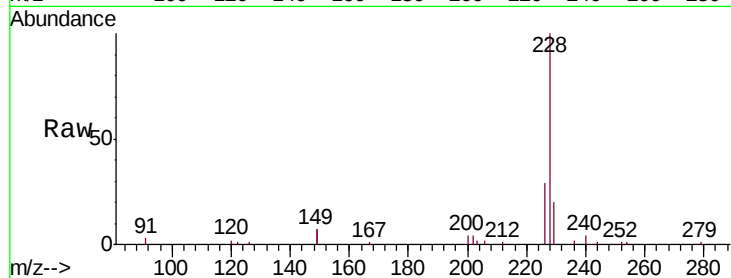
Tgt Ion:228 Resp: 9475

Ion Ratio Lower Upper

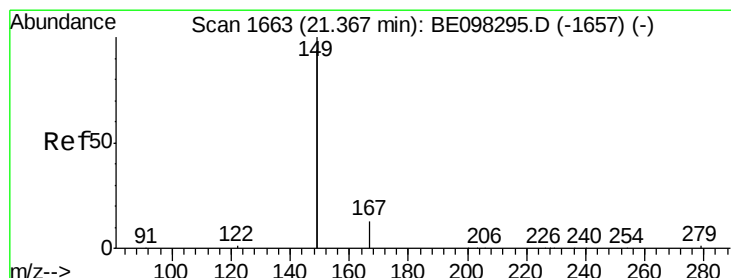
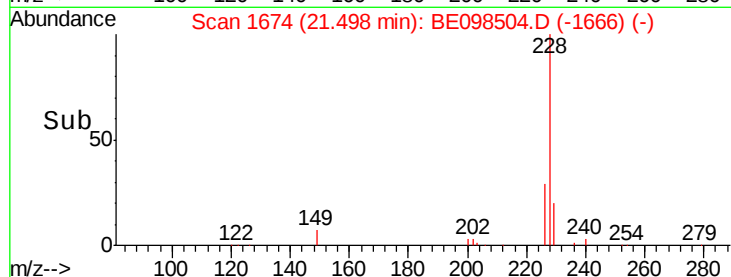
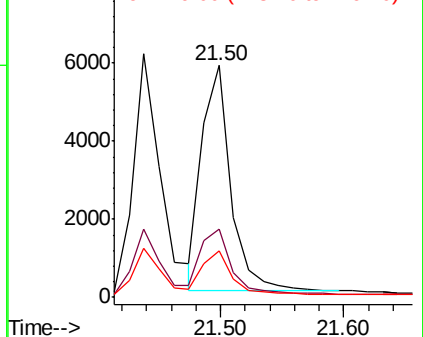
228 100

226 29.3 23.4 35.0

229 20.3 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: 0.556 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

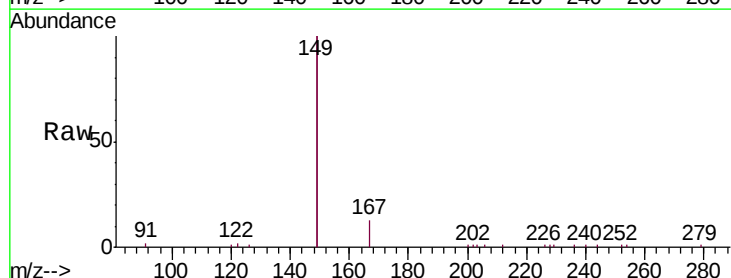
Tgt Ion:149 Resp: 25070

Ion Ratio Lower Upper

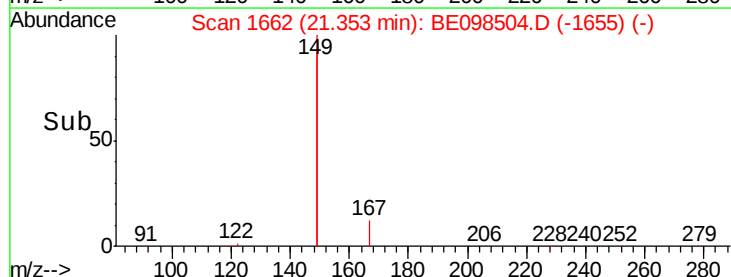
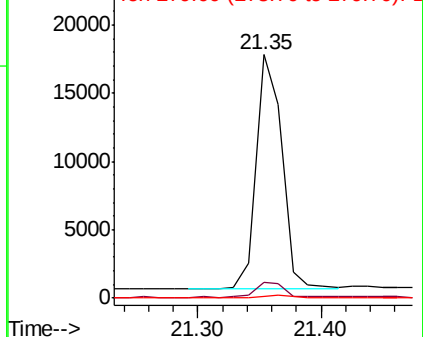
149 100

167 6.6 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: 0.412 ng

RT: 26.69 min Scan# 3019

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

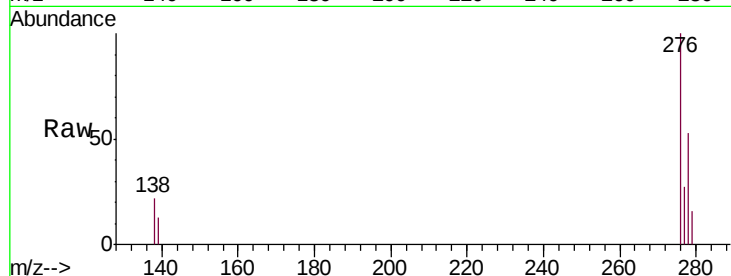
Tgt Ion:276 Resp: 9537

Ion Ratio Lower Upper

276 100

138 19.1 16.3 24.5

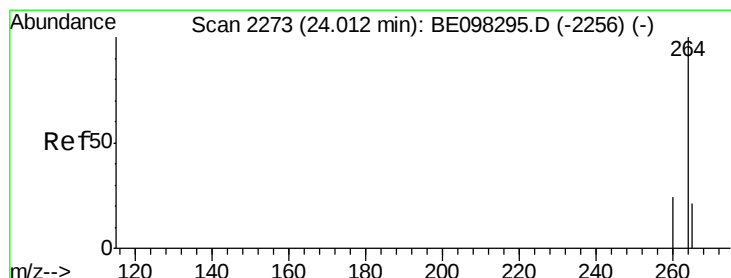
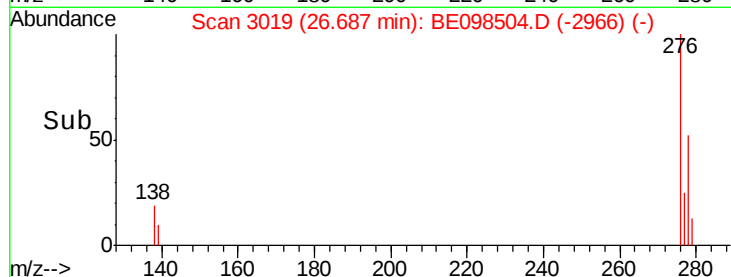
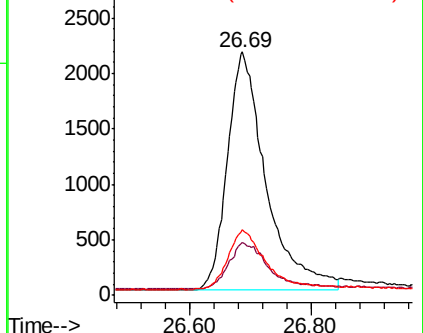
277 24.2 20.2 30.4



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: 24.00 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

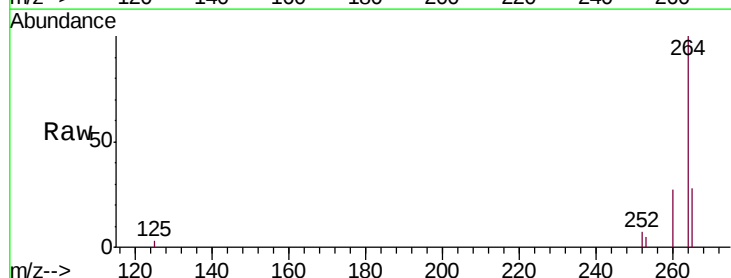
Tgt Ion:264 Resp: 7354

Ion Ratio Lower Upper

264 100

260 26.8 20.2 30.2

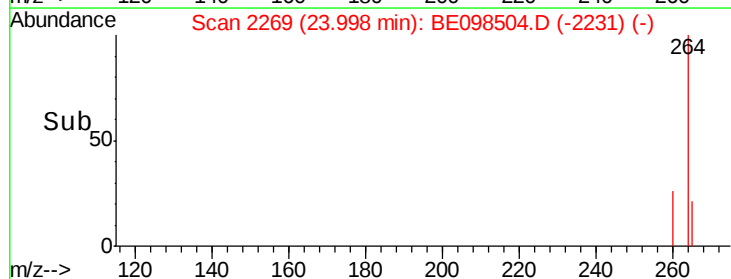
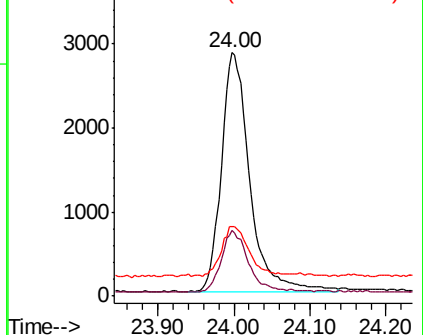
265 28.5 25.2 37.8



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: 0.436 ng

RT: 23.22 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

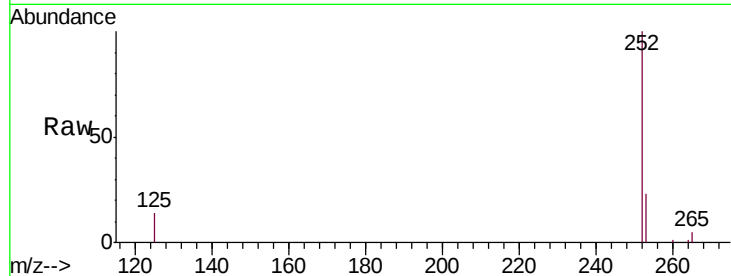
Tgt Ion:252 Resp: 8760

Ion Ratio Lower Upper

252 100

253 23.5 20.0 30.0

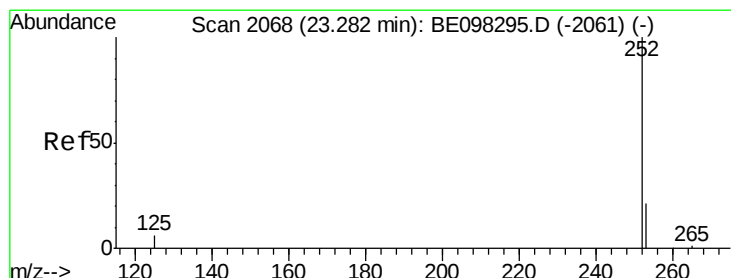
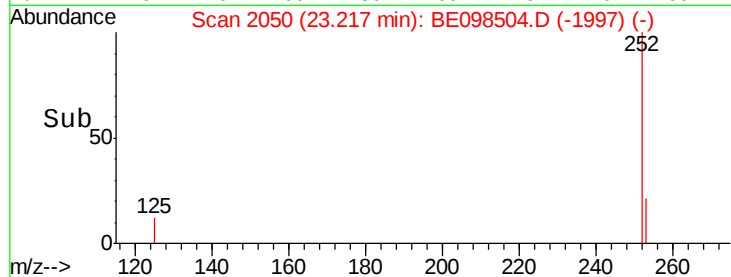
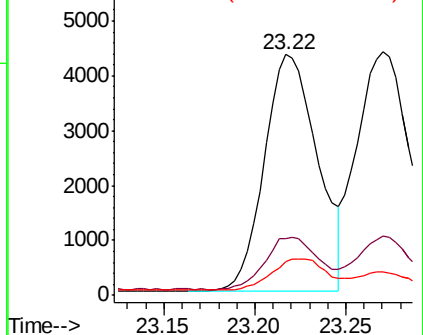
125 13.8 9.6 14.4



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: 0.406 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

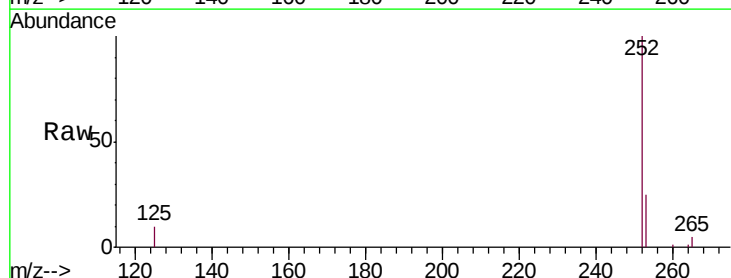
Tgt Ion:252 Resp: 9513

Ion Ratio Lower Upper

252 100

253 24.6 19.0 28.6

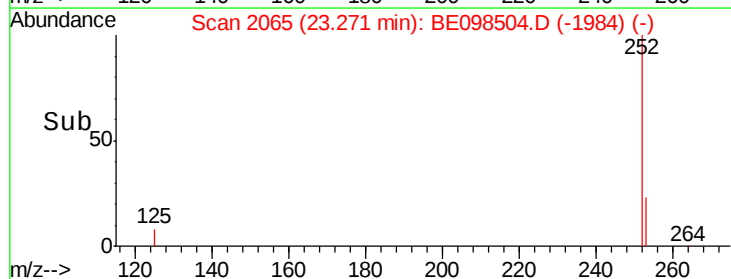
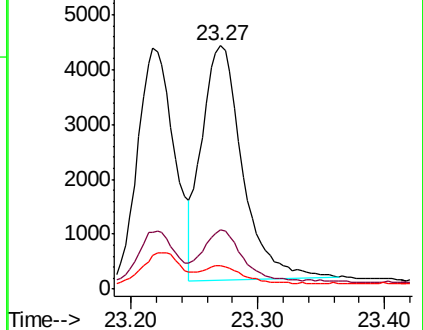
125 9.8 9.1 13.7



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: 23.88 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

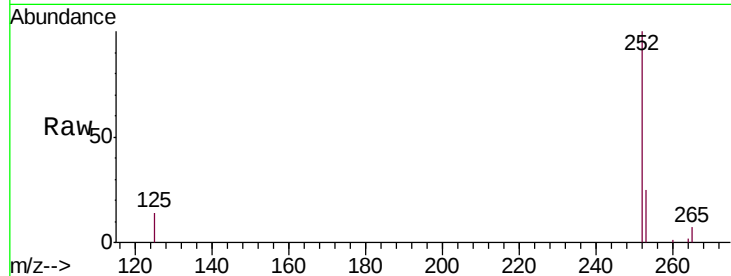
Tgt Ion:252 Resp: 8807

Ion Ratio Lower Upper

252 100

253 25.0 20.6 30.8

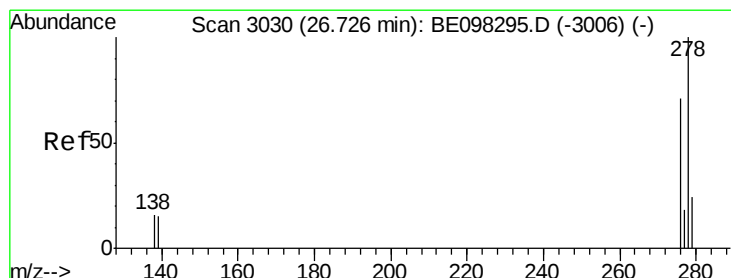
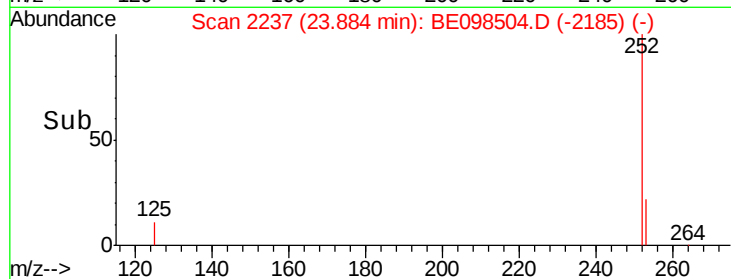
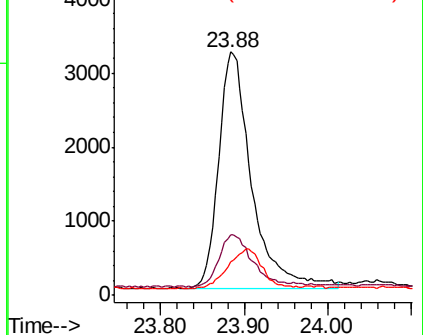
125 13.6 10.5 15.7



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: 0.385 ng

RT: 26.71 min Scan# 3026

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

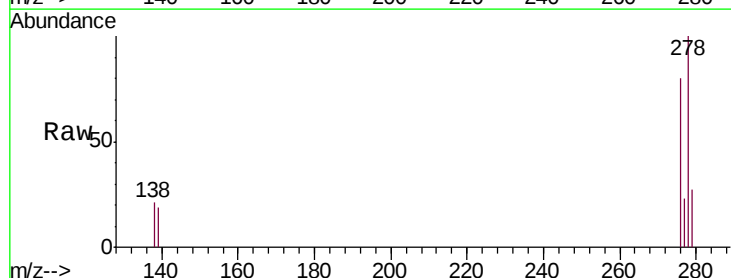
Tgt Ion:278 Resp: 7526

Ion Ratio Lower Upper

278 100

139 18.6 14.5 21.7

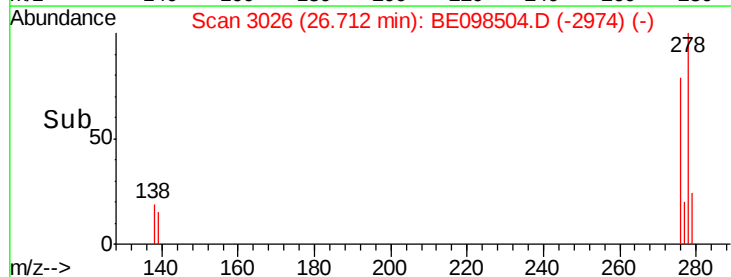
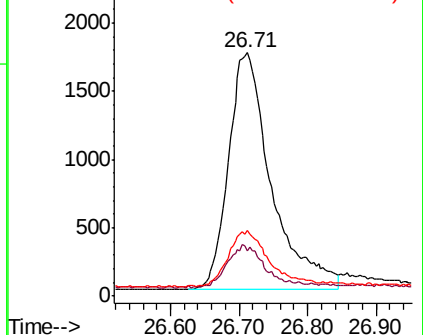
279 26.7 21.8 32.8



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: 0.417 ng

RT: 27.50 min Scan# 3248

Delta R.T. -0.02 min

Lab File: BE098504.D

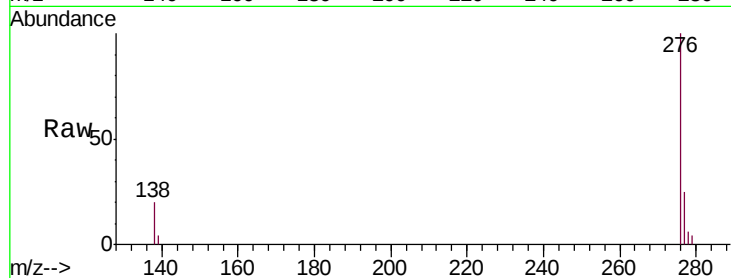
Acq: 16 Dec 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



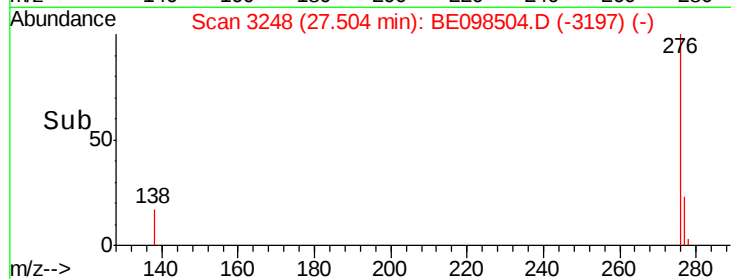
Tgt Ion: 276 Resp: 8212

Ion Ratio Lower Upper

276 100

277 25.2 20.8 31.2

138 19.9 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

