

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE121918\
 Data File : BE098530.D
 Acq On : 19 Dec 2018 17:15
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Dec 25 00:42:28 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	1482	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	7478	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4603	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	11099	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	12301	0.40	ng	-0.01
34) Perylene-d12	24.00	264	10997	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	1491	0.43	ng	0.01
5) Phenol-d6	7.05	99	2286	0.47	ng	0.00
8) Nitrobenzene-d5	9.03	82	2443	0.36	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4895	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	688	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7648	0.39	ng	0.00
25) Fluoranthene-d10	19.30	212	53078	0.37	ng	0.00
29) Terphenyl-d14	19.90	244	10697	0.36	ng	-0.01

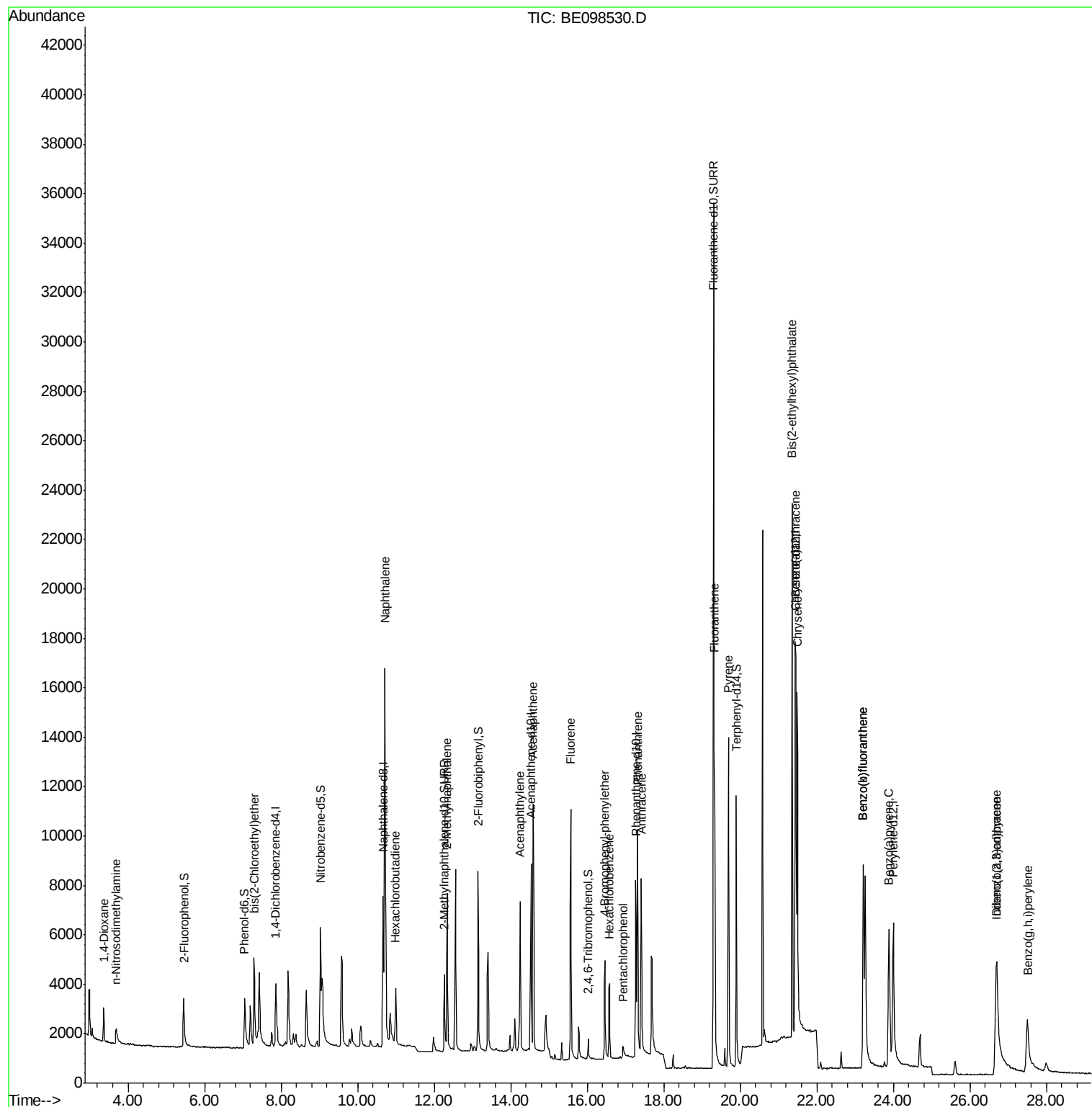
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	829	0.323	ng	95
3) n-Nitrosodimethylamine	3.69	42	801	0.347	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1645	0.352	ng	91
9) Naphthalene	10.72	128	29559	0.393	ng	100
10) Hexachlorobutadiene	10.99	225	1844	0.385	ng	98
12) 2-Methylnaphthalene	12.34	142	4826	0.395	ng	98
16) Acenaphthylene	14.24	152	7867	0.365	ng	99
17) Acenaphthene	14.59	154	5100	0.394	ng	100
18) Fluorene	15.57	166	6455	0.372	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	2346	0.393	ng	# 84
21) Hexachlorobenzene	16.58	284	2663	0.415	ng	97
22) Pentachlorophenol	16.94	266	465	0.443	ng	90
23) Phenanthrene	17.32	178	10531	0.390	ng	99
24) Anthracene	17.41	178	8856	0.368	ng	99
26) Fluoranthene	19.33	202	13194	0.370	ng	98
28) Pyrene	19.69	202	13926	0.361	ng	98
30) Benzo(a)anthracene	21.44	228	12873	0.368	ng	99
31) Chrysene	21.49	228	14228	0.388	ng	97
32) Bis(2-ethylhexyl)phthalate	21.35	149	25849	0.363	ng	99
33) Indeno(1,2,3-cd)pyrene	26.68	276	9519	0.261	ng	98
35) Benzo(b)fluoranthene	23.21	252	12061	0.401	ng	98
36) Benzo(k)fluoranthene	23.21	252	12061	0.344	ng	97
37) Benzo(a)pyrene	23.88	252	12435	0.401	ng	98
38) Dibenzo(a,h)anthracene	26.71	278	9129	0.312	ng	# 88
39) Benzo(g,h,i)perylene	27.50	276	7228	0.245	ng	99

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

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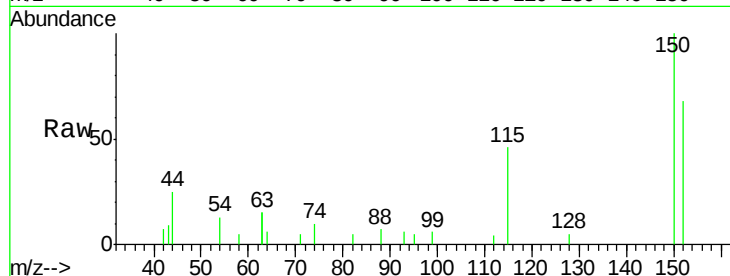


#1

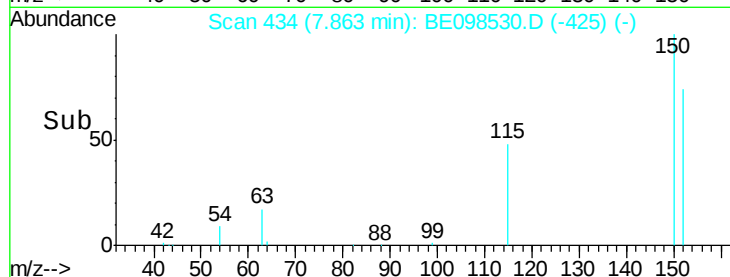
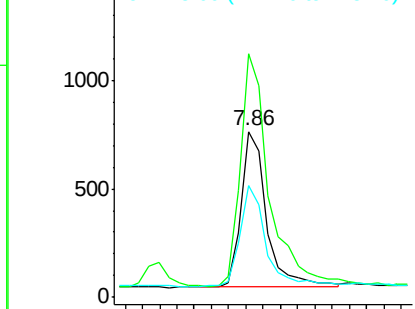
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098530.D
Acq: 19 Dec 2018 17:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 152 Resp: 1482
Ion Ratio Lower Upper
152 100
150 147.0 124.2 186.4
115 67.5 53.9 80.9



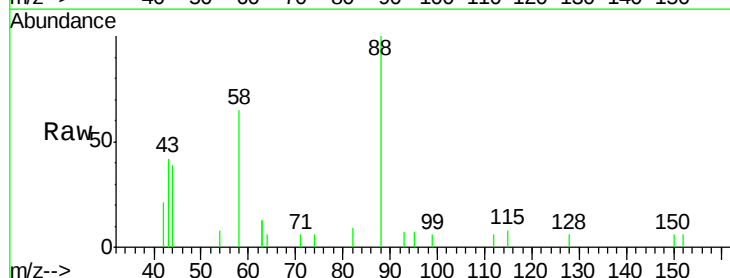
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



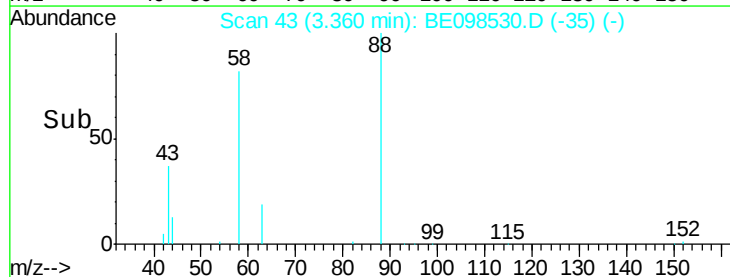
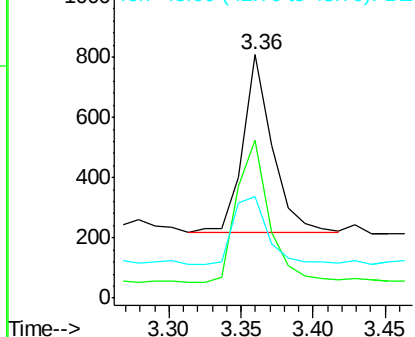
#2

1,4-Dioxane
Concen: 0.323 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098530.D
Acq: 19 Dec 2018 17:15

Tgt Ion: 88 Resp: 829
Ion Ratio Lower Upper
88 100
58 88.1 75.0 112.6
43 46.7 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: 0.347 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

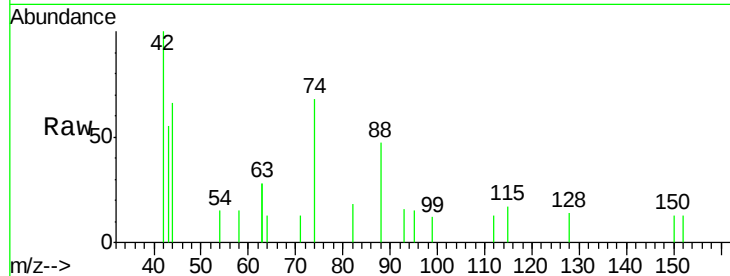
Tgt Ion: 42 Resp: 801

Ion Ratio Lower Upper

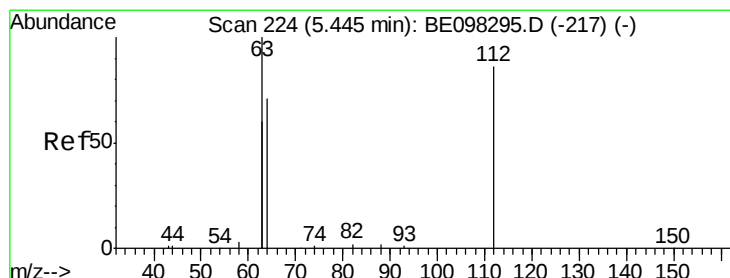
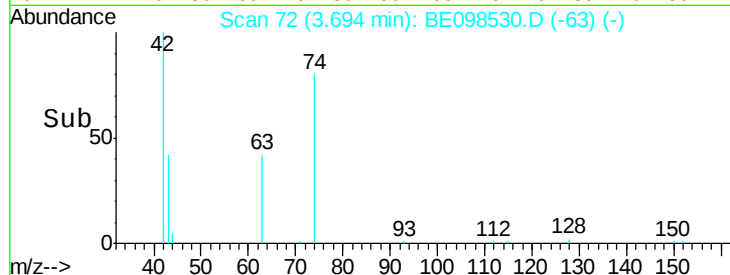
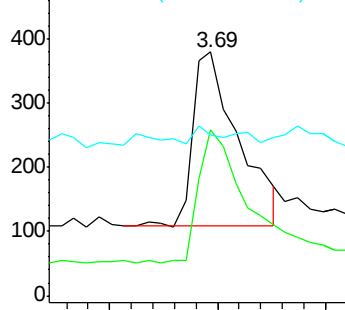
42 100

74 75.3 0.0 0.0#

44 3.2 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: 0.430 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

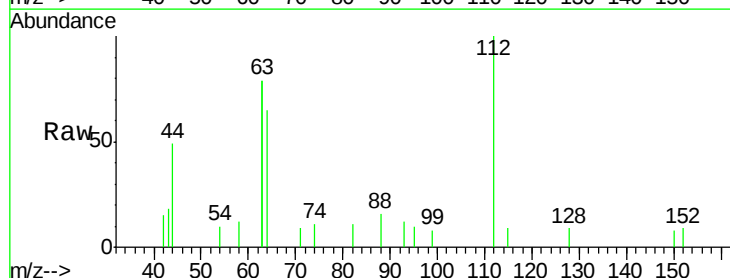
Tgt Ion: 112 Resp: 1491

Ion Ratio Lower Upper

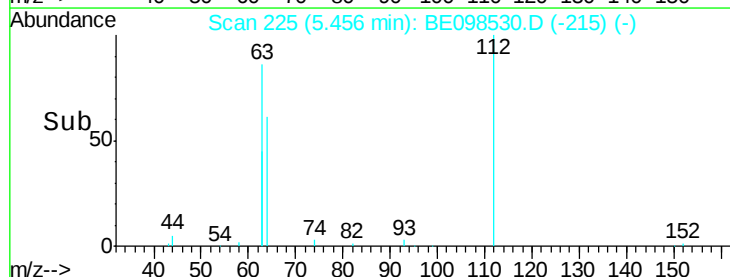
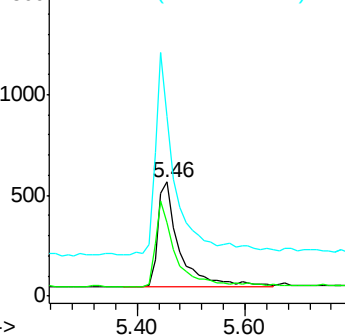
112 100

64 75.5 59.8 89.8

63 174.1 133.7 200.5



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: 0.465 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

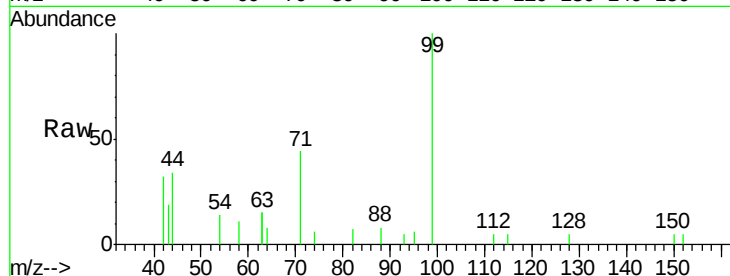
Tgt Ion: 99 Resp: 2286

Ion Ratio Lower Upper

99 100

42 32.3 26.3 39.5

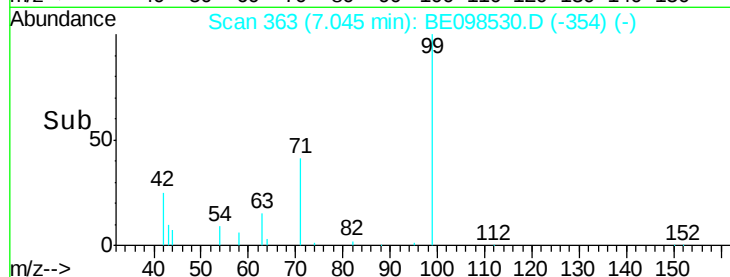
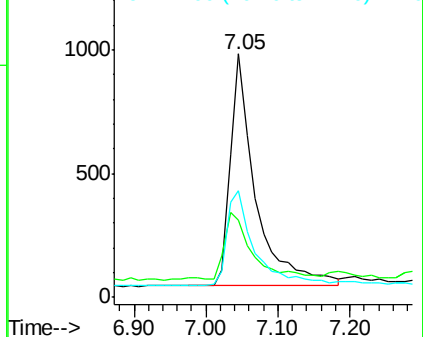
71 44.6 33.6 50.4



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: 0.352 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

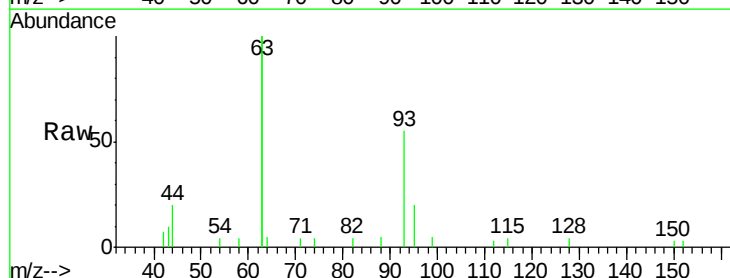
Tgt Ion: 93 Resp: 1645

Ion Ratio Lower Upper

93 100

63 351.7 264.4 396.6

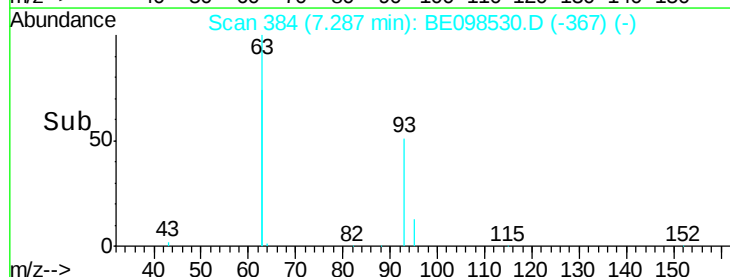
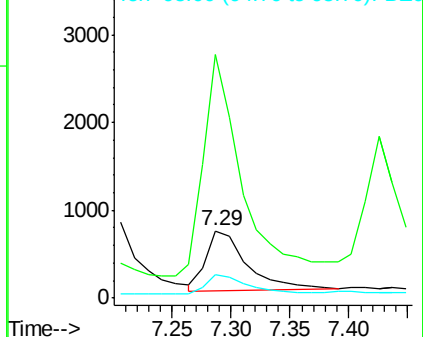
95 33.7 26.6 40.0

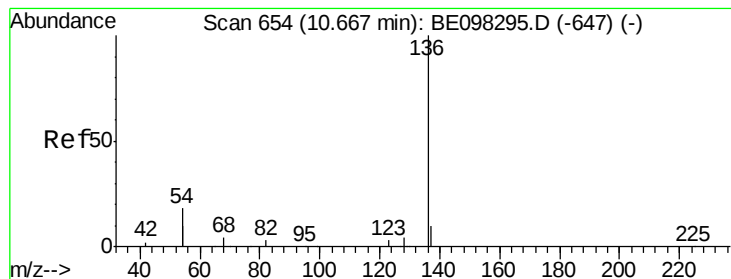


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

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SSTDCCC0.4EC

Tgt Ion: 136 Resp: 7478

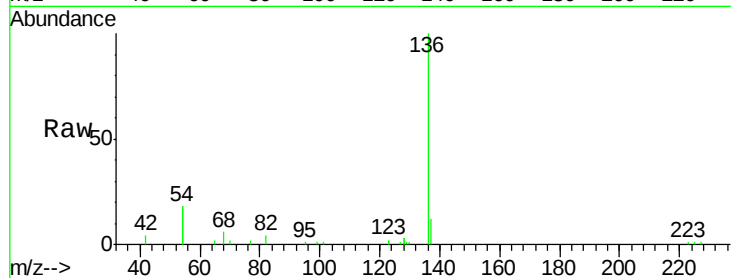
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 35.4 28.4 42.6

68 6.2 5.4 8.0

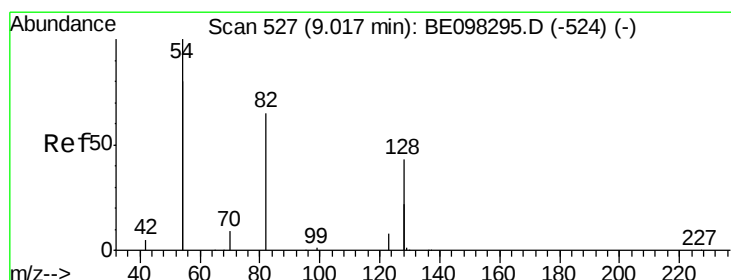
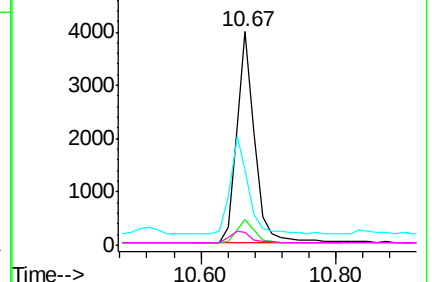
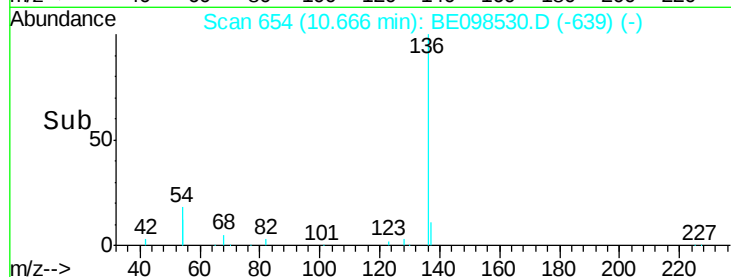


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.359 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

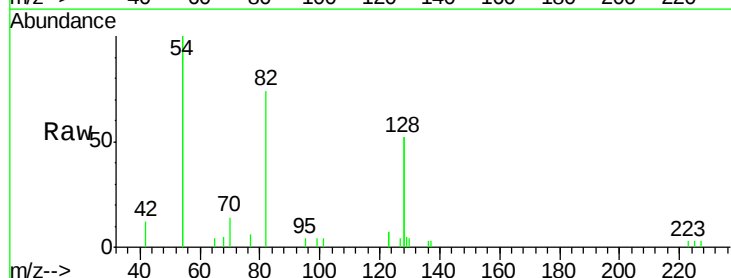
Tgt Ion: 82 Resp: 2443

Ion Ratio Lower Upper

82 100

128 139.9 102.4 153.6

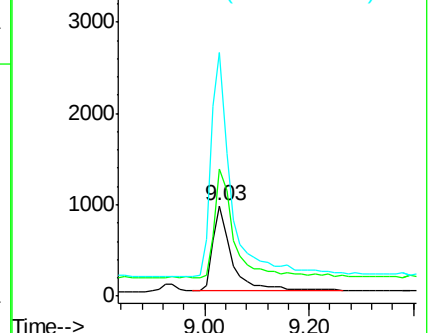
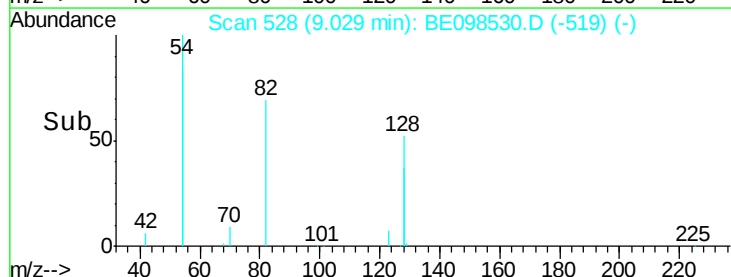
54 268.8 221.8 332.8



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: 0.393 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

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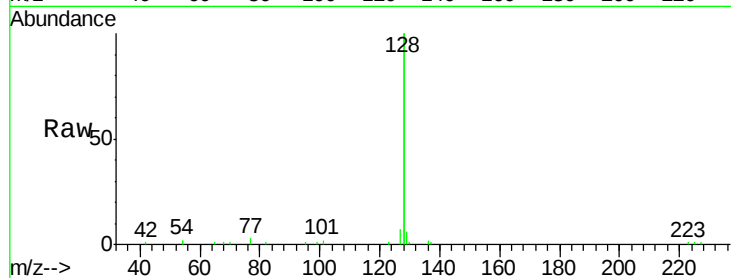
Tgt Ion:128 Resp: 29559

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

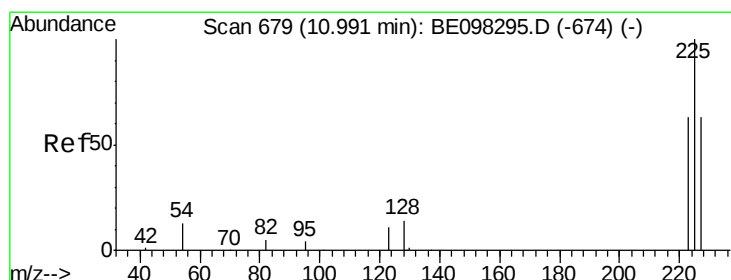
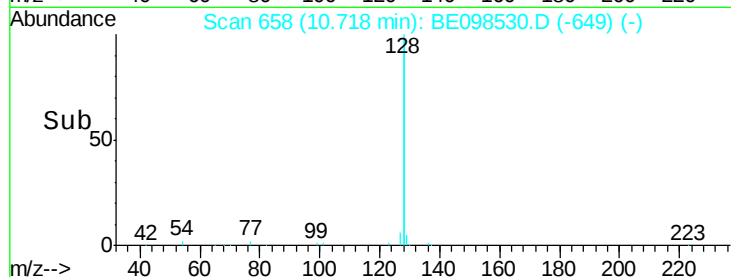
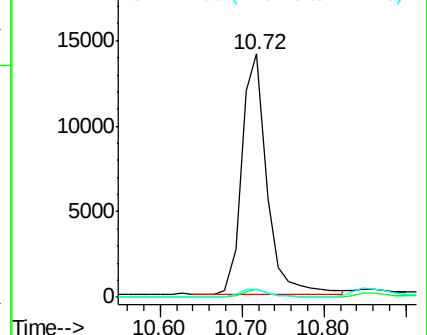
127 3.5 2.7 4.1



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: 0.385 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

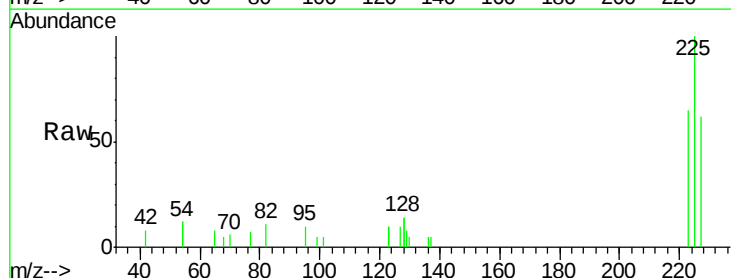
Tgt Ion:225 Resp: 1844

Ion Ratio Lower Upper

225 100

223 63.9 49.4 74.0

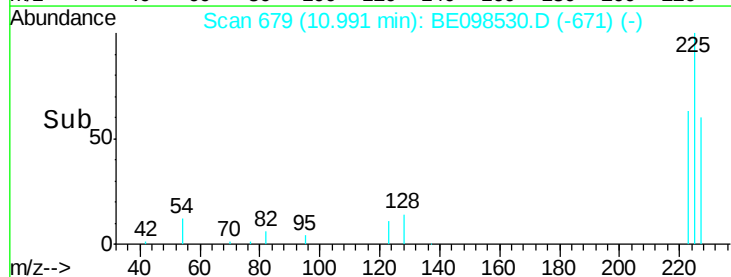
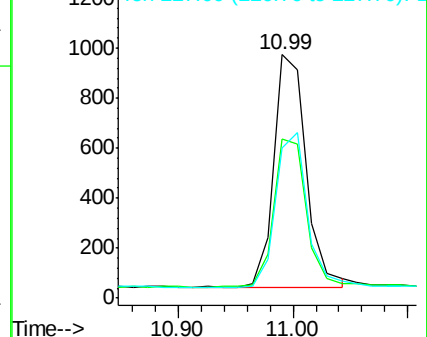
227 64.6 52.0 78.0



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: 0.403 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

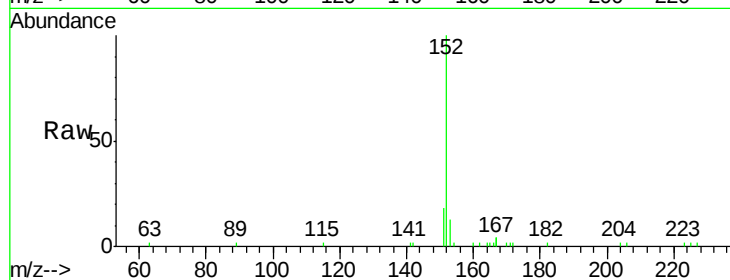
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4895

Ion Ratio Lower Upper

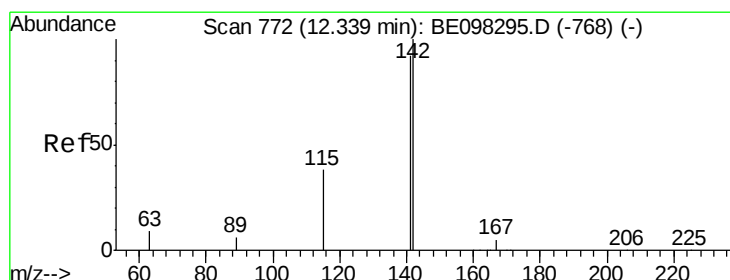
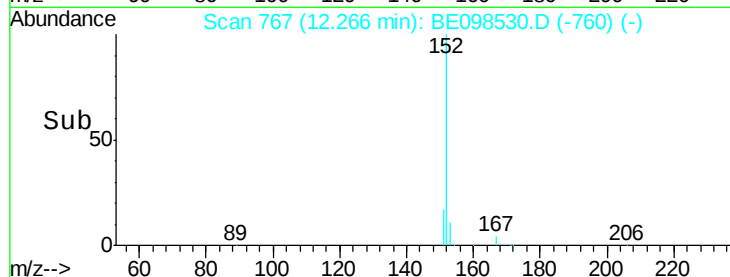
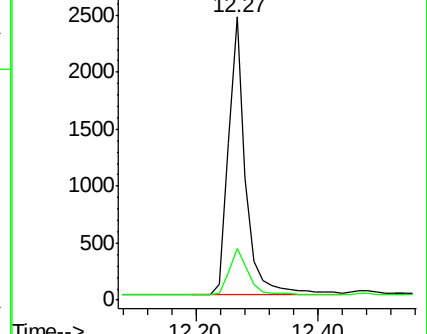
152 100

151 18.6 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: 0.395 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

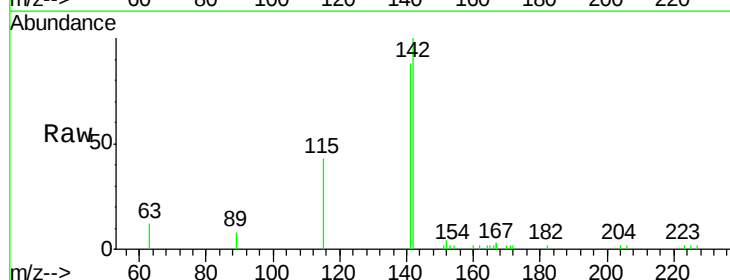
Tgt Ion:142 Resp: 4826

Ion Ratio Lower Upper

142 100

141 88.2 71.0 106.6

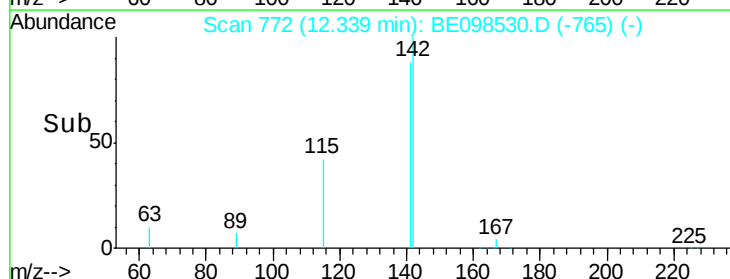
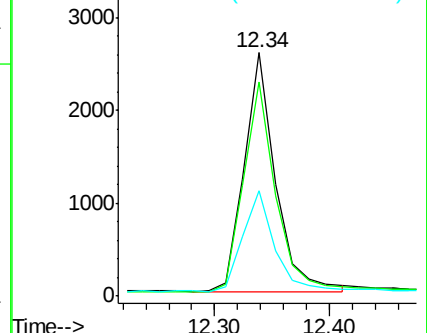
115 43.2 32.2 48.2



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

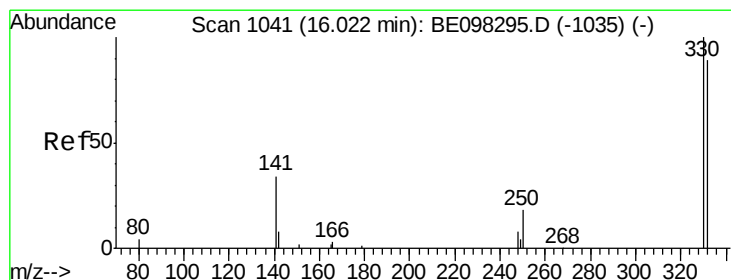
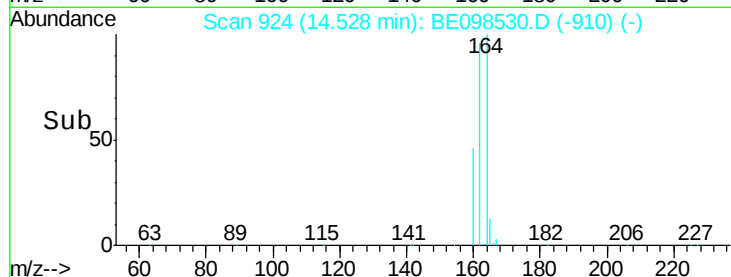
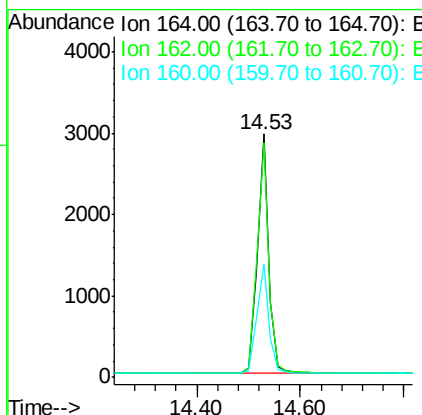
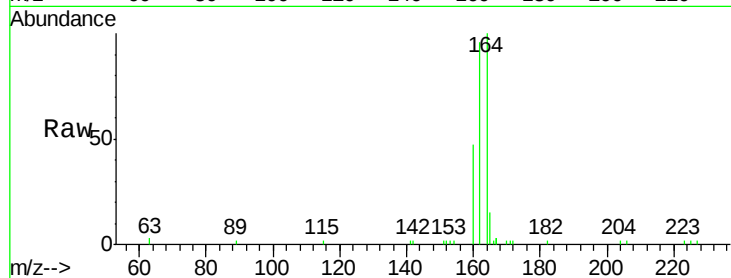




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098530.D
 Acq: 19 Dec 2018 17:15

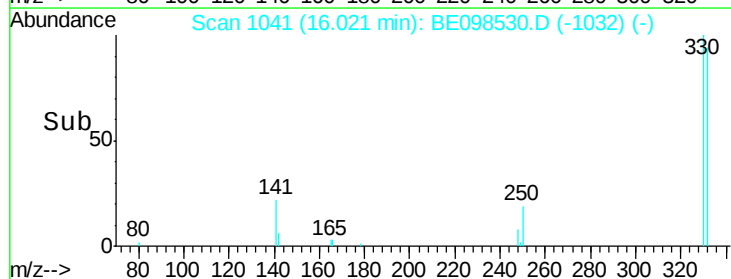
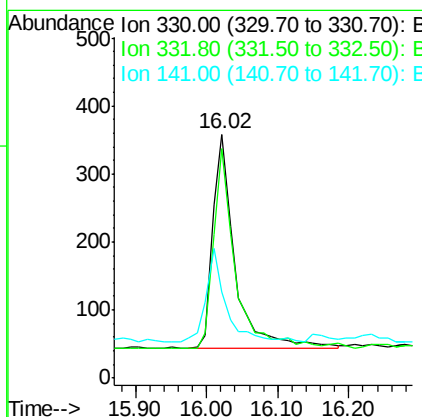
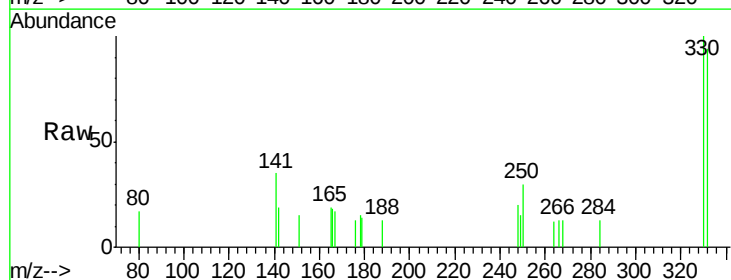
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion:164 Resp: 4603
 Ion Ratio Lower Upper
 164 100
 162 96.4 77.6 116.4
 160 46.6 36.0 54.0



#14
 2,4,6-Tribromophenol
 Concen: 0.407 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098530.D
 Acq: 19 Dec 2018 17:15

Tgt Ion:330 Resp: 688
 Ion Ratio Lower Upper
 330 100
 332 91.4 76.2 114.4
 141 39.0 39.0 58.4#

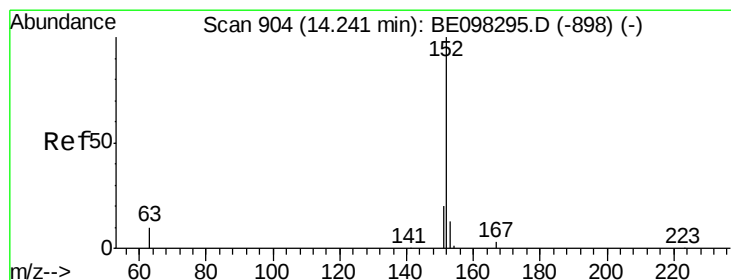
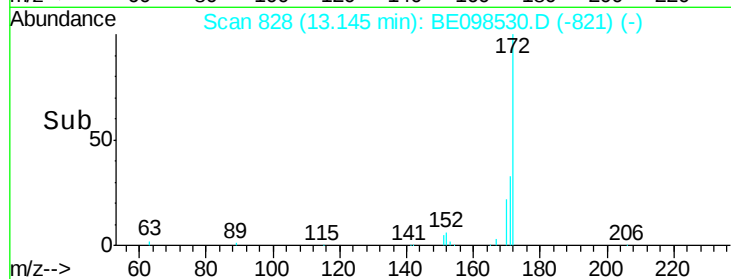
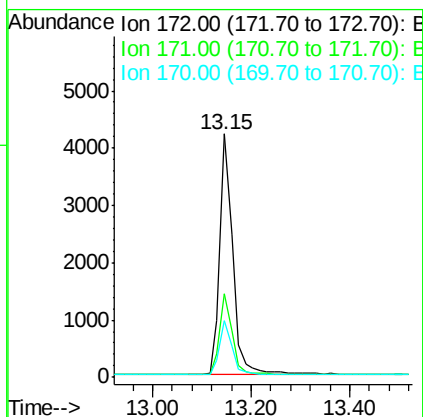
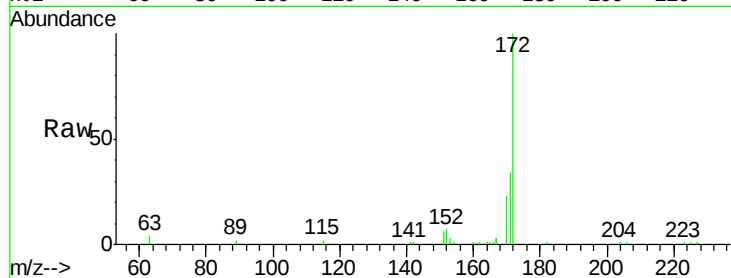




#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098530.D
Acq: 19 Dec 2018 17:15

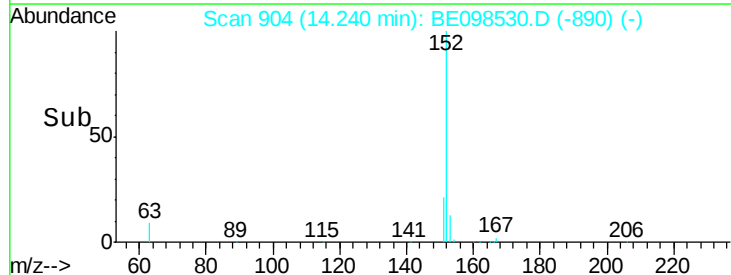
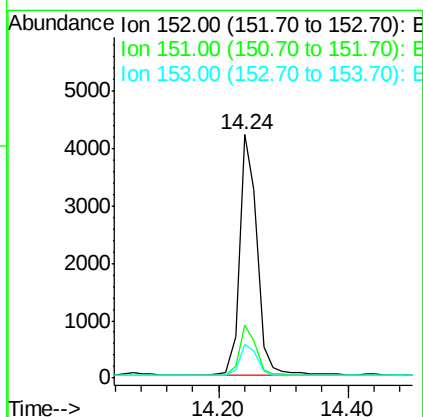
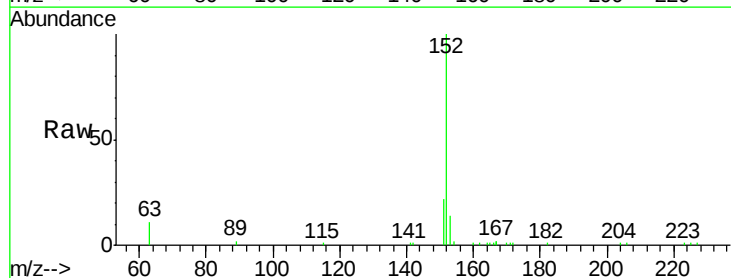
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 7648
Ion Ratio Lower Upper
172 100
171 34.2 27.5 41.3
170 23.1 19.6 29.4



#16
Acenaphthylene
Concen: 0.365 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098530.D
Acq: 19 Dec 2018 17:15

Tgt Ion:152 Resp: 7867
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.3 10.6 16.0

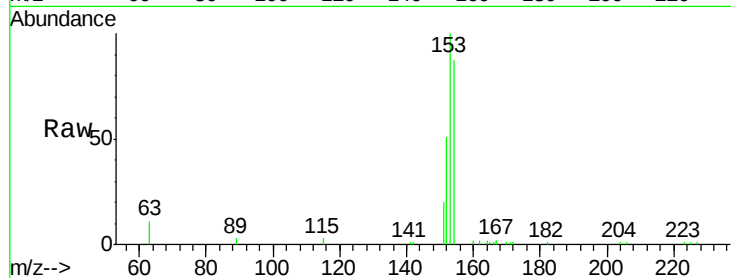




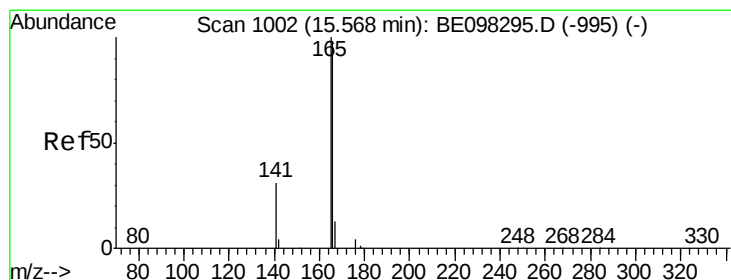
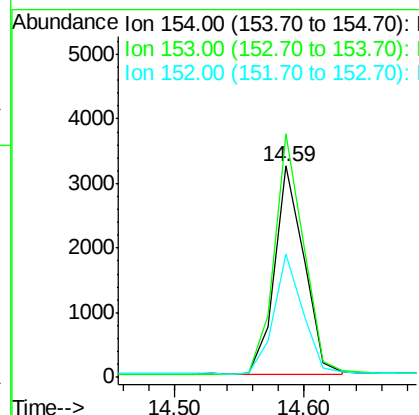
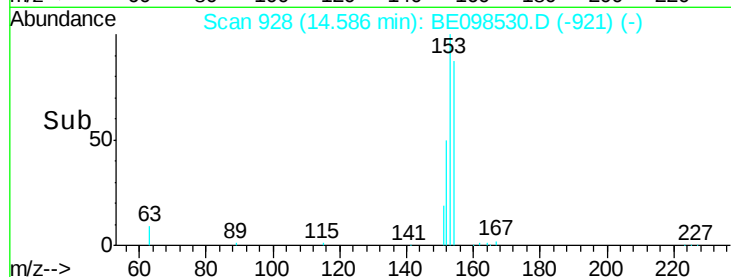
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098530.D
Acq: 19 Dec 2018 17:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5100
Ion Ratio Lower Upper
154 100
153 114.8 91.8 137.6
152 56.9 45.5 68.3

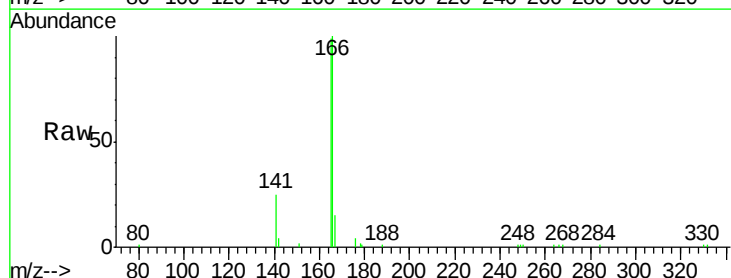


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

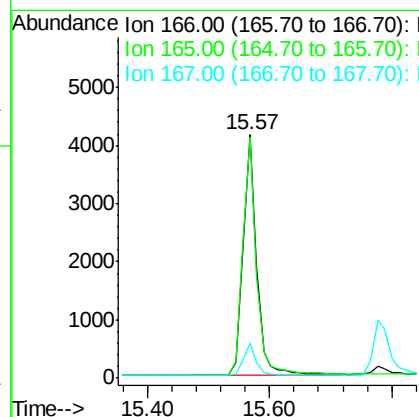
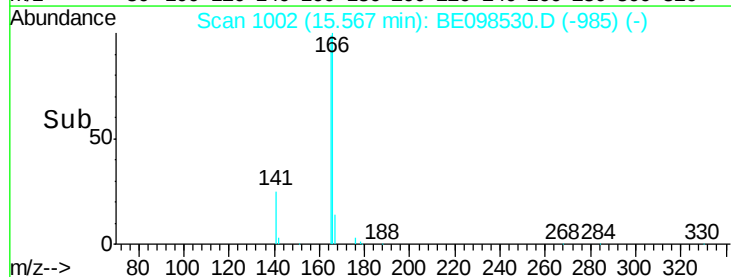


#18
Fluorene
Concen: 0.372 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098530.D
Acq: 19 Dec 2018 17:15

Tgt Ion:166 Resp: 6455
Ion Ratio Lower Upper
166 100
165 99.9 79.3 118.9
167 13.2 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: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

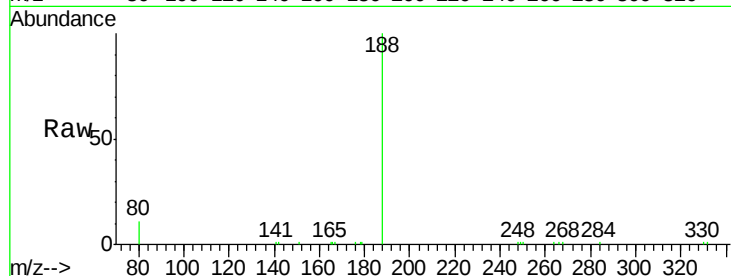
Tgt Ion:188 Resp: 11099

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

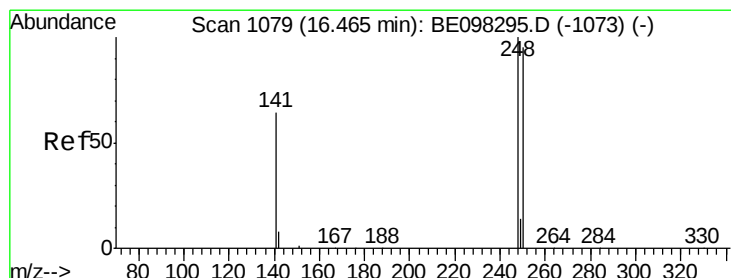
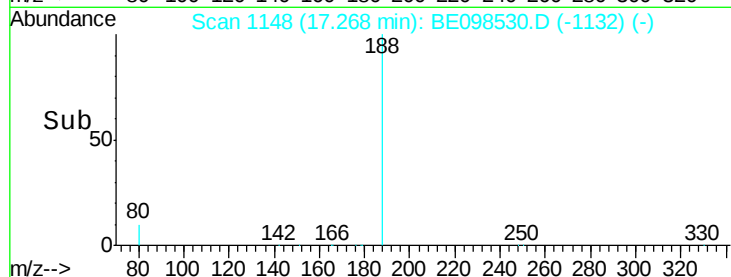
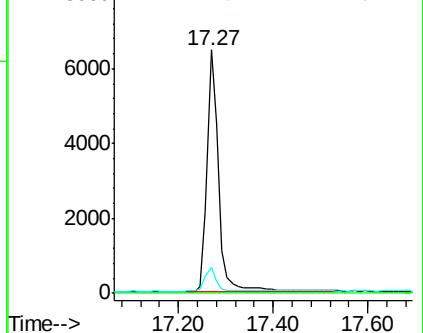
80 10.6 7.2 10.8



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: 0.393 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

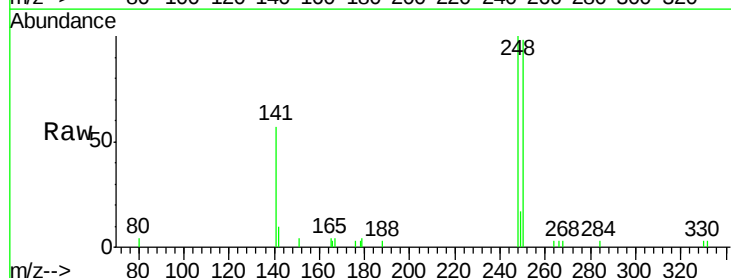
Tgt Ion:248 Resp: 2346

Ion Ratio Lower Upper

248 100

250 97.8 71.0 106.6

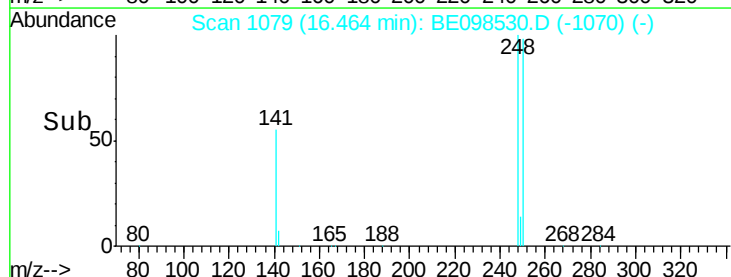
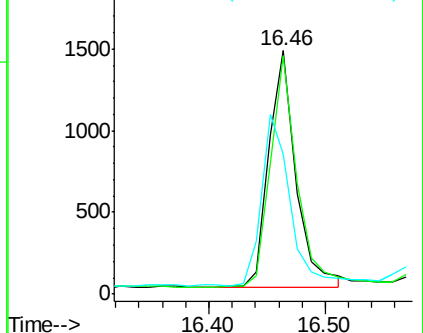
141 57.4 62.1 93.1#



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: 0.415 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

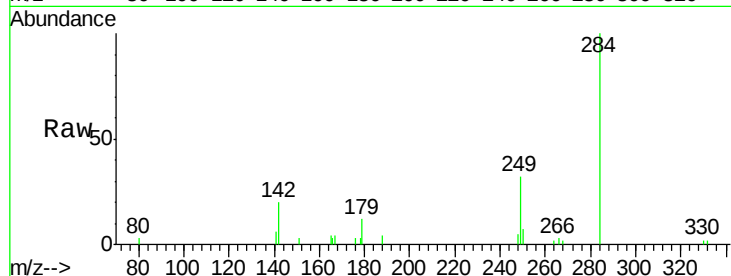
Tgt Ion:284 Resp: 2663

Ion Ratio Lower Upper

284 100

142 35.4 26.3 39.5

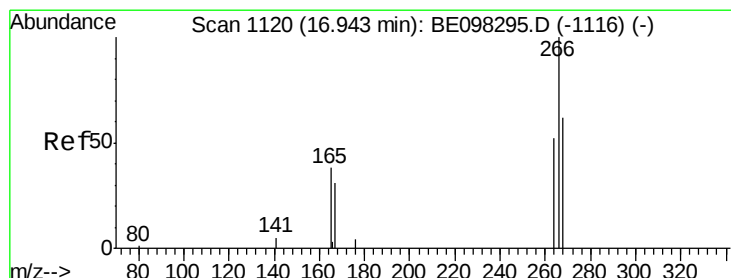
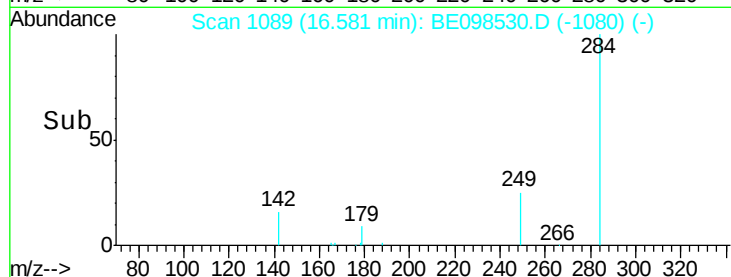
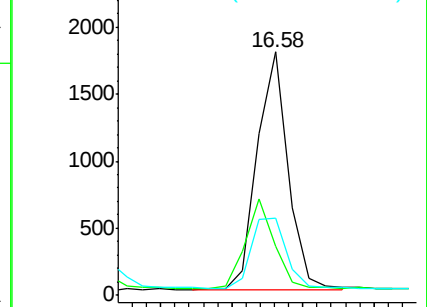
249 33.8 26.0 39.0



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: 0.443 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

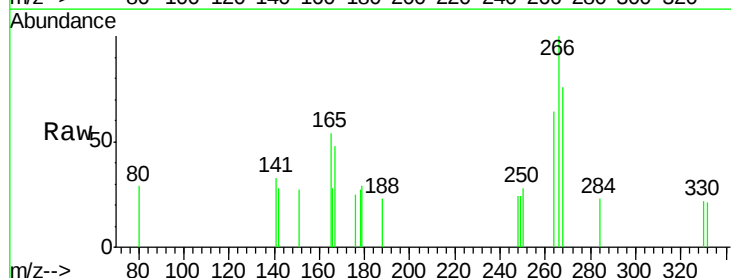
Tgt Ion:266 Resp: 465

Ion Ratio Lower Upper

266 100

264 64.2 59.0 88.4

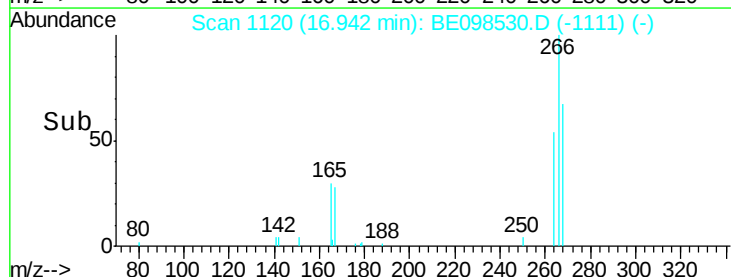
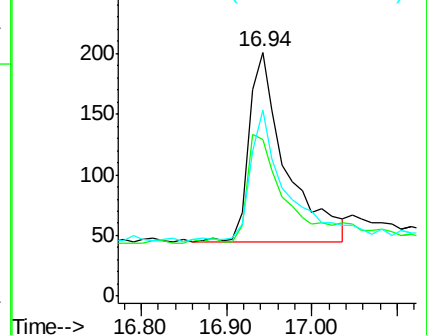
268 76.1 55.1 82.7



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: 0.390 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

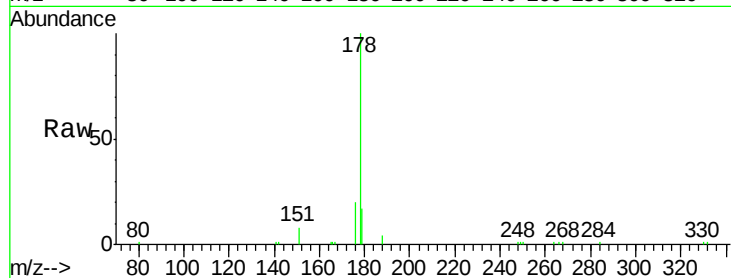
Tgt Ion:178 Resp: 10531

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

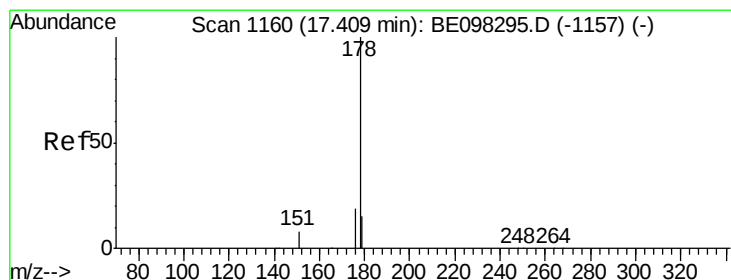
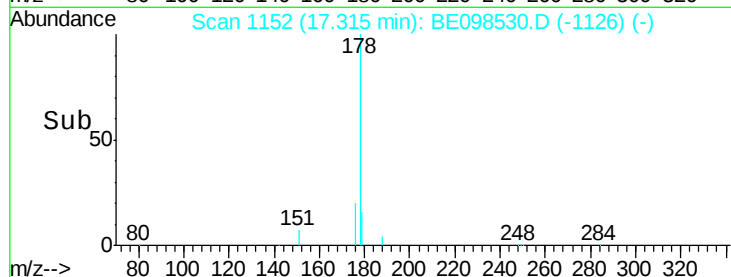
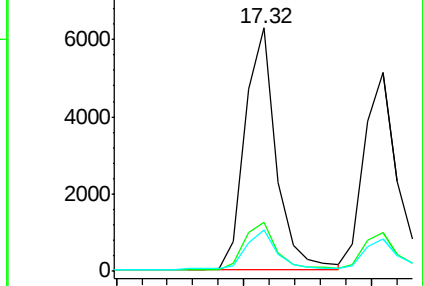
179 16.5 12.3 18.5



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: 0.368 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

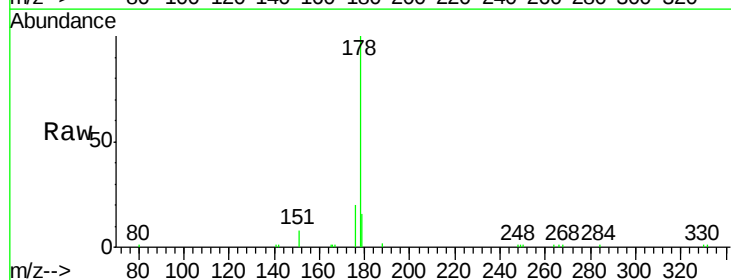
Tgt Ion:178 Resp: 8856

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

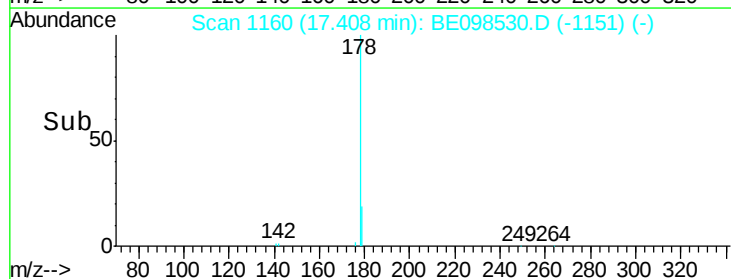
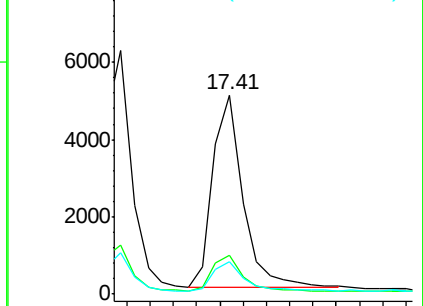
179 16.0 12.3 18.5



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

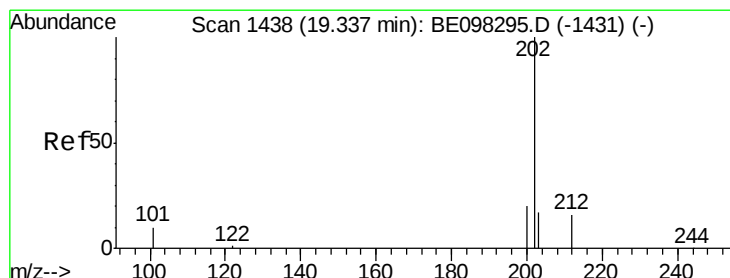
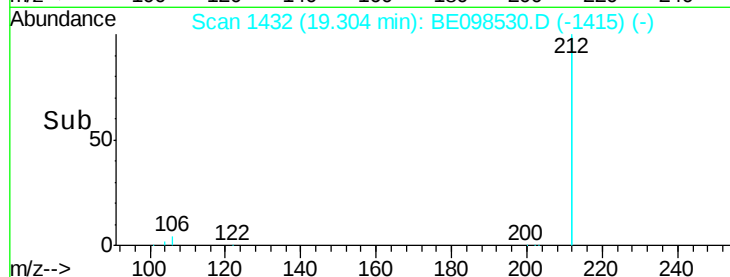
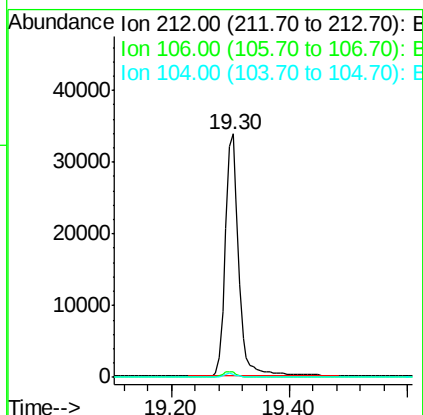
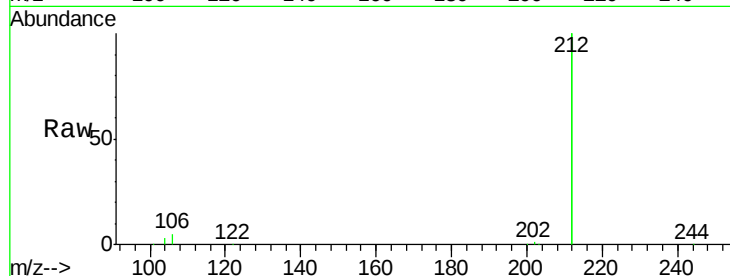




#25
 Fluoranthene-d10
 Concen: 0.373 ng
 RT: 19.30 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: BE098530.D
 Acq: 19 Dec 2018 17:15

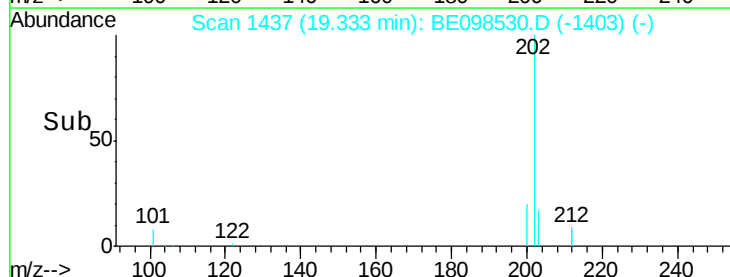
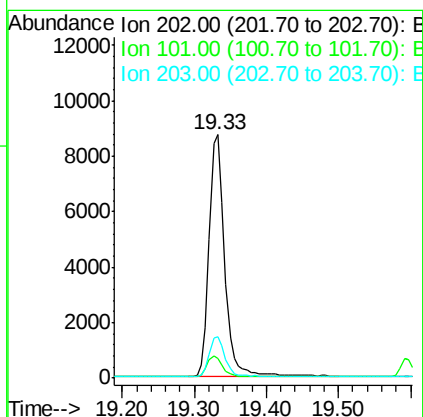
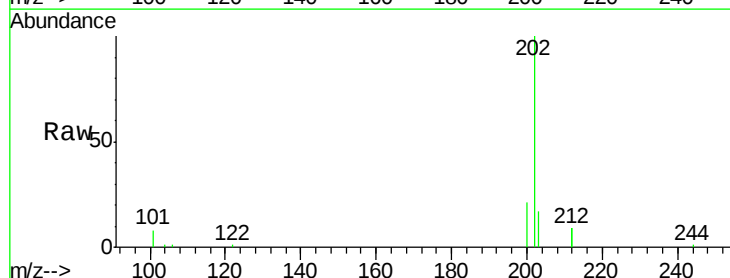
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion: 212 Resp: 53078
 Ion Ratio Lower Upper
 212 100
 106 2.3 2.2 3.2
 104 1.3 1.3 1.9



#26
 Fluoranthene
 Concen: 0.370 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. -0.00 min
 Lab File: BE098530.D
 Acq: 19 Dec 2018 17:15

Tgt Ion: 202 Resp: 13194
 Ion Ratio Lower Upper
 202 100
 101 8.8 8.0 12.0
 203 16.5 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: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

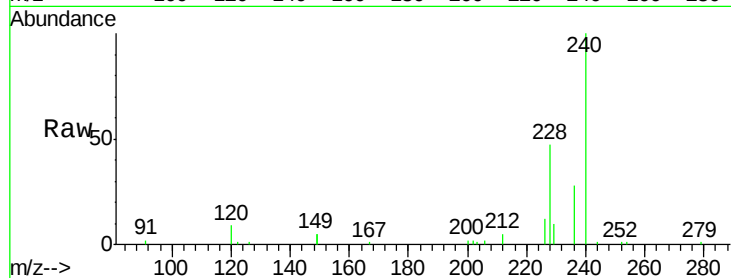
Tgt Ion:240 Resp: 12301

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

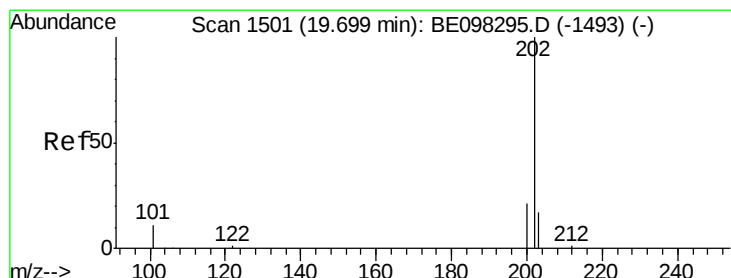
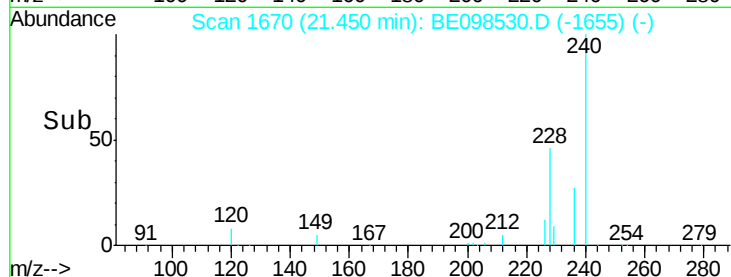
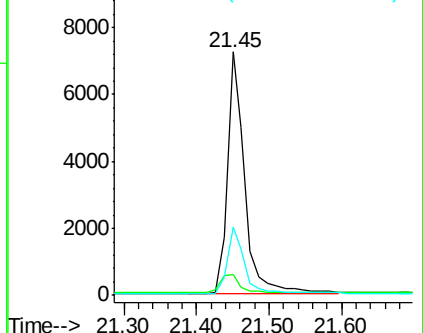
236 27.9 22.7 34.1



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: 0.361 ng

RT: 19.69 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

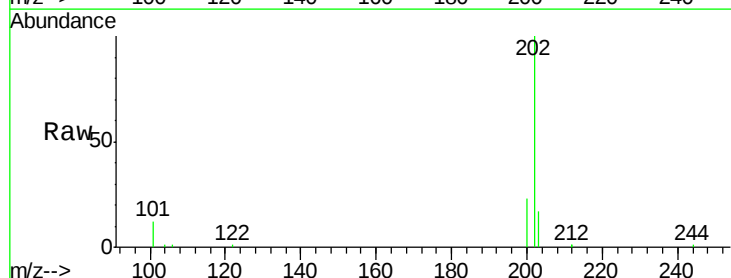
Tgt Ion:202 Resp: 13926

Ion Ratio Lower Upper

202 100

200 21.7 16.7 25.1

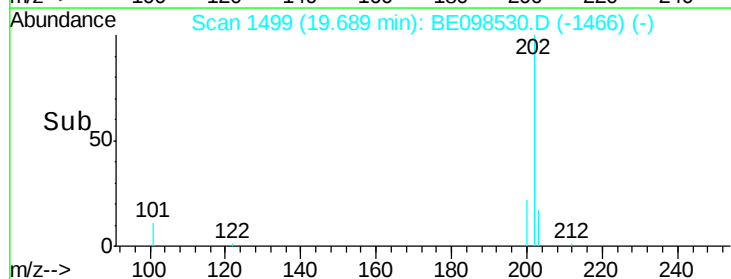
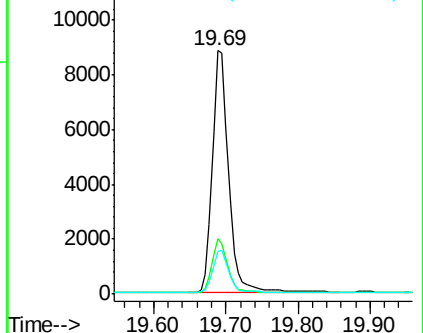
203 17.0 14.1 21.1

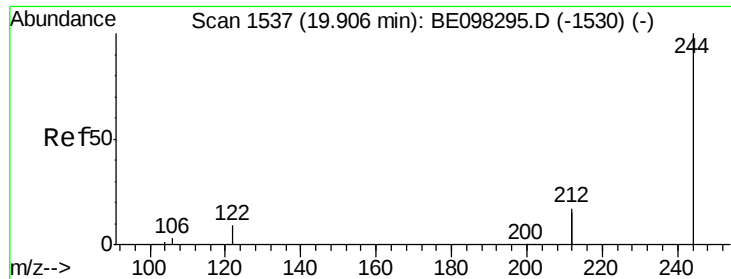


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.358 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

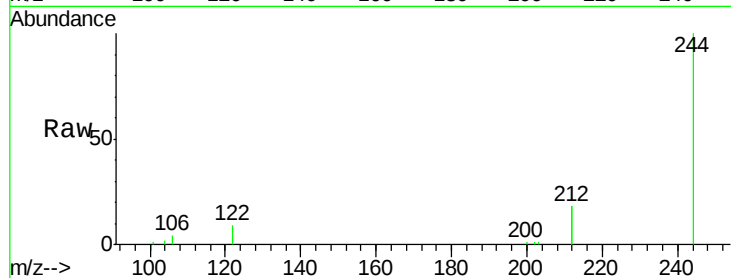
Tgt Ion:244 Resp: 10697

Ion Ratio Lower Upper

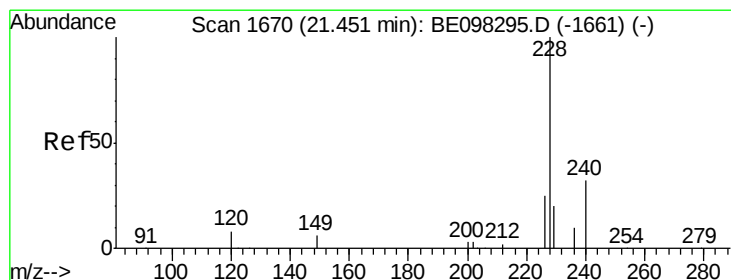
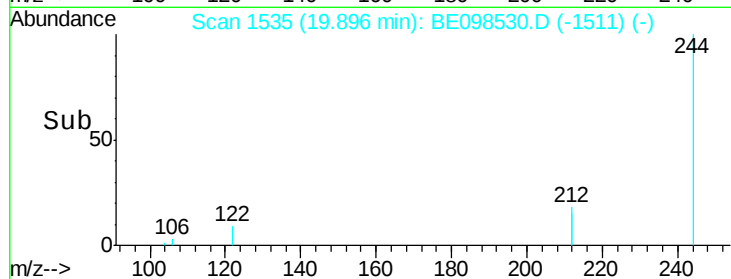
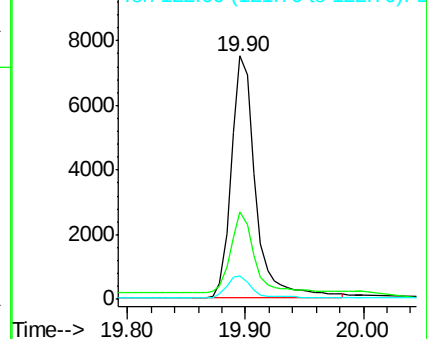
244 100

212 35.7 27.4 41.0

122 9.4 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: 0.368 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

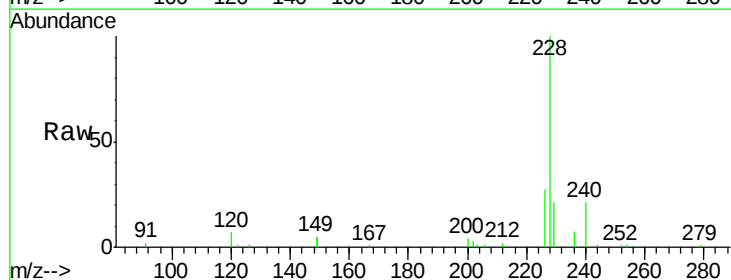
Tgt Ion:228 Resp: 12873

Ion Ratio Lower Upper

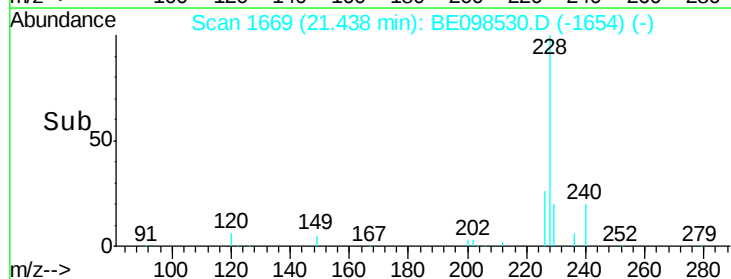
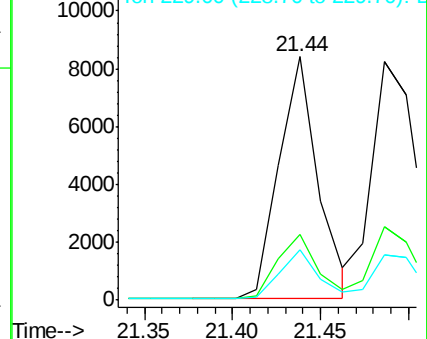
228 100

226 27.0 21.8 32.8

229 20.7 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: 0.388 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

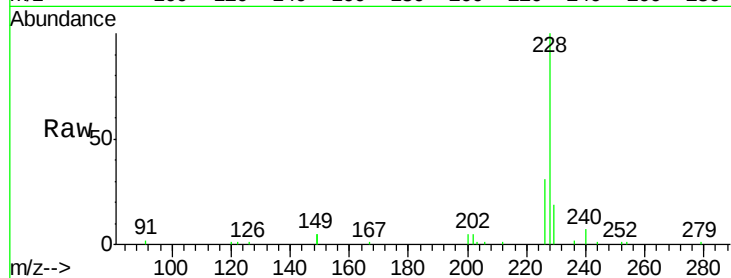
Tgt Ion:228 Resp: 14228

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

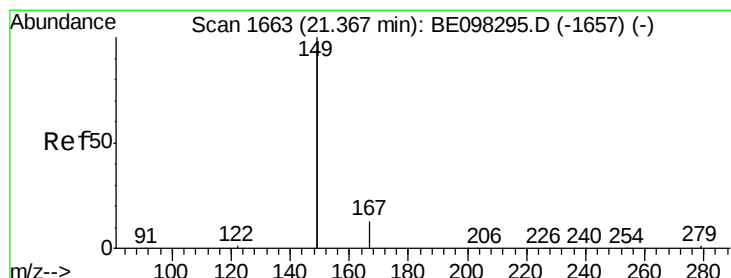
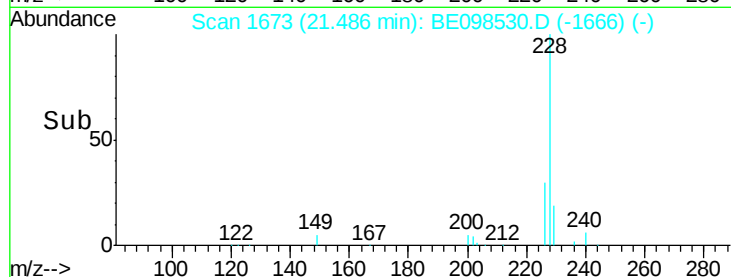
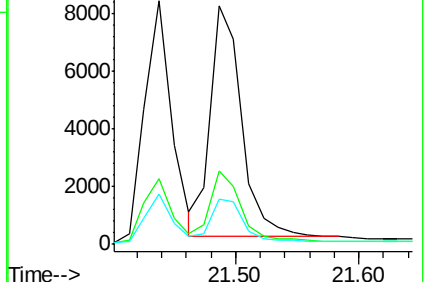
229 19.1 16.2 24.4



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: 0.363 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

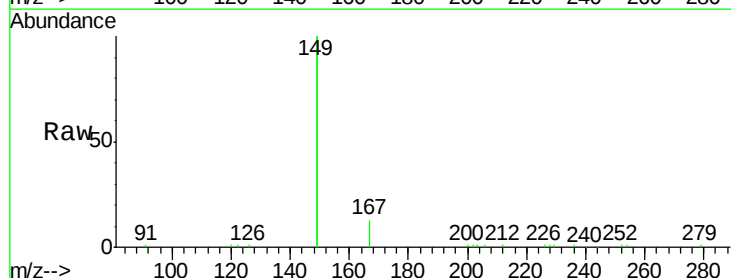
Tgt Ion:149 Resp: 25849

Ion Ratio Lower Upper

149 100

167 6.7 5.7 8.5

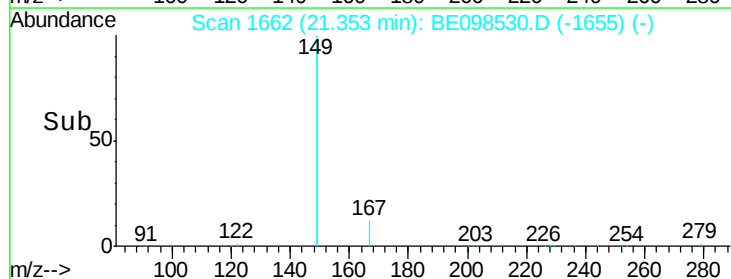
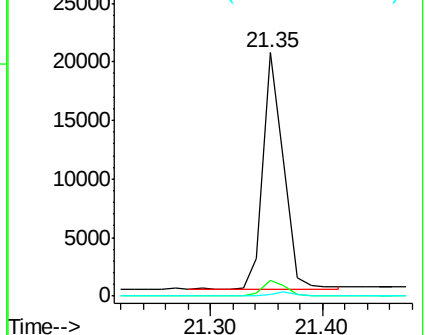
279 1.1 1.0 1.4



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: 0.261 ng

RT: 26.68 min Scan# 3018

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

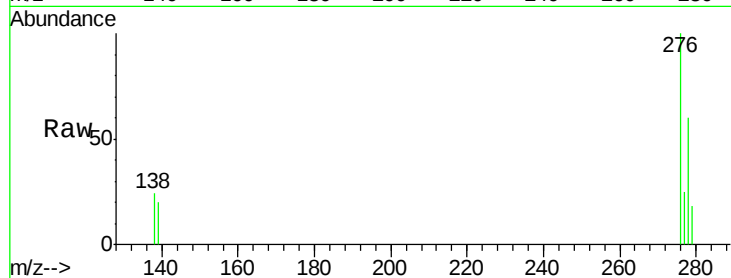
Tgt Ion:276 Resp: 9519

Ion Ratio Lower Upper

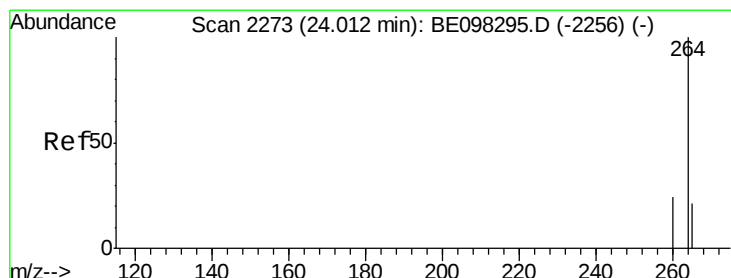
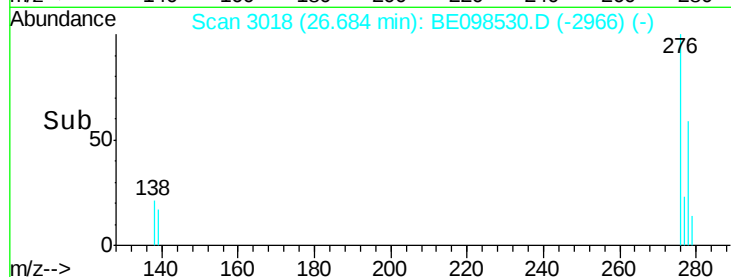
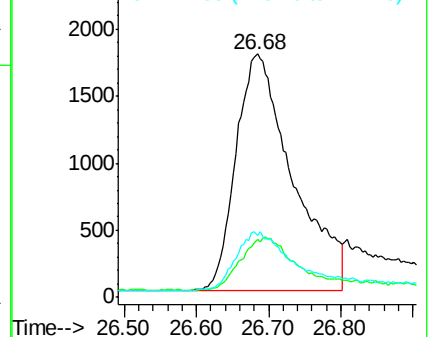
276 100

138 21.3 16.3 24.5

277 26.8 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: BE098530.D

Acq: 19 Dec 2018 17:15

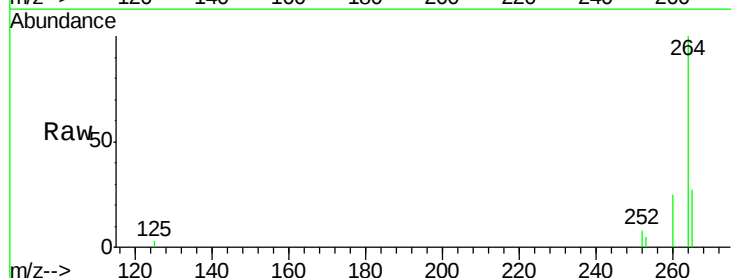
Tgt Ion:264 Resp: 10997

Ion Ratio Lower Upper

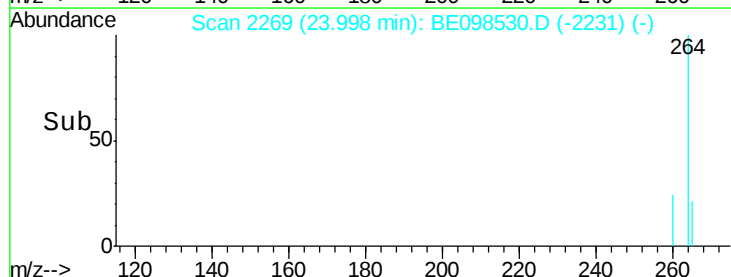
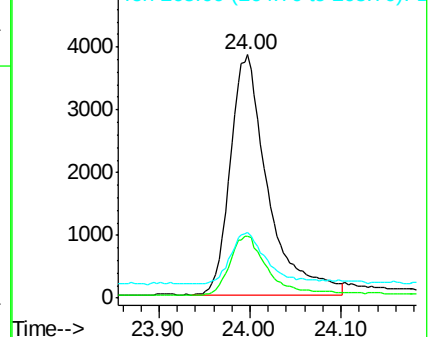
264 100

260 25.3 20.2 30.2

265 27.0 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: 0.401 ng

RT: 23.21 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

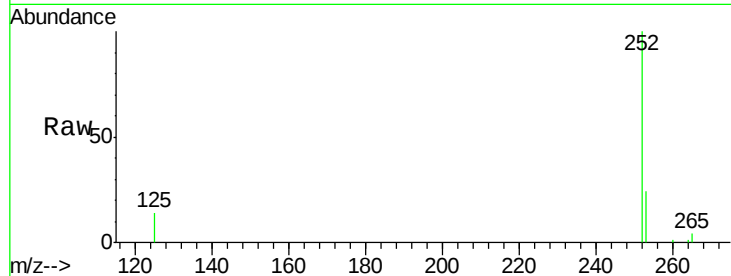
Tgt Ion:252 Resp: 12061

Ion Ratio Lower Upper

252 100

253 24.4 20.0 30.0

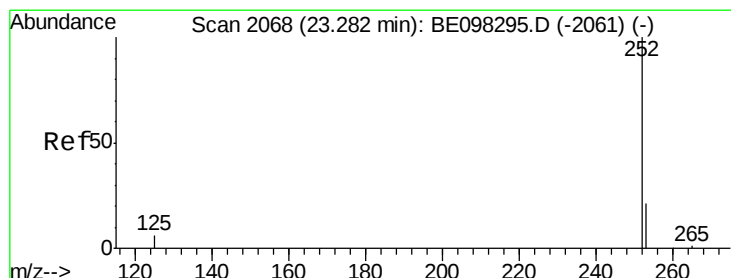
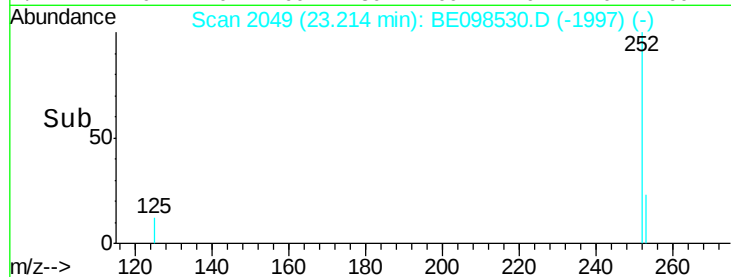
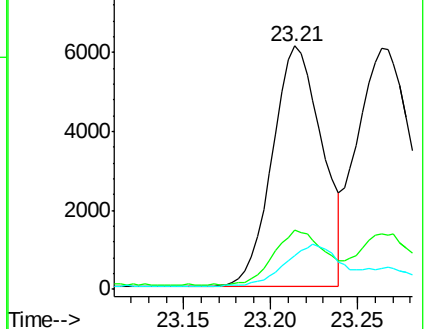
125 13.7 9.6 14.4



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: 0.344 ng

RT: 23.21 min Scan# 2049

Delta R.T. -0.07 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

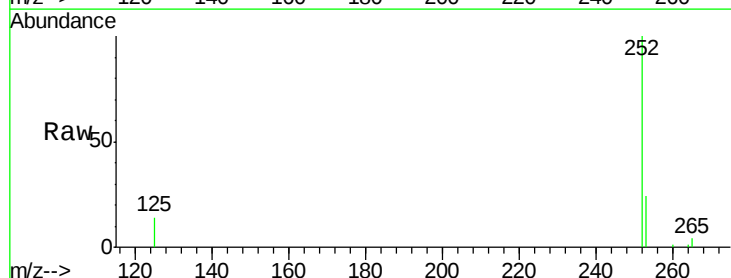
Tgt Ion:252 Resp: 12061

Ion Ratio Lower Upper

252 100

253 24.4 19.0 28.6

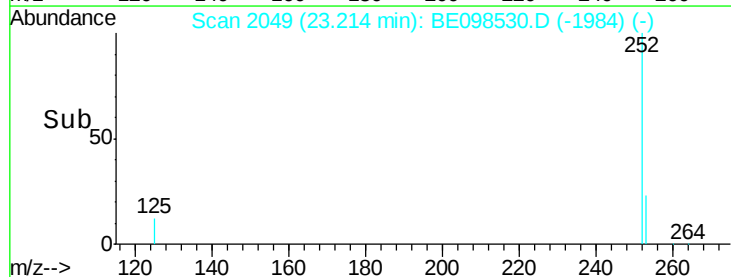
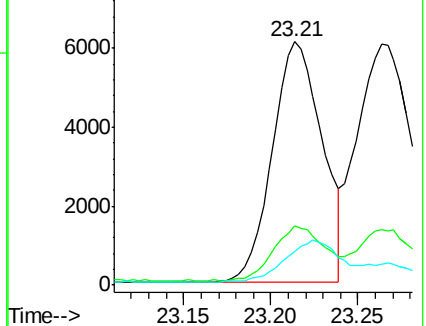
125 13.7 9.1 13.7



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: 0.401 ng

RT: 23.88 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

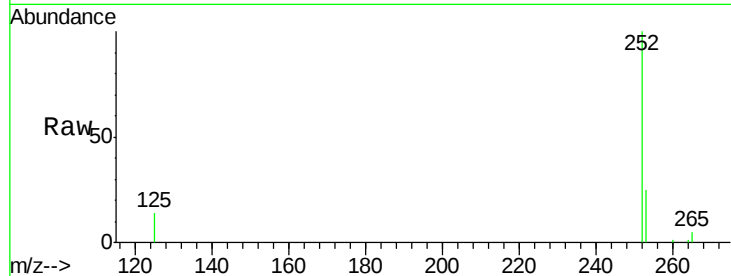
Tgt Ion:252 Resp: 12435

Ion Ratio Lower Upper

252 100

253 24.5 20.6 30.8

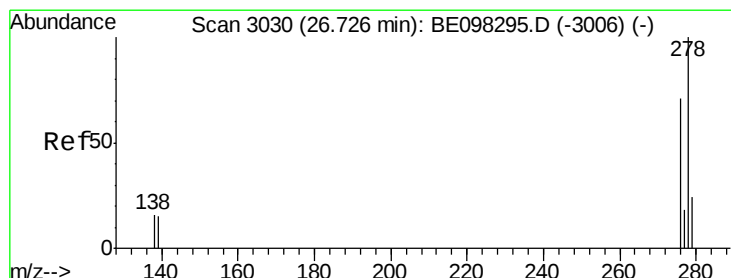
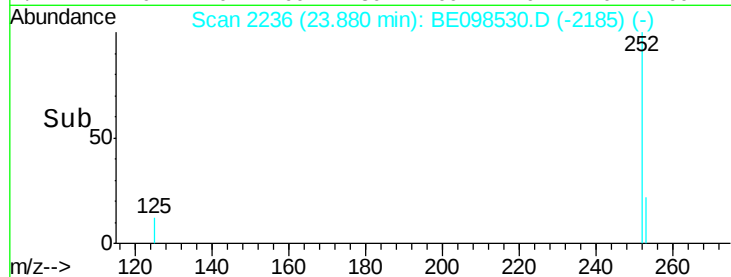
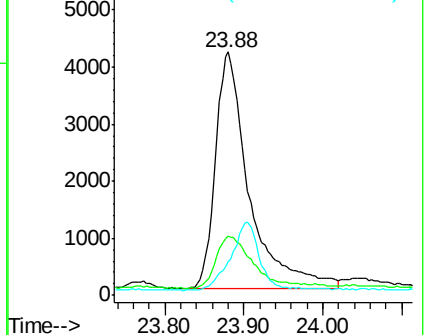
125 13.6 10.5 15.7



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: 0.312 ng

RT: 26.71 min Scan# 3024

Delta R.T. -0.02 min

Lab File: BE098530.D

Acq: 19 Dec 2018 17:15

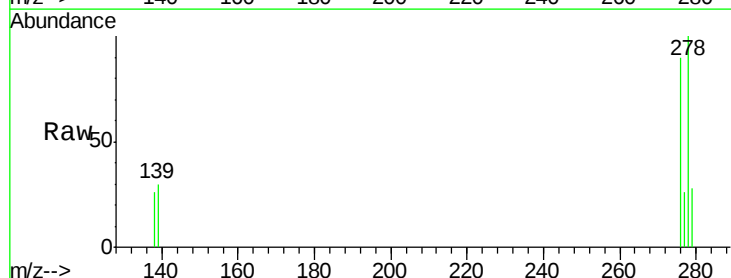
Tgt Ion:278 Resp: 9129

Ion Ratio Lower Upper

278 100

139 29.9 14.5 21.7#

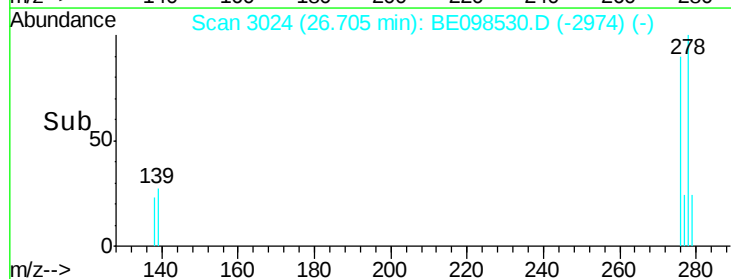
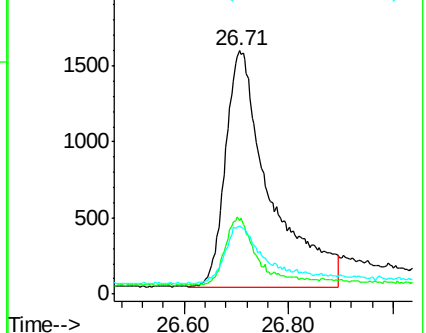
279 28.1 21.8 32.8



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: 0.245 ng

RT: 27.50 min Scan# 3248

Delta R.T. -0.02 min

Lab File: BE098530.D

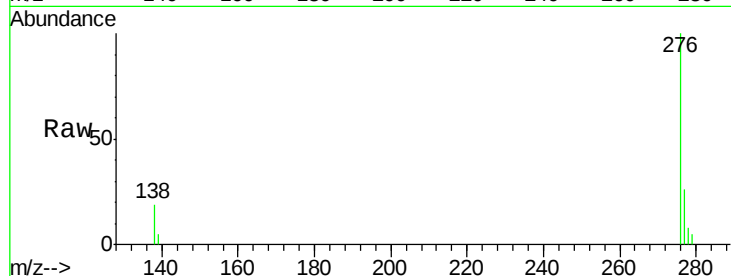
Acq: 19 Dec 2018 17:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



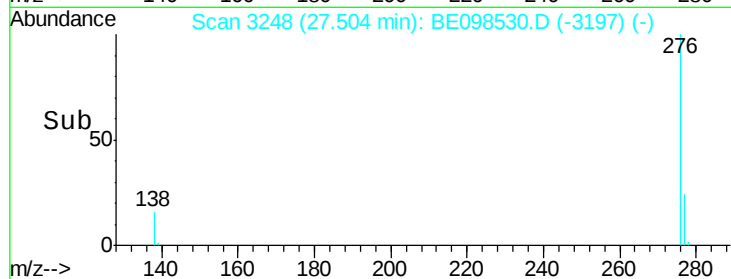
Tgt Ion: 276 Resp: 7228

Ion Ratio Lower Upper

276 100

277 26.2 20.8 31.2

138 19.2 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

