

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE112918\
 Data File : BE098272.D
 Acq On : 29 Nov 2018 13:58
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE112918

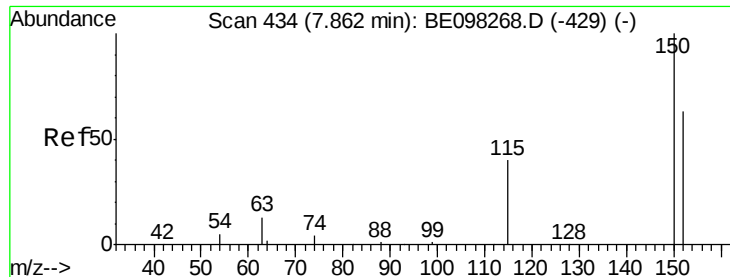
Quant Time: Nov 29 15:06:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE112918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 29 13:50:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1345	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5568	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3384	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	8780	0.40	ng	0.00
27) Chrysene-d12	21.46	240	12481	0.40	ng	0.00
34) Perylene-d12	24.02	264	12228	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	1395	0.39	ng	0.00
5) Phenol-d6	7.04	99	2051	0.41	ng	0.00
8) Nitrobenzene-d5	9.02	82	2277	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3492	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	592	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5474	0.39	ng	0.00
25) Fluoranthene-d10	19.31	212	47858	0.40	ng	0.00
29) Terphenyl-d14	19.91	244	9903	0.35	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	974	0.410	ng	96
3) n-Nitrosodimethylamine	3.68	42	940	0.364	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1752	0.376	ng	95
9) Naphthalene	10.72	128	22482	0.402	ng	100
10) Hexachlorobutadiene	10.99	225	1414	0.394	ng	97
12) 2-Methylnaphthalene	12.34	142	3503	0.377	ng	99
16) Acenaphthylene	14.26	152	6150	0.389	ng	99
17) Acenaphthene	14.60	154	3760	0.399	ng	99
18) Fluorene	15.58	166	4861	0.389	ng	98
20) 4-Bromophenyl-phenylether	16.46	248	1894	0.381	ng	95
21) Hexachlorobenzene	16.58	284	2028	0.395	ng	96
22) Pentachlorophenol	16.94	266	619	0.393	ng	96
23) Phenanthrene	17.33	178	8548	0.392	ng	100
24) Anthracene	17.42	178	7765	0.382	ng	100
26) Fluoranthene	19.34	202	11922	0.401	ng	100
28) Pyrene	19.71	202	12725	0.368	ng	100
30) Benzo(a)anthracene	21.45	228	13966	0.380	ng	99
31) Chrysene	21.50	228	14509	0.389	ng	97
32) Bis(2-ethylhexyl)phthalate	21.37	149	33771	0.384	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	15515	0.411	ng	99
35) Benzo(b)fluoranthene	23.23	252	13638	0.380	ng	99
36) Benzo(k)fluoranthene	23.28	252	14933	0.397	ng	99
37) Benzo(a)pyrene	23.90	252	13495	0.391	ng	99
38) Dibenzo(a,h)anthracene	26.73	278	12855	0.393	ng	99
39) Benzo(g,h,i)perylene	27.53	276	12782	0.390	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098272.D

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Instrument :

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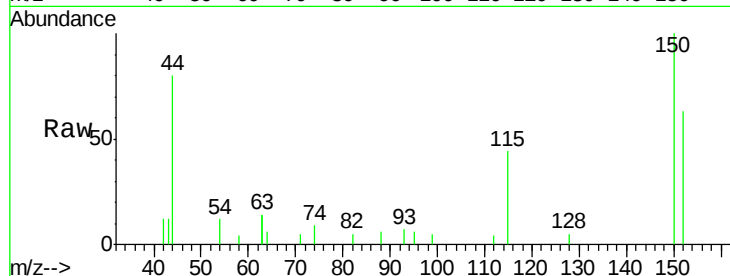
Tgt Ion:152 Resp: 1345

Ion Ratio Lower Upper

152 100

150 157.9 124.2 186.4

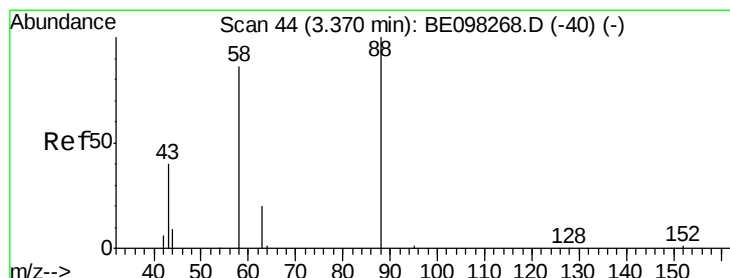
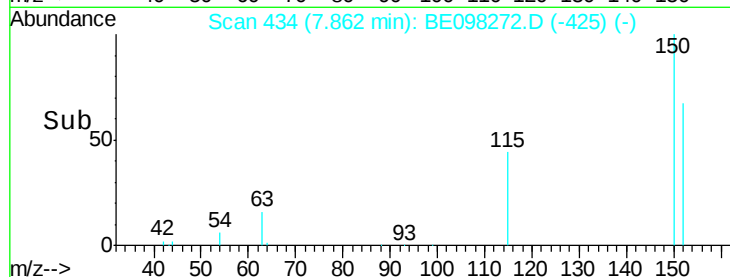
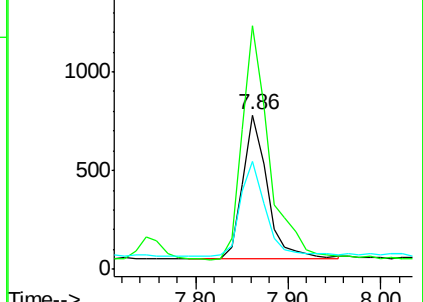
115 70.0 53.9 80.9



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: 0.410 ng

RT: 3.37 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

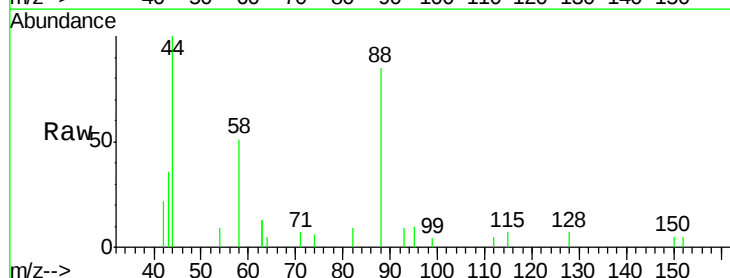
Tgt Ion: 88 Resp: 974

Ion Ratio Lower Upper

88 100

58 97.0 75.0 112.6

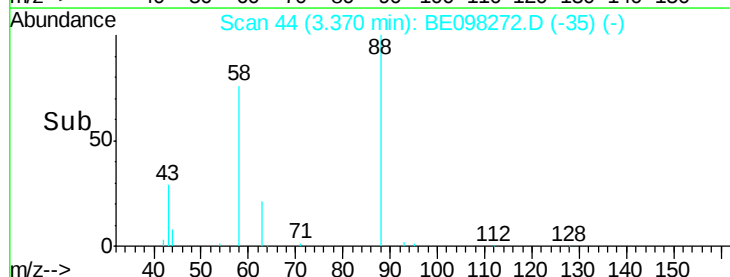
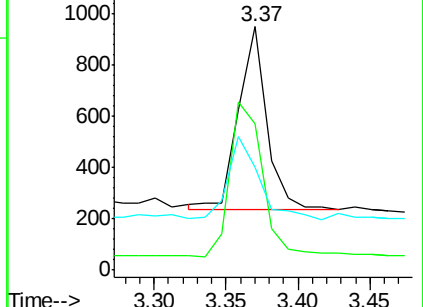
43 50.7 38.3 57.5

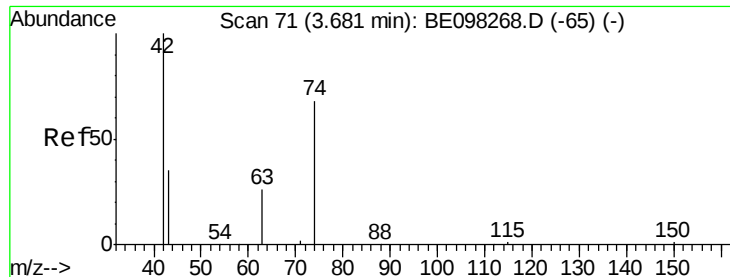


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

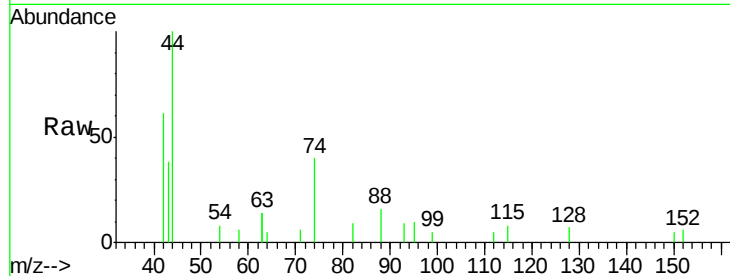




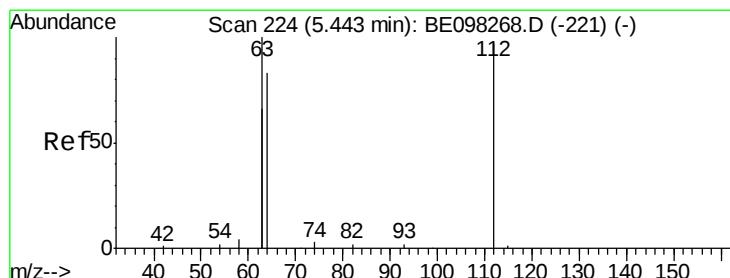
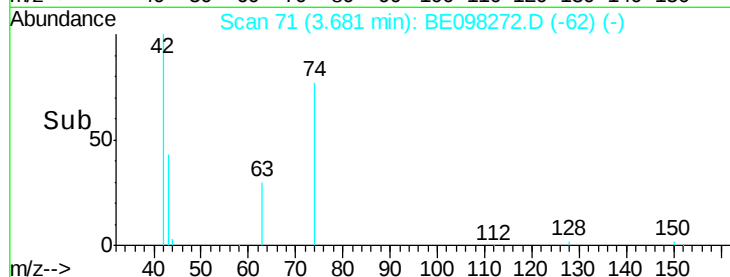
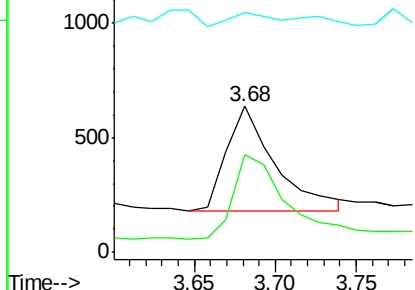
#3
 n-Nitrosodimethylamine
 Concen: 0.364 ng
 RT: 3.68 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: BE098272.D
 Acq: 29 Nov 2018 13:58

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE112918

Tgt Ion: 42 Resp: 940
 Ion Ratio Lower Upper
 42 100
 74 86.3 0.0 0.0#
 44 12.3 0.0 0.0#

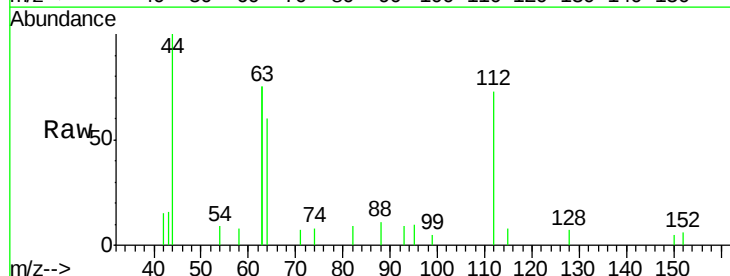


Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0

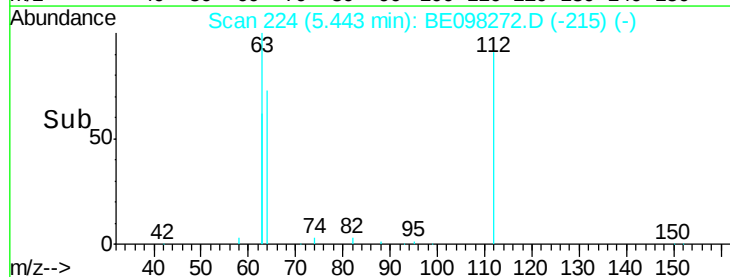
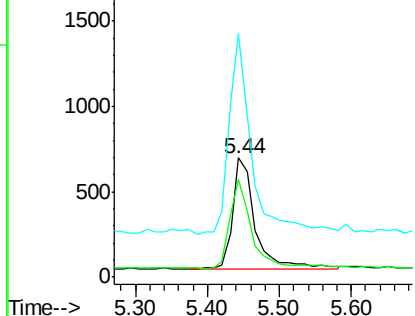


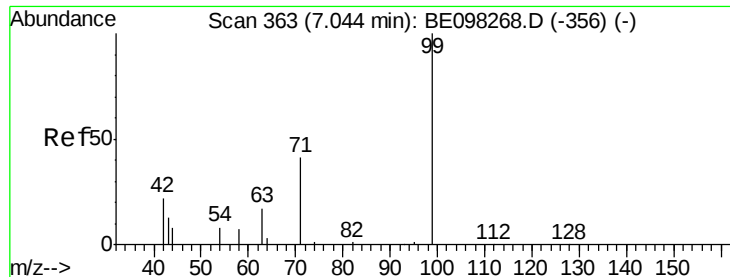
#4
 2-Fluorophenol
 Concen: 0.388 ng
 RT: 5.44 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: BE098272.D
 Acq: 29 Nov 2018 13:58

Tgt Ion: 112 Resp: 1395
 Ion Ratio Lower Upper
 112 100
 64 83.4 59.8 89.8
 63 186.5 133.7 200.5



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: 0.405 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

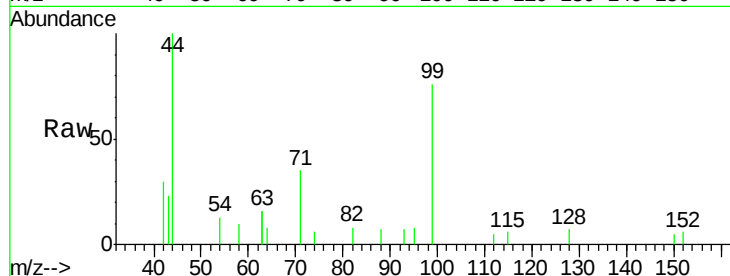
Tgt Ion: 99 Resp: 2051

Ion Ratio Lower Upper

99 100

42 30.1 26.3 39.5

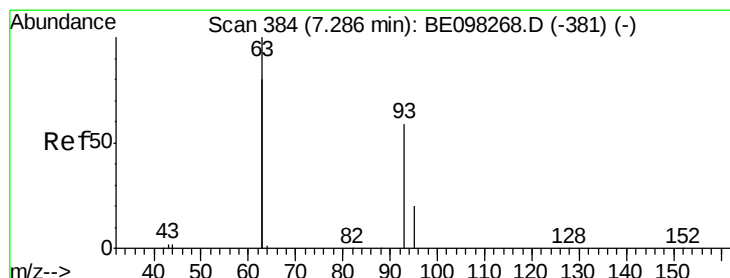
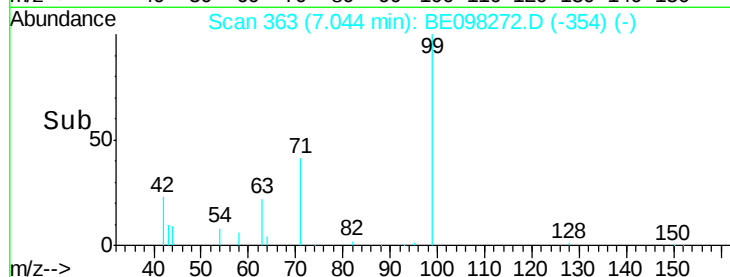
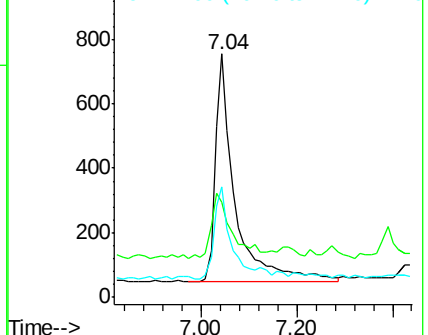
71 38.2 33.6 50.4



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: 0.376 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

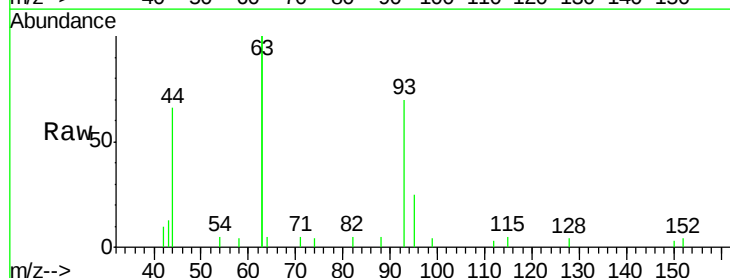
Tgt Ion: 93 Resp: 1752

Ion Ratio Lower Upper

93 100

63 340.7 264.4 396.6

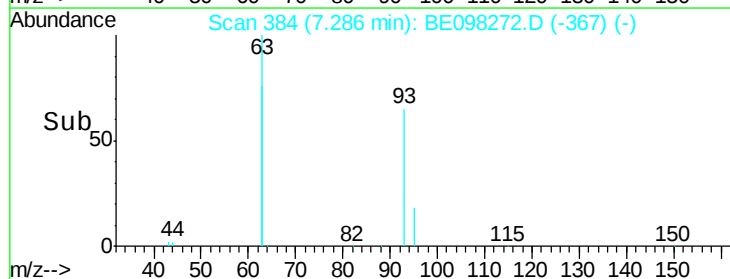
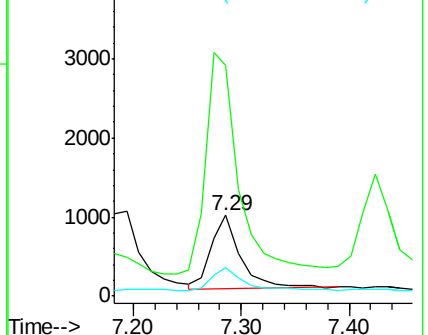
95 35.0 26.6 40.0

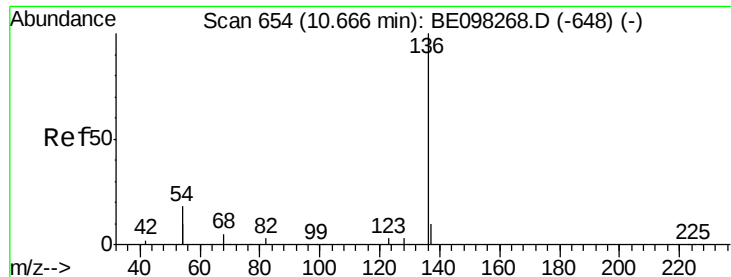


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

Tgt Ion:136 Resp: 5568

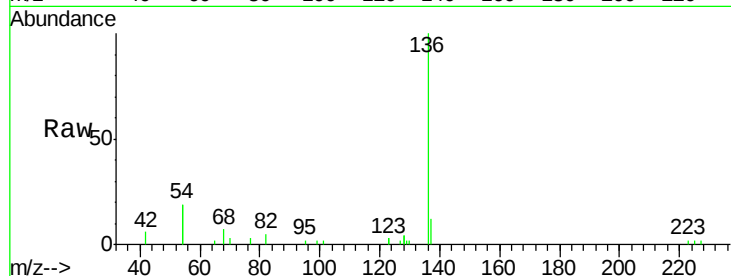
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 38.8 28.4 42.6

68 7.3 5.4 8.0

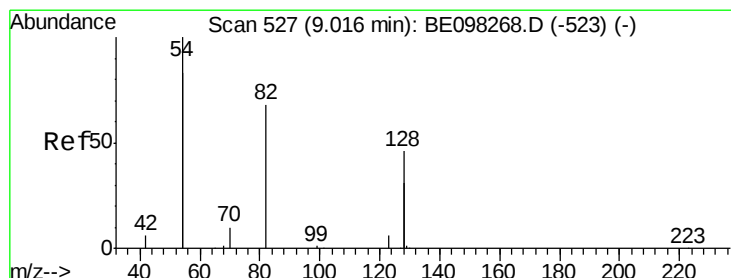
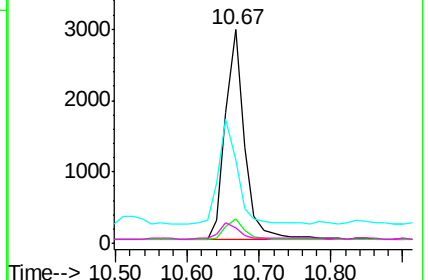
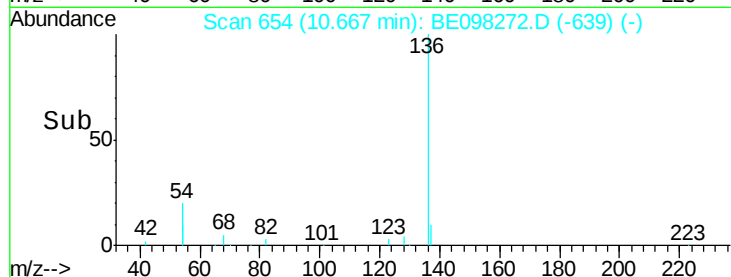


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.404 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

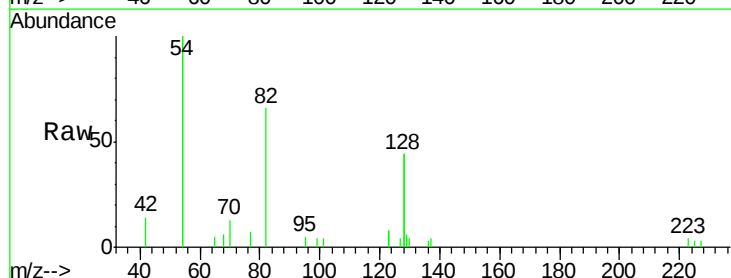
Tgt Ion: 82 Resp: 2277

Ion Ratio Lower Upper

82 100

128 134.4 102.4 153.6

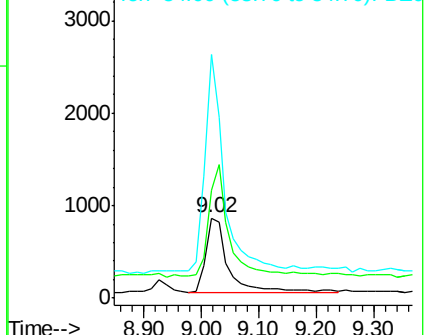
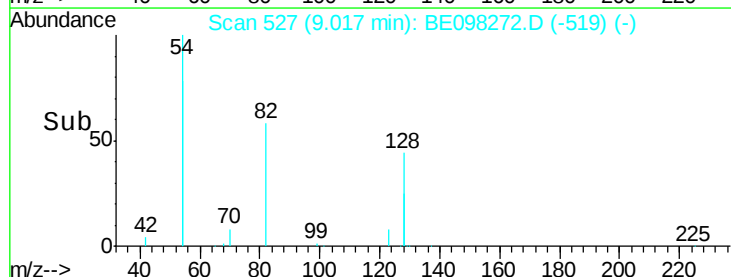
54 305.0 221.8 332.8

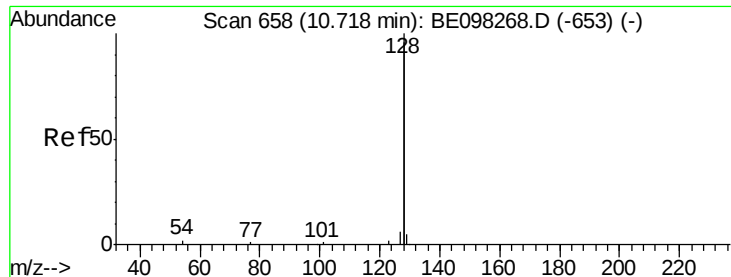


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.402 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

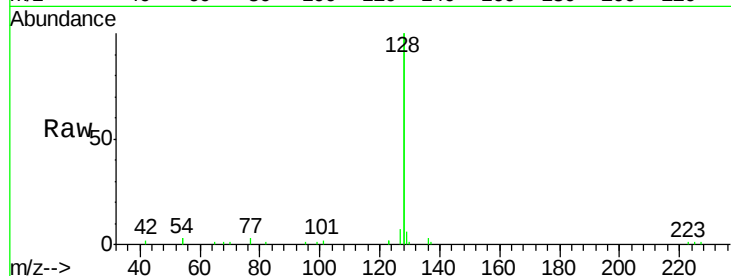
Tgt Ion:128 Resp: 22482

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

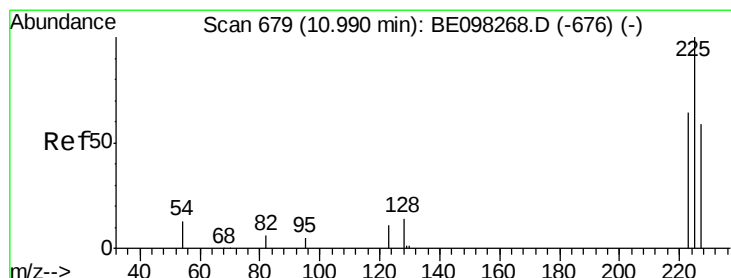
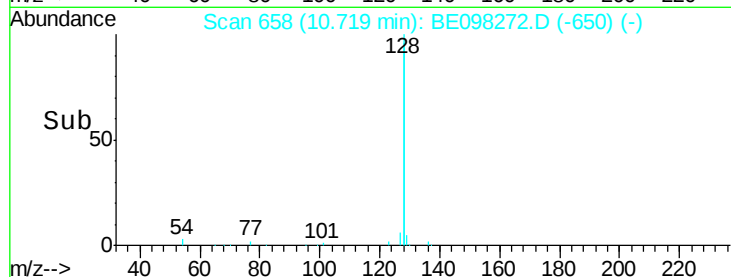
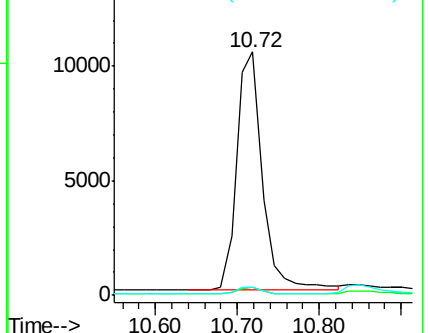
127 3.5 2.7 4.1



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: 0.394 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

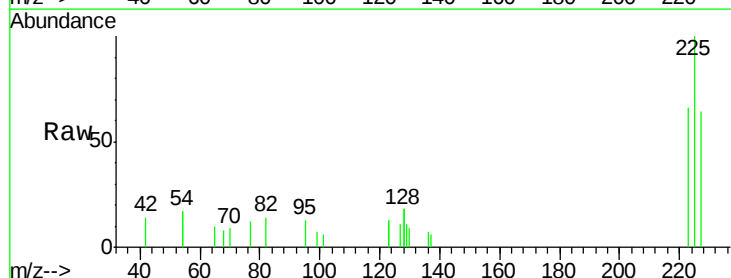
Tgt Ion:225 Resp: 1414

Ion Ratio Lower Upper

225 100

223 66.1 49.4 74.0

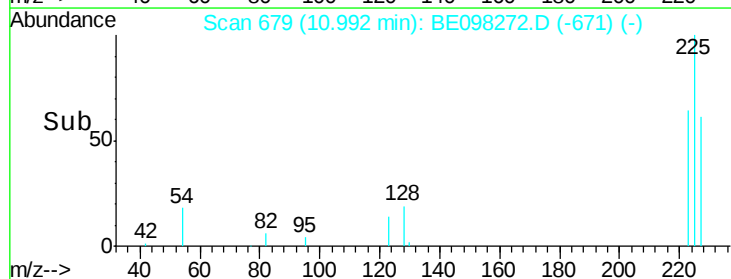
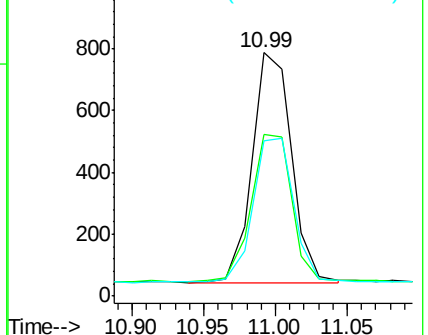
227 64.9 52.0 78.0

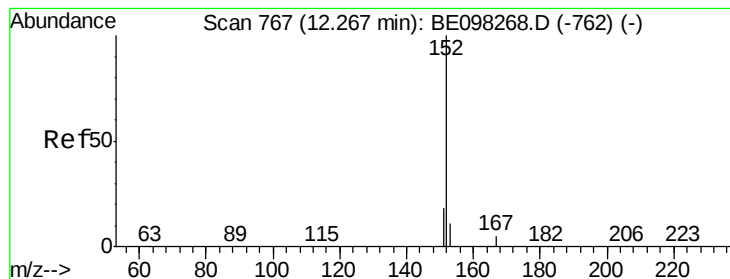


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.386 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

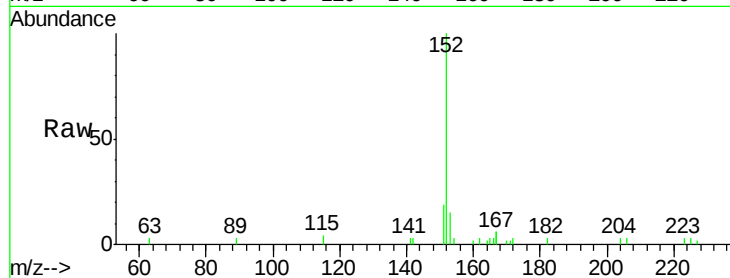
ICVBE112918

Tgt Ion:152 Resp: 3492

Ion Ratio Lower Upper

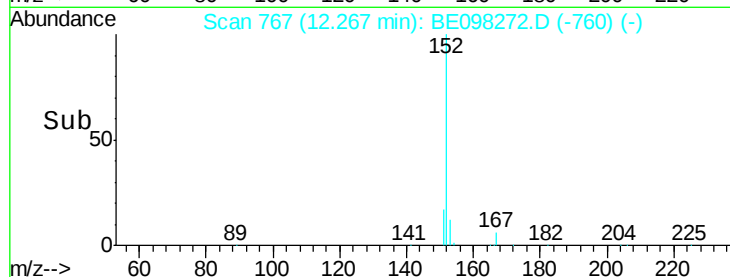
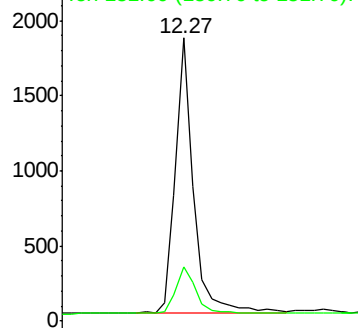
152 100

151 18.9 16.2 24.4

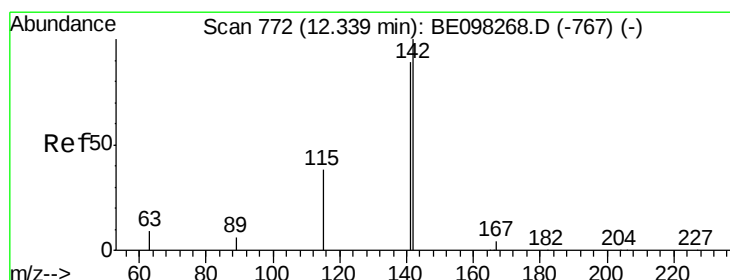


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.377 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

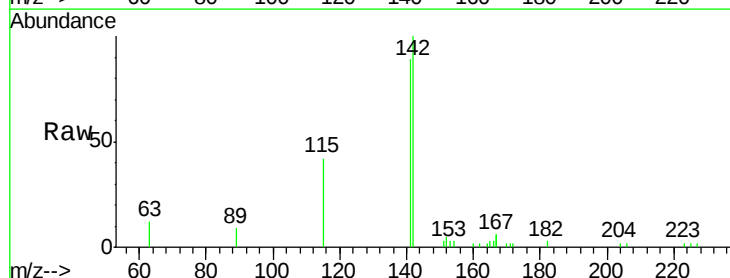
Tgt Ion:142 Resp: 3503

Ion Ratio Lower Upper

142 100

141 89.5 71.0 106.6

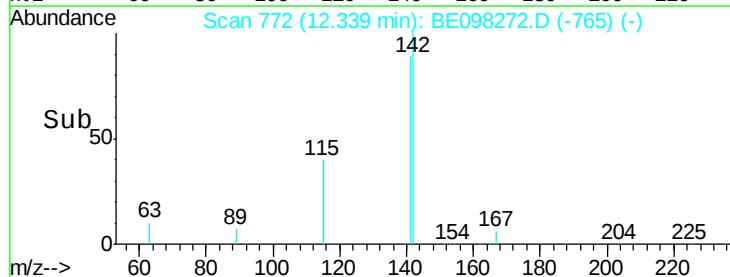
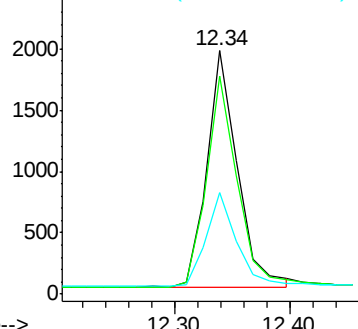
115 41.8 32.2 48.2



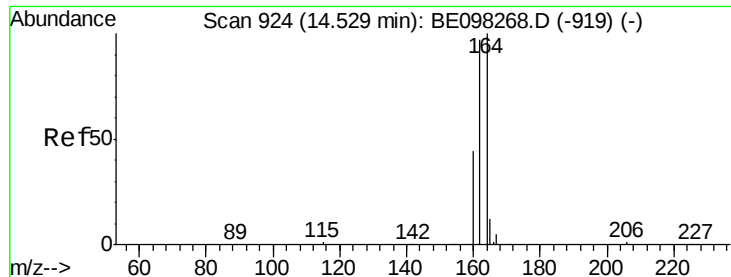
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



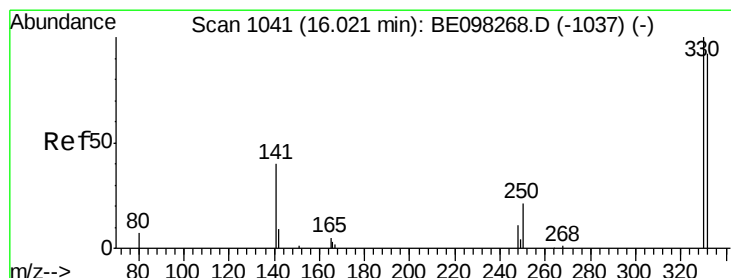
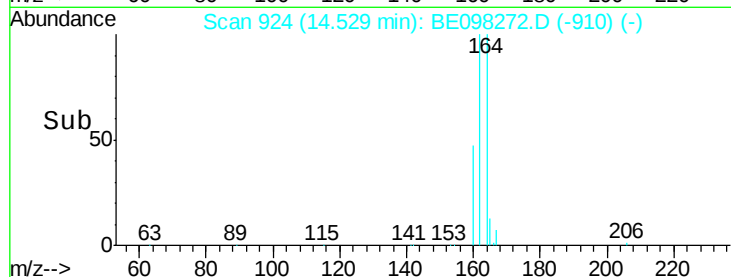
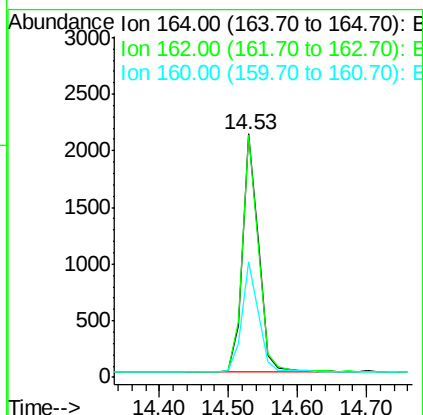
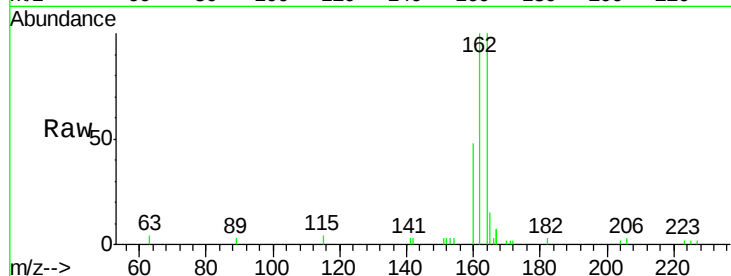
Time-->



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098272.D
Acq: 29 Nov 2018 13:58

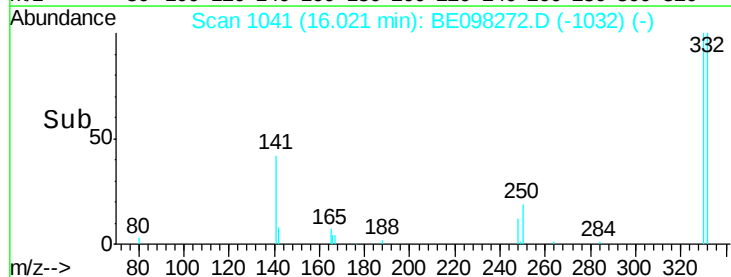
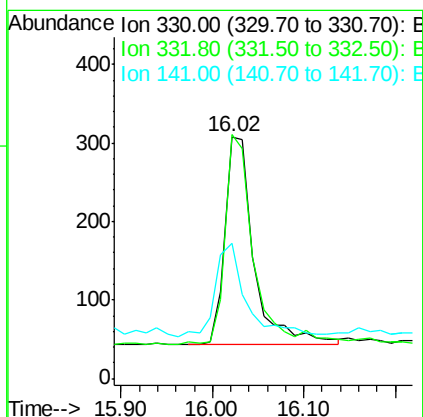
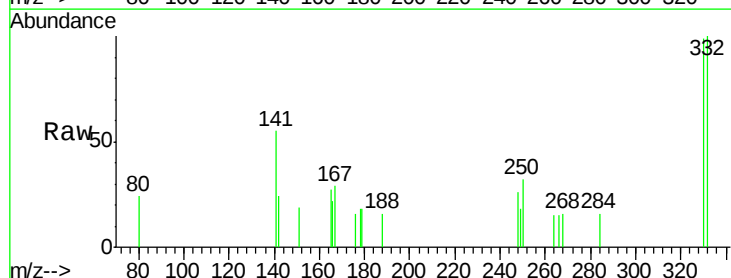
Instrument :
BNA_E
ClientSampleId :
ICVBE112918

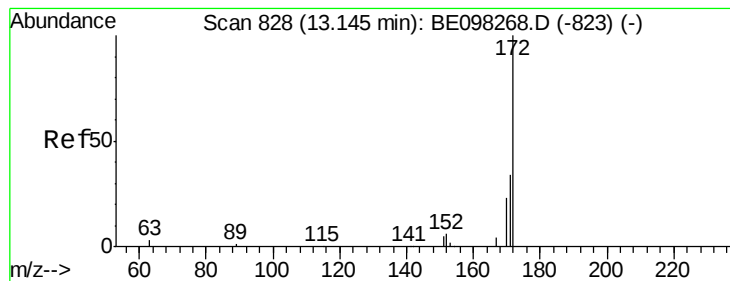
Tgt Ion:164 Resp: 3384
Ion Ratio Lower Upper
164 100
162 99.7 77.6 116.4
160 47.7 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098272.D
Acq: 29 Nov 2018 13:58

Tgt Ion:330 Resp: 592
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 47.3 39.0 58.4





#15

2-Fluorobiphenyl

Concen: 0.391 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

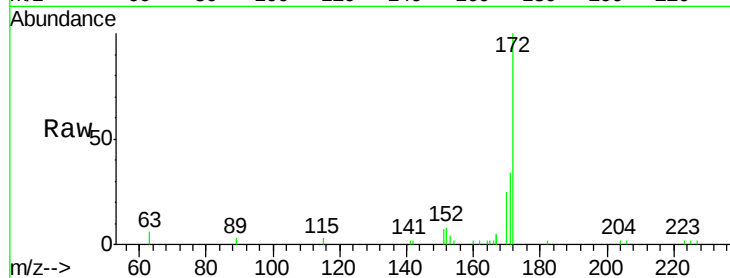
Tgt Ion:172 Resp: 5474

Ion Ratio Lower Upper

172 100

171 34.4 27.5 41.3

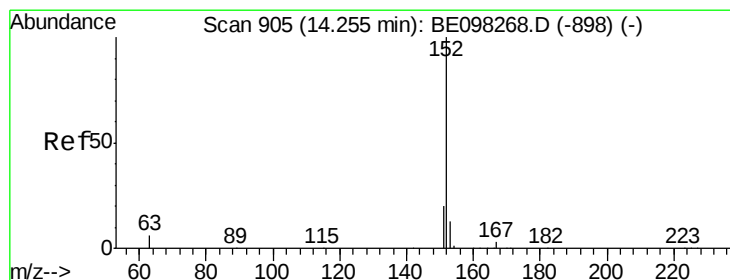
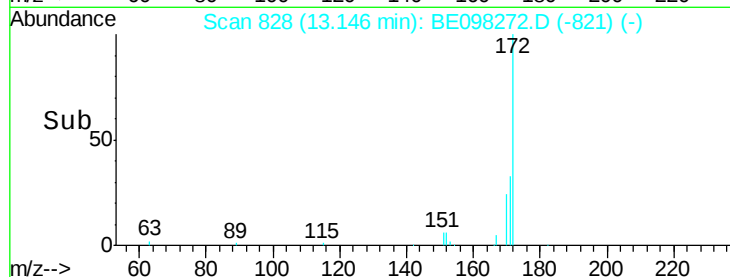
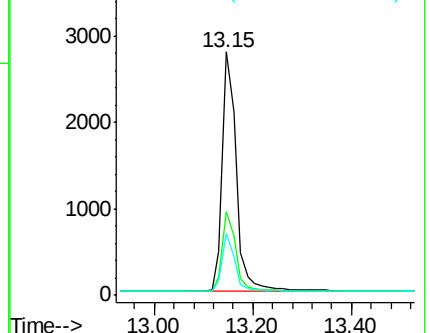
170 25.4 19.6 29.4



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: 0.389 ng

RT: 14.26 min Scan# 905

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

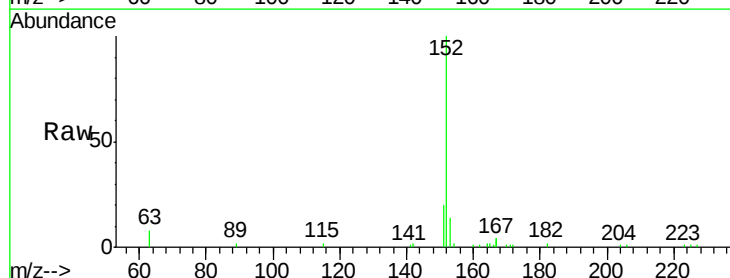
Tgt Ion:152 Resp: 6150

Ion Ratio Lower Upper

152 100

151 20.2 15.5 23.3

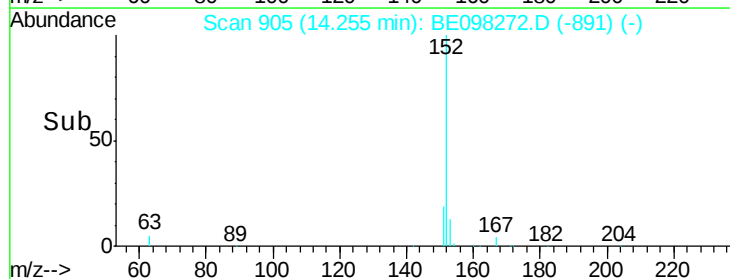
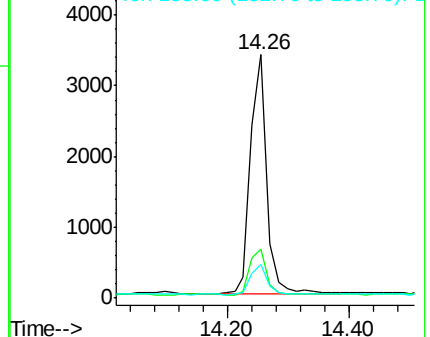
153 13.4 10.6 16.0

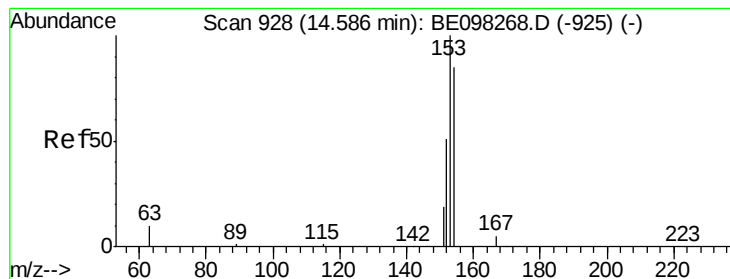


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.399 ng

RT: 14.60 min Scan# 929

Delta R.T. 0.01 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

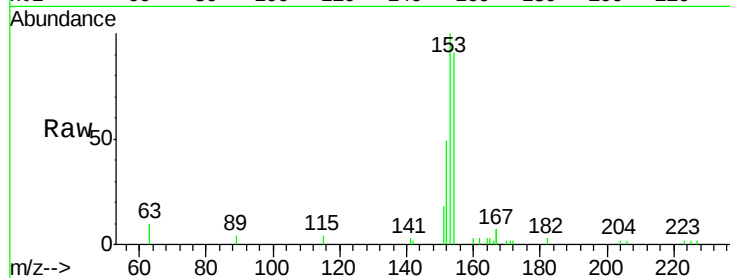
Tgt Ion:154 Resp: 3760

Ion Ratio Lower Upper

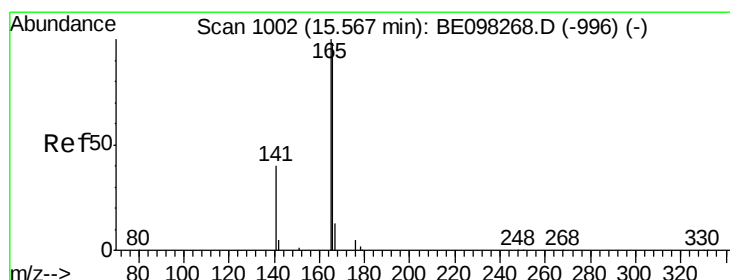
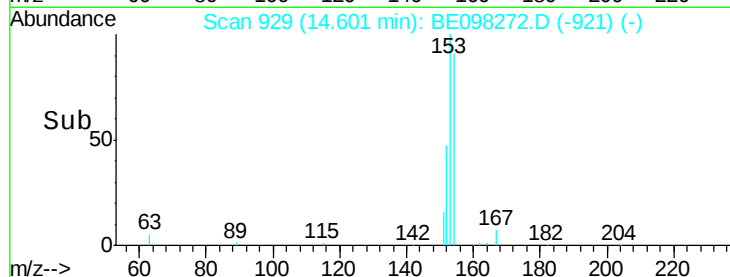
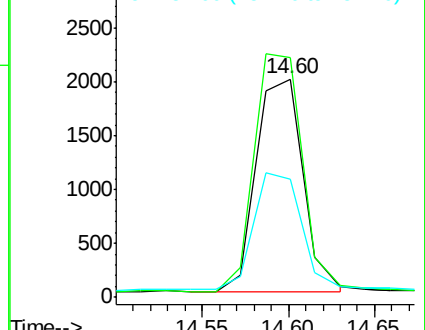
154 100

153 114.5 91.8 137.6

152 55.4 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: 0.389 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

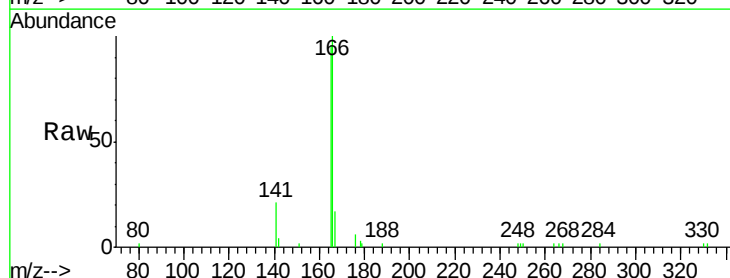
Tgt Ion:166 Resp: 4861

Ion Ratio Lower Upper

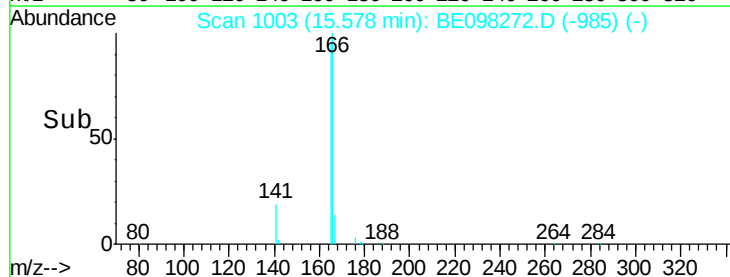
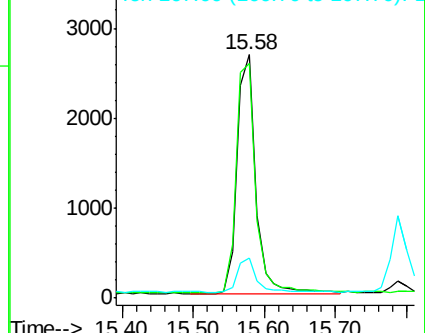
166 100

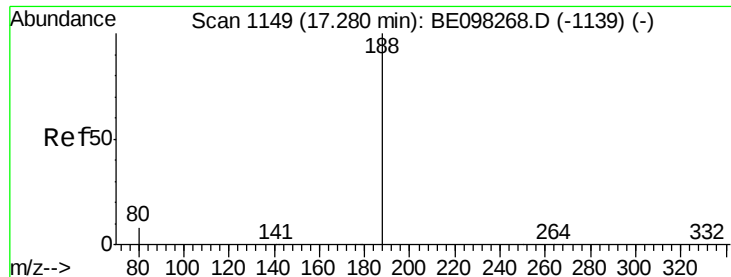
165 100.5 79.3 118.9

167 15.1 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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

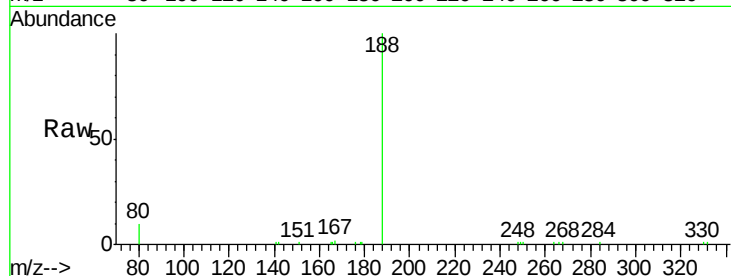
Tgt Ion:188 Resp: 8780

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

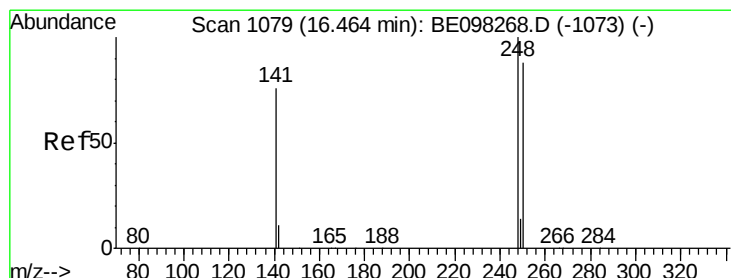
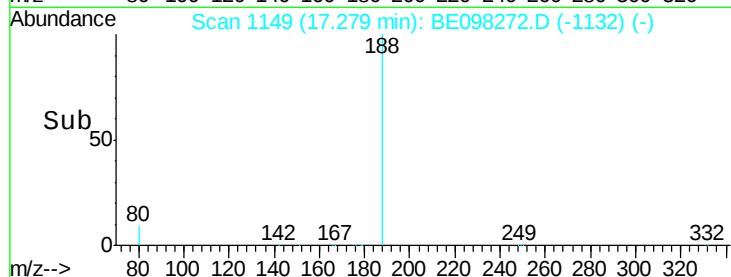
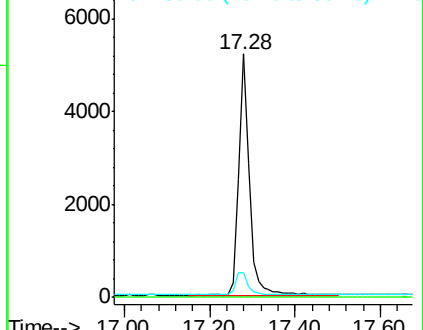
80 10.0 7.2 10.8



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: 0.381 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

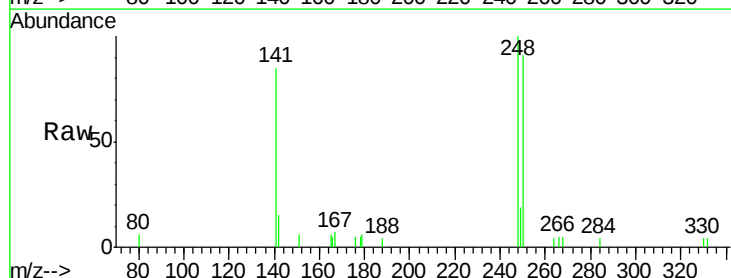
Tgt Ion:248 Resp: 1894

Ion Ratio Lower Upper

248 100

250 90.7 71.0 106.6

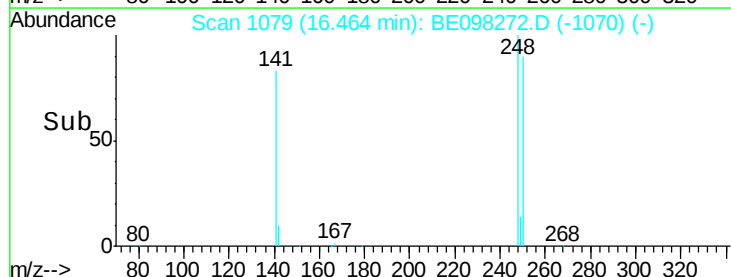
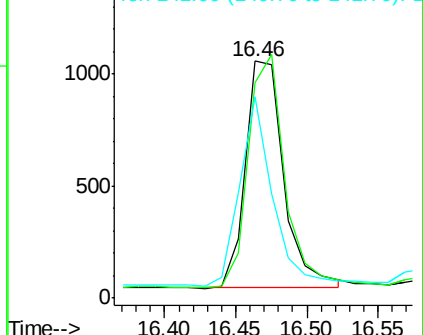
141 85.0 62.1 93.1

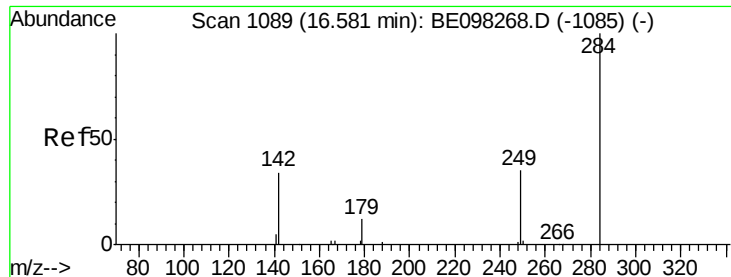


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.395 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

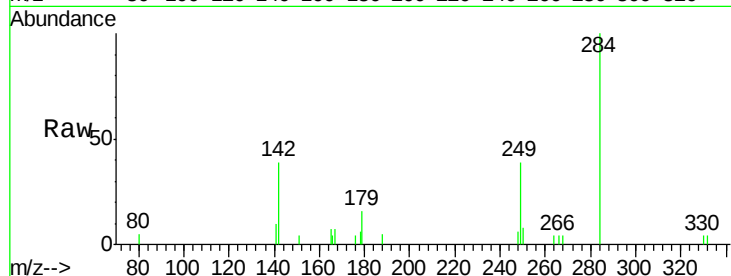
Tgt Ion:284 Resp: 2028

Ion Ratio Lower Upper

284 100

142 36.5 26.3 39.5

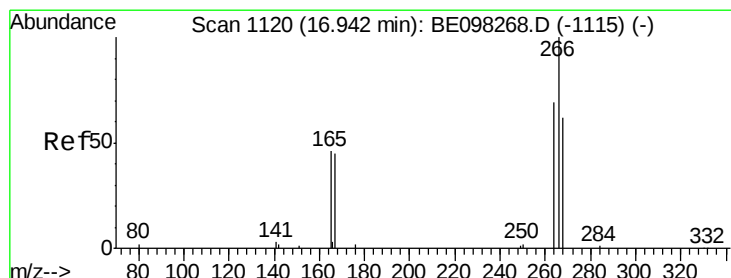
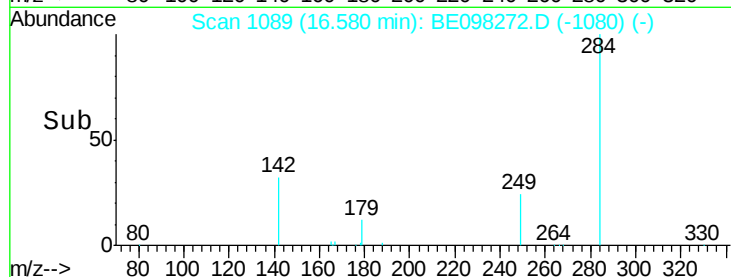
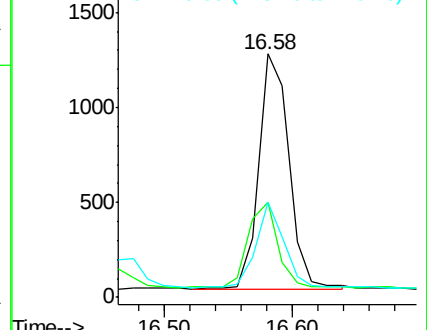
249 33.8 26.0 39.0



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: 0.393 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

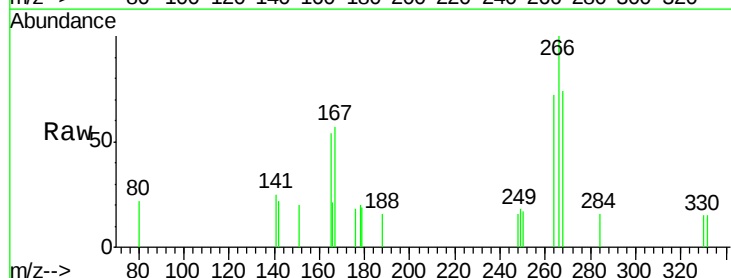
Tgt Ion:266 Resp: 619

Ion Ratio Lower Upper

266 100

264 71.5 59.0 88.4

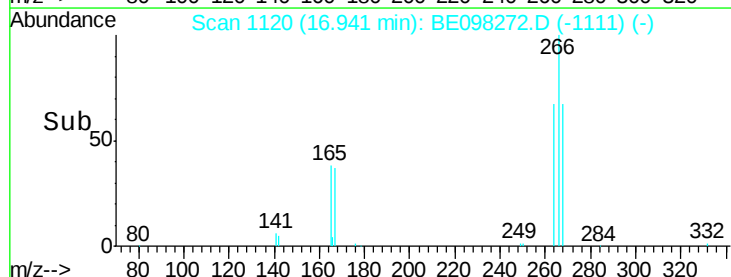
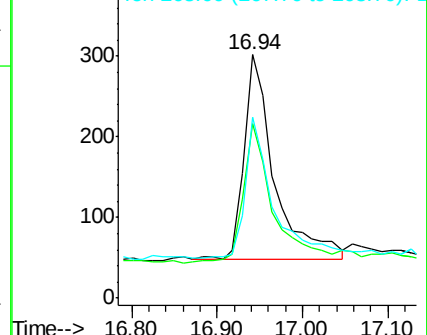
268 74.2 55.1 82.7

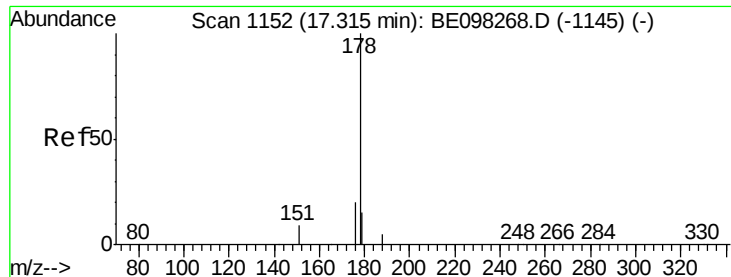


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.392 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

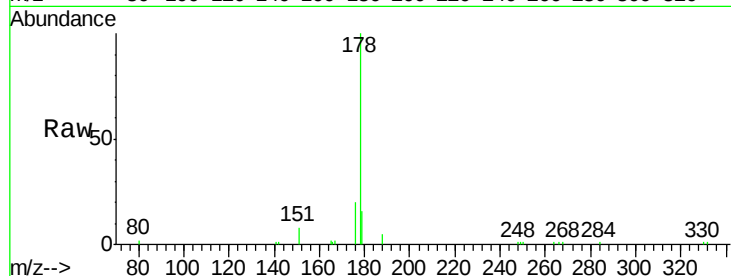
Tgt Ion:178 Resp: 8548

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

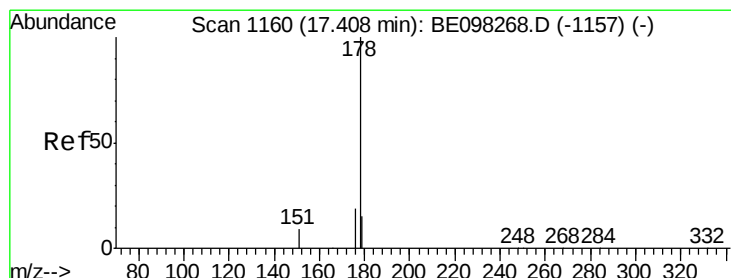
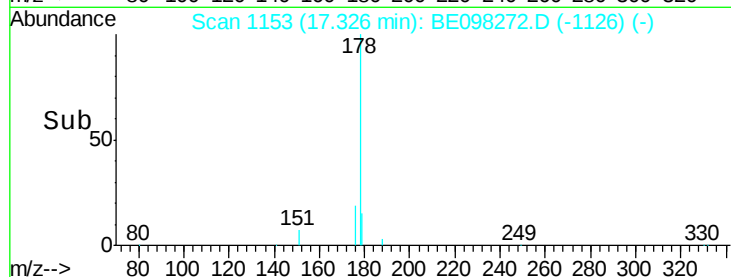
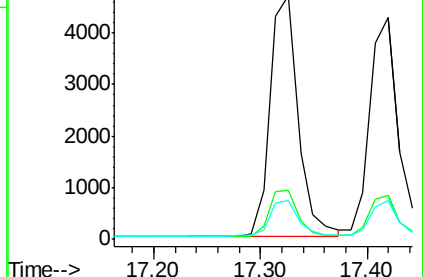
179 15.7 12.3 18.5



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: 0.382 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

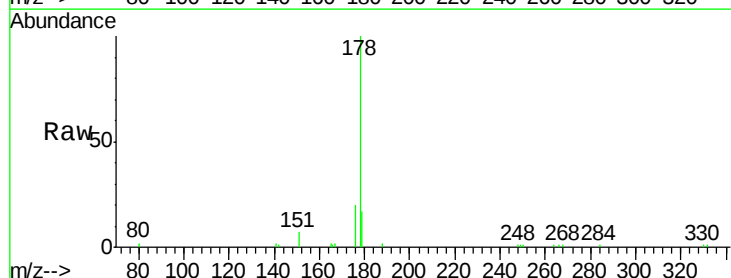
Tgt Ion:178 Resp: 7765

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

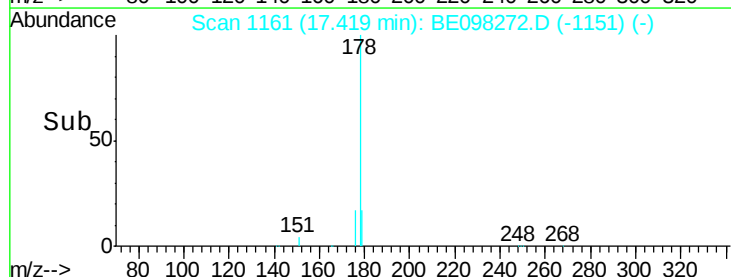
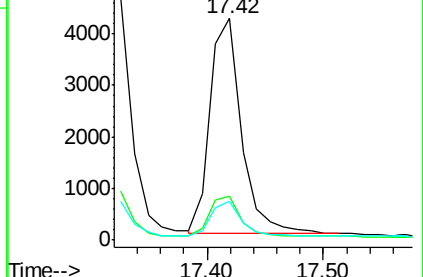
179 15.5 12.3 18.5

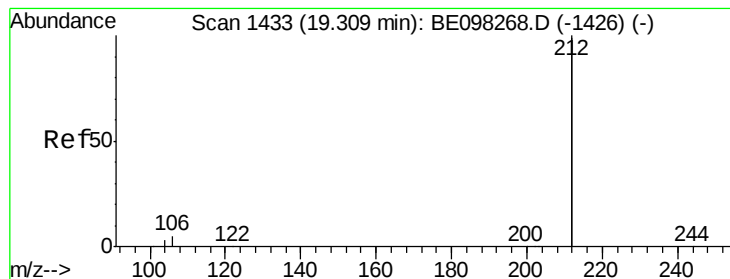


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.31 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

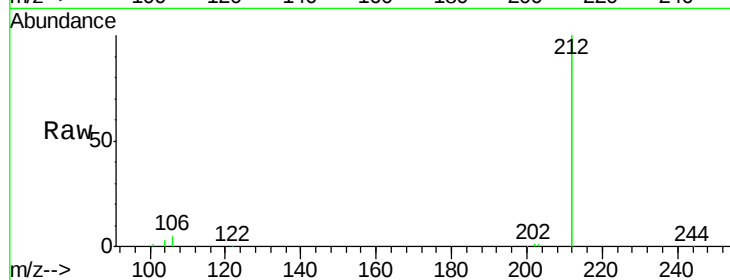
Tgt Ion:212 Resp: 47858

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

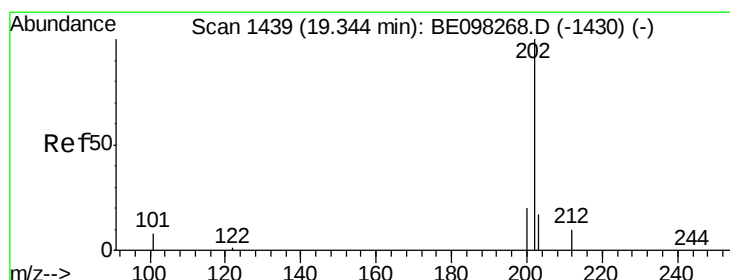
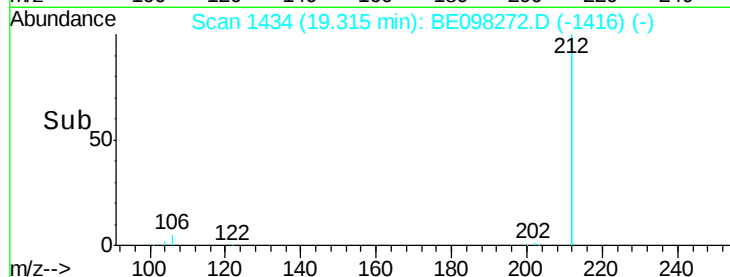
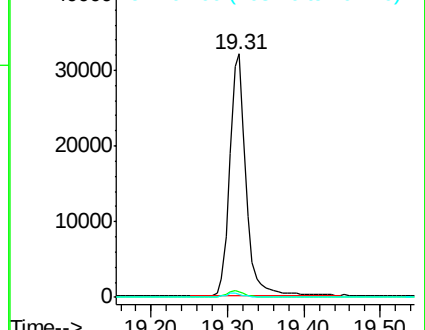
104 1.6 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.401 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

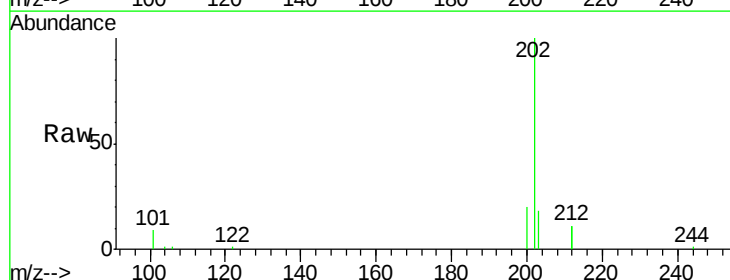
Tgt Ion:202 Resp: 11922

Ion Ratio Lower Upper

202 100

101 10.2 8.0 12.0

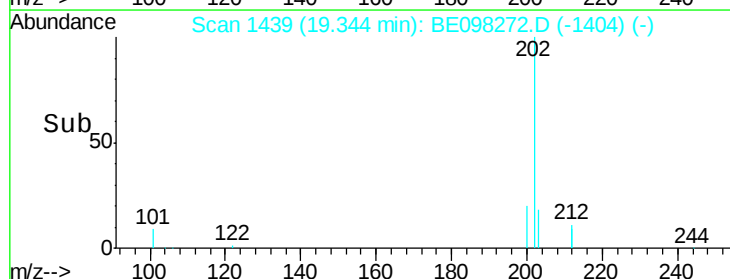
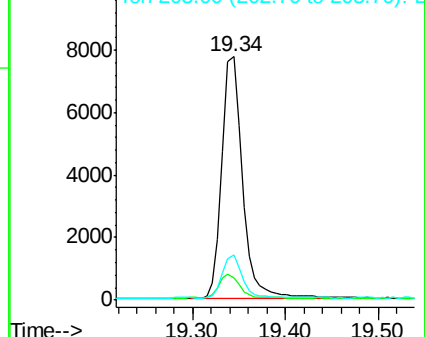
203 17.4 13.8 20.6

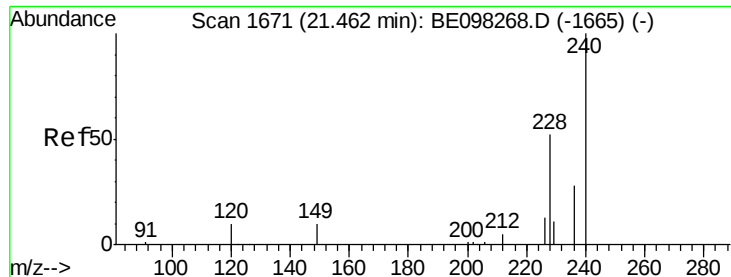


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

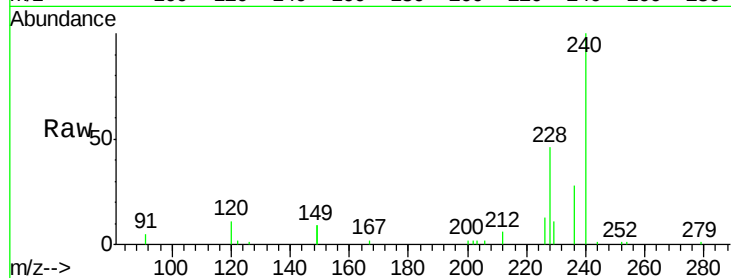
Tgt Ion:240 Resp: 12481

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

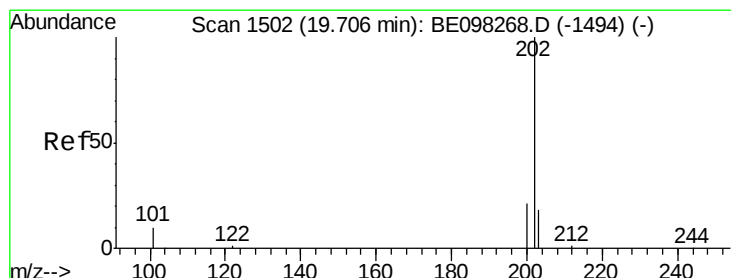
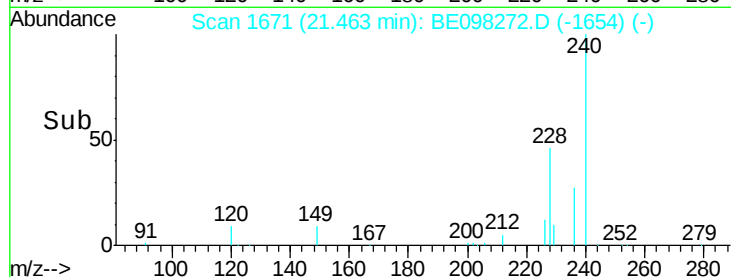
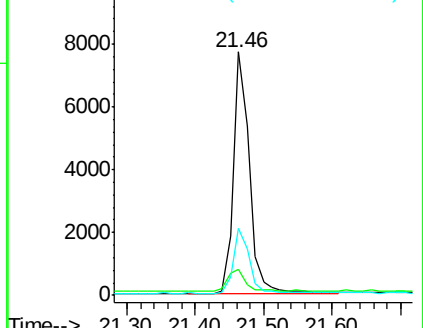
236 27.5 22.7 34.1



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: 0.368 ng

RT: 19.71 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

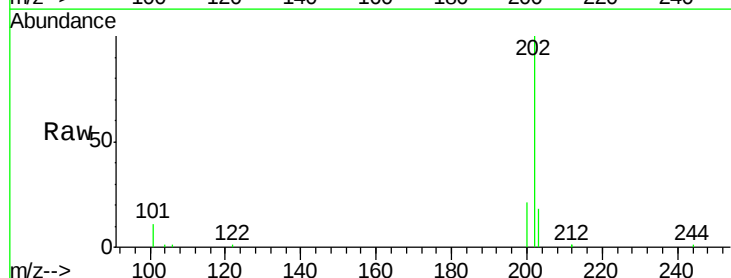
Tgt Ion:202 Resp: 12725

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

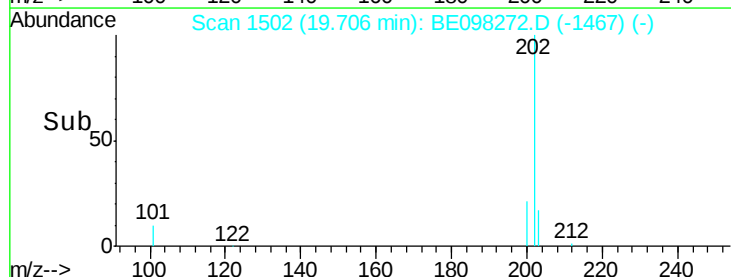
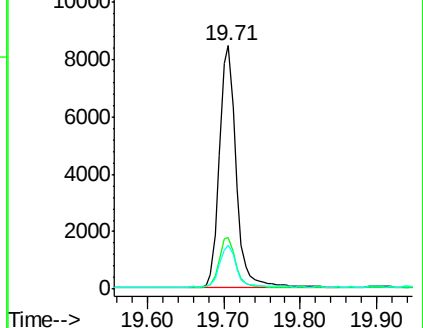
203 17.9 14.1 21.1

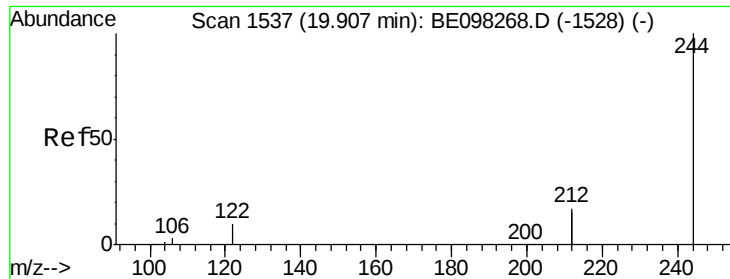


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.353 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

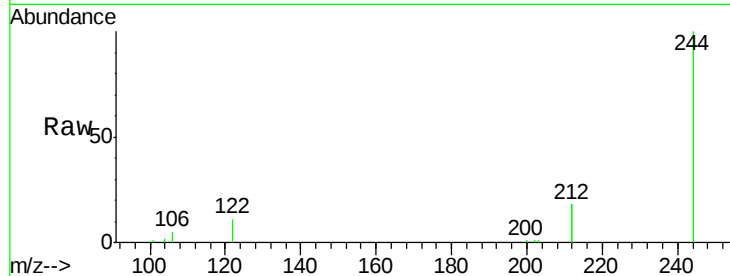
Tgt Ion:244 Resp: 9903

Ion Ratio Lower Upper

244 100

212 35.6 27.4 41.0

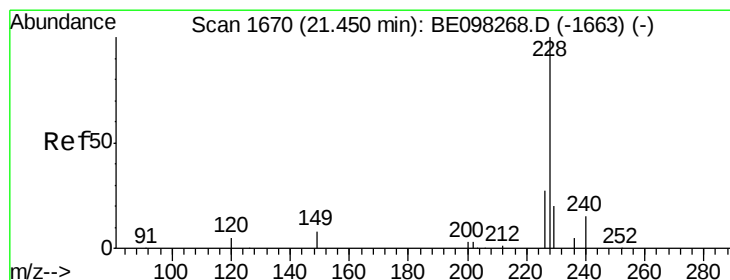
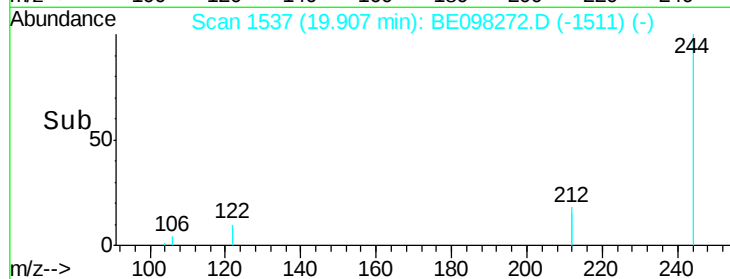
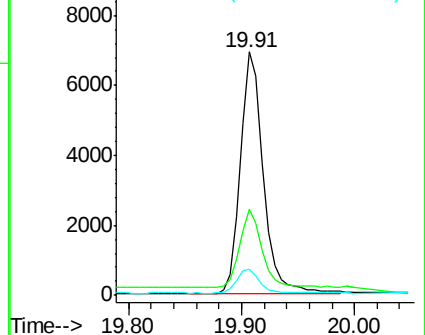
122 10.7 8.3 12.5



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: 0.380 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

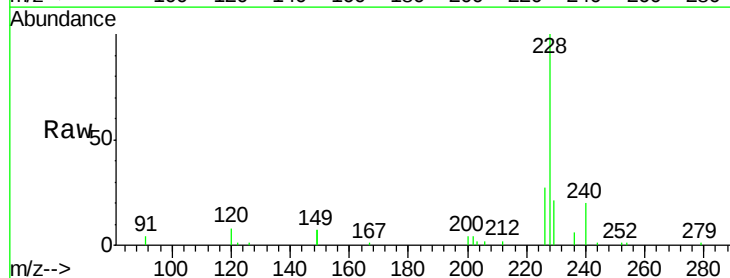
Tgt Ion:228 Resp: 13966

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

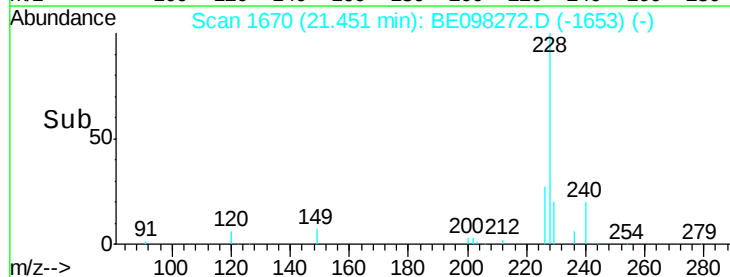
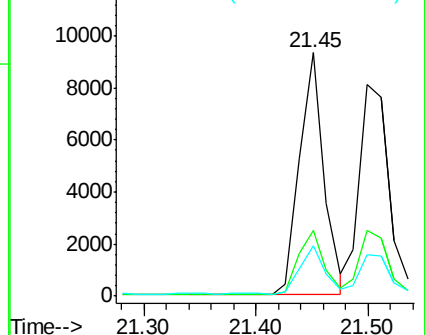
229 20.8 16.3 24.5

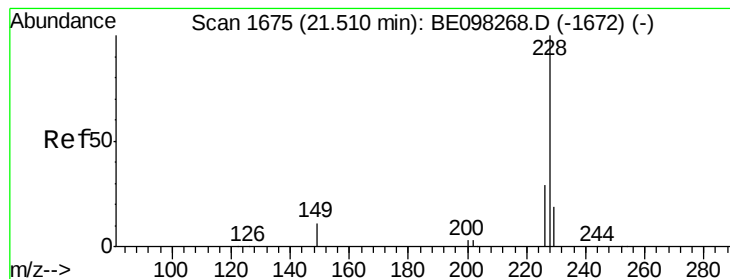


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.389 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.01 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

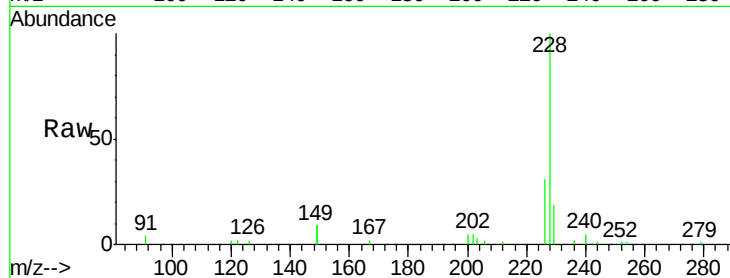
Tgt Ion:228 Resp: 14509

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

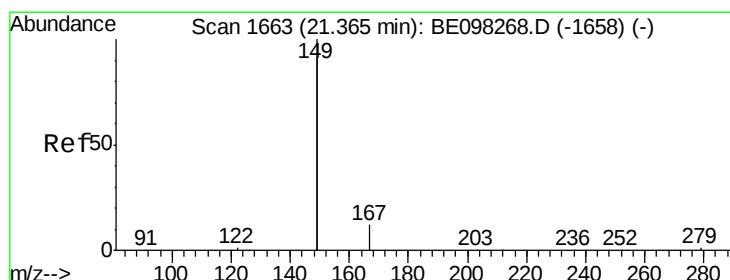
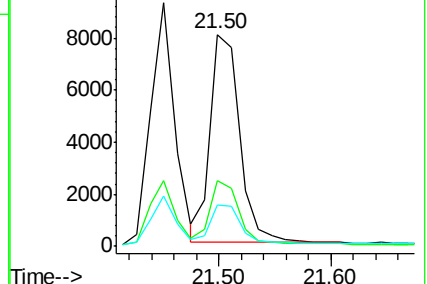
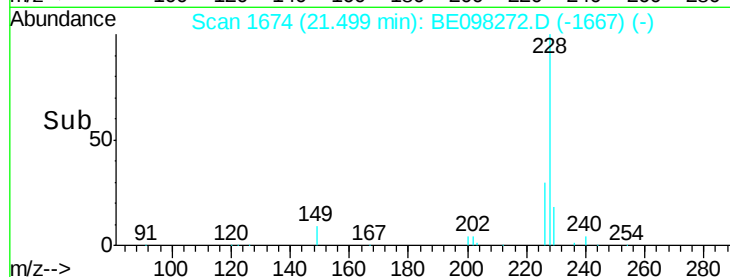
229 19.3 16.2 24.4



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: 0.384 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

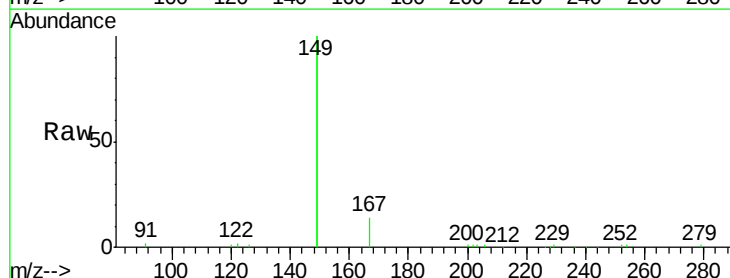
Tgt Ion:149 Resp: 33771

Ion Ratio Lower Upper

149 100

167 6.8 5.7 8.5

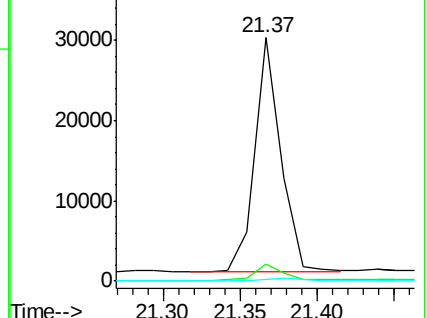
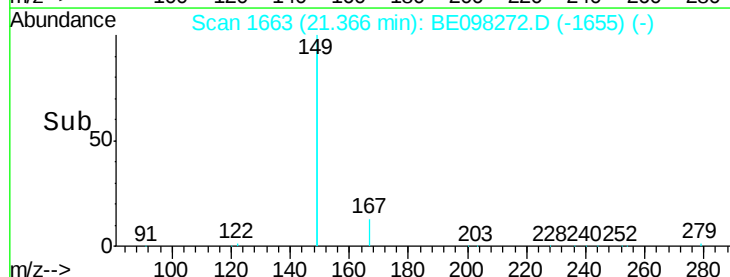
279 1.0 1.0 1.4

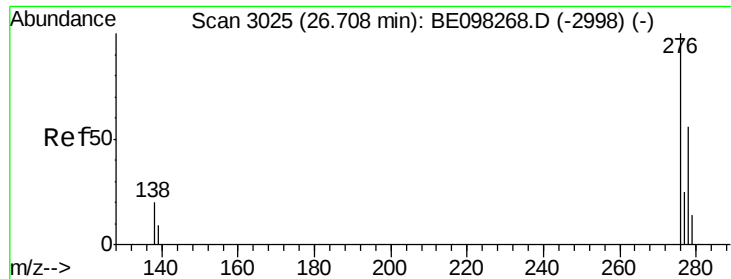


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

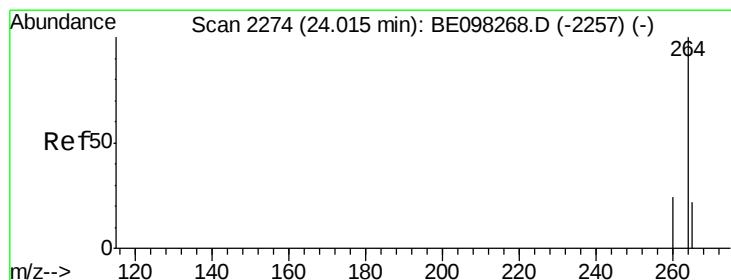
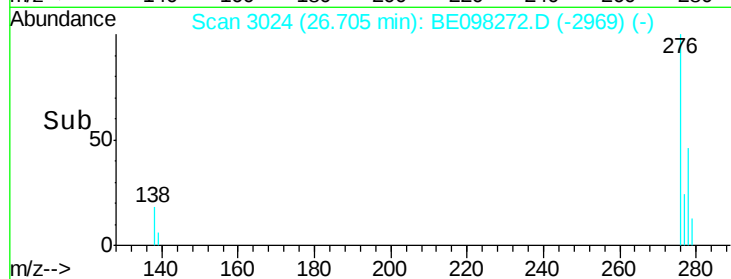
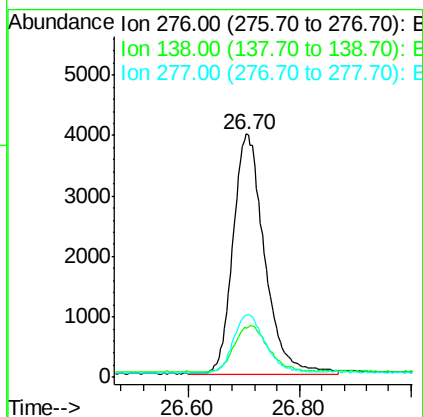
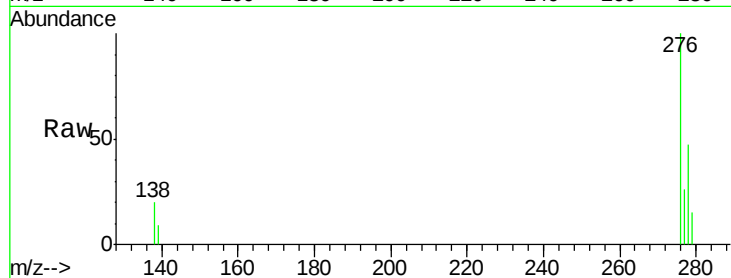




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.411 ng
RT: 26.70 min Scan# 3024
Delta R.T. -0.00 min
Lab File: BE098272.D
Acq: 29 Nov 2018 13:58

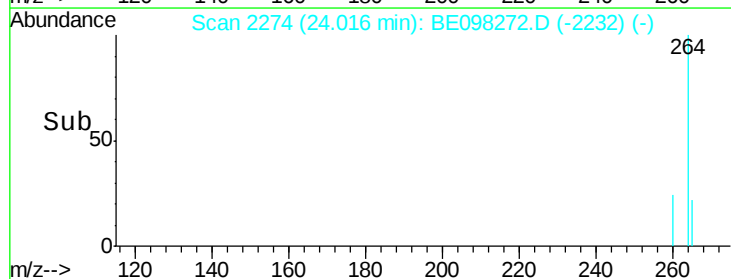
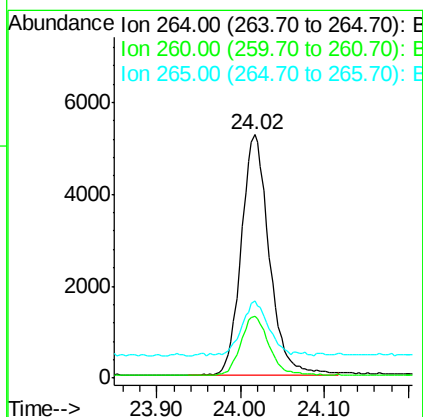
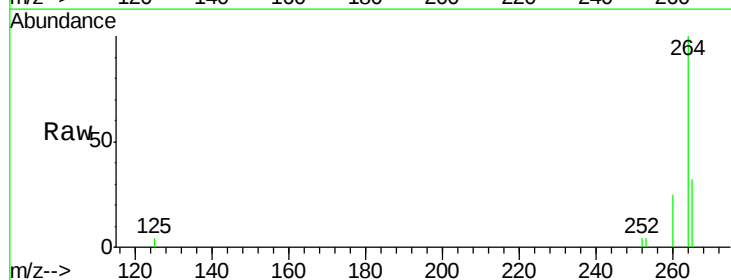
Instrument :
BNA_E
ClientSampleId :
ICVBE112918

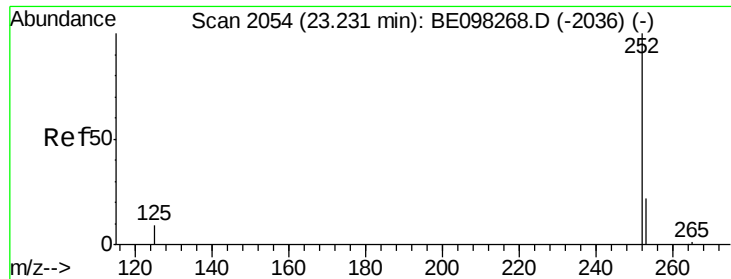
Tgt Ion: 276 Resp: 15515
Ion Ratio Lower Upper
276 100
138 20.9 16.3 24.5
277 24.6 20.2 30.4



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BE098272.D
Acq: 29 Nov 2018 13:58

Tgt Ion: 264 Resp: 12228
Ion Ratio Lower Upper
264 100
260 25.2 20.2 30.2
265 31.7 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.380 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

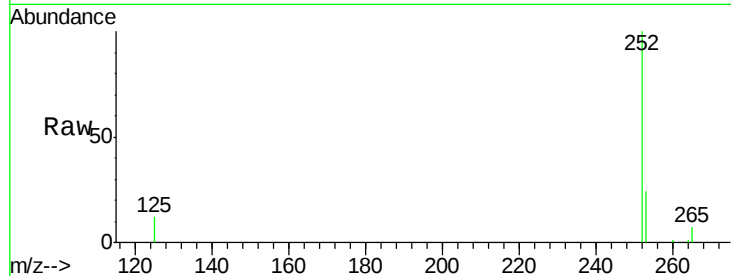
Tgt Ion:252 Resp: 13638

Ion Ratio Lower Upper

252 100

253 24.0 20.0 30.0

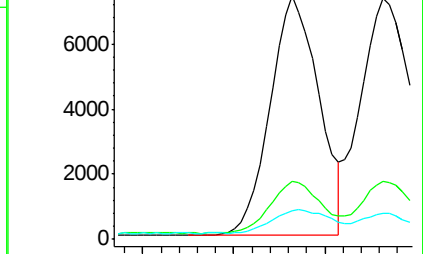
125 11.9 9.6 14.4



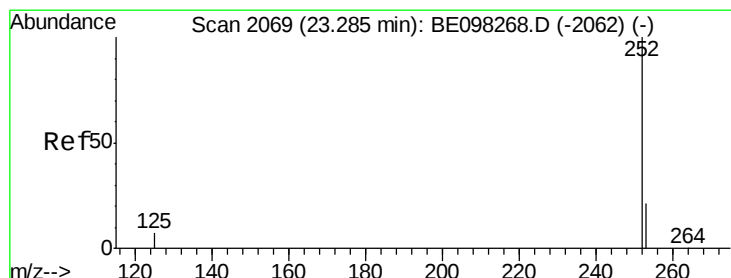
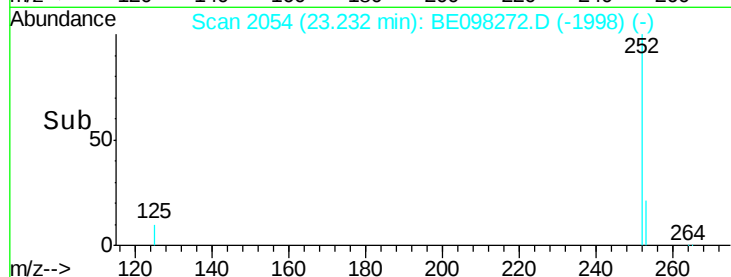
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#36

Benzo(k)fluoranthene

Concen: 0.397 ng

RT: 23.28 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

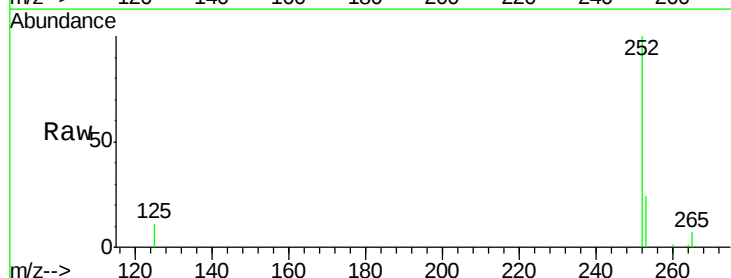
Tgt Ion:252 Resp: 14933

Ion Ratio Lower Upper

252 100

253 24.2 19.0 28.6

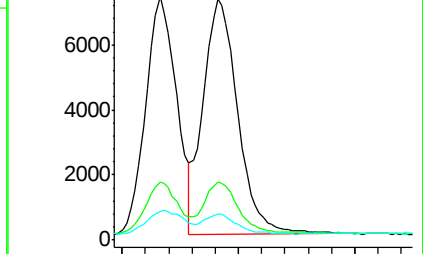
125 10.6 9.1 13.7



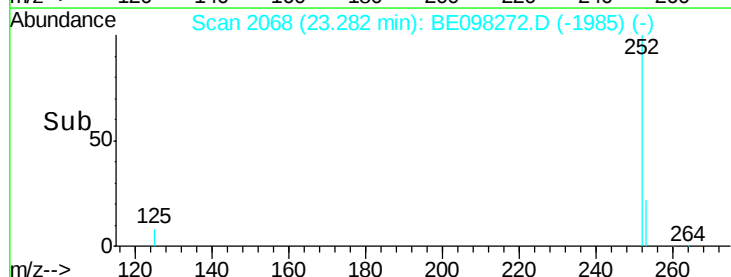
Abundance Ion 252.00 (251.70 to 252.70): E

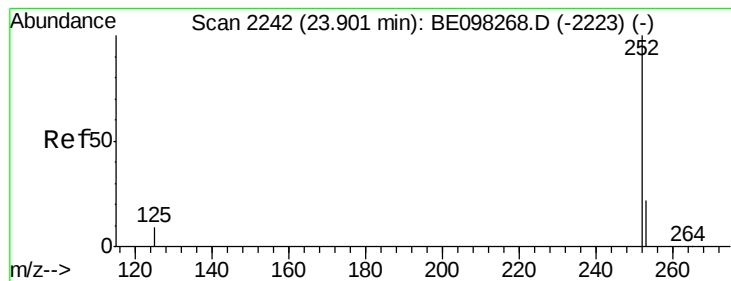
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.90 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918

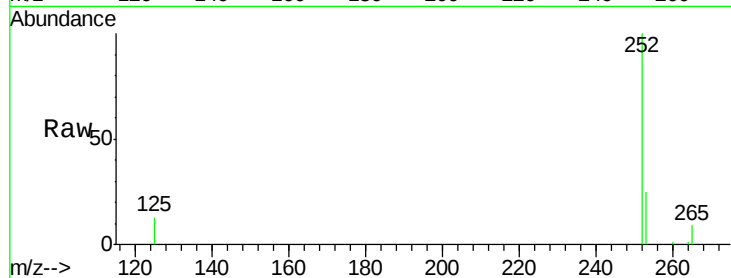
Tgt Ion:252 Resp: 13495

Ion Ratio Lower Upper

252 100

253 25.0 20.6 30.8

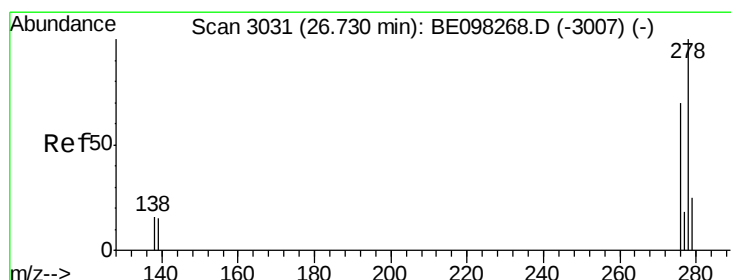
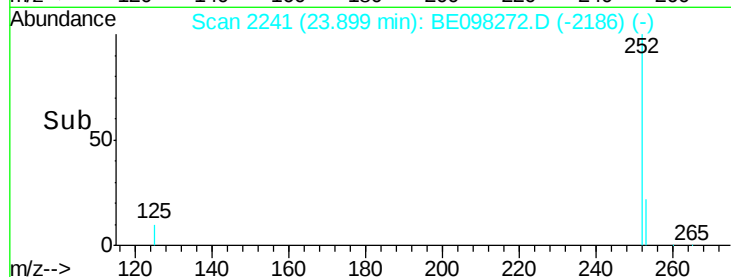
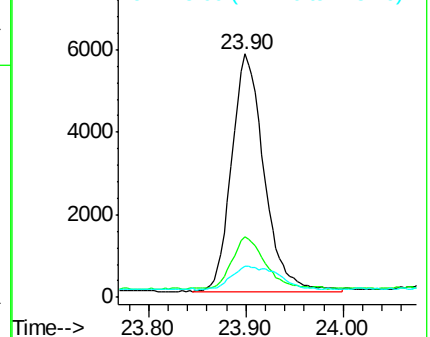
125 12.9 10.5 15.7



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: 0.393 ng

RT: 26.73 min Scan# 3031

Delta R.T. 0.00 min

Lab File: BE098272.D

Acq: 29 Nov 2018 13:58

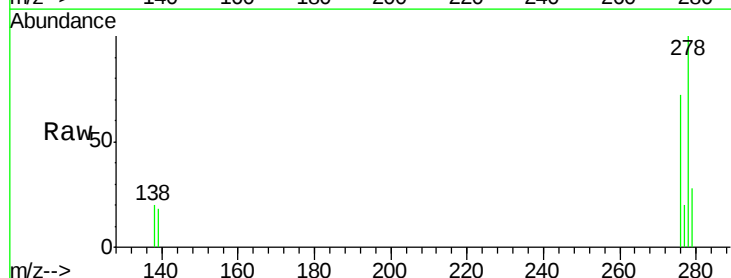
Tgt Ion:278 Resp: 12855

Ion Ratio Lower Upper

278 100

139 17.7 14.5 21.7

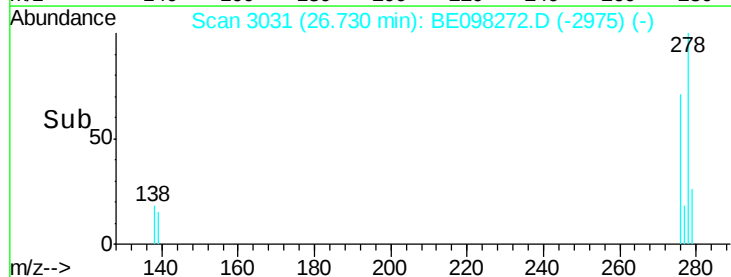
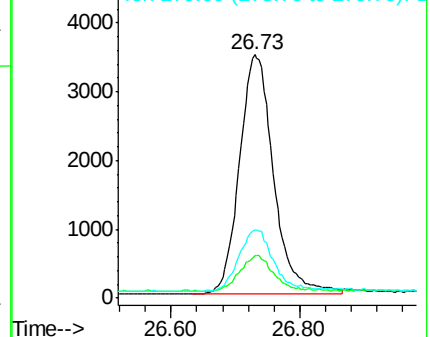
279 28.3 21.8 32.8

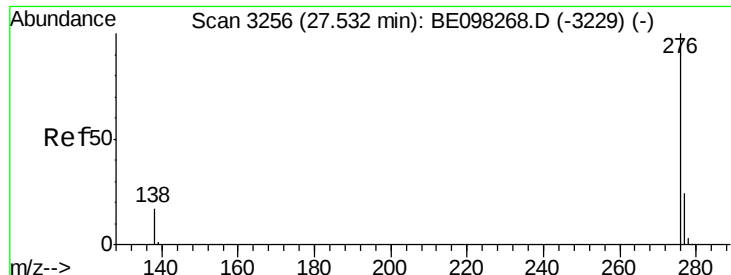


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.390 ng

RT: 27.53 min Scan# 3256

Delta R.T. 0.00 min

Lab File: BE098272.D

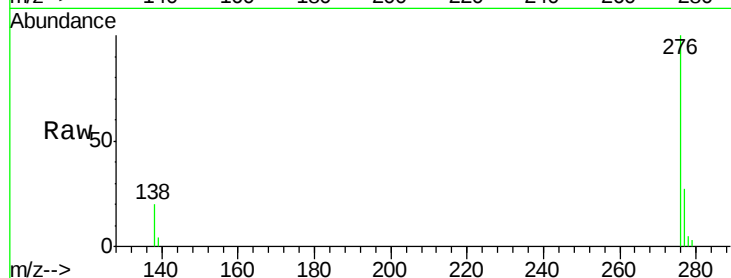
Acq: 29 Nov 2018 13:58

Instrument :

BNA_E

ClientSampleId :

ICVBE112918



Tgt Ion: 276 Resp: 12782

Ion Ratio Lower Upper

276 100

277 26.5 20.8 31.2

138 20.2 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

