

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM090517\
 Data File : BM011427.D
 Acq On : 05 Sep 2017 11:36
 Operator : SJ/JU
 Sample : I5036-03RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 T2-T3-COMPRE

Quant Time: Sep 05 12:20:47 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 18:39:59 2017
 Response via : Initial Calibration

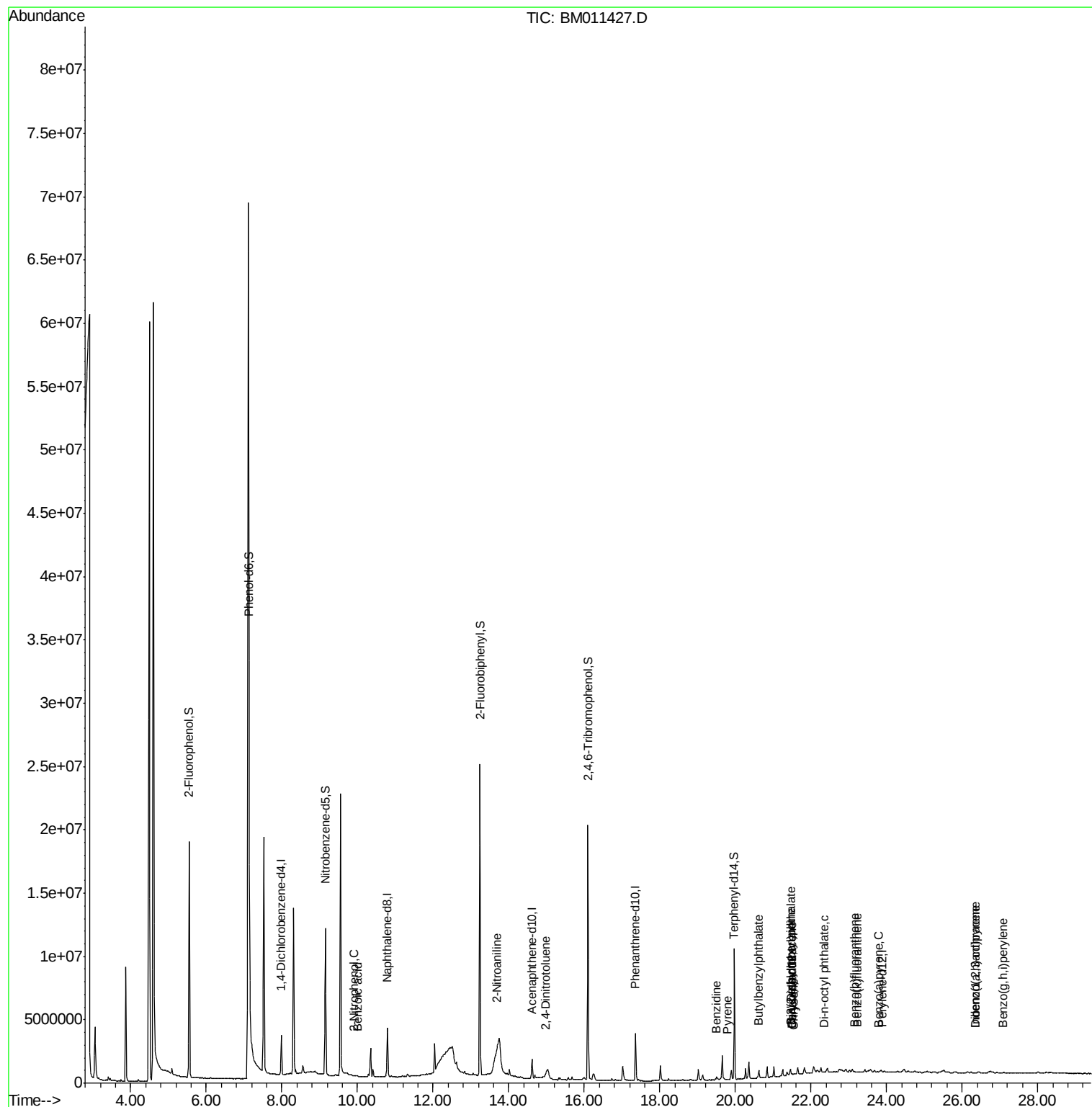
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	796463	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	3022493	20.00	ng	-0.01
38) Acenaphthene-d10	14.62	164	279941	20.00	ng	-0.01
63) Phenanthrene-d10	17.36	188	1321322	20.00	ng	0.00
75) Chrysene-d12	21.51	240	991	20.00	ng	-0.02
86) Perylene-d12	23.88	264	113	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	7238293	152.98	ng	0.00
7) Phenol-d6	7.14	99	1905500	29.04	ng	0.00
23) Nitrobenzene-d5	9.15	82	6004967	130.92	ng	0.00
41) 2,4,6-Tribromophenol	16.10	330	3077721	950.27	ng	0.00
44) 2-Fluorobiphenyl	13.24	172	12196701	628.04	ng	-0.01
78) Terphenyl-d14	19.96	244	55860	1398.60	ng	-0.01
Target Compounds						
26) 2-Nitrophenol	9.91	139	342	6.445	ng	# 1
32) Benzoic acid	10.00	122	19525	7.059	ng	# 82
47) 2-Nitroaniline	13.69	65	925	5.577	ng	# 66
56) 2,4-Dinitrotoluene	14.97	165	701	5.244	ng	# 67
76) Benzidine	19.49	184	114	5.829	ng	# 1
77) Pyrene	19.79	202	3856	63.498	ng	# 84
79) Butylbenzylphthalate	20.62	149	9613	358.327	ng	# 56
80) Benzo(a)anthracene	21.50	228	646	11.655	ng	# 35
81) 3,3'-Dichlorobenzidine	21.46	252	3030	143.992	ng	# 89
82) Chrysene	21.54	228	4821	92.283	ng	# 1
83) Bis(2-ethylhexyl)phthalate	21.45	149	6751	171.647	ng	# 59
84) Di-n-octyl phthalate	22.34	149	815	12.292	ng	# 1
85) Indeno(1,2,3-cd)pyrene	26.34	276	1323	27.149	ng	# 65
87) Benzo(b)fluoranthene	23.16	252	259	37.333	ng	# 1
88) Benzo(k)fluoranthene	23.22	252	1953	293.613	ng	# 1
89) Benzo(a)pyrene	23.80	252	1085	173.399	ng	# 10
90) Dibenzo(a,h)anthracene	26.35	278	510	95.236	ng	# 1
91) Benzo(g,h,i)perylene	27.09	276	1051	203.078	ng	# 41

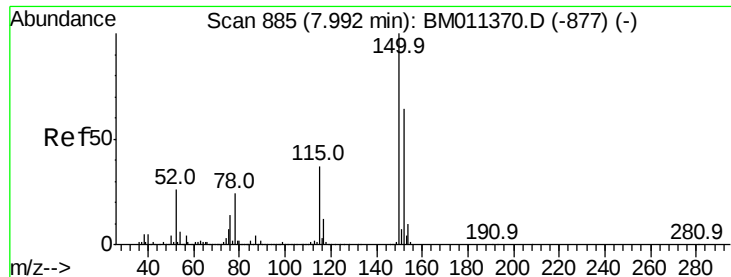
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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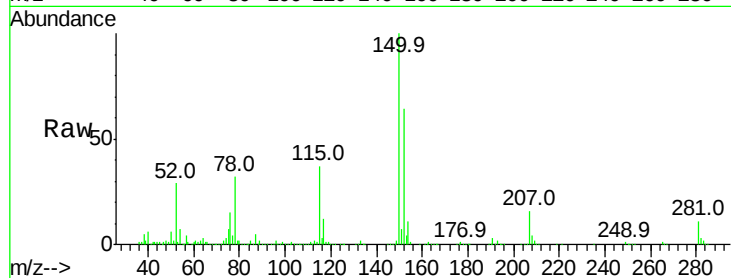


#1

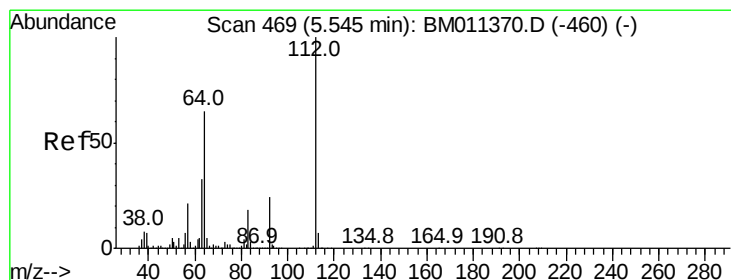
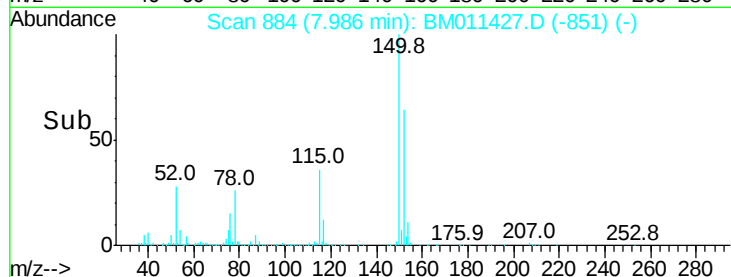
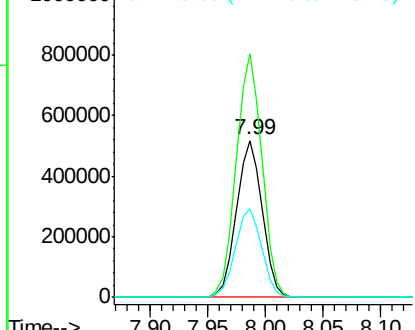
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

Instrument :
BNA_M
ClientSampleId :
T2-T3-COMPRE

Tot Ion:152 Resp: 796463
Ion Ratio Lower Upper
152 100
150 155.2 119.5 179.3
115 56.7 43.0 64.4



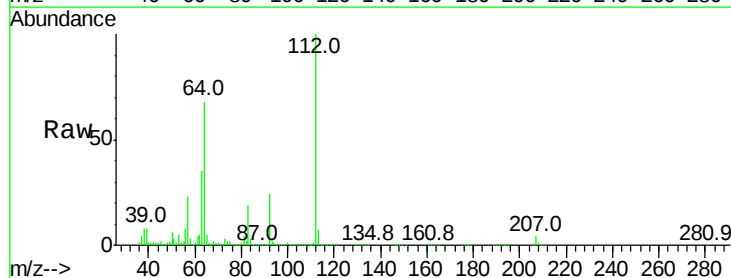
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



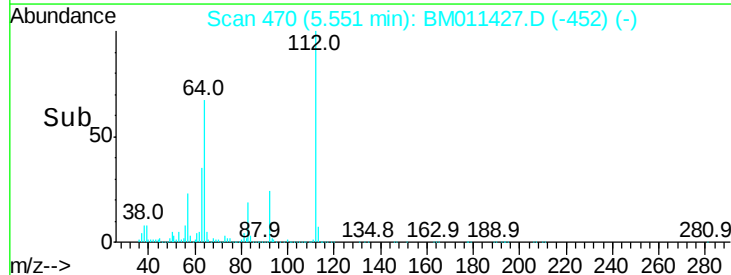
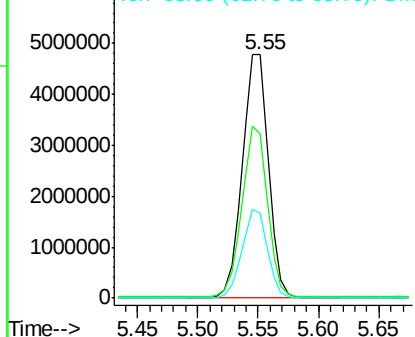
#5

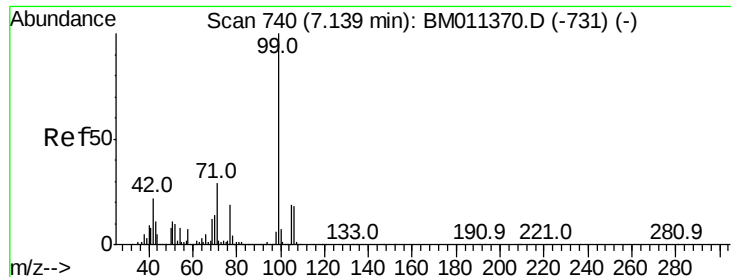
2-Fluorophenol
Concen: 152.977 ng
RT: 5.55 min Scan# 470
Delta R.T. 0.01 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

Tgt Ion:112 Resp: 7238293
Ion Ratio Lower Upper
112 100
64 67.6 38.6 57.8#
63 34.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 29.043 ng

RT: 7.14 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

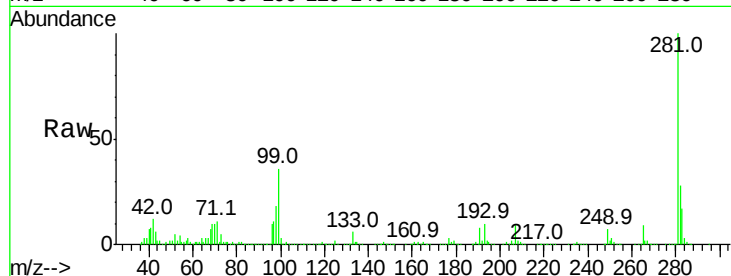
BNA_M

ClientSampleId :

T2-T3-COMPRE

Tot Ion: 99 Resp: 1905500

Ion	Ratio	Lower	Upper
99	100		
42	32.1	11.0	16.4#
71	31.0	23.4	35.2

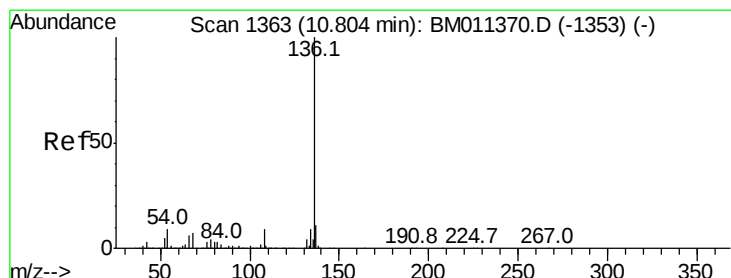
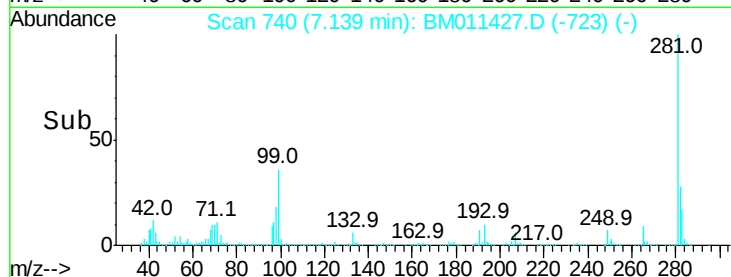


Abundance Ion 99.00 (98.70 to 99.70): BM011370.D (-731) (-)

Ion 42.00 (41.70 to 42.70): BM011370.D (-731) (-)

Ion 71.00 (70.70 to 71.70): BM011370.D (-731) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.79 min Scan# 1361

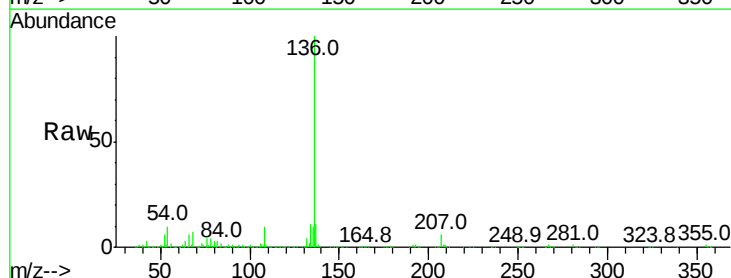
Delta R.T. -0.01 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Tgt Ion: 136 Resp: 3022493

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	10.1	4.6	6.8#
68	7.3	3.7	5.5#



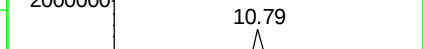
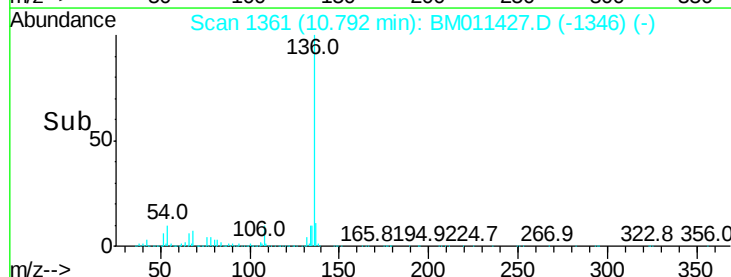
Abundance Ion 136.00 (135.70 to 136.70): BM011370.D (-1353) (-)

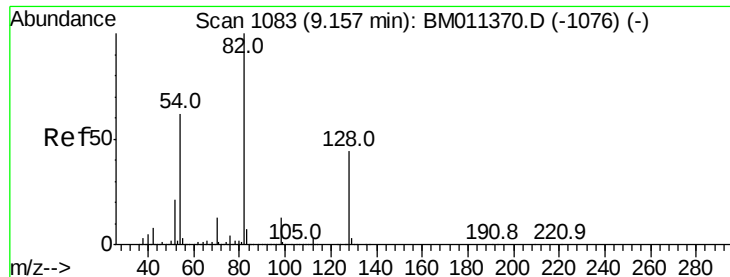
Ion 137.00 (136.70 to 137.70): BM011370.D (-1353) (-)

Ion 54.00 (53.70 to 54.70): BM011370.D (-1353) (-)

Ion 68.00 (67.70 to 68.70): BM011370.D (-1353) (-)

Time-->





#23

Nitrobenzene-d5

Concen: 130.924 ng

RT: 9.15 min Scan# 1082

Delta R.T. -0.01 min

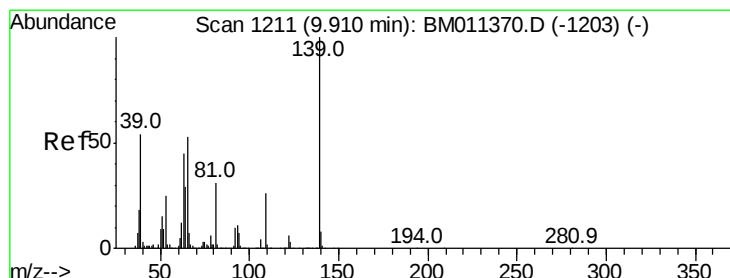
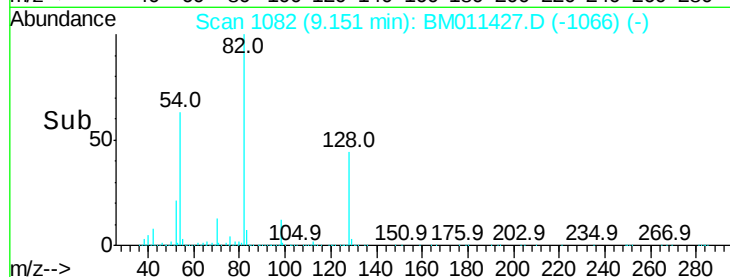
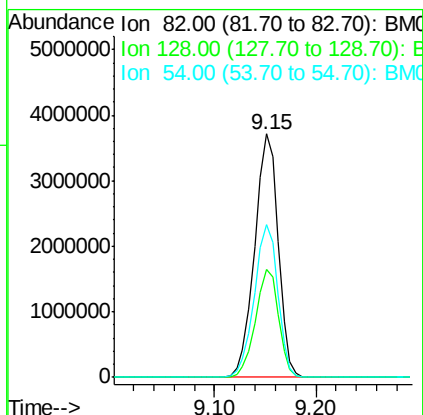
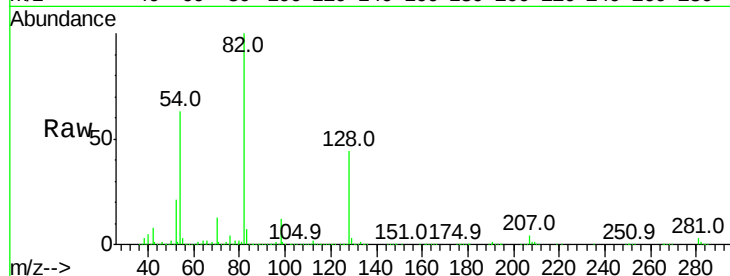
Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :
BNA_M
ClientSampleId :
T2-T3-COMPRE

Tot Ion: 82 Resp: 6004967

Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.8	49.2
54	62.7	40.6	60.8#



#26

2-Nitrophenol

Concen: 6.445 ng

RT: 9.91 min Scan# 1211

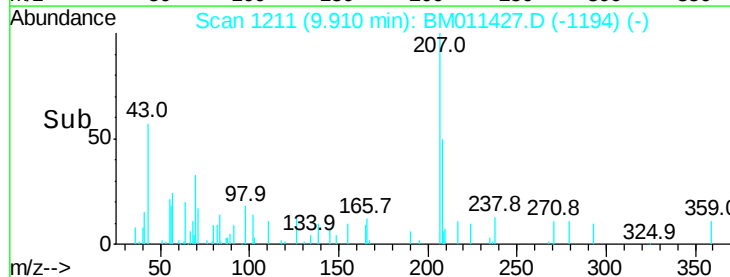
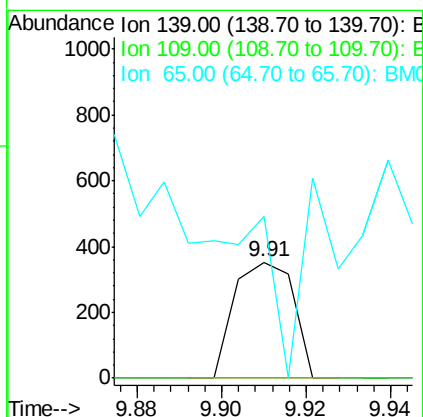
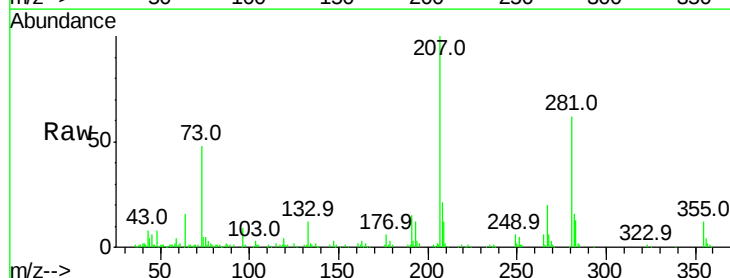
Delta R.T. 0.00 min

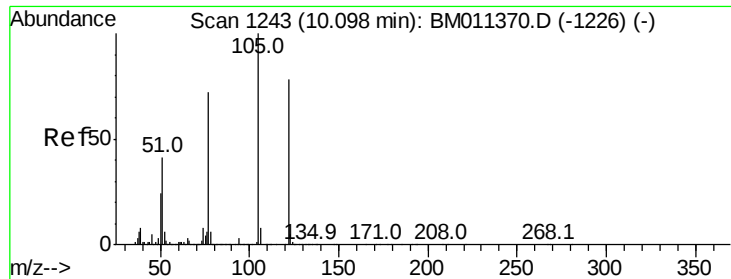
Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Tgt Ion: 139 Resp: 342

Ion	Ratio	Lower	Upper
139	100		
109	0.0	20.1	30.1#
65	139.2	31.5	47.3#

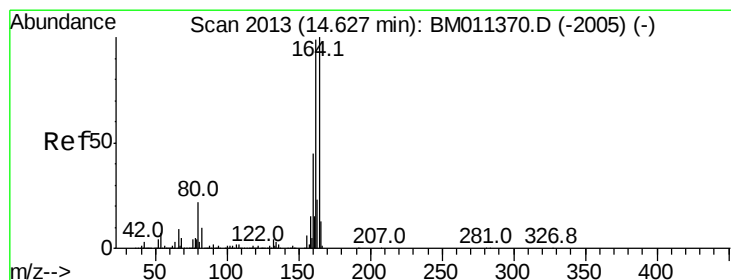
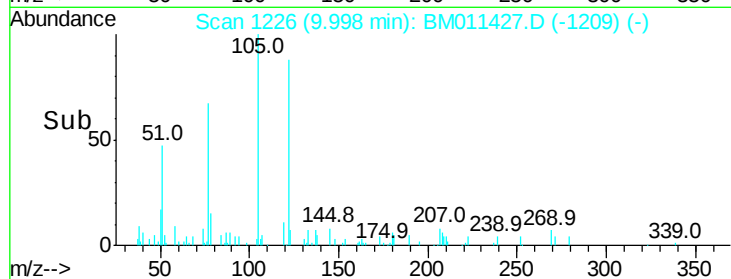
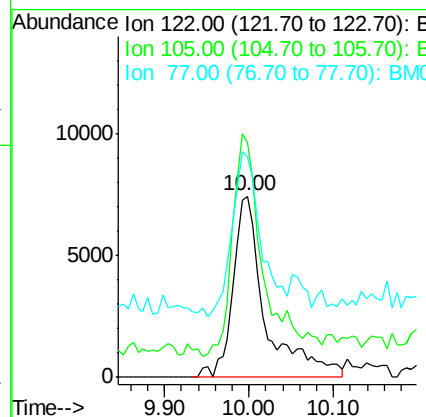
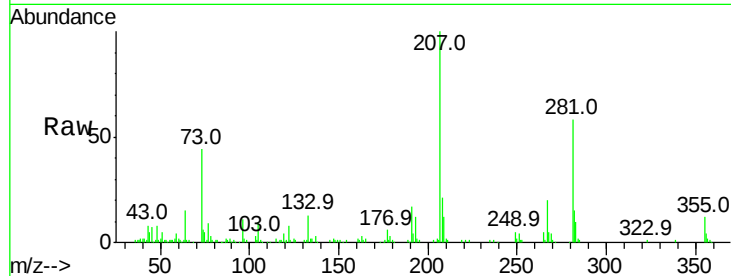




#32
Benzoic acid
Concen: 7.059 ng
RT: 10.00 min Scan# 1226
Delta R.T. -0.10 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

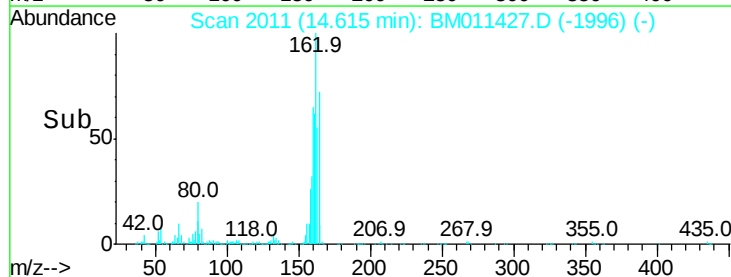
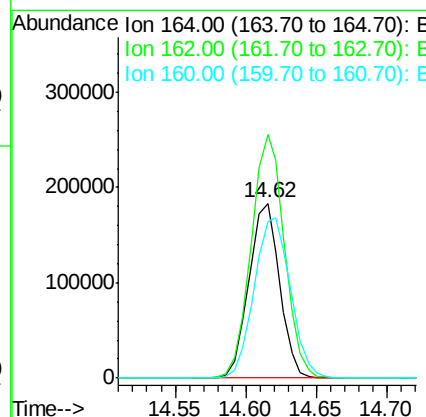
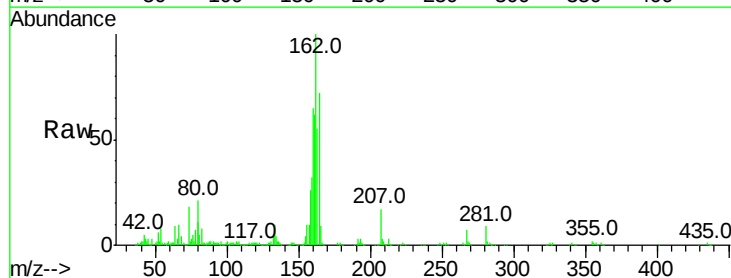
Instrument :
BNA_M
ClientSampleId :
T2-T3-COMPRE

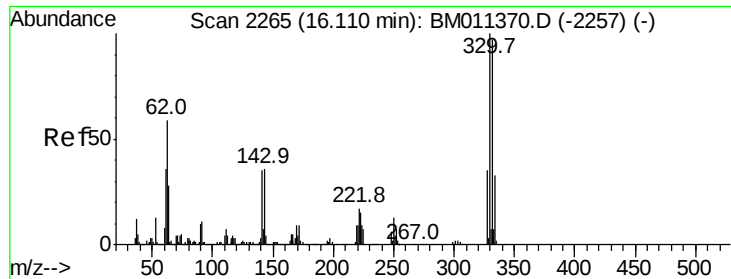
Tot Ion:122 Resp: 19525
Ion Ratio Lower Upper
122 100
105 130.1 99.9 139.9
77 121.7 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

Tgt Ion:164 Resp: 279941
Ion Ratio Lower Upper
164 100
162 139.4 82.4 123.6#
160 89.9 35.8 53.6#

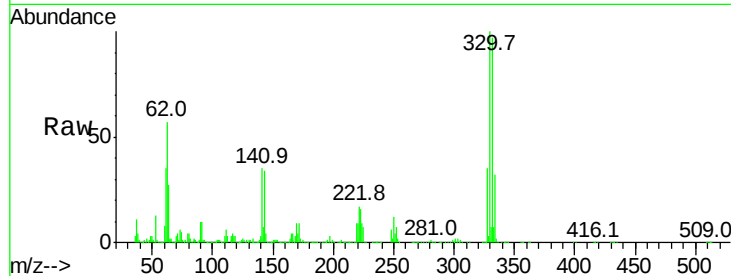




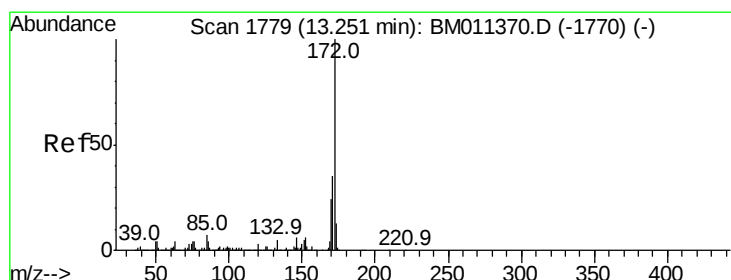
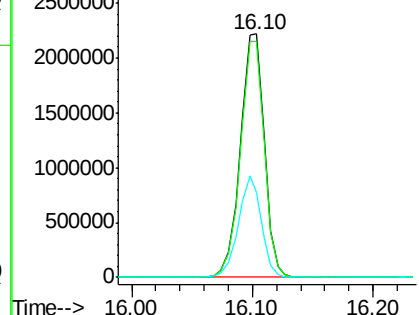
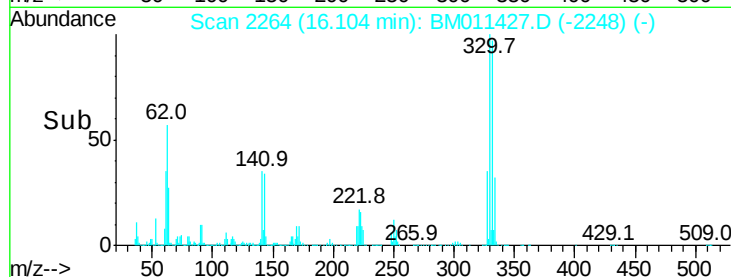
#41
 2,4,6-Tribromophenol
 Concen: 950.266 ng
 RT: 16.10 min Scan# 2264
 Delta R.T. -0.01 min
 Lab File: BM011427.D
 Acq: 05 Sep 2017 11:36

Instrument :
 BNA_M
 ClientSampleId :
 T2-T3-COMPRE

Tot Ion:330 Resp: 3077721
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 39.8 0.0 0.0#

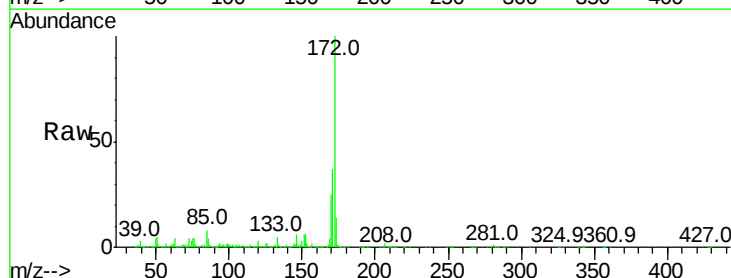


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

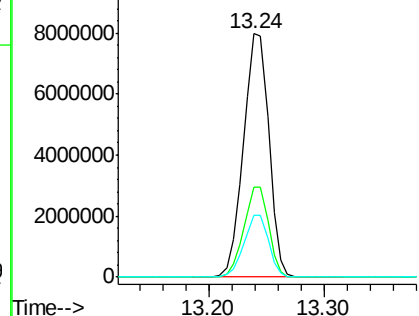
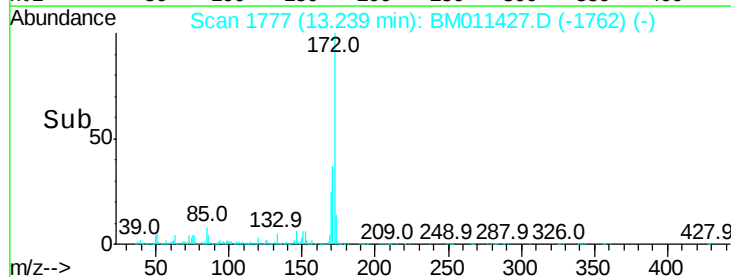


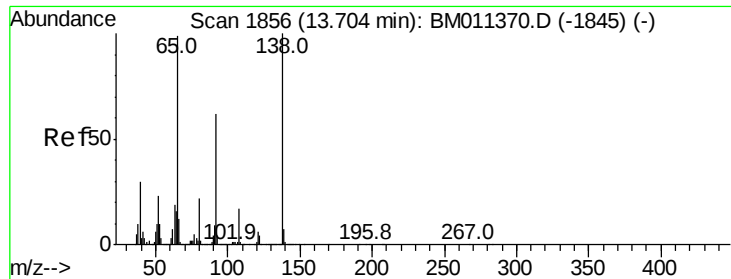
#44
 2-Fluorobiphenyl
 Concen: 628.036 ng
 RT: 13.24 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BM011427.D
 Acq: 05 Sep 2017 11:36

Tgt Ion:172 Resp:12196701
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.5 42.7
 170 25.5 18.8 28.2



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





#47

2-Nitroaniline

Concen: 5.577 ng

RT: 13.69 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

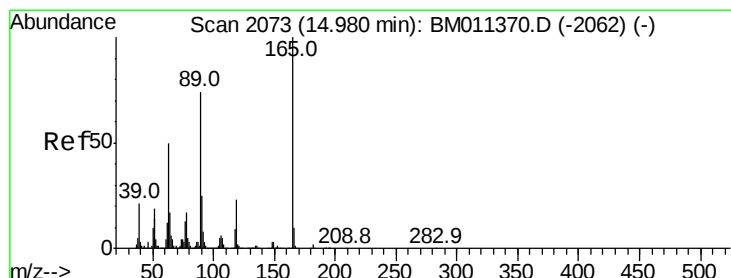
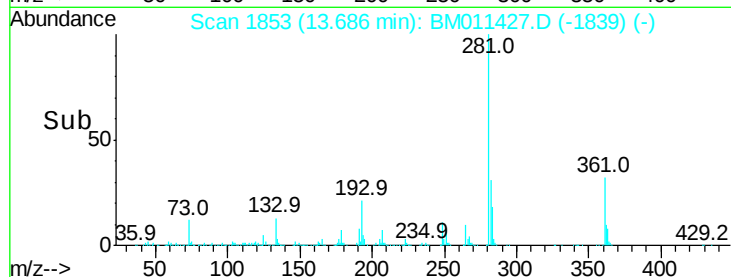
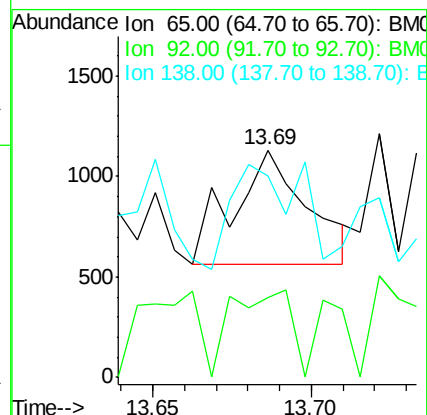
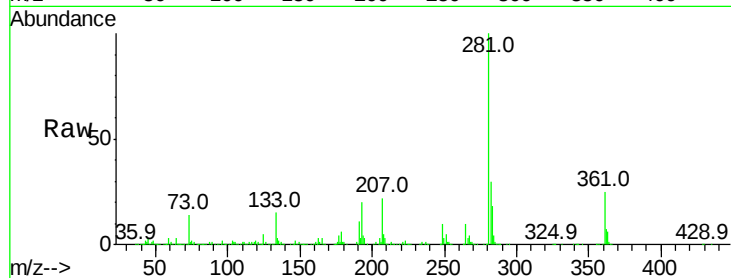
Tot Ion: 65 Resp: 925

Ion Ratio Lower Upper

65 100

92 35.1 59.1 88.7#

138 88.3 93.9 140.9#



#56

2,4-Dinitrotoluene

Concen: 5.244 ng

RT: 14.97 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Tgt Ion: 165 Resp: 701

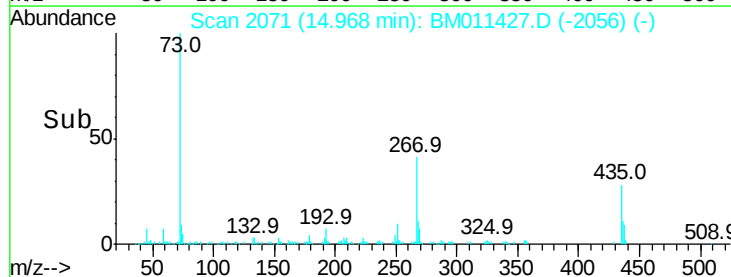
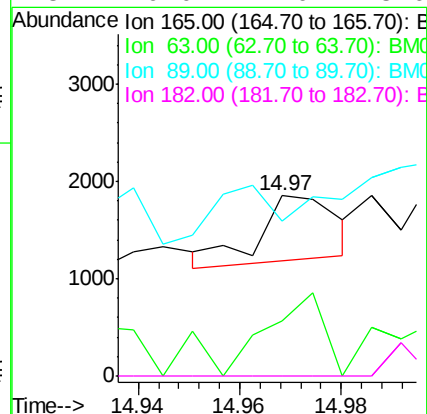
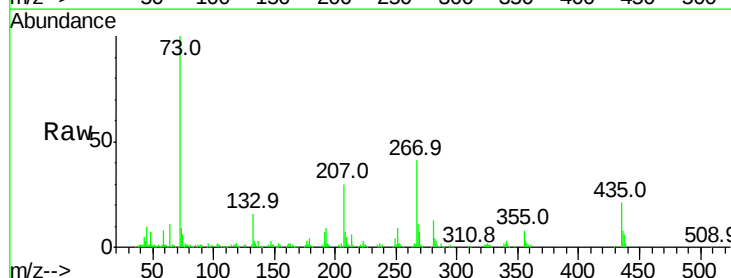
Ion Ratio Lower Upper

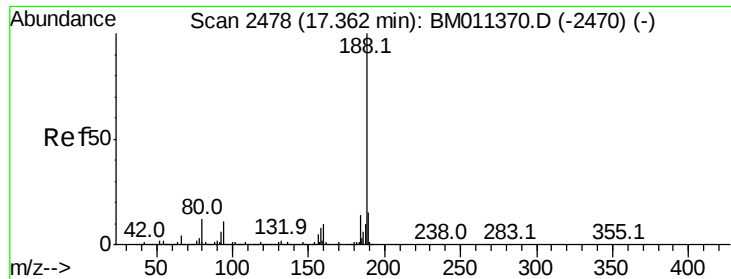
165 100

63 25.1 52.4 78.6#

89 70.3 72.4 108.6#

182 0.0 2.0 3.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

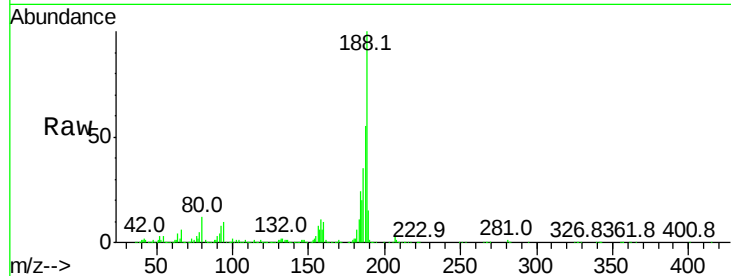
Tot Ion:188 Resp: 1321322

Ion Ratio Lower Upper

188 100

94 10.4 8.7 13.1

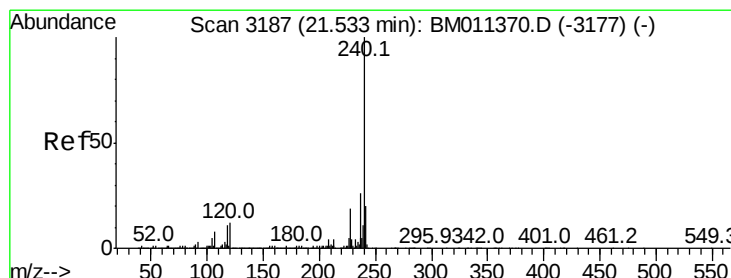
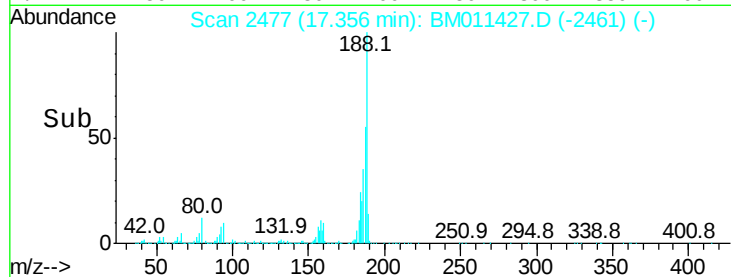
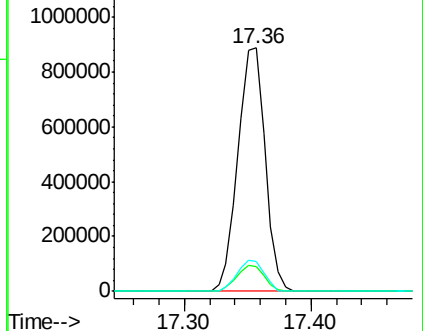
80 12.5 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.51 min Scan# 3183

Delta R.T. -0.02 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

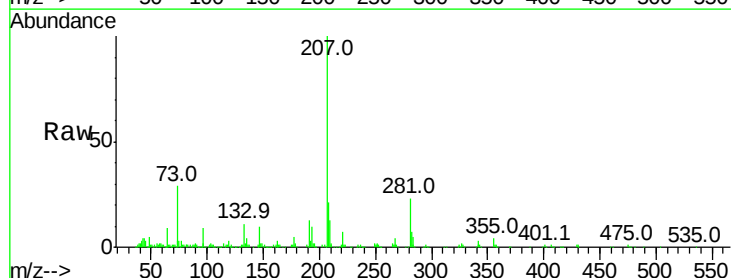
Tgt Ion:240 Resp: 991

Ion Ratio Lower Upper

240 100

120 129.8 8.2 12.2#

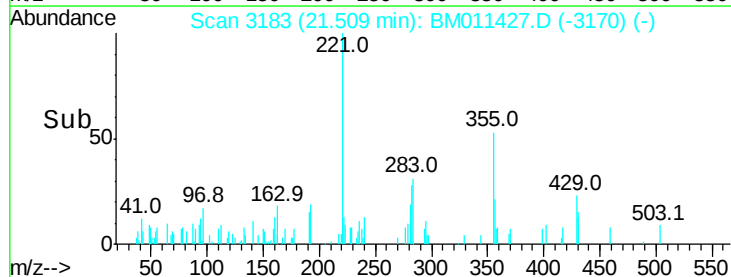
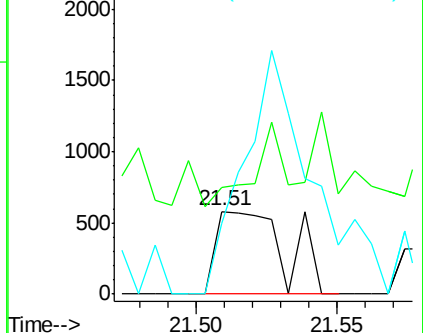
236 86.0 20.0 30.0#

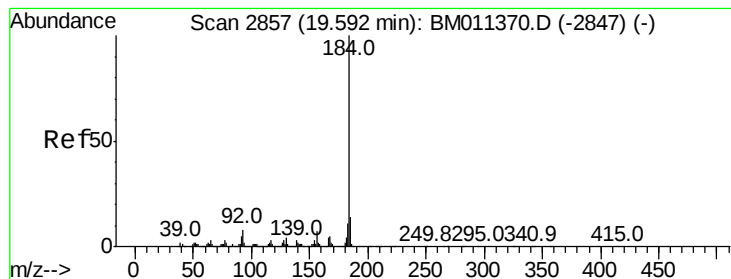


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 5.829 ng

RT: 19.49 min Scan# 2840

Delta R.T. -0.10 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

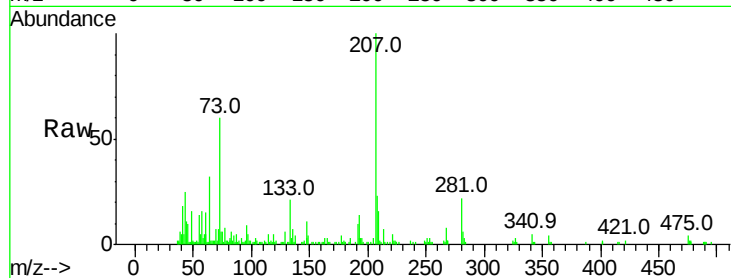
Tot Ion:184 Resp: 114

Ion Ratio Lower Upper

184 100

185 433.9 11.3 16.9#

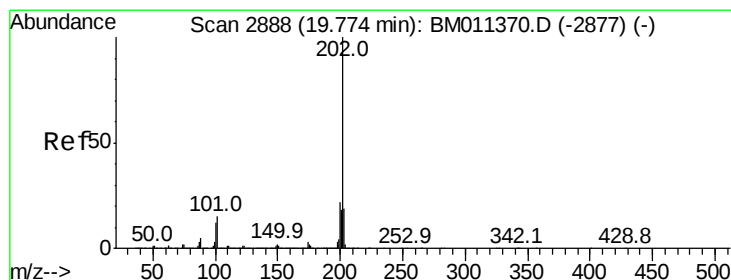
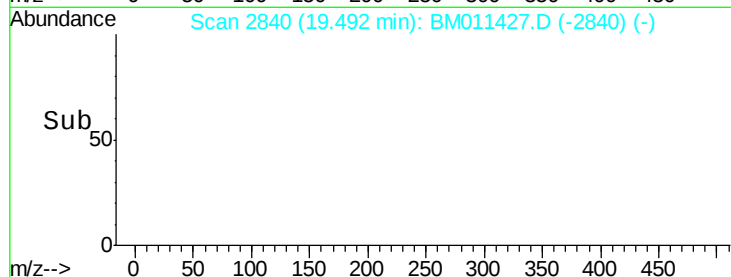
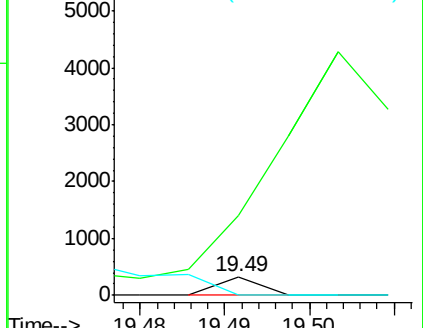
183 0.0 8.9 13.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 63.498 ng

RT: 19.79 min Scan# 2890

Delta R.T. 0.01 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

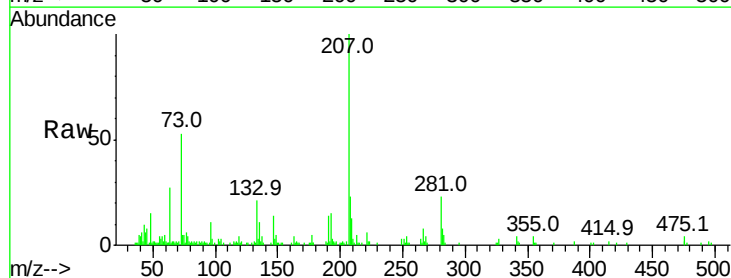
Tgt Ion:202 Resp: 3856

Ion Ratio Lower Upper

202 100

200 25.9 16.9 25.3#

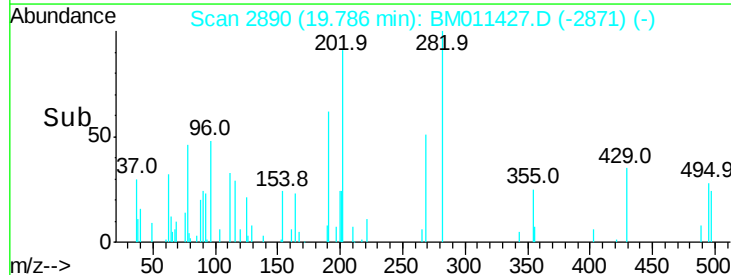
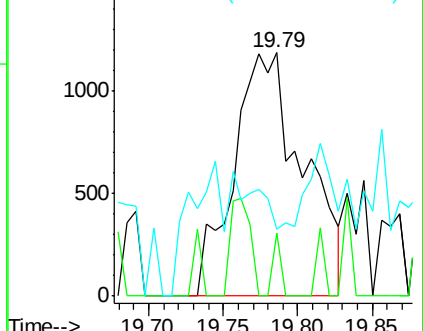
203 27.5 14.1 21.1#

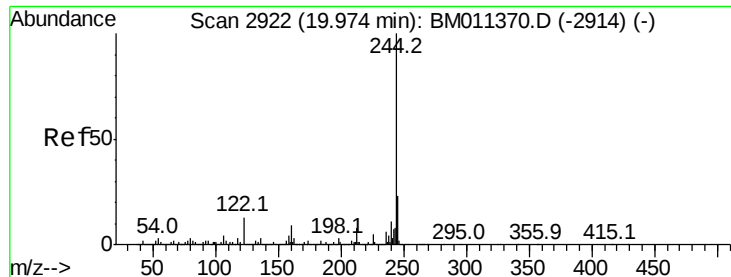


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1398.596 ng

RT: 19.96 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

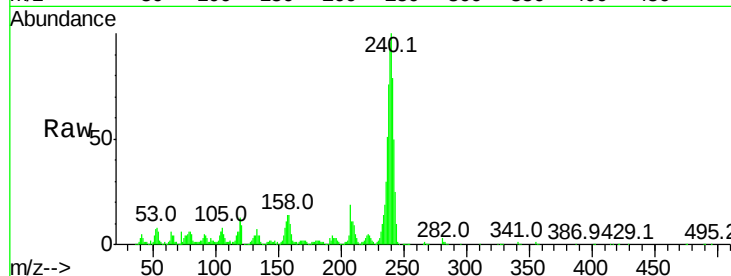
Tot Ion:244 Resp: 55860

Ion Ratio Lower Upper

244 100

212 27.5 4.9 7.3#

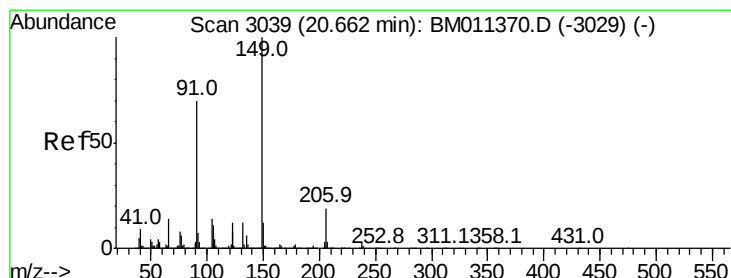
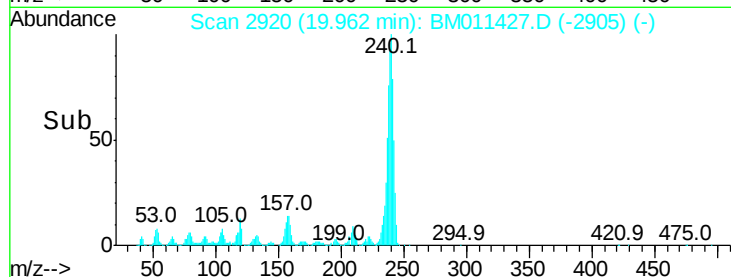
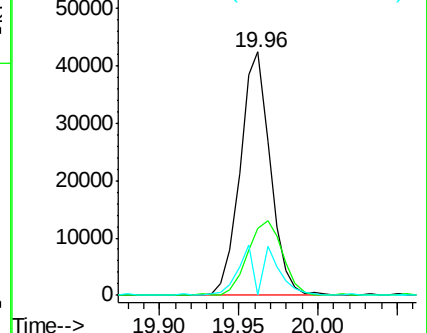
122 0.0 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 358.327 ng

RT: 20.62 min Scan# 3032

Delta R.T. -0.04 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

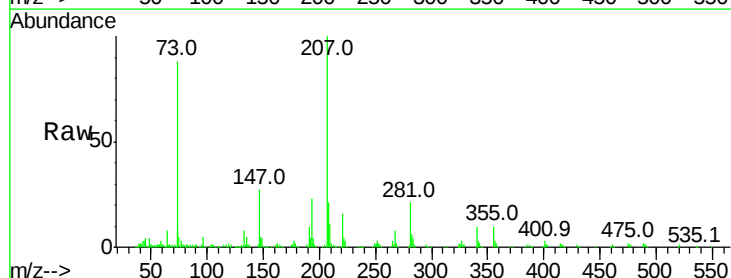
Tgt Ion:149 Resp: 9613

Ion Ratio Lower Upper

149 100

91 23.1 50.1 75.1#

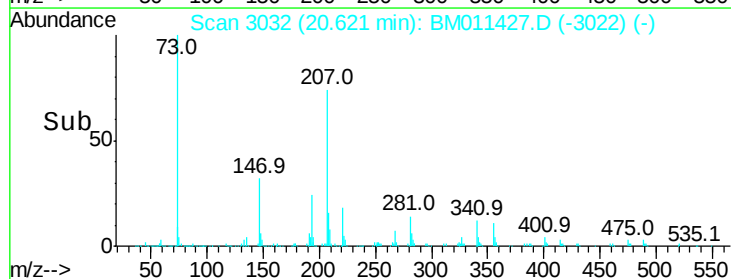
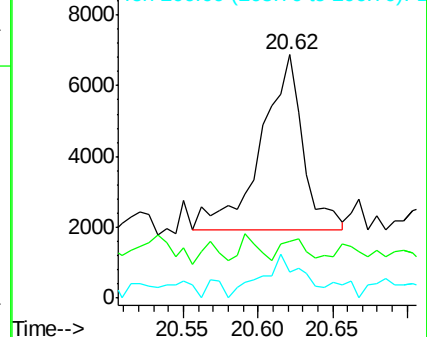
206 10.8 16.2 24.2#

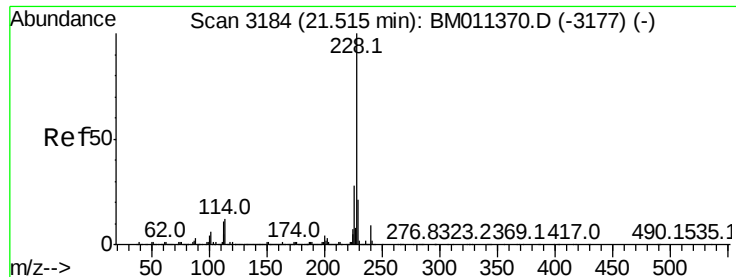


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

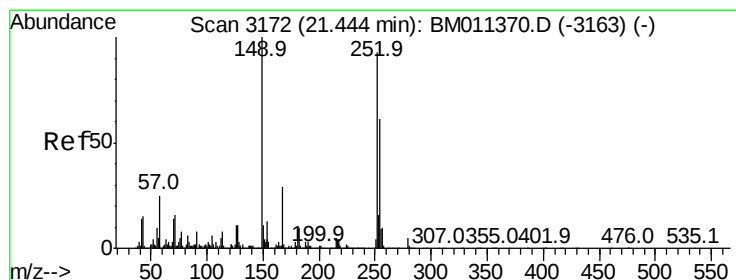
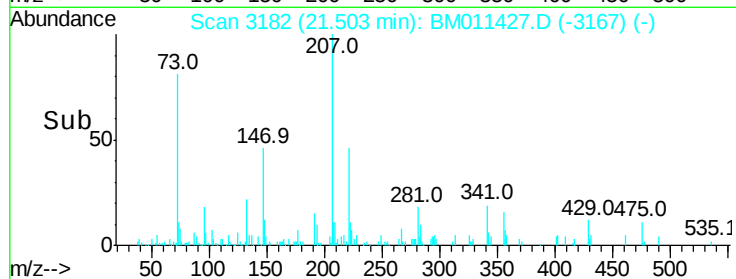
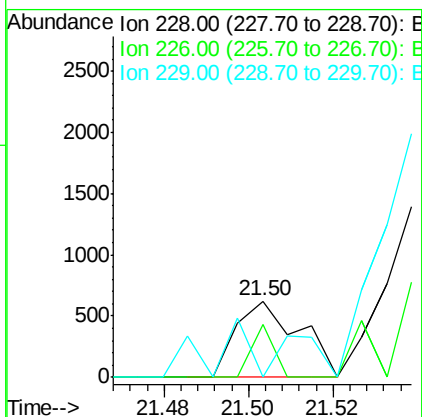
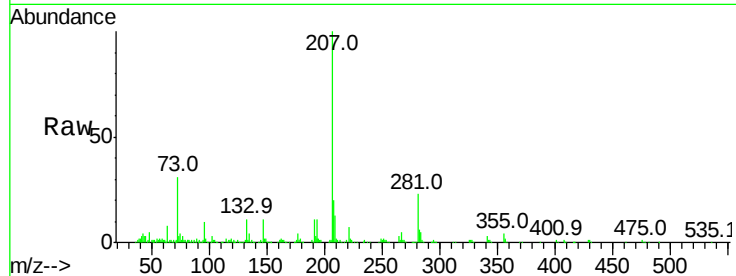




#80
Benzo(a)anthracene
Concen: 11.655 ng
RT: 21.50 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

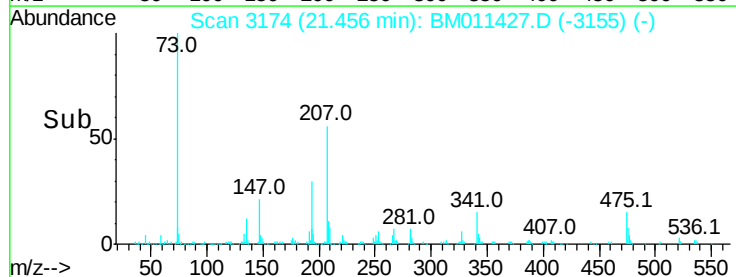
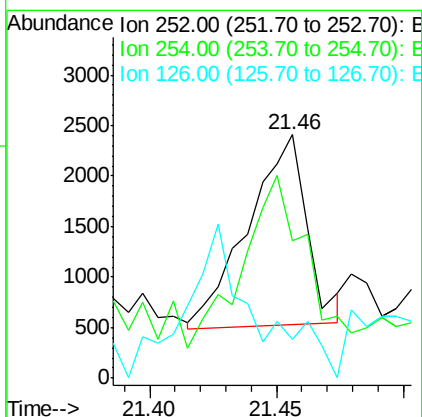
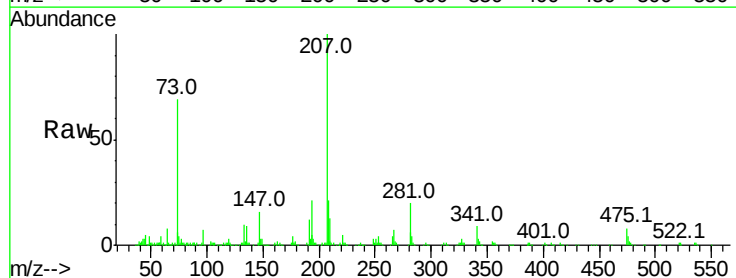
Instrument :
BNA_M
ClientSampleId :
T2-T3-COMPRE

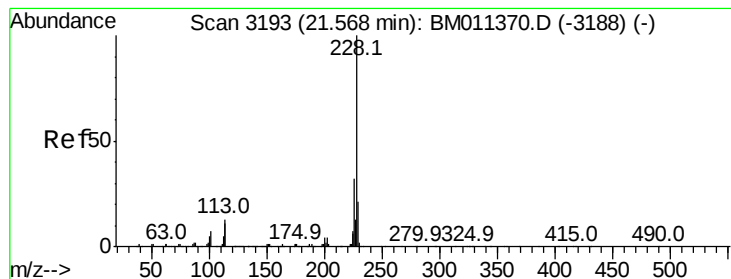
Tot Ion:228 Resp: 646
Ion Ratio Lower Upper
228 100
226 69.1 21.7 32.5#
229 0.0 16.0 24.0#



#81
3,3'-Dichlorobenzidine
Concen: 143.992 ng
RT: 21.46 min Scan# 3174
Delta R.T. 0.01 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

Tgt Ion:252 Resp: 3030
Ion Ratio Lower Upper
252 100
254 56.2 51.9 77.9
126 15.7 9.8 14.8#





#82

Chrysene

Concen: 92.283 ng

RT: 21.54 min Scan# 3189

Delta R.T. -0.02 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

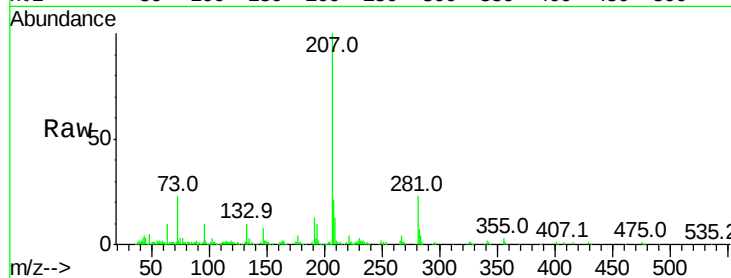
Tot Ion:228 Resp: 4821

Ion Ratio Lower Upper

228 100

226 26.0 24.1 36.1

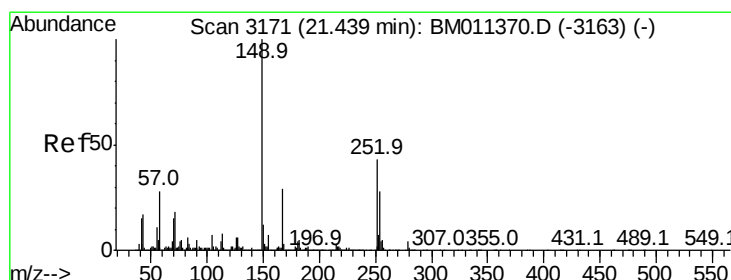
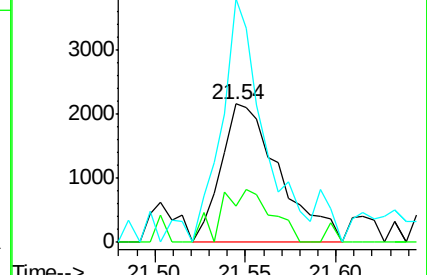
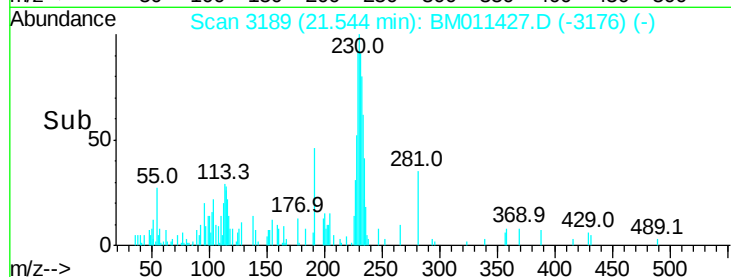
229 176.2 15.5 23.3#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 171.647 ng

RT: 21.45 min Scan# 3173

Delta R.T. 0.01 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

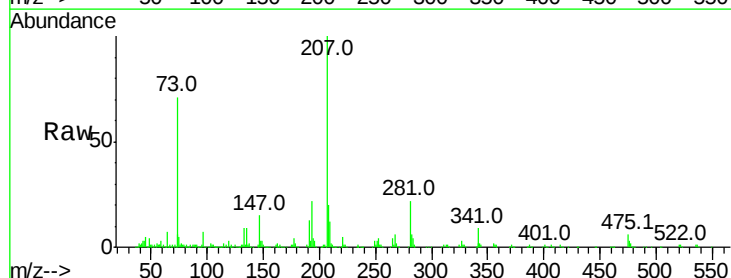
Tgt Ion:149 Resp: 6751

Ion Ratio Lower Upper

149 100

167 5.2 22.4 33.6#

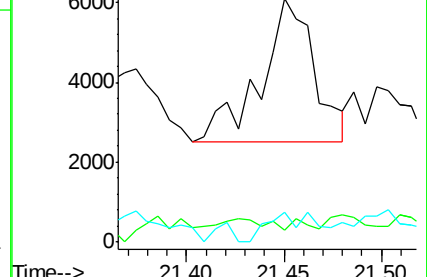
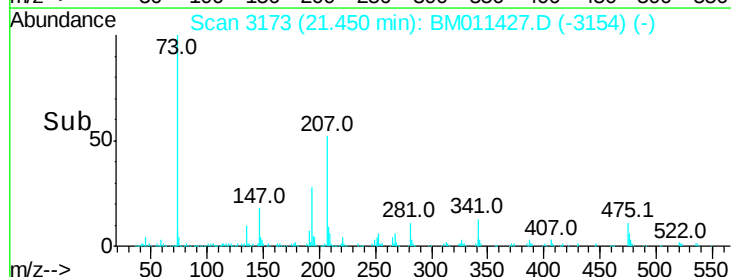
279 12.5 3.4 5.0#

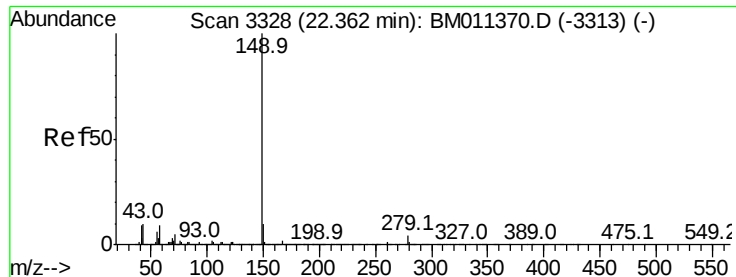


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 12.292 ng

RT: 22.34 min Scan# 3324

Delta R.T. -0.02 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

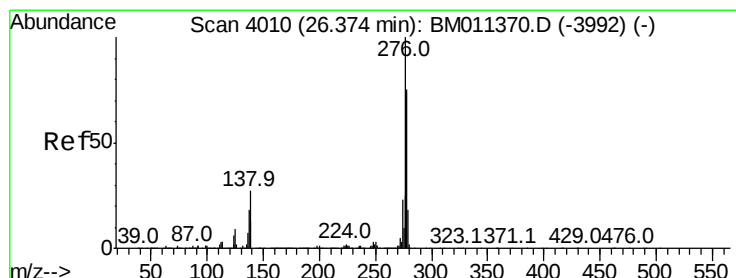
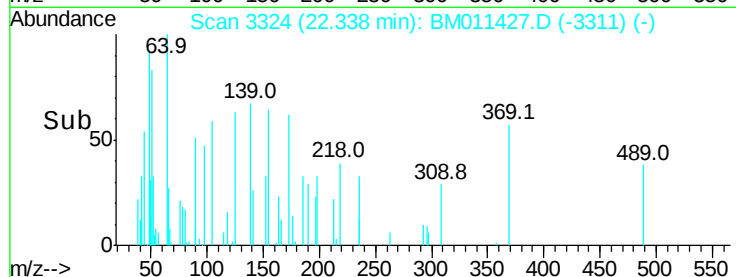
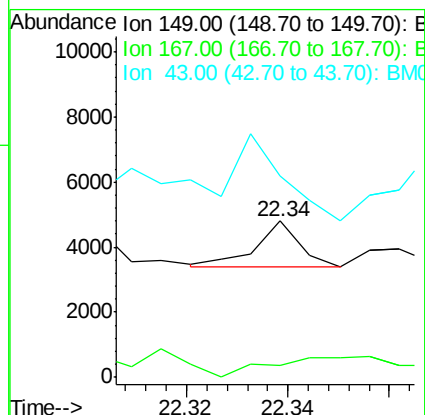
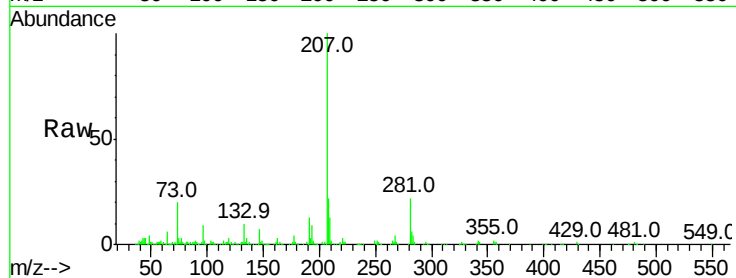
Tot Ion:149 Resp: 815

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 204.7 7.3 10.9#



#85

Indeno(1,2,3-cd)pyrene

Concen: 27.149 ng

RT: 26.34 min Scan# 4005

Delta R.T. -0.03 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

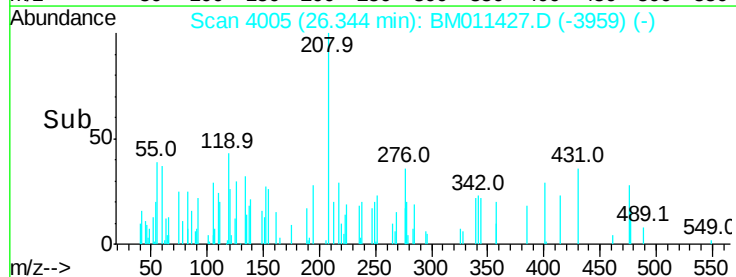
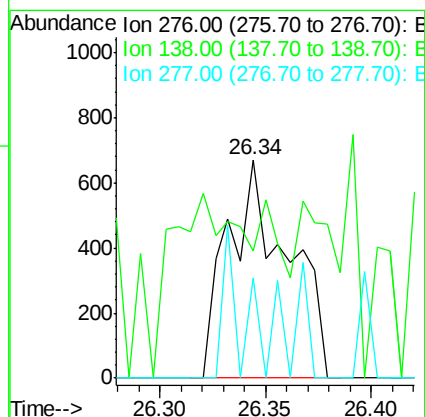
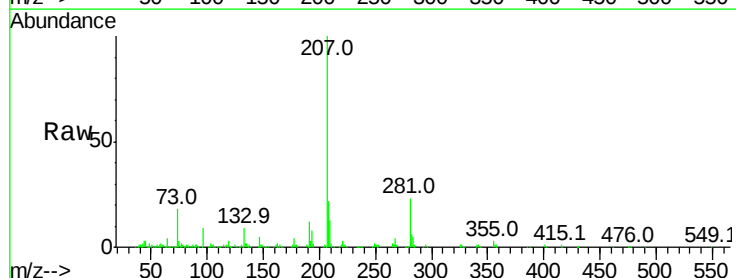
Tgt Ion:276 Resp: 1323

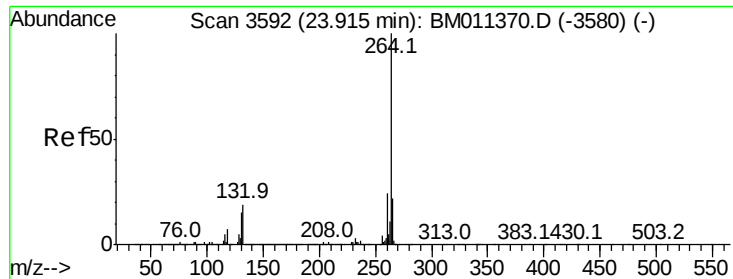
Ion Ratio Lower Upper

276 100

138 0.0 12.0 18.0#

277 8.0 20.0 30.0#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.88 min Scan# 3586

Delta R.T. -0.04 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

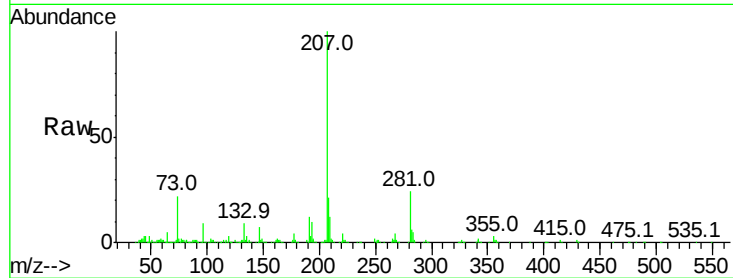
Tot Ion:264 Resp: 113

Ion Ratio Lower Upper

264 100

260 0.0 18.6 27.8#

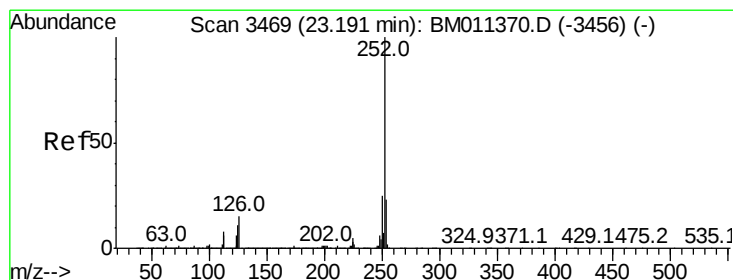
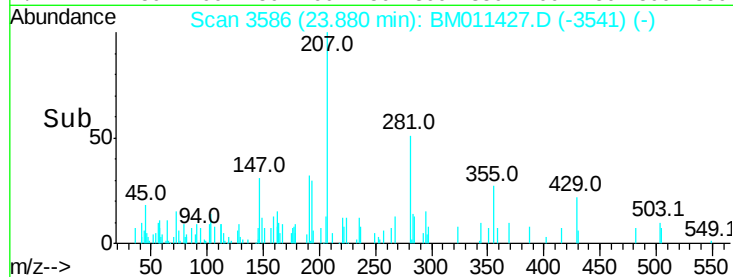
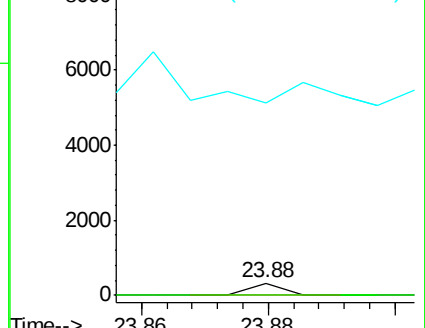
265 1609.7 17.3 25.9#



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



#87

Benzo(b)fluoranthene

Concen: 37.333 ng

RT: 23.16 min Scan# 3463

Delta R.T. -0.04 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

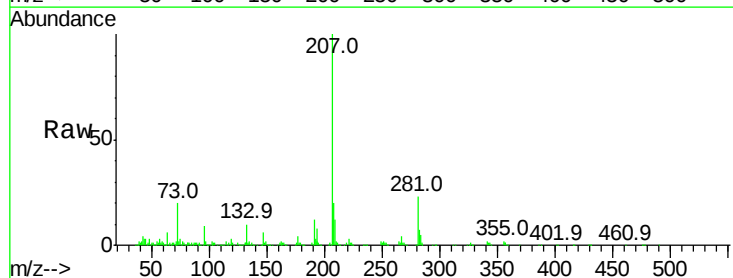
Tgt Ion:252 Resp: 259

Ion Ratio Lower Upper

252 100

253 112.0 18.0 27.0#

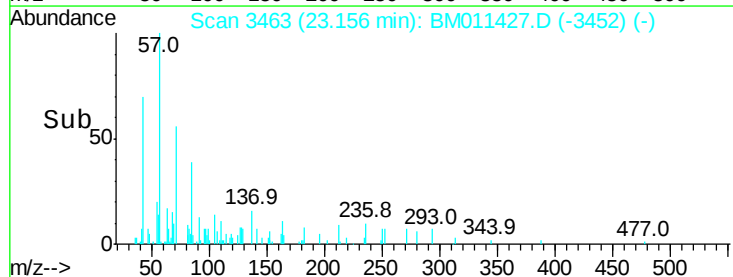
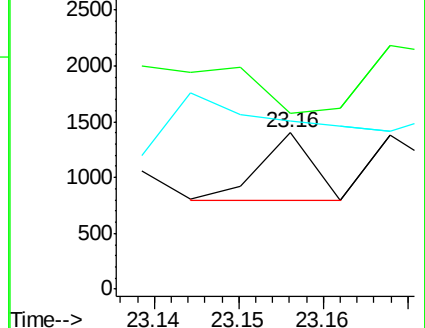
125 107.5 9.9 14.9#

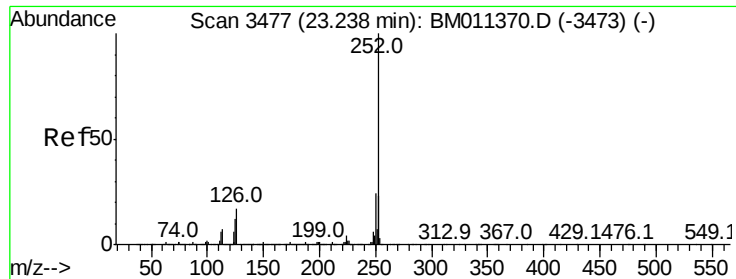


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

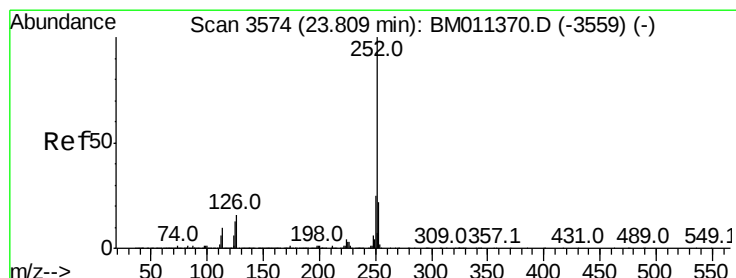
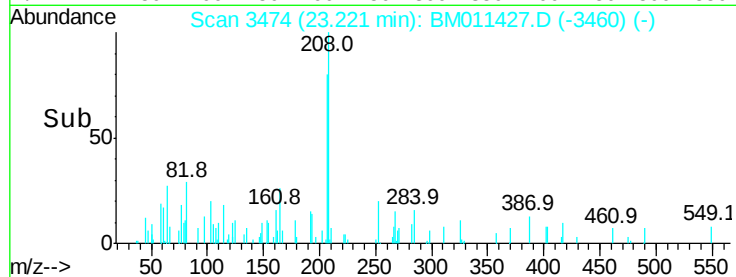
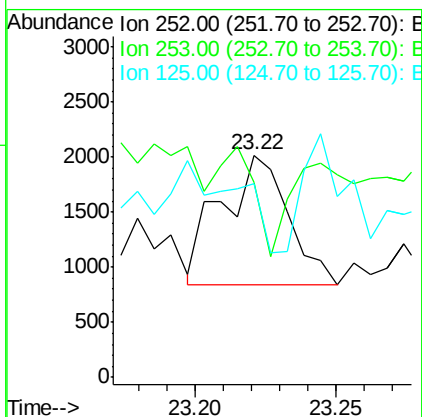
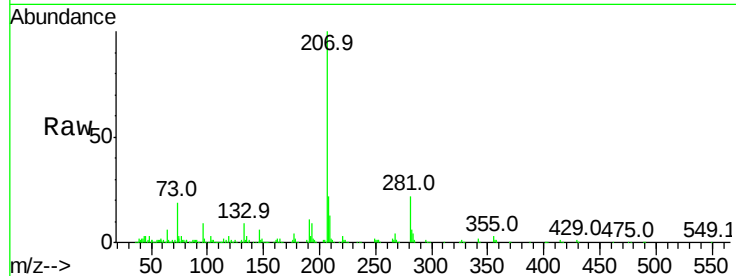




#88
Benzo(k)fluoranthene
Concen: 293.613 ng
RT: 23.22 min Scan# 3474
Delta R.T. -0.02 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

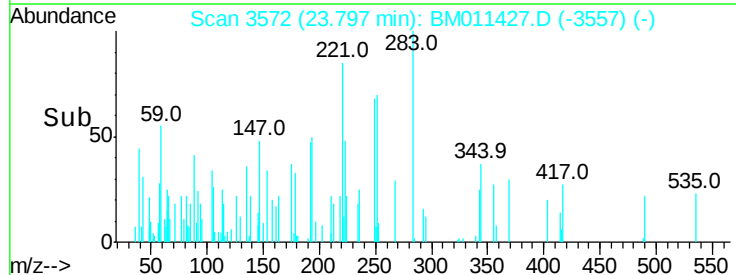
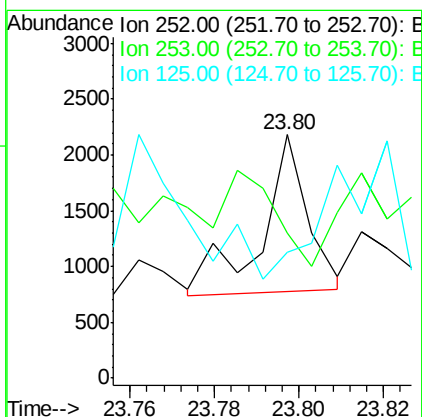
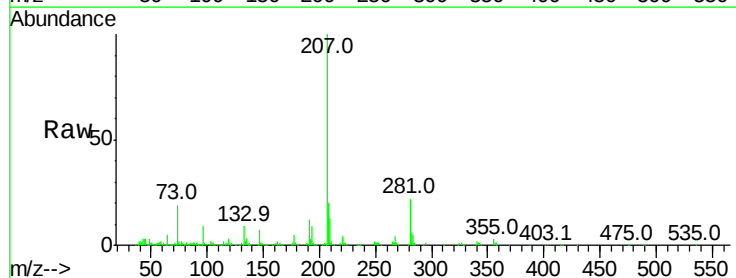
Instrument :
BNA_M
ClientSampleId :
T2-T3-COMPRE

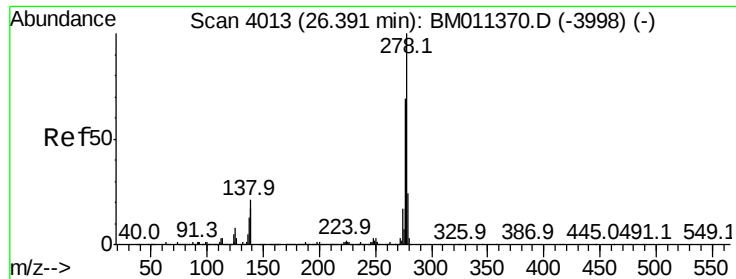
Tot Ion:252 Resp: 1953
Ion Ratio Lower Upper
252 100
253 88.0 17.2 25.8#
125 87.4 8.1 12.1#



#89
Benzo(a)pyrene
Concen: 173.399 ng
RT: 23.80 min Scan# 3572
Delta R.T. -0.01 min
Lab File: BM011427.D
Acq: 05 Sep 2017 11:36

Tgt Ion:252 Resp: 1085
Ion Ratio Lower Upper
252 100
253 59.6 17.6 26.4#
125 51.6 7.4 11.2#





#90

Dibenzo(a,h)anthracene

Concen: 95.236 ng

RT: 26.35 min Scan# 4006

Delta R.T. -0.04 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMPRE

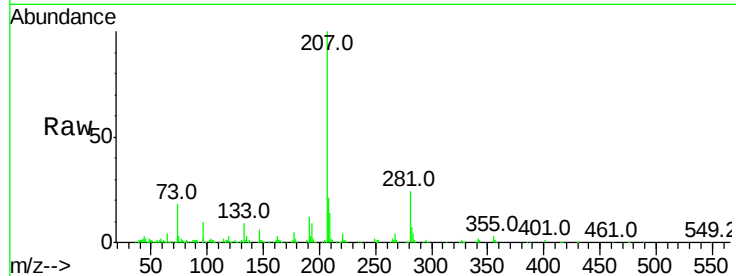
Tot Ion:278 Resp: 510

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

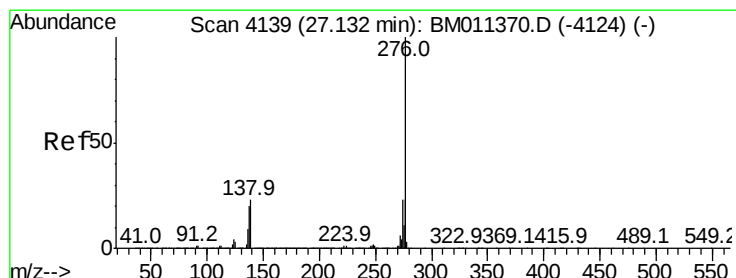
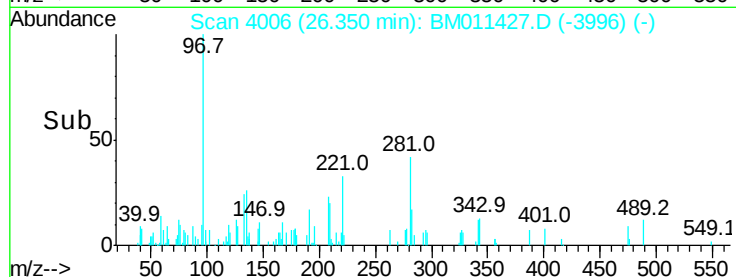
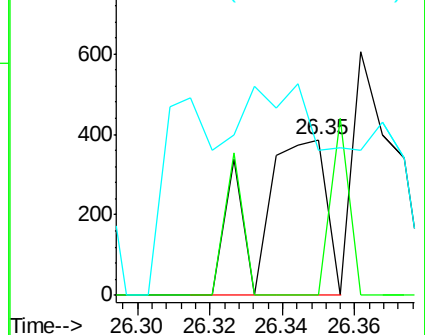
279 93.8 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 203.078 ng

RT: 27.09 min Scan# 4131

Delta R.T. -0.05 min

Lab File: BM011427.D

Acq: 05 Sep 2017 11:36

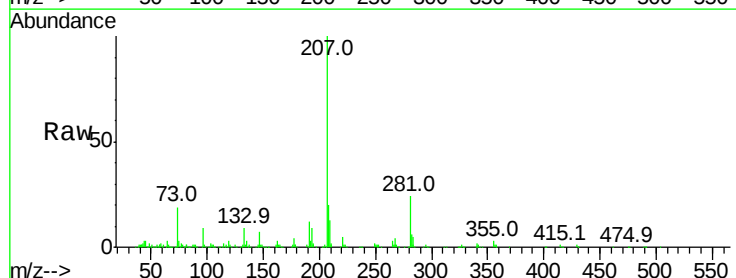
Tgt Ion:276 Resp: 1051

Ion Ratio Lower Upper

276 100

277 0.0 18.5 27.7#

138 58.0 19.0 28.6#



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

