

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090217\
 Data File : BM011419.D
 Acq On : 02 Sep 2017 17:18
 Operator : SJ/JU
 Sample : I5036-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 T2-T3-COMP

Quant Time: Sep 04 03:02:11 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

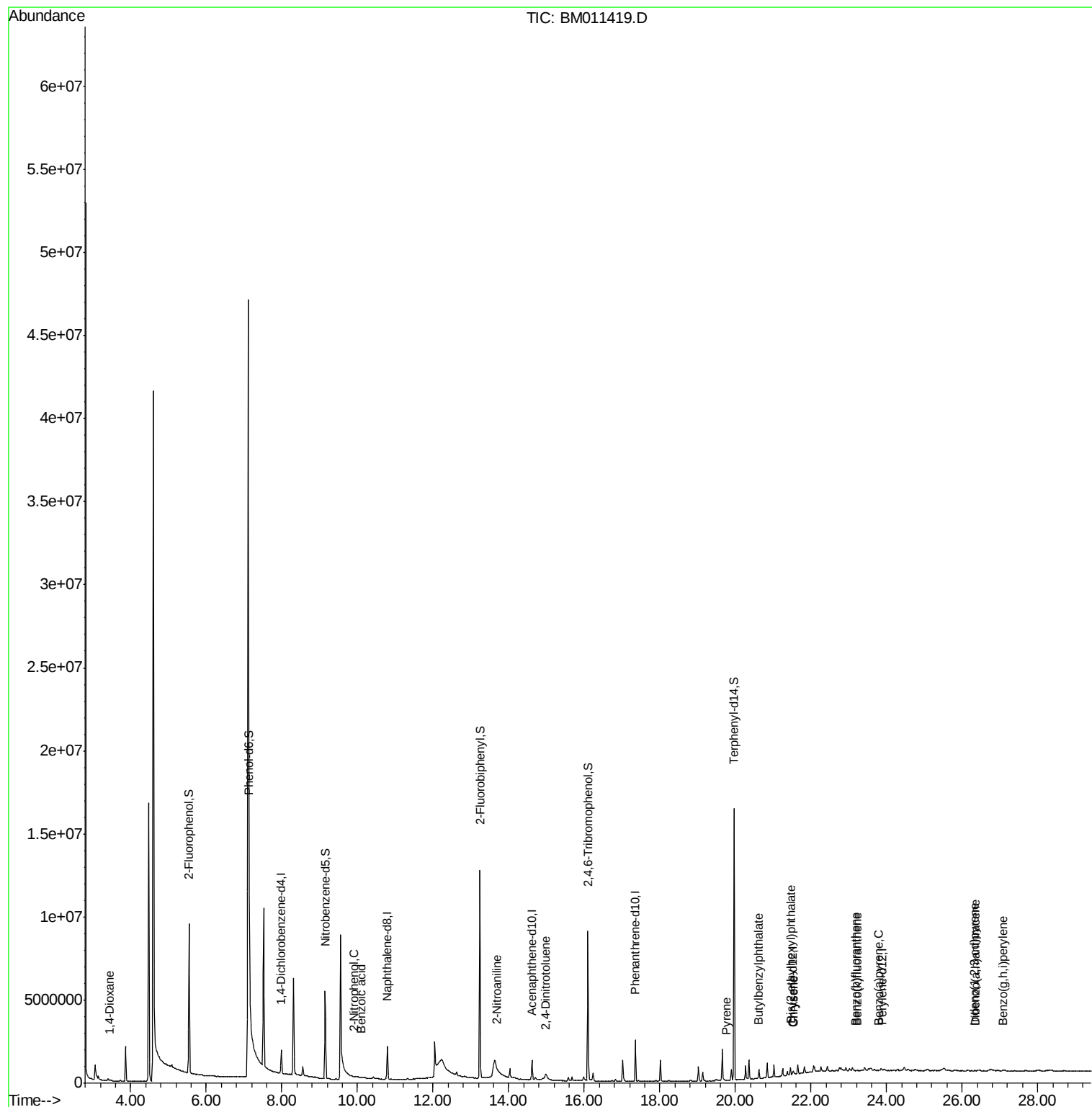
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	389042	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	1598773	20.00	ng	-0.01
38) Acenaphthene-d10	14.62	164	280150	20.00	ng	-0.01
63) Phenanthrene-d10	17.35	188	1261286	20.00	ng	-0.01
75) Chrysene-d12	21.52	240	31433	20.00	ng	-0.02
86) Perylene-d12	23.88	264	1395	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	3551660	153.67	ng	0.00
7) Phenol-d6	7.13	99	2066728	64.49	ng	0.00
23) Nitrobenzene-d5	9.15	82	2756853	113.63	ng	-0.01
41) 2,4,6-Tribromophenol	16.10	330	1342109	414.08	ng	-0.01
44) 2-Fluorobiphenyl	13.24	172	6049990	311.30	ng	-0.01
78) Terphenyl-d14	19.96	244	3089803	2438.99	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.44	88	20318	2.109	ng	# 100
26) 2-Nitrophenol	9.91	139	143	6.442	ng	# 21
32) Benzoic acid	10.12	122	391	6.560	ng	# 1
47) 2-Nitroaniline	13.69	65	318	5.485	ng	# 39
56) 2,4-Dinitrotoluene	14.98	165	2206	5.470	ng	# 79
77) Pyrene	19.77	202	6918	3.592	ng	# 91
79) Butylbenzylphthalate	20.62	149	6578	7.730	ng	# 48
82) Chrysene	21.54	228	12929	7.803	ng	# 1
83) Bis(2-ethylhexyl)phthalate	21.46	149	5789	4.640	ng	# 73
85) Indeno(1,2,3-cd)pyrene	26.33	276	5696	3.685	ng	# 76
87) Benzo(b)fluoranthene	23.17	252	2688	31.385	ng	# 1
88) Benzo(k)fluoranthene	23.23	252	5192	63.228	ng	# 13
89) Benzo(a)pyrene	23.79	252	2689	34.811	ng	# 37
90) Dibenzo(a,h)anthracene	26.34	278	3304	49.977	ng	# 83
91) Benzo(a,h,i)perylene	27.07	276	3868	60.541	ng	# 86

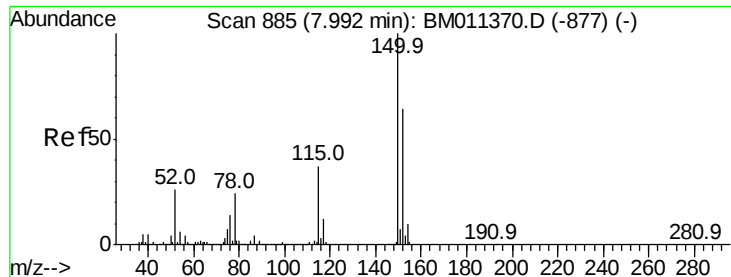
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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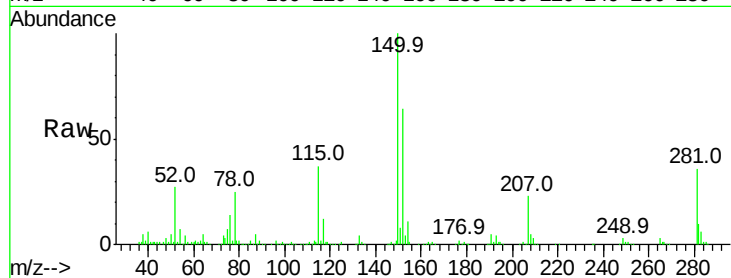


#1

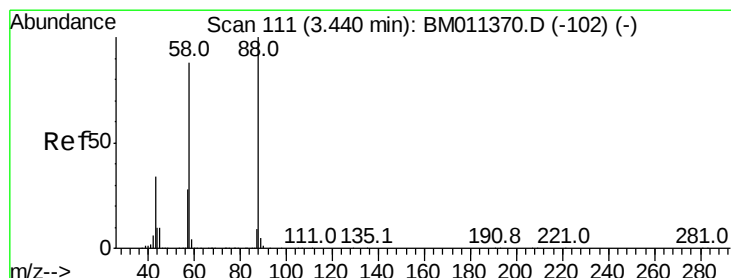
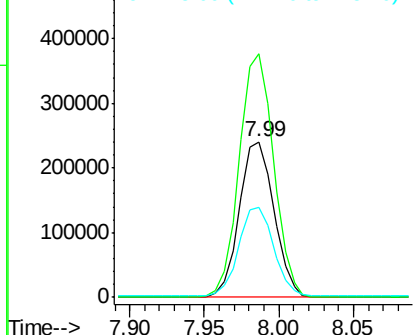
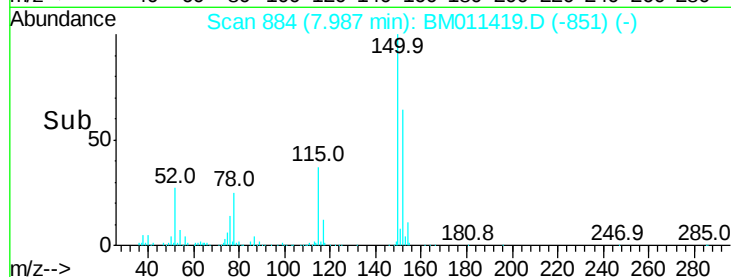
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

Instrument :
BNA_M
ClientSampleId :
T2-T3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	119.5	179.3
115	58.3	43.0	64.4



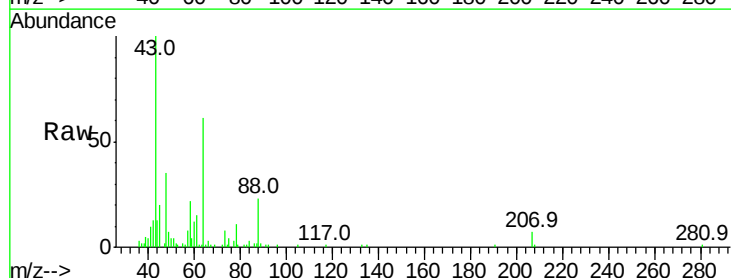
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



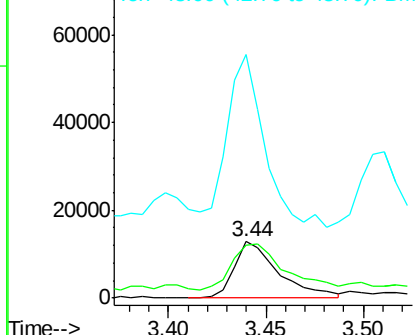
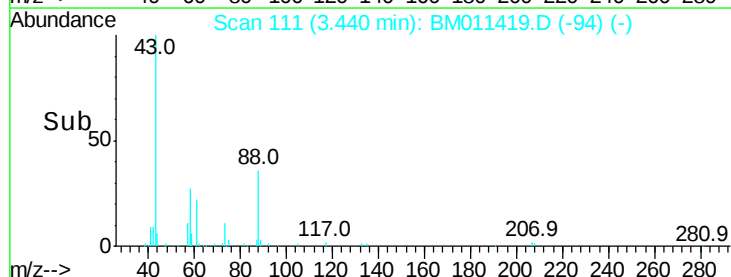
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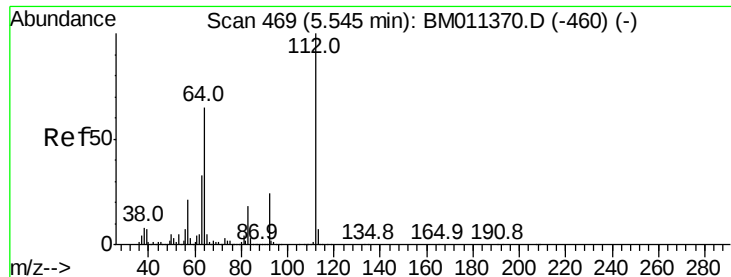
1,4-Dioxane
Concen: 2.109 ng
RT: 3.44 min Scan# 111
Delta R.T. 0.00 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	93.8	0.0	0.0#
43	255.5	0.0	0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#5

2-Fluorophenol

Concen: 153.670 ng

RT: 5.55 min Scan# 469

Delta R.T. 0.00 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

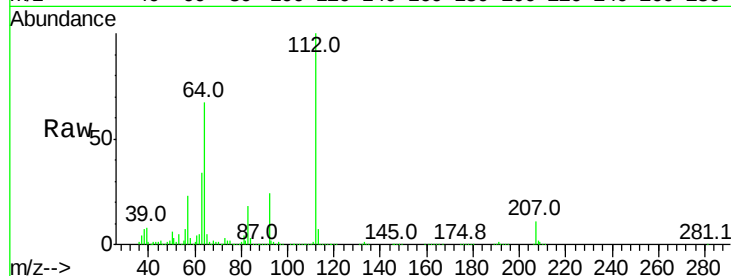
Tot Ion:112 Resp: 3551660

Ion Ratio Lower Upper

112 100

64 67.1 38.6 57.8#

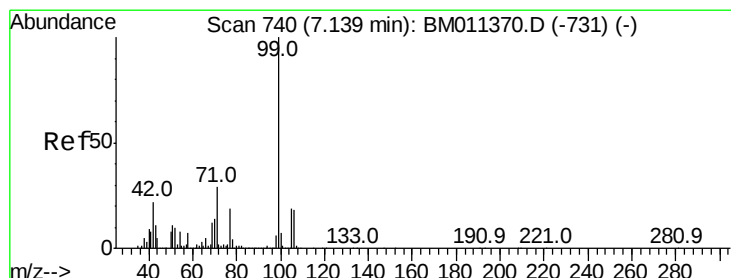
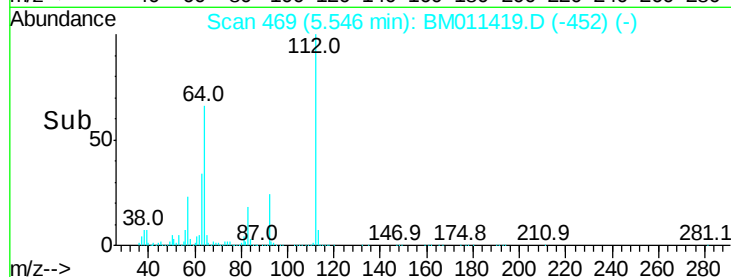
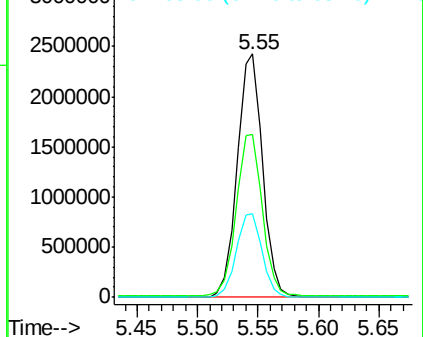
63 34.3 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 64.489 ng

RT: 7.13 min Scan# 739

Delta R.T. -0.01 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

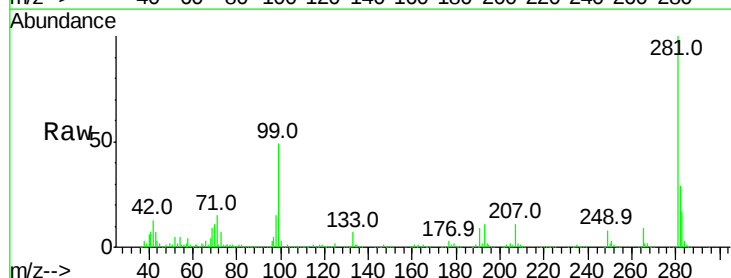
Tgt Ion: 99 Resp: 2066728

Ion Ratio Lower Upper

99 100

42 27.3 11.0 16.4#

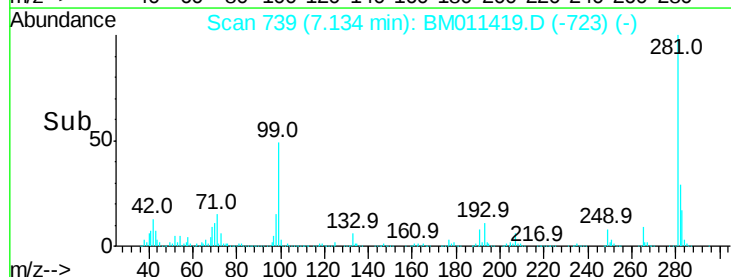
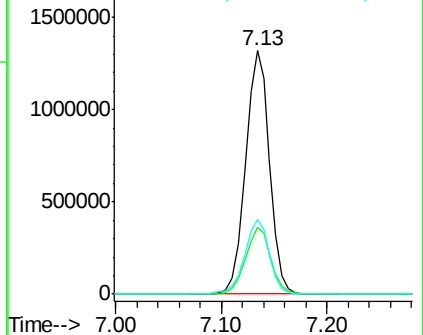
71 30.6 23.4 35.2

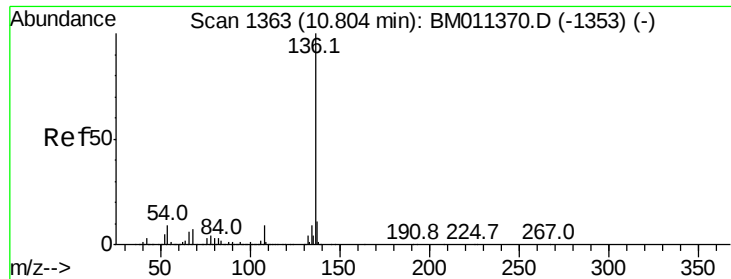


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM

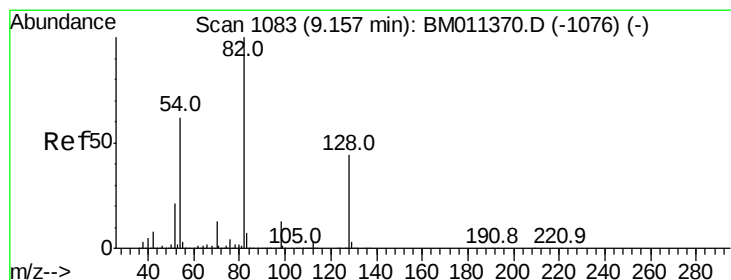
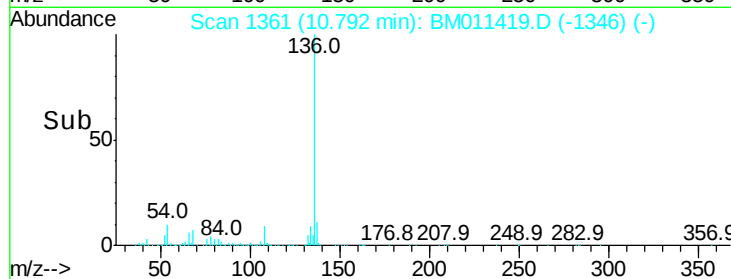
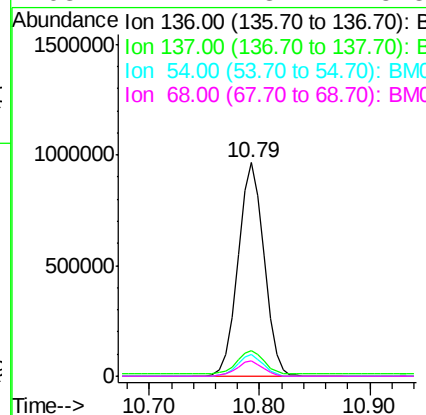
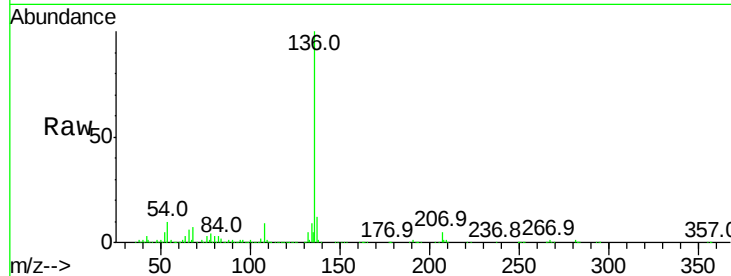




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

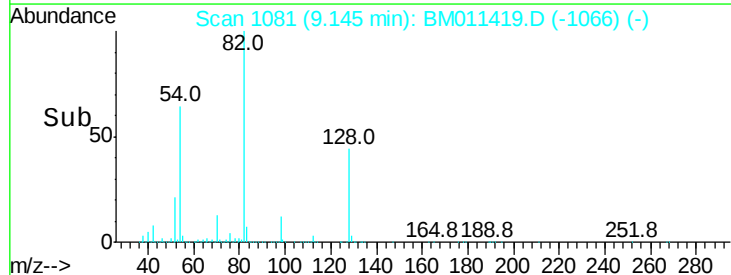
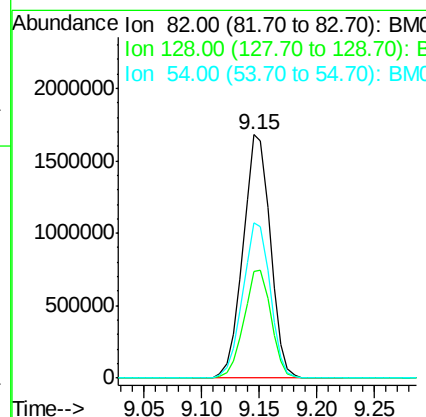
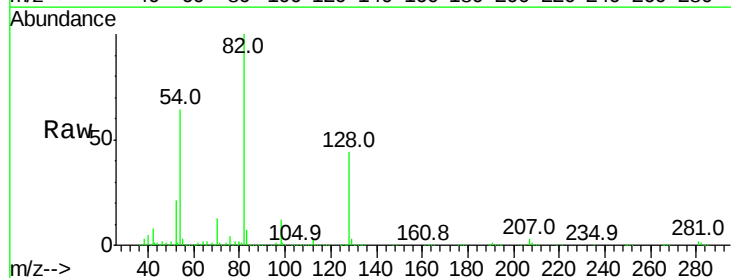
Instrument :
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T2-T3-COMP

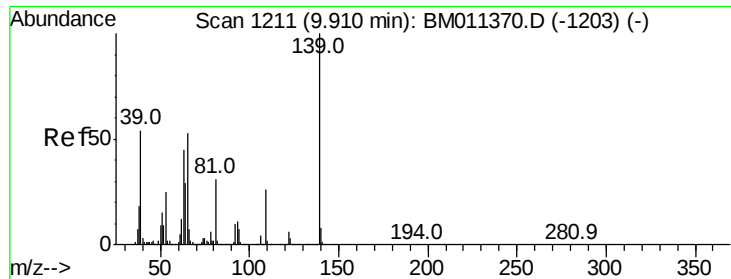
Tot Ion:136 Resp: 1598773
Ion Ratio Lower Upper
136 100
137 11.8 8.7 13.1
54 10.3 4.6 6.8#
68 7.1 3.7 5.5#



#23
Nitrobenzene-d5
Concen: 113.632 ng
RT: 9.15 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

Tgt Ion: 82 Resp: 2756853
Ion Ratio Lower Upper
82 100
128 43.7 32.8 49.2
54 64.0 40.6 60.8#

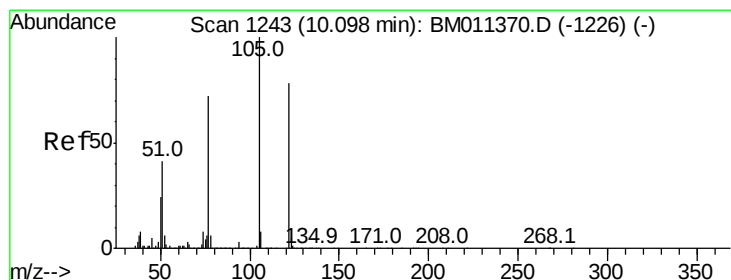
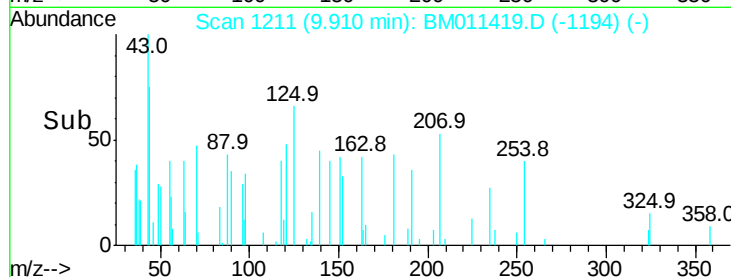
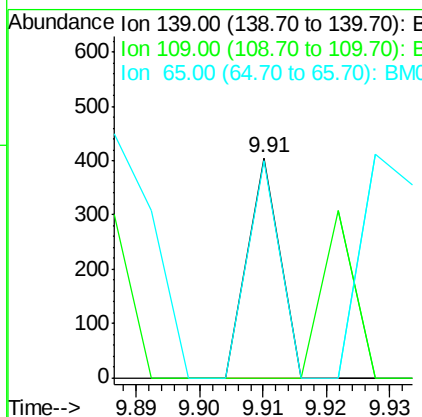
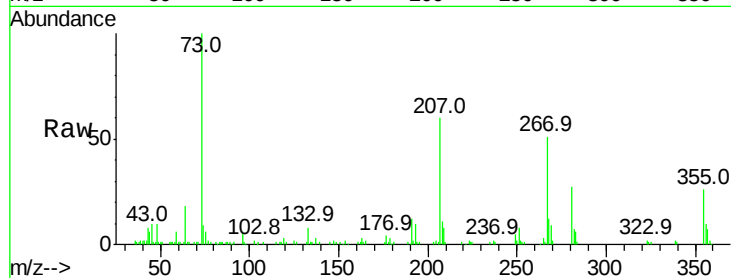




#26
2-Nitrophenol
Concen: 6.442 ng
RT: 9.91 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

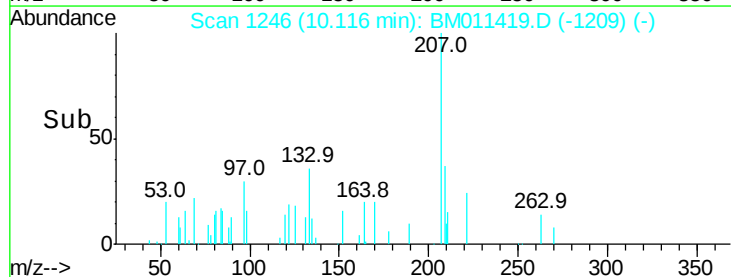
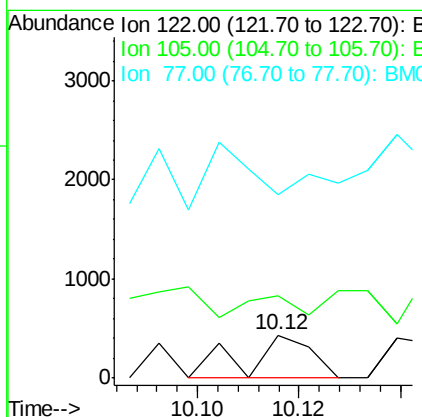
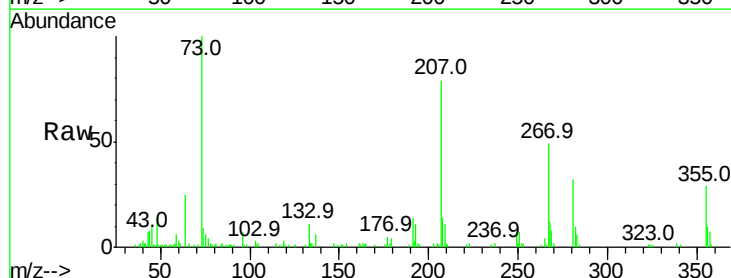
Instrument :
BNA_M
ClientSampleId :
T2-T3-COMP

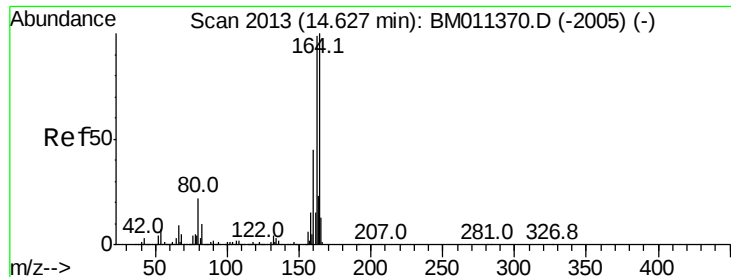
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	20.1	30.1#
65	98.8	31.5	47.3#



#32
Benzoic acid
Concen: 6.560 ng
RT: 10.12 min Scan# 1246
Delta R.T. 0.02 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

Tgt Ion	Ratio	Lower	Upper
122	100		
105	191.9	99.9	139.9#
77	427.3	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: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

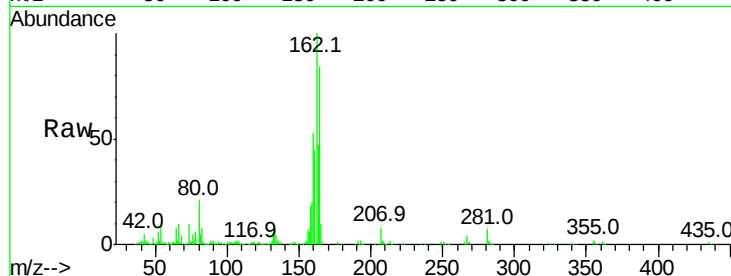
Tot Ion:164 Resp: 280150

Ion Ratio Lower Upper

164 100

162 119.4 82.4 123.6

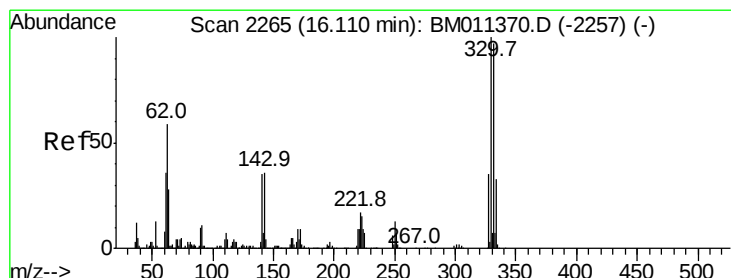
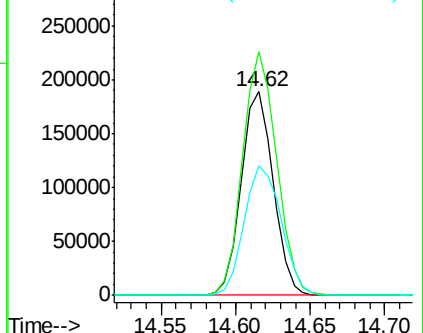
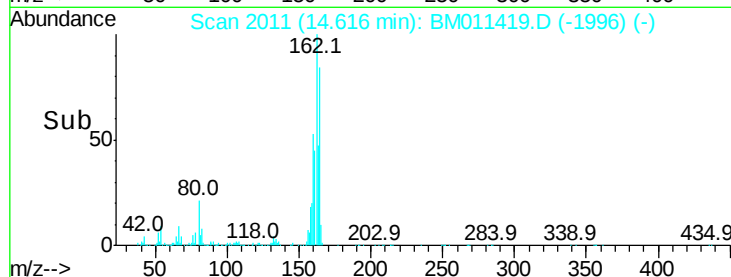
160 63.3 35.8 53.6#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 414.076 ng

RT: 16.10 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

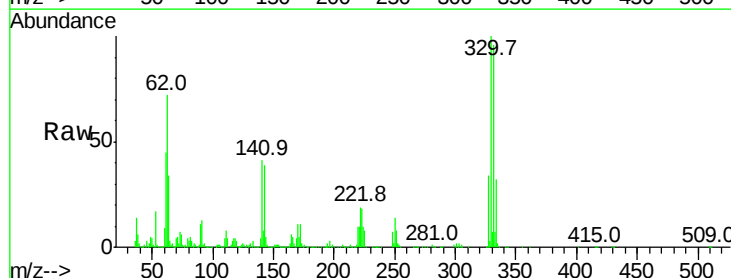
Tgt Ion:330 Resp: 1342109

Ion Ratio Lower Upper

330 100

332 97.0 0.0 0.0#

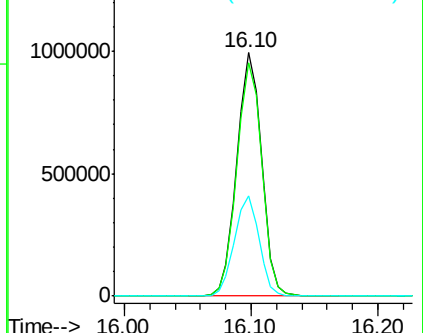
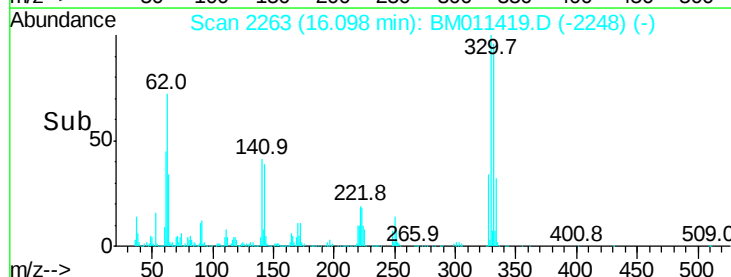
141 41.1 0.0 0.0#

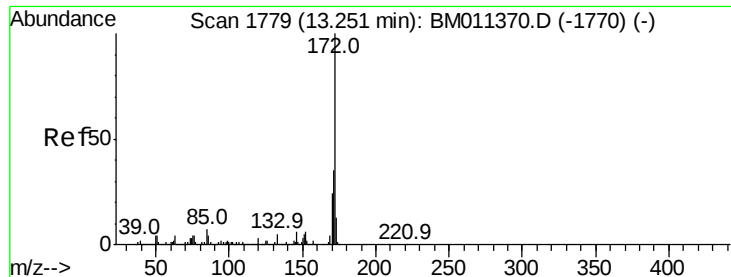


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

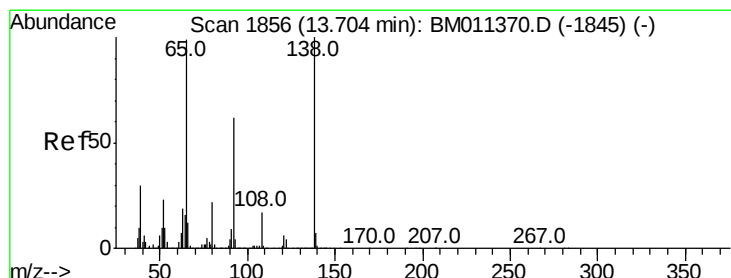
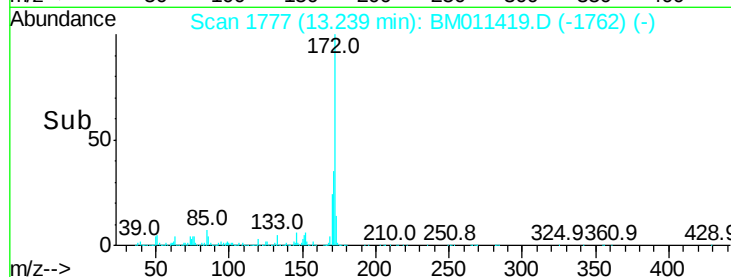
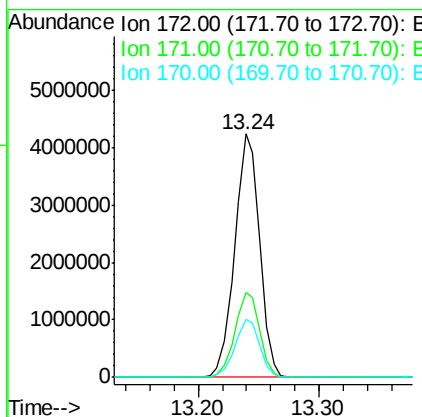
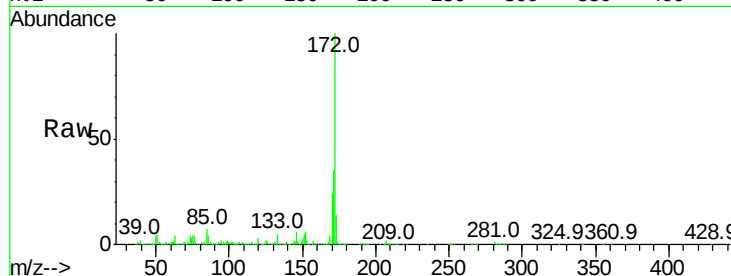




#44
2-Fluorobiphenyl
Concen: 311.296 ng
RT: 13.24 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

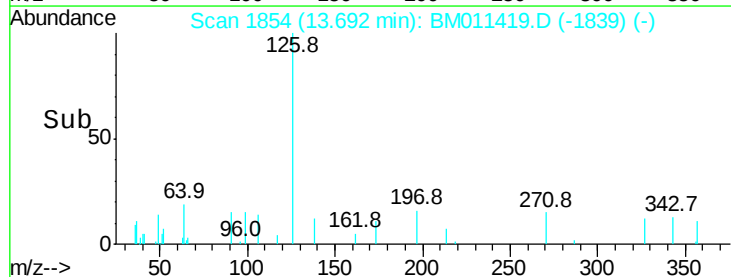
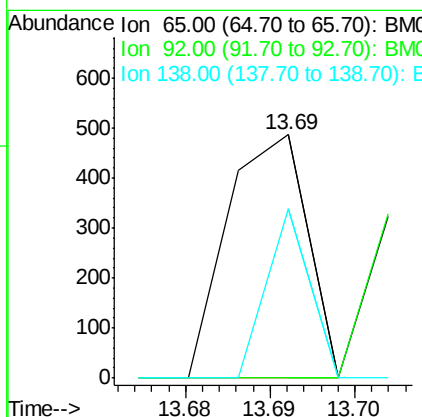
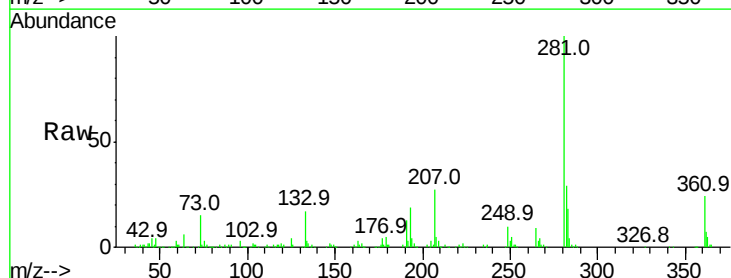
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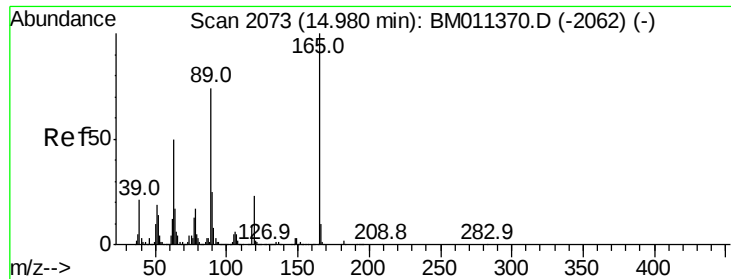
Tot Ion:172 Resp: 6049990
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.9 18.8 28.2



#47
2-Nitroaniline
Concen: 5.485 ng
RT: 13.69 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

Tgt Ion: 65 Resp: 318
Ion Ratio Lower Upper
65 100
92 0.0 59.1 88.7#
138 69.4 93.9 140.9#

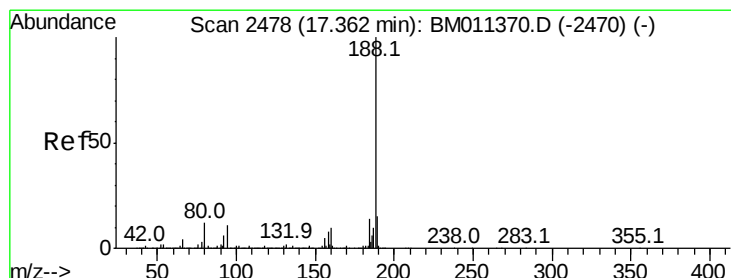
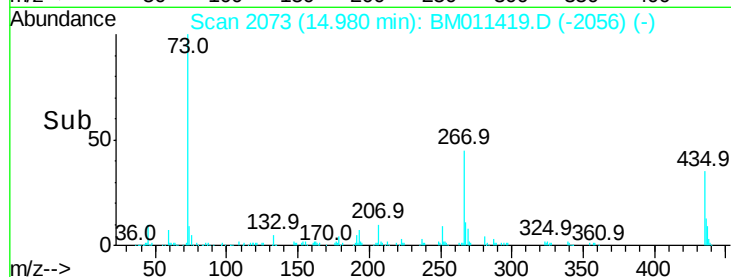
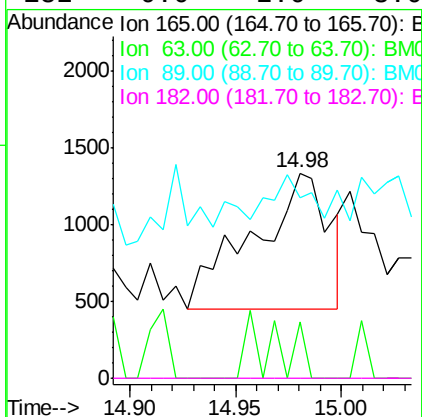
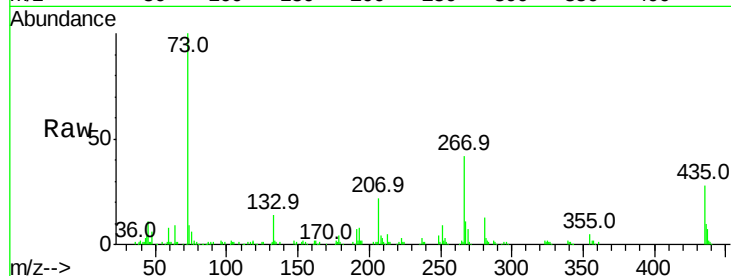




#56
 2,4-Dinitrotoluene
 Concen: 5.470 ng
 RT: 14.98 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: BM011419.D
 Acq: 02 Sep 2017 17:18

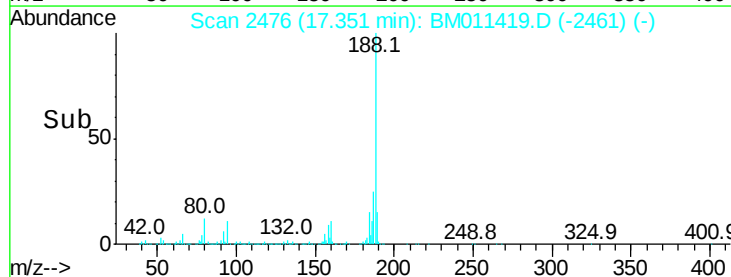
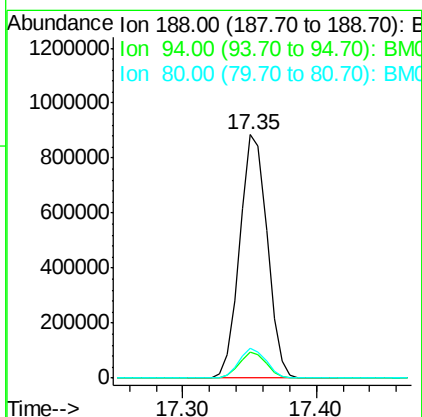
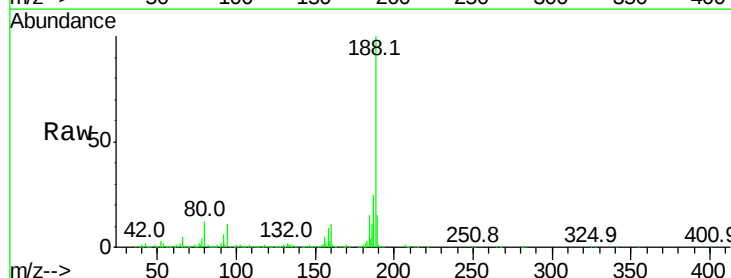
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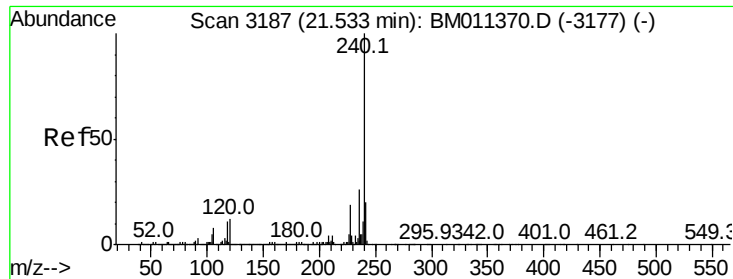
Tot Ion:165 Resp: 2206
 Ion Ratio Lower Upper
 165 100
 63 27.6 52.4 78.6#
 89 88.2 72.4 108.6
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2476
 Delta R.T. -0.01 min
 Lab File: BM011419.D
 Acq: 02 Sep 2017 17:18

Tgt Ion:188 Resp: 1261286
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.7 13.1
 80 12.1 9.3 13.9





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.52 min Scan# 3184

Delta R.T. -0.02 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

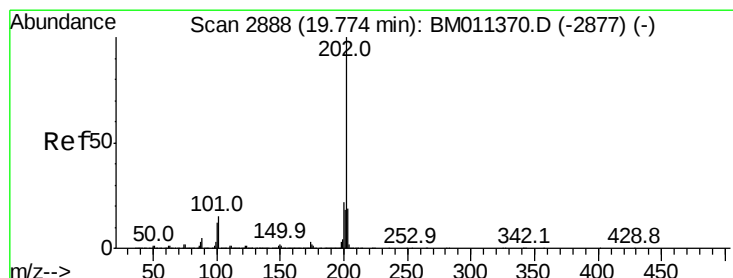
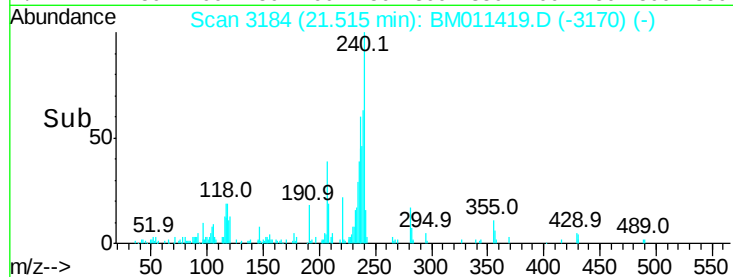
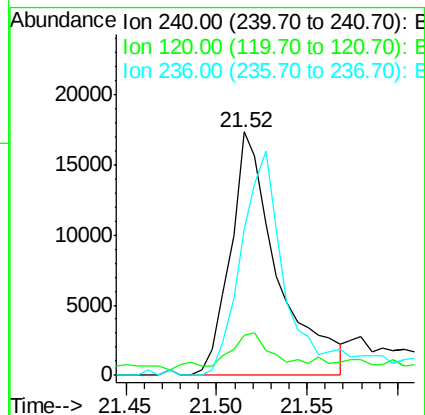
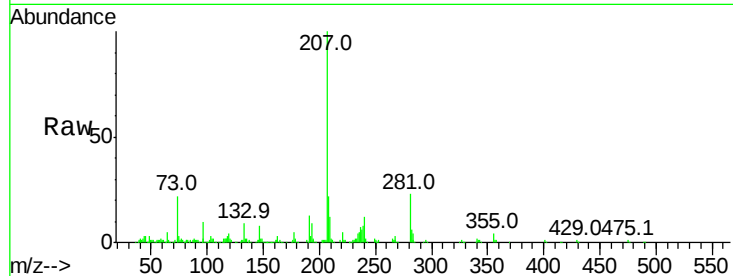
Tot Ion:240 Resp: 31433

Ion Ratio Lower Upper

240 100

120 16.5 8.2 12.2#

236 60.1 20.0 30.0#



#77

Pyrene

Concen: 3.592 ng

RT: 19.77 min Scan# 2888

Delta R.T. 0.00 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

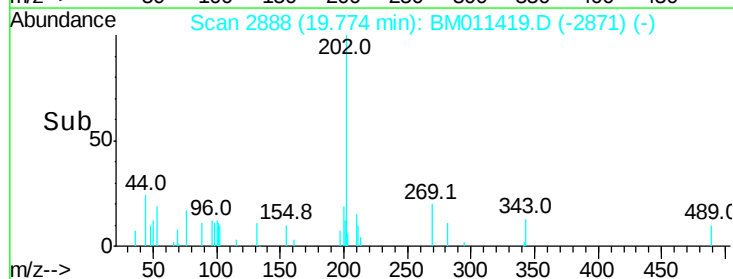
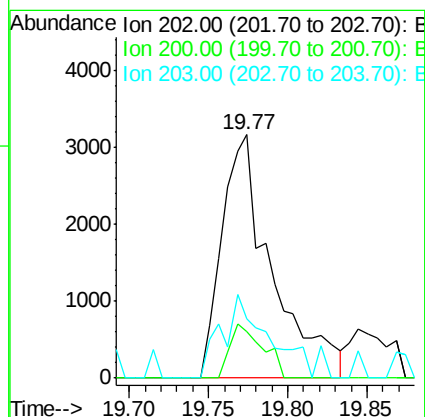
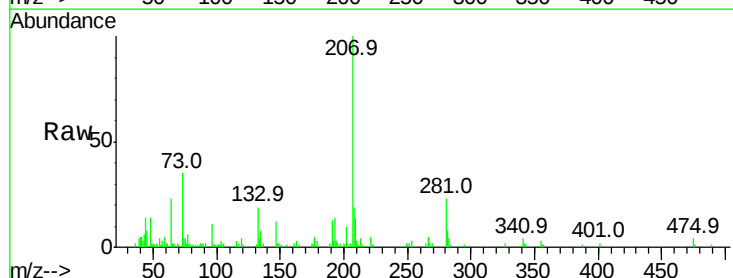
Tgt Ion:202 Resp: 6918

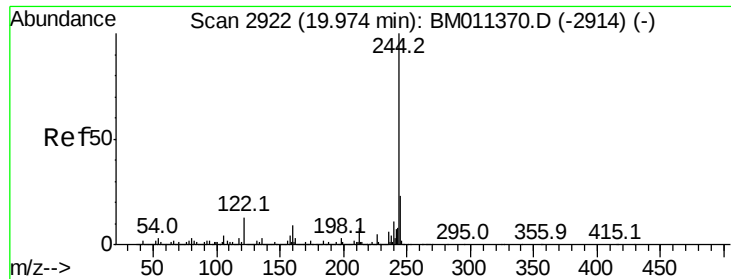
Ion Ratio Lower Upper

202 100

200 19.1 16.9 25.3

203 24.3 14.1 21.1#





#78

Terphenyl-d14

Concen: 2438.990 ng

RT: 19.96 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

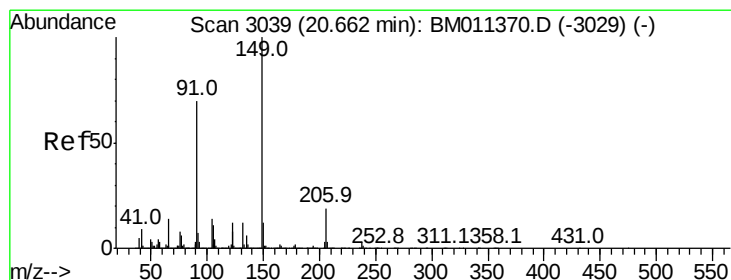
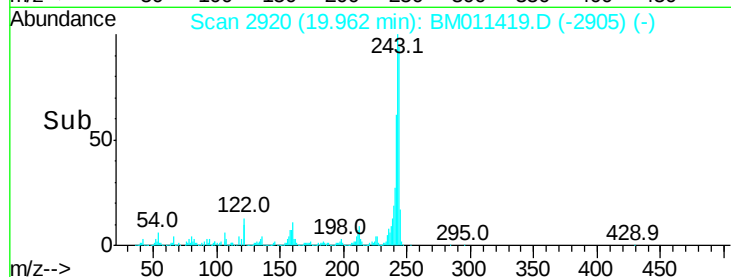
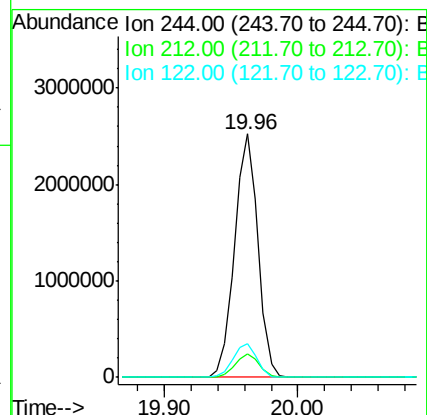
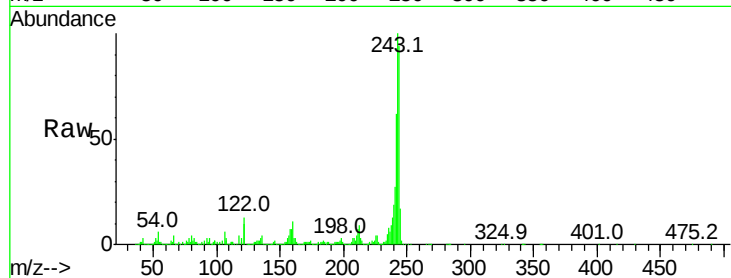
Tot Ion:244 Resp: 3089803

Ion Ratio Lower Upper

244 100

212 9.9 4.9 7.3#

122 13.7 6.2 9.4#



#79

Butylbenzylphthalate

Concen: 7.730 ng

RT: 20.62 min Scan# 3032

Delta R.T. -0.04 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

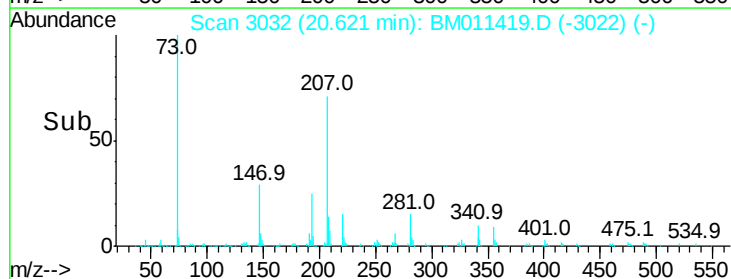
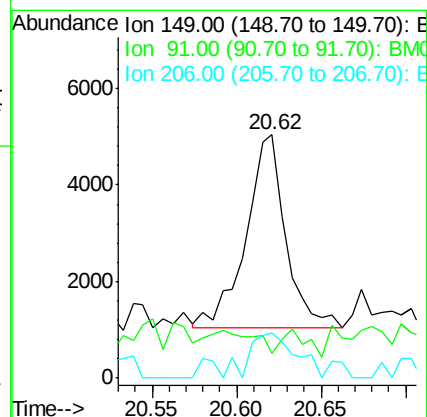
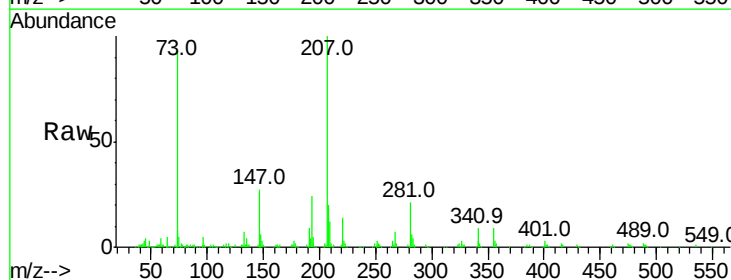
Tgt Ion:149 Resp: 6578

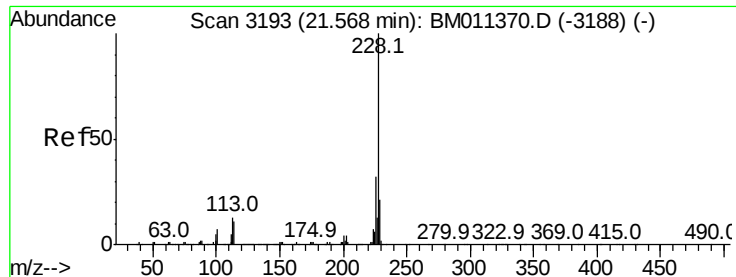
Ion Ratio Lower Upper

149 100

91 10.4 50.1 75.1#

206 18.7 16.2 24.2





#82

Chrysene

Concen: 7.803 ng

RT: 21.54 min Scan# 3189

Delta R.T. -0.02 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

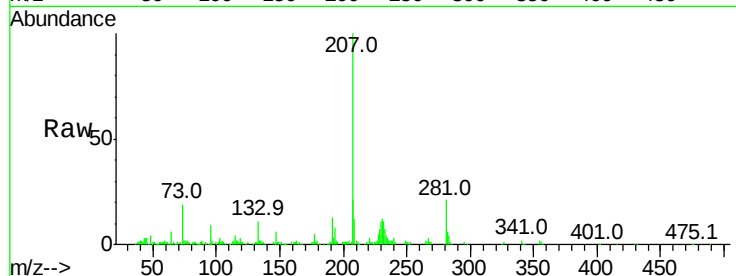
Tot Ion:228 Resp: 12929

Ion Ratio Lower Upper

228 100

226 26.2 24.1 36.1

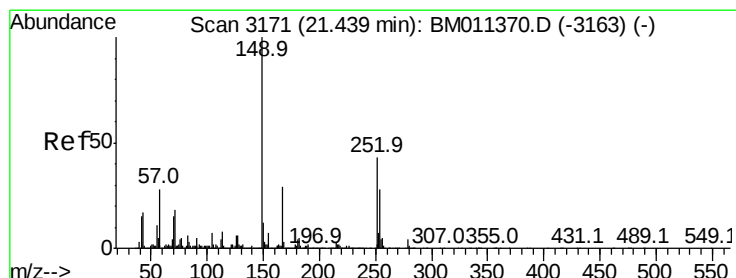
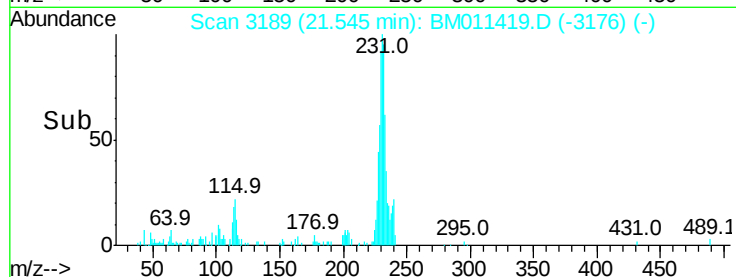
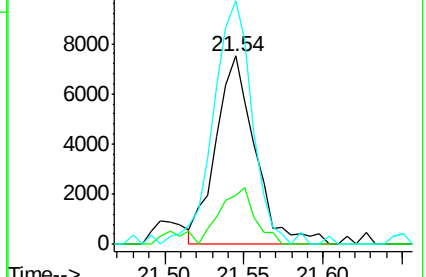
229 129.2 15.5 23.3#



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: 4.640 ng

RT: 21.46 min Scan# 3174

Delta R.T. 0.02 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

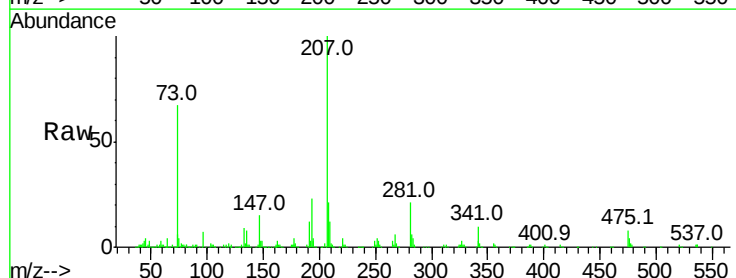
Tgt Ion:149 Resp: 5789

Ion Ratio Lower Upper

149 100

167 12.7 22.4 33.6#

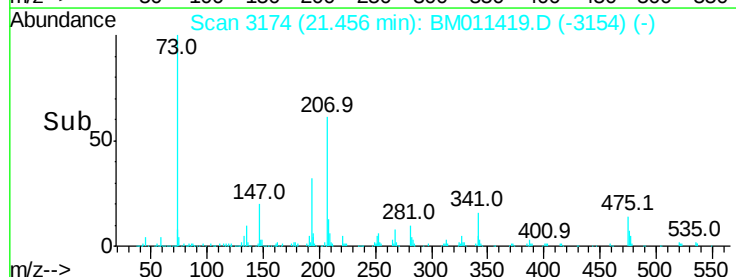
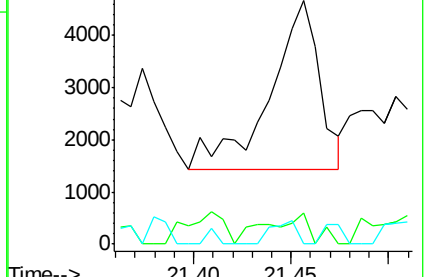
279 0.0 3.4 5.0#

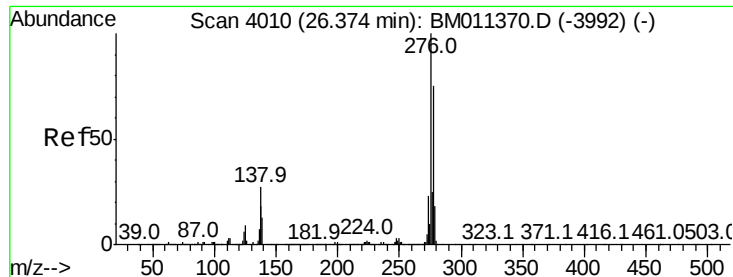


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

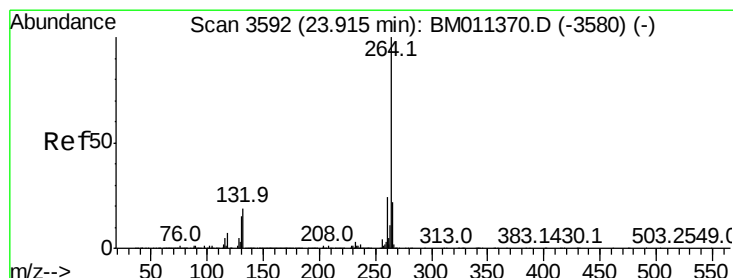
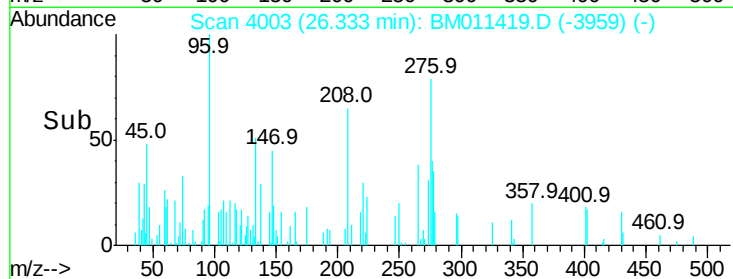
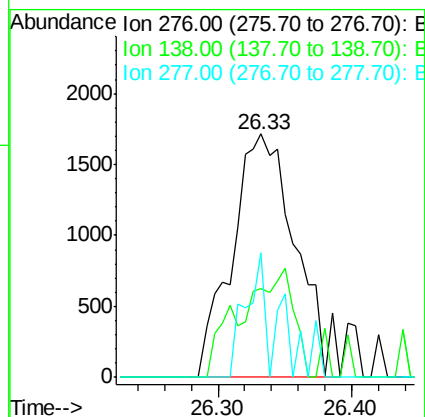
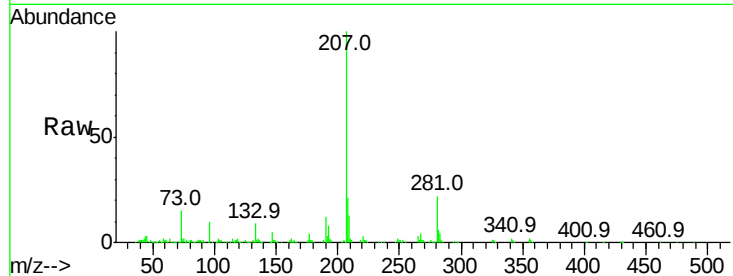




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.685 ng
RT: 26.33 min Scan# 4003
Delta R.T. -0.04 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

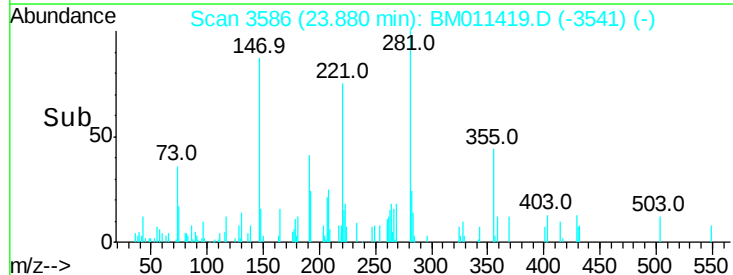
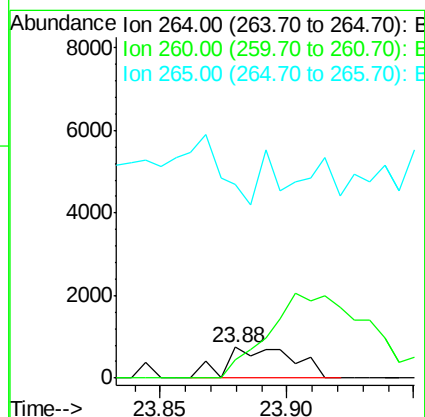
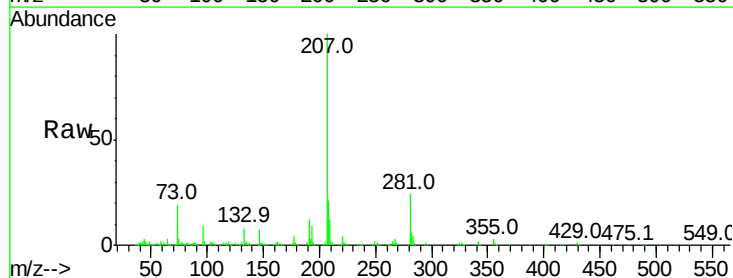
Instrument :
BNA_M
ClientSampleId :
T2-T3-COMP

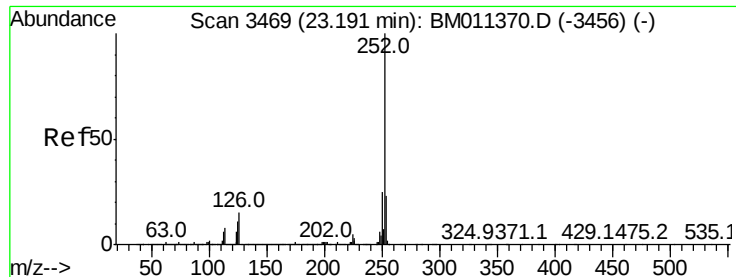
Tot Ion:276 Resp: 5696
Ion Ratio Lower Upper
276 100
138 27.7 12.0 18.0#
277 14.9 20.0 30.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.88 min Scan# 3586
Delta R.T. -0.04 min
Lab File: BM011419.D
Acq: 02 Sep 2017 17:18

Tgt Ion:264 Resp: 1395
Ion Ratio Lower Upper
264 100
260 61.1 18.6 27.8#
265 629.4 17.3 25.9#





#87

Benzo(b)fluoranthene

Concen: 31.385 ng

RT: 23.17 min Scan# 3465

Delta R.T. -0.02 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

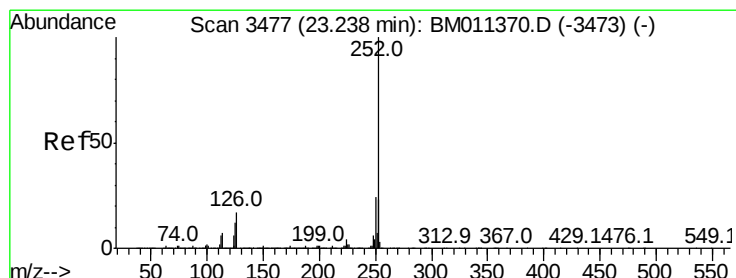
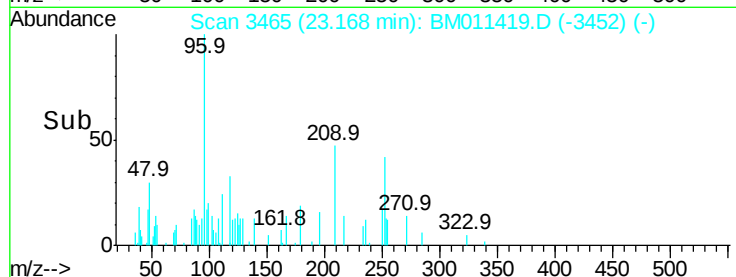
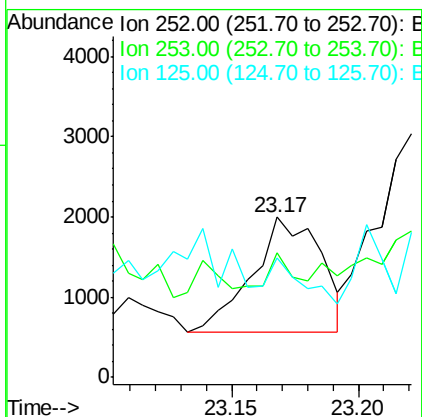
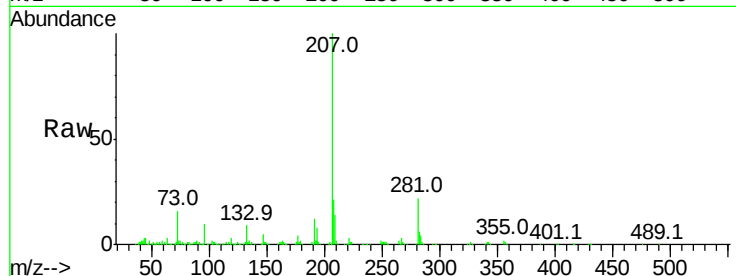
Tot Ion:252 Resp: 2688

Ion Ratio Lower Upper

252 100

253 77.9 18.0 27.0#

125 118.7 9.9 14.9#



#88

Benzo(k)fluoranthene

Concen: 63.228 ng

RT: 23.23 min Scan# 3475

Delta R.T. -0.01 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

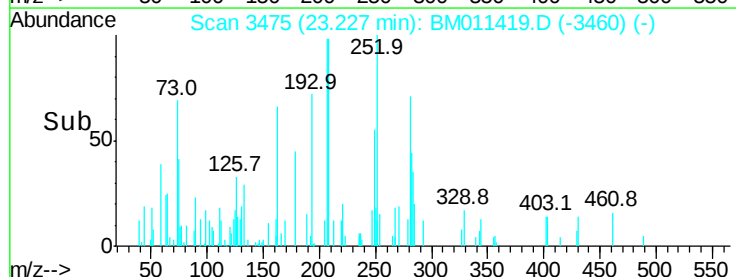
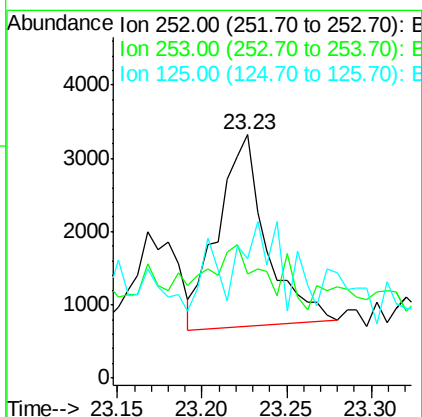
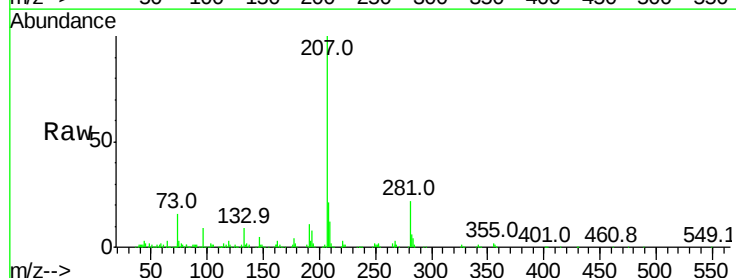
Tgt Ion:252 Resp: 5192

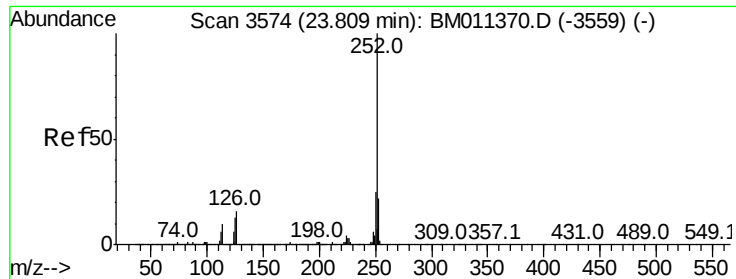
Ion Ratio Lower Upper

252 100

253 42.8 17.2 25.8#

125 75.2 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 34.811 ng

RT: 23.79 min Scan# 3570

Delta R.T. -0.02 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

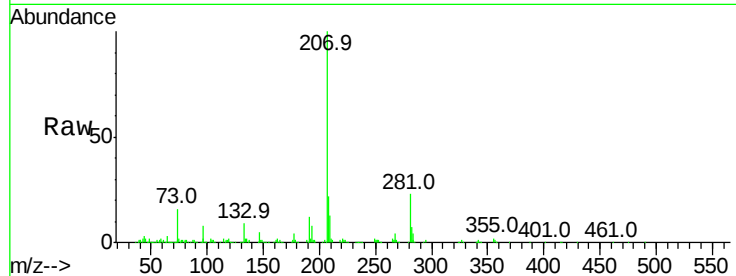
Tot Ion:252 Resp: 2689

Ion Ratio Lower Upper

252 100

253 49.0 17.6 26.4#

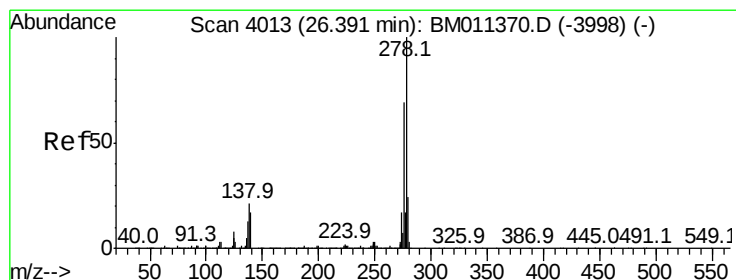
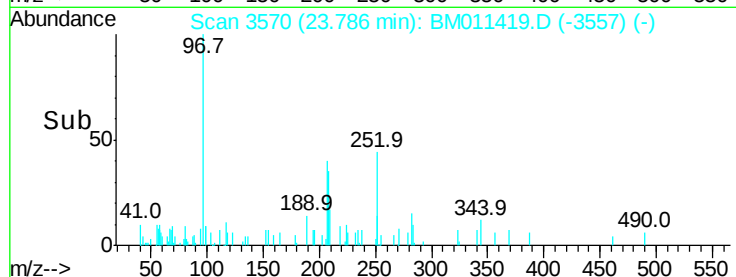
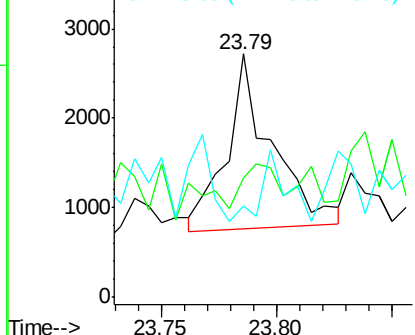
125 37.2 7.4 11.2#



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



#90

Dibenzo(a,h)anthracene

Concen: 49.977 ng

RT: 26.34 min Scan# 4005

Delta R.T. -0.05 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

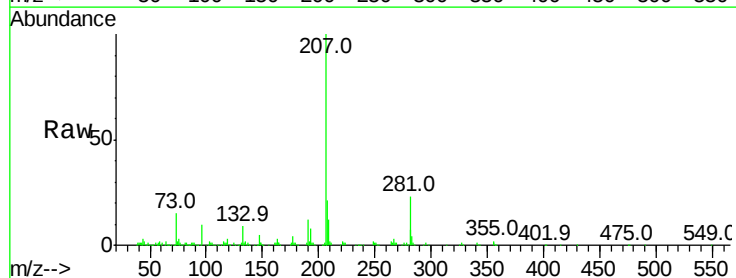
Tgt Ion:278 Resp: 3304

Ion Ratio Lower Upper

278 100

139 32.2 13.4 20.0#

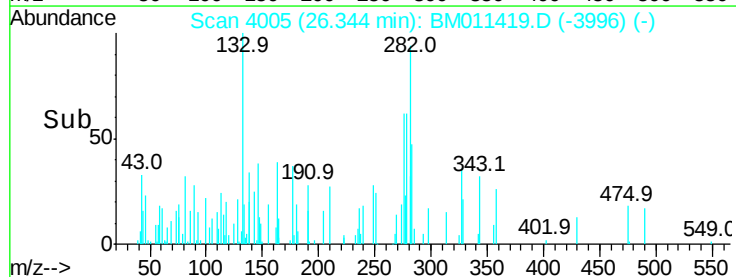
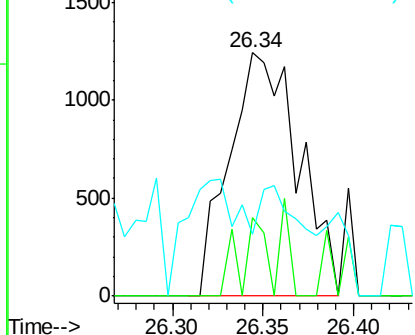
279 25.4 19.0 28.4

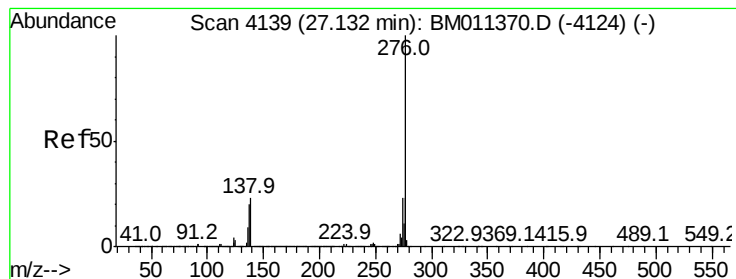


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 60.541 ng

RT: 27.07 min Scan# 4129

Delta R.T. -0.06 min

Lab File: BM011419.D

Acq: 02 Sep 2017 17:18

Instrument :

BNA_M

ClientSampleId :

T2-T3-COMP

Tot Ion:276 Resp: 3868

Ion Ratio Lower Upper

276 100

277 29.2 18.5 27.7#

138 31.2 19.0 28.6#

