

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120518\
 Data File : BM017913.D
 Acq On : 04 Dec 2018 21:35
 Operator : JU/SJ
 Sample : J5771-07 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-02-112918-A

Quant Time: Dec 05 00:27:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

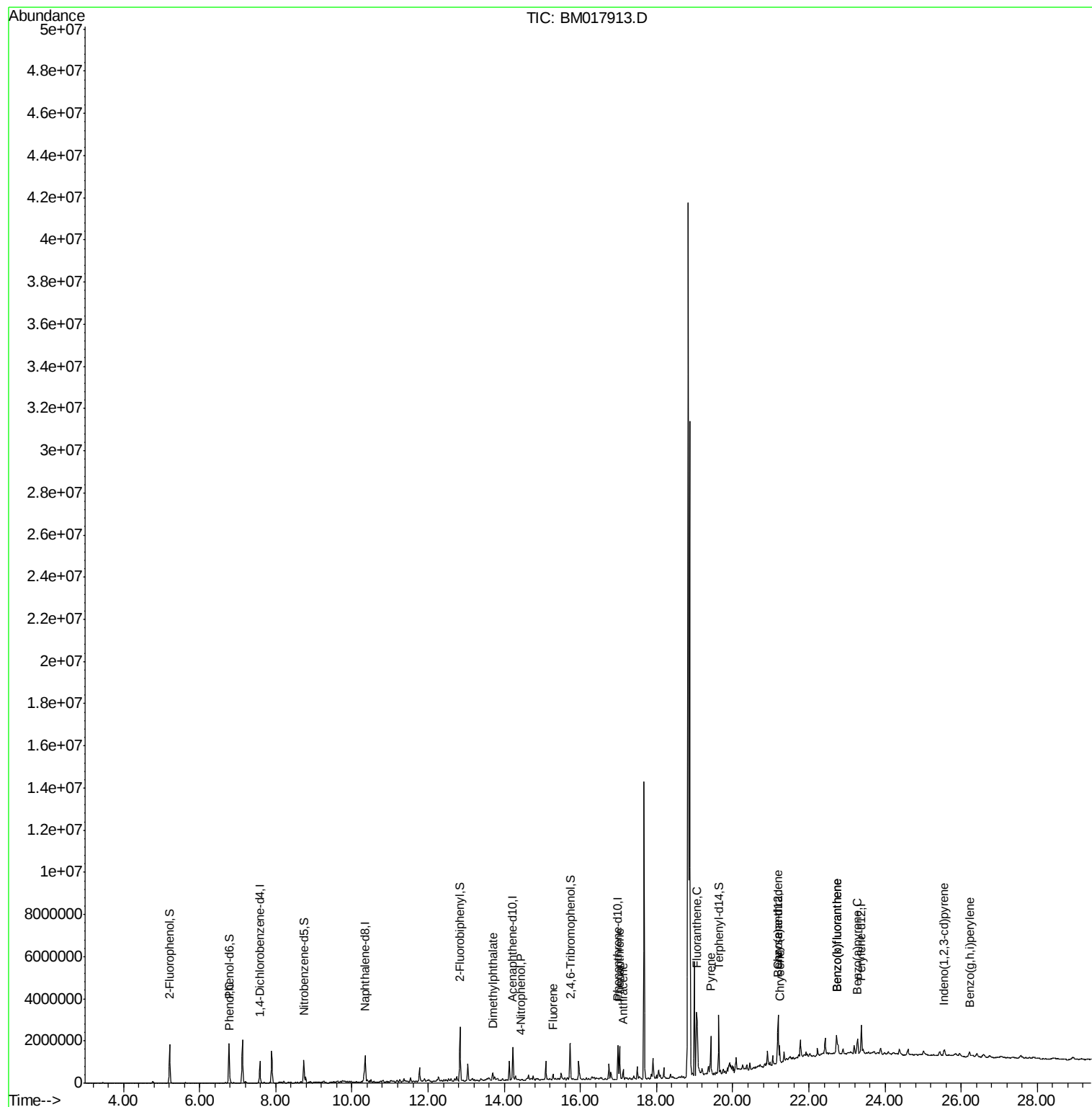
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	272442	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	1054546	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	526200	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	936949	20.00	ng	-0.03
76) Chrysene-d12	21.19	240	890655	20.00	ng	-0.02
87) Perylene-d12	23.38	264	977390	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	814365	50.45	ng	-0.03
7) Phenol-d6	6.77	99	1104977	49.01	ng	-0.03
23) Nitrobenzene-d5	8.73	82	648415	31.74	ng	-0.04
42) 2,4,6-Tribromophenol	15.73	330	320980	42.45	ng	-0.03
45) 2-Fluorobiphenyl	12.84	172	1341664	33.08	ng	-0.04
79) Terphenyl-d14	19.63	244	1255100	31.94	ng	-0.02
Target Compounds						
10) Phenol	6.80	94	63705	2.692	ng	Qvalue 96
50) Dimethylphthalate	13.69	163	125028	2.922	ng	98
56) 4-Nitrophenol	14.43	139	3838	5.369	ng	# 61
58) Fluorene	15.29	166	120198	2.972	ng	97
71) Phenanthrene	17.03	178	903164	17.764	ng	99
72) Anthracene	17.12	178	302123	6.107	ng	100
75) Fluoranthene	19.06	202	1172957	20.390	ng	98
78) Pyrene	19.42	202	1056862	19.232	ng	98
81) Benzo(a)anthracene	21.18	228	515023	10.037	ng	98
83) Chrysene	21.23	228	432090	8.670	ng	97
86) Indeno(1,2,3-cd)pyrene	25.55	276	262003	6.579	ng	97
88) Benzo(b)fluoranthene	22.73	252	735010	12.841	ng	# 93
89) Benzo(k)fluoranthene	22.73	252	735314	12.710	ng	# 94
90) Benzo(a)pyrene	23.28	252	426016	8.163	ng	# 93
92) Benzo(g,h,i)perylene	26.21	276	244924	5.936	ng	# 93

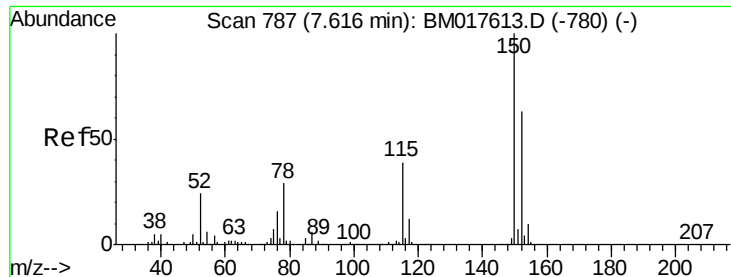
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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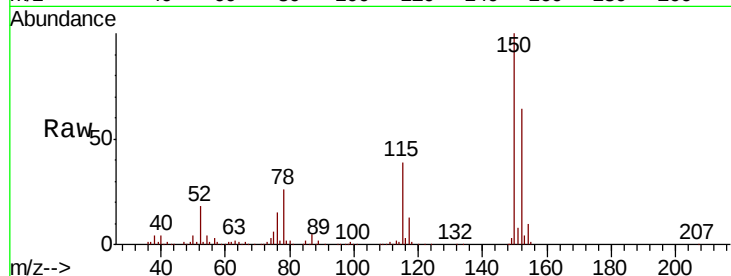


#1

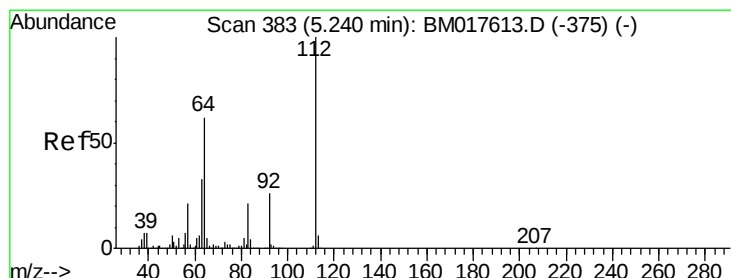
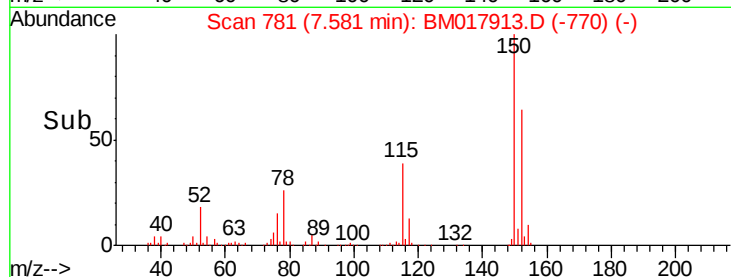
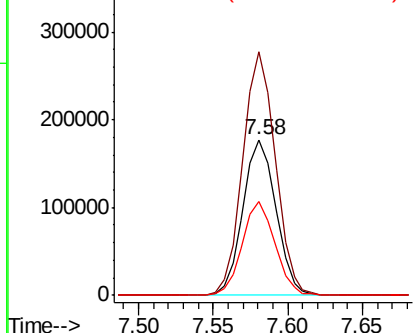
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017913.D
Acq: 04 Dec 2018 21:35

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-A

Tgt Ion:152 Resp: 272442
Ion Ratio Lower Upper
152 100
150 156.8 126.4 189.6
115 60.6 49.4 74.0



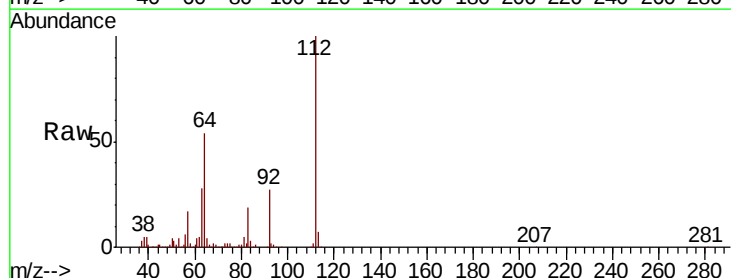
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



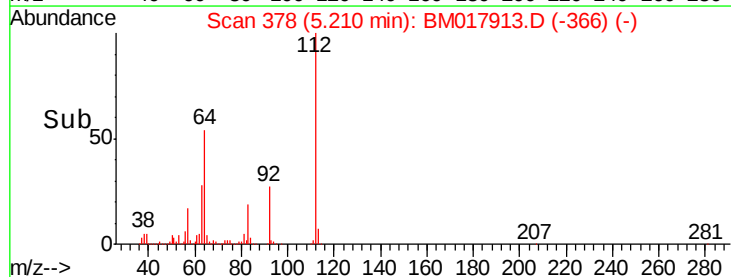
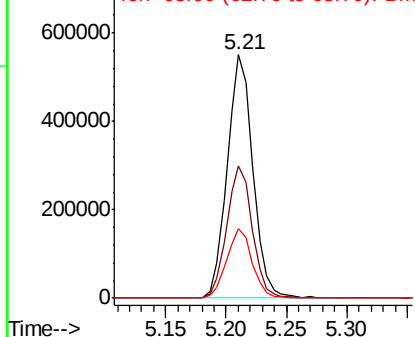
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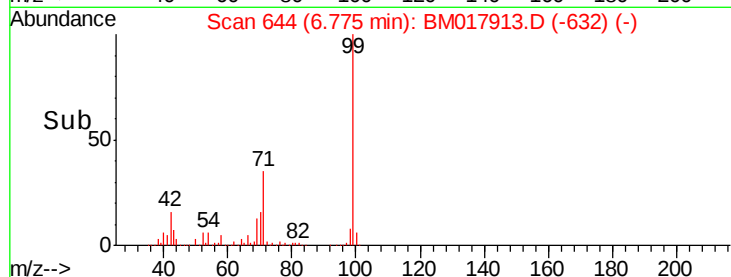
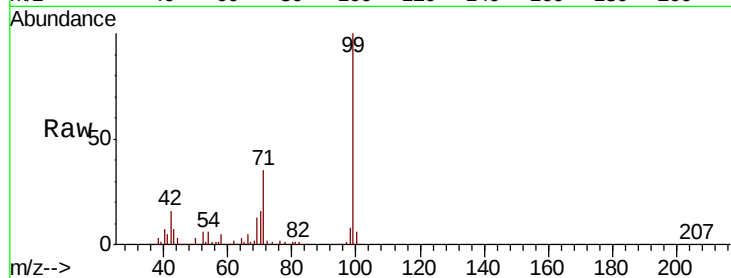
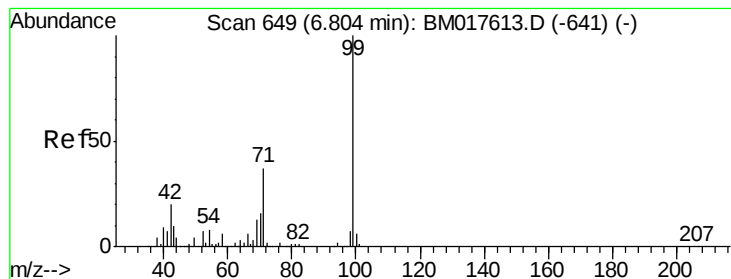
2-Fluorophenol
Concen: 50.446 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017913.D
Acq: 04 Dec 2018 21:35

Tgt Ion:112 Resp: 814365
Ion Ratio Lower Upper
112 100
64 54.4 49.3 73.9
63 28.4 26.2 39.4



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: 49.009 ng

RT: 6.77 min Scan# 644

Delta R.T. -0.03 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

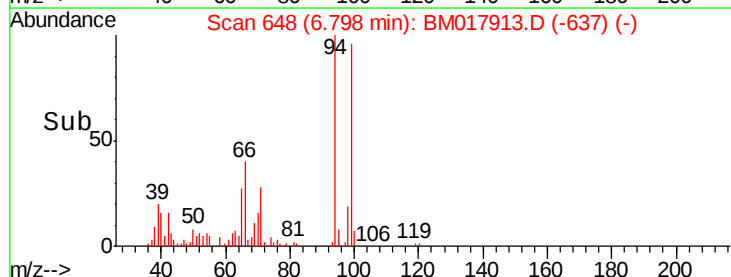
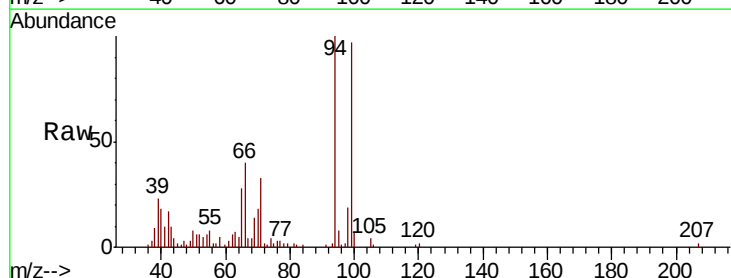
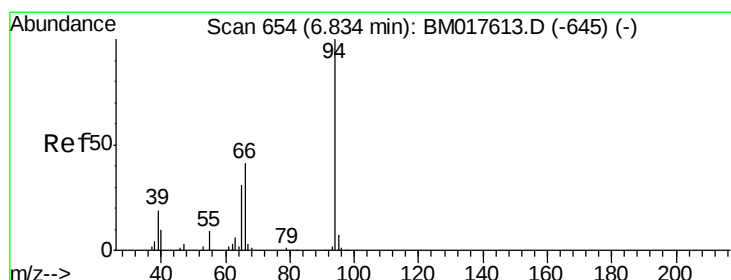
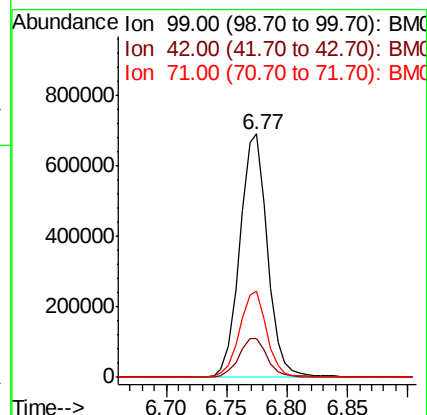
Tgt Ion: 99 Resp: 1104977

Ion Ratio Lower Upper

99 100

42 15.8 16.3 24.5#

71 35.3 29.8 44.8



#10

Phenol

Concen: 2.692 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.04 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

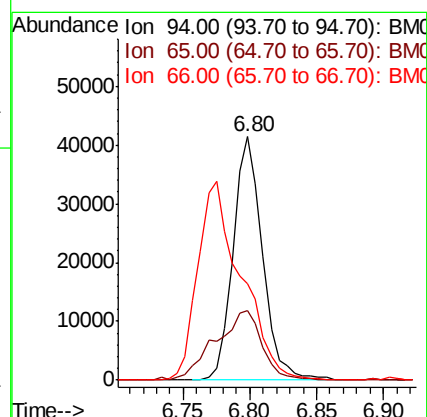
Tgt Ion: 94 Resp: 63705

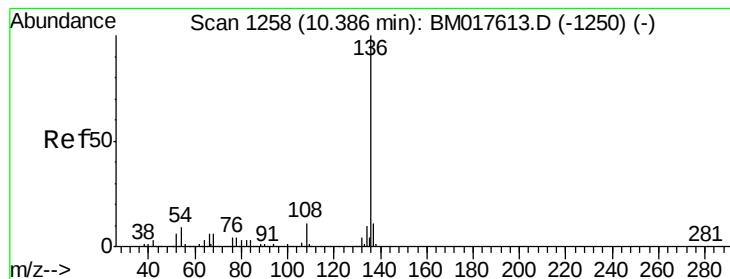
Ion Ratio Lower Upper

94 100

65 28.4 11.4 51.4

66 39.8 21.4 61.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1252

Delta R.T. -0.04 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

Tgt Ion:136 Resp: 1054546

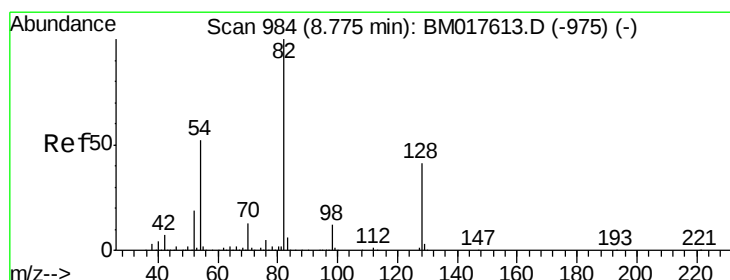
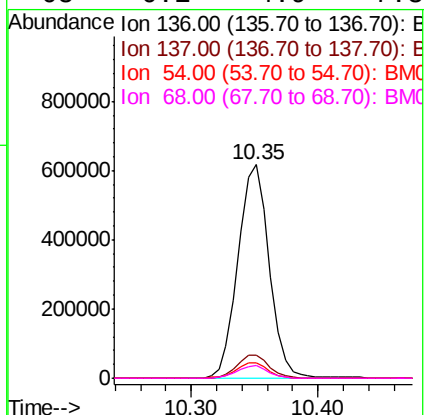
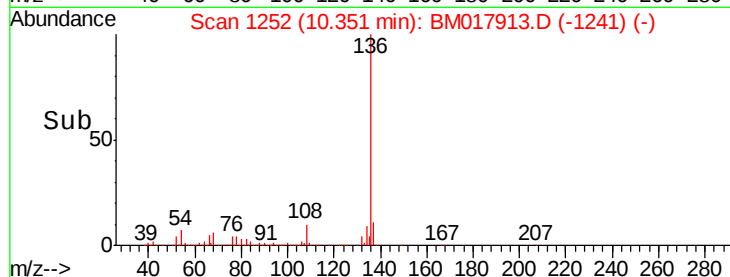
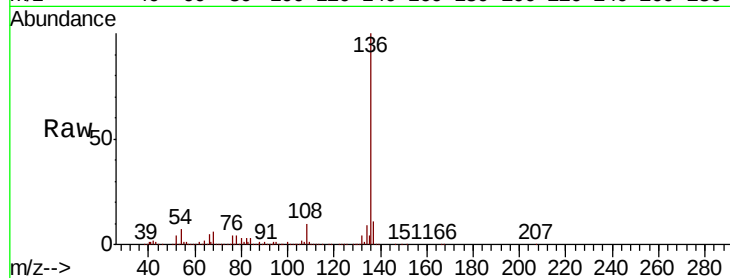
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.9 7.0 10.6#

68 6.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 31.743 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.04 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

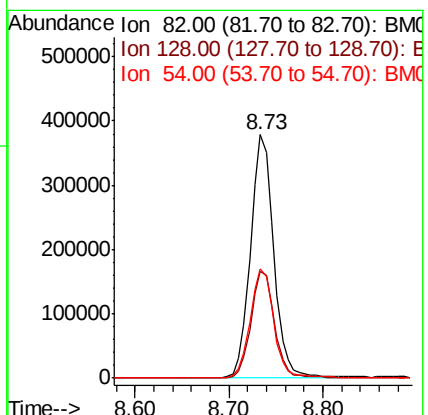
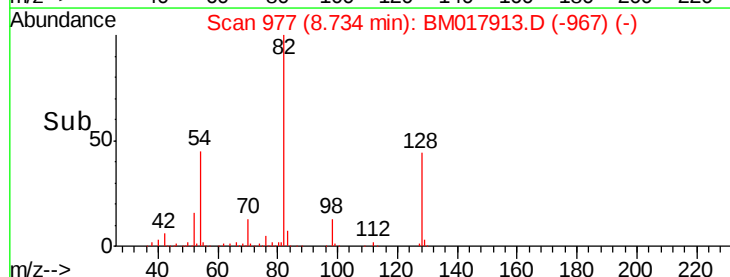
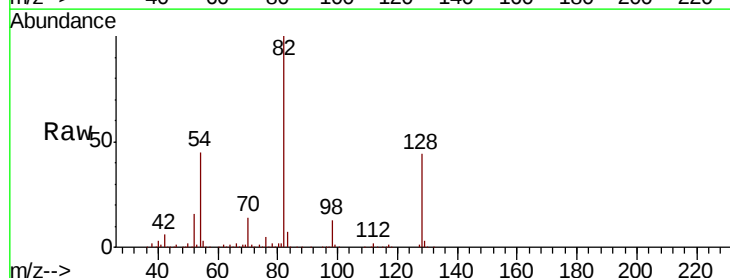
Tgt Ion: 82 Resp: 648415

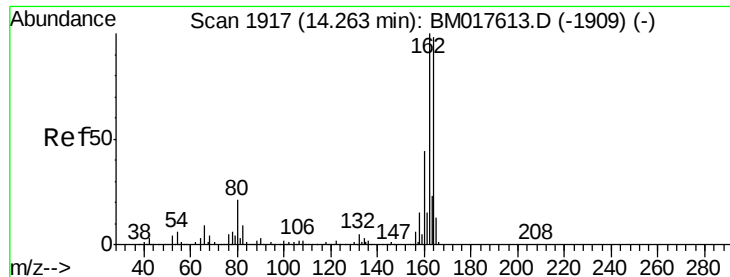
Ion Ratio Lower Upper

82 100

128 43.8 33.0 49.4

54 44.6 41.4 62.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1911

Delta R.T. -0.04 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

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EO-02-112918-A

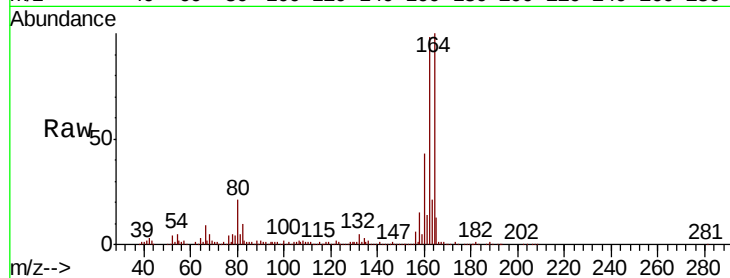
Tgt Ion:164 Resp: 526200

Ion Ratio Lower Upper

164 100

162 98.5 81.4 122.0

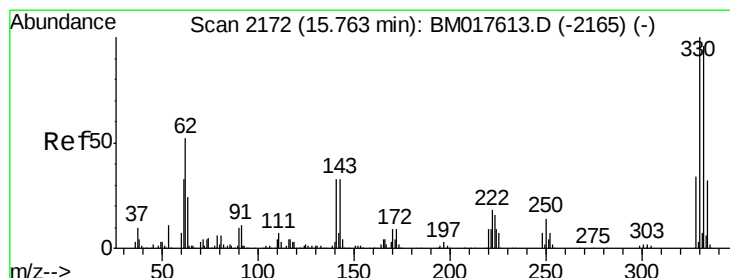
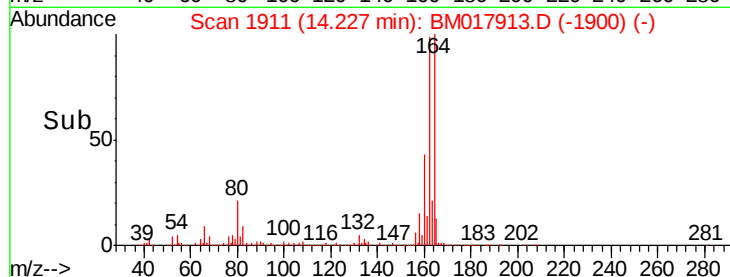
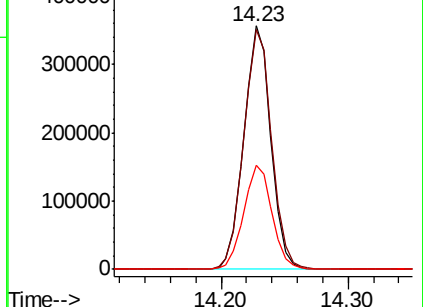
160 42.8 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 42.453 ng

RT: 15.73 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

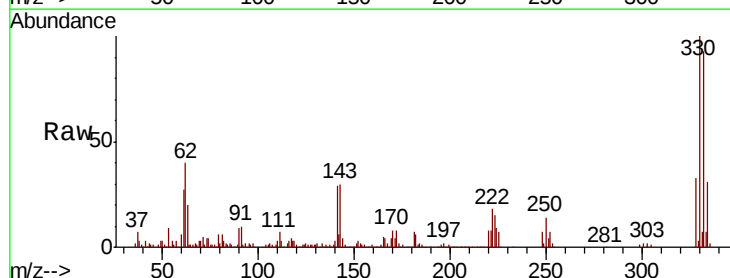
Tgt Ion:330 Resp: 320980

Ion Ratio Lower Upper

330 100

332 97.3 77.9 116.9

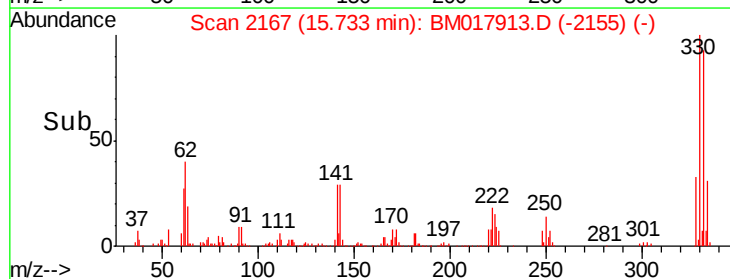
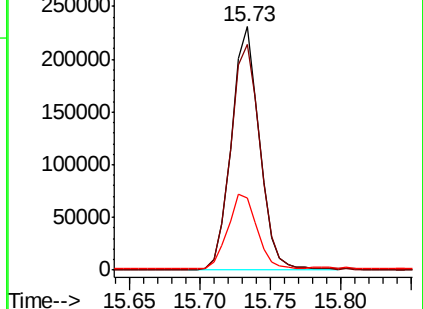
141 31.8 27.5 41.3

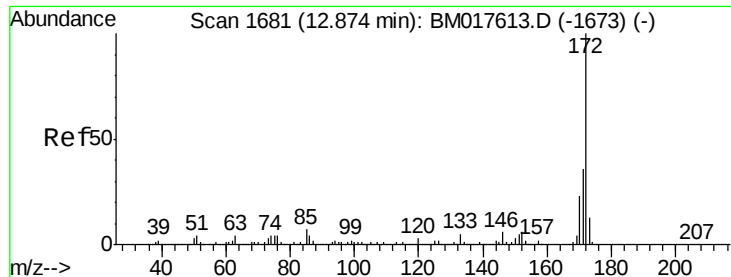


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

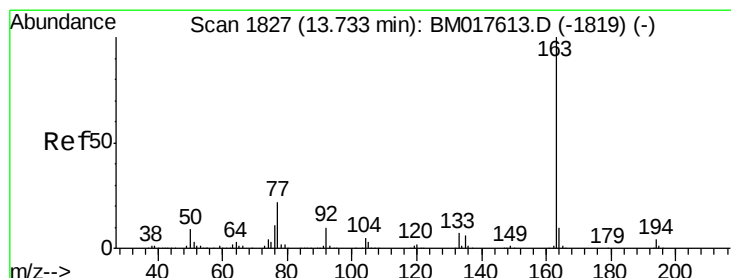
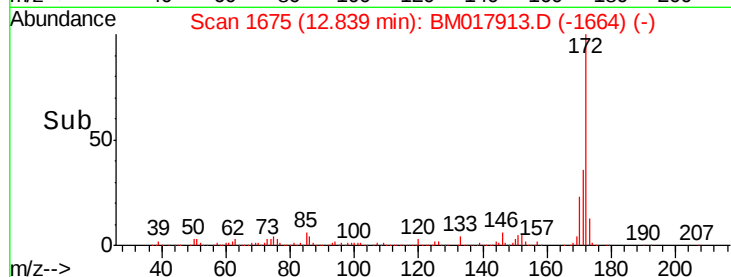
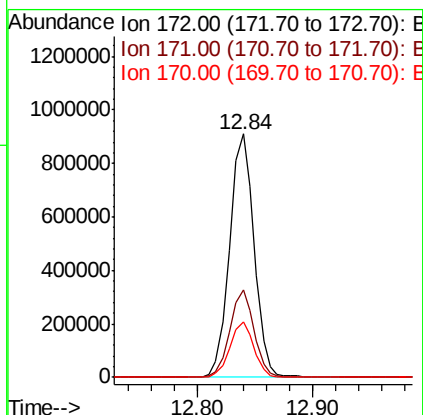
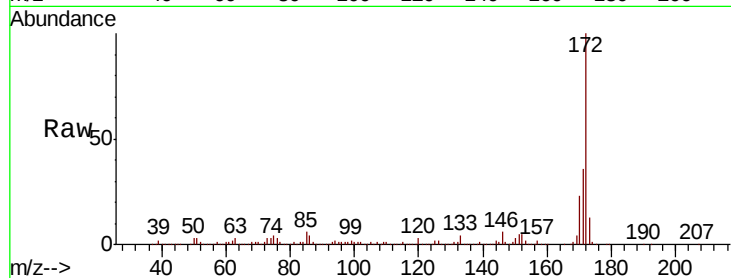




#45
 2-Fluorobiphenyl
 Concen: 33.078 ng
 RT: 12.84 min Scan# 1675
 Delta R.T. -0.04 min
 Lab File: BM017913.D
 Acq: 04 Dec 2018 21:35

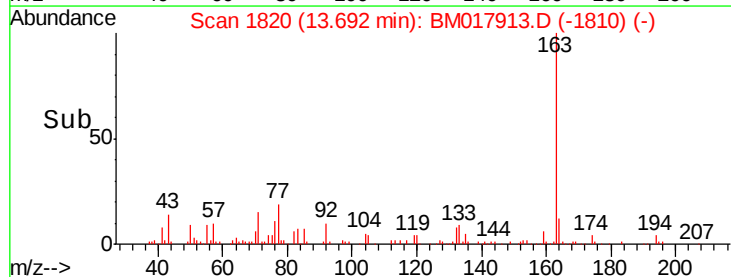
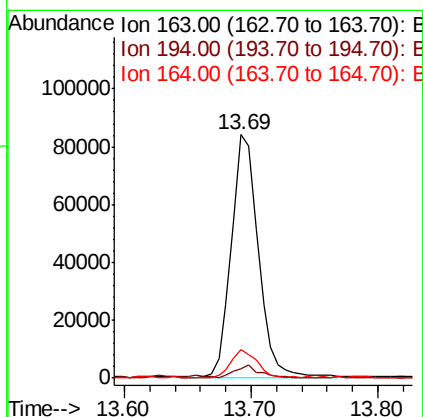
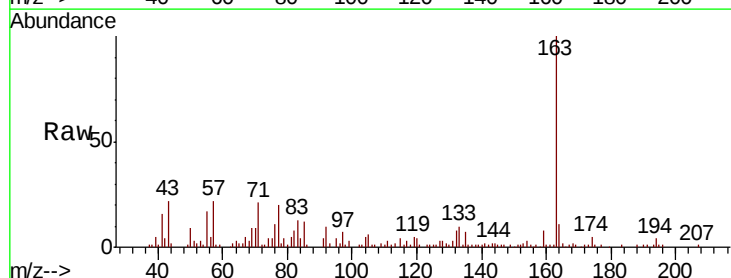
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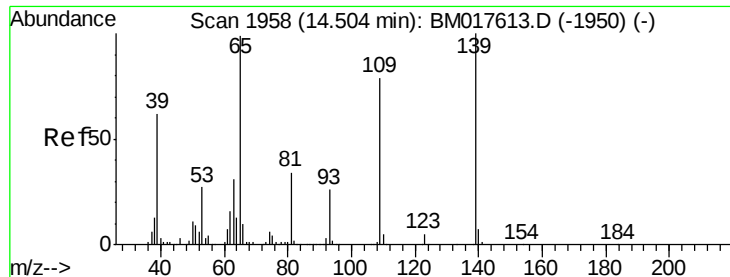
Tgt Ion:172 Resp: 1341664
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.7 43.1
 170 22.7 18.3 27.5



#50
 Dimethylphthalate
 Concen: 2.922 ng
 RT: 13.69 min Scan# 1820
 Delta R.T. -0.04 min
 Lab File: BM017913.D
 Acq: 04 Dec 2018 21:35

Tgt Ion:163 Resp: 125028
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.1 4.7
 164 11.5 8.2 12.4

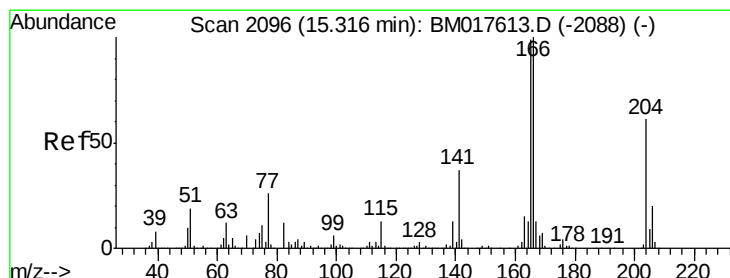
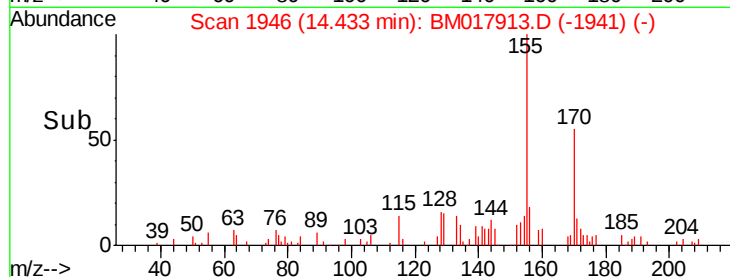
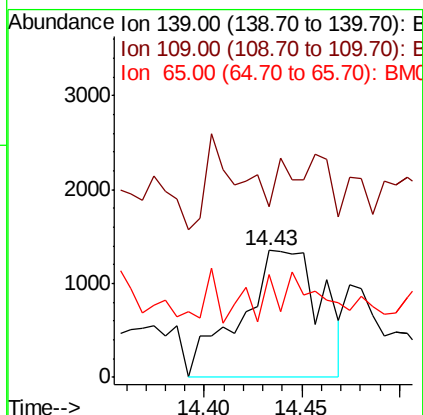
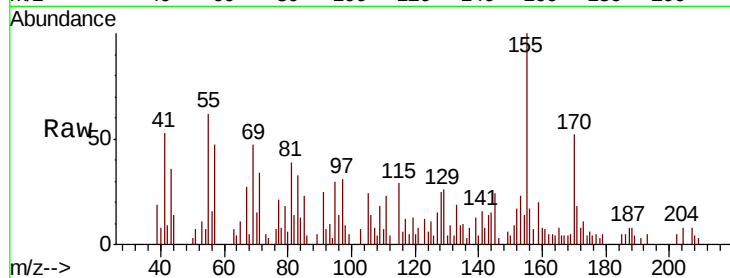




#56
4-Nitrophenol
Concen: 5.369 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.07 min
Lab File: BM017913.D
Acq: 04 Dec 2018 21:35

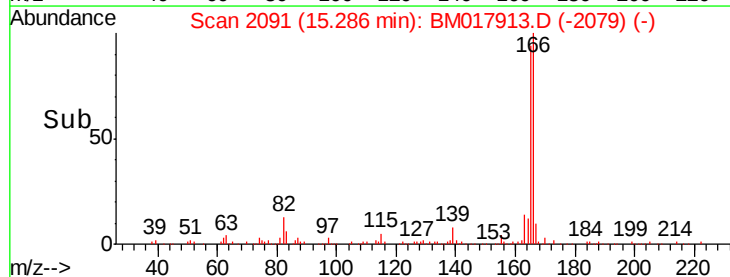
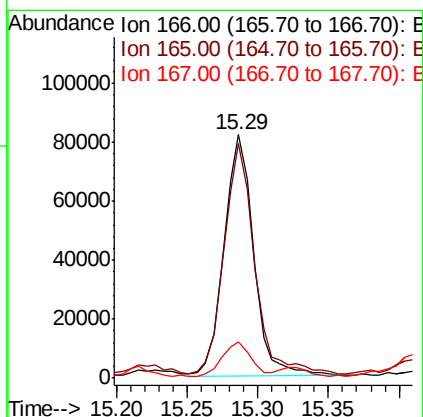
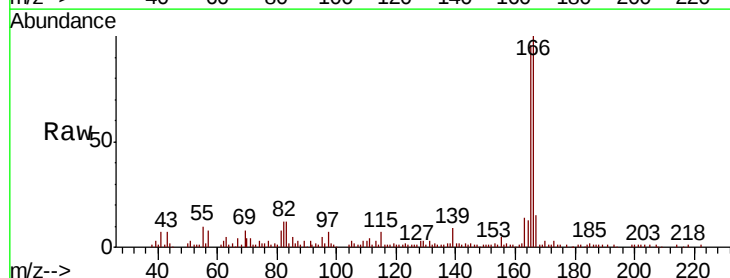
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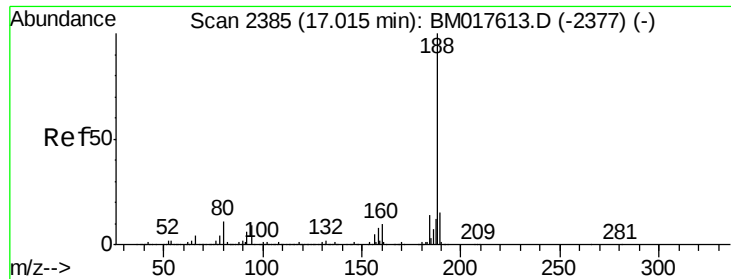
Tgt Ion:139 Resp: 3838
Ion Ratio Lower Upper
139 100
109 134.8 58.6 98.6#
65 80.7 79.5 119.5



#58
Fluorene
Concen: 2.972 ng
RT: 15.29 min Scan# 2091
Delta R.T. -0.03 min
Lab File: BM017913.D
Acq: 04 Dec 2018 21:35

Tgt Ion:166 Resp: 120198
Ion Ratio Lower Upper
166 100
165 96.1 79.0 118.6
167 14.9 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2380

Delta R.T. -0.03 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

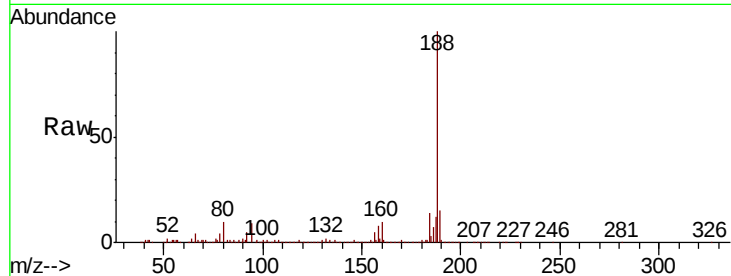
Tgt Ion:188 Resp: 936949

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

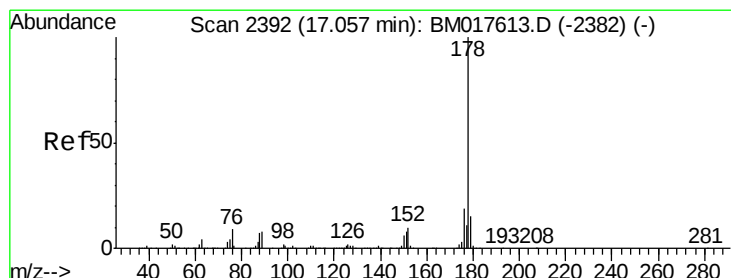
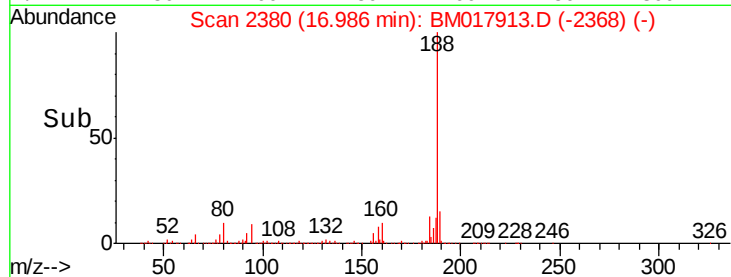
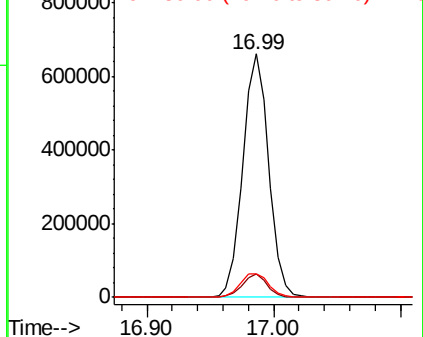
80 9.9 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 17.764 ng

RT: 17.03 min Scan# 2387

Delta R.T. -0.03 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

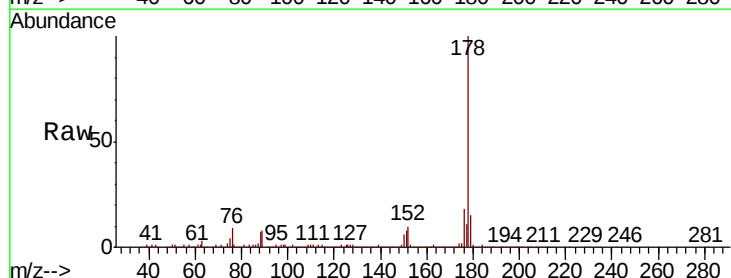
Tgt Ion:178 Resp: 903164

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

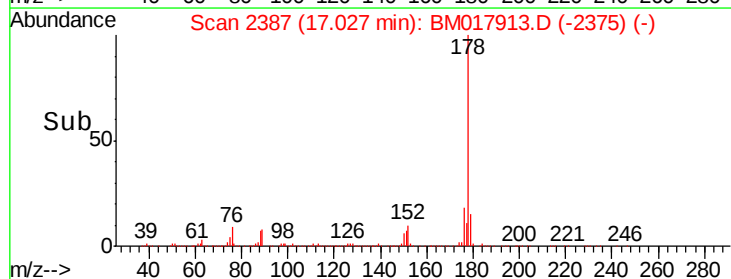
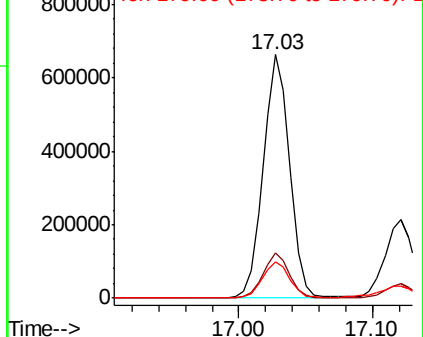
179 14.9 12.4 18.6

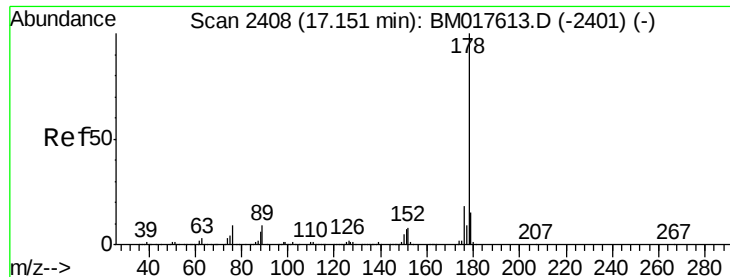


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.107 ng

RT: 17.12 min Scan# 2403

Delta R.T. -0.03 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

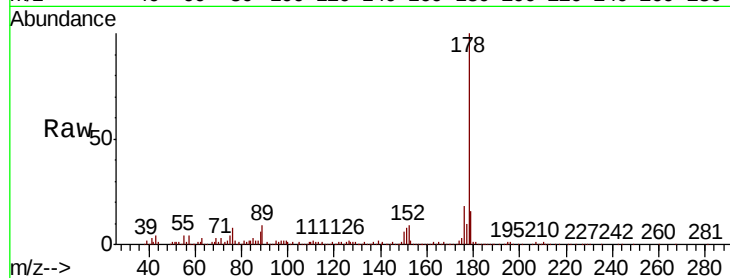
Tgt Ion:178 Resp: 302123

Ion Ratio Lower Upper

178 100

176 17.9 14.5 21.7

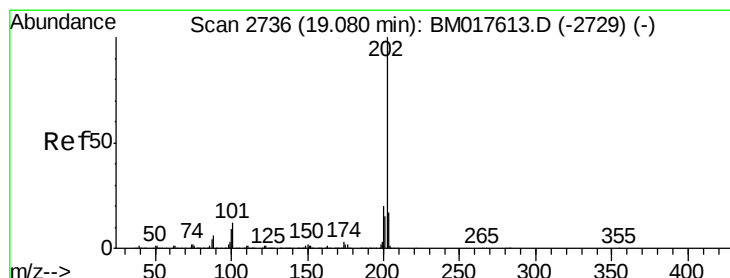
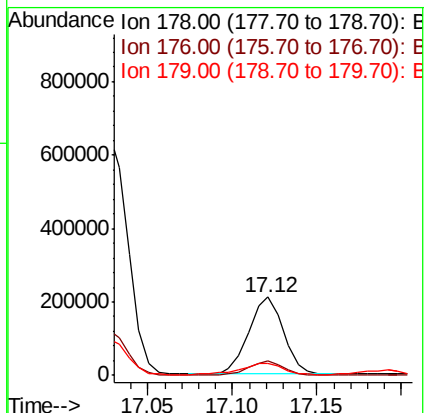
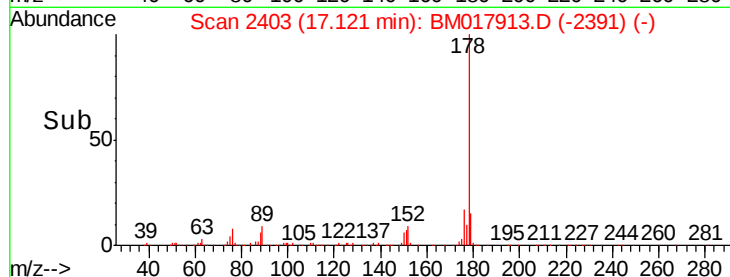
179 15.6 12.3 18.5



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



#75

Fluoranthene

Concen: 20.390 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.02 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

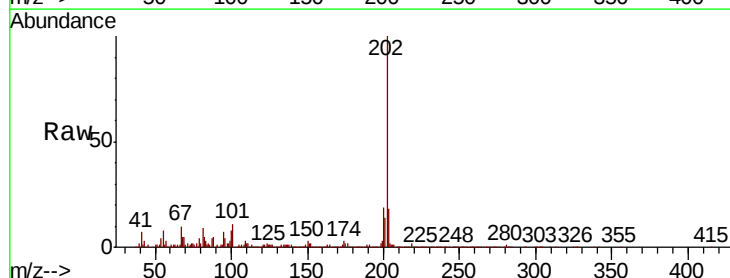
Tgt Ion:202 Resp: 1172957

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.5

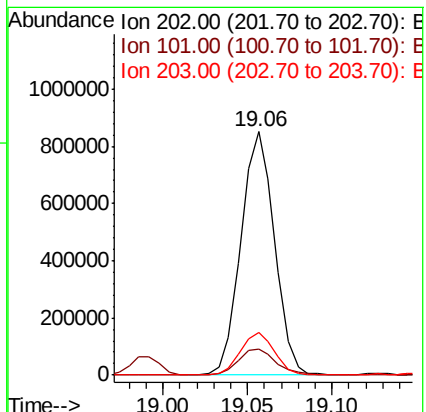
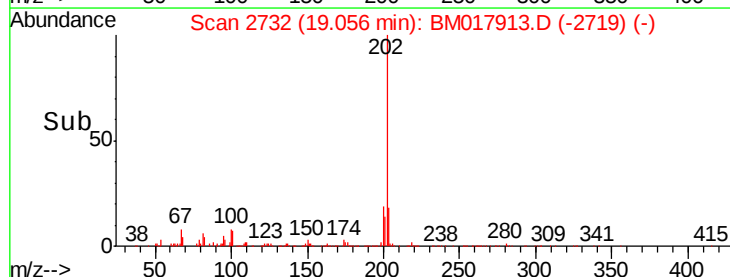
203 17.7 0.0 37.2

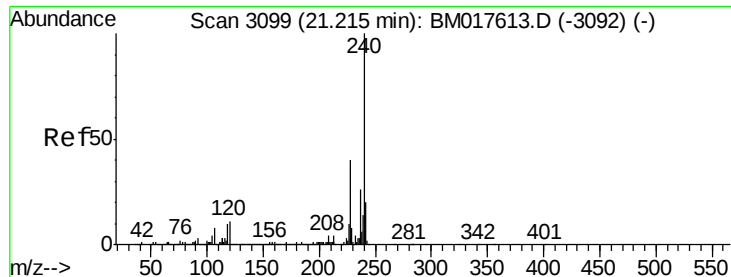


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

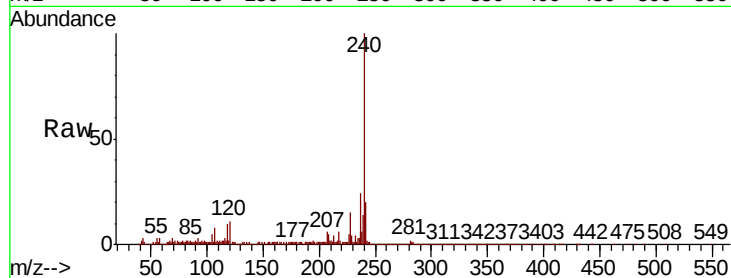
Tgt Ion:240 Resp: 890655

Ion Ratio Lower Upper

240 100

120 10.7 8.5 12.7

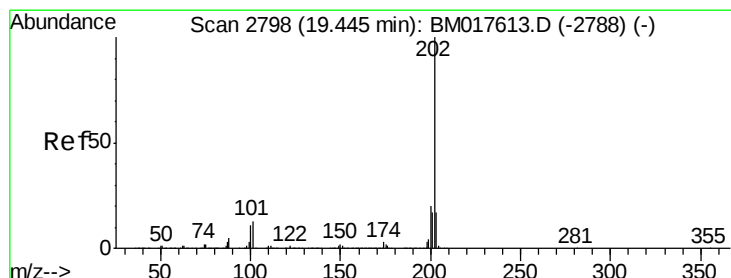
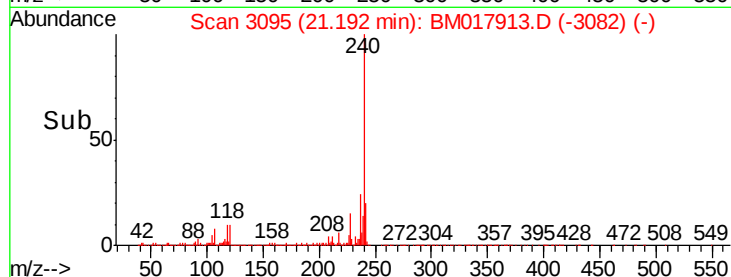
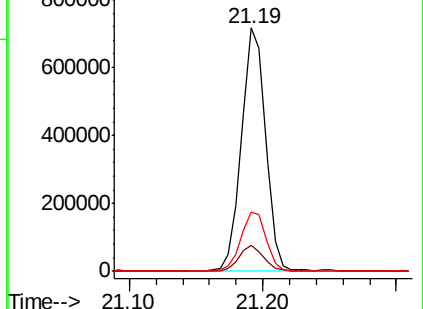
236 24.3 20.4 30.6



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



#78

Pyrene

Concen: 19.232 ng

RT: 19.42 min Scan# 2794

Delta R.T. -0.02 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

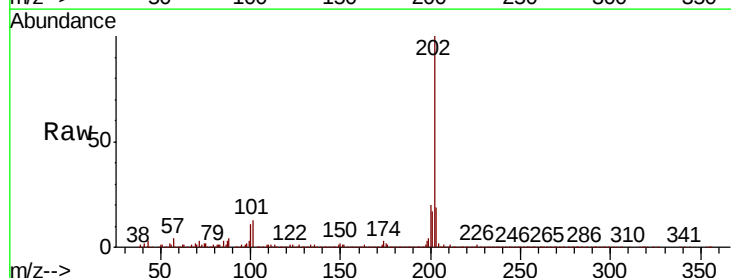
Tgt Ion:202 Resp: 1056862

Ion Ratio Lower Upper

202 100

200 20.0 16.4 24.6

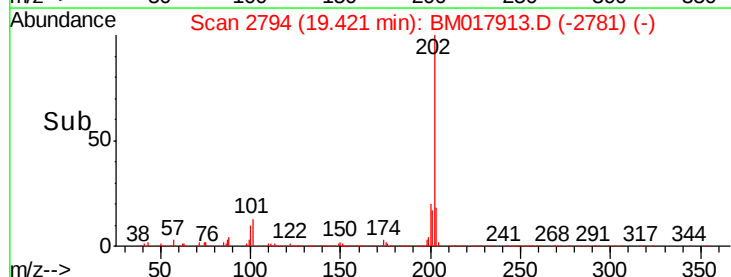
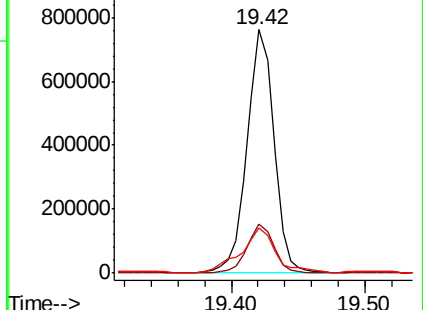
203 18.7 13.8 20.8

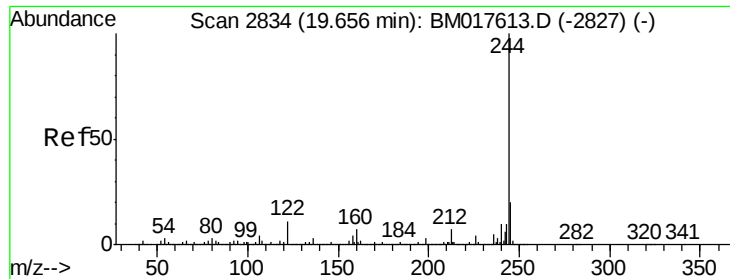


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 31.938 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

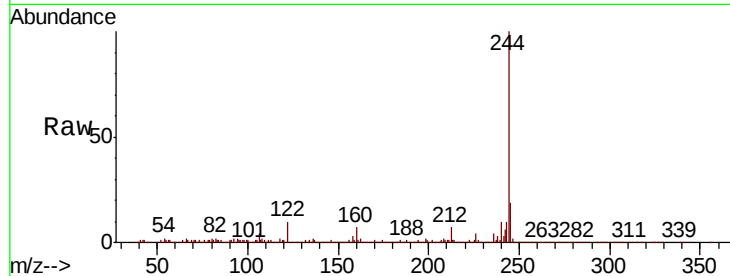
Tgt Ion:244 Resp: 1255100

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

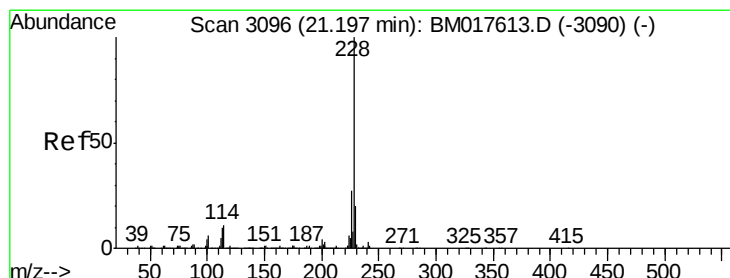
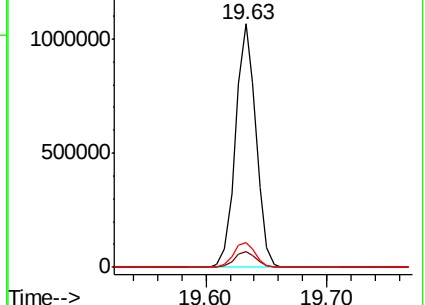
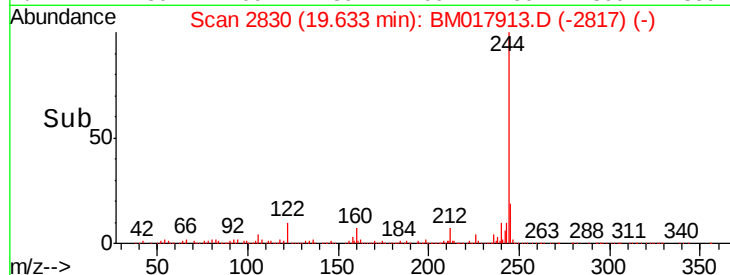
122 10.0 9.0 13.6



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



#81

Benzo(a)anthracene

Concen: 10.037 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.02 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

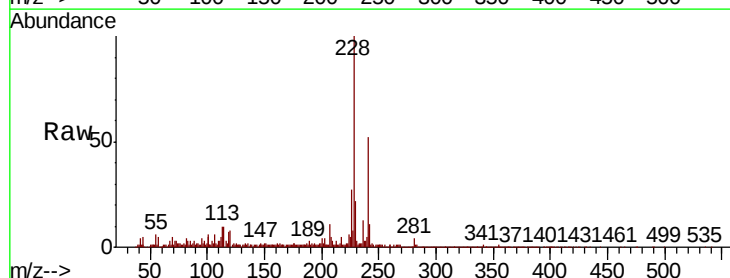
Tgt Ion:228 Resp: 515023

Ion Ratio Lower Upper

228 100

226 27.1 21.3 31.9

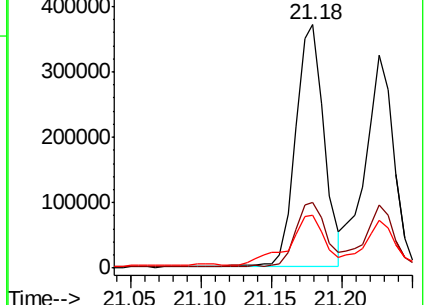
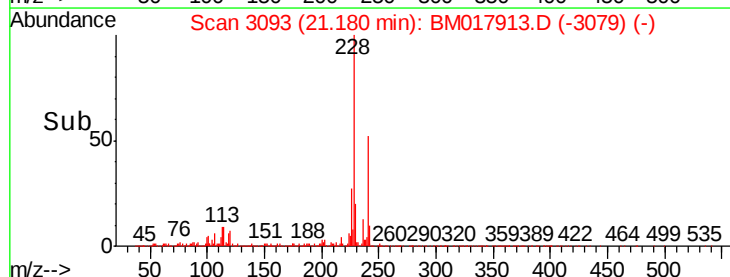
229 21.5 16.0 24.0

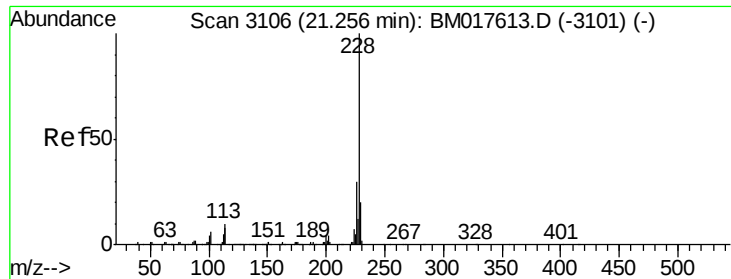


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

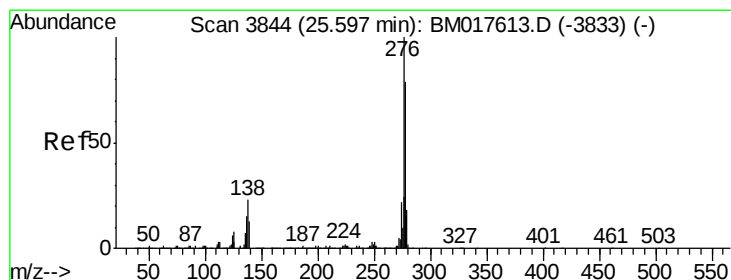
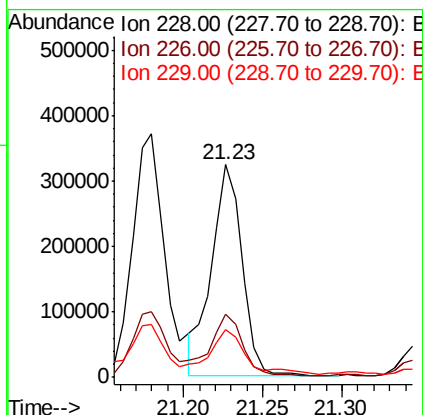
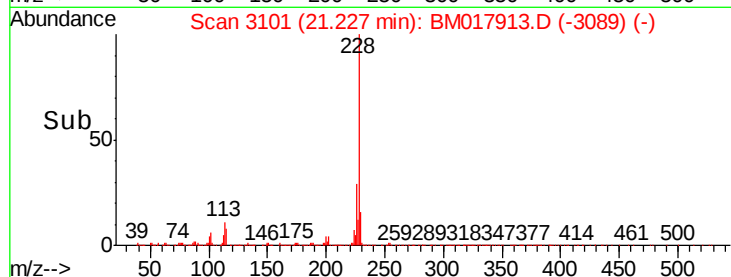
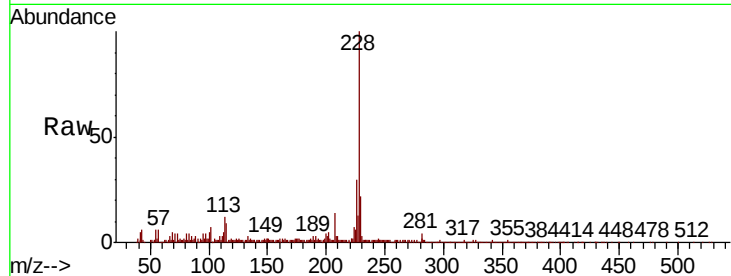




#83
Chrysene
Concen: 8.670 ng
RT: 21.23 min Scan# 3101
Delta R.T. -0.03 min
Lab File: BM017913.D
Acq: 04 Dec 2018 21:35

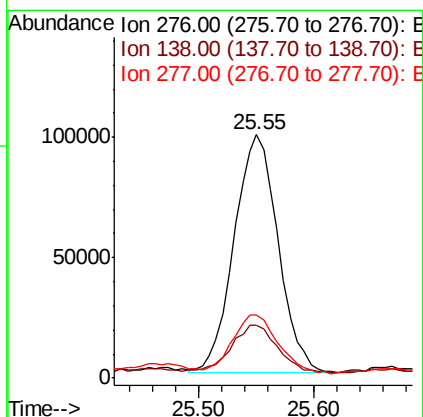
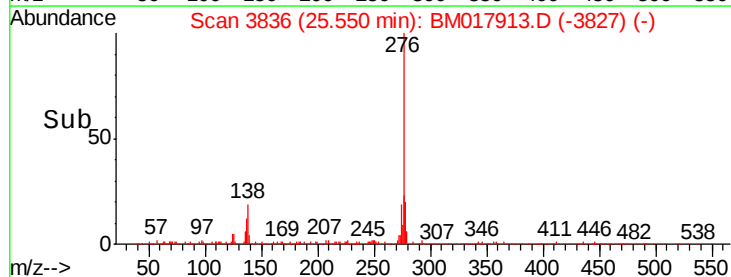
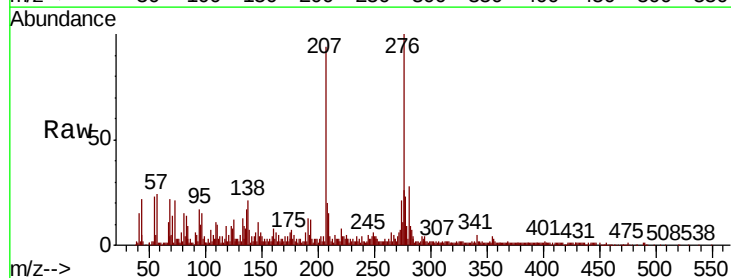
Instrument :
BNA_M
ClientSampleId :
EO-02-112918-A

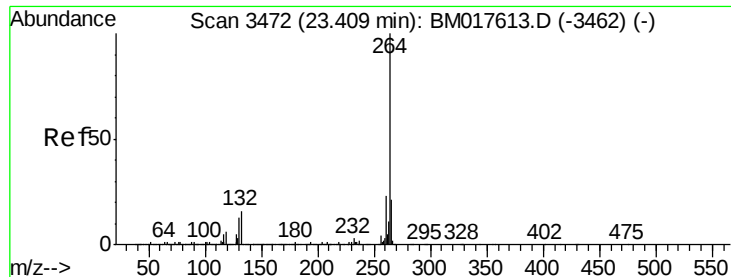
Tgt Ion:228 Resp: 432090
Ion Ratio Lower Upper
228 100
226 29.7 23.6 35.4
229 22.5 15.8 23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.579 ng
RT: 25.55 min Scan# 3836
Delta R.T. -0.05 min
Lab File: BM017913.D
Acq: 04 Dec 2018 21:35

Tgt Ion:276 Resp: 262003
Ion Ratio Lower Upper
276 100
138 21.5 19.1 28.7
277 25.4 20.0 30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.38 min Scan# 3467

Delta R.T. -0.03 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

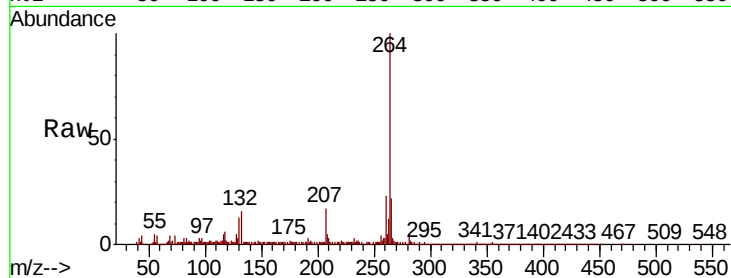
Tgt Ion:264 Resp: 977390

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.2

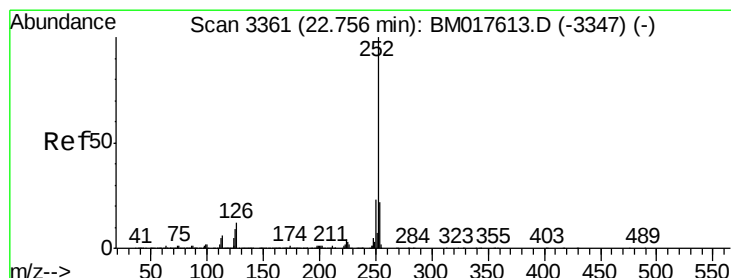
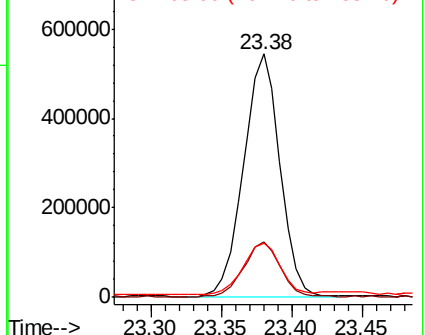
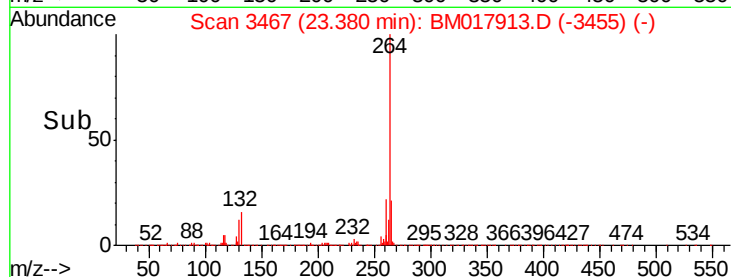
265 22.0 17.5 26.3



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



#88

Benzo(b)fluoranthene

Concen: 12.841 ng

RT: 22.73 min Scan# 3357

Delta R.T. -0.02 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

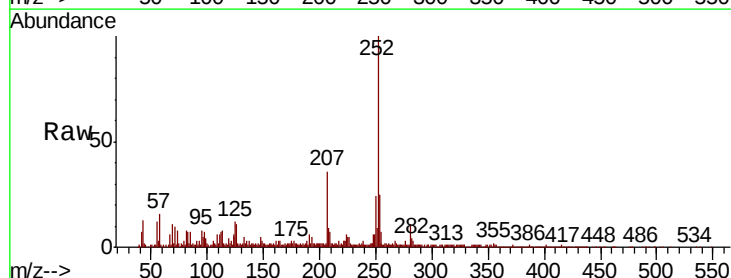
Tgt Ion:252 Resp: 735010

Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

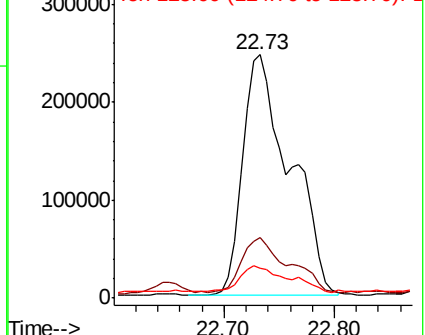
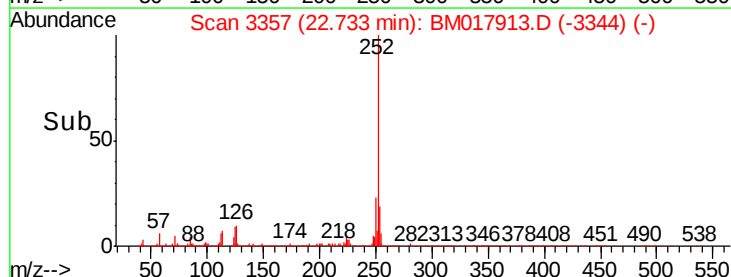
125 12.2 7.6 11.4#

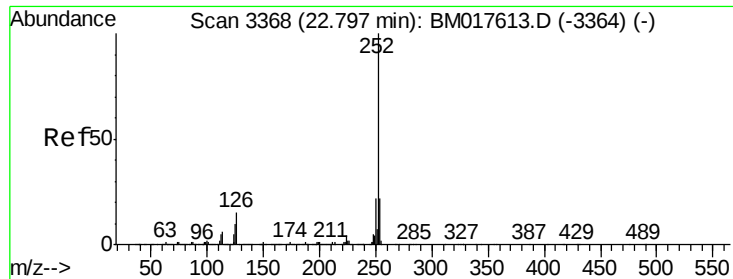


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 12.710 ng

RT: 22.73 min Scan# 3357

Delta R.T. -0.06 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

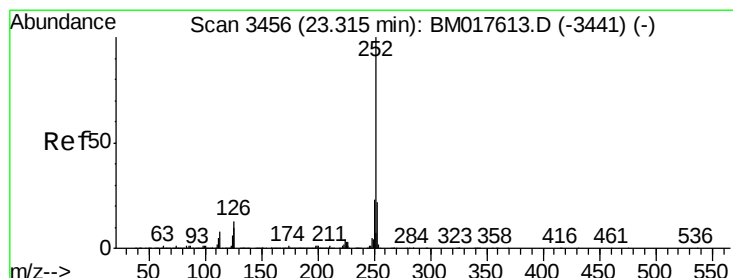
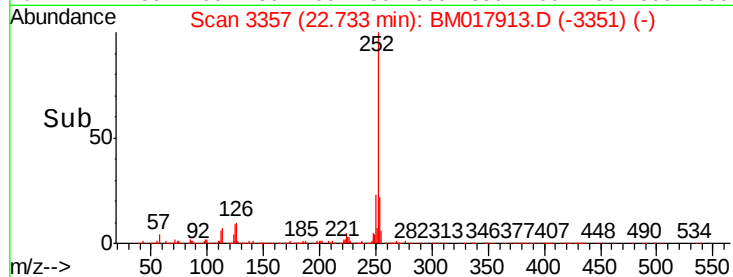
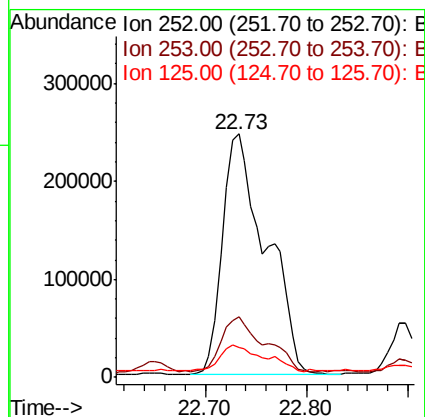
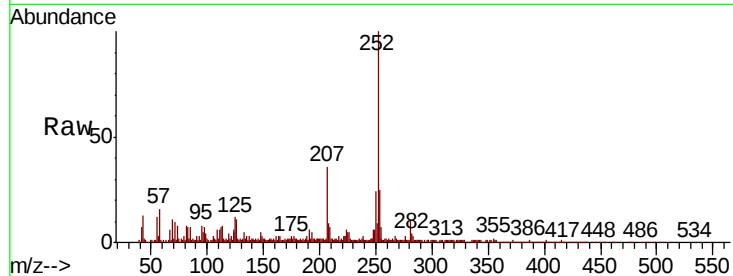
Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

Tgt Ion:	252	Resp:	735314
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	12.2	7.9	11.9#



#90

Benzo(a)pyrene

Concen: 8.163 ng

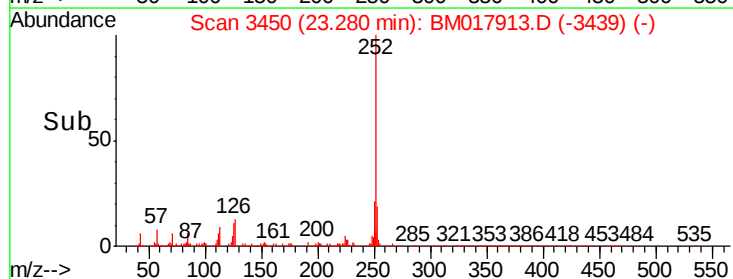
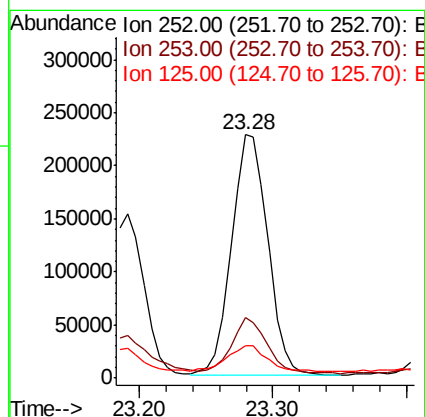
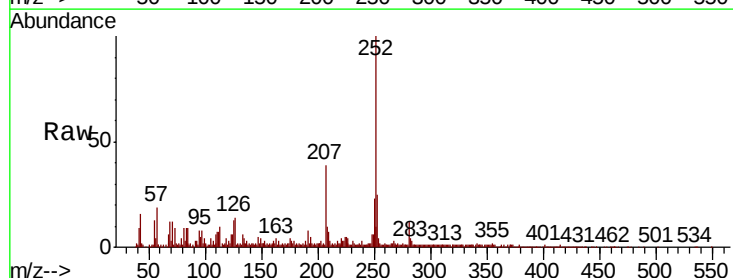
RT: 23.28 min Scan# 3450

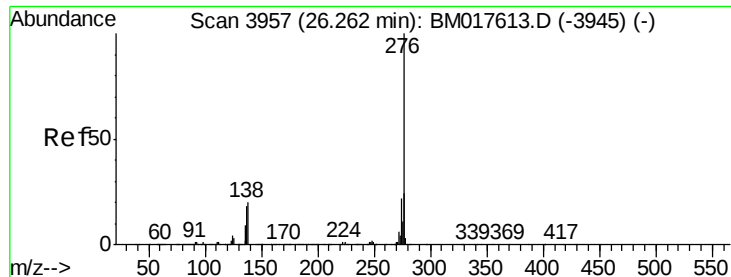
Delta R.T. -0.04 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Tgt Ion:	252	Resp:	426016
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.2
125	13.5	8.2	12.2#





#92

Benzo(g,h,i)perylene

Concen: 5.936 ng

RT: 26.21 min Scan# 3949

Delta R.T. -0.05 min

Lab File: BM017913.D

Acq: 04 Dec 2018 21:35

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-A

Tgt Ion: 276 Resp: 244924

Ion Ratio Lower Upper

276 100

277 28.7 19.0 28.4#

138 21.6 15.9 23.9

