

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
 Data File : BM017932.D
 Acq On : 05 Dec 2018 09:36
 Operator : JU/SJ
 Sample : J6162-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A0C10-01B1-(0-6)

Quant Time: Dec 05 11:11:13 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

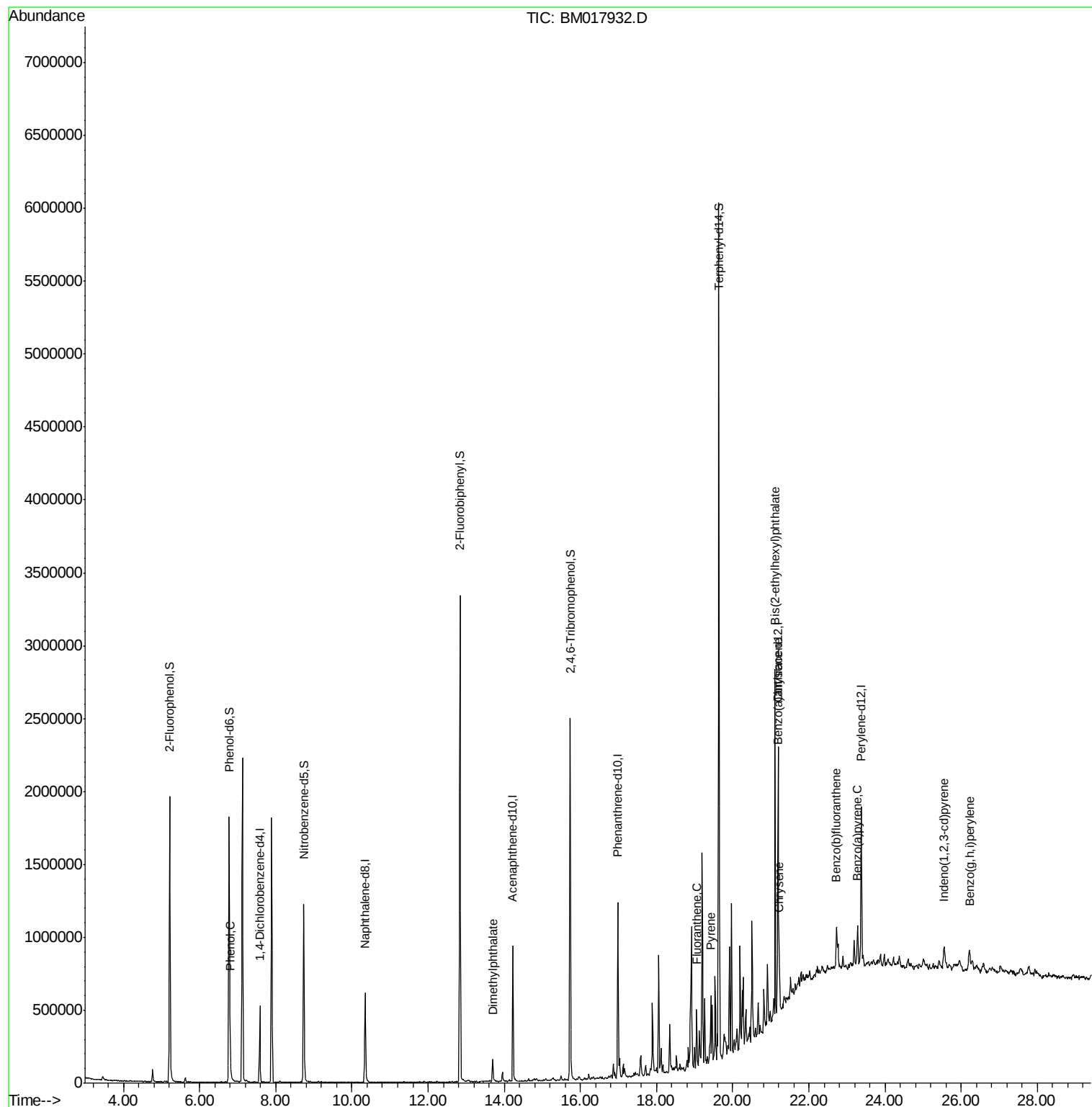
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	141462	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	556521	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	308461	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	694748	20.00	ng	-0.03
76) Chrysene-d12	21.19	240	761908	20.00	ng	-0.02
87) Perylene-d12	23.37	264	800819	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	926197	110.50	ng	-0.03
7) Phenol-d6	6.77	99	1194861	102.06	ng	-0.03
23) Nitrobenzene-d5	8.73	82	735076	68.19	ng	-0.04
42) 2,4,6-Tribromophenol	15.73	330	505418	114.03	ng	-0.03
45) 2-Fluorobiphenyl	12.84	172	1745048	73.39	ng	-0.04
79) Terphenyl-d14	19.63	244	2590070	77.05	ng	-0.02
Target Compounds						
10) Phenol	6.80	94	60786	4.947	ng	Qvalue 94
50) Dimethylphthalate	13.70	163	115675	4.612	ng	99
75) Fluoranthene	19.06	202	231944	5.438	ng	99
78) Pyrene	19.42	202	283975	6.041	ng	100
81) Benzo(a)anthracene	21.18	228	137273	3.127	ng	94
83) Chrysene	21.23	228	141099	3.310	ng	97
84) Bis(2-ethylhexyl)phthalate	21.12	149	833310	29.522	ng	100
86) Indeno(1,2,3-cd)pyrene	25.55	276	130942	3.843	ng	97
88) Benzo(b)fluoranthene	22.73	252	210222	4.482	ng	# 93
90) Benzo(a)pyrene	23.28	252	170570	3.989	ng	96
92) Benzo(g,h,i)perylene	26.21	276	144915	4.287	ng	96

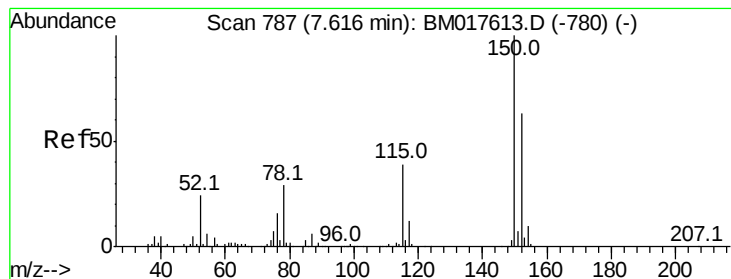
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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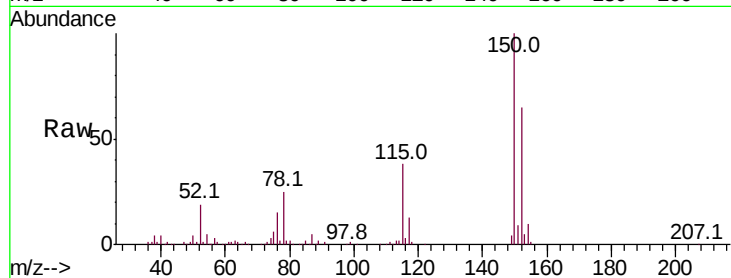


#1

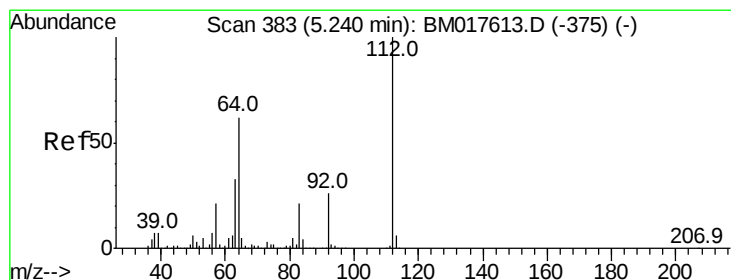
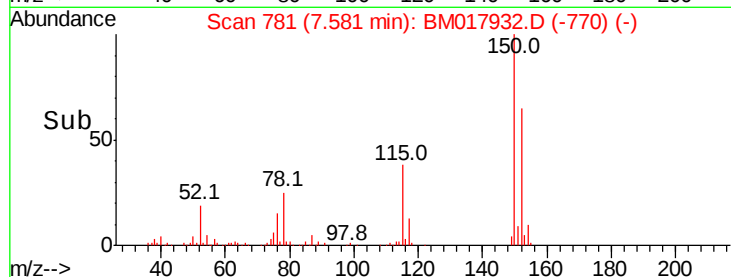
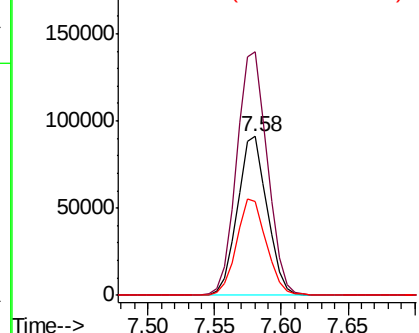
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Instrument :
BNA_M
ClientSampleId :
A0C10-01B1-(0-6)

Tot Ion:152 Resp: 141462
Ion Ratio Lower Upper
152 100
150 153.3 126.4 189.6
115 58.9 49.4 74.0



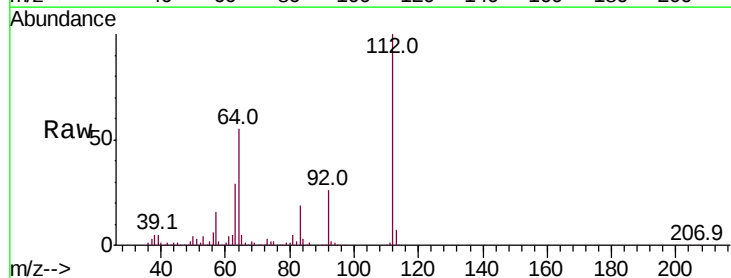
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



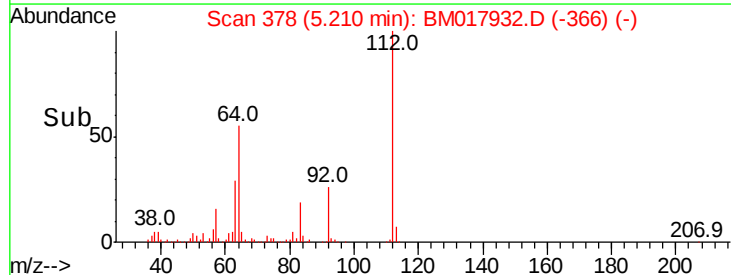
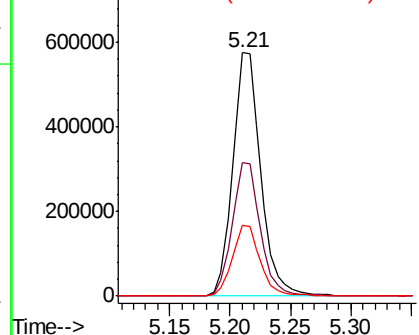
#5

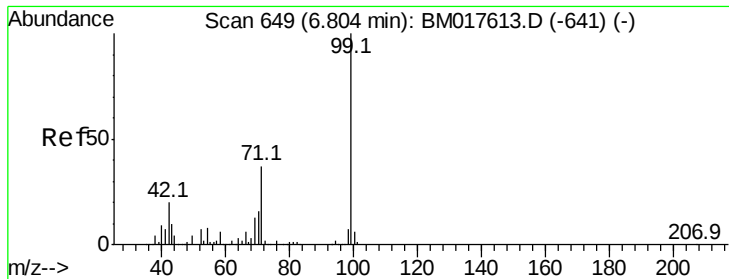
2-Fluorophenol
Concen: 110.496 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Tgt Ion:112 Resp: 926197
Ion Ratio Lower Upper
112 100
64 55.1 49.3 73.9
63 29.0 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: 102.064 ng

RT: 6.77 min Scan# 644

Delta R.T. -0.03 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Instrument :

BNA_M

ClientSampleId :

A0C10-01B1-(0-6)

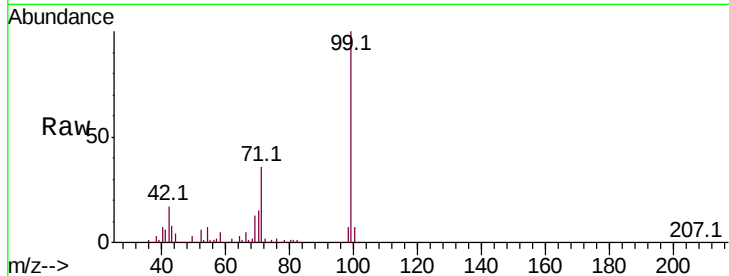
Tot Ion: 99 Resp: 1194861

Ion Ratio Lower Upper

99 100

42 16.6 16.3 24.5

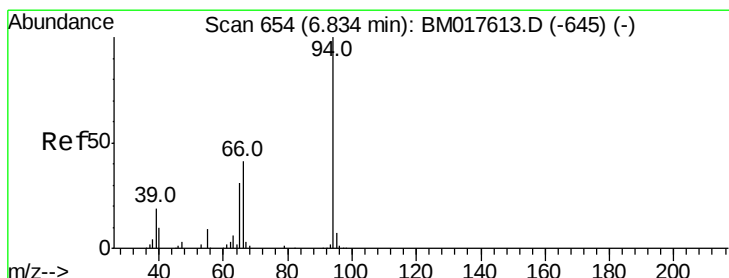
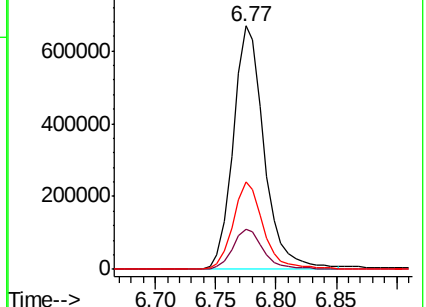
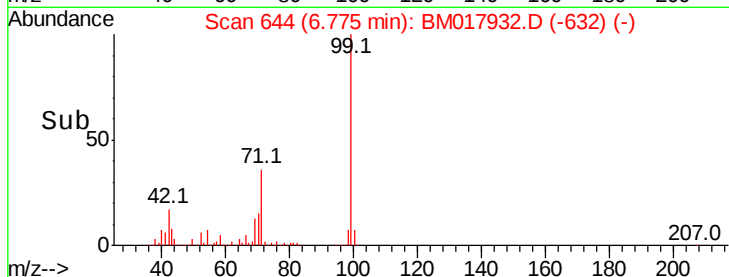
71 35.7 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017613.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BM017613.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BM017613.D (-641) (-)



#10

Phenol

Concen: 4.947 ng

RT: 6.80 min Scan# 649

Delta R.T. -0.03 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

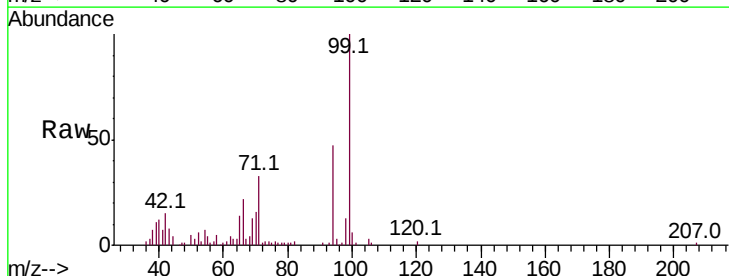
Tgt Ion: 94 Resp: 60786

Ion Ratio Lower Upper

94 100

65 30.0 11.4 51.4

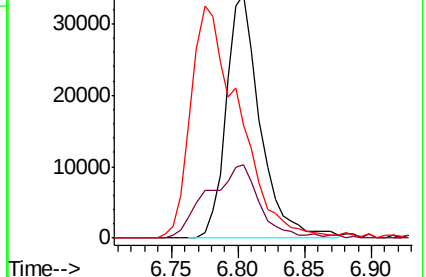
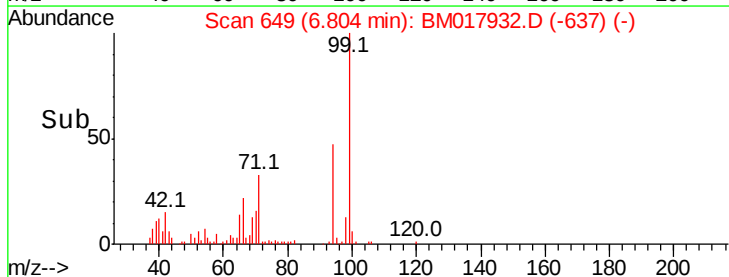
66 46.4 21.4 61.4

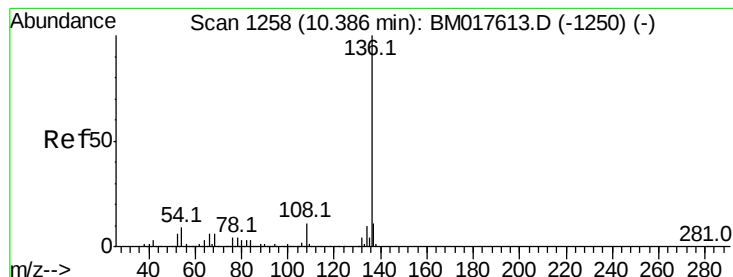


Abundance Ion 94.00 (93.70 to 94.70): BM017613.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM017613.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM017613.D (-645) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1251

Delta R.T. -0.04 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Instrument :

BNA_M

ClientSampleId :

A0C10-01B1-(0-6)

Tot Ion:136 Resp: 556521

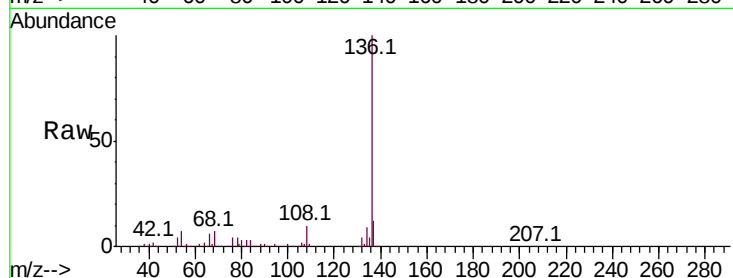
Ion Ratio Lower Upper

136 100

137 11.8 8.6 12.8

54 6.8 7.0 10.6#

68 6.6 4.9 7.3

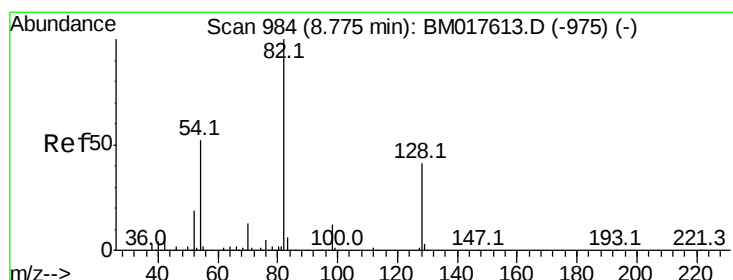
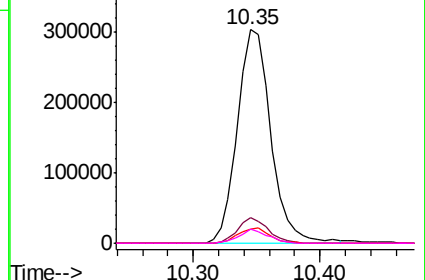
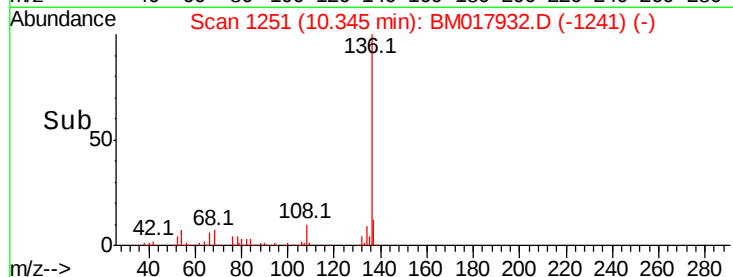


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 68.189 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.04 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

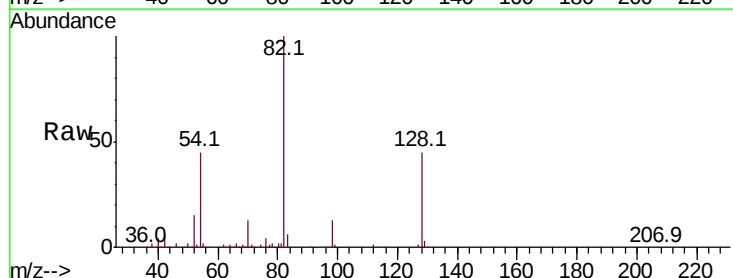
Tgt Ion: 82 Resp: 735076

Ion Ratio Lower Upper

82 100

128 44.6 33.0 49.4

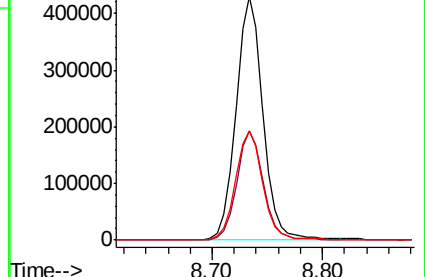
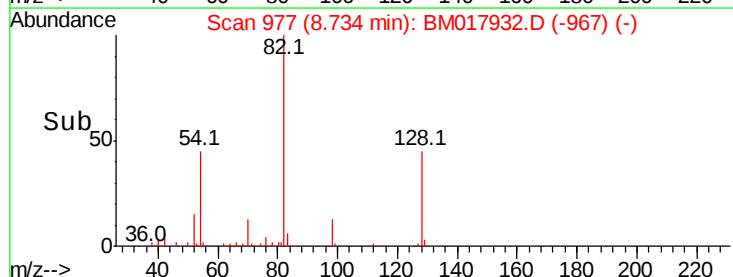
54 44.7 41.4 62.2

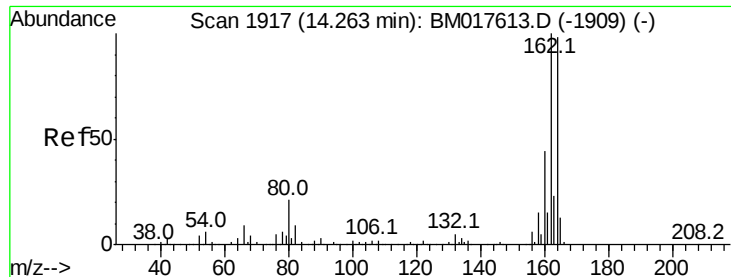


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1911

Delta R.T. -0.04 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Instrument :

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ClientSampleId :

A0C10-01B1-(0-6)

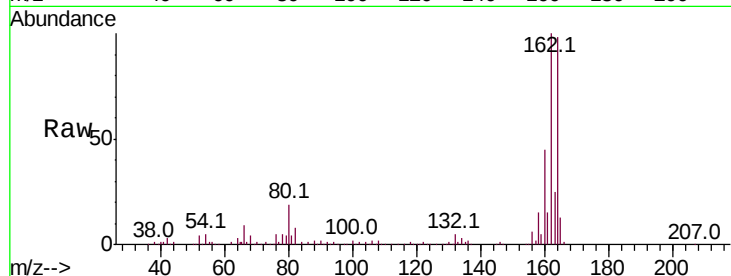
Tot Ion:164 Resp: 308461

Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.0

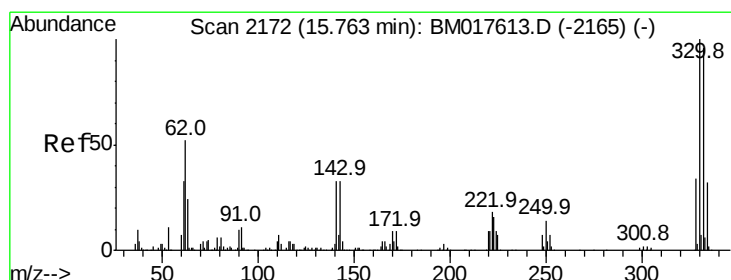
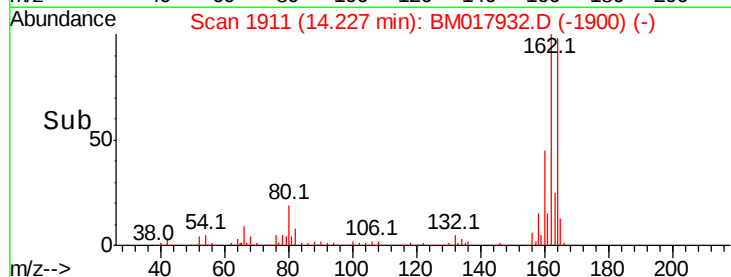
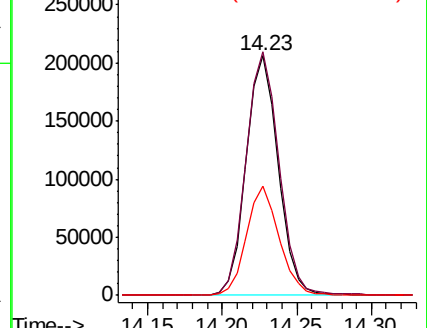
160 45.5 35.6 53.4



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: 114.035 ng

RT: 15.73 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

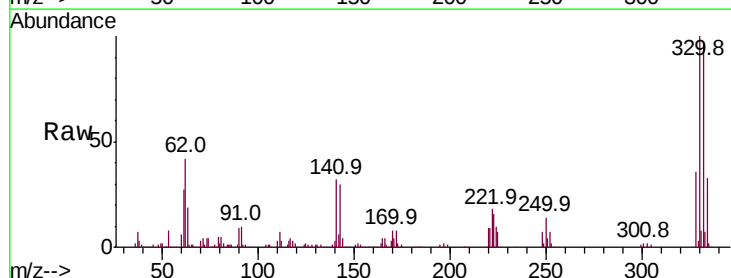
Tgt Ion:330 Resp: 505418

Ion Ratio Lower Upper

330 100

332 96.2 77.9 116.9

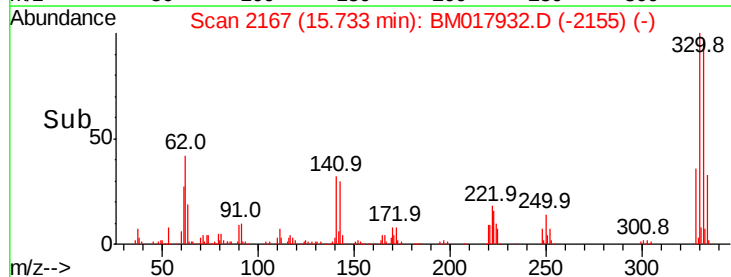
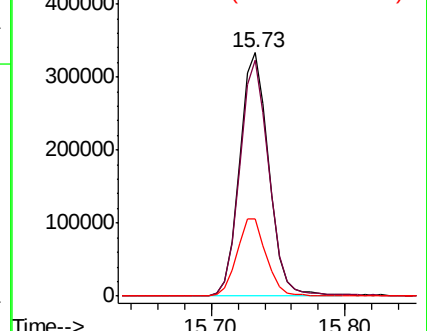
141 32.7 27.5 41.3

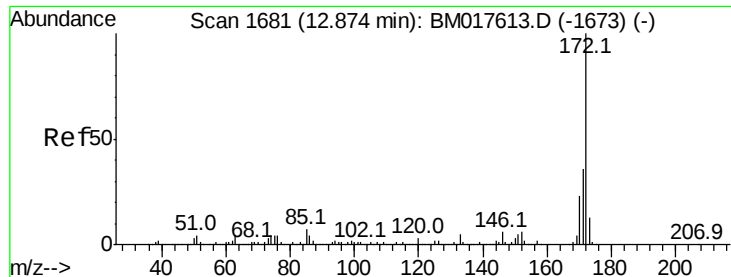


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



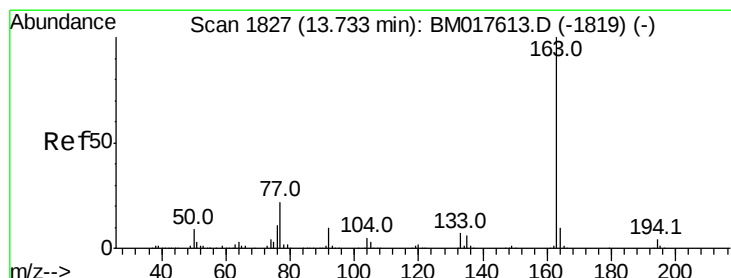
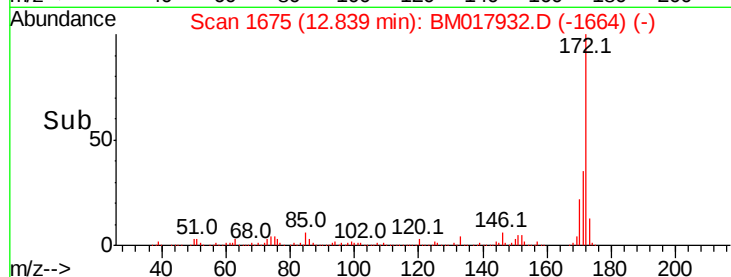
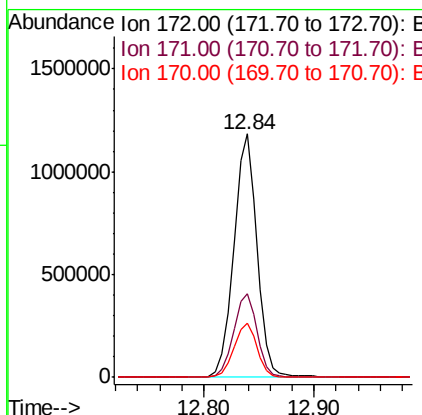
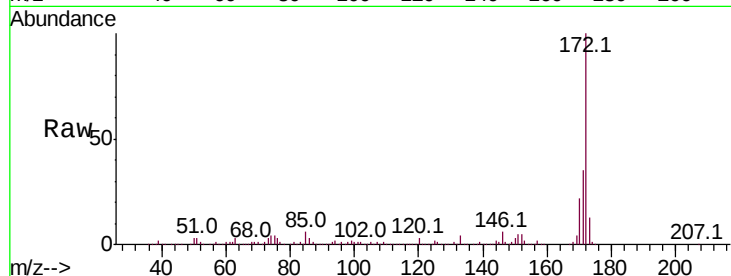


#45
 2-Fluorobiphenyl
 Concen: 73.394 ng
 RT: 12.84 min Scan# 1675
 Delta R.T. -0.04 min
 Lab File: BM017932.D
 Acq: 05 Dec 2018 09:36

Instrument :
 BNA_M
 ClientSampleId :
 A0C10-01B1-(0-6)

Tot Ion:172 Resp: 1745048

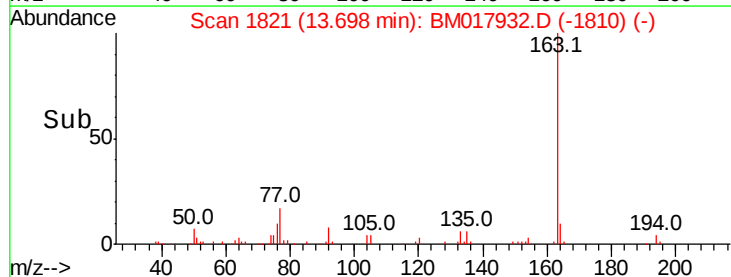
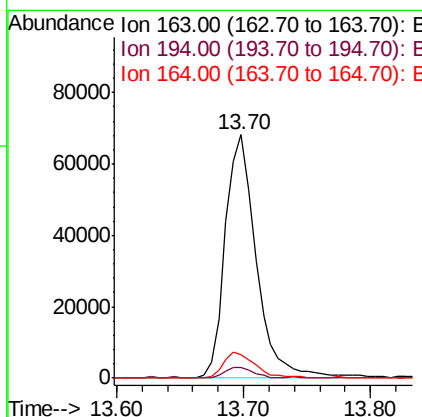
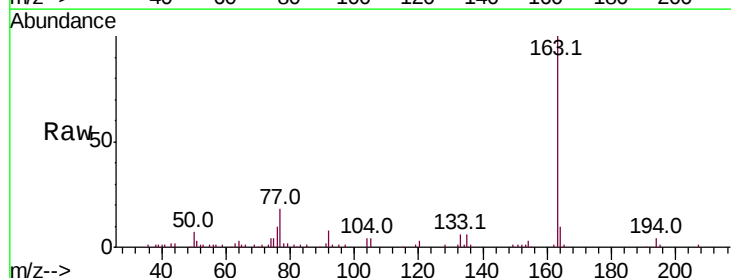
Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.7	43.1
170	22.5	18.3	27.5

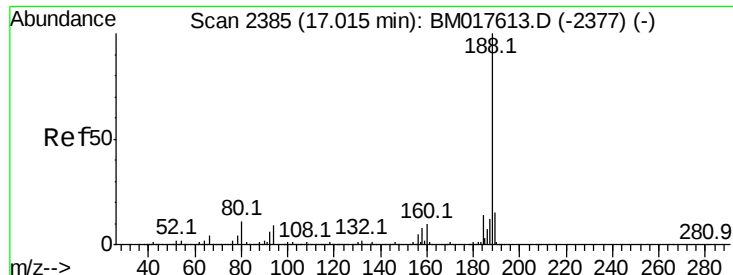


#50
 Dimethylphthalate
 Concen: 4.612 ng
 RT: 13.70 min Scan# 1821
 Delta R.T. -0.04 min
 Lab File: BM017932.D
 Acq: 05 Dec 2018 09:36

Tgt Ion:163 Resp: 115675

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.1	4.7
164	9.8	8.2	12.4

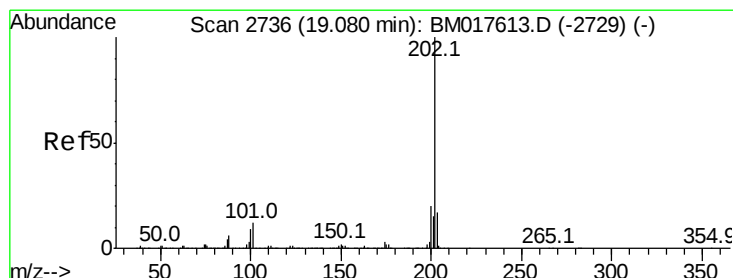
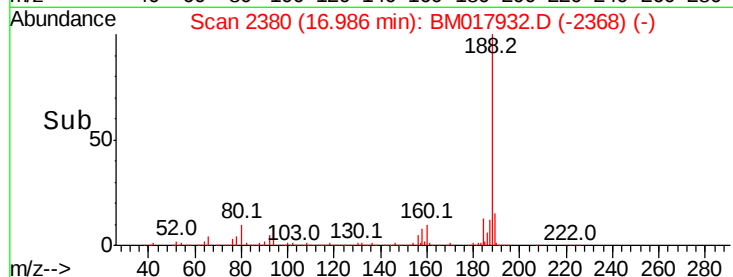
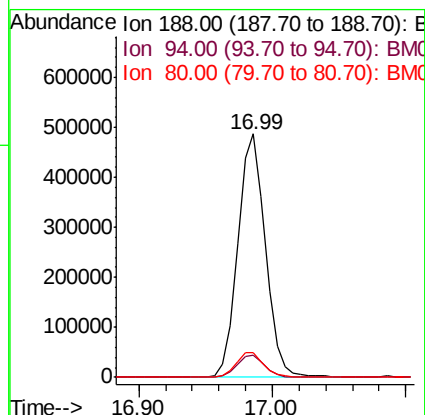
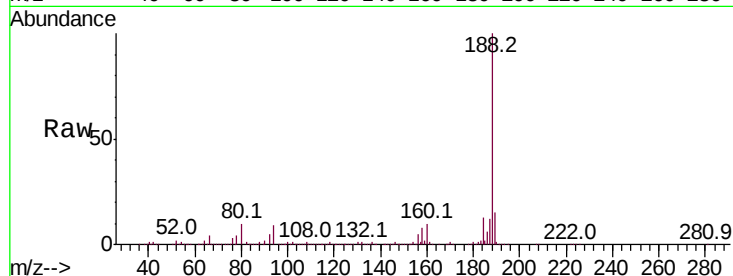




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.03 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

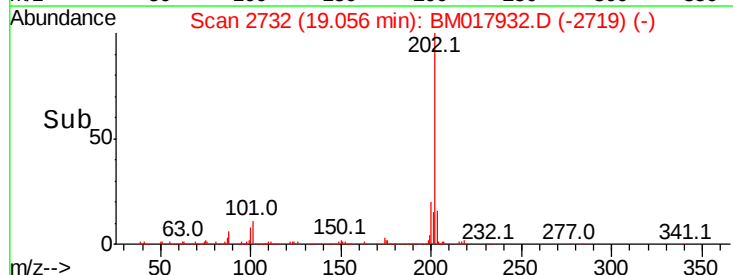
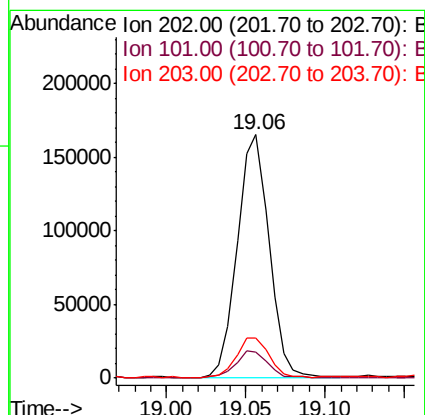
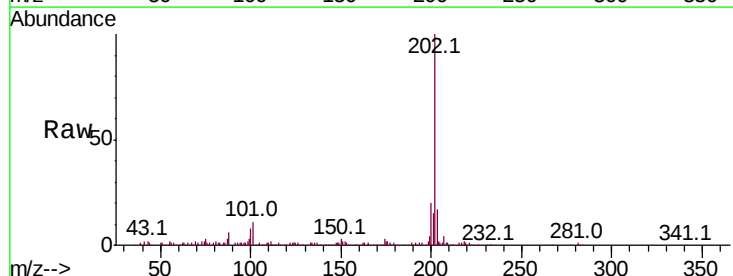
Instrument :
BNA_M
ClientSampleId :
A0C10-01B1-(0-6)

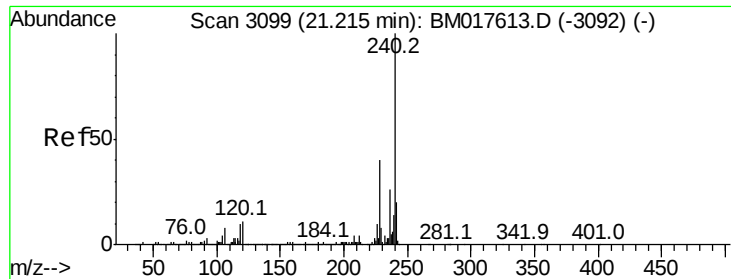
Tot Ion:188 Resp: 694748
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 10.4 8.6 13.0



#75
Fluoranthene
Concen: 5.438 ng
RT: 19.06 min Scan# 2732
Delta R.T. -0.02 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Tgt Ion:202 Resp: 231944
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.5
203 16.7 0.0 37.2

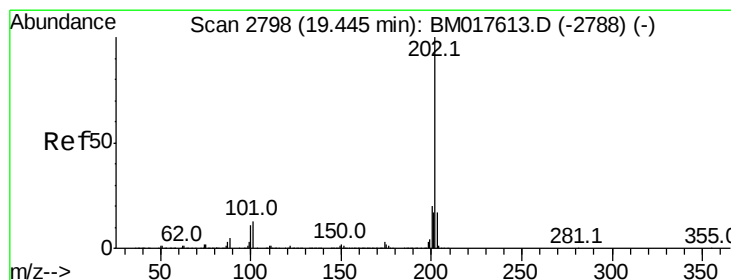
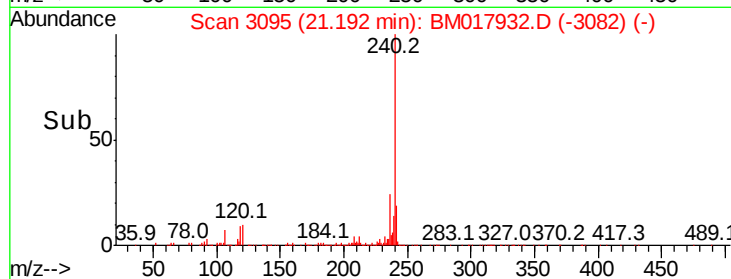
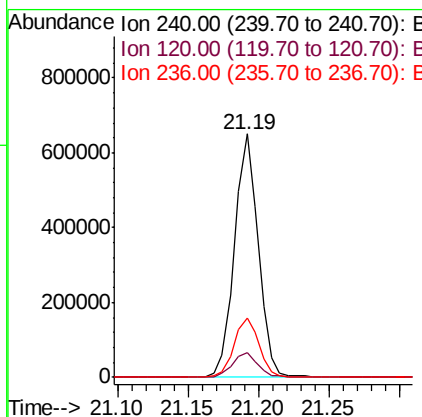
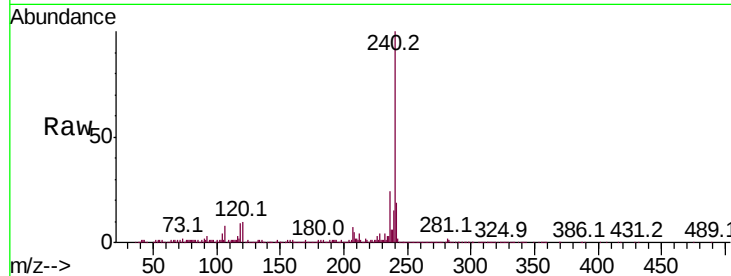




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

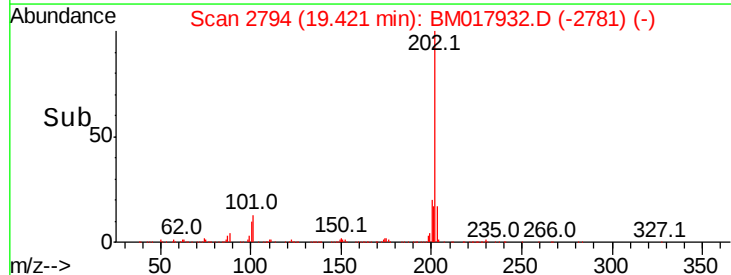
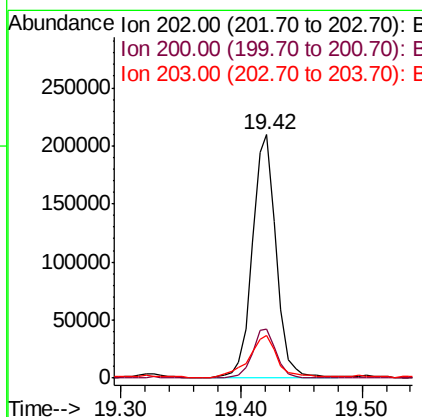
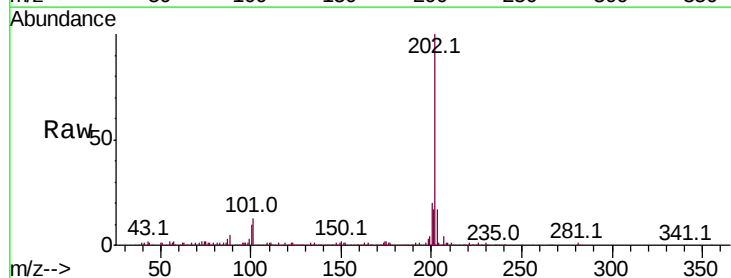
Instrument :
BNA_M
ClientSampleId :
A0C10-01B1-(0-6)

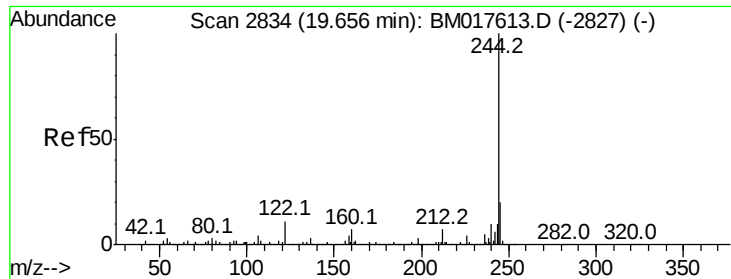
Tot Ion:240 Resp: 761908
Ion Ratio Lower Upper
240 100
120 10.2 8.5 12.7
236 24.4 20.4 30.6



#78
Pyrene
Concen: 6.041 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.02 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Tgt Ion:202 Resp: 283975
Ion Ratio Lower Upper
202 100
200 20.4 16.4 24.6
203 17.3 13.8 20.8





#79

Terphenyl-d14

Concen: 77.046 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Instrument :

BNA_M

ClientSampleId :

A0C10-01B1-(0-6)

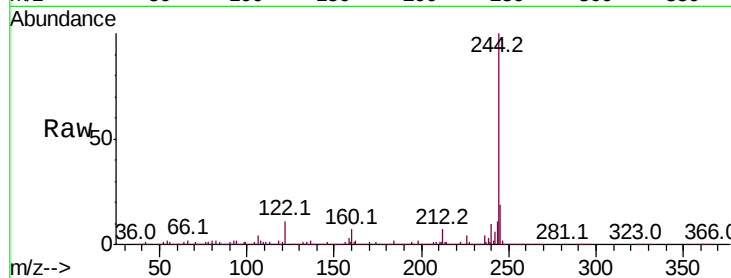
Tot Ion:244 Resp: 2590070

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

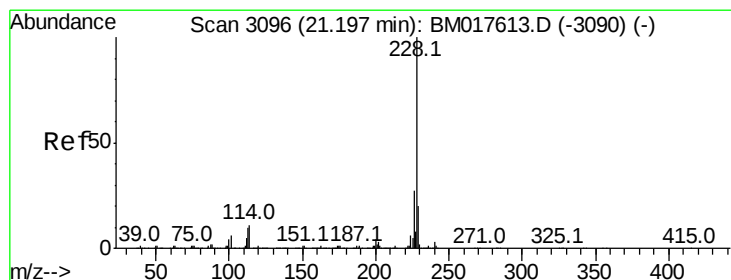
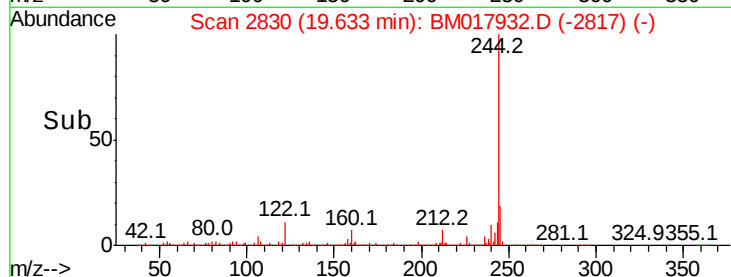
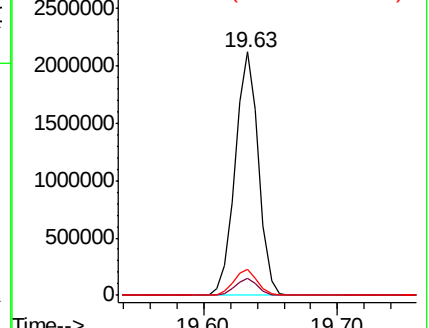
122 10.7 9.0 13.6



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: 3.127 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.02 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

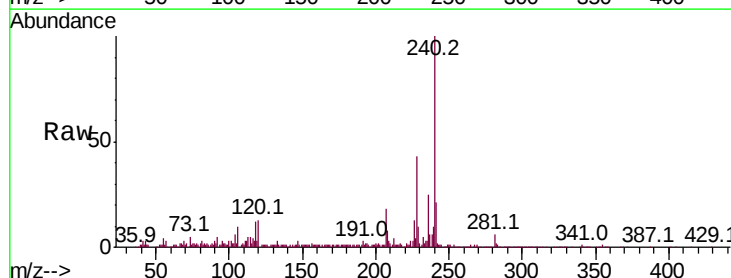
Tgt Ion:228 Resp: 137273

Ion Ratio Lower Upper

228 100

226 30.2 21.3 31.9

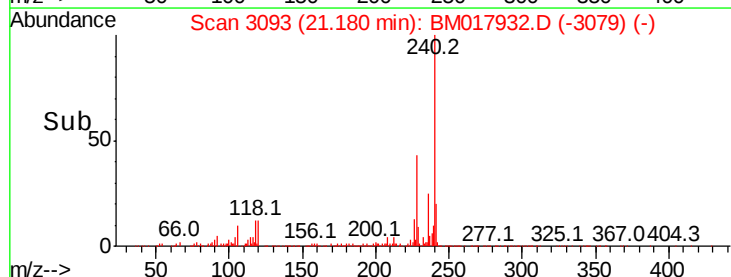
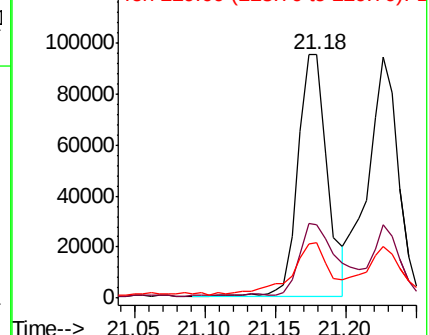
229 22.7 16.0 24.0

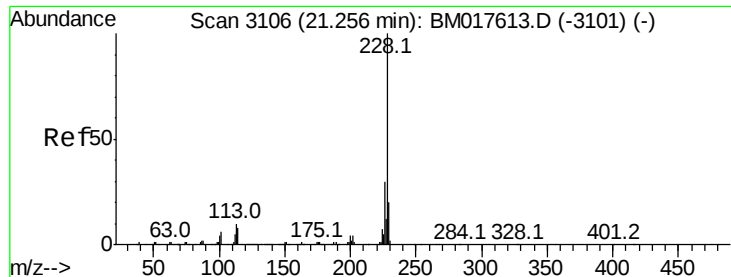


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.310 ng

RT: 21.23 min Scan# 3101

Delta R.T. -0.03 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Instrument :

BNA_M

ClientSampleId :

A0C10-01B1-(0-6)

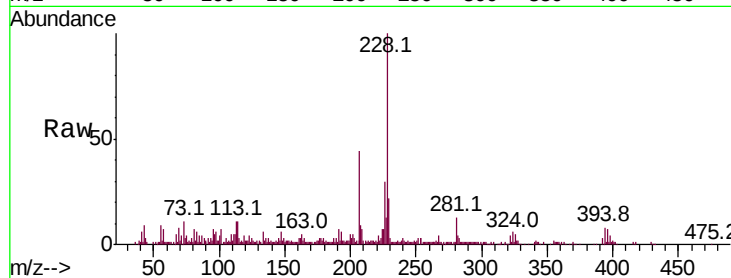
Tot Ion:228 Resp: 141099

Ion Ratio Lower Upper

228 100

226 30.4 23.6 35.4

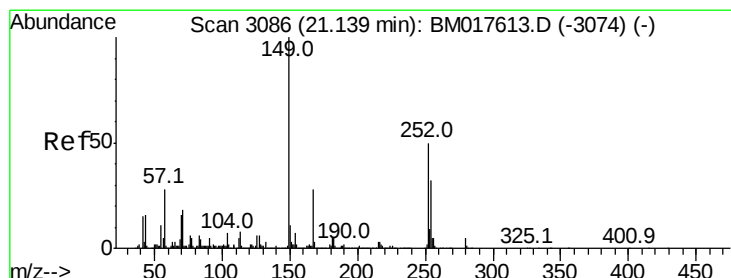
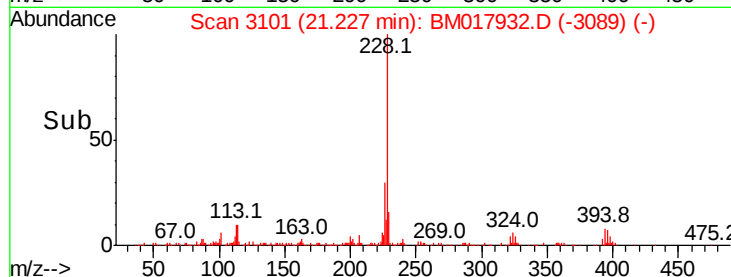
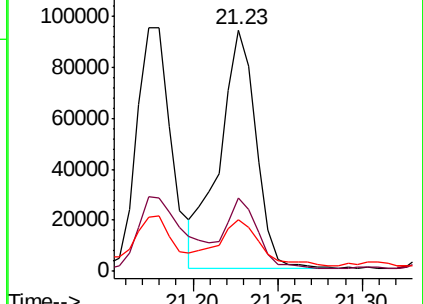
229 21.5 15.8 23.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 29.522 ng

RT: 21.12 min Scan# 3082

Delta R.T. -0.02 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

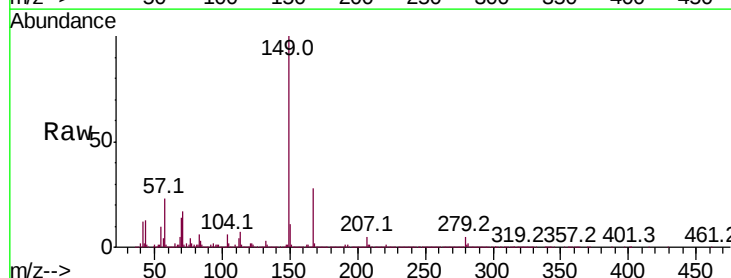
Tgt Ion:149 Resp: 833310

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

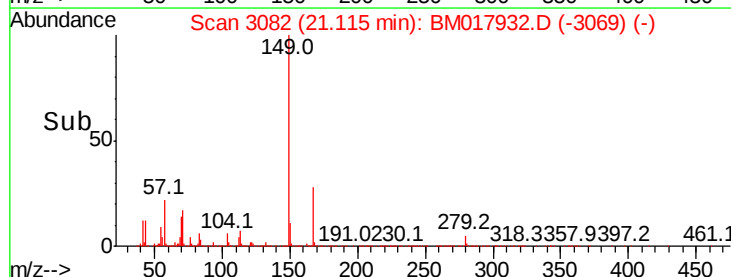
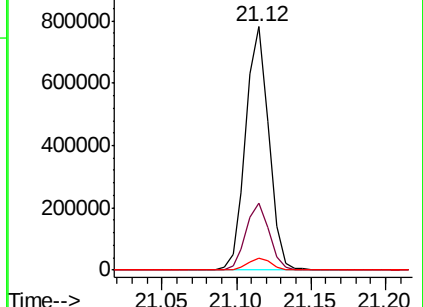
279 4.9 3.7 5.5

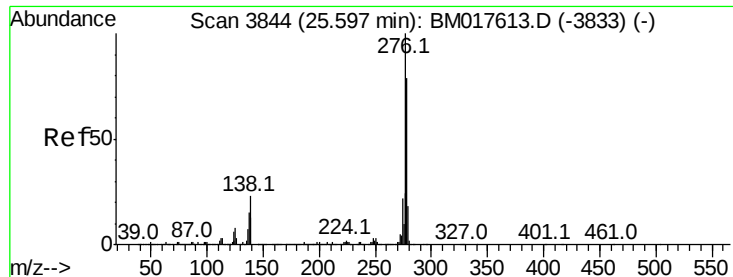


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

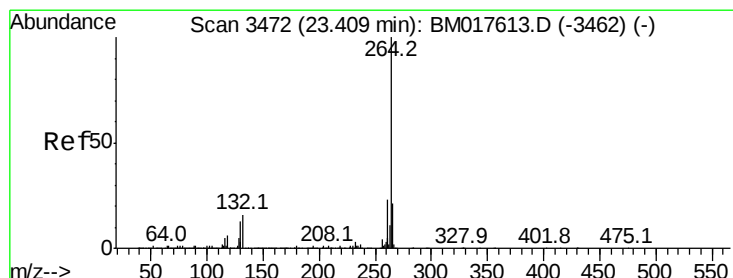
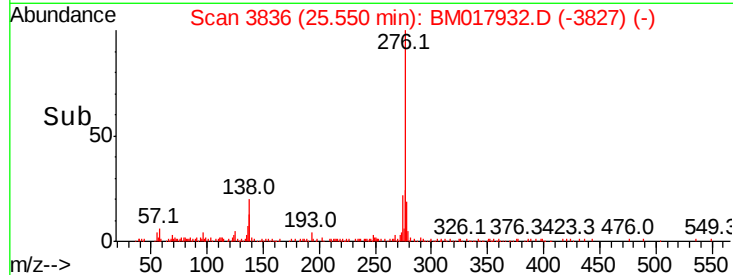
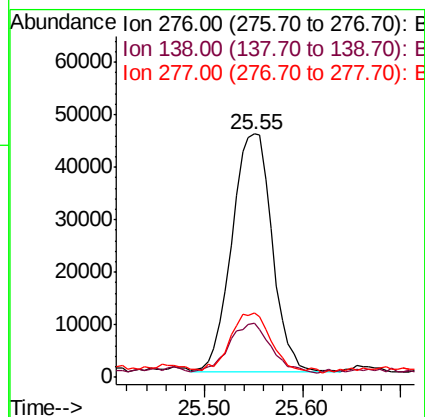
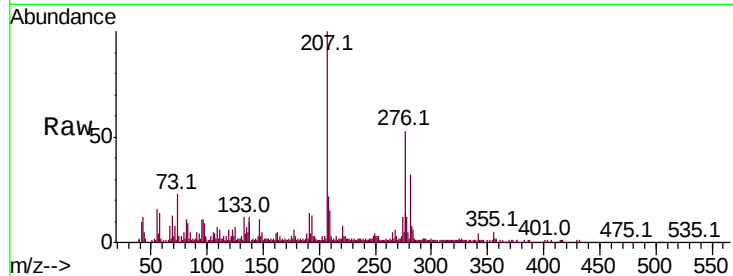




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.843 ng
RT: 25.55 min Scan# 3836
Delta R.T. -0.05 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

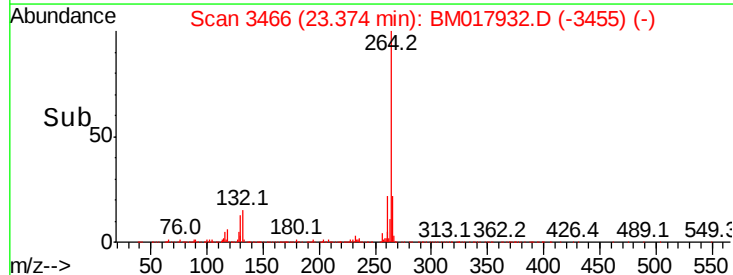
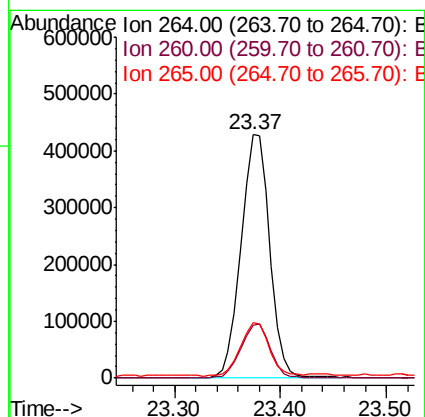
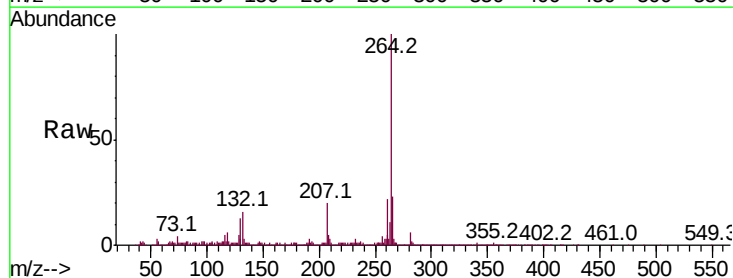
Instrument :
BNA_M
ClientSampleId :
A0C10-01B1-(0-6)

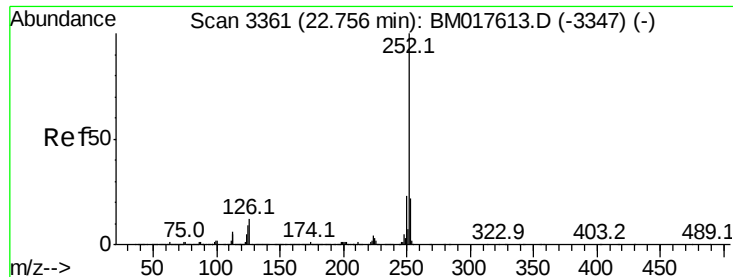
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.1	28.7
277	23.4	20.0	30.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3466
Delta R.T. -0.04 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.2
265	22.7	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 4.482 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.03 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Instrument :

BNA_M

ClientSampleId :

A0C10-01B1-(0-6)

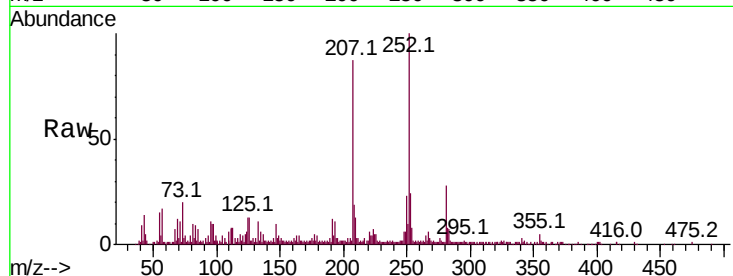
Tot Ion:252 Resp: 210222

Ion Ratio Lower Upper

252 100

253 24.3 17.3 25.9

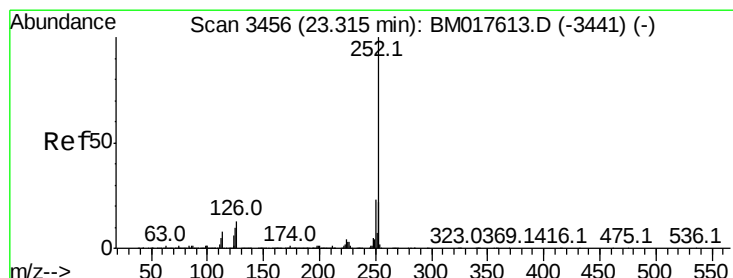
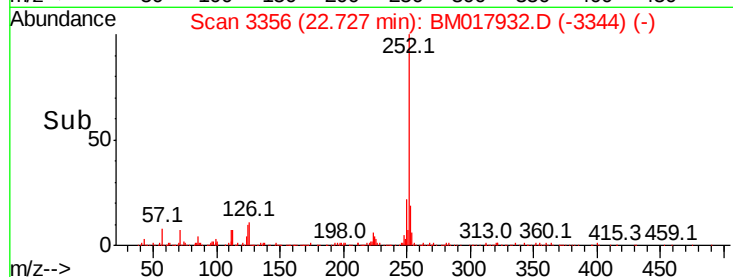
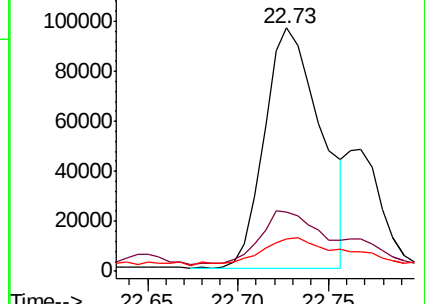
125 13.3 7.6 11.4#



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



#90

Benzo(a)pyrene

Concen: 3.989 ng

RT: 23.28 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

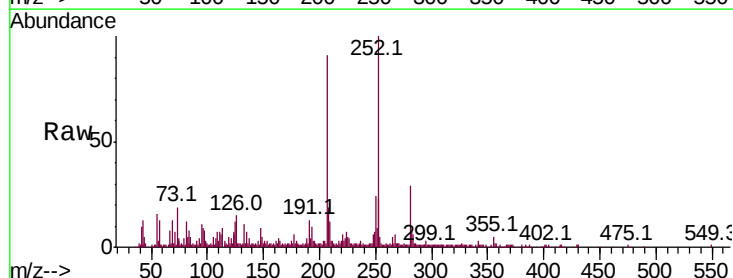
Tgt Ion:252 Resp: 170570

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

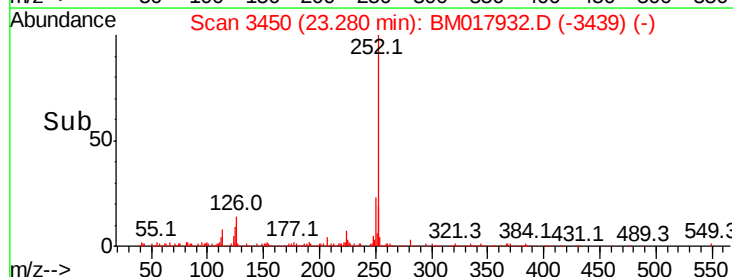
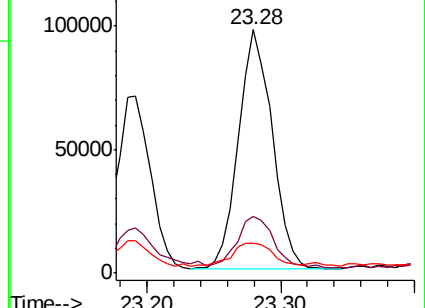
125 12.2 8.2 12.2

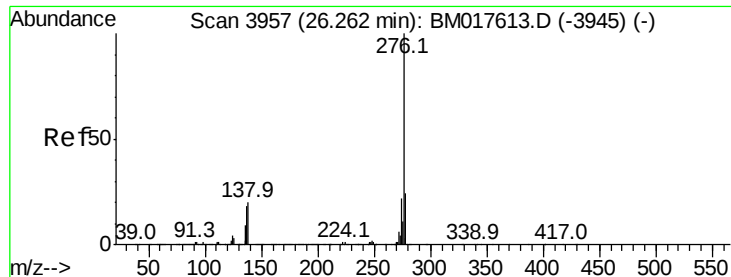


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.287 ng

RT: 26.21 min Scan# 3949

Delta R.T. -0.05 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Instrument :

BNA_M

ClientSampleId :

A0C10-01B1-(0-6)

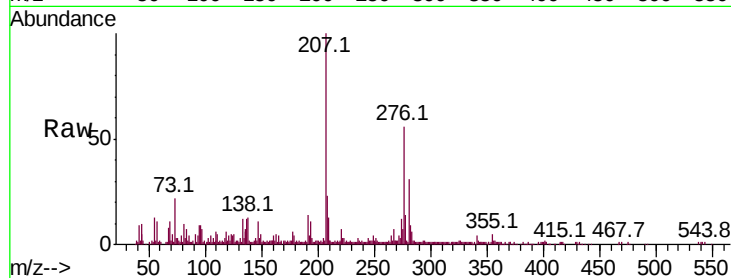
Tot Ion:276 Resp: 144915

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 23.1 15.9 23.9



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

