

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 :

Quant Time: Dec 05 11:07:12 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

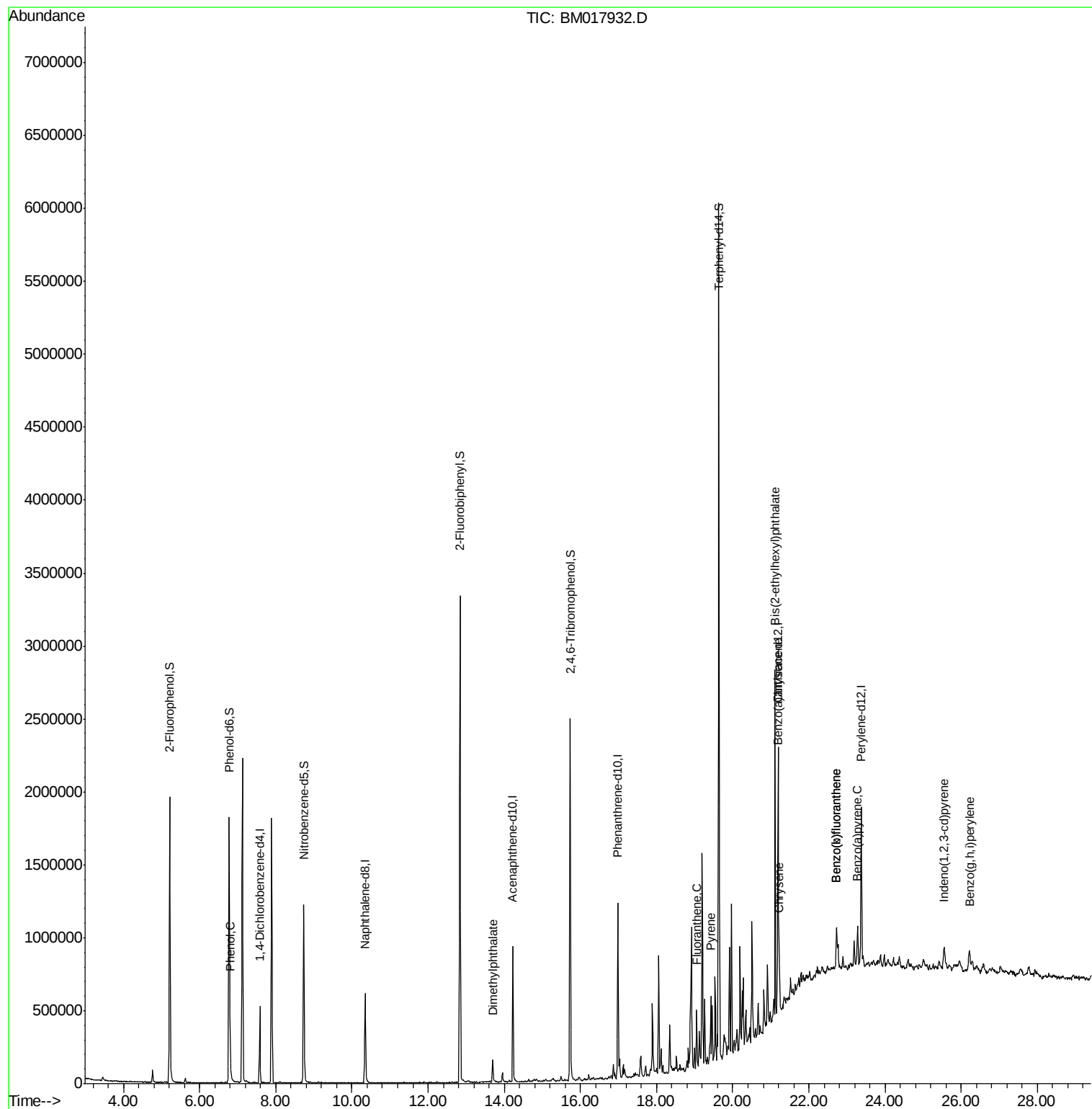
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	141462	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	556521	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	308461	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	694748	20.00	ng	-0.03
76) Chrysene-d12	21.19	240	761908	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
89) Benzo(k)fluoranthene	22.73	252	210222	4.435	ng	# 94
90) Benzo(a)pyrene	23.28	252	170570	3.989	ng	96
92) Benzo(a,h,i)perylene	26.21	276	144915	4.287	ng	96

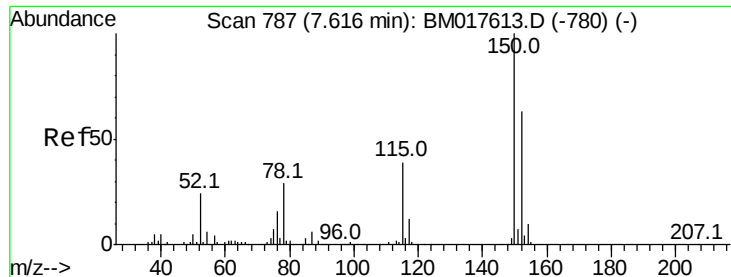
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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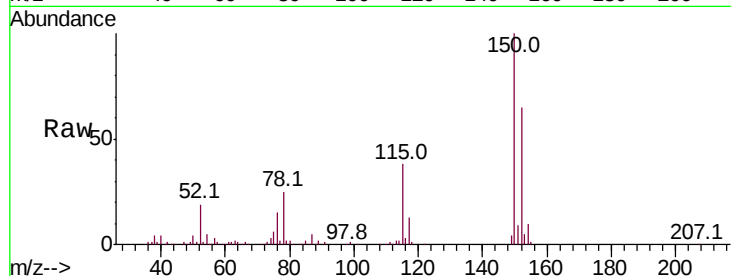


#1

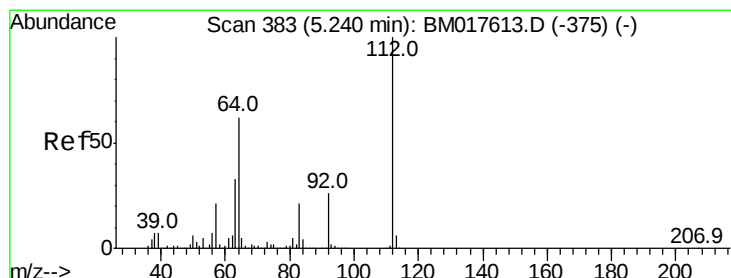
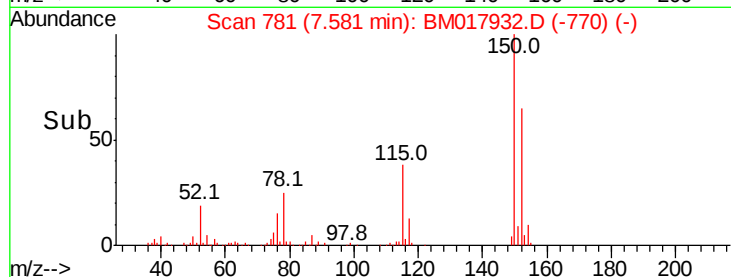
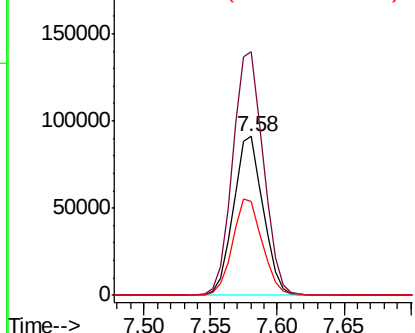
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Instrument :
BNA_M
ClientSampleId :

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



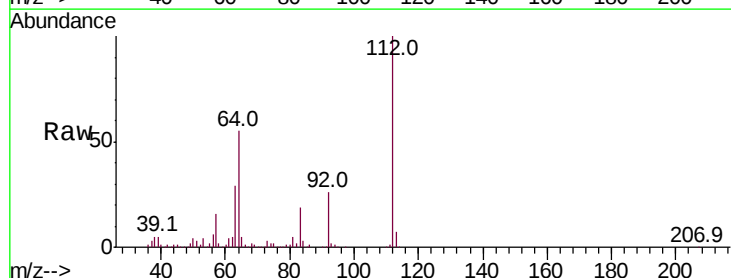
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



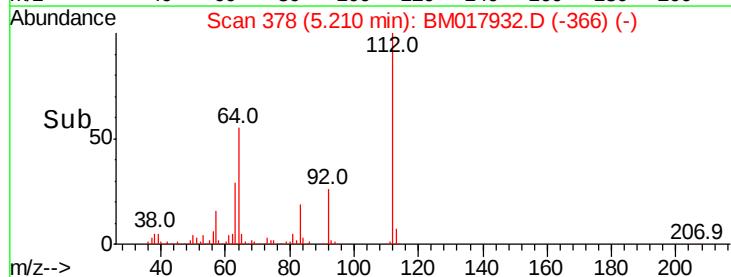
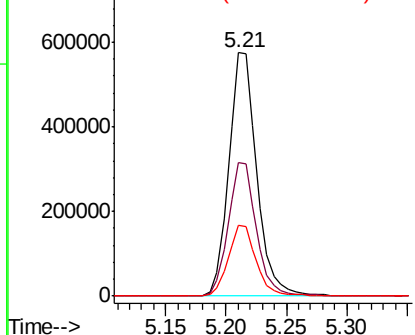
#5

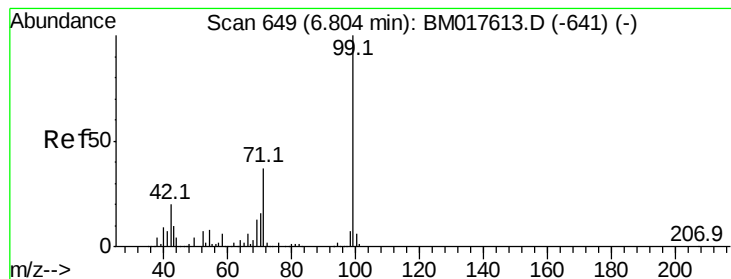
2-Fluorophenol
Concen: 110.496 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

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 :

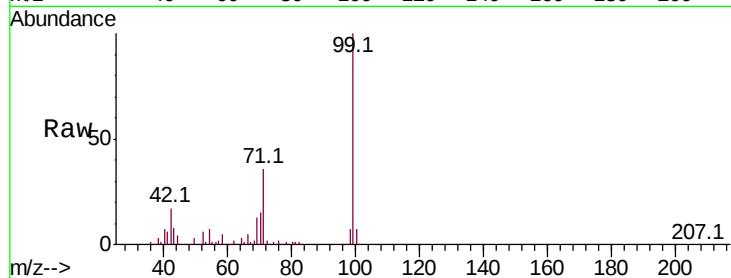
Tot Ion: 99 Resp: 1194861

Ion Ratio Lower Upper

99 100

42 16.6 16.3 24.5

71 35.7 29.8 44.8

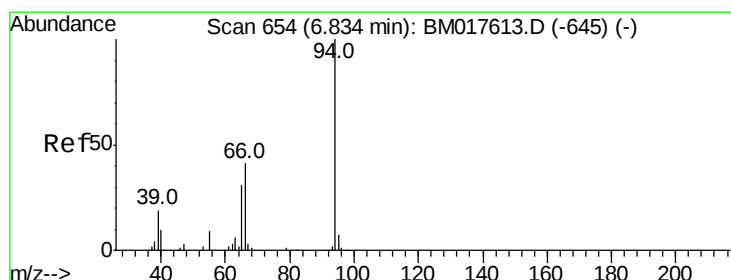
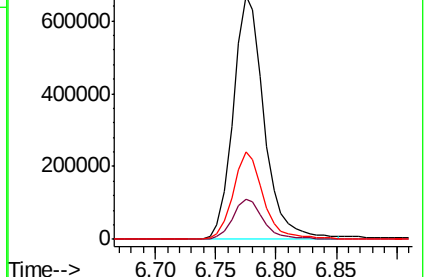
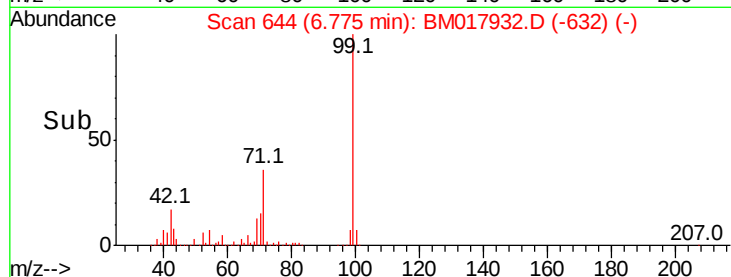


Abundance Ion 99.00 (98.70 to 99.70): BM017613.D (-641) (-)

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

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

6.77



#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

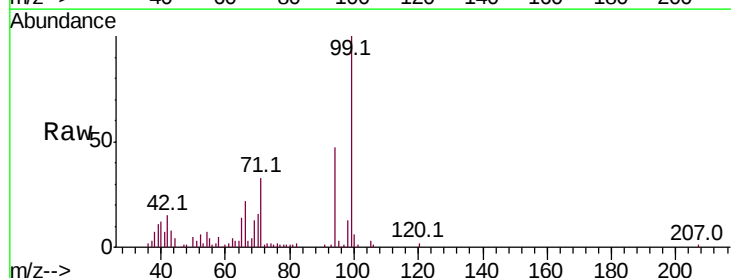
Tgt Ion: 94 Resp: 60786

Ion Ratio Lower Upper

94 100

65 30.0 11.4 51.4

66 46.4 21.4 61.4

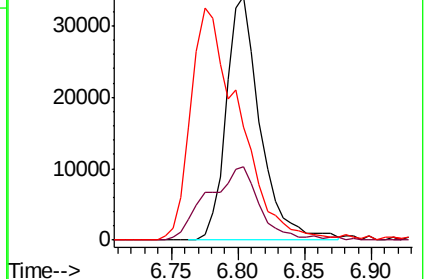
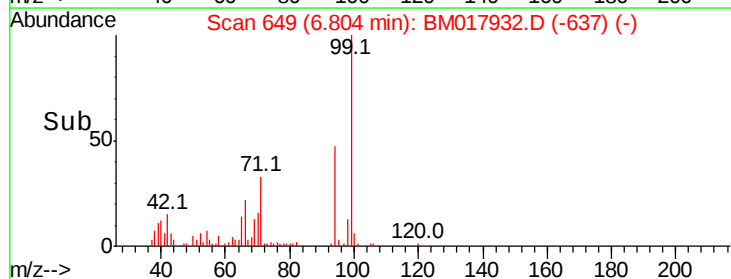


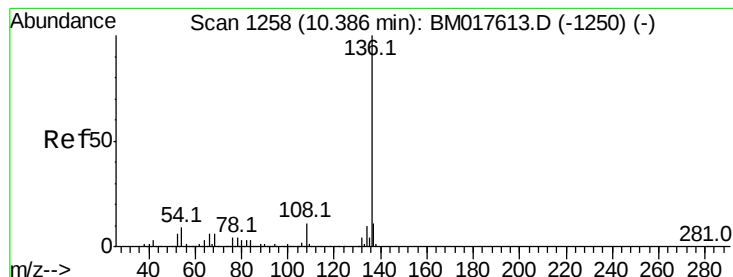
Abundance Ion 94.00 (93.70 to 94.70): BM017613.D (-645) (-)

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

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

6.80





#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 :

Tot Ion:136 Resp: 556521

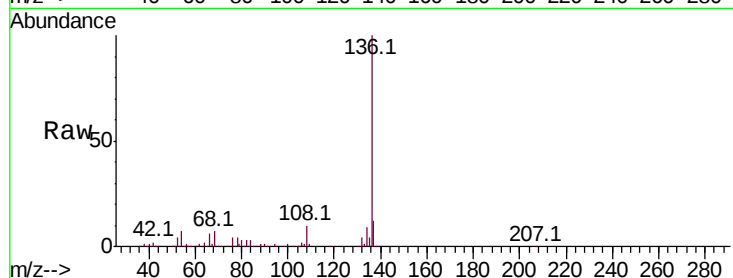
Ion Ratio Lower Upper

136 100

137 11.8 8.6 12.8

54 6.8 7.0 10.6#

68 6.6 4.9 7.3

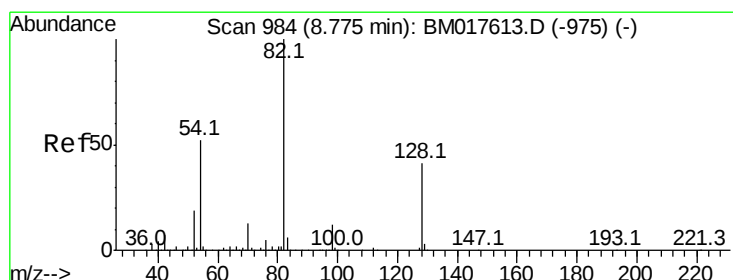
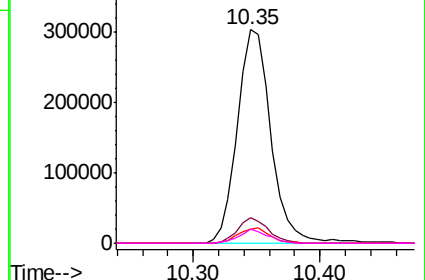
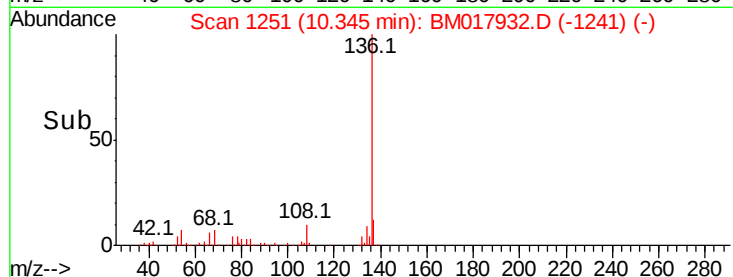


Abundance Ion 136.00 (135.70 to 136.70): E

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

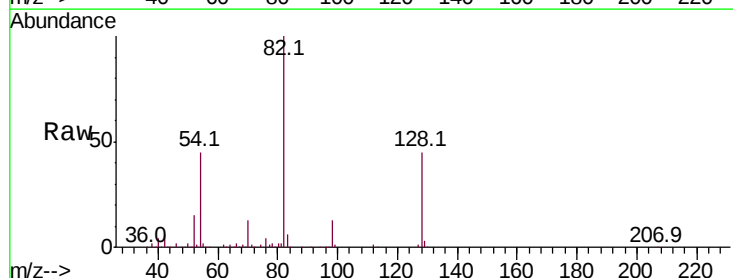
Tgt Ion: 82 Resp: 735076

Ion Ratio Lower Upper

82 100

128 44.6 33.0 49.4

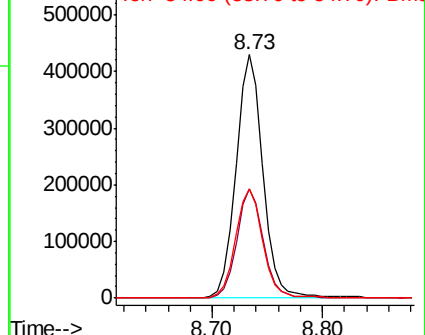
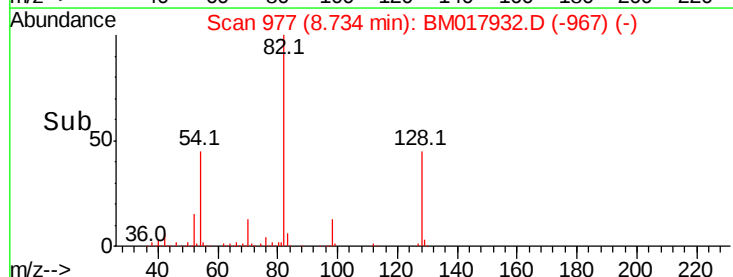
54 44.7 41.4 62.2

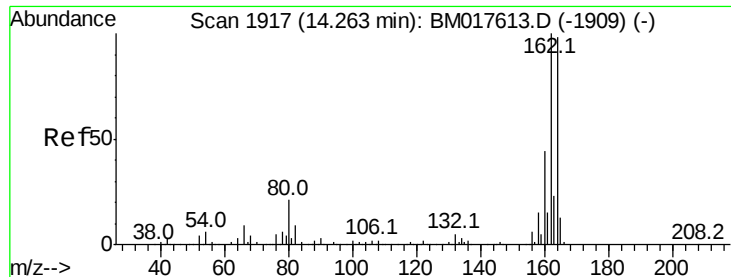


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

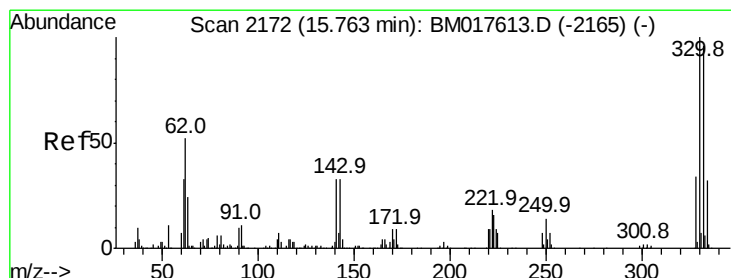
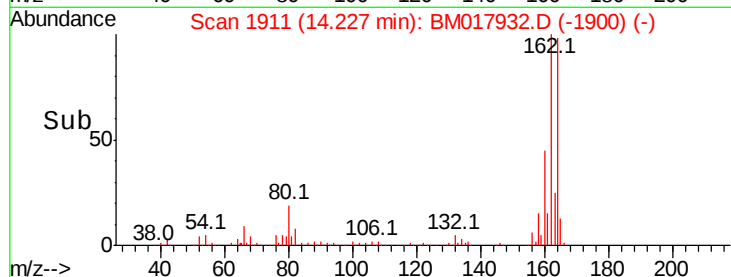
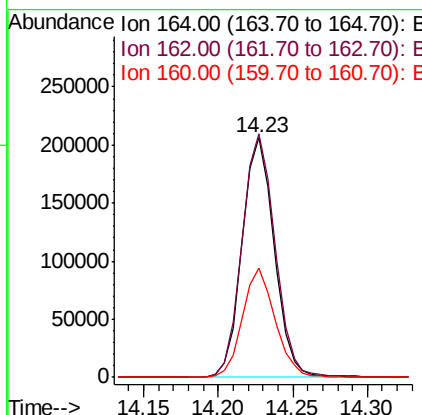
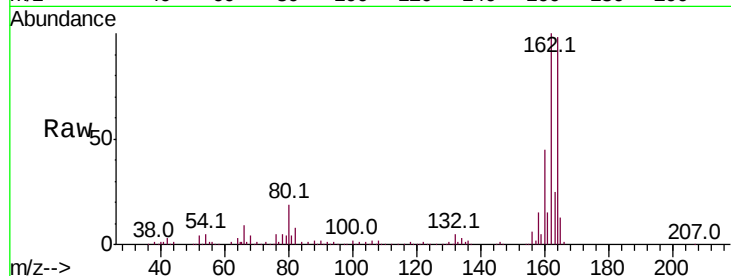




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.23 min Scan# 1911
Delta R.T. -0.04 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

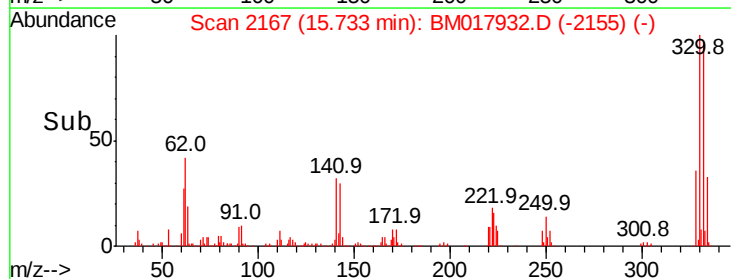
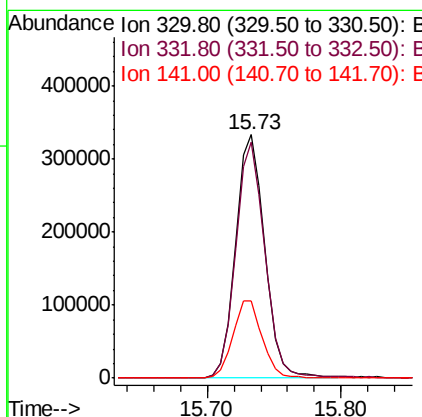
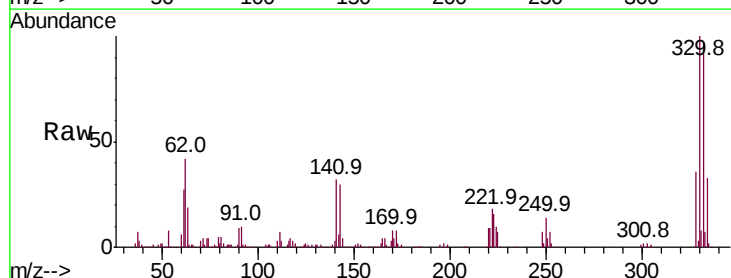
Instrument :
BNA_M
ClientSampleId :

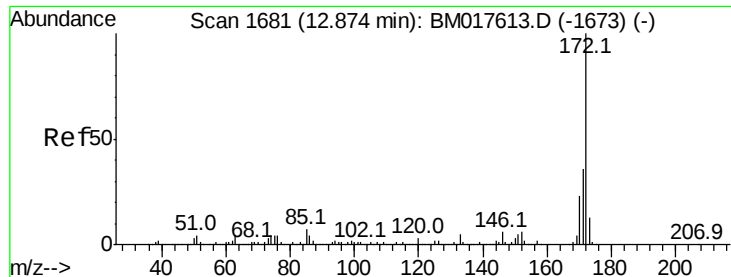
Tot Ion:164 Resp: 308461
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 45.5 35.6 53.4



#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

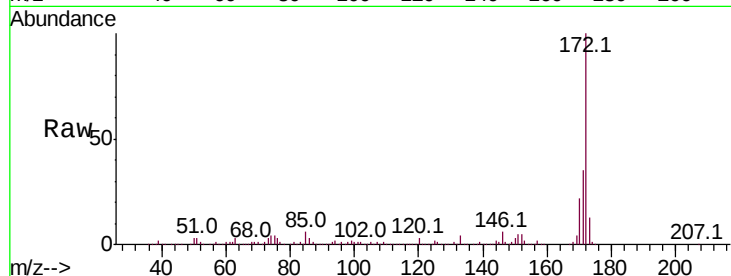




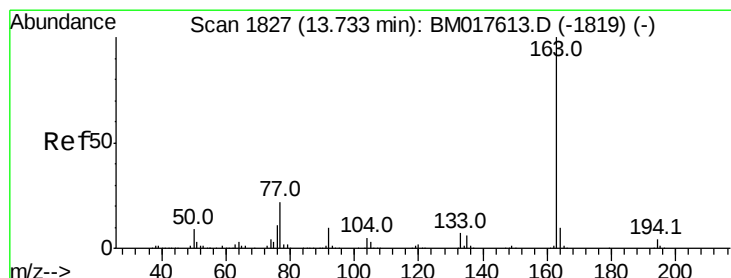
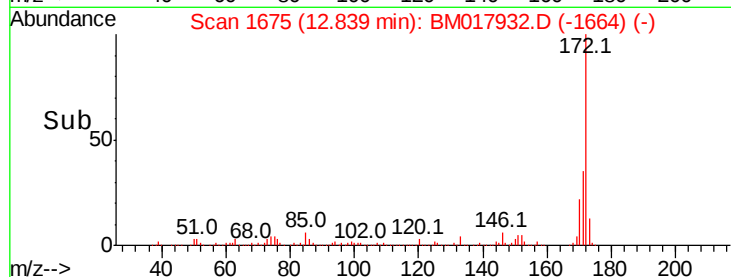
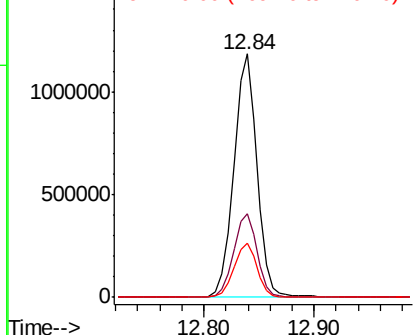
#45
2-Fluorobiphenyl
Concen: 73.394 ng
RT: 12.84 min Scan# 1675
Delta R.T. -0.04 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Instrument :
BNA_M
ClientSampleId :

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

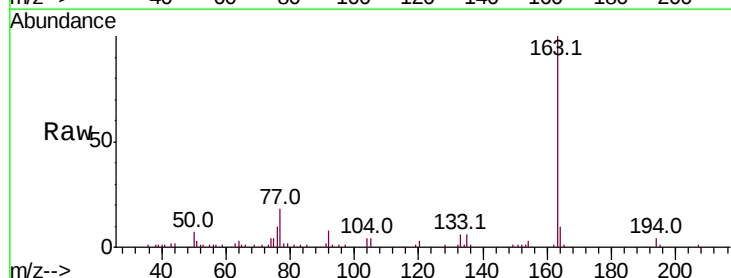


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

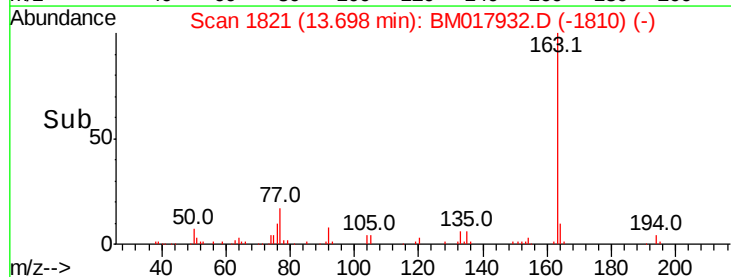
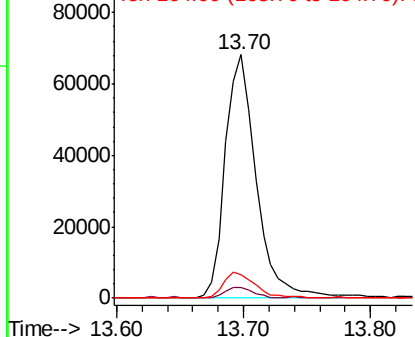


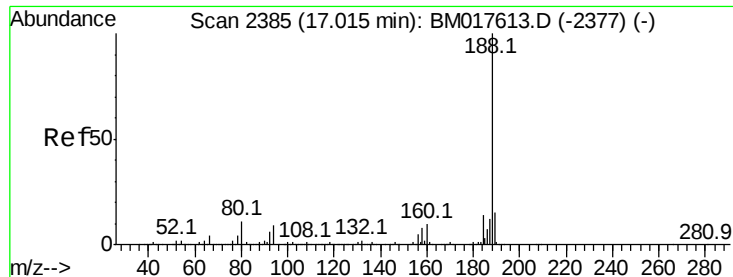
#50
Dimethylphthalate
Concen: 4.612 ng
RT: 13.70 min Scan# 1821
Delta R.T. -0.04 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

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



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

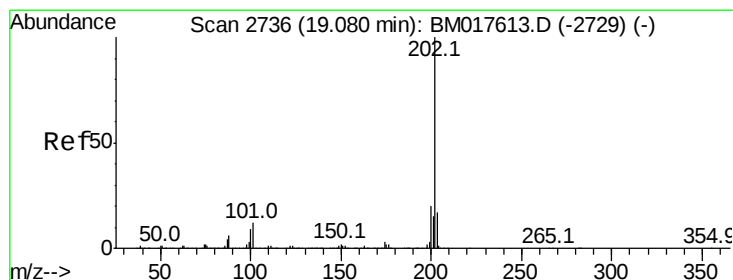
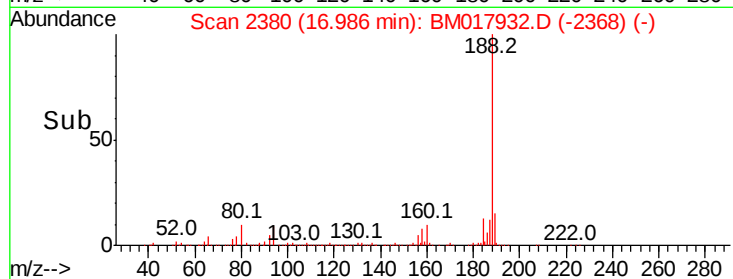
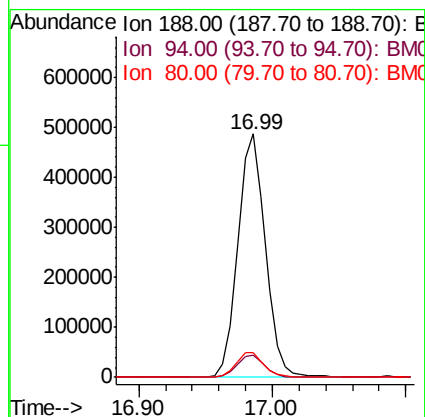
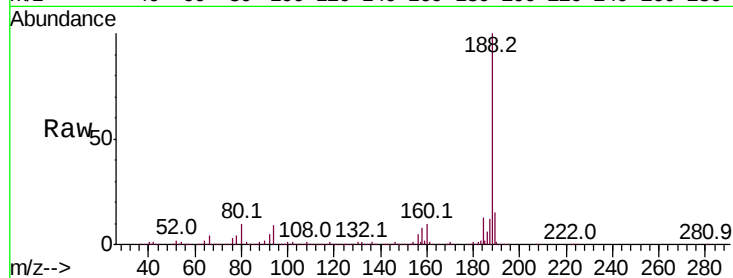




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.03 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

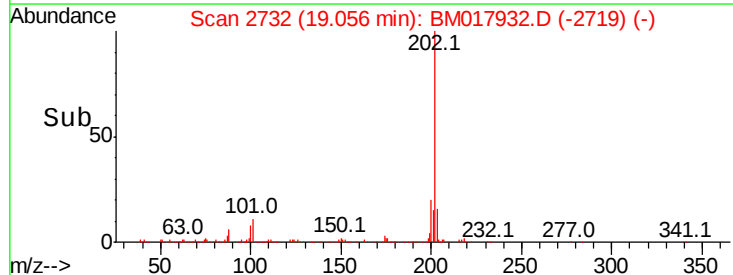
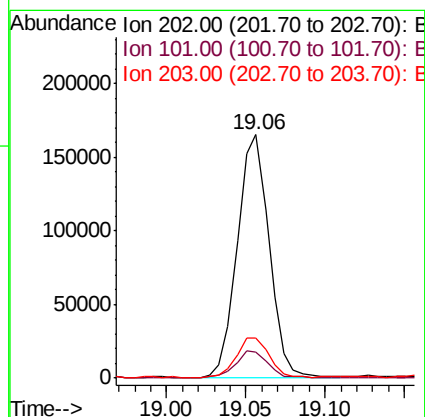
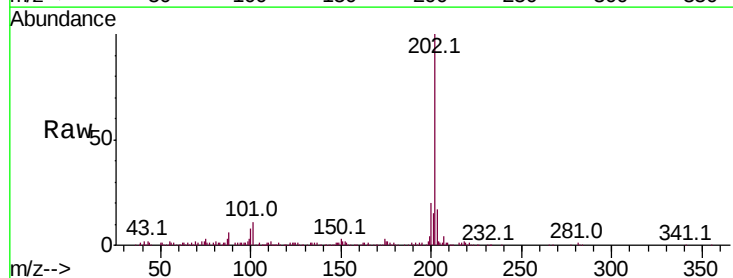
Instrument :
BNA_M
ClientSampleId :

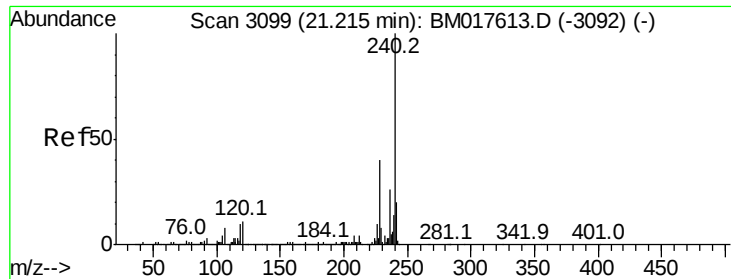
Tot Ion:188 Resp: 694748
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 10.4 8.6 13.0



#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

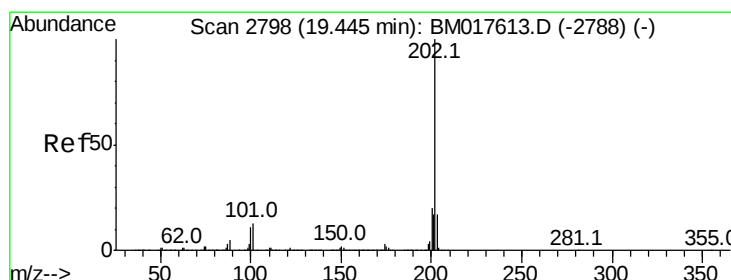
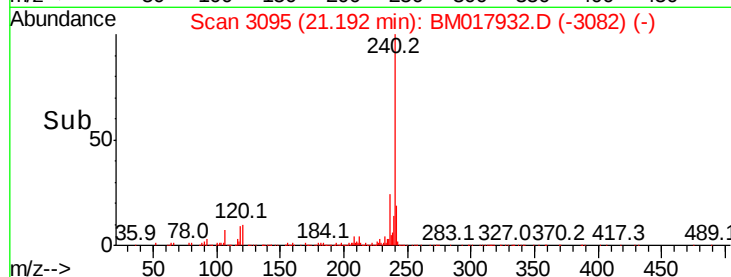
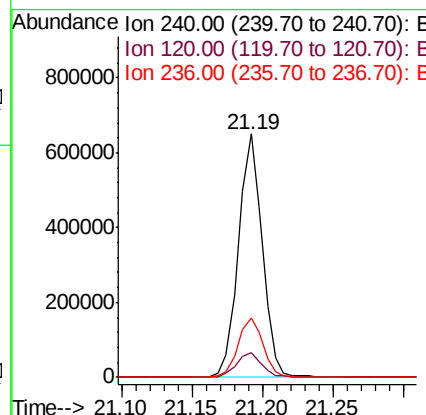
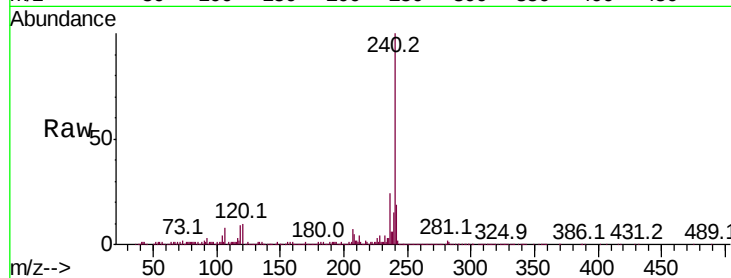




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

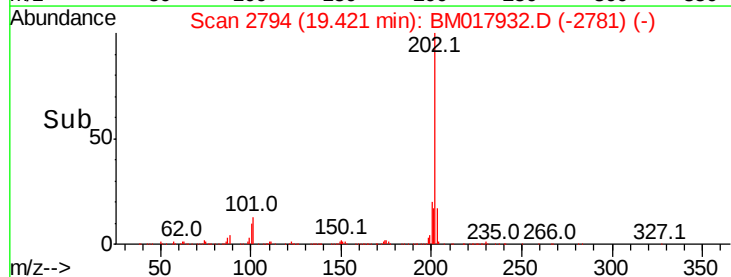
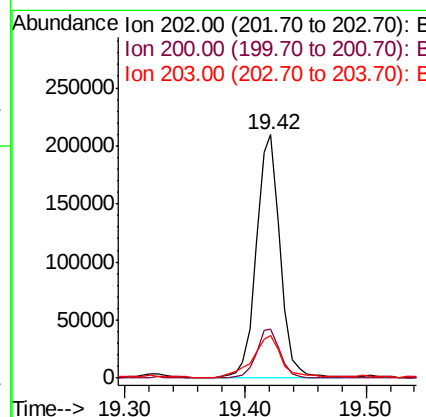
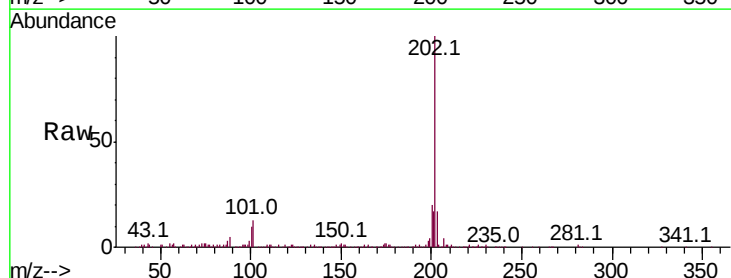
Instrument :
BNA_M
ClientSampleId :

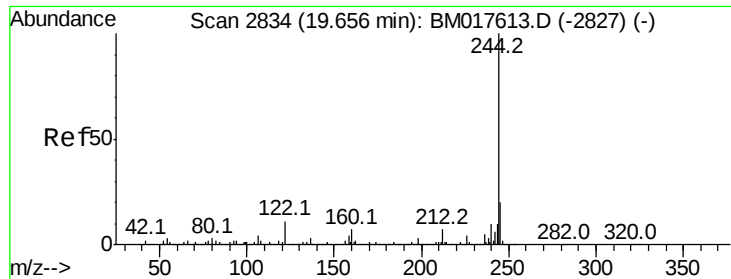
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.5	12.7
236	24.4	20.4	30.6



#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	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

ClientSampled :

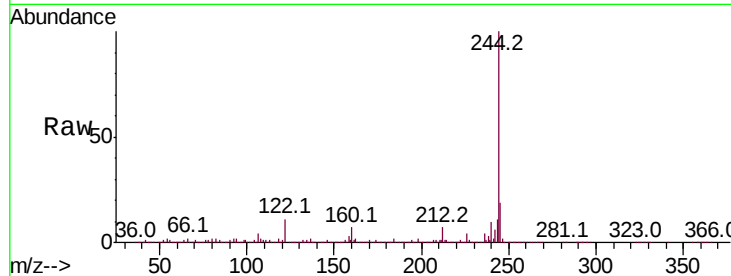
Tot Ion:244 Resp: 2590070

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

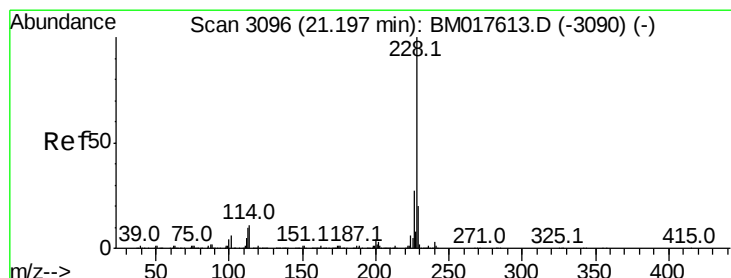
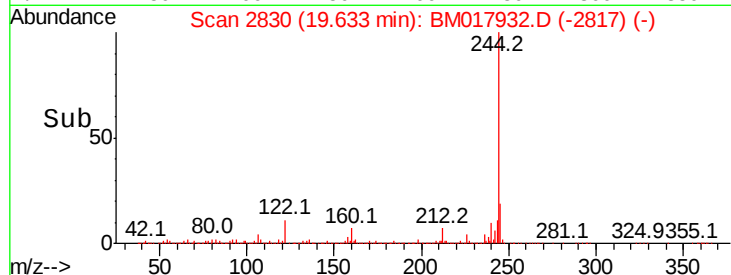
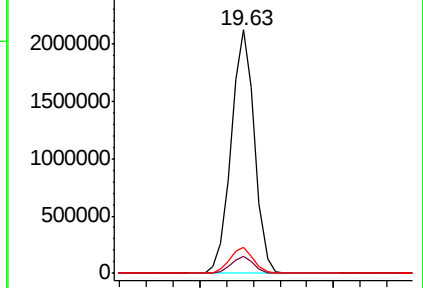
122 10.7 9.0 13.6



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

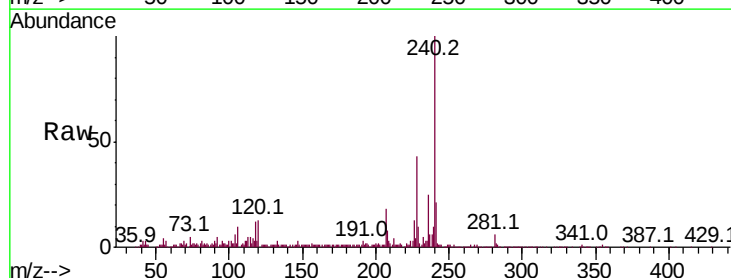
Tgt Ion:228 Resp: 137273

Ion Ratio Lower Upper

228 100

226 30.2 21.3 31.9

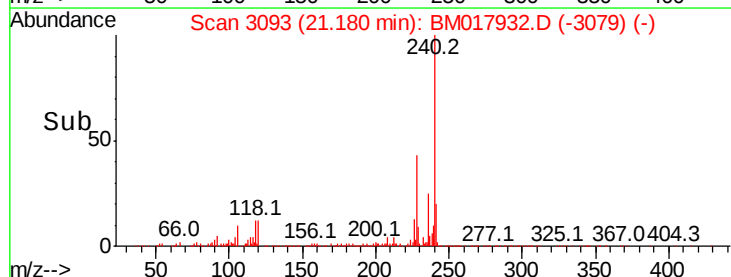
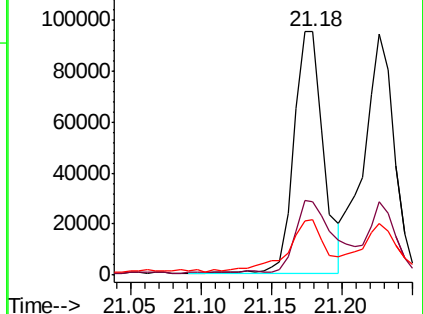
229 22.7 16.0 24.0

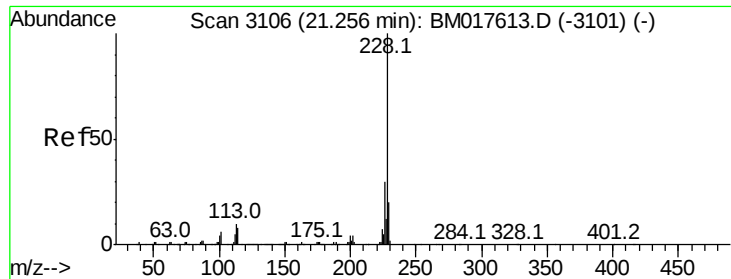


Abundance Ion 228.00 (227.70 to 228.70): E

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

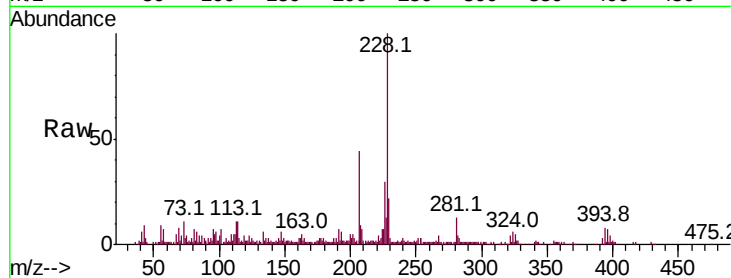
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 141099

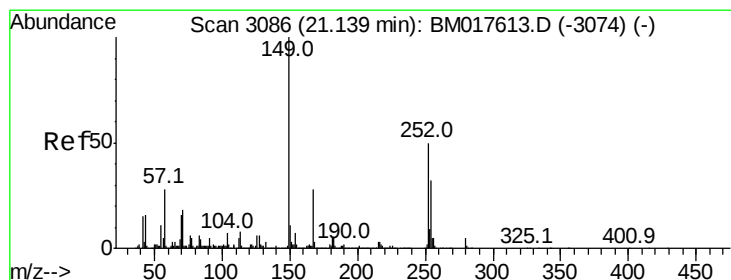
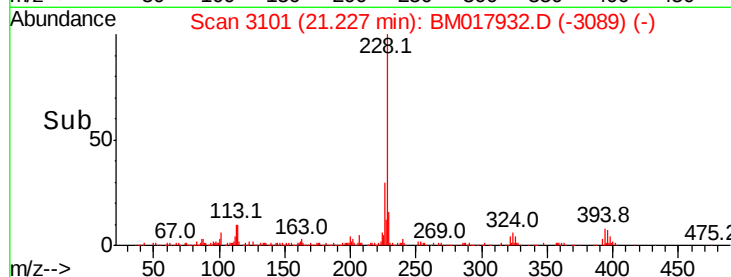
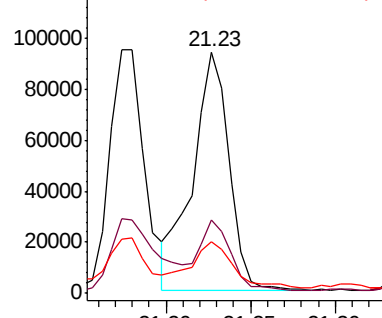
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.6	35.4
229	21.5	15.8	23.6



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

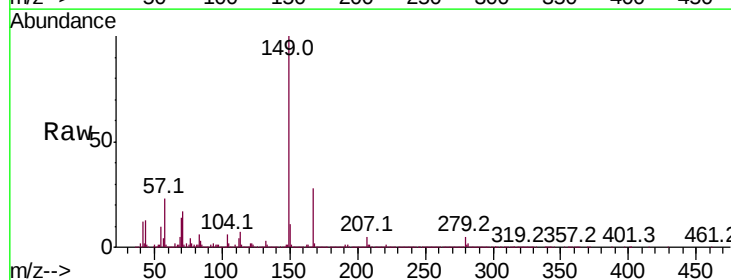
Delta R.T. -0.02 min

Lab File: BM017932.D

Acq: 05 Dec 2018 09:36

Tgt Ion:149 Resp: 833310

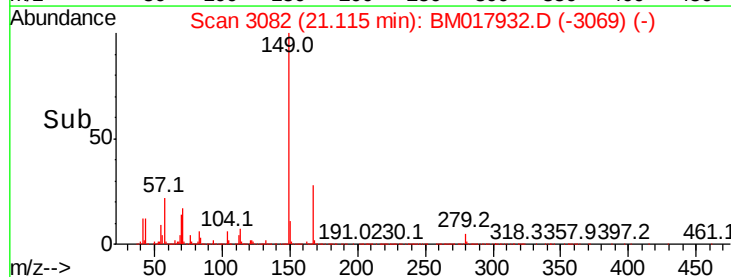
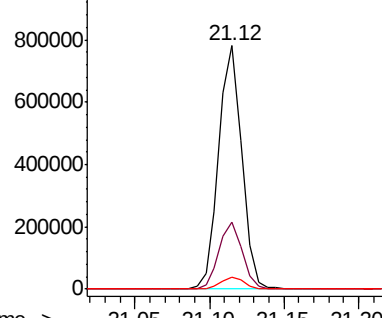
Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.9	3.7	5.5

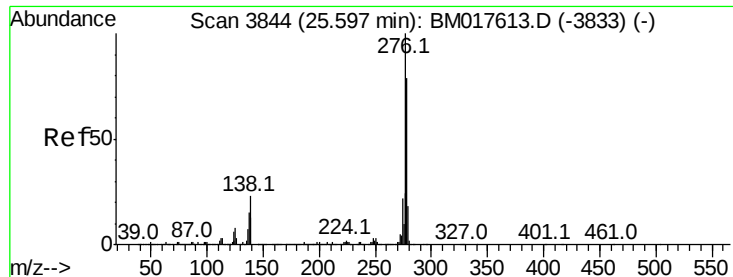


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

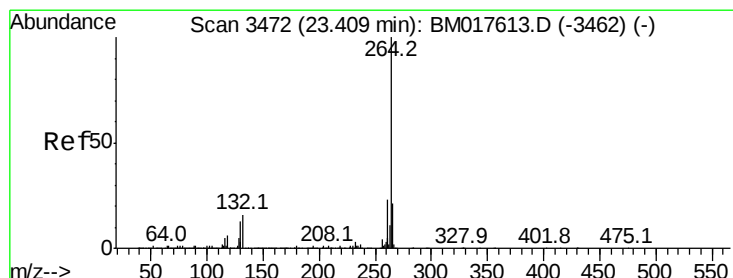
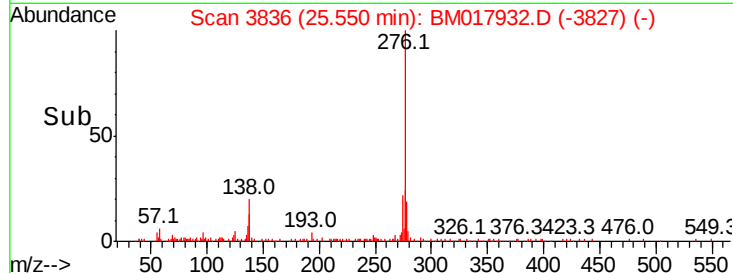
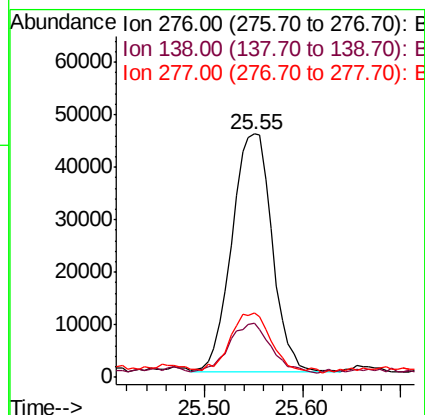
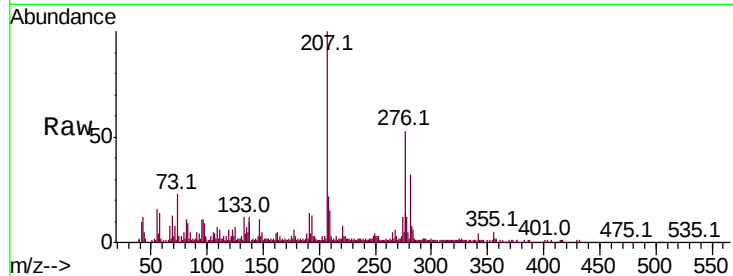




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.843 ng
 RT: 25.55 min Scan# 3836
 Delta R.T. -0.05 min
 Lab File: BM017932.D
 Acq: 05 Dec 2018 09:36

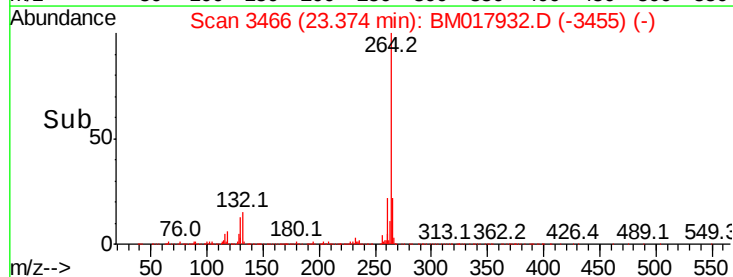
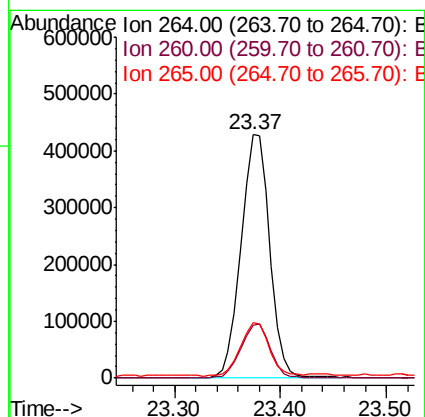
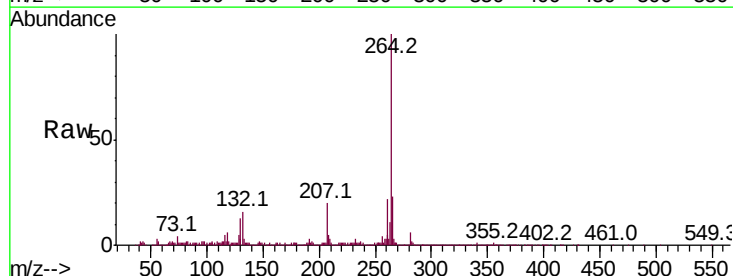
Instrument :
 BNA_M
 ClientSampleId :

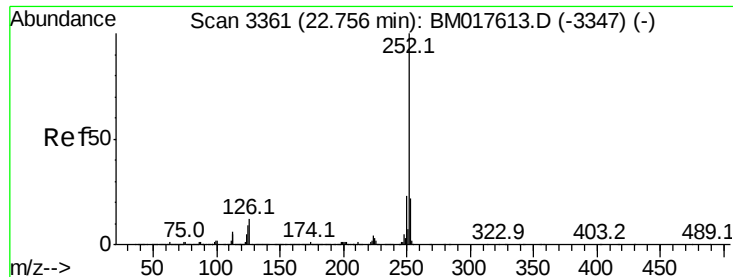
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.1	28.7
277	23.4	20.0	30.0



#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

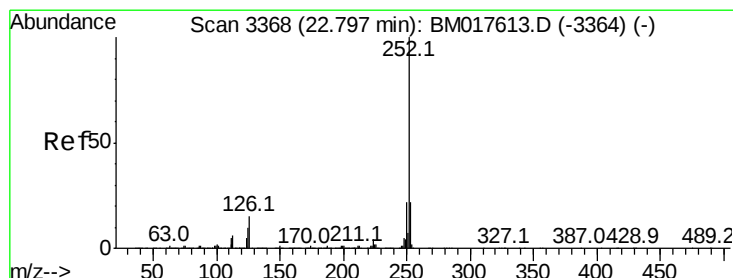
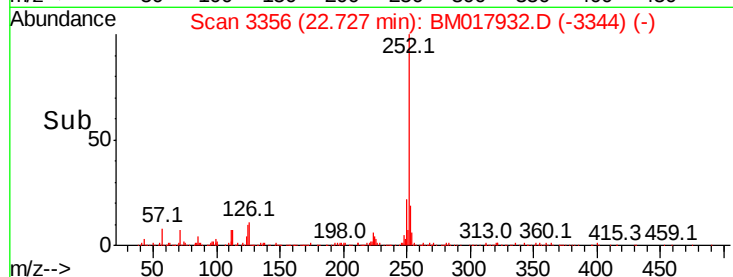
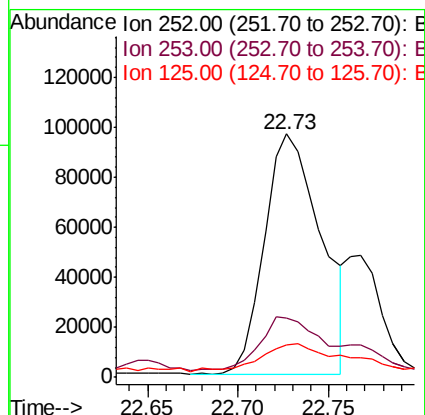
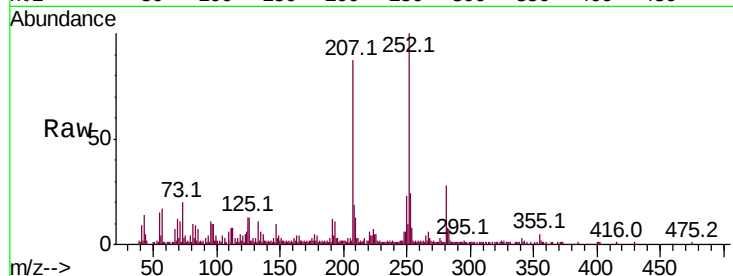




#88
Benzo(b)fluoranthene
Concen: 4.482 ng
RT: 22.73 min Scan# 3356
Delta R.T. -0.03 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

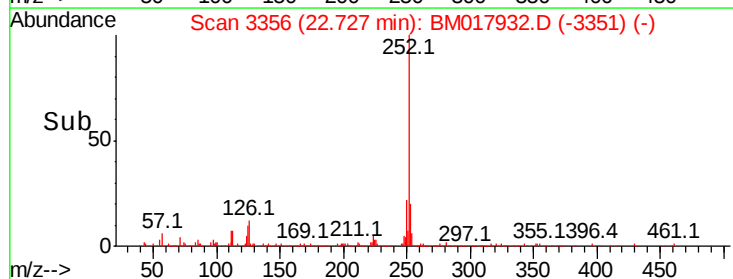
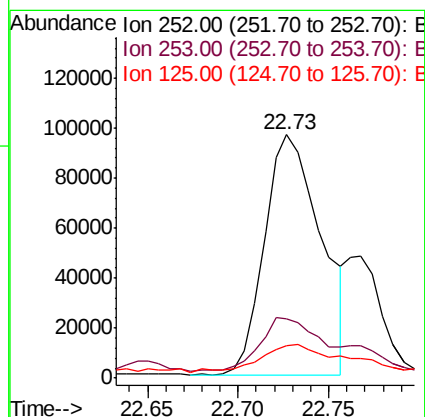
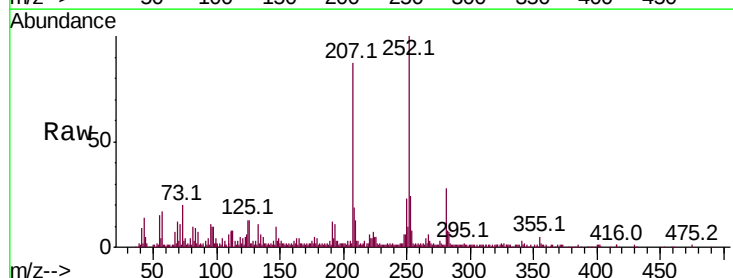
Instrument :
BNA_M
ClientSampleId :

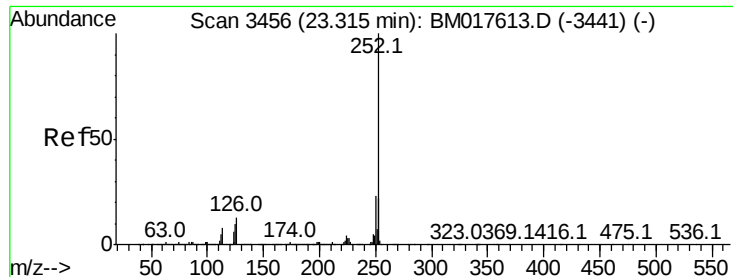
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	13.3	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 4.435 ng
RT: 22.73 min Scan# 3356
Delta R.T. -0.07 min
Lab File: BM017932.D
Acq: 05 Dec 2018 09:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	13.3	7.9	11.9





#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

Instrument :

BNA_M

ClientSampleId :

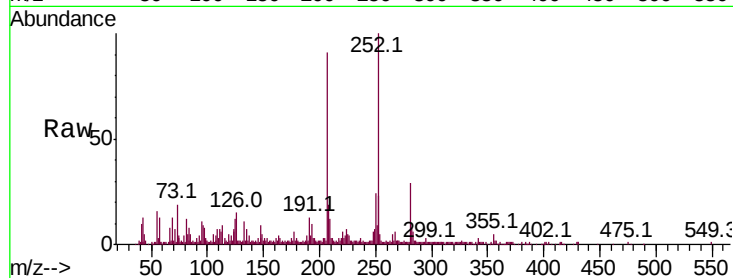
Tot Ion:252 Resp: 170570

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

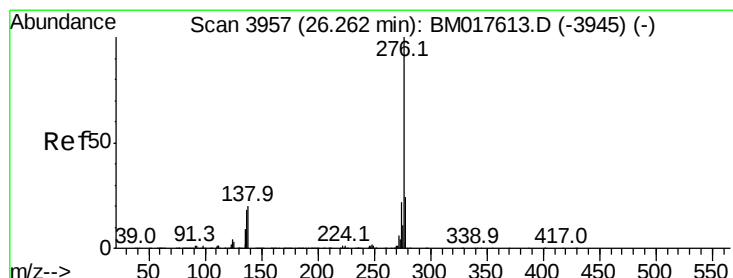
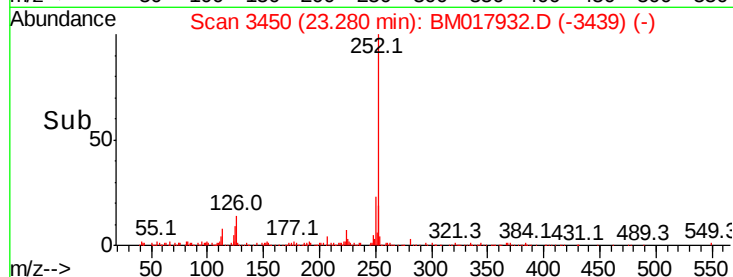
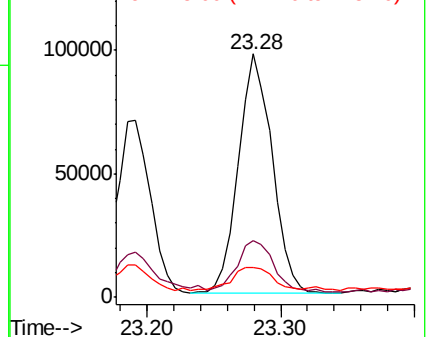
125 12.2 8.2 12.2



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(g,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

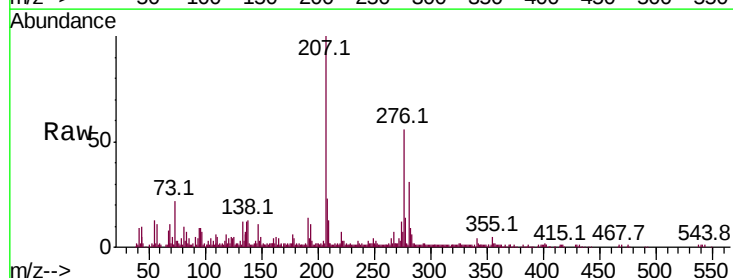
Tgt Ion:276 Resp: 144915

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

