

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122018\
 Data File : BM018336.D
 Acq On : 20 Dec 2018 18:45
 Operator : JU/SJ
 Sample : J6457-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-09A

Quant Time: Dec 21 01:26:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	143471	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	587640	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	332189	20.00	ng	-0.02
64) Phenanthrene-d10	16.90	188	690564	20.00	ng	-0.02
76) Chrysene-d12	21.13	240	572434	20.00	ng	-0.01
87) Perylene-d12	23.29	264	578768	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	1121926	130.63	ng	0.00
7) Phenol-d6	6.69	99	1601346	134.14	ng	-0.01
23) Nitrobenzene-d5	8.64	82	1179285	102.94	ng	-0.02
42) 2,4,6-Tribromophenol	15.65	330	466657	95.71	ng	-0.02
45) 2-Fluorobiphenyl	12.74	172	2166877	84.49	ng	-0.02
79) Terphenyl-d14	19.56	244	2396861	94.70	ng	-0.01

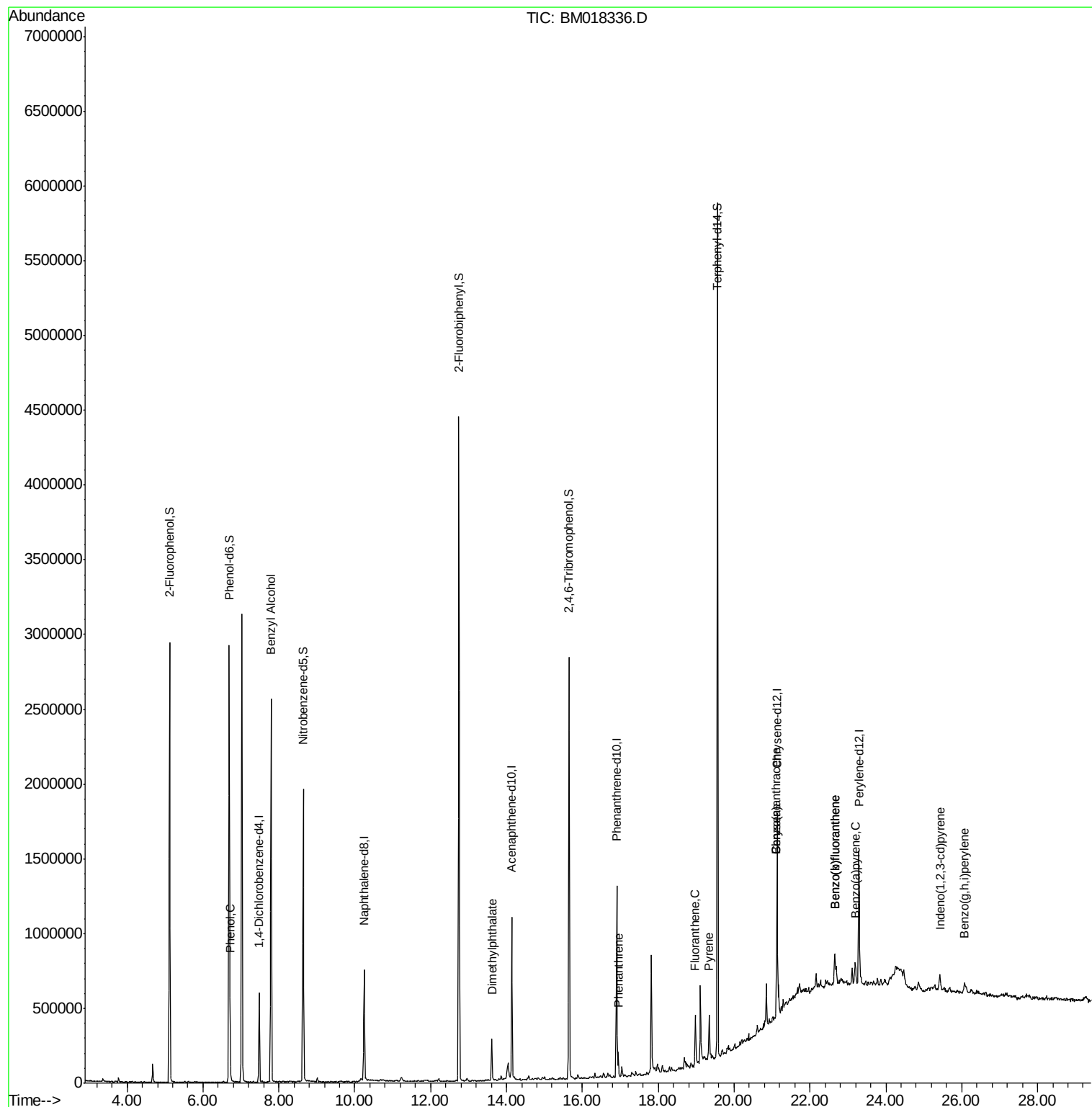
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.72	94	124245	9.828	ng	99
15) Benzyl Alcohol	7.79	79	20276	2.084	ng	# 49
50) Dimethylphthalate	13.62	163	172449	6.244	ng	99
71) Phenanthrene	16.94	178	94589	2.522	ng	98
75) Fluoranthene	18.98	202	166062	3.808	ng	100
78) Pyrene	19.35	202	174577	5.118	ng	99
81) Benzo(a)anthracene	21.12	228	114675	3.429	ng	97
83) Chrysene	21.12	228	114680	3.566	ng	97
86) Indeno(1,2,3-cd)pyrene	25.42	276	79194	2.472	ng	95
88) Benzo(b)fluoranthene	22.66	252	153684	4.727	ng	# 95
89) Benzo(k)fluoranthene	22.66	252	153588	4.744	ng	# 93
90) Benzo(a)pyrene	23.20	252	95843	3.100	ng	# 88
92) Benzo(g,h,i)perylene	26.07	276	74052	2.735	ng	96

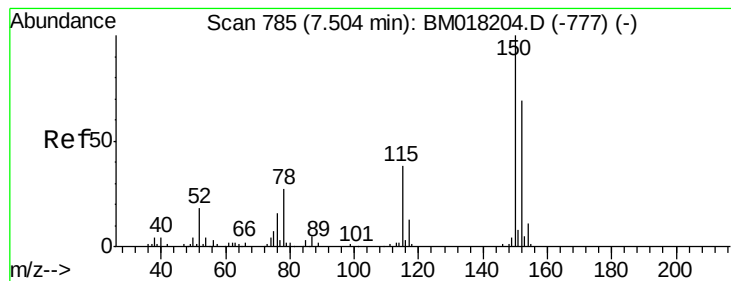
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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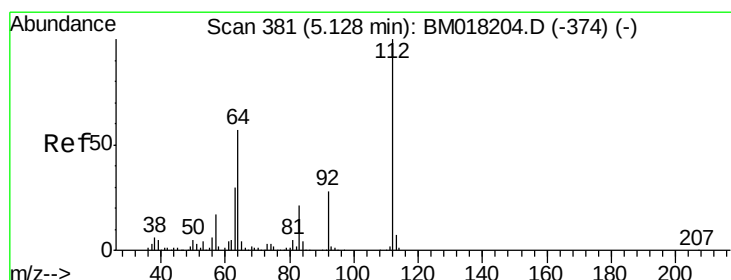
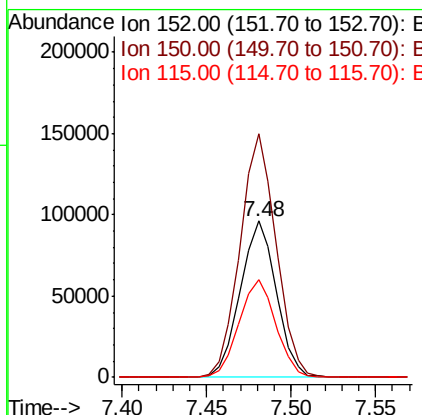
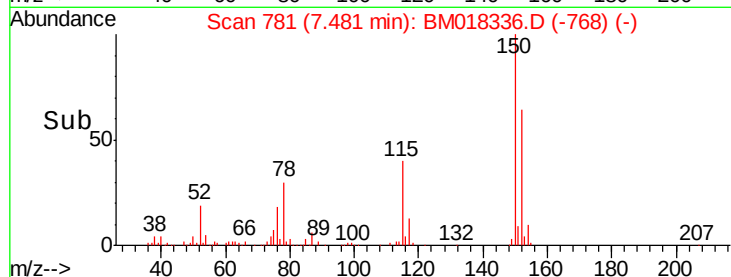
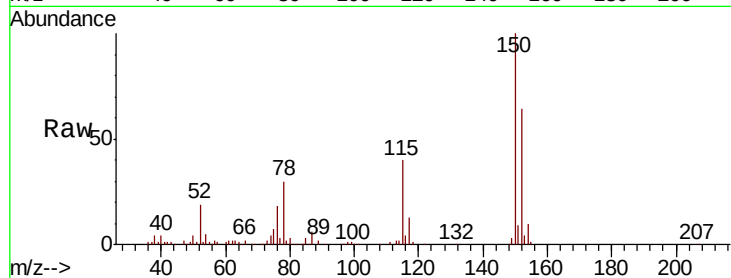


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

Instrument :
BNA_M
ClientSampleId :
SB-09A

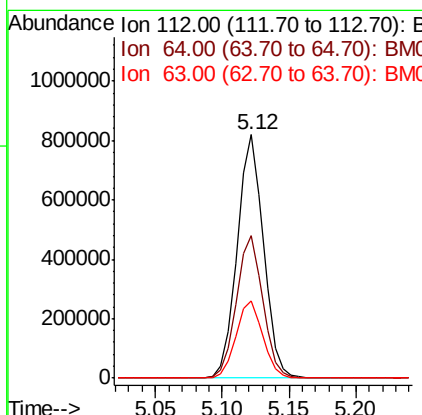
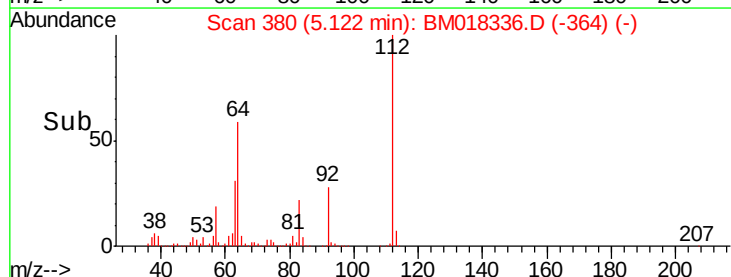
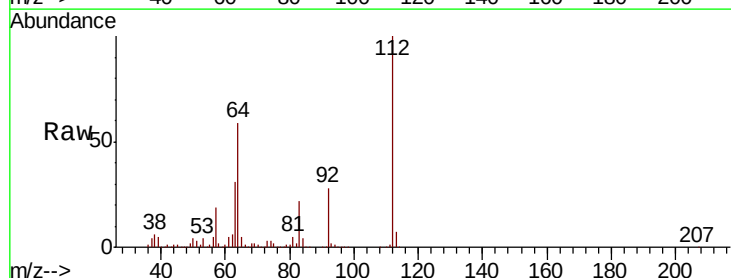
Tgt Ion:152 Resp: 143471
Ion Ratio Lower Upper
152 100
150 155.7 116.1 174.1
115 62.2 44.6 67.0

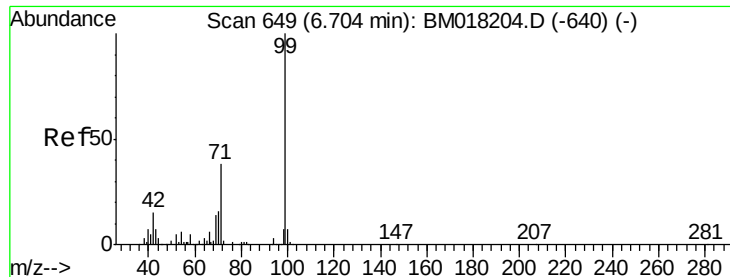


#5

2-Fluorophenol
Concen: 130.630 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

Tgt Ion:112 Resp: 1121926
Ion Ratio Lower Upper
112 100
64 58.6 45.4 68.2
63 31.5 24.0 36.0





#7

Phenol-d6

Concen: 134.145 ng

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Instrument :

BNA_M

ClientSampled :

SB-09A

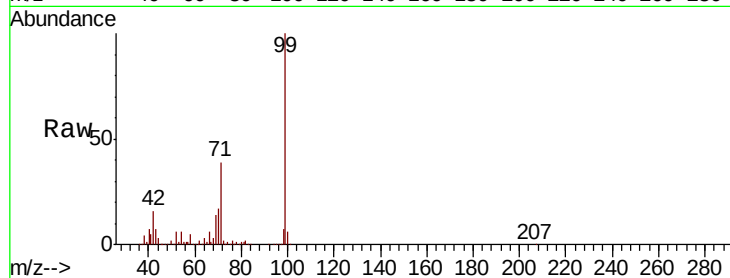
Tgt Ion: 99 Resp: 1601346

Ion Ratio Lower Upper

99 100

42 15.7 12.3 18.5

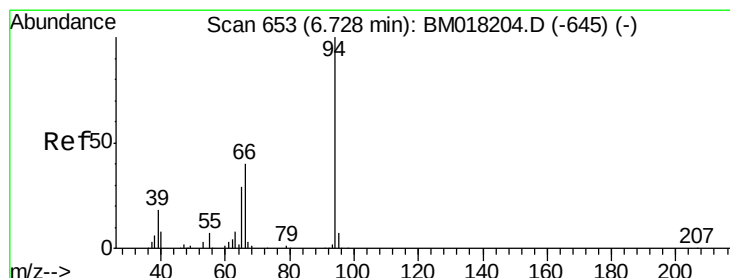
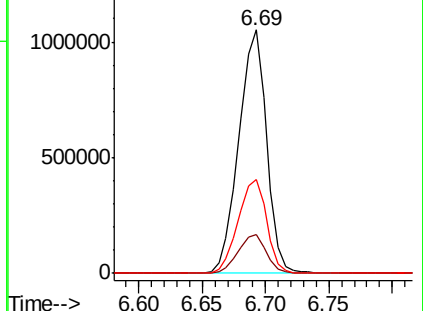
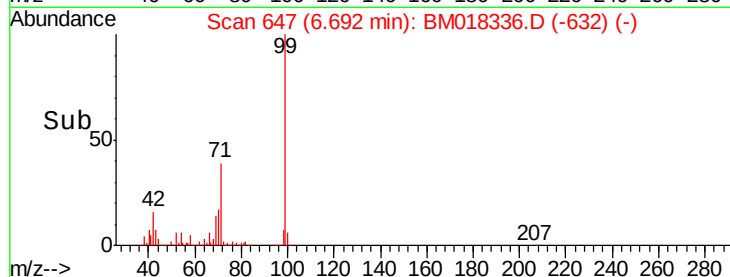
71 38.8 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018336.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018336.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018336.D (-632) (-)



#10

Phenol

Concen: 9.828 ng

RT: 6.72 min Scan# 651

Delta R.T. -0.01 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

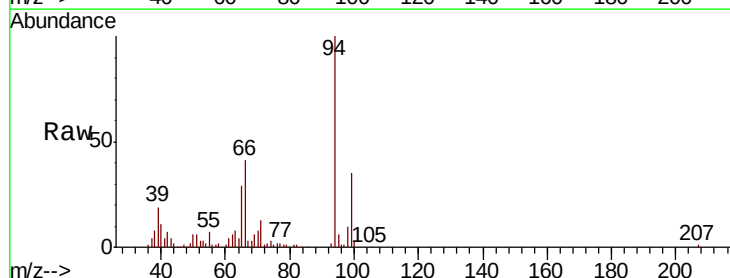
Tgt Ion: 94 Resp: 124245

Ion Ratio Lower Upper

94 100

65 29.0 9.5 49.5

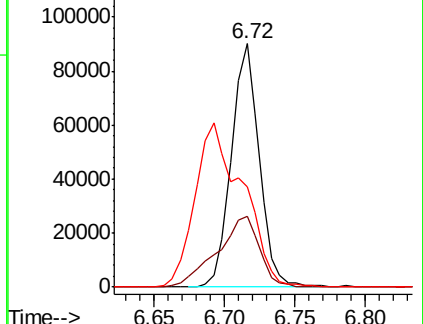
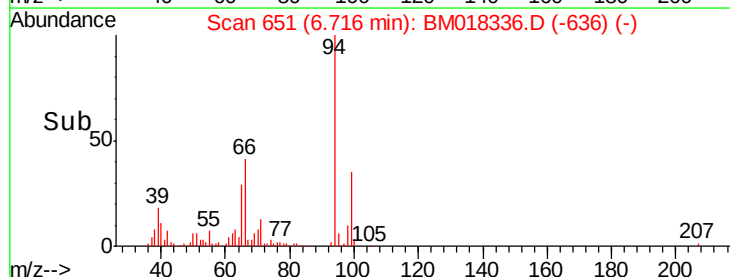
66 41.0 21.3 61.3

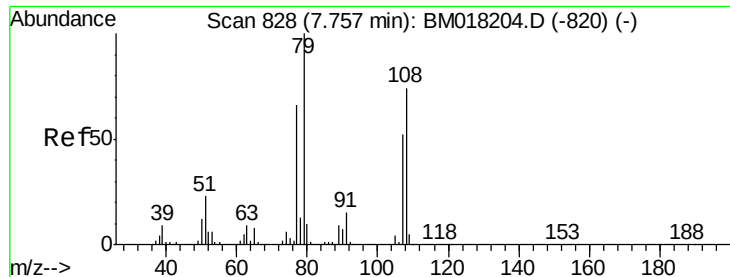


Abundance Ion 94.00 (93.70 to 94.70): BM018336.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018336.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018336.D (-636) (-)





#15

Benzyl Alcohol

Concen: 2.084 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.04 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Instrument :

BNA_M

ClientSampleId :

SB-09A

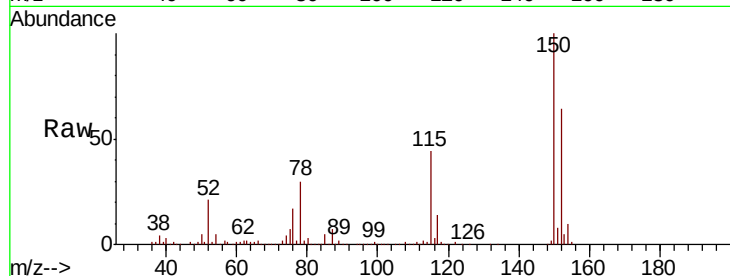
Tgt Ion: 79 Resp: 20276

Ion Ratio Lower Upper

79 100

108 41.7 59.3 88.9#

77 118.6 53.0 79.4#

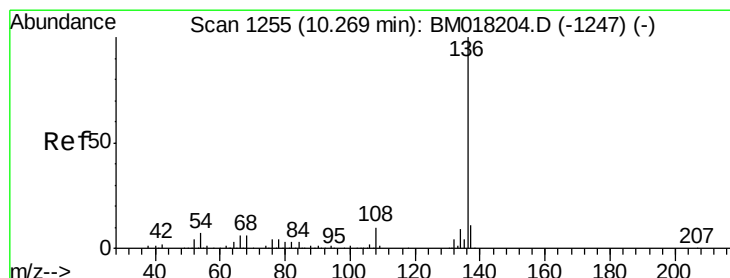
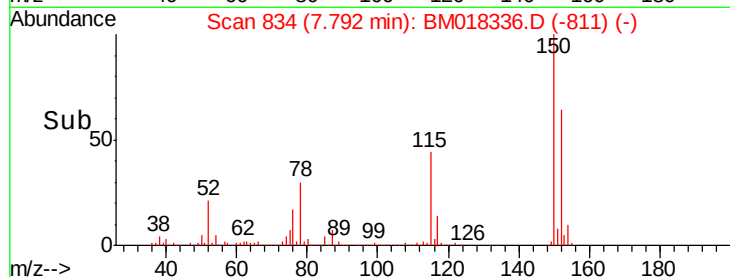
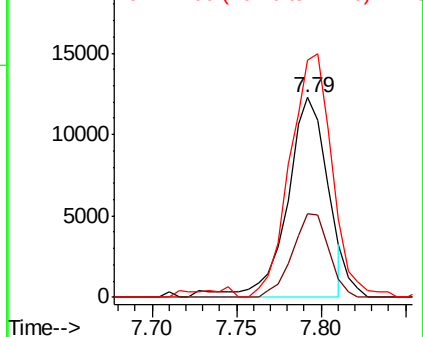


Abundance

Ion 79.00 (78.70 to 79.70): BM018204.D (-820) (-)

Ion 108.00 (107.70 to 108.70): BM018204.D (-820) (-)

Ion 77.00 (76.70 to 77.70): BM018204.D (-820) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Tgt Ion: 136 Resp: 587640

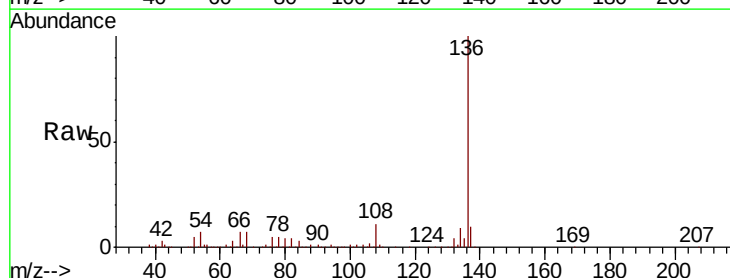
Ion Ratio Lower Upper

136 100

137 10.3 9.2 13.8

54 7.0 5.2 7.8

68 6.7 5.0 7.6



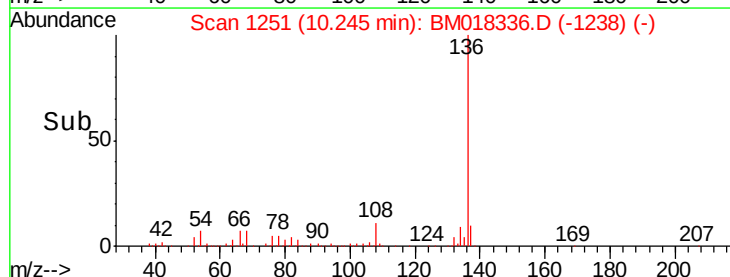
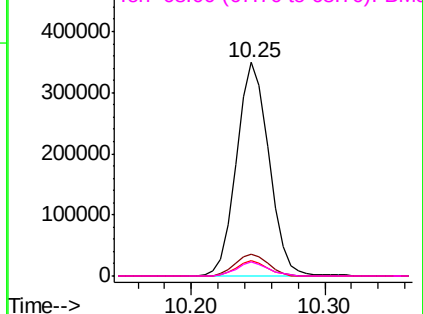
Abundance

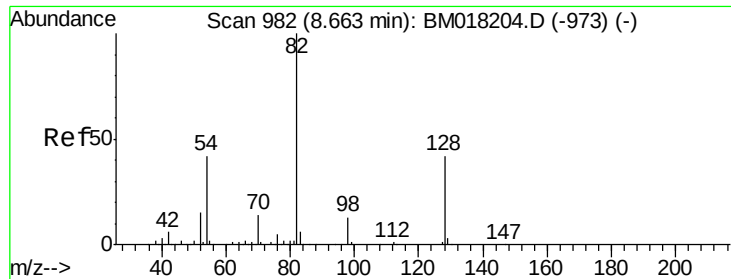
Ion 136.00 (135.70 to 136.70): BM018204.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM018204.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM018204.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM018204.D (-1247) (-)

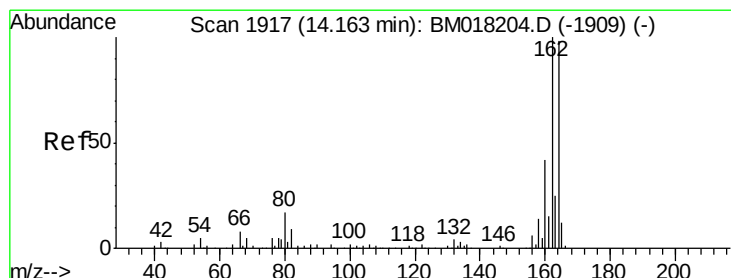
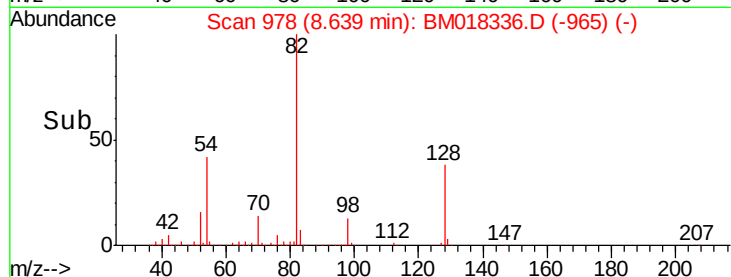
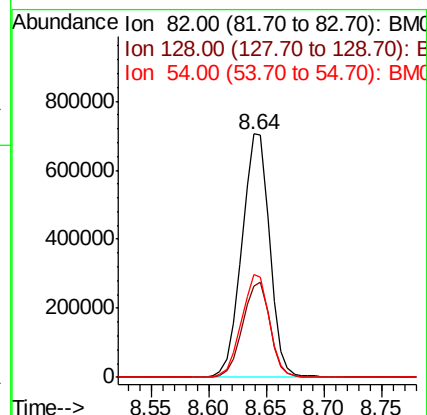
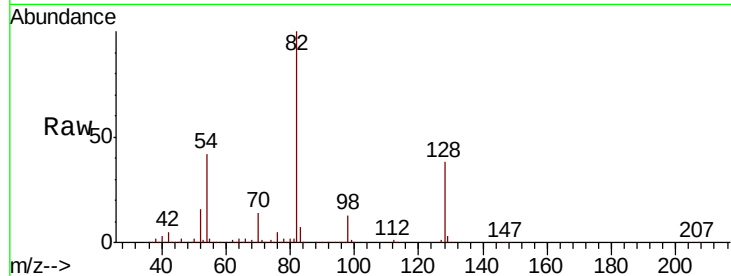




#23
Nitrobenzene-d5
Concen: 102.937 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

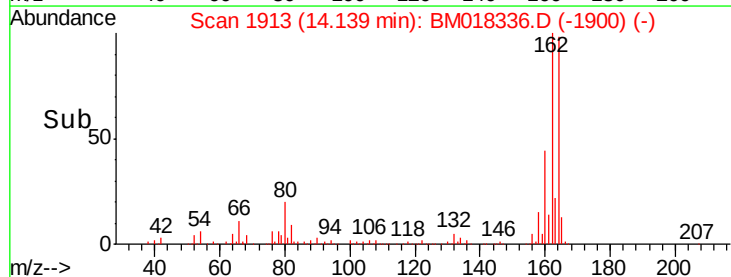
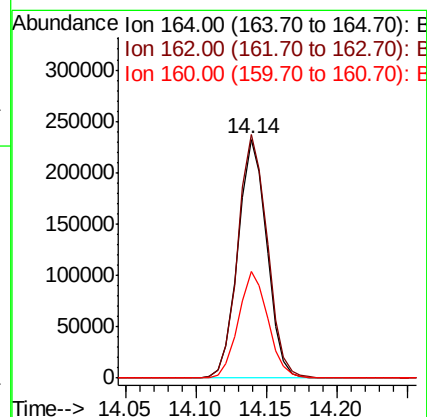
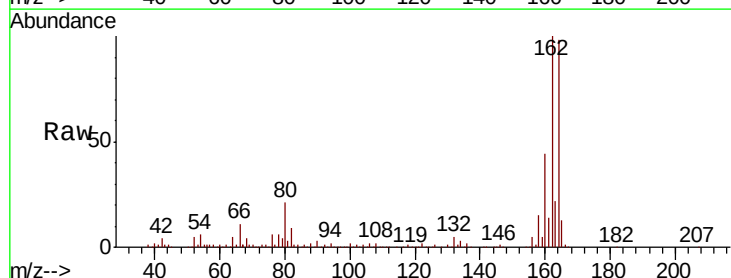
Instrument :
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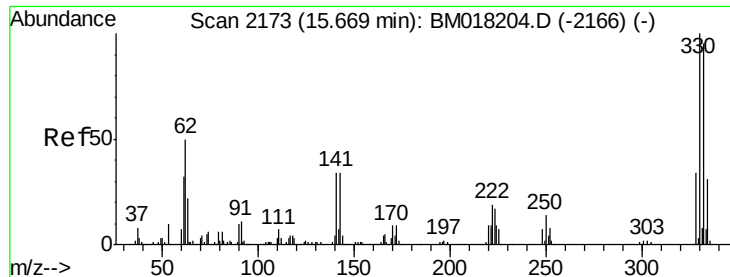
Tgt Ion: 82 Resp: 1179285
Ion Ratio Lower Upper
82 100
128 37.6 33.4 50.2
54 42.4 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.02 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

Tgt Ion: 164 Resp: 332189
Ion Ratio Lower Upper
164 100
162 102.1 81.8 122.6
160 44.5 34.6 51.8

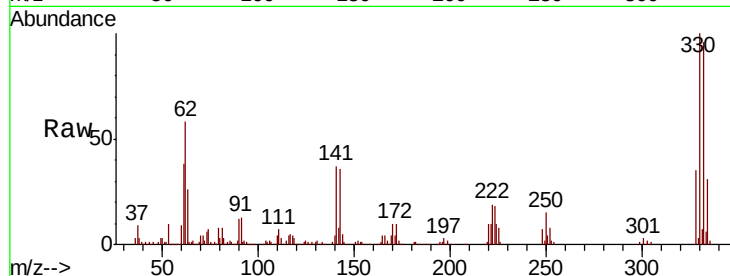




#42
 2,4,6-Tribromophenol
 Concen: 95.712 ng
 RT: 15.65 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BM018336.D
 Acq: 20 Dec 2018 18:45

Instrument :
 BNA_M
 ClientSampleId :
 SB-09A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.6	118.0
141	37.3	27.1	40.7

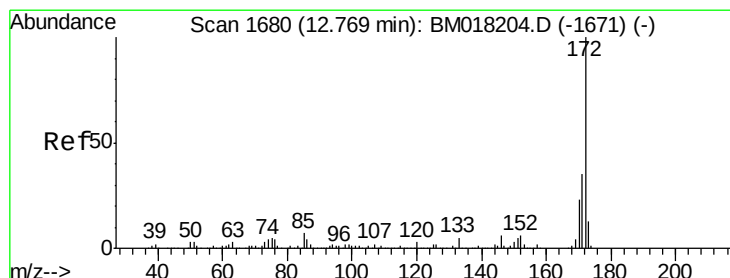
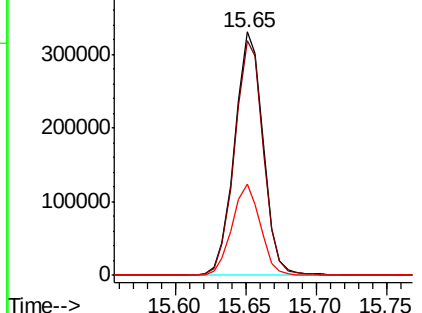
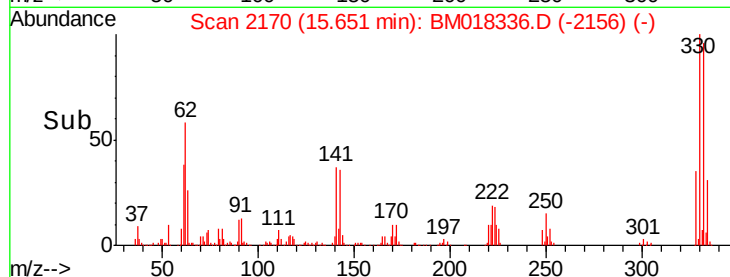


Abundance

Ion 329.80 (329.50 to 330.50): E

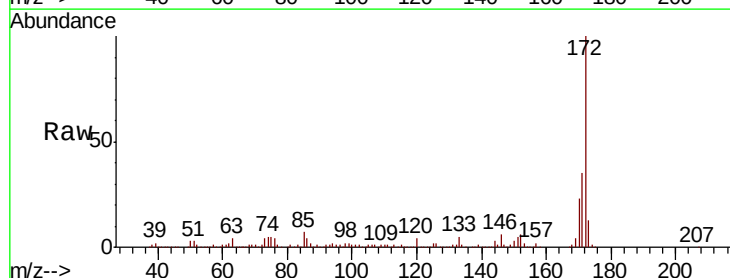
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 84.489 ng
 RT: 12.74 min Scan# 1676
 Delta R.T. -0.02 min
 Lab File: BM018336.D
 Acq: 20 Dec 2018 18:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.0	18.1	27.1

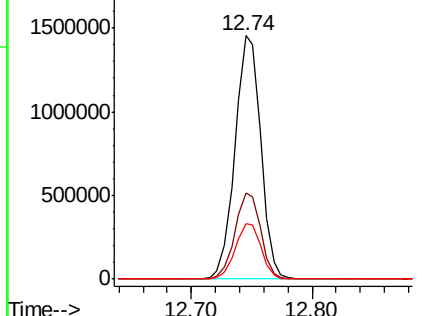
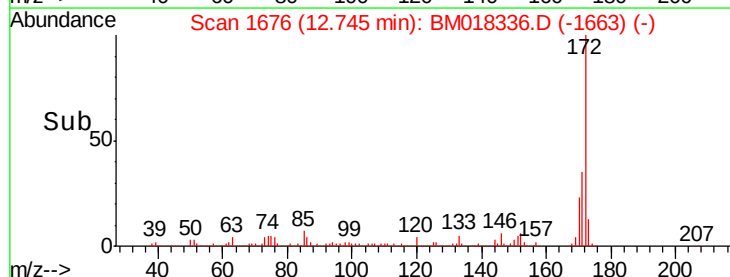


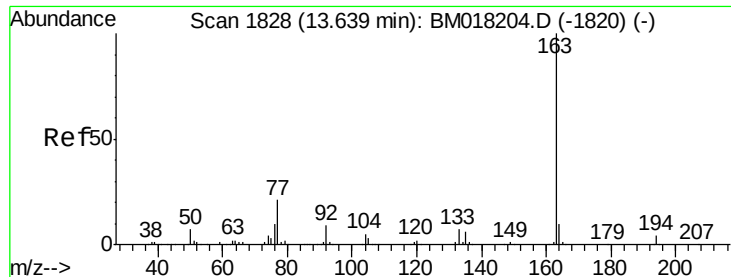
Abundance

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: 6.244 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Instrument :

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ClientSampleId :

SB-09A

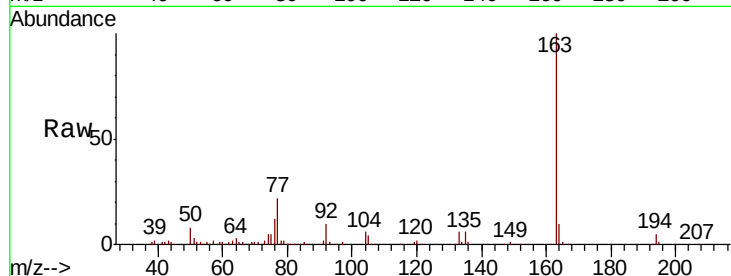
Tgt Ion:163 Resp: 172449

Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

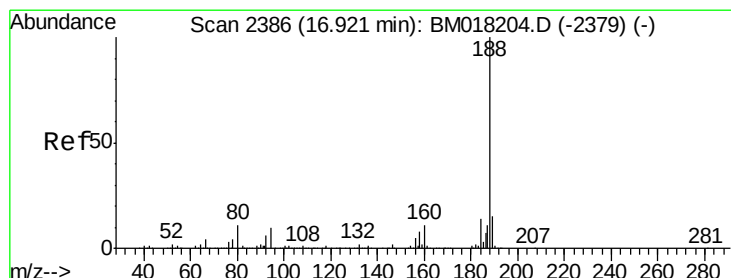
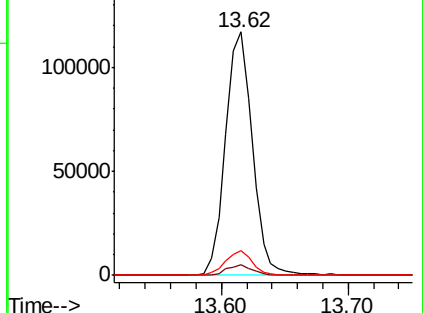
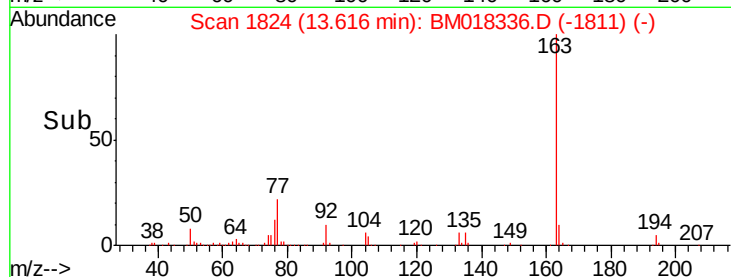
164 10.0 7.9 11.9



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: 16.90 min Scan# 2383

Delta R.T. -0.02 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

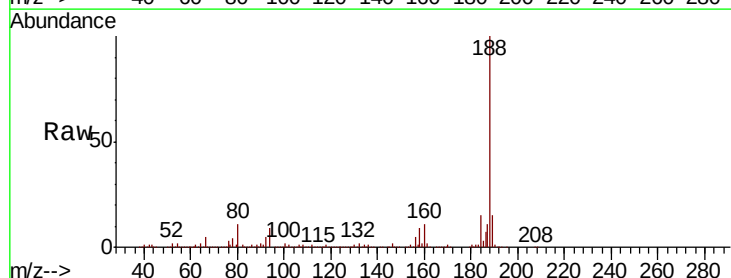
Tgt Ion:188 Resp: 690564

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

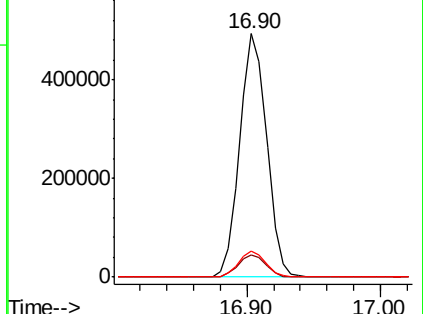
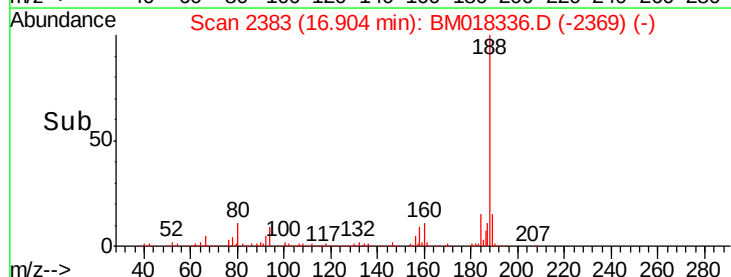
80 10.8 9.0 13.6

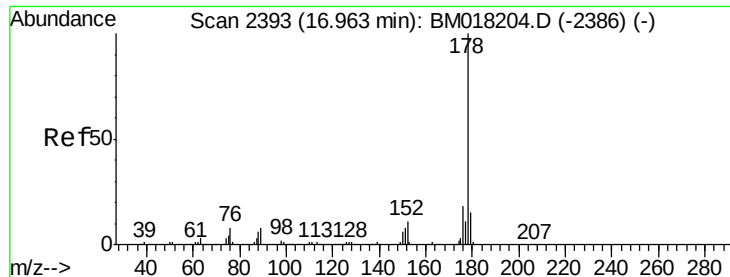


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

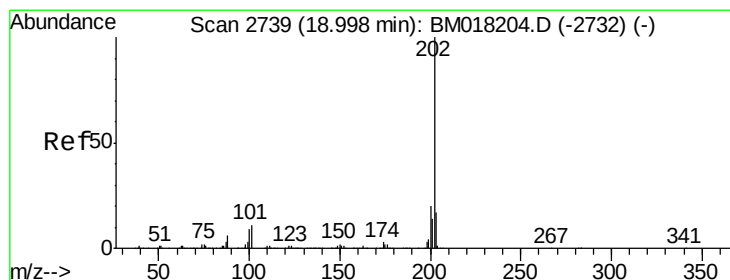
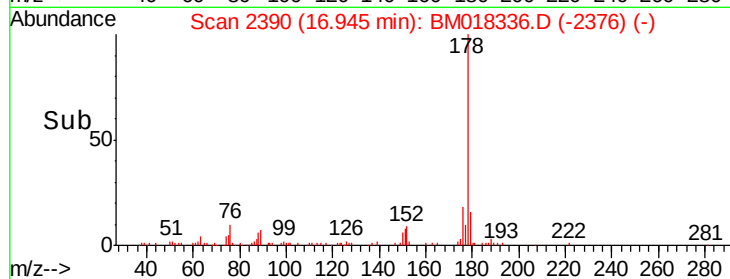
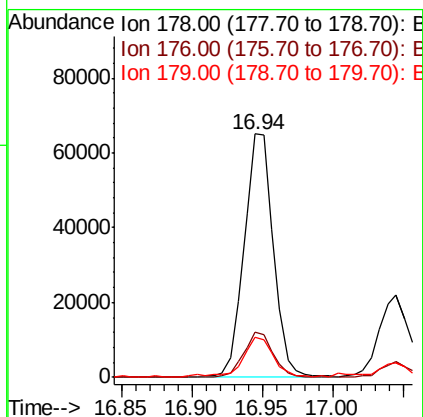
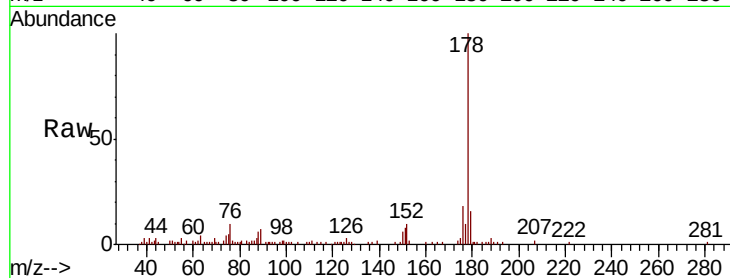




#71
Phenanthrene
Concen: 2.522 ng
RT: 16.94 min Scan# 2390
Delta R.T. -0.02 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

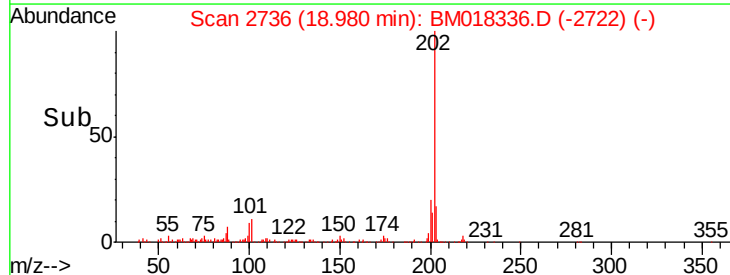
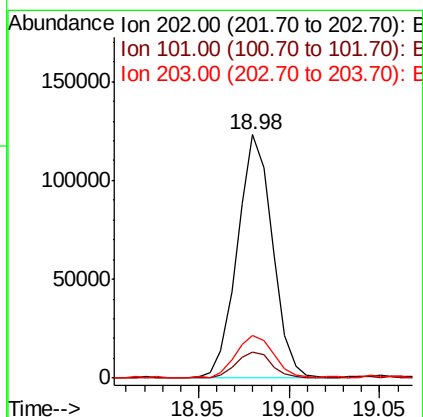
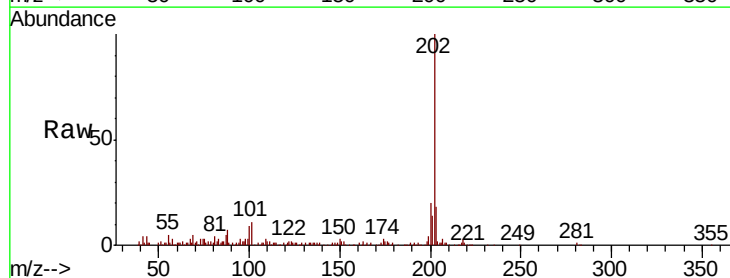
Instrument :
BNA_M
ClientSampleId :
SB-09A

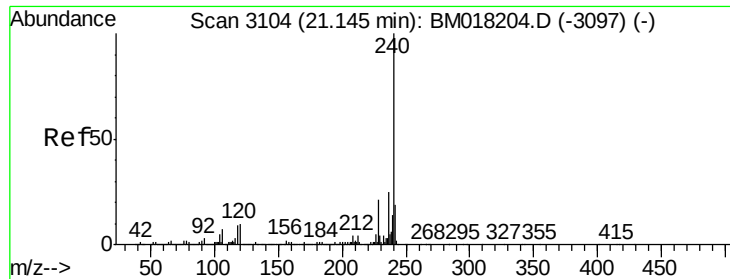
Tgt Ion:178 Resp: 94589
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 16.4 12.0 18.0



#75
Fluoranthene
Concen: 3.808 ng
RT: 18.98 min Scan# 2736
Delta R.T. -0.02 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

Tgt Ion:202 Resp: 166062
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.5
203 17.6 0.0 37.5

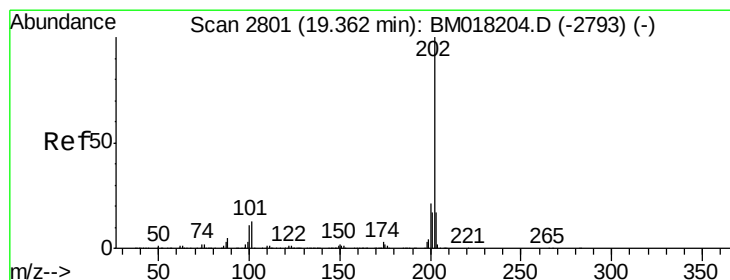
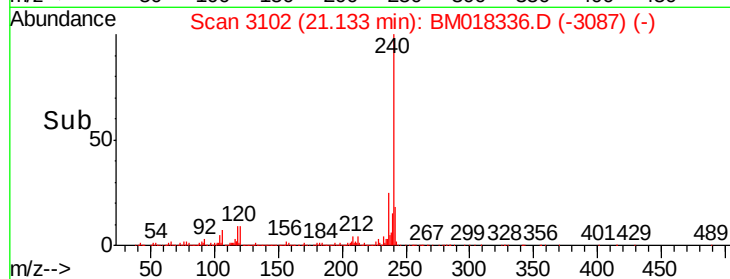
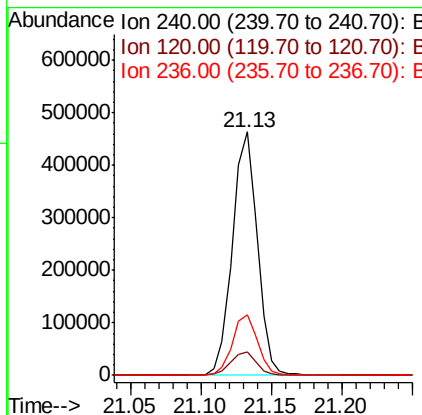
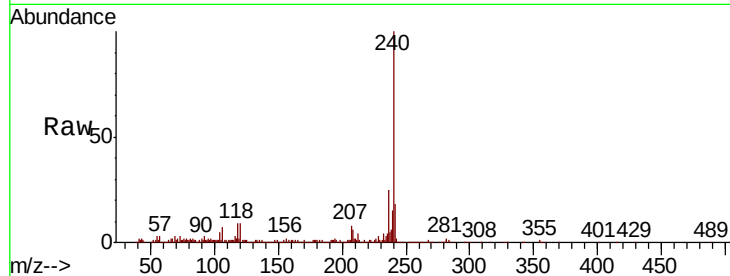




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.13 min Scan# 3102
 Delta R.T. -0.01 min
 Lab File: BM018336.D
 Acq: 20 Dec 2018 18:45

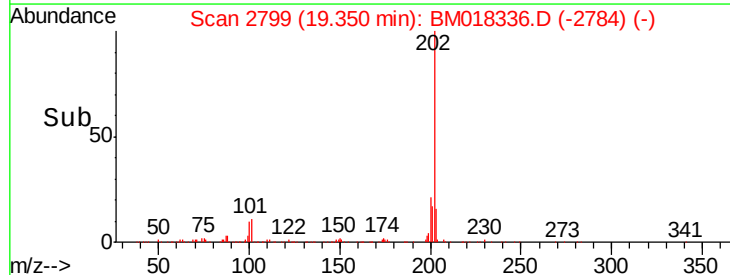
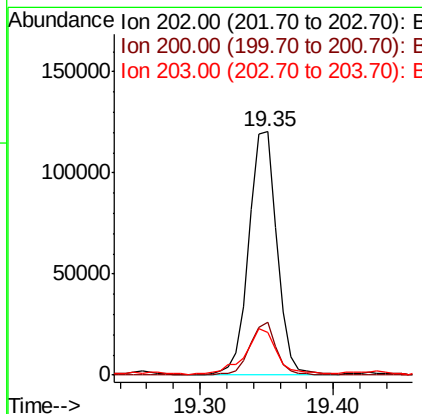
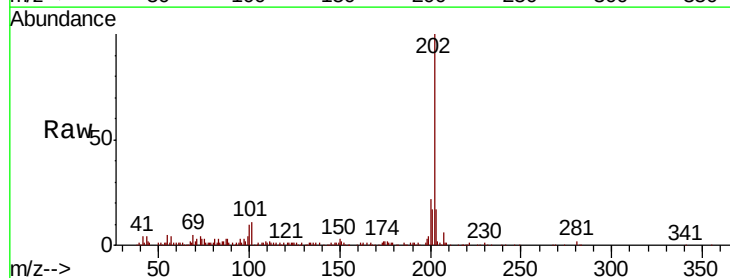
Instrument :
 BNA_M
 ClientSampleId :
 SB-09A

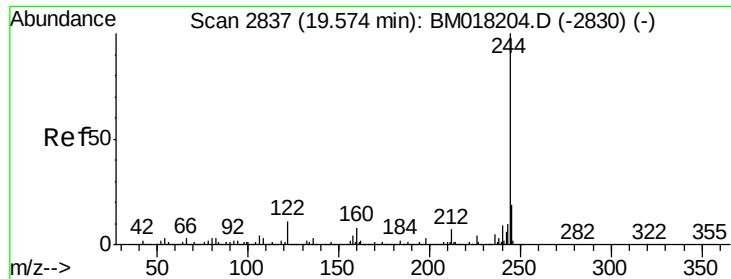
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	24.8	20.3	30.5



#78
 Pyrene
 Concen: 5.118 ng
 RT: 19.35 min Scan# 2799
 Delta R.T. -0.01 min
 Lab File: BM018336.D
 Acq: 20 Dec 2018 18:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	17.4	14.0	21.0





#79

Terphenyl-d14

Concen: 94.698 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Instrument :

BNA_M

ClientSampleId :

SB-09A

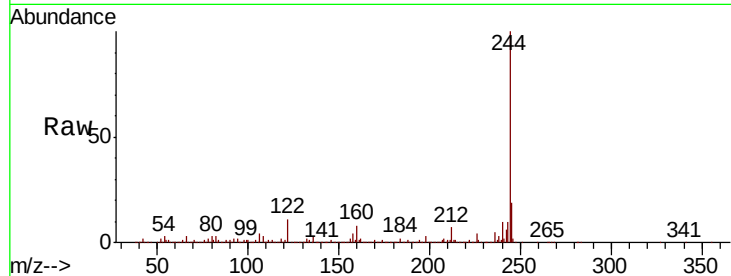
Tgt Ion:244 Resp: 2396861

Ion Ratio Lower Upper

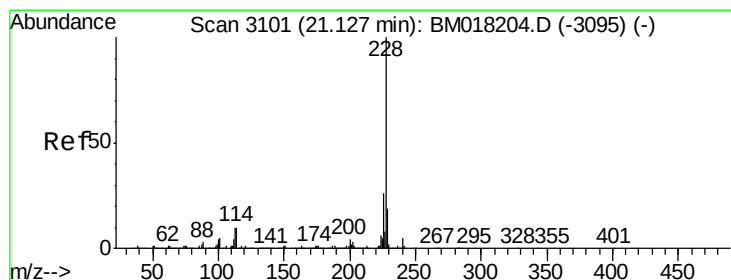
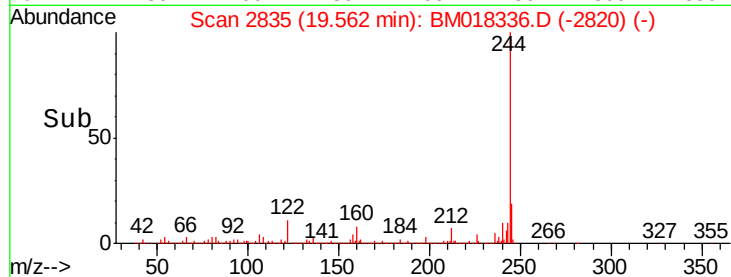
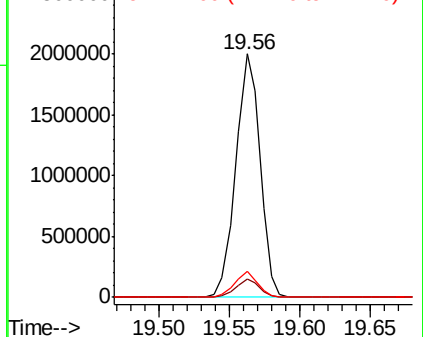
244 100

212 7.4 5.8 8.8

122 10.8 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: 3.429 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

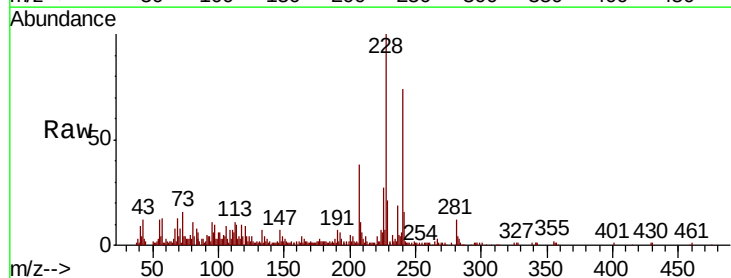
Tgt Ion:228 Resp: 114675

Ion Ratio Lower Upper

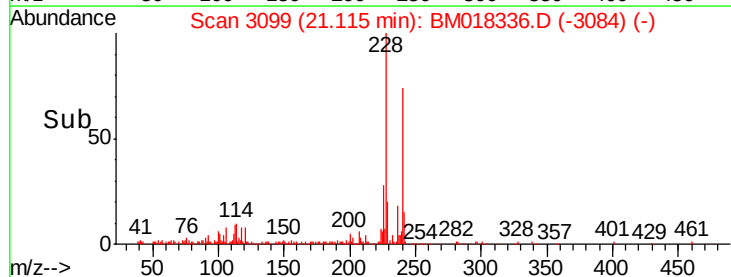
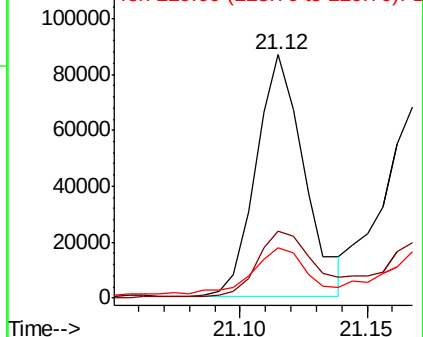
228 100

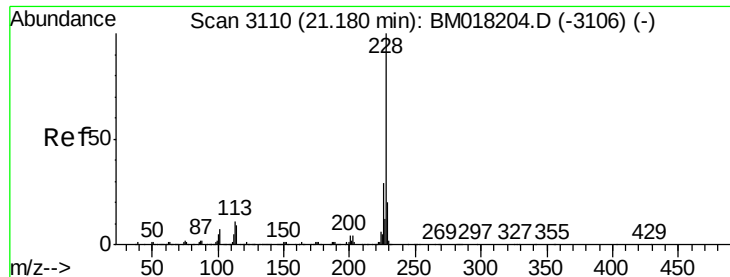
226 27.4 21.0 31.4

229 20.9 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

Chrysene

Concen: 3.566 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.06 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Instrument :

BNA_M

ClientSampleId :

SB-09A

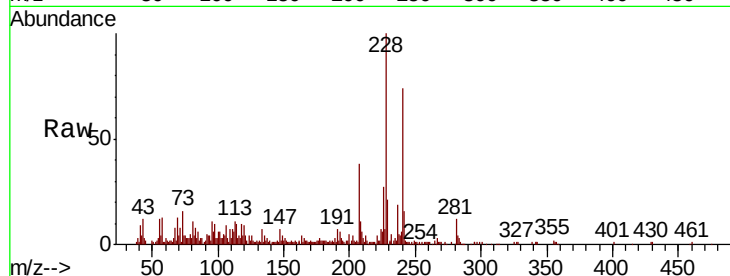
Tgt Ion:228 Resp: 114680

Ion Ratio Lower Upper

228 100

226 27.4 23.1 34.7

229 20.9 15.8 23.6

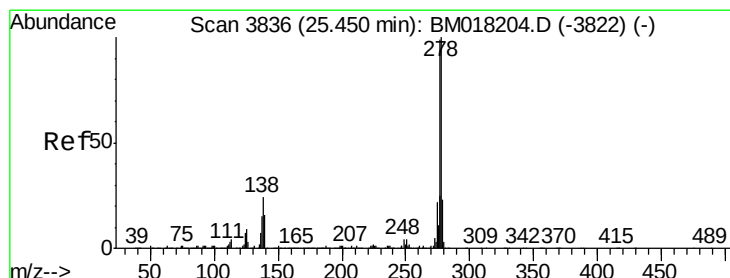
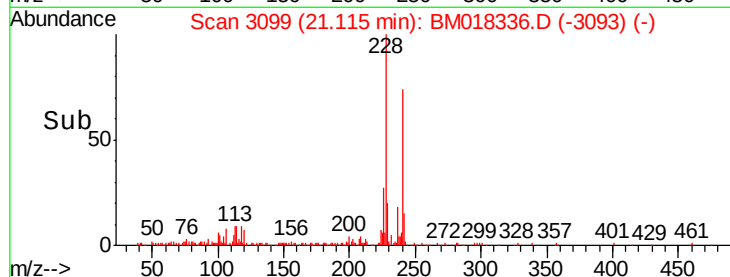
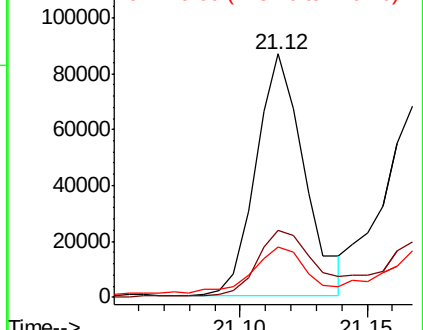


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.472 ng

RT: 25.42 min Scan# 3831

Delta R.T. -0.03 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

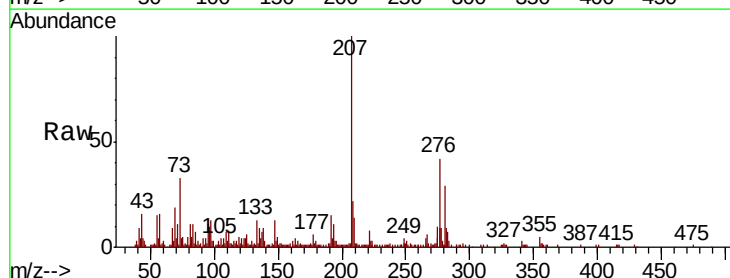
Tgt Ion:276 Resp: 79194

Ion Ratio Lower Upper

276 100

138 19.9 18.6 28.0

277 24.2 20.3 30.5

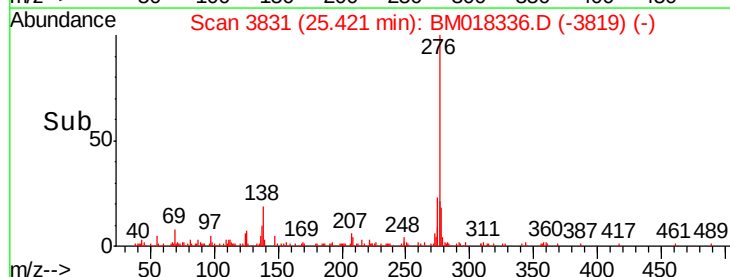
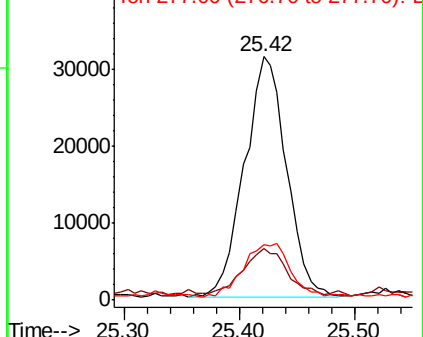


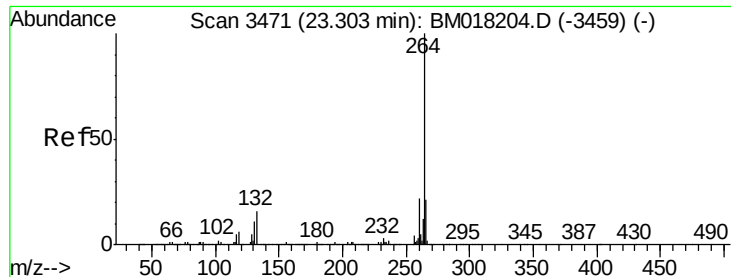
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



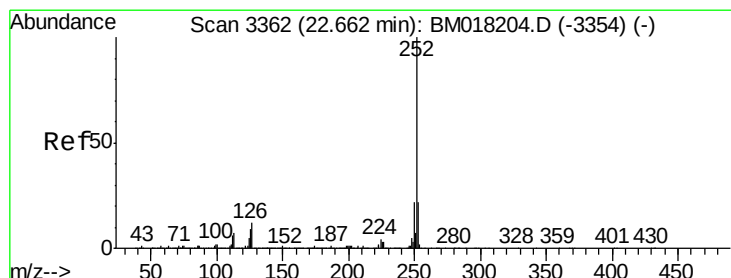
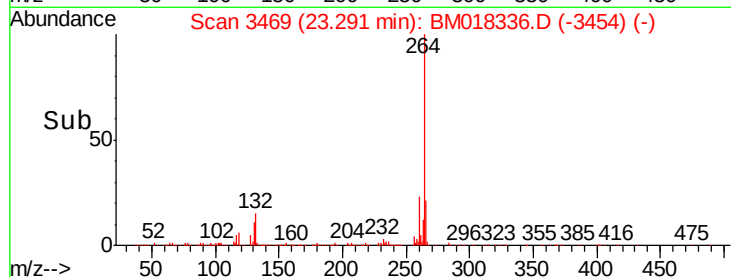
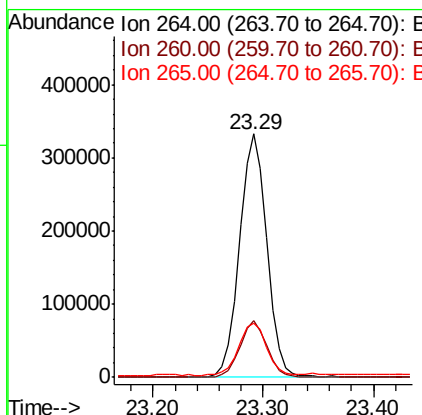
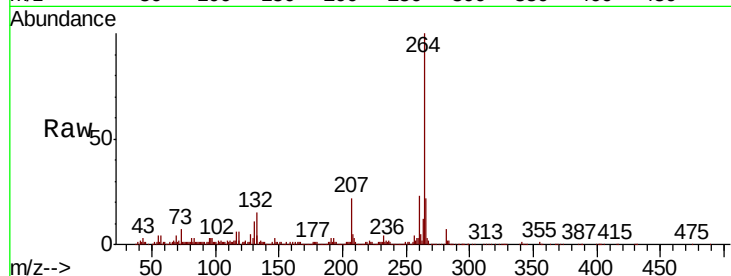


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

Instrument :
BNA_M
ClientSampleId :
SB-09A

Tgt Ion: 264 Resp: 578768

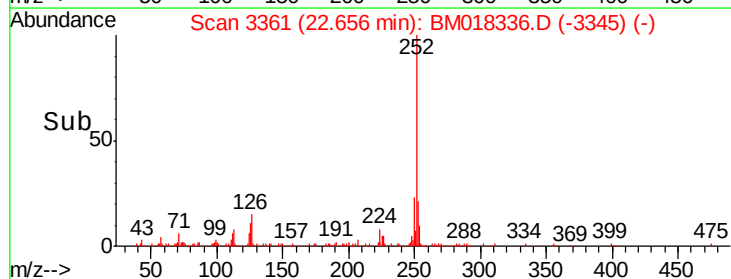
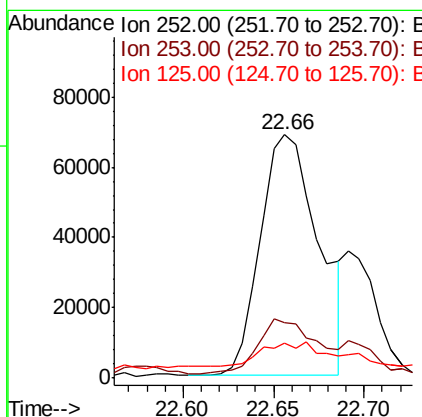
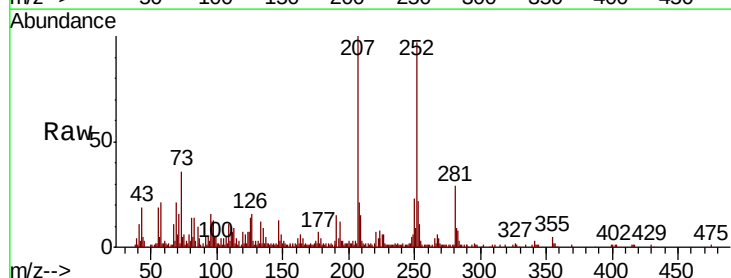
Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.5	26.3
265	22.2	17.3	25.9

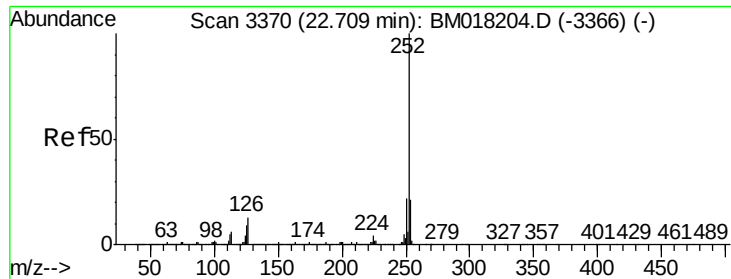


#88
Benzo(b)fluoranthene
Concen: 4.727 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM018336.D
Acq: 20 Dec 2018 18:45

Tgt Ion: 252 Resp: 153684

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	14.2	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 4.744 ng

RT: 22.66 min Scan# 3361

Delta R.T. -0.05 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

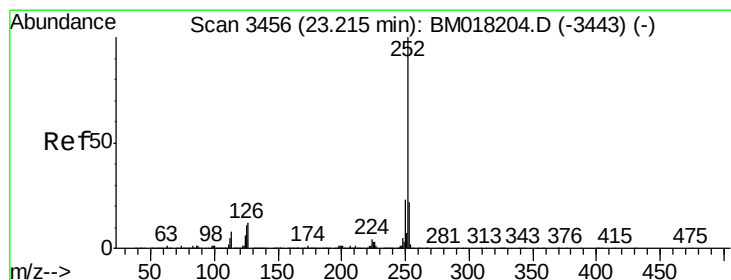
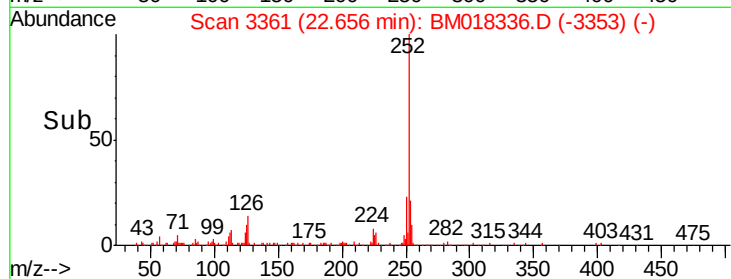
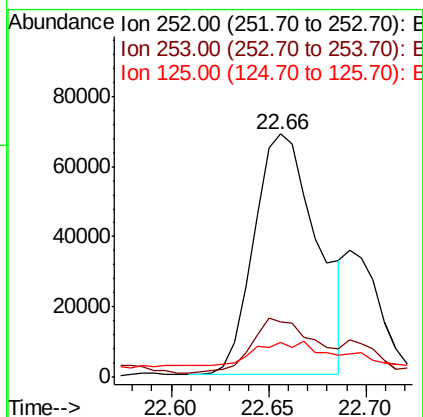
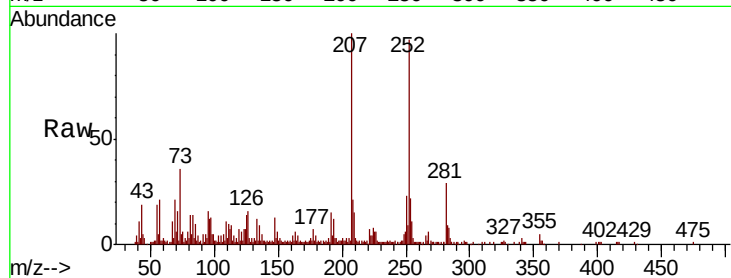
Instrument :

BNA_M

ClientSampleId :

SB-09A

Tgt Ion:	252	Resp:	153588
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.9	25.3
125	14.2	7.5	11.3#



#90

Benzo(a)pyrene

Concen: 3.100 ng

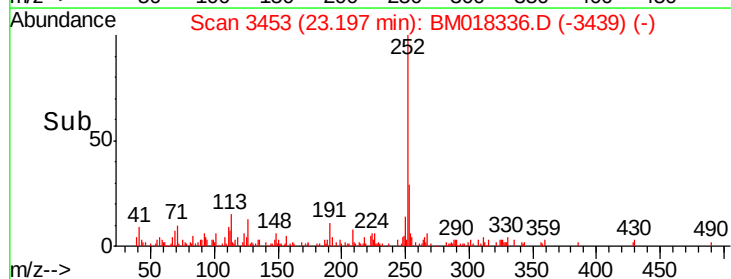
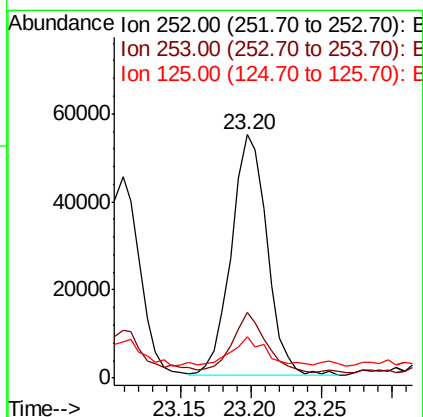
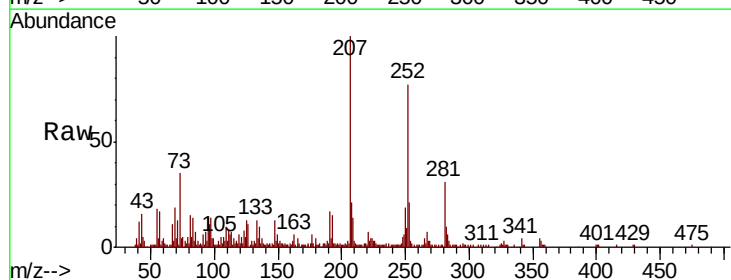
RT: 23.20 min Scan# 3453

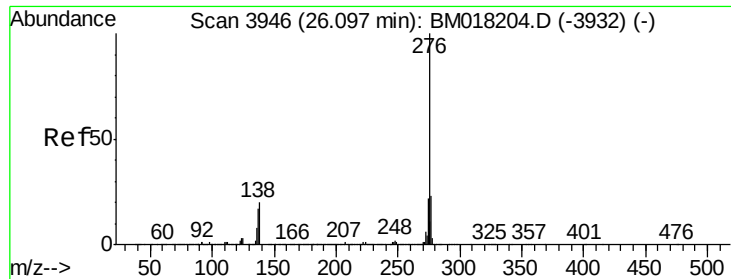
Delta R.T. -0.02 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Tgt Ion:	252	Resp:	95843
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.6	26.4#
125	16.7	8.6	12.8#





#92

Benzo(g,h,i)perylene

Concen: 2.735 ng

RT: 26.07 min Scan# 3942

Delta R.T. -0.02 min

Lab File: BM018336.D

Acq: 20 Dec 2018 18:45

Instrument :

BNA_M

ClientSampleId :

SB-09A

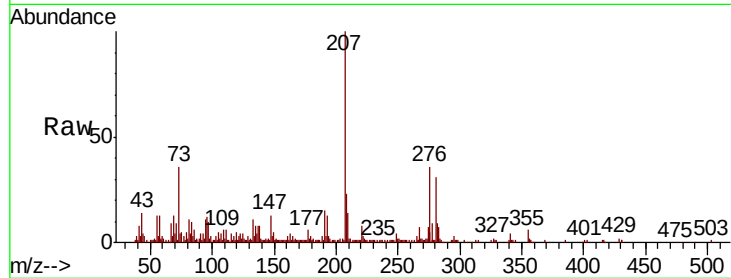
Tgt Ion: 276 Resp: 74052

Ion Ratio Lower Upper

276 100

277 25.4 18.7 28.1

138 21.3 15.8 23.8



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

