

Data File : BM018525.D
Acq On : 11 Jan 2019 01:05
Operator : JU/SJ
Sample : K1099-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-18

Quant Time: Jan 11 03:31:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 10 05:57:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	590459	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	2489170	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	1435113	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3139592	20.00	ng	0.00
76) Chrysene-d12	21.35	240	2649463	20.00	ng	0.00
87) Perylene-d12	23.63	264	2279567	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	4363208	136.45	ng	0.00
7) Phenol-d6	6.94	99	6137403	151.11	ng	0.00
23) Nitrobenzene-d5	8.93	82	3775115	87.92	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	2453013	134.24	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	8364077	76.05	ng	0.00
79) Terphenyl-d14	19.79	244	11083340	88.18	ng	0.00

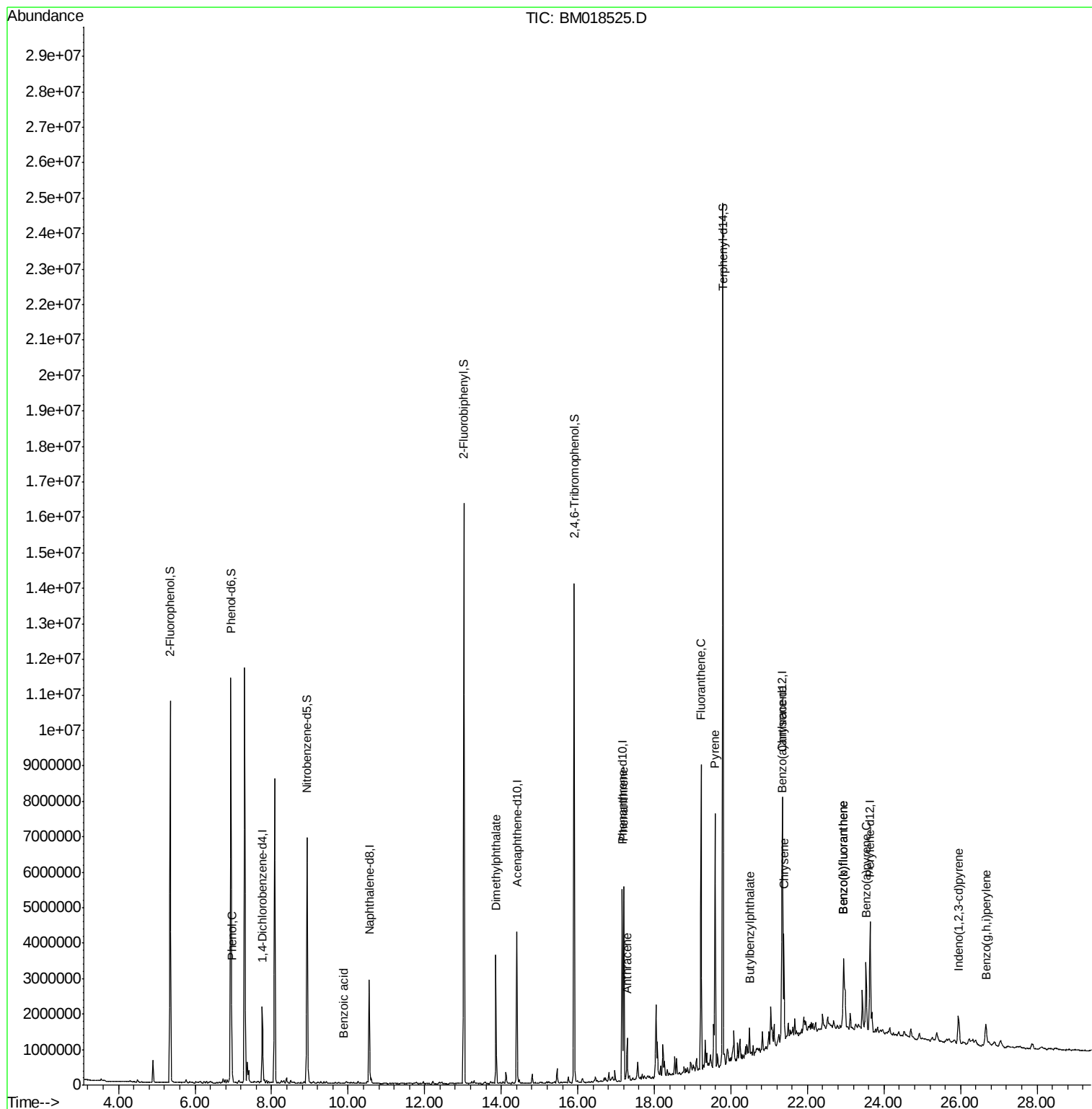
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.96	94	103530	2.509	ng	86
32) Benzoic acid	9.87	122	238	6.512	ng	# 1
50) Dimethylphthalate	13.86	163	2344806	19.895	ng	99
71) Phenanthrene	17.20	178	3235583	19.375	ng	99
72) Anthracene	17.29	178	746720	4.650	ng	100
75) Fluoranthene	19.22	202	4997742	25.958	ng	98
78) Pyrene	19.59	202	4260112	27.126	ng	99
80) Butylbenzylphthalate	20.49	149	242714	3.622	ng	97
81) Benzo(a)anthracene	21.33	228	1861604	11.927	ng	98
83) Chrysene	21.39	228	1566476	10.393	ng	97
86) Indeno(1,2,3-cd)pyrene	25.94	276	784356	4.513	ng	# 93
88) Benzo(b)fluoranthene	22.94	252	2346289	18.130	ng	98
89) Benzo(k)fluoranthene	22.94	252	2354735	18.055	ng	97
90) Benzo(a)pyrene	23.53	252	1289151	10.405	ng	97
92) Benzo(g,h,i)perylene	26.66	276	768637	6.292	ng	96

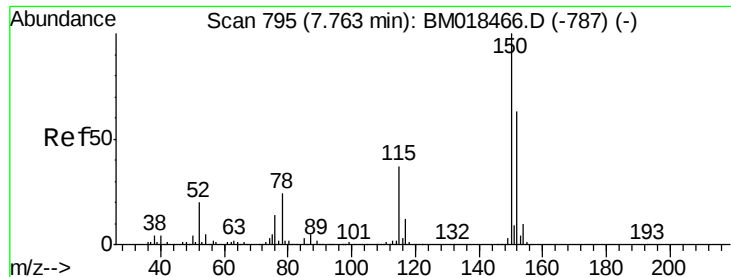
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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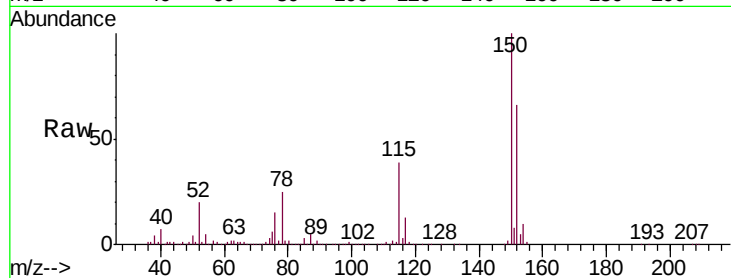


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampleId :
TP-18

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.9	190.3
115	58.6	45.5	68.3

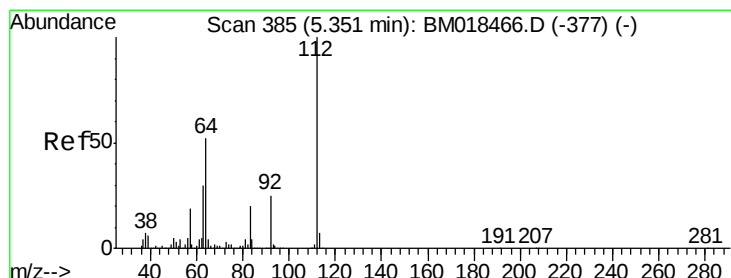
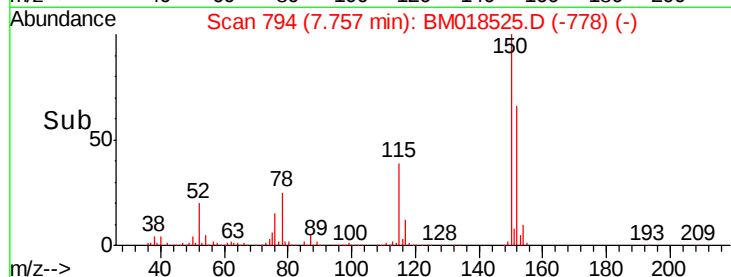
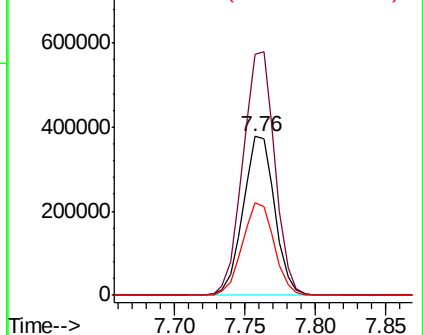


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

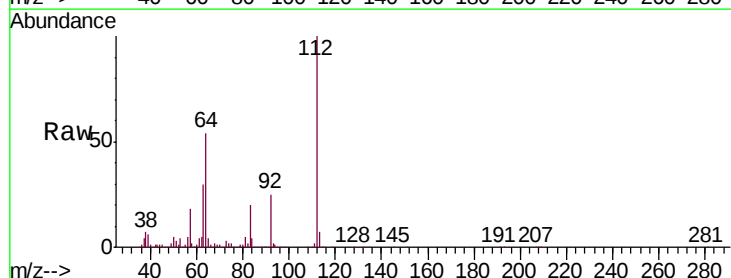
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 136.447 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	46.5	69.7
63	29.7	25.2	37.8

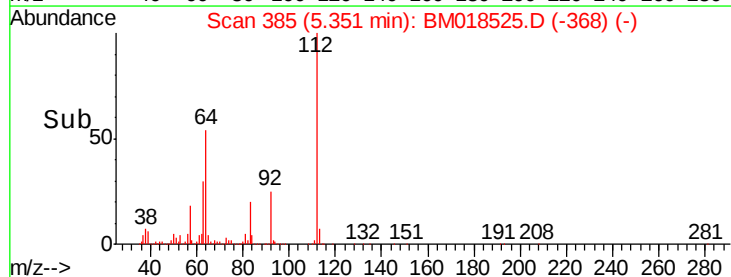
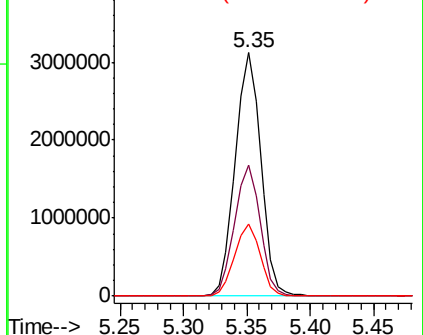


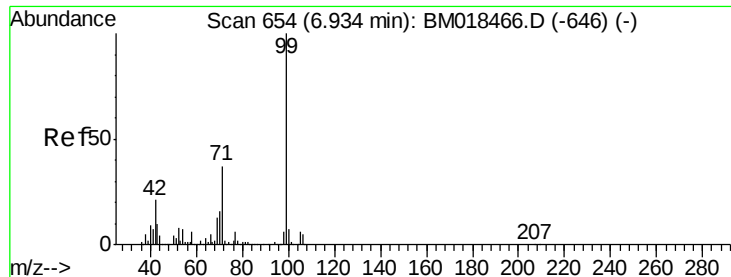
Abundance

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: 151.112 ng

RT: 6.94 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampleId :

TP-18

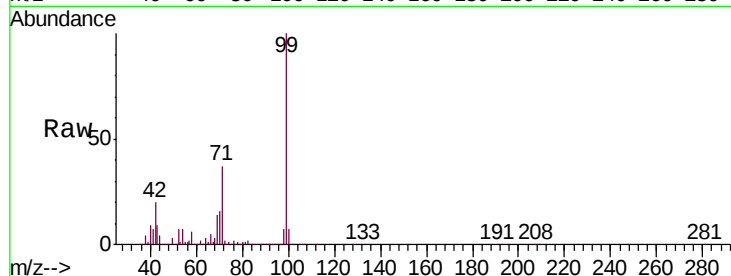
Tgt Ion: 99 Resp: 6137403

Ion Ratio Lower Upper

99 100

42 20.1 17.3 25.9

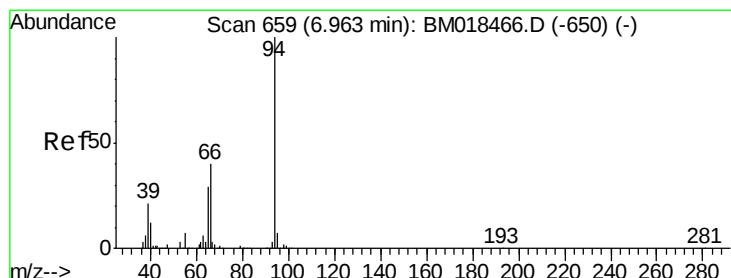
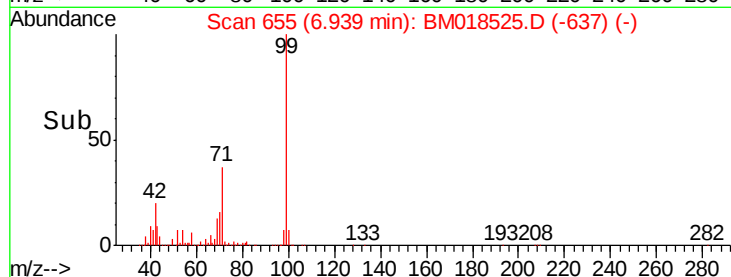
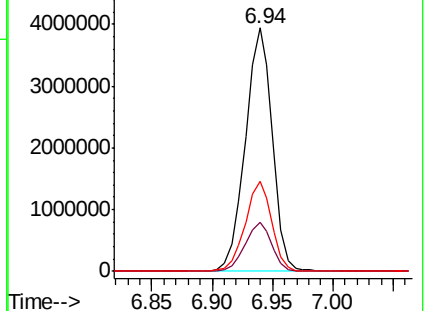
71 36.9 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#10

Phenol

Concen: 2.509 ng

RT: 6.96 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

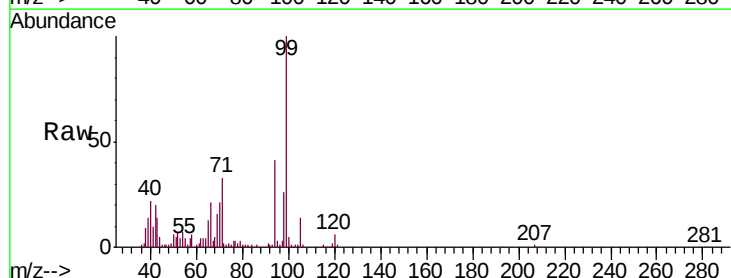
Tgt Ion: 94 Resp: 103530

Ion Ratio Lower Upper

94 100

65 32.9 9.4 49.4

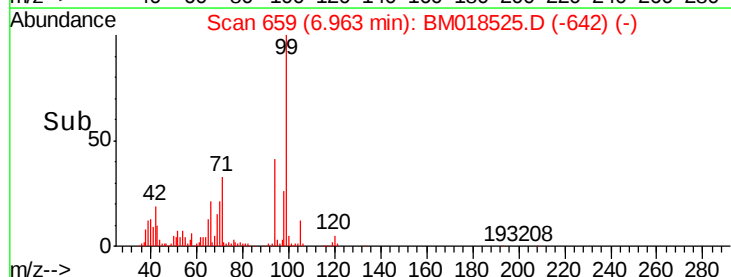
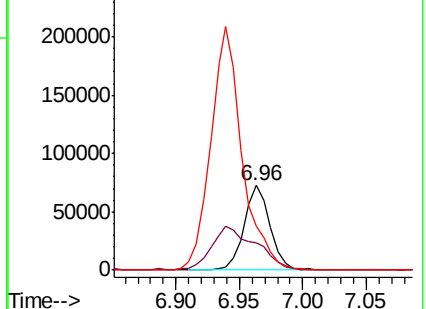
66 51.5 19.1 59.1

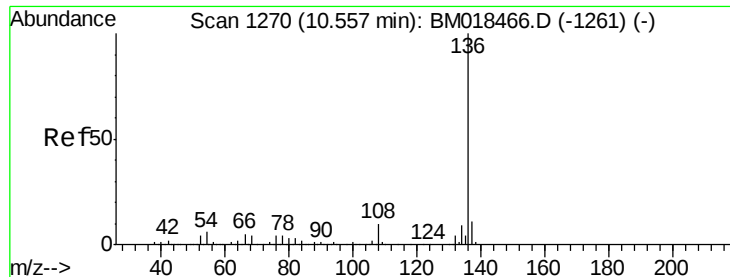


Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampled :

TP-18

Tgt Ion:136 Resp: 2489170

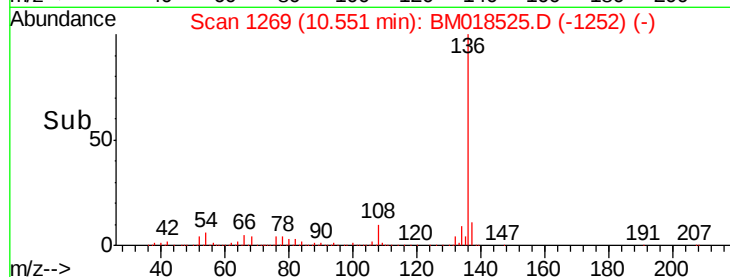
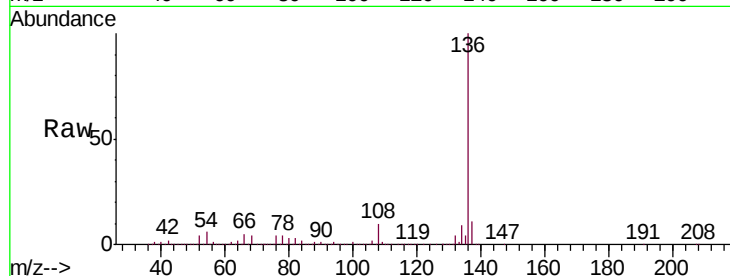
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.3 6.0 9.0

68 4.4 4.5 6.7#

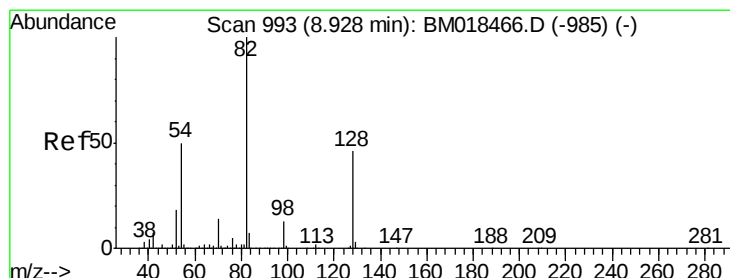
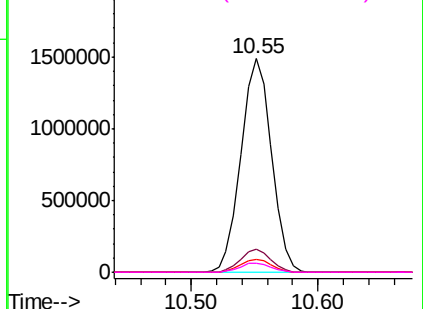


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.920 ng

RT: 8.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

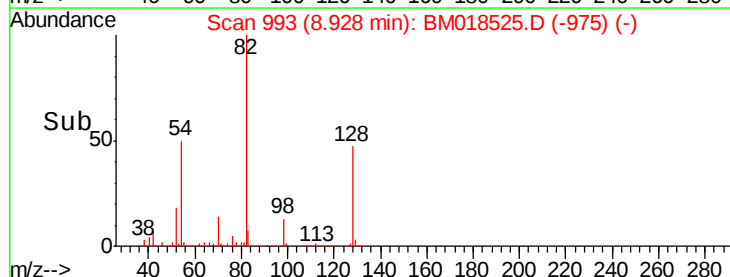
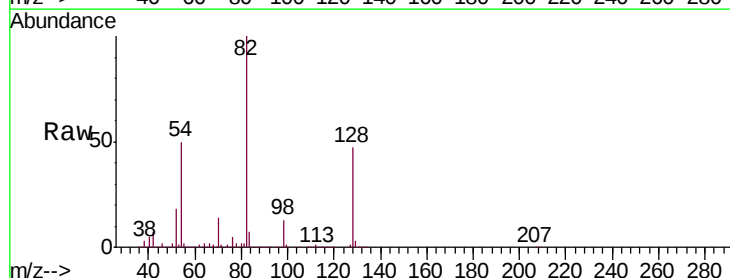
Tgt Ion: 82 Resp: 3775115

Ion Ratio Lower Upper

82 100

128 47.3 36.3 54.5

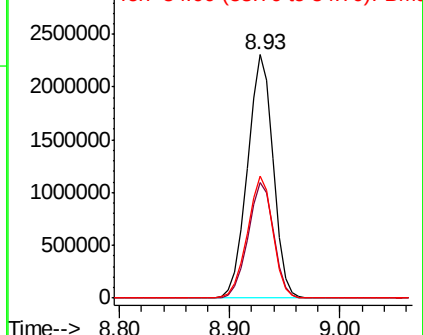
54 50.1 41.7 62.5

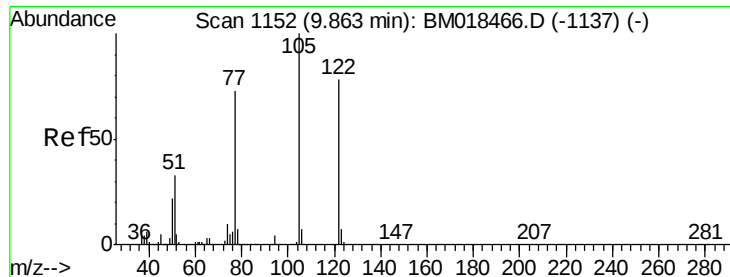


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#32

Benzoic acid

Concen: 6.512 ng

RT: 9.87 min Scan# 1153

Delta R.T. -0.04 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

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TP-18

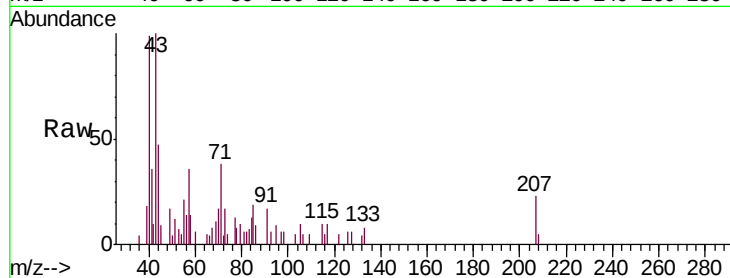
Tgt Ion:122 Resp: 238

Ion Ratio Lower Upper

122 100

105 222.9 100.4 140.4#

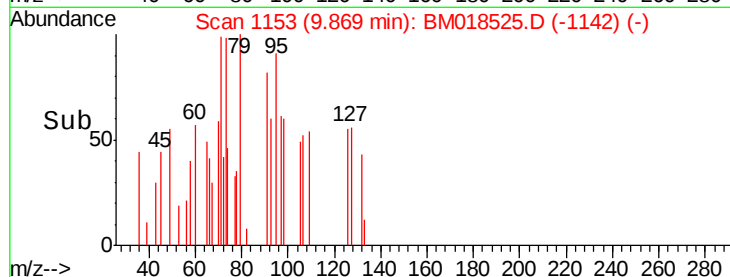
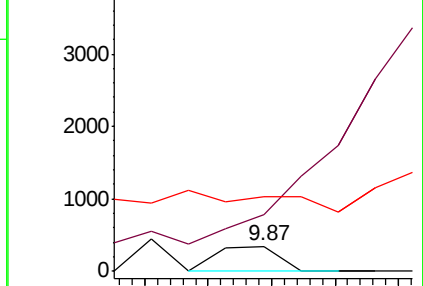
77 296.6 71.7 111.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.40 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

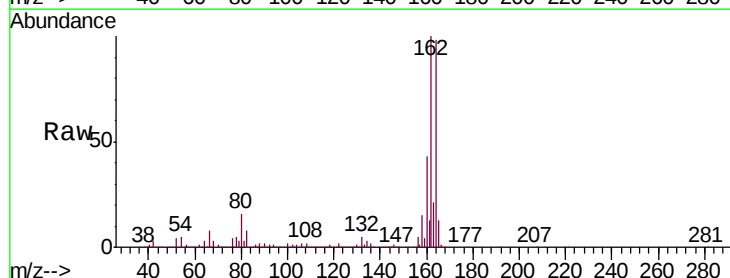
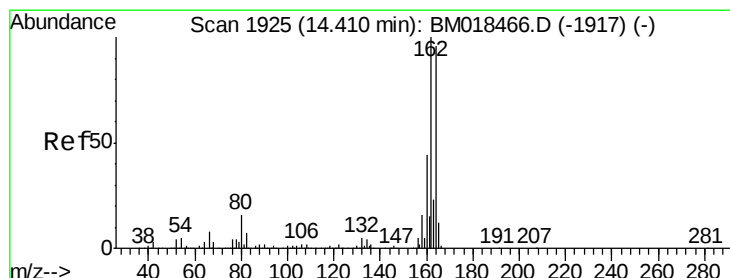
Tgt Ion:164 Resp: 1435113

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.4

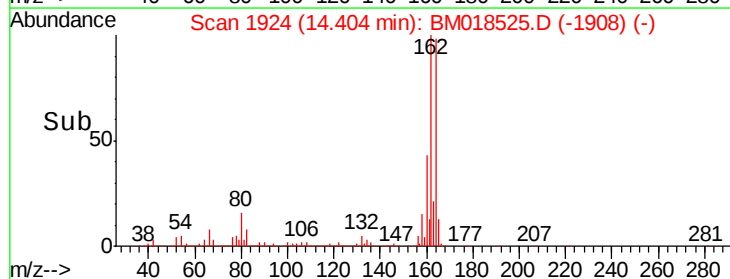
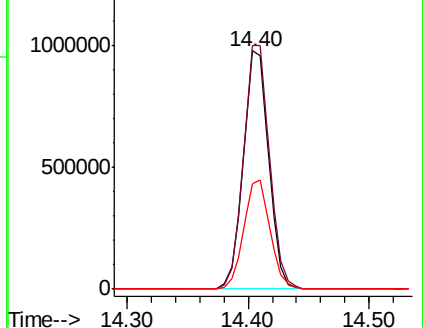
160 44.2 37.1 55.7

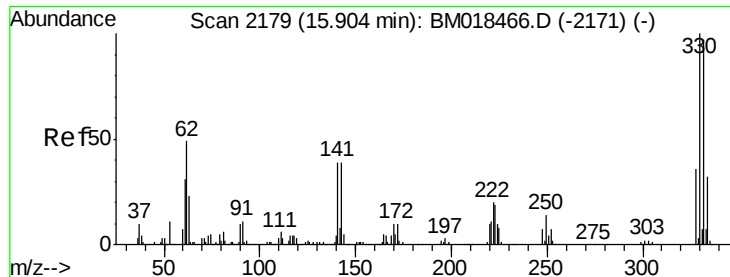


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

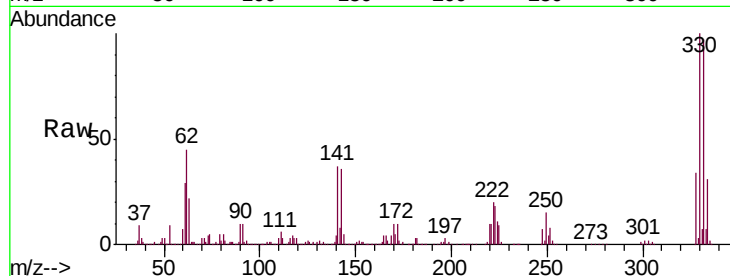




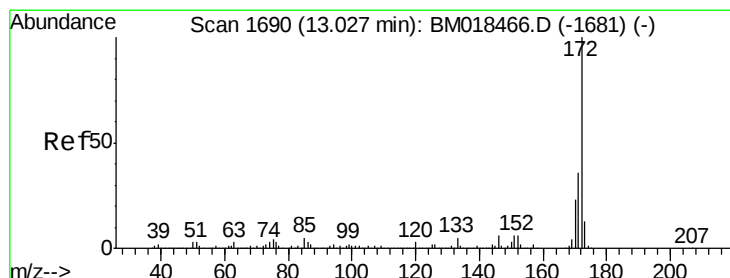
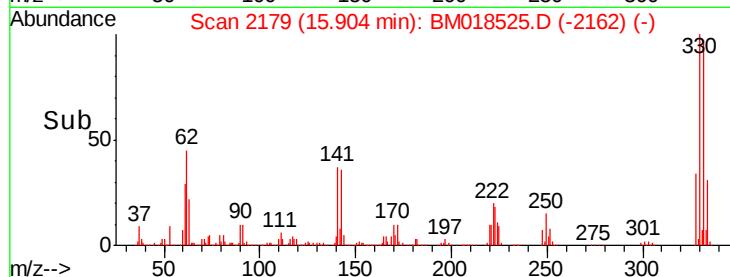
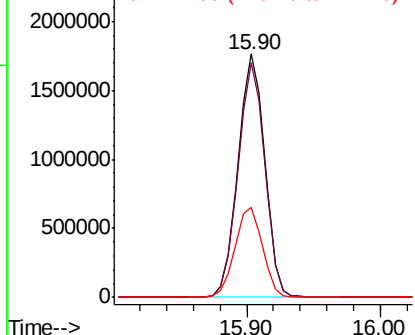
#42
 2,4,6-Tribromophenol
 Concen: 134.242 ng
 RT: 15.90 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: BM018525.D
 Acq: 11 Jan 2019 01:05

Instrument :
 BNA_M
 ClientSampleId :
 TP-18

Tgt Ion:330 Resp: 2453013
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.6 116.4
 141 38.3 31.7 47.5

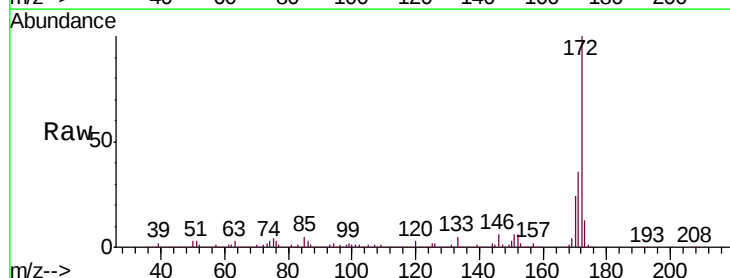


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

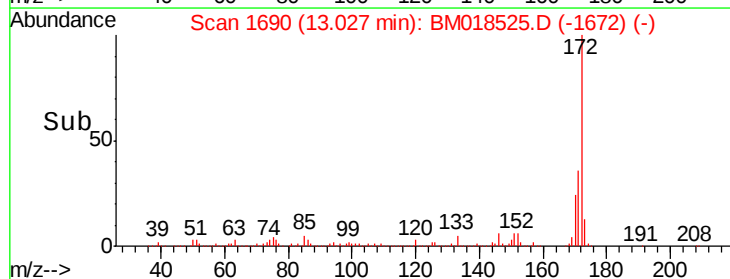
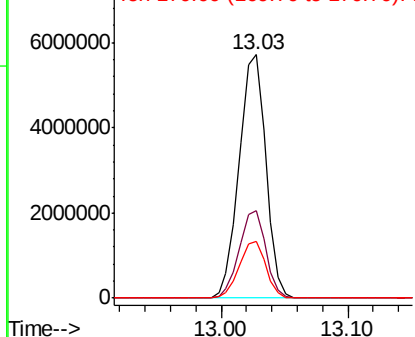


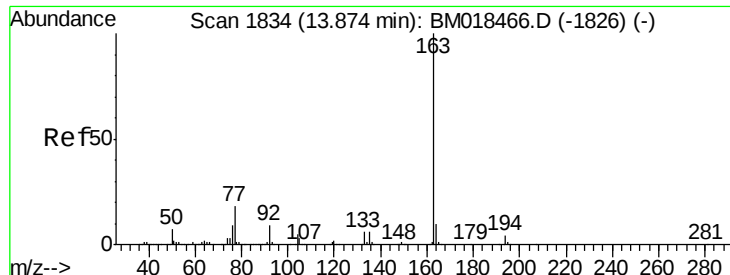
#45
 2-Fluorobiphenyl
 Concen: 76.050 ng
 RT: 13.03 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BM018525.D
 Acq: 11 Jan 2019 01:05

Tgt Ion:172 Resp: 8364077
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.2 42.4
 170 23.6 18.9 28.3



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: 19.895 ng

RT: 13.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampleId :

TP-18

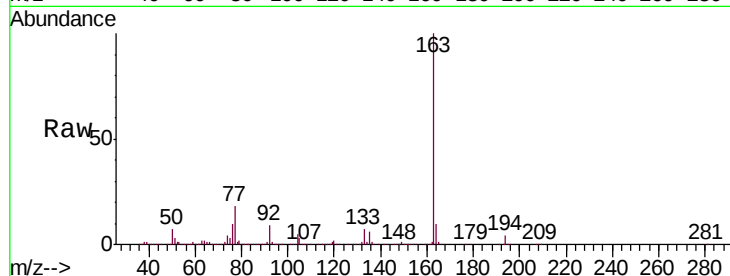
Tgt Ion:163 Resp: 2344806

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

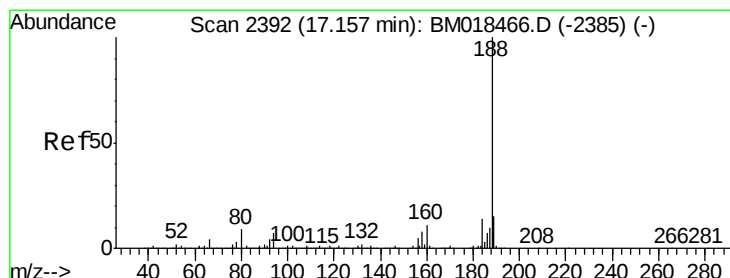
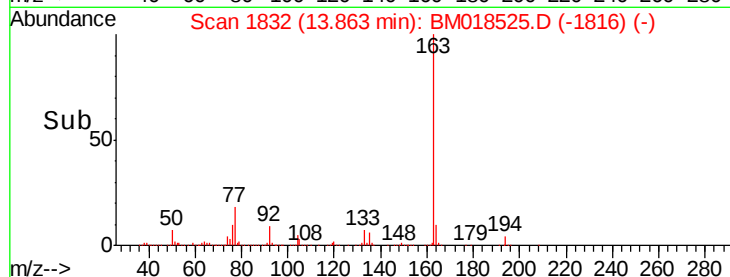
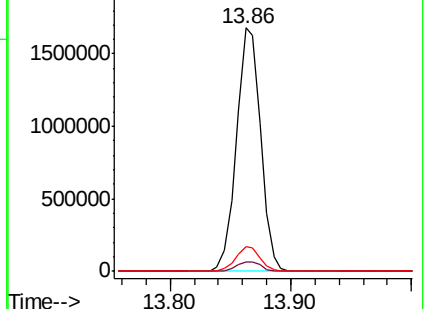
164 10.4 7.8 11.8



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: 17.16 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

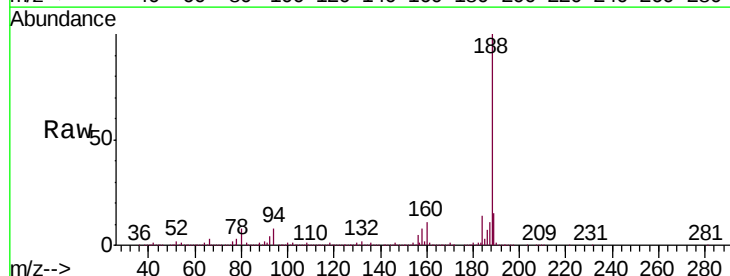
Tgt Ion:188 Resp: 3139592

Ion Ratio Lower Upper

188 100

94 7.7 7.1 10.7

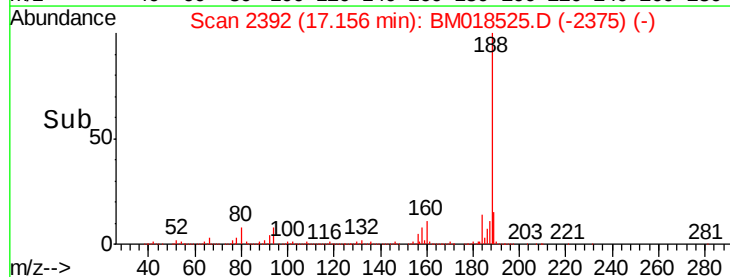
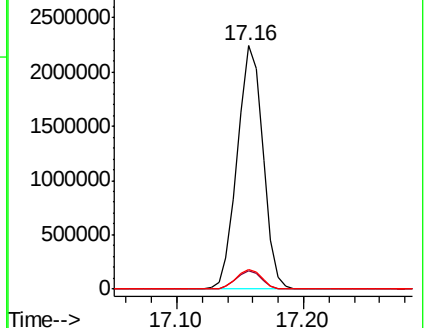
80 8.2 7.6 11.4

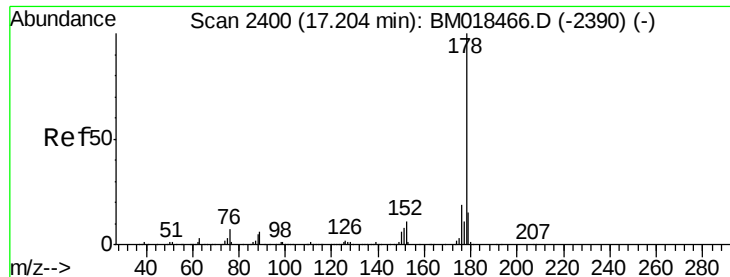


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

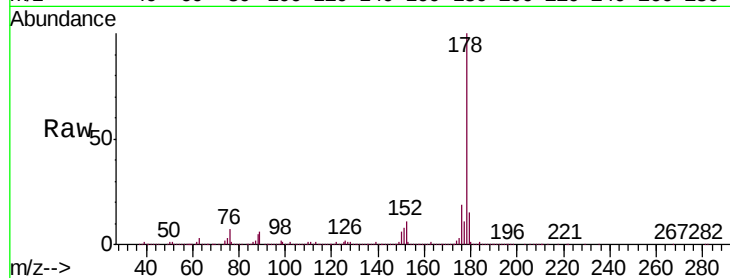




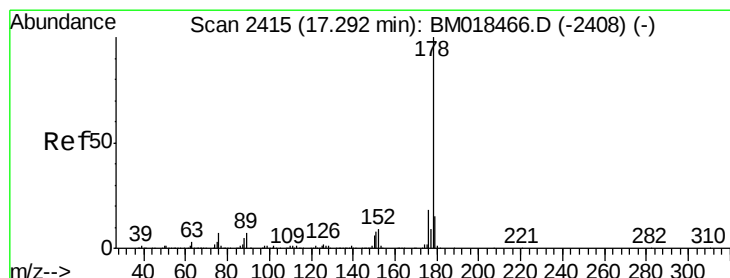
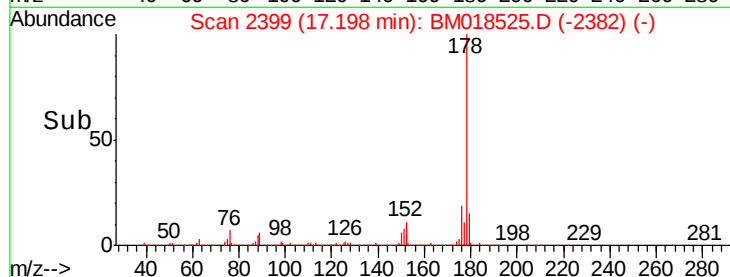
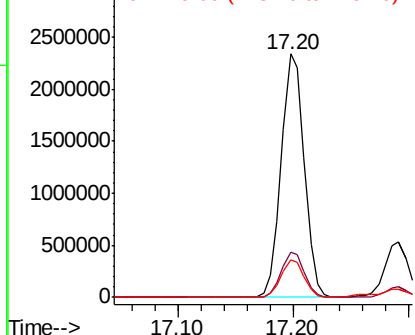
#71
Phenanthrene
Concen: 19.375 ng
RT: 17.20 min Scan# 2399
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampleId :
TP-18

Tgt Ion:178 Resp: 3235583
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.3 12.2 18.4

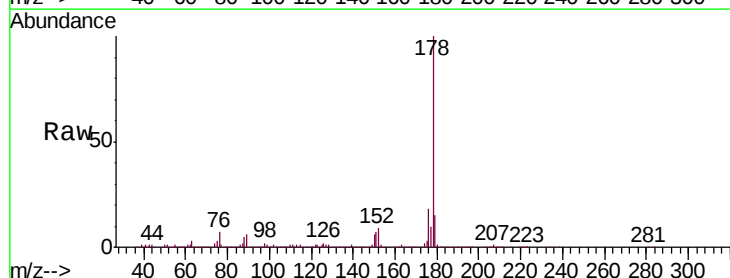


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

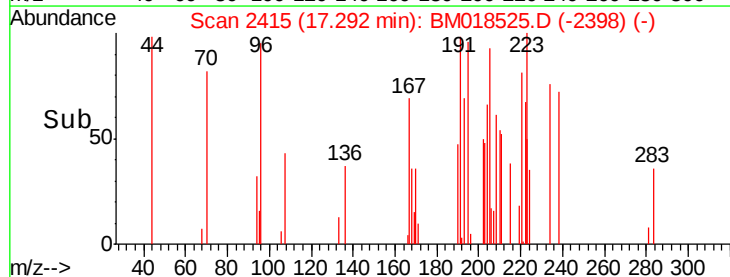
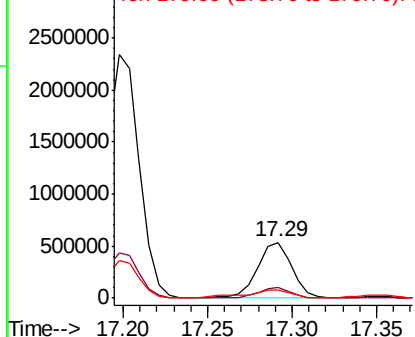


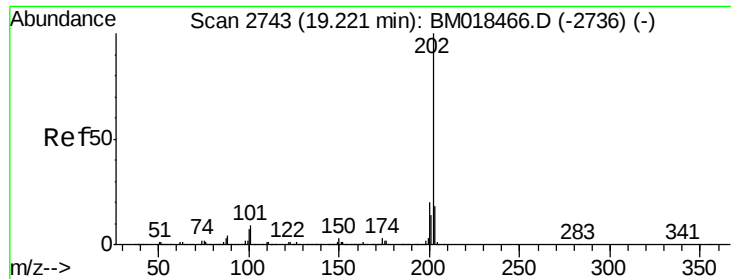
#72
Anthracene
Concen: 4.650 ng
RT: 17.29 min Scan# 2415
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion:178 Resp: 746720
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.3 12.2 18.4



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: 25.958 ng

RT: 19.22 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampleId :

TP-18

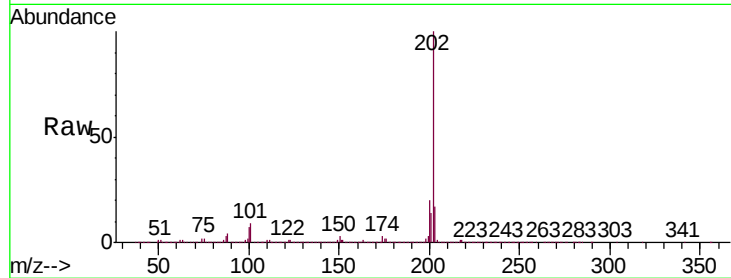
Tgt Ion:202 Resp: 4997742

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.9

203 17.5 0.0 37.4

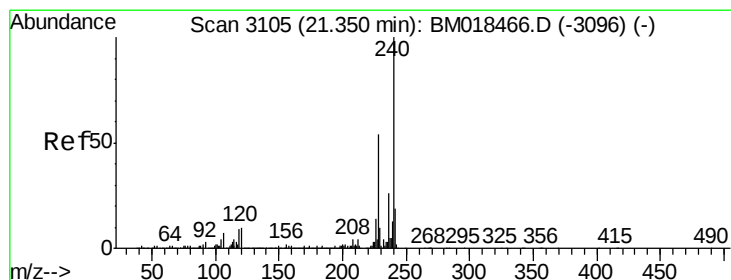
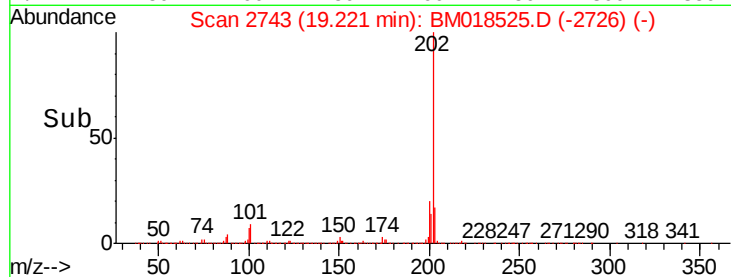
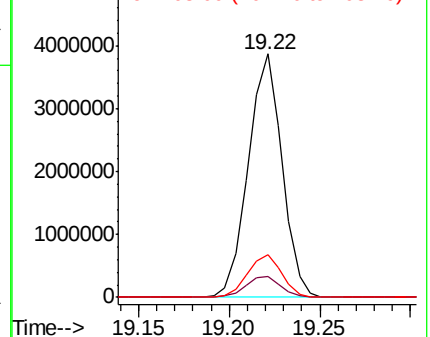


Abundance

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: 21.35 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

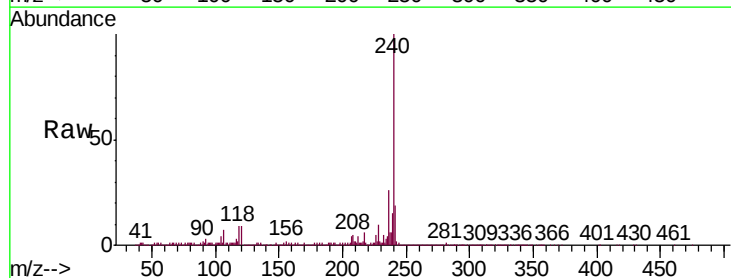
Tgt Ion:240 Resp: 2649463

Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

236 25.9 20.7 31.1

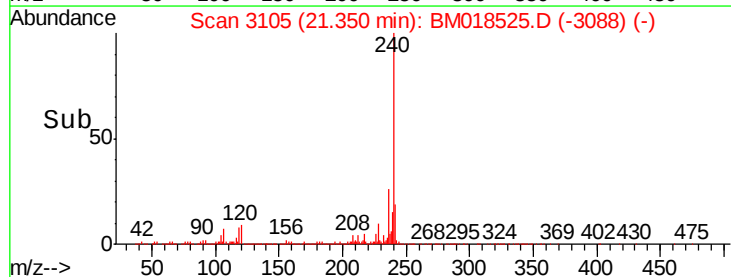
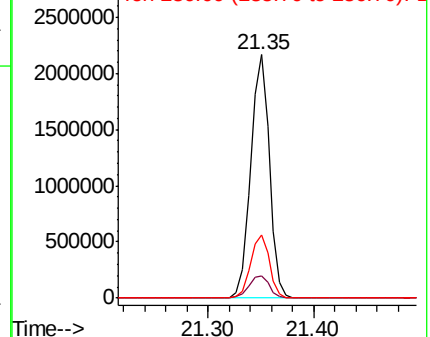


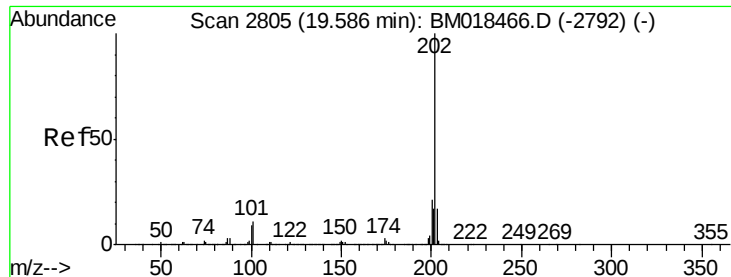
Abundance

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

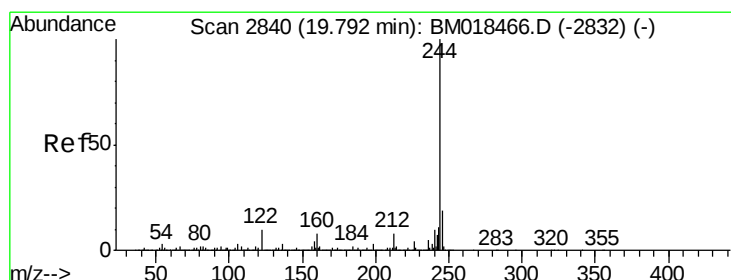
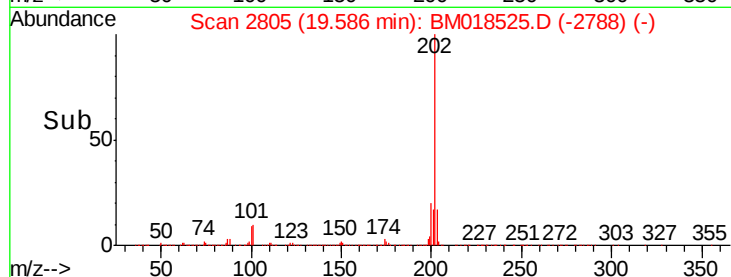
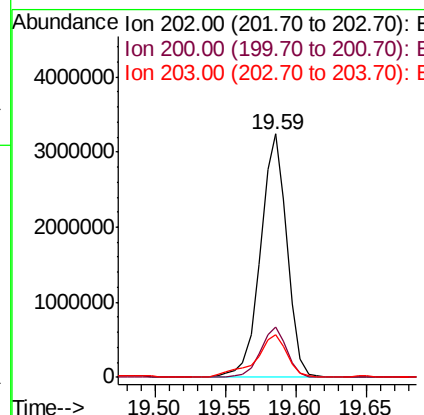
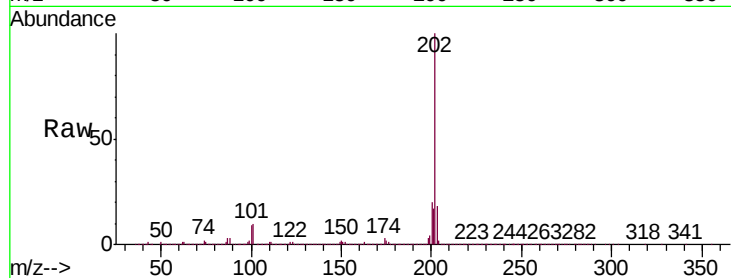




#78
 Pyrene
 Concen: 27.126 ng
 RT: 19.59 min Scan# 2805
 Delta R.T. -0.00 min
 Lab File: BM018525.D
 Acq: 11 Jan 2019 01:05

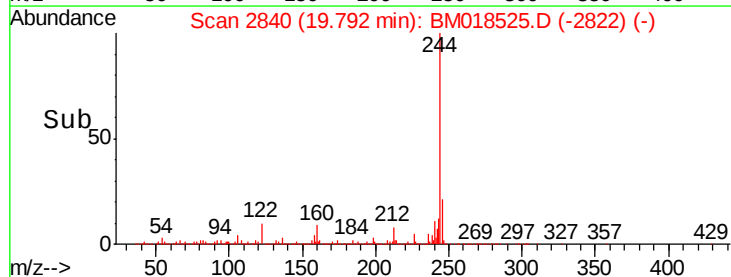
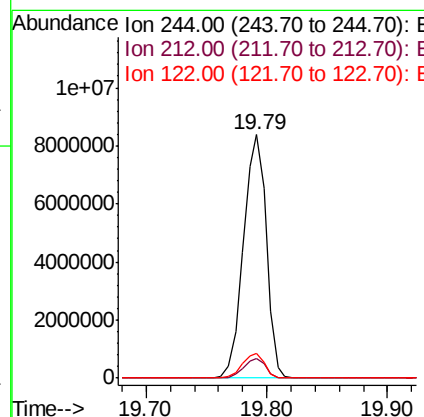
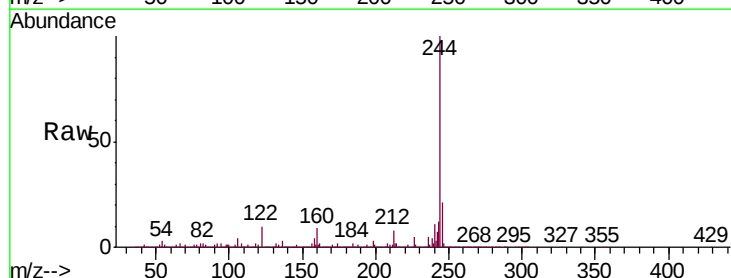
Instrument :
 BNA_M
 ClientSampleId :
 TP-18

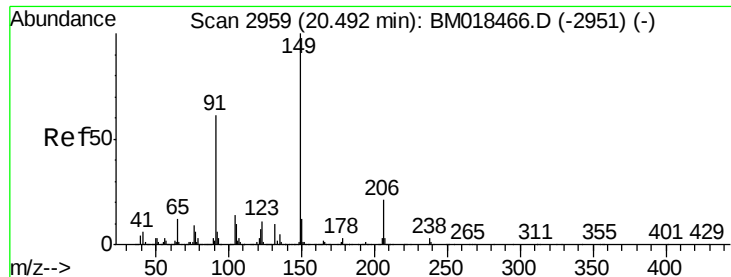
Tgt Ion:202 Resp: 4260112
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.6 24.8
 203 17.7 13.8 20.8



#79
 Terphenyl-d14
 Concen: 88.184 ng
 RT: 19.79 min Scan# 2840
 Delta R.T. 0.01 min
 Lab File: BM018525.D
 Acq: 11 Jan 2019 01:05

Tgt Ion:244 Resp:11083340
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.9 8.9
 122 10.3 9.0 13.4

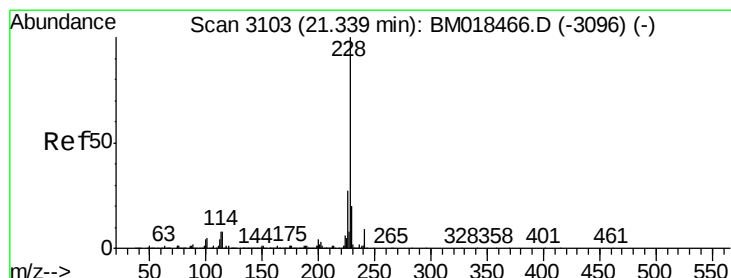
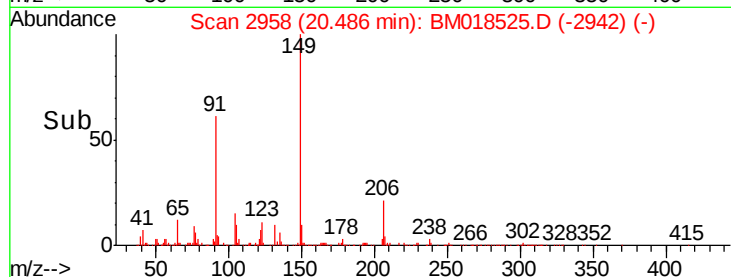
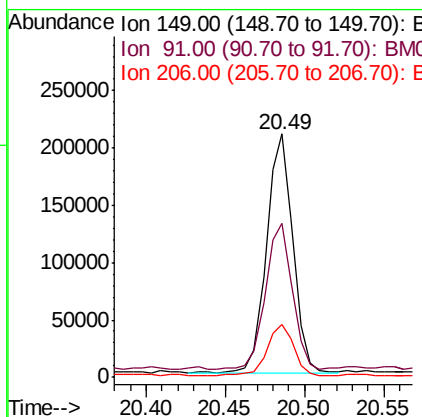
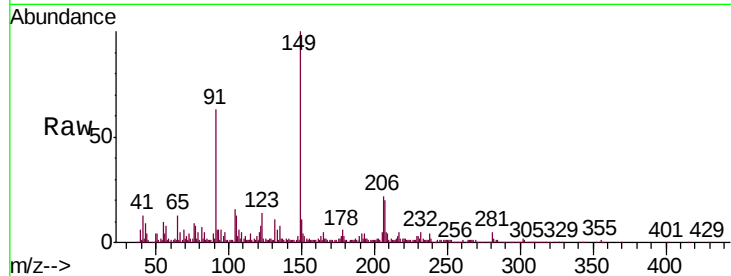




#80
Butylbenzylphthalate
Concen: 3.622 ng
RT: 20.49 min Scan# 2958
Delta R.T. -0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

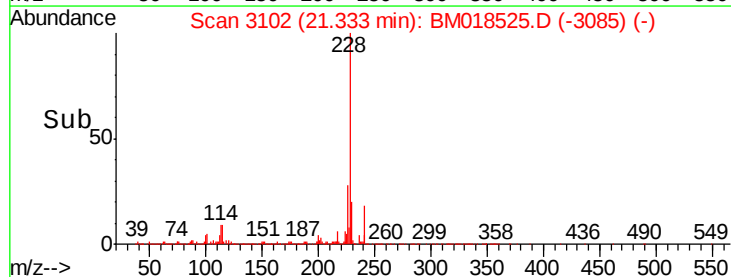
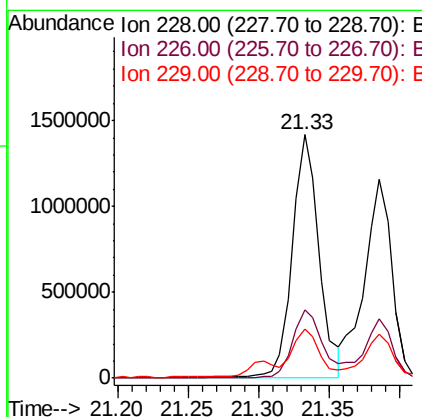
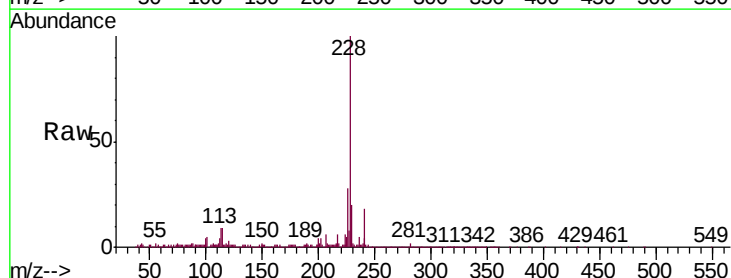
Instrument :
BNA_M
ClientSampled :
TP-18

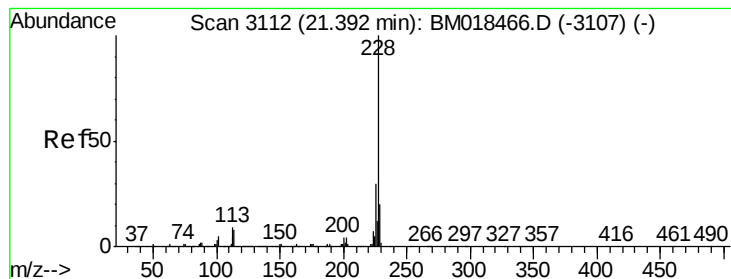
Tgt Ion:149 Resp: 242714
Ion Ratio Lower Upper
149 100
91 63.4 53.1 79.7
206 21.5 16.2 24.4



#81
Benzo(a)anthracene
Concen: 11.927 ng
RT: 21.33 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion:228 Resp: 1861604
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.6
229 20.3 15.8 23.8





#83

Chrysene

Concen: 10.393 ng

RT: 21.39 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampleId :

TP-18

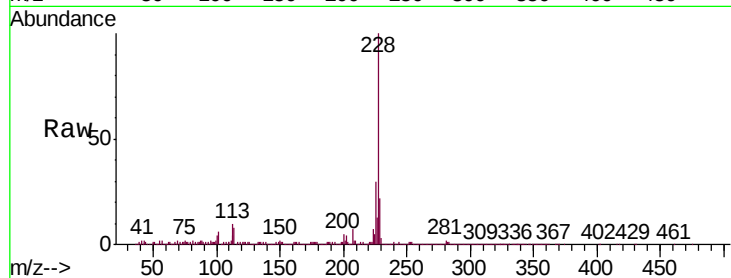
Tgt Ion:228 Resp: 1566476

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

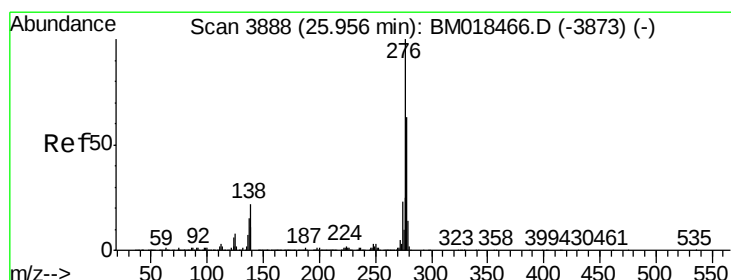
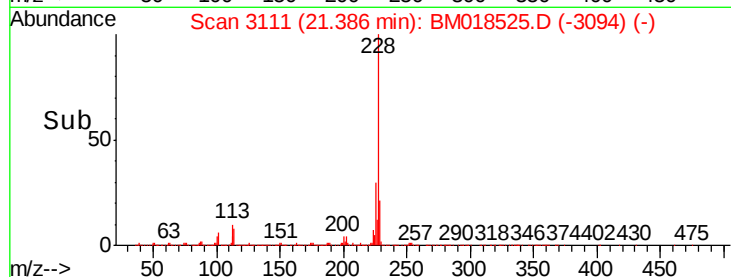
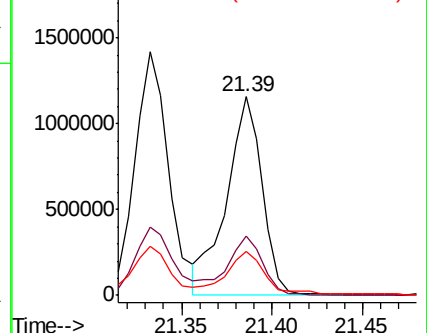
229 22.4 15.6 23.4



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: 4.513 ng

RT: 25.94 min Scan# 3886

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

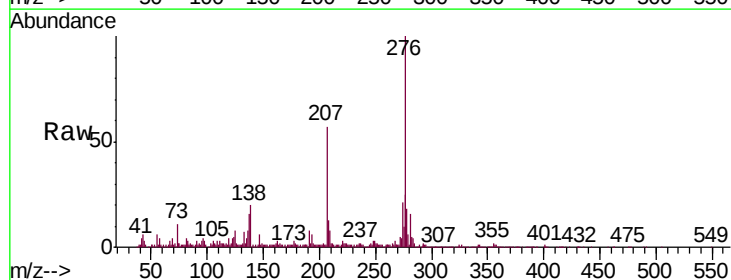
Tgt Ion:276 Resp: 784356

Ion Ratio Lower Upper

276 100

138 20.1 21.5 32.3#

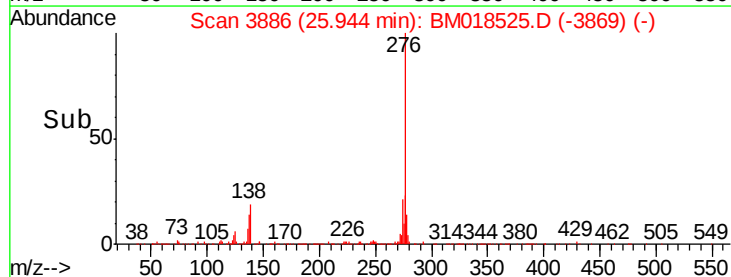
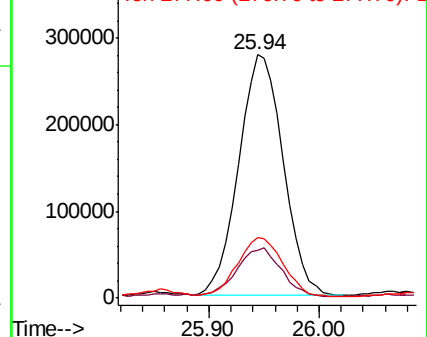
277 24.9 20.2 30.2

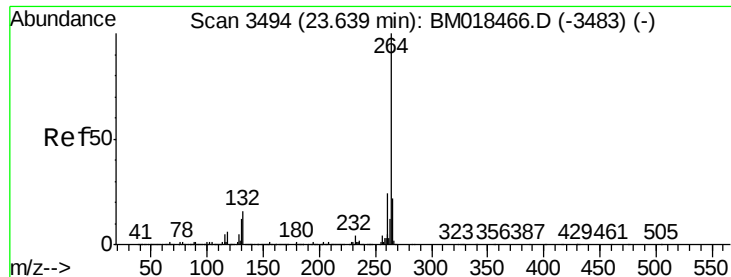


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



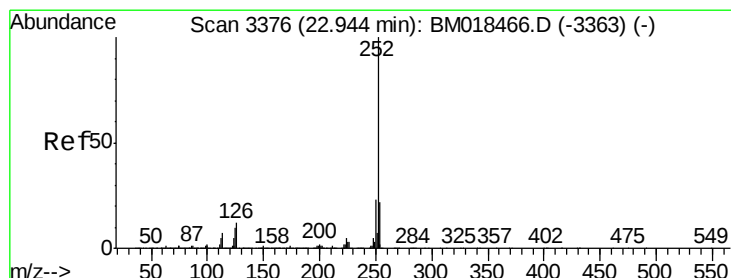
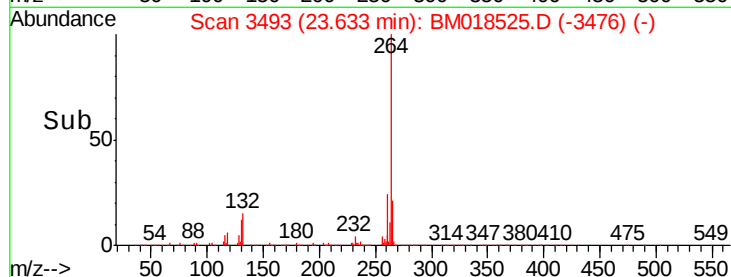
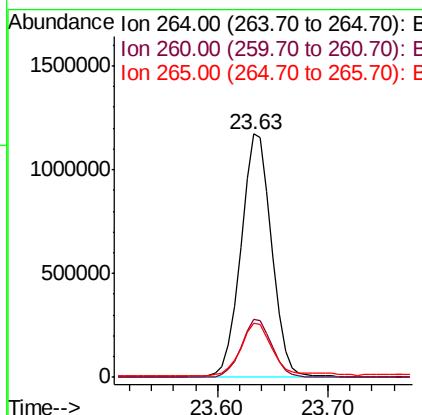
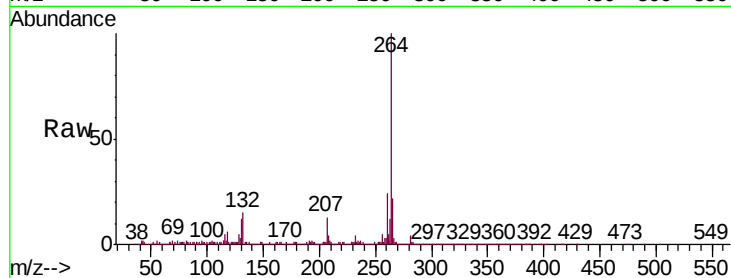


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3493
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampleId :
TP-18

Tgt Ion:264 Resp: 2279567

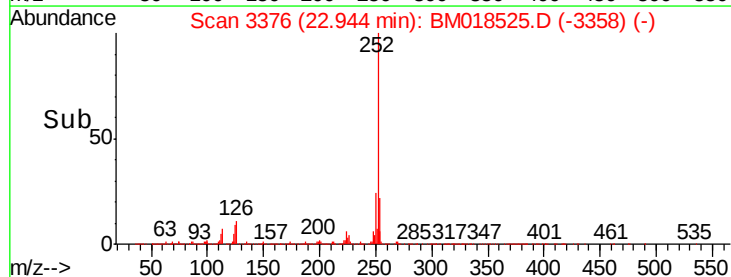
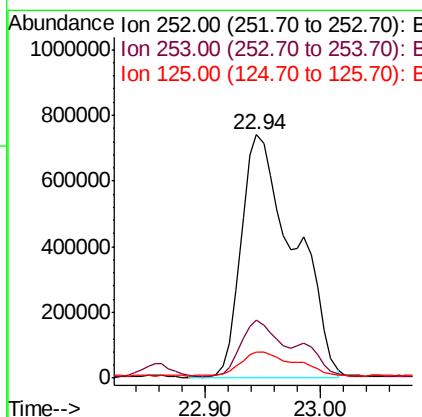
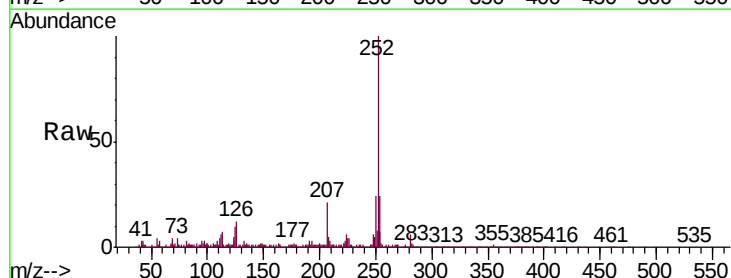
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.0	16.8	25.2

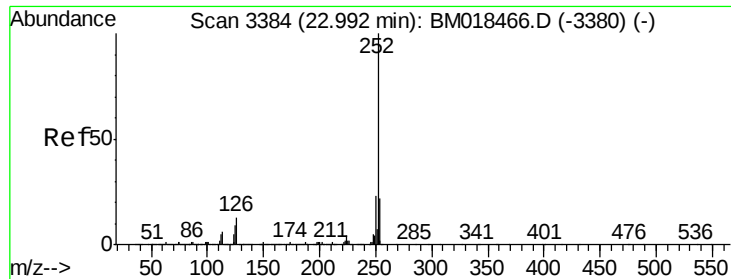


#88
Benzo(b)fluoranthene
Concen: 18.130 ng
RT: 22.94 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion:252 Resp: 2346289

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	10.5	8.5	12.7

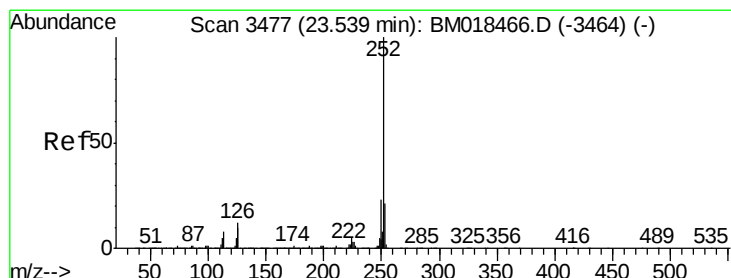
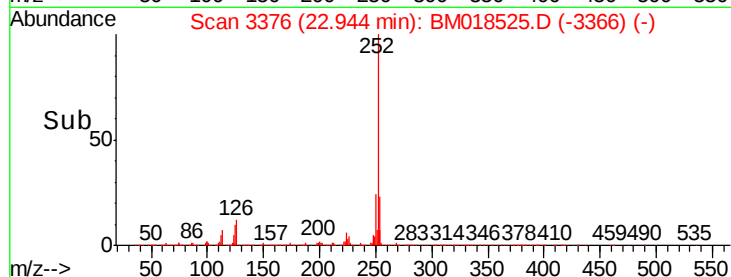
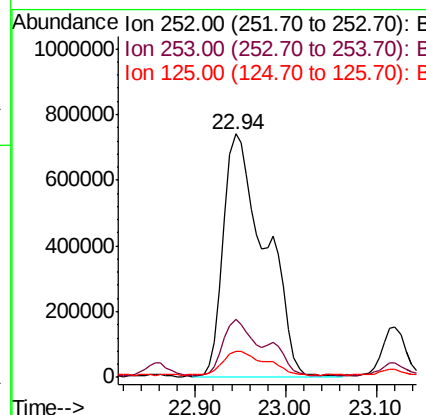
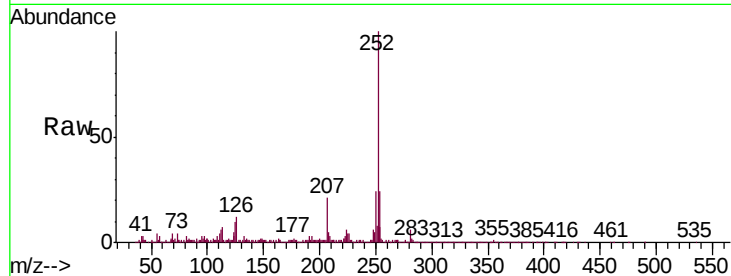




#89
Benzo(k)fluoranthene
Concen: 18.055 ng
RT: 22.94 min Scan# 3376
Delta R.T. -0.04 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

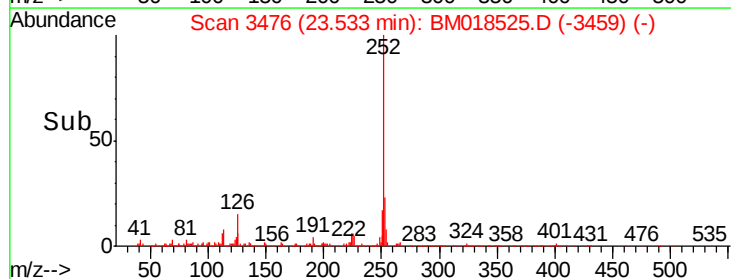
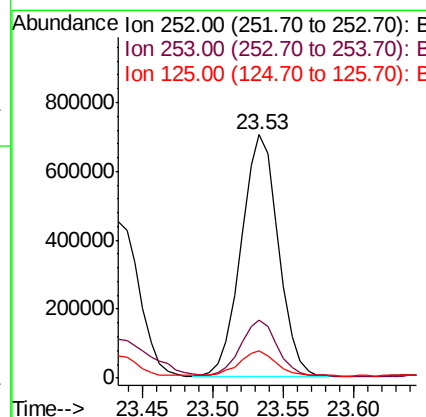
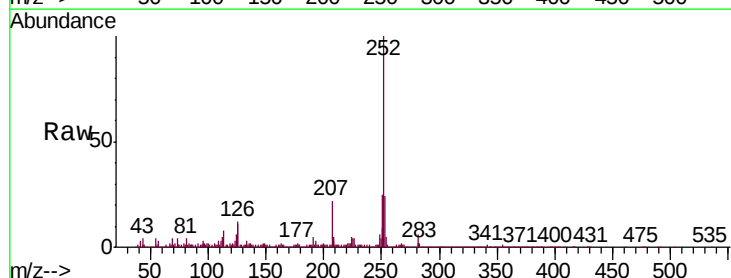
Instrument :
BNA_M
ClientSampled :
TP-18

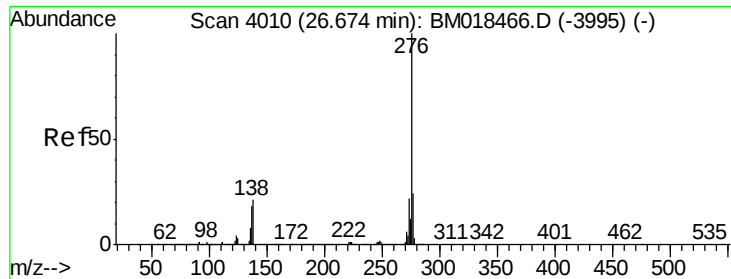
Tgt Ion:252 Resp: 2354735
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 10.5 8.6 12.8



#90
Benzo(a)pyrene
Concen: 10.405 ng
RT: 23.53 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion:252 Resp: 1289151
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 11.3 9.7 14.5





#92

Benzo(g,h,i)perylene

Concen: 6.292 ng

RT: 26.66 min Scan# 4008

Delta R.T. 0.01 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampleId :

TP-18

Tgt Ion: 276 Resp: 768637

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 20.6 18.1 27.1

