

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018371.D
 Acq On : 21 Dec 2018 23:42
 Operator : JU/SJ
 Sample : J6501-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-221

Quant Time: Dec 22 03:51:49 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

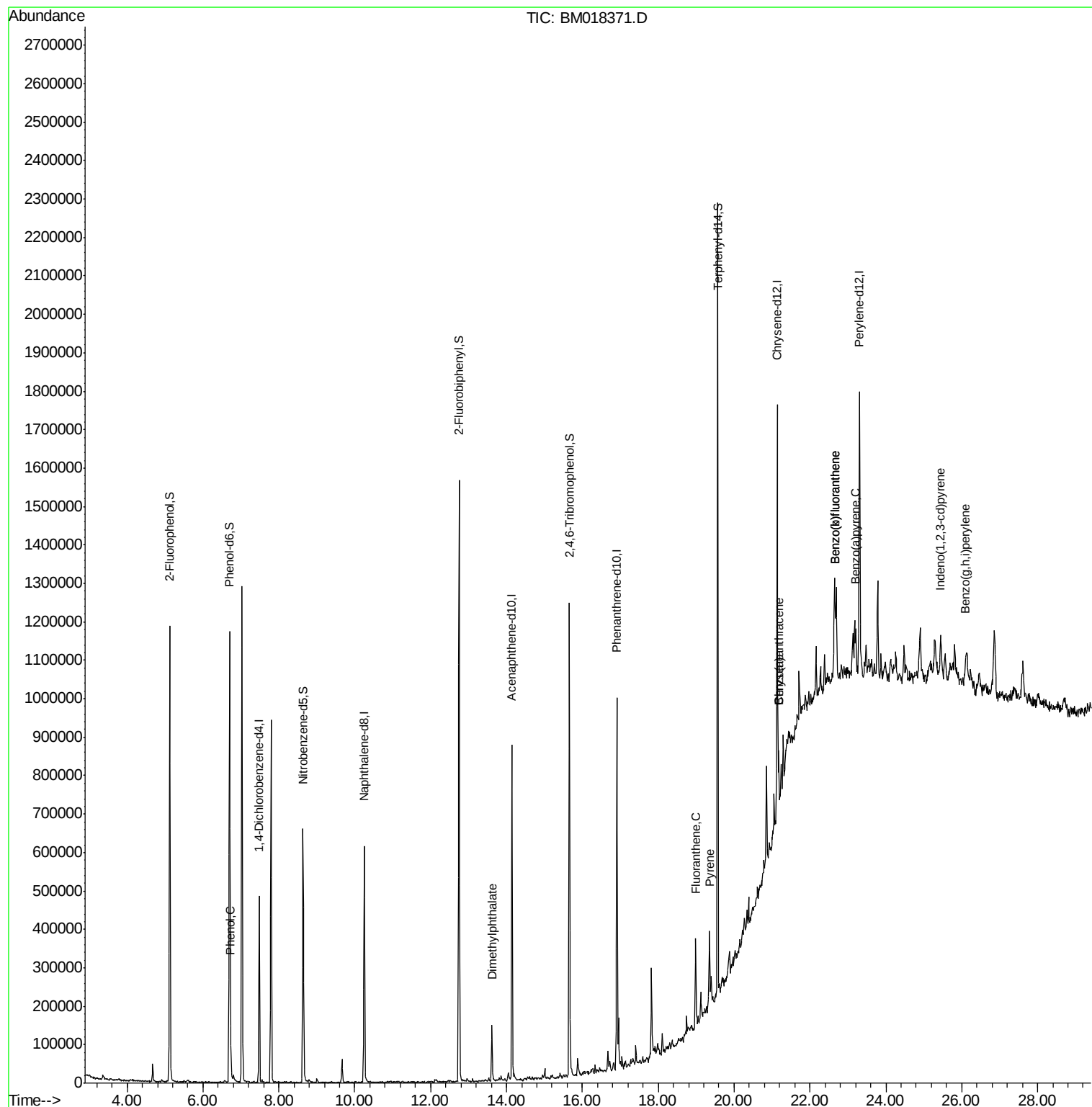
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	114079	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	487181	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	267146	20.00	ng	-0.02
64) Phenanthrene-d10	16.92	188	537857	20.00	ng	0.00
76) Chrysene-d12	21.14	240	455309	20.00	ng	0.00
87) Perylene-d12	23.30	264	491521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	468989	68.68	ng	0.00
7) Phenol-d6	6.70	99	617168	65.02	ng	0.00
23) Nitrobenzene-d5	8.64	82	412855	43.47	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	208307	53.13	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	771448	37.40	ng	-0.02
79) Terphenyl-d14	19.57	244	858714	42.65	ng	0.00
Target Compounds						
10) Phenol	6.73	94	45294	4.506	ng	Qvalue 87
50) Dimethylphthalate	13.62	163	88189	3.971	ng	100
75) Fluoranthene	18.99	202	134269	3.953	ng	99
78) Pyrene	19.36	202	118354	4.363	ng	99
81) Benzo(a)anthracene	21.17	228	64721	2.433	ng	91
83) Chrysene	21.17	228	70483	2.755	ng	94
86) Indeno(1,2,3-cd)pyrene	25.44	276	60146	2.360	ng	95
88) Benzo(b)fluoranthene	22.67	252	154157	5.583	ng	# 91
89) Benzo(k)fluoranthene	22.67	252	152118	5.532	ng	# 90
90) Benzo(a)pyrene	23.21	252	81232	3.093	ng	# 93
92) Benzo(g,h,i)perylene	26.10	276	63621	2.767	ng	# 87

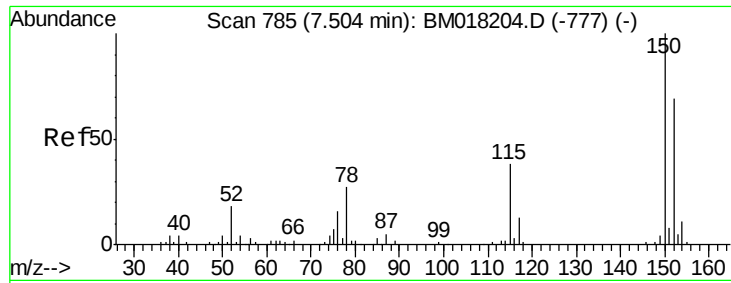
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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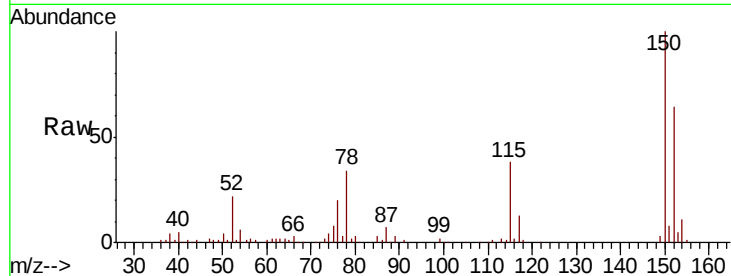




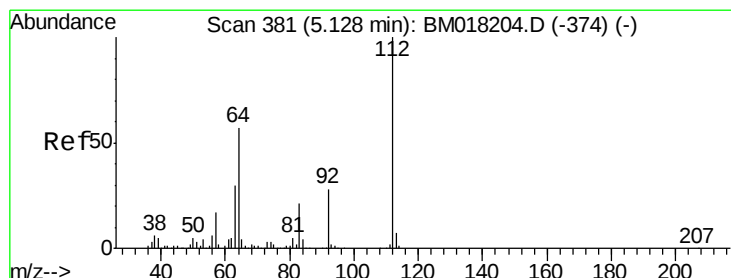
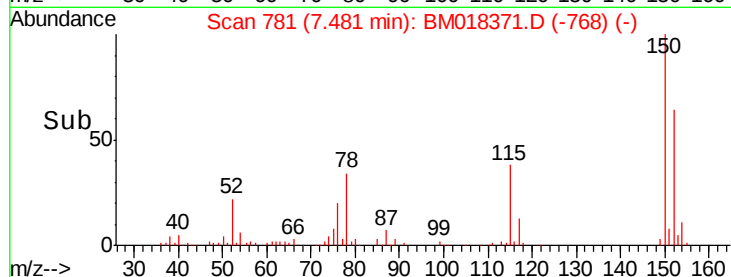
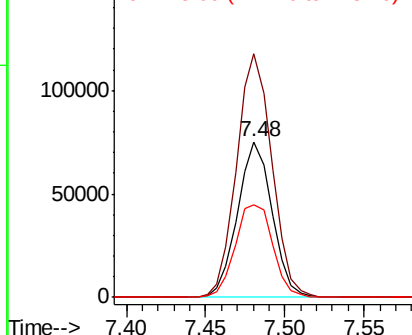
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.48 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BM018371.D
 Acq: 21 Dec 2018 23:42

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-221

Tgt Ion:152 Resp: 114079
 Ion Ratio Lower Upper
 152 100
 150 156.3 116.1 174.1
 115 59.6 44.6 67.0

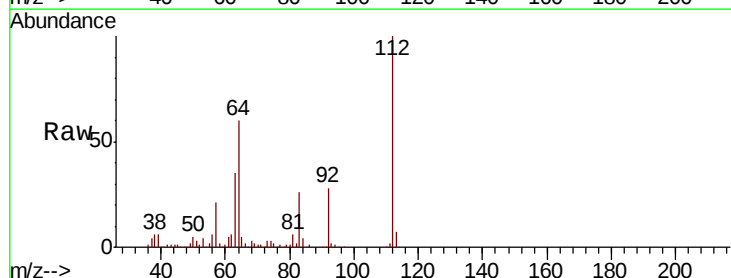


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

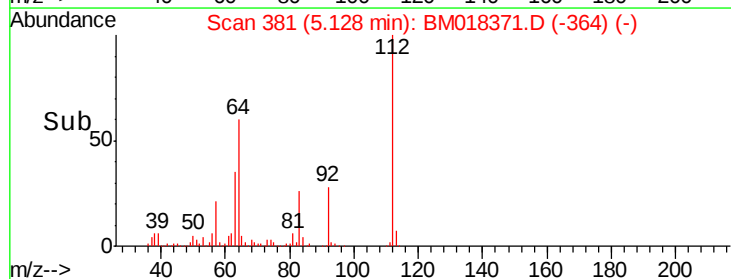
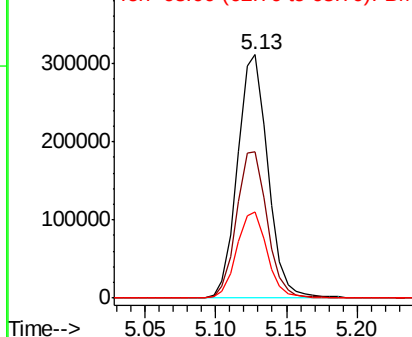


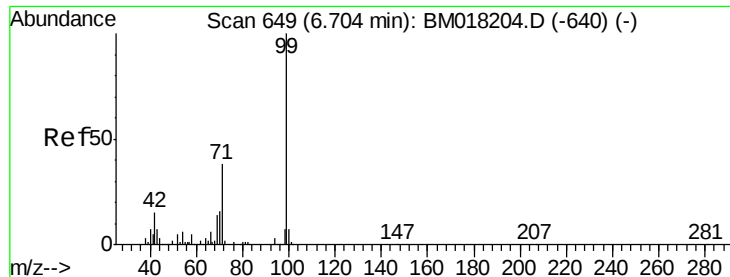
#5
 2-Fluorophenol
 Concen: 68.675 ng
 RT: 5.13 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BM018371.D
 Acq: 21 Dec 2018 23:42

Tgt Ion:112 Resp: 468989
 Ion Ratio Lower Upper
 112 100
 64 60.0 45.4 68.2
 63 35.4 24.0 36.0



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: 65.020 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

BNA_M

ClientSampleId :

VNJ-221

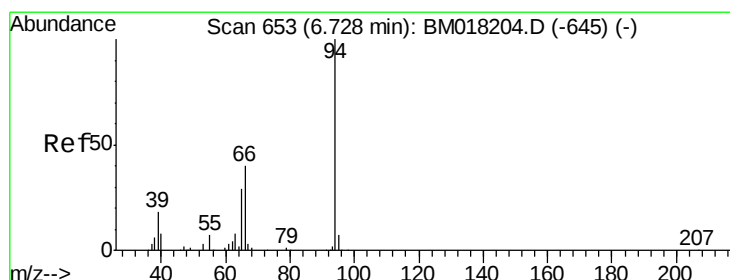
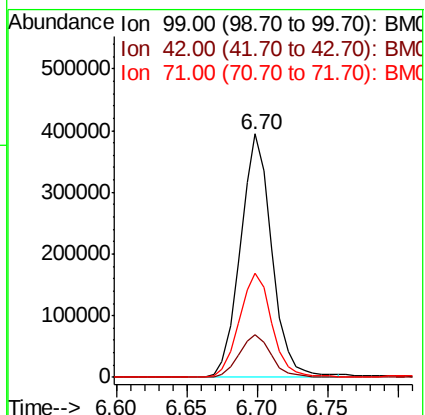
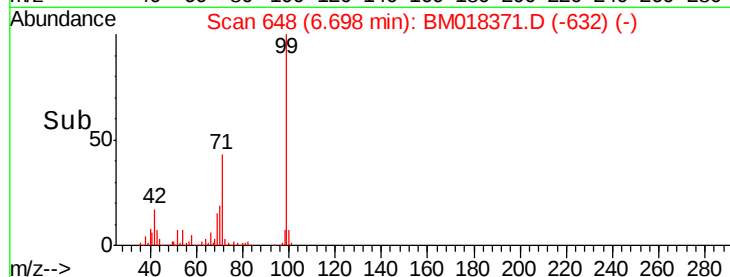
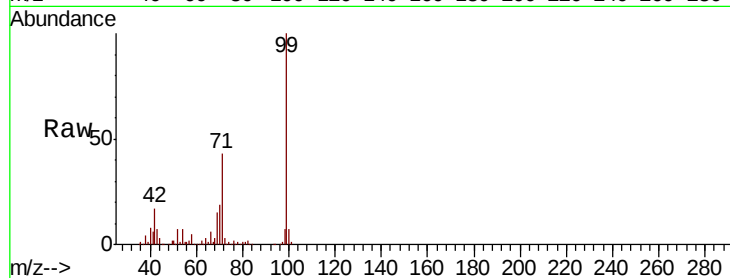
Tgt Ion: 99 Resp: 617168

Ion Ratio Lower Upper

99 100

42 17.5 12.3 18.5

71 43.0 30.2 45.2



#10

Phenol

Concen: 4.506 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

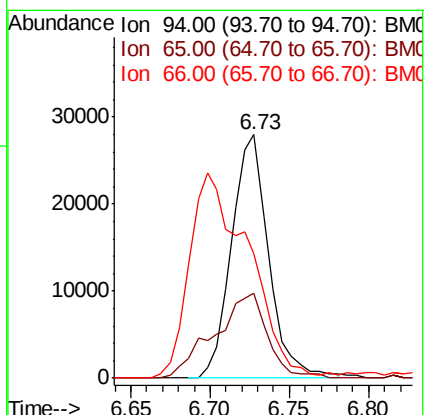
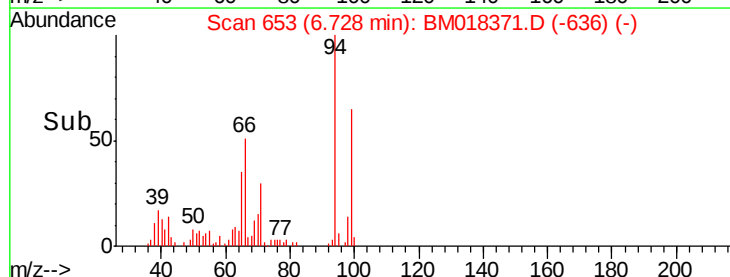
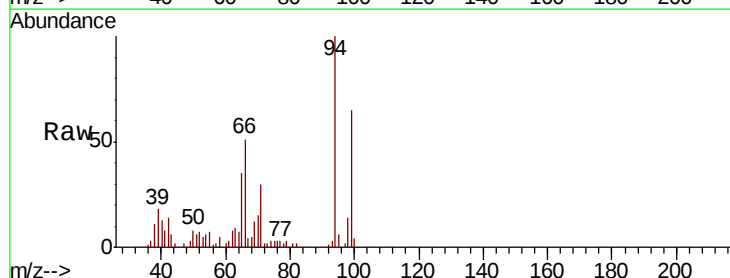
Tgt Ion: 94 Resp: 45294

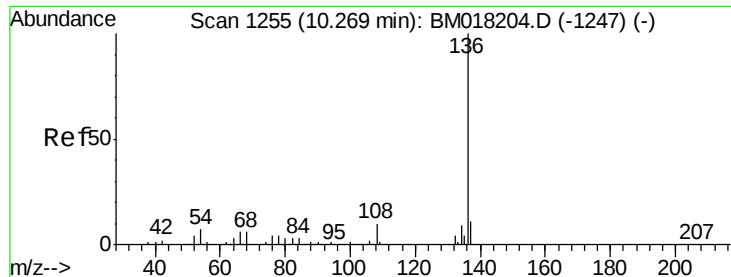
Ion Ratio Lower Upper

94 100

65 35.0 9.5 49.5

66 51.0 21.3 61.3

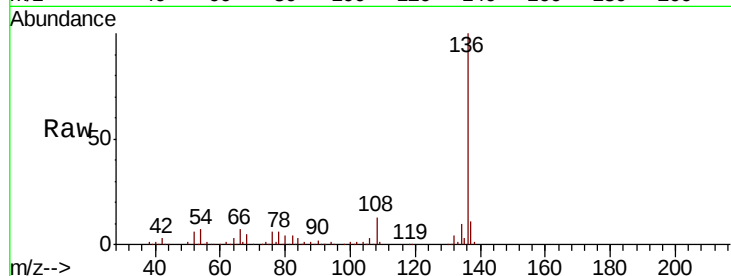




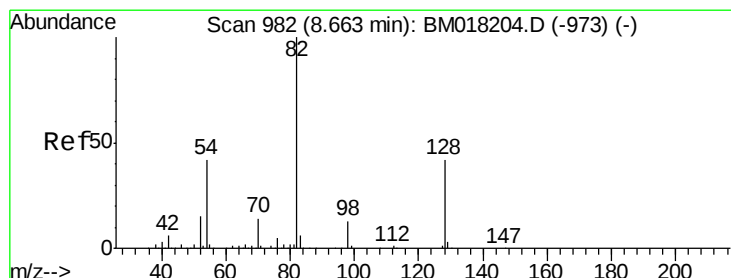
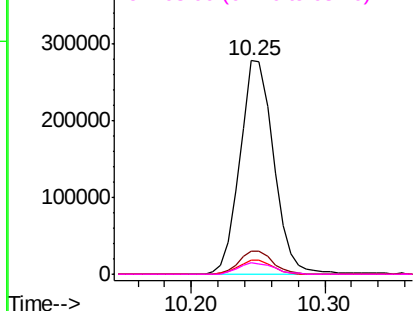
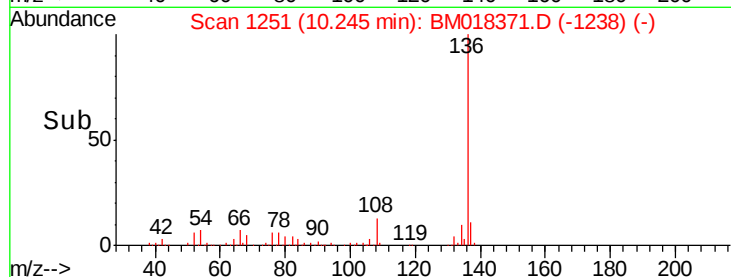
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BM018371.D
Acq: 21 Dec 2018 23:42

Instrument :
BNA_M
ClientSampleId :
VNJ-221

Tgt Ion:	136	Resp:	487181
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.9	5.2	7.8
68	5.3	5.0	7.6

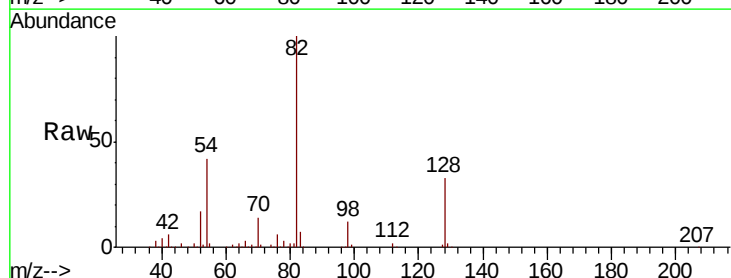


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

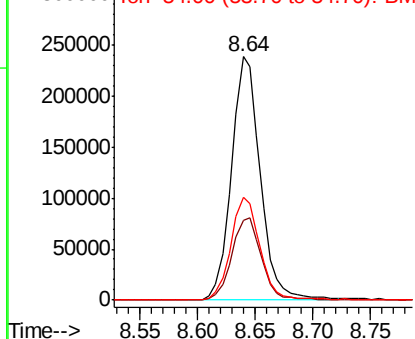
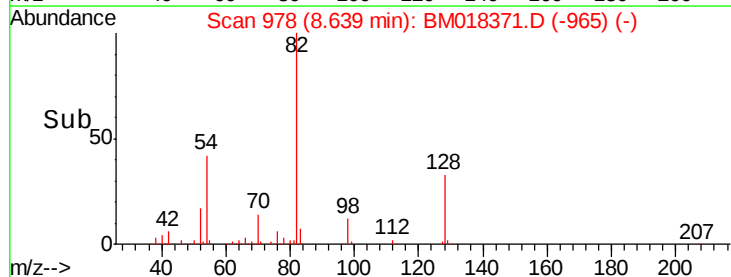


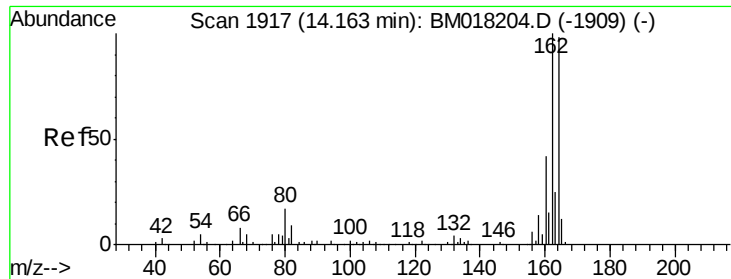
#23
Nitrobenzene-d5
Concen: 43.468 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018371.D
Acq: 21 Dec 2018 23:42

Tgt Ion:	82	Resp:	412855
Ion	Ratio	Lower	Upper
82	100		
128	33.0	33.4	50.2#
54	42.3	33.4	50.2



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: 14.14 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

BNA_M

ClientSampleId :

VNJ-221

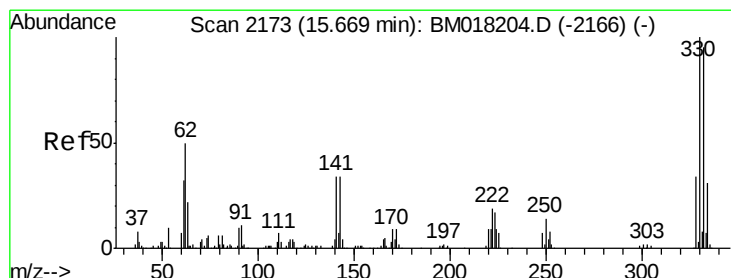
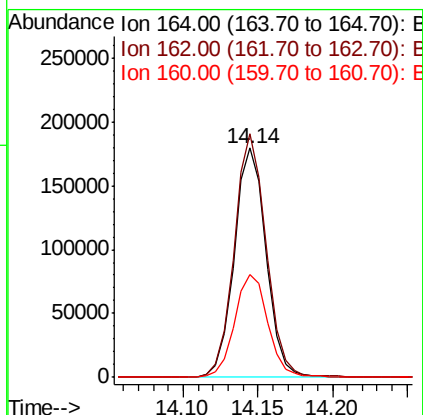
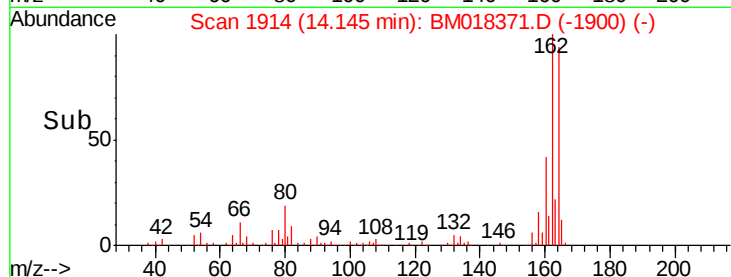
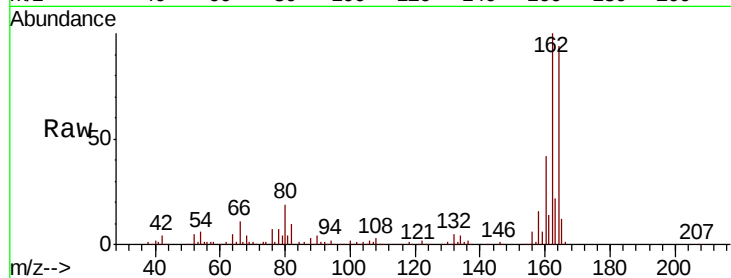
Tgt Ion:164 Resp: 267146

Ion Ratio Lower Upper

164 100

162 106.1 81.8 122.6

160 44.8 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 53.126 ng

RT: 15.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

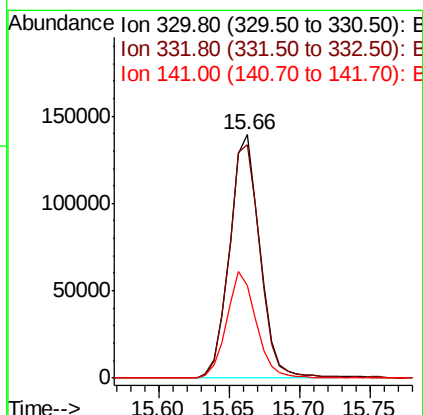
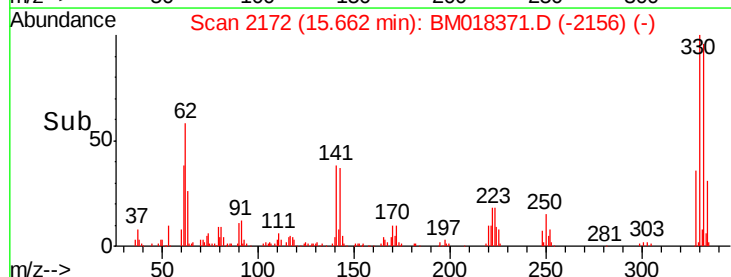
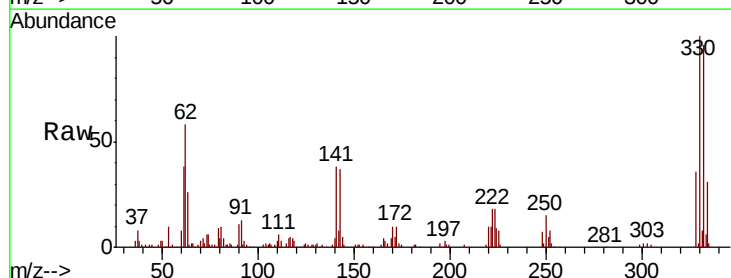
Tgt Ion:330 Resp: 208307

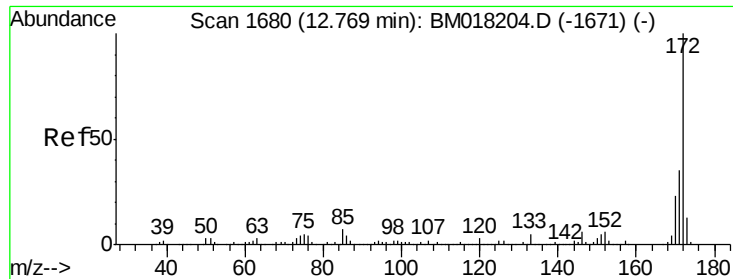
Ion Ratio Lower Upper

330 100

332 97.7 78.6 118.0

141 42.8 27.1 40.7#

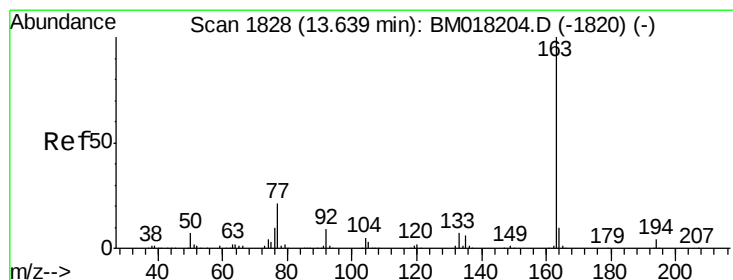
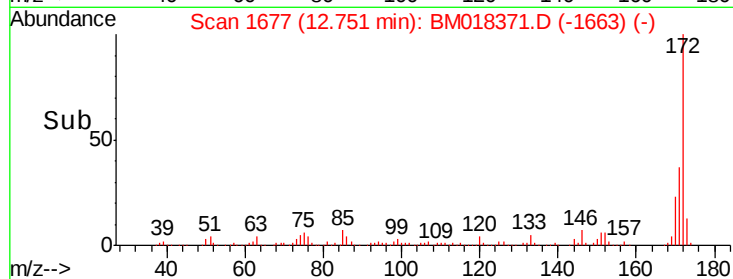
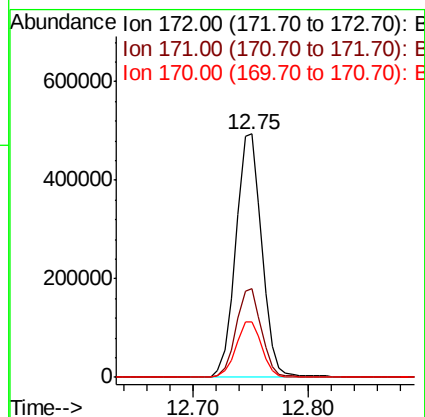
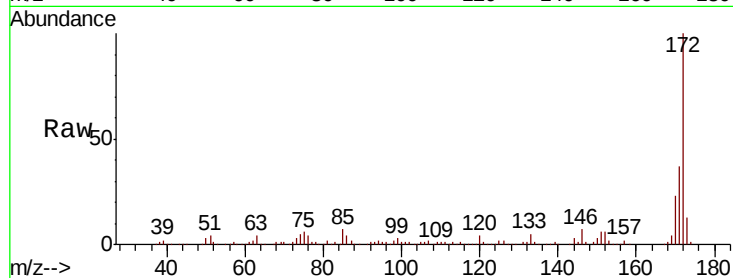




#45
 2-Fluorobiphenyl
 Concen: 37.403 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018371.D
 Acq: 21 Dec 2018 23:42

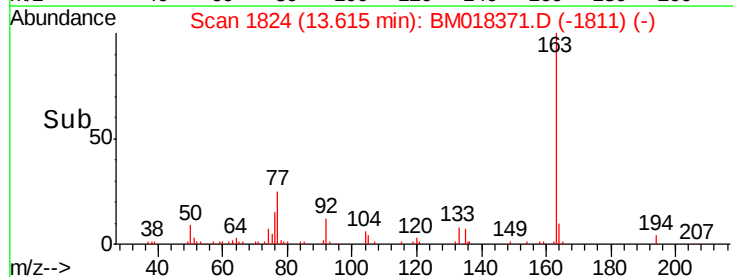
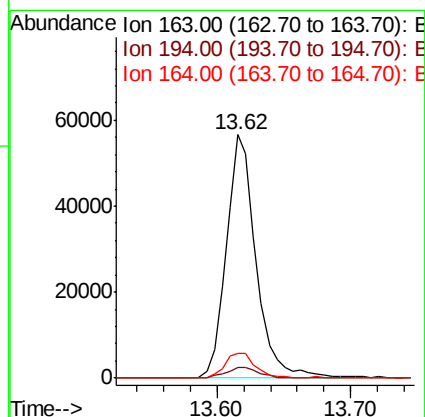
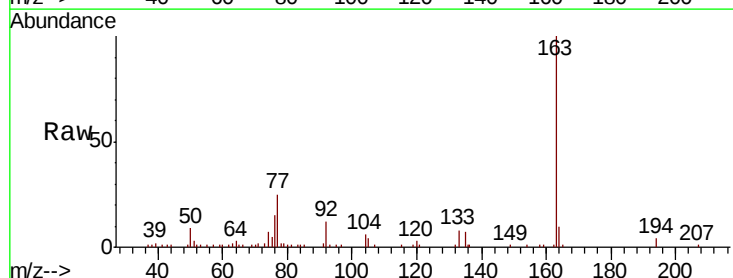
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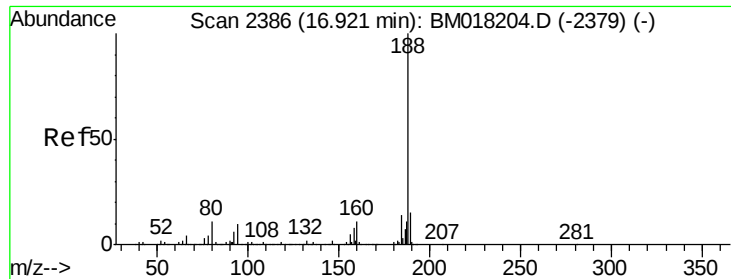
Tgt Ion:	172	Resp:	771448
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.3	42.5
170	22.8	18.1	27.1



#50
 Dimethylphthalate
 Concen: 3.971 ng
 RT: 13.62 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BM018371.D
 Acq: 21 Dec 2018 23:42

Tgt Ion:	163	Resp:	88189
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	9.9	7.9	11.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.92 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

BNA_M

ClientSampleId :

VNJ-221

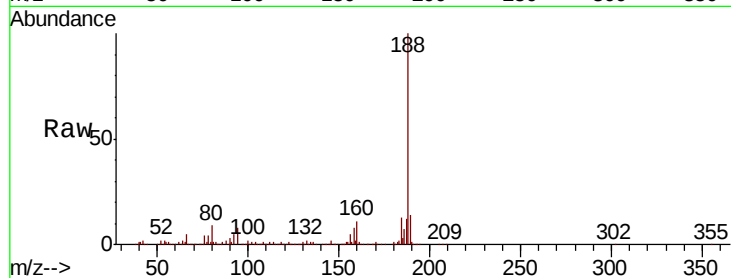
Tgt Ion:188 Resp: 537857

Ion Ratio Lower Upper

188 100

94 8.0 8.0 12.0

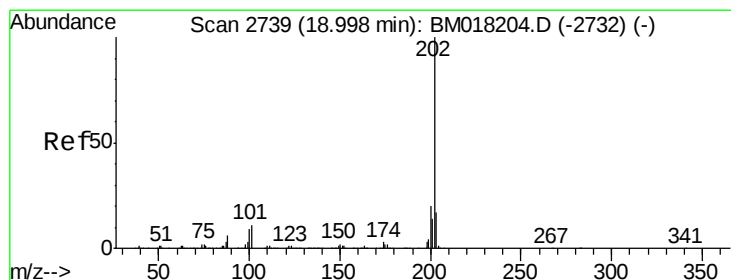
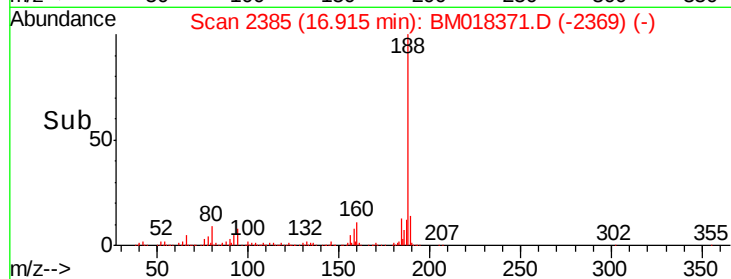
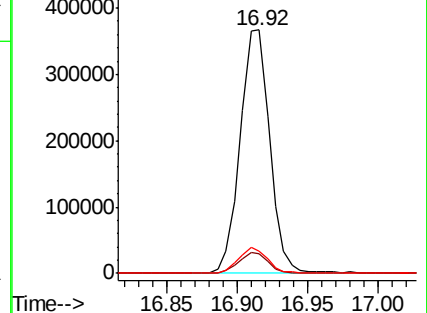
80 9.2 9.0 13.6



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



#75

Fluoranthene

Concen: 3.953 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

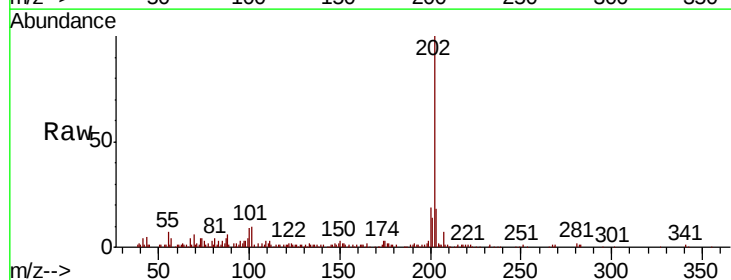
Tgt Ion:202 Resp: 134269

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.5

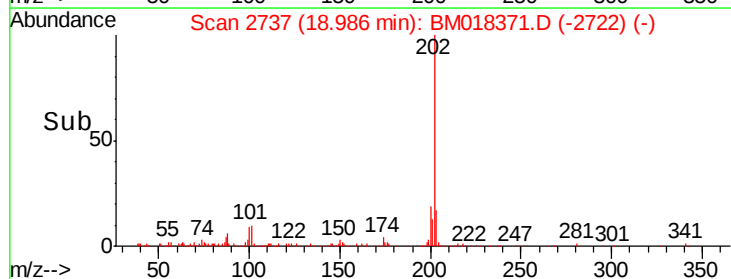
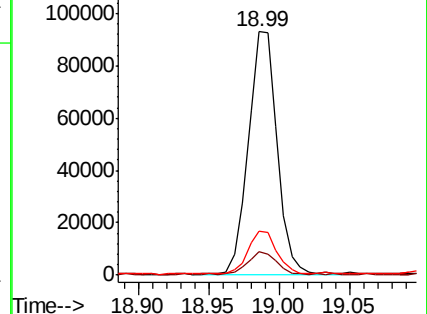
203 17.8 0.0 37.5

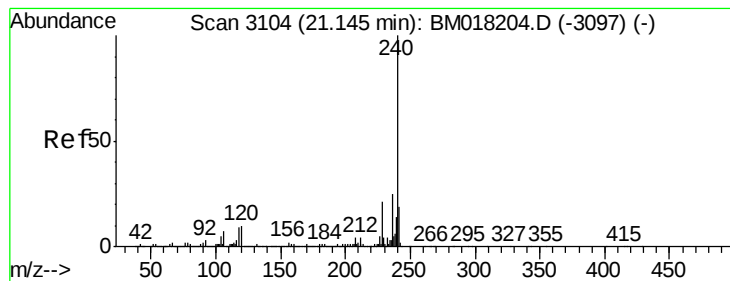


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

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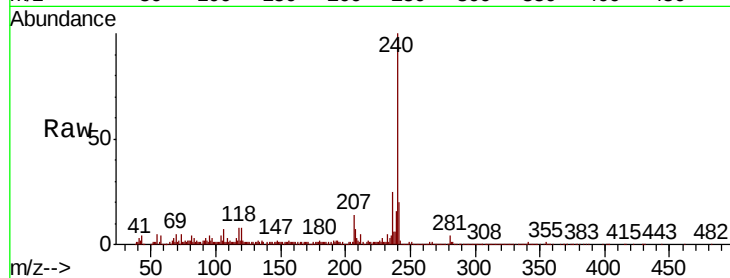
Tgt Ion:240 Resp: 455309

Ion Ratio Lower Upper

240 100

120 8.3 8.2 12.2

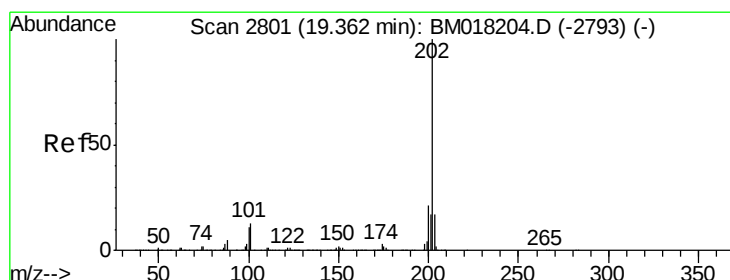
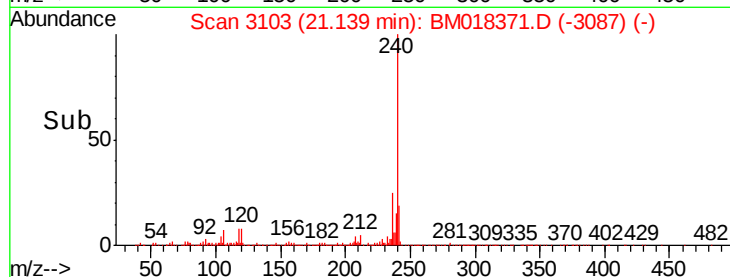
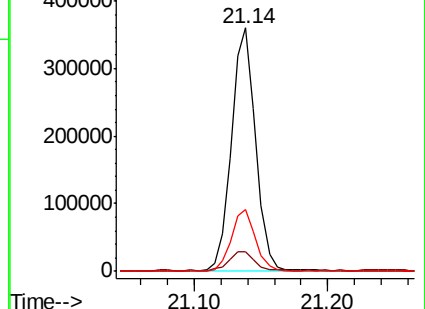
236 25.2 20.3 30.5



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: 4.363 ng

RT: 19.36 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

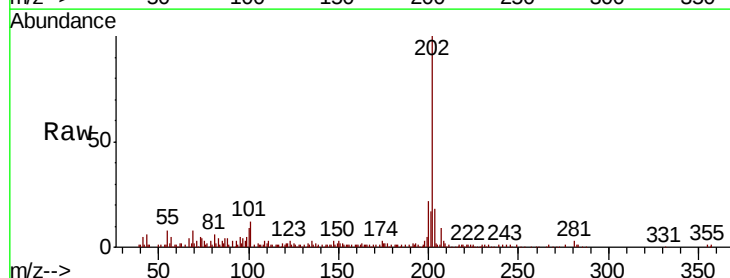
Tgt Ion:202 Resp: 118354

Ion Ratio Lower Upper

202 100

200 21.8 16.5 24.7

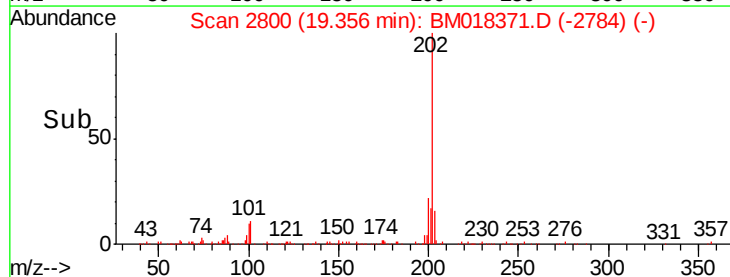
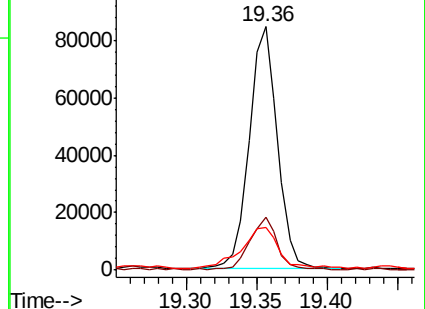
203 17.5 14.0 21.0

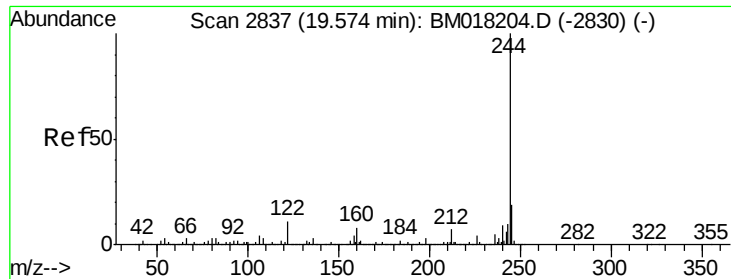


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 42.655 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

BNA_M

ClientSampleId :

VNJ-221

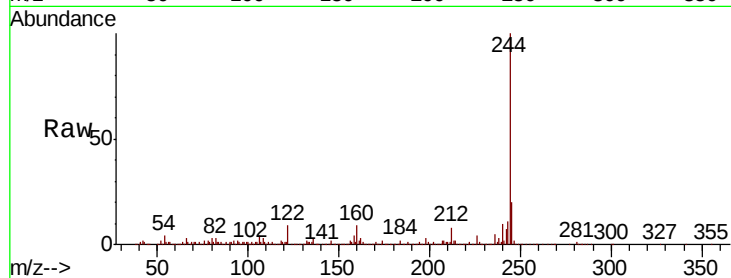
Tgt Ion:244 Resp: 858714

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

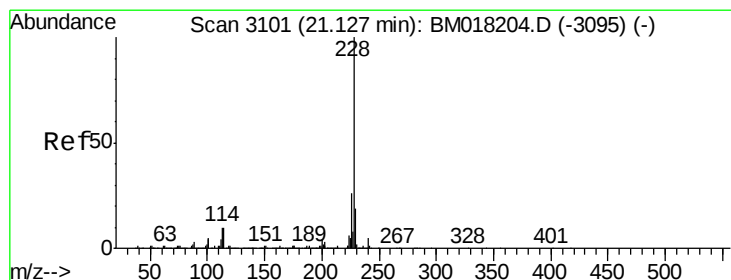
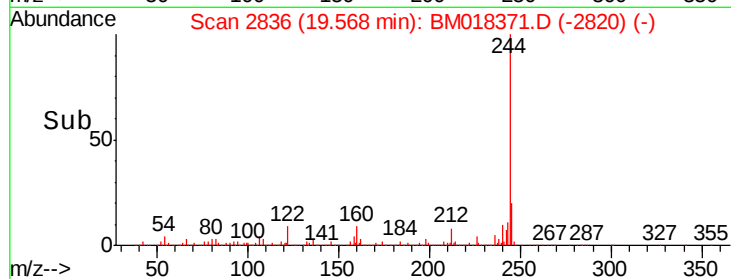
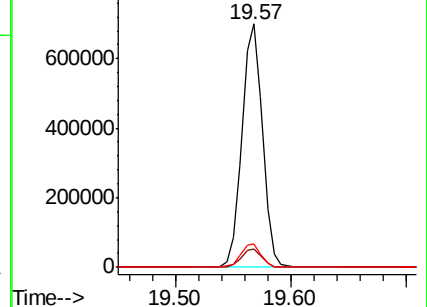
122 9.4 9.0 13.6



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: 2.433 ng

RT: 21.17 min Scan# 3109

Delta R.T. 0.05 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

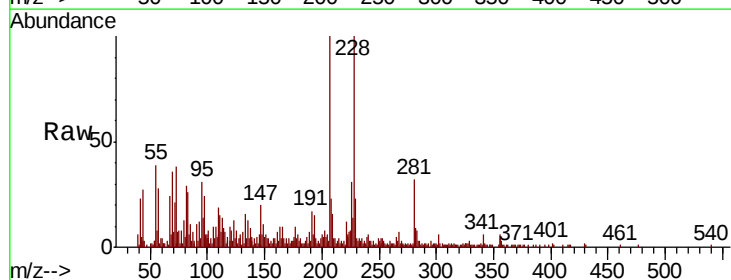
Tgt Ion:228 Resp: 64721

Ion Ratio Lower Upper

228 100

226 31.1 21.0 31.4

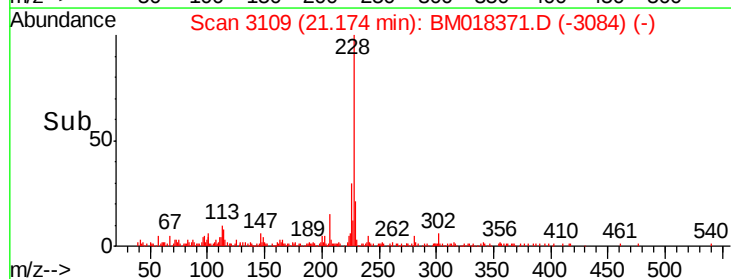
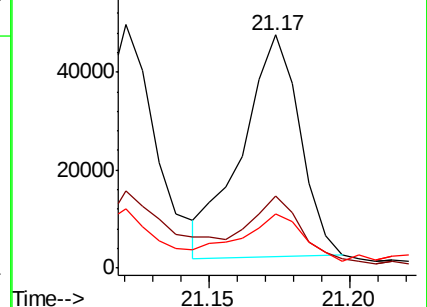
229 23.2 15.5 23.3

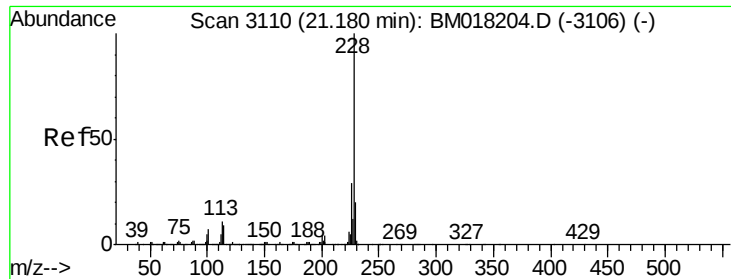


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.755 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

BNA_M

ClientSampleId :

VNJ-221

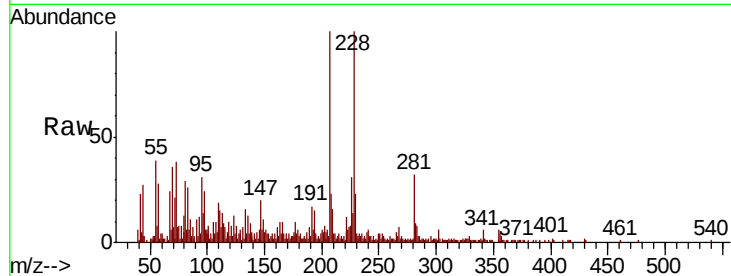
Tgt Ion:228 Resp: 70483

Ion Ratio Lower Upper

228 100

226 31.1 23.1 34.7

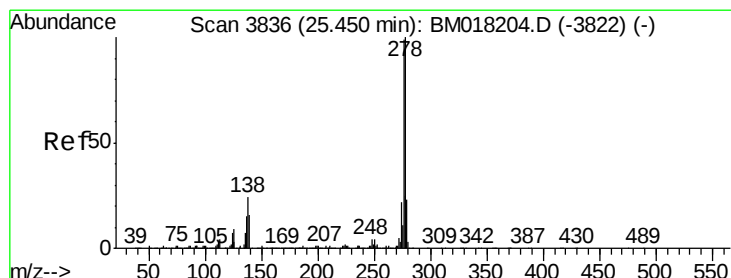
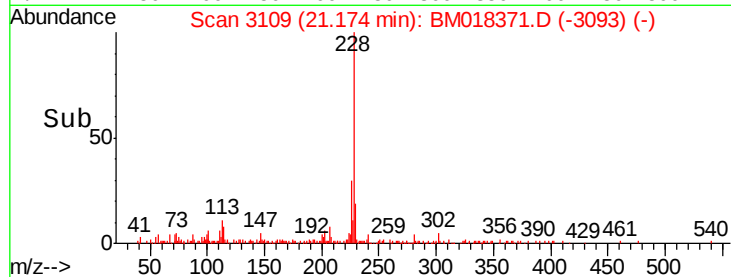
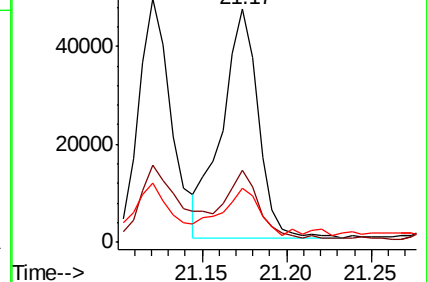
229 23.2 15.8 23.6



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: 2.360 ng

RT: 25.44 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

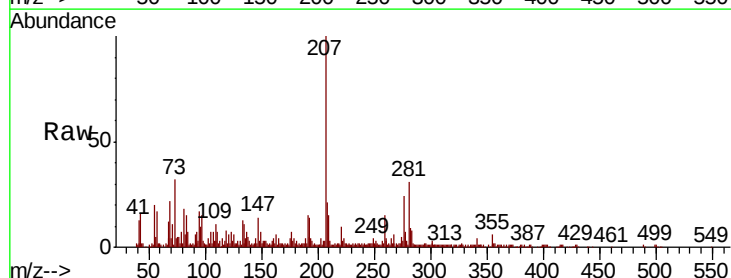
Tgt Ion:276 Resp: 60146

Ion Ratio Lower Upper

276 100

138 21.0 18.6 28.0

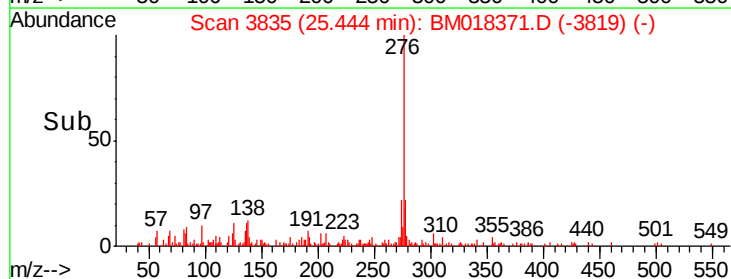
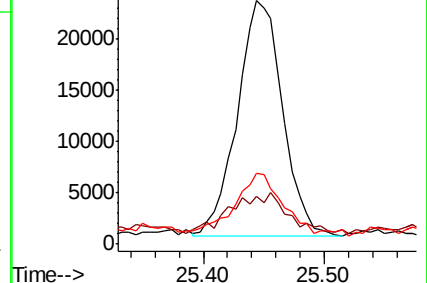
277 23.1 20.3 30.5

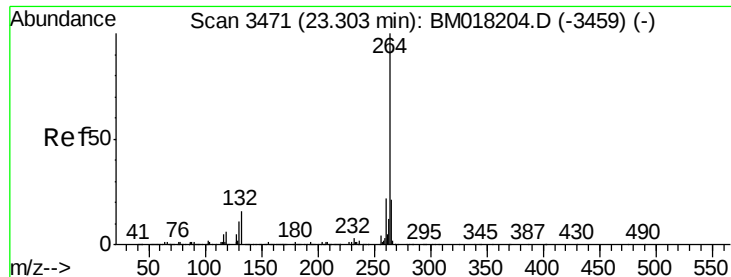


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.30 min Scan# 3471

Delta R.T. -0.00 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

BNA_M

ClientSampleId :

VNJ-221

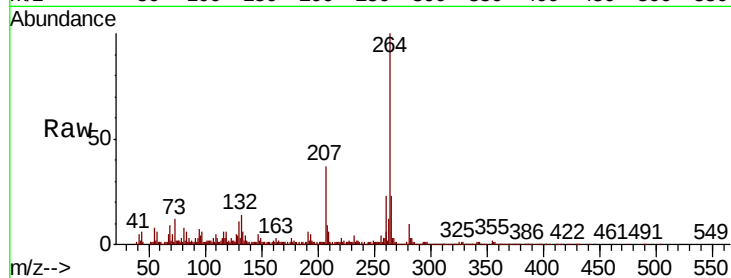
Tgt Ion:264 Resp: 491521

Ion Ratio Lower Upper

264 100

260 23.3 17.5 26.3

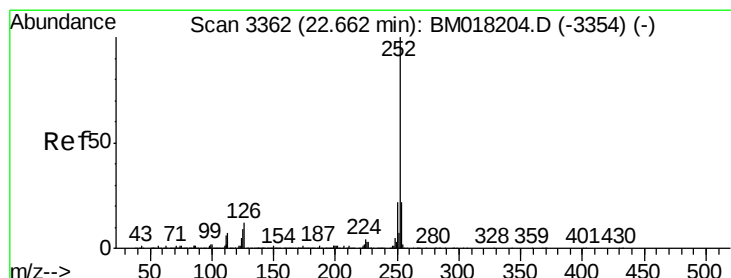
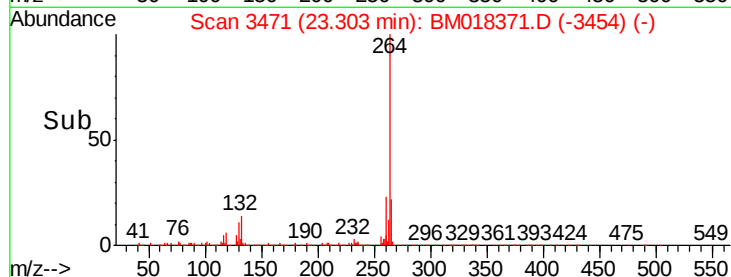
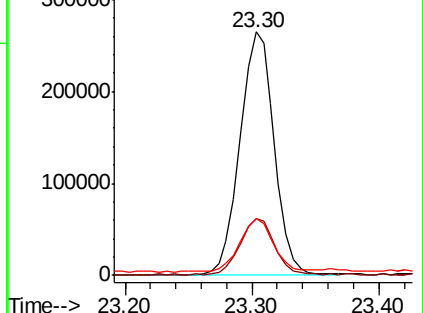
265 23.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.583 ng

RT: 22.67 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

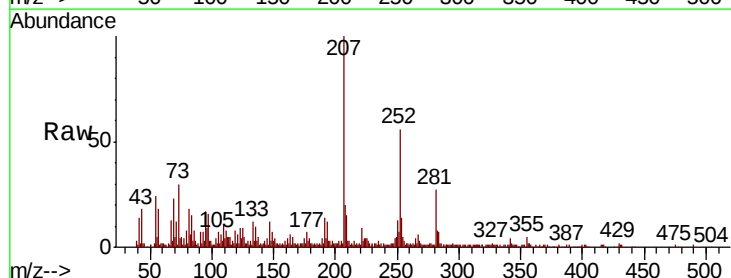
Tgt Ion:252 Resp: 154157

Ion Ratio Lower Upper

252 100

253 24.9 17.6 26.4

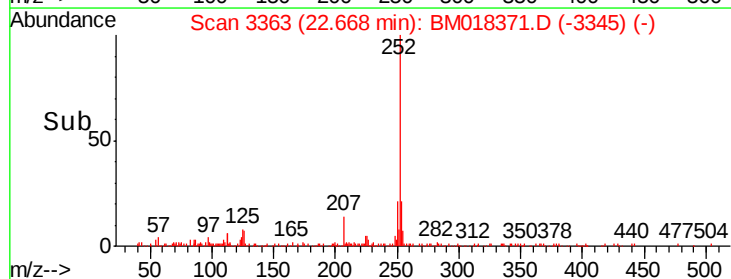
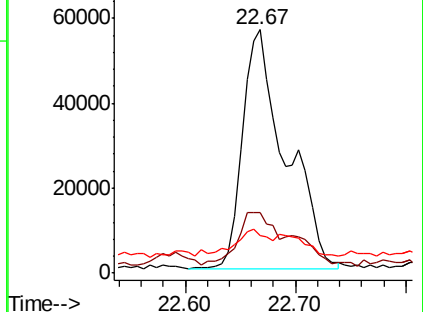
125 15.2 7.4 11.0#

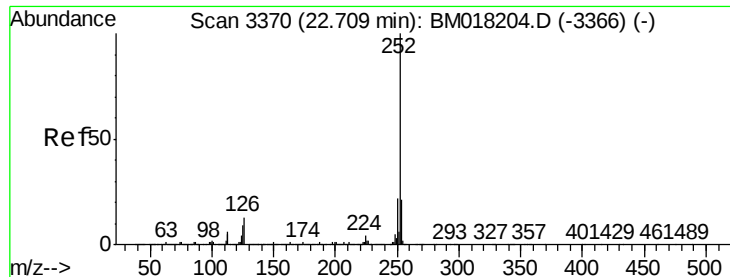


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.532 ng

RT: 22.67 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

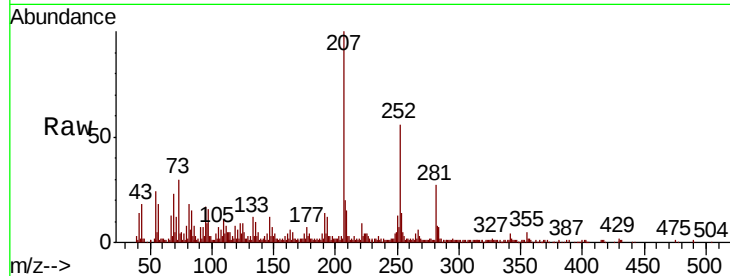
Instrument :

BNA_M

ClientSampleId :

VNJ-221

Tgt Ion:	252	Resp:	152118
Ion Ratio	Lower	Upper	
252	100		
253	24.9	16.9	25.3
125	15.2	7.5	11.3#

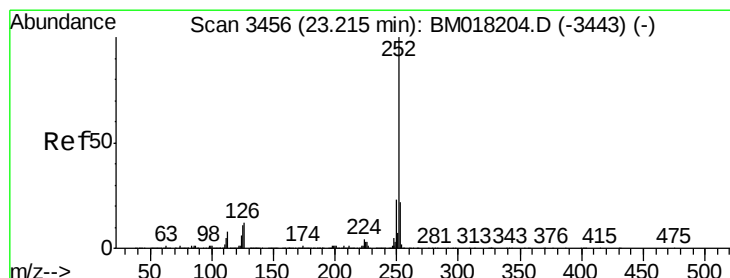
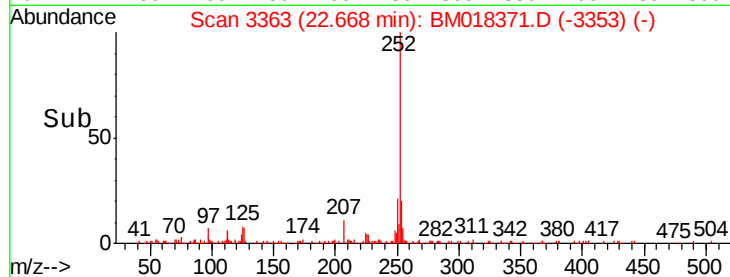
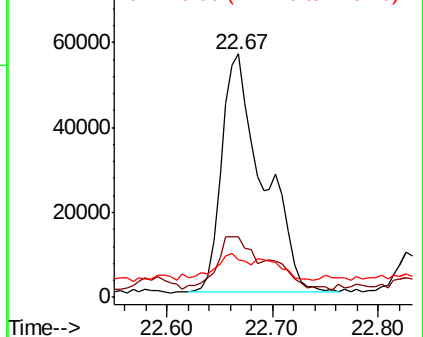


Abundance

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: 3.093 ng

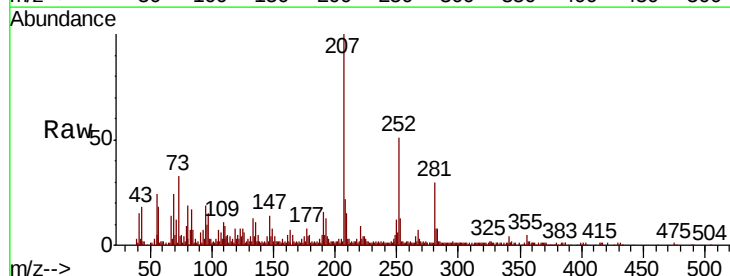
RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Tgt Ion:	252	Resp:	81232
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.6	26.4
125	15.4	8.6	12.8#

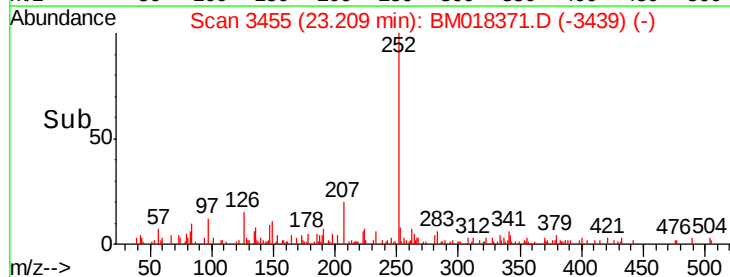
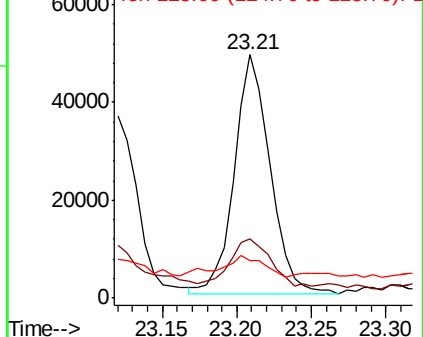


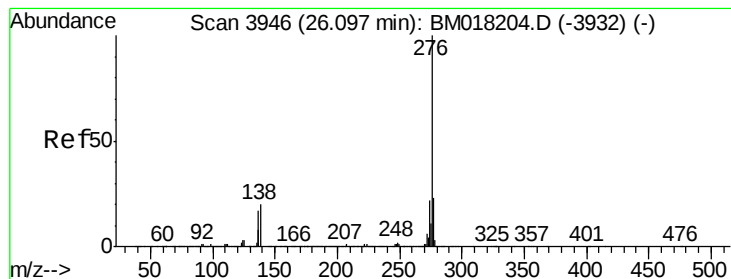
Abundance

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: 2.767 ng

RT: 26.10 min Scan# 3946

Delta R.T. -0.00 min

Lab File: BM018371.D

Acq: 21 Dec 2018 23:42

Instrument :

BNA_M

ClientSampleId :

VNJ-221

Tgt Ion: 276 Resp: 63621

Ion Ratio Lower Upper

276 100

277 33.5 18.7 28.1#

138 21.2 15.8 23.8

