

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022619\
 Data File : BM018942.D
 Acq On : 26 Feb 2019 22:50
 Operator : JU/SJ
 Sample : K1348-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-022519

Quant Time: Feb 27 00:05:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

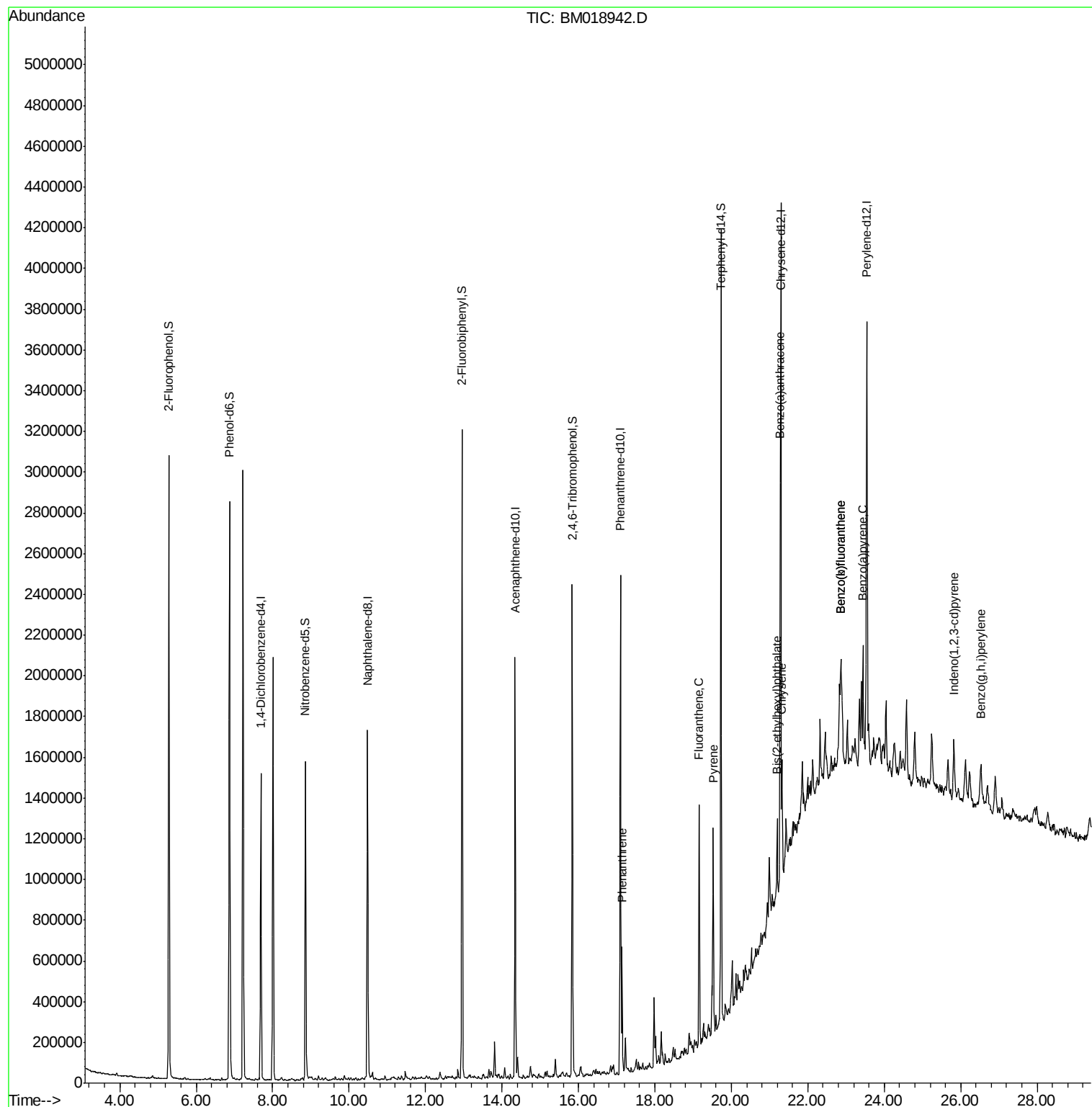
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	372794	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	1405524	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	670054	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1314795	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1358218	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1500252	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1217161	53.50	ng	-0.02
7) Phenol-d6	6.87	99	1622769	50.63	ng	-0.02
23) Nitrobenzene-d5	8.86	82	1030856	33.91	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	409377	42.38	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1526613	30.24	ng	-0.02
79) Terphenyl-d14	19.73	244	1691100	25.68	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.86	77	3344	Below Cal		Qvalue # 14
71) Phenanthrene	17.14	178	333329	4.717	ng	100
75) Fluoranthene	19.16	202	661787	8.108	ng	99
78) Pyrene	19.53	202	598366	7.585	ng	99
81) Benzo(a)anthracene	21.27	228	333733	4.215	ng	96
83) Chrysene	21.33	228	301890	3.978	ng	96
84) Bis(2-ethylhexyl)phthalate	21.20	149	112589	2.140	ng	98
86) Indeno(1,2,3-cd)pyrene	25.82	276	235286	2.685	ng	96
88) Benzo(b)fluoranthene	22.86	252	589564	6.869	ng	# 90
89) Benzo(k)fluoranthene	22.86	252	585887	6.856	ng	# 89
90) Benzo(a)pyrene	23.44	252	332972	4.095	ng	# 93
92) Benzo(g,h,i)perylene	26.53	276	241708	3.223	ng	96

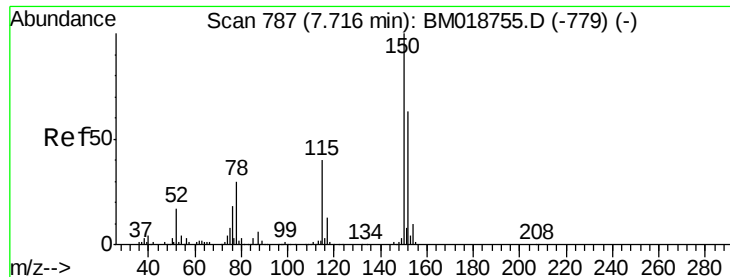
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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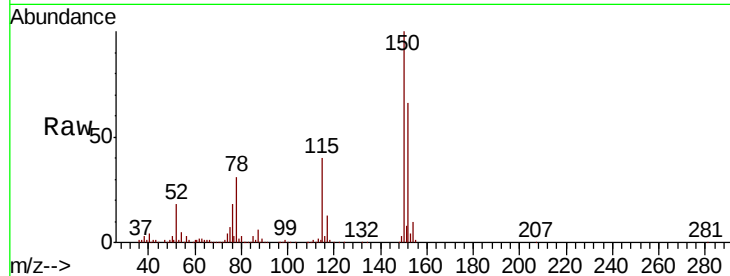


#1

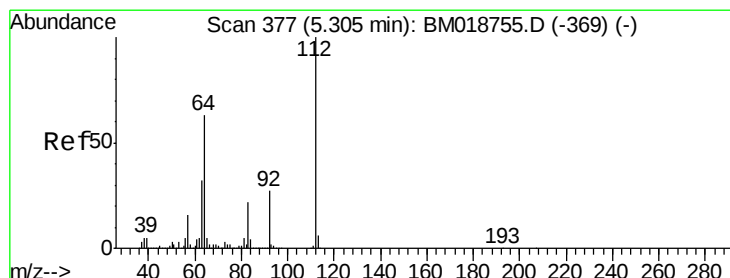
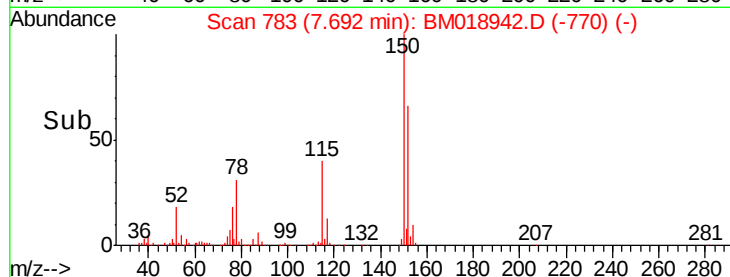
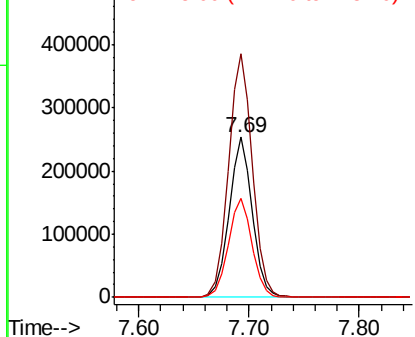
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

Instrument :
BNA_M
ClientSampleId :
OK-02-022519

Tgt Ion:152 Resp: 372794
Ion Ratio Lower Upper
152 100
150 151.9 127.3 190.9
115 61.5 50.8 76.2



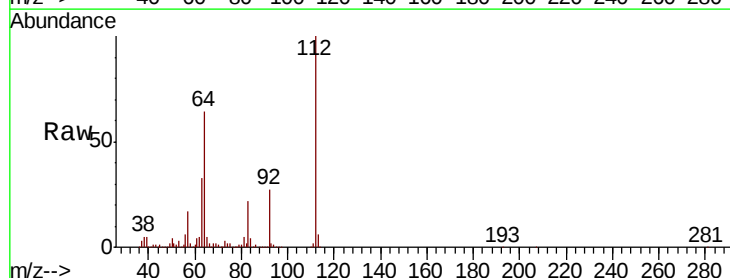
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



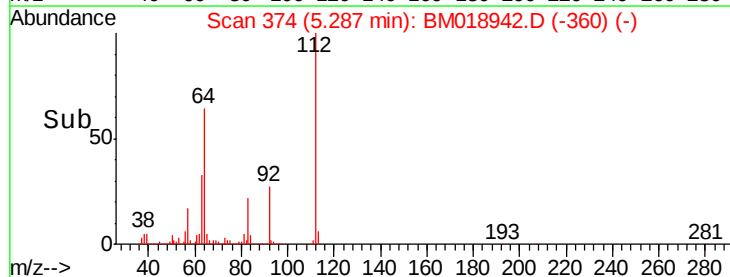
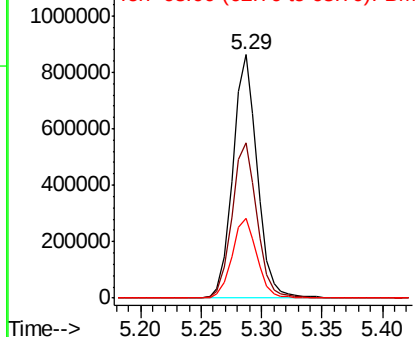
#5

2-Fluorophenol
Concen: 53.496 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

Tgt Ion:112 Resp: 1217161
Ion Ratio Lower Upper
112 100
64 63.5 50.6 75.8
63 32.7 25.7 38.5



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: 50.628 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

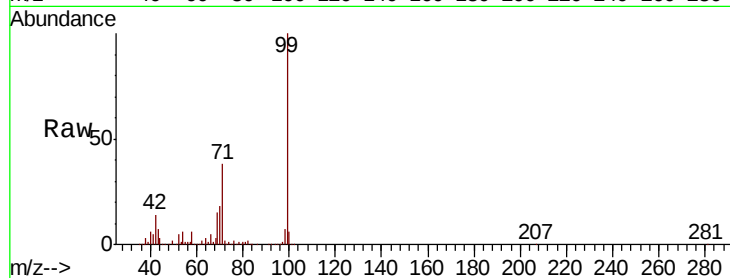
Tgt Ion: 99 Resp: 1622769

Ion Ratio Lower Upper

99 100

42 14.1 11.0 16.6

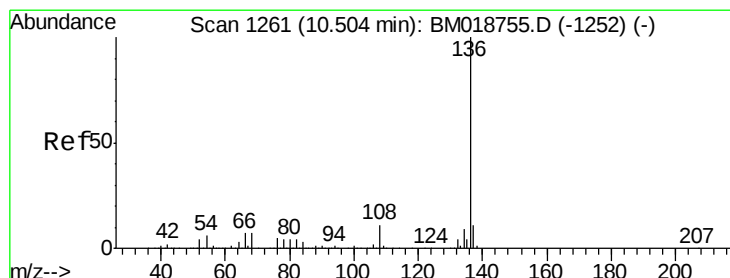
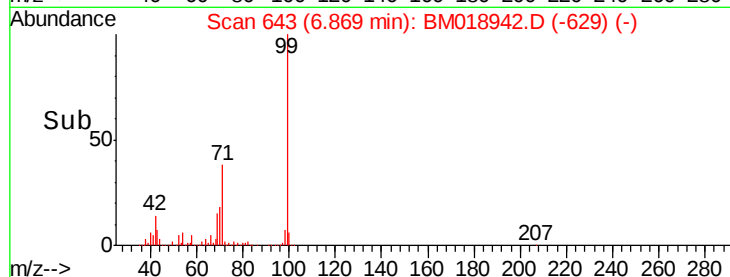
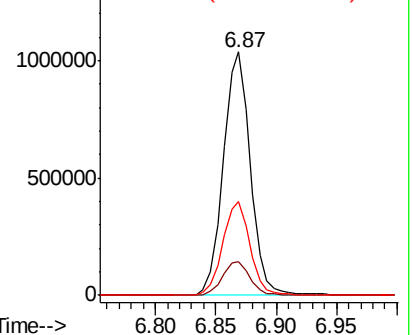
71 38.4 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Tgt Ion: 136 Resp: 1405524

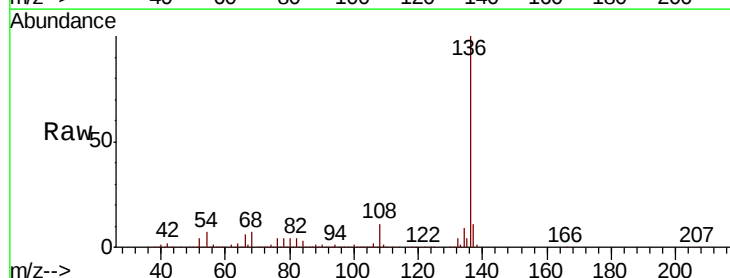
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.9 5.0 7.6

68 7.1 5.5 8.3

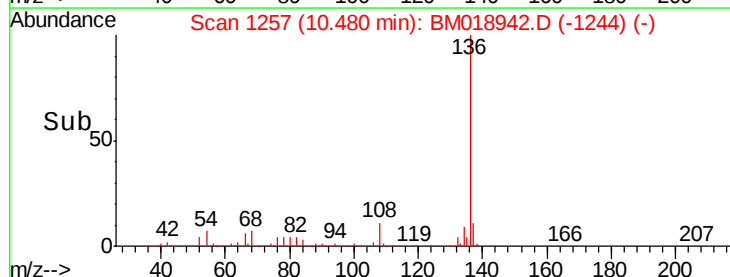
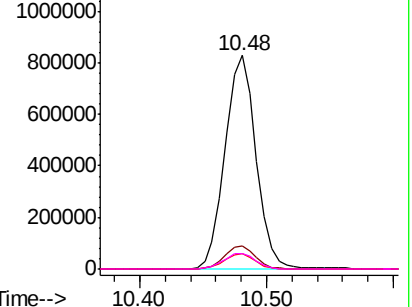


Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

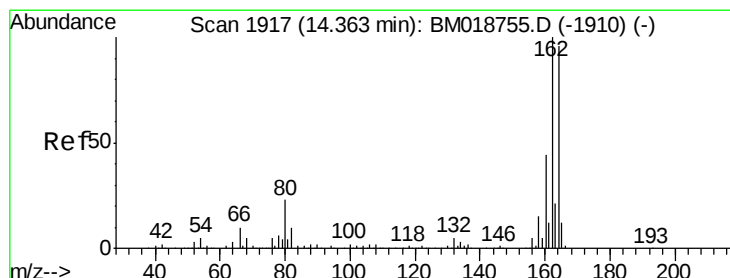
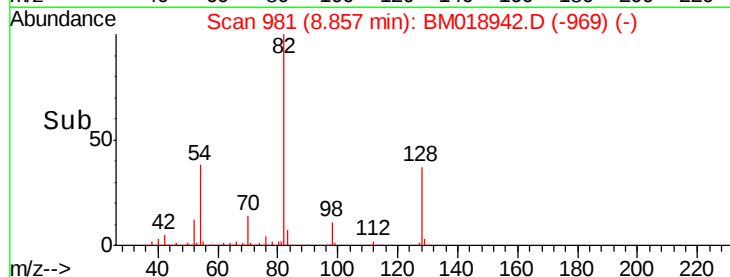
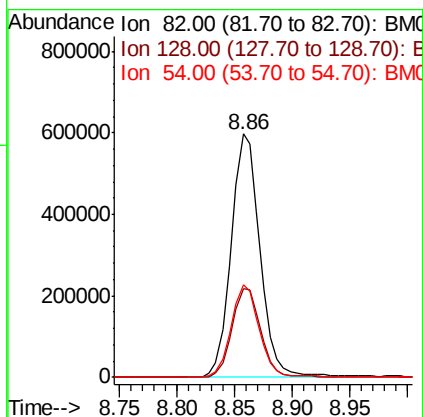
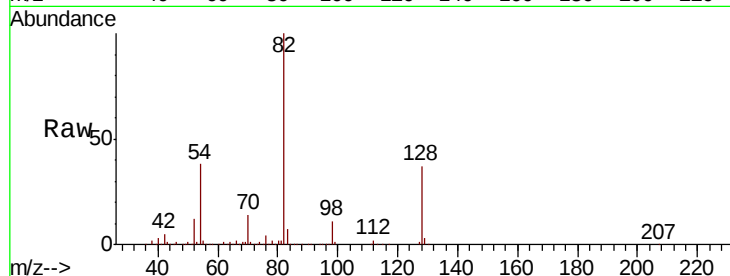




#23
Nitrobenzene-d5
Concen: 33.913 ng
RT: 8.86 min Scan# 981
Delta R.T. -0.03 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

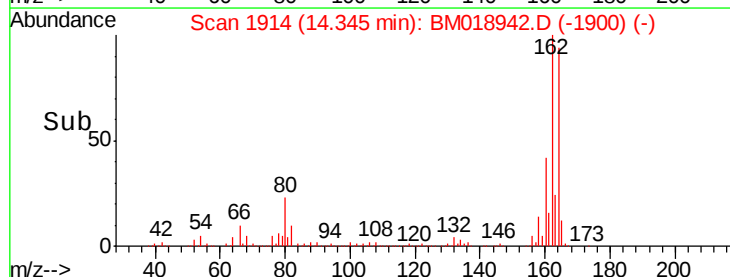
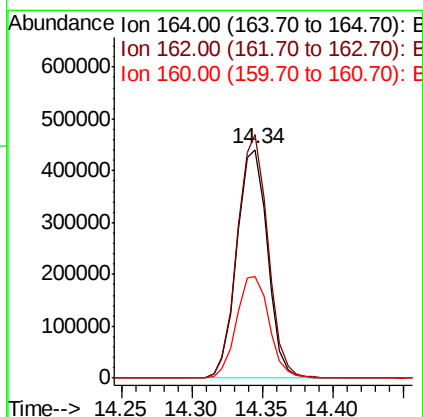
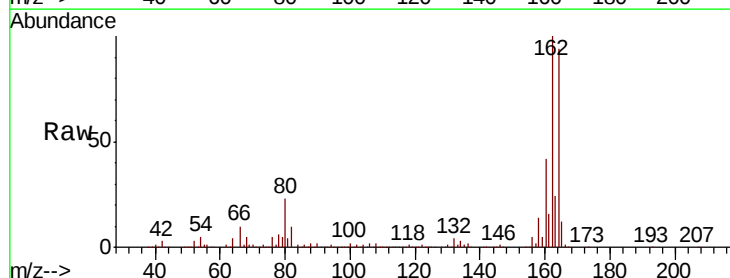
Instrument :
BNA_M
ClientSampleId :
OK-02-022519

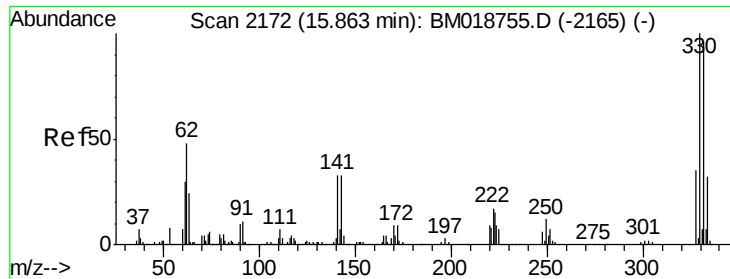
Tgt Ion: 82 Resp: 1030856
Ion Ratio Lower Upper
82 100
128 36.5 29.9 44.9
54 37.9 29.1 43.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

Tgt Ion: 164 Resp: 670054
Ion Ratio Lower Upper
164 100
162 106.6 83.4 125.0
160 44.6 36.6 55.0

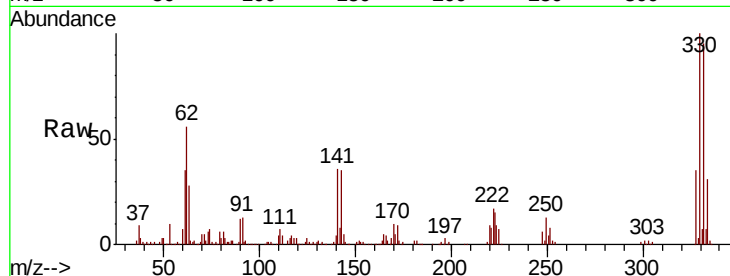




#42
 2,4,6-Tribromophenol
 Concen: 42.385 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-022519

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.9	115.3
141	36.2	28.7	43.1

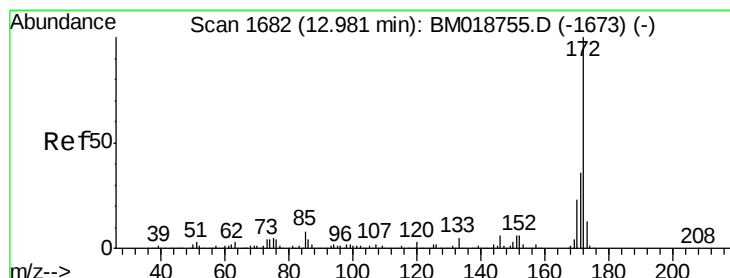
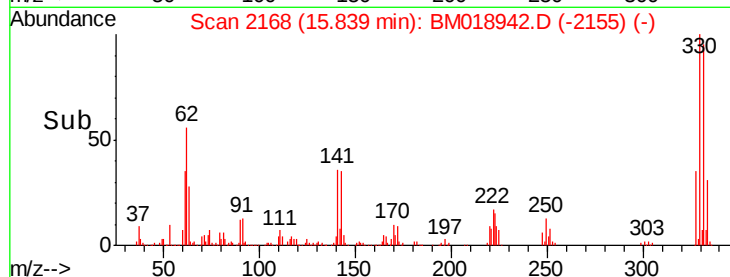
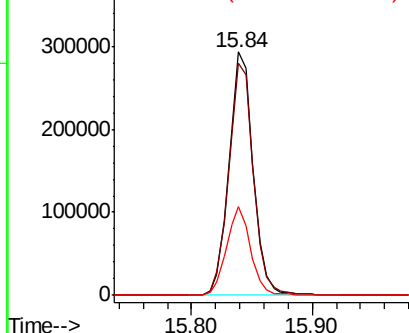


Abundance

Ion 329.80 (329.50 to 330.50): E

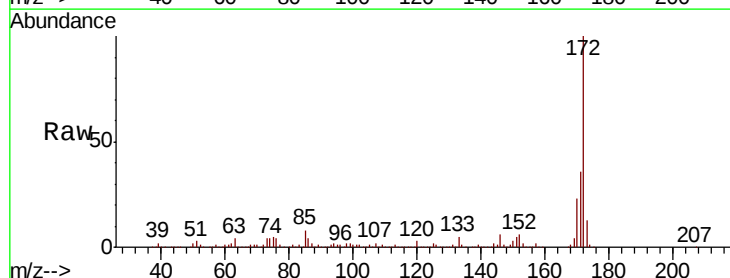
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 30.244 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.02 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.1	18.6	28.0

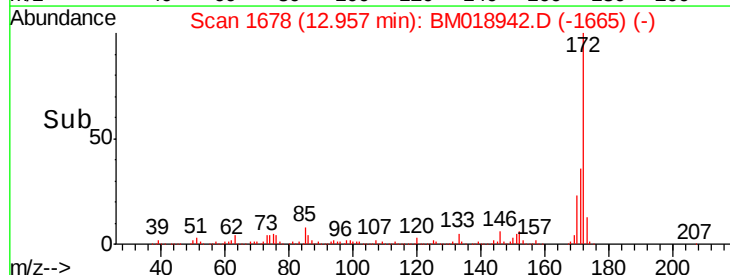
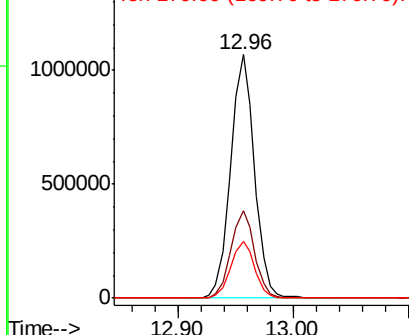


Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

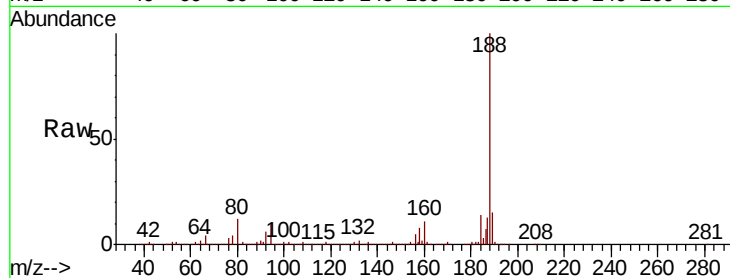
Tgt Ion:188 Resp: 1314795

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

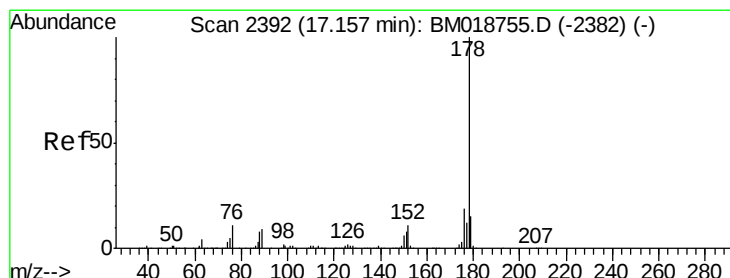
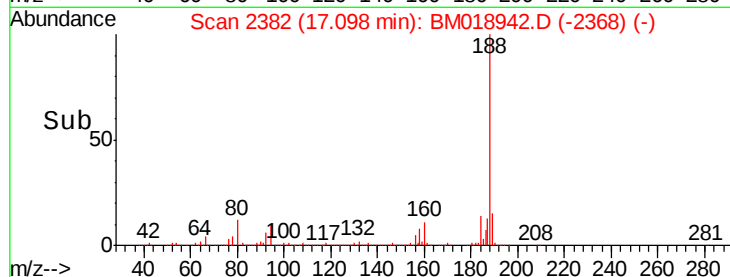
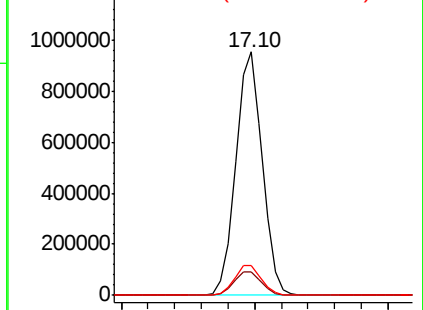
80 12.2 9.7 14.5



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: 4.717 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

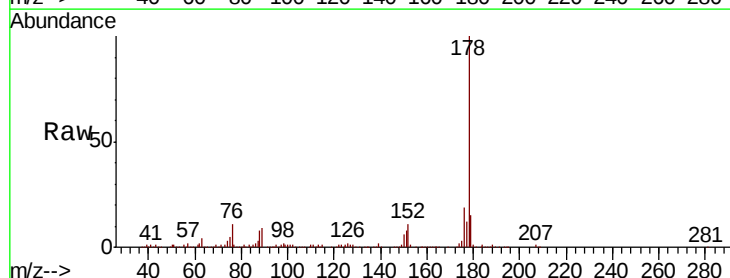
Tgt Ion:178 Resp: 333329

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

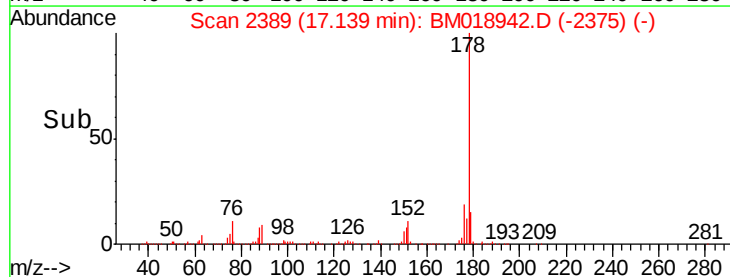
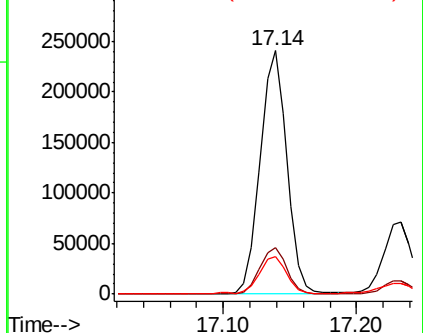
179 15.2 12.3 18.5

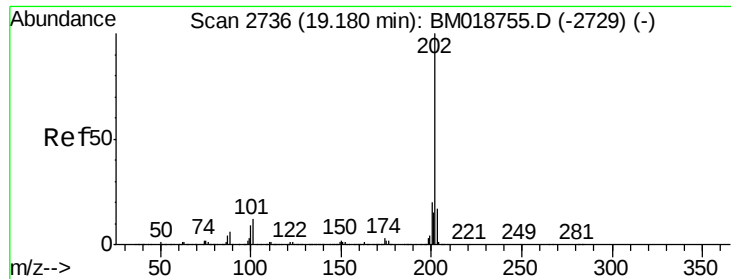


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.108 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

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Acq: 26 Feb 2019 22:50

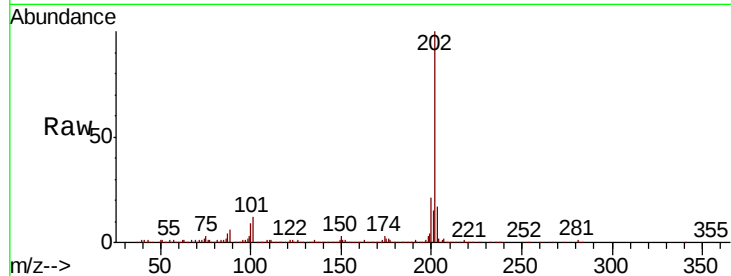
Instrument :

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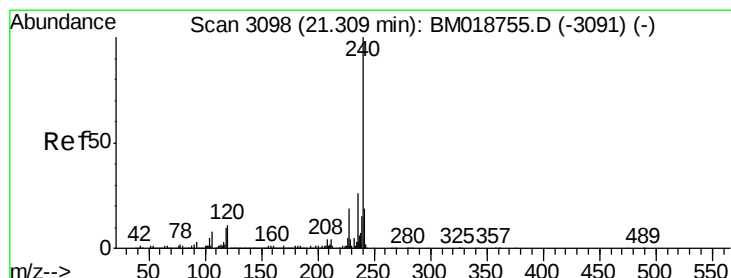
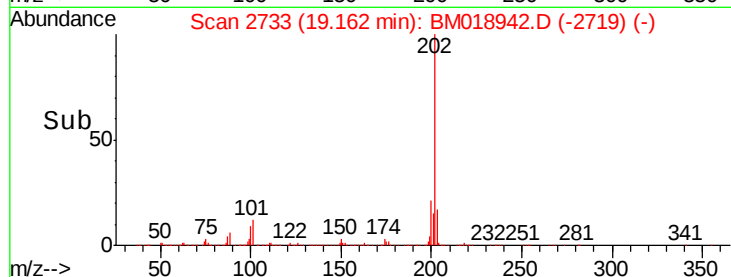
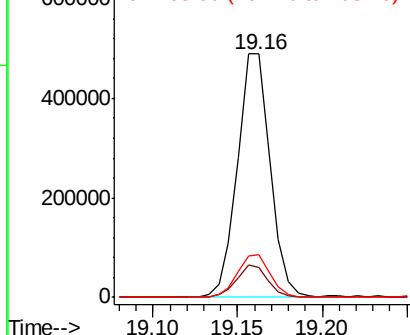
ClientSampleId :

OK-02-022519

Tgt Ion:	202	Resp:	661787
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.5
203	17.5	0.0	37.3



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

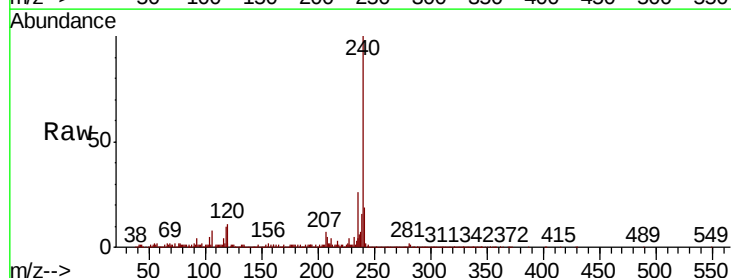
RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

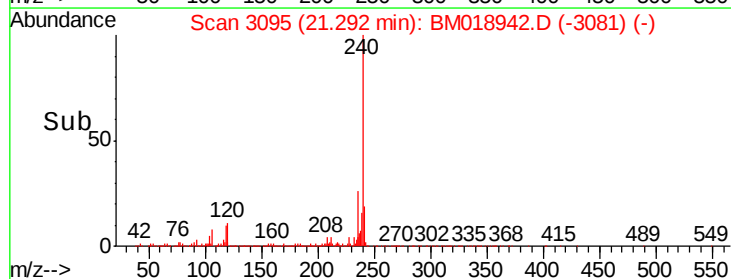
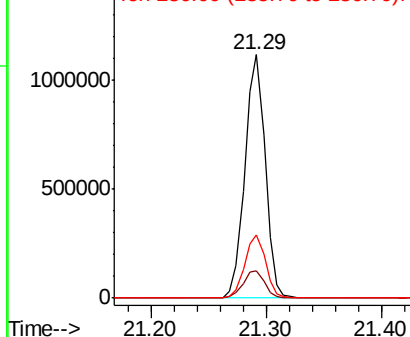
Lab File: BM018942.D

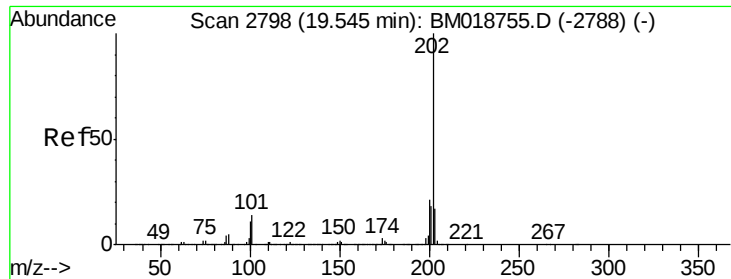
Acq: 26 Feb 2019 22:50

Tgt Ion:	240	Resp:	1358218
Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	26.0	20.9	31.3



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

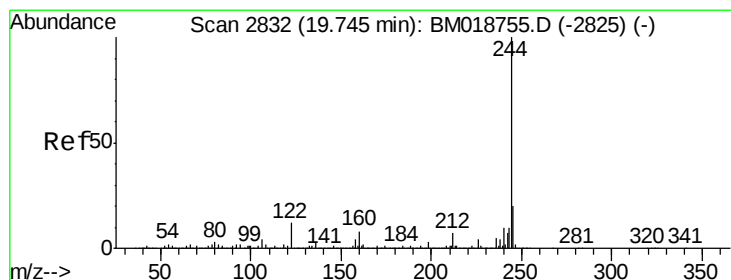
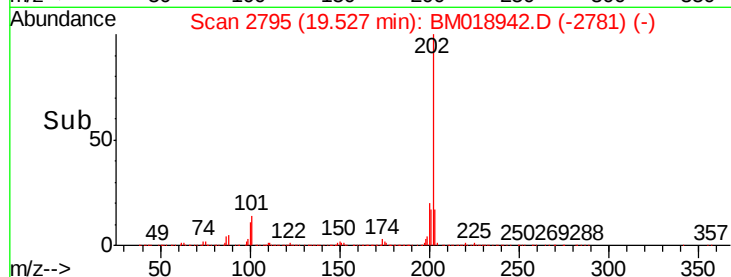
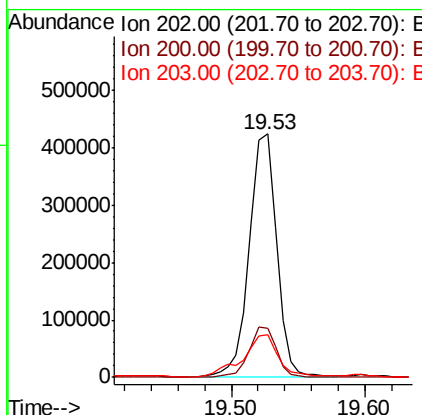
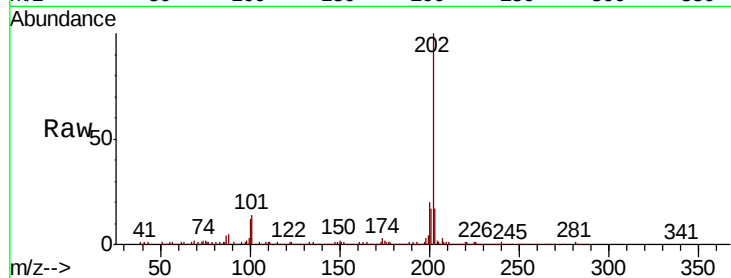




#78
 Pyrene
 Concen: 7.585 ng
 RT: 19.53 min Scan# 2795
 Delta R.T. -0.02 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

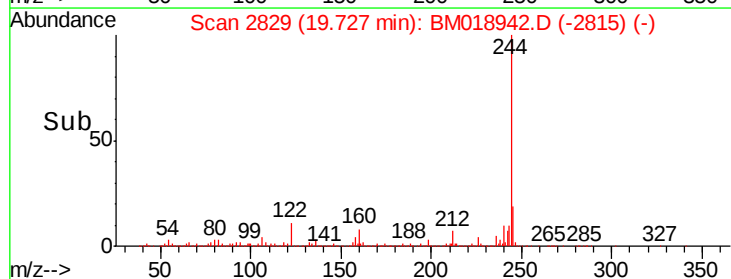
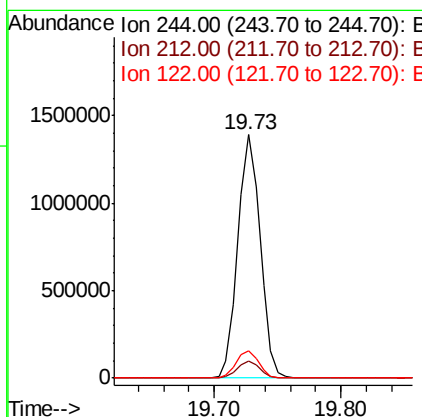
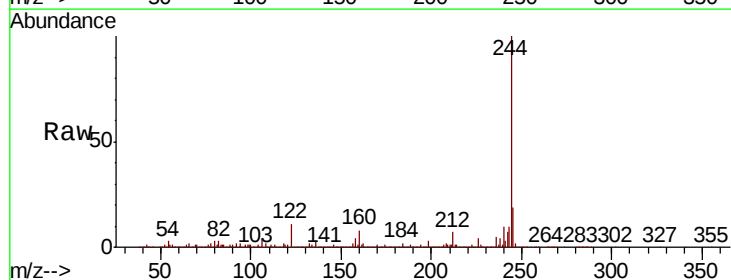
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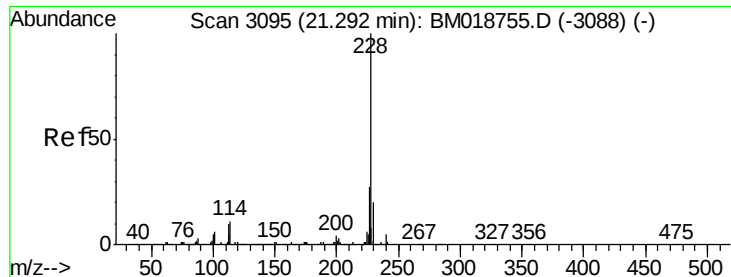
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.9	25.3
203	17.3	13.8	20.8



#79
 Terphenyl-d14
 Concen: 25.685 ng
 RT: 19.73 min Scan# 2829
 Delta R.T. -0.02 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.3	9.3	13.9





#81

Benzo(a)anthracene

Concen: 4.215 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

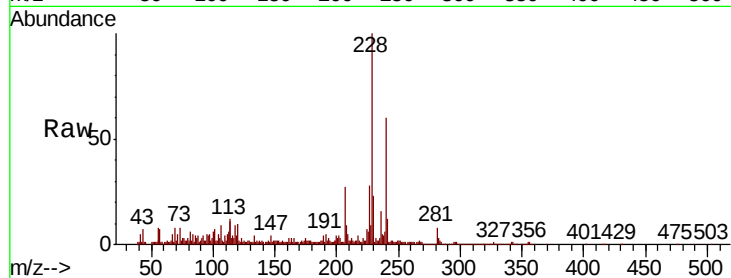
Tgt Ion:228 Resp: 333733

Ion Ratio Lower Upper

228 100

226 28.2 21.9 32.9

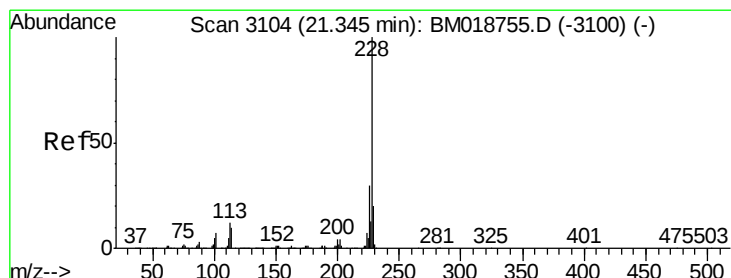
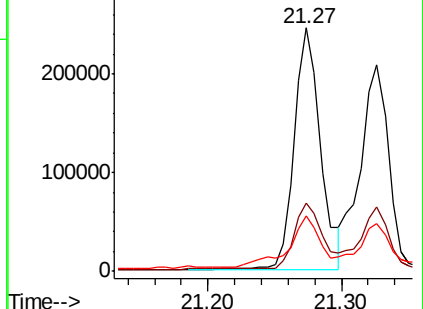
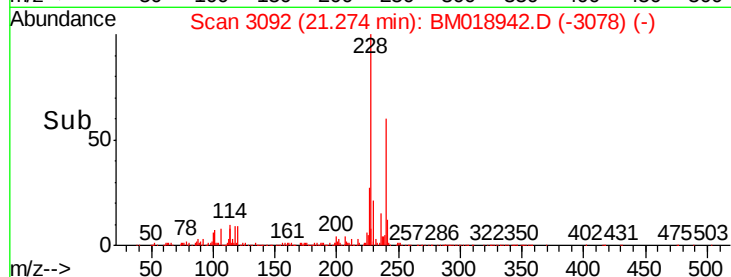
229 22.8 15.9 23.9



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: 3.978 ng

RT: 21.33 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

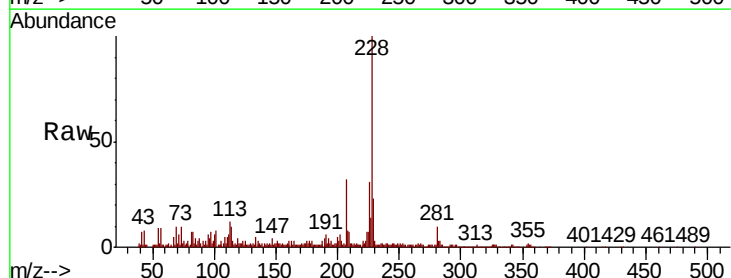
Tgt Ion:228 Resp: 301890

Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

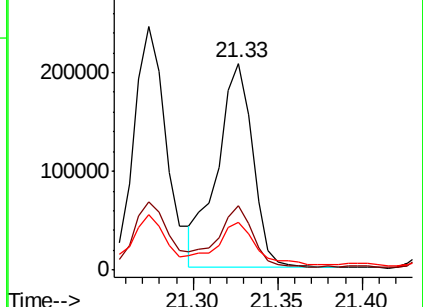
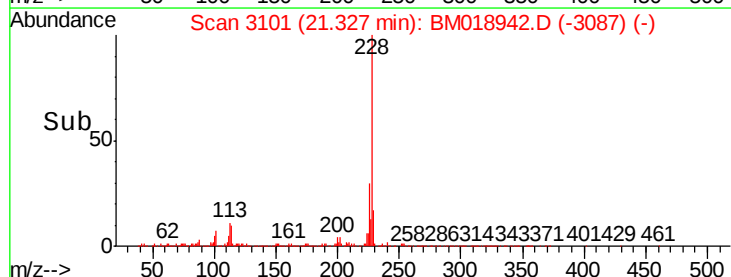
229 23.2 16.0 24.0

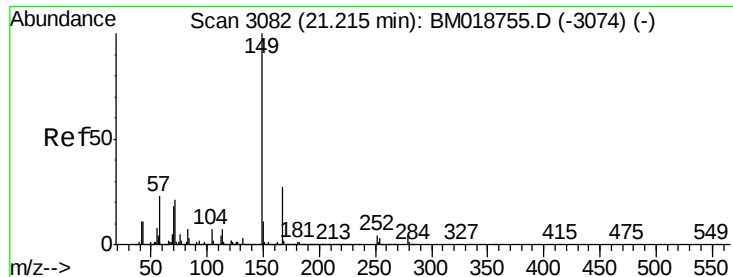


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.140 ng

RT: 21.20 min Scan# 3079

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

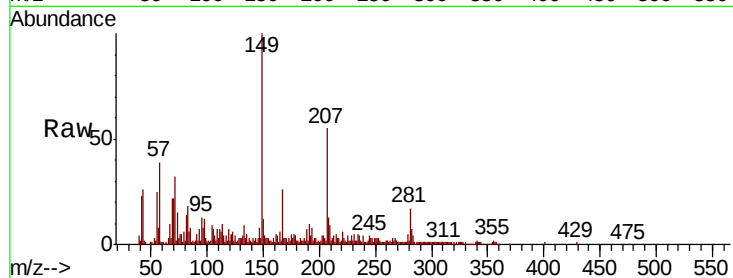
Tgt Ion:149 Resp: 112589

Ion Ratio Lower Upper

149 100

167 26.3 21.8 32.6

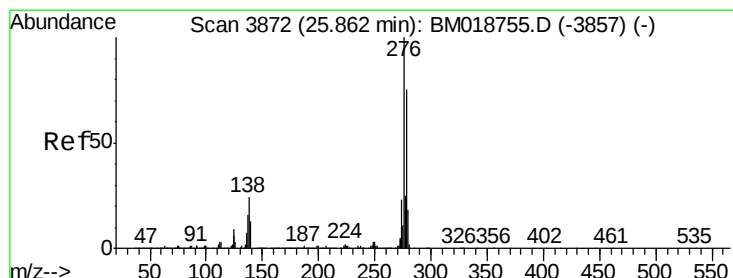
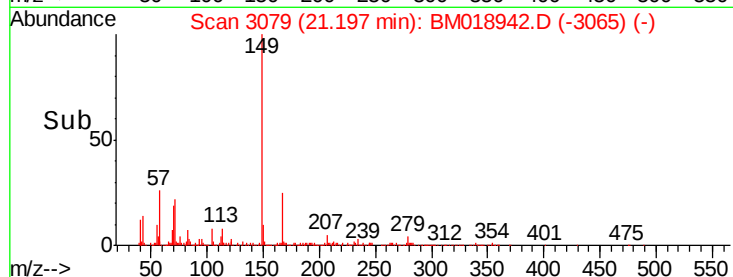
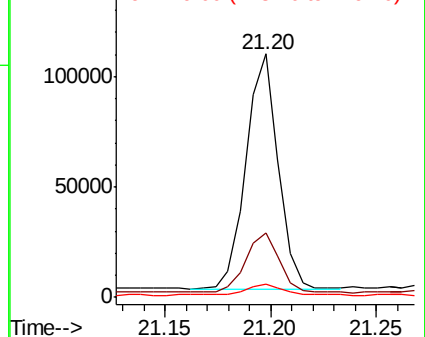
279 5.3 3.6 5.4



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: 2.685 ng

RT: 25.82 min Scan# 3865

Delta R.T. -0.04 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

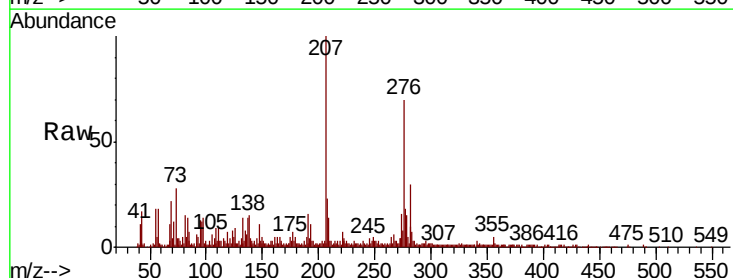
Tgt Ion:276 Resp: 235286

Ion Ratio Lower Upper

276 100

138 21.2 20.2 30.4

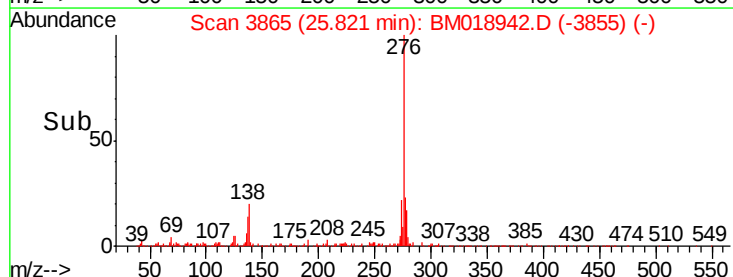
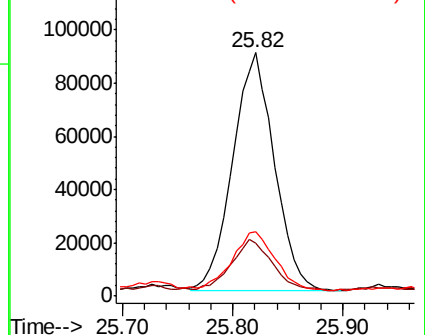
277 25.5 20.3 30.5

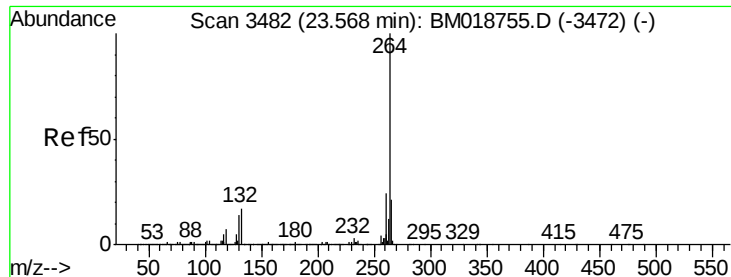


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

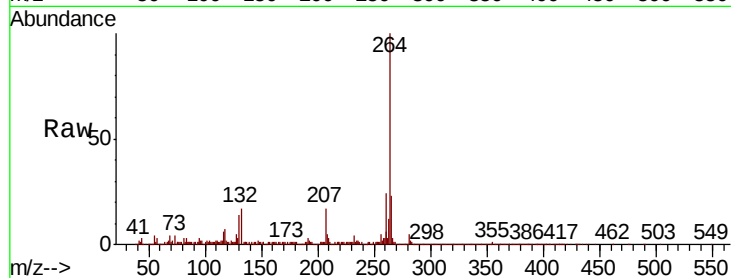
Tgt Ion:264 Resp: 1500252

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

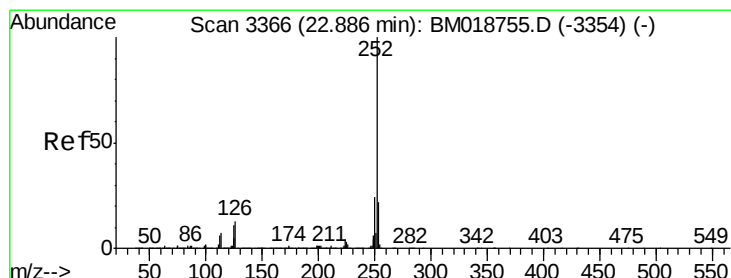
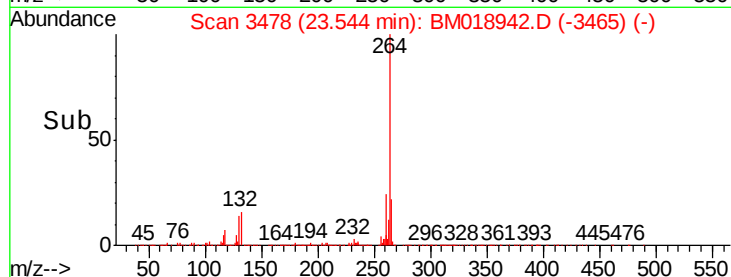
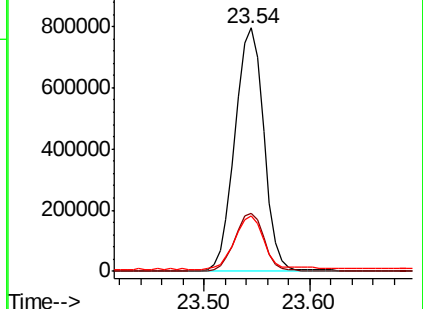
265 22.5 17.3 25.9



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: 6.869 ng

RT: 22.86 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

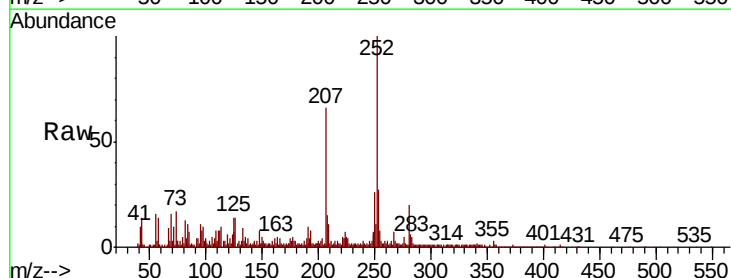
Tgt Ion:252 Resp: 589564

Ion Ratio Lower Upper

252 100

253 27.3 17.8 26.6#

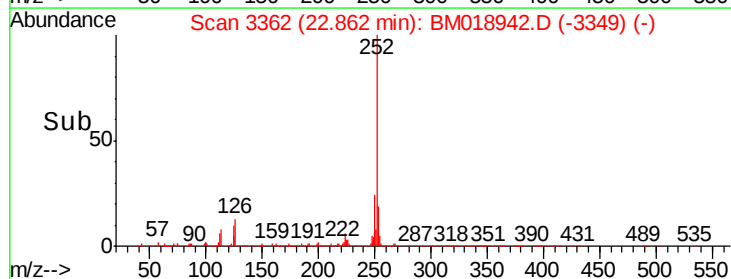
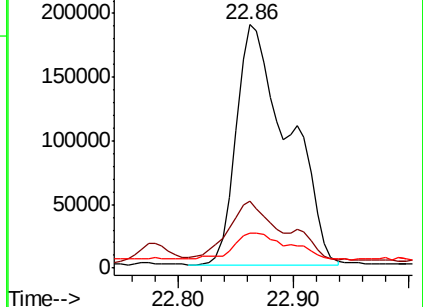
125 14.1 8.6 12.8#

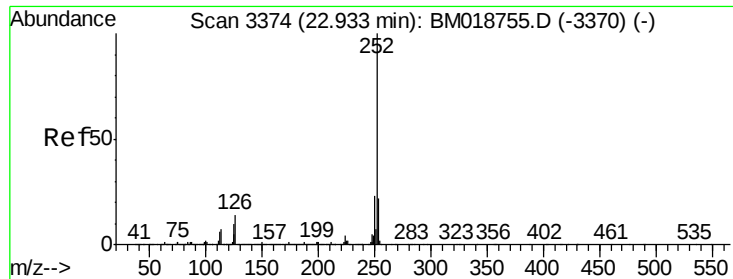


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.856 ng

RT: 22.86 min Scan# 3362

Delta R.T. -0.07 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

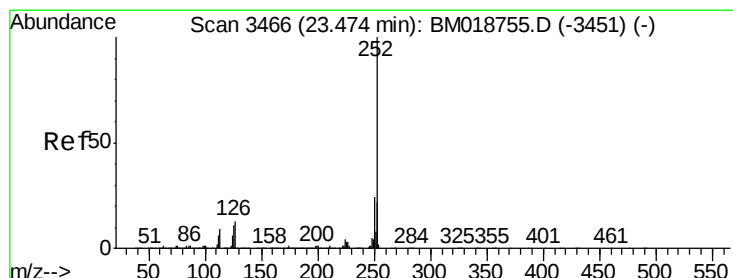
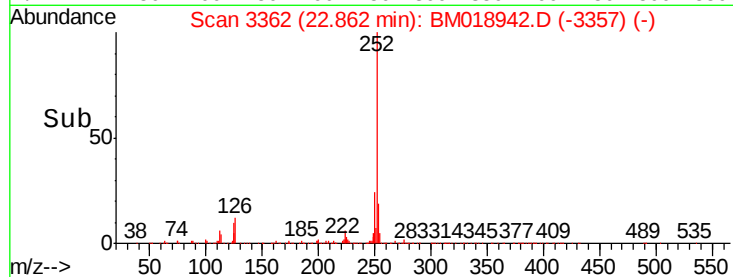
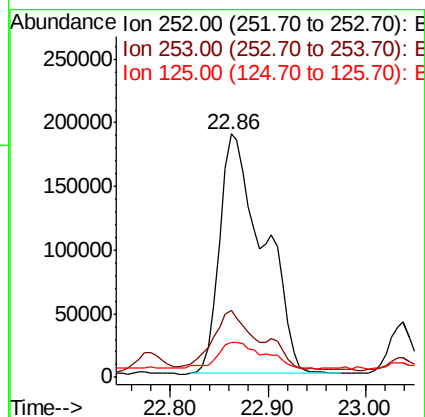
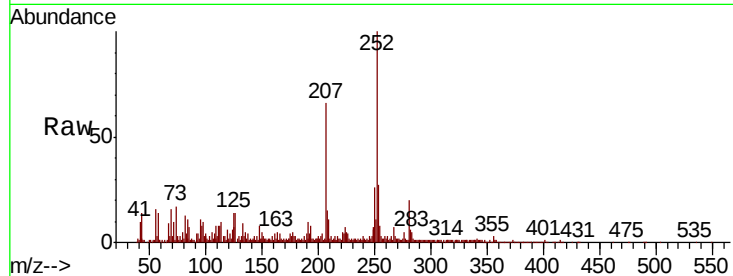
Tgt Ion:252 Resp: 585887

Ion Ratio Lower Upper

252 100

253 27.3 17.7 26.5#

125 14.1 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 4.095 ng

RT: 23.44 min Scan# 3461

Delta R.T. -0.03 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

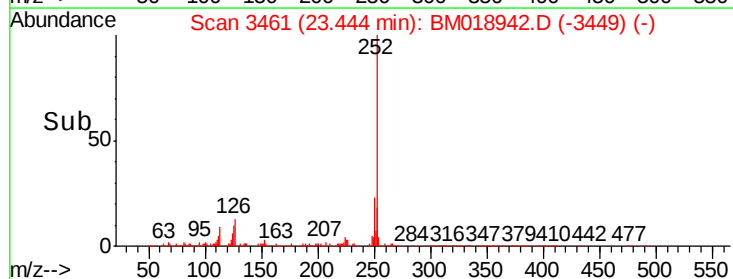
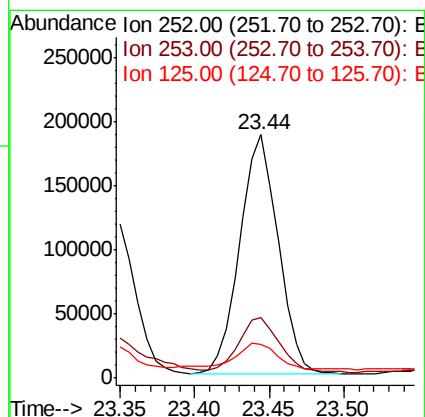
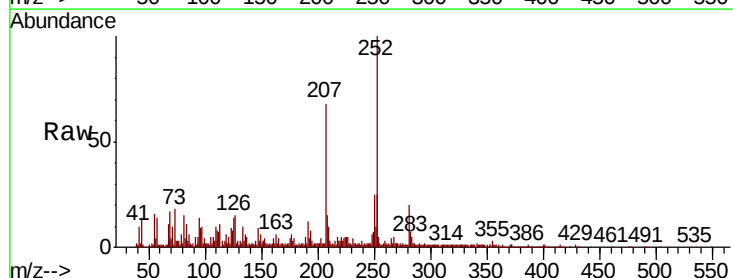
Tgt Ion:252 Resp: 332972

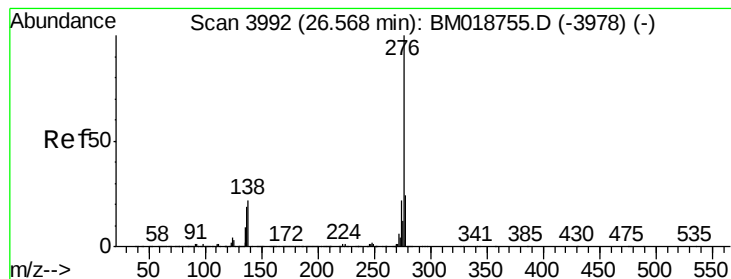
Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 13.8 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 3.223 ng

RT: 26.53 min Scan# 3985

Delta R.T. -0.04 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

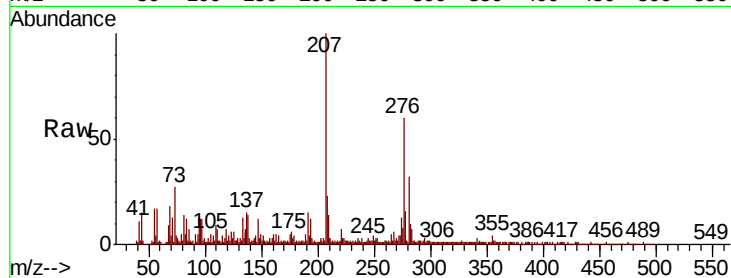
Tgt Ion:276 Resp: 241708

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 23.4 17.3 25.9



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

