

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
 Data File : BM018925.D
 Acq On : 25 Feb 2019 22:11
 Operator : JU/SJ
 Sample : K1348-03RE 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-03-022219-ARE

Manual Integrations
 APPROVED

Sohil
 2/26/2019 12:06:19 PM

Quant Time: Feb 26 00:22:31 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	221225	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	896084	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	489842	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1014799	20.00	ng	-0.02
76) Chrysene-d12	21.30	240	917385	20.00	ng	-0.01
87) Perylene-d12	23.55	264	1073557	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	678703	50.27	ng	-0.02
7) Phenol-d6	6.87	99	935791	49.20	ng	-0.02
23) Nitrobenzene-d5	8.86	82	601799	31.05	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	291417	41.27	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1042664	28.26	ng	-0.02
79) Terphenyl-d14	19.73	244	1191779	26.80	ng	-0.01
Target Compounds						
71) Phenanthrene	17.14	178	799502	14.660	ng	Qvalue 100
72) Anthracene	17.23	178	165837	3.124	ng	100
75) Fluoranthene	19.16	202	1141577	18.121	ng	98
78) Pyrene	19.53	202	904350	16.973	ng	99
81) Benzo(a)anthracene	21.28	228	484573	9.061	ng	98
83) Chrysene	21.33	228	407004	7.941	ng	96
86) Indeno(1,2,3-cd)pyrene	25.83	276	287101	4.852	ng	97
88) Benzo(b)fluoranthene	22.87	252	586115m	9.542	ng	
89) Benzo(k)fluoranthene	22.91	252	219210m	3.585	ng	
90) Benzo(a)pyrene	23.45	252	421631	7.246	ng	# 93
92) Benzo(g,h,i)perylene	26.53	276	272816	5.083	ng	96

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

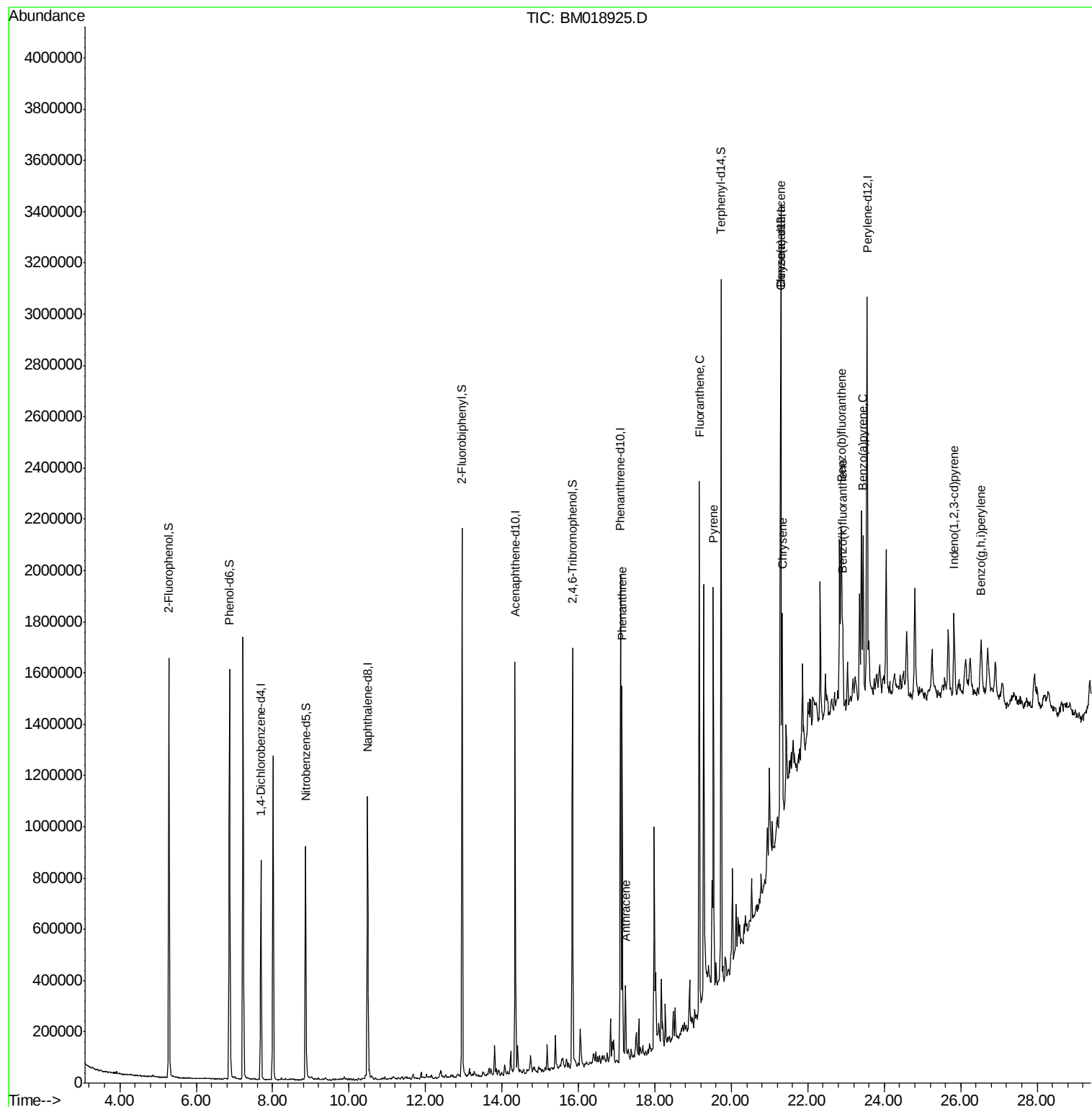
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
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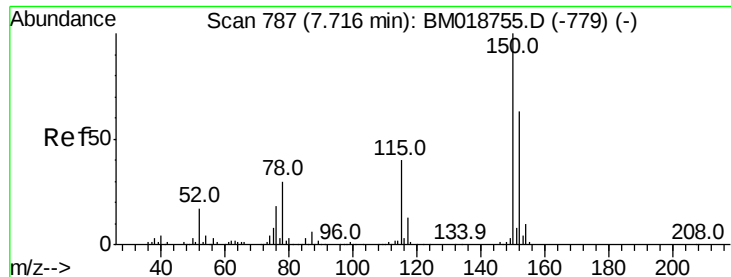
Instrument :
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OK-03-022219-ARE

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Quant Time: Feb 26 00:22:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

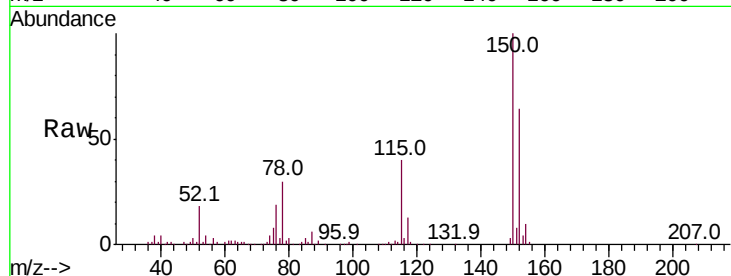
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.3	190.9
115	61.8	50.8	76.2

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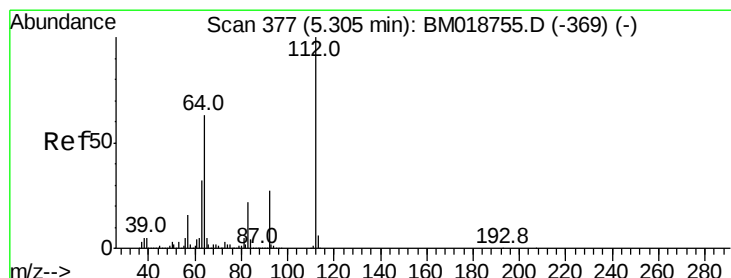
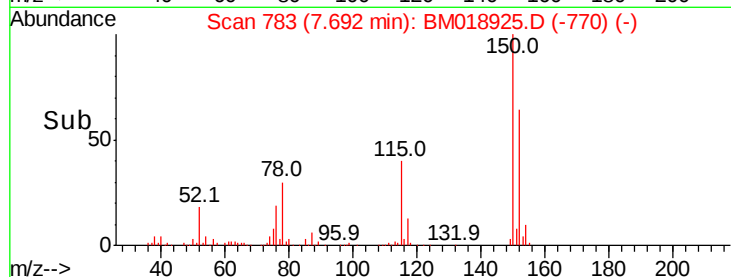
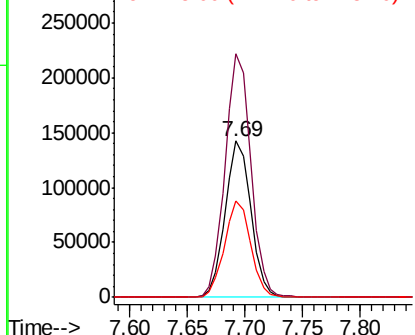


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

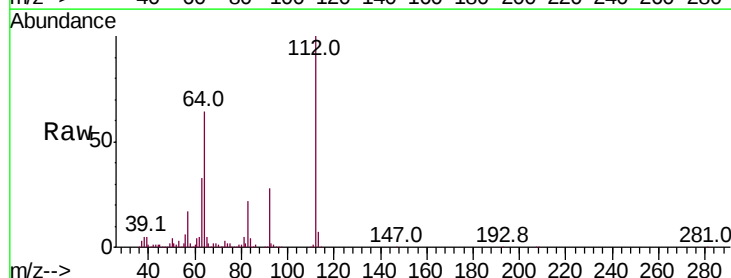
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.267 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	50.6	75.8
63	32.5	25.7	38.5

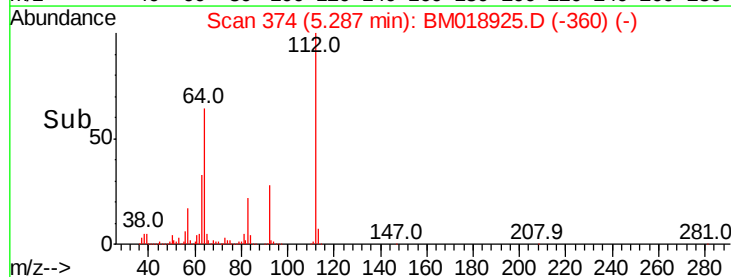
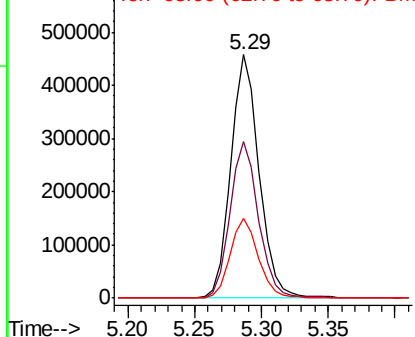


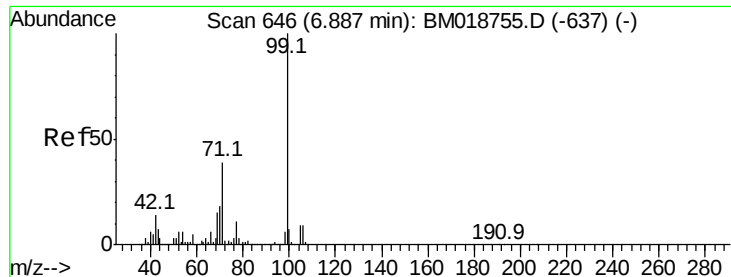
Abundance

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: 49.198 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

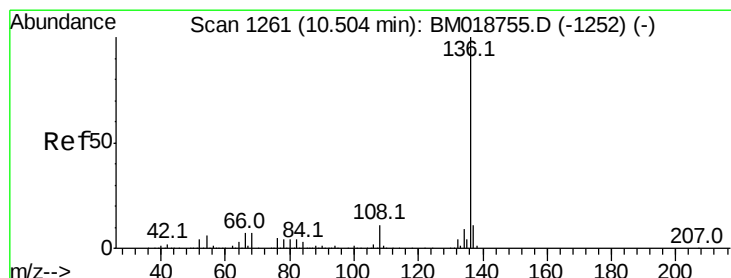
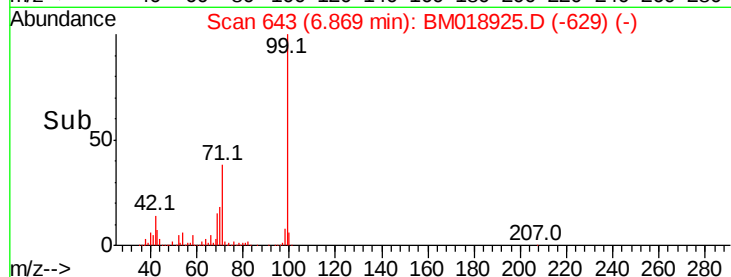
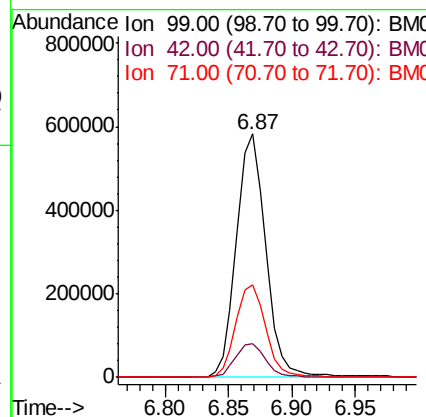
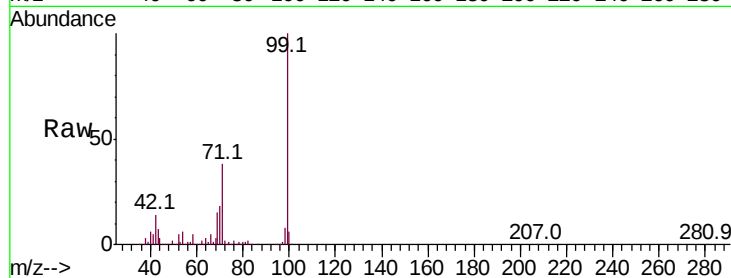
ClientSampleId :

OK-03-022219-ARE

Tot Ion:	99	Resp:	935791
Ion Ratio	Lower	Upper	
99	100		
42	14.0	11.0	16.6
71	38.0	31.3	46.9

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#21

Naphthalene-d8

Concen: 20.000 ng

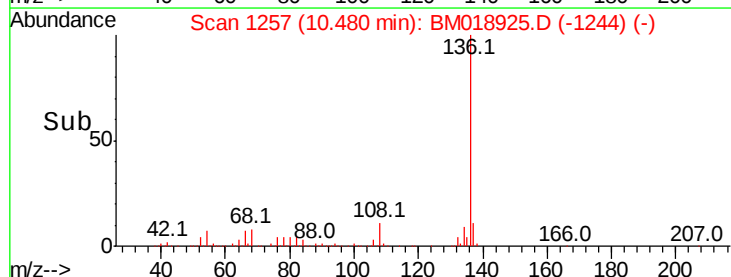
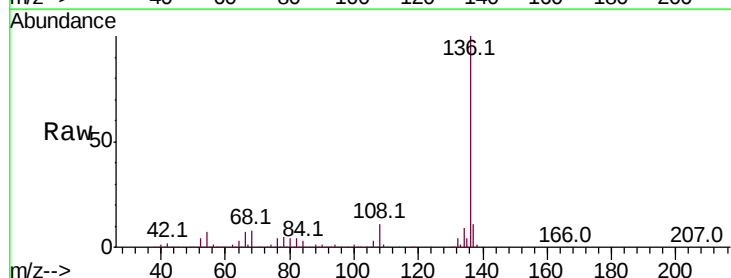
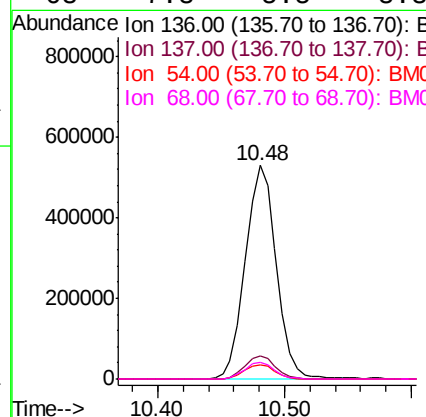
RT: 10.48 min Scan# 1257

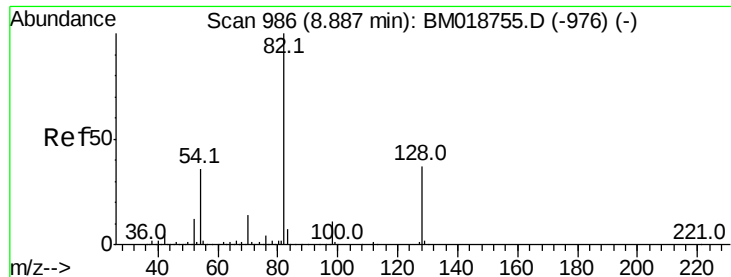
Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Tgt Ion:	136	Resp:	896084
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	6.6	5.0	7.6
68	7.8	5.5	8.3





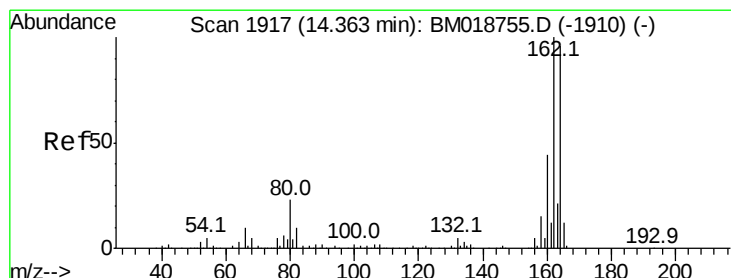
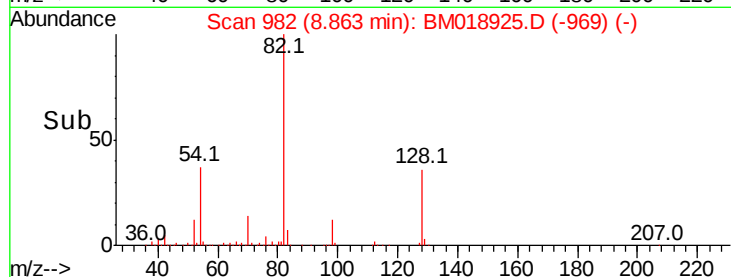
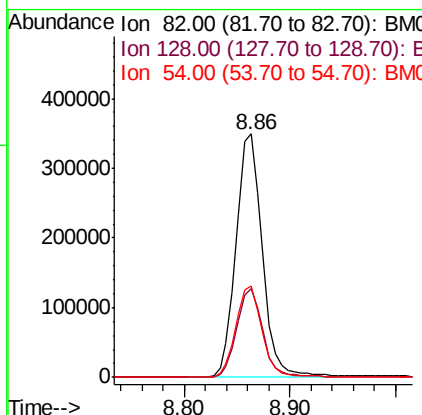
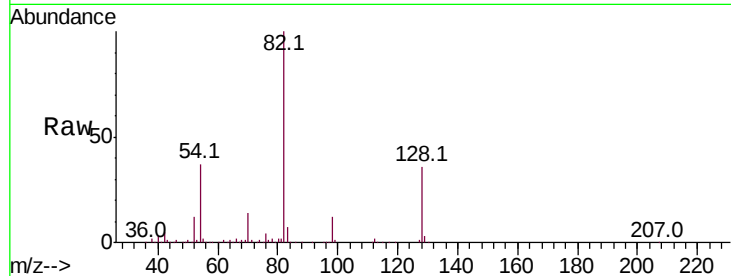
#23
Nitrobenzene-d5
Concen: 31.053 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-ARE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.2	29.9	44.9	
54	37.3	29.1	43.7	

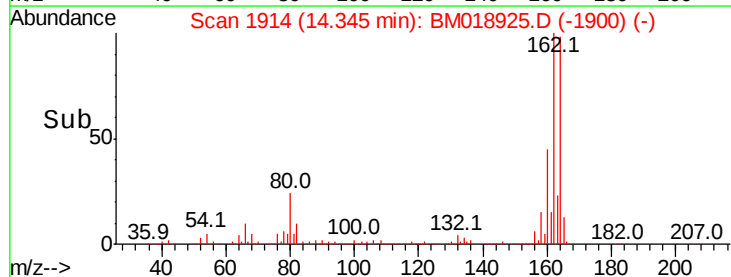
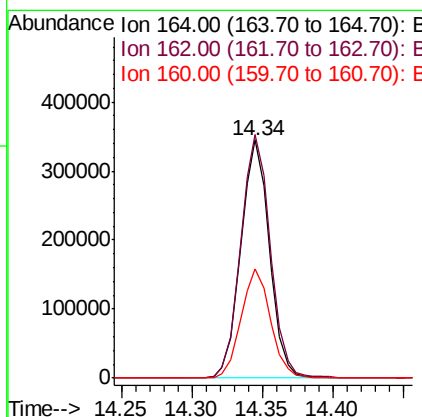
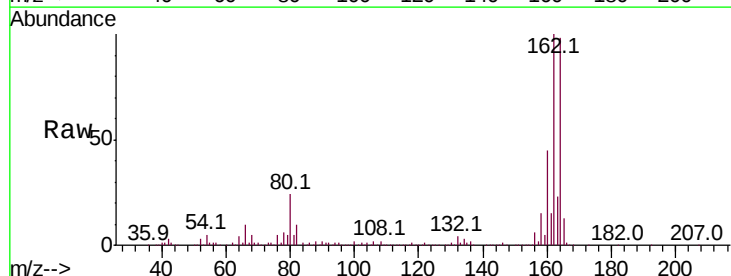
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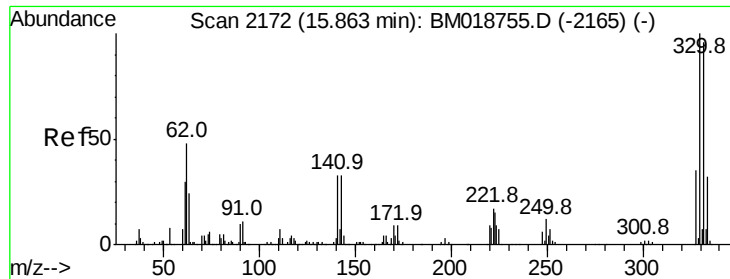
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	83.4	125.0	
160	46.1	36.6	55.0	





#42

2,4,6-Tribromophenol

Concen: 41.272 ng

RT: 15.84 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

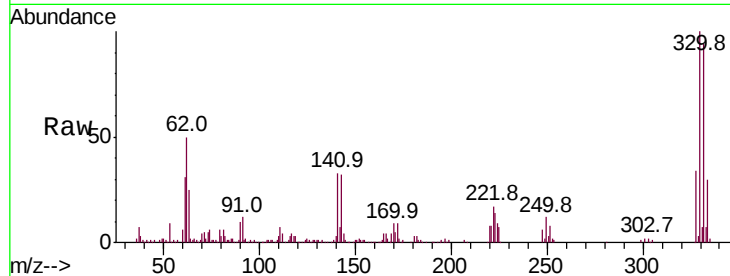
ClientSampleId :

OK-03-022219-ARE

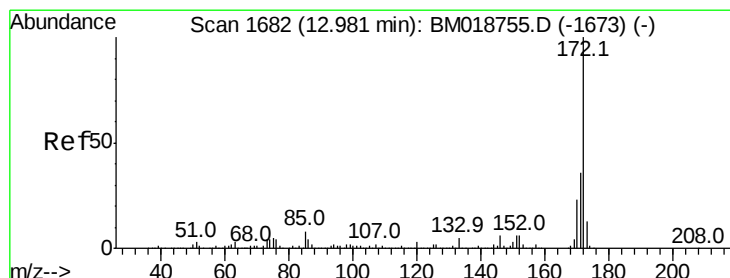
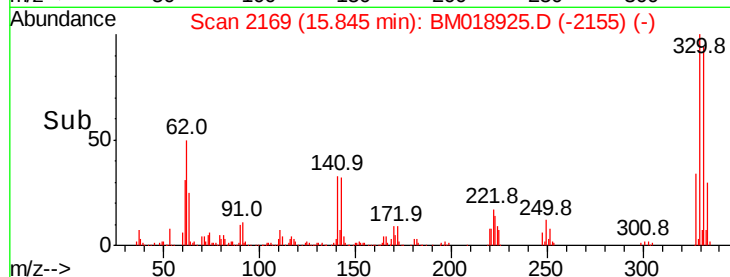
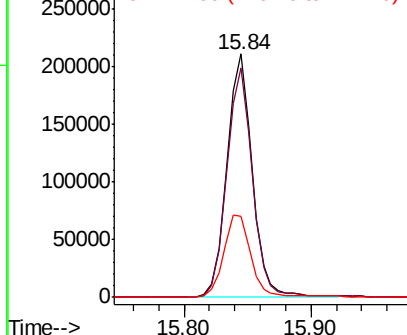
Tot Ion:	330	Resp:	291417
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.9	115.3
141	35.8	28.7	43.1

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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: 28.256 ng

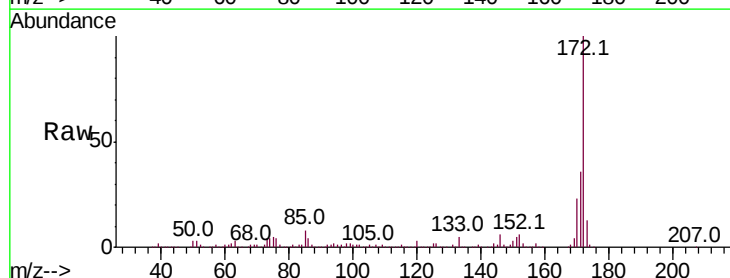
RT: 12.96 min Scan# 1678

Delta R.T. -0.02 min

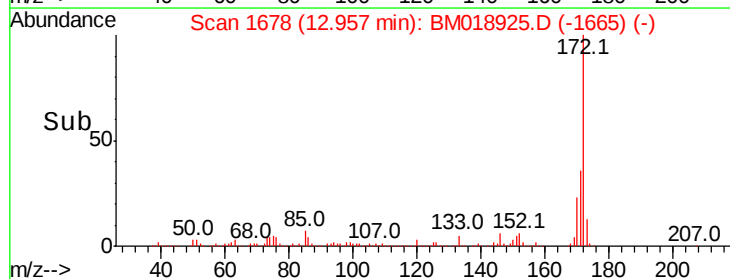
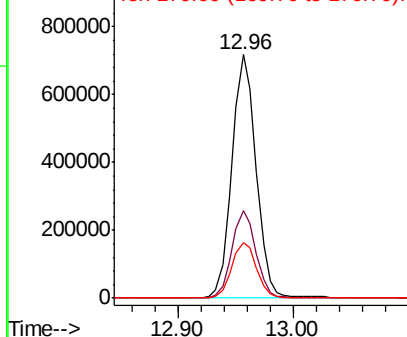
Lab File: BM018925.D

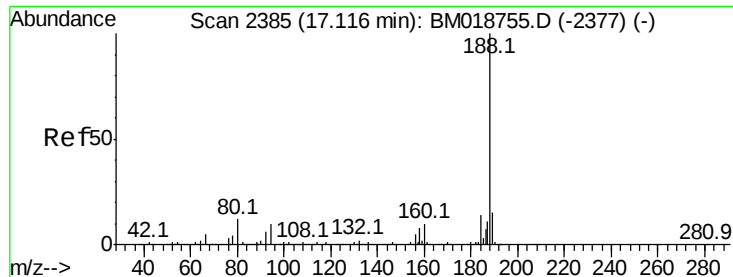
Acq: 25 Feb 2019 22:11

Tgt Ion:	172	Resp:	1042664
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.0	43.6
170	23.0	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: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

Tot Ion:188 Resp: 1014799

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

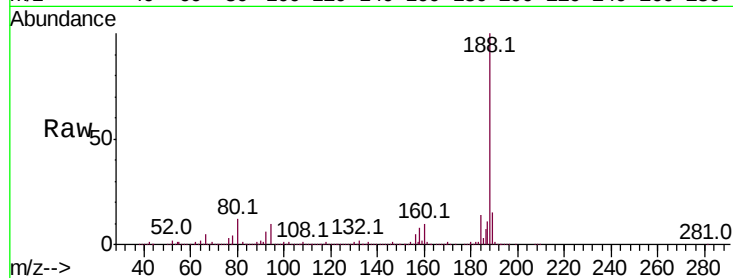
80 12.1 9.7 14.5

Manual Integrations

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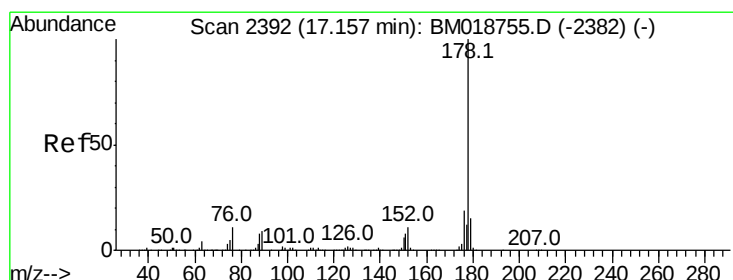
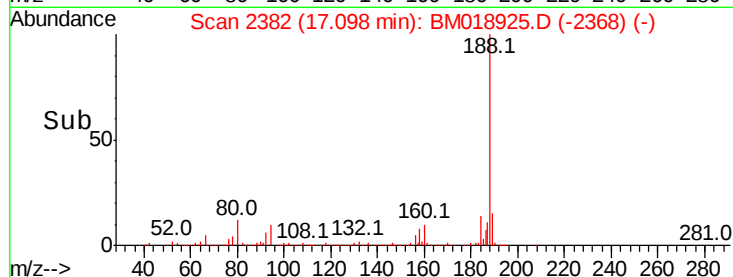
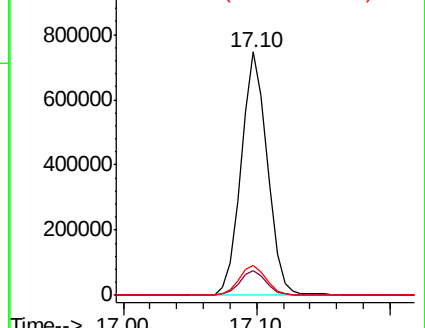
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 14.660 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

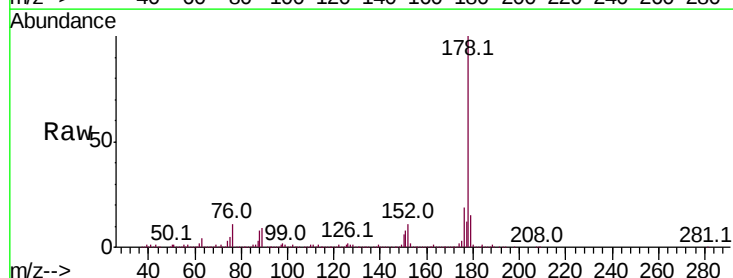
Tgt Ion:178 Resp: 799502

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

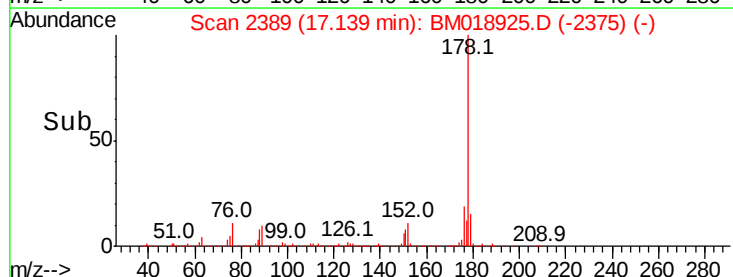
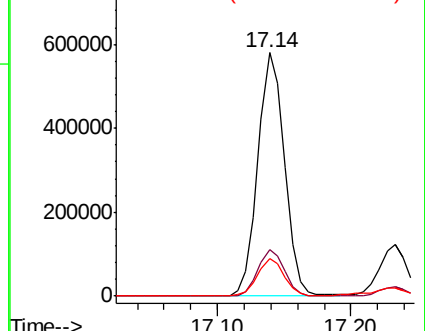
179 15.2 12.3 18.5

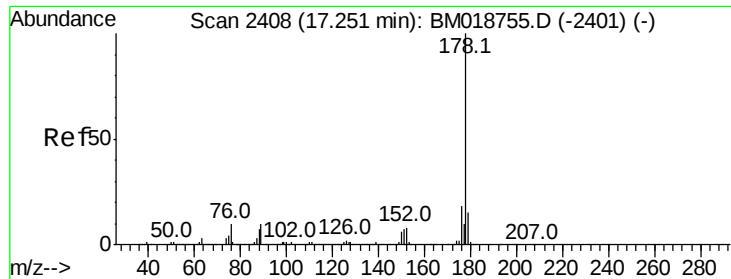


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.124 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

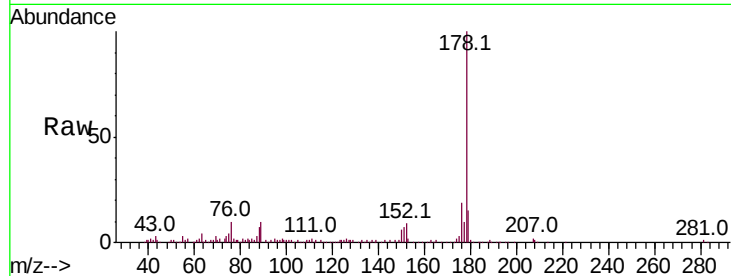
ClientSampleId :

OK-03-022219-ARE

Tot Ion:	178	Resp:	165837
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.8	22.2
179	15.3	12.1	18.1

Manual Integrations
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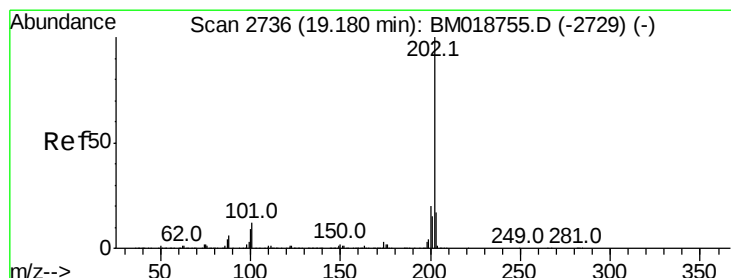
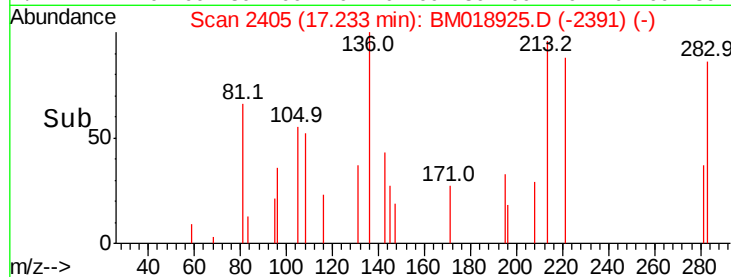
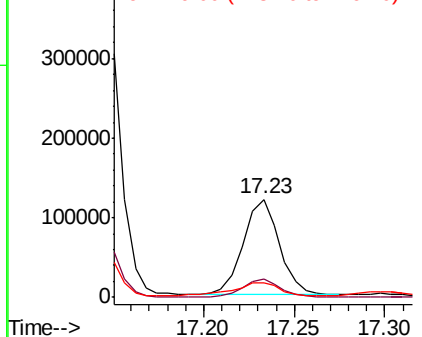


Abundance

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: 18.121 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

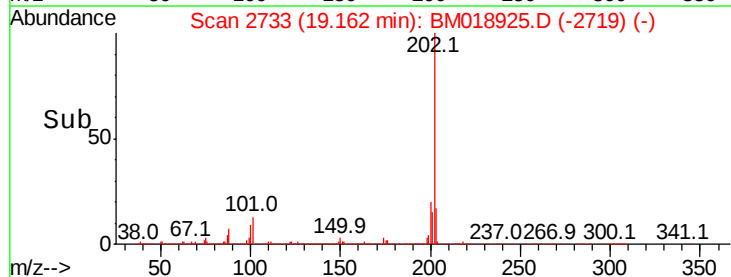
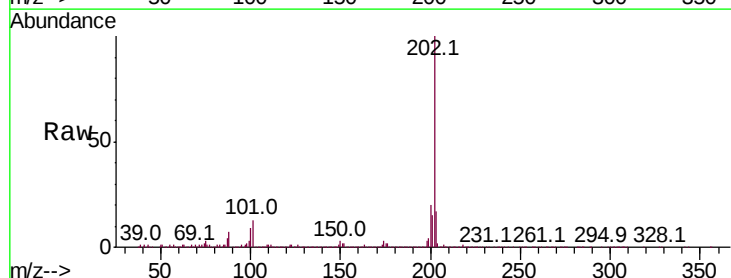
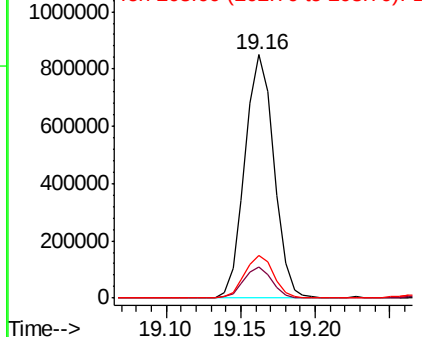
Tgt Ion:	202	Resp:	1141577
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	31.5
203	17.5	0.0	37.3

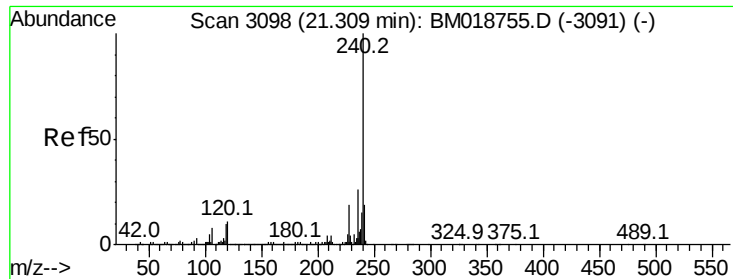
Abundance

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: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

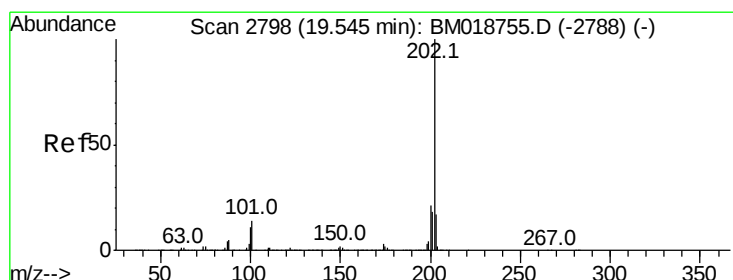
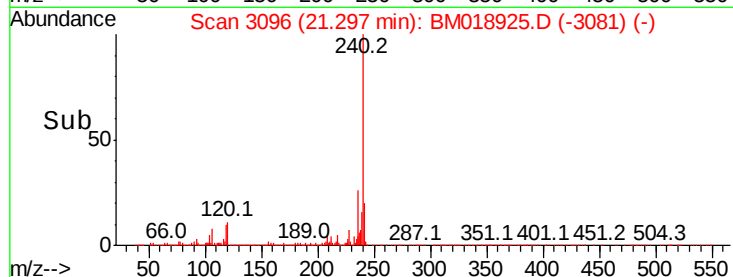
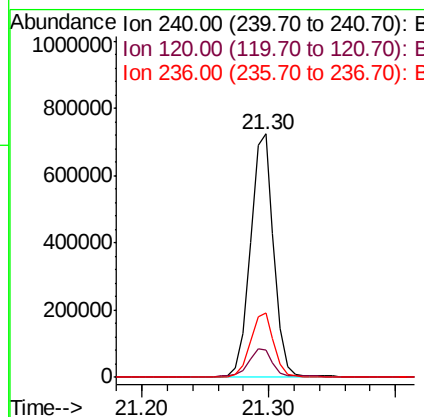
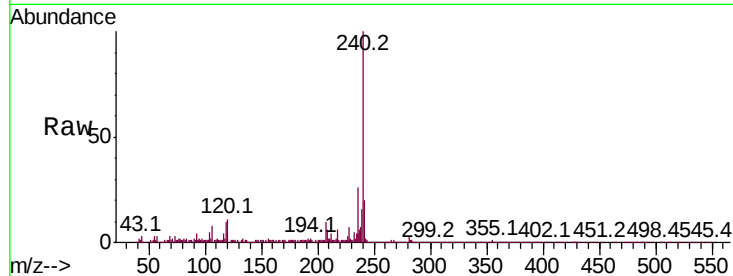
ClientSampleId :

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Tot Ion:	240	Resp:	917385
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.9	13.3
236	26.3	20.9	31.3

Manual Integrations
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#78

Pyrene

Concen: 16.973 ng

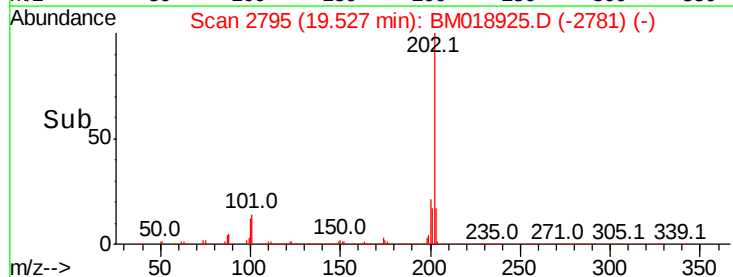
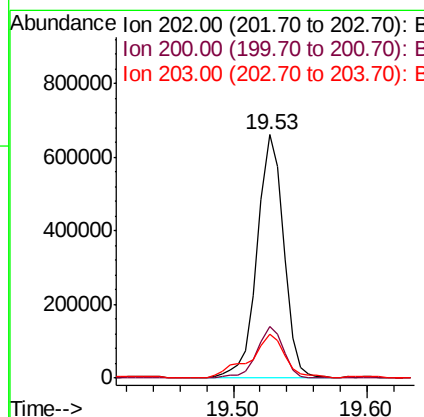
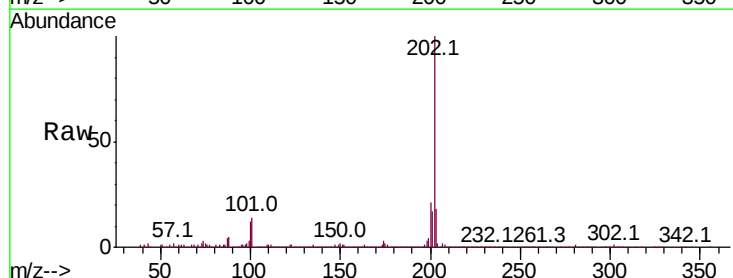
RT: 19.53 min Scan# 2795

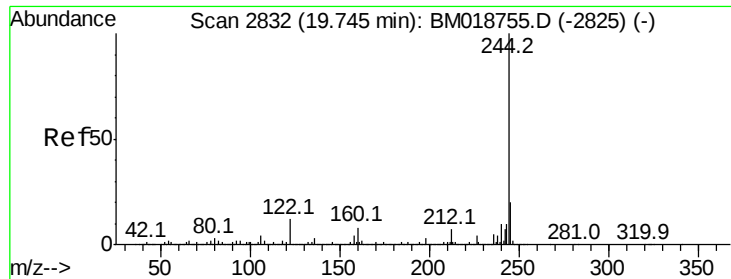
Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Tgt Ion:	202	Resp:	904350
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.9	25.3
203	17.9	13.8	20.8





#79
 Terphenyl-d14
 Concen: 26.799 ng
 RT: 19.73 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BM018925.D
 Acq: 25 Feb 2019 22:11

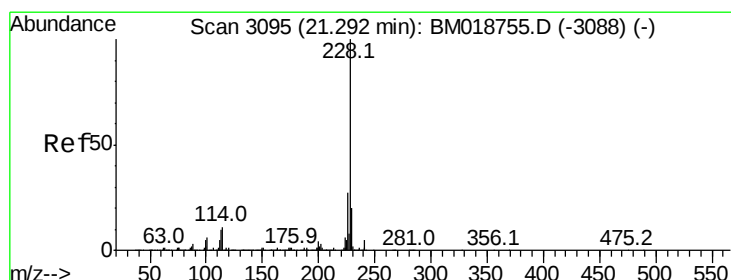
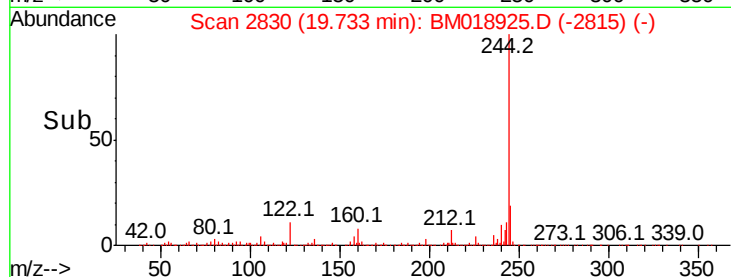
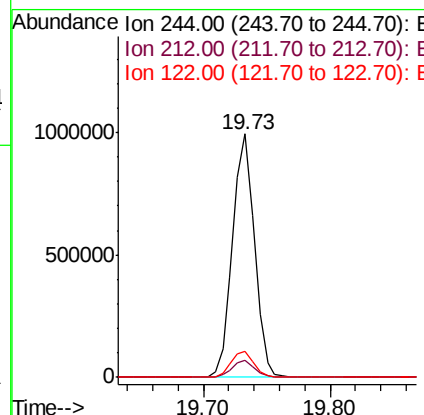
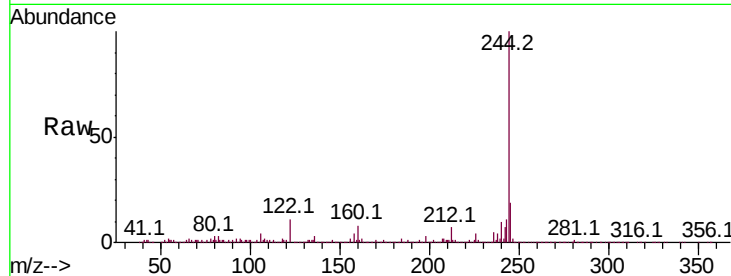
Instrument :
 BNA_M
 ClientSampleId :
 OK-03-022219-ARE

Tot Ion:244 Resp: 1191779

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.8	9.3	13.9

Manual Integrations
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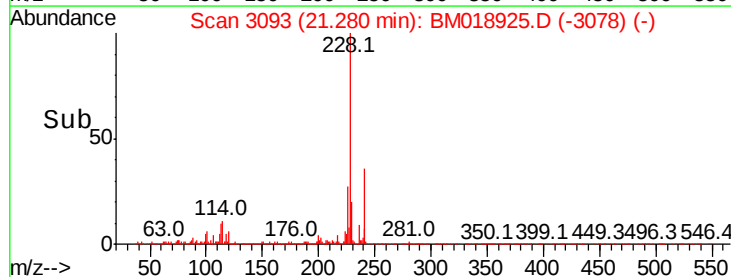
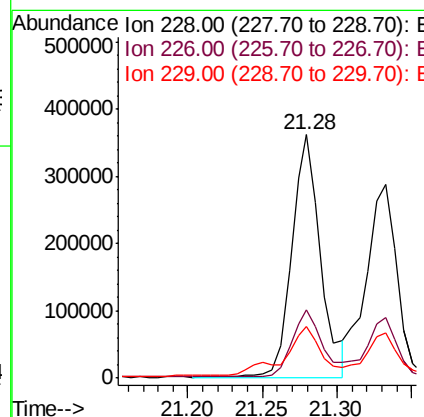
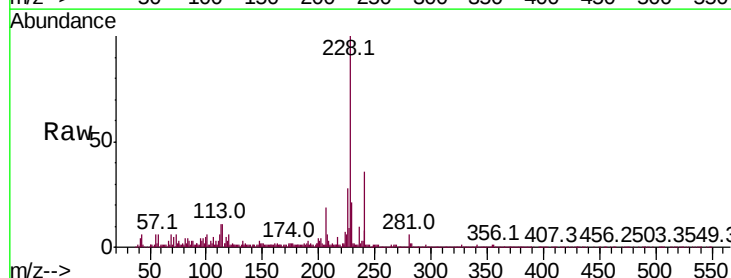
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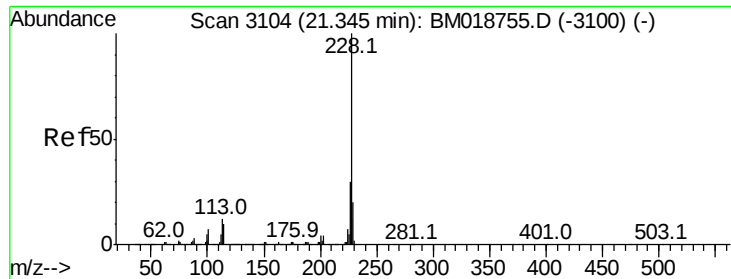


#81
 Benzo(a)anthracene
 Concen: 9.061 ng
 RT: 21.28 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM018925.D
 Acq: 25 Feb 2019 22:11

Tgt Ion:228 Resp: 484573

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	21.2	15.9	23.9





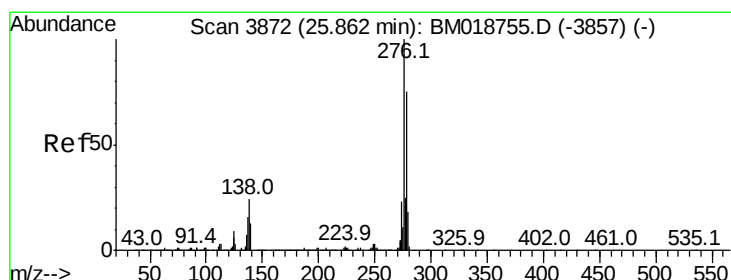
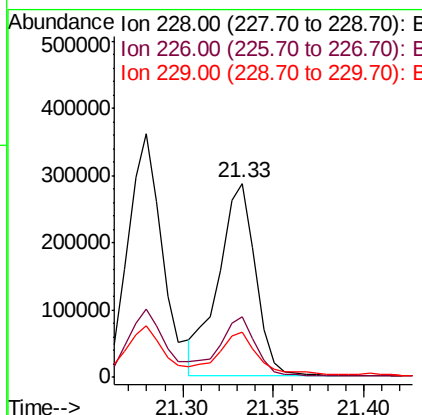
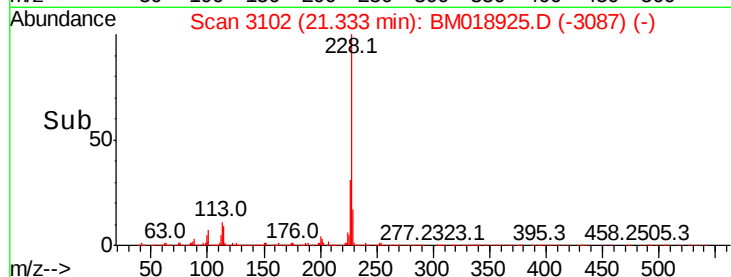
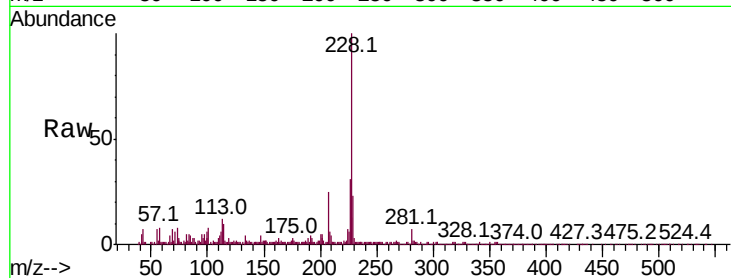
#83
Chrysene
Concen: 7.941 ng
RT: 21.33 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-ARE

Tot Ion:228	Resp:	407004
Ion Ratio	Lower	Upper
228 100		
226 31.0	24.1	36.1
229 23.1	16.0	24.0

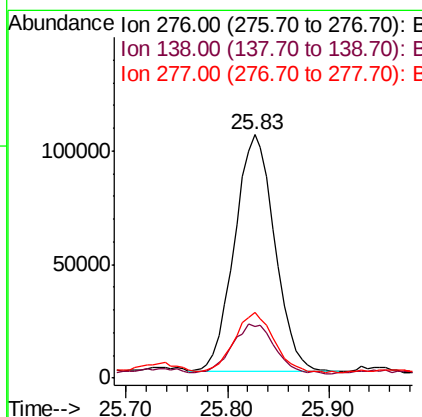
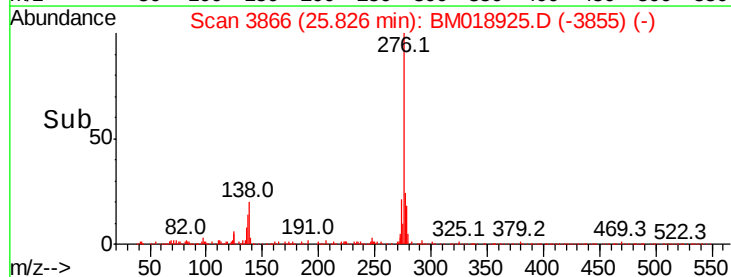
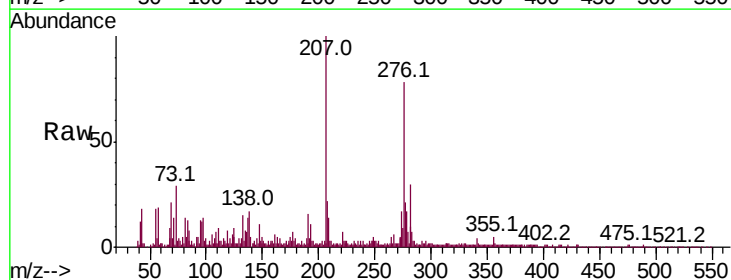
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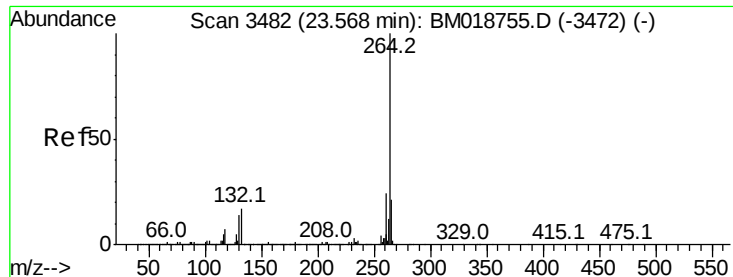
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.852 ng
RT: 25.83 min Scan# 3866
Delta R.T. -0.04 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Tgt Ion:276	Resp:	287101
Ion Ratio	Lower	Upper
276 100		
138 22.1	20.2	30.4
277 25.2	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.55 min Scan# 3479

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

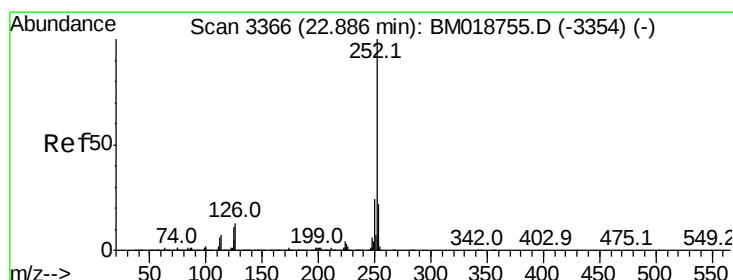
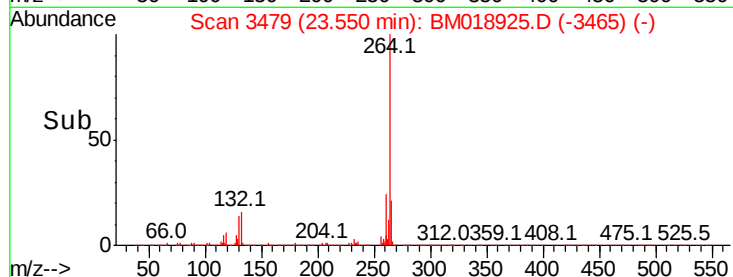
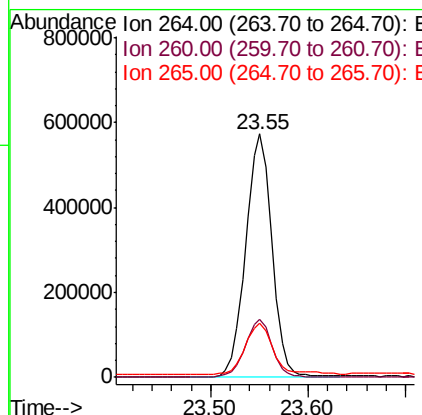
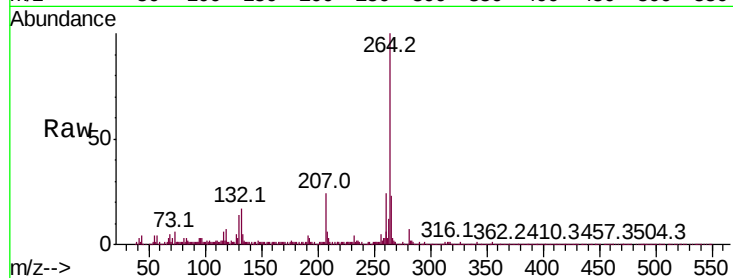
ClientSampleId :

OK-03-022219-ARE

Tot Ion:	264	Resp:	1073557
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.9	28.3
265	22.5	17.3	25.9

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 9.542 ng m

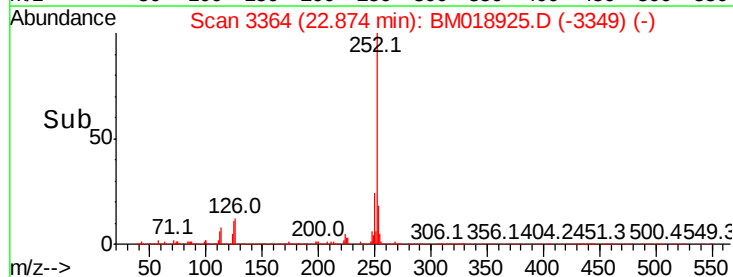
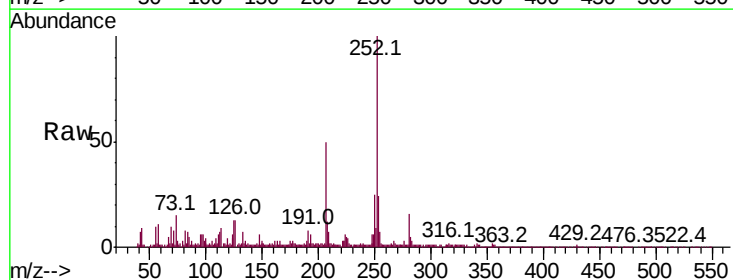
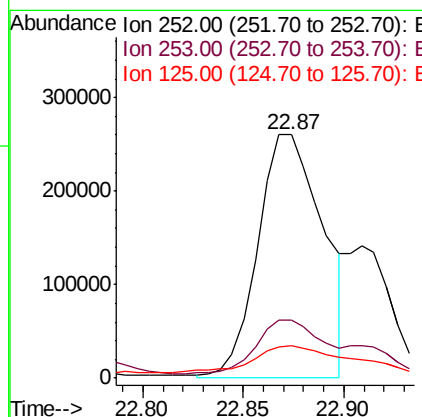
RT: 22.87 min Scan# 3364

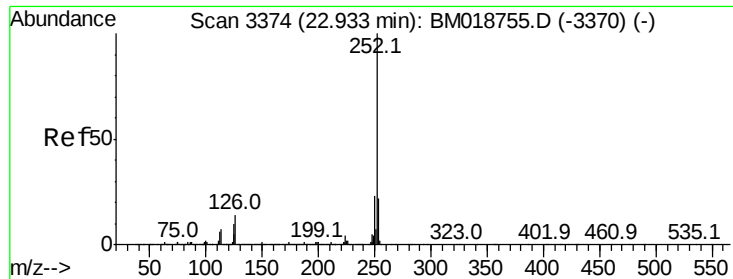
Delta R.T. -0.01 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Tgt Ion:	252	Resp:	586115
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	13.4	8.6	12.8#





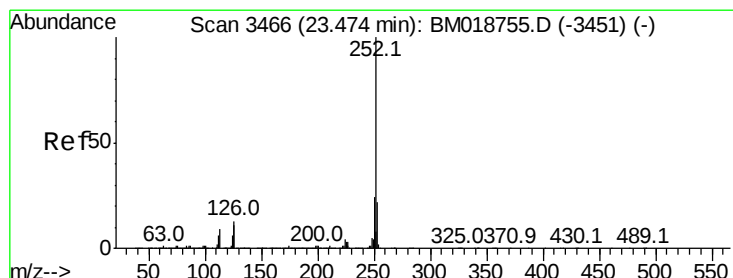
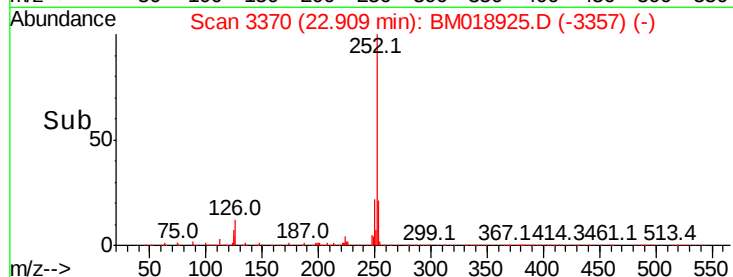
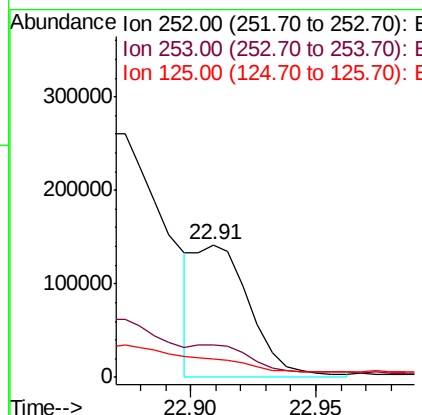
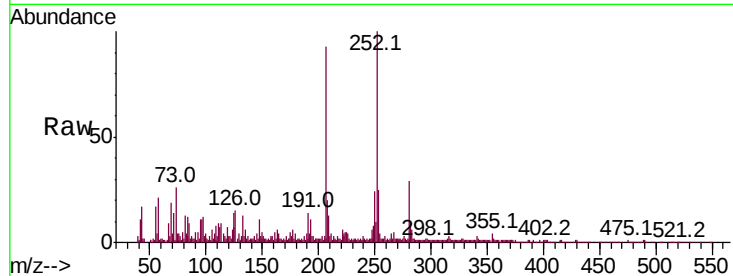
#89
Benzo(k)fluoranthene
Concen: 3.585 ng m
RT: 22.91 min Scan# 3370
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-ARE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	13.7	8.2	12.4

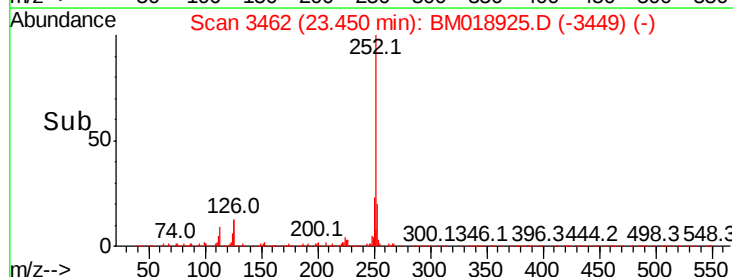
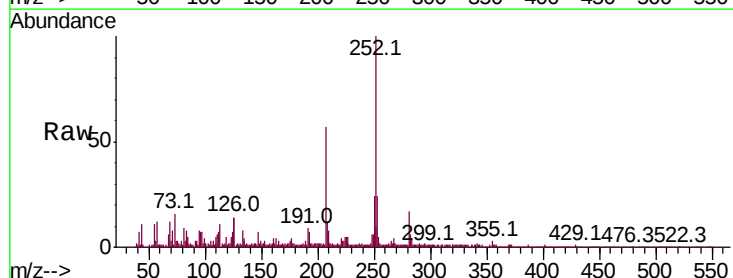
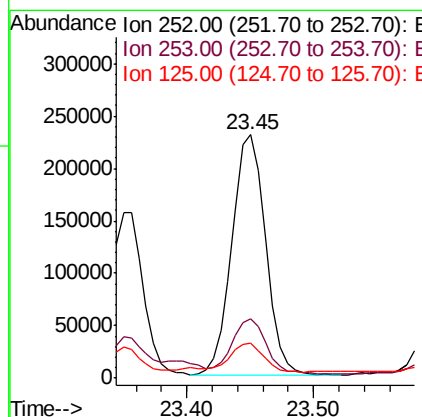
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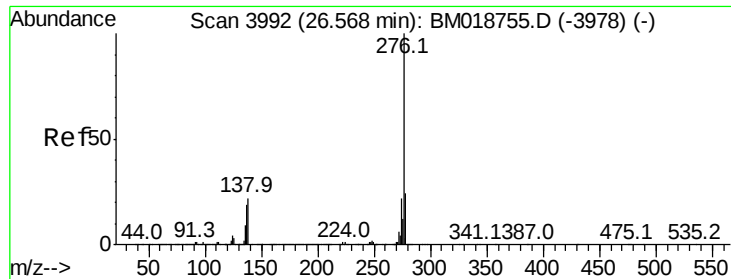
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#90
Benzo(a)pyrene
Concen: 7.246 ng
RT: 23.45 min Scan# 3462
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	14.2	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 5.083 ng

RT: 26.53 min Scan# 3986

Delta R.T. -0.04 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

Tot Ion:	276	Resp:	272816
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.2	28.8
138	22.5	17.3	25.9

Manual Integrations
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