

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
 Data File : BM018920.D
 Acq On : 25 Feb 2019 19:12
 Operator : JU/SJ
 Sample : K1348-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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 2/26/2019 12:06:07 PM

Quant Time: Feb 26 03:26:57 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	166223	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	700808	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	405601	20.00	ng	-0.02
64) Phenanthrene-d10	17.09	188	950732	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1131567	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1138039	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	528509	52.10	ng	-0.02
7) Phenol-d6	6.86	99	738839	51.70	ng	-0.02
23) Nitrobenzene-d5	8.86	82	466031	30.75	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	291300	49.82	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	839450	27.47	ng	-0.02
79) Terphenyl-d14	19.73	244	1379623	25.15	ng	-0.02
Target Compounds						
71) Phenanthrene	17.14	178	752854	14.735	ng	99
72) Anthracene	17.23	178	153120	3.079	ng	97
75) Fluoranthene	19.16	202	1288482	21.831	ng	98
78) Pyrene	19.52	202	1049516	15.969	ng	99
81) Benzo(a)anthracene	21.27	228	581366	8.814	ng	99
83) Chrysene	21.33	228	493998	7.814	ng	97
86) Indeno(1,2,3-cd)pyrene	25.81	276	291028	3.987	ng	95
88) Benzo(b)fluoranthene	22.86	252	669474m	10.282	ng	
89) Benzo(k)fluoranthene	22.90	252	201771m	3.113	ng	
90) Benzo(a)pyrene	23.44	252	447690	7.258	ng	# 95
92) Benzo(g,h,i)perylene	26.51	276	280173	4.925	ng	99

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

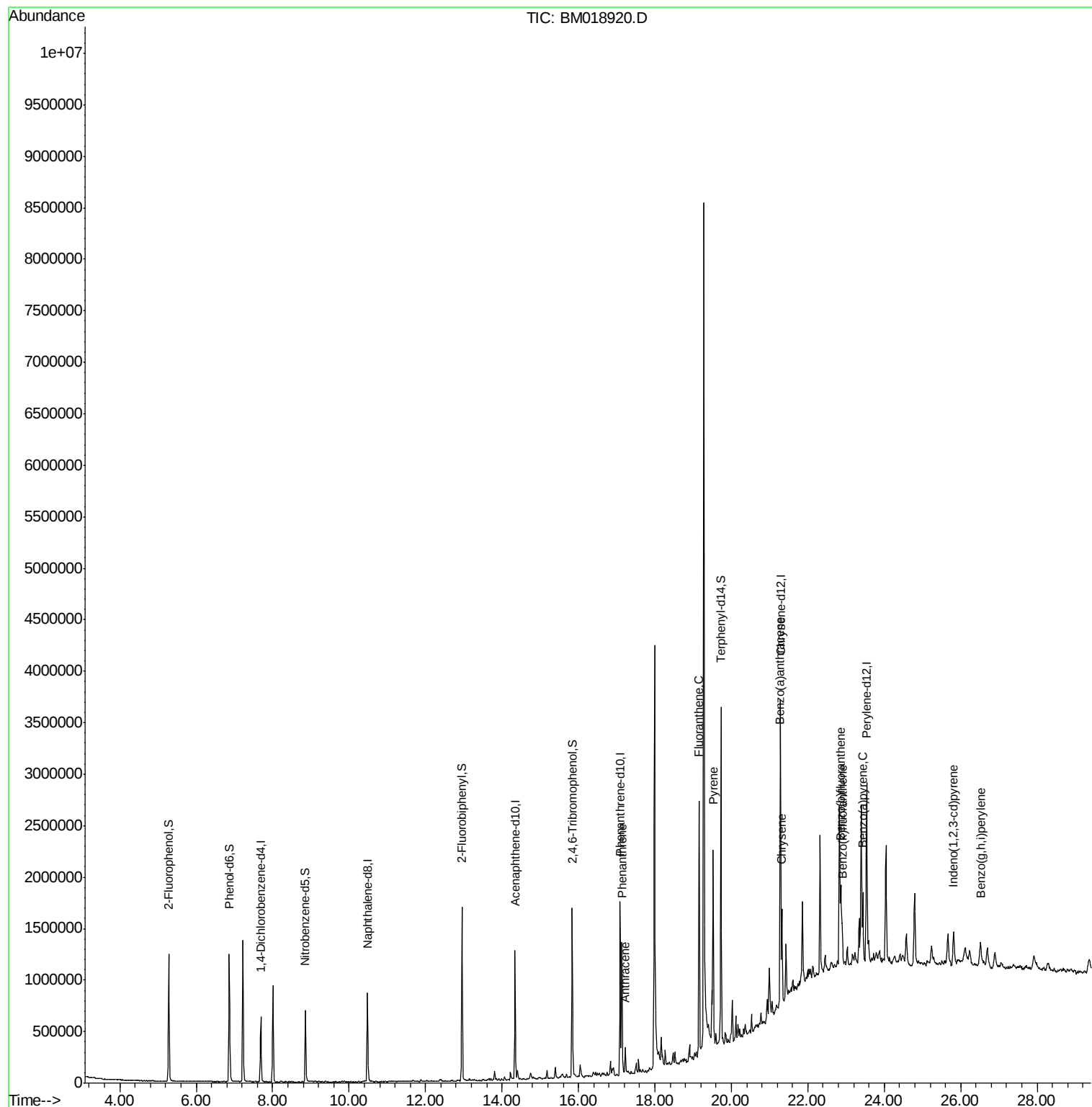
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
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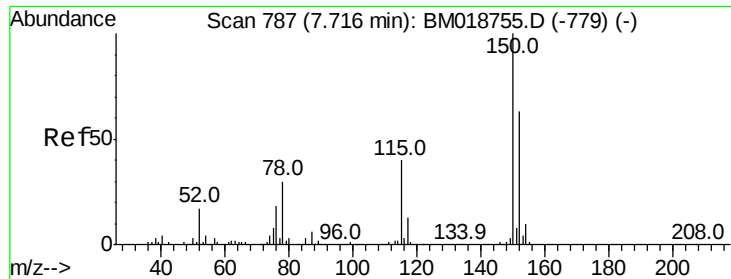
Instrument :
BNA_M
ClientSampleId :
OK-03-022219-A

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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

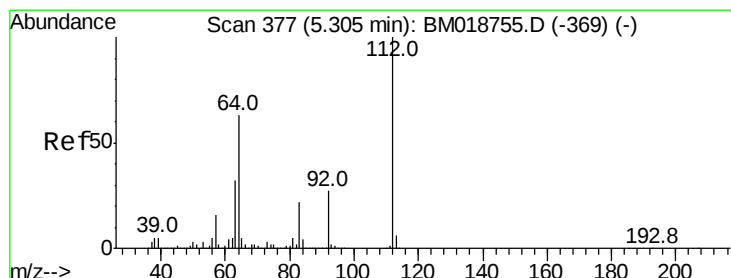
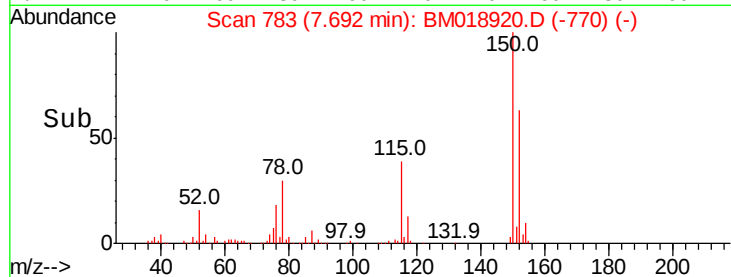
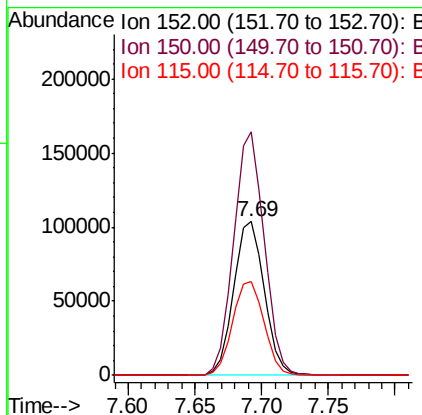
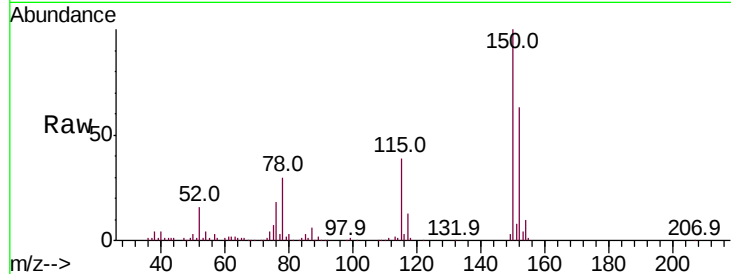
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.3	190.9
115	61.3	50.8	76.2

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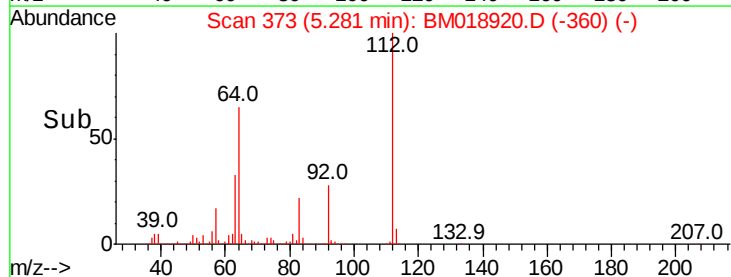
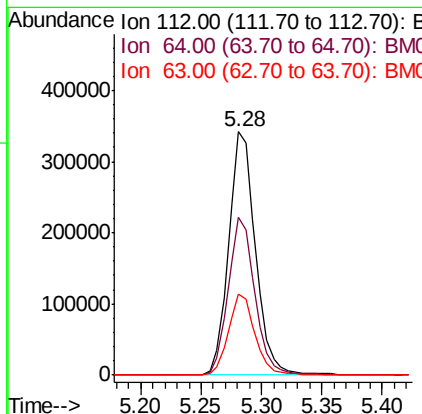
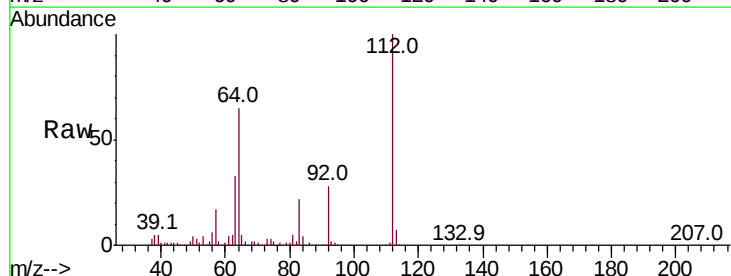
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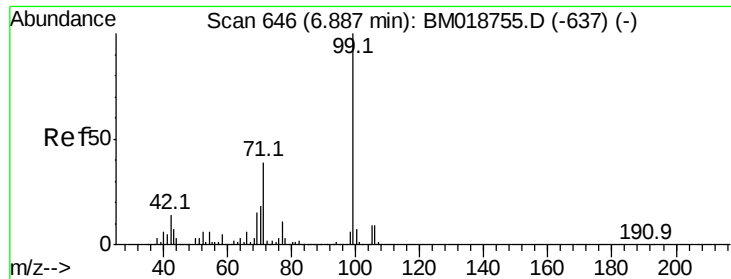


#5

2-Fluorophenol
Concen: 52.096 ng
RT: 5.28 min Scan# 373
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	50.6	75.8
63	33.0	25.7	38.5





#7

Phenol-d6

Concen: 51.697 ng

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

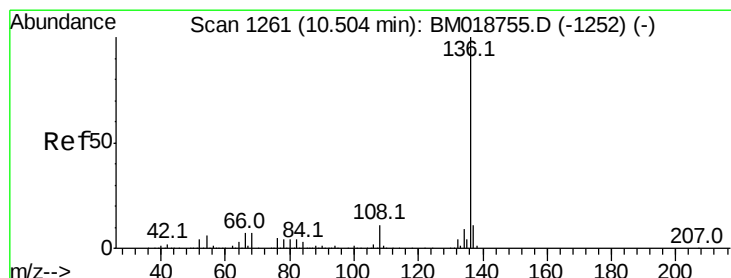
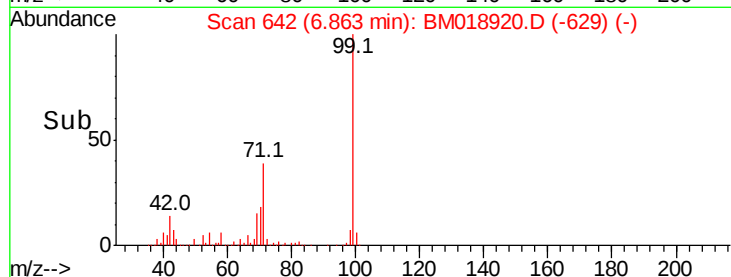
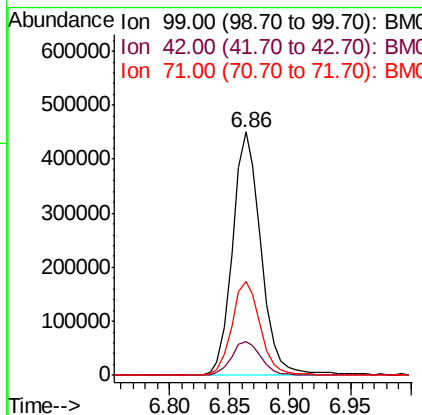
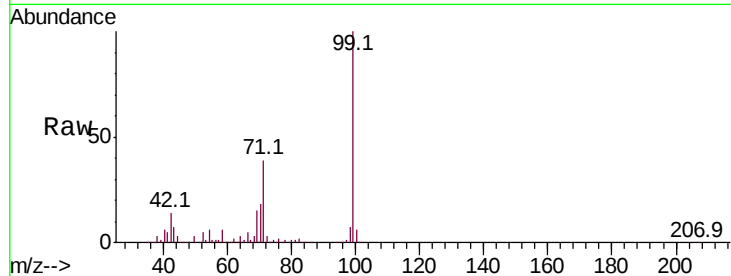
ClientSampleId :

OK-03-022219-A

Tot Ion:	99	Resp:	738839
Ion Ratio	Lower	Upper	
99	100		
42	14.0	11.0	16.6
71	38.5	31.3	46.9

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#21

Naphthalene-d8

Concen: 20.000 ng

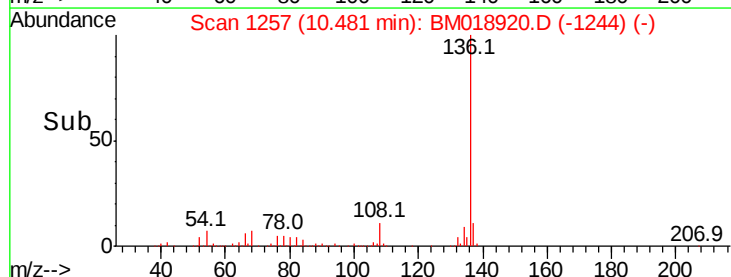
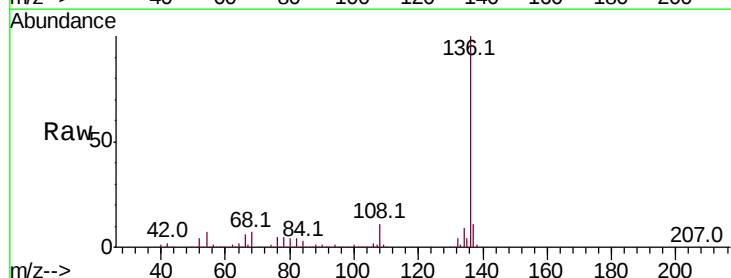
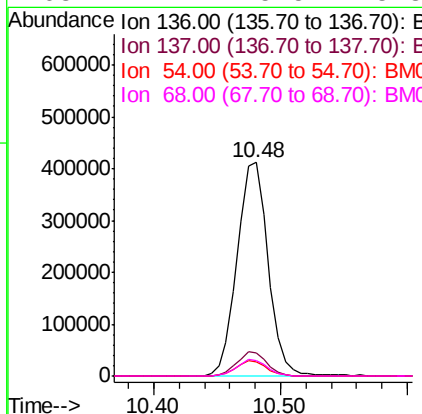
RT: 10.48 min Scan# 1257

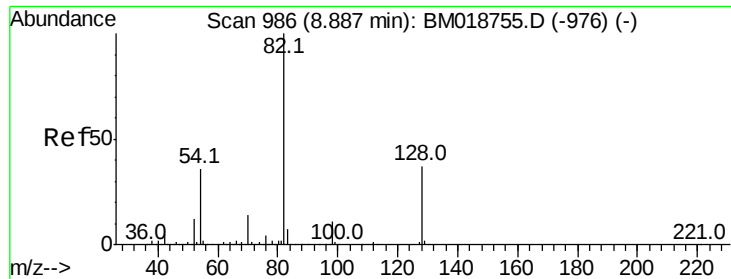
Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Tgt Ion:	136	Resp:	700808
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	6.9	5.0	7.6
68	7.2	5.5	8.3





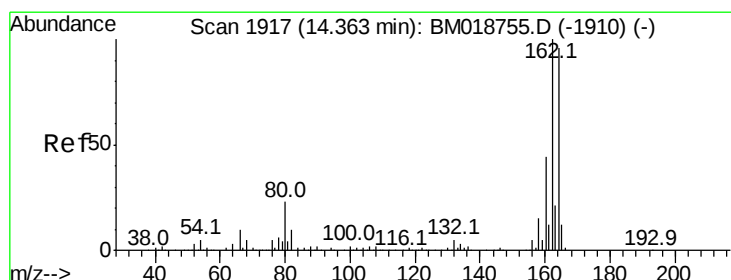
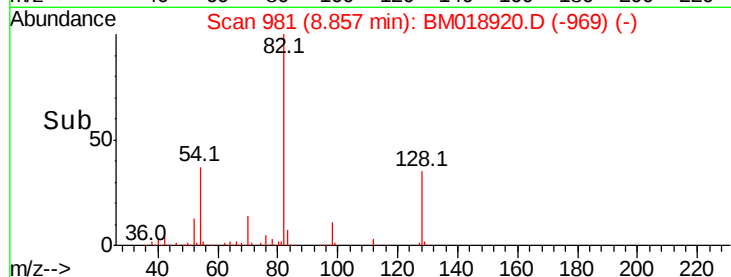
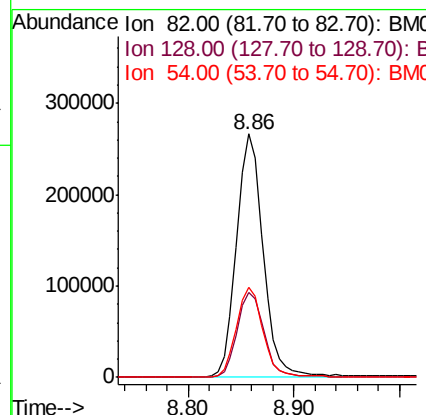
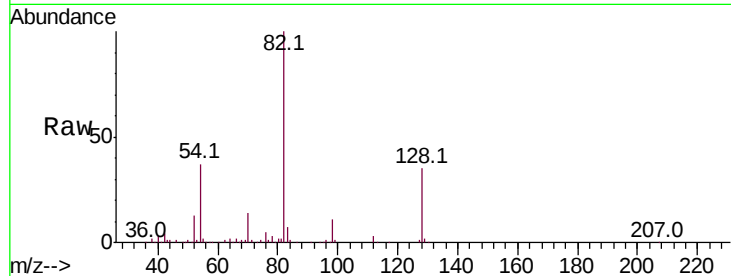
#23
Nitrobenzene-d5
Concen: 30.748 ng
RT: 8.86 min Scan# 981
Delta R.T. -0.03 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.9	44.9
54	36.8	29.1	43.7

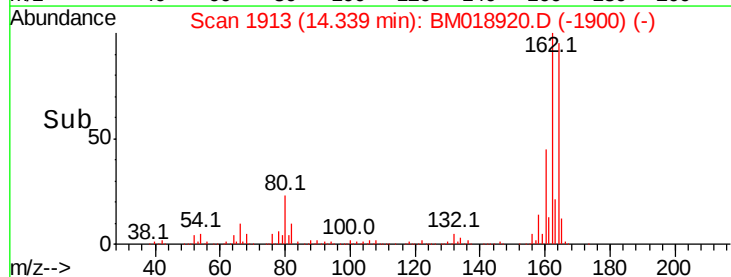
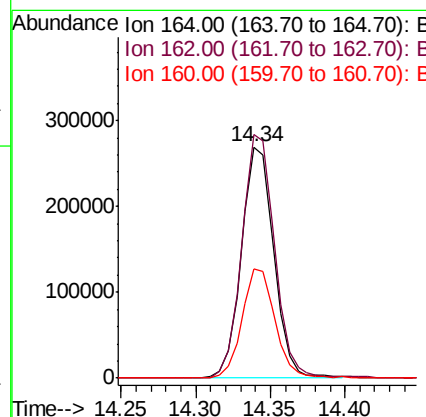
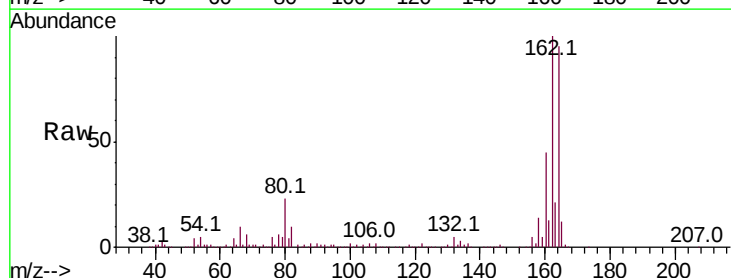
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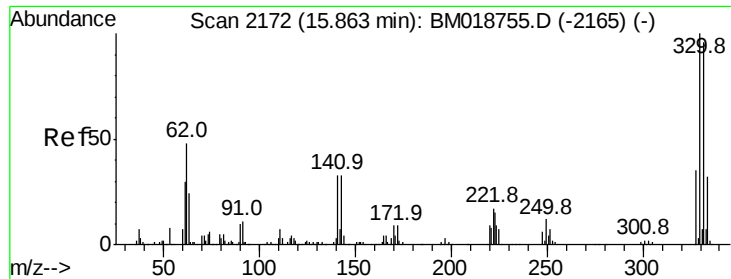
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1913
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.4	125.0
160	47.4	36.6	55.0





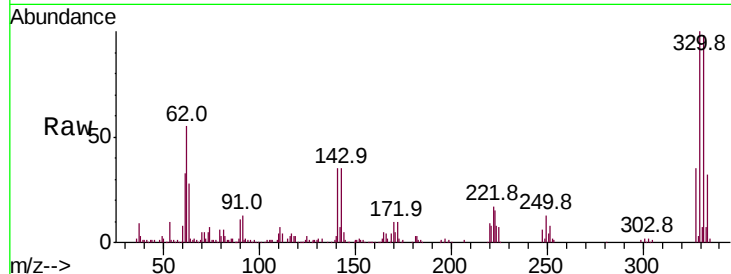
#42
 2,4,6-Tribromophenol
 Concen: 49.824 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BM018920.D
 Acq: 25 Feb 2019 19:12

Instrument :
 BNA_M
 ClientSampled :
 OK-03-022219-A

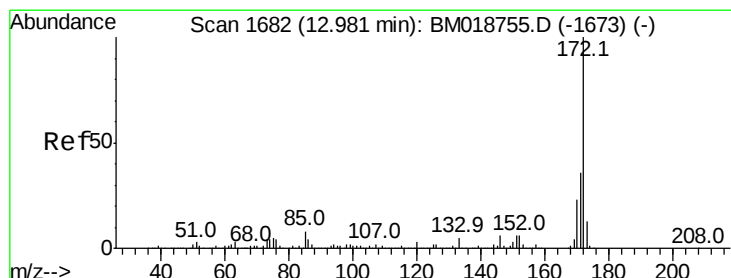
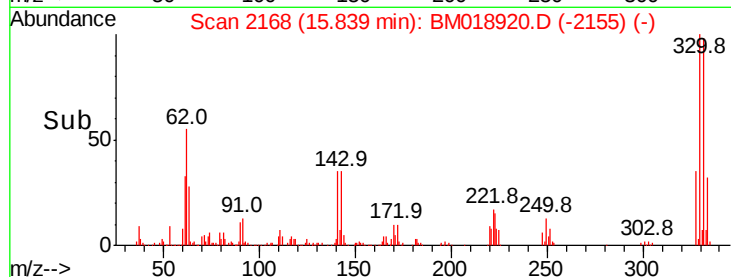
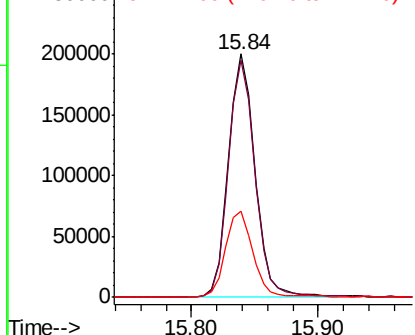
Tot Ion	Ratio	Resp	Lower	Upper
330	100	291300		
332	97.4	76.9	115.3	
141	37.3	28.7	43.1	

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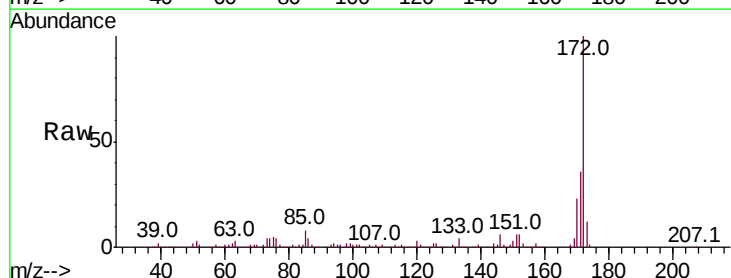


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

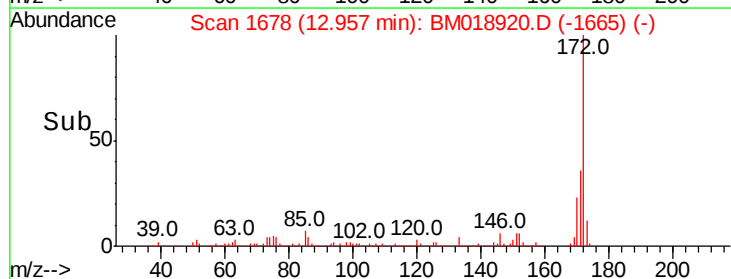
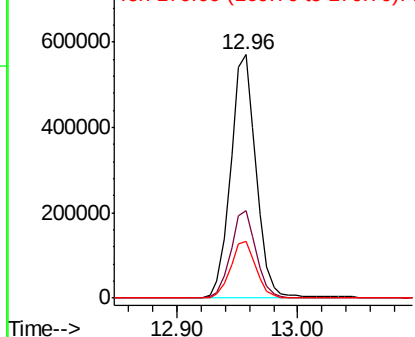


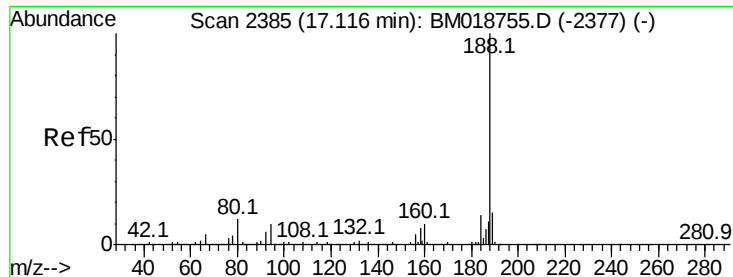
#45
 2-Fluorobiphenyl
 Concen: 27.474 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.02 min
 Lab File: BM018920.D
 Acq: 25 Feb 2019 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	839450		
171	35.8	29.0	43.6	
170	23.4	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: 17.09 min Scan# 2381

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

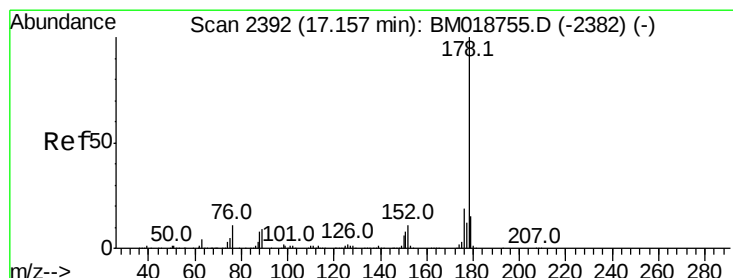
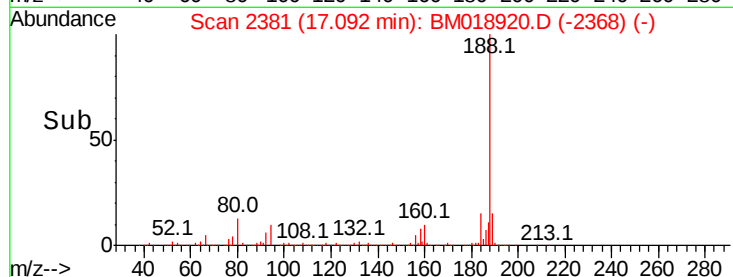
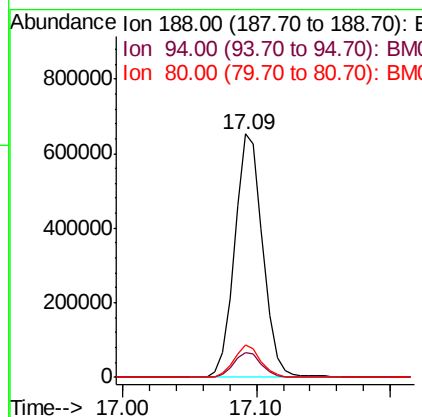
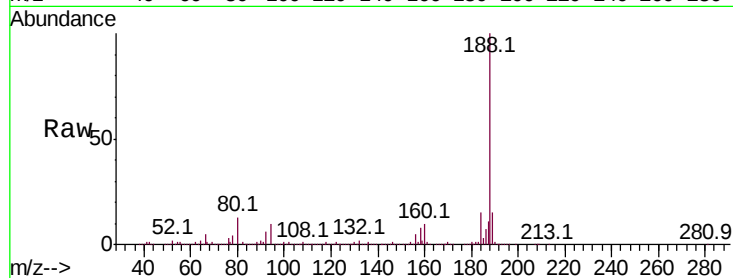
ClientSampleId :

OK-03-022219-A

Tot Ion:	188	Resp:	950732
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.2	12.2
80	13.1	9.7	14.5

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#71

Phenanthrene

Concen: 14.735 ng

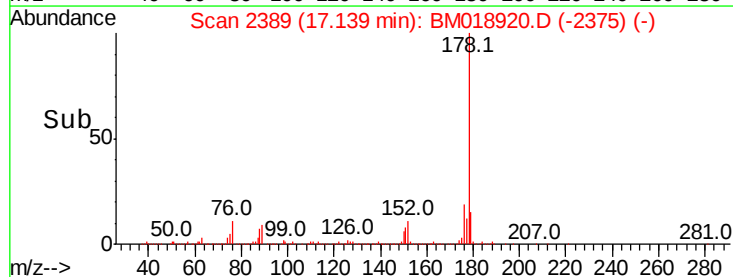
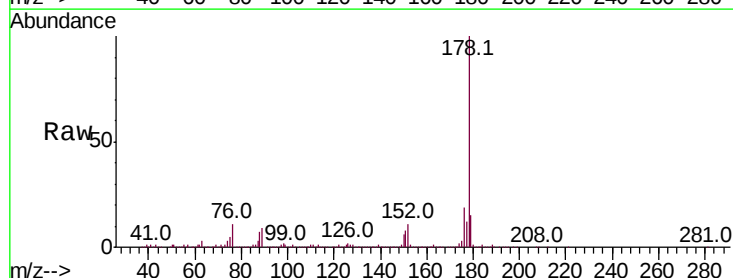
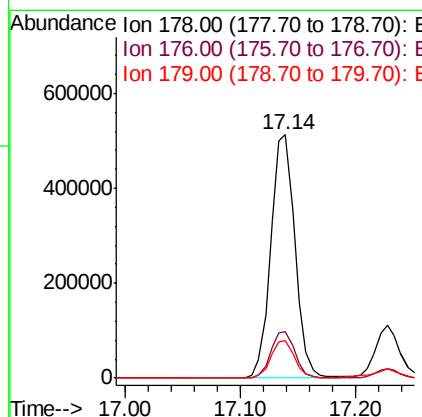
RT: 17.14 min Scan# 2389

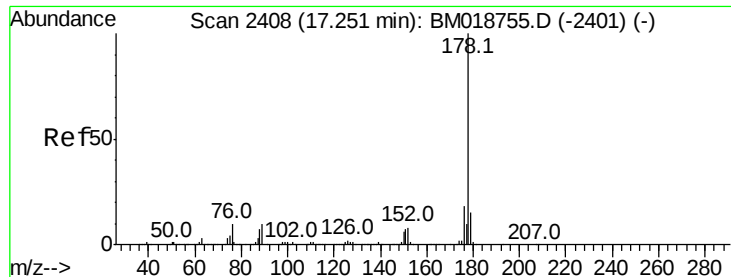
Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Tgt Ion:	178	Resp:	752854
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	15.3	12.3	18.5





#72

Anthracene

Concen: 3.079 ng

RT: 17.23 min Scan# 2404

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

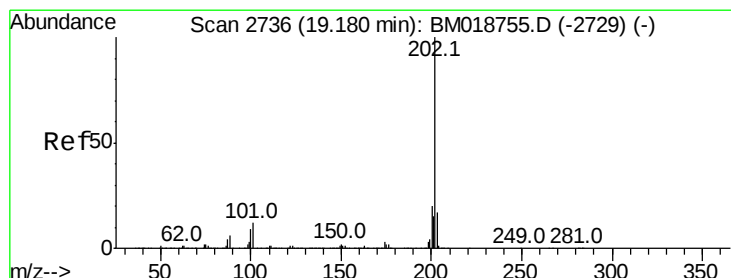
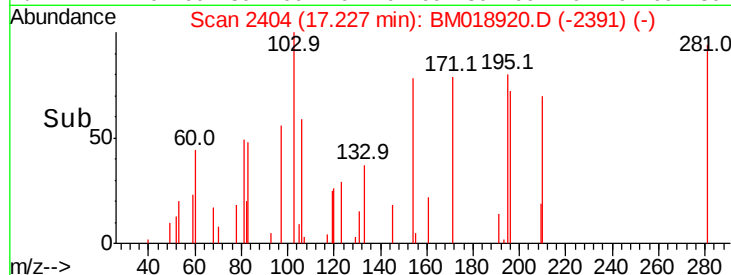
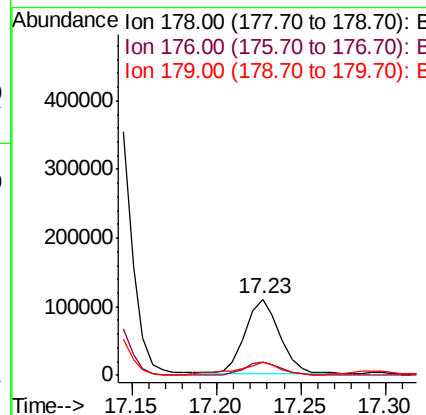
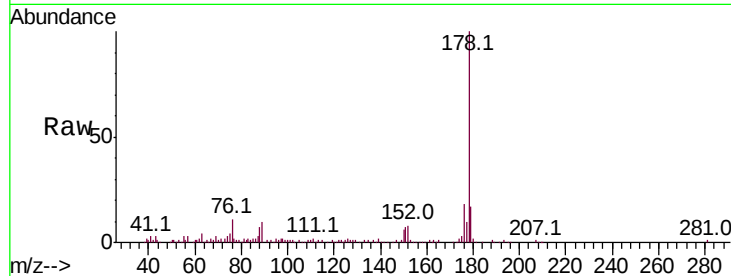
ClientSampleId :

OK-03-022219-A

Tot Ion:	178	Resp:	153120
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.8	22.2
179	17.0	12.1	18.1

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#75

Fluoranthene

Concen: 21.831 ng

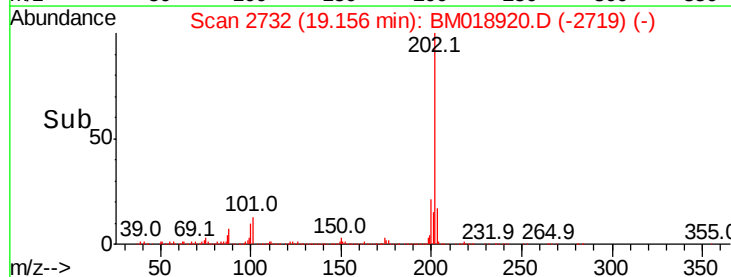
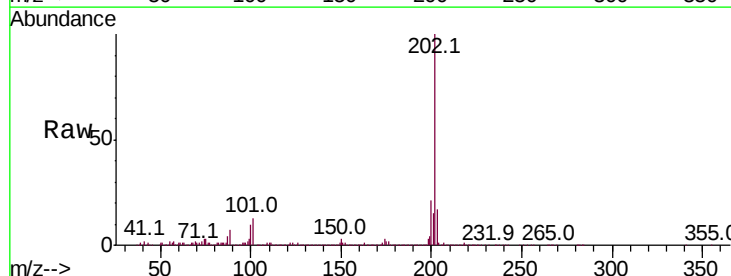
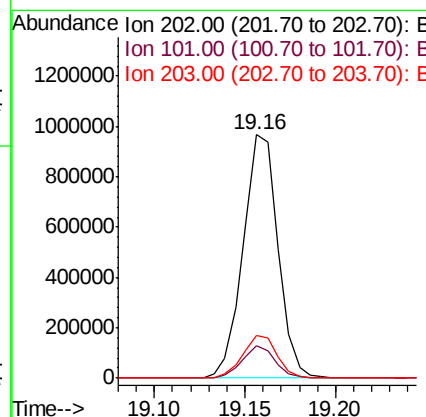
RT: 19.16 min Scan# 2732

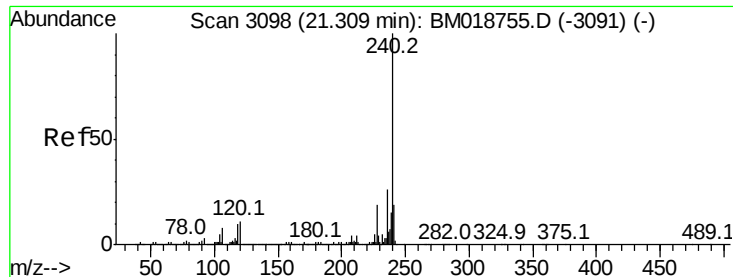
Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Tgt Ion:	202	Resp:	1288482
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	31.5
203	17.4	0.0	37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

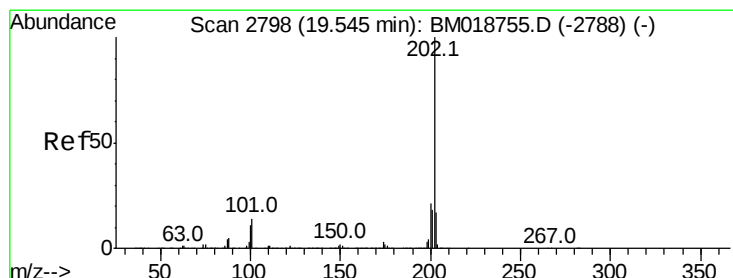
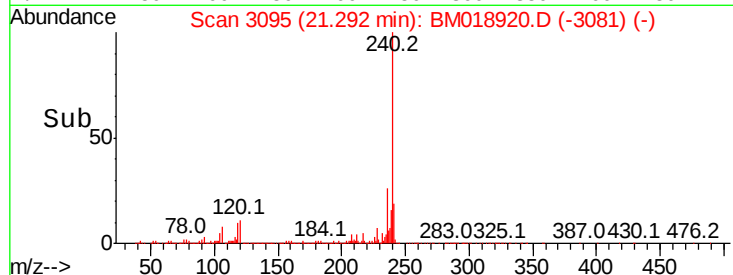
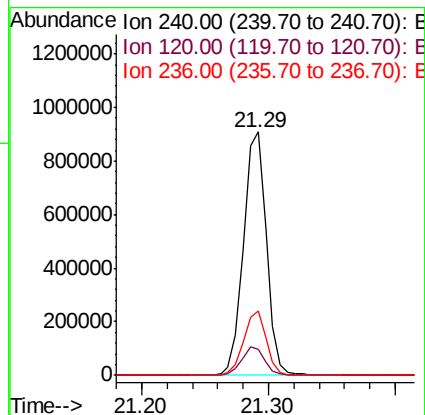
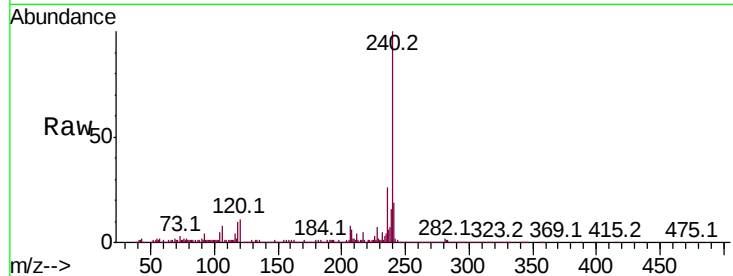
ClientSampleId :

OK-03-022219-A

Tot Ion:	240	Resp:	1131567
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.9	13.3
236	26.3	20.9	31.3

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#78

Pyrene

Concen: 15.969 ng

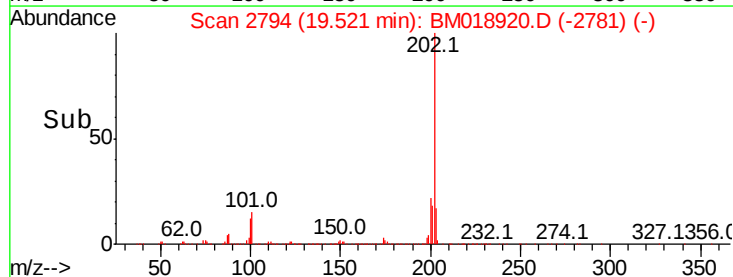
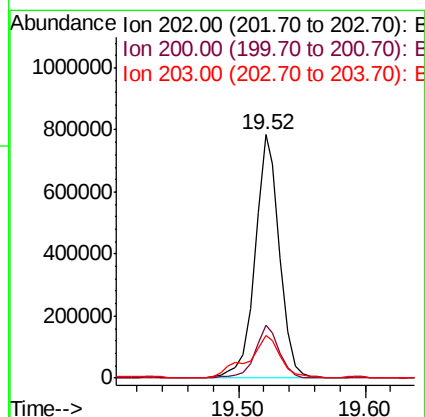
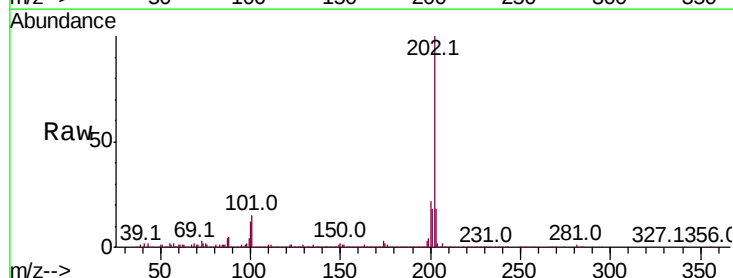
RT: 19.52 min Scan# 2794

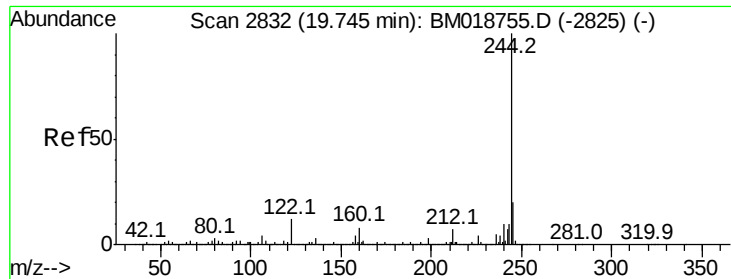
Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Tgt Ion:	202	Resp:	1049516
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.9	25.3
203	17.7	13.8	20.8





#79

Terphenyl-d14

Concen: 25.151 ng

RT: 19.73 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

Tot Ion:244 Resp: 1379623

Ion Ratio Lower Upper

244 100

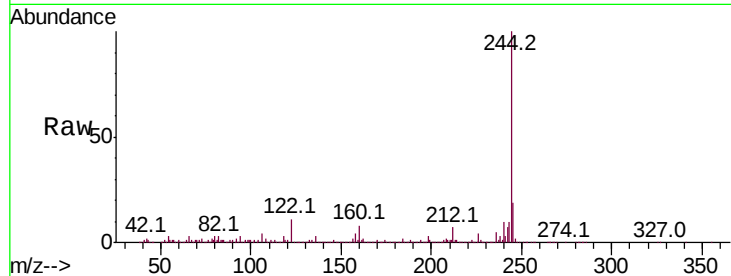
212 6.8 5.6 8.4

122 11.2 9.3 13.9

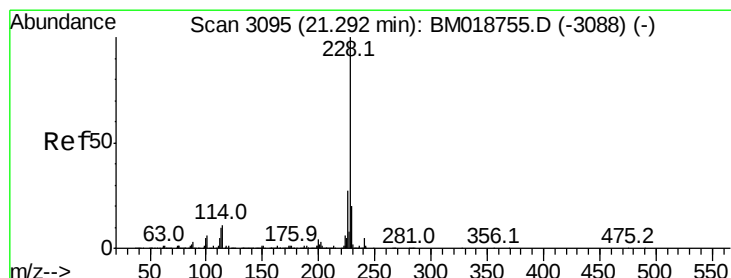
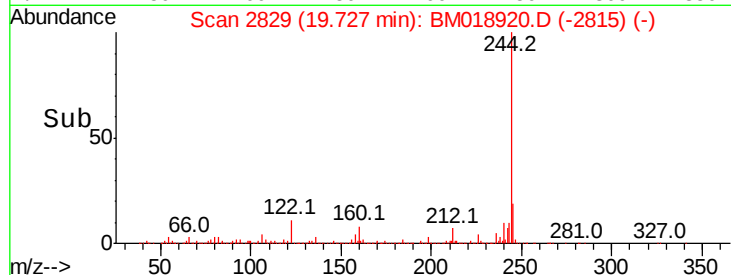
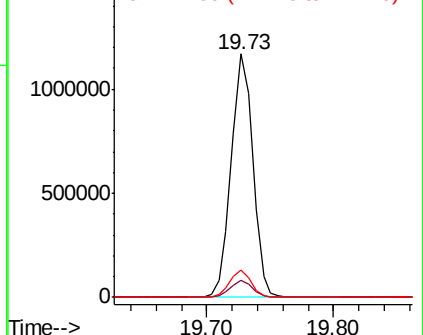
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 8.814 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

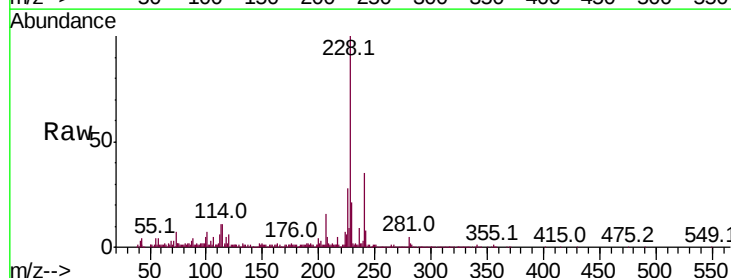
Tgt Ion:228 Resp: 581366

Ion Ratio Lower Upper

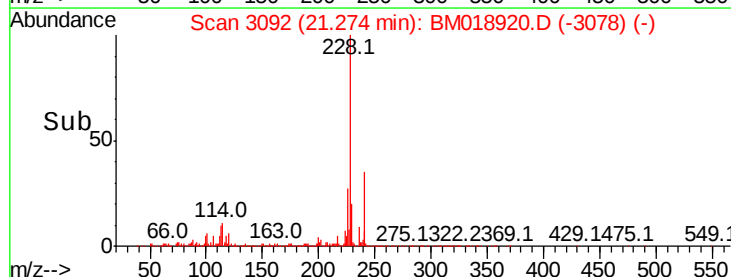
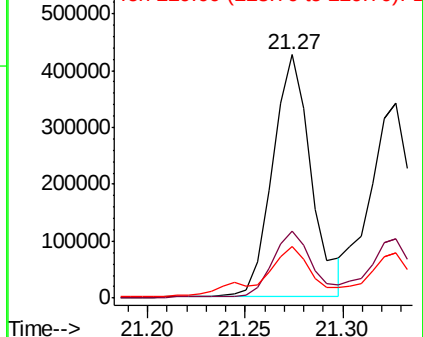
228 100

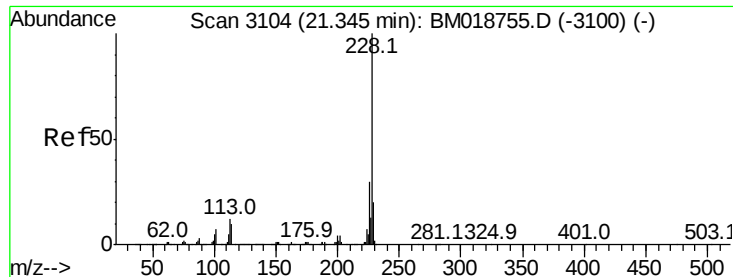
226 27.7 21.9 32.9

229 21.0 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





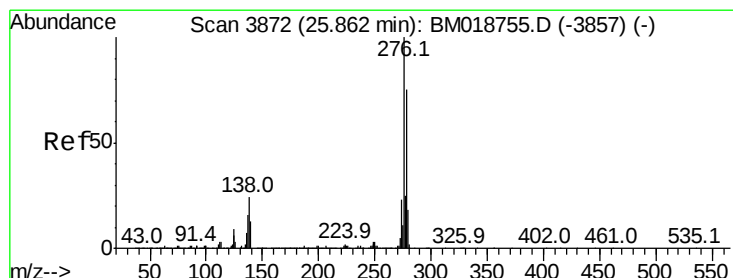
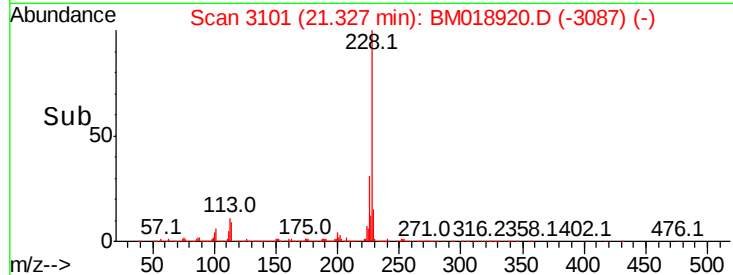
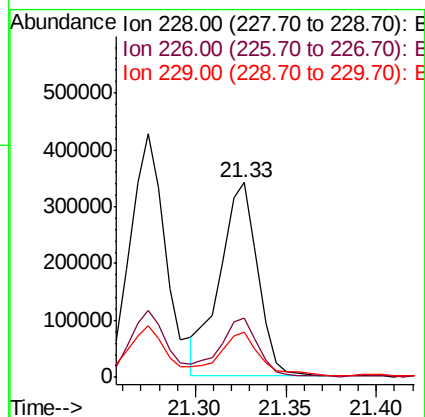
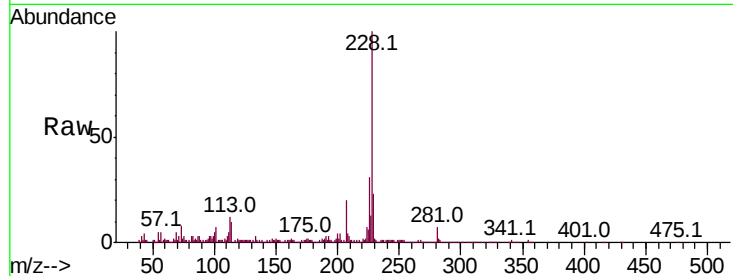
#83
Chrysene
Concen: 7.814 ng
RT: 21.33 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.1	36.1
229	23.1	16.0	24.0

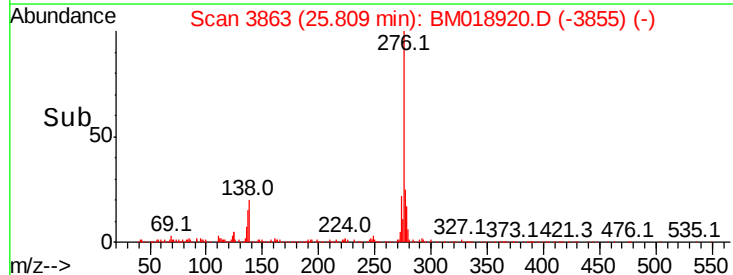
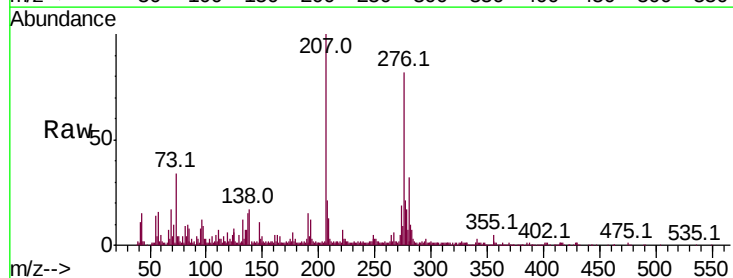
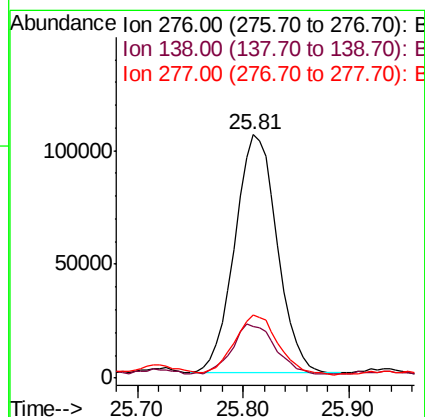
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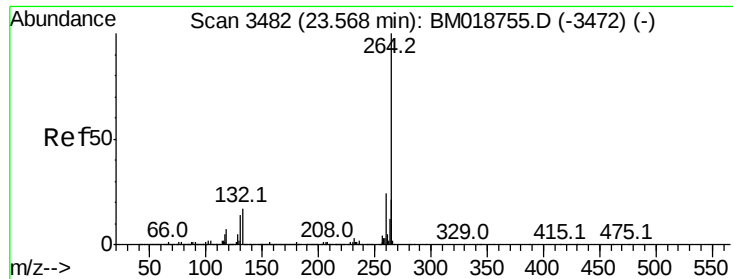
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.987 ng
RT: 25.81 min Scan# 3863
Delta R.T. -0.05 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.2	30.4
277	25.9	20.3	30.5





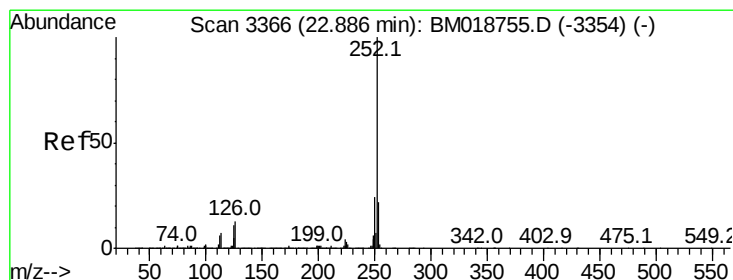
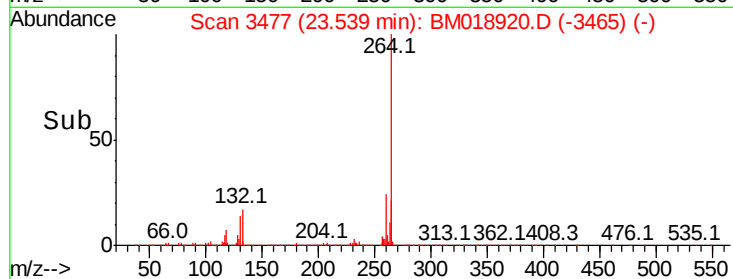
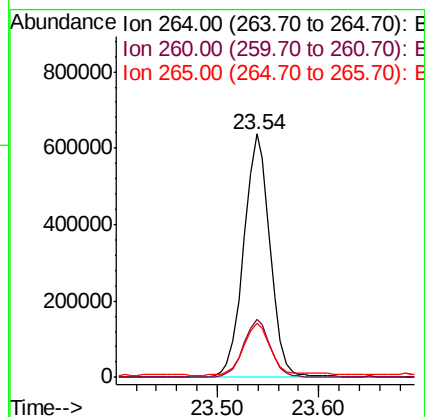
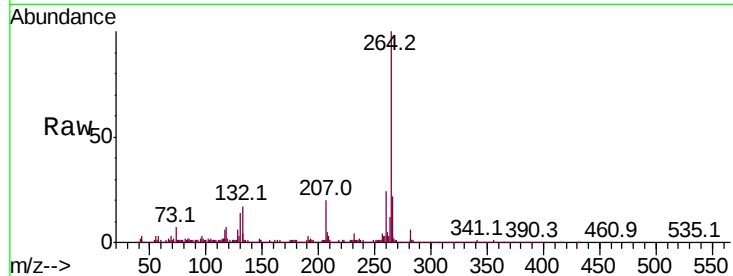
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.54 min Scan# 3477
Delta R.T. -0.03 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

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

Tot Ion:	264	Resp:	1138039
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.4	17.3	25.9

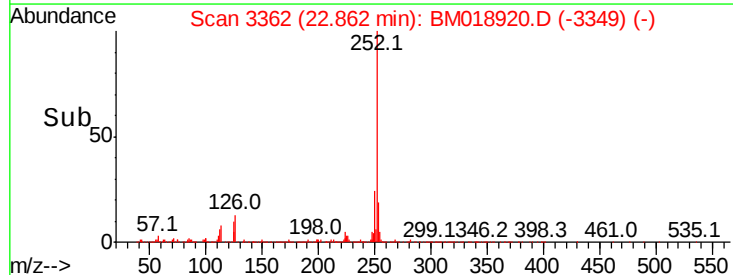
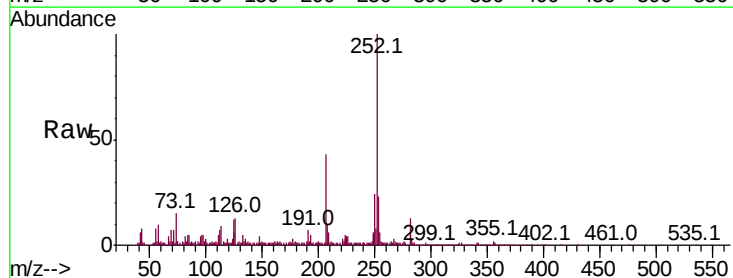
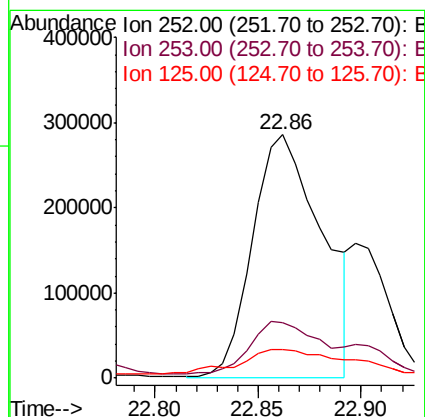
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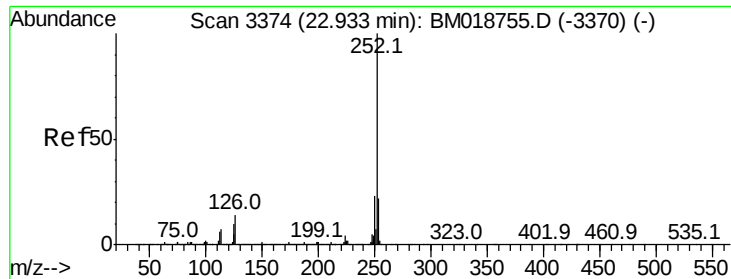
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#88
Benzo(b)fluoranthene
Concen: 10.282 ng m
RT: 22.86 min Scan# 3362
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion:	252	Resp:	669474
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.8	8.6	12.8





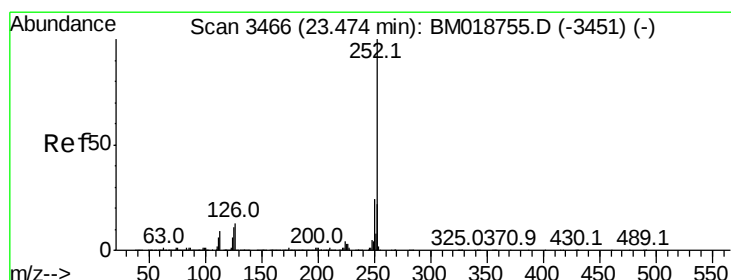
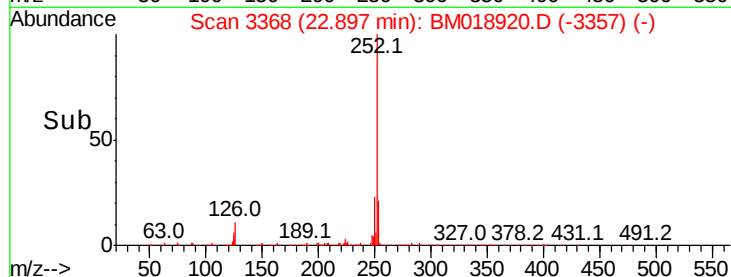
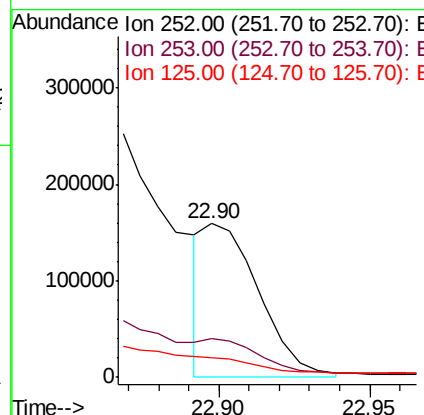
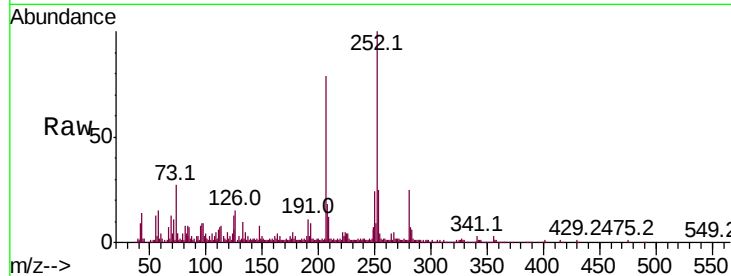
#89
Benzo(k)fluoranthene
Concen: 3.113 ng m
RT: 22.90 min Scan# 3368
Delta R.T. -0.04 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.7	26.5
125	13.2	8.2	12.4

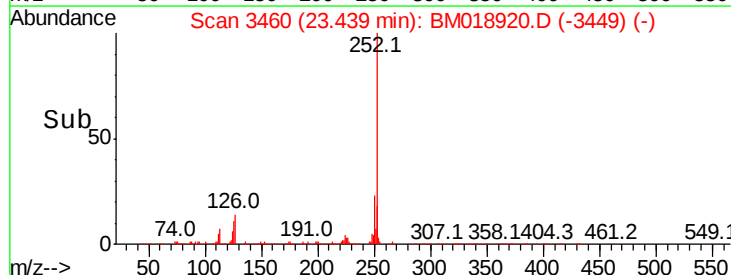
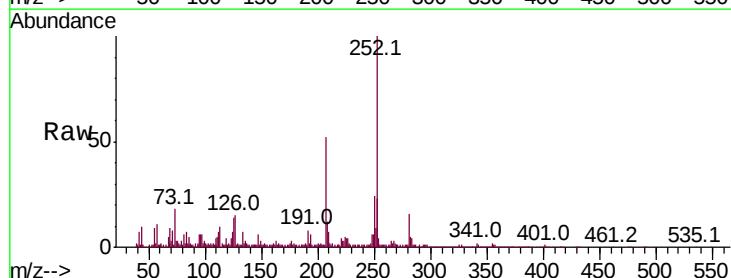
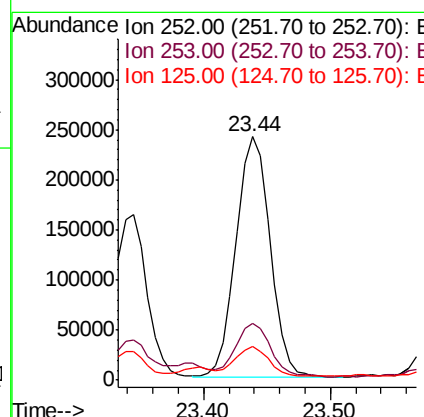
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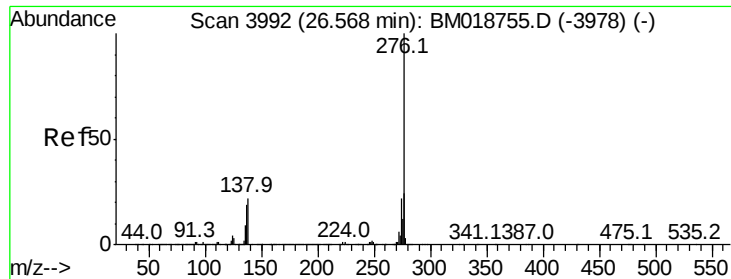
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#90
Benzo(a)pyrene
Concen: 7.258 ng
RT: 23.44 min Scan# 3460
Delta R.T. -0.04 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.6	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 4.925 ng

RT: 26.51 min Scan# 3983

Delta R.T. -0.05 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

Tot Ion:	276	Resp:	280173
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.2	28.8
138	21.5	17.3	25.9

Manual Integrations
APPROVED

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