

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
 Data File : BM018944.D
 Acq On : 27 Feb 2019 00:03
 Operator : JU/SJ
 Sample : K1356-11 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-022219-B

Manual Integrations
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 2/27/2019 4:20:29 PM

Quant Time: Feb 27 01:14:34 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	333822	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	1213473	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	585722	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1202779	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1304399	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1434093	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1026285	50.37	ng	-0.02
7) Phenol-d6	6.87	99	1391315	48.47	ng	-0.02
23) Nitrobenzene-d5	8.86	82	880379	33.55	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	379246	44.92	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1393342	31.58	ng	-0.02
79) Terphenyl-d14	19.73	244	1763162	27.88	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.89	94	102812	3.404	ng	95
58) Fluorene	15.40	166	127718	2.857	ng	99
71) Phenanthrene	17.14	178	1026807	15.885	ng	99
72) Anthracene	17.23	178	330750	5.257	ng	99
75) Fluoranthene	19.16	202	1678341	22.478	ng	97
78) Pyrene	19.53	202	1389584	18.342	ng	100
81) Benzo(a)anthracene	21.27	228	809464	10.646	ng	98
83) Chrysene	21.33	228	692221	9.498	ng	97
86) Indeno(1,2,3-cd)pyrene	25.83	276	447655	5.320	ng	95
88) Benzo(b)fluoranthene	22.87	252	981760	11.965	ng	95
89) Benzo(k)fluoranthene	22.90	252	293668m	3.595	ng	
90) Benzo(a)pyrene	23.44	252	682994	8.787	ng	# 95
92) Benzo(a,h,i)perylene	26.53	276	405677	5.659	ng	98

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

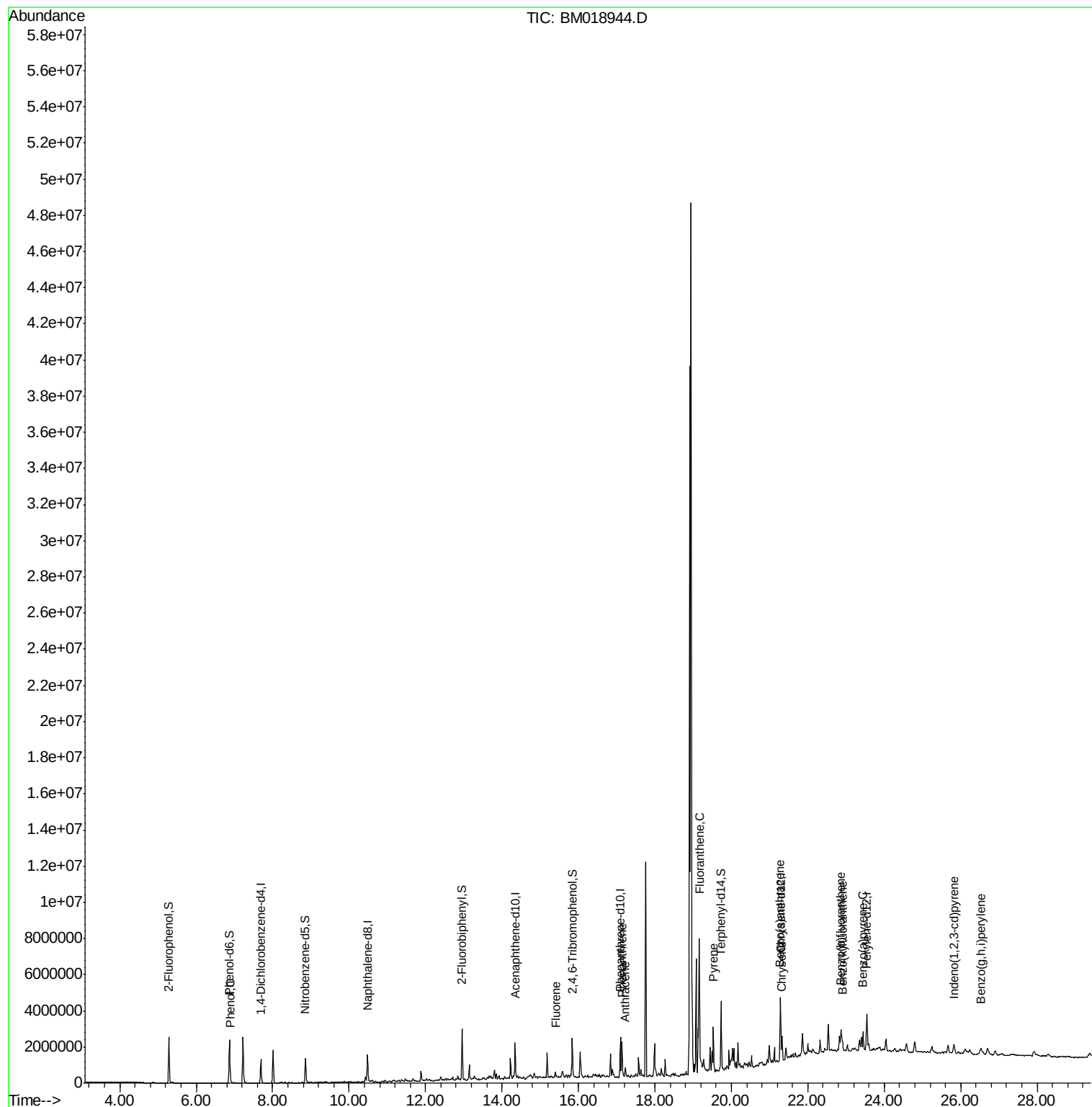
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
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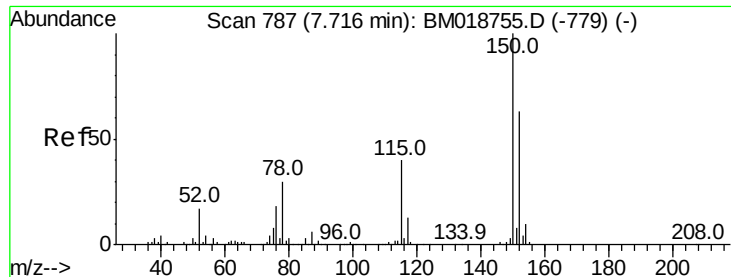
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

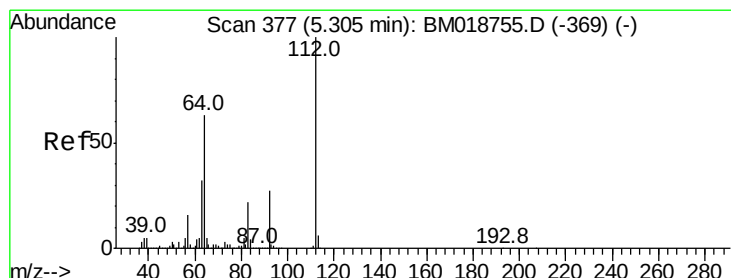
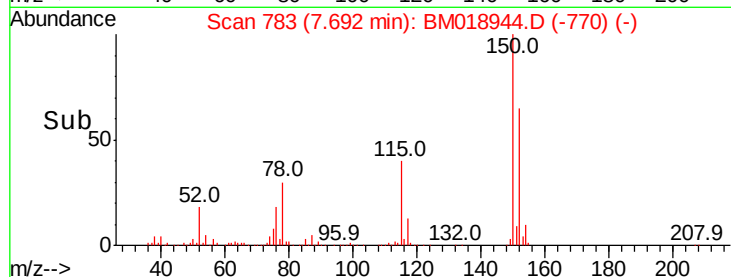
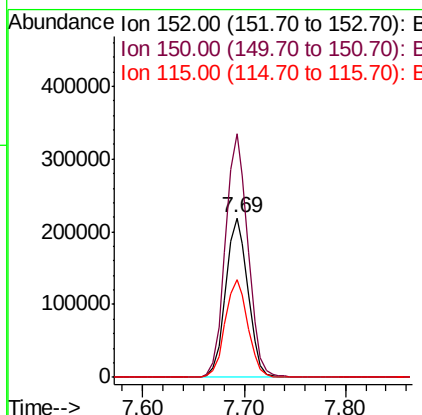
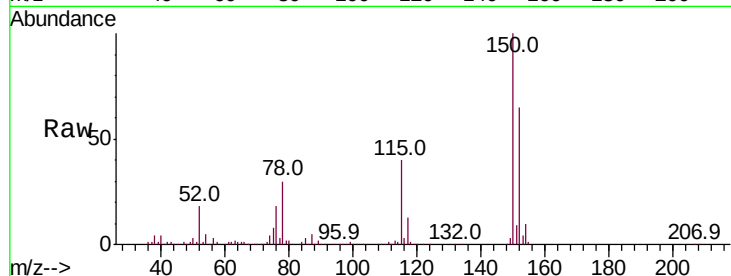
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Instrument :
BNA_M
ClientSampleId :
SU-02-022219-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	127.3	190.9
115	61.3	50.8	76.2

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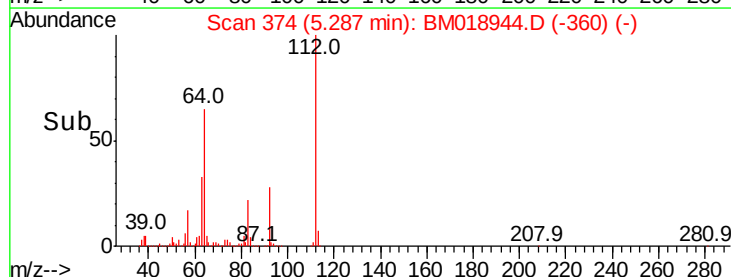
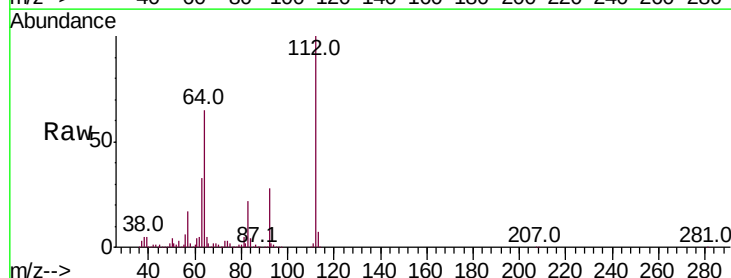
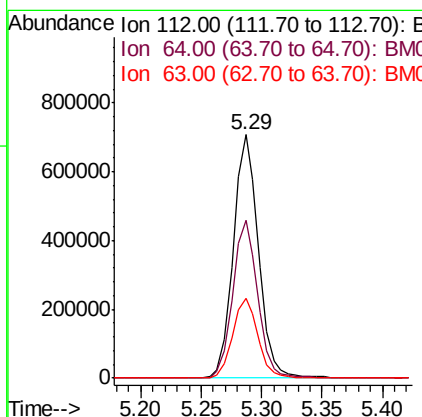
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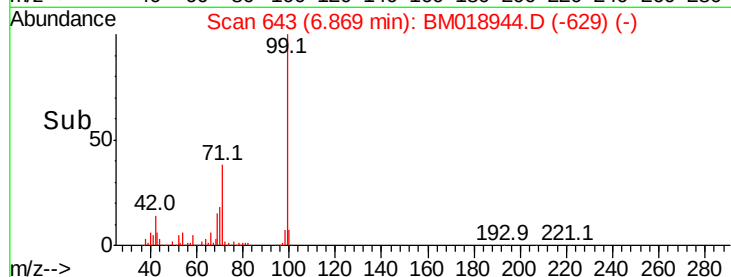
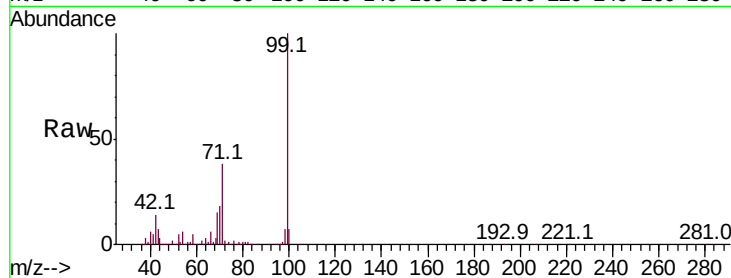
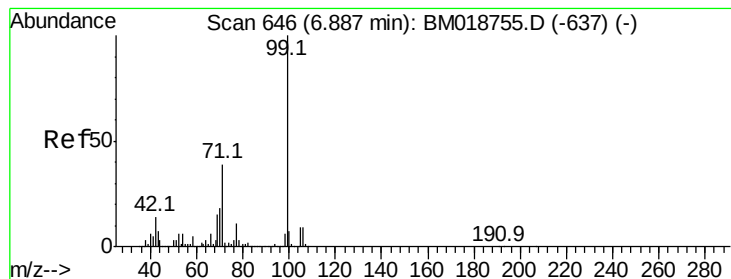


#5

2-Fluorophenol
Concen: 50.372 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	50.6	75.8
63	32.6	25.7	38.5





#7

Phenol-d6

Concen: 48.475 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Tot Ion: 99 Resp: 1391315

Ion Ratio Lower Upper

99 100

42 13.6 11.0 16.6

71 37.8 31.3 46.9

Instrument :

BNA_M

ClientSampleId :

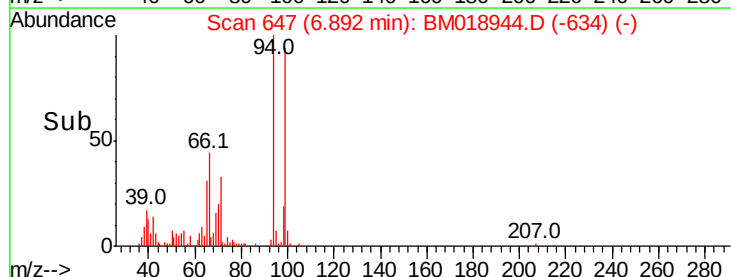
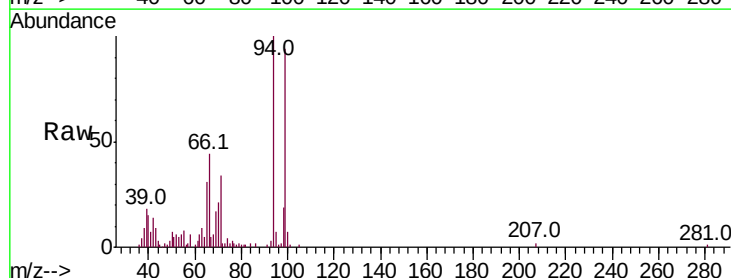
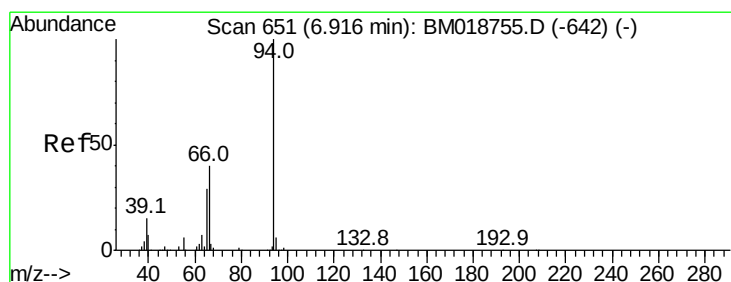
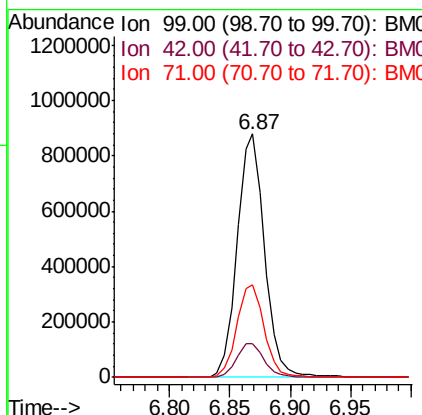
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#10

Phenol

Concen: 3.404 ng

RT: 6.89 min Scan# 647

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

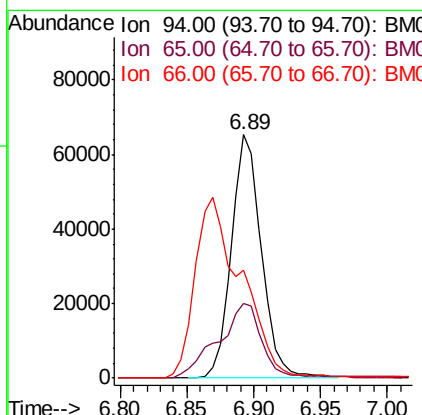
Tgt Ion: 94 Resp: 102812

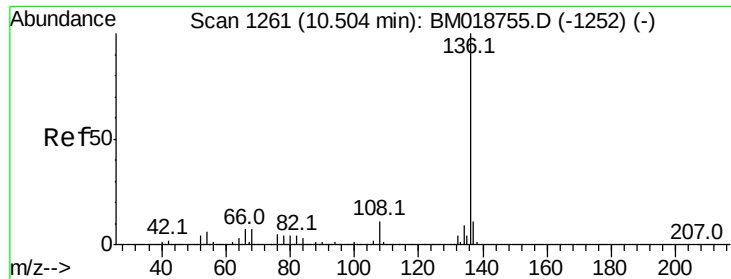
Ion Ratio Lower Upper

94 100

65 30.6 9.6 49.6

66 44.5 20.4 60.4





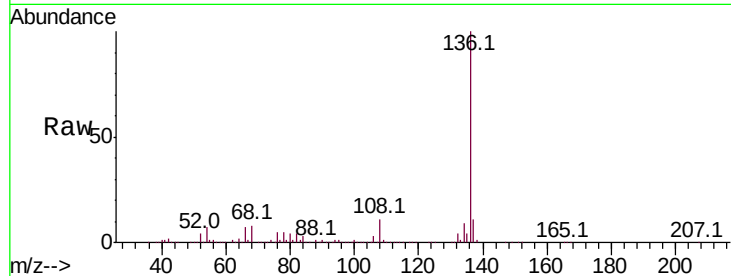
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Instrument :
BNA_M
ClientSampleId :
SU-02-022219-B

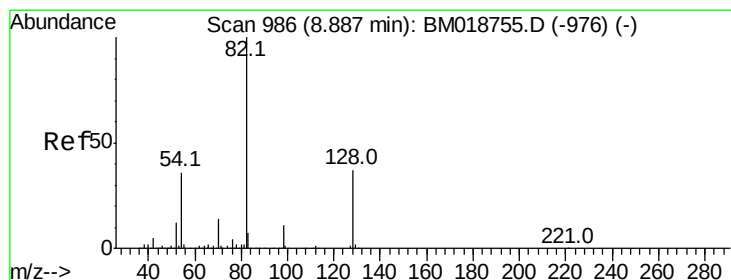
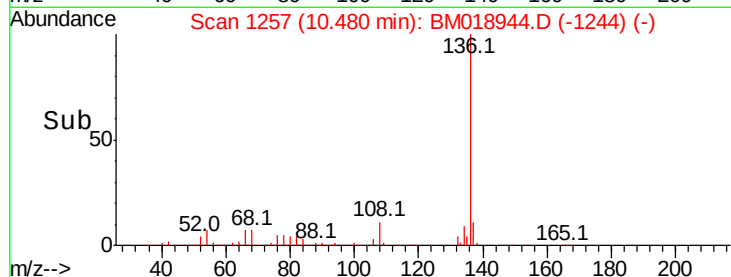
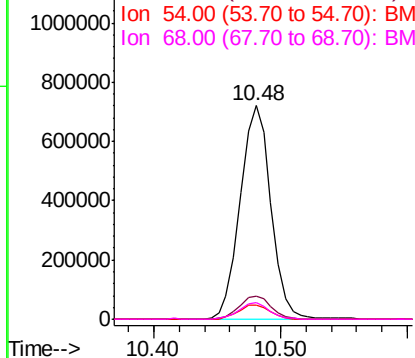
Tot Ion:	136	Resp:	1213473
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.8	5.0	7.6
68	7.6	5.5	8.3

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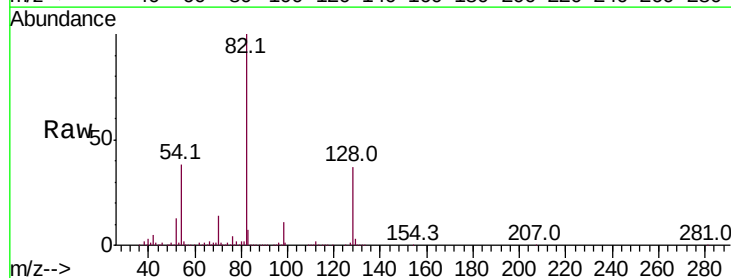


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

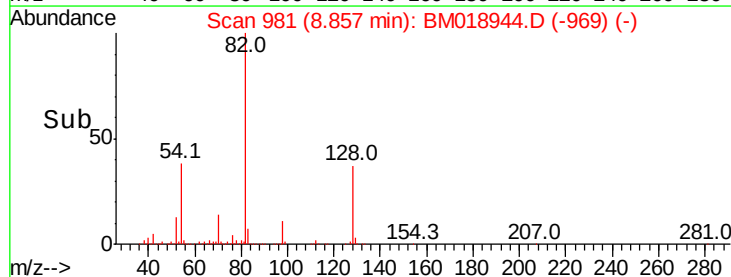
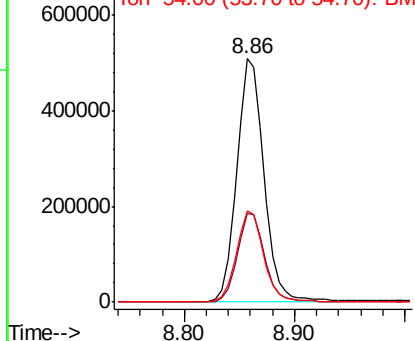


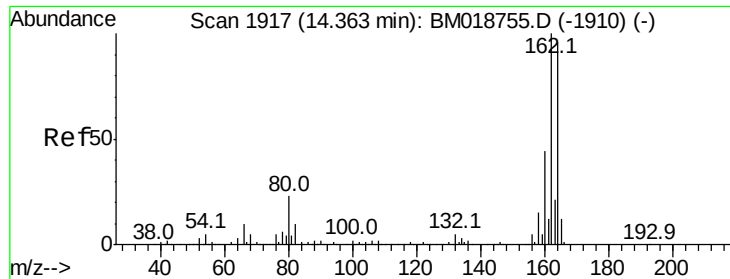
#23
Nitrobenzene-d5
Concen: 33.546 ng
RT: 8.86 min Scan# 981
Delta R.T. -0.03 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion:	82	Resp:	880379
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.9	44.9
54	37.8	29.1	43.7



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





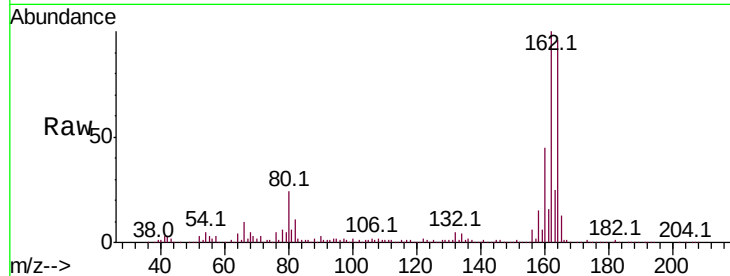
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Instrument :
BNA_M
ClientSampleId :
SU-02-022219-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	83.4	125.0	
160	46.5	36.6	55.0	

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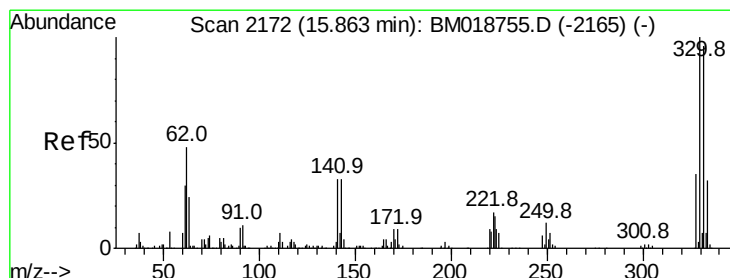
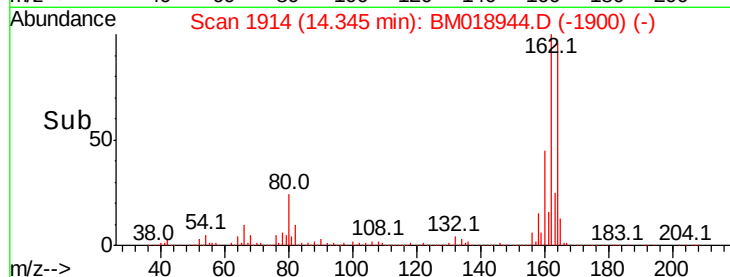
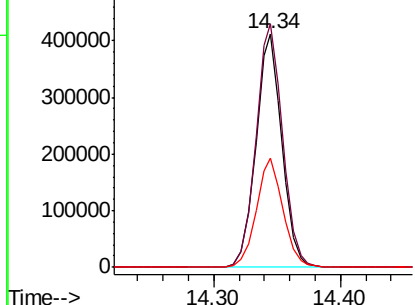


Abundance

Ion 164.00 (163.70 to 164.70): E

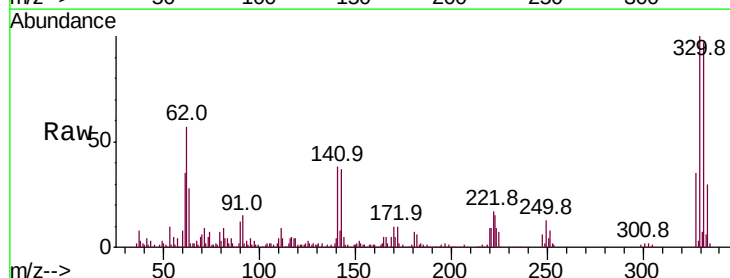
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 44.918 ng
RT: 15.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	76.9	115.3	
141	36.0	28.7	43.1	

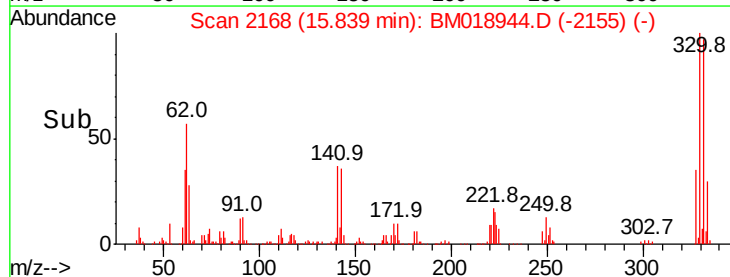
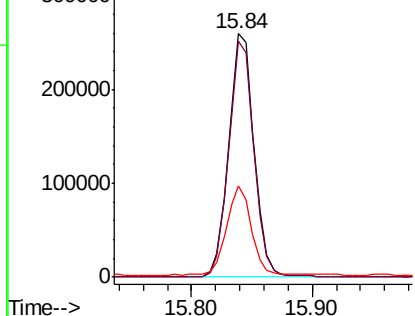


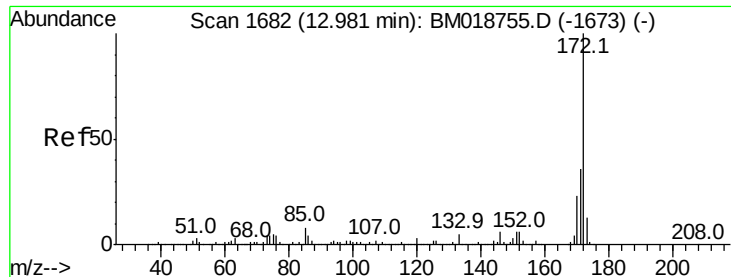
Abundance

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





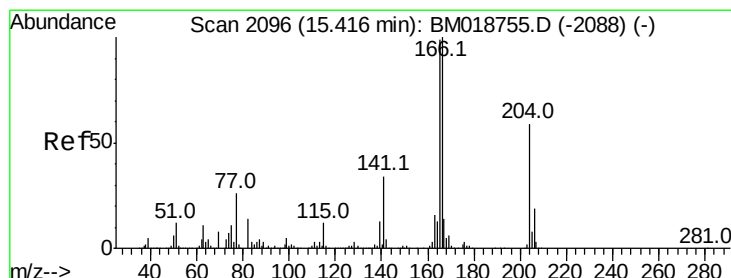
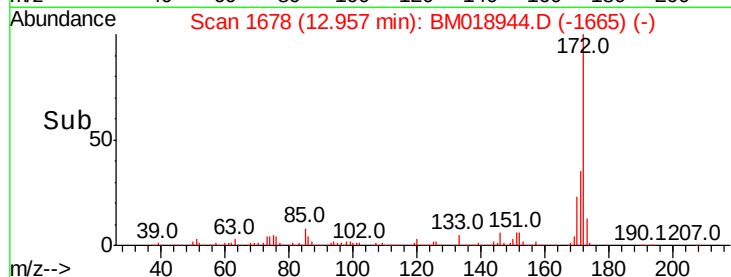
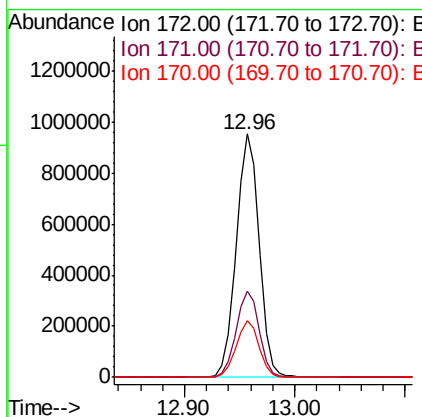
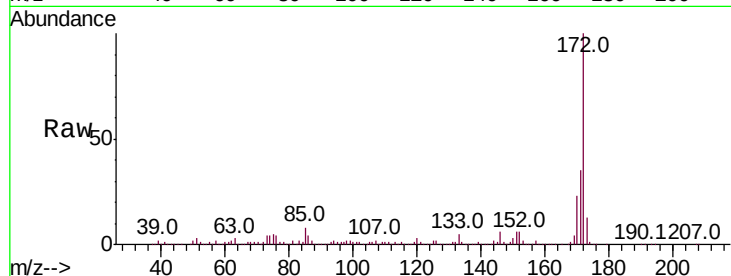
#45
2-Fluorobiphenyl
Concen: 31.579 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Instrument :
BNA_M
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SU-02-022219-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.6
170	23.3	18.6	28.0

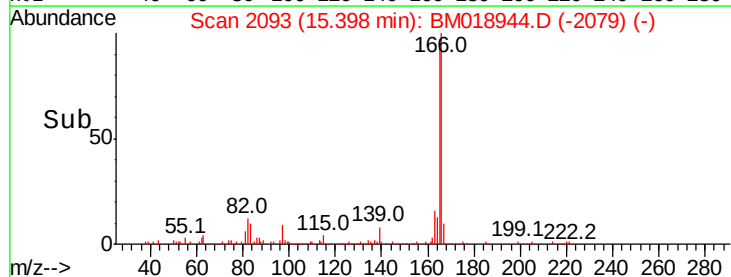
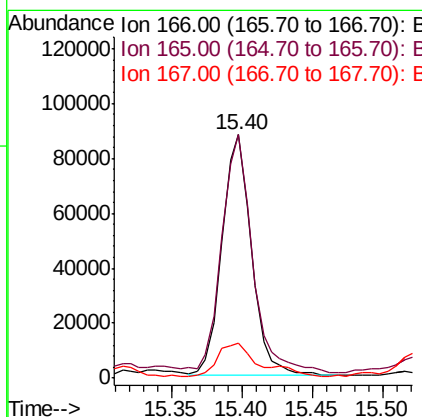
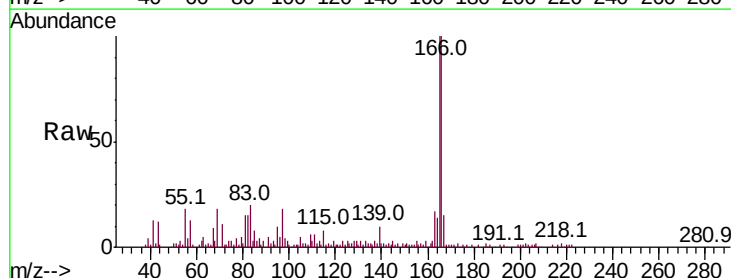
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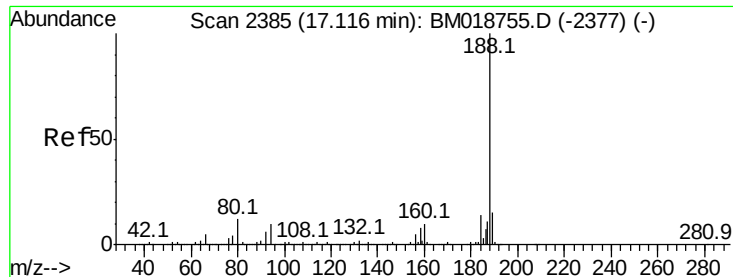
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#58
Fluorene
Concen: 2.857 ng
RT: 15.40 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.1	118.7
167	14.6	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

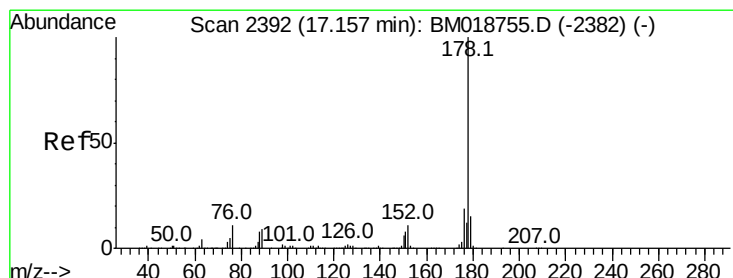
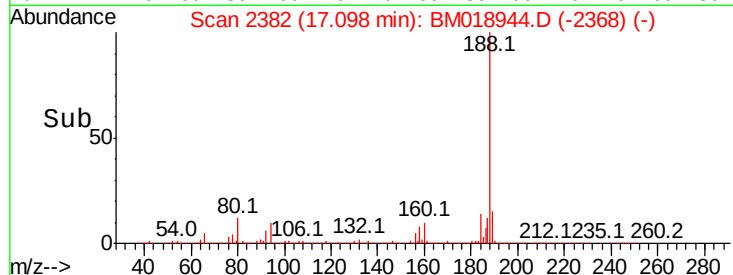
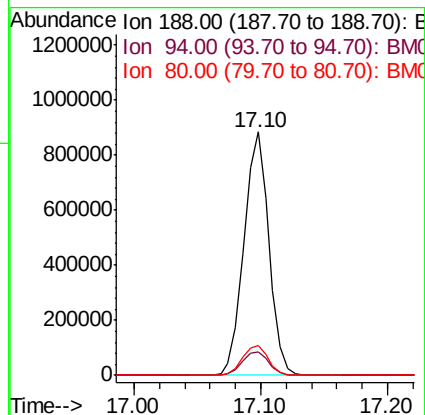
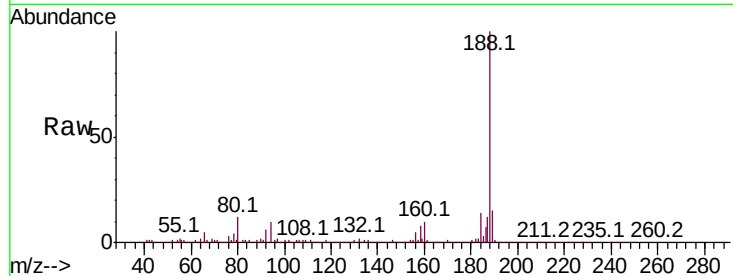
SU-02-022219-B

Tot Ion:188 Resp: 1202779

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	12.2	9.7	14.5

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#71

Phenanthrene

Concen: 15.885 ng

RT: 17.14 min Scan# 2389

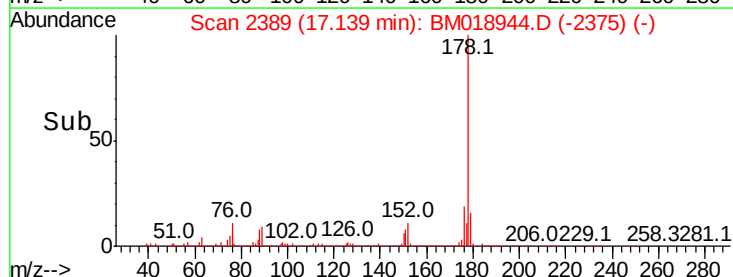
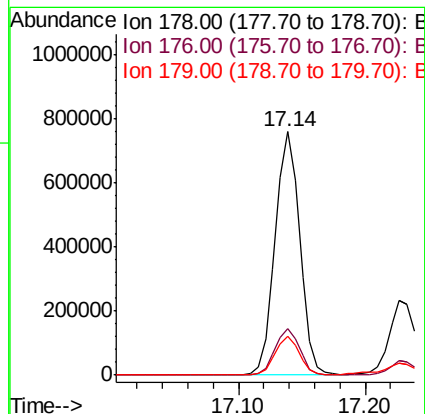
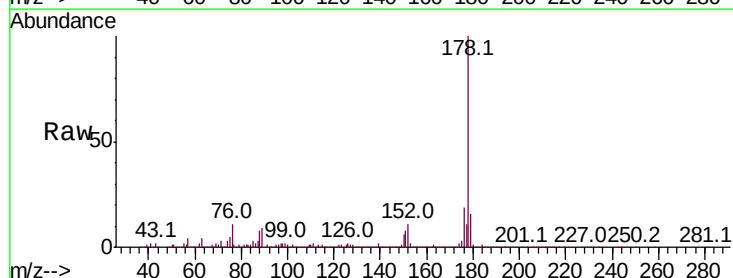
Delta R.T. -0.02 min

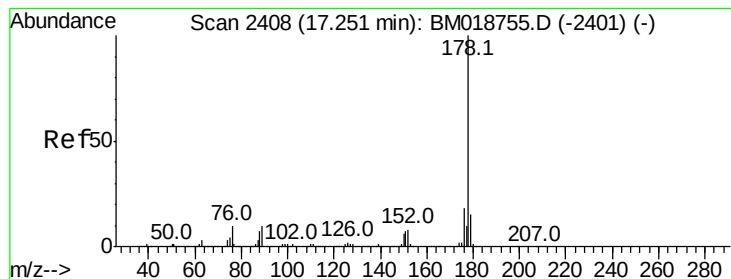
Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Tgt Ion:178 Resp: 1026807

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.8	12.3	18.5





#72

Anthracene

Concen: 5.257 ng

RT: 17.23 min Scan# 2404

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

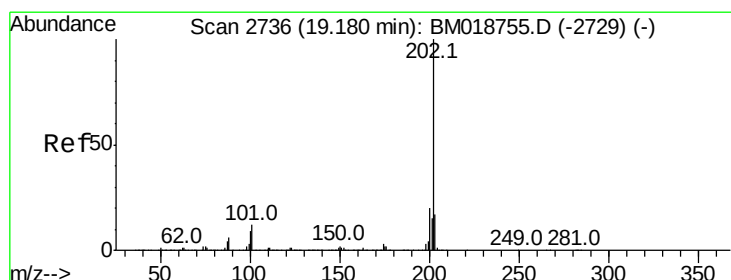
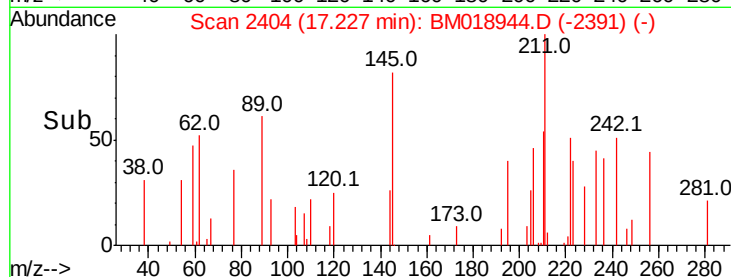
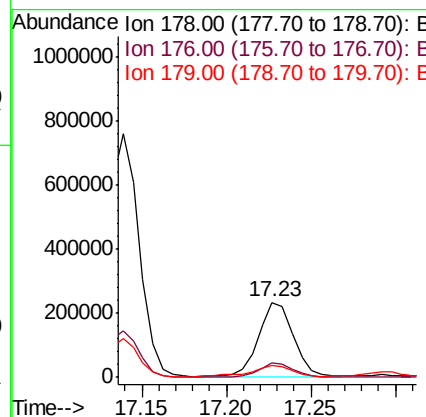
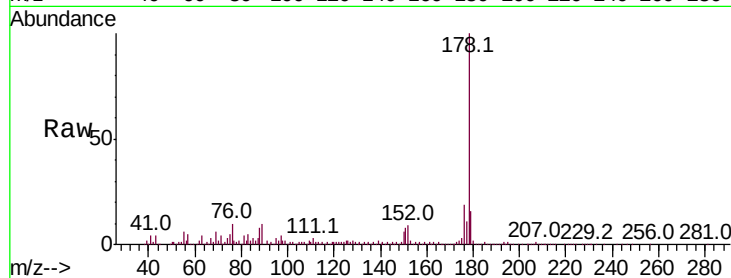
ClientSampleId :

SU-02-022219-B

Tot Ion:	178	Resp:	330750
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.8	22.2
179	16.1	12.1	18.1

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#75

Fluoranthene

Concen: 22.478 ng

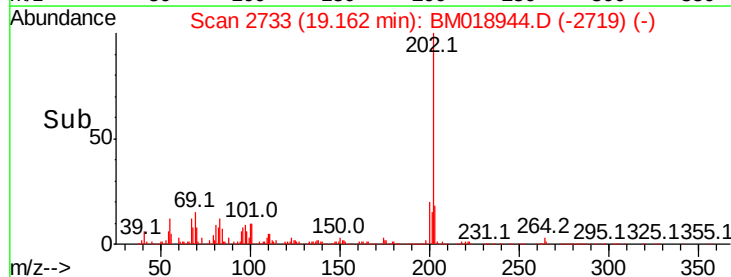
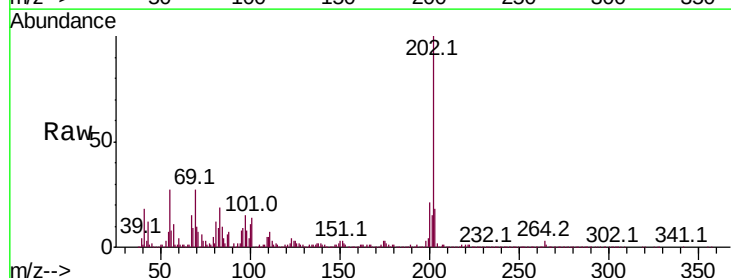
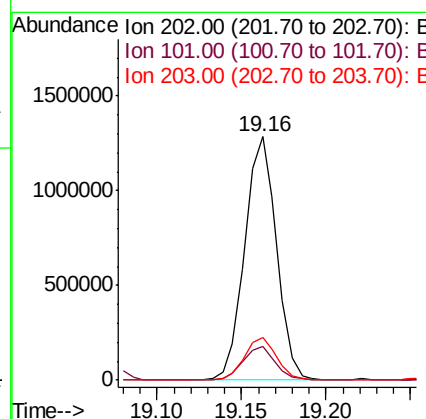
RT: 19.16 min Scan# 2733

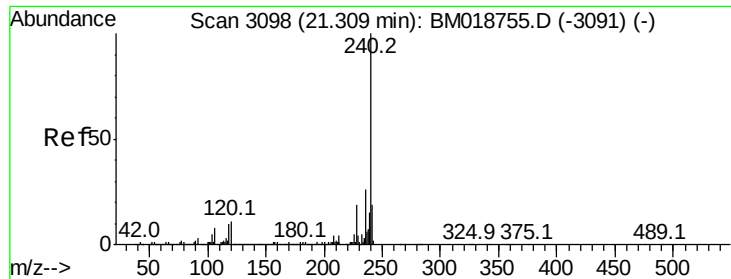
Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Tgt Ion:	202	Resp:	1678341
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	31.5
203	17.7	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: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

Tot Ion:240 Resp: 1304399

Ion Ratio Lower Upper

240 100

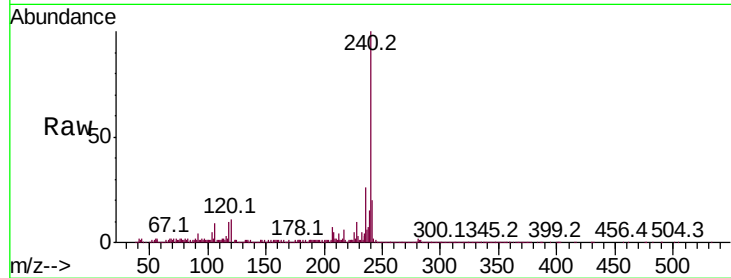
120 10.8 8.9 13.3

236 26.0 20.9 31.3

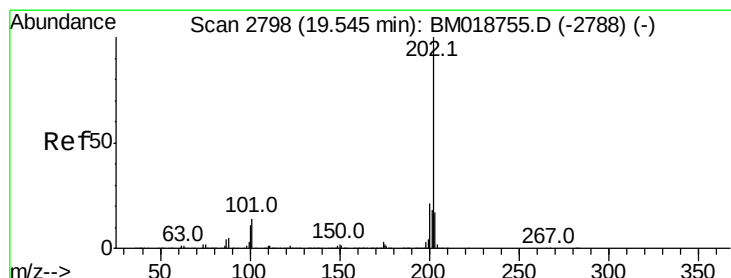
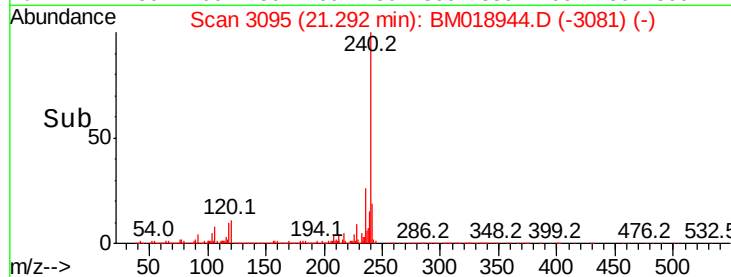
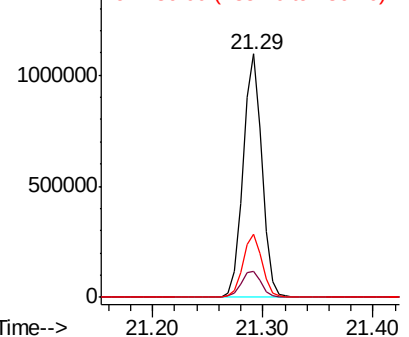
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Abundance Ion 240.00 (239.70 to 240.70): E
1500000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 18.342 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

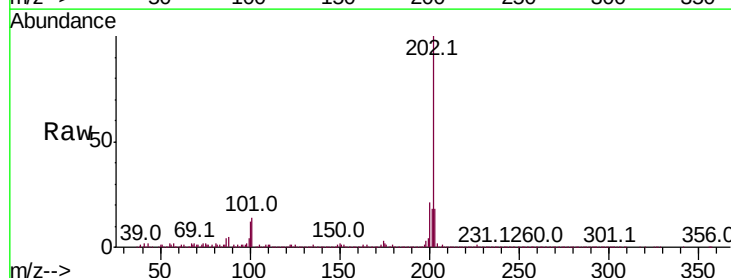
Tgt Ion:202 Resp: 1389584

Ion Ratio Lower Upper

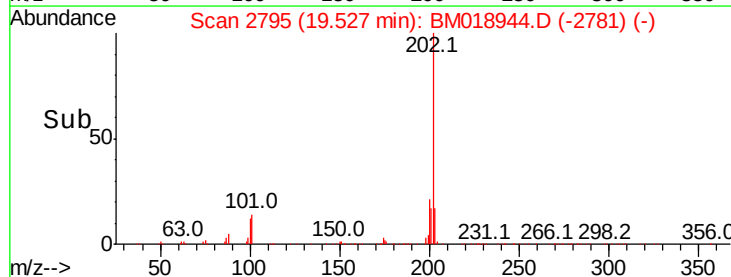
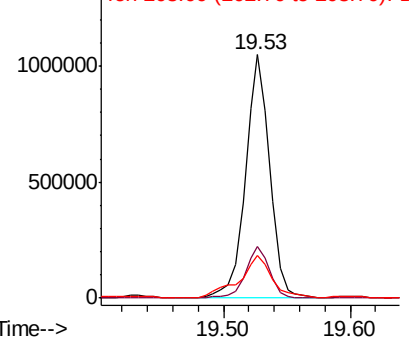
202 100

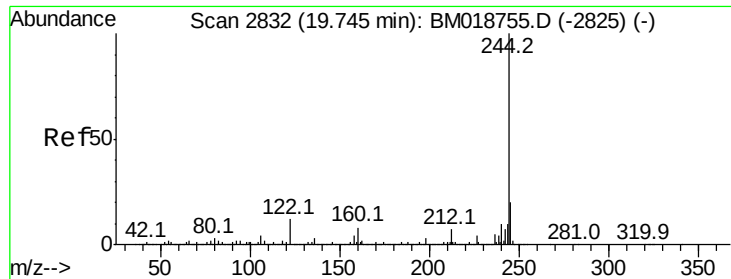
200 21.1 16.9 25.3

203 17.7 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
1000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





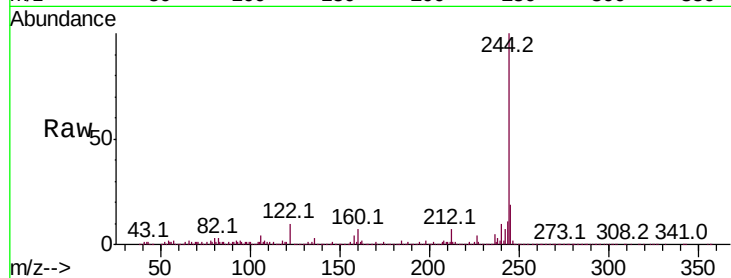
#79
 Terphenyl-d14
 Concen: 27.884 ng
 RT: 19.73 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BM018944.D
 Acq: 27 Feb 2019 00:03

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-022219-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.3	9.3	13.9

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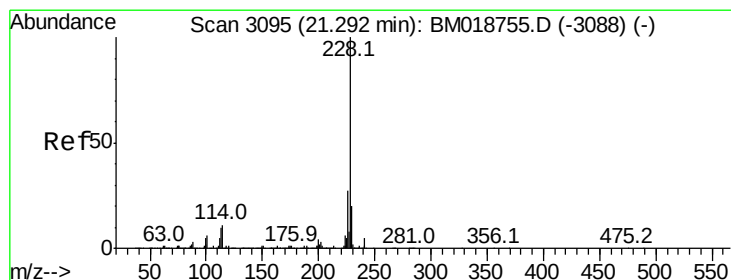
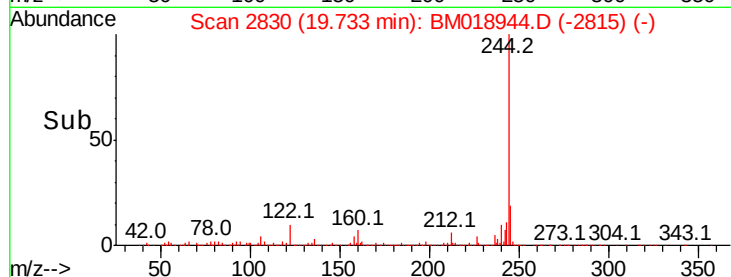
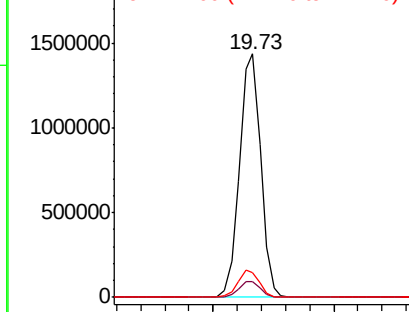


Abundance

Ion 244.00 (243.70 to 244.70): E

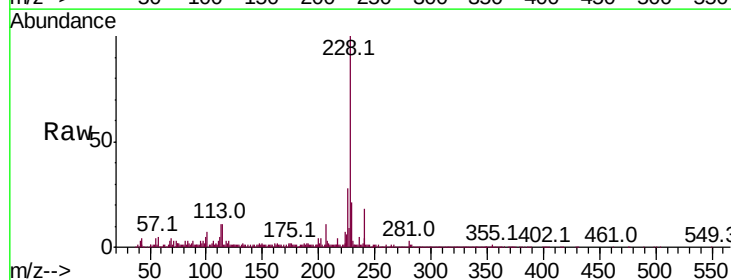
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 10.646 ng
 RT: 21.27 min Scan# 3092
 Delta R.T. -0.02 min
 Lab File: BM018944.D
 Acq: 27 Feb 2019 00:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	21.3	15.9	23.9

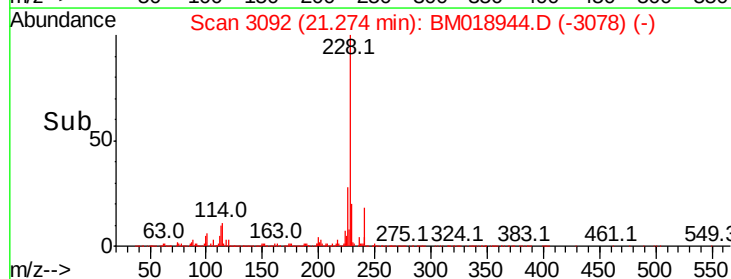
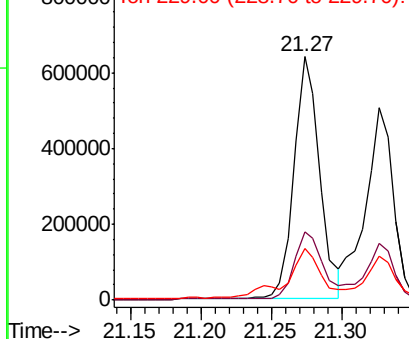


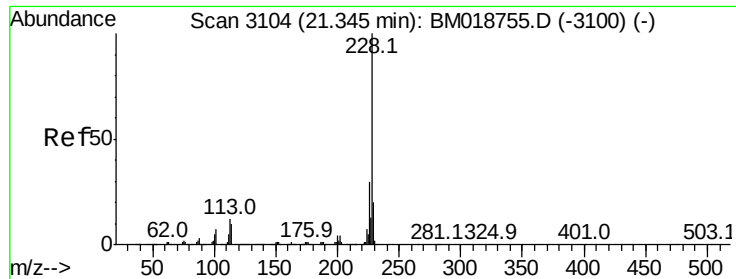
Abundance

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: 9.498 ng

RT: 21.33 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

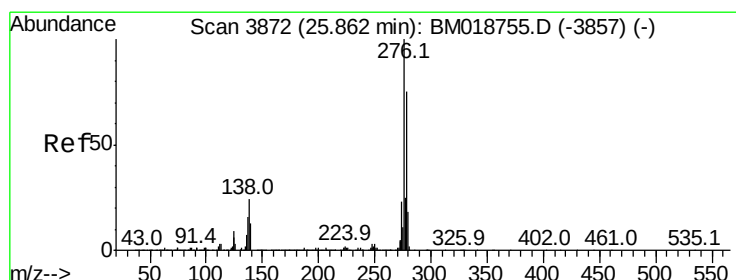
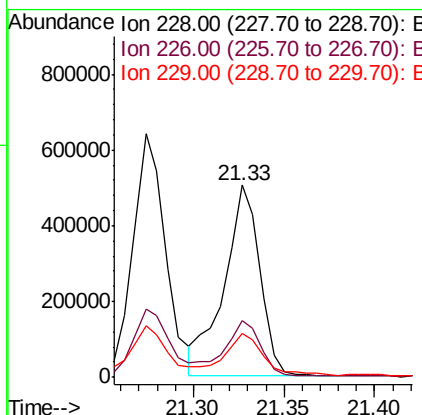
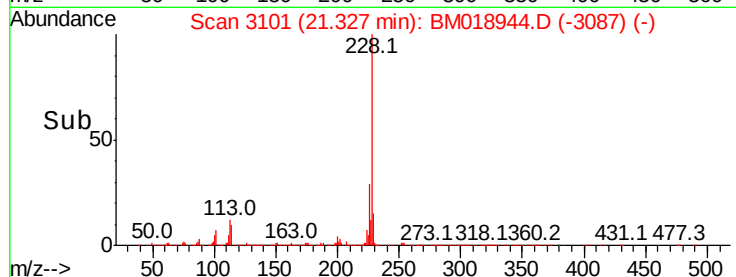
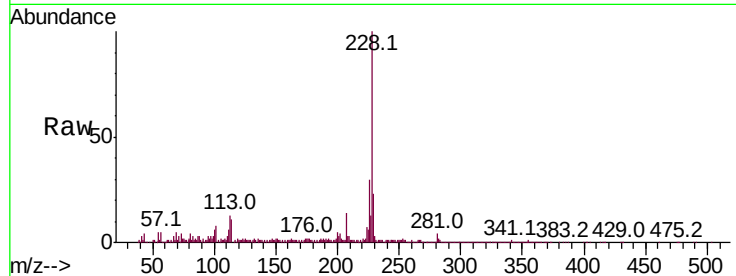
ClientSampleId :

SU-02-022219-B

Tot Ion:	228	Resp:	692221
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.1	36.1
229	22.7	16.0	24.0

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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.320 ng

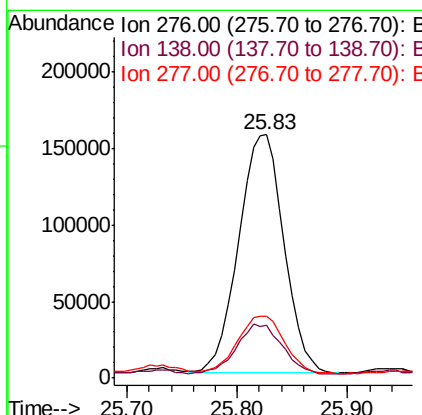
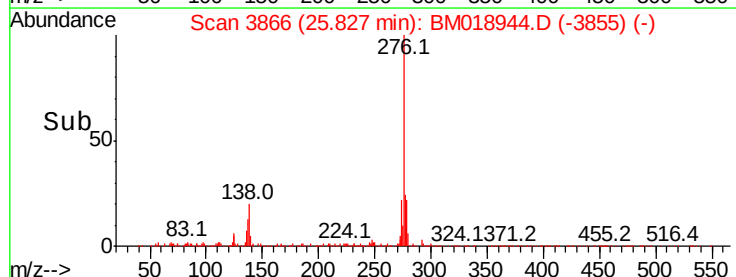
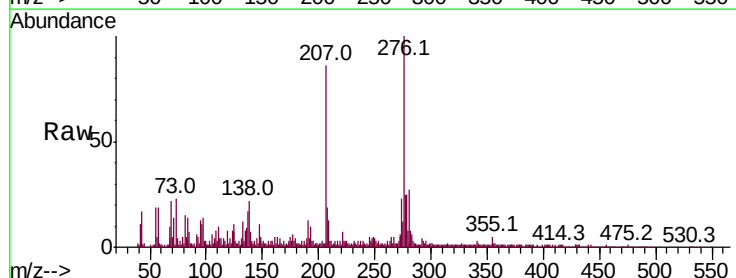
RT: 25.83 min Scan# 3866

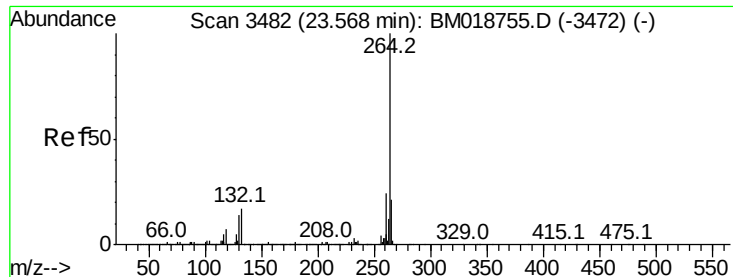
Delta R.T. -0.04 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Tgt Ion:	276	Resp:	447655
Ion Ratio	Lower	Upper	
276	100		
138	20.8	20.2	30.4
277	25.2	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

Tot Ion:264 Resp: 1434093

Ion Ratio Lower Upper

264 100

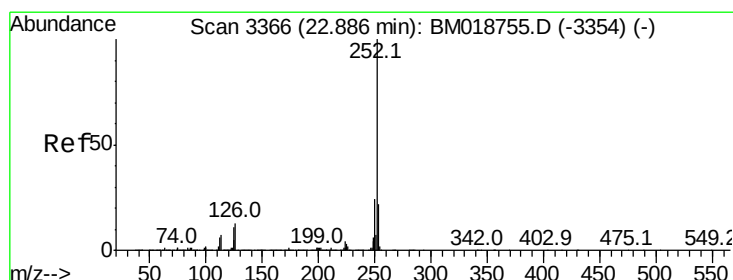
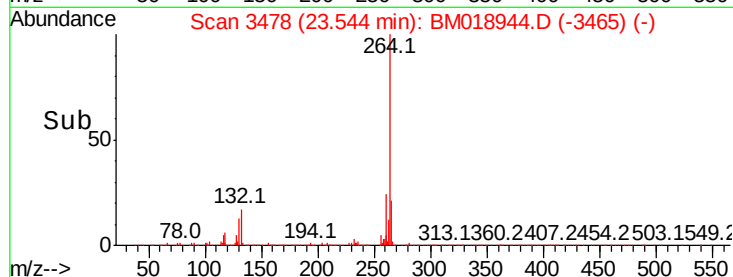
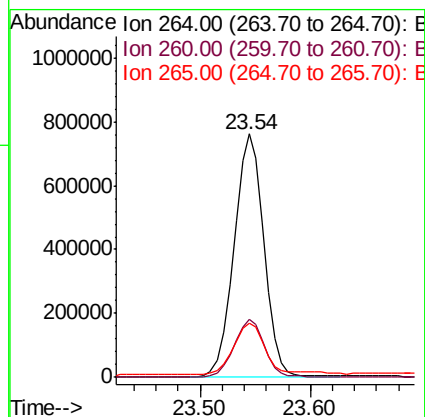
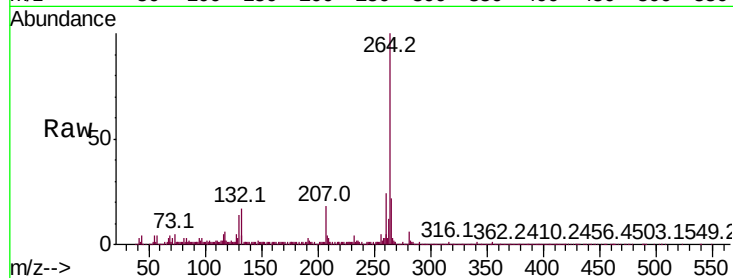
260 23.9 18.9 28.3

265 22.1 17.3 25.9

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#88

Benzo(b)fluoranthene

Concen: 11.965 ng

RT: 22.87 min Scan# 3363

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

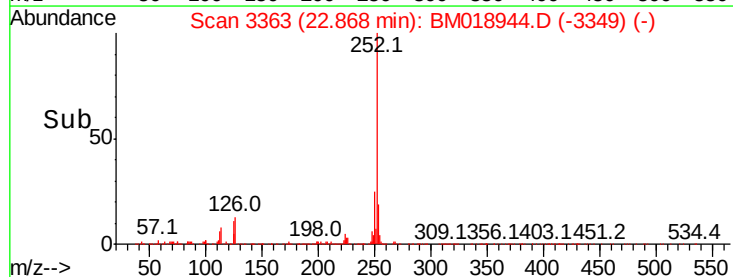
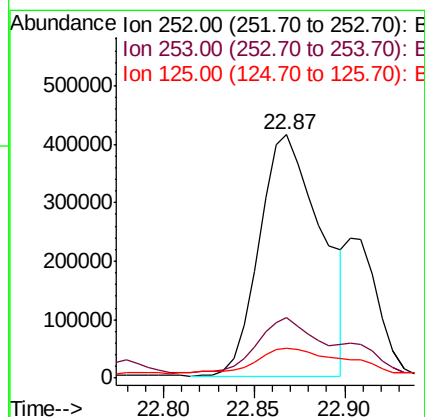
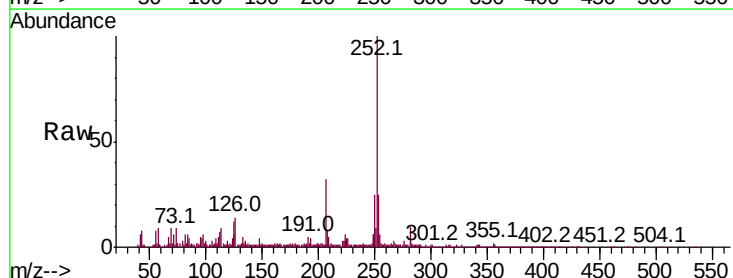
Tgt Ion:252 Resp: 981760

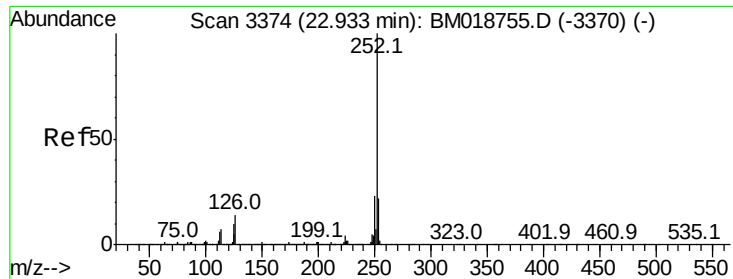
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 12.4 8.6 12.8





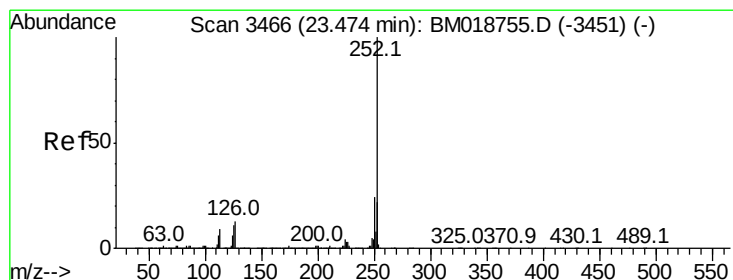
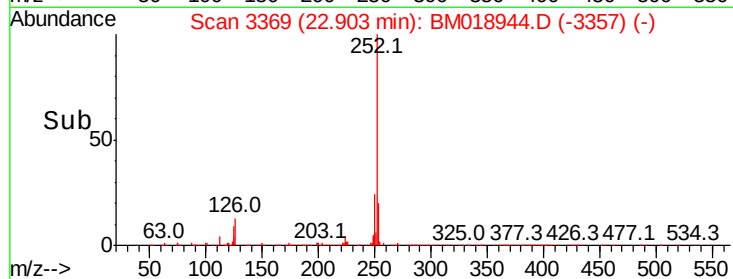
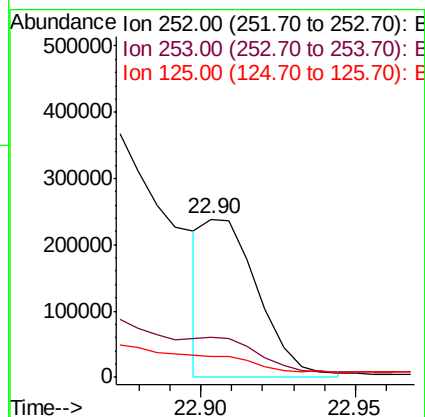
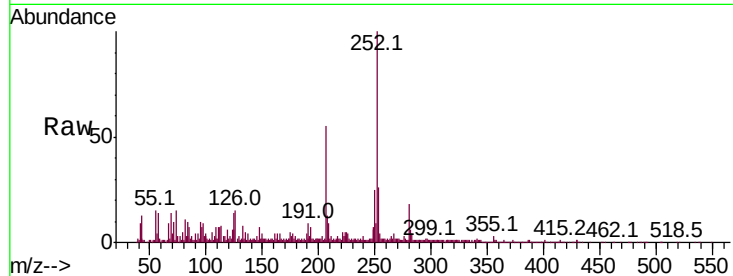
#89
Benzo(k)fluoranthene
Concen: 3.595 ng m
RT: 22.90 min Scan# 3369
Delta R.T. -0.03 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Instrument :
BNA_M
ClientSampleId :
SU-02-022219-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.7	26.5
125	13.5	8.2	12.4

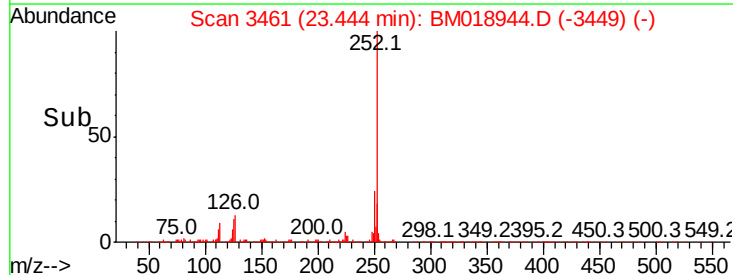
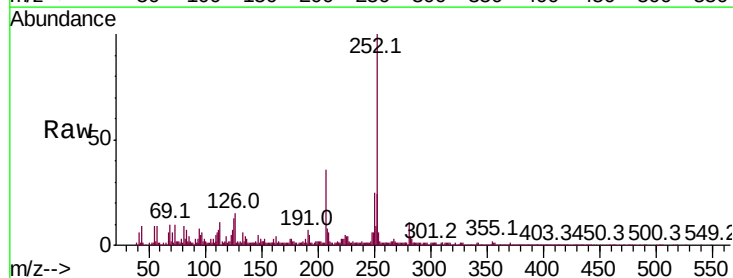
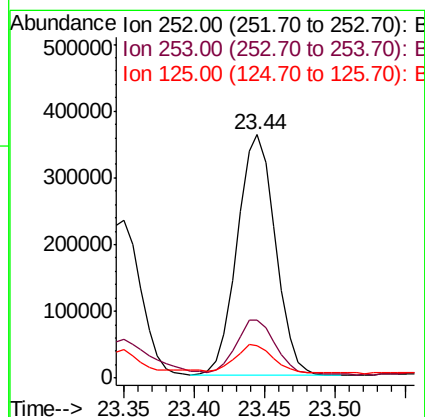
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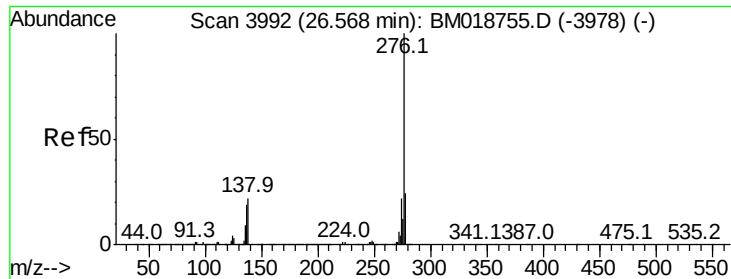
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#90
Benzo(a)pyrene
Concen: 8.787 ng
RT: 23.44 min Scan# 3461
Delta R.T. -0.03 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	13.5	8.6	13.0





#92
 Benzo(a,h,i)perylene
 Concen: 5.659 ng
 RT: 26.53 min Scan# 3985
 Delta R.T. -0.04 min
 Lab File: BM018944.D
 Acq: 27 Feb 2019 00:03

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-022219-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	22.4	17.3	25.9

Manual Integrations
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