

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
 Data File : BM018923.D
 Acq On : 25 Feb 2019 20:59
 Operator : JU/SJ
 Sample : K1356-11 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Feb 26 00:17:47 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	108650	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	470377	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	285046	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	689033	20.00	ng	-0.02
76) Chrysene-d12	21.30	240	933605	20.00	ng	-0.01
87) Perylene-d12	23.55	264	1037684	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	340609	51.36	ng	-0.02
7) Phenol-d6	6.86	99	479903	51.37	ng	-0.02
23) Nitrobenzene-d5	8.86	82	301988	29.69	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	206361	50.22	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	598776	27.89	ng	-0.02
79) Terphenyl-d14	19.73	244	1175566	25.98	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.89	94	36351	3.698	ng	93
58) Fluorene	15.40	166	66171	3.041	ng	# 99
71) Phenanthrene	17.14	178	586696	15.844	ng	100
72) Anthracene	17.23	178	184923	5.131	ng	98
75) Fluoranthene	19.16	202	1089055	25.461	ng	98
78) Pyrene	19.53	202	941278	17.359	ng	99
81) Benzo(a)anthracene	21.28	228	590795	10.856	ng	98
83) Chrysene	21.33	228	492193	9.436	ng	97
86) Indeno(1,2,3-cd)pyrene	25.83	276	313005	5.197	ng	96
88) Benzo(b)fluoranthene	22.87	252	721978	12.161	ng	# 95
89) Benzo(k)fluoranthene	22.91	252	201070m	3.402	ng	
90) Benzo(a)pyrene	23.45	252	493097	8.767	ng	# 94
92) Benzo(a,h,i)perylene	26.53	276	290478	5.600	ng	96

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

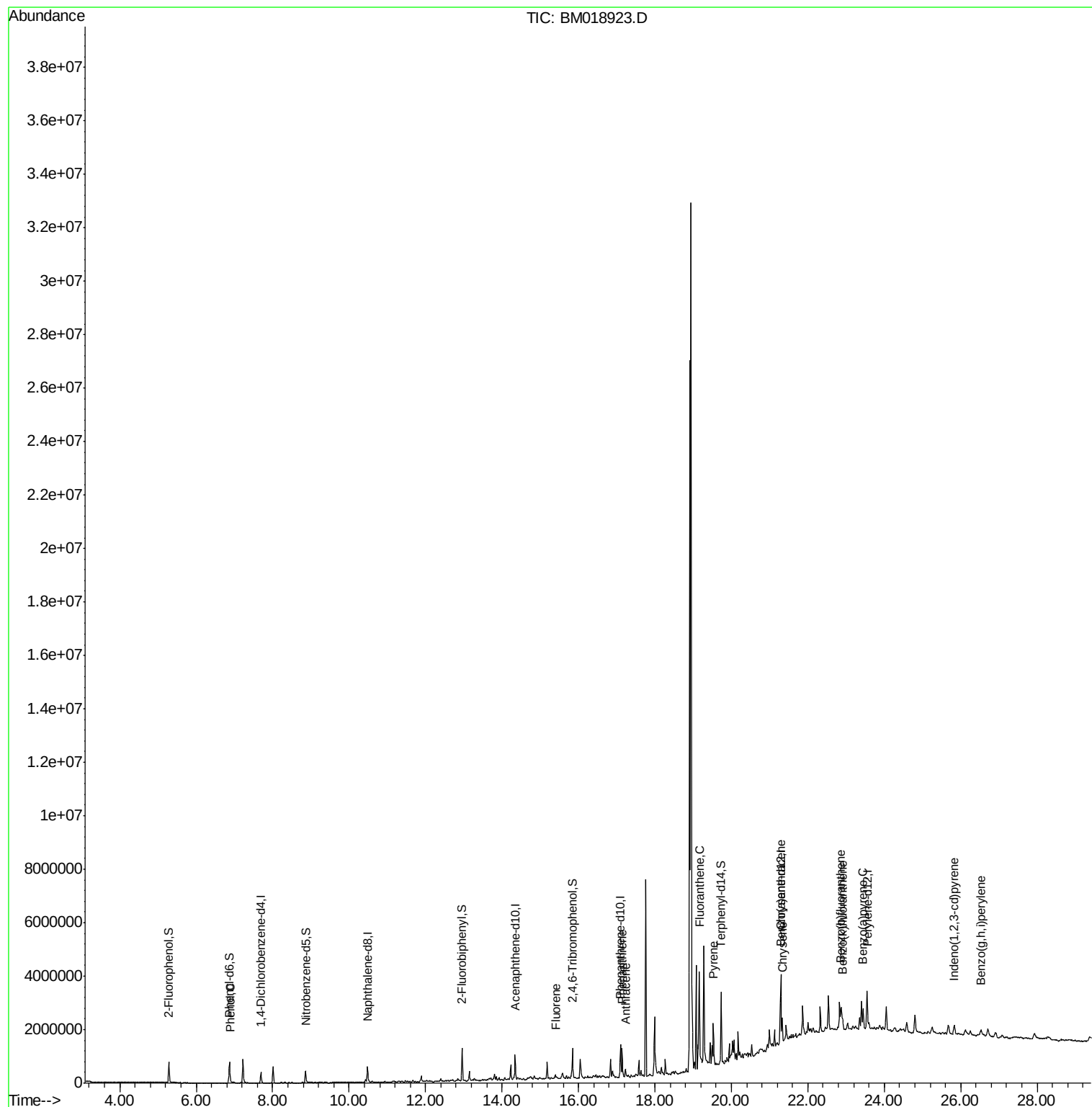
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018923.D
Acq On : 25 Feb 2019 20:59
Operator : JU/SJ
Sample : K1356-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

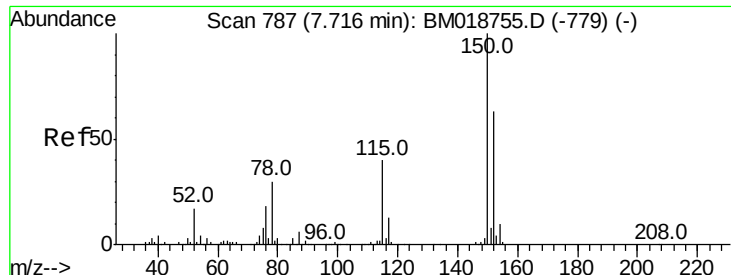
Instrument :
BNA_M
ClientSampleId :
SU-02-022219-B

Quant Time: Feb 26 00:17:47 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

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#1

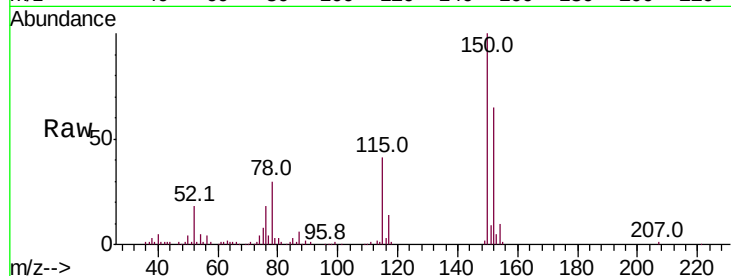
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	127.3	190.9
115	63.1	50.8	76.2

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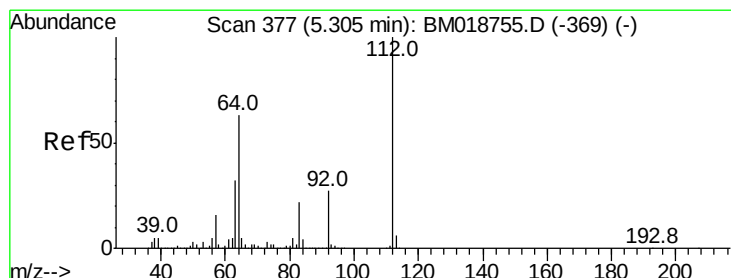
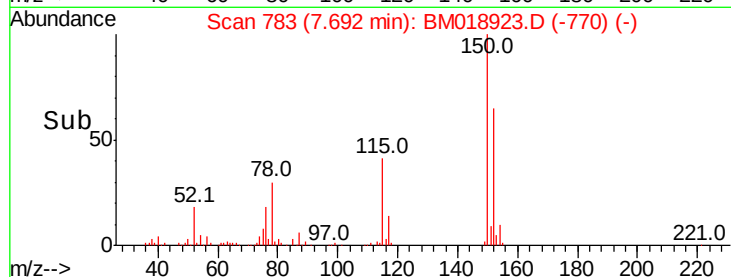
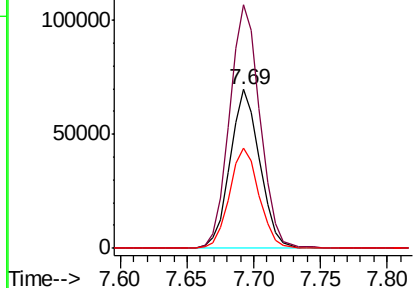


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

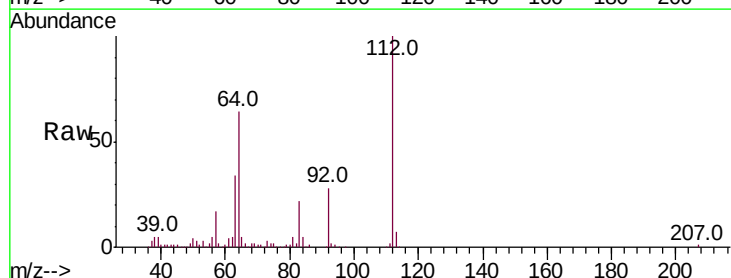
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.365 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	50.6	75.8
63	33.6	25.7	38.5

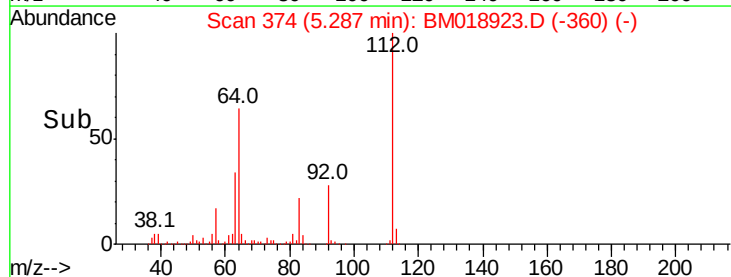
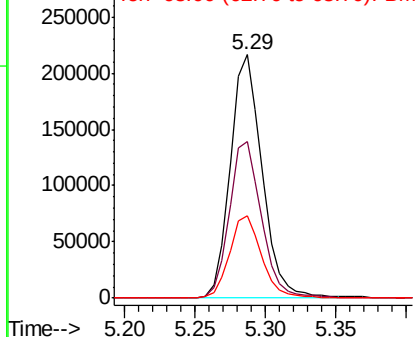


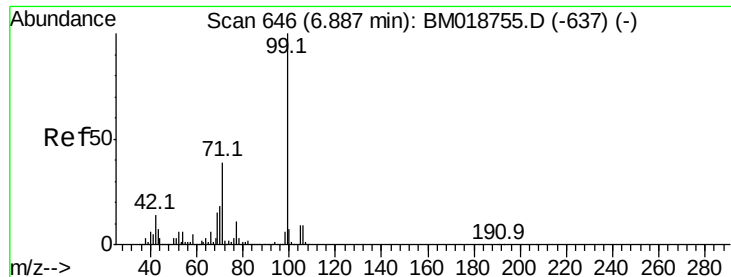
Abundance

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: 51.372 ng

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

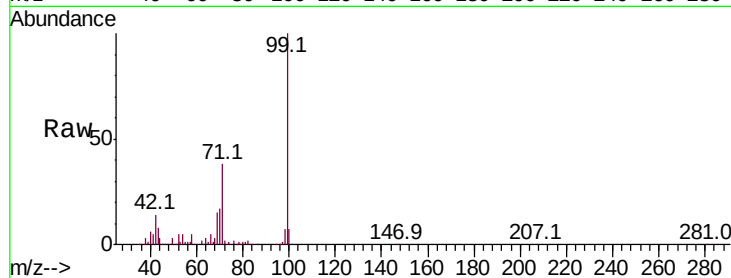
ClientSampleId :

SU-02-022219-B

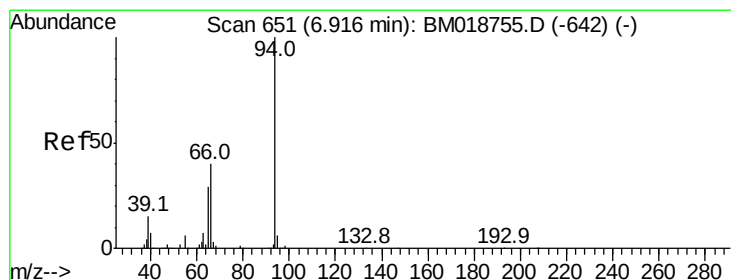
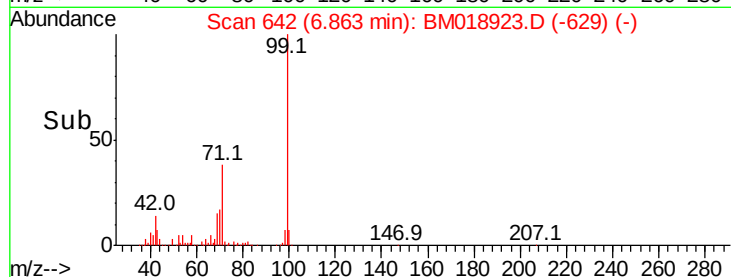
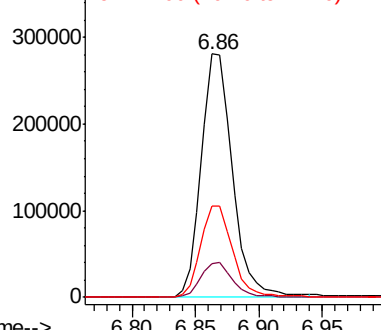
Tot Ion:	99	Resp:	479903
Ion Ratio	Lower	Upper	
99	100		
42	13.9	11.0	16.6
71	37.6	31.3	46.9

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



#10

Phenol

Concen: 3.698 ng

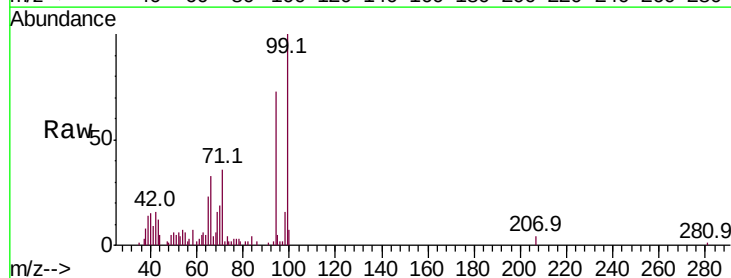
RT: 6.89 min Scan# 647

Delta R.T. -0.02 min

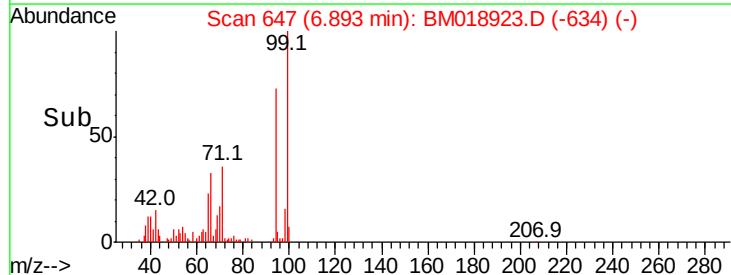
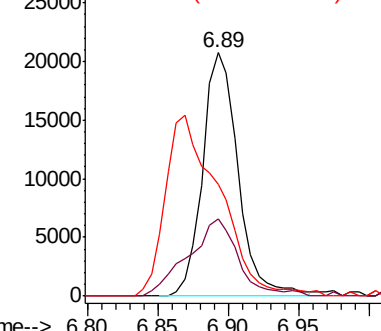
Lab File: BM018923.D

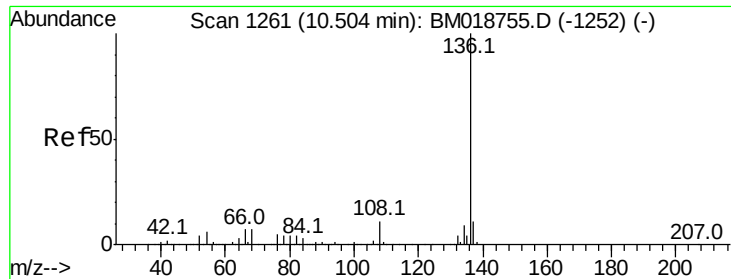
Acq: 25 Feb 2019 20:59

Tgt Ion:	94	Resp:	36351
Ion Ratio	Lower	Upper	
94	100		
65	31.8	9.6	49.6
66	45.9	20.4	60.4



Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)





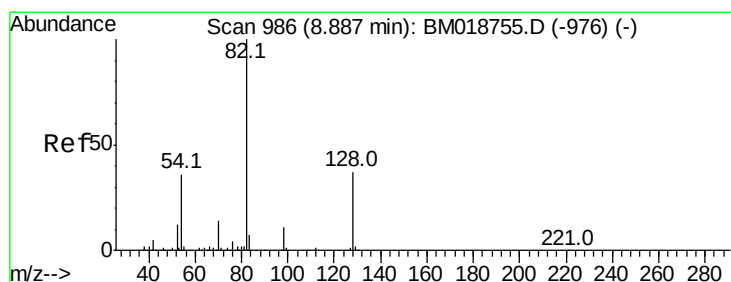
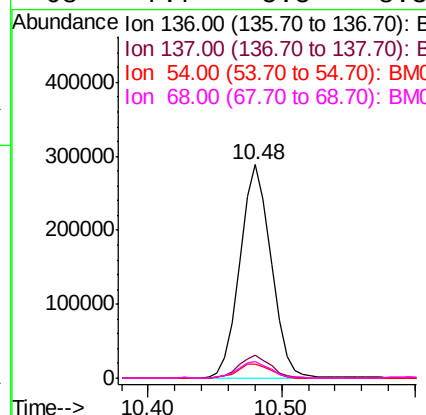
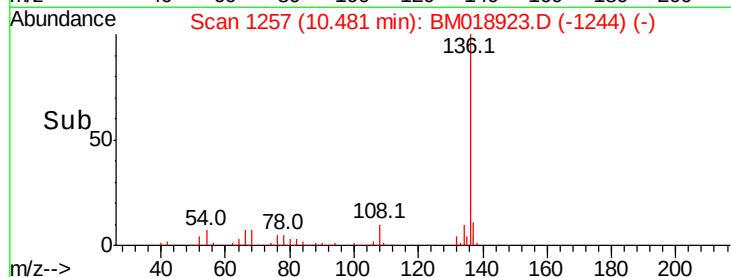
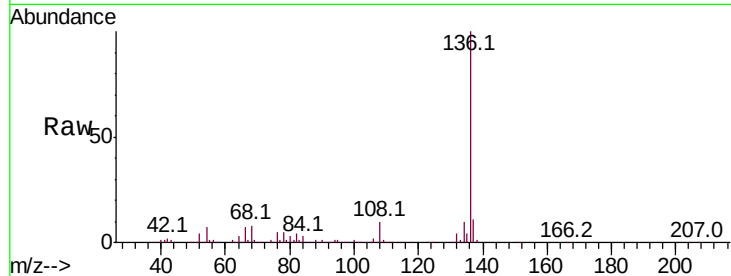
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	470377		
137	10.7		8.8	13.2
54	6.9		5.0	7.6
68	7.7		5.5	8.3

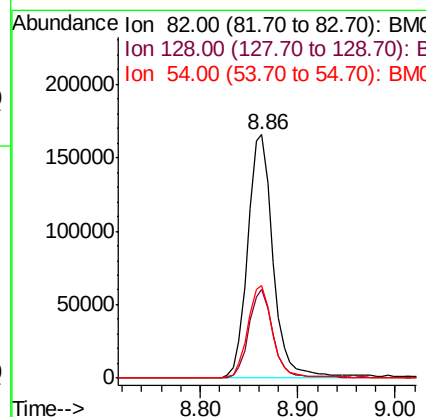
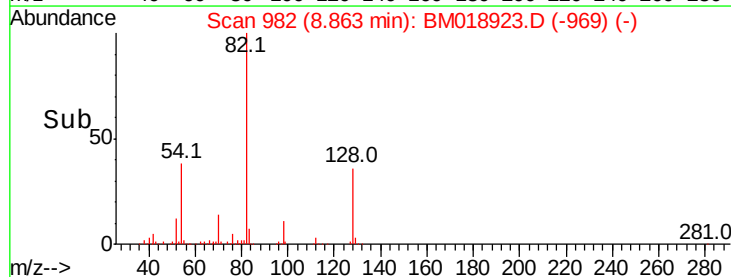
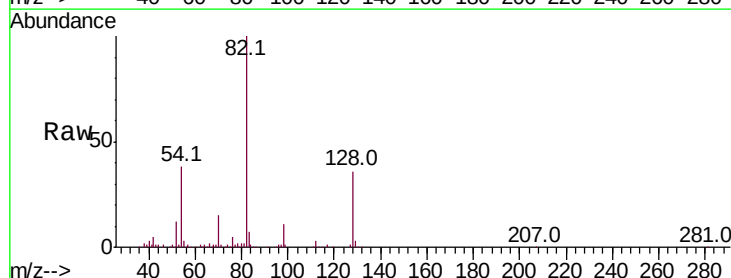
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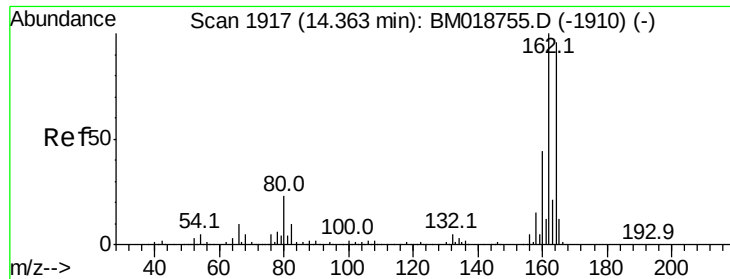
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#23
Nitrobenzene-d5
Concen: 29.686 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	301988		
128	36.2		29.9	44.9
54	37.8		29.1	43.7





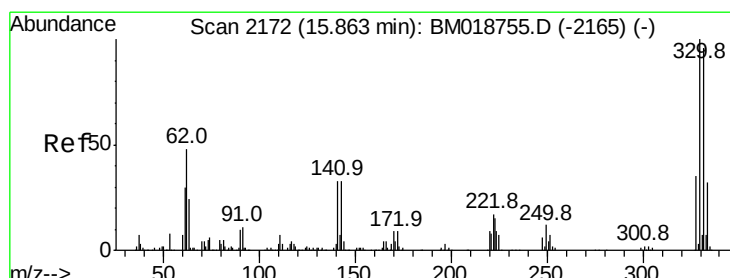
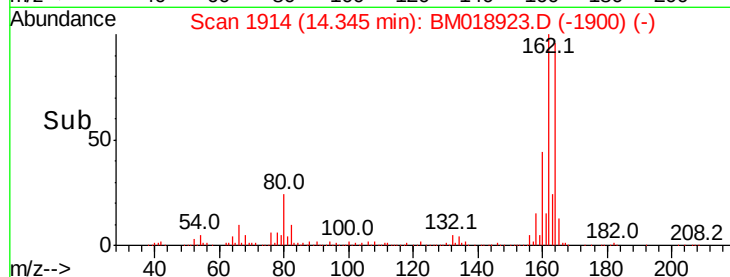
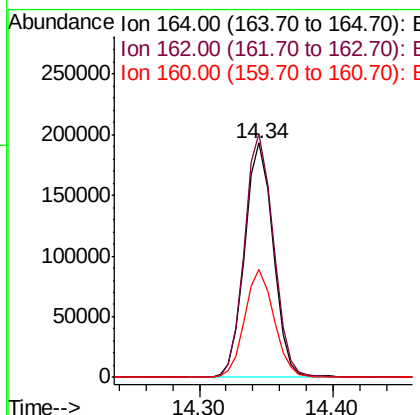
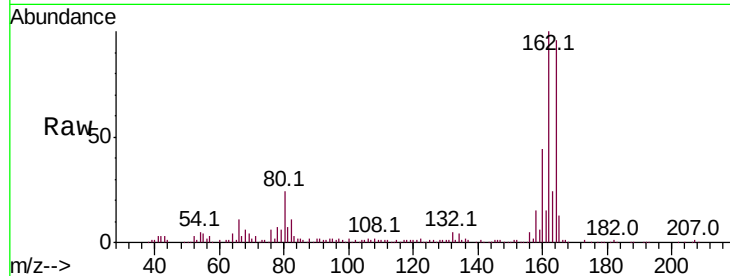
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100	285046		
162	103.9	83.4	125.0	
160	46.1	36.6	55.0	

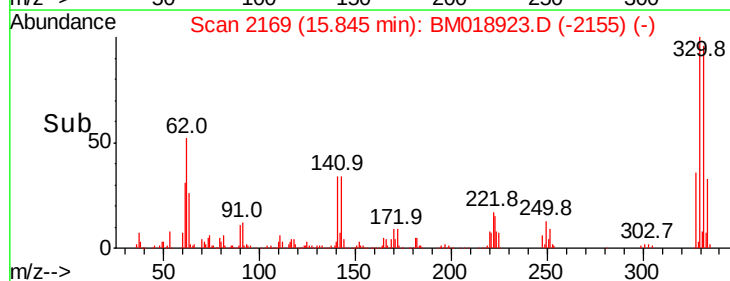
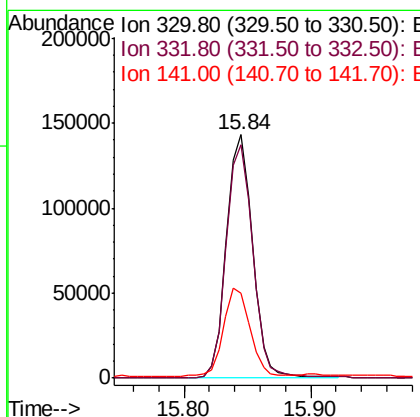
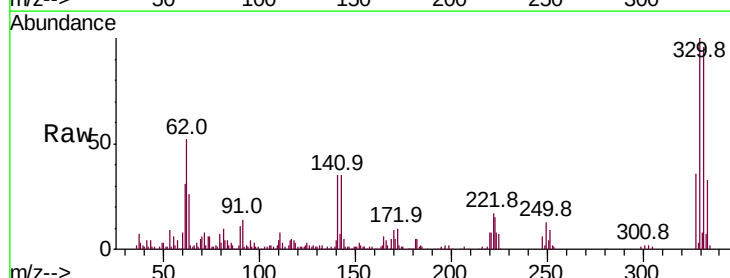
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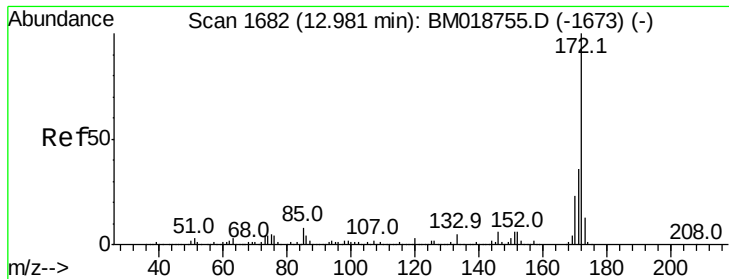
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#42
2,4,6-Tribromophenol
Concen: 50.223 ng
RT: 15.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BM018923.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	206361		
332	97.2	76.9	115.3	
141	36.9	28.7	43.1	





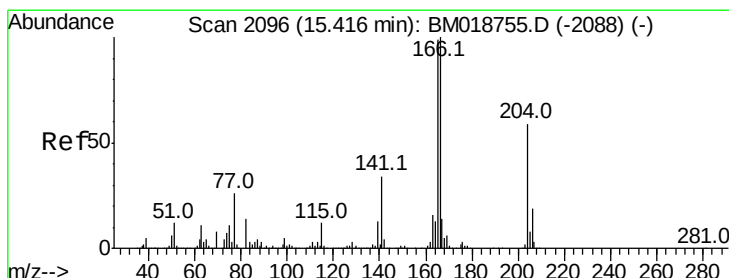
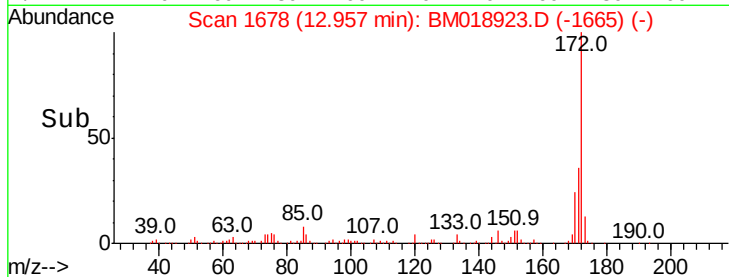
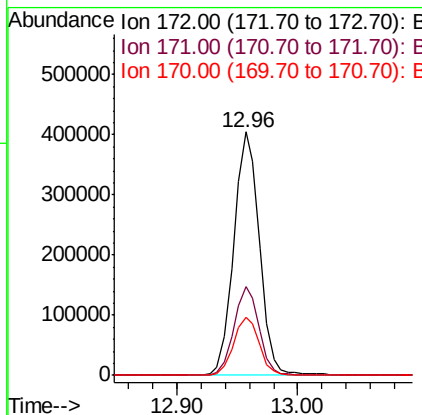
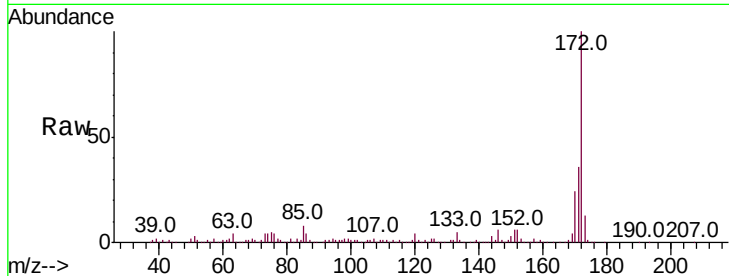
#45
2-Fluorobiphenyl
Concen: 27.885 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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BNA_M
ClientSampleId :
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Tot Ion:	172	Resp:	598776
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.0	43.6
170	24.1	18.6	28.0

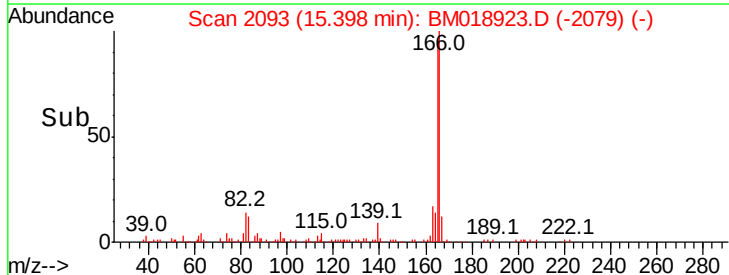
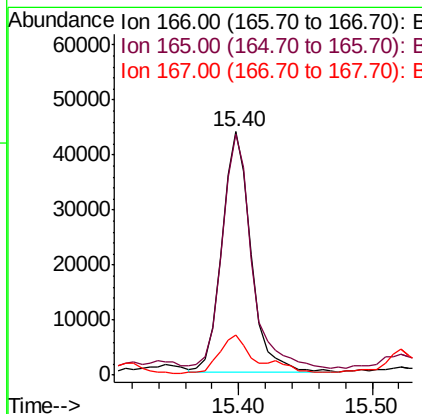
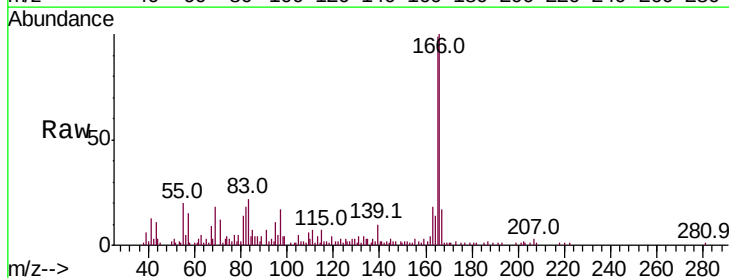
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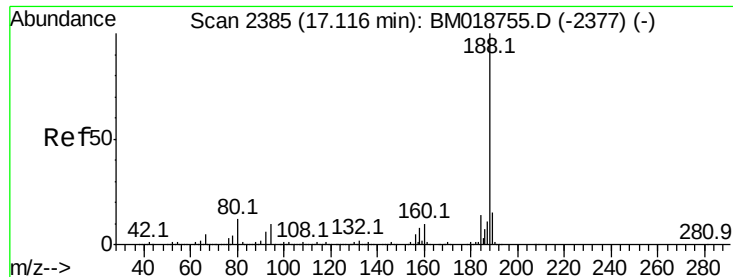
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#58
Fluorene
Concen: 3.041 ng
RT: 15.40 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion:	166	Resp:	66171
Ion Ratio	Lower	Upper	
166	100		
165	98.9	79.1	118.7
167	16.7	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: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

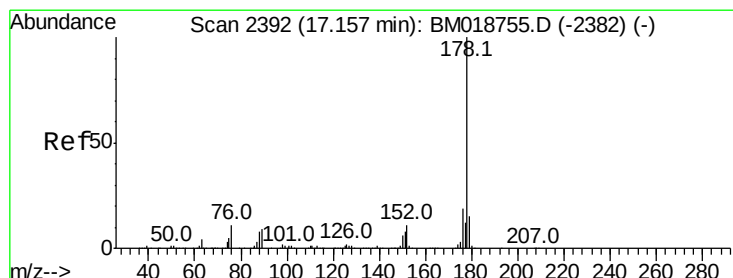
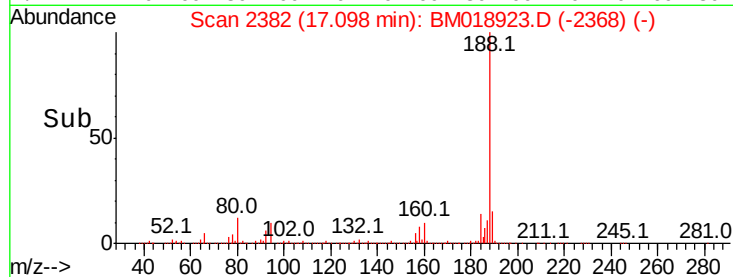
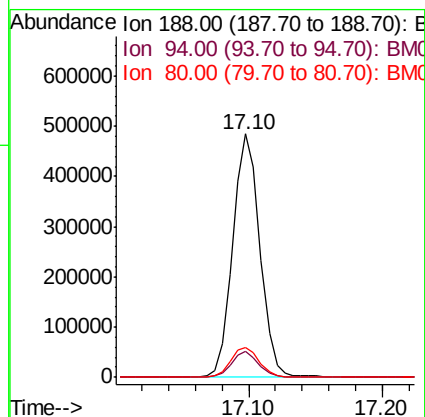
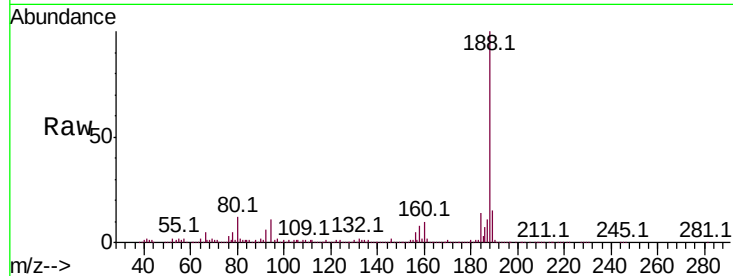
ClientSampleId :

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Tot Ion:	188	Resp:	689033
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.2	12.2
80	12.2	9.7	14.5

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#71

Phenanthrene

Concen: 15.844 ng

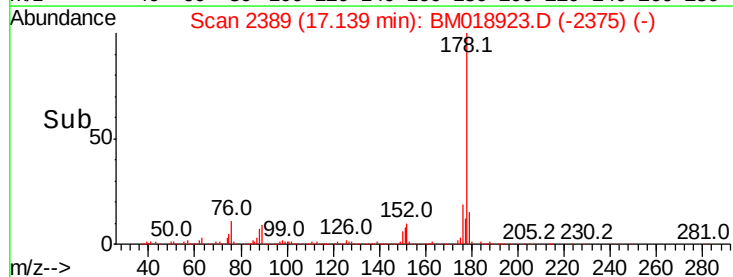
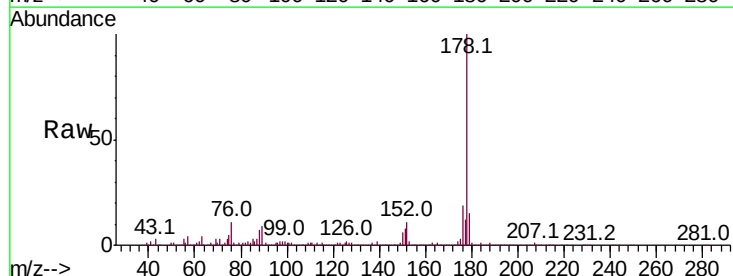
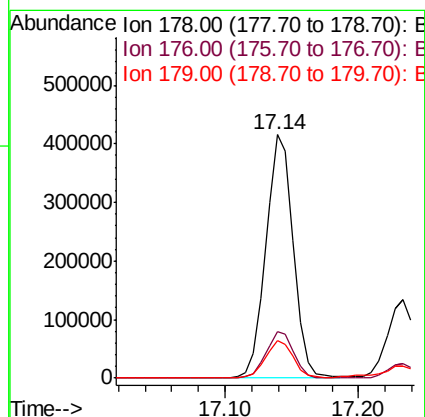
RT: 17.14 min Scan# 2389

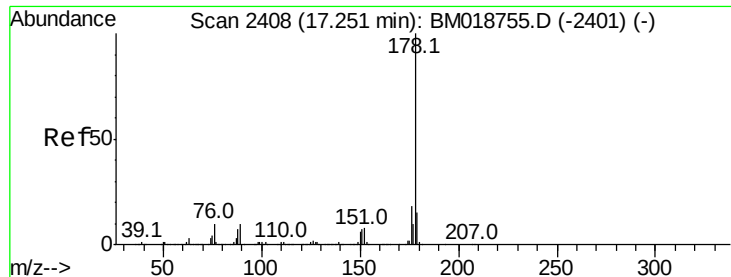
Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Tgt Ion:	178	Resp:	586696
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	15.4	12.3	18.5





#72

Anthracene

Concen: 5.131 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

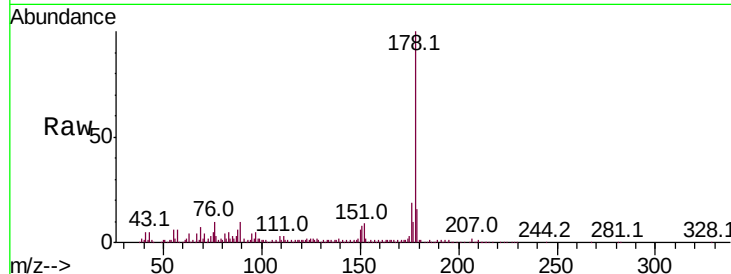
ClientSampled :

SU-02-022219-B

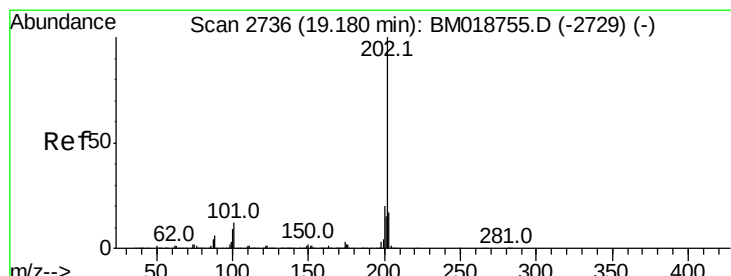
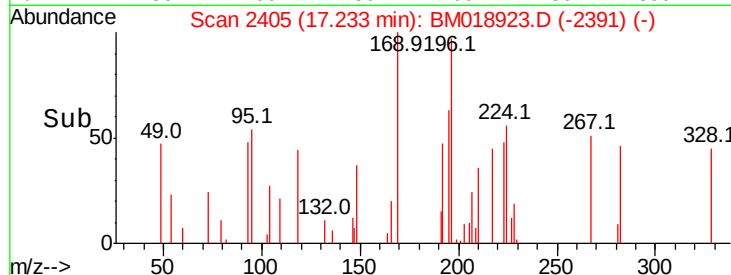
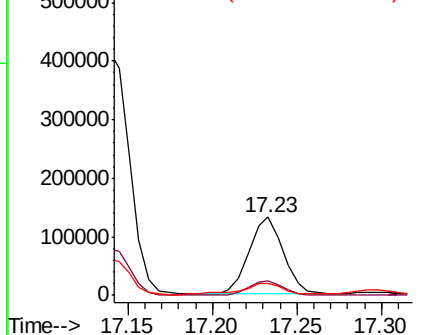
Tot Ion:	178	Resp:	184923
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.8	22.2
179	16.1	12.1	18.1

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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: 25.461 ng

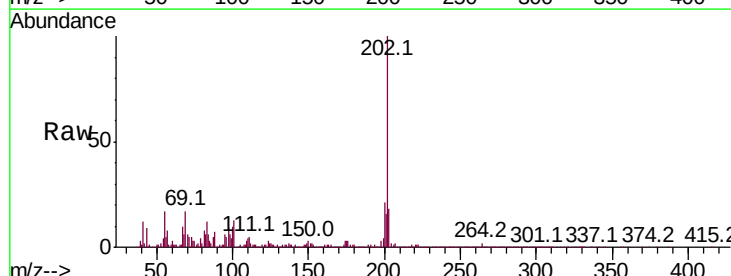
RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

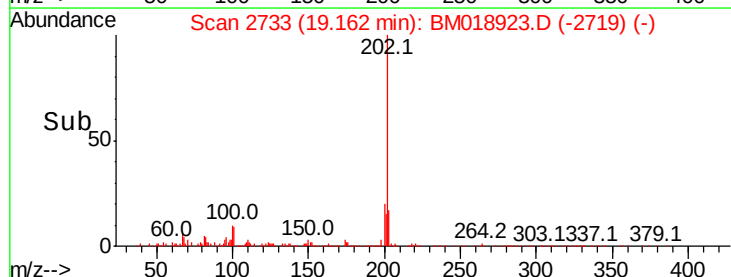
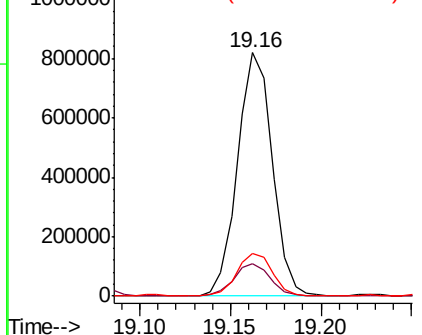
Lab File: BM018923.D

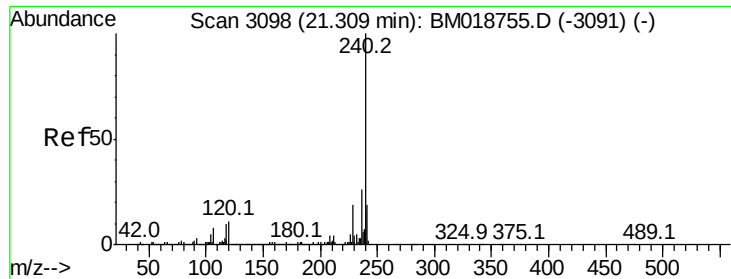
Acq: 25 Feb 2019 20:59

Tgt Ion:	202	Resp:	1089055
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	31.5
203	17.6	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





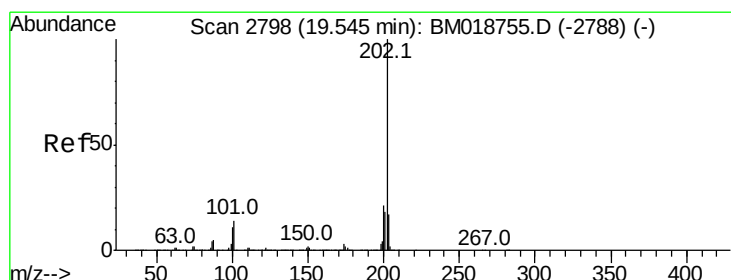
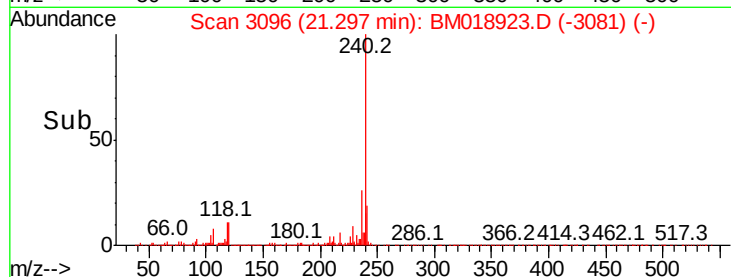
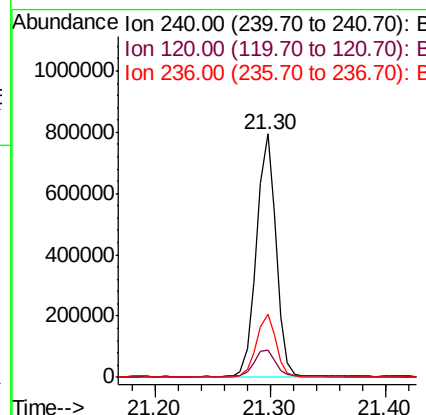
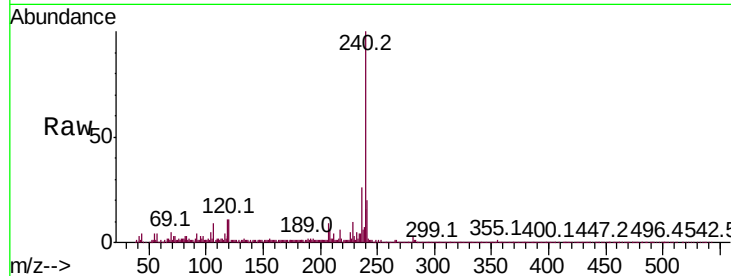
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.30 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.3	8.9	13.3
236	26.0	20.9	31.3

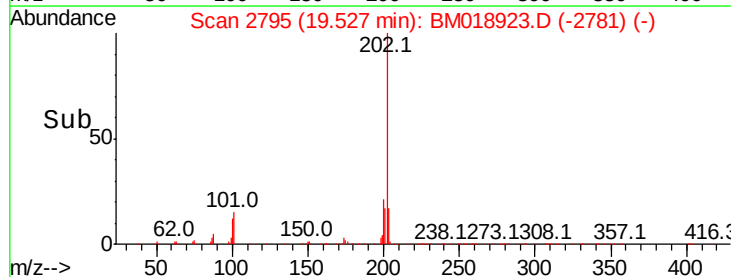
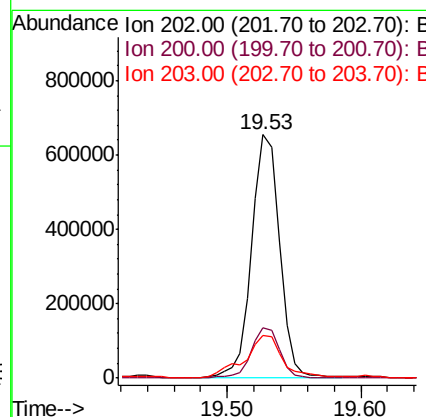
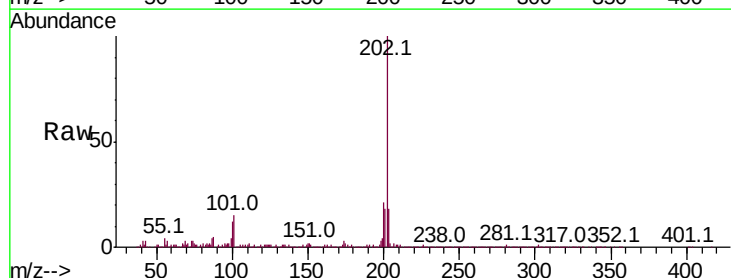
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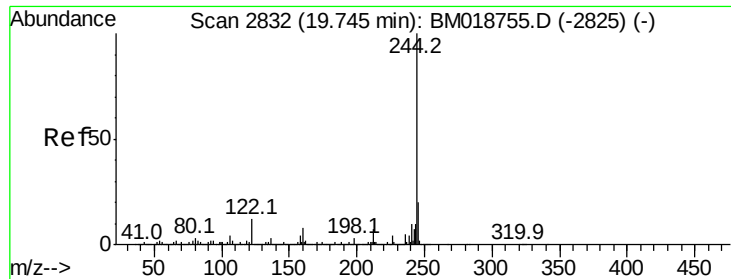
Sohil
2/26/2019 12:06:15 PM



#78
Pyrene
Concen: 17.359 ng
RT: 19.53 min Scan# 2795
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	16.9	25.3
203	17.7	13.8	20.8





#79

Terphenyl-d14

Concen: 25.975 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampled :

SU-02-022219-B

Tot Ion:244 Resp: 1175566

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

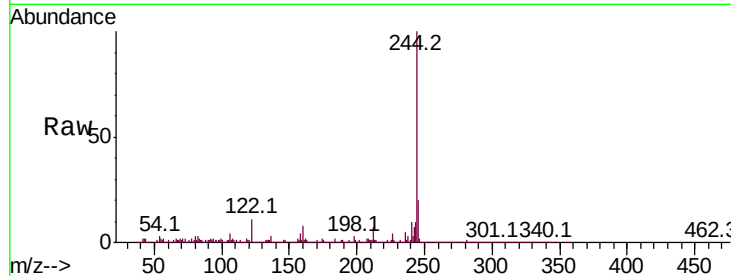
122 11.1 9.3 13.9

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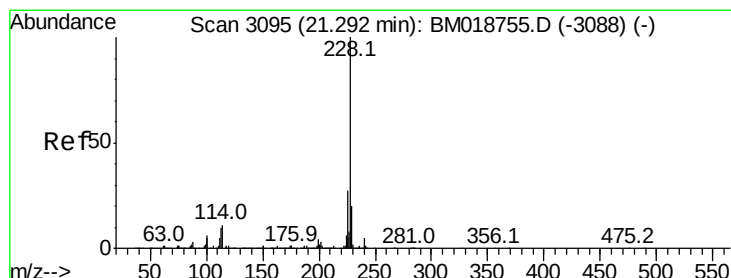
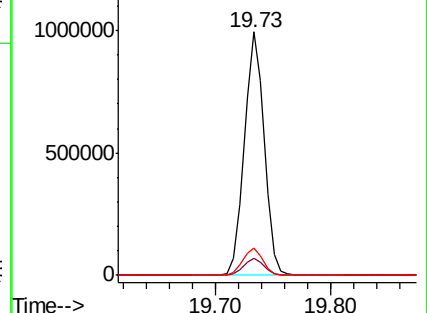
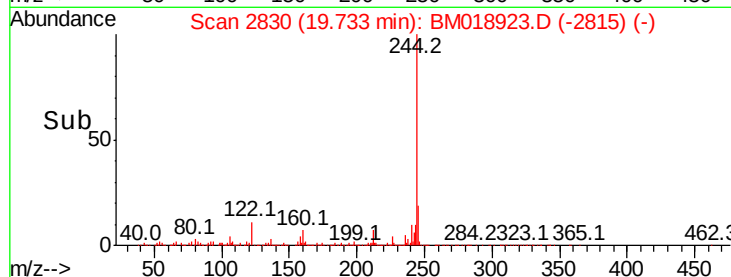
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 10.856 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

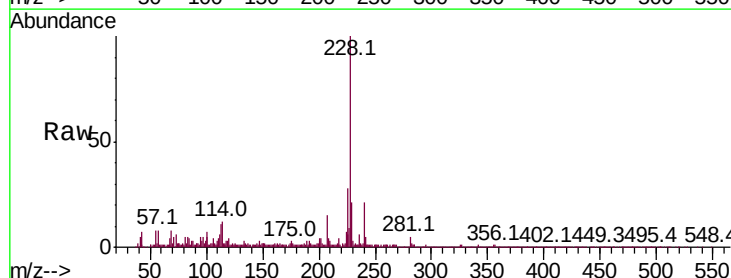
Tgt Ion:228 Resp: 590795

Ion Ratio Lower Upper

228 100

226 27.7 21.9 32.9

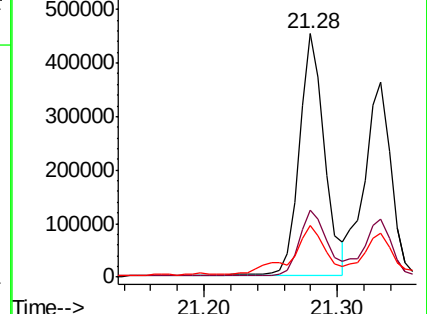
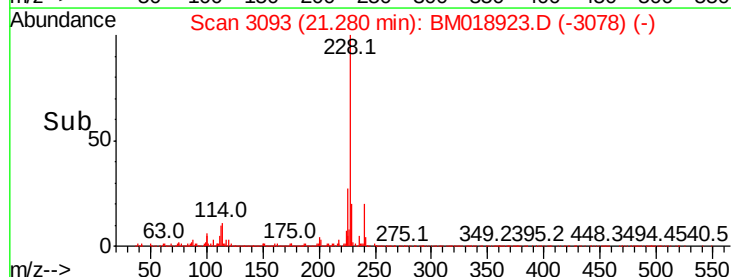
229 21.3 15.9 23.9

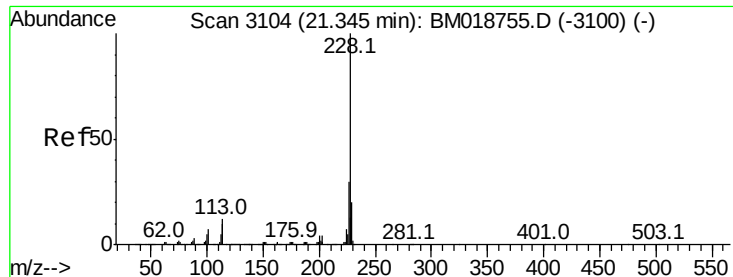


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.436 ng

RT: 21.33 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

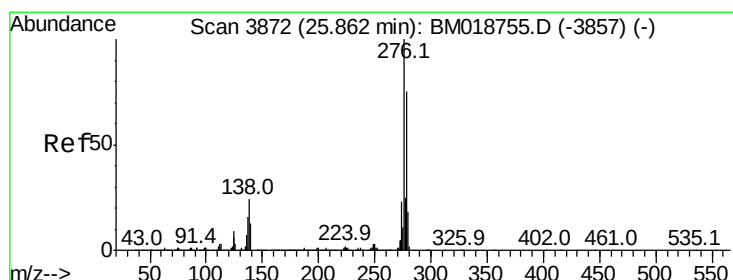
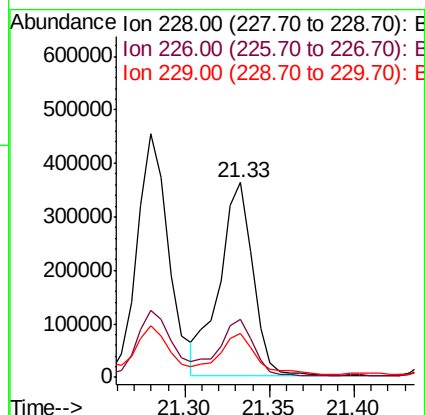
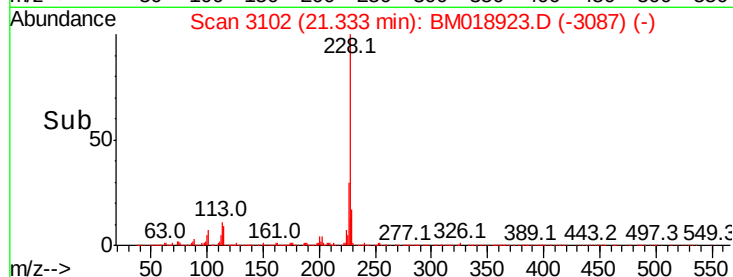
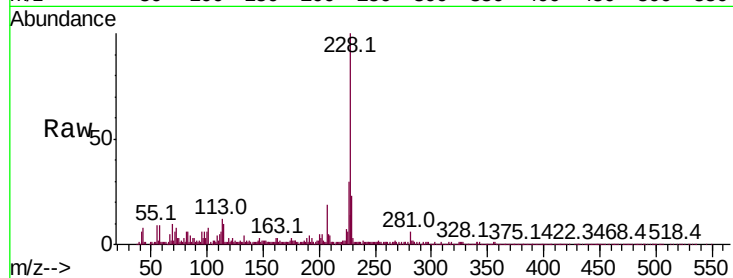
ClientSampleId :

SU-02-022219-B

Tot Ion:	228	Resp:	492193
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.1	36.1
229	22.9	16.0	24.0

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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.197 ng

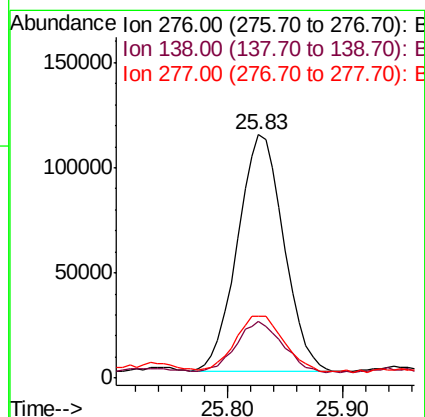
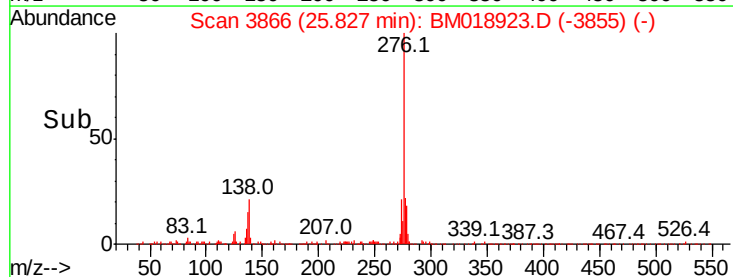
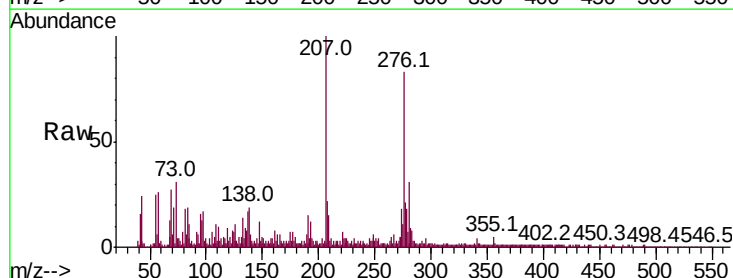
RT: 25.83 min Scan# 3866

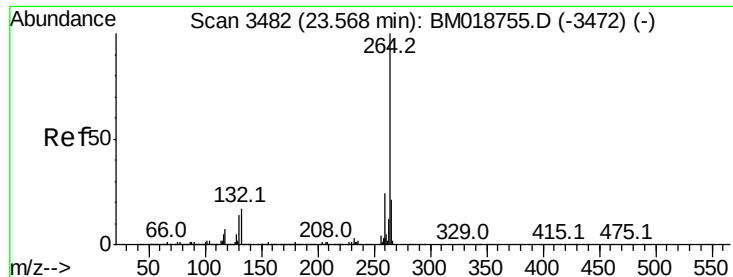
Delta R.T. -0.04 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Tgt Ion:	276	Resp:	313005
Ion Ratio	Lower	Upper	
276	100		
138	21.8	20.2	30.4
277	24.9	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: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

Tot Ion:264 Resp: 1037684

Ion Ratio Lower Upper

264 100

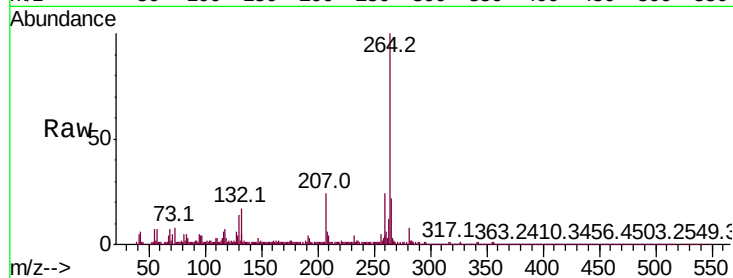
260 24.0 18.9 28.3

265 22.3 17.3 25.9

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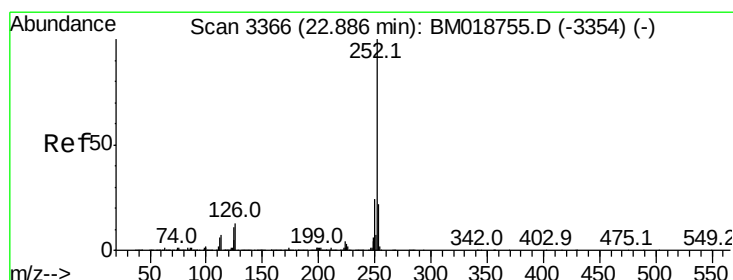
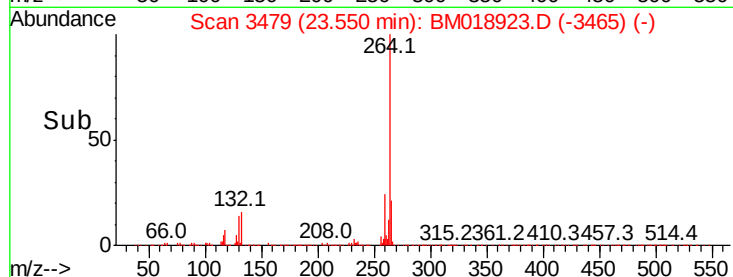
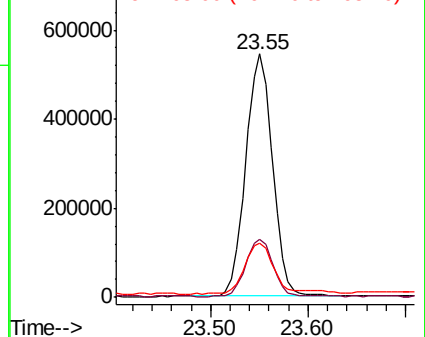
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.161 ng

RT: 22.87 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

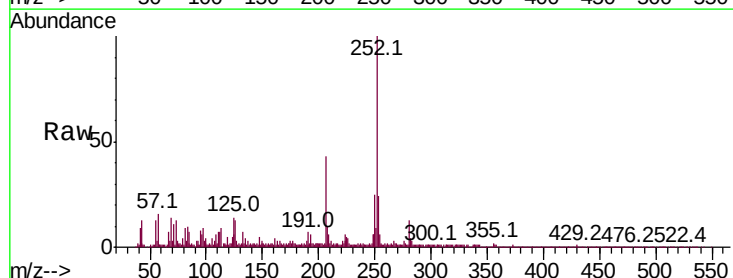
Tgt Ion:252 Resp: 721978

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

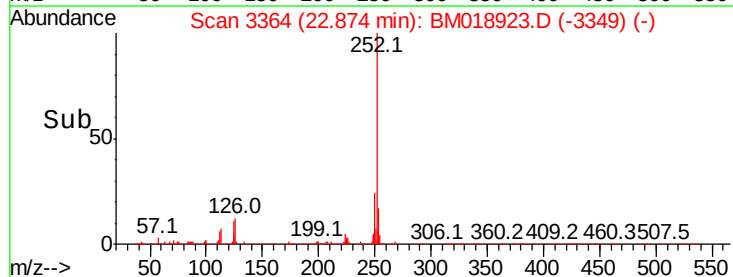
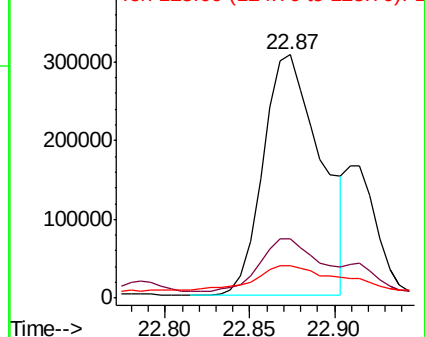
125 13.5 8.6 12.8#

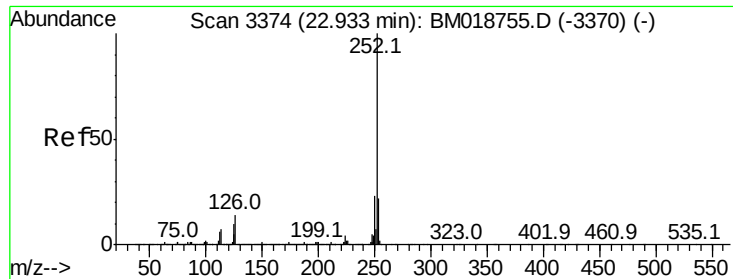


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





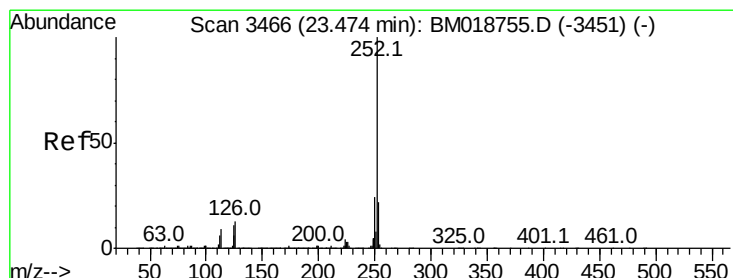
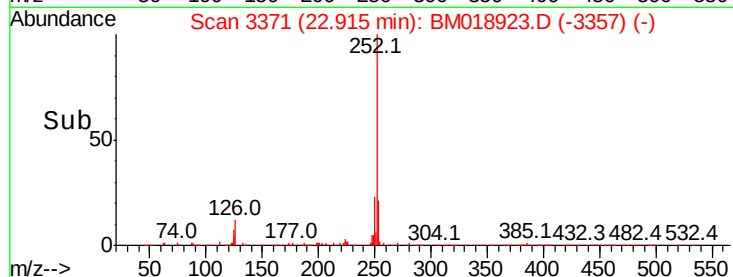
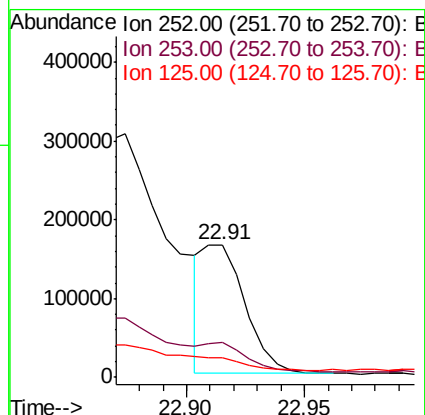
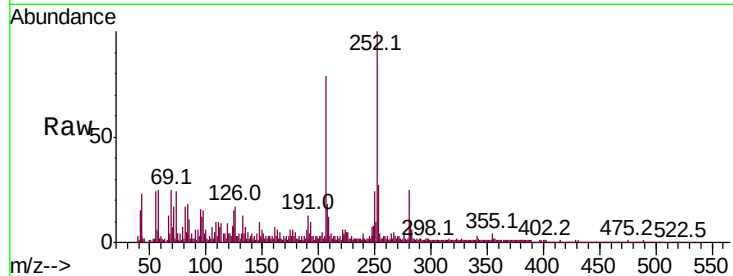
#89
Benzo(k)fluoranthene
Concen: 3.402 ng m
RT: 22.91 min Scan# 3371
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.7	26.5#
125	14.7	8.2	12.4#

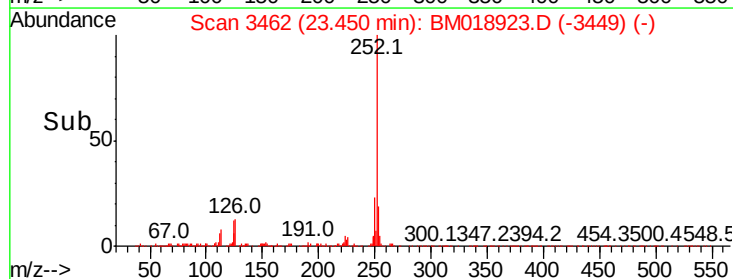
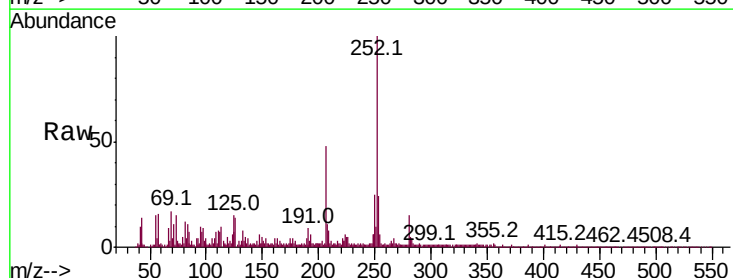
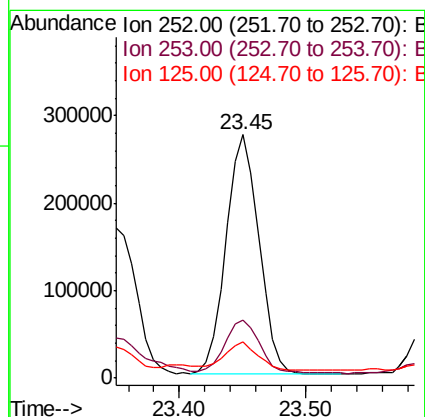
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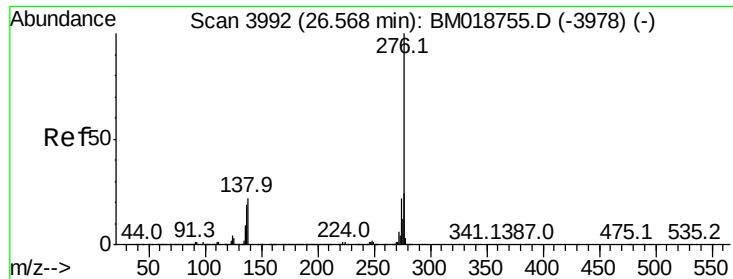
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#90
Benzo(a)pyrene
Concen: 8.767 ng
RT: 23.45 min Scan# 3462
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	14.8	8.6	13.0#





#92
 Benzo(a,h,i)perylene
 Concen: 5.600 ng
 RT: 26.53 min Scan# 3986
 Delta R.T. -0.04 min
 Lab File: BM018923.D
 Acq: 25 Feb 2019 20:59

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

Tot Ion:	276	Resp:	290478
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.2	28.8
138	23.8	17.3	25.9

Manual Integrations
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 2/26/2019 12:06:15 PM

