

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
 Data File : BM018922.D
 Acq On : 25 Feb 2019 20:23
 Operator : JU/SJ
 Sample : K1356-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Feb 26 00:15:48 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	248995	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	984104	20.00	ng	-0.02
39) Acenaphthene-d10	14.35	164	528546	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1104332	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1055156	20.00	ng	-0.02
87) Perylene-d12	23.55	264	1231025	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	692381	45.56	ng	-0.02
7) Phenol-d6	6.87	99	940196	43.92	ng	-0.02
23) Nitrobenzene-d5	8.86	82	594260	27.92	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	282520	37.08	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1087878	27.32	ng	-0.02
79) Terphenyl-d14	19.73	244	1346450	26.32	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.89	94	51358	2.280	ng	94
52) Acenaphthene	14.41	154	65222	2.033	ng	98
58) Fluorene	15.40	166	126573	3.137	ng	100
71) Phenanthrene	17.14	178	1092057	18.401	ng	100
72) Anthracene	17.23	178	350538	6.068	ng	99
75) Fluoranthene	19.16	202	1460936	21.310	ng	99
78) Pyrene	19.53	202	1181576	19.281	ng	100
81) Benzo(a)anthracene	21.28	228	672228	10.929	ng	98
83) Chrysene	21.33	228	555984	9.431	ng	96
86) Indeno(1,2,3-cd)pyrene	25.82	276	333025	4.893	ng	96
88) Benzo(b)fluoranthene	22.87	252	743158	10.551	ng	95
89) Benzo(k)fluoranthene	22.91	252	260574m	3.716	ng	
90) Benzo(a)pyrene	23.44	252	559499	8.386	ng	# 92
92) Benzo(a,h,i)perylene	26.53	276	295800	4.807	ng	98

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

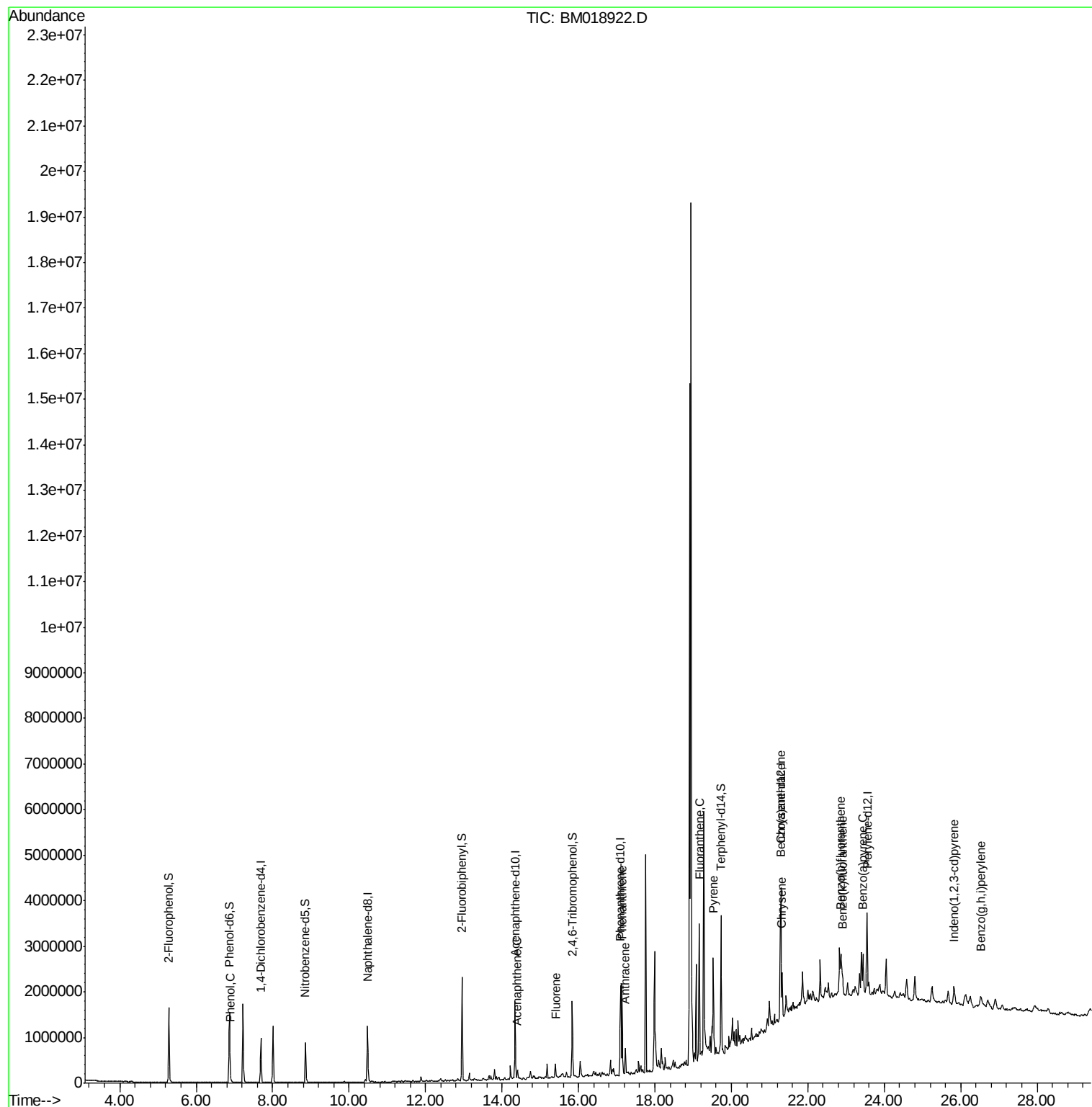
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018922.D
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ALS Vial : 14 Sample Multiplier: 1

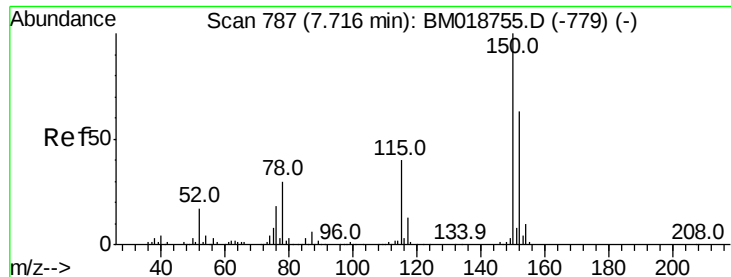
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
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#1

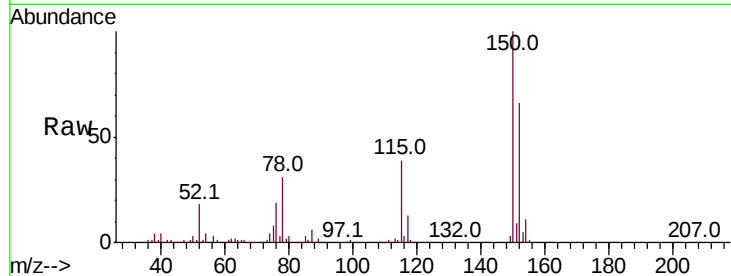
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.3	190.9
115	59.8	50.8	76.2

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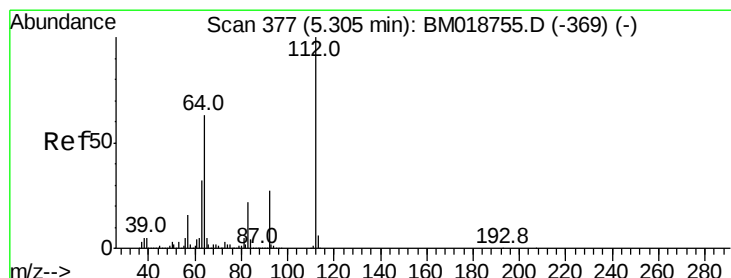
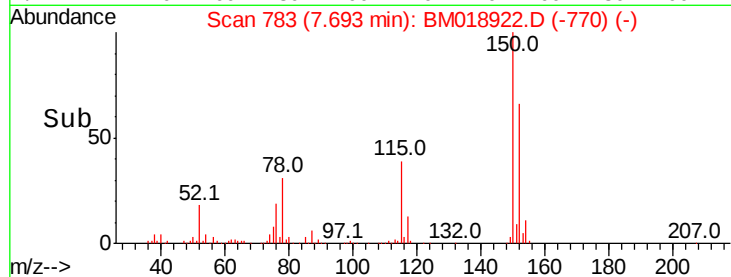
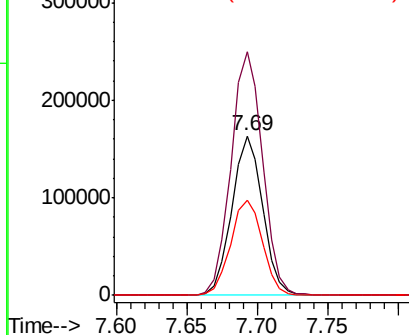


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

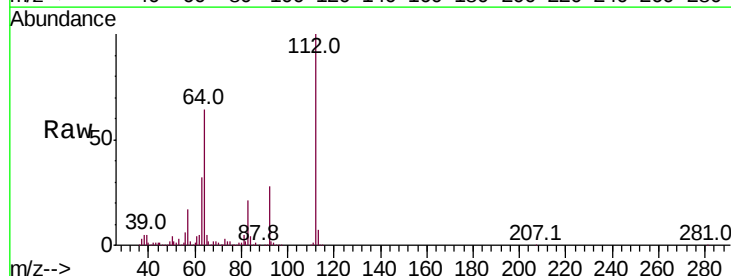
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.561 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	50.6	75.8
63	32.2	25.7	38.5

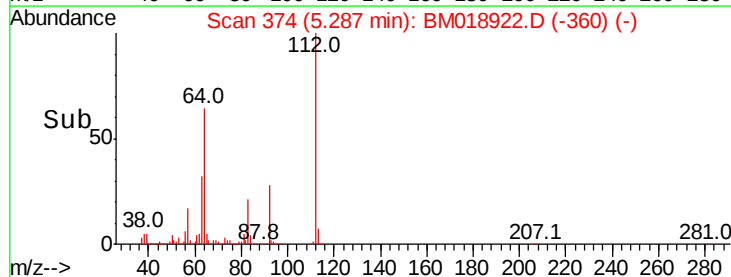
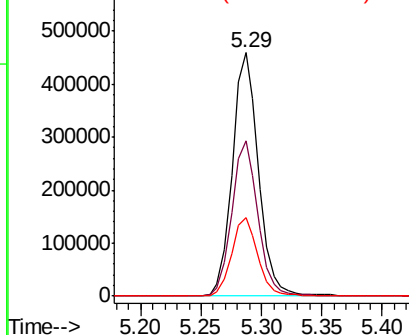


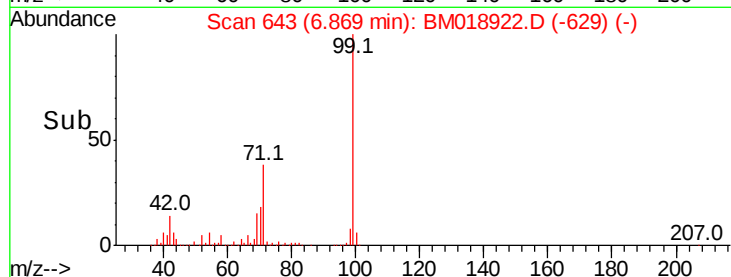
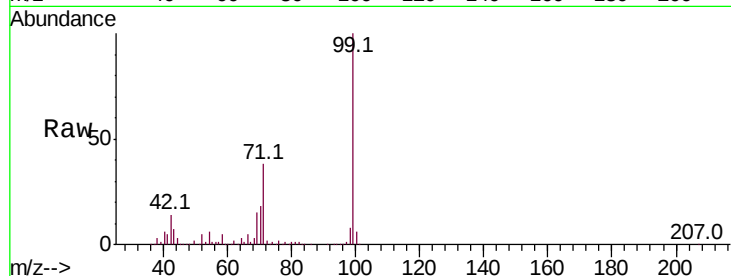
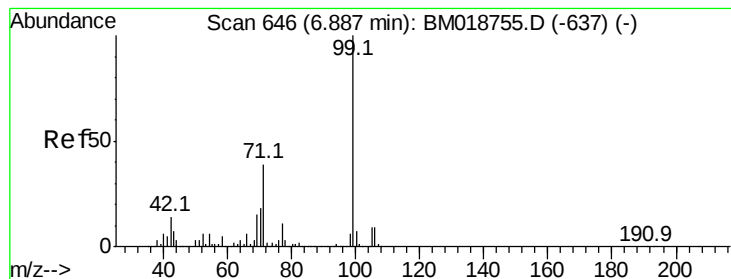
Abundance

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: 43.917 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Tot Ion:	99	Resp:	940196
Ion Ratio	Lower	Upper	
99	100		
42	13.7	11.0	16.6
71	37.6	31.3	46.9

Instrument :

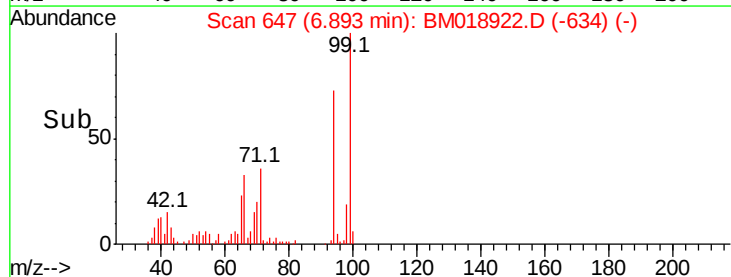
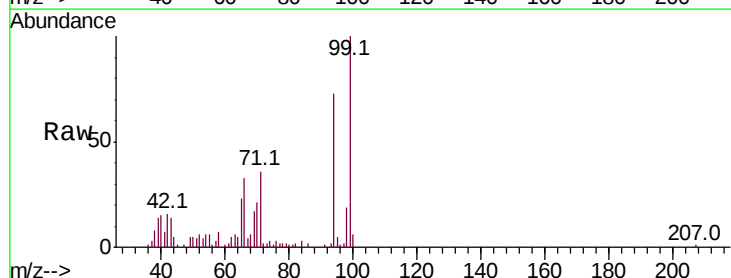
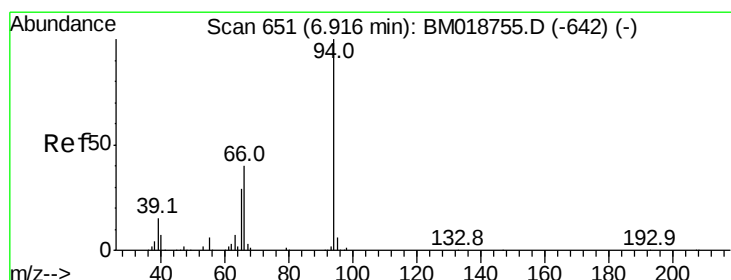
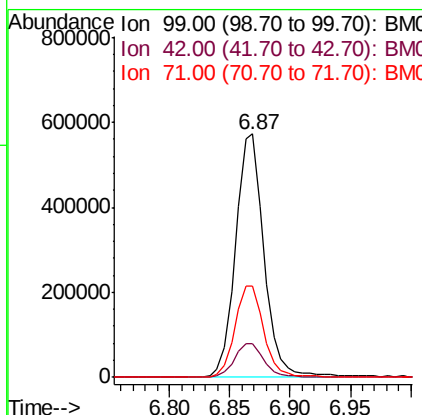
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#10

Phenol

Concen: 2.280 ng

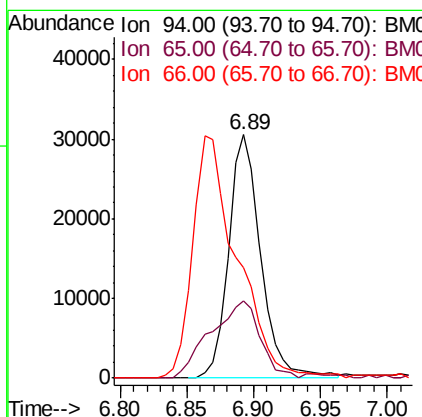
RT: 6.89 min Scan# 647

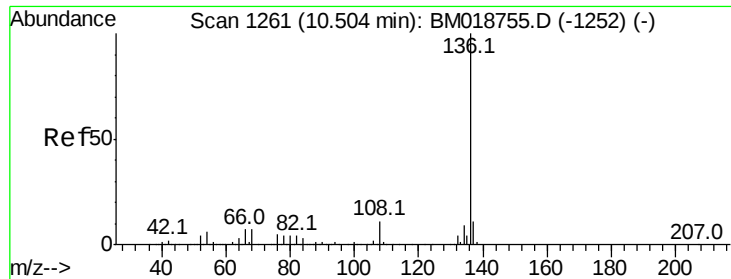
Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Tgt Ion:	94	Resp:	51358
Ion Ratio	Lower	Upper	
94	100		
65	31.7	9.6	49.6
66	45.5	20.4	60.4





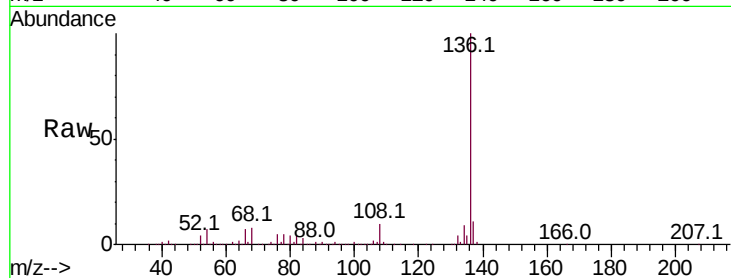
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

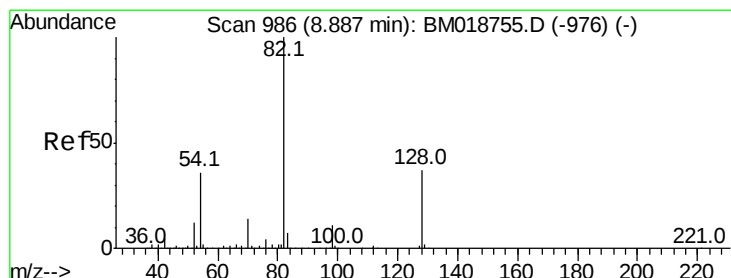
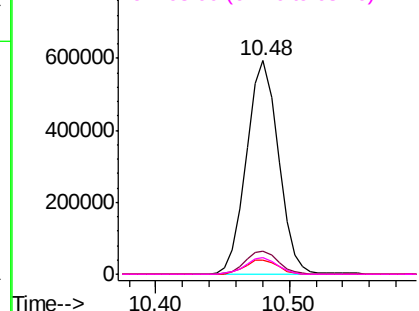
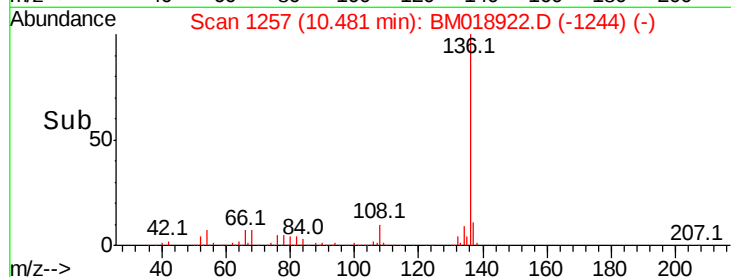
Tot Ion	Ratio	Resp	Lower	Upper
136	100	984104		
137	10.7		8.8	13.2
54	6.6		5.0	7.6
68	7.5		5.5	8.3

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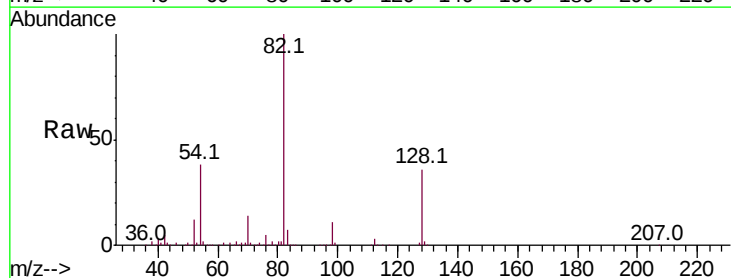


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

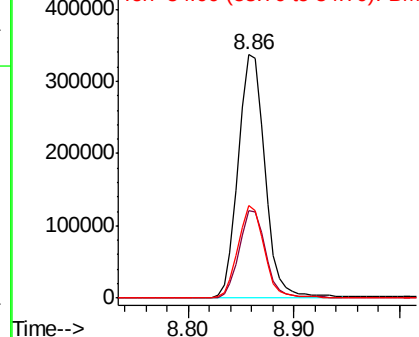
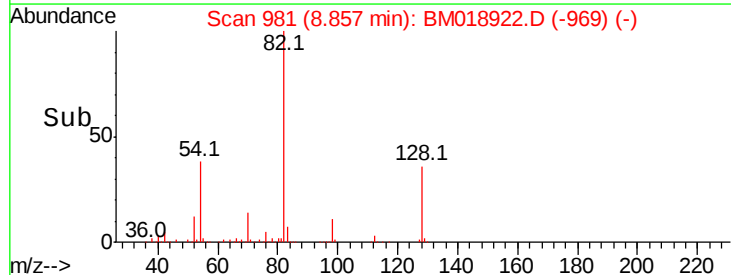


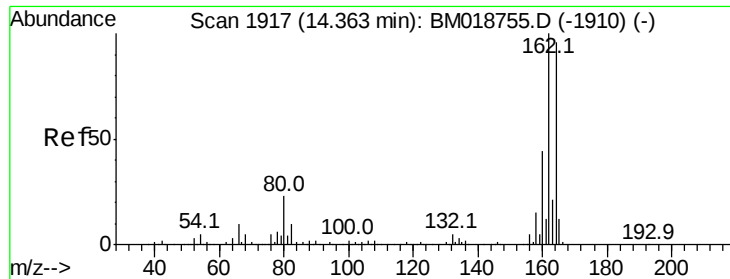
#23
Nitrobenzene-d5
Concen: 27.922 ng
RT: 8.86 min Scan# 981
Delta R.T. -0.03 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	594260		
128	36.0		29.9	44.9
54	38.3		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





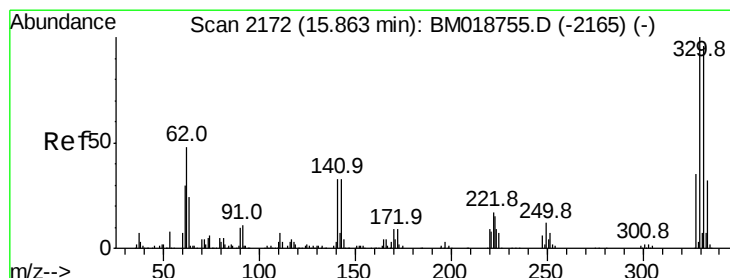
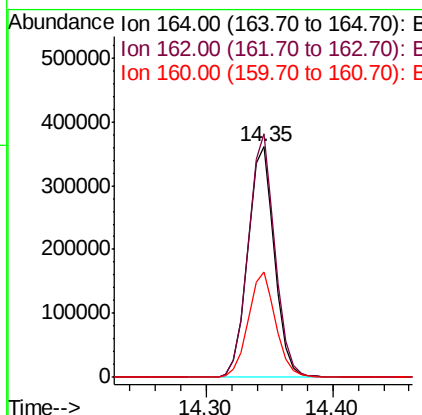
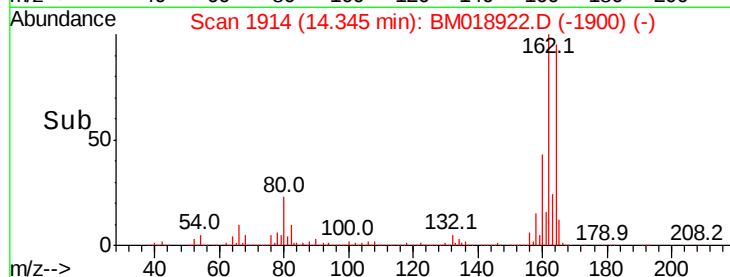
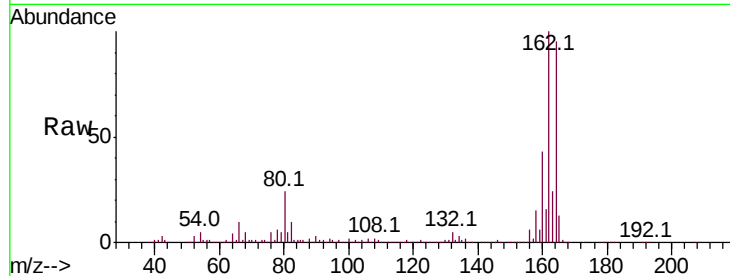
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.35 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.6	83.4	125.0	
160	45.9	36.6	55.0	

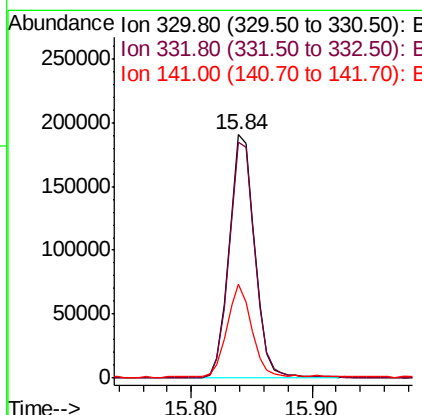
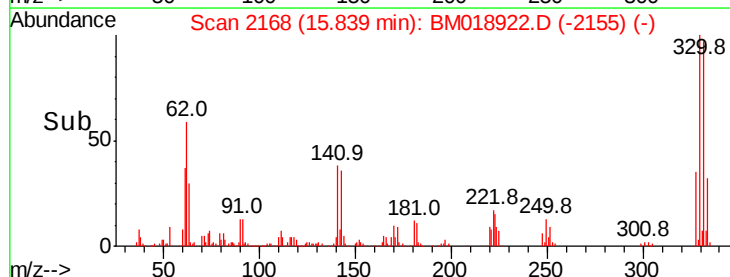
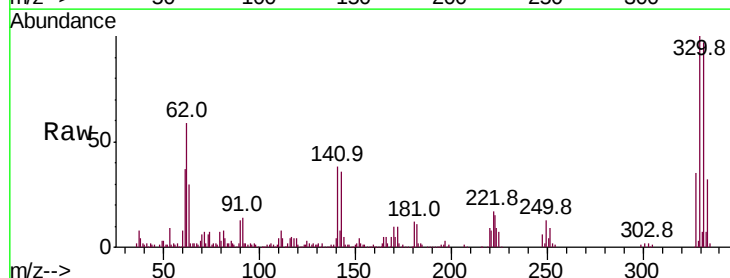
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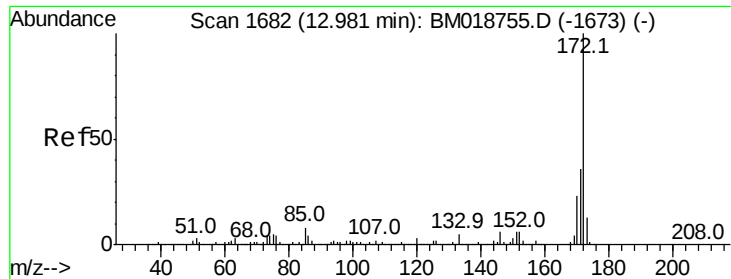
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#42
2,4,6-Tribromophenol
Concen: 37.082 ng
RT: 15.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	76.9	115.3	
141	36.6	28.7	43.1	





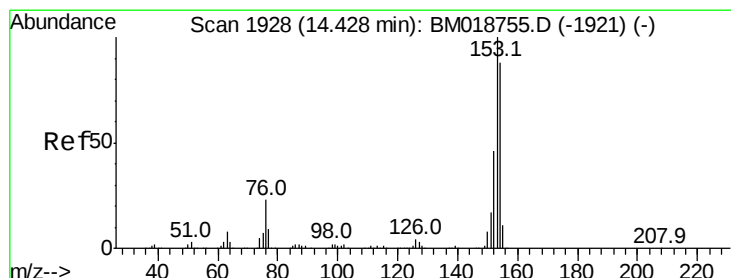
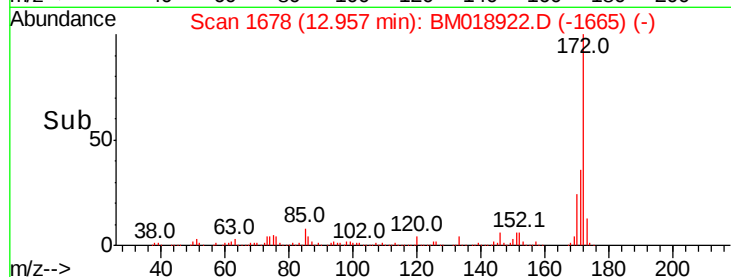
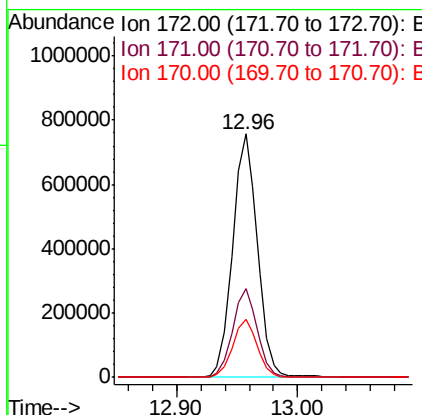
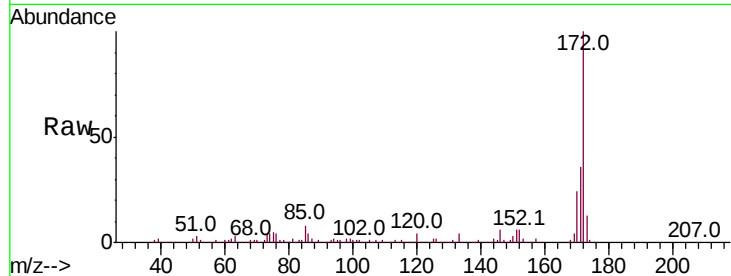
#45
2-Fluorobiphenyl
Concen: 27.323 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	23.6	18.6	28.0

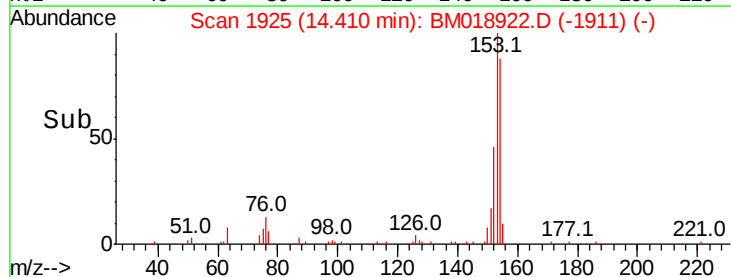
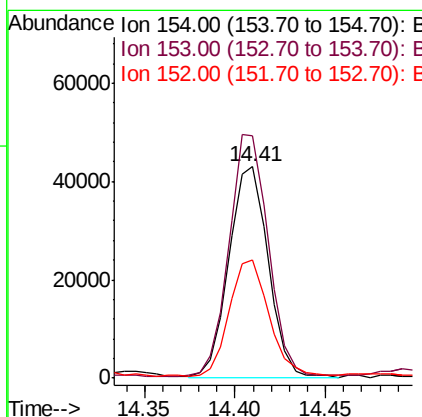
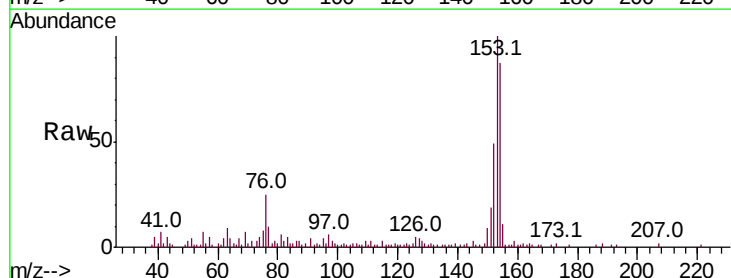
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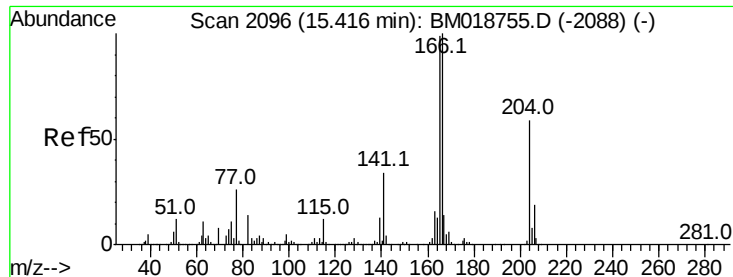
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#52
Acenaphthene
Concen: 2.033 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.3	136.9
152	55.7	42.2	63.4





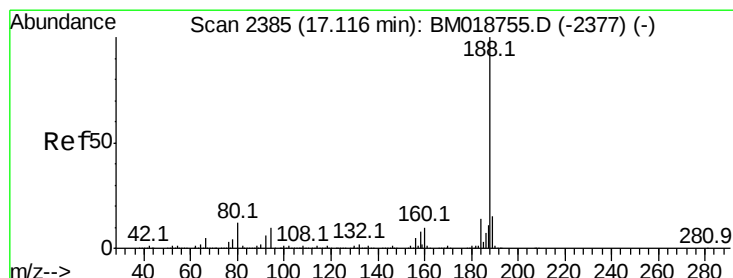
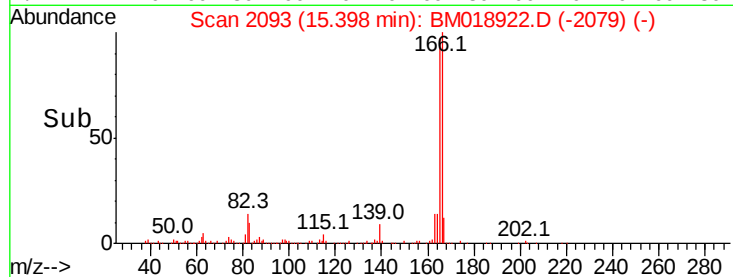
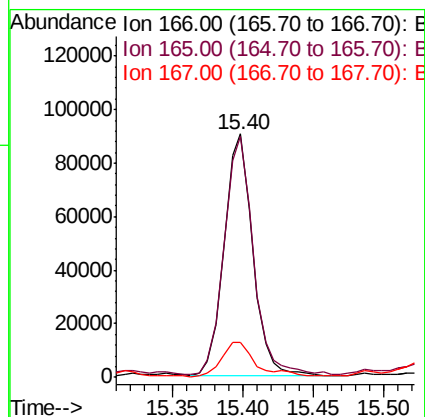
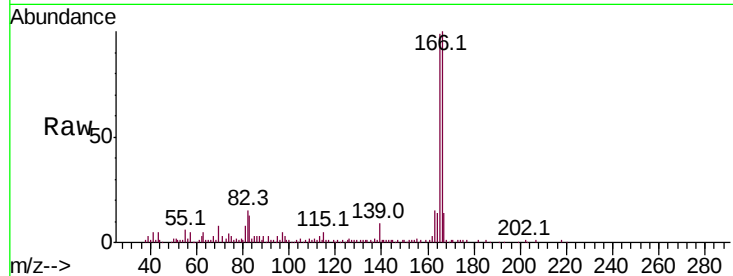
#58
 Fluorene
 Concen: 3.137 ng
 RT: 15.40 min Scan# 2093
 Delta R.T. -0.02 min
 Lab File: BM018922.D
 Acq: 25 Feb 2019 20:23

Instrument :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.1	118.7
167	14.1	11.0	16.4

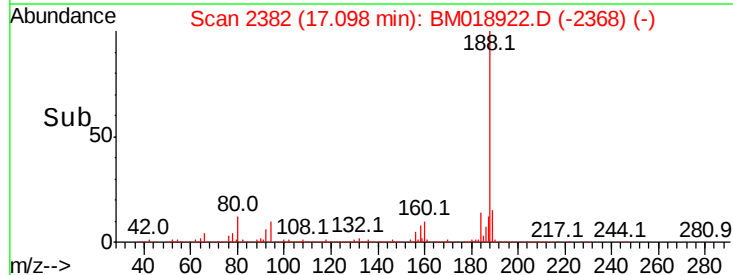
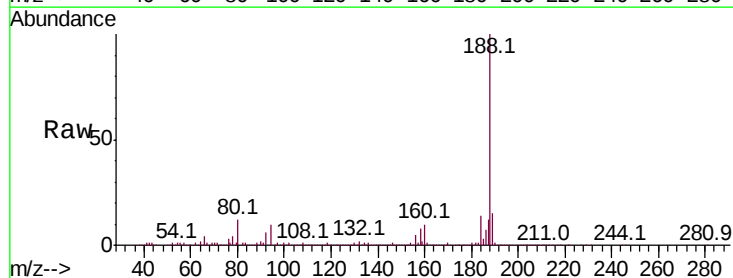
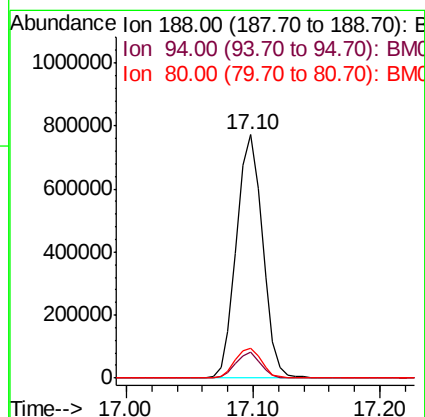
Manual Integrations
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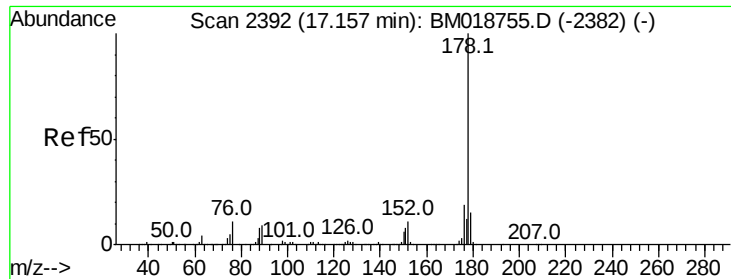
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.10 min Scan# 2382
 Delta R.T. -0.02 min
 Lab File: BM018922.D
 Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.2	12.2
80	12.4	9.7	14.5





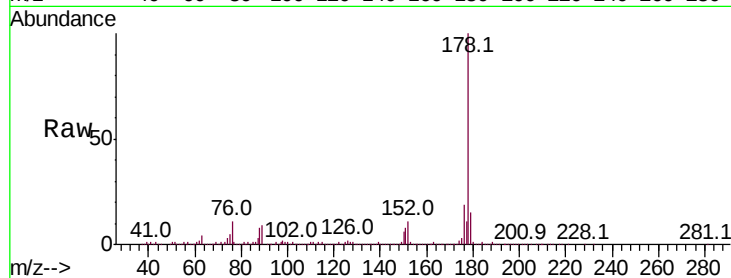
#71
Phenanthrene
Concen: 18.401 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Instrument :
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SU-02-022219-A

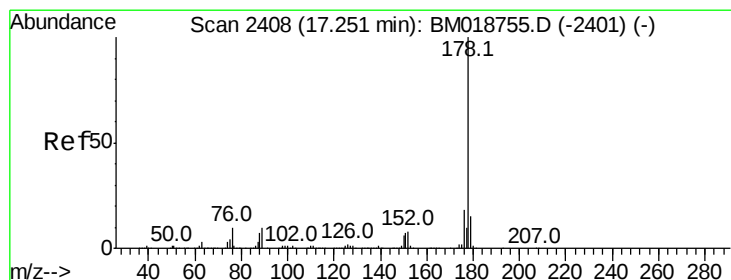
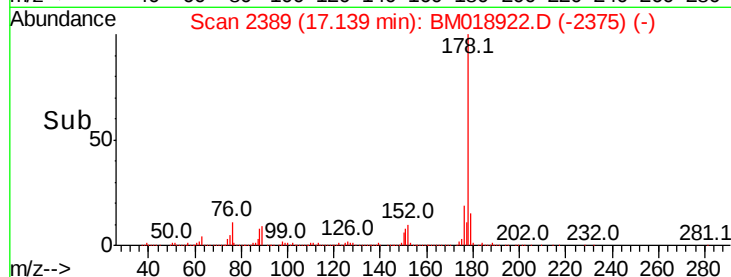
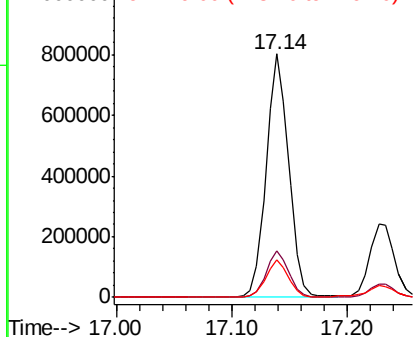
Tot Ion:178 Resp: 1092057
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.3 18.5

Manual Integrations
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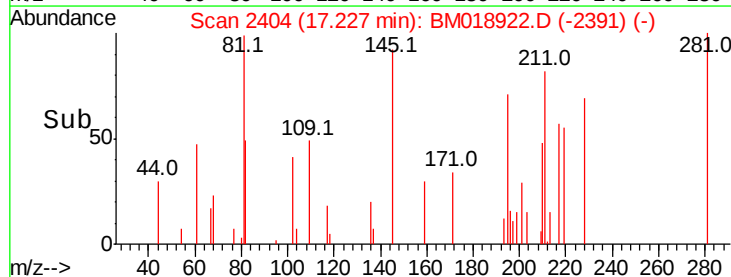
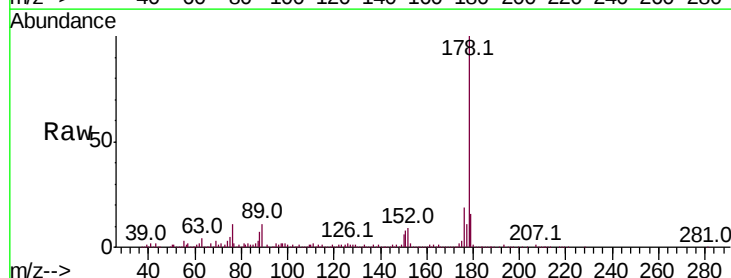
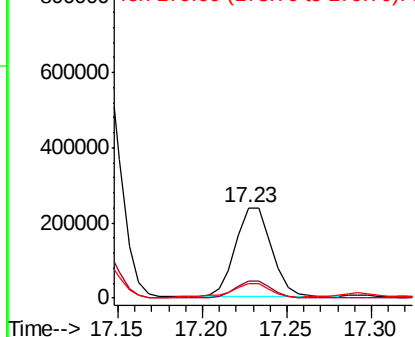
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

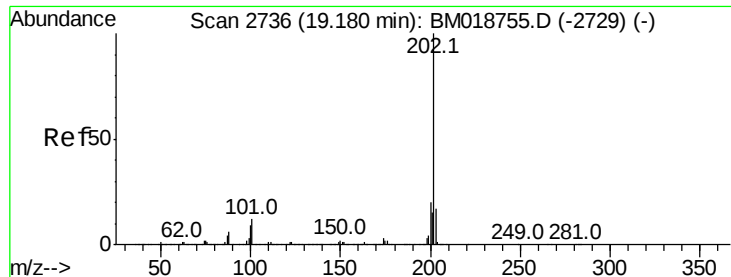


#72
Anthracene
Concen: 6.068 ng
RT: 17.23 min Scan# 2404
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion:178 Resp: 350538
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.6 12.1 18.1

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: 21.310 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

BNA_M

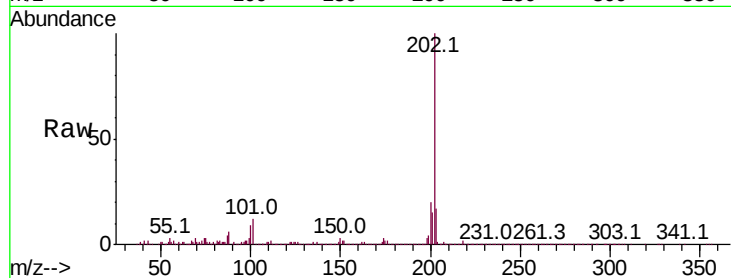
ClientSampleId :

SU-02-022219-A

Tot Ion:	202	Resp:	1460936
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	31.5
203	17.0	0.0	37.3

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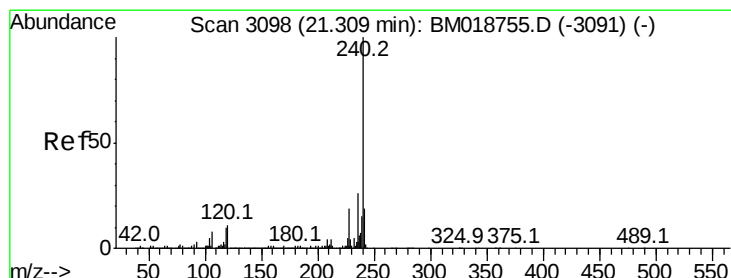
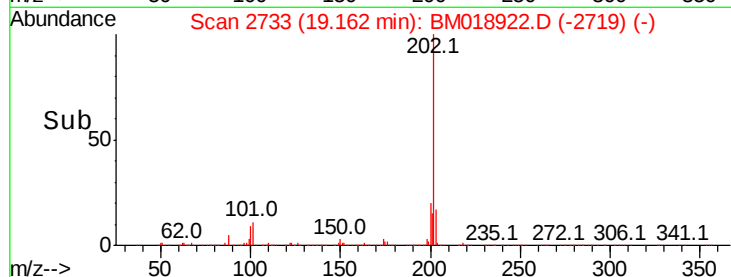
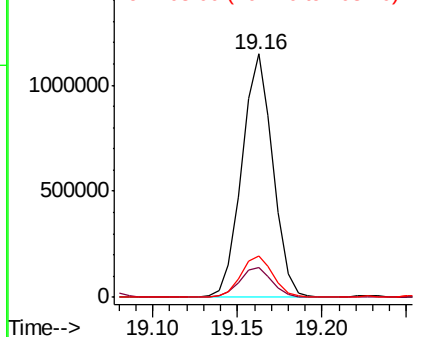


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

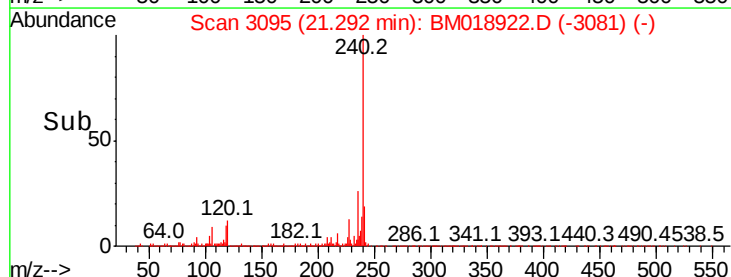
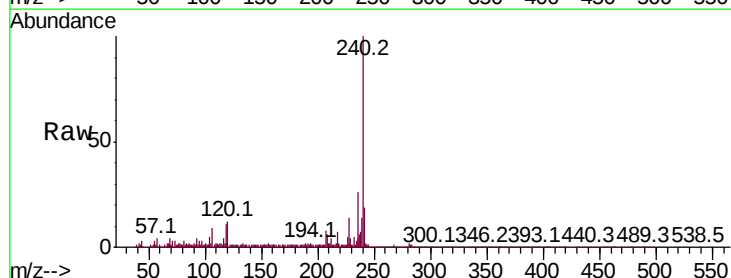
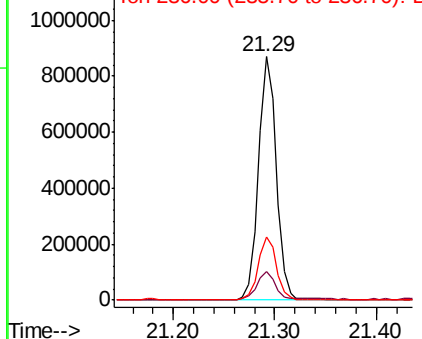
Tgt Ion:	240	Resp:	1055156
Ion Ratio	Lower	Upper	
240	100		
120	11.9	8.9	13.3
236	25.9	20.9	31.3

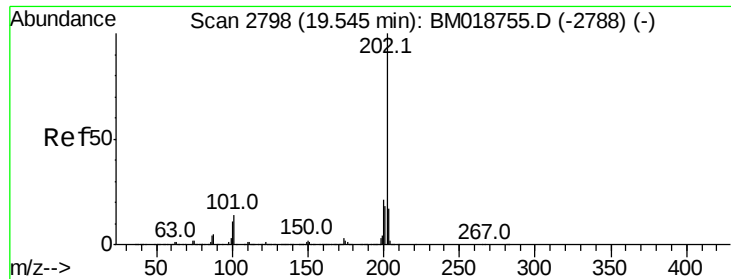
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





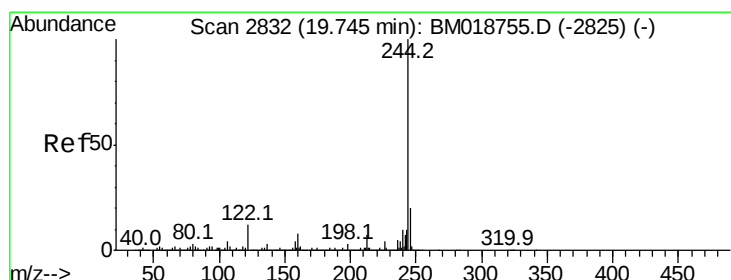
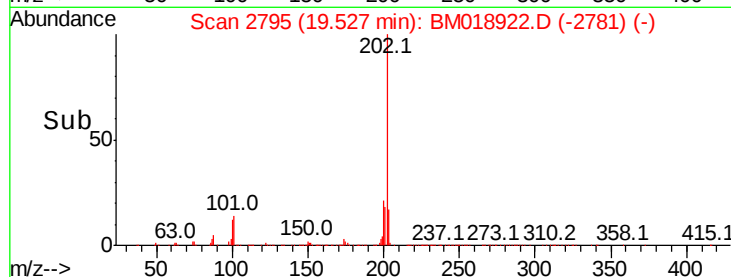
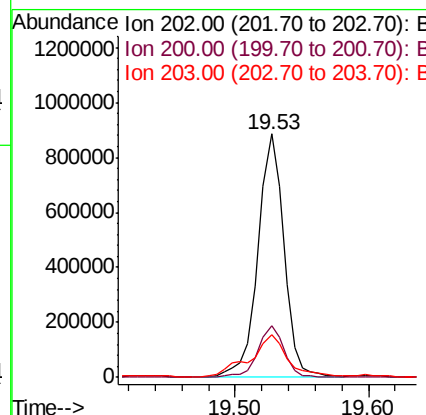
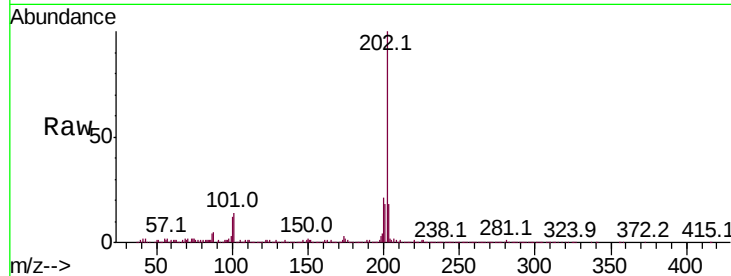
#78
Pvrene
Concen: 19.281 ng
RT: 19.53 min Scan# 2795
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.6	13.8	20.8

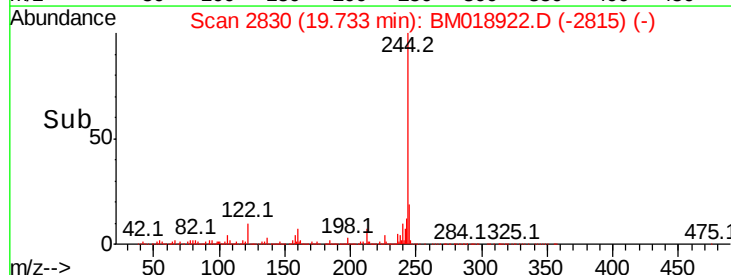
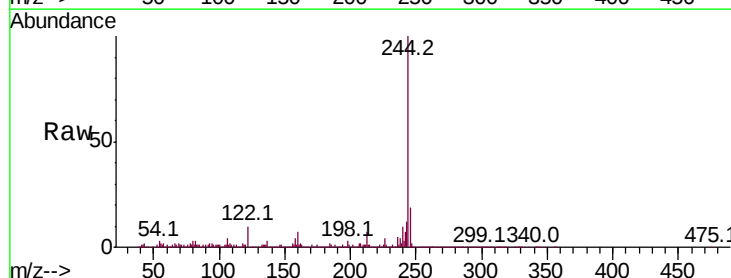
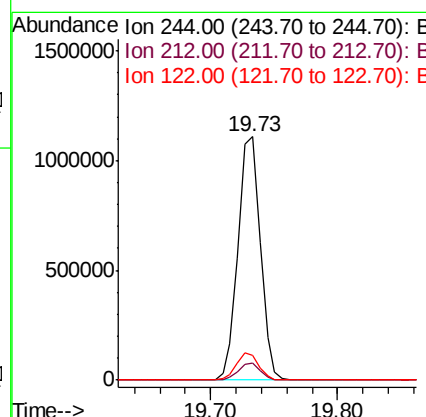
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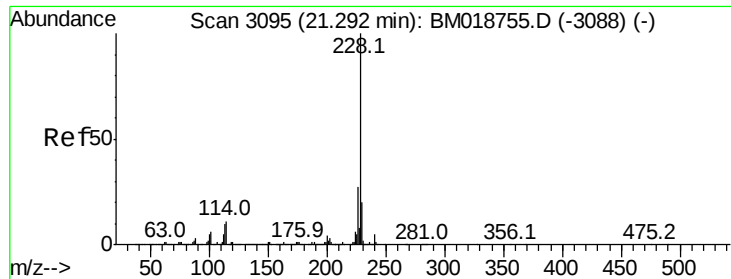
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#79
Terphenyl-d14
Concen: 26.324 ng
RT: 19.73 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.1	9.3	13.9





#81

Benzo(a)anthracene

Concen: 10.929 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

BNA_M

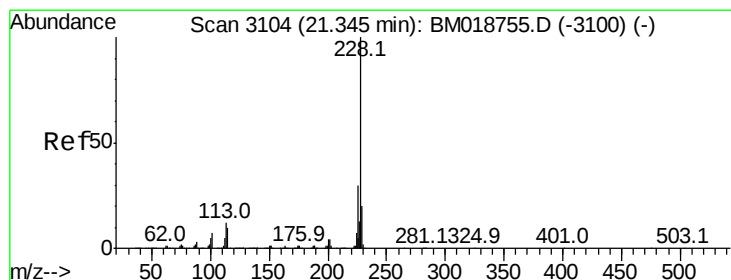
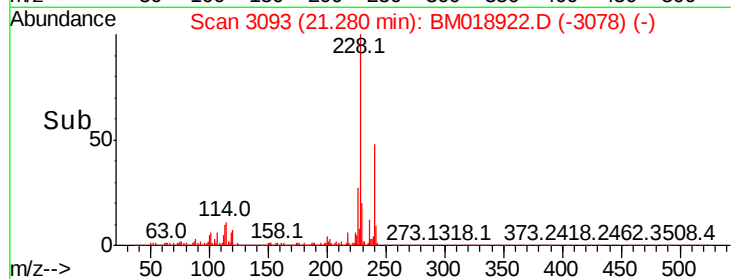
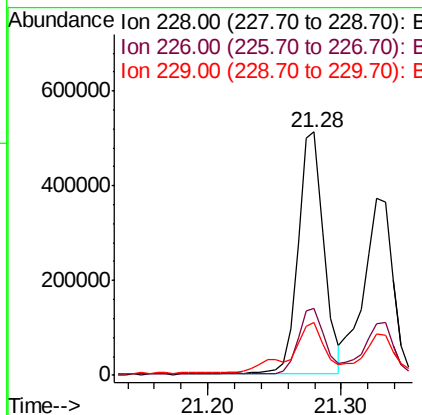
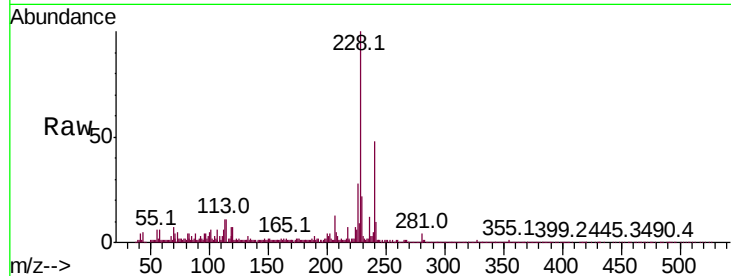
ClientSampleId :

SU-02-022219-A

Tot Ion:	228	Resp:	672228
Ion Ratio	Lower	Upper	
228	100		
226	27.5	21.9	32.9
229	21.6	15.9	23.9

Manual Integrations
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#83

Chrysene

Concen: 9.431 ng

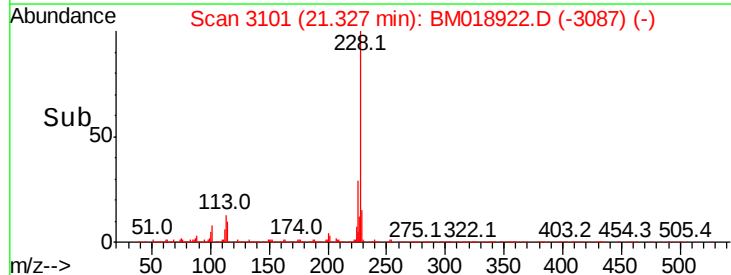
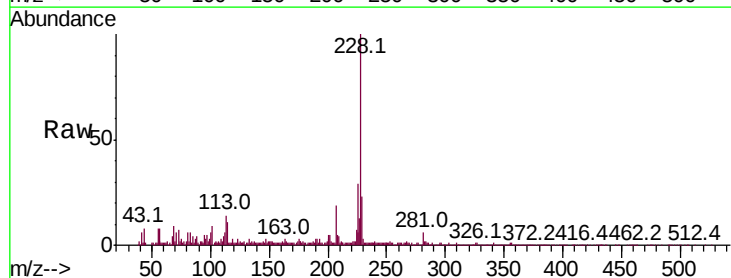
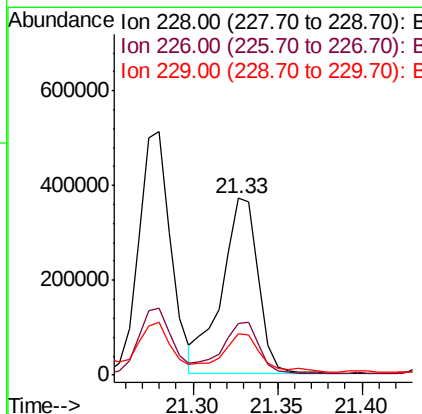
RT: 21.33 min Scan# 3101

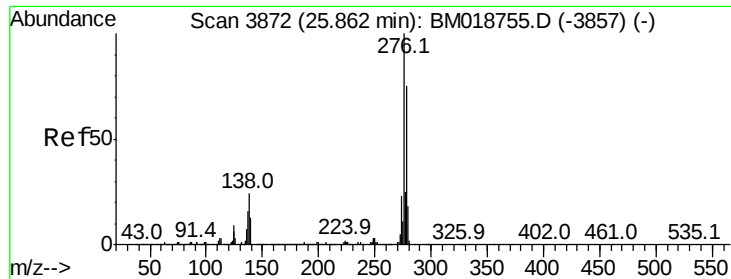
Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Tgt Ion:	228	Resp:	555984
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.1	36.1
229	23.1	16.0	24.0





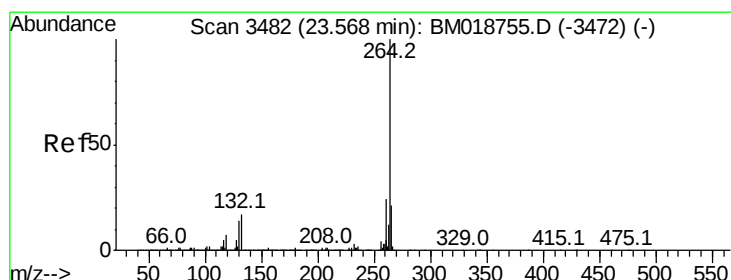
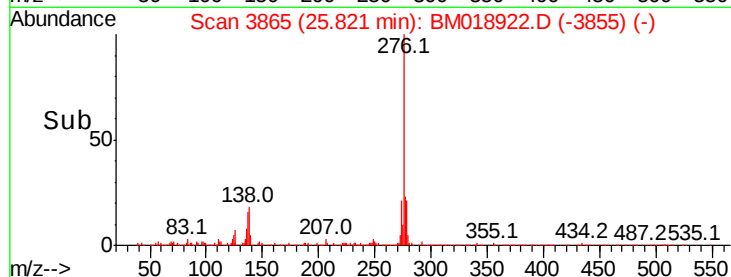
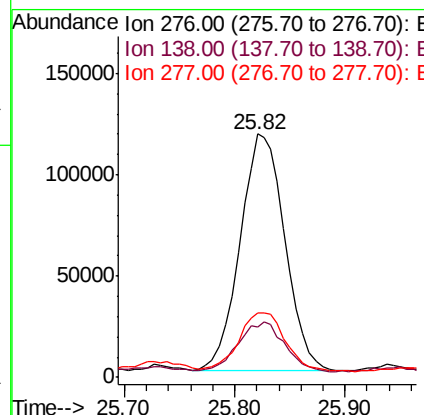
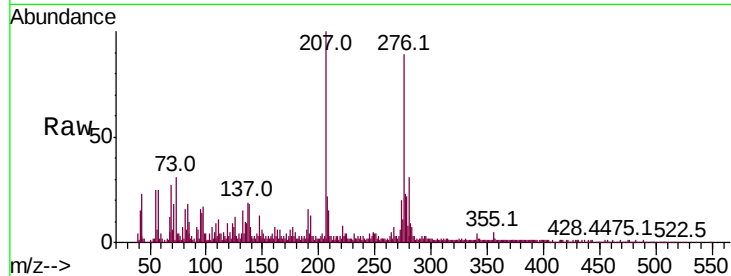
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.893 ng
RT: 25.82 min Scan# 3865
Delta R.T. -0.04 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.2	30.4
277	25.8	20.3	30.5

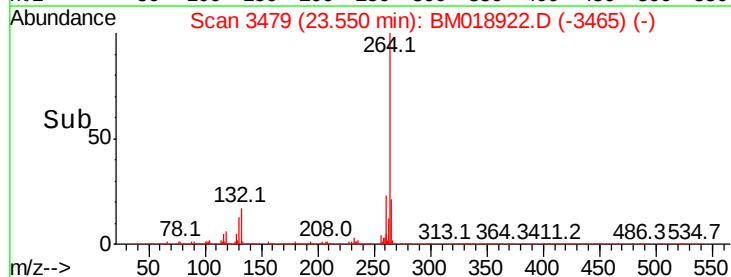
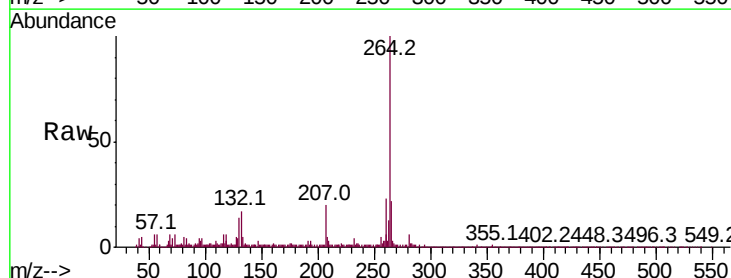
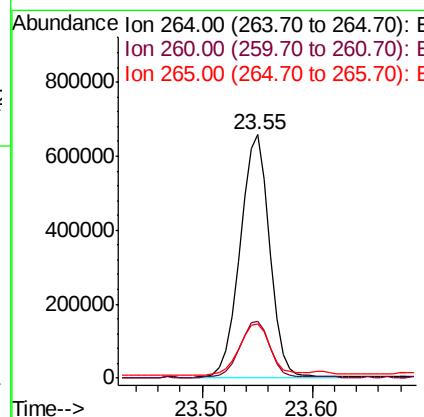
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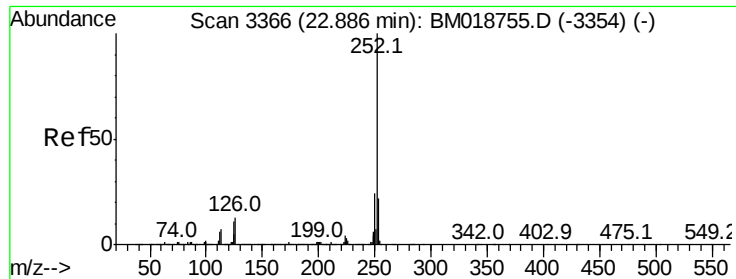
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.55 min Scan# 3479
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.4	17.3	25.9





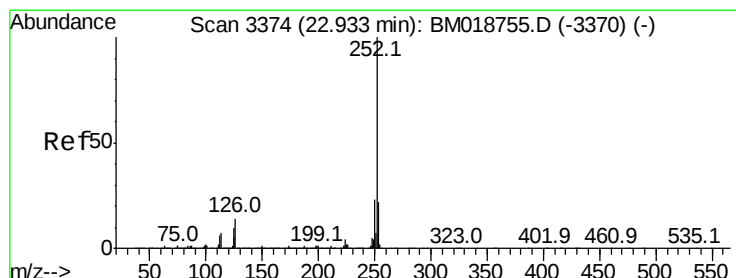
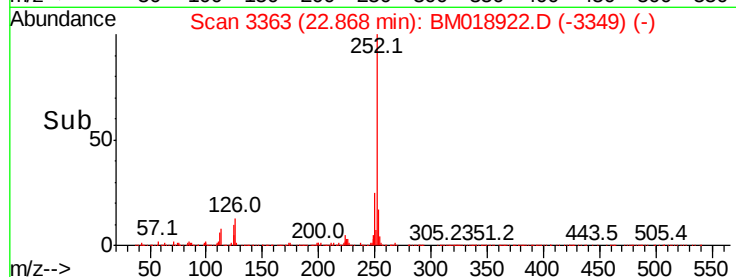
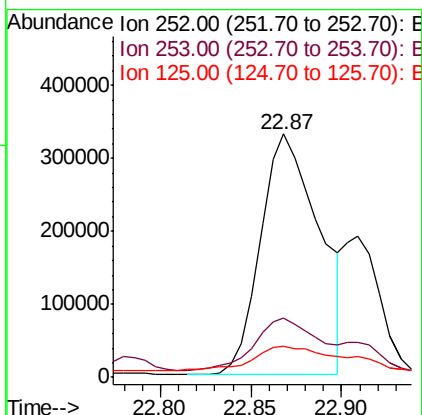
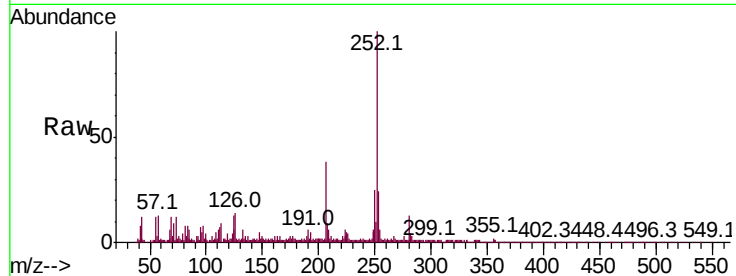
#88
Benzo(b)fluoranthene
Concen: 10.551 ng
RT: 22.87 min Scan# 3363
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	12.7	8.6	12.8

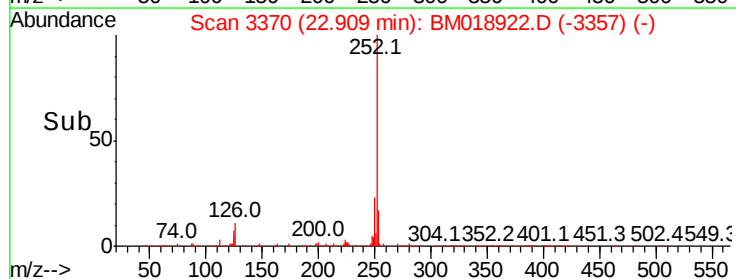
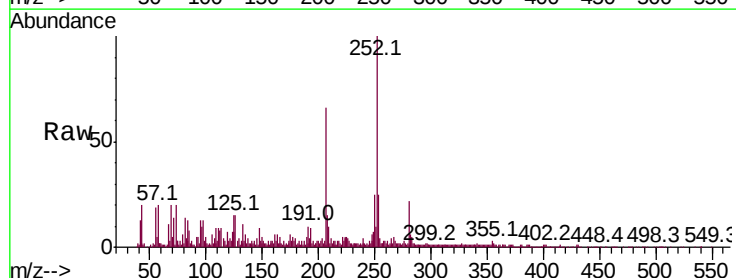
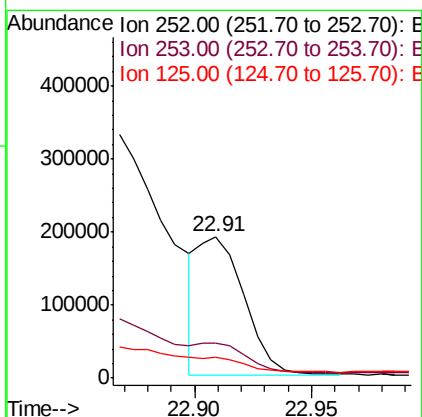
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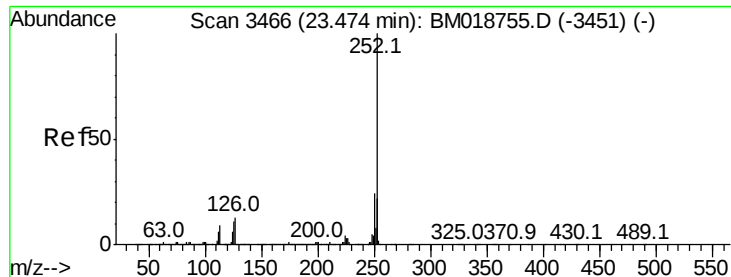
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#89
Benzo(k)fluoranthene
Concen: 3.716 ng m
RT: 22.91 min Scan# 3370
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.7	26.5
125	14.6	8.2	12.4#





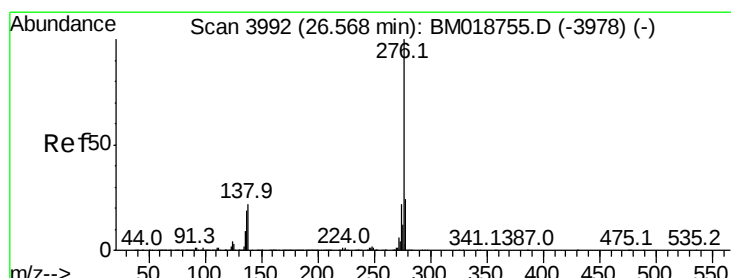
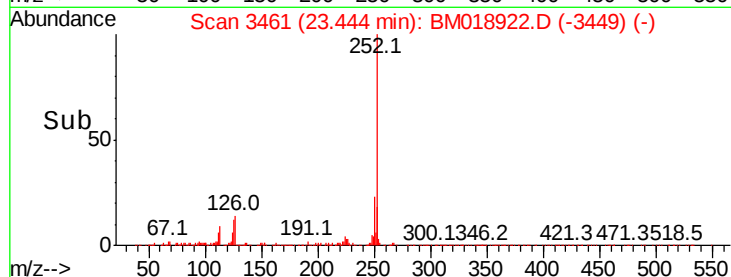
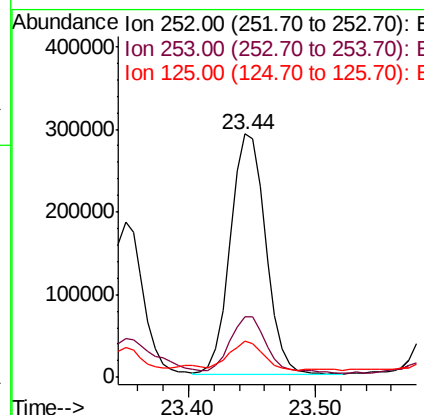
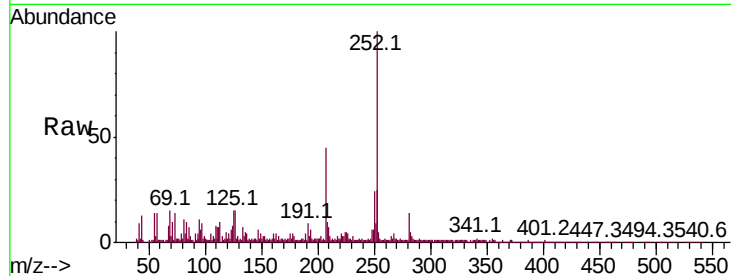
#90
Benzo(a)pyrene
Concen: 8.386 ng
RT: 23.44 min Scan# 3461
Delta R.T. -0.03 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.8	17.4	26.0
125	14.8	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.807 ng
RT: 26.53 min Scan# 3986
Delta R.T. -0.04 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.5	19.2	28.8
138	22.4	17.3	25.9

