

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
 Data File : BM021681.D
 Acq On : 27 Jul 2019 10:05
 Operator : HP/JU
 Sample : K3893-06MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP11MS

Manual Integrations
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 7/29/2019 2:29:34 PM

Quant Time: Aug 05 07:03:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 26 18:42:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	149460	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	595748	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	353635	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	689581	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	657687	20.00	ng/ul	0.00
85) Perylene-d12	23.51	264	765370	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	18670	6.01	ng/uL	0.00
5) Phenol-d5	6.86	99	382951	34.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	248789	38.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	347704	37.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	297692	31.55	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	181979	40.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	204210	41.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	387640	36.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	309246	31.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	1172308	42.95	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	1350441	41.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	77112	18.61	ng/ul	0.00
57) Fluorene-d10	15.32	176	1008842	42.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	85382	19.92	ng/ul	0.00
70) Anthracene-d10	17.18	188	1455415	41.94	ng/ul	0.00
78) Pyrene-d10	19.48	212	1514272	41.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.37	264	1653792	40.84	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.89	94	341547	28.467	ng/ul	96
10) 2-Chlorophenol	7.25	128	309052	30.885	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.49	70	258185	33.536	ng/ul	99
33) 4-Chloro-3-methylphenol	11.76	107	319770	30.532	ng/ul	97
44) Dimethylphthalate	13.79	163	200873	7.090	ng/ul	99
49) Acenaphthene	14.39	153	877123	36.195	ng/ul	99
52) 4-Nitrophenol	14.57	109	73201	19.511	ng/ul	97
54) 2,4-Dinitrotoluene	14.72	165	269135	36.466	ng/ul#	84
58) Fluorene	15.38	166	34219	1.202	ng/ul#	96
68) Pentachlorophenol	16.73	266	134335	21.315	ng/ul	96
69) Phenanthrene	17.12	178	780145	18.784	ng/ul	99
71) Anthracene	17.21	178	146890	3.453	ng/ul	99
74) Carbazole	17.49	167	77578	2.202	ng/ul	96
76) Fluoranthene	19.14	202	2127480	43.910	ng/ul	100
79) Pyrene	19.51	202	3651300	74.405	ng/ul	99
82) Benzo(a)anthracene	21.26	228	1029776	21.501	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.18	149	65451	3.003	ng/ul	99
84) Chrysene	21.31	228	1196611	26.502	ng/ul	98
87) Benzo(b)fluoranthene	22.84	252	1686398	32.383	ng/ul	99
88) Benzo(k)fluoranthene	22.87	252	458301m	9.002	ng/ul	
90) Benzo(a)pyrene	23.41	252	1048786	21.510	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.75	276	813596	14.390	ng/ul	97
92) Dibenzo(a,h)anthracene	25.76	278	202654	4.311	ng/ul#	94

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 26 18:42:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.44	276	694216	14.766	ng/ul	99

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

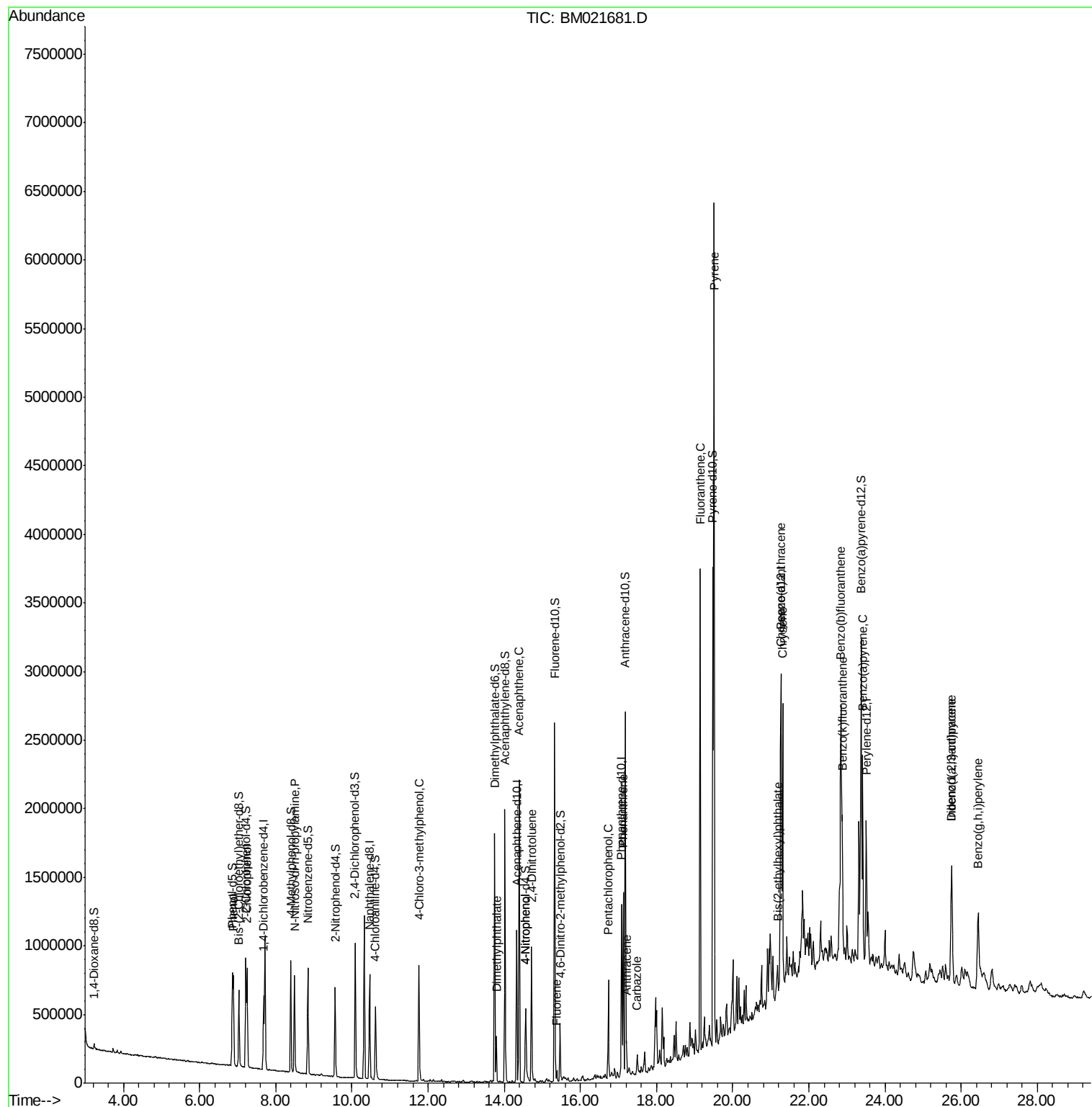
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021681.D
Acq On : 27 Jul 2019 10:05
Operator : HP/JU
Sample : K3893-06MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

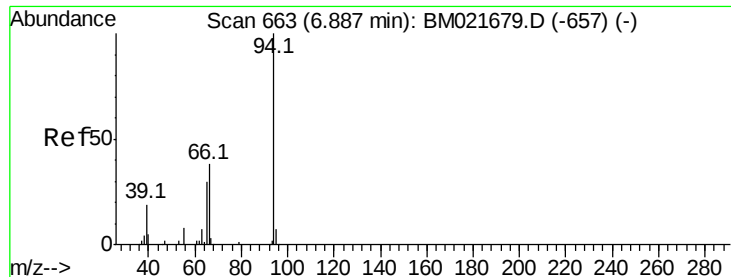
Instrument :
BNA_M
ClientSampleId :
BEP11MS

Quant Time: Aug 05 07:03:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
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#6

Phenol

Concen: 28.467 ng/ul

RT: 6.89 min Scan# 663

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

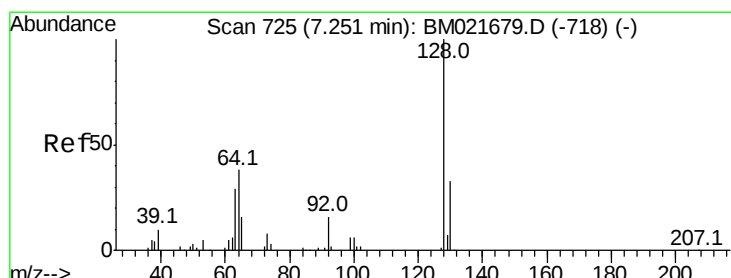
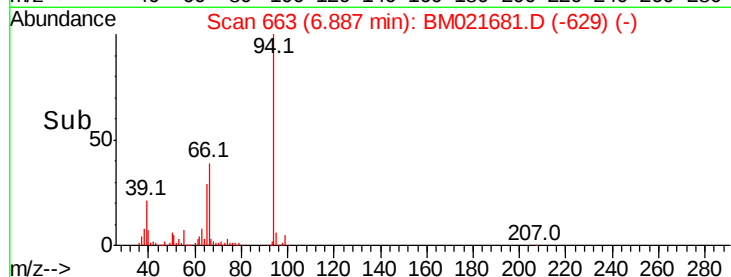
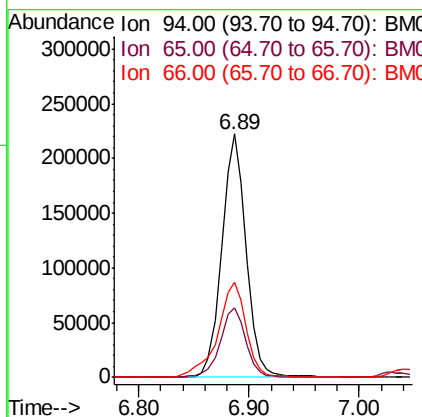
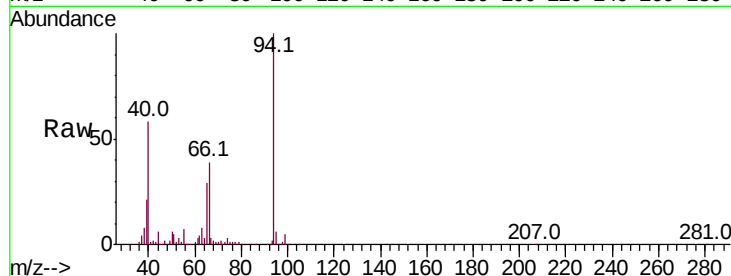
BEP11MS

Tot Ion:	94	Resp:	341547
Ion Ratio	Lower	Upper	
94	100		
65	28.7	24.8	37.2
66	39.2	33.0	49.4

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#10

2-Chlorophenol

Concen: 30.885 ng/ul

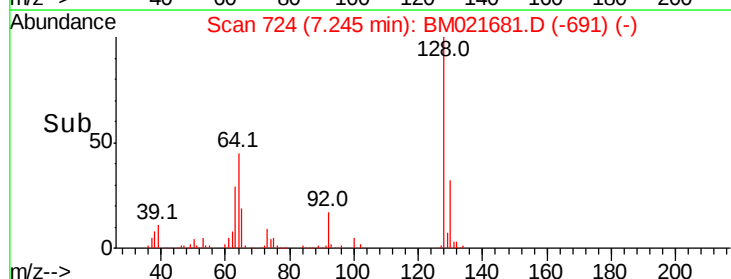
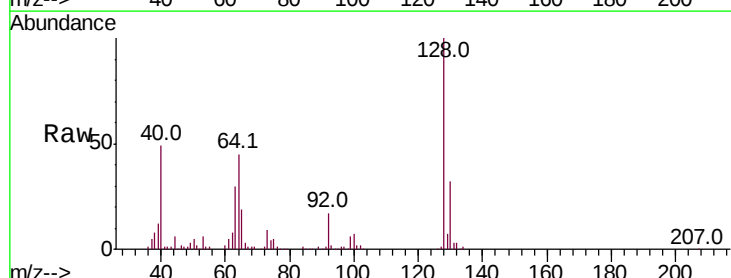
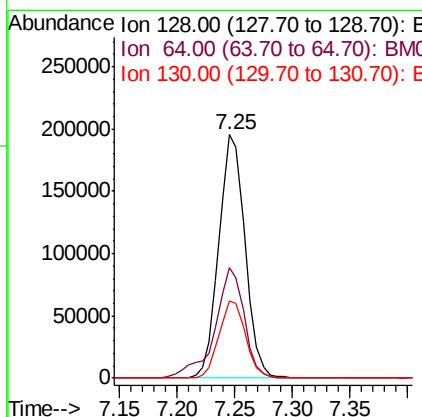
RT: 7.25 min Scan# 724

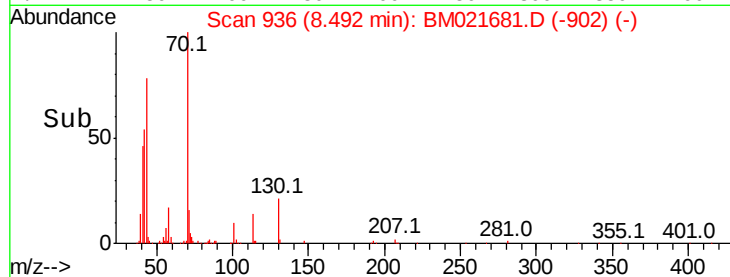
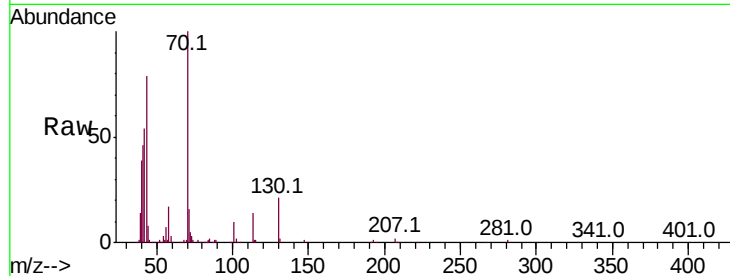
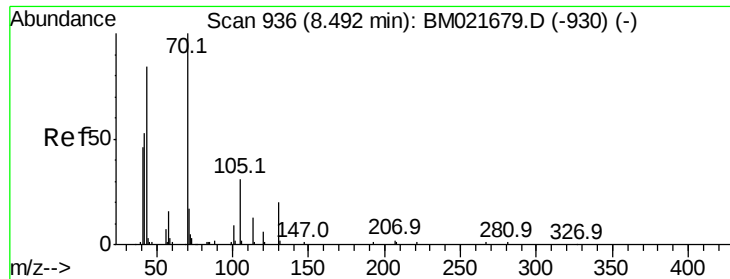
Delta R.T. -0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Tgt Ion:	128	Resp:	309052
Ion Ratio	Lower	Upper	
128	100		
64	45.3	34.5	51.7
130	31.7	27.6	41.4





#15

N-Nitroso-di-n-propylamine

Concen: 33.536 ng/ul

RT: 8.49 min Scan# 936

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

BEP11MS

Tot Ion: 70 Resp: 258185

Ion Ratio Lower Upper

70 100

42 53.6 43.2 64.8

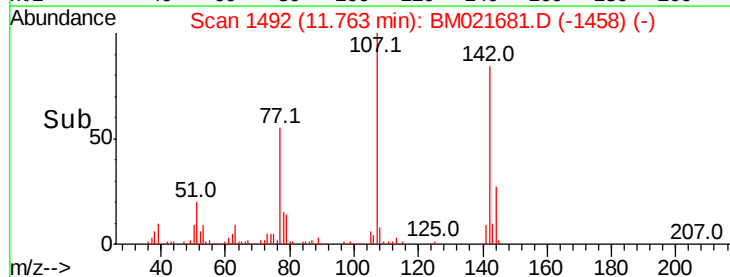
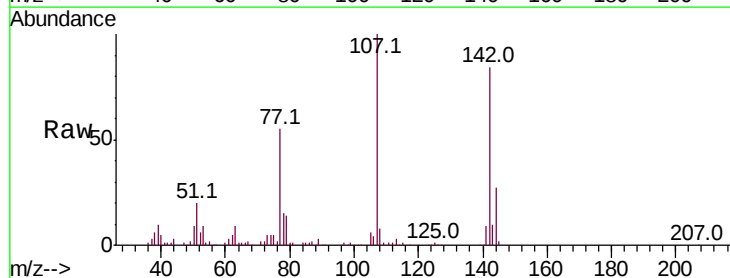
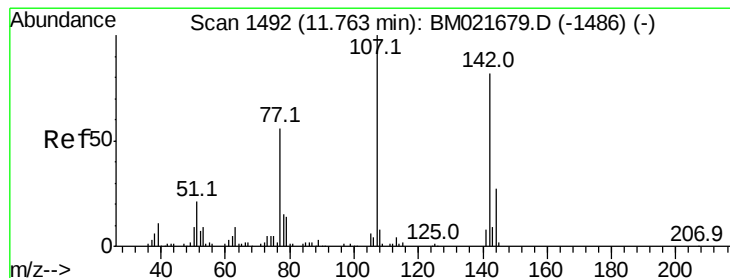
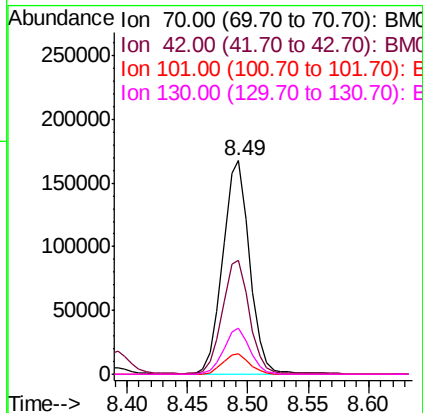
101 9.6 7.0 10.6

130 21.3 15.7 23.5

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#33

4-Chloro-3-methylphenol

Concen: 30.532 ng/ul

RT: 11.76 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

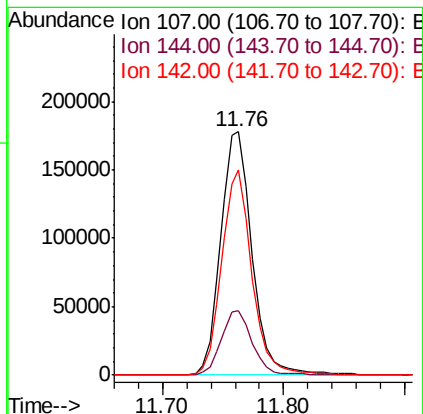
Tgt Ion: 107 Resp: 319770

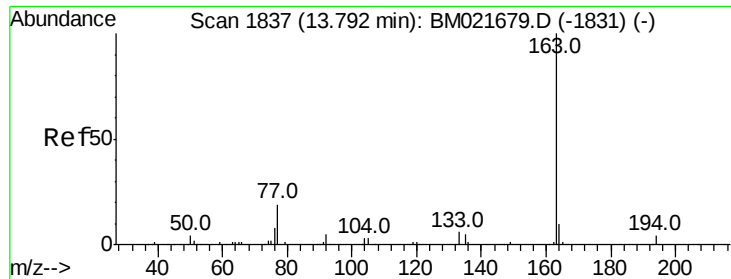
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 84.4 65.1 97.7





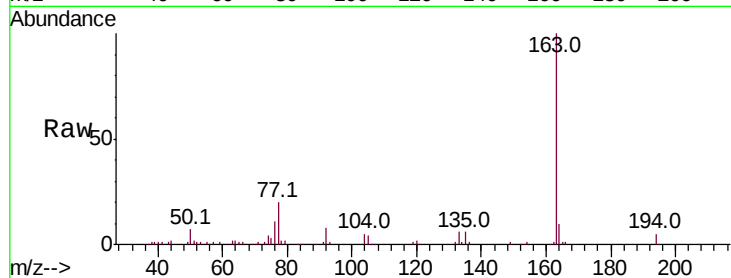
#44
Dimethylphthalate
Concen: 7.090 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
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BEP11MS

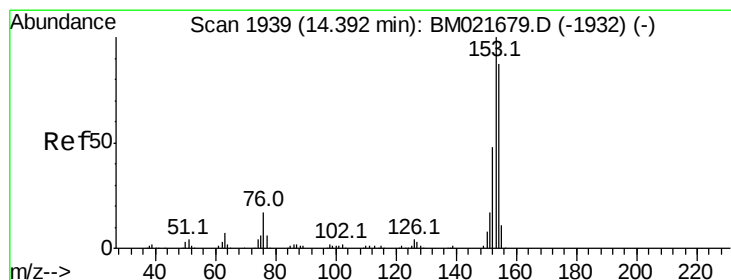
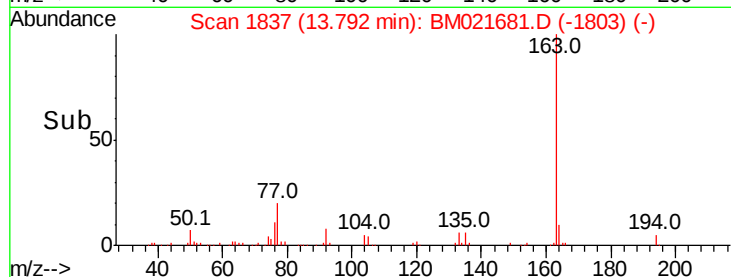
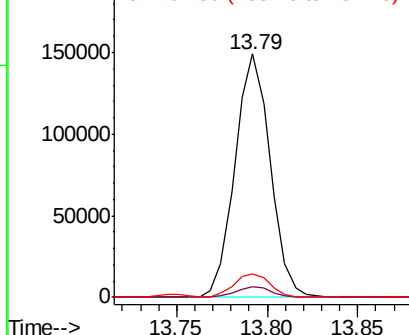
Tot Ion	Ratio	Resp	Lower	Upper
163	100	200873		
194	4.6	3.5	5.3	
164	9.8	8.1	12.1	

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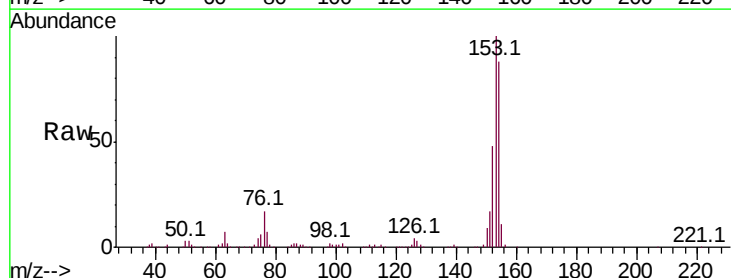


Abundance Ion 163.00 (162.70 to 163.70): E
200000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

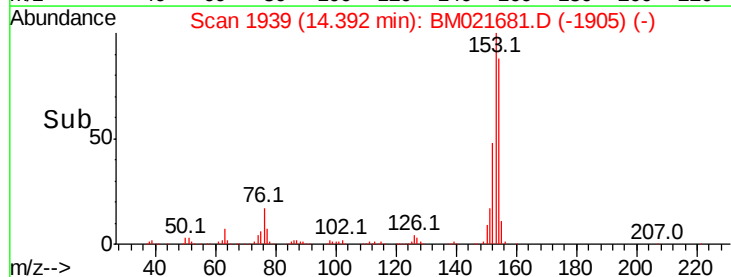
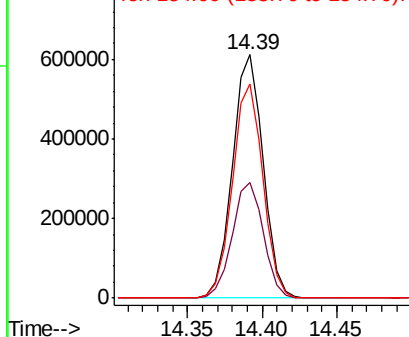


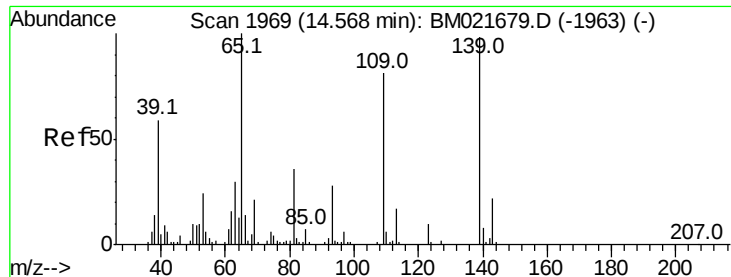
#49
Acenaphthene
Concen: 36.195 ng/ul
RT: 14.39 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	877123		
152	47.7	38.7	58.1	
154	87.7	69.2	103.8	



Abundance Ion 153.00 (152.70 to 153.70): E
800000
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





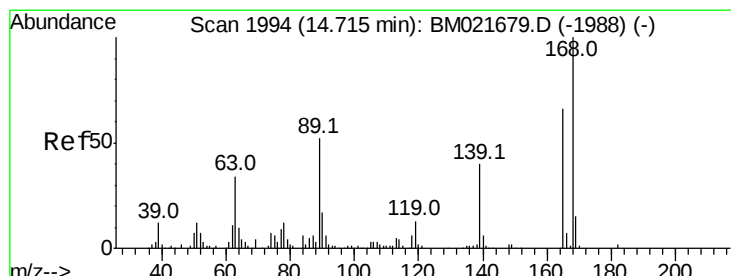
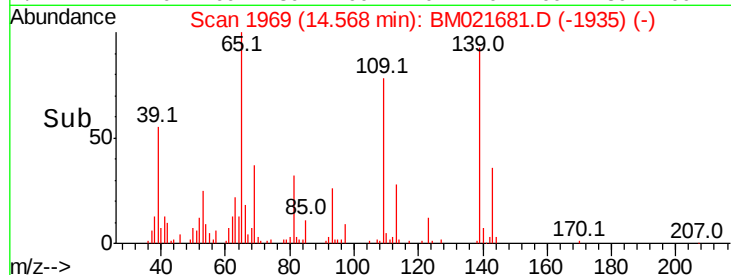
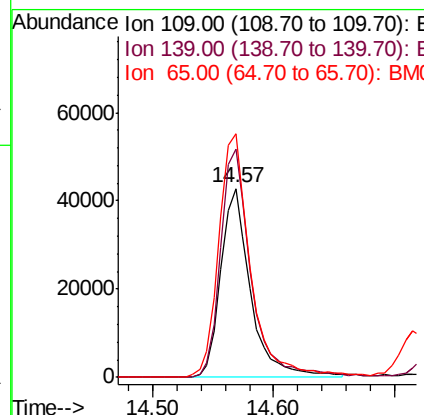
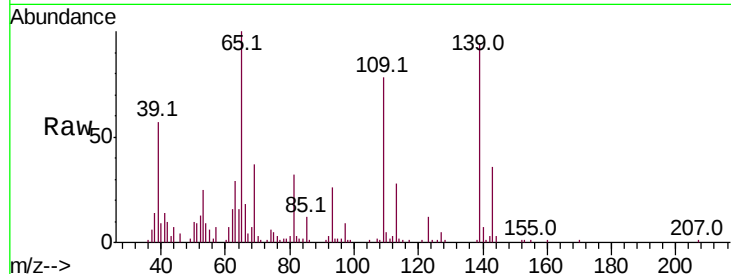
#52
4-Nitrophenol
Concen: 19.511 ng/ul
RT: 14.57 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

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BEP11MS

Tot Ion	Ratio	Resp	Lower	Upper
109	100			
139	120.8	96.6	144.8	
65	128.8	97.8	146.6	

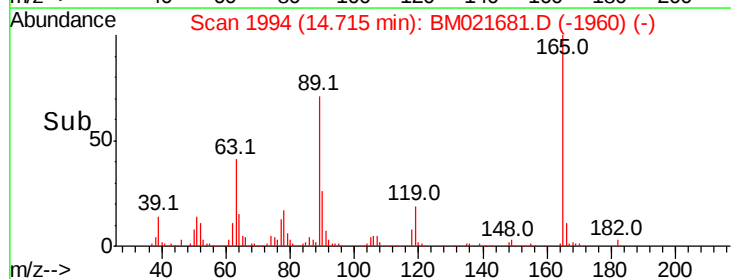
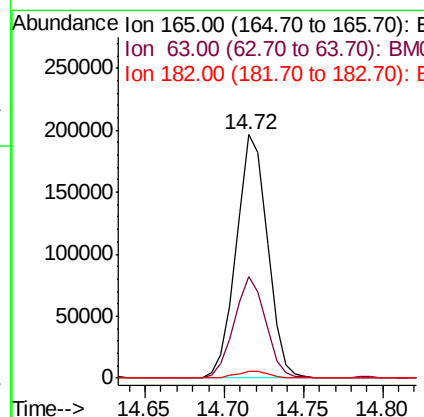
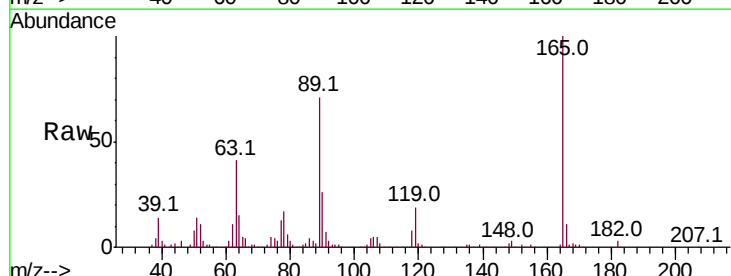
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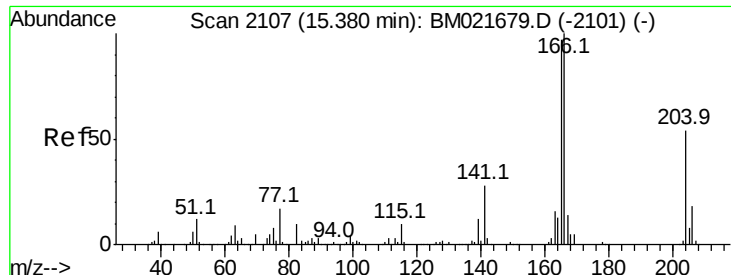
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#54
2,4-Dinitrotoluene
Concen: 36.466 ng/ul
RT: 14.72 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.5	42.7	64.1#	
182	2.8	2.3	3.5	





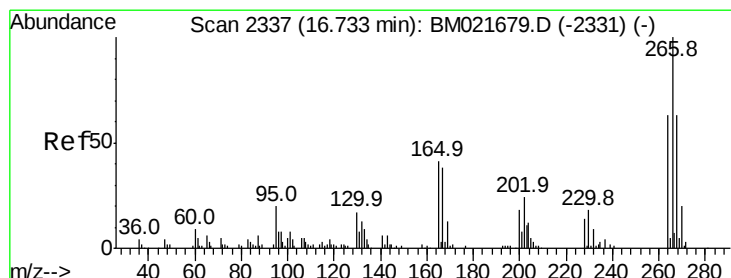
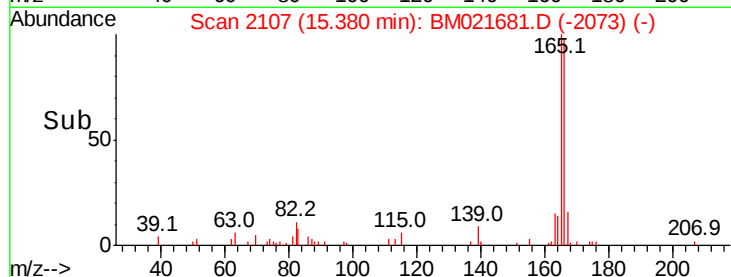
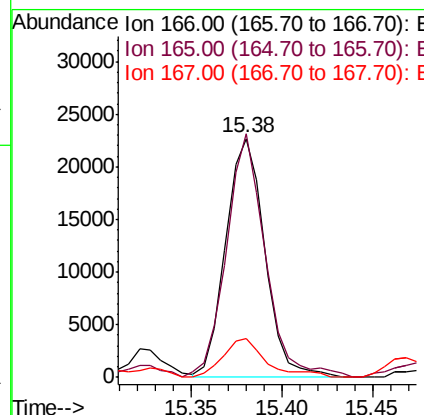
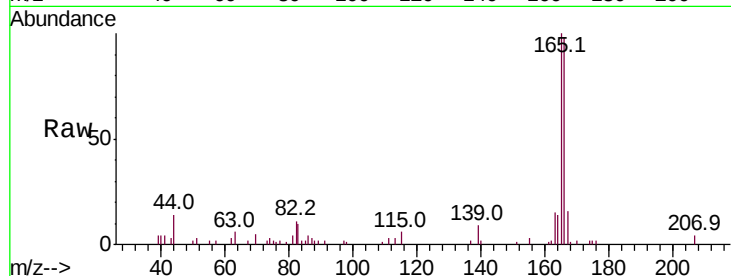
#58
Fluorene
 Concen: 1.202 ng/ul
 RT: 15.38 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

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Tot Ion	Ratio	Lower	Upper
166	100		
165	101.9	79.0	118.6
167	16.4	10.8	16.2#

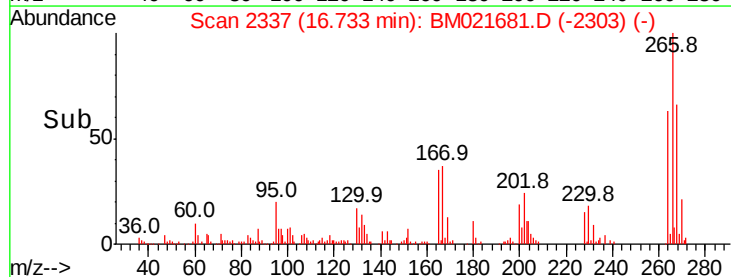
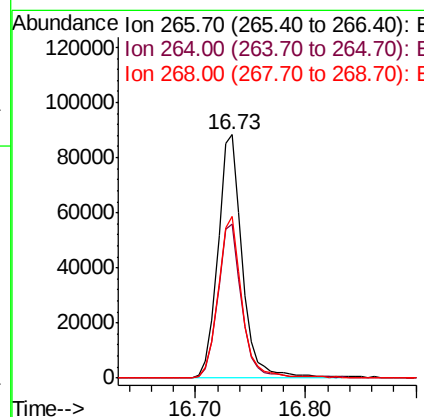
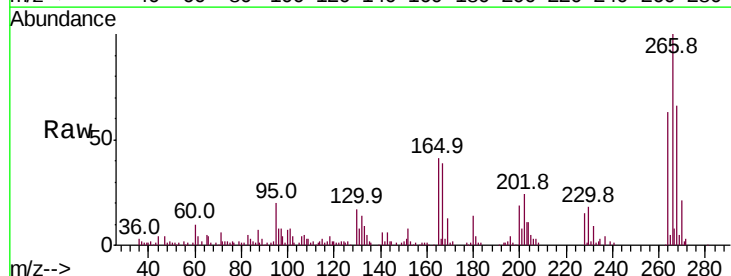
Manual Integrations
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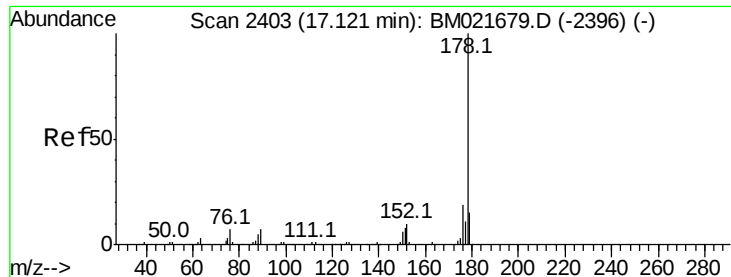
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#68
Pentachlorophenol
 Concen: 21.315 ng/ul
 RT: 16.73 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.1	48.2	72.2
268	66.4	51.0	76.6





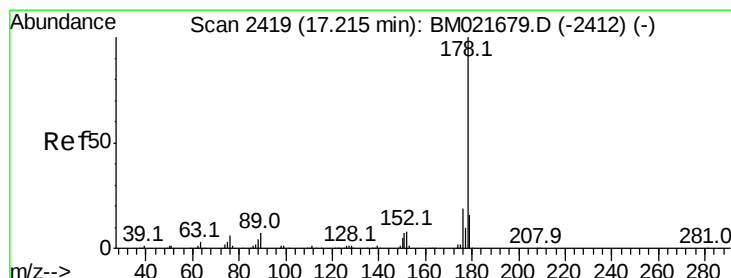
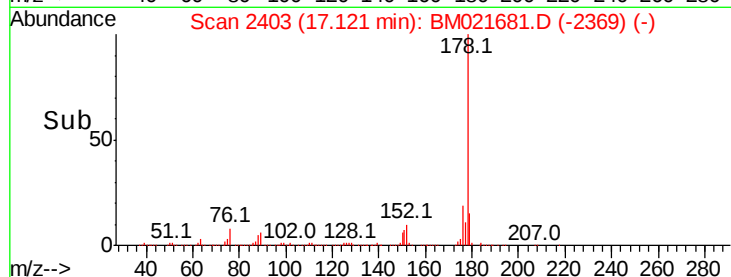
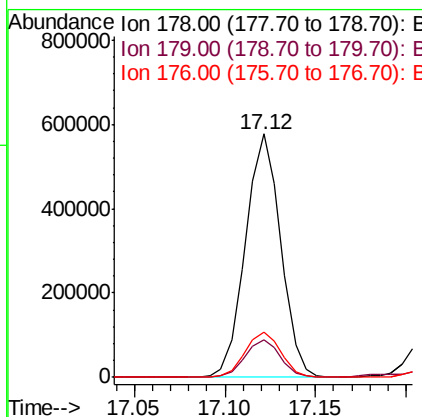
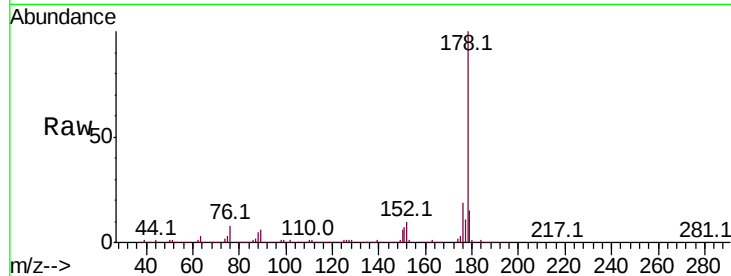
#69
Phenanthrene
Concen: 18.784 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	18.8	15.4	23.2

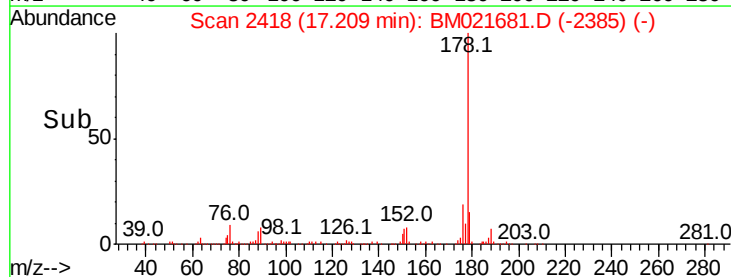
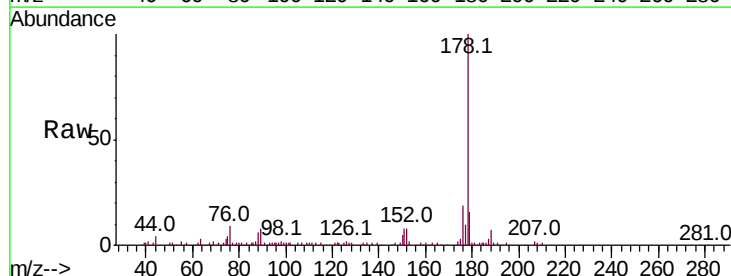
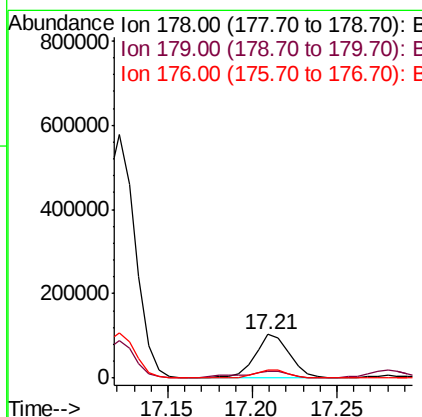
Manual Integrations
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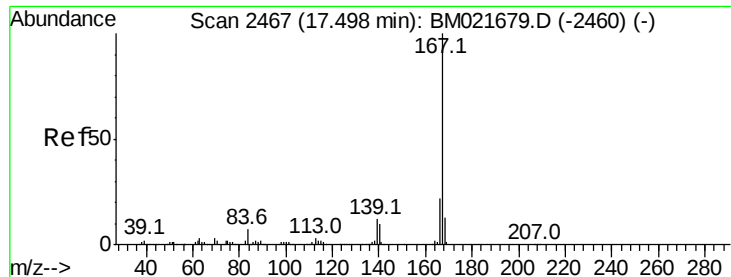
mohammad
7/29/2019 2:29:34 PM



#71
Anthracene
Concen: 3.453 ng/ul
RT: 17.21 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.1	14.8	22.2





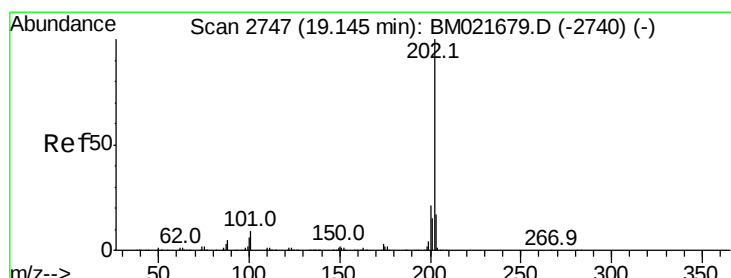
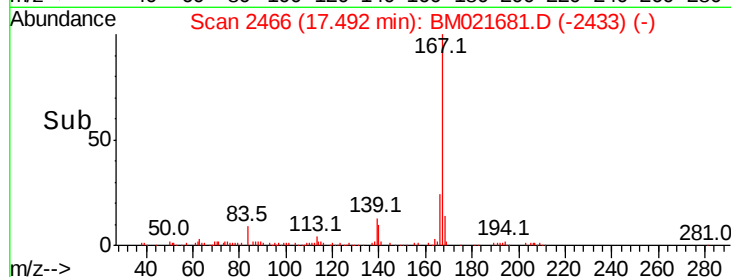
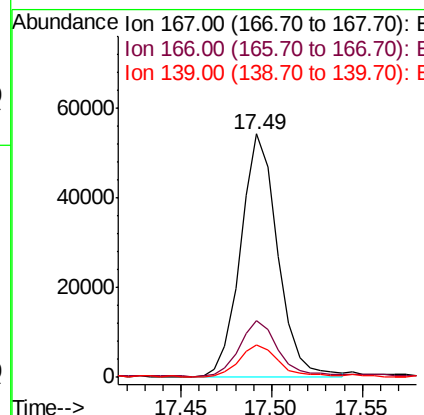
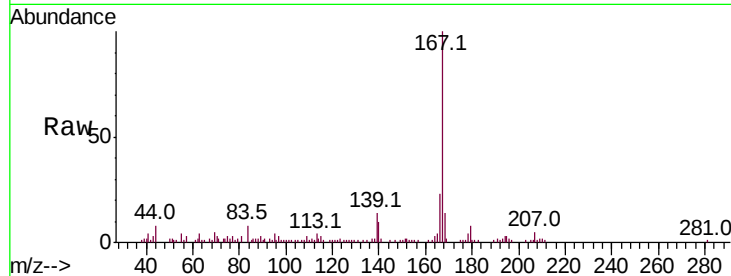
#74
 Carbazole
 Concen: 2.202 ng/ul
 RT: 17.49 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Instrument :
 BNA_M
 ClientSampleId :
 BEP11MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.0	25.4
139	13.6	10.0	15.0

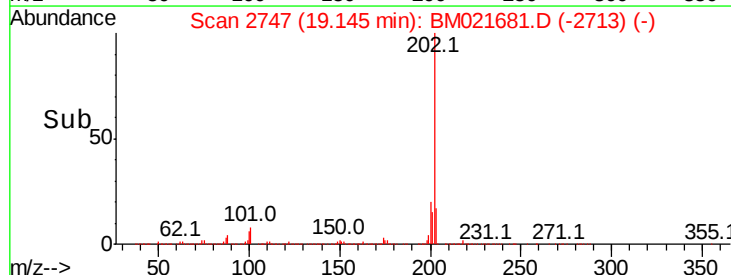
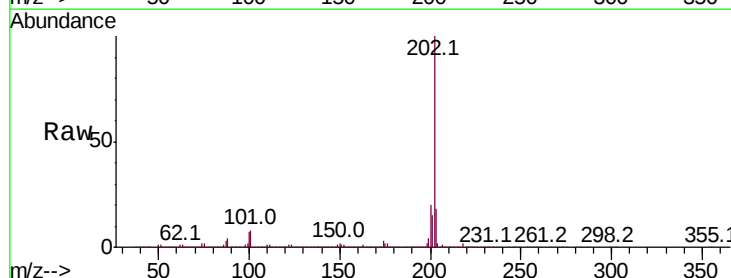
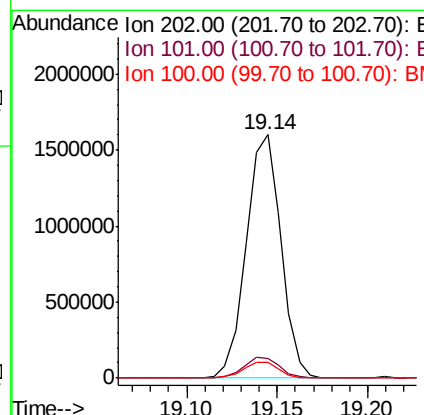
Manual Integrations
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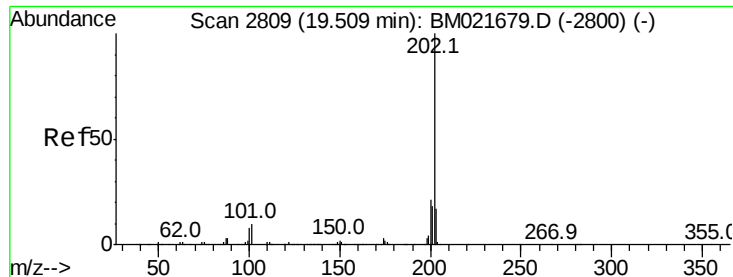
mohammad
 7/29/2019 2:29:34 PM



#76
 Fluoranthene
 Concen: 43.910 ng/ul
 RT: 19.14 min Scan# 2747
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.7	10.1
100	6.5	5.1	7.7





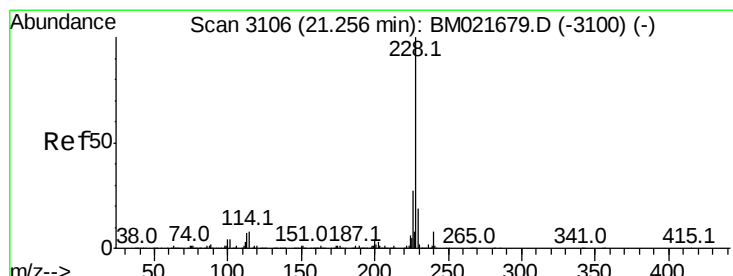
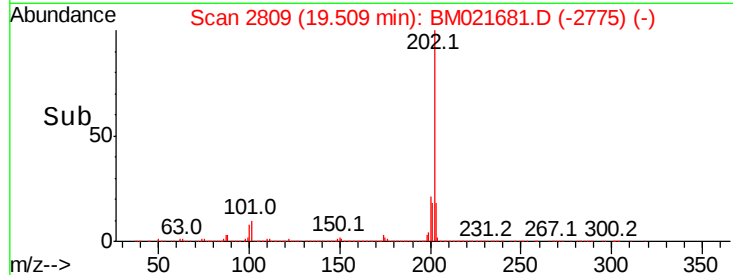
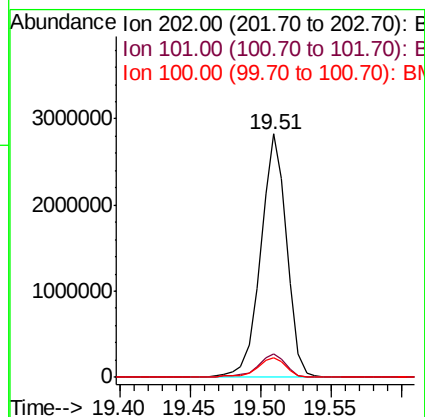
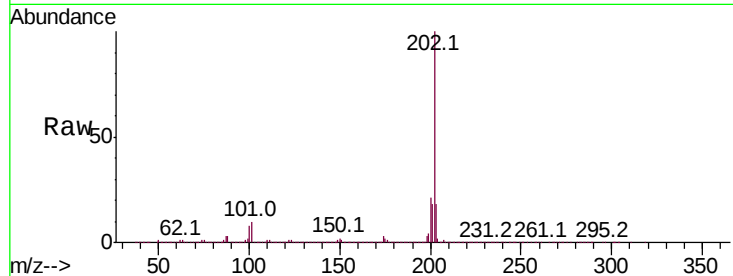
#79
Pvrene
Concen: 74.405 ng/ul
RT: 19.51 min Scan# 2809
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion:	202	Resp:	3651300
Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.2	12.2
100	8.2	7.0	10.4

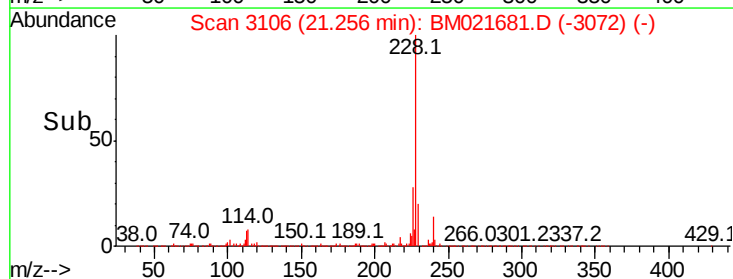
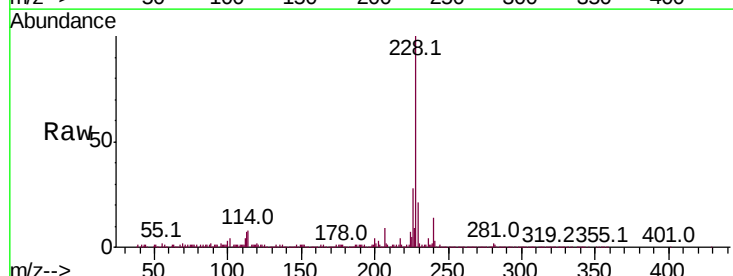
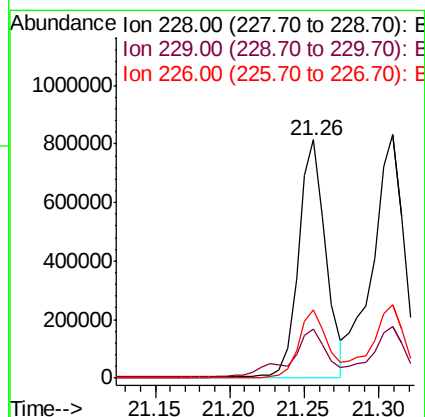
Manual Integrations
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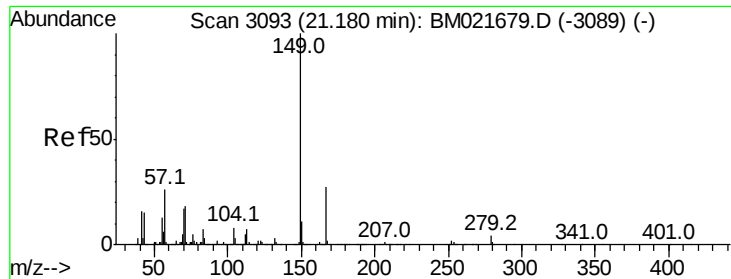
mohammad
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#82
Benzo(a)anthracene
Concen: 21.501 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion:	228	Resp:	1029776
Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	28.4	21.4	32.2





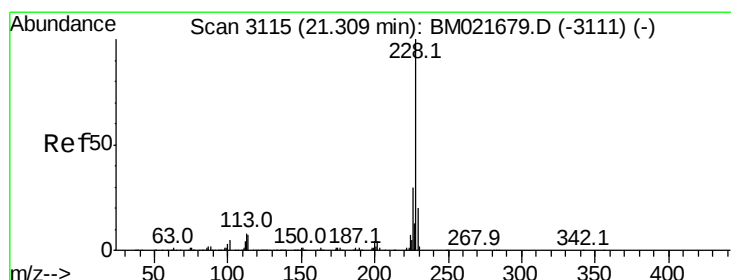
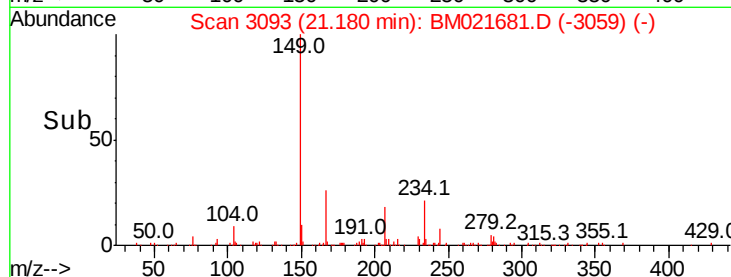
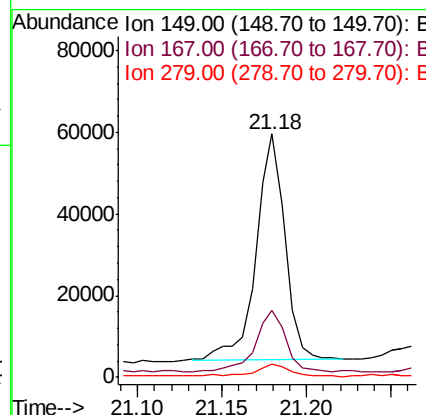
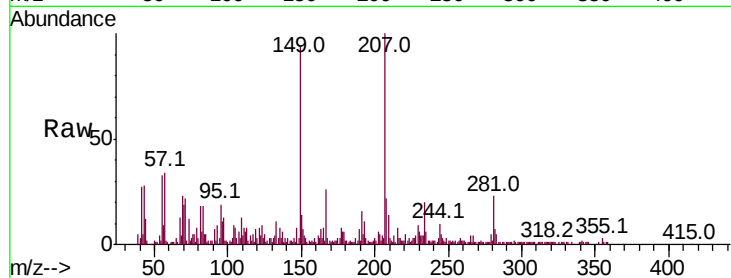
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.003 ng/ul
RT: 21.18 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.6	32.4
279	5.5	3.8	5.6

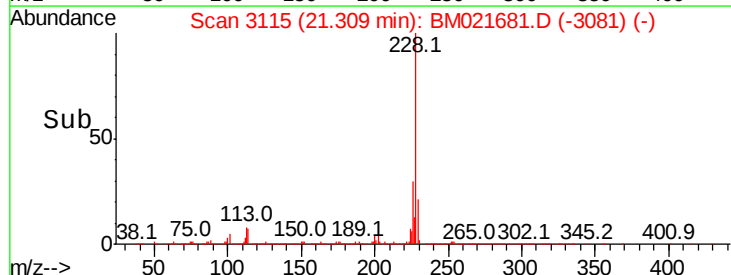
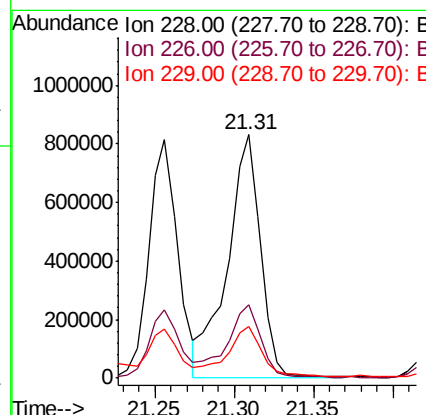
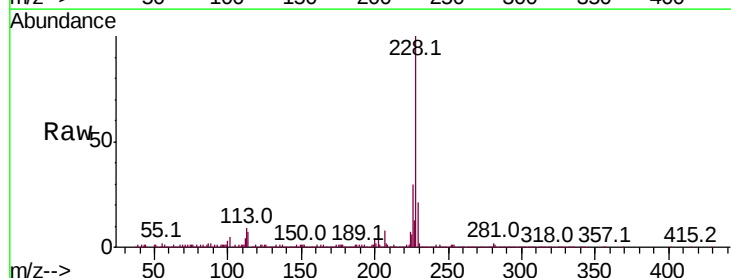
Manual Integrations
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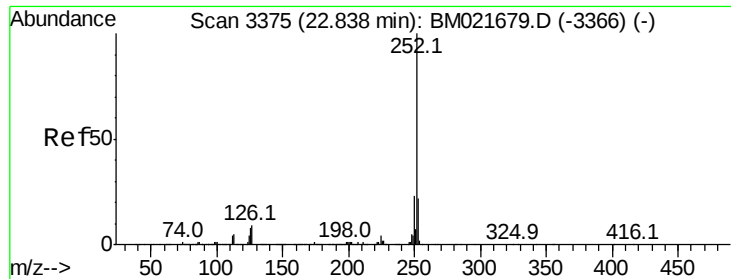
mohammad
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#84
Chrysene
Concen: 26.502 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	21.3	15.7	23.5





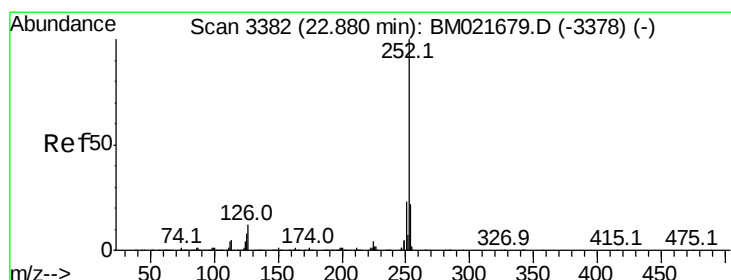
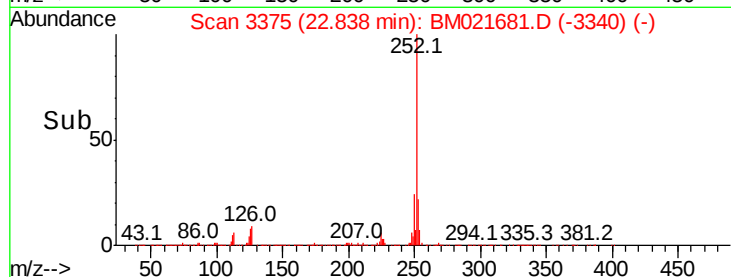
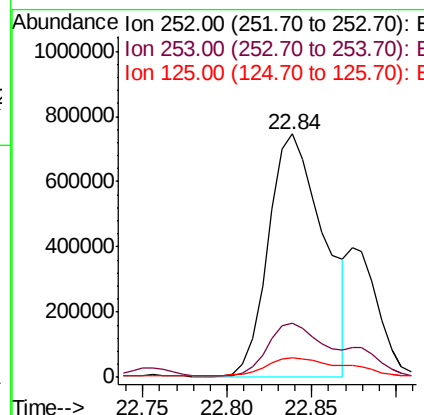
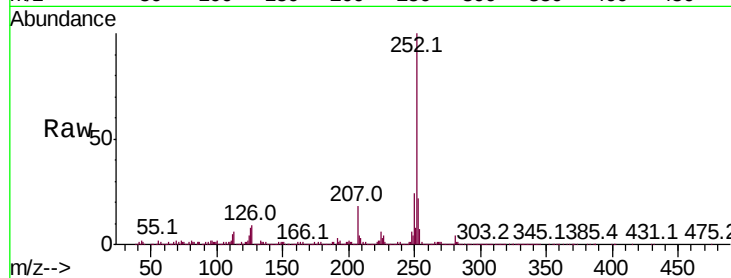
#87
Benzo(b)fluoranthene
Concen: 32.383 ng/ul
RT: 22.84 min Scan# 3375
Delta R.T. 0.01 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	8.2	6.3	9.5

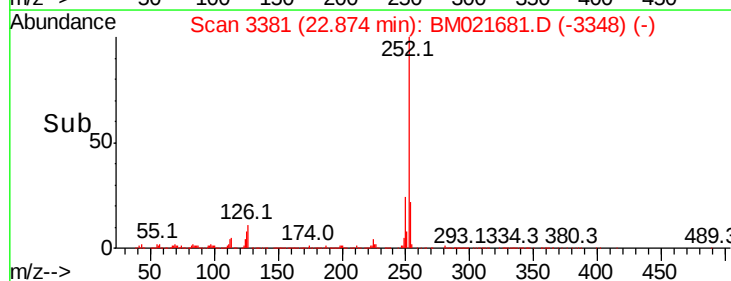
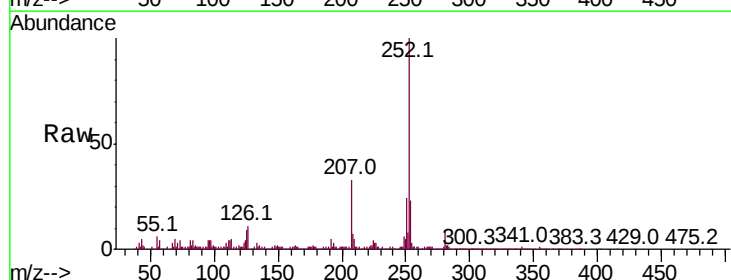
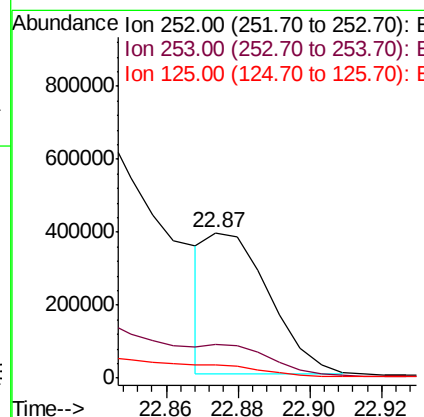
Manual Integrations
APPROVED

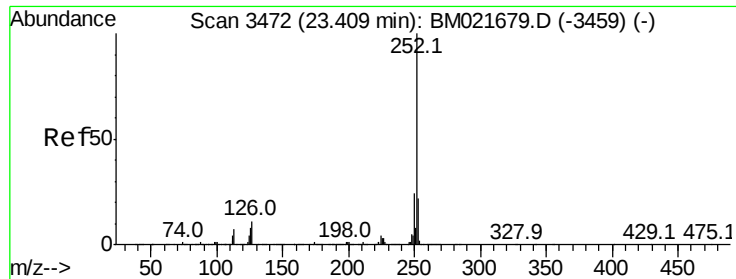
mohammad
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#88
Benzo(k)fluoranthene
Concen: 9.002 ng/ul m
RT: 22.87 min Scan# 3381
Delta R.T. -0.01 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	9.1	6.3	9.5





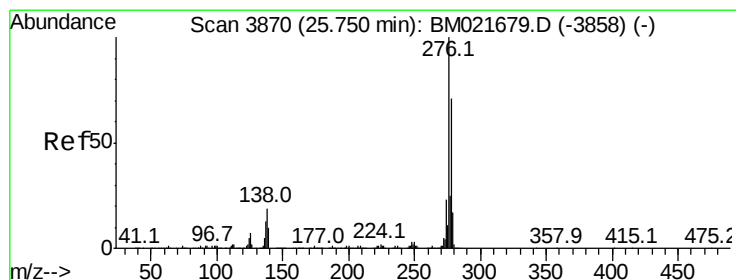
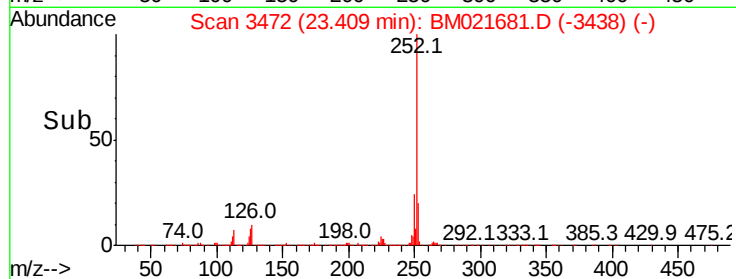
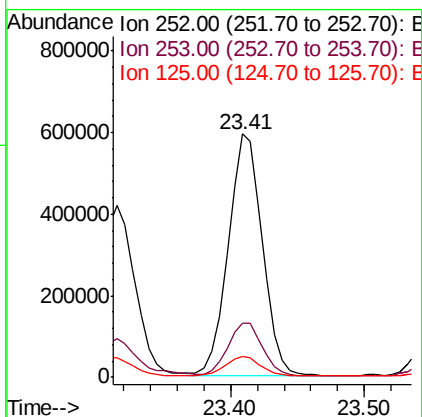
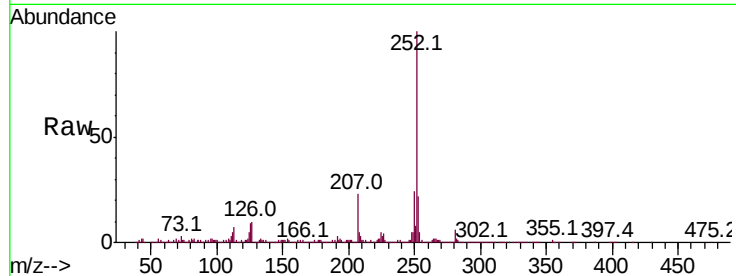
#90
Benzo(a)pyrene
Concen: 21.510 ng/ul
RT: 23.41 min Scan# 3472
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	8.6	7.0	10.6

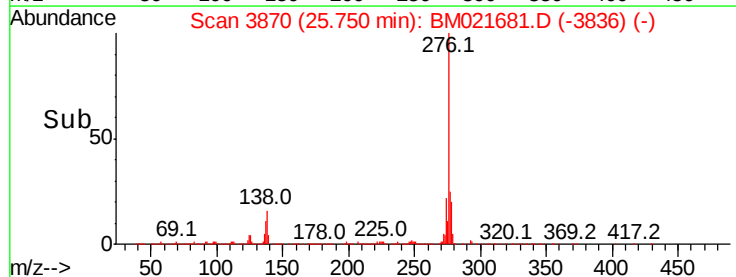
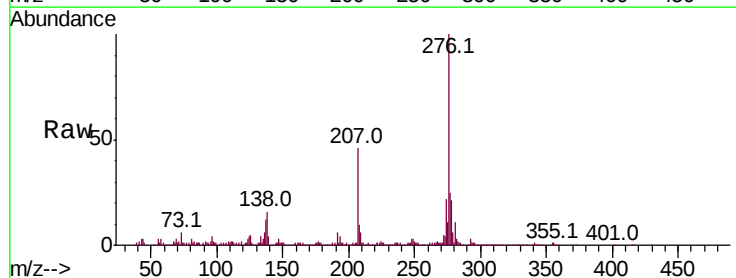
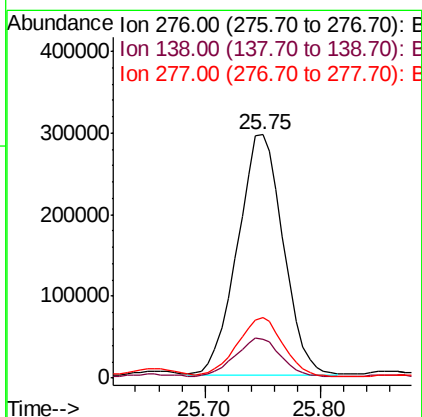
Manual Integrations
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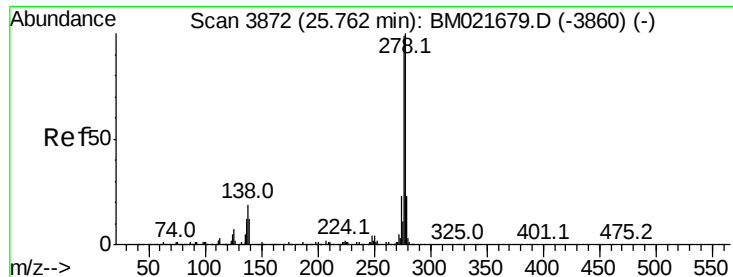
mohammad
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#91
Indeno(1,2,3-cd)pyrene
Concen: 14.390 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	14.8	22.2
277	25.1	19.7	29.5





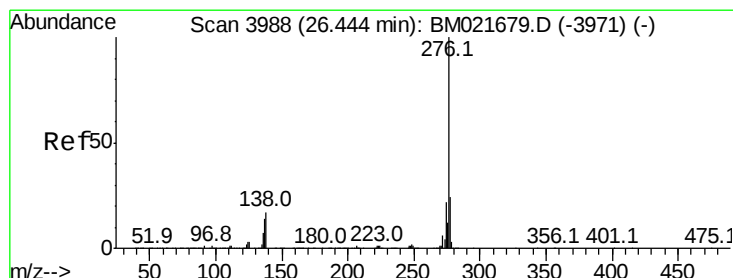
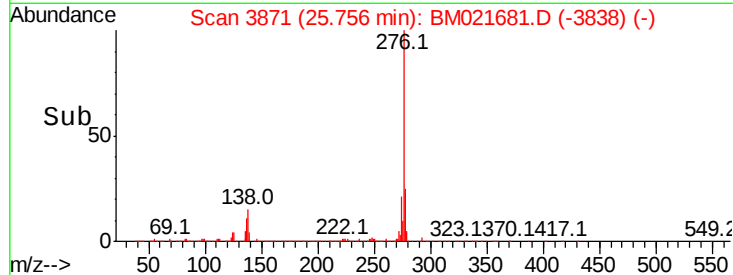
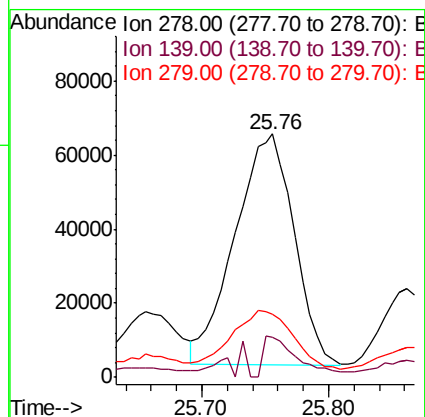
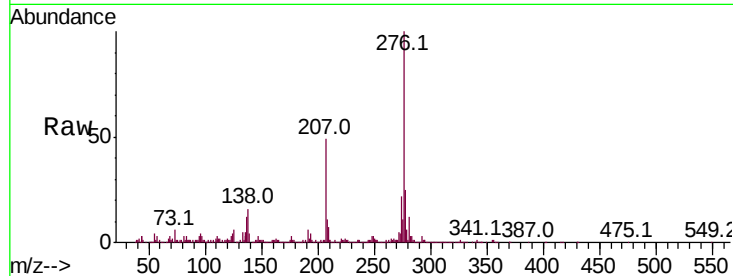
#92
Dibenzo(a,h)anthracene
Concen: 4.311 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. -0.01 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :
BEP11MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	9.6	14.4#
279	25.7	19.2	28.8

Manual Integrations
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7/29/2019 2:29:34 PM



#93
Benzo(g,h,i)perylene
Concen: 14.766 ng/ul
RT: 26.44 min Scan# 3988
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.1	19.7
277	24.7	19.0	28.6

