

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061119\
 Data File : BM020874.D
 Acq On : 11 Jun 2019 14:57
 Operator : HP/JU
 Sample : K3083-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A51F6

Manual Integrations
 APPROVED

mohammad
 6/12/2019 8:31:51 AM

Quant Time: Jun 11 17:12:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 09 01:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	250410	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	975767	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	544804	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1267734	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1228054	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1432049	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	24475	4.66	ng/uL	0.00
5) Phenol-d5	6.97	99	445322	23.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	271954	23.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	392981	25.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	355289	23.05	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	181945	27.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	196242	28.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	369129	25.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	253572	14.72	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1113107	27.62	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1379864	27.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	121404	17.56	ng/ul	0.00
57) Fluorene-d10	15.44	176	953793	27.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	12566	1.94	ng/ul	0.00
70) Anthracene-d10	17.29	188	1480404	26.73	ng/ul	0.00
78) Pyrene-d10	19.59	212	1583001	26.67	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1734068	26.64	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.96	77	60475	4.189	ng/ul 99
6) Phenol	7.00	94	76409	3.874	ng/ul 99
14) Acetophenone	8.63	105	69893	2.934	ng/ul 96
28) Naphthalene	10.65	128	155213	3.387	ng/ul 99
34) 2-Methylnaphthalene	12.26	142	57919	1.721	ng/ul 97
44) Dimethylphthalate	13.90	163	259529	6.432	ng/ul 100
49) Acenaphthene	14.51	153	257097	7.450	ng/ul 98
53) Dibenzofuran	14.85	168	183140	3.752	ng/ul 98
58) Fluorene	15.49	166	234334	5.979	ng/ul 99
69) Phenanthrene	17.23	178	3084337	48.342	ng/ul 99
71) Anthracene	17.33	178	690251	10.554	ng/ul 99
74) Carbazole	17.60	167	401340	7.057	ng/ul 99
75) Di-n-butylphthalate	18.16	149	72874	1.025	ng/ul# 96
76) Fluoranthene	19.25	202	4243553	58.039	ng/ul 99
79) Pyrene	19.62	202	3344853	44.124	ng/ul 97
80) Butylbenzylphthalate	20.51	149	32970	1.067	ng/ul# 84
82) Benzo(a)anthracene	21.36	228	1925868	25.139	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.29	149	238039	4.568	ng/ul 99
84) Chrysene	21.41	228	1733781	24.390	ng/ul 98
87) Benzo(b)fluoranthene	22.97	252	2314905	27.788	ng/ul 97
88) Benzo(k)fluoranthene	23.02	252	787926m	9.895	ng/ul
90) Benzo(a)pyrene	23.56	252	1534177	19.357	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.98	276	1029481	10.998	ng/ul# 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	25.99	278	278693	3.514	ng/ul#	90
93) Benzo(g,h,i)perylene	26.69	276	887884	11.691	ng/ul	97

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

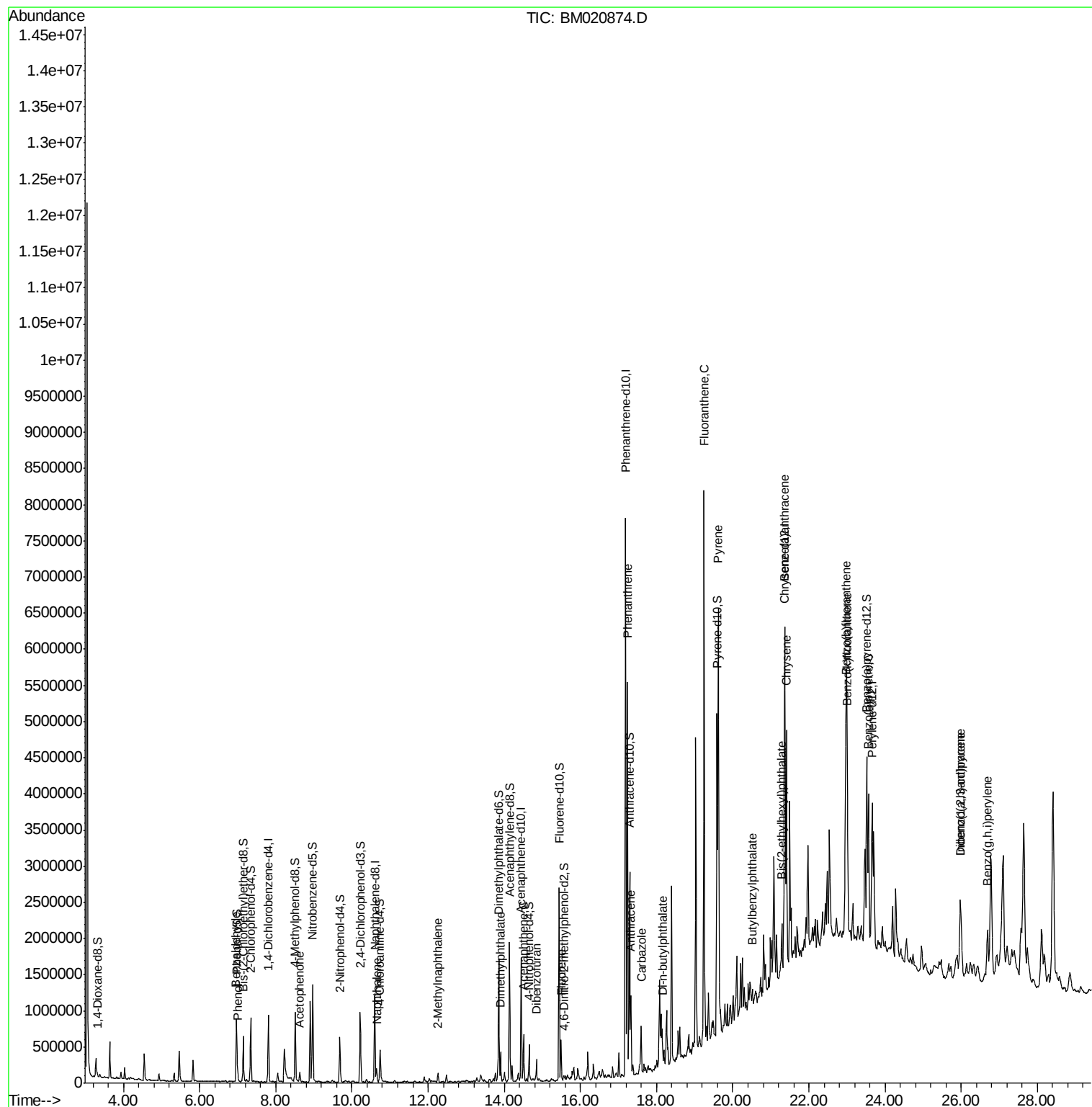
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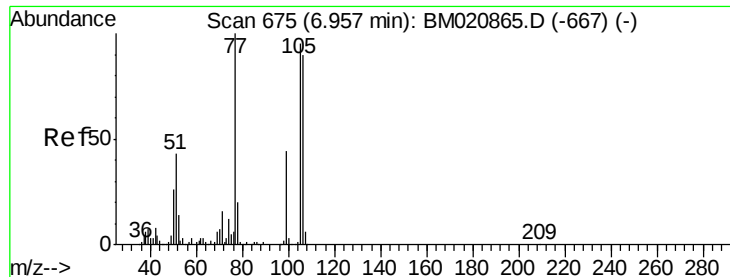
Instrument :
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#4

Benzaldehyde

Concen: 4.189 ng/ul

RT: 6.96 min Scan# 675

Delta R.T. -0.01 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

Instrument :

BNA_M

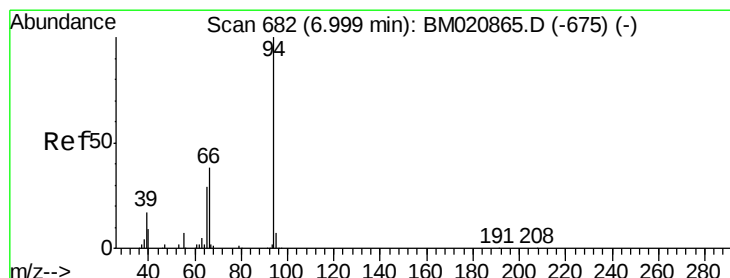
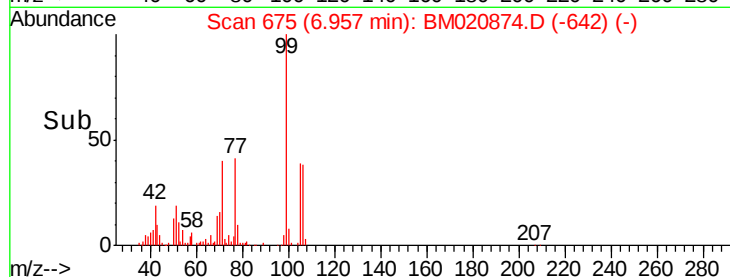
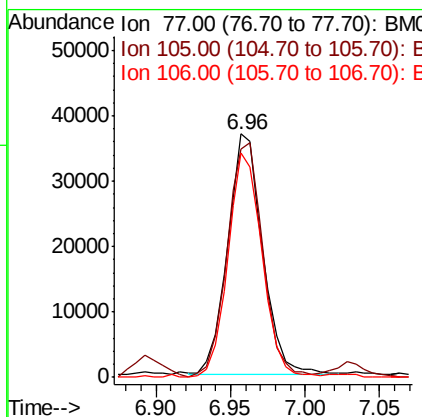
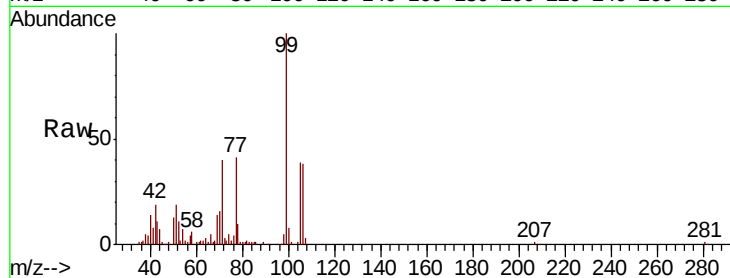
ClientSampled :

A51F6

Tot Ion:	77	Resp:	60475
Ion	Ratio	Lower	Upper
77	100		
105	93.9	74.7	112.1
106	92.2	72.3	108.5

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#6

Phenol

Concen: 3.874 ng/ul

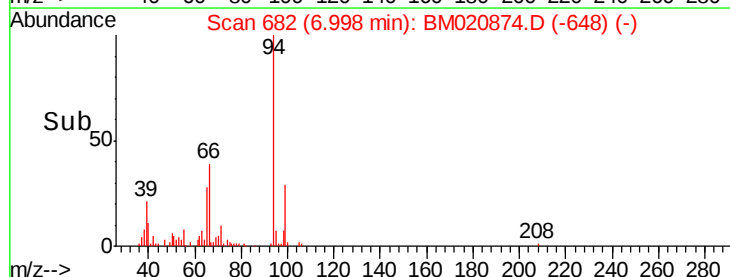
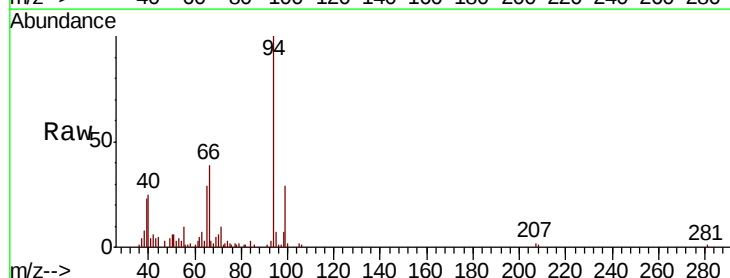
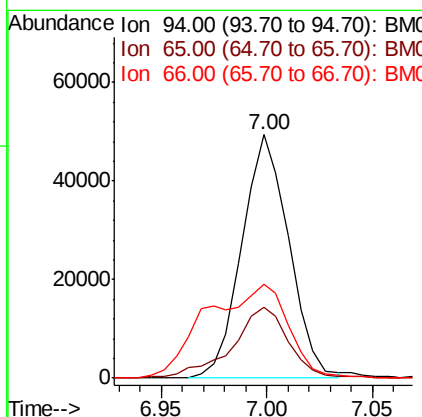
RT: 7.00 min Scan# 682

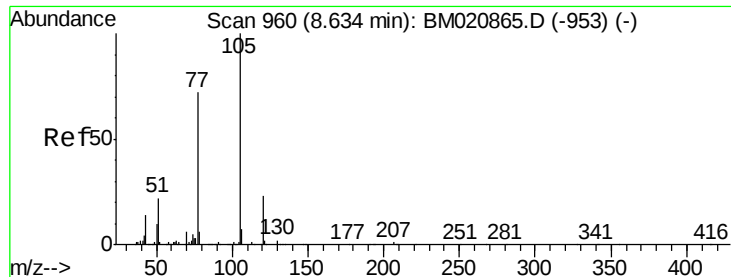
Delta R.T. 0.00 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

Tgt Ion:	94	Resp:	76409
Ion	Ratio	Lower	Upper
94	100		
65	29.1	23.3	34.9
66	38.8	32.1	48.1





#14

Acetophenone

Concen: 2.934 ng/ul

RT: 8.63 min Scan# 960

Delta R.T. 0.00 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

Instrument :

BNA_M

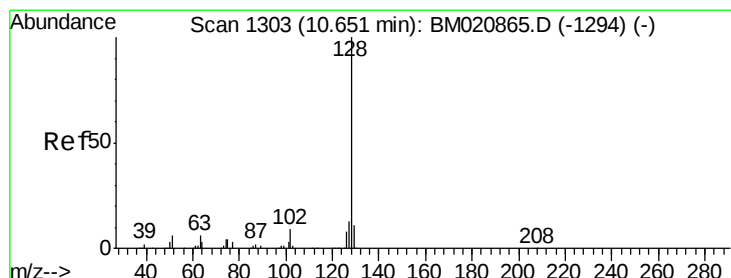
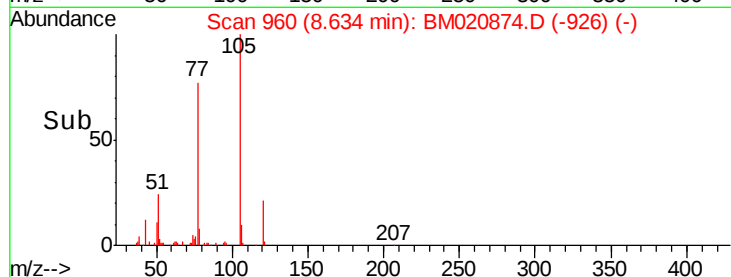
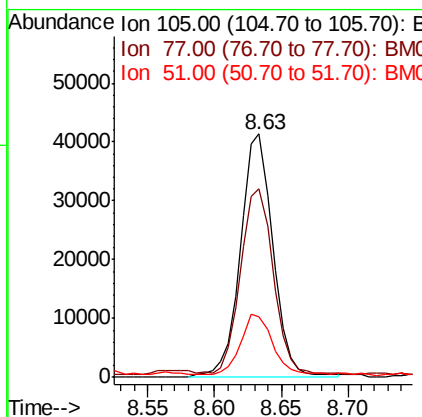
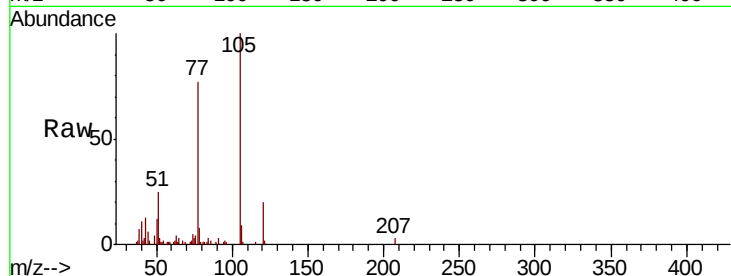
ClientSampled :

A51F6

Tot Ion:	105	Resp:	69893
Ion Ratio	Lower	Upper	
105	100		
77	77.4	64.6	97.0
51	25.0	21.4	32.2

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#28

Naphthalene

Concen: 3.387 ng/ul

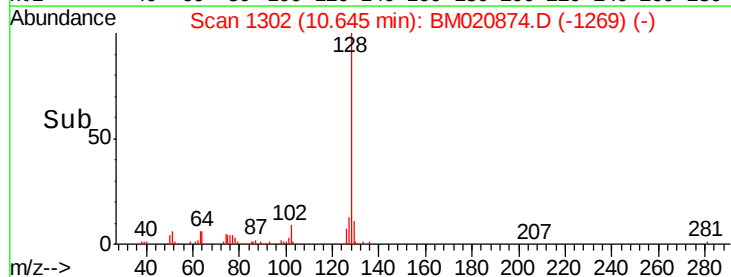
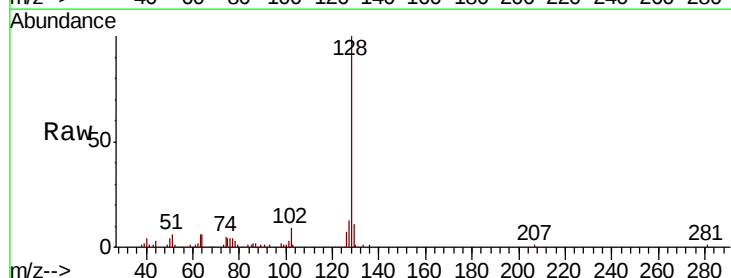
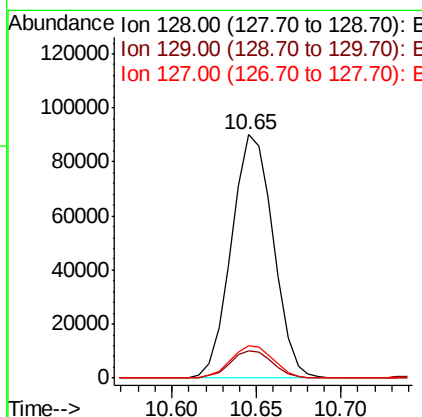
RT: 10.65 min Scan# 1302

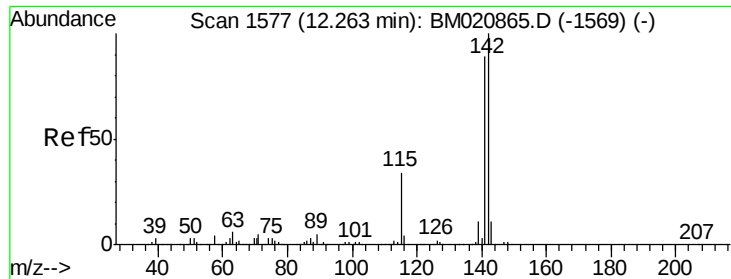
Delta R.T. -0.01 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

Tgt Ion:	128	Resp:	155213
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	13.0
127	13.2	10.2	15.2





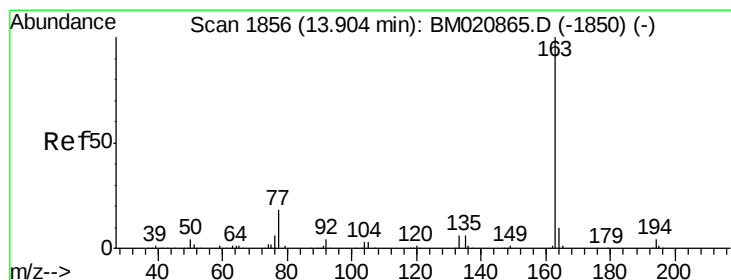
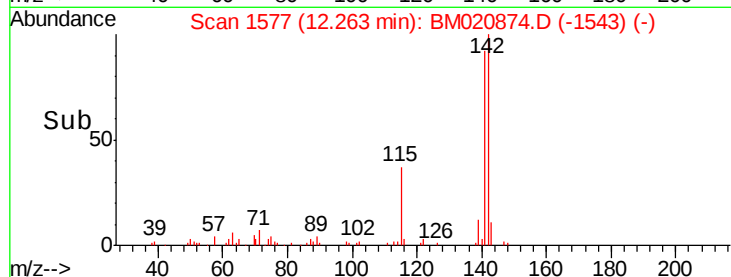
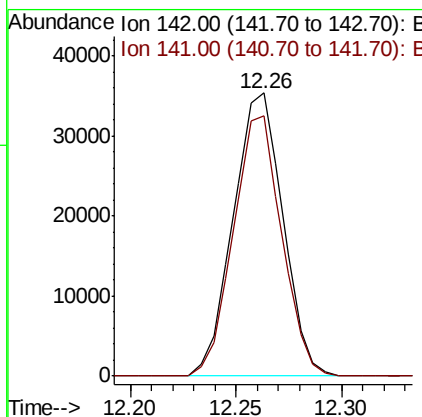
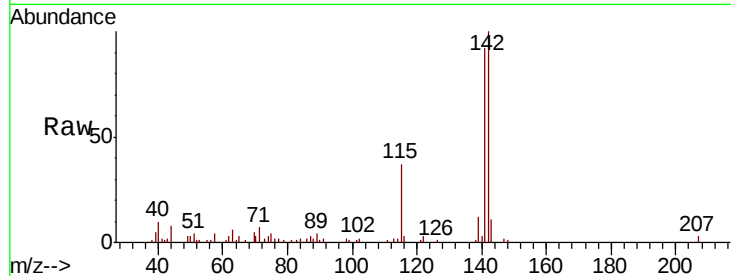
#34
2-Methylnaphthalene
Concen: 1.721 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Instrument :
BNA_M
ClientSampleId :
A51F6

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.4	107.0

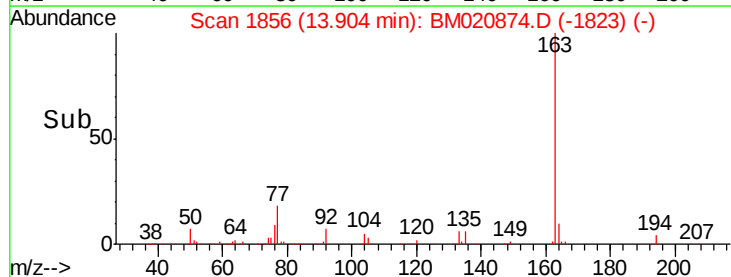
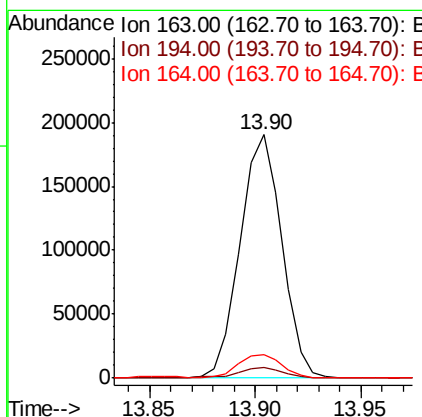
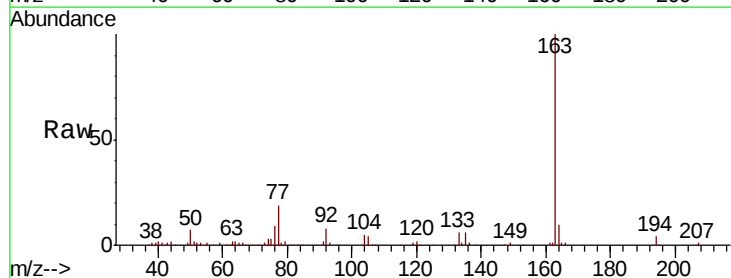
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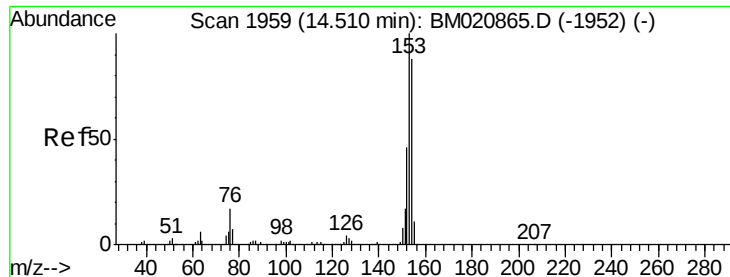
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#44
Dimethylphthalate
Concen: 6.432 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	9.9	8.0	12.0





#49

Acenaphthene

Concen: 7.450 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

Instrument :

BNA_M

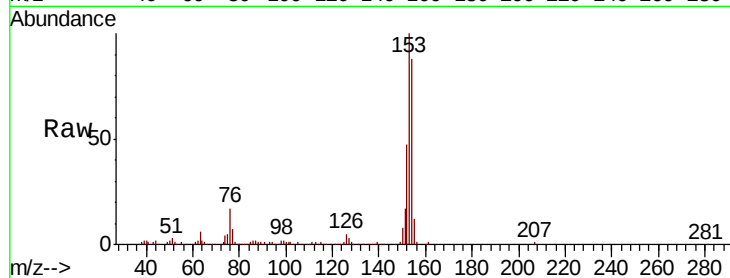
ClientSampleId :

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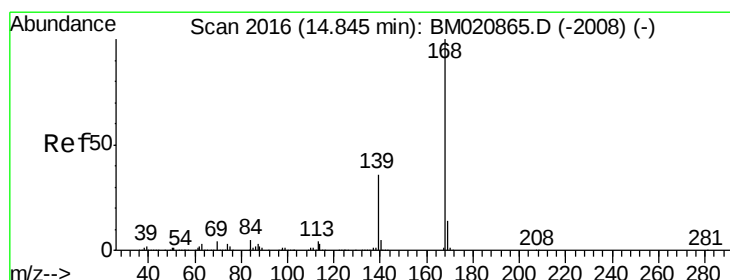
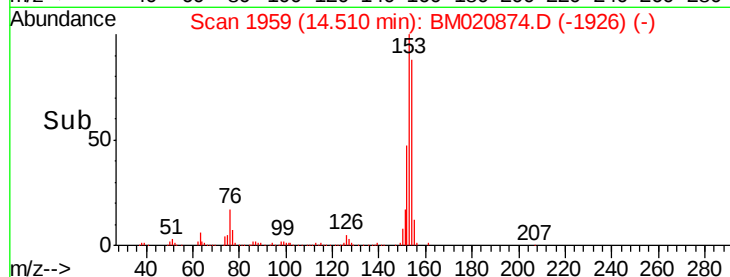
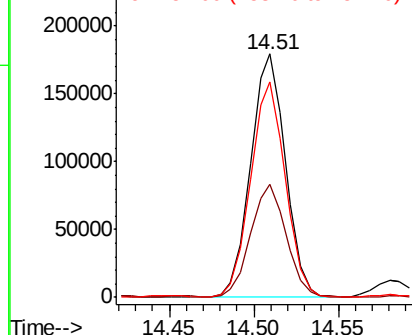
Tot Ion:	153	Resp:	257097
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.3	55.9
154	88.2	68.7	103.1

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



#53

Dibenzofuran

Concen: 3.752 ng/ul

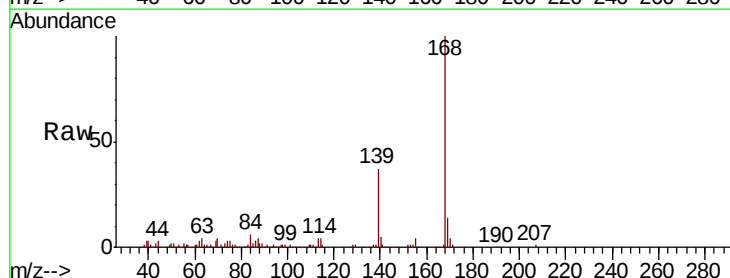
RT: 14.85 min Scan# 2016

Delta R.T. 0.00 min

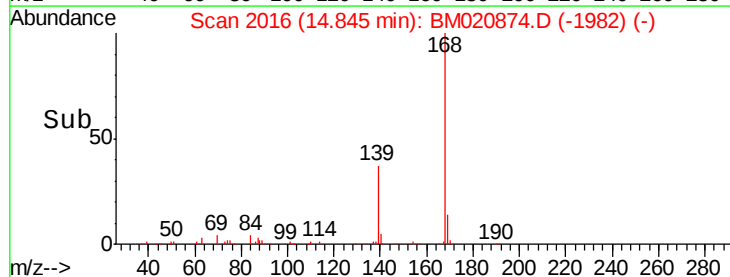
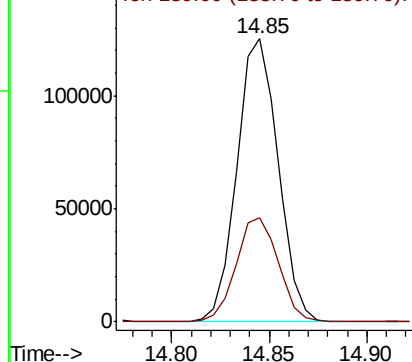
Lab File: BM020874.D

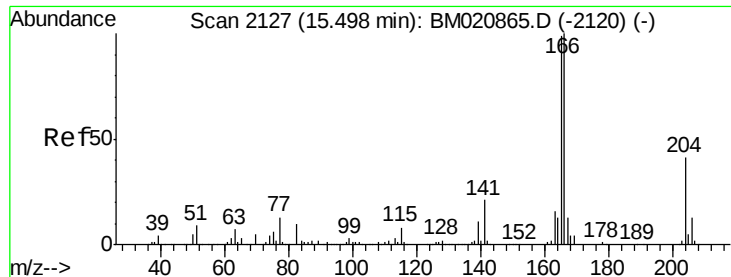
Acq: 11 Jun 2019 14:57

Tgt Ion:	168	Resp:	183140
Ion Ratio	Lower	Upper	
168	100		
139	36.9	30.4	45.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





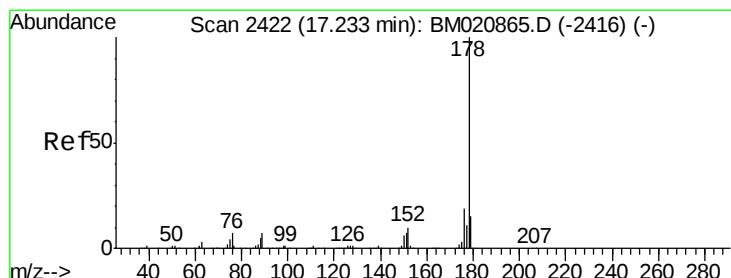
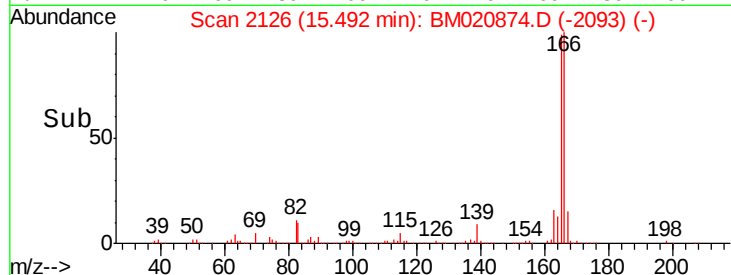
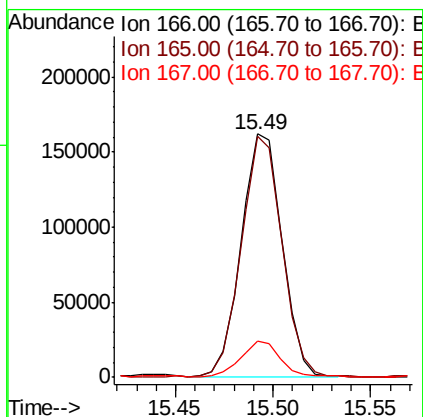
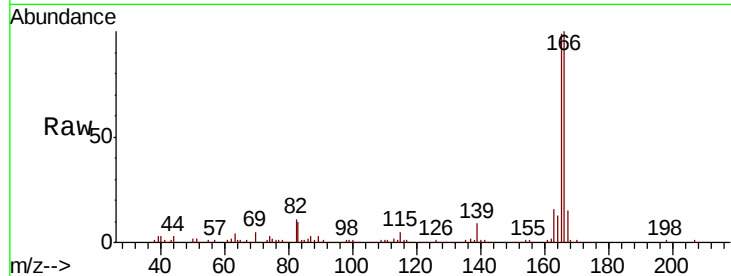
#58
 Fluorene
 Concen: 5.979 ng/ul
 RT: 15.49 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BM020874.D
 Acq: 11 Jun 2019 14:57

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Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	117.8
167	14.8	10.8	16.2

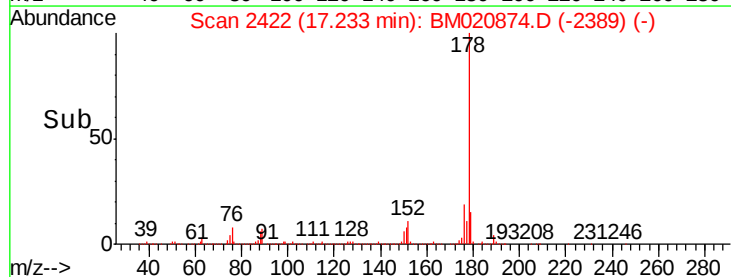
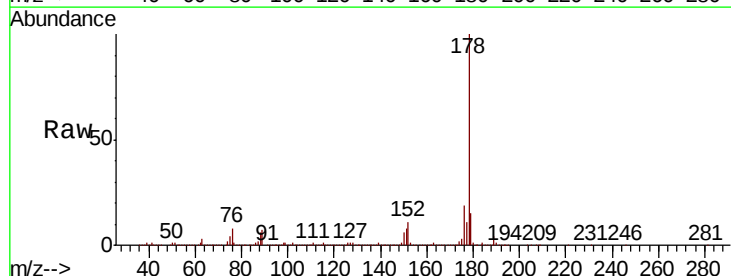
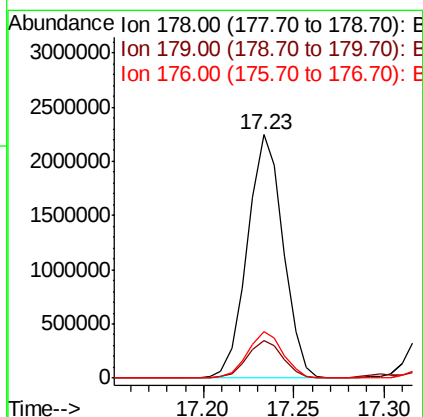
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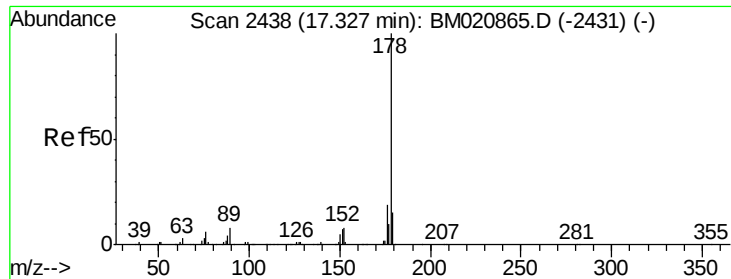
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#69
 Phenanthrene
 Concen: 48.342 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BM020874.D
 Acq: 11 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.1	14.8	22.2





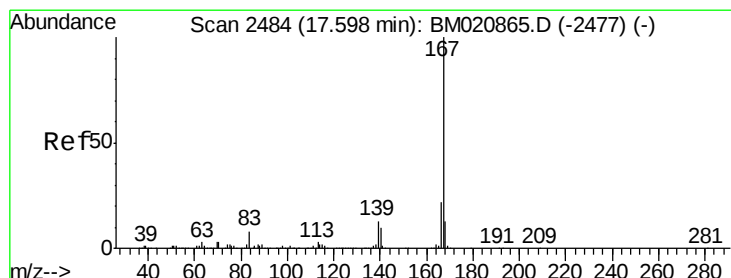
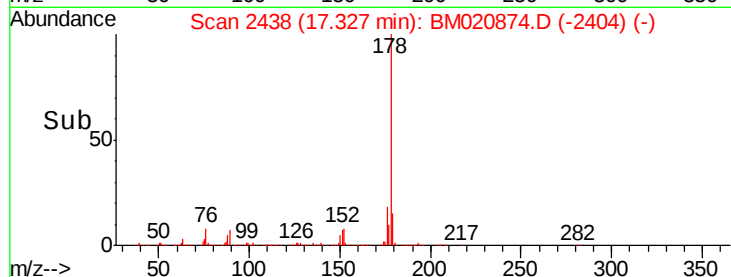
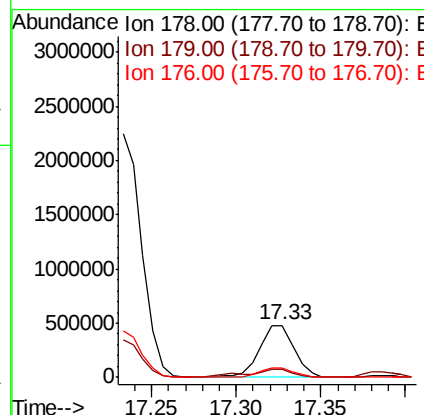
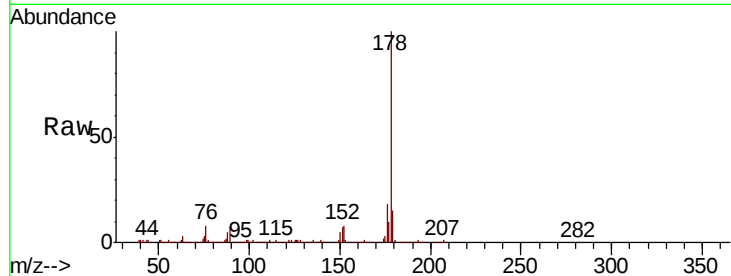
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 Anthracene
 Concen: 10.554 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020874.D
 Acq: 11 Jun 2019 14:57

Instrument :
 BNA_M
 ClientSampled :
 A51F6

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.1	18.1
176	17.8	14.9	22.3

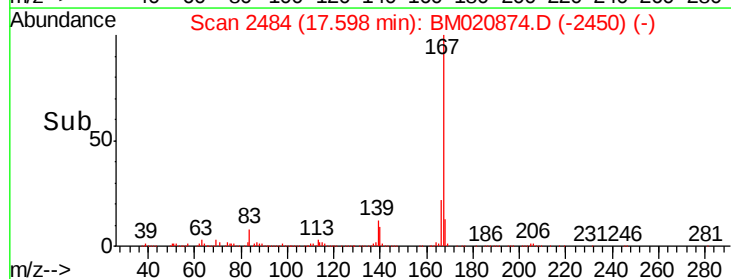
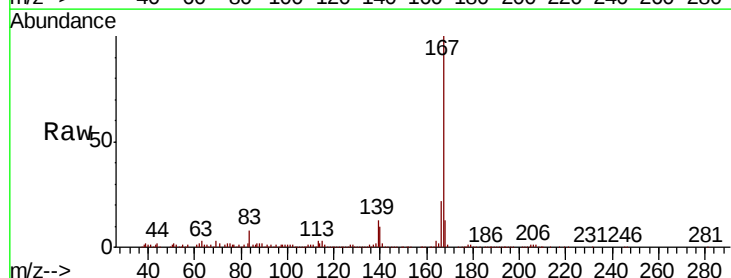
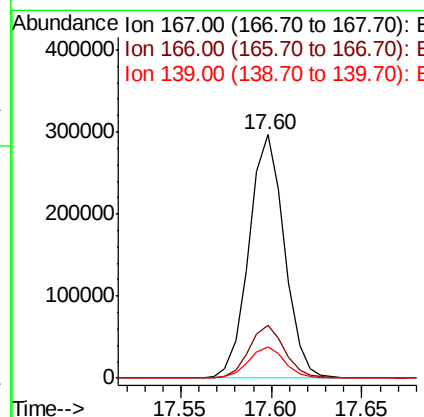
Manual Integrations
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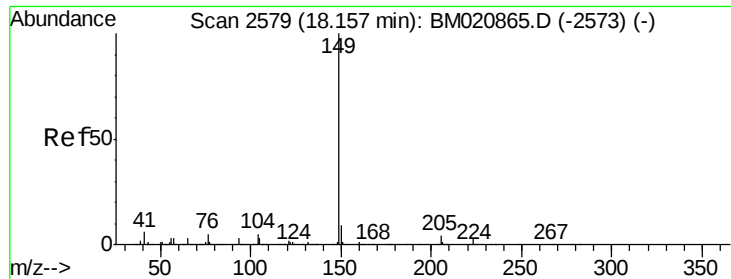
mohammad
 6/12/2019 8:31:51 AM



#74
 Carbazole
 Concen: 7.057 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020874.D
 Acq: 11 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	12.6	10.5	15.7





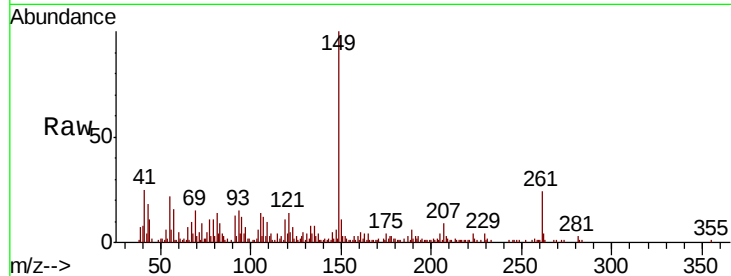
#75
Di-n-butylphthalate
Concen: 1.025 ng/ul
RT: 18.16 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Instrument :
BNA_M
ClientSampleId :
A51F6

Tot Ion	Ratio	Lower	Upper
149	100		
150	11.0	7.3	10.9#
104	5.7	4.0	6.0

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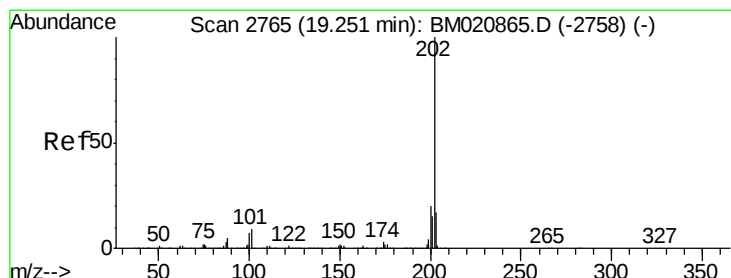
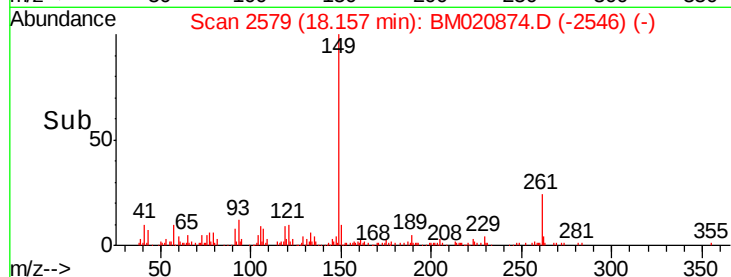
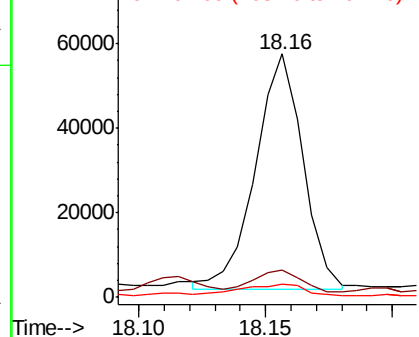


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76
Fluoranthene
Concen: 58.039 ng/ul
RT: 19.25 min Scan# 2765
Delta R.T. 0.00 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

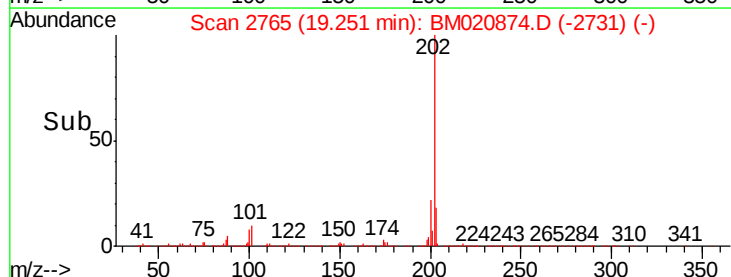
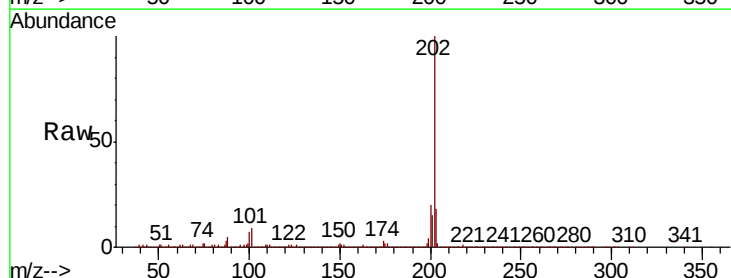
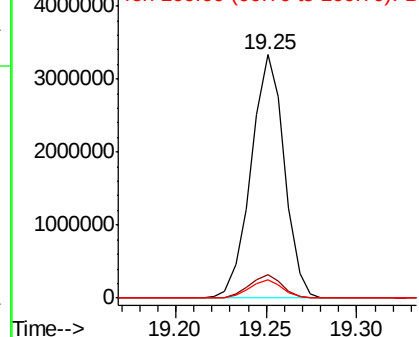
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.9	11.9
100	7.3	6.2	9.4

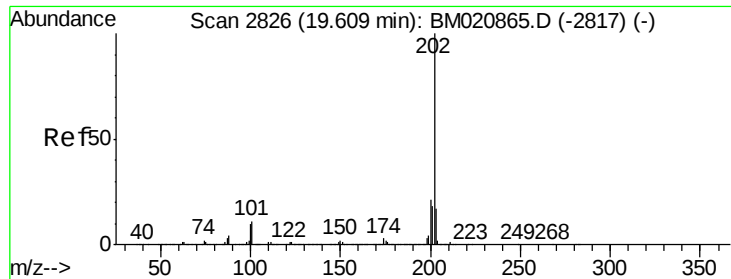
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





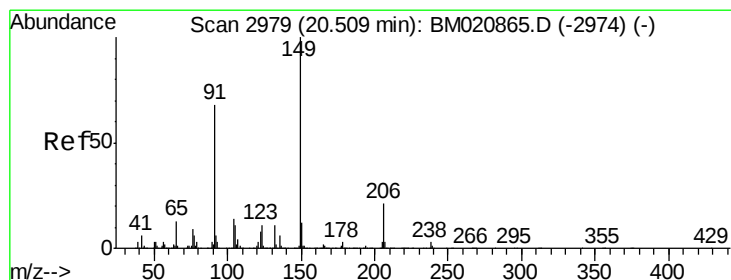
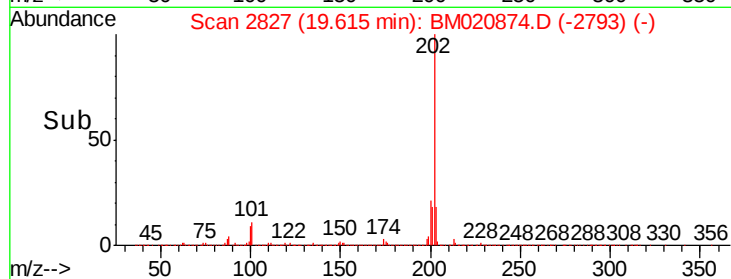
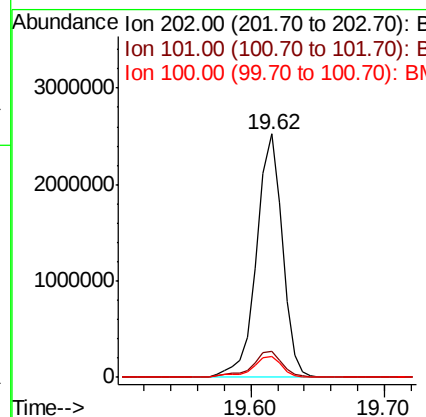
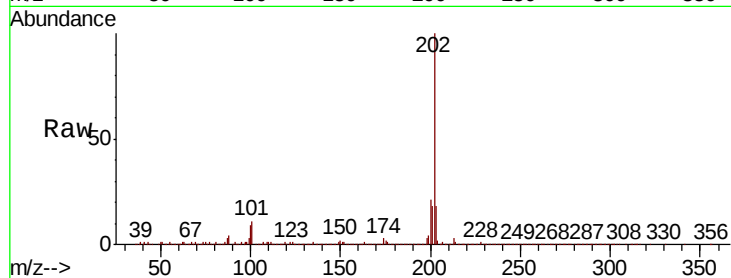
#79
Pvrene
Concen: 44.124 ng/ul
RT: 19.62 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Instrument :
BNA_M
ClientSampleId :
A51F6

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.8	14.6
100	8.8	8.0	12.0

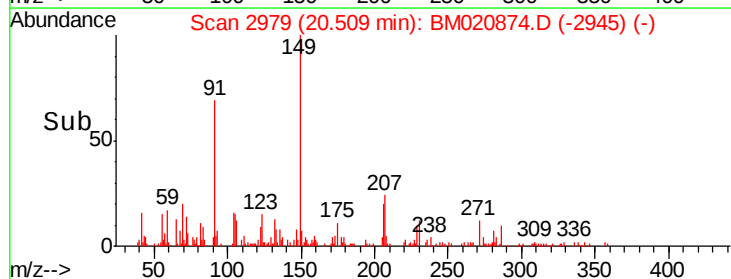
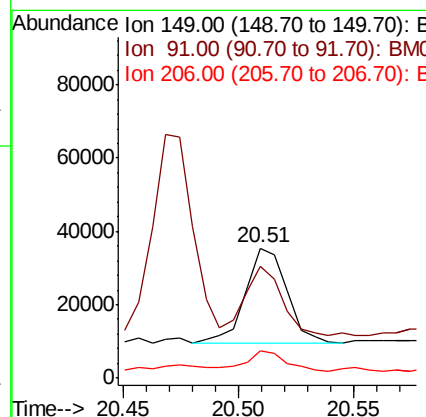
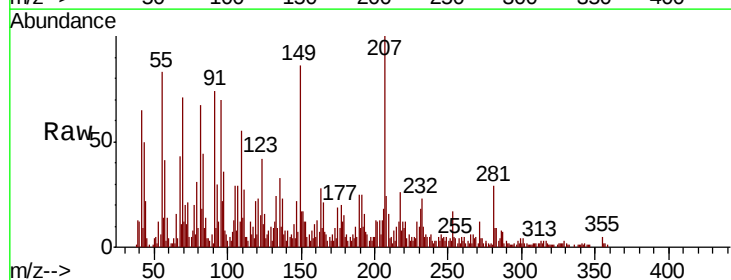
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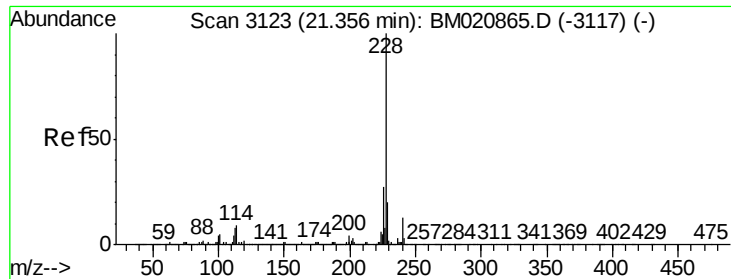
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#80
Butylbenzylphthalate
Concen: 1.067 ng/ul
RT: 20.51 min Scan# 2979
Delta R.T. 0.00 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
149	100		
91	86.4	55.8	83.6#
206	20.6	16.2	24.4





#82

Benzo(a)anthracene

Concen: 25.139 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

Instrument :

BNA_M

ClientSampleId :

A51F6

Tot Ion:228 Resp: 1925868

Ion Ratio Lower Upper

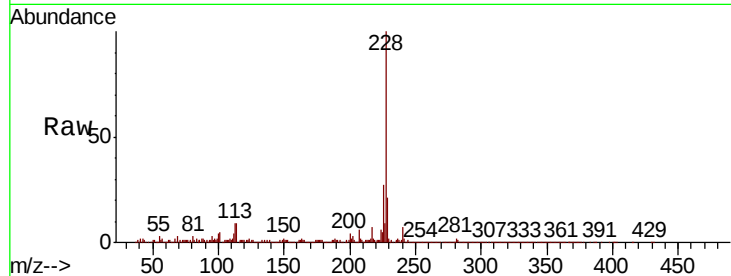
228 100

229 20.8 15.6 23.4

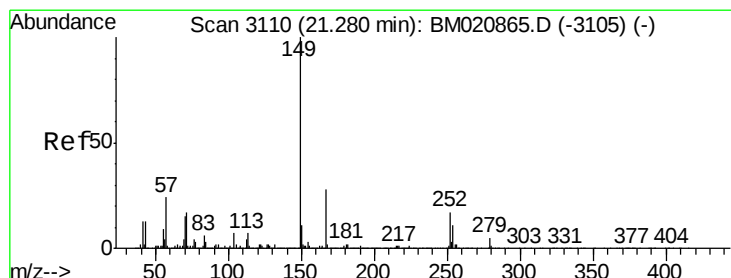
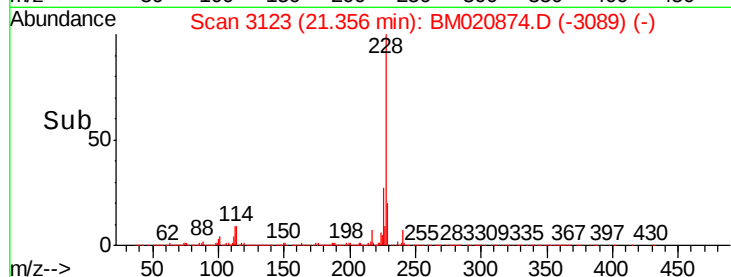
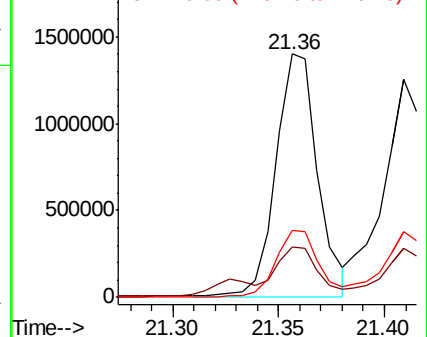
226 27.3 21.4 32.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.568 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

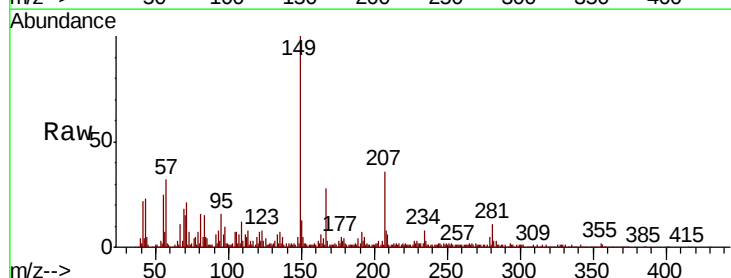
Tgt Ion:149 Resp: 238039

Ion Ratio Lower Upper

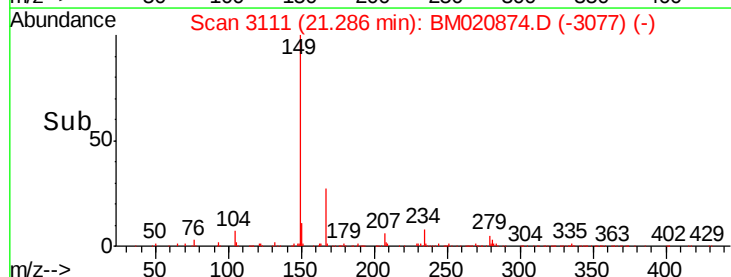
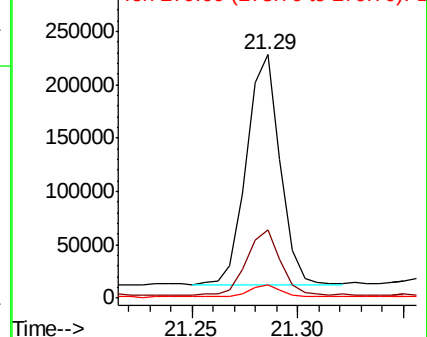
149 100

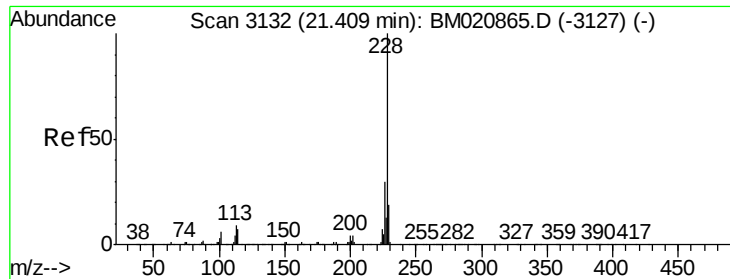
167 27.9 21.9 32.9

279 5.3 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





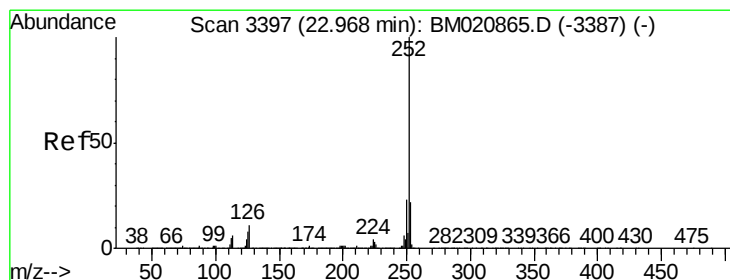
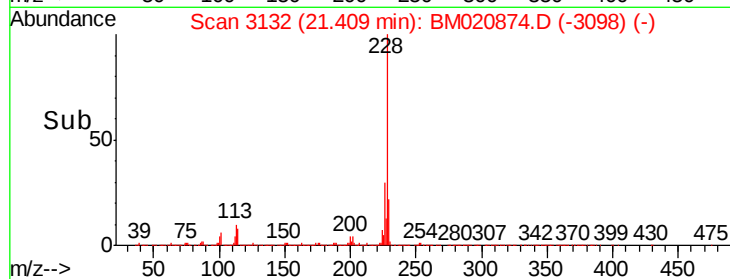
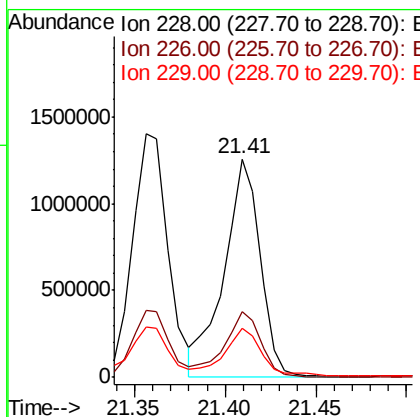
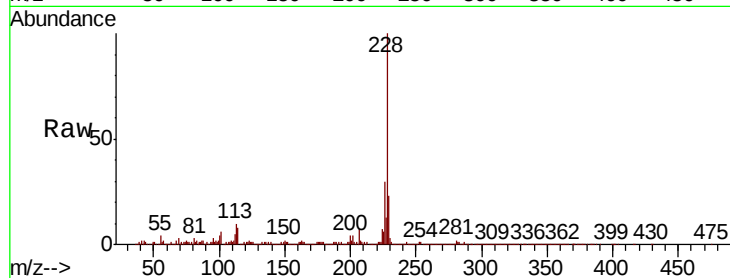
#84
 Chrysene
 Concen: 24.390 ng/ul
 RT: 21.41 min Scan# 3132
 Delta R.T. 0.00 min
 Lab File: BM020874.D
 Acq: 11 Jun 2019 14:57

Instrument :
 BNA_M
 ClientSampleId :
 A51F6

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	22.6	16.2	24.2

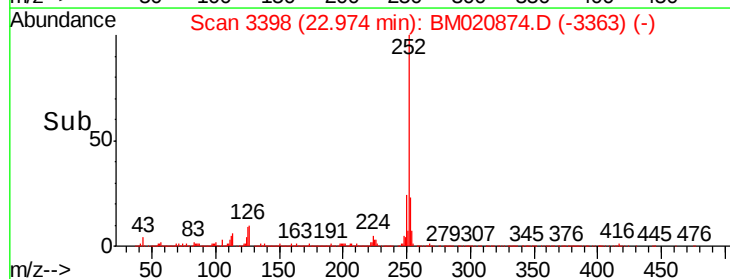
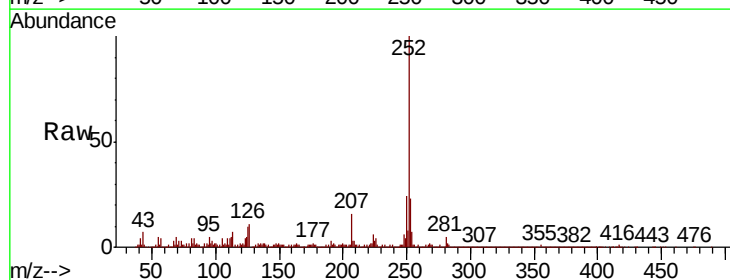
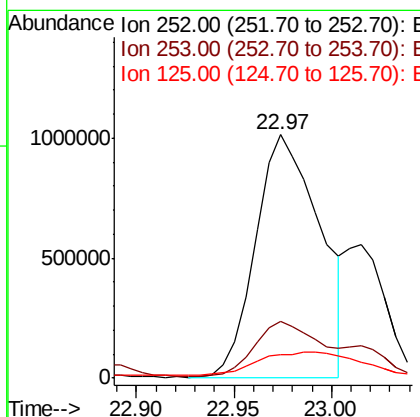
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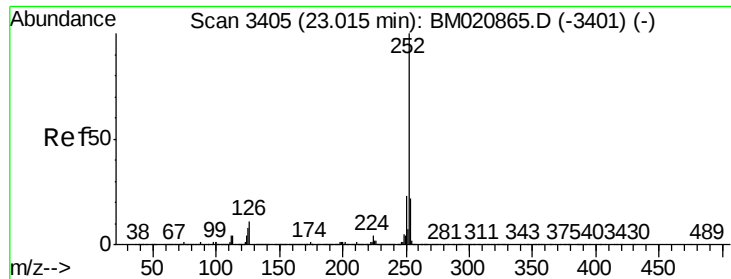
mohammad
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#87
 Benzo(b)fluoranthene
 Concen: 27.788 ng/ul
 RT: 22.97 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: BM020874.D
 Acq: 11 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.8	7.3	10.9





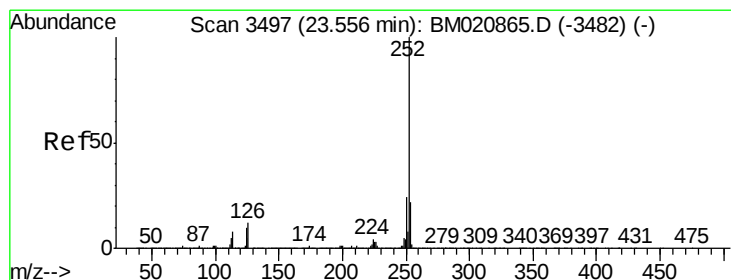
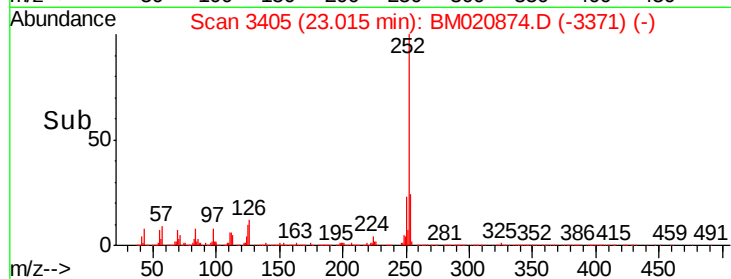
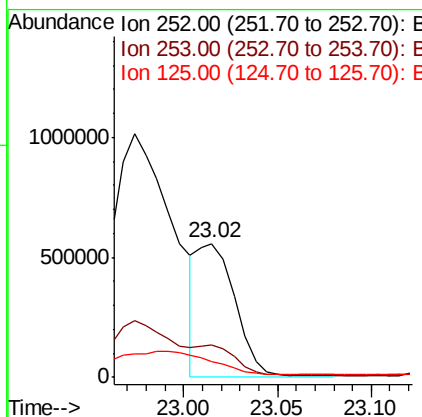
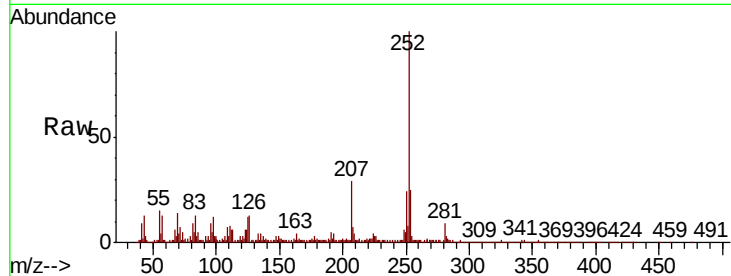
#88
Benzo(k)fluoranthene
Concen: 9.895 ng/ul m
RT: 23.02 min Scan# 3405
Delta R.T. 0.00 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Instrument :
BNA_M
ClientSampleId :
A51F6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	11.9	7.3	10.9

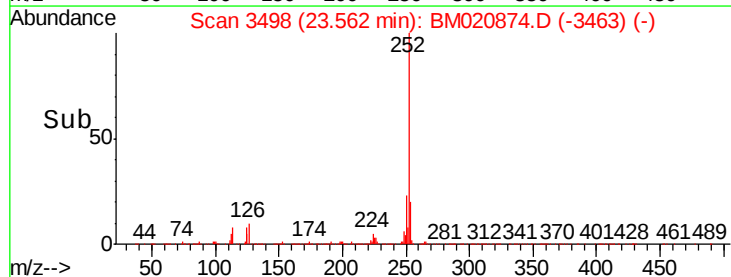
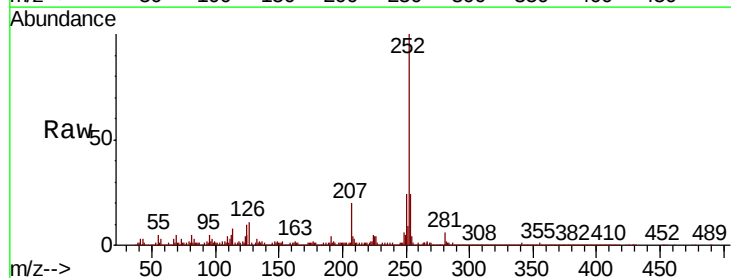
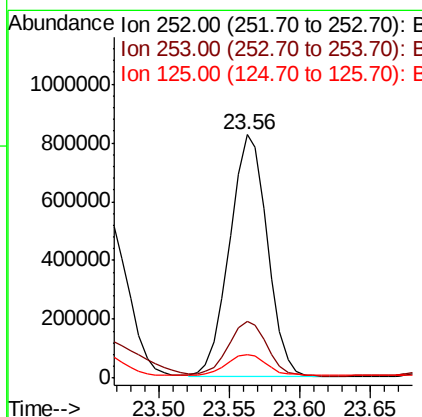
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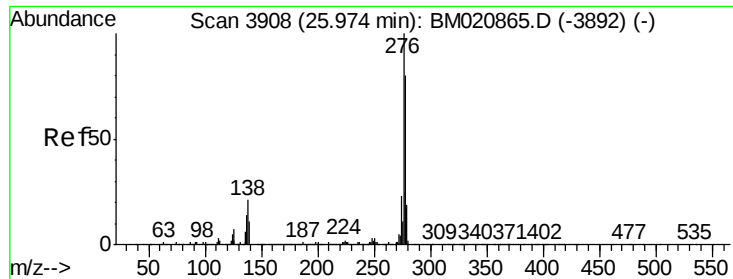
mohammad
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#90
Benzo(a)pyrene
Concen: 19.357 ng/ul
RT: 23.56 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	9.7	8.2	12.4





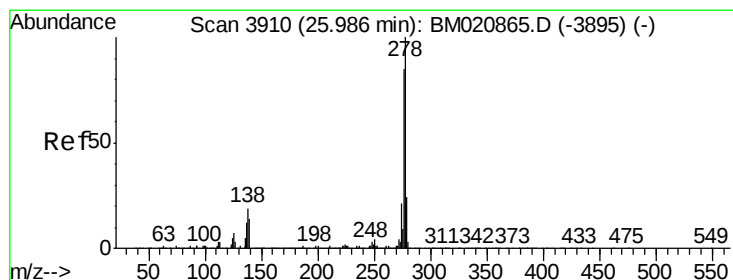
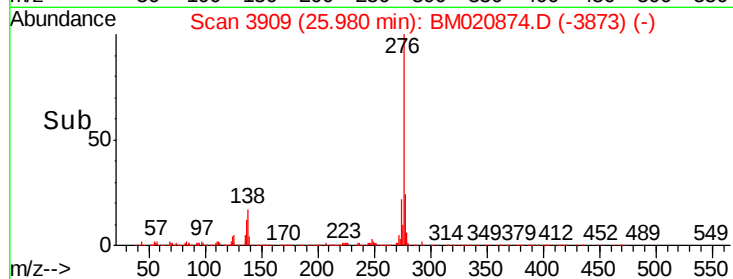
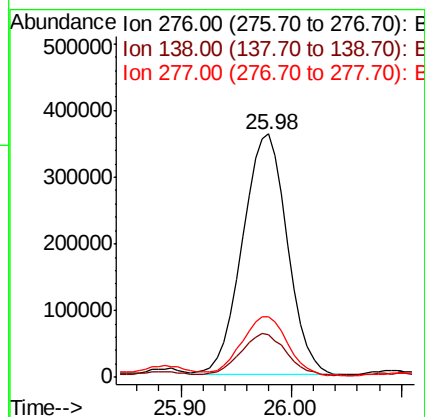
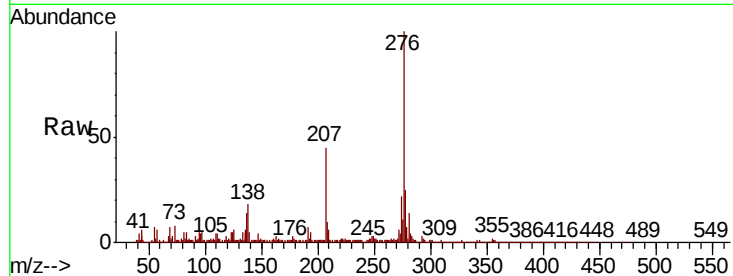
#91
Indeno(1,2,3-cd)pyrene
Concen: 10.998 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Instrument :
BNA_M
ClientSampleId :
A51F6

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	17.8	26.8#
277	24.7	20.0	30.0

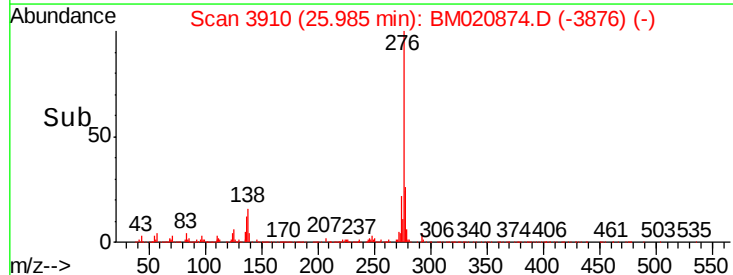
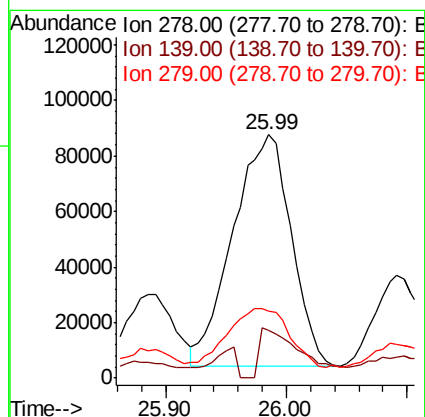
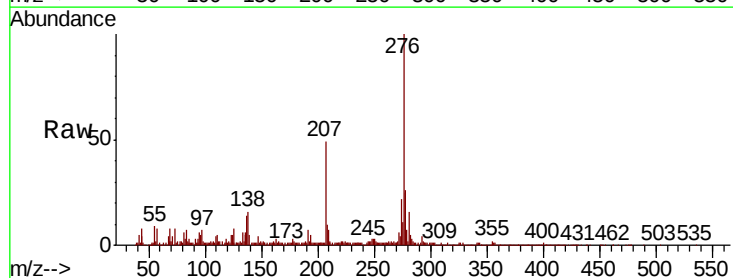
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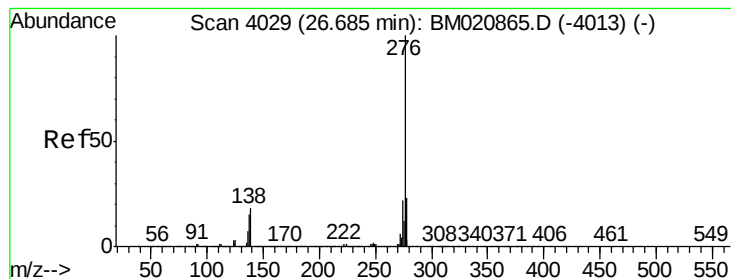
mohammad
6/12/2019 8:31:51 AM



#92
Dibenzo(a,h)anthracene
Concen: 3.514 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. 0.00 min
Lab File: BM020874.D
Acq: 11 Jun 2019 14:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.6	11.6	17.4#
279	27.6	18.6	28.0





#93

Benzo(a,h,i)perylene

Concen: 11.691 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.01 min

Lab File: BM020874.D

Acq: 11 Jun 2019 14:57

Instrument :

BNA_M

ClientSampleId :

A51F6

Tot Ion:	276	Resp:	887884
Ion Ratio	Lower	Upper	
276	100		
138	18.4	16.6	25.0
277	24.2	19.6	29.4

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