

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
 Data File : BM020392.D
 Acq On : 18 May 2019 08:46
 Operator : JU/SJ
 Sample : K2604-01 20X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 GAJ75

Manual Integrations
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Quant Time: May 20 08:45:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	60683	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	226312	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	147880	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	325186	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	354214	20.00	ng/ul	0.00
85) Perylene-d12	23.60	264	410182	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	229	0.14	ng/uL	0.01
5) Phenol-d5	6.90	99	5497m	1.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	4662	1.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	3985	1.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	3687	1.05	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	2683	1.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	1363	0.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	4359	1.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	4799m	1.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	18308	1.72	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	19381	1.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	4246	2.75	ng/ul	-0.01
57) Fluorene-d10	15.37	176	17049	1.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	1174	0.63	ng/ul	0.02
70) Anthracene-d10	17.24	188	22295m	1.60	ng/ul	0.00
78) Pyrene-d10	19.53	212	27367	1.60	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.46	264	28545	1.53	ng/ul	0.01

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 2-Methylphenol	8.17	108	12115m	3.500	ng/ul	
16) 4-Methylphenol	8.51	108	8435	2.250	ng/ul	93
24) 2,4-Dimethylphenol	9.73	107	33351m	8.279	ng/ul	
28) Naphthalene	10.59	128	9847349	947.063	ng/ul	99
34) 2-Methylnaphthalene	12.20	142	3789912	503.414	ng/ul	97
40) 1,1'-Biphenyl	13.21	154	516192	48.758	ng/ul	100
47) Acenaphthylene	14.11	152	2455428	195.652	ng/ul	98
49) Acenaphthene	14.44	153	318533	36.920	ng/ul	99
53) Dibenzofuran	14.79	168	858487	65.707	ng/ul	97
58) Fluorene	15.44	166	2059261	196.747	ng/ul	100
69) Phenanthrene	17.19	178	11224393	724.421	ng/ul	98
71) Anthracene	17.27	178	2639582	167.475	ng/ul	100
74) Carbazole	17.54	167	228549	17.084	ng/ul	96
76) Fluoranthene	19.20	202	5761098	294.349	ng/ul	98
79) Pyrene	19.57	202	6772900	318.565	ng/ul	97
82) Benzo(a)anthracene	21.32	228	2722933m	127.721	ng/ul	
84) Chrysene	21.37	228	2256452	110.752	ng/ul	96
87) Benzo(b)fluoranthene	22.92	252	1920592	82.041	ng/ul	98
88) Benzo(k)fluoranthene	22.96	252	643877m	28.002	ng/ul	
90) Benzo(a)pyrene	23.50	252	1947595	88.402	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	828498	33.003	ng/ul	98
92) Dibenzo(a,h)anthracene	25.90	278	241001	11.226	ng/ul#	92
93) Benzo(g,h,i)perylene	26.61	276	770184	37.063	ng/ul	98

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Internal Standards R.T. QIon Response Conc Units Dev(Min)

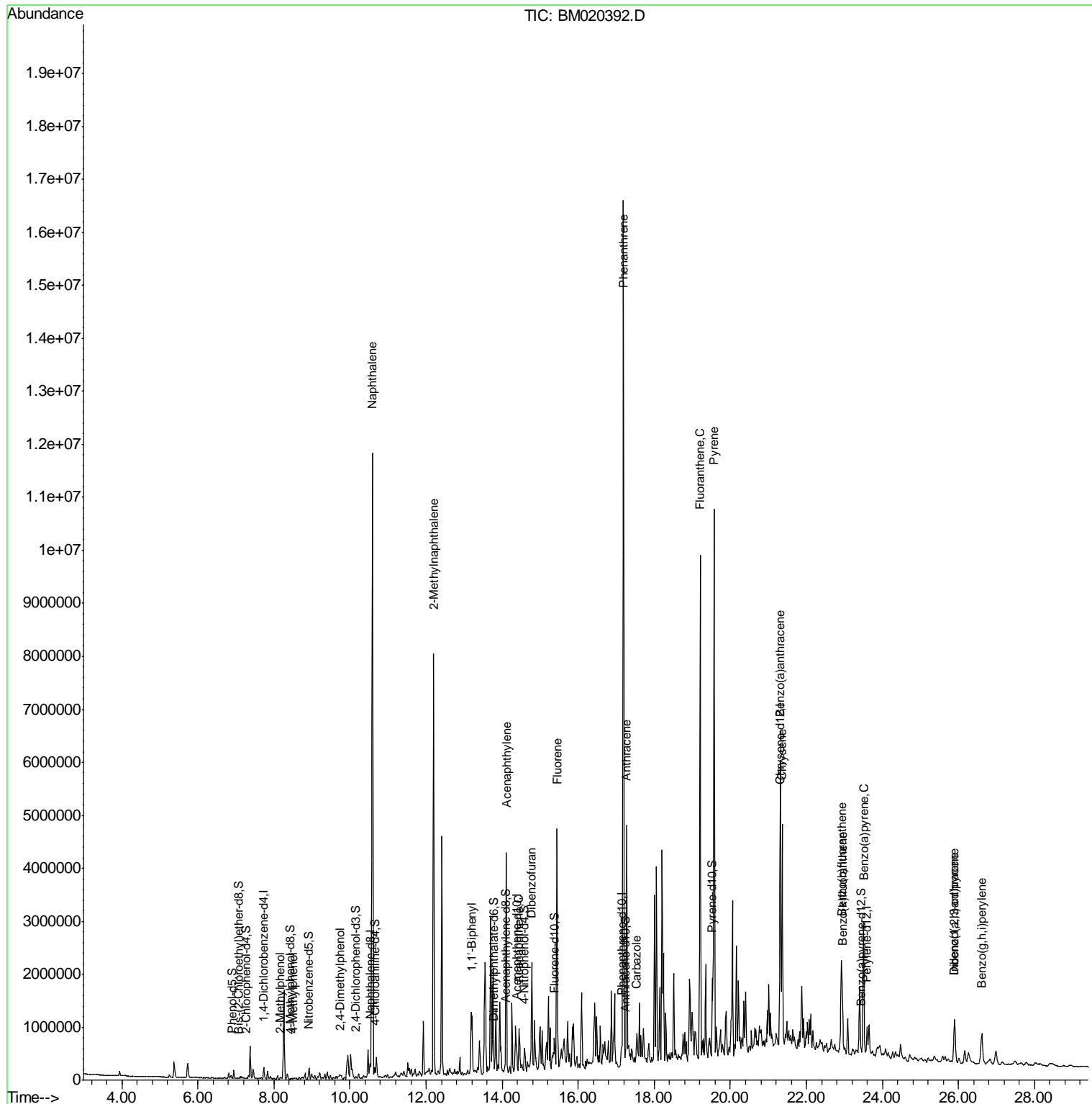
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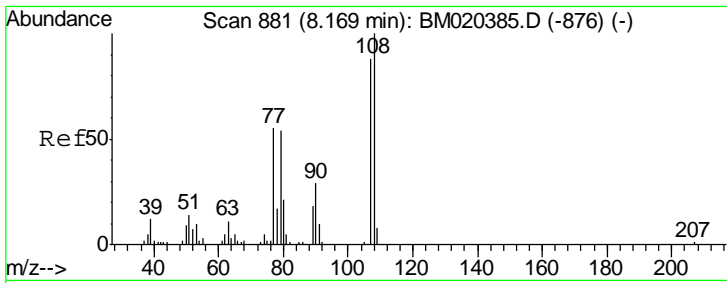
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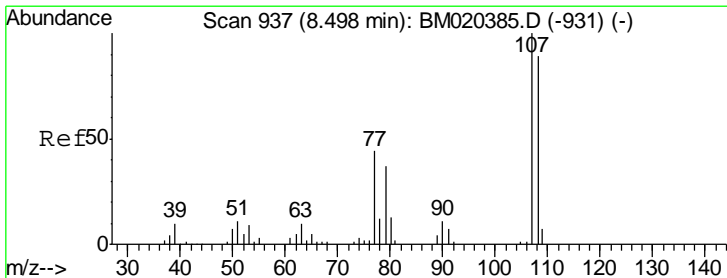
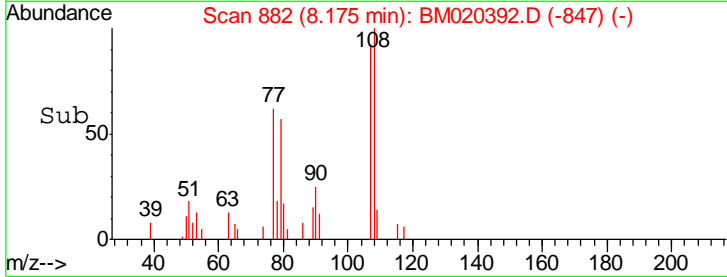
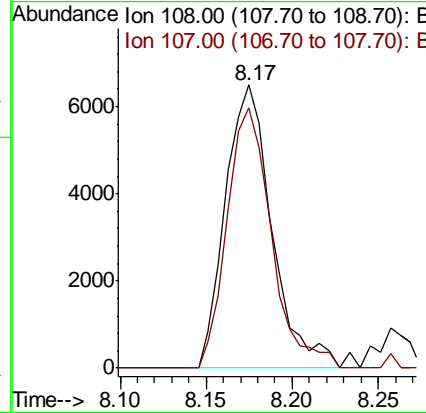
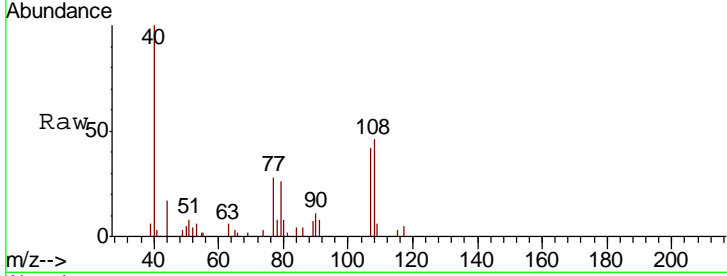
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 2-Methylphenol
 Concen: 3.500 ng/ul m
 RT: 8.17 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
 ClientSampled :
 GAJ75

Tgt Ion	Resp	Lower	Upper
108	12115		
107	92.1	72.0	108.0

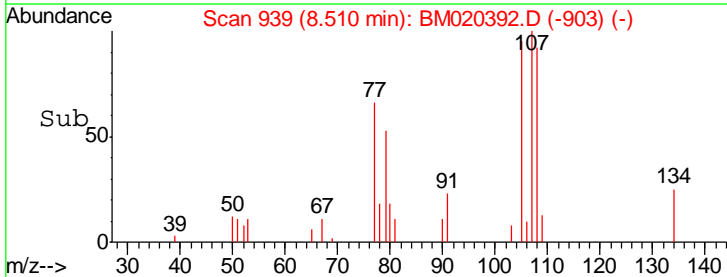
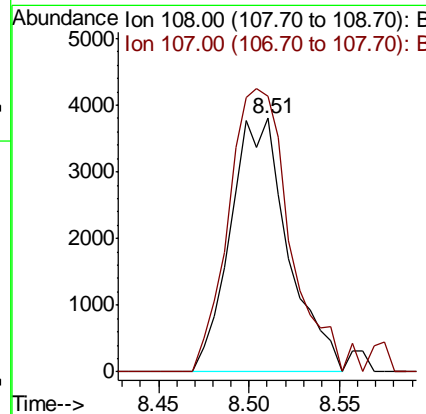
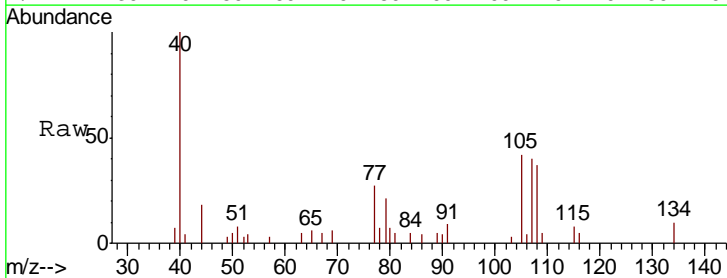
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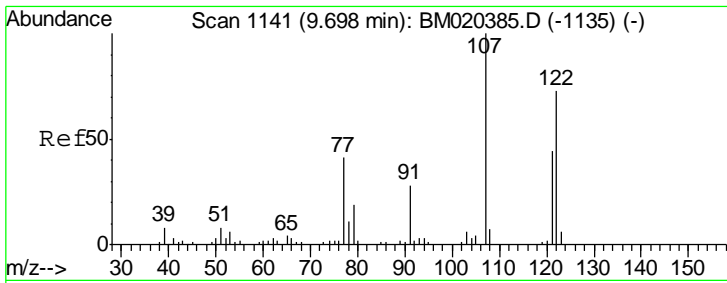
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#16
 4-Methylphenol
 Concen: 2.250 ng/ul
 RT: 8.51 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion	Resp	Lower	Upper
108	8435		
107	108.5	93.0	139.4





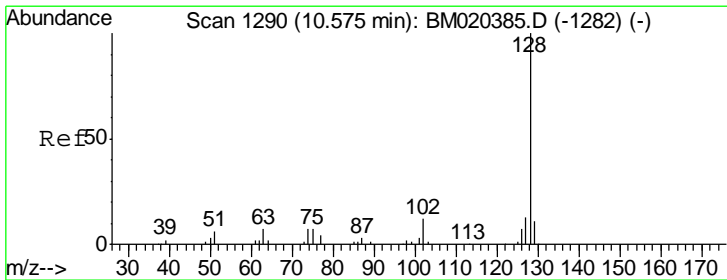
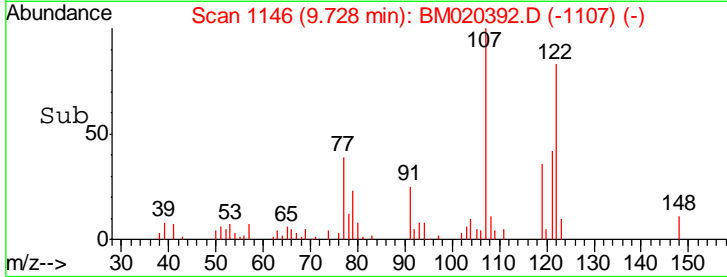
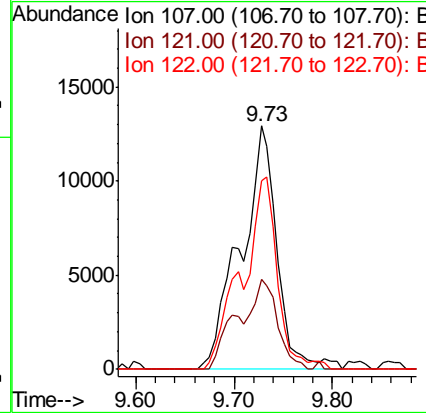
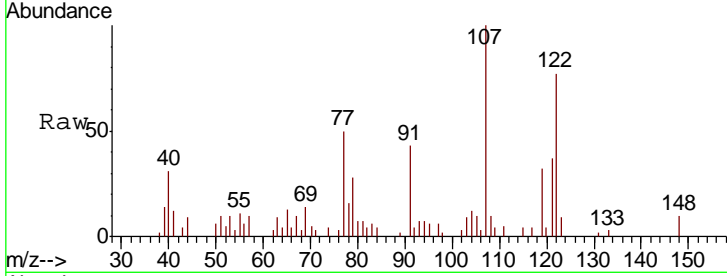
#24
 2,4-Dimethylphenol
 Concen: 8.279 ng/ul m
 RT: 9.73 min Scan# 1146
 Delta R.T. 0.03 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
ClientSampled :
 GAJ75

Tgt Ion	Resp	Lower	Upper
107	33351		
107	100		
121	36.7	35.1	52.7
122	77.5	58.1	87.1

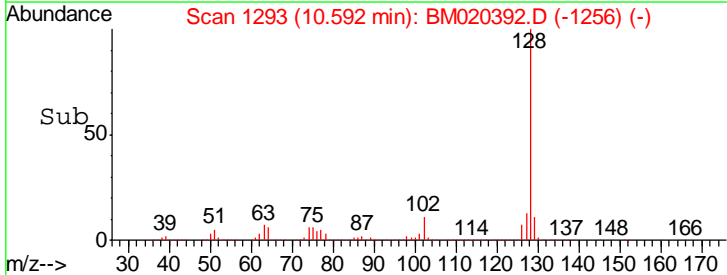
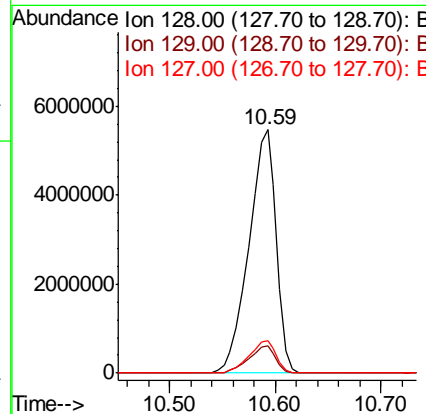
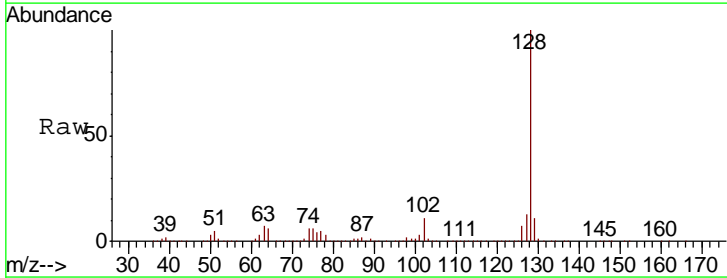
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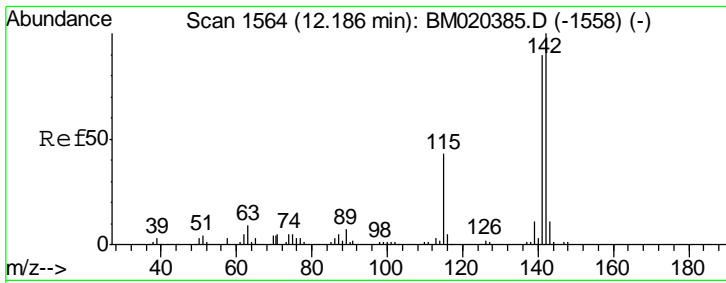
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#28
 Naphthalene
 Concen: 947.063 ng/ul
 RT: 10.59 min Scan# 1293
 Delta R.T. 0.02 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

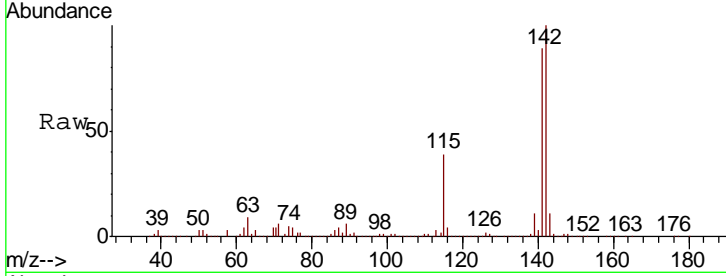
Tgt Ion	Resp	Lower	Upper
128	9847349		
128	100		
129	11.0	8.6	13.0
127	13.5	10.6	15.8





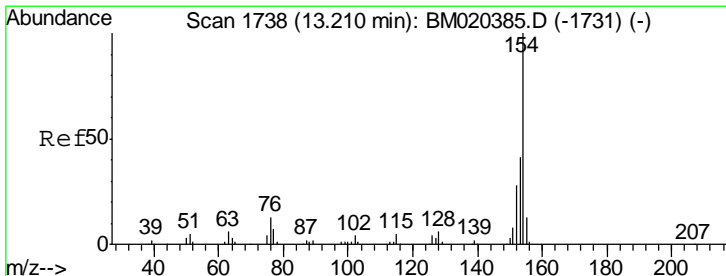
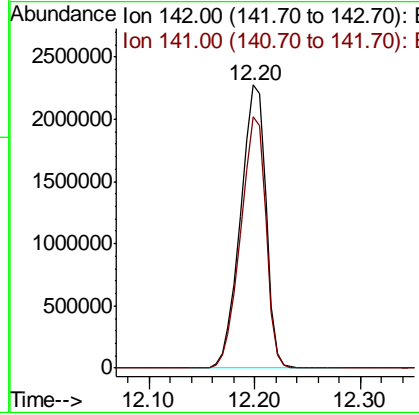
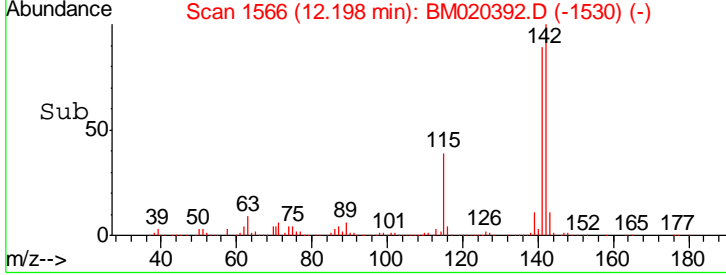
#34
 2-Methylnaphthalene
 Concen: 503.414 ng/ul
 RT: 12.20 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
ClientSampled :
 GAJ75



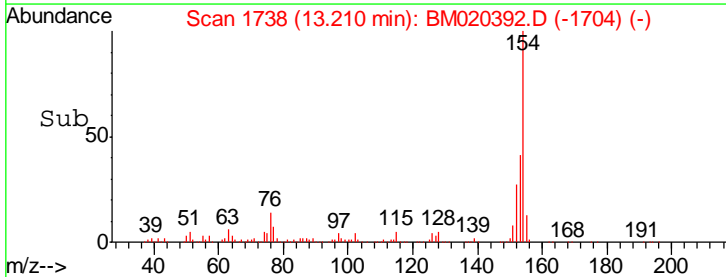
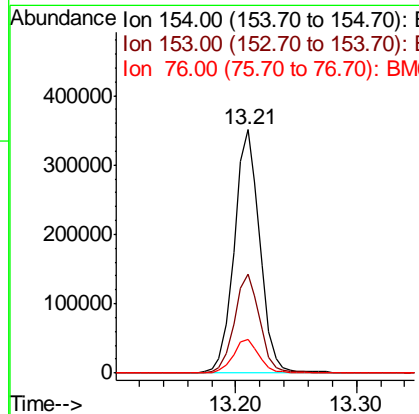
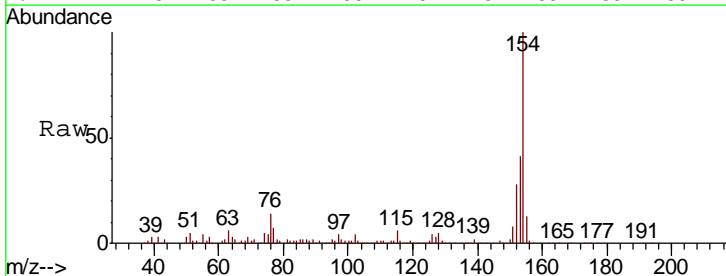
Tgt Ion:142 Resp: 3789912
 Ion Ratio Lower Upper
 142 100
 141 88.8 68.6 102.8

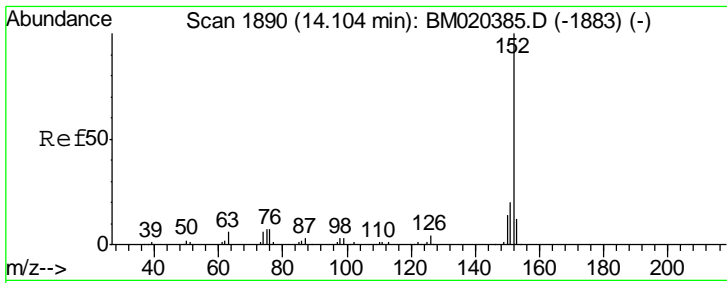
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#40
 1,1'-Biphenyl
 Concen: 48.758 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion:154 Resp: 516192
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.2 48.4
 76 13.7 11.0 16.4





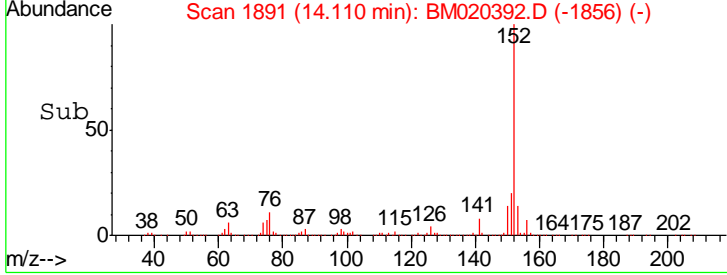
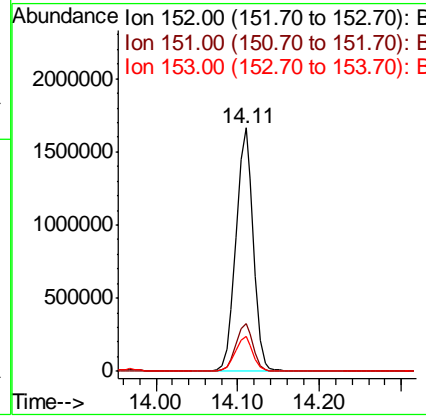
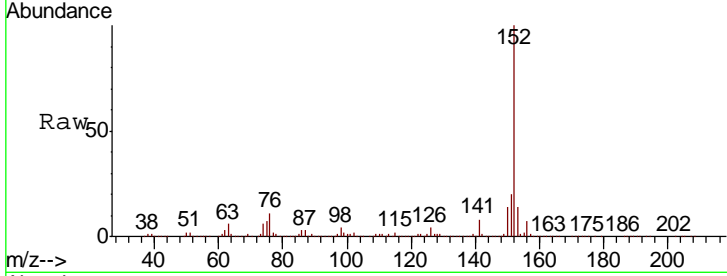
#47
 Acenaphthylene
 Concen: 195.652 ng/ul
 RT: 14.11 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
Client Sampled :
 GAJ75

Tgt Ion	Resp	Lower	Upper
152	100		
151	19.8	15.4	23.0
153	14.2	10.3	15.5

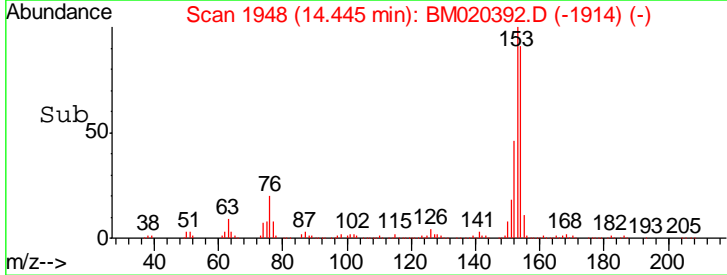
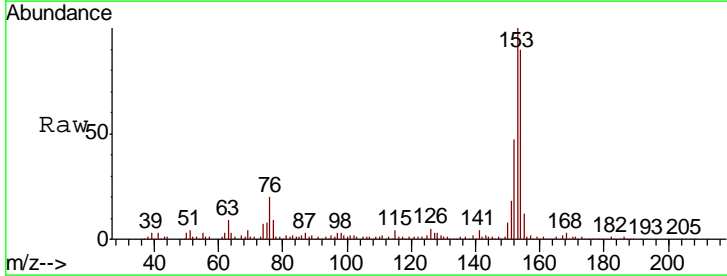
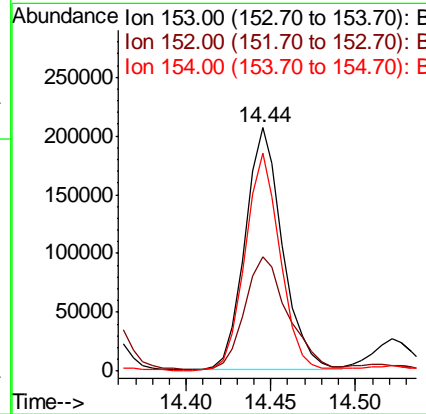
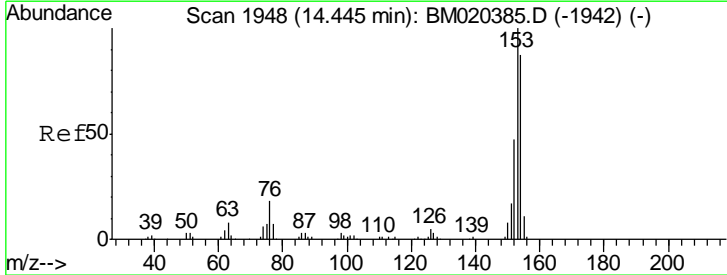
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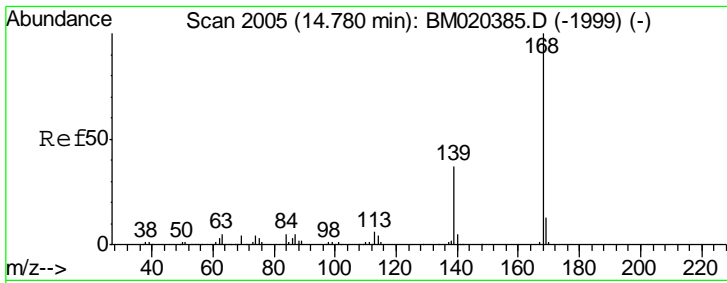
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#49
 Acenaphthene
 Concen: 36.920 ng/ul
 RT: 14.44 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion	Resp	Lower	Upper
153	100		
152	47.0	37.9	56.9
154	89.8	71.2	106.8



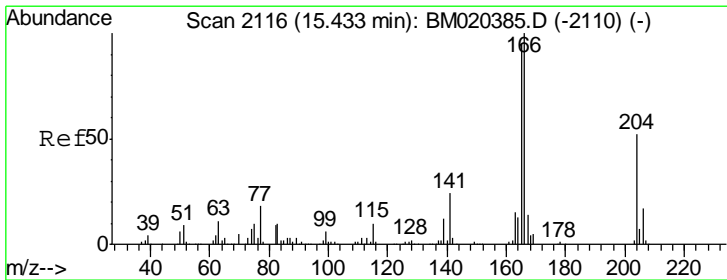
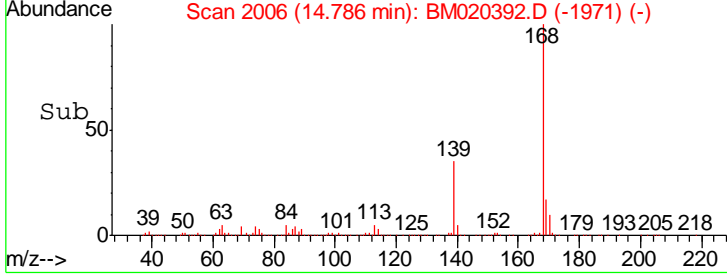
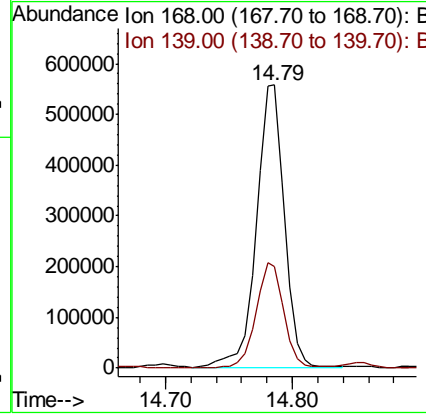
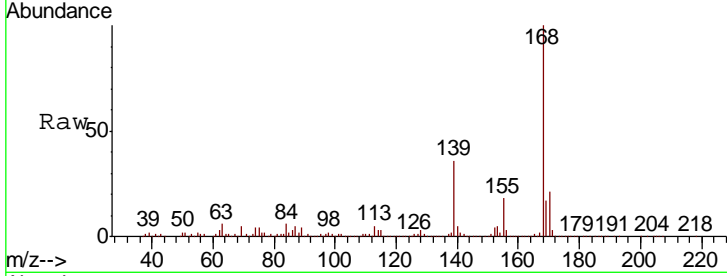


#53
 Dibenzofuran
 Concen: 65.707 ng/ul
 RT: 14.79 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
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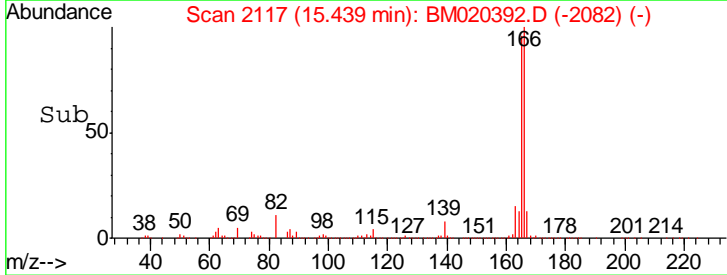
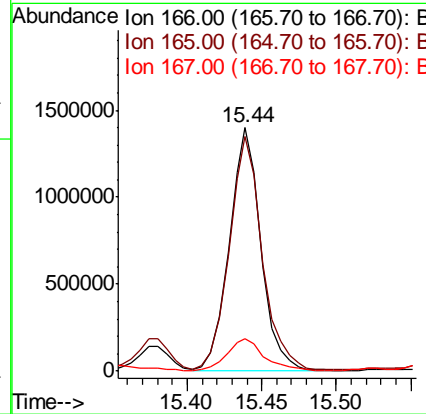
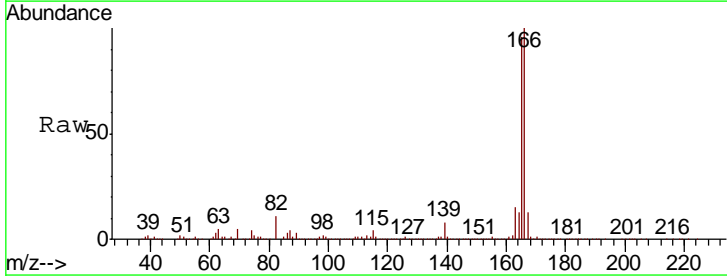
Tgt Ion	Resp	Lower	Upper
168	100		
139	36.0	30.1	45.1

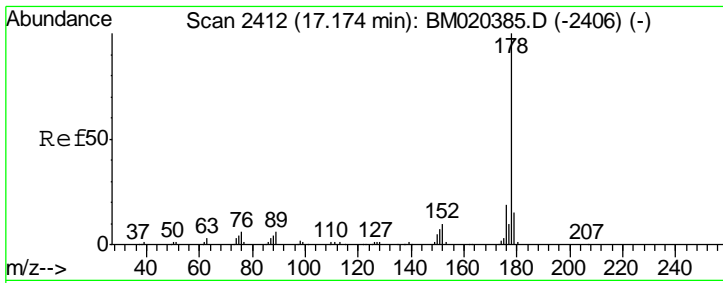
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#58
 Fluorene
 Concen: 196.747 ng/ul
 RT: 15.44 min Scan# 2117
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion	Resp	Lower	Upper
166	100		
165	96.2	77.1	115.7
167	13.4	11.1	16.7





#69
 Phenanthrene
 Concen: 724.421 ng/ul
 RT: 17.19 min Scan# 2415
 Delta R.T. 0.02 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

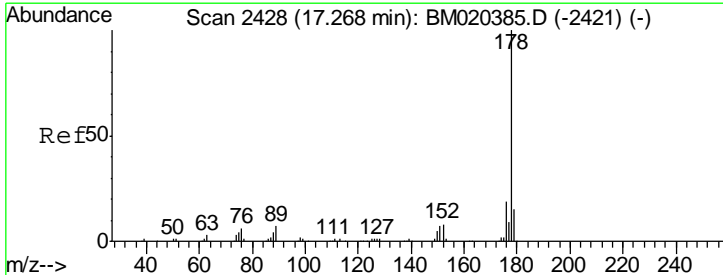
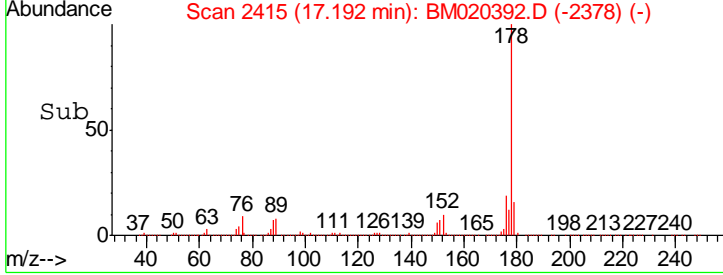
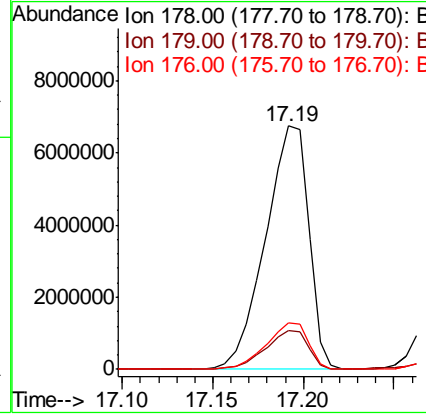
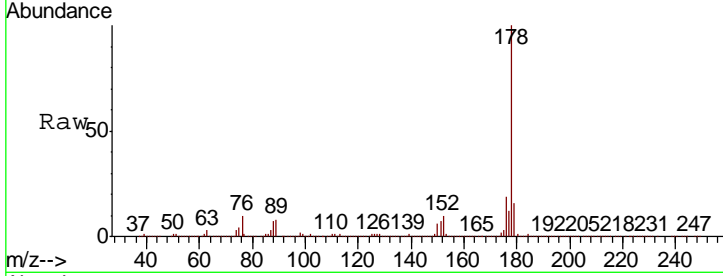
Instrument :
 BNA_M
Client Sampled :
 GAJ75

Tgt Ion:178 Resp:11224393

Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.9	17.9
176	19.1	14.6	22.0

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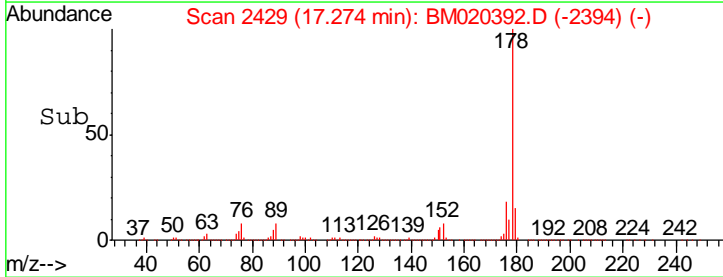
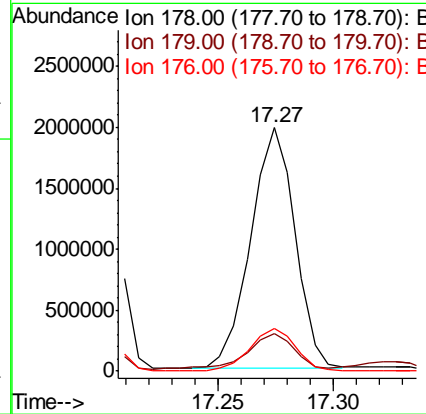
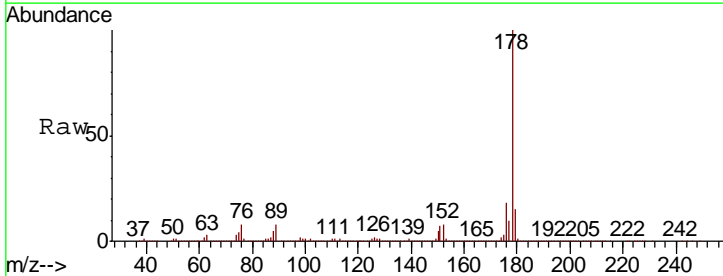
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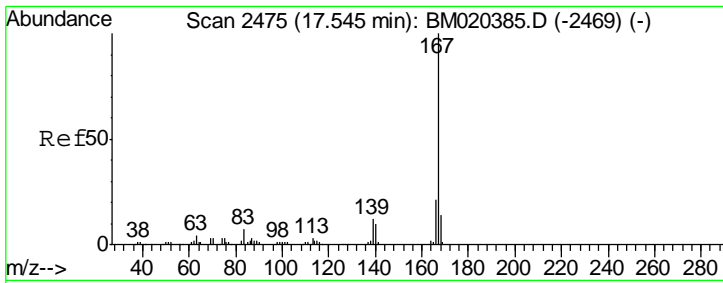


#71
 Anthracene
 Concen: 167.475 ng/ul
 RT: 17.27 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BM020392.D
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Tgt Ion:178 Resp: 2639582

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	17.7	14.4	21.6





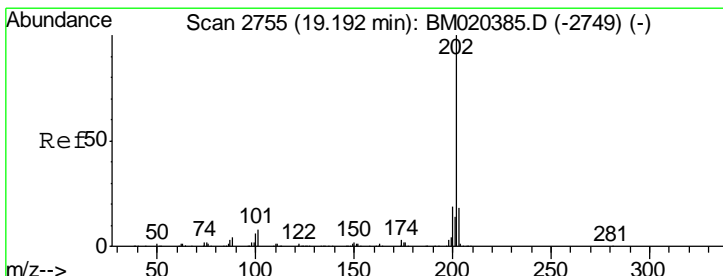
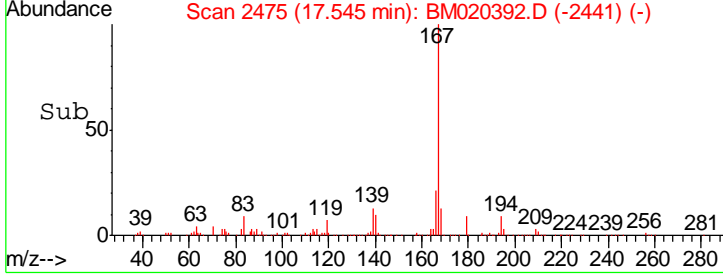
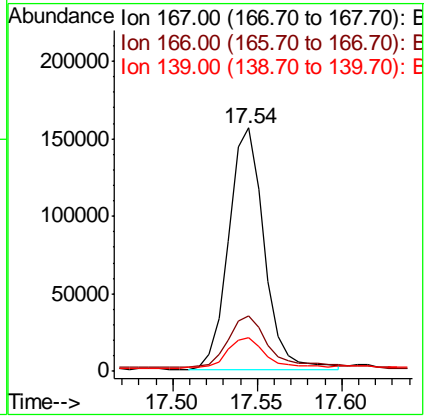
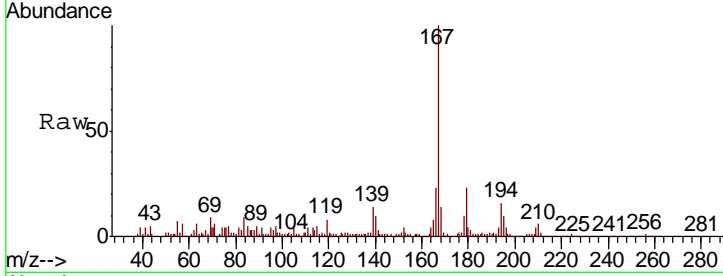
#74
 Carbazole
 Concen: 17.084 ng/ul
 RT: 17.54 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
ClientSampled :
 GAJ75

Tgt Ion	Resp	Lower	Upper
167	100		
166	22.6	16.6	24.8
139	14.0	9.8	14.8

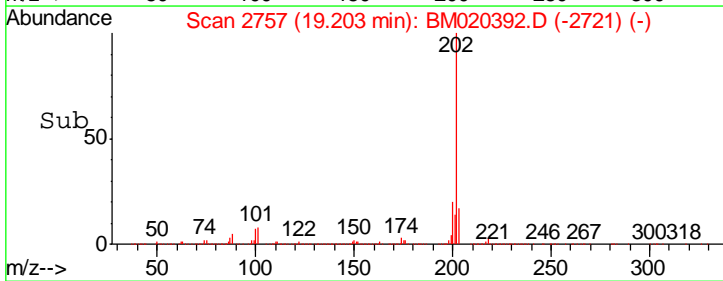
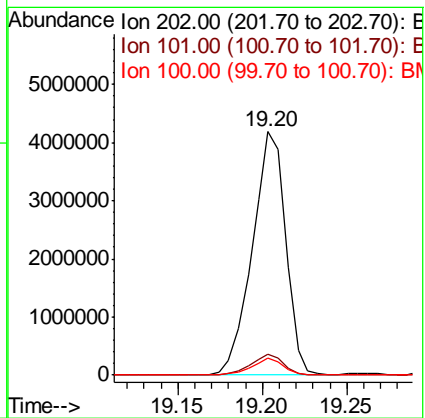
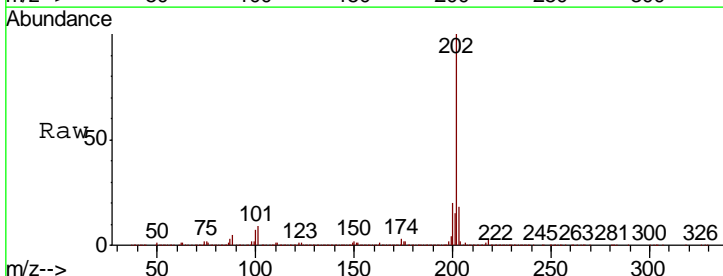
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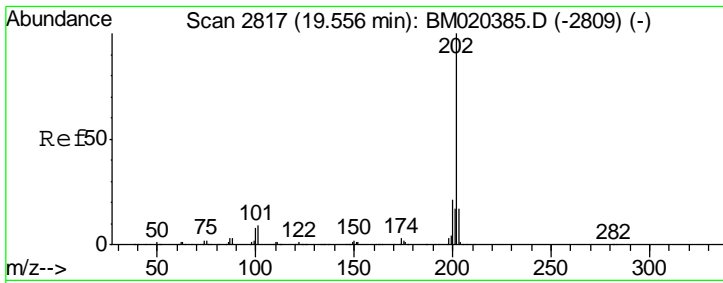
mohammad
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#76
 Fluoranthene
 Concen: 294.349 ng/ul
 RT: 19.20 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

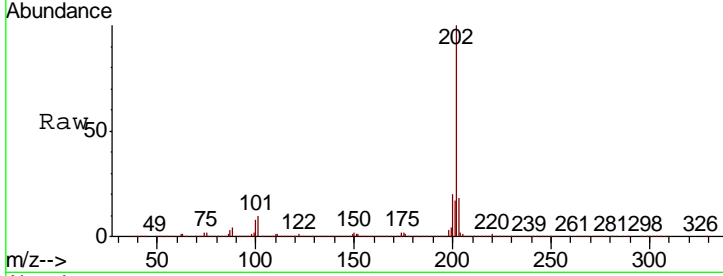
Tgt Ion	Resp	Lower	Upper
202	100		
101	8.7	6.4	9.6
100	6.8	5.2	7.8





#79
 Pyrene
 Concen: 318.565 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.02 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

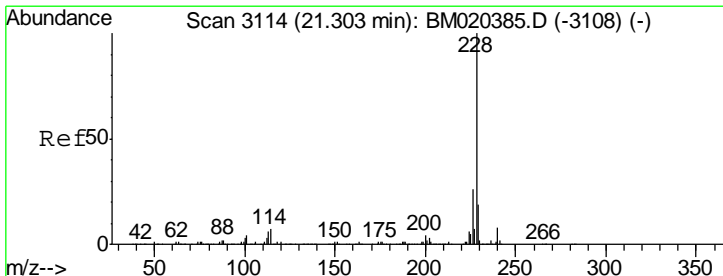
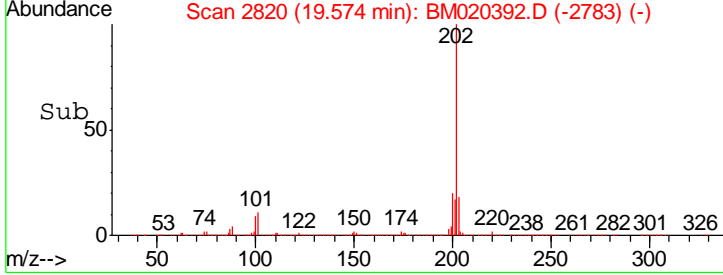
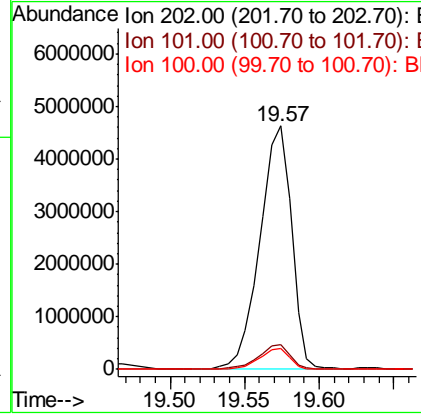
Instrument :
 BNA_M
ClientSampled :
 GAJ75



Tgt Ion: 202 Resp: 6772900

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.1	10.7
100	8.3	5.9	8.9

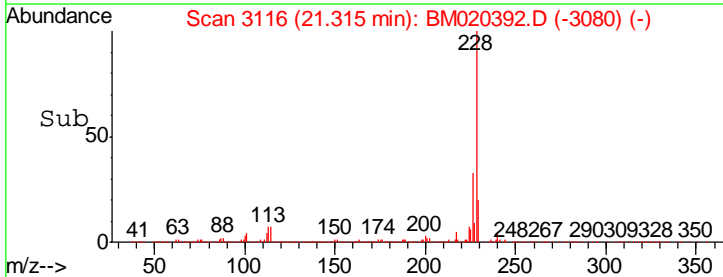
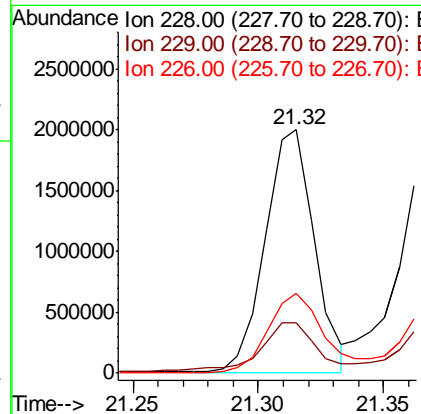
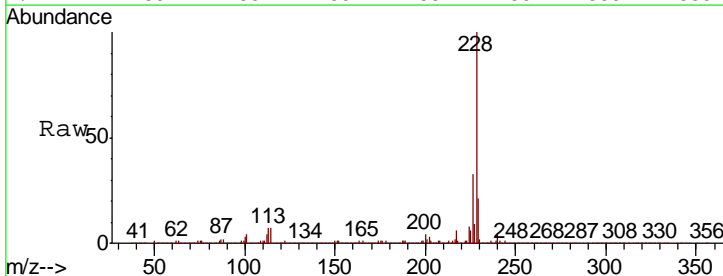
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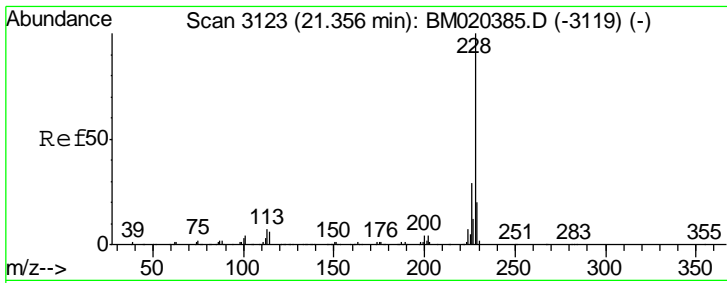


#82
 Benzo(a)anthracene
 Concen: 127.721 ng/ul m
 RT: 21.32 min Scan# 3116
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion: 228 Resp: 2722933

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.8
226	32.9	20.6	30.8#





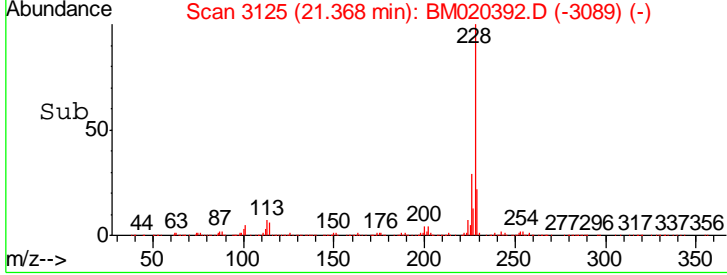
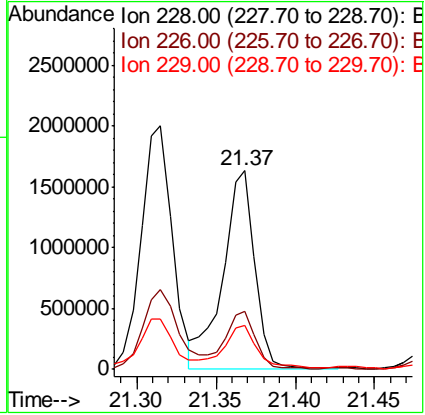
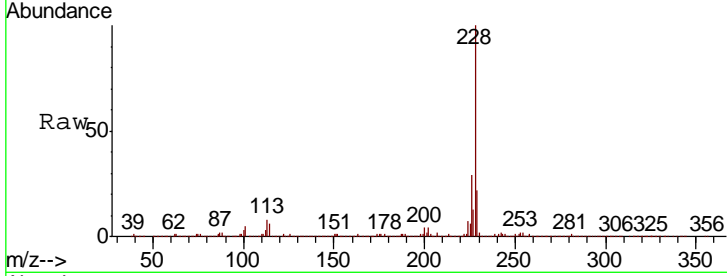
#84
 Chrysene
 Concen: 110.752 ng/ul
 RT: 21.37 min Scan# 3125
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
Client Sampled :
 GAJ75

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.2	22.2	33.4
229	22.2	15.4	23.2

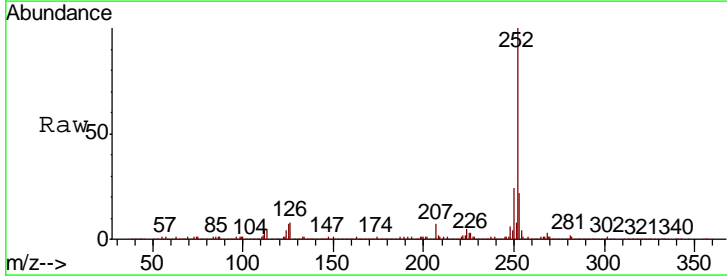
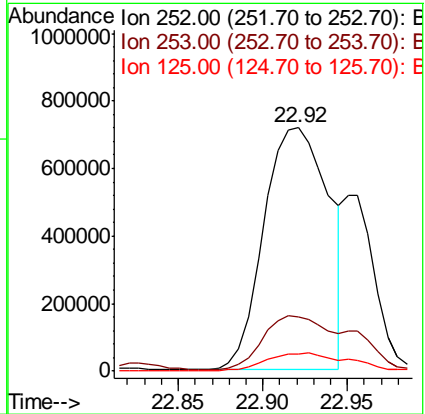
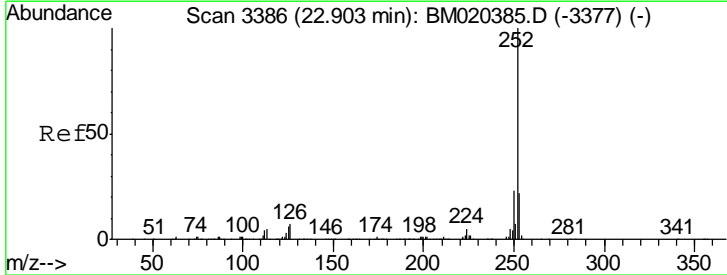
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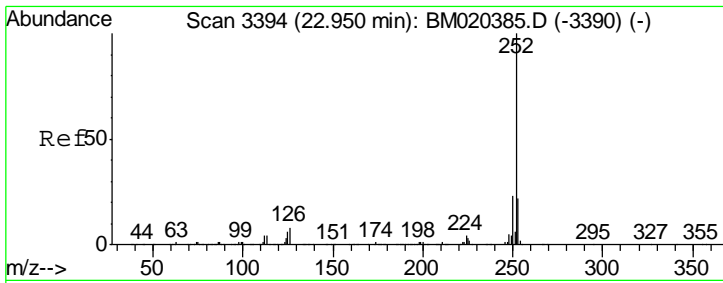
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#87
 Benzo(b)fluoranthene
 Concen: 82.041 ng/ul
 RT: 22.92 min Scan# 3389
 Delta R.T. 0.02 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	7.2	5.0	7.4





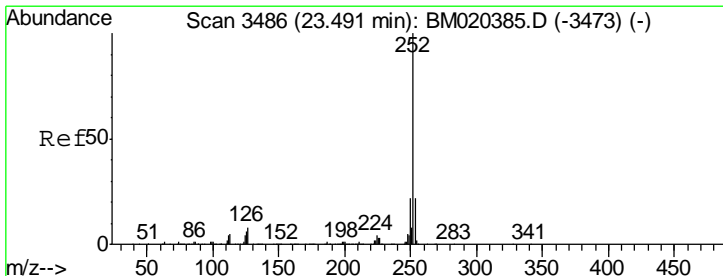
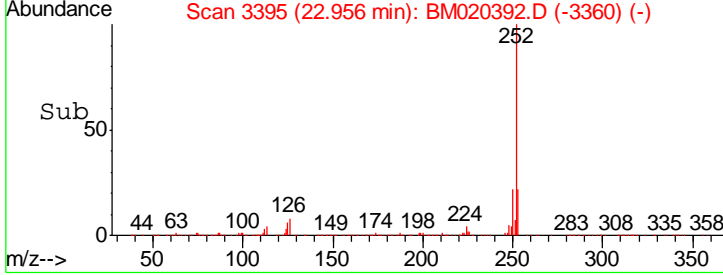
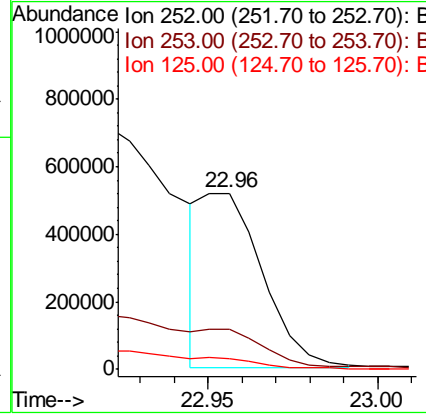
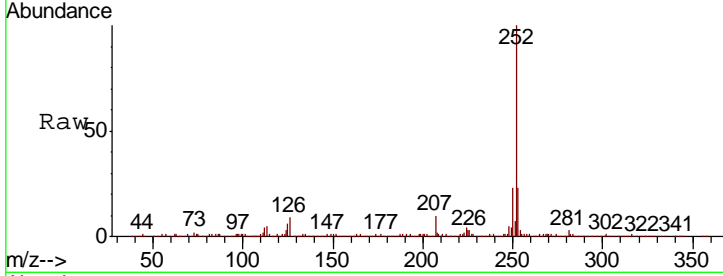
#88
 Benzo(k)fluoranthene
 Concen: 28.002 ng/ul m
 RT: 22.96 min Scan# 3395
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
ClientSampled :
 GAJ75

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	6.3	5.0	7.6

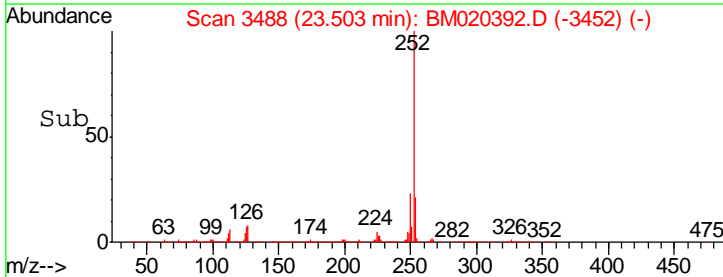
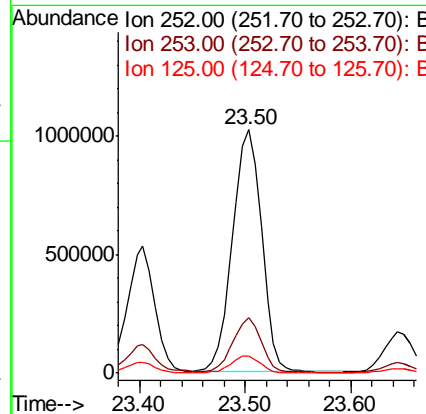
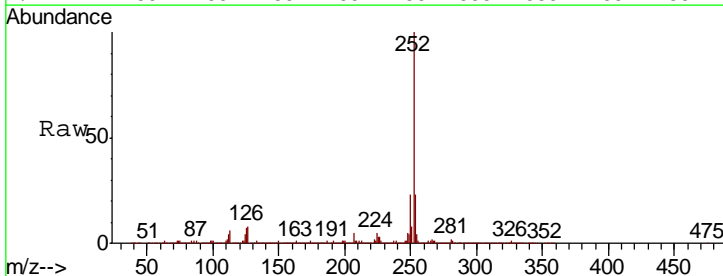
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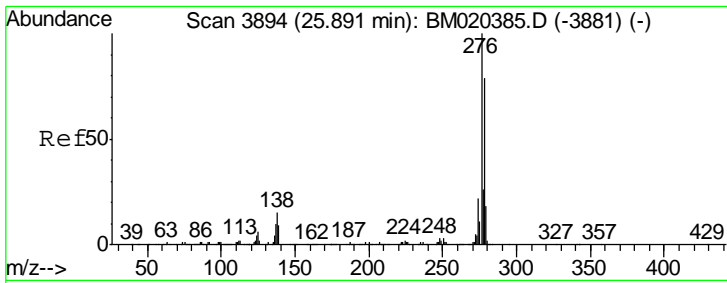
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#90
 Benzo(a)pyrene
 Concen: 88.402 ng/ul
 RT: 23.50 min Scan# 3488
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	7.0	5.4	8.2





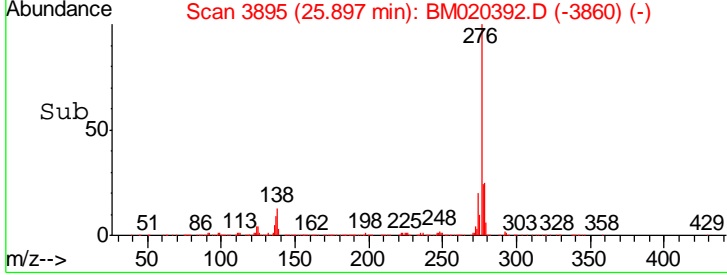
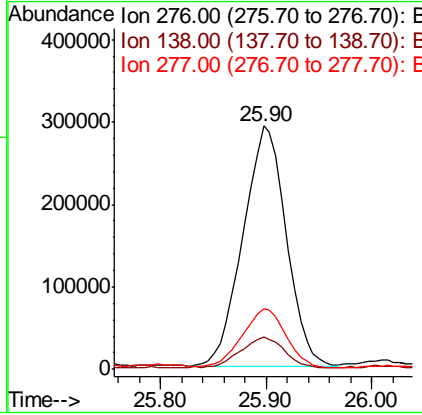
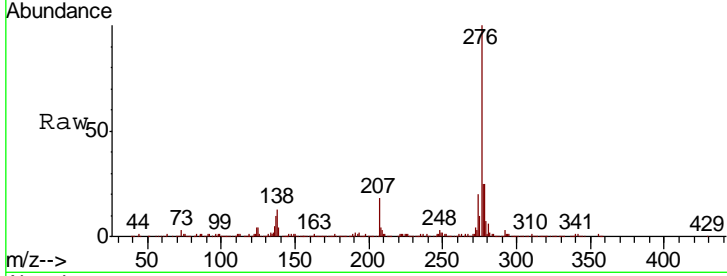
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 33.003 ng/ul
 RT: 25.90 min Scan# 3895
 Delta R.T. 0.01 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
ClientSampled :
 GAJ75

Tgt Ion	Resp	Lower	Upper
276	100		
138	13.1	12.3	18.5
277	24.9	20.0	30.0

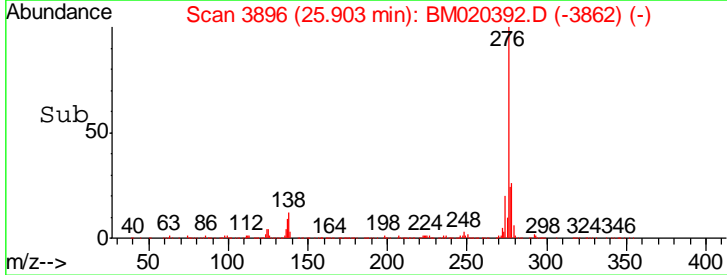
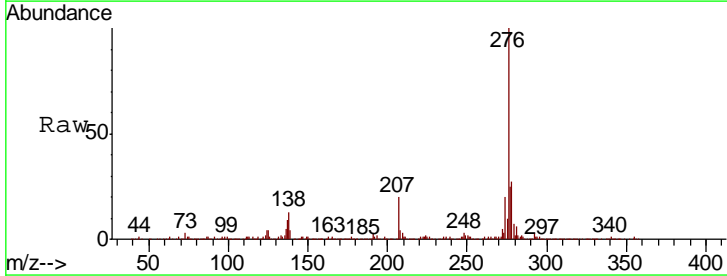
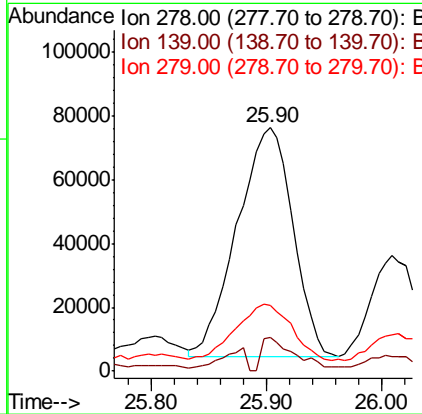
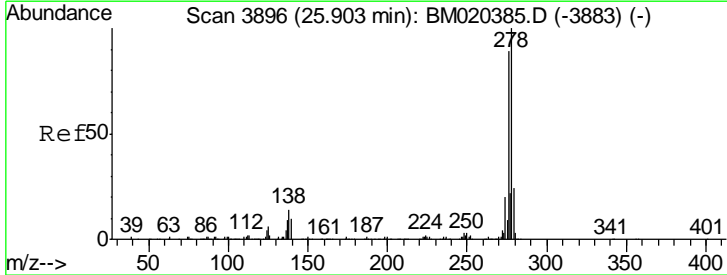
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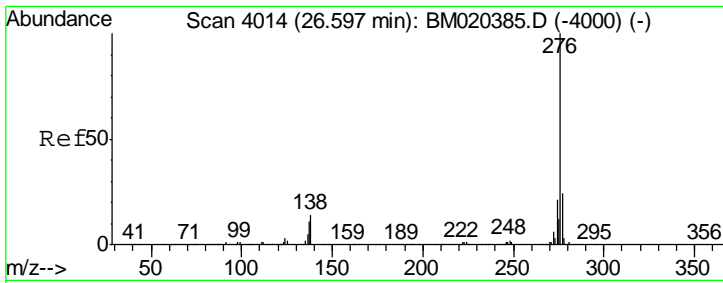
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#92
 Dibenzo(a,h)anthracene
 Concen: 11.226 ng/ul
 RT: 25.90 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Tgt Ion	Resp	Lower	Upper
278	100		
139	13.6	8.1	12.1#
279	27.1	18.7	28.1





#93
 Benzo(a,h,i)perylene
 Concen: 37.063 ng/ul
 RT: 26.61 min Scan# 4017
 Delta R.T. 0.02 min
 Lab File: BM020392.D
 Acq: 18 May 2019 08:46

Instrument :
 BNA_M
ClientSampled :
 GAJ75

Tot Ion: 276 Resp: 770184

Ion	Ratio	Lower	Upper
276	100		
138	13.2	10.0	15.0
277	24.1	18.2	27.4

Manual Integrations
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