

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\  
 Data File : BM014798.D  
 Acq On : 24 Apr 2018 04:29  
 Operator : SJ/JU  
 Sample : J2431-16  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DASP7

Manual Integrations  
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Quant Time: Apr 24 18:42:28 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 24 02:13:13 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	393186	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1645531	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	854121	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	1790151	20.00	ng/ul	0.01
75) Chrysene-d12	21.94	240	1860576	20.00	ng/ul	0.01
83) Perylene-d12	24.43	264	1935449	20.00	ng/ul	0.00

## System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	38030	4.22	ng/uL	0.00
5) Phenol-d5	7.65	99	689061	22.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	497375	25.52	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	582136	22.89	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	541992	22.36	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	278991	23.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	285129	24.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	519701	21.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	805519	33.90	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1515831	22.74	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1867468	22.68	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	196104	15.85	ng/ul	0.00
57) Fluorene-d10	16.11	176	1323350	22.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.23	200	49525m	5.11	ng/ul	0.03
70) Anthracene-d10	17.96	188	1944497	23.31	ng/ul	0.02
76) Pyrene-d10	20.19	212	2140901	24.32	ng/ul	0.01
87) Benzo(a)pyrene-d12	24.27	264	2331905	24.52	ng/ul	0.00

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Phenol	7.67	94	43224	1.445	ng/ul#	87
28) Naphthalene	11.42	128	738339	9.208	ng/ul#	95
34) 2-Methylnaphthalene	12.99	142	3472941	62.369	ng/ul	97
40) 1,1'-Biphenyl	13.97	154	3197831	46.559	ng/ul#	99
44) Dimethylphthalate	14.56	163	208219	3.231	ng/ul#	97
47) Acenaphthylene	14.86	152	799174	10.019	ng/ul#	89
49) Acenaphthene	15.20	153	14819342	261.430	ng/ul	91
53) Dibenzofuran	15.52	168	16763645m	212.964	ng/ul	
58) Fluorene	16.17	166	19823764m	311.887	ng/ul	
69) Phenanthrene	17.89	178	39966988m	415.722	ng/ul	
71) Anthracene	17.99	178	15982402	163.807	ng/ul#	78
72) Carbazole	18.23	167	447055	5.371	ng/ul#	91
73) Di-n-butylphthalate	18.75	149	1102982	10.898	ng/ul#	74
74) Fluoranthene	19.85	202	30191272m	288.039	ng/ul	
77) Pyrene	20.21	202	27858416m	256.265	ng/ul	
78) Butylbenzylphthalate	21.04	149	1157780	26.105	ng/ul	89
80) Benzo(a)anthracene	21.92	228	17702810m	162.705	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.80	149	7762163	119.236	ng/ul	98
82) Chrysene	21.98	228	13742575	134.922	ng/ul#	88
84) Di-n-octyl phthalate	22.76	149	567792	5.101	ng/ul#	92
85) Benzo(b)fluoranthene	23.67	252	13980438	122.535	ng/ul#	95
86) Benzo(k)fluoranthene	23.72	252	4870841	44.396	ng/ul#	93
88) Benzo(a)pyrene	24.33	252	9358469	86.471	ng/ul#	96

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**ClientSampleId :**  
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	27.01	276	3384236	25.848	ng/ul#	91
90) Dibenzo(a,h)anthracene	27.01	278	976353	8.857	ng/ul#	91
91) Benzo(a,h,i)perylene	27.81	276	2436203	22.618	ng/ul#	89

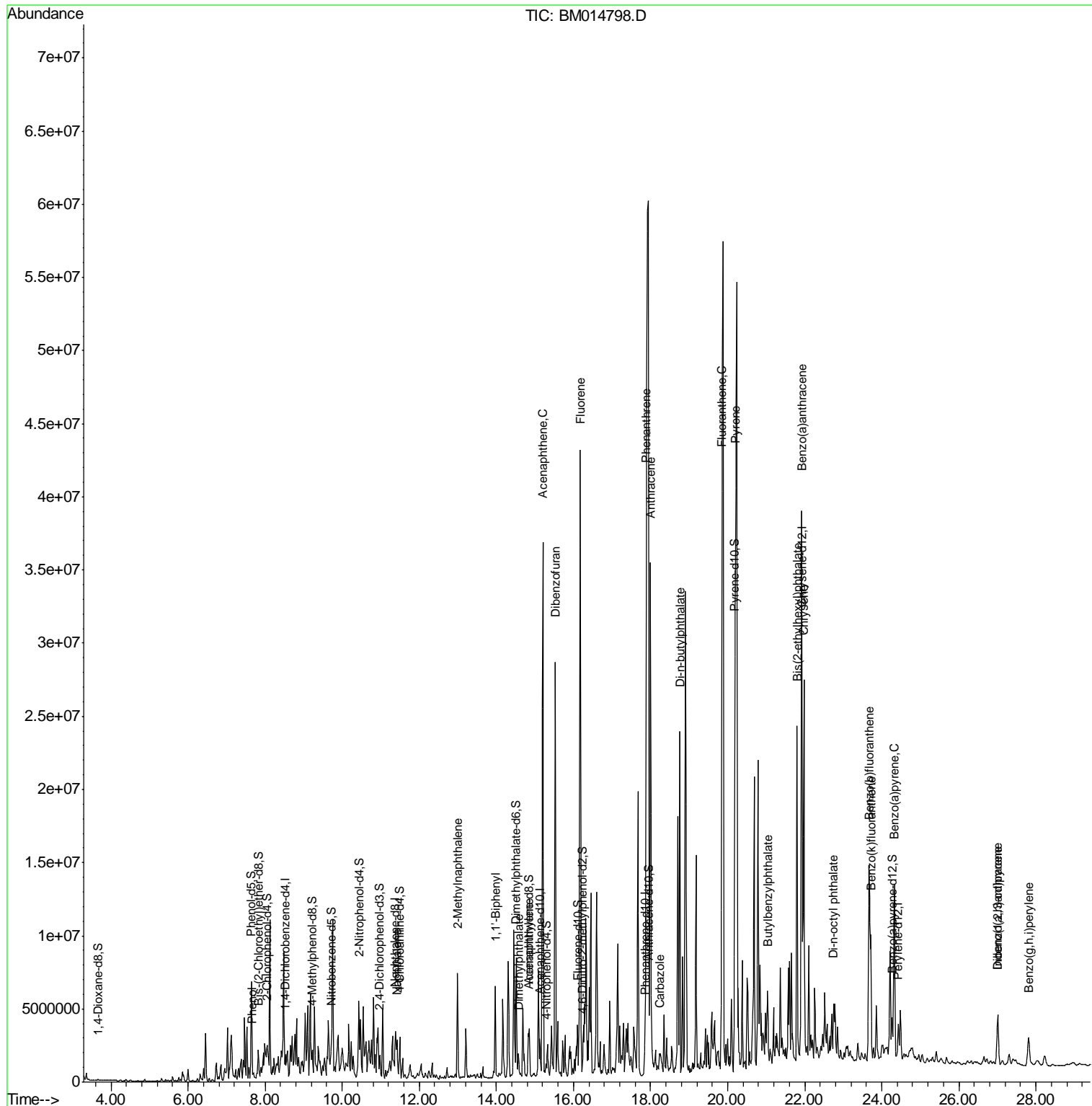
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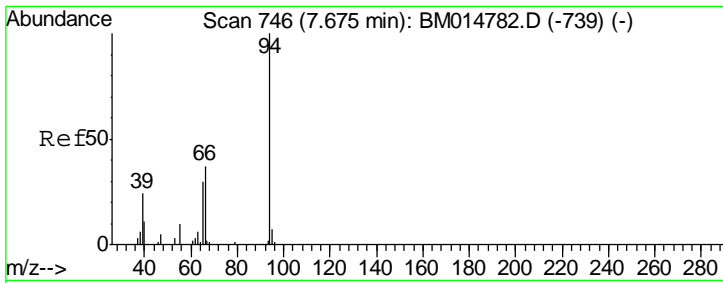
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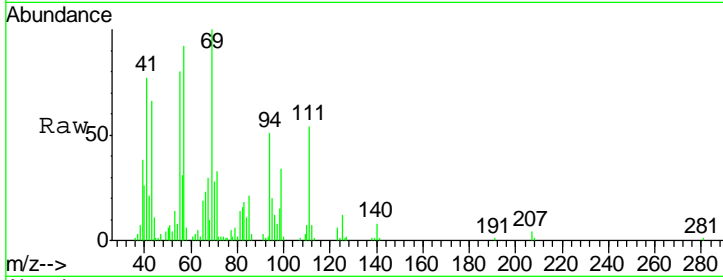
Quant Time: Apr 24 18:42:28 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
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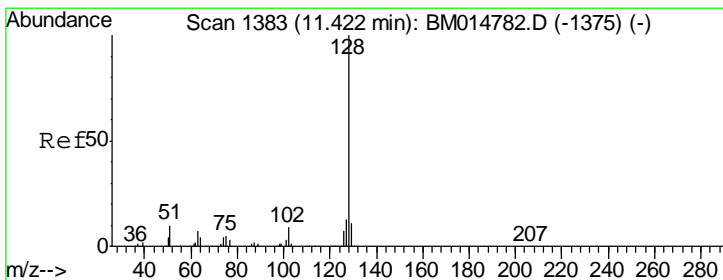
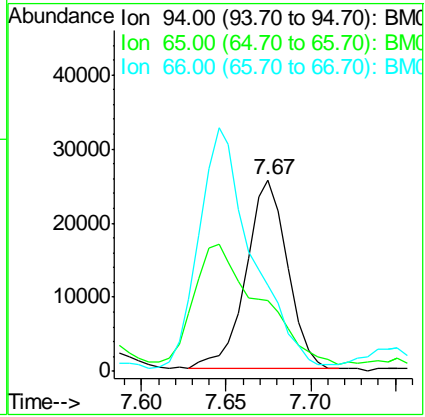
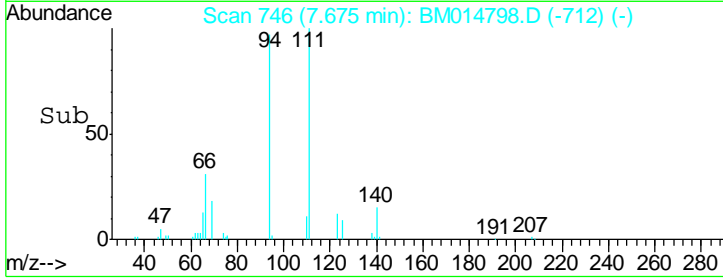
#6  
 Phenol  
 Concen: 1.445 ng/ul  
 RT: 7.67 min Scan# 746  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

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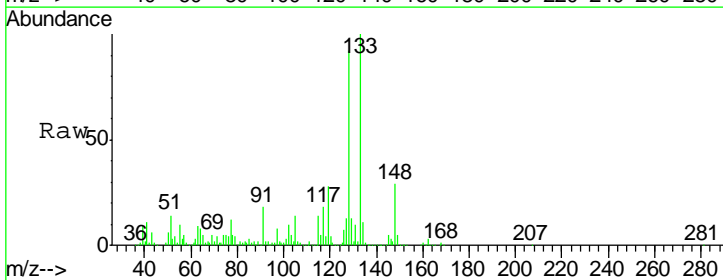


Tgt Ion	Resp	Lower	Upper
94	100		
65	36.7	28.2	42.4
66	45.0	47.2	70.8#

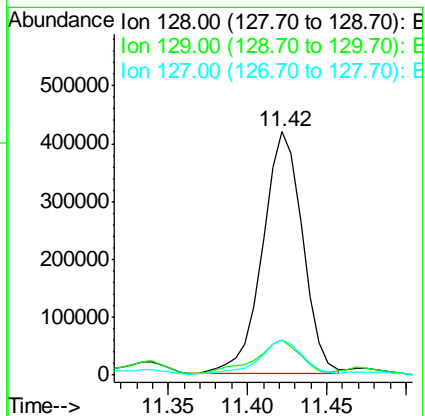
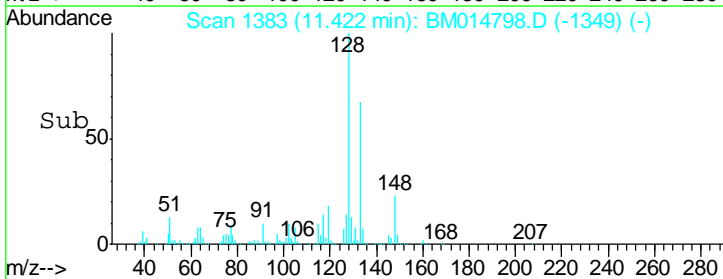
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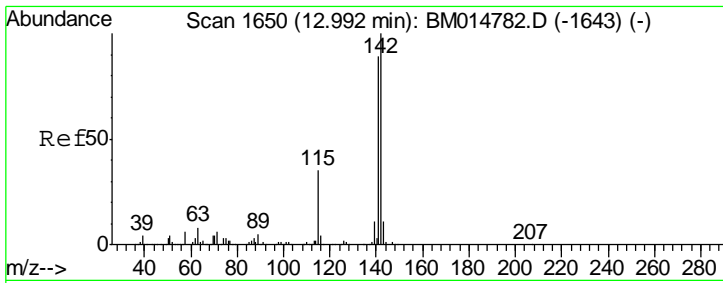


#28  
 Naphthalene  
 Concen: 9.208 ng/ul  
 RT: 11.42 min Scan# 1383  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
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Tgt Ion	Resp	Lower	Upper
128	100		
129	14.2	8.8	13.2#
127	14.3	10.6	16.0





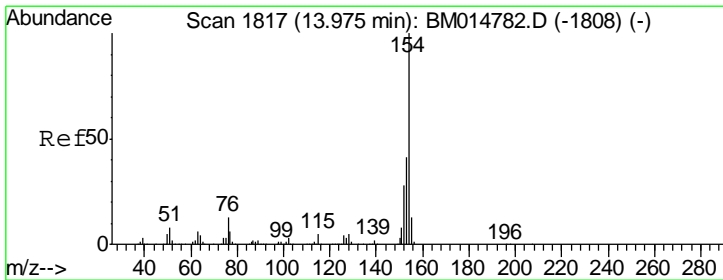
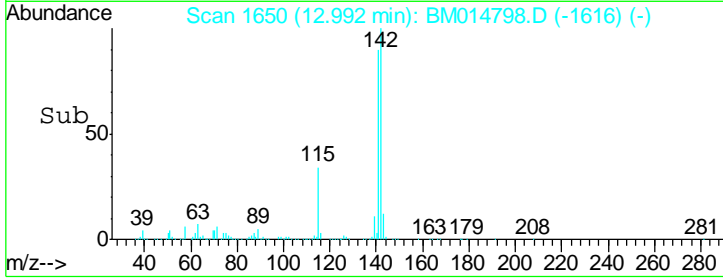
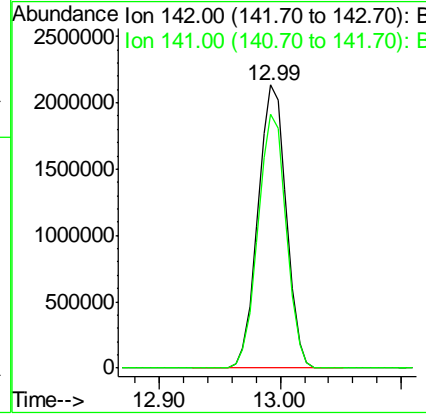
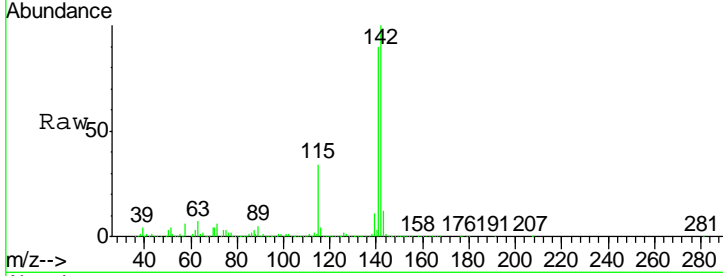
#34  
 2-Methylnaphthalene  
 Concen: 62.369 ng/ul  
 RT: 12.99 min Scan# 1650  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

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Tgt Ion	Resp	Lower	Upper
142	100		
141	89.8	74.1	111.1

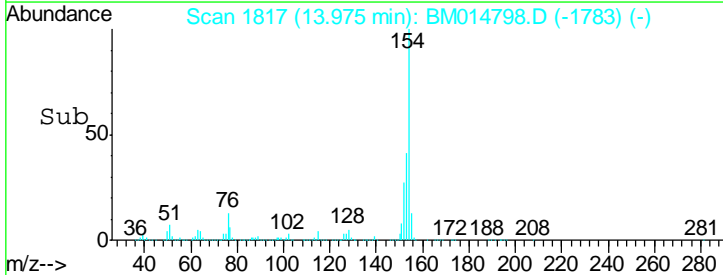
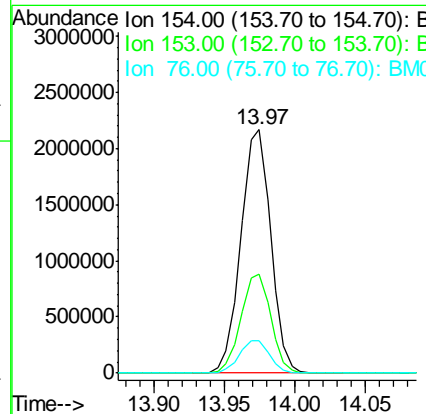
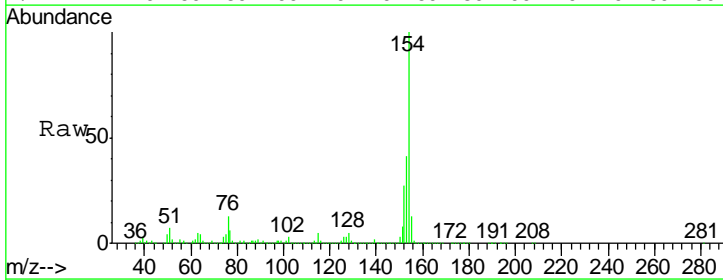
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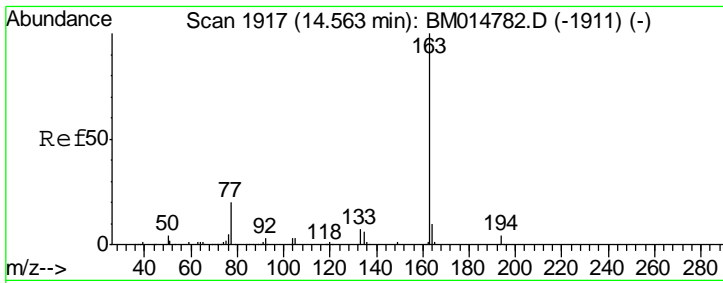
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#40  
 1,1'-Biphenyl  
 Concen: 46.559 ng/ul  
 RT: 13.97 min Scan# 1817  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
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Tgt Ion	Resp	Lower	Upper
154	100		
153	40.7	32.6	48.8
76	13.2	8.5	12.7#





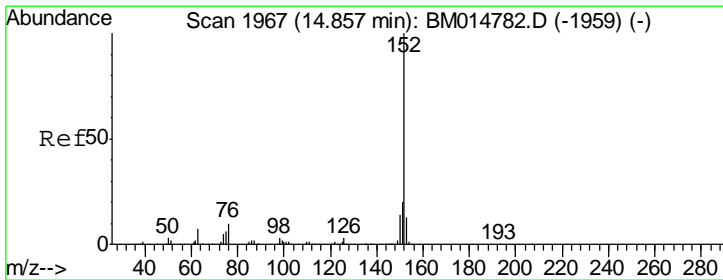
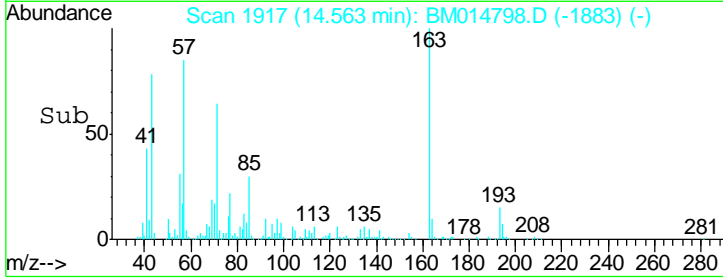
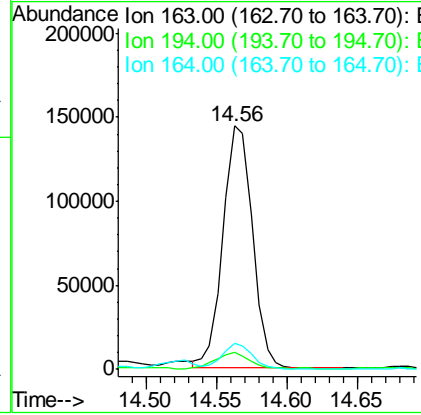
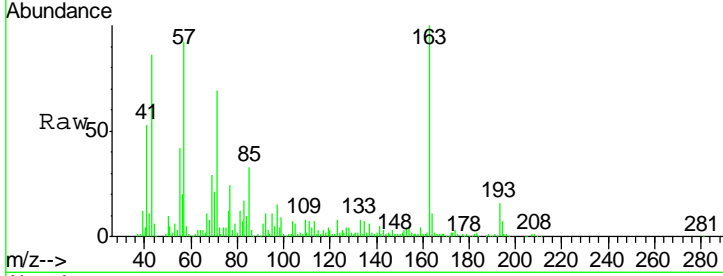
#44  
 Dimethylphthalate  
 Concen: 3.231 ng/ul  
 RT: 14.56 min Scan# 1917  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

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Tgt Ion	Resp	Lower	Upper
163	100		
194	6.9	3.5	5.3#
164	10.7	8.2	12.4

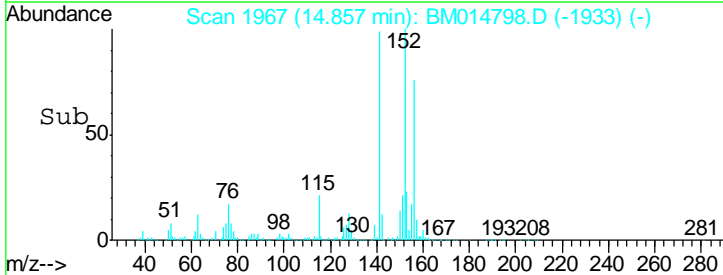
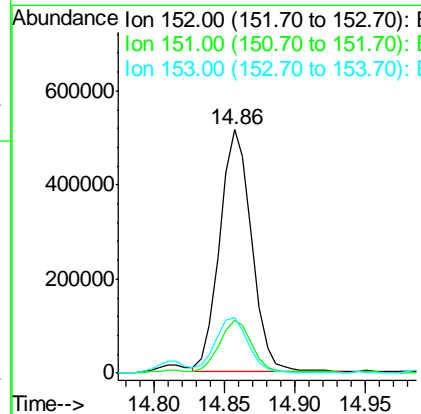
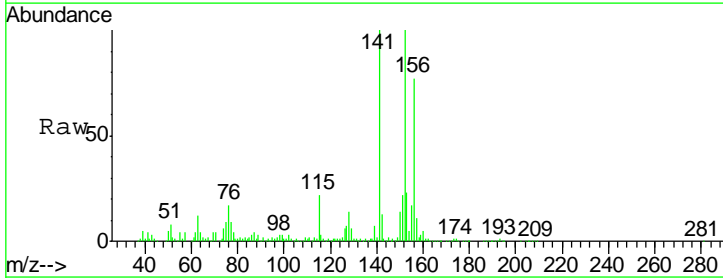
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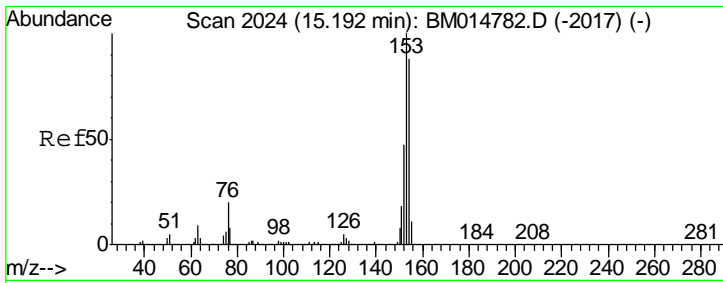
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#47  
 Acenaphthylene  
 Concen: 10.019 ng/ul  
 RT: 14.86 min Scan# 1967  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
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Tgt Ion	Resp	Lower	Upper
152	100		
151	21.6	16.3	24.5
153	22.8	10.2	15.4#





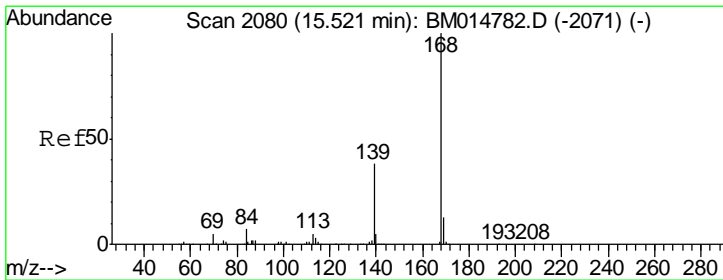
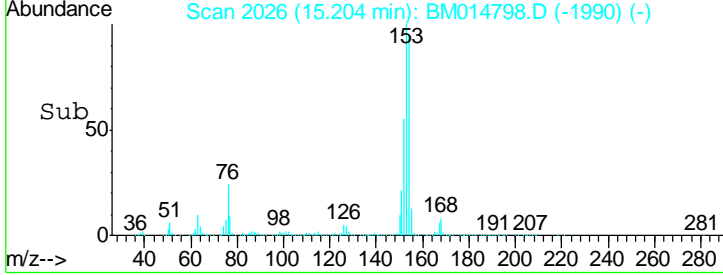
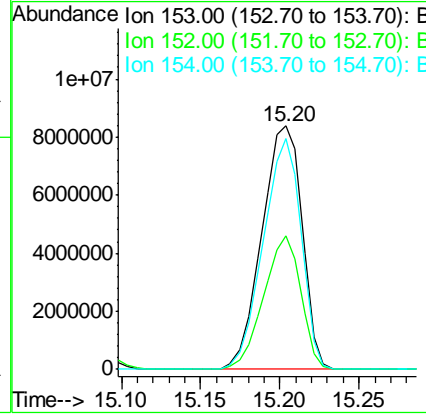
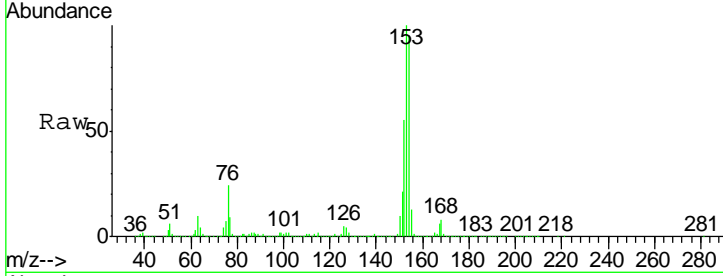
#49  
 Acenaphthene  
 Concen: 261.430 ng/ul  
 RT: 15.20 min Scan# 2026  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

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Tgt Ion	Resp	Lower	Upper
153	100		
152	54.8	37.6	56.4
154	94.9	70.4	105.6

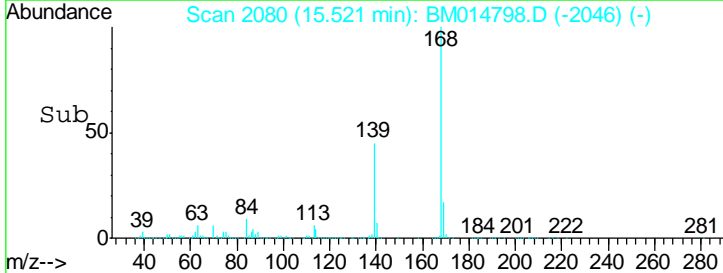
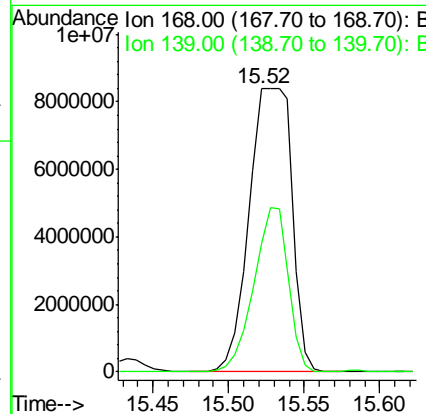
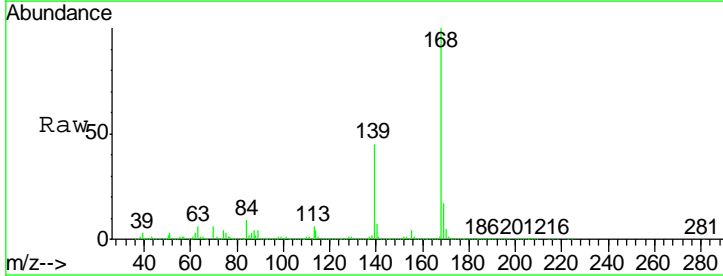
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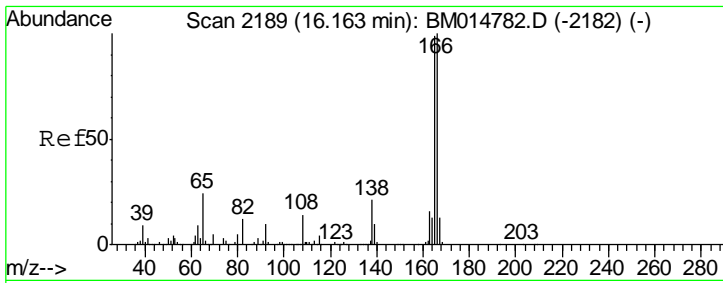
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#53  
 Dibenzofuran  
 Concen: 212.964 ng/ul m  
 RT: 15.52 min Scan# 2080  
 Delta R.T. 0.00 min  
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Tgt Ion	Resp	Lower	Upper
168	100		
139	45.2	30.8	46.2





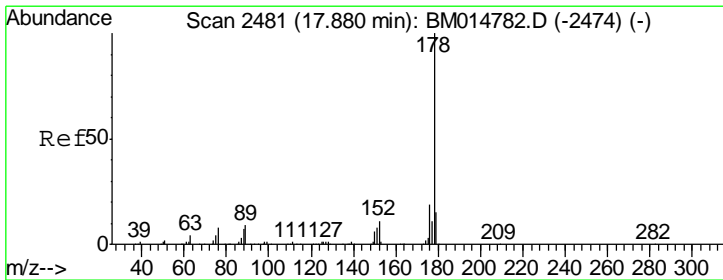
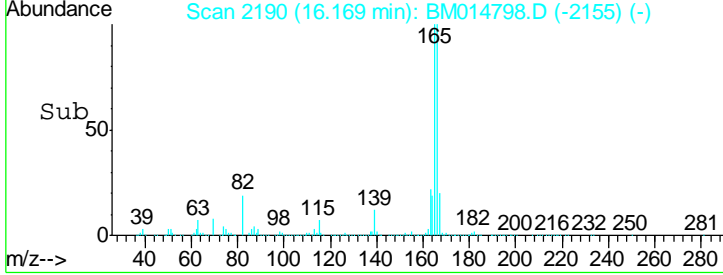
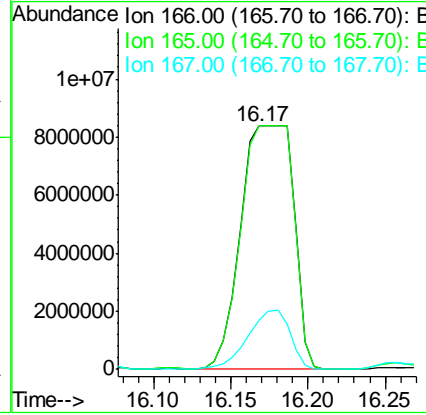
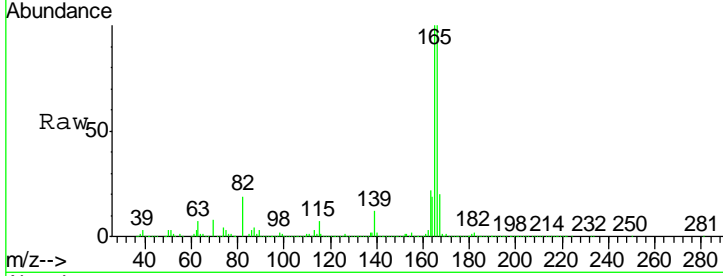
#58  
 Fluorene  
 Concen: 311.887 ng/ul m  
 RT: 16.17 min Scan# 2190  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

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Tgt Ion	Resp	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	20.0	10.6	16.0#

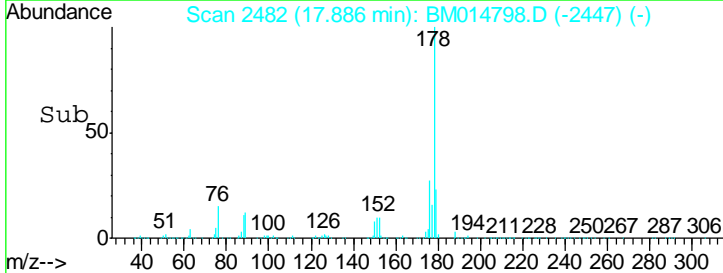
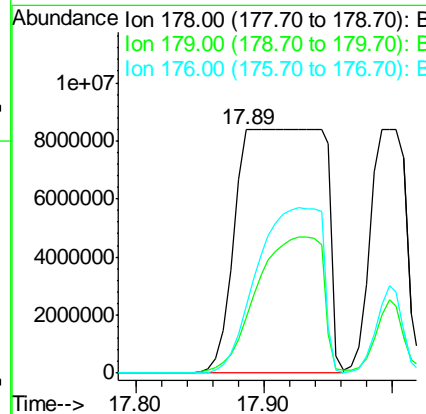
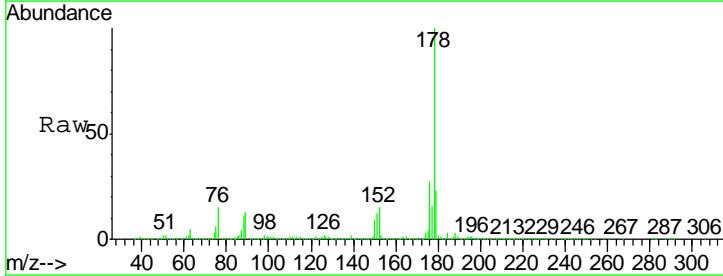
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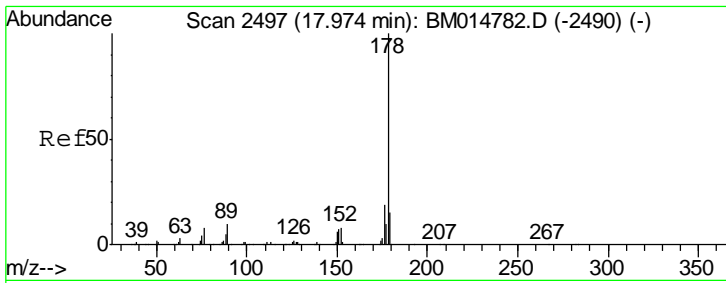


#69  
 Phenanthrene  
 Concen: 415.722 ng/ul m  
 RT: 17.89 min Scan# 2482  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion	Resp	Lower	Upper
178	100		
179	22.9	12.6	19.0#
176	27.3	14.9	22.3#







#71  
 Anthracene  
 Concen: 163.807 ng/ul  
 RT: 17.99 min Scan# 2500  
 Delta R.T. 0.02 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

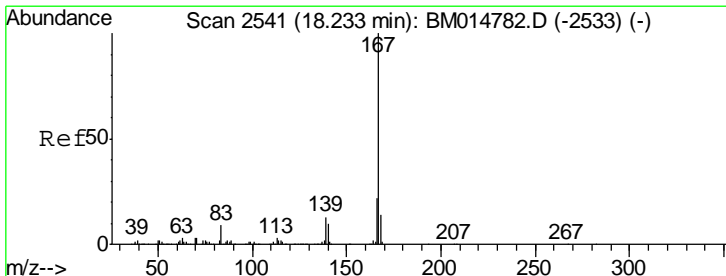
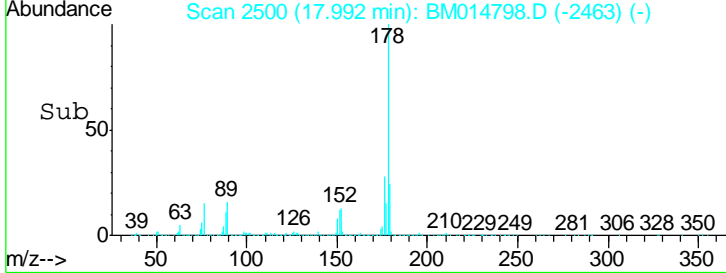
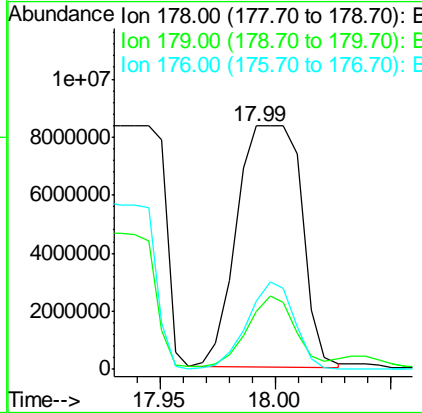
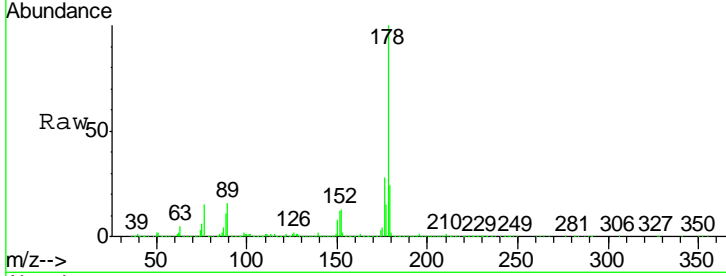
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Tgt Ion:178 Resp:15982402

Ion	Ratio	Lower	Upper
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179	24.0	11.7	17.5#
176	28.1	14.6	21.8#

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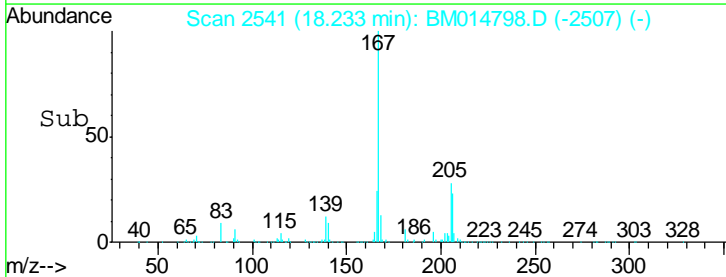
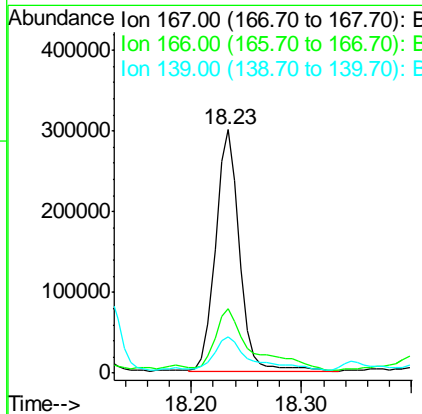
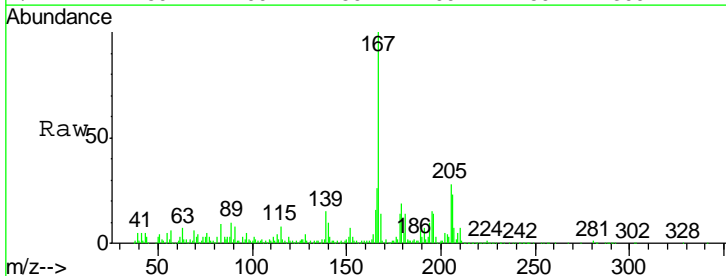
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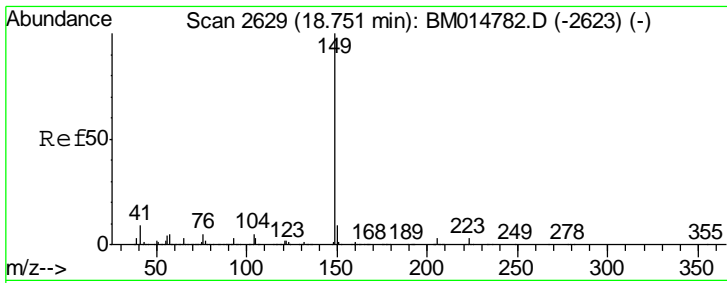


#72  
 Carbazole  
 Concen: 5.371 ng/ul  
 RT: 18.23 min Scan# 2541  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion:167 Resp: 447055

Ion	Ratio	Lower	Upper
167	100		
166	26.4	17.1	25.7#
139	14.9	10.0	15.0



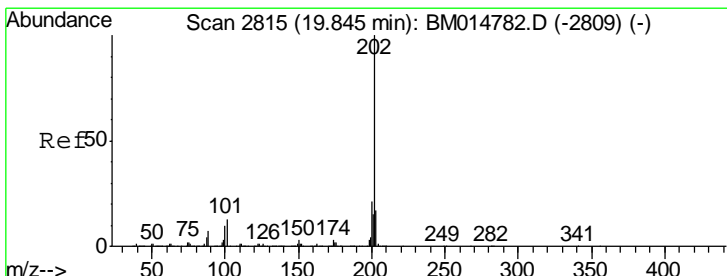
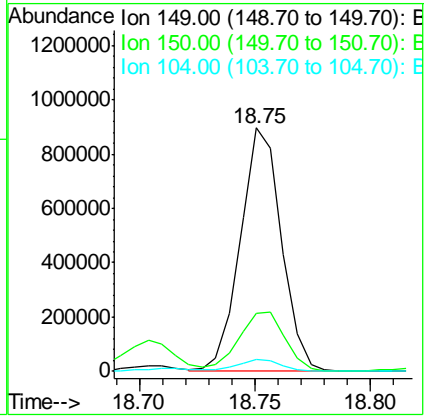
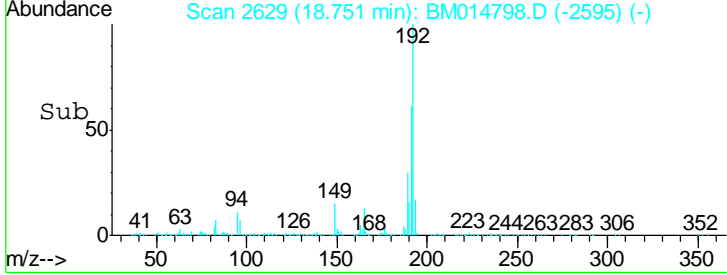
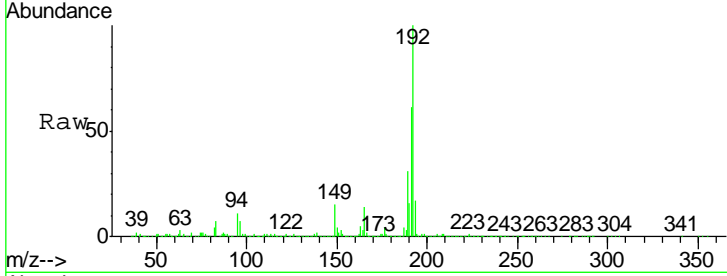


#73  
 Di-n-butylphthalate  
 Concen: 10.898 ng/ul  
 RT: 18.75 min Scan# 2629  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 DASP7

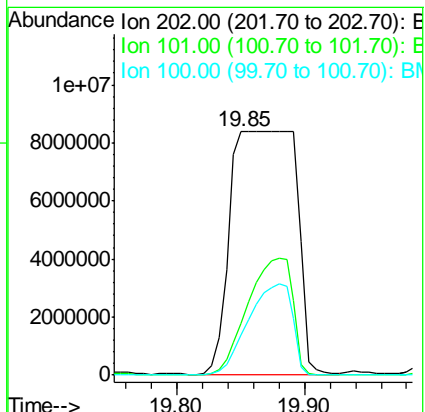
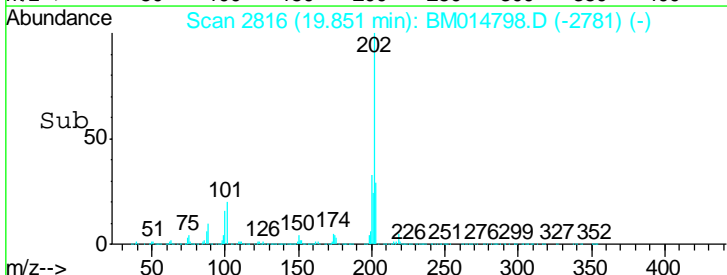
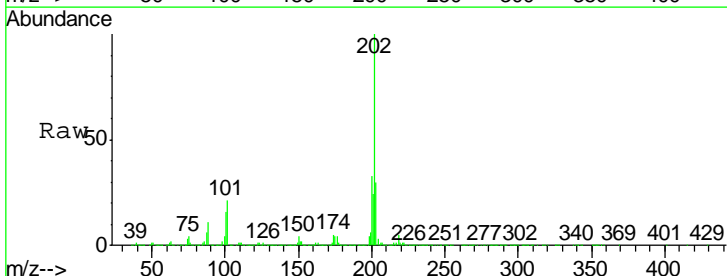
Tgt Ion	Resp	Lower	Upper
149	100		
150	23.7	7.1	10.7#
104	4.9	5.6	8.4#

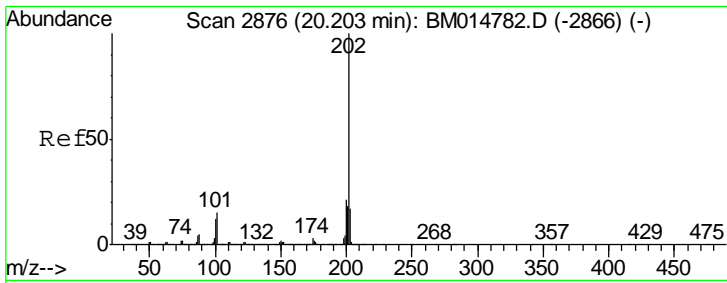
**Manual Integrations**  
**APPROVED**  
 Sohil  
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#74  
 Fluoranthene  
 Concen: 288.039 ng/ul m  
 RT: 19.85 min Scan# 2816  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion	Resp	Lower	Upper
202	100		
101	21.1	4.6	7.0#
100	16.2	3.4	5.2#





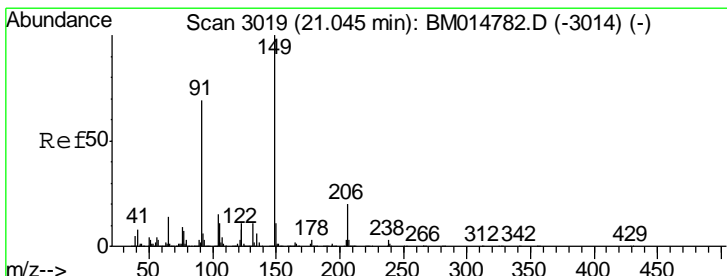
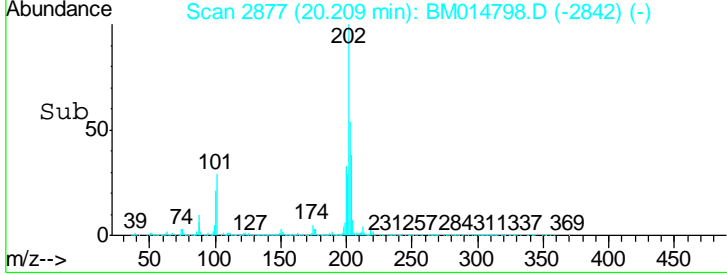
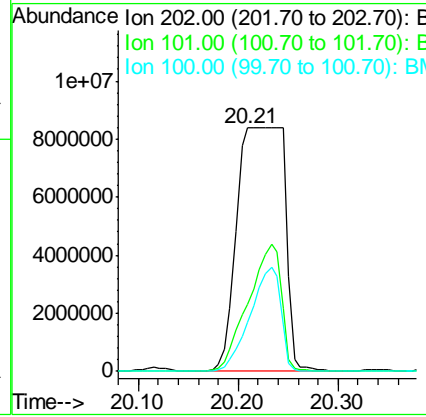
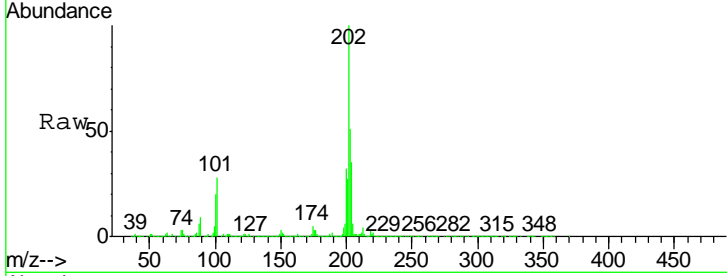
#77  
 Pyrene  
 Concen: 256.265 ng/ul m  
 RT: 20.21 min Scan# 2877  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 DASP7

Tgt Ion: 202 Resp: 27858416

Ion	Ratio	Lower	Upper
202	100		
101	27.7	5.1	7.7#
100	20.1	4.9	7.3#

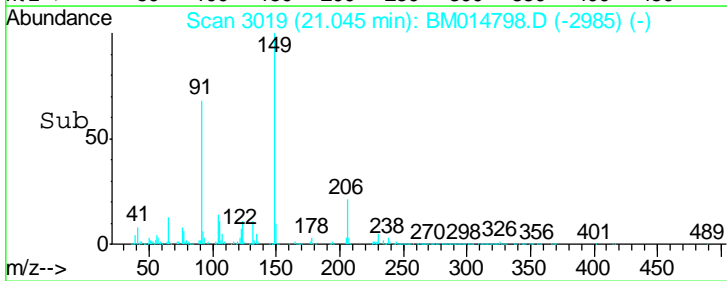
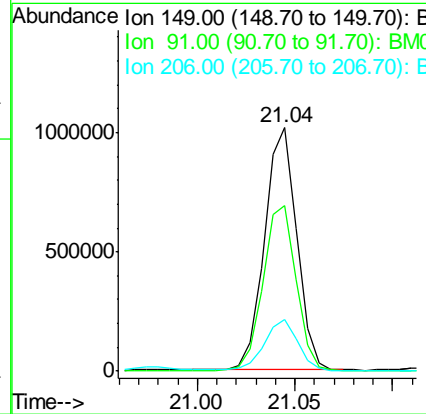
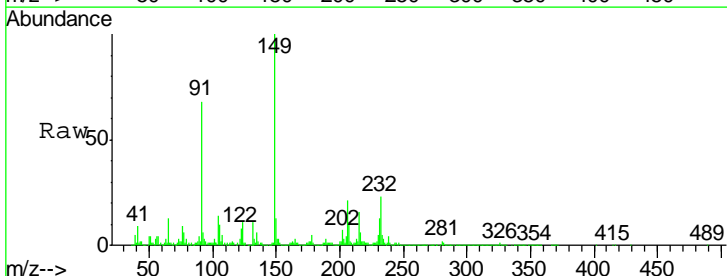
**Manual Integrations**  
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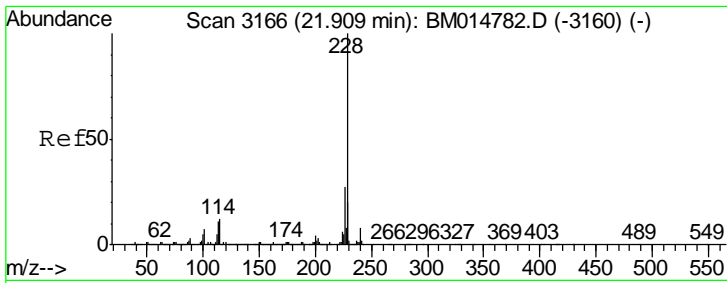


#78  
 Butylbenzylphthalate  
 Concen: 26.105 ng/ul  
 RT: 21.04 min Scan# 3019  
 Delta R.T. 0.00 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion: 149 Resp: 1157780

Ion	Ratio	Lower	Upper
149	100		
91	68.1	62.7	94.1
206	21.4	20.8	31.2





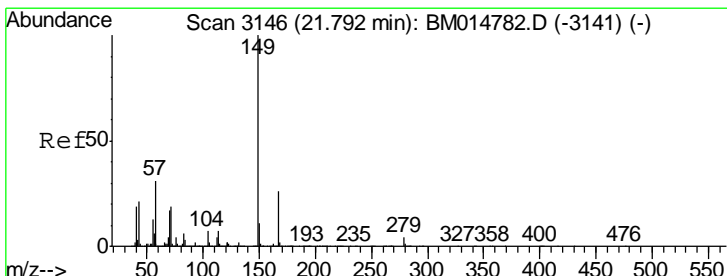
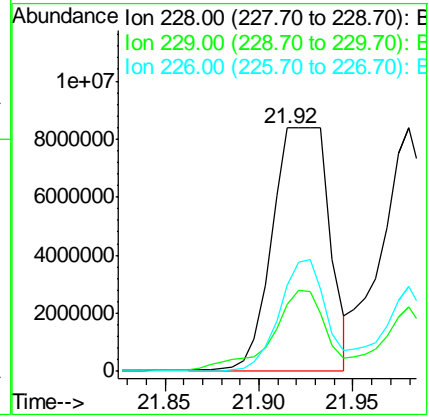
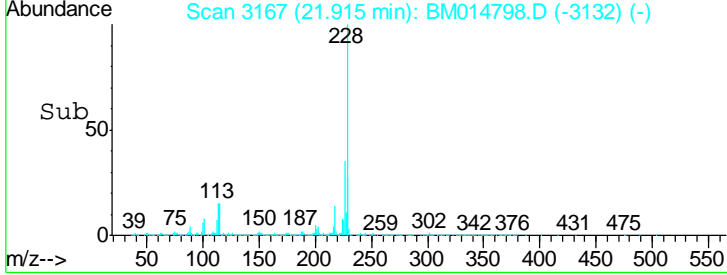
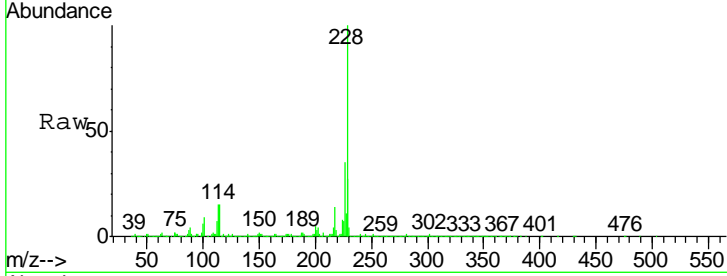
#80  
 Benzo(a)anthracene  
 Concen: 162.705 ng/ul m  
 RT: 21.92 min Scan# 3167  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 DASP7

Tgt Ion: 228 Resp: 17702810

Ion	Ratio	Lower	Upper
228	100		
229	27.3	15.4	23.0#
226	35.5	21.4	32.0#

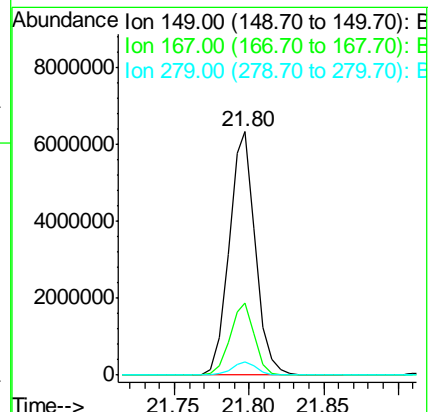
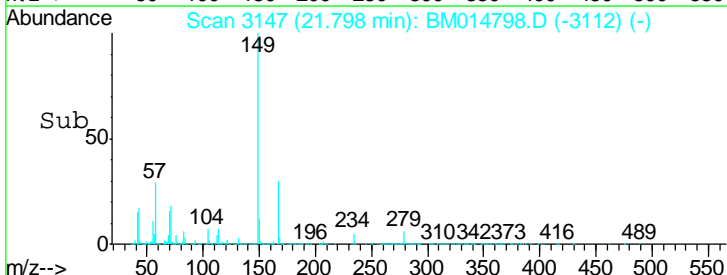
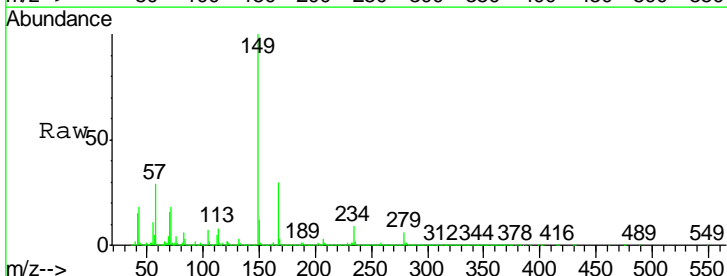
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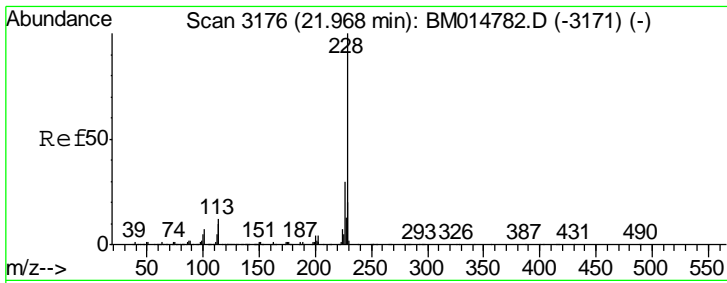


#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 119.236 ng/ul  
 RT: 21.80 min Scan# 3147  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion: 149 Resp: 7762163

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.8	34.2
279	5.6	4.9	7.3





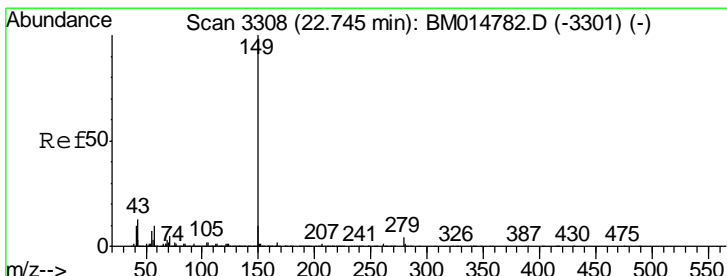
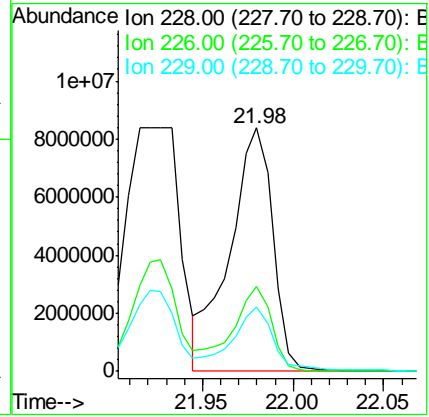
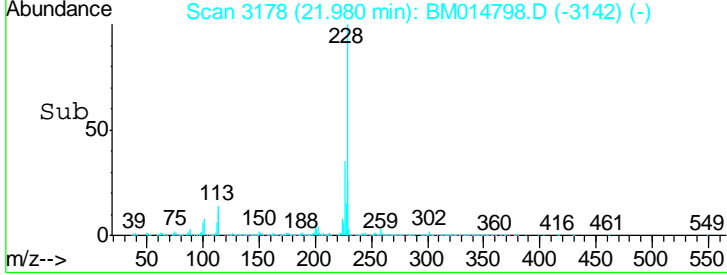
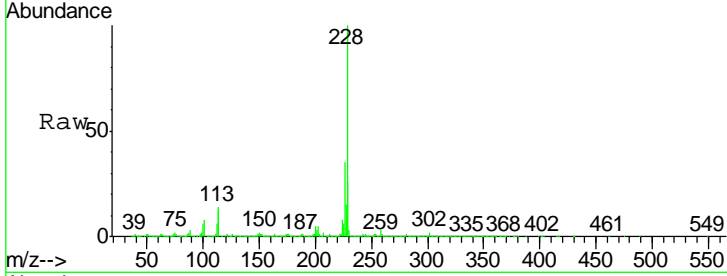
#82  
 Chrysene  
 Concen: 134.922 ng/ul  
 RT: 21.98 min Scan# 3178  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Instrument :  
 BNA\_M  
 ClientSampled :  
 DASP7

Tgt Ion: 228 Resp: 13742575

Ion	Ratio	Lower	Upper
228	100		
226	34.6	23.4	35.2
229	26.3	15.5	23.3#

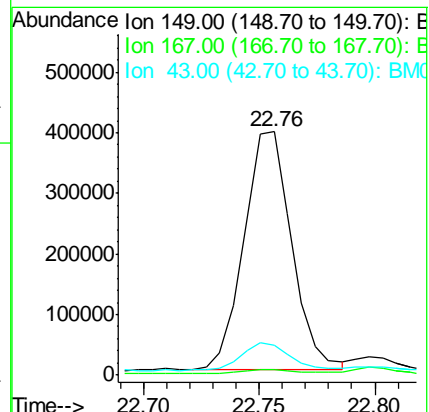
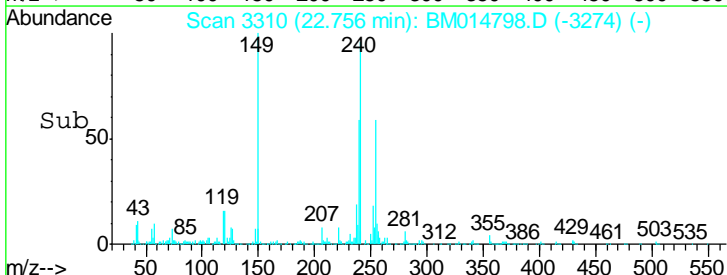
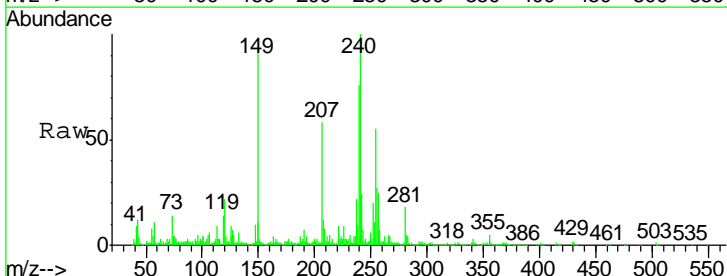
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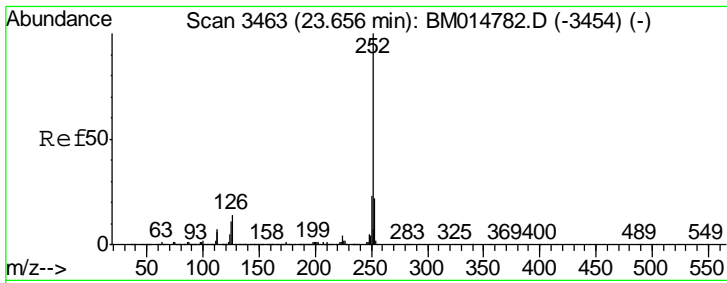


#84  
 Di-n-octyl phthalate  
 Concen: 5.101 ng/ul  
 RT: 22.76 min Scan# 3310  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion: 149 Resp: 567792

Ion	Ratio	Lower	Upper
149	100		
167	2.4	1.3	1.9#
43	12.5	7.3	10.9#



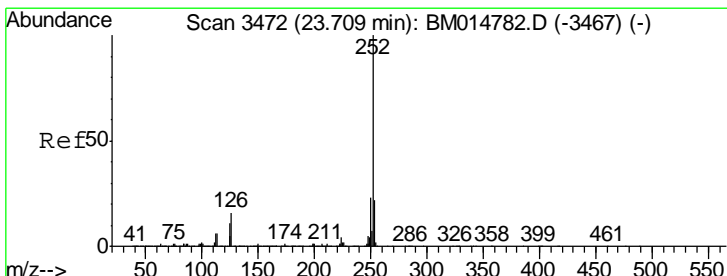
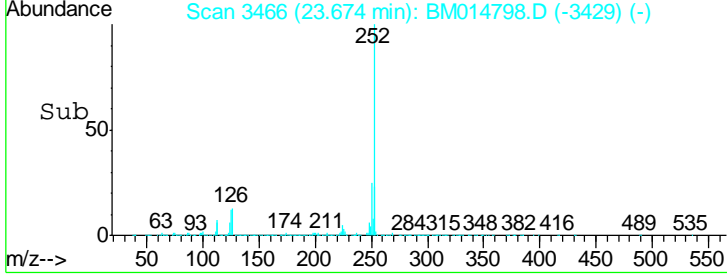
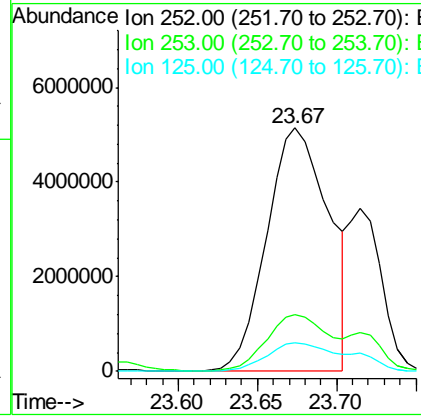
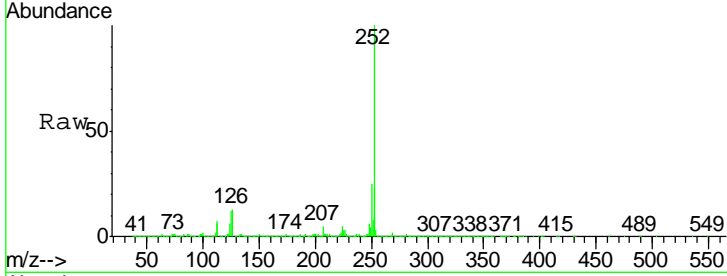


#85  
 Benzo(b)fluoranthene  
 Concen: 122.535 ng/ul  
 RT: 23.67 min Scan# 3466  
 Delta R.T. 0.02 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Instrument :  
 BNA\_M  
 ClientSampled :  
 DASP7

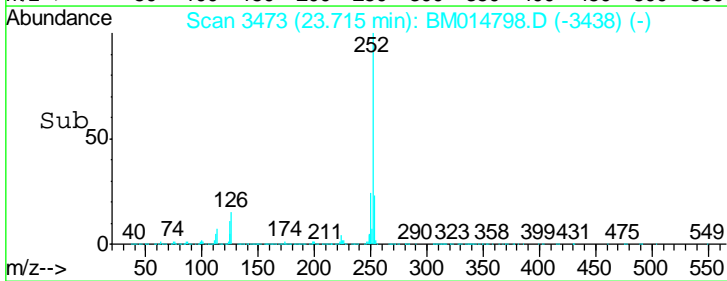
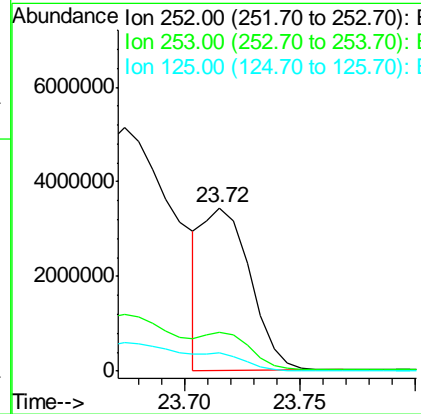
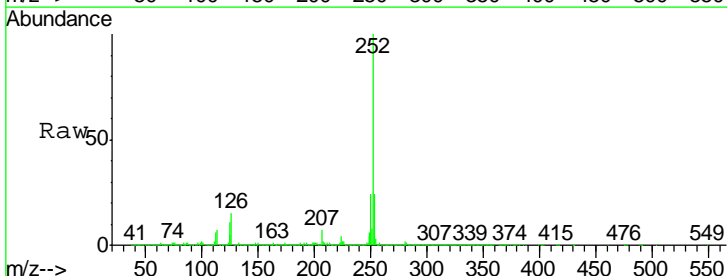
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	11.7	3.6	5.4#

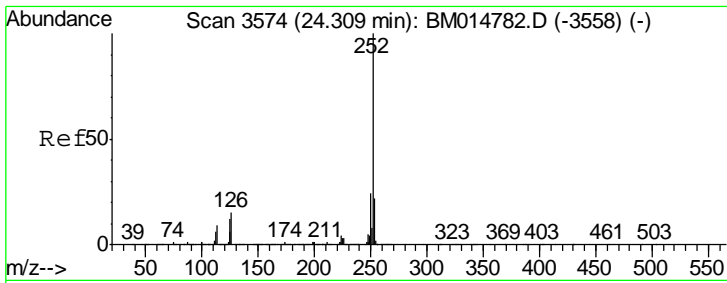
Manual Integrations  
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#86  
 Benzo(k)fluoranthene  
 Concen: 44.396 ng/ul  
 RT: 23.72 min Scan# 3473  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	11.0	3.4	5.2#





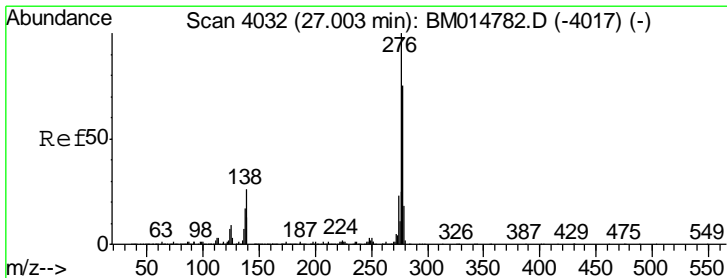
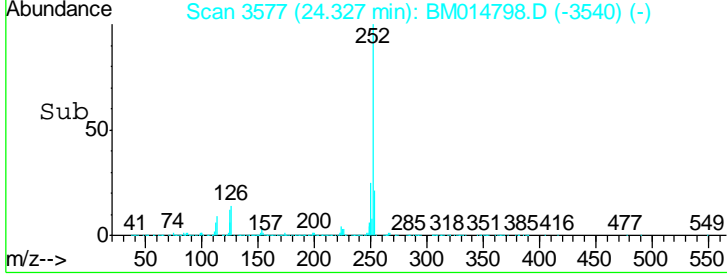
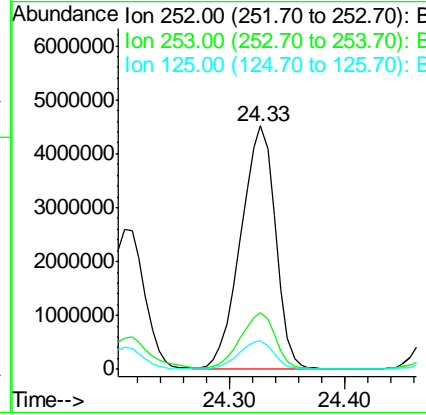
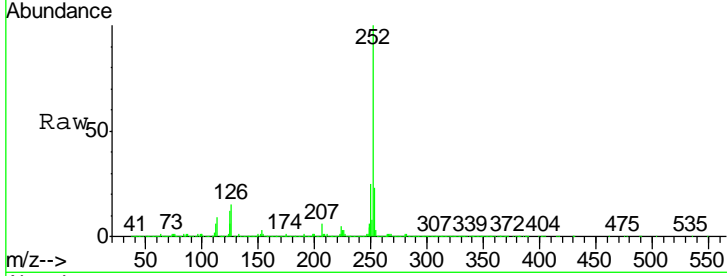
#88  
 Benzo(a)pyrene  
 Concen: 86.471 ng/ul  
 RT: 24.33 min Scan# 3577  
 Delta R.T. 0.02 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Instrument :  
 BNA\_M  
 ClientSampled :  
 DASP7

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.9	4.0	6.0

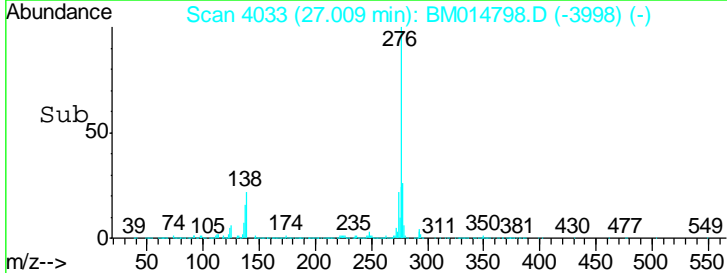
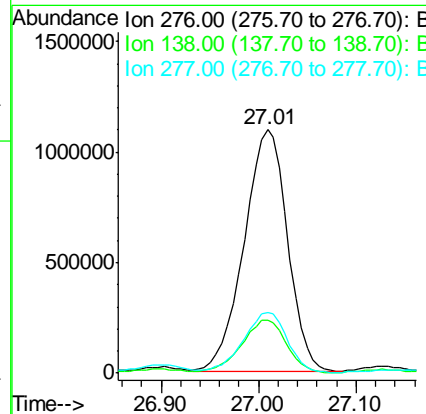
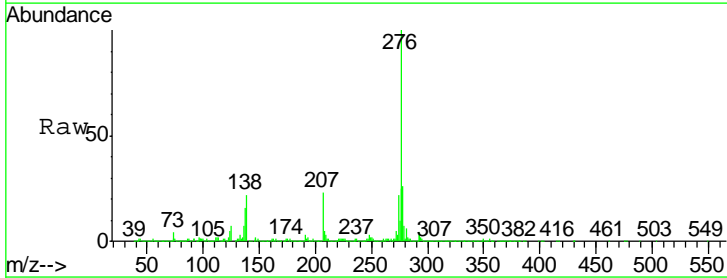
Manual Integrations  
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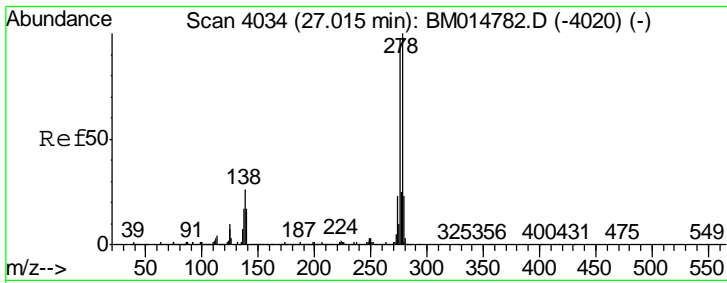
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#89  
 Indeno(1,2,3-cd)pyrene  
 Concen: 25.848 ng/ul  
 RT: 27.01 min Scan# 4033  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion	Resp	Lower	Upper
276	100		
138	21.9	9.3	13.9
277	24.9	19.9	29.9





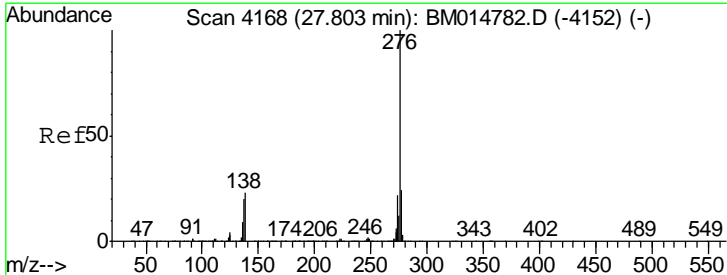
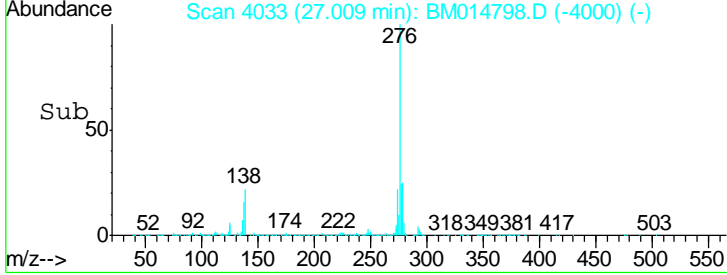
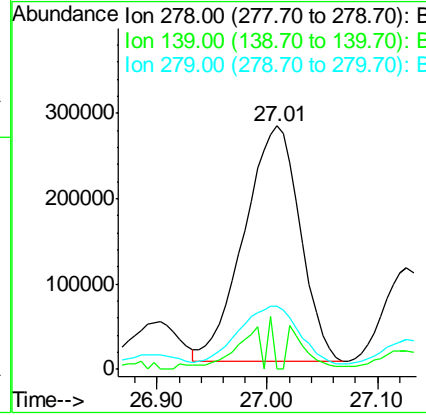
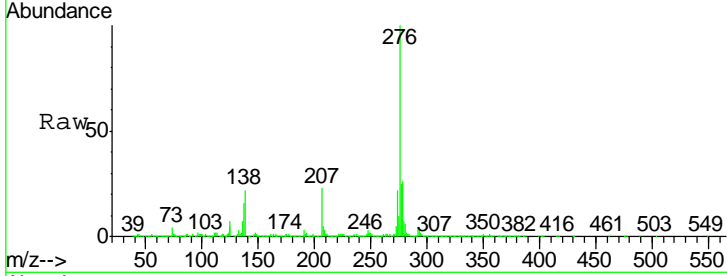
#90  
 Dibenzo(a,h)anthracene  
 Concen: 8.857 ng/ul  
 RT: 27.01 min Scan# 4033  
 Delta R.T. -0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Instrument :  
 BNA\_M  
 ClientSampled :  
 DASP7

Tgt Ion	Resp	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	25.8	18.6	27.8

Manual Integrations  
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#91  
 Benzo(g,h,i)perylene  
 Concen: 22.618 ng/ul  
 RT: 27.81 min Scan# 4169  
 Delta R.T. 0.01 min  
 Lab File: BM014798.D  
 Acq: 24 Apr 2018 04:29

Tgt Ion	Resp	Lower	Upper
276	100		
138	22.4	8.5	12.7#
277	23.9	18.6	28.0

