

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
 Data File : BM021533.D
 Acq On : 18 Jul 2019 20:57
 Operator : HP/JU
 Sample : K3822-02
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-070219

Manual Integrations
 APPROVED

mohammad
 7/25/2019 10:04:50 AM

Quant Time: Jul 19 02:15:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 19 00:39:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	138743	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	557242	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.36	164	340868	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	783232	20.00	ng/ul	0.00
77) Chrysene-d12	21.30	240	795085	20.00	ng/ul	0.00
85) Perylene-d12	23.56	264	923038	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	18466	6.56	ng/uL	0.00
5) Phenol-d5	6.89	99	96622	8.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	222385	34.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	273612	29.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	180556	21.01	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	211011	45.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	186705	35.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	354424	34.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	89835	9.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.78	166	1135038	38.02	ng/ul	0.00
46) Acenaphthylene-d8	14.05	160	1269353	33.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	35712	7.55	ng/ul	0.01
57) Fluorene-d10	15.36	176	997779	37.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	175688	33.37	ng/ul	0.00
70) Anthracene-d10	17.22	188	1579876	38.83	ng/ul	0.00
78) Pyrene-d10	19.51	212	1801088	41.28	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.41	264	2066499	38.93	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.92	94	16644	1.612	ng/ul#	1
14) Acetophenone	8.55	105	20257	1.565	ng/ul#	91
16) 4-Methylphenol	8.49	108	49923	5.985	ng/ul	93
28) Naphthalene	10.56	128	34027053m	1173.335	ng/ul	
34) 2-Methylnaphthalene	12.19	142	11829125	553.368	ng/ul	98
40) 1,1'-Biphenyl	13.19	154	2302927	80.721	ng/ul	100
44) Dimethylphthalate	13.83	163	101439	3.649	ng/ul	99
47) Acenaphthylene	14.08	152	395728	12.135	ng/ul	97
49) Acenaphthene	14.43	153	5014499	211.615	ng/ul	99
53) Dibenzofuran	14.77	168	4840508	141.013	ng/ul	100
58) Fluorene	15.42	166	3141978	113.137	ng/ul	99
69) Phenanthrene	17.16	178	4163509	94.275	ng/ul	99
71) Anthracene	17.24	178	261115m	5.809	ng/ul	
74) Carbazole	17.53	167	1017757	27.279	ng/ul	100
76) Fluoranthene	19.17	202	1112234	21.209	ng/ul	99
79) Pyrene	19.54	202	668411	12.702	ng/ul	99
82) Benzo(a)anthracene	21.29	228	86240	1.584	ng/ul	97
84) Chrysene	21.34	228	52727m	1.030	ng/ul	

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

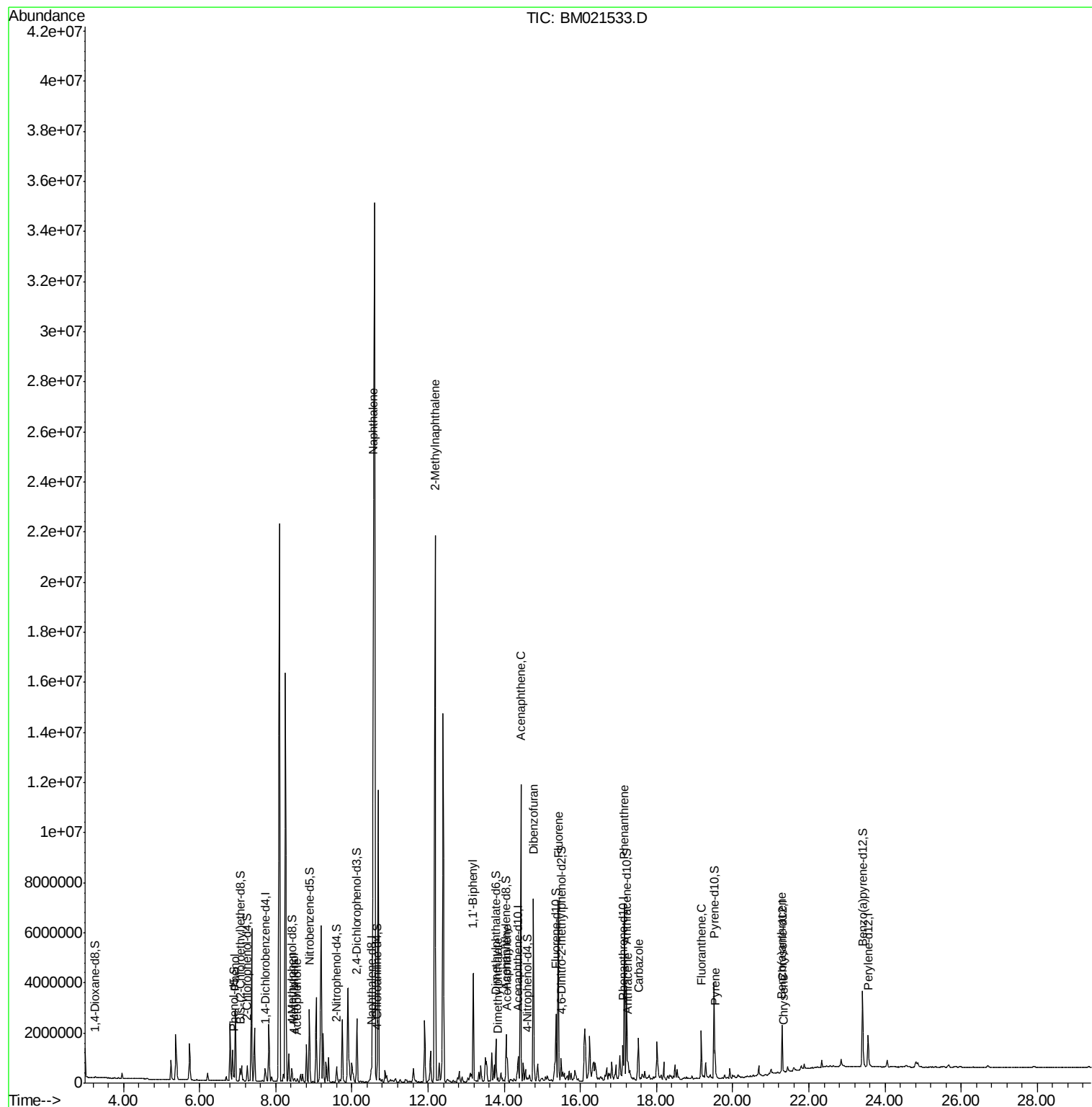
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
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Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

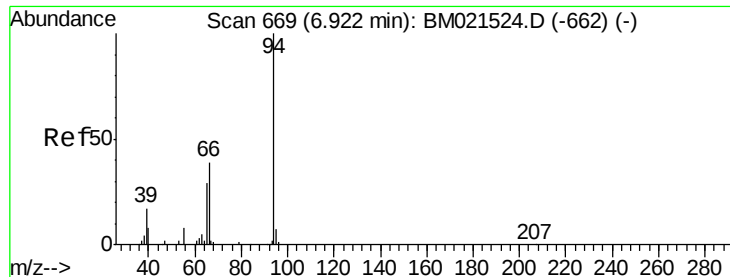
Instrument :
BNA_M
ClientSampleId :
HD-01-070219

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Quant Time: Jul 19 02:15:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 00:39:42 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.612 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: BM021533.D

Acq: 18 Jul 2019 20:57

Instrument :

BNA_M

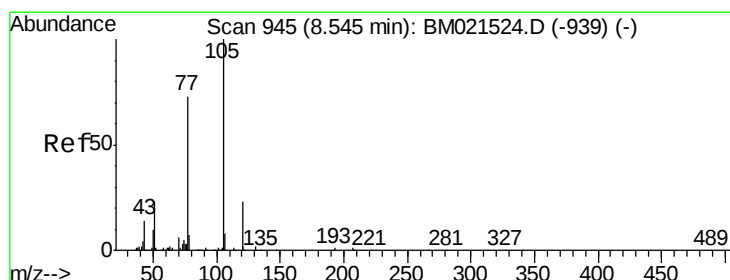
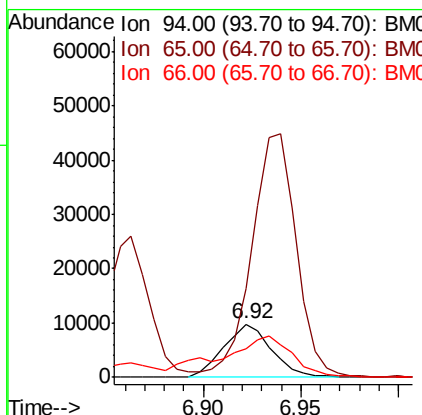
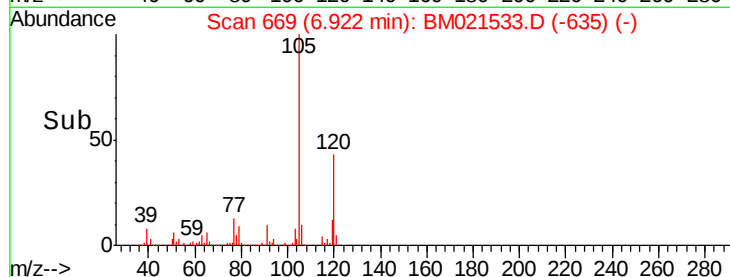
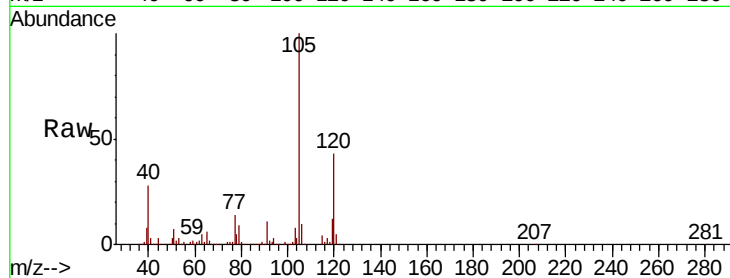
ClientSampled :

HD-01-070219

Tot Ion:	94	Resp:	16644
Ion Ratio	Lower	Upper	
94	100		
65	167.4	23.0	34.6#
66	55.0	31.6	47.4#

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#14

Acetophenone

Concen: 1.565 ng/ul

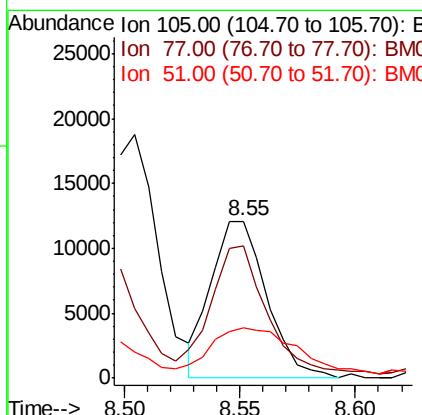
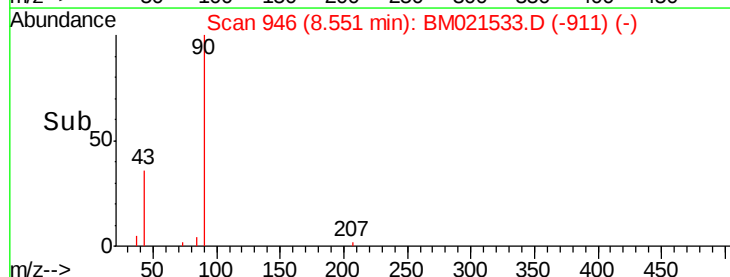
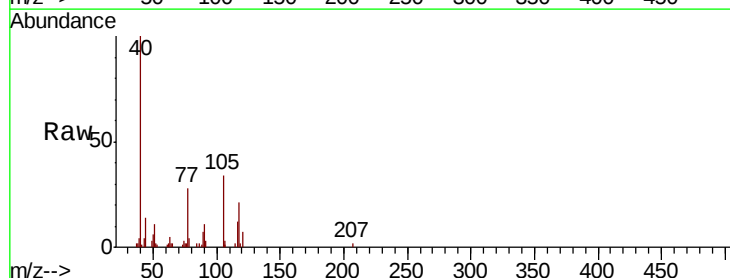
RT: 8.55 min Scan# 946

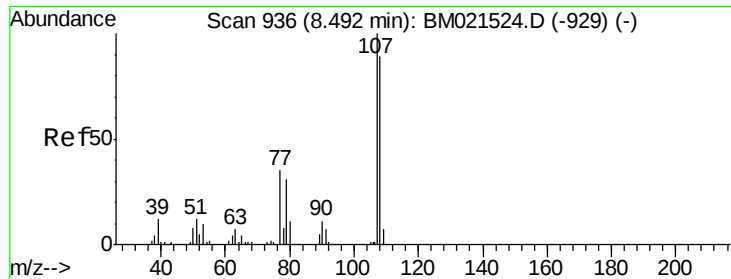
Delta R.T. 0.01 min

Lab File: BM021533.D

Acq: 18 Jul 2019 20:57

Tgt Ion:	105	Resp:	20257
Ion Ratio	Lower	Upper	
105	100		
77	84.2	62.1	93.1
51	32.5	20.2	30.4#





#16

4-Methylphenol

Concen: 5.985 ng/ul

RT: 8.49 min Scan# 935

Delta R.T. -0.01 min

Lab File: BM021533.D

Acq: 18 Jul 2019 20:57

Instrument :

BNA_M

ClientSampleId :

HD-01-070219

Tot Ion:108 Resp: 49923

Ion Ratio Lower Upper

108 100

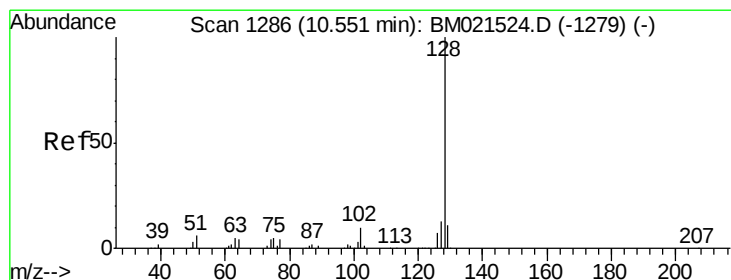
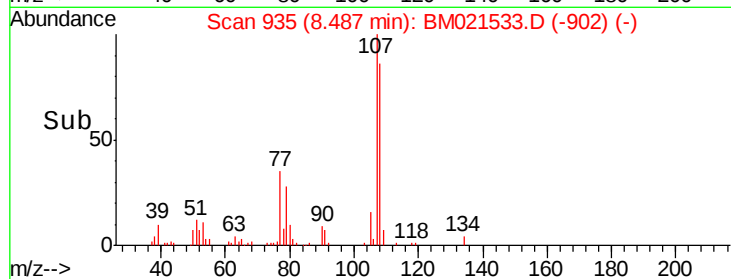
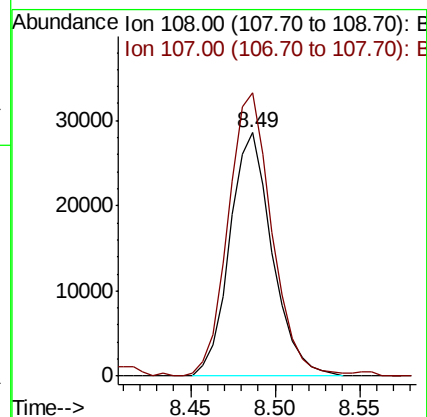
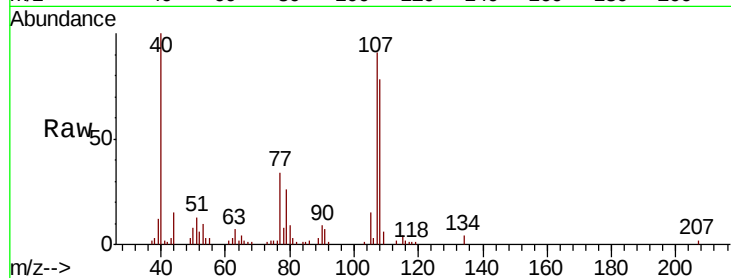
107 116.3 87.2 130.8

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#28

Naphthalene

Concen: 1173.335 ng/ul m

RT: 10.56 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BM021533.D

Acq: 18 Jul 2019 20:57

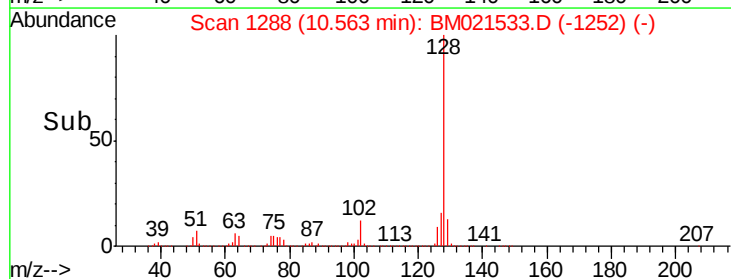
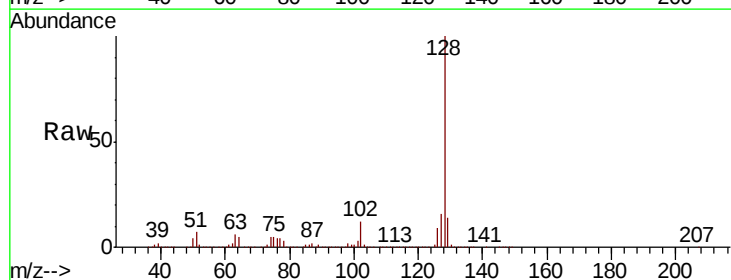
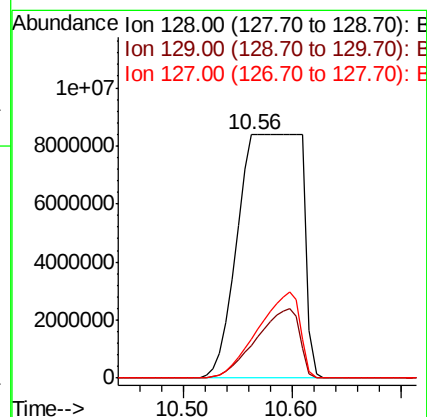
Tgt Ion:128 Resp:34027053

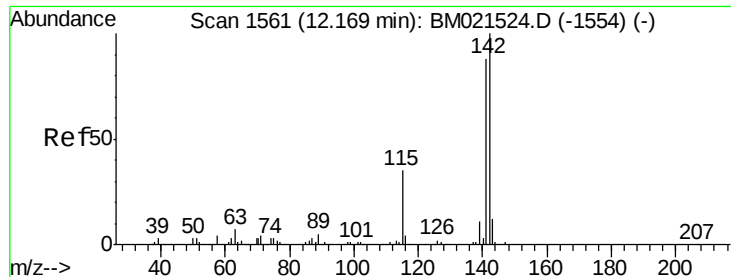
Ion Ratio Lower Upper

128 100

129 13.5 8.7 13.1#

127 15.7 10.6 16.0





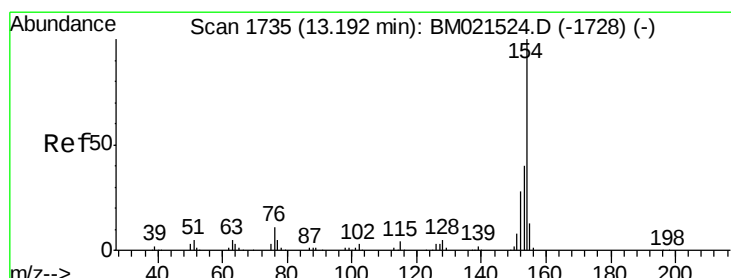
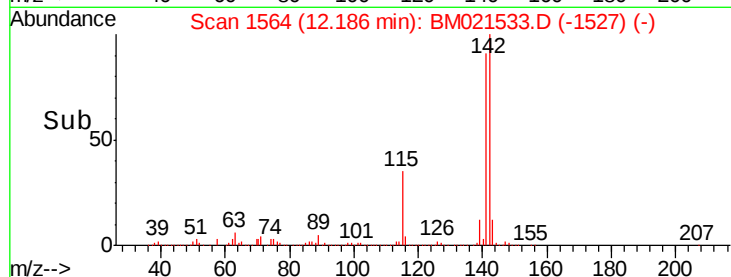
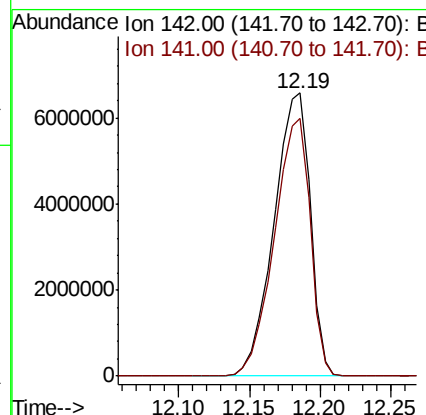
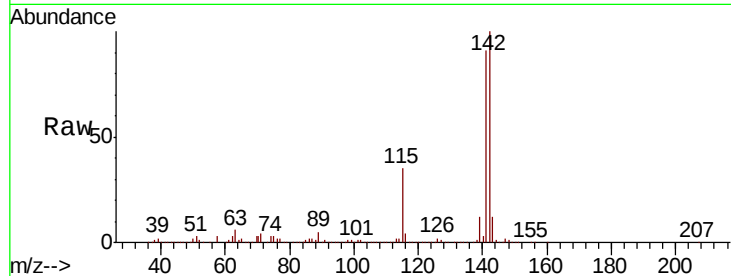
#34
 2-Methylnaphthalene
 Concen: 553.368 ng/ul
 RT: 12.19 min Scan# 1561
 Delta R.T. 0.02 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-070219

Tot Ion:142 Resp:11829125
 Ion Ratio Lower Upper
 142 100
 141 91.1 71.1 106.7

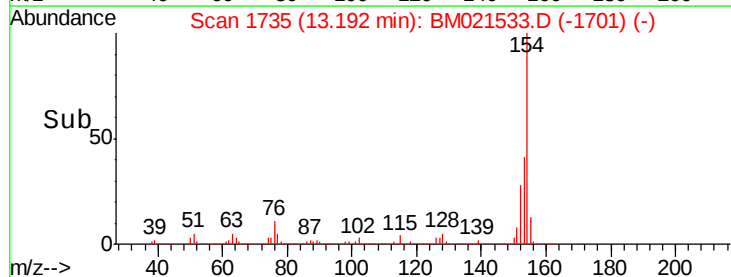
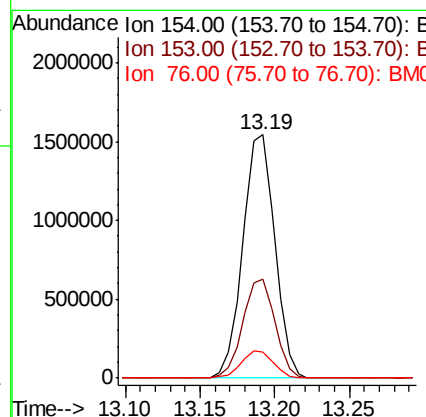
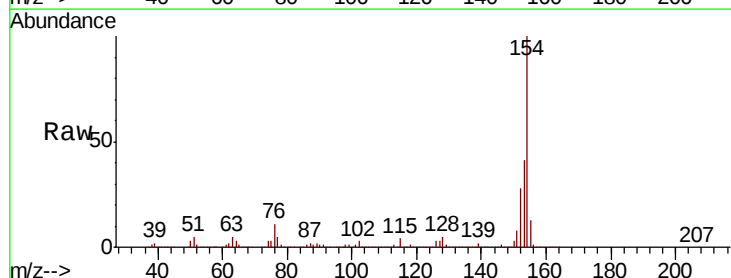
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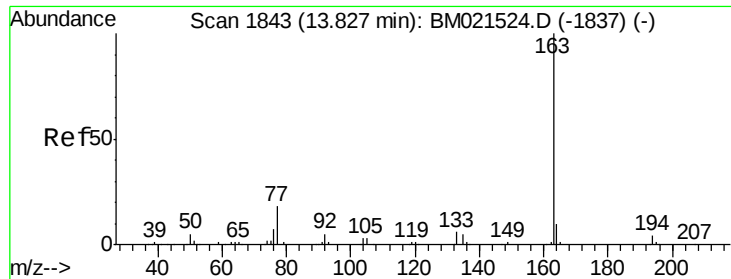
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#40
 1,1'-Biphenyl
 Concen: 80.721 ng/ul
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Tgt Ion:154 Resp: 2302927
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.7 49.1
 76 10.8 8.5 12.7





#44

Dimethylphthalate

Concen: 3.649 ng/ul

RT: 13.83 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM021533.D

Acq: 18 Jul 2019 20:57

Instrument :

BNA_M

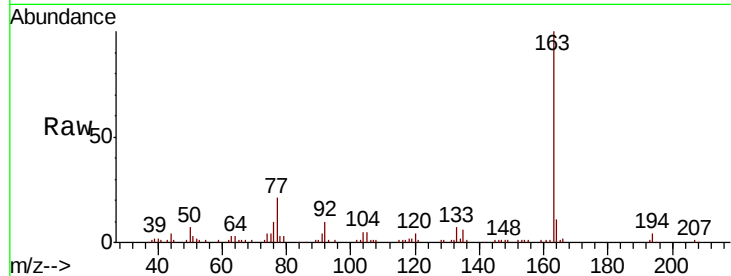
ClientSampleId :

HD-01-070219

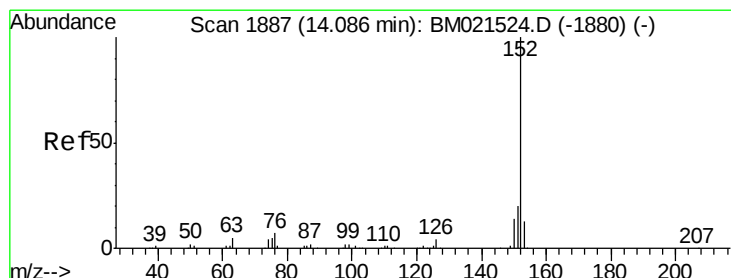
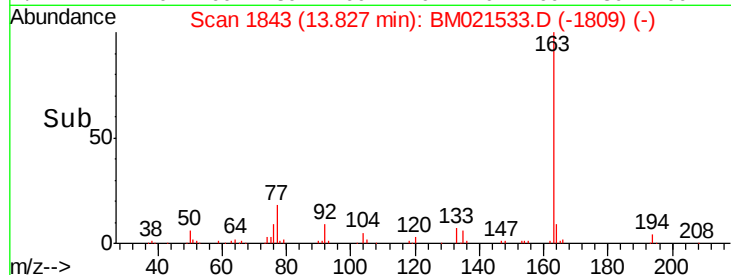
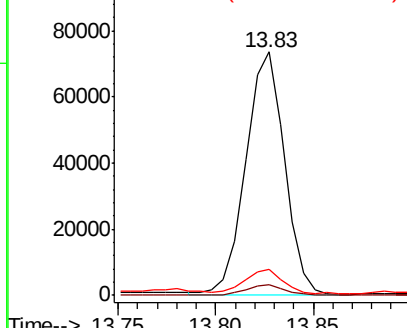
Tot Ion:	163	Resp:	101439
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.6	5.4
164	10.6	8.3	12.5

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



#47

Acenaphthylene

Concen: 12.135 ng/ul

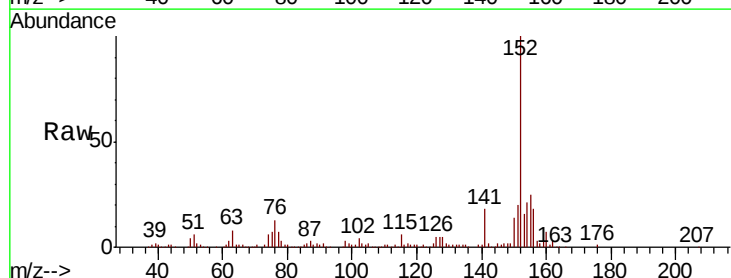
RT: 14.08 min Scan# 1886

Delta R.T. -0.01 min

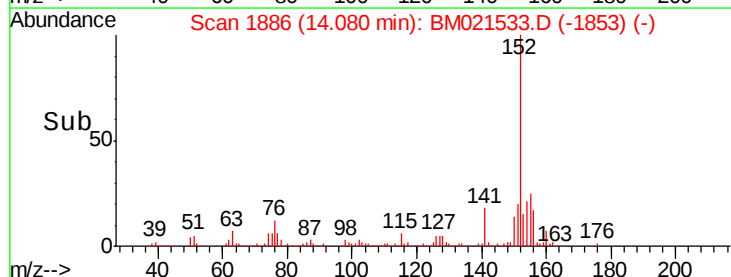
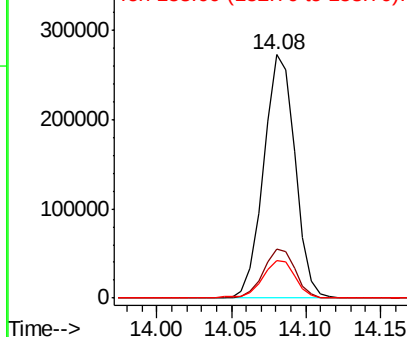
Lab File: BM021533.D

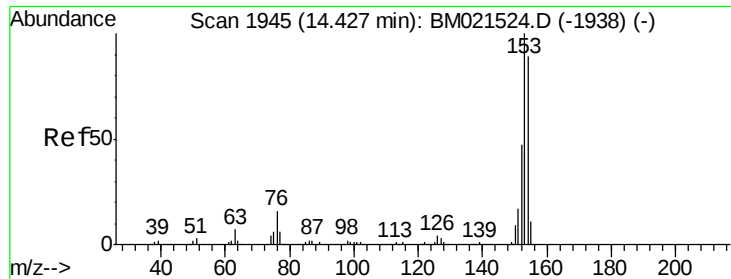
Acq: 18 Jul 2019 20:57

Tgt Ion:	152	Resp:	395728
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.8
153	15.5	10.6	15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 211.615 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BM021533.D

Acq: 18 Jul 2019 20:57

Instrument :

BNA_M

ClientSampleId :

HD-01-070219

Tot Ion:153 Resp: 5014499

Ion Ratio Lower Upper

153 100

152 47.2 38.2 57.4

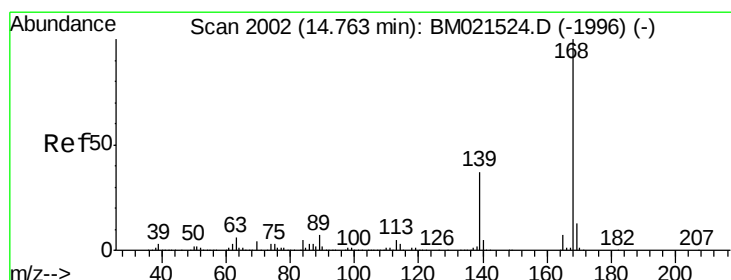
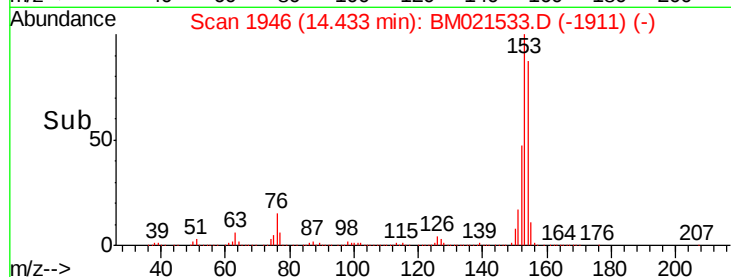
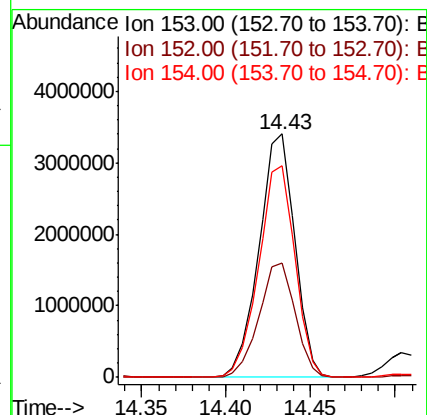
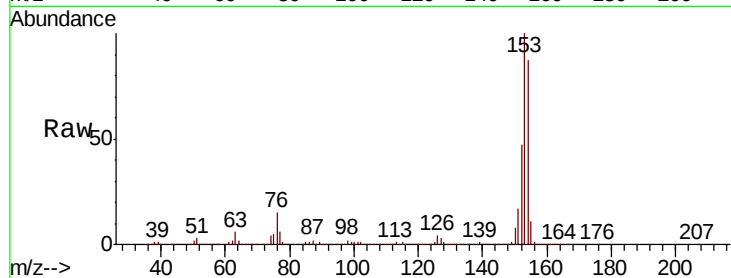
154 86.9 70.0 105.0

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#53

Dibenzofuran

Concen: 141.013 ng/ul

RT: 14.77 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BM021533.D

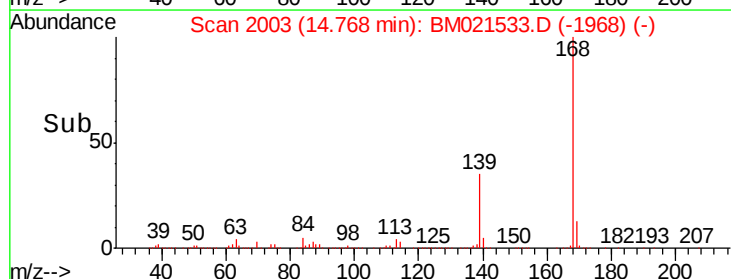
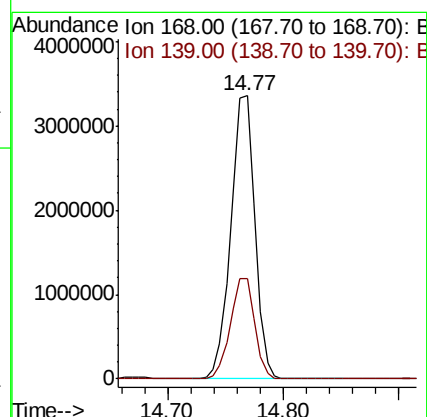
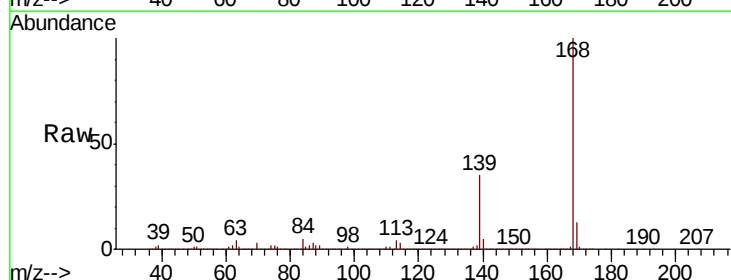
Acq: 18 Jul 2019 20:57

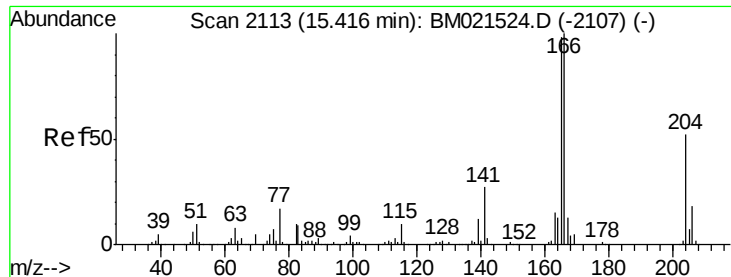
Tgt Ion:168 Resp: 4840508

Ion Ratio Lower Upper

168 100

139 35.3 28.4 42.6





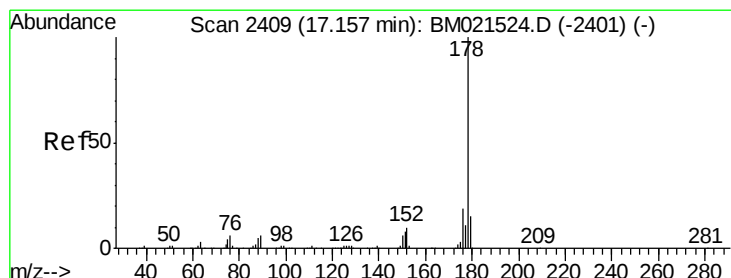
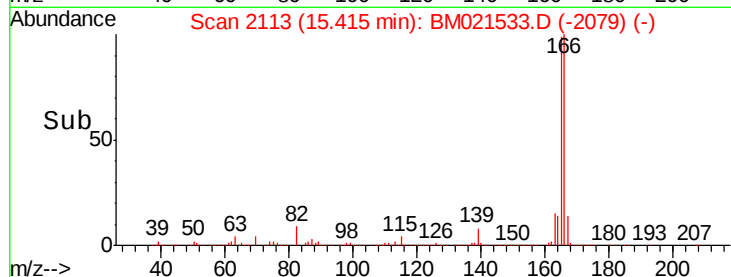
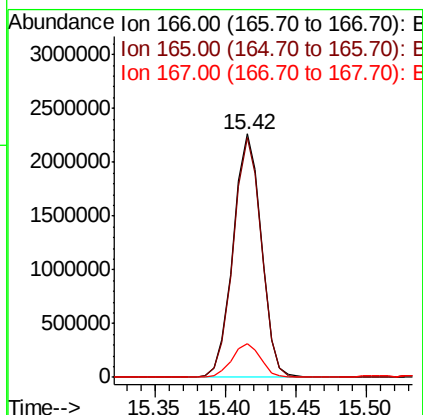
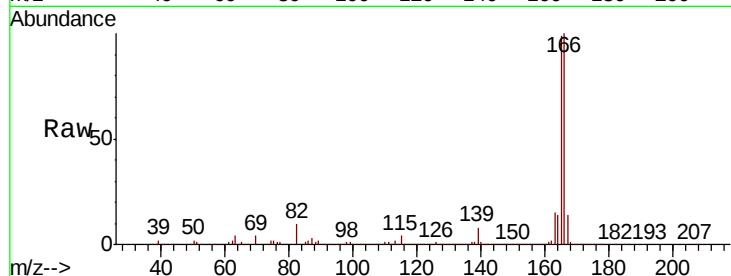
#58
 Fluorene
 Concen: 113.137 ng/ul
 RT: 15.42 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-070219

Tot Ion:166 Resp: 3141978
 Ion Ratio Lower Upper
 166 100
 165 98.7 78.6 117.8
 167 14.0 10.7 16.1

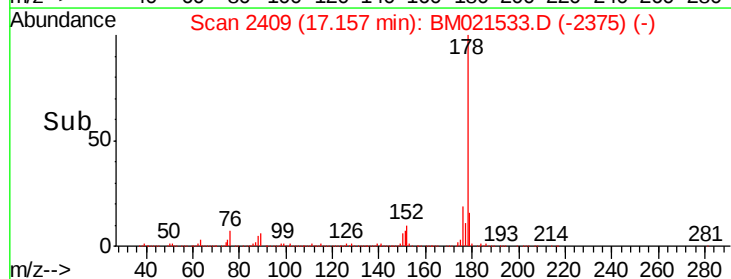
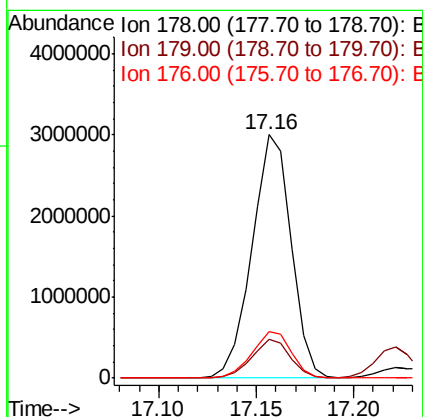
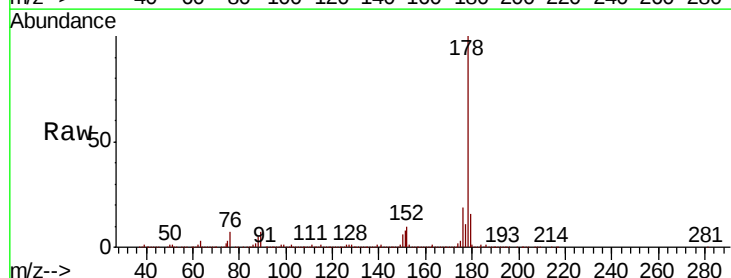
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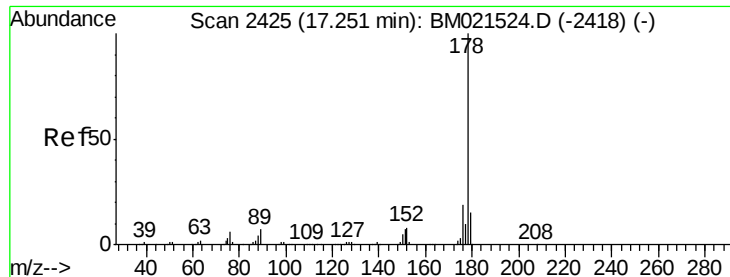
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#69
 Phenanthrene
 Concen: 94.275 ng/ul
 RT: 17.16 min Scan# 2409
 Delta R.T. -0.00 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Tgt Ion:178 Resp: 4163509
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.2 18.2
 176 19.1 15.4 23.0





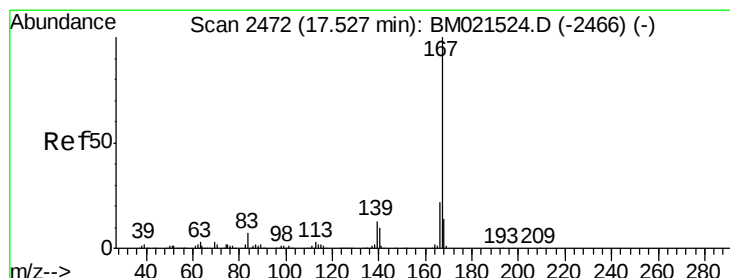
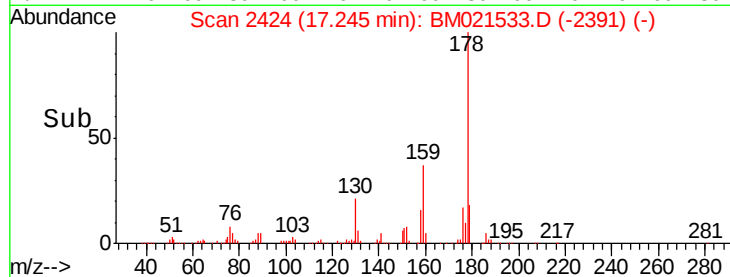
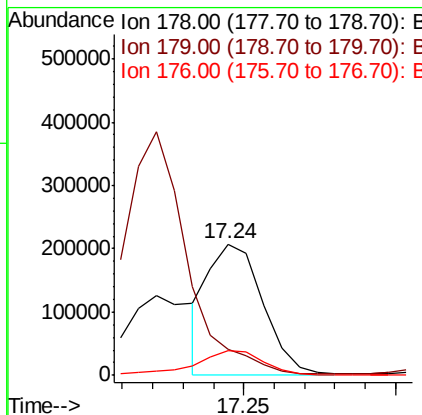
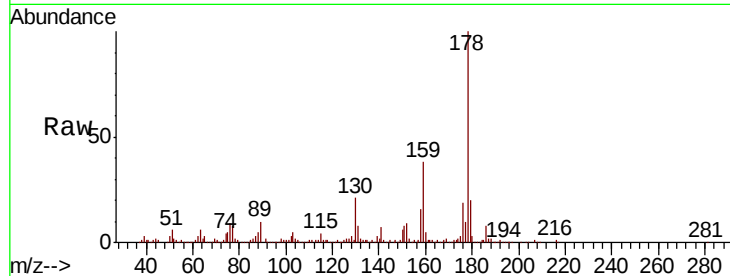
#71
 Anthracene
 Concen: 5.809 ng/ul m
 RT: 17.24 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-070219

Tot Ion	Ratio	Lower	Upper
178	100		
179	20.1	12.2	18.2#
176	18.9	14.9	22.3

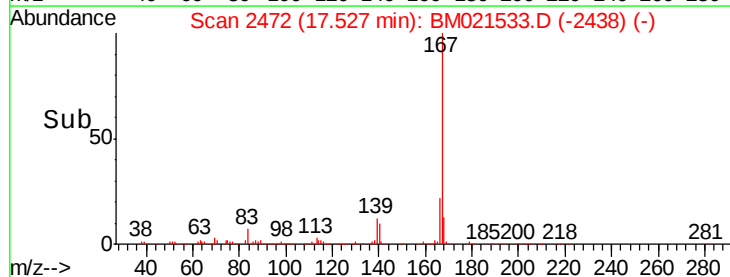
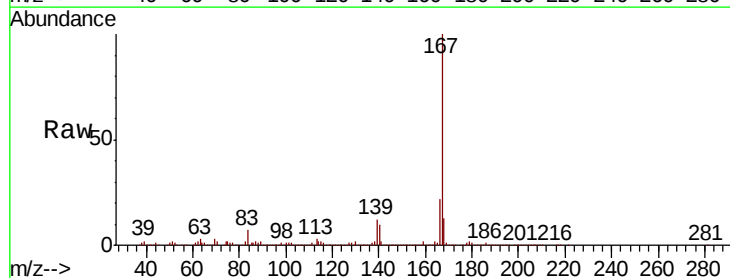
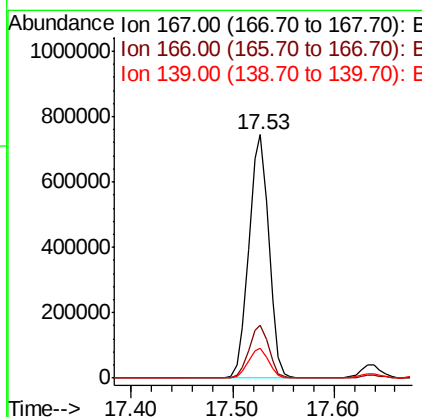
Manual Integrations
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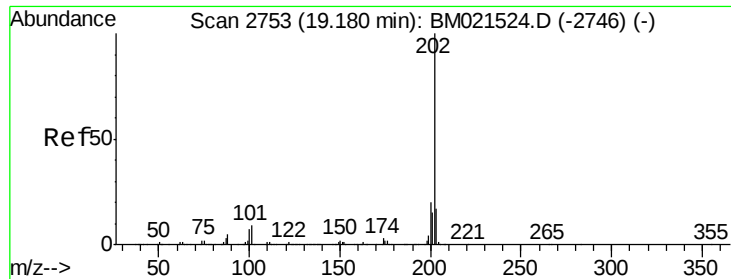
mohammad
 7/25/2019 10:04:50 AM



#74
 Carbazole
 Concen: 27.279 ng/ul
 RT: 17.53 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	12.1	9.7	14.5





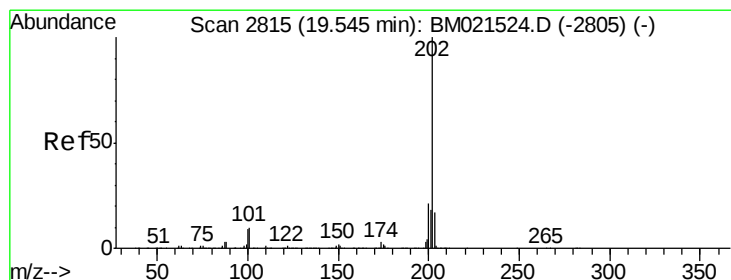
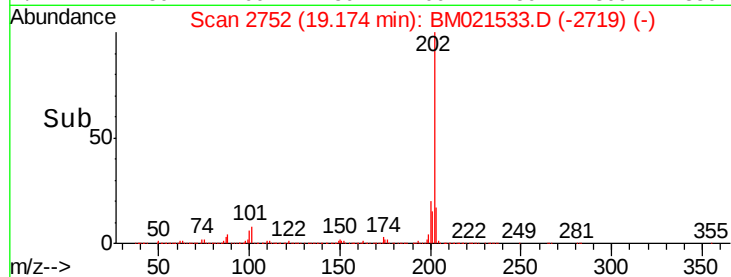
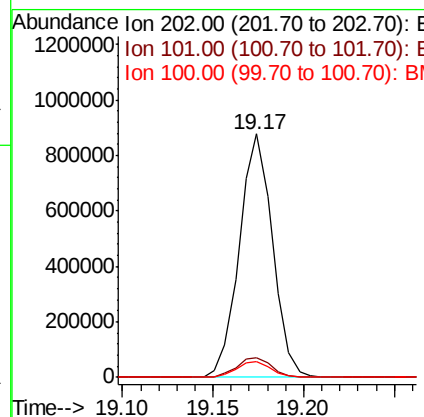
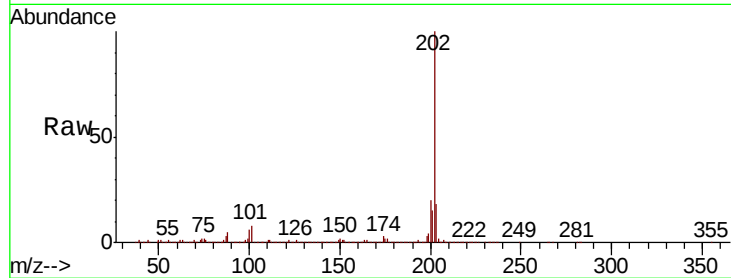
#76
 Fluoranthene
 Concen: 21.209 ng/ul
 RT: 19.17 min Scan# 2752
 Delta R.T. -0.01 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-070219

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	8.2	6.7	10.1		
100	6.4	5.3	7.9		

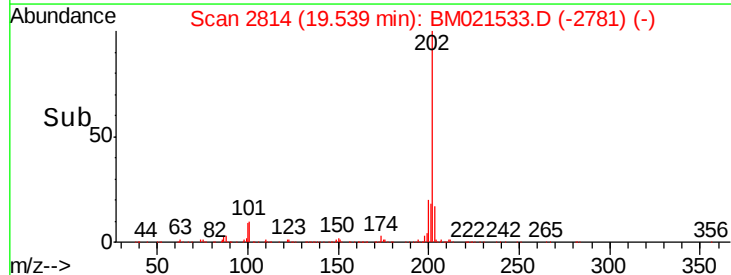
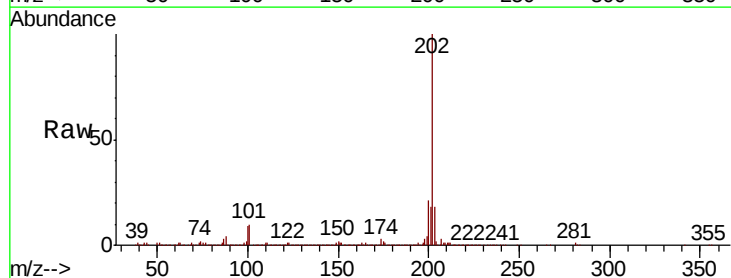
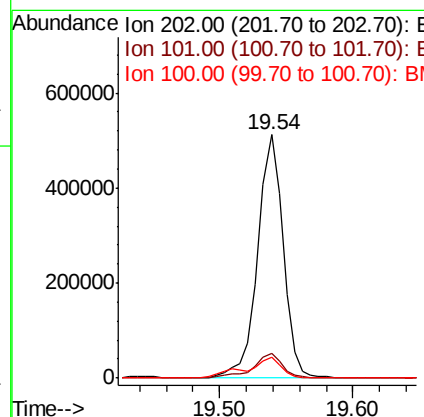
Manual Integrations
 APPROVED

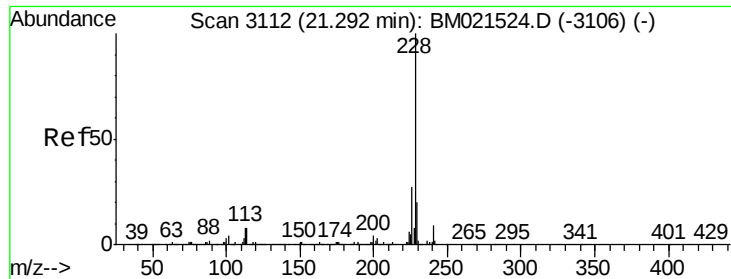
mohammad
 7/25/2019 10:04:50 AM



#79
 Pyrene
 Concen: 12.702 ng/ul
 RT: 19.54 min Scan# 2814
 Delta R.T. -0.01 min
 Lab File: BM021533.D
 Acq: 18 Jul 2019 20:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.1	7.8	11.8		
100	8.7	6.4	9.6		





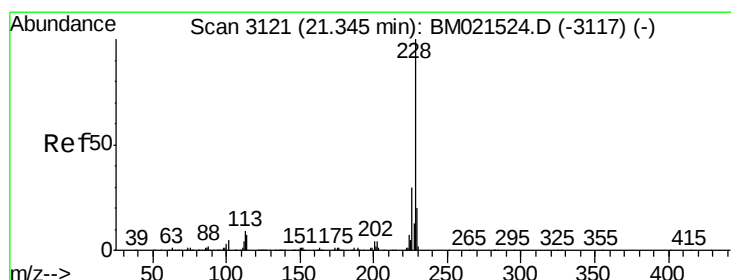
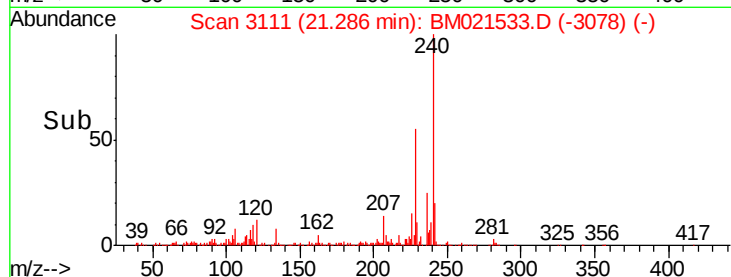
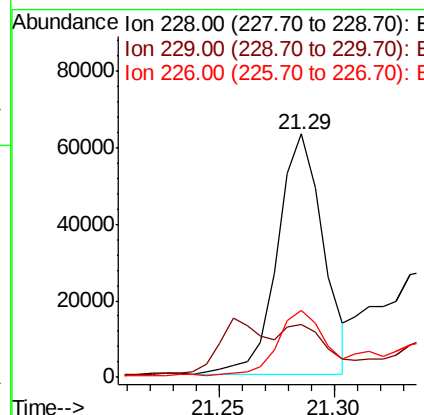
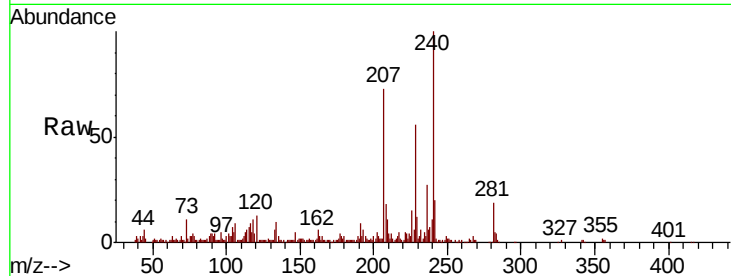
#82
Benzo(a)anthracene
Concen: 1.584 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BM021533.D
Acq: 18 Jul 2019 20:57

Instrument :
BNA_M
ClientSampleId :
HD-01-070219

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.8	23.6
226	27.7	21.5	32.3

Manual Integrations
APPROVED

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7/25/2019 10:04:50 AM



#84
Chrysene
Concen: 1.030 ng/ul m
RT: 21.34 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BM021533.D
Acq: 18 Jul 2019 20:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.8	35.6
229	35.1	15.4	23.0

