

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
 Data File : BM013486.D
 Acq On : 16 Dec 2017 20:44
 Operator : SJ/JU
 Sample : I6776-06DL 30X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F9A58DL

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:11:04 PM

Quant Time: Dec 18 03:54:36 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 03:13:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	207936	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	937668	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	541585	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1186306	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	980433	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	831038	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.86	99	15667	0.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	9423	0.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	12504	0.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	14117	0.92	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	6709m	0.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	7141	0.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	14098	0.86	ng/ul	0.02
29) 4-Chloroaniline-d4	10.61	131	14042	0.93	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	48036	1.00	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	58729	0.99	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	4797m	0.57	ng/ul	0.01
57) Fluorene-d10	15.31	176	43811	1.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	5090	0.68	ng/ul	0.02
70) Anthracene-d10	17.17	188	65941	1.11	ng/ul	0.00
76) Pyrene-d10	19.46	212	65578	1.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	44188	1.04	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.50	128	3484326	72.226	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	940461	25.933	ng/ul	95
40) 1,1'-Biphenyl	13.15	154	324989	7.100	ng/ul	96
47) Acenaphthylene	14.04	152	88725	1.612	ng/ul#	95
49) Acenaphthene	14.39	153	2983000	79.563	ng/ul	98
53) Dibenzofuran	14.72	168	2326953	42.042	ng/ul	99
58) Fluorene	15.37	166	2352882	51.386	ng/ul	97
68) Pentachlorophenol	16.73	266	14466	1.626	ng/ul#	78
69) Phenanthrene	17.12	178	13290329	197.197	ng/ul	94
71) Anthracene	17.20	178	2104930	30.555	ng/ul	99
72) Carbazole	17.47	167	440087	7.427	ng/ul	99
74) Fluoranthene	19.14	202	10452153	126.551	ng/ul#	90
77) Pyrene	19.50	202	6834993	114.750	ng/ul#	90
80) Benzo(a)anthracene	21.24	228	1271928	20.447	ng/ul	98
82) Chrysene	21.30	228	1177236	20.399	ng/ul	99
85) Benzo(b)fluoranthene	22.82	252	634387	11.324	ng/ul#	97
86) Benzo(k)fluoranthene	22.85	252	180974m	3.433	ng/ul	
88) Benzo(a)pyrene	23.38	252	308802	6.136	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.70	276	99208	1.987	ng/ul	98
91) Benzo(g,h,i)perylene	26.39	276	79411	2.016	ng/ul#	93

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

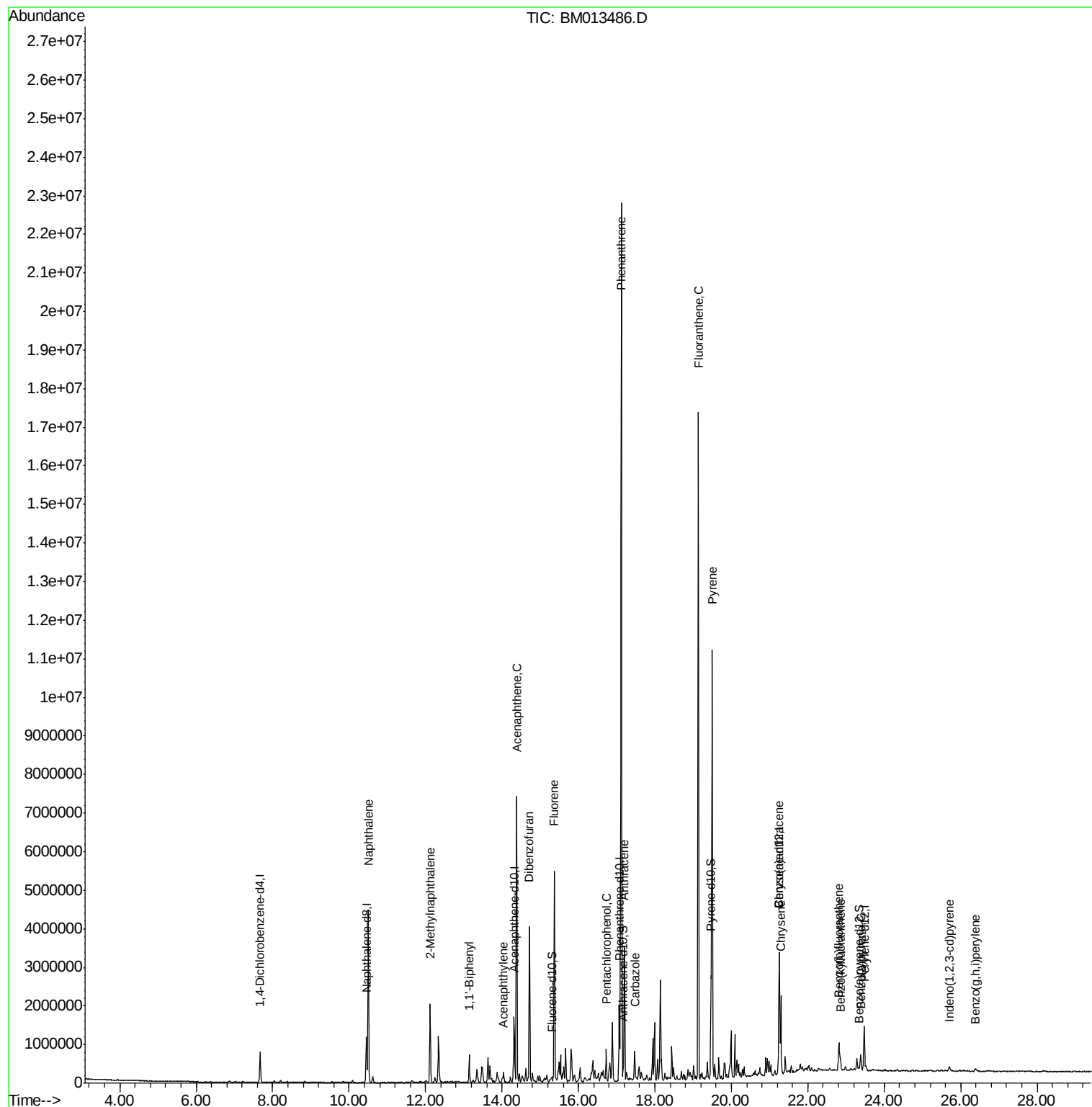
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013486.D
Acq On : 16 Dec 2017 20:44
Operator : SJ/JU
Sample : I6776-06DL 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

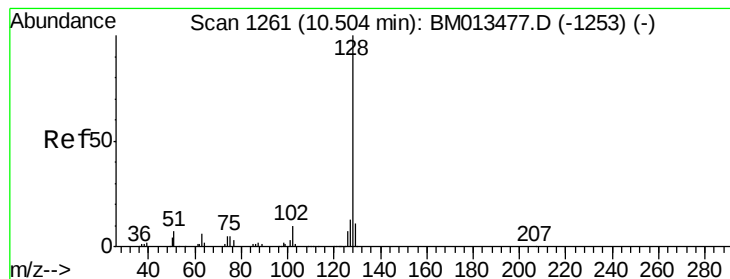
Instrument :
BNA_M
ClientSampleId :
F9A58DL

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Quant Time: Dec 18 03:54:36 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 72.226 ng/ul

RT: 10.50 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BM013486.D

Acq: 16 Dec 2017 20:44

Instrument :

BNA_M

ClientSampleId :

F9A58DL

Tgt Ion:128 Resp: 3484326

Ion Ratio Lower Upper

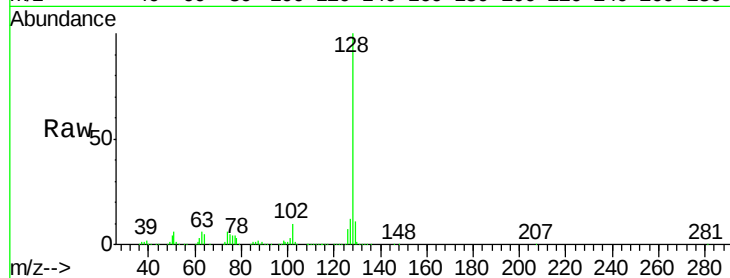
128 100

129 10.8 8.8 13.2

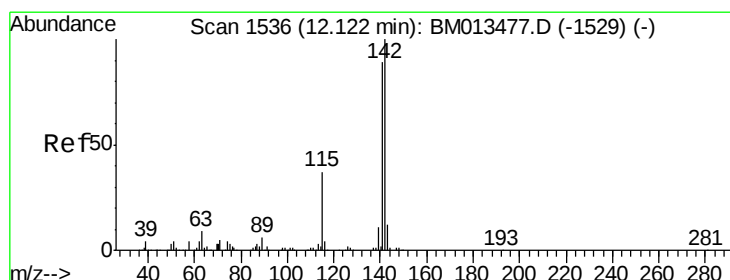
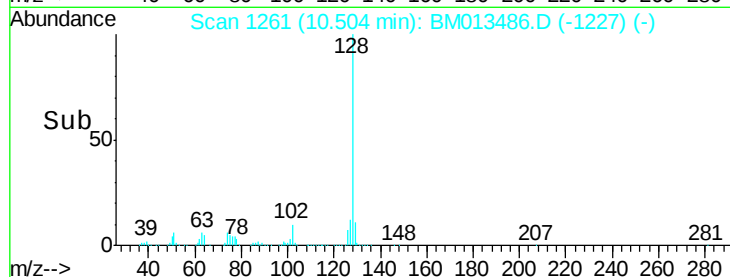
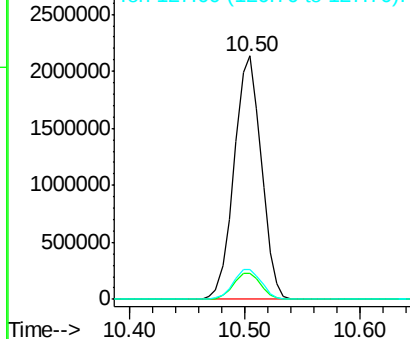
127 12.5 10.6 16.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 25.933 ng/ul

RT: 12.12 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BM013486.D

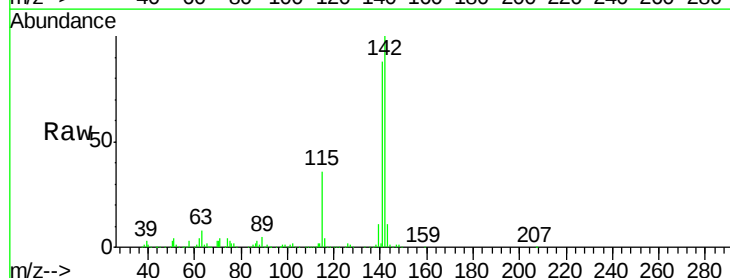
Acq: 16 Dec 2017 20:44

Tgt Ion:142 Resp: 940461

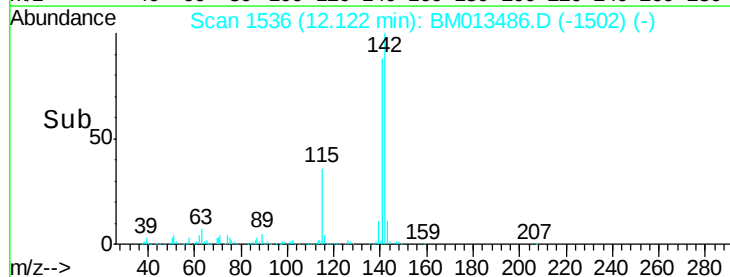
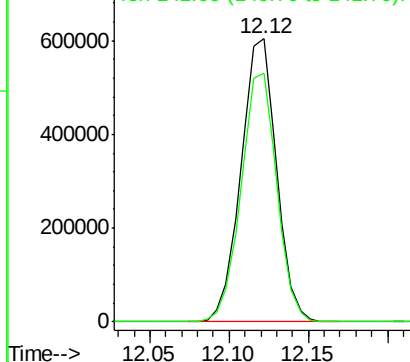
Ion Ratio Lower Upper

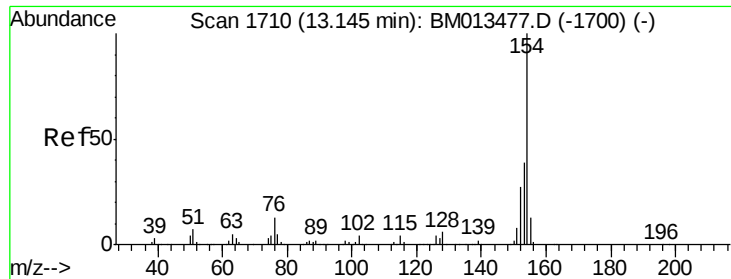
142 100

141 87.7 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





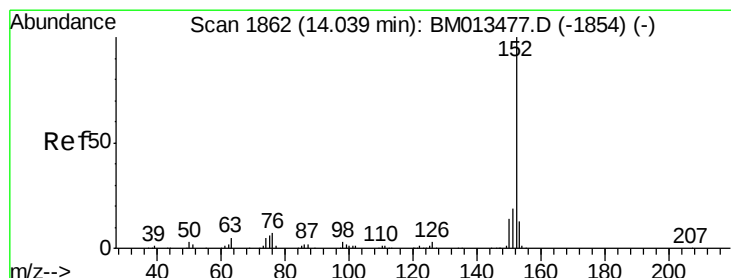
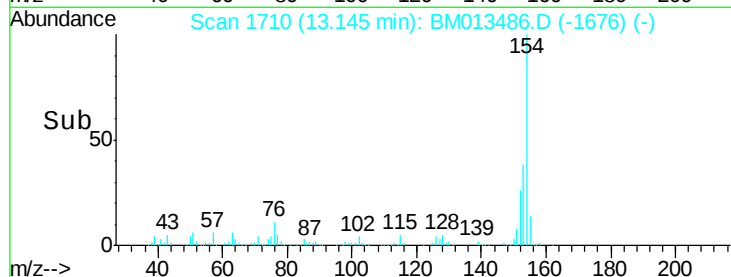
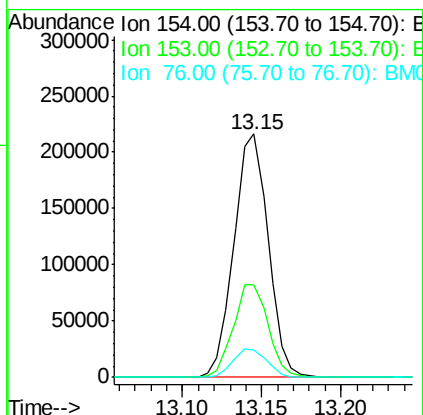
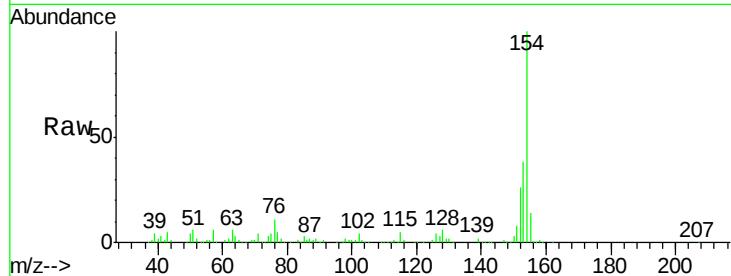
#40
1,1'-Biphenyl
Concen: 7.100 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Instrument :
BNA_M
ClientSampleId :
F9A58DL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	324989		
153	38.1	32.6	48.8	
76	11.1	8.5	12.7	

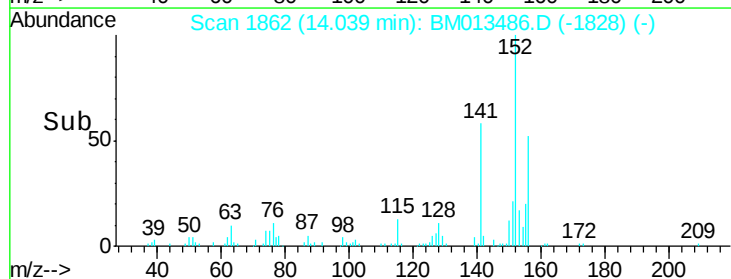
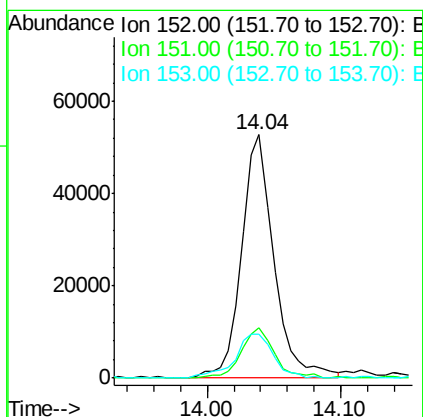
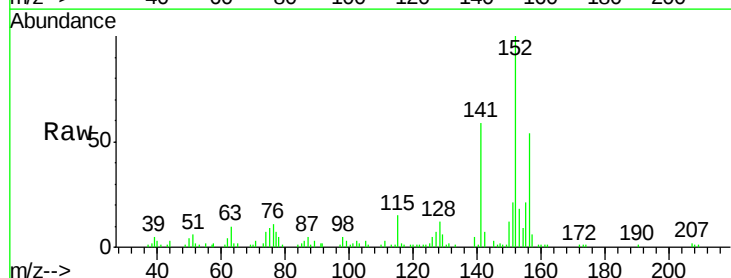
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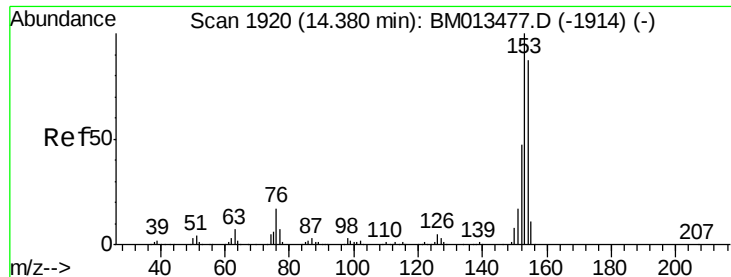
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#47
Acenaphthylene
Concen: 1.612 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	88725		
151	20.7	16.3	24.5	
153	18.0	10.2	15.4	





#49

Acenaphthene

Concen: 79.563 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BM013486.D

Acq: 16 Dec 2017 20:44

Instrument :

BNA_M

ClientSampled :

F9A58DL

Tgt Ion:153 Resp: 2983000

Ion Ratio Lower Upper

153 100

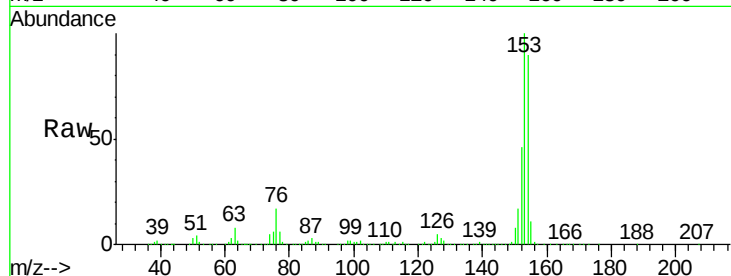
152 46.1 37.6 56.4

154 89.7 70.4 105.6

Manual Integrations
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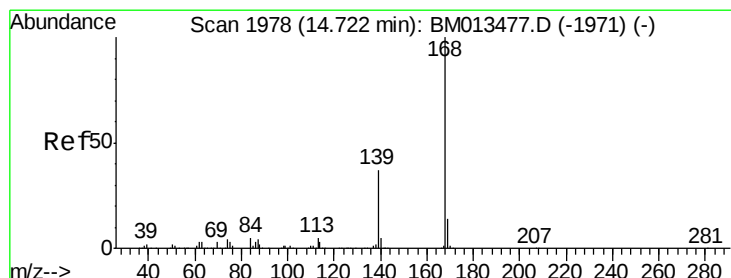
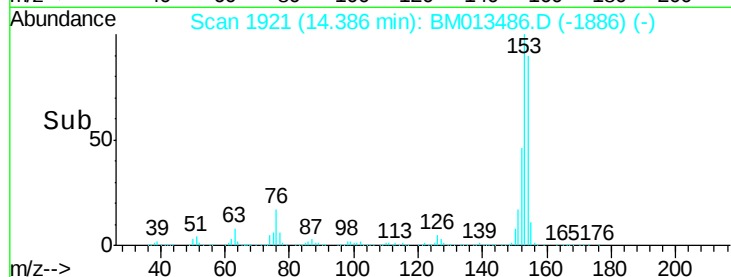
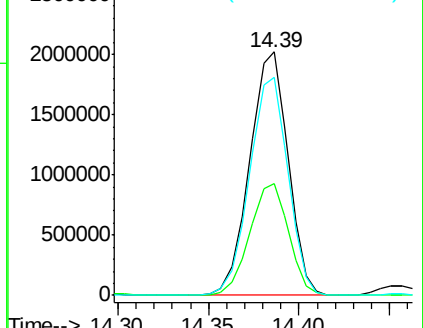
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 42.042 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM013486.D

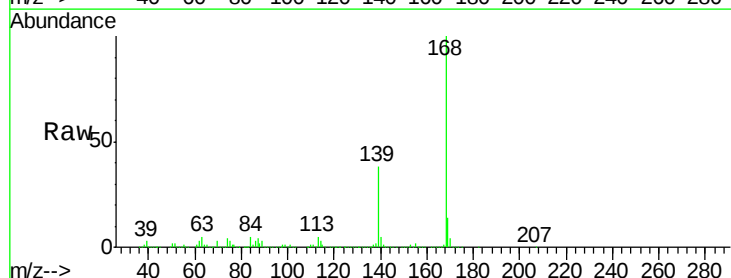
Acq: 16 Dec 2017 20:44

Tgt Ion:168 Resp: 2326953

Ion Ratio Lower Upper

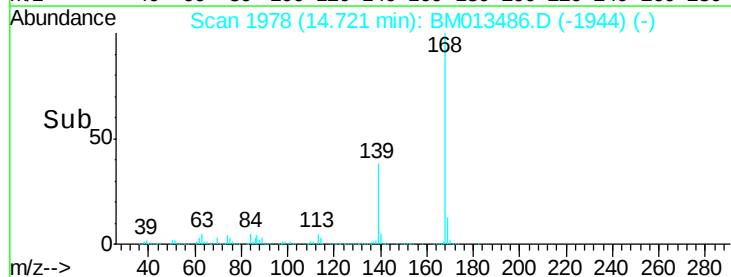
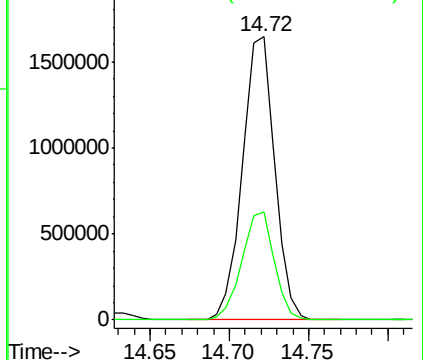
168 100

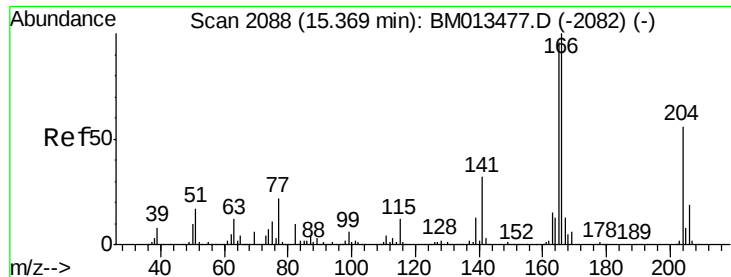
139 38.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 51.386 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013486.D

Acq: 16 Dec 2017 20:44

Instrument :

BNA_M

ClientSampleId :

F9A58DL

Tgt Ion:166 Resp: 2352882

Ion Ratio Lower Upper

166 100

165 94.1 77.9 116.9

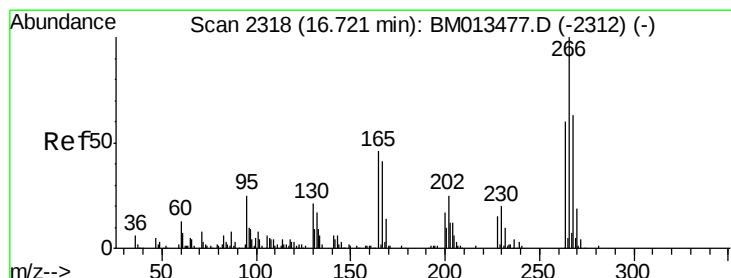
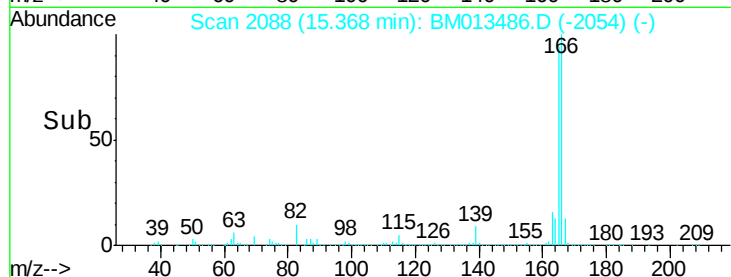
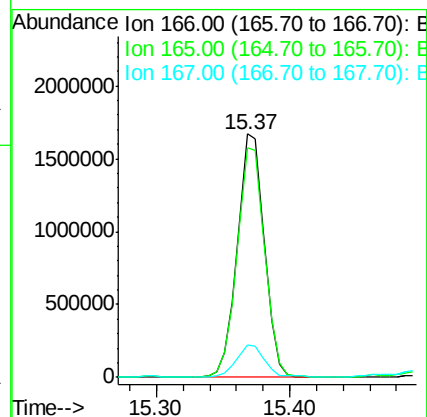
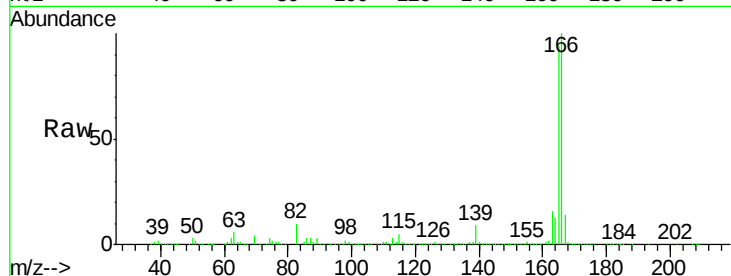
167 13.6 10.6 16.0

Manual Integrations

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#68

Pentachlorophenol

Concen: 1.626 ng/ul

RT: 16.73 min Scan# 2320

Delta R.T. 0.01 min

Lab File: BM013486.D

Acq: 16 Dec 2017 20:44

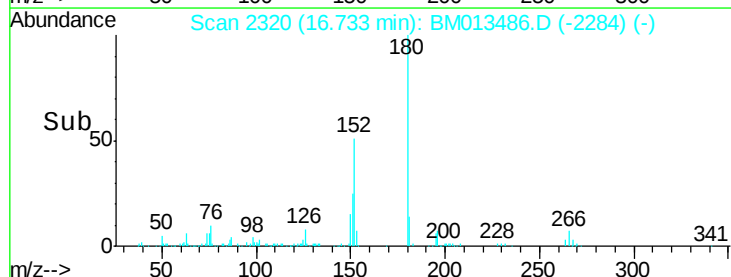
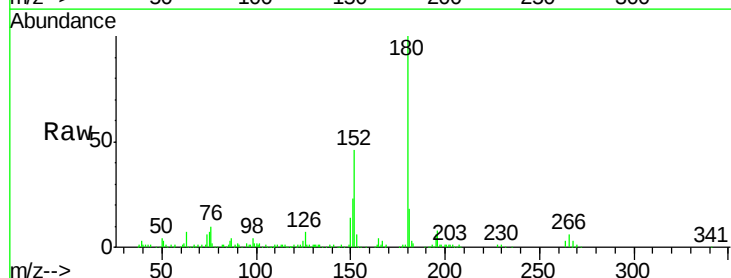
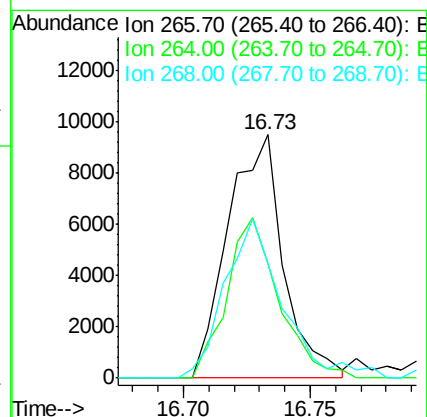
Tgt Ion:266 Resp: 14466

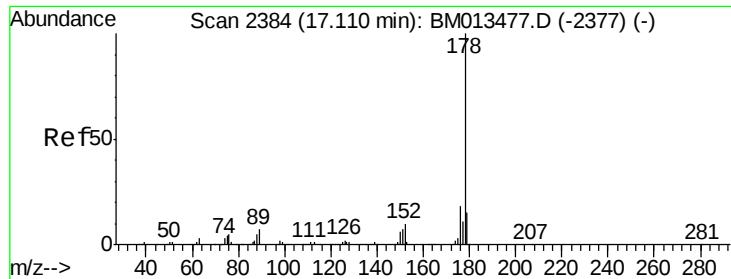
Ion Ratio Lower Upper

266 100

264 46.9 49.3 73.9#

268 46.8 52.6 78.8#





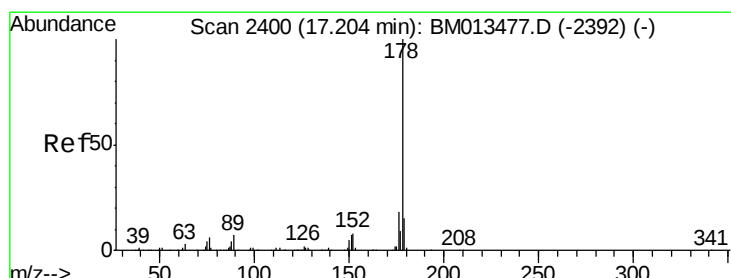
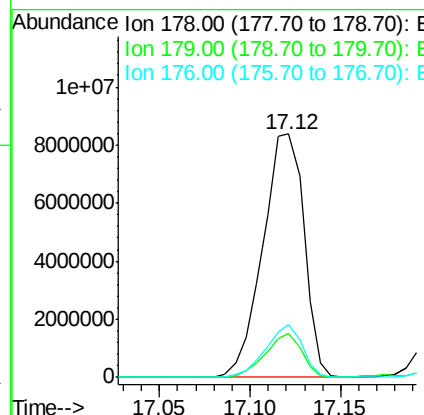
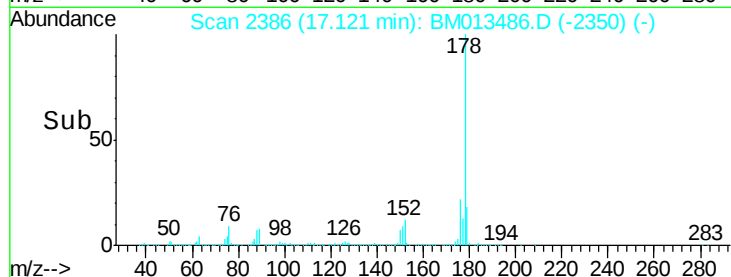
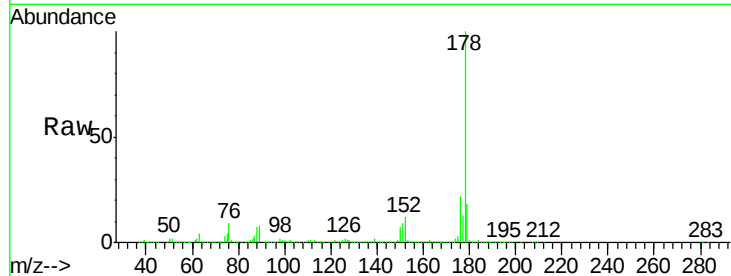
#69
Phenanthrene
Concen: 197.197 ng/ul
RT: 17.12 min Scan# 2386
Delta R.T. 0.01 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Instrument :
BNA_M
ClientSampleId :
F9A58DL

Tgt Ion:178 Resp:13290329
Ion Ratio Lower Upper
178 100
179 17.8 12.6 19.0
176 21.6 14.9 22.3

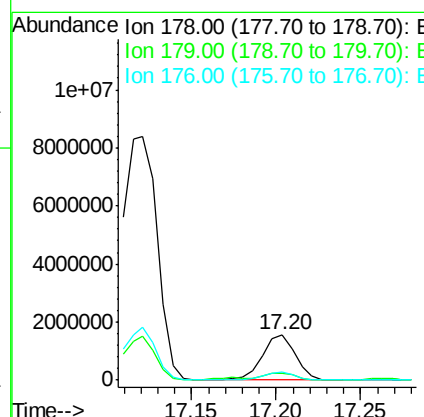
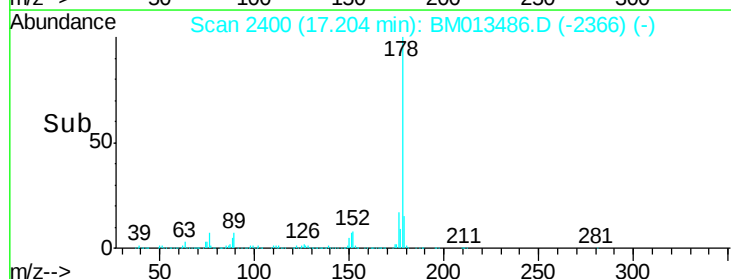
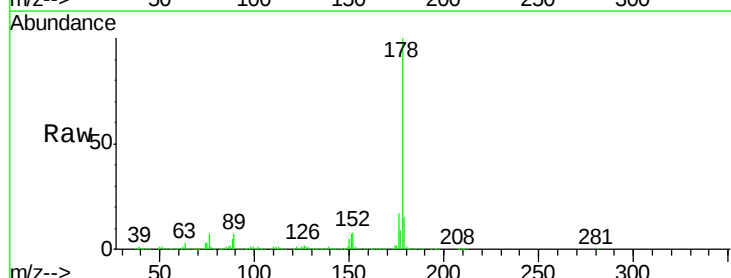
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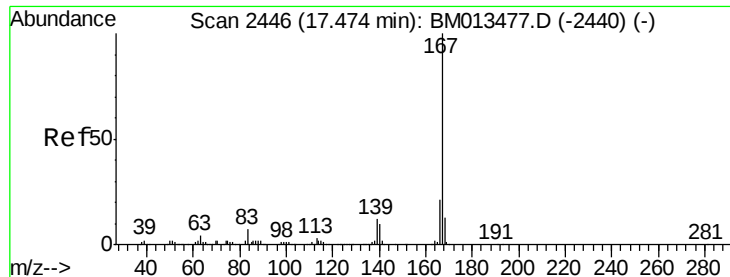
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#71
Anthracene
Concen: 30.555 ng/ul
RT: 17.20 min Scan# 2400
Delta R.T. -0.00 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Tgt Ion:178 Resp: 2104930
Ion Ratio Lower Upper
178 100
179 14.8 11.7 17.5
176 17.4 14.6 21.8





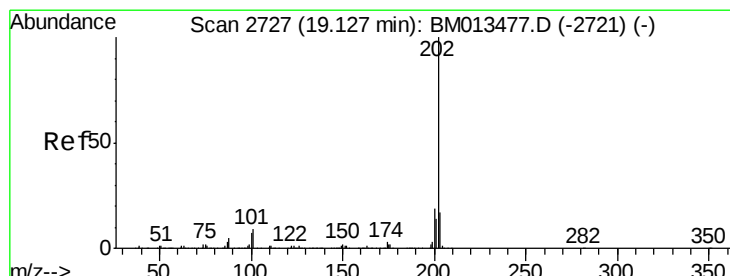
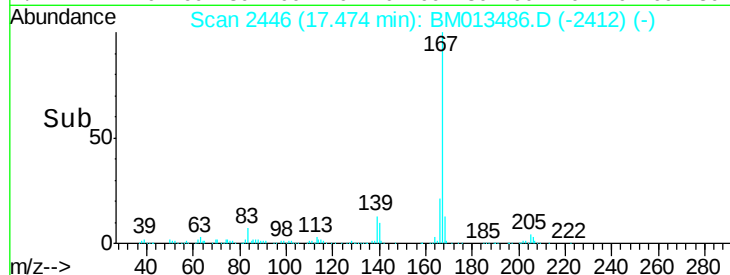
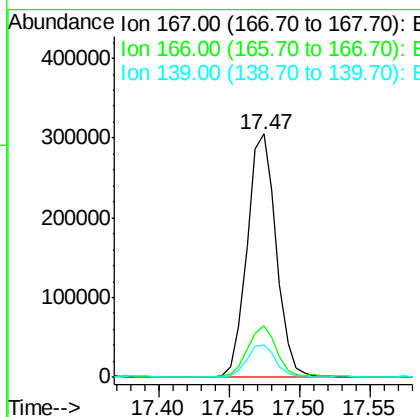
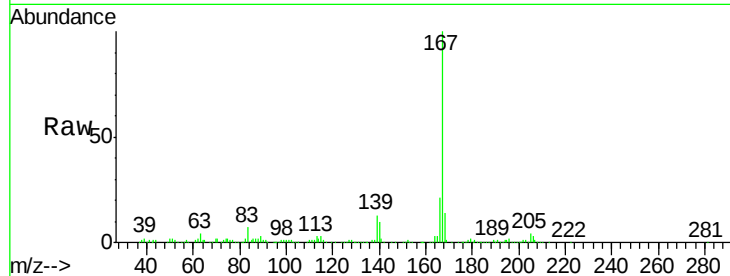
#72
 Carbazole
 Concen: 7.427 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013486.D
 Acq: 16 Dec 2017 20:44

Instrument :
 BNA_M
 ClientSampleId :
 F9A58DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	13.3	10.0	15.0

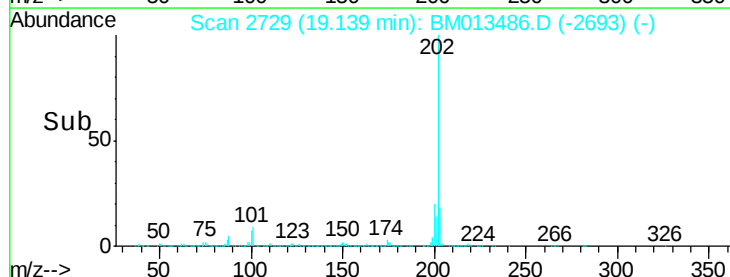
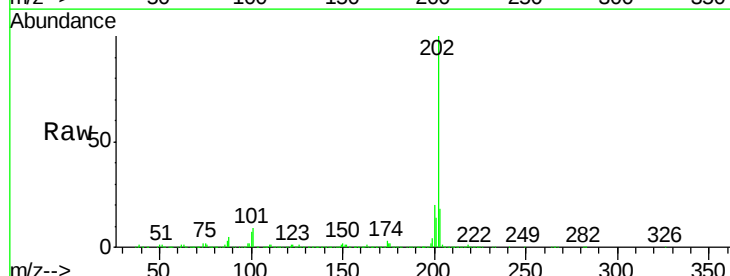
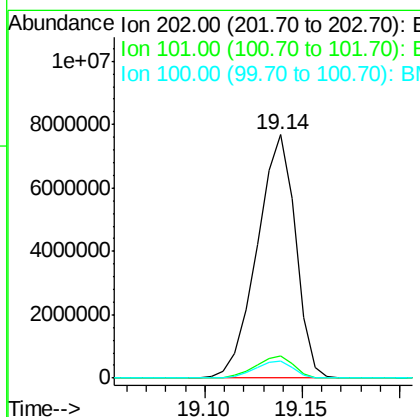
Manual Integrations
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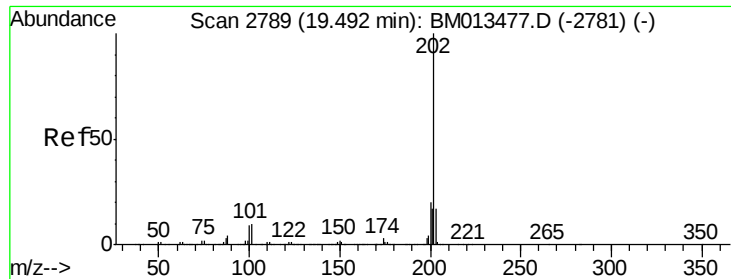
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#74
 Fluoranthene
 Concen: 126.551 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.01 min
 Lab File: BM013486.D
 Acq: 16 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	4.6	7.0#
100	7.1	3.4	5.2#





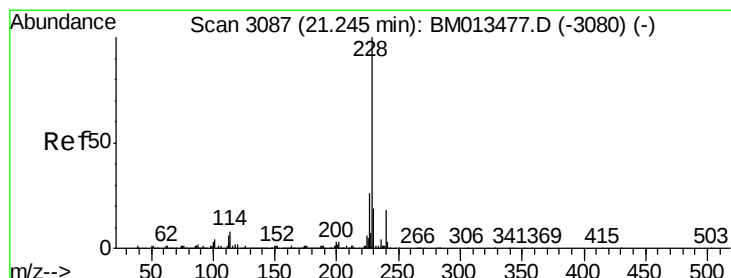
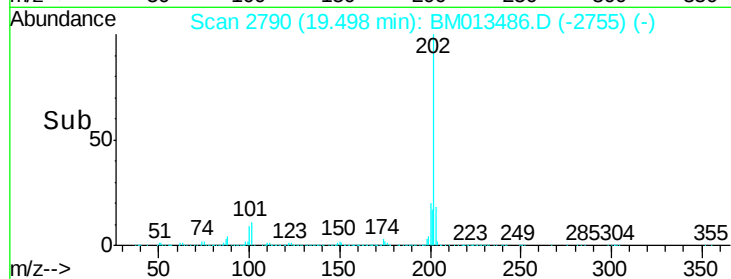
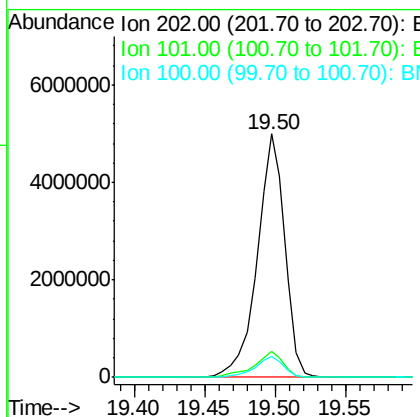
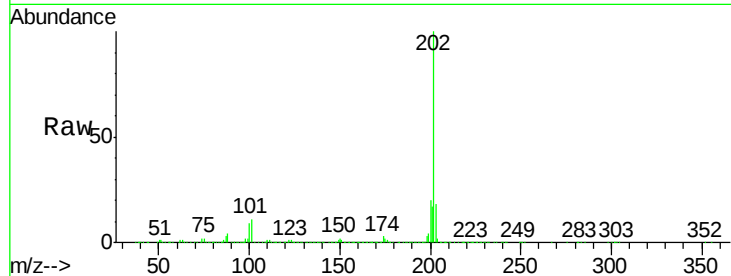
#77
 Pyrene
 Concen: 114.750 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.01 min
 Lab File: BM013486.D
 Acq: 16 Dec 2017 20:44

Instrument :
 BNA_M
 ClientSampleId :
 F9A58DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	5.1	7.7#
100	8.7	4.9	7.3#

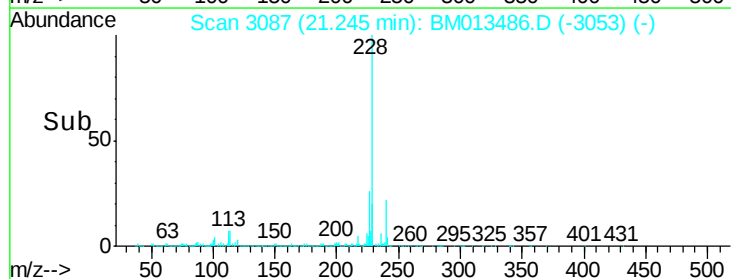
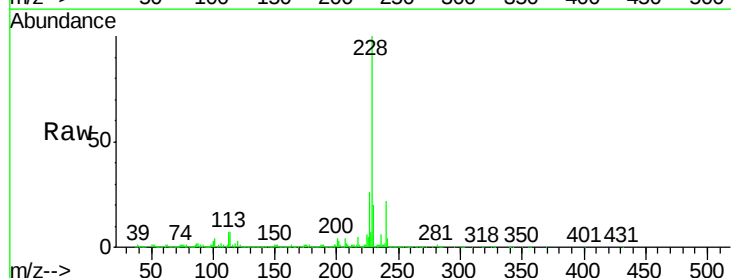
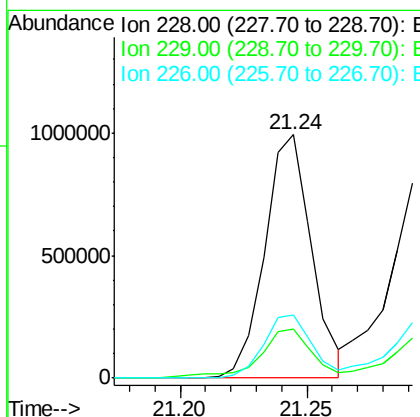
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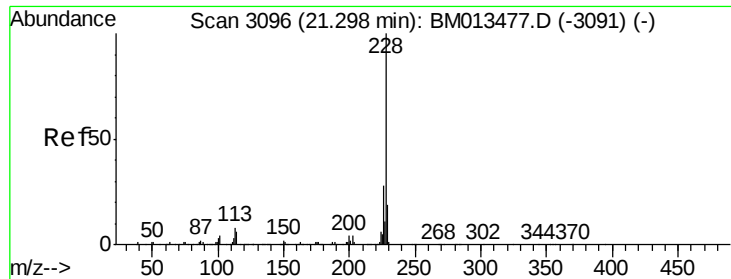
Sohil
 12/18/2017 2:11:04 PM



#80
 Benzo(a)anthracene
 Concen: 20.447 ng/ul
 RT: 21.24 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: BM013486.D
 Acq: 16 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	25.8	21.4	32.0





#82

Chrysene

Concen: 20.399 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013486.D

Acq: 16 Dec 2017 20:44

Instrument :

BNA_M

ClientSampled :

F9A58DL

Tgt Ion:228 Resp: 1177236

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

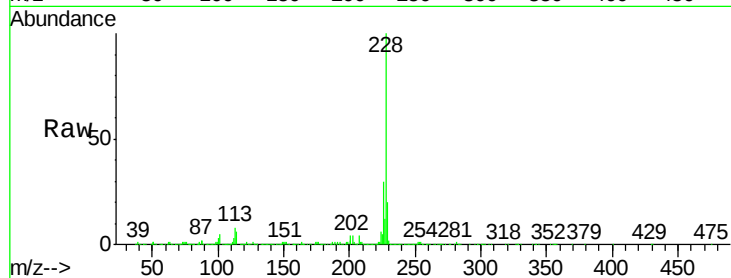
229 20.0 15.5 23.3

Manual Integrations

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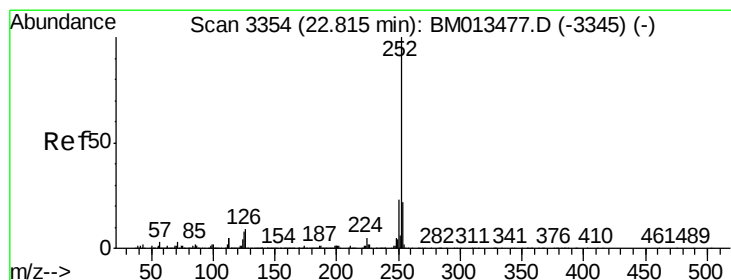
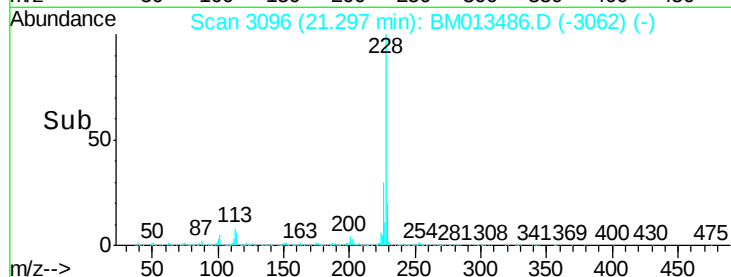
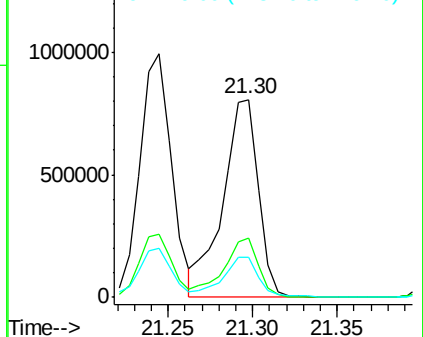
12/18/2017 2:11:04 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 11.324 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BM013486.D

Acq: 16 Dec 2017 20:44

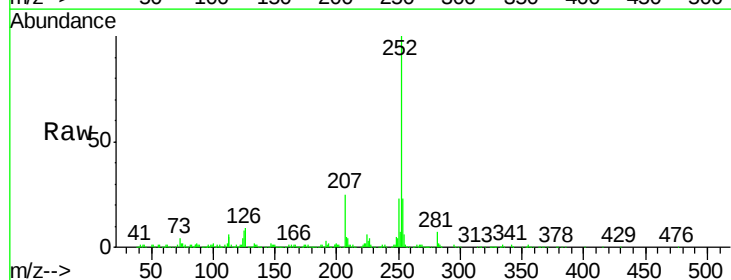
Tgt Ion:252 Resp: 634387

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

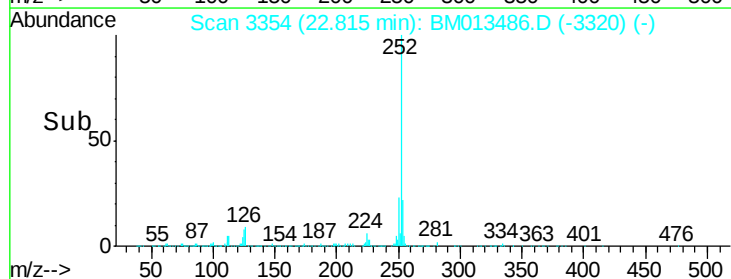
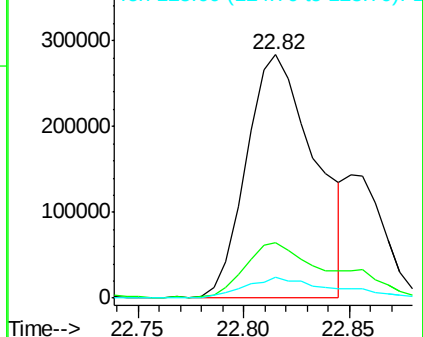
125 8.5 3.6 5.4#

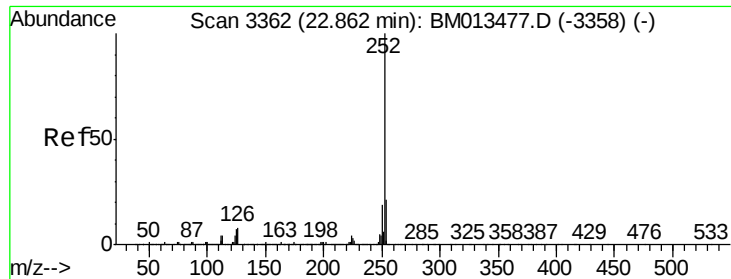


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





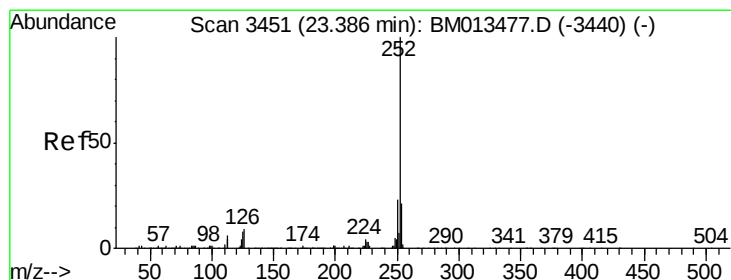
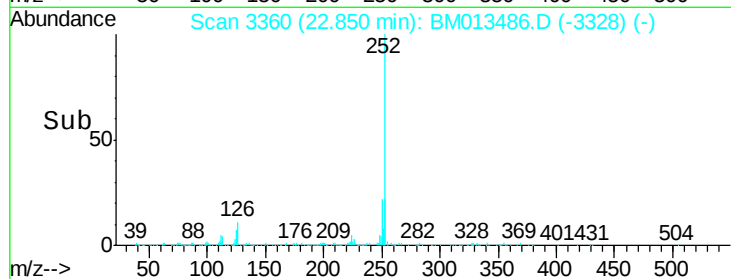
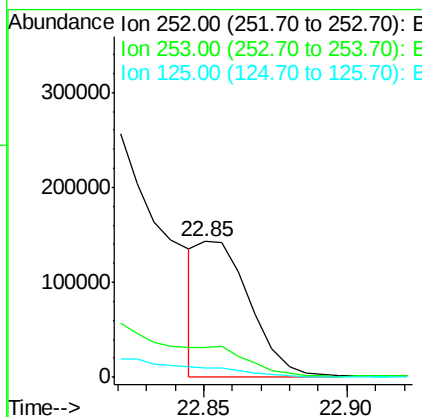
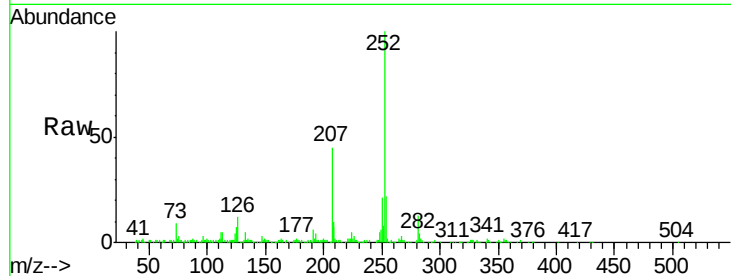
#86
Benzo(k)fluoranthene
Concen: 3.433 ng/ul m
RT: 22.85 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Instrument :
BNA_M
ClientSampleId :
F9A58DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	7.2	3.4	5.2

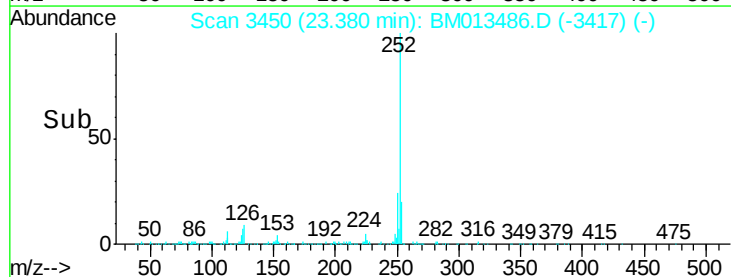
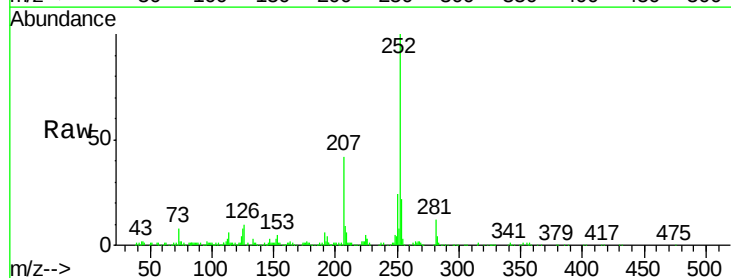
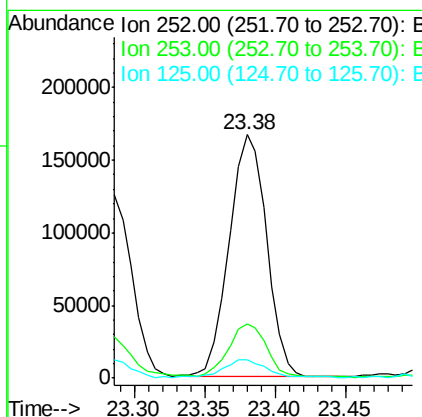
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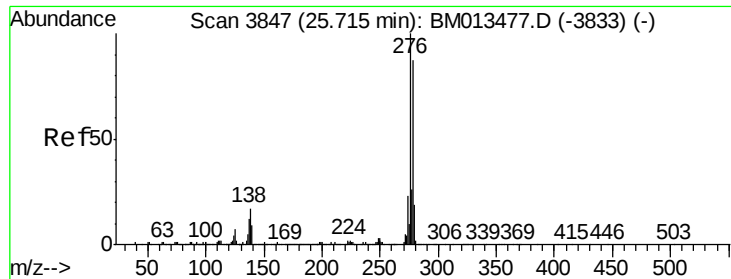
Sohil
12/18/2017 2:11:04 PM



#88
Benzo(a)pyrene
Concen: 6.136 ng/ul
RT: 23.38 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	7.5	4.0	6.0





#89

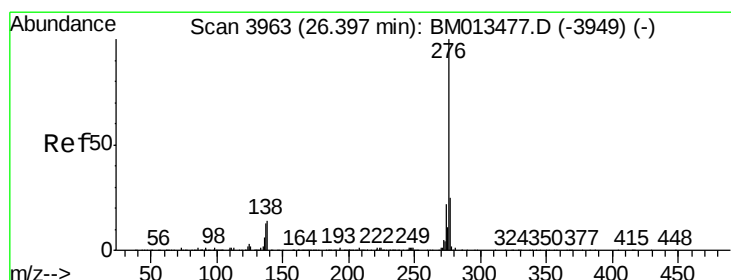
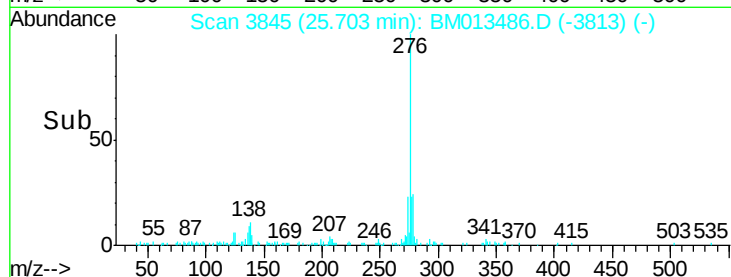
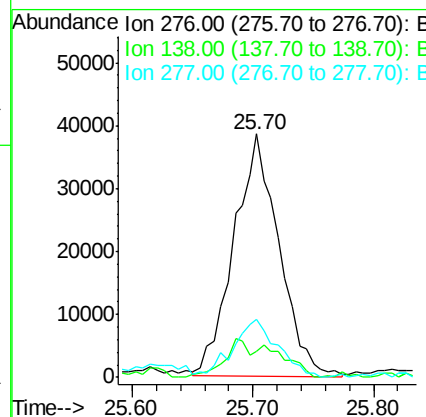
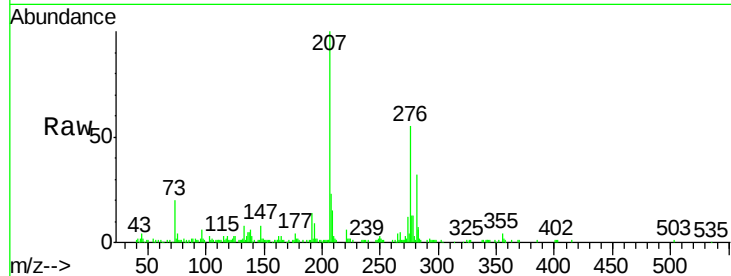
Indeno(1,2,3-cd)pyrene
Concen: 1.987 ng/ul
RT: 25.70 min Scan# 3845
Delta R.T. -0.01 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Instrument :
BNA_M
ClientSampled :
F9A58DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.7	9.3	13.9
277	23.7	19.9	29.9

Manual Integrations
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12/18/2017 2:11:04 PM



#91

Benzo(g,h,i)perylene
Concen: 2.016 ng/ul
RT: 26.39 min Scan# 3962
Delta R.T. -0.01 min
Lab File: BM013486.D
Acq: 16 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.2	8.5	12.7#
277	23.8	18.6	28.0

