

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\
 Data File : BM013805.D
 Acq On : 25 Jan 2018 14:50
 Operator : SJ/JU
 Sample : J1223-10 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A76

Manual Integrations
 APPROVED

Sohil
 1/26/2018 4:02:19 PM

Quant Time: Jan 29 03:35:34 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 16:56:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	119597	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	460017	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	288157	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	559118	20.00	ng/ul	0.02
75) Chrysene-d12	21.20	240	592657	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	601445	20.00	ng/ul	0.00

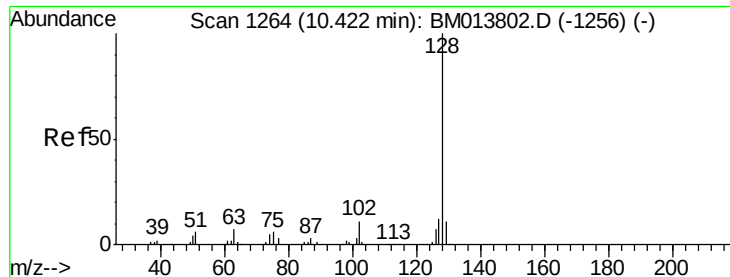
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	2026	0.67	ng/uL	0.00
5) Phenol-d5	6.79	99	40756	4.44	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	40970	7.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	35986	4.81	ng/ul	0.01
13) 4-Methylphenol-d8	8.32	113	33351	4.73	ng/ul	0.01
19) Nitrobenzene-d5	8.76	128	20623	5.78	ng/ul	0.01
22) 2-Nitrophenol-d4	9.47	143	19669	5.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	36600	5.02	ng/ul	0.01
29) 4-Chloroaniline-d4	10.53	131	14841m	2.35	ng/ul	0.01
43) Dimethylphthalate-d6	13.67	166	126047	5.31	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	139466	4.60	ng/ul	0.01
51) 4-Nitrophenol-d4	14.49	143	2325	0.60	ng/ul	0.02
57) Fluorene-d10	15.25	176	99750	4.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	12993m	3.86	ng/ul	0.03
70) Anthracene-d10	17.12	188	149699	5.50	ng/ul	0.02
76) Pyrene-d10	19.41	212	177257	6.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	154682	5.60	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.43	128	15139491	661.524	ng/ul	99
34) 2-Methylnaphthalene	12.06	142	8680445	508.735	ng/ul	94
40) 1,1'-Biphenyl	13.08	154	3441310	143.471	ng/ul	98
49) Acenaphthene	14.33	153	12729099	663.285	ng/ul	98
53) Dibenzofuran	14.67	168	11180822	387.275	ng/ul	99
58) Fluorene	15.32	166	9167810	387.657	ng/ul	98
64) N-Nitrosodiphenylamine	15.52	169	169705	10.320	ng/ul#	76
68) Pentachlorophenol	16.68	266	2990280	791.640	ng/ul	98
69) Phenanthrene	17.06	178	24422263m	785.810	ng/ul	
71) Anthracene	17.15	178	5065977	158.033	ng/ul	99
72) Carbazole	17.42	167	1144685	43.259	ng/ul	99
74) Fluoranthene	19.08	202	17067589m	460.061	ng/ul	
77) Pyrene	19.45	202	14219200	394.656	ng/ul#	89
80) Benzo(a)anthracene	21.19	228	2247479	62.759	ng/ul	99
82) Chrysene	21.24	228	1788526	54.441	ng/ul	97
85) Benzo(b)fluoranthene	22.74	252	790923	21.413	ng/ul#	96
86) Benzo(k)fluoranthene	22.78	252	328396m	9.198	ng/ul	
88) Benzo(a)pyrene	23.30	252	459584	13.171	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.59	276	135219	3.283	ng/ul#	94
91) Benzo(g,h,i)perylene	26.26	276	91171m	2.689	ng/ul	

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



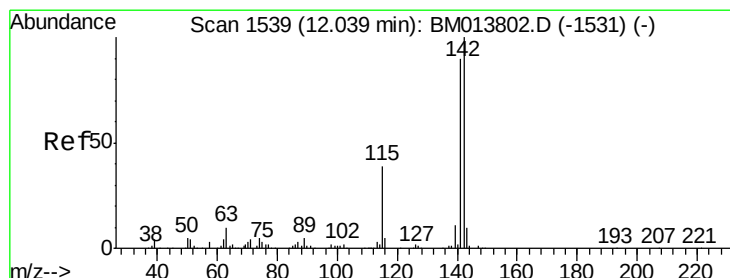
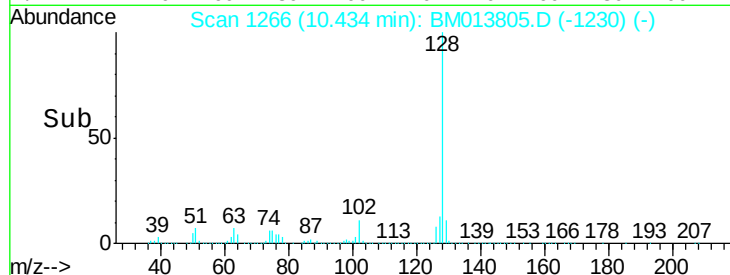
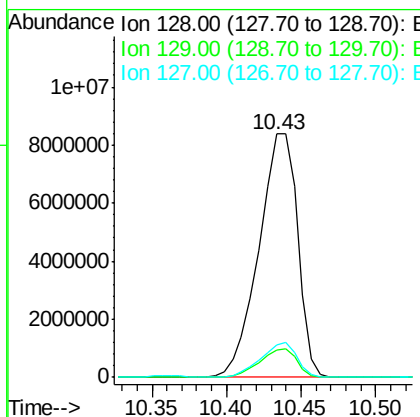
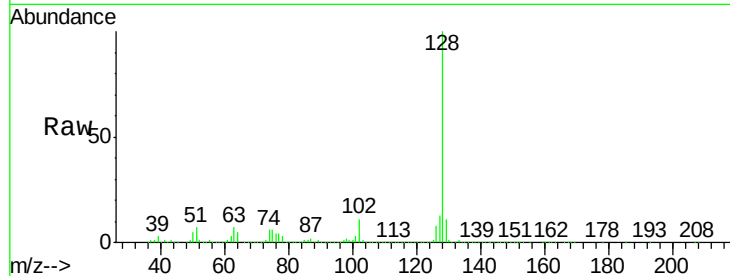
#28
Naphthalene
Concen: 661.524 ng/ul
RT: 10.43 min Scan# 1266
Delta R.T. 0.01 min
Lab File: BM013805.D
Acq: 25 Jan 2018 14:50

Instrument :
BNA_M
ClientSampled :
F6A76

Tot Ion:128 Resp:15139491
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.4 10.6 16.0

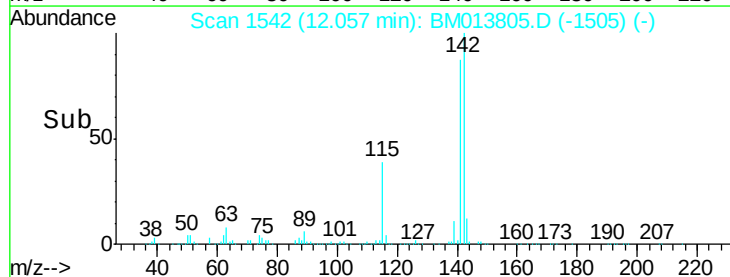
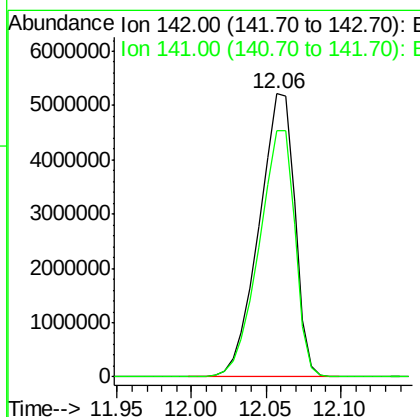
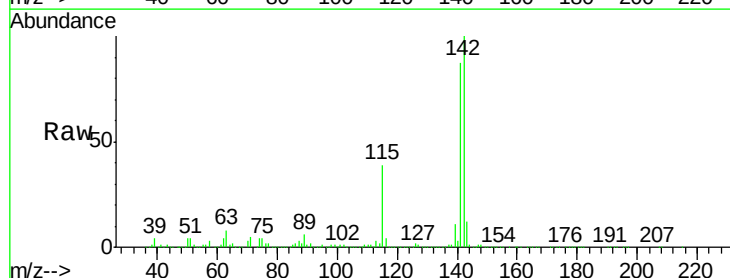
Manual Integrations
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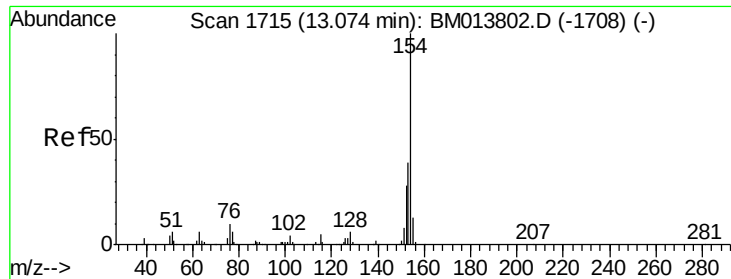
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#34
2-Methylnaphthalene
Concen: 508.735 ng/ul
RT: 12.06 min Scan# 1542
Delta R.T. 0.02 min
Lab File: BM013805.D
Acq: 25 Jan 2018 14:50

Tgt Ion:142 Resp: 8680445
Ion Ratio Lower Upper
142 100
141 86.9 74.1 111.1





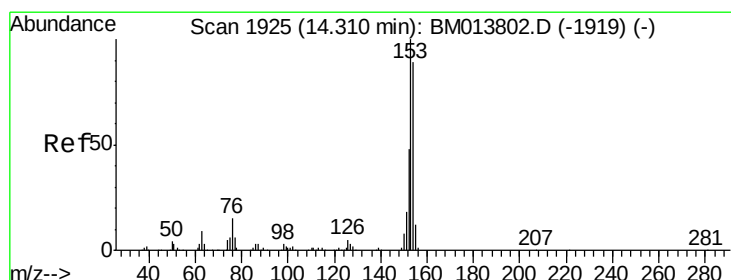
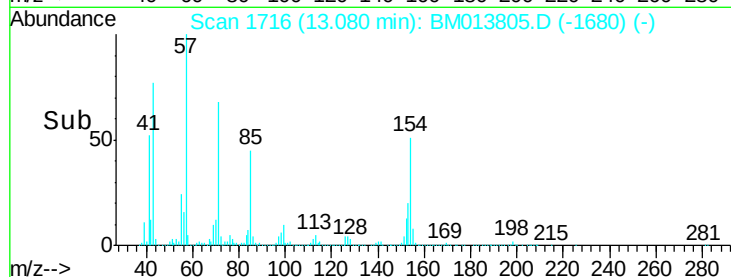
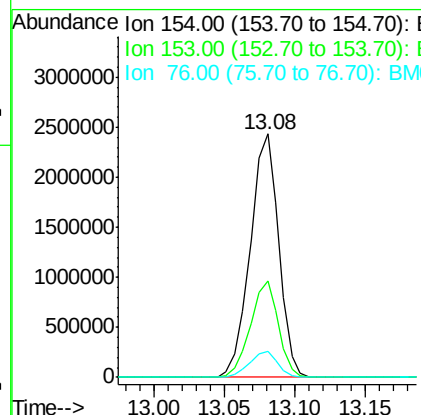
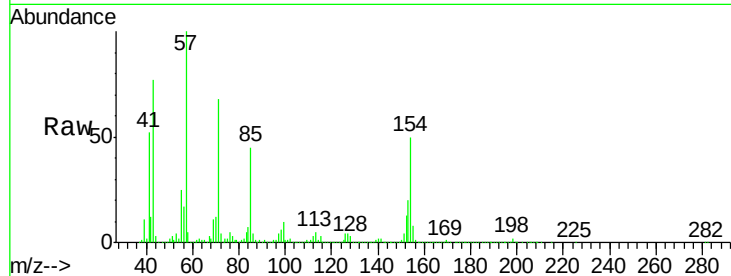
#40
 1,1'-Biphenyl
 Concen: 143.471 ng/ul
 RT: 13.08 min Scan# 1716
 Delta R.T. 0.01 min
 Lab File: BM013805.D
 Acq: 25 Jan 2018 14:50

Instrument :
 BNA_M
 ClientSampled :
 F6A76

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.6	32.6	48.8
76	10.8	8.5	12.7

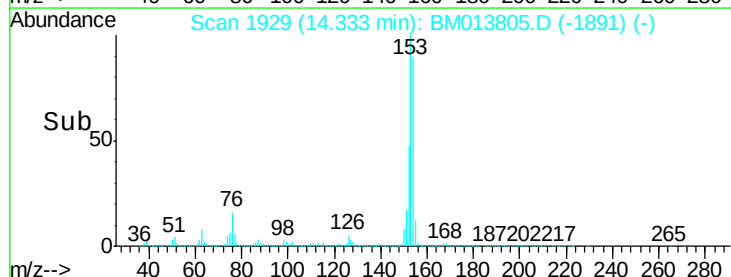
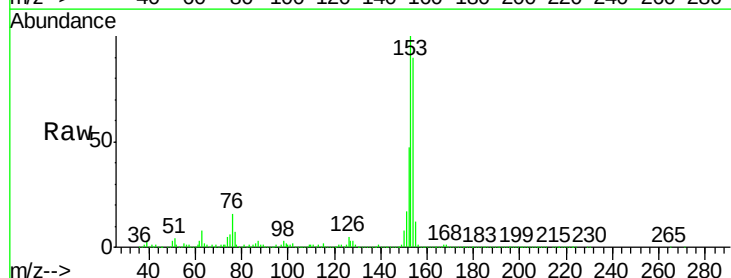
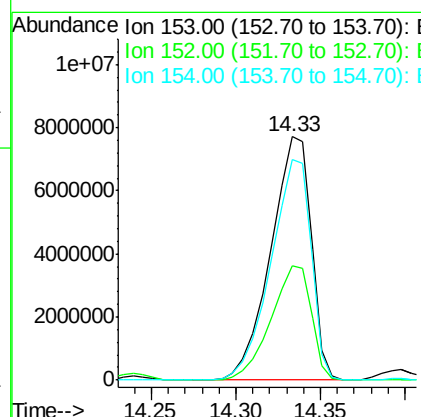
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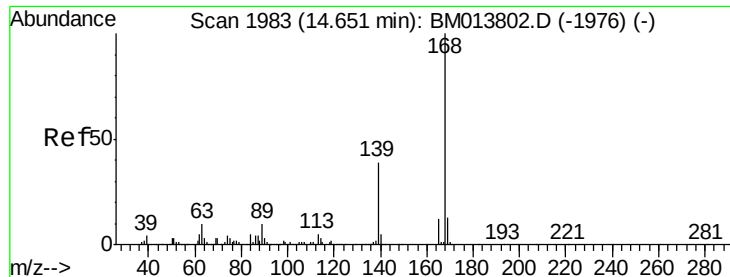
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#49
 Acenaphthene
 Concen: 663.285 ng/ul
 RT: 14.33 min Scan# 1929
 Delta R.T. 0.02 min
 Lab File: BM013805.D
 Acq: 25 Jan 2018 14:50

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.6	56.4
154	90.3	70.4	105.6





#53

Dibenzofuran

Concen: 387.275 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. 0.02 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

Instrument :

BNA_M

ClientSampled :

F6A76

Tot Ion:168 Resp:11180822

Ion Ratio Lower Upper

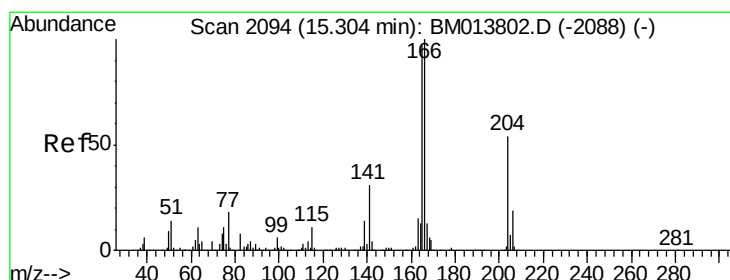
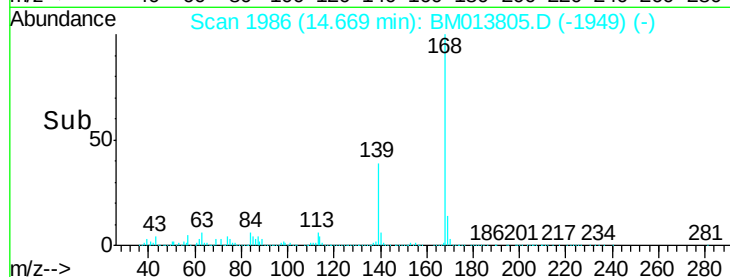
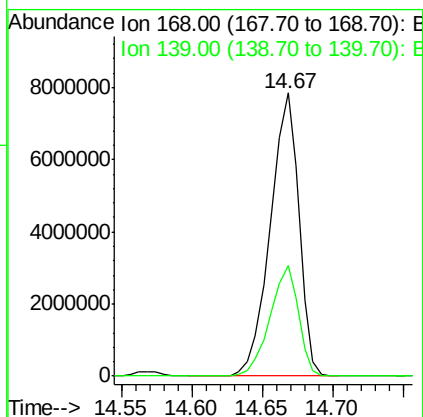
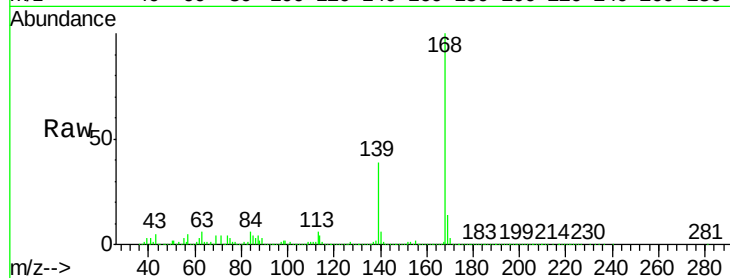
168 100

139 38.9 30.8 46.2

Manual Integrations
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#58

Fluorene

Concen: 387.657 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. 0.02 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

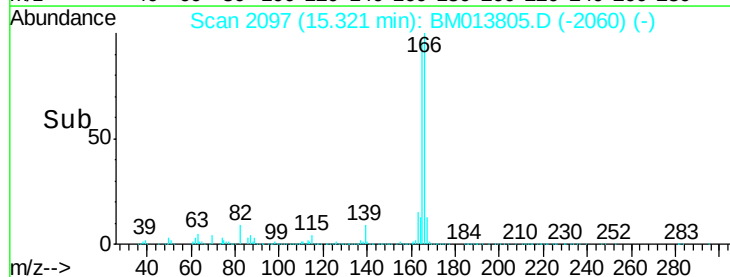
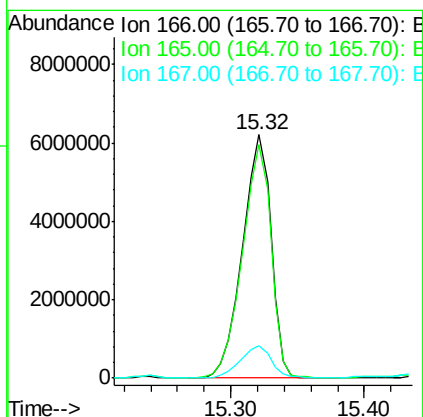
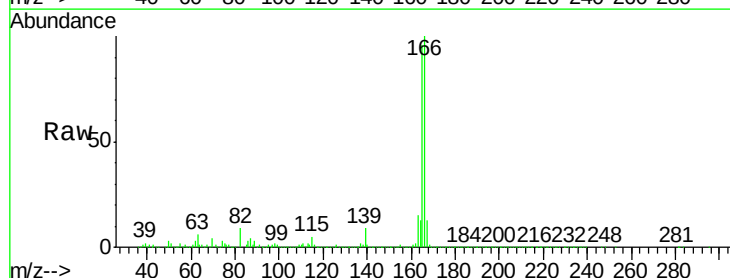
Tgt Ion:166 Resp: 9167810

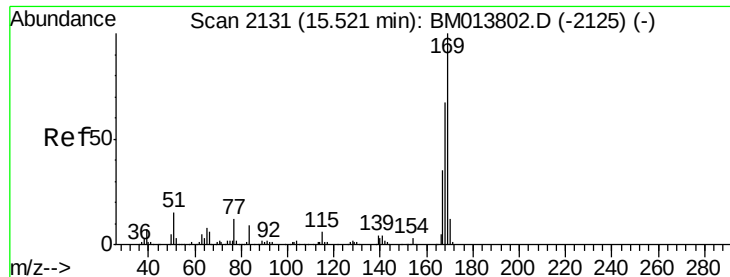
Ion Ratio Lower Upper

166 100

165 95.7 77.9 116.9

167 13.4 10.6 16.0





#64

N-Nitrosodiphenylamine

Concen: 10.320 ng/ul

RT: 15.52 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

Instrument :

BNA_M

ClientSampled :

F6A76

Tot Ion:169 Resp: 169705

Ion Ratio Lower Upper

169 100

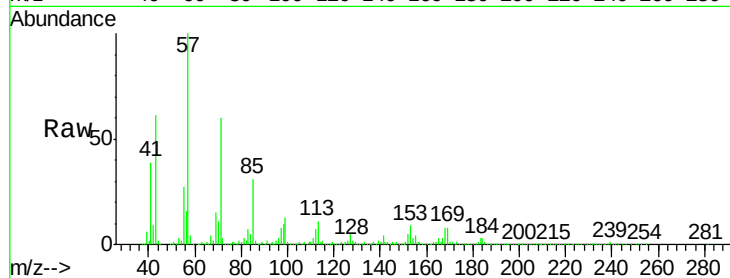
168 95.2 54.0 81.0#

167 38.7 29.1 43.7

Manual Integrations
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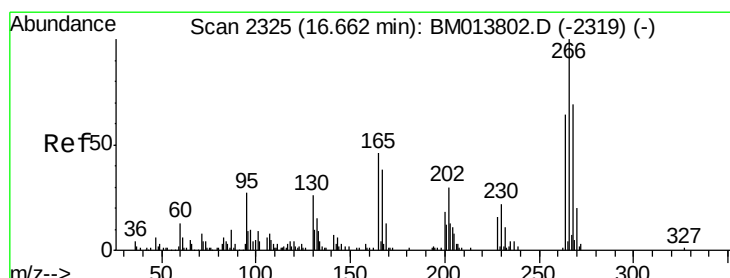
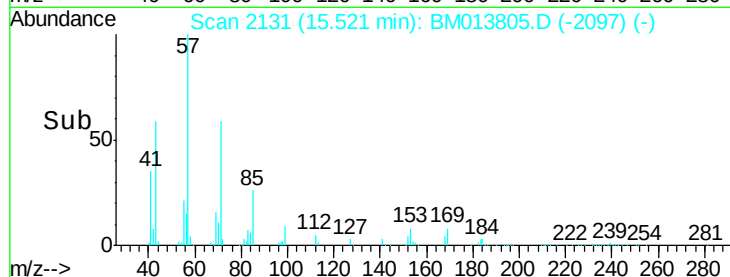
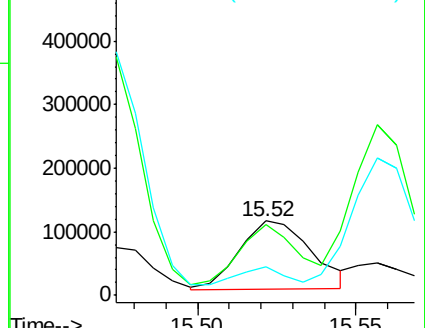
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Pentachlorophenol

Concen: 791.640 ng/ul

RT: 16.68 min Scan# 2328

Delta R.T. 0.02 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

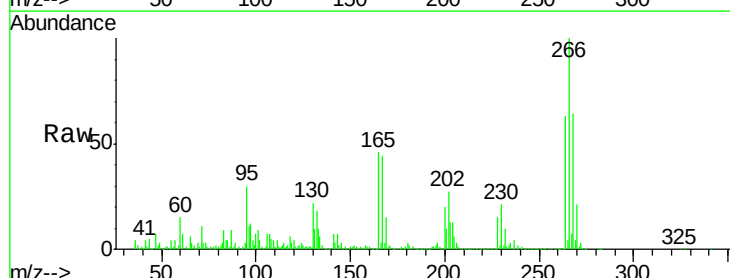
Tgt Ion:266 Resp: 2990280

Ion Ratio Lower Upper

266 100

264 62.8 49.3 73.9

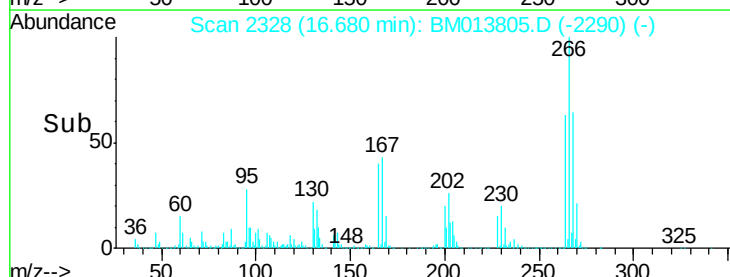
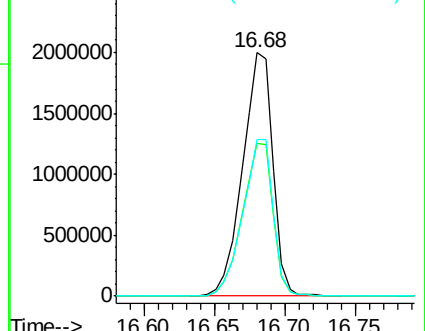
268 64.1 52.6 78.8

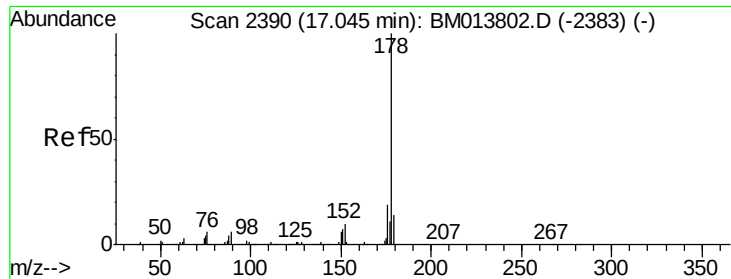


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 785.810 ng/ul m

RT: 17.06 min Scan# 2393

Delta R.T. 0.02 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

Instrument :

BNA_M

ClientSampled :

F6A76

Tot Ion:178 Resp:24422263

Ion Ratio Lower Upper

178 100

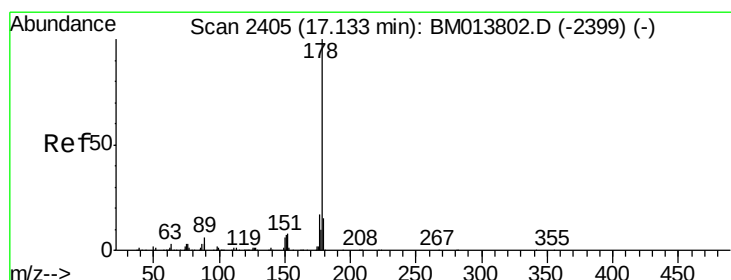
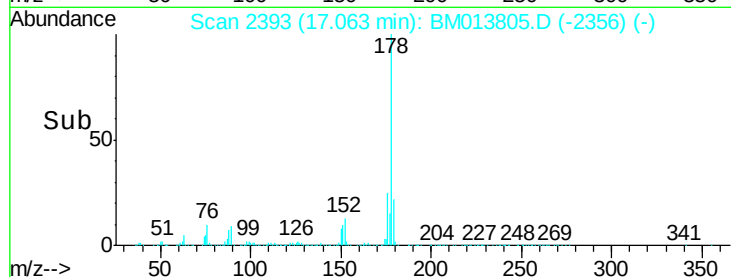
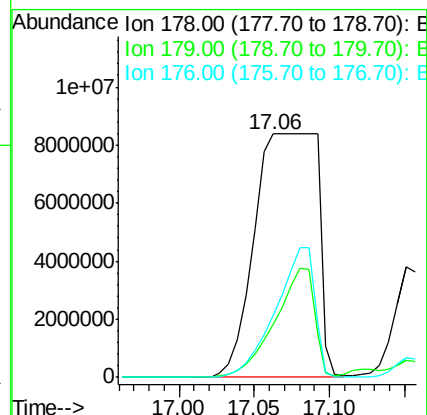
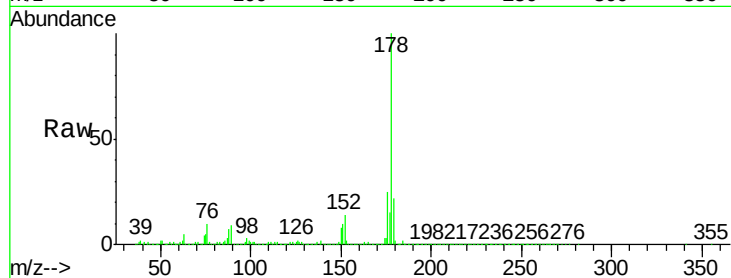
179 21.8 12.6 19.0#

176 25.2 14.9 22.3#

Manual Integrations
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#71

Anthracene

Concen: 158.033 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.02 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

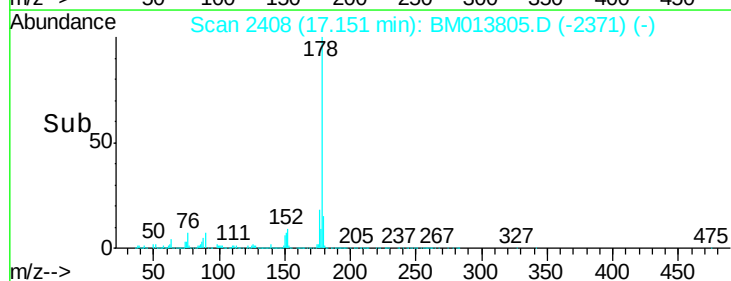
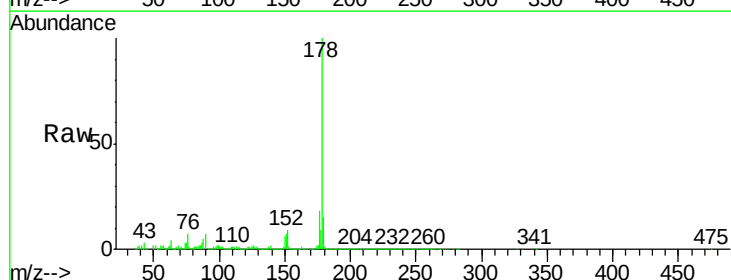
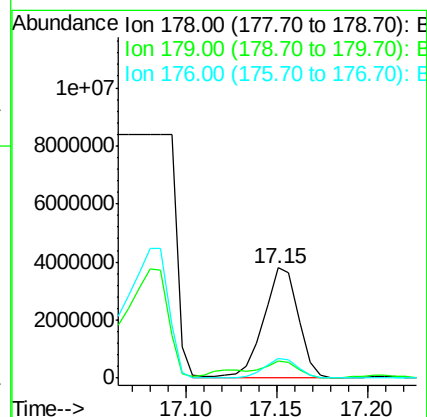
Tgt Ion:178 Resp: 5065977

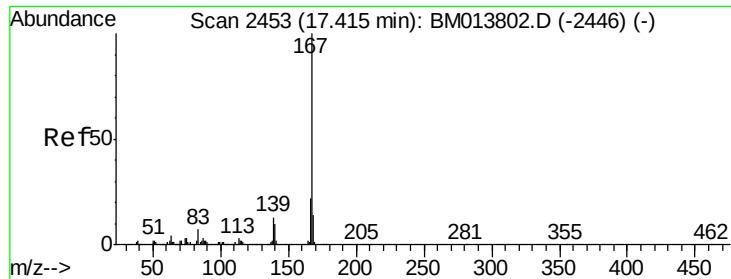
Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

176 18.0 14.6 21.8





#72

Carbazole

Concen: 43.259 ng/ul

RT: 17.42 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

Instrument :

BNA_M

ClientSampleId :

F6A76

Tot Ion:167 Resp: 1144685

Ion Ratio Lower Upper

167 100

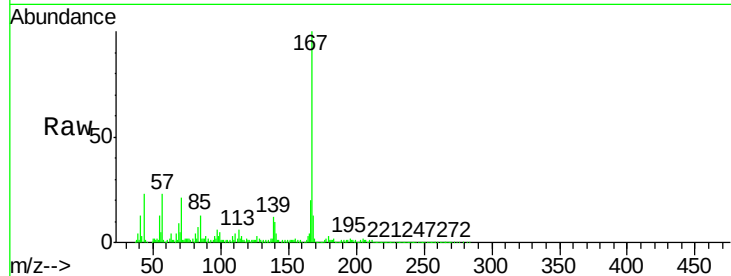
166 20.4 17.1 25.7

139 12.4 10.0 15.0

Manual Integrations
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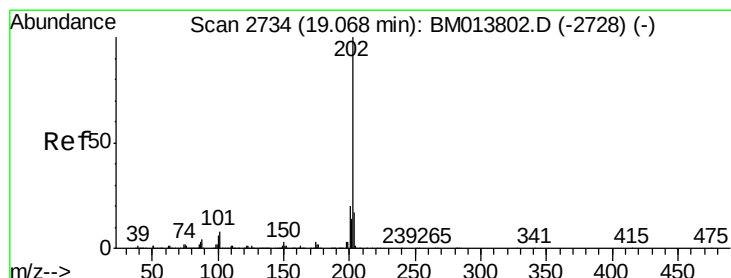
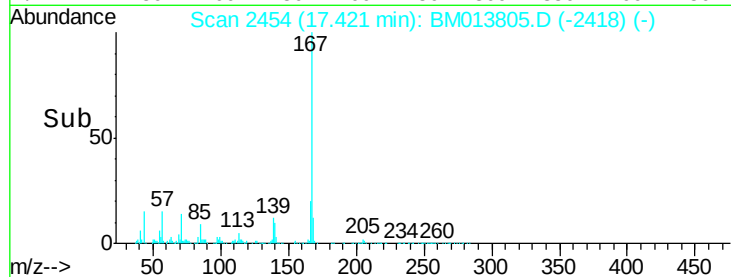
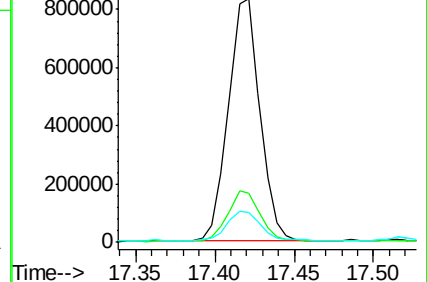
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 460.061 ng/ul m

RT: 19.08 min Scan# 2736

Delta R.T. 0.01 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

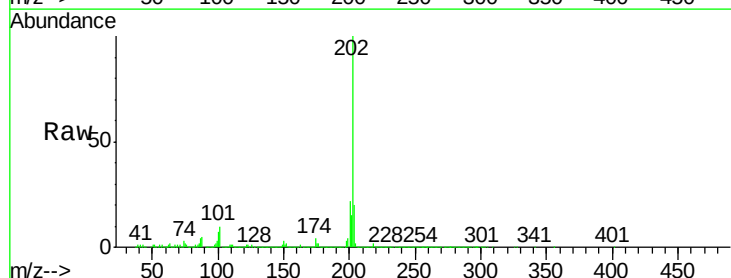
Tgt Ion:202 Resp:17067589

Ion Ratio Lower Upper

202 100

101 9.6 4.6 7.0#

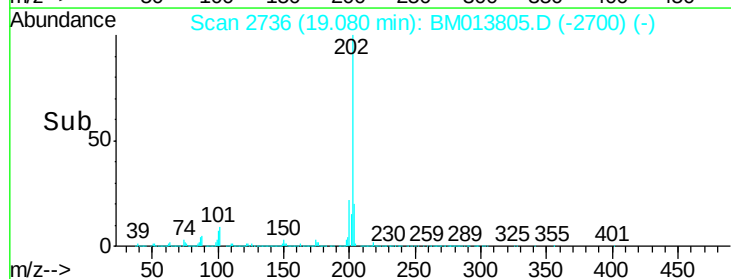
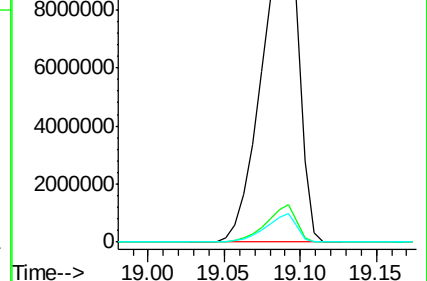
100 7.3 3.4 5.2#

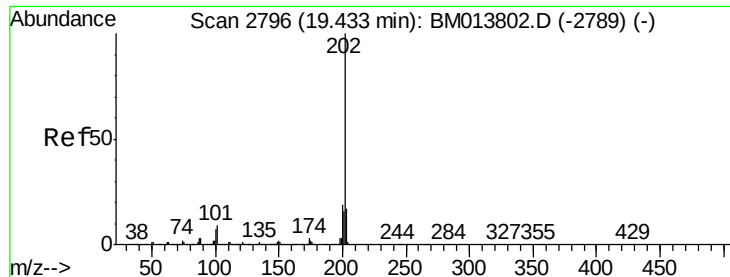


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 394.656 ng/ul

RT: 19.45 min Scan# 2799

Delta R.T. 0.02 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

Instrument :

BNA_M

ClientSampleId :

F6A76

Tot Ion:202 Resp:14219200

Ion Ratio Lower Upper

202 100

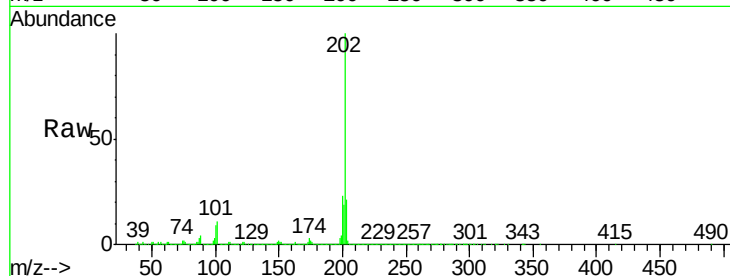
101 10.9 5.1 7.7#

100 8.9 4.9 7.3#

Manual Integrations
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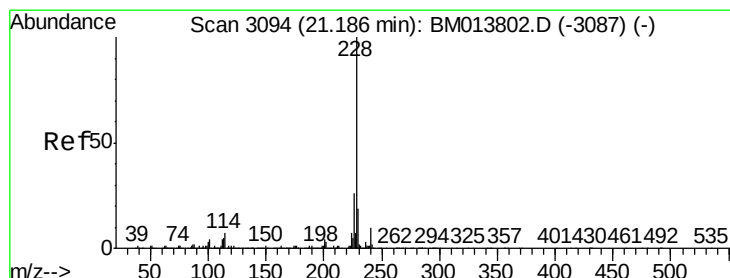
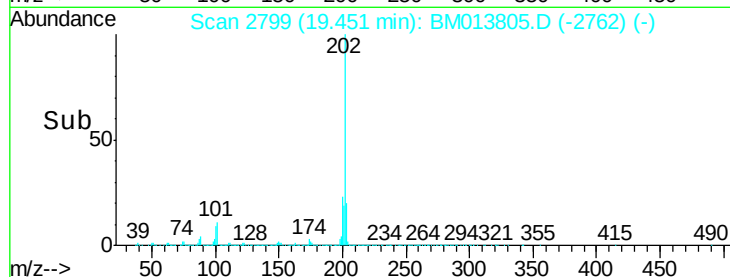
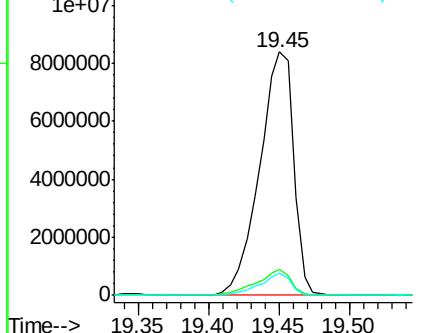
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 62.759 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

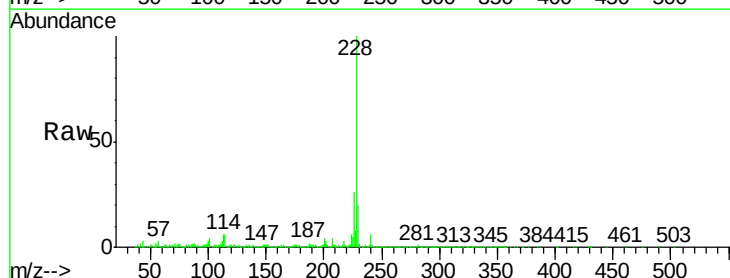
Tgt Ion:228 Resp: 2247479

Ion Ratio Lower Upper

228 100

229 19.5 15.4 23.0

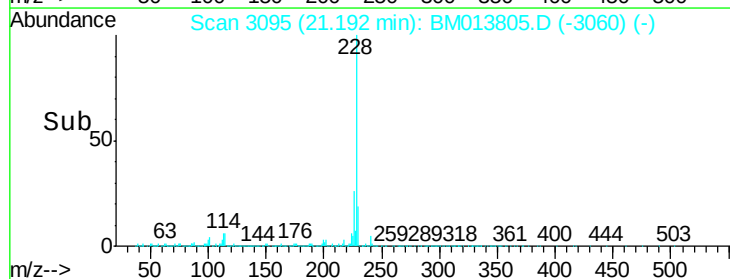
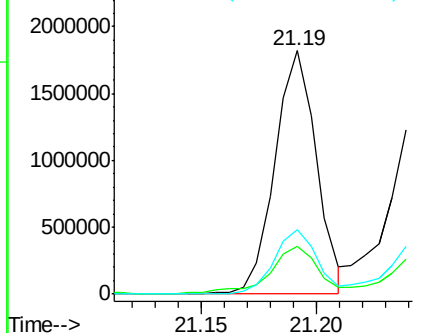
226 26.3 21.4 32.0

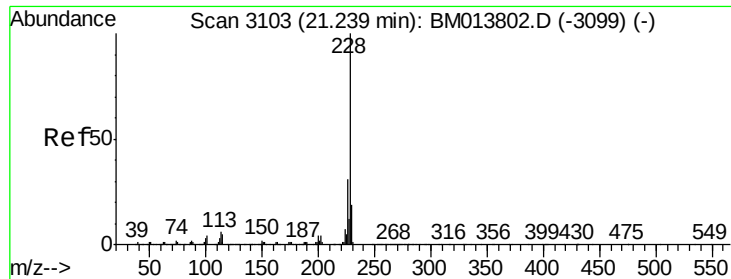


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 54.441 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

Instrument :

BNA_M

ClientSampled :

F6A76

Tot Ion:228 Resp: 1788526

Ion Ratio Lower Upper

228 100

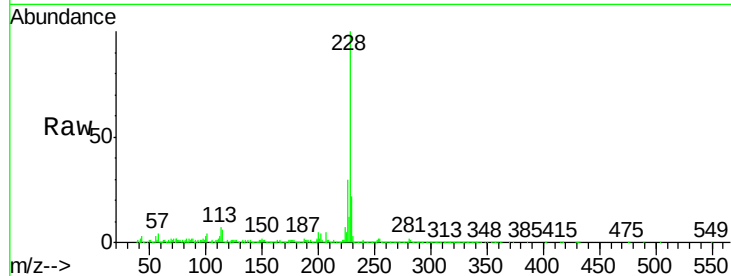
226 29.8 23.4 35.2

229 22.0 15.5 23.3

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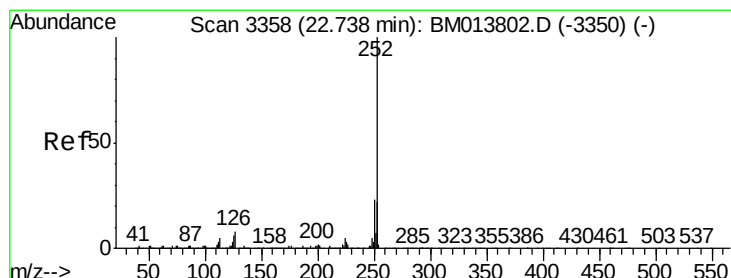
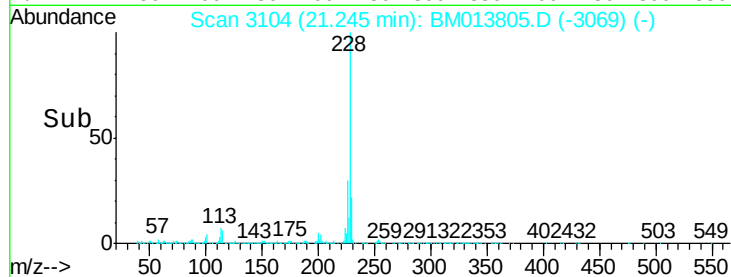
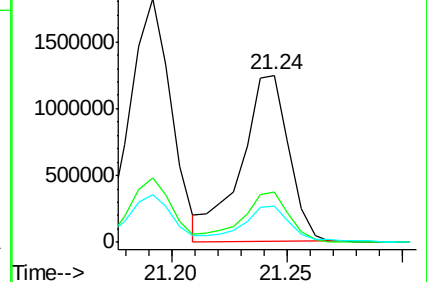
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 21.413 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM013805.D

Acq: 25 Jan 2018 14:50

Tgt Ion:252 Resp: 790923

Ion Ratio Lower Upper

252 100

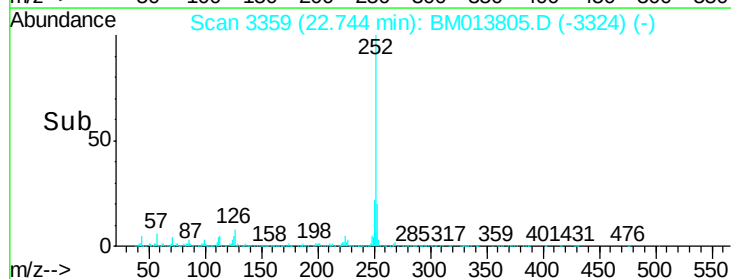
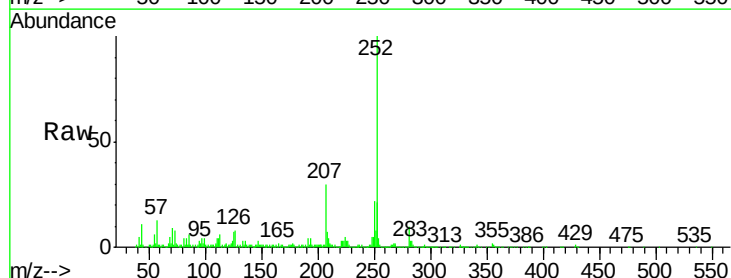
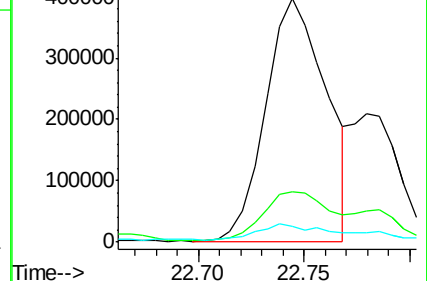
253 20.6 17.9 26.9

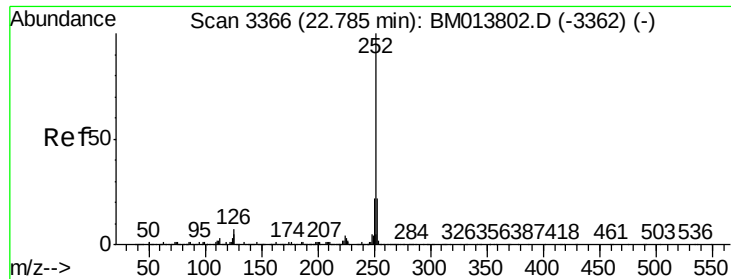
125 6.6 3.6 5.4#

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





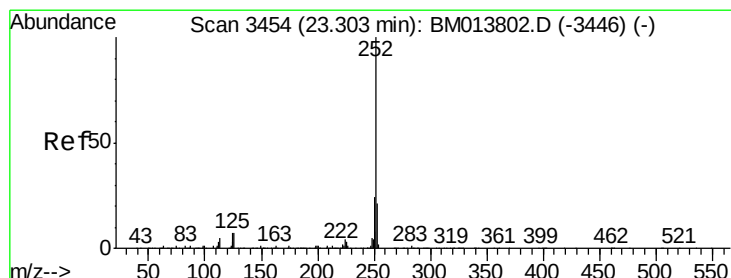
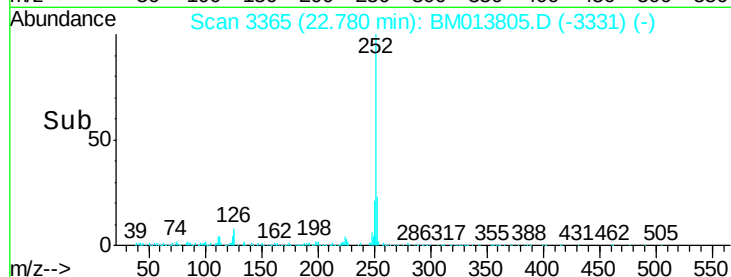
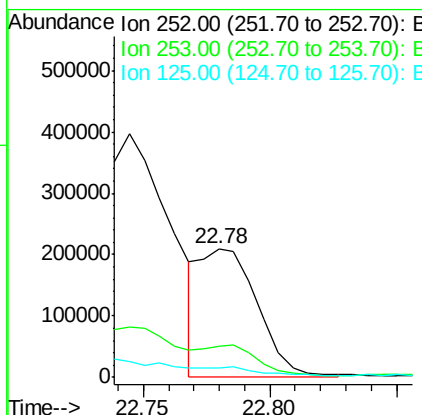
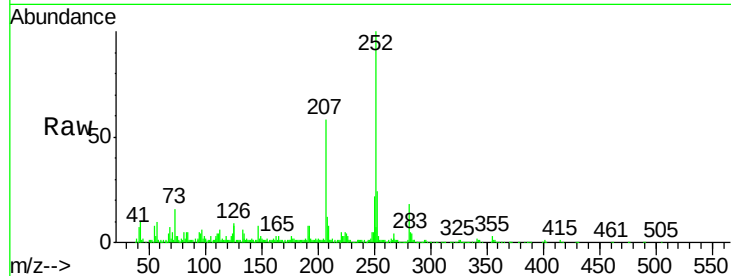
#86
Benzo(k)fluoranthene
Concen: 9.198 ng/ul m
RT: 22.78 min Scan# 3365
Delta R.T. 0.00 min
Lab File: BM013805.D
Acq: 25 Jan 2018 14:50

Instrument :
BNA_M
ClientSampled :
F6A76

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.0	17.1	25.7	
125	7.5	3.4	5.2	

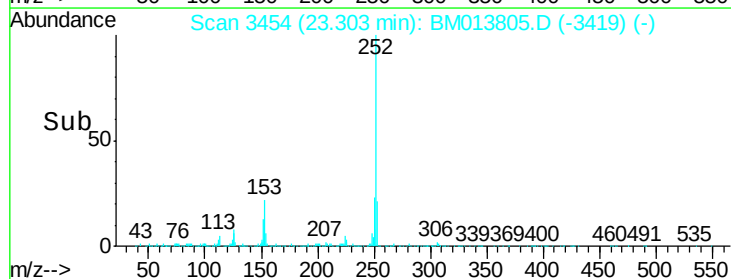
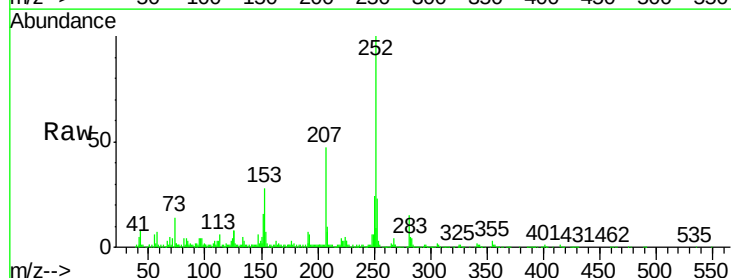
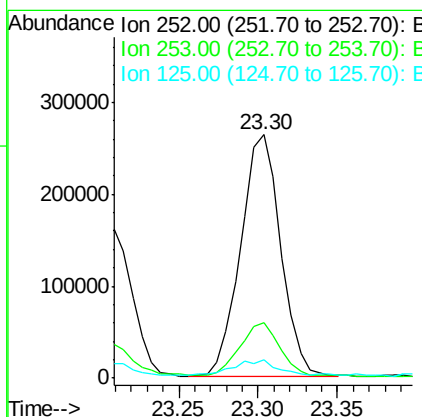
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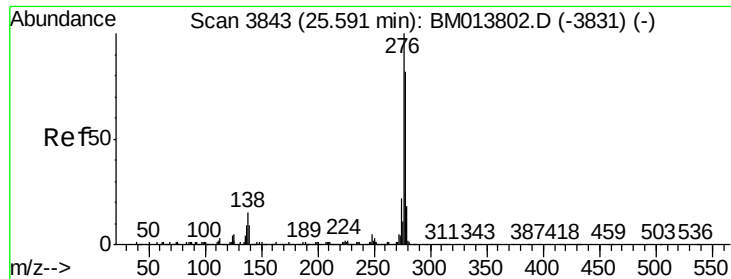
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#88
Benzo(a)pyrene
Concen: 13.171 ng/ul
RT: 23.30 min Scan# 3454
Delta R.T. 0.01 min
Lab File: BM013805.D
Acq: 25 Jan 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.6	18.2	27.2	
125	7.5	4.0	6.0	





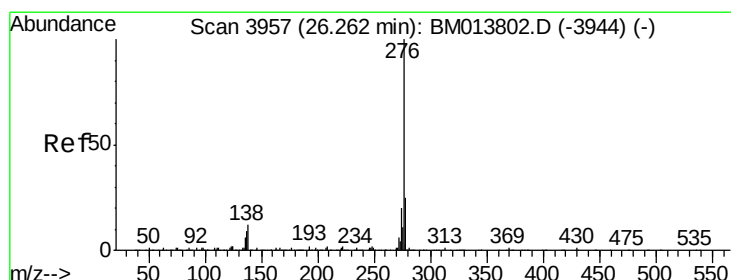
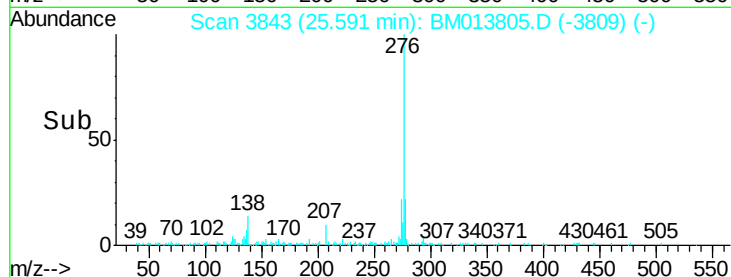
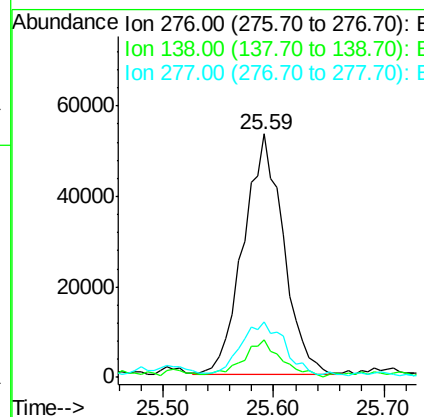
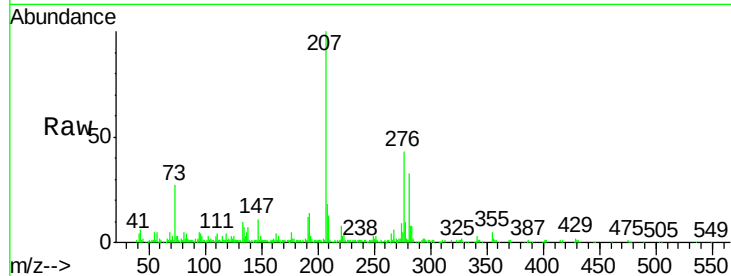
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 3.283 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. 0.00 min
 Lab File: BM013805.D
 Acq: 25 Jan 2018 14:50

Instrument :
 BNA_M
 ClientSampleId :
 F6A76

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	9.3	13.9#
277	22.9	19.9	29.9

Manual Integrations
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#91
 Benzo(g,h,i)perylene
 Concen: 2.689 ng/ul m
 RT: 26.26 min Scan# 3957
 Delta R.T. 0.01 min
 Lab File: BM013805.D
 Acq: 25 Jan 2018 14:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	8.5	12.7#
277	32.2	18.6	28.0#

