

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
 Data File : BM013361.D
 Acq On : 13 Dec 2017 05:12
 Operator : SJ/JU
 Sample : I6758-09DL 30X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F9B10DL

Manual Integrations
 APPROVED

Sohil
 12/13/2017 12:06:10 PM

Quant Time: Dec 13 07:16:39 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 04:59:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	118163	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	513670	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	322369	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	834094	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1136730	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1062799	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	728	0.31	ng/uL	0.00
5) Phenol-d5	6.86	99	6353	0.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	4378	0.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	5579	0.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	4447	0.51	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	3521	0.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	2165	0.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	5244m	0.58	ng/ul	0.03
29) 4-Chloroaniline-d4	10.62	131	3578	0.43	ng/ul	0.01
43) Dimethylphthalate-d6	13.74	166	21406	0.75	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	25928	0.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	115	0.02	ng/ul	0.00
57) Fluorene-d10	15.32	176	21065	0.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	1447m	0.28	ng/ul	0.01
70) Anthracene-d10	17.17	188	36144	0.87	ng/ul	0.00
76) Pyrene-d10	19.47	212	48545	0.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	42320	0.78	ng/ul	0.00

Target Compounds

					Ovalue	
47) Acenaphthylene	14.05	152	104869	3.201	ng/ul	95
49) Acenaphthene	14.39	153	67875	3.041	ng/ul	96
53) Dibenzofuran	14.73	168	63453	1.926	ng/ul	97
58) Fluorene	15.37	166	69956	2.567	ng/ul	88
69) Phenanthrene	17.12	178	1946553	41.078	ng/ul	98
71) Anthracene	17.21	178	356578	7.362	ng/ul	97
72) Carbazole	17.48	167	147331	3.536	ng/ul	97
74) Fluoranthene	19.14	202	5738735	98.823	ng/ul#	94
77) Pyrene	19.50	202	4117031	59.616	ng/ul#	92
80) Benzo(a)anthracene	21.25	228	1444205	20.024	ng/ul	99
82) Chrysene	21.30	228	2234976	33.402	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	1806427	25.214	ng/ul#	98
86) Benzo(k)fluoranthene	22.87	252	632222m	9.377	ng/ul	
88) Benzo(a)pyrene	23.40	252	718632	11.166	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.73	276	501062	7.847	ng/ul	97
90) Dibenzo(a,h)anthracene	25.72	278	145259	2.671	ng/ul#	90
91) Benzo(g,h,i)perylene	26.41	276	352338	6.995	ng/ul#	94

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

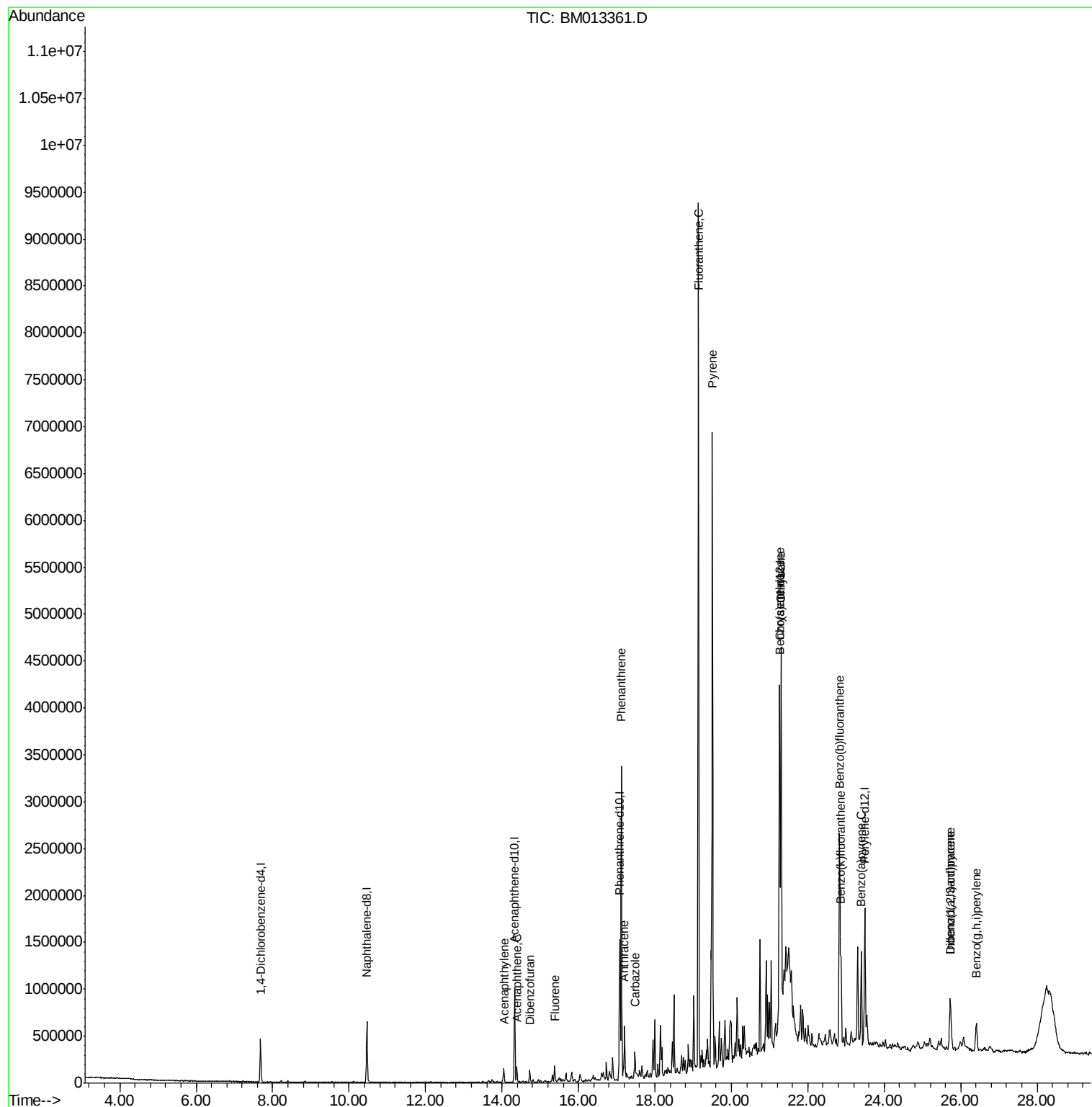
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
Data File : BM013361.D
Acq On : 13 Dec 2017 05:12
Operator : SJ/JU
Sample : I6758-09DL 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

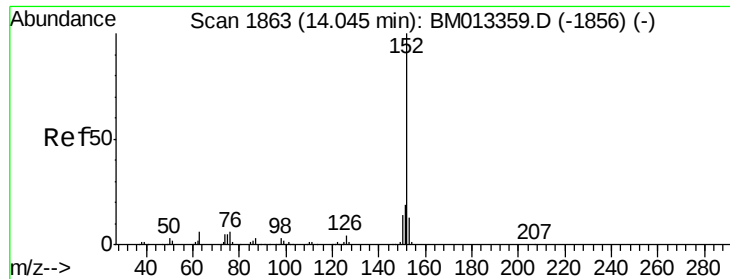
Instrument :
BNA_M
ClientSampleId :
F9B10DL

Quant Time: Dec 13 07:16:39 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 04:59:25 2017
Response via : Initial Calibration

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#47

Acenaphthylene

Concen: 3.201 ng/ul

RT: 14.05 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

Instrument :

BNA_M

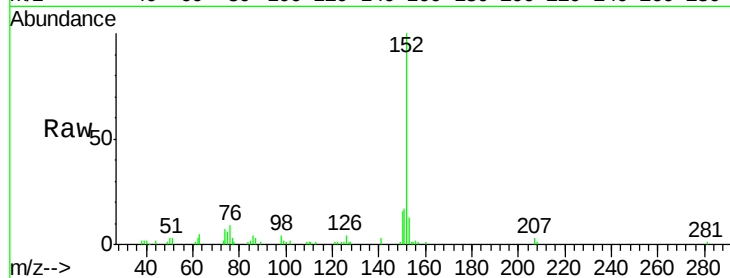
ClientSampleId :

F9B10DL

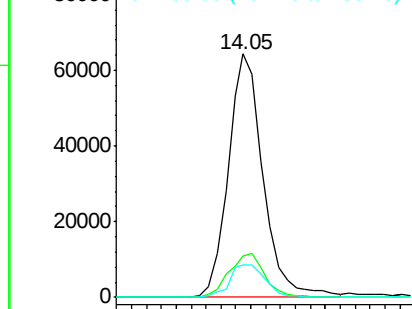
Tot Ion:	152	Resp:	104869
Ion Ratio	Lower	Upper	
152	100		
151	17.1	16.3	24.5
153	13.1	10.2	15.4

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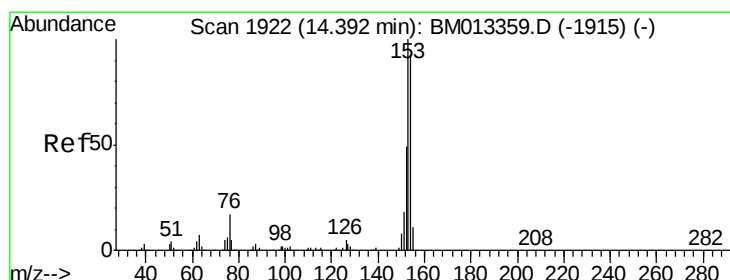
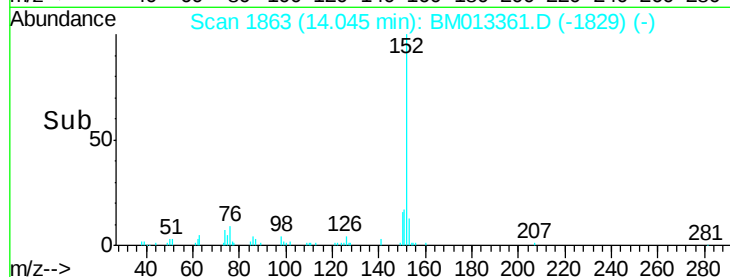
Sohil
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Acenaphthene

Concen: 3.041 ng/ul

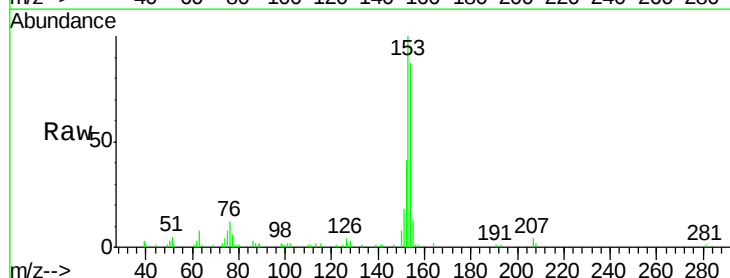
RT: 14.39 min Scan# 1922

Delta R.T. -0.00 min

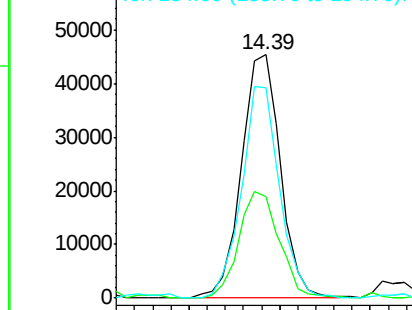
Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

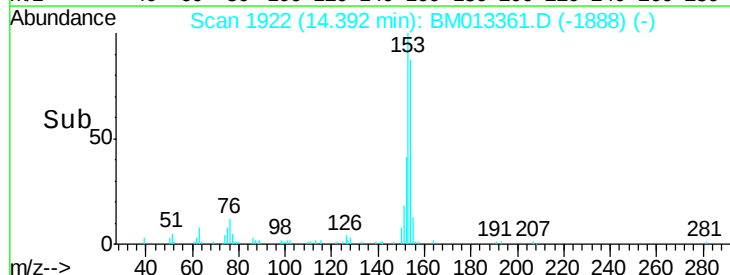
Tgt Ion:	153	Resp:	67875
Ion Ratio	Lower	Upper	
153	100		
152	41.5	37.6	56.4
154	86.6	70.4	105.6

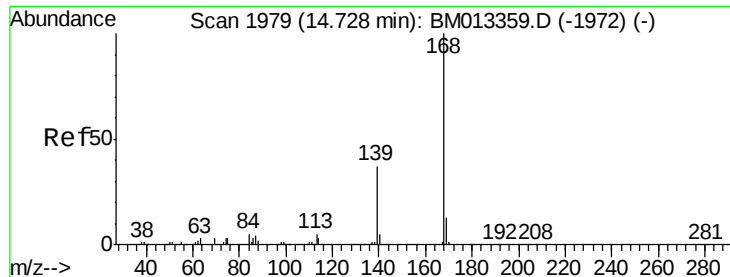


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





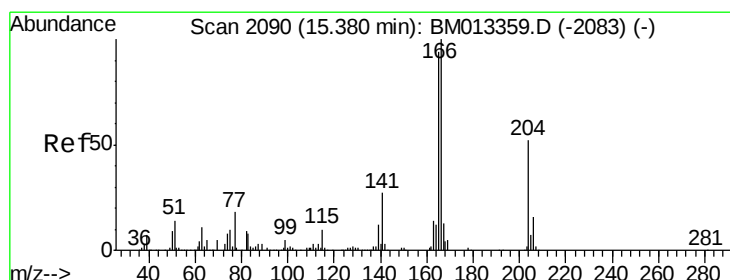
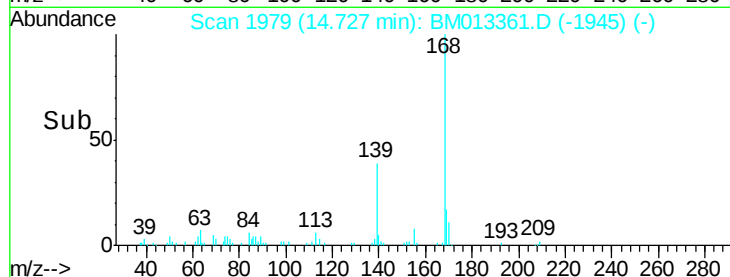
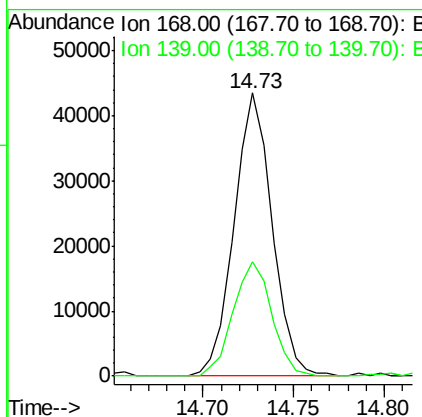
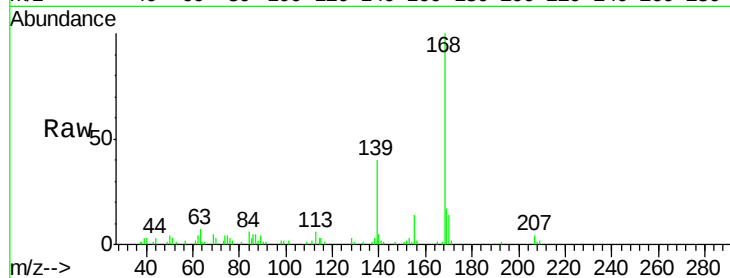
#53
Dibenzenofuran
Concen: 1.926 ng/ul
RT: 14.73 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BM013361.D
Acq: 13 Dec 2017 05:12

Instrument :
BNA_M
ClientSampleId :
F9B10DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.2	30.8	46.2

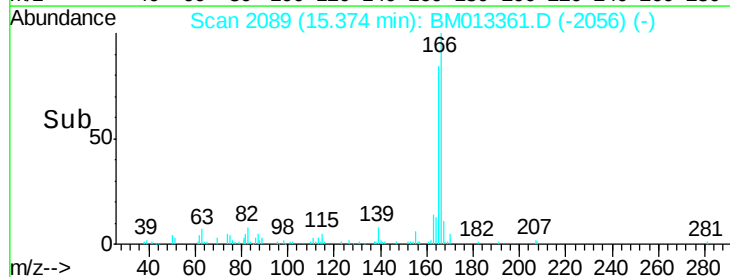
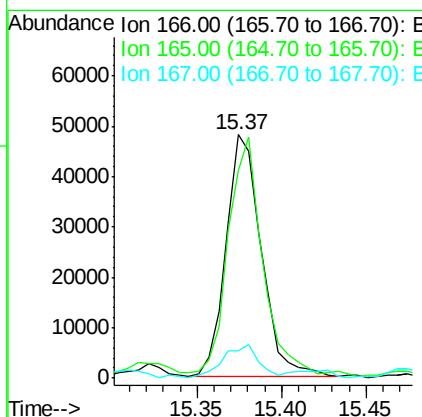
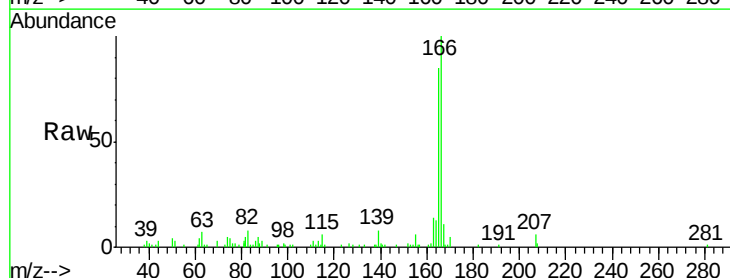
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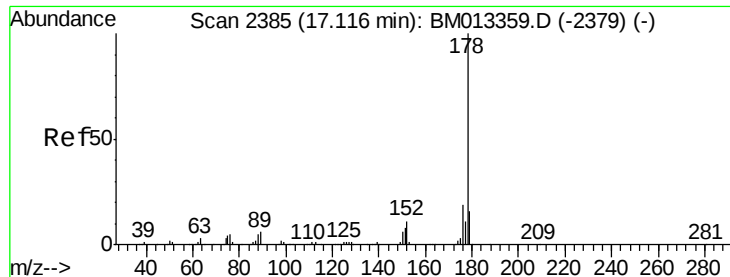
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#58
Fluorene
Concen: 2.567 ng/ul
RT: 15.37 min Scan# 2089
Delta R.T. -0.01 min
Lab File: BM013361.D
Acq: 13 Dec 2017 05:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	85.2	77.9	116.9
167	11.2	10.6	16.0





#69

Phenanthrene

Concen: 41.078 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

Instrument :

BNA_M

ClientSampled :

F9B10DL

Tot Ion:178 Resp: 1946553

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

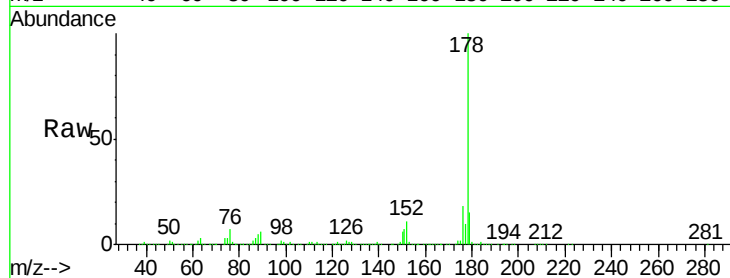
176 17.6 14.9 22.3

Manual Integrations

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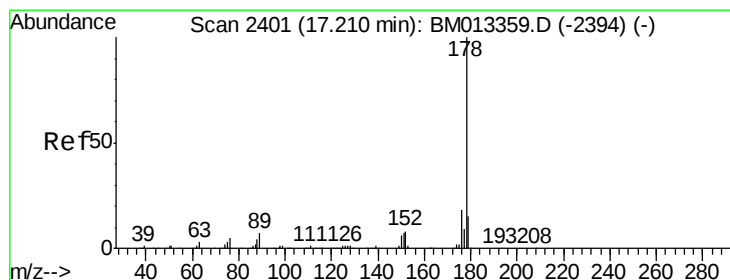
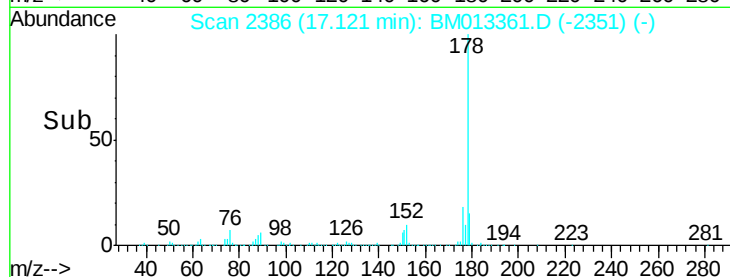
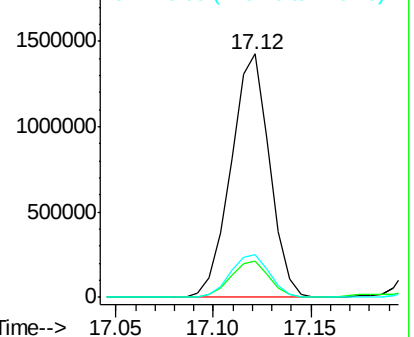
12/13/2017 12:06:10 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 7.362 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

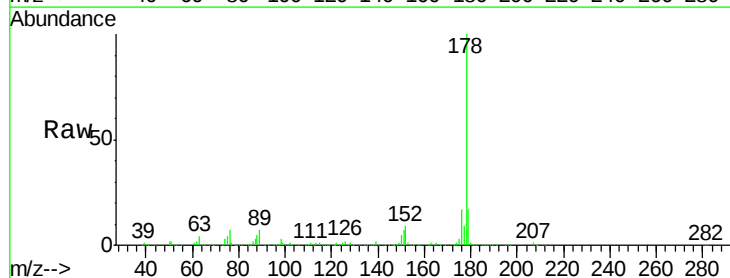
Tgt Ion:178 Resp: 356578

Ion Ratio Lower Upper

178 100

179 16.9 11.7 17.5

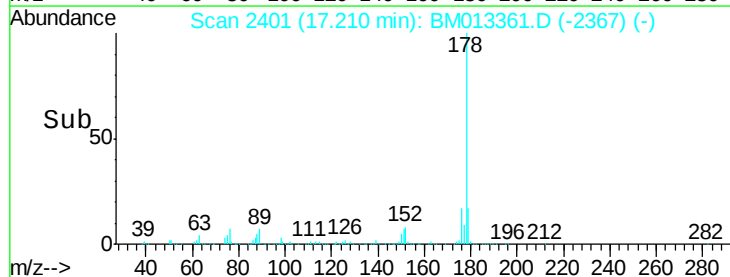
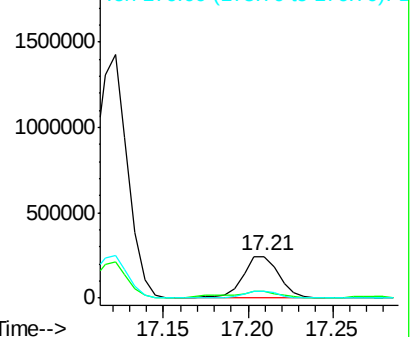
176 17.4 14.6 21.8

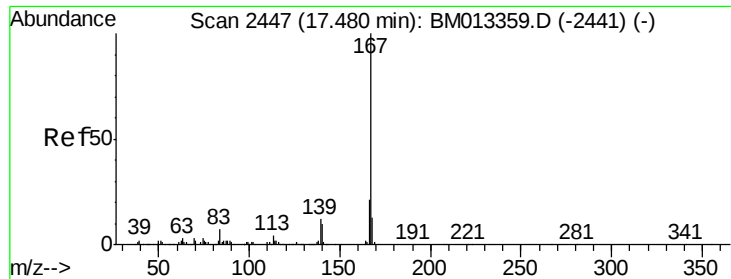


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





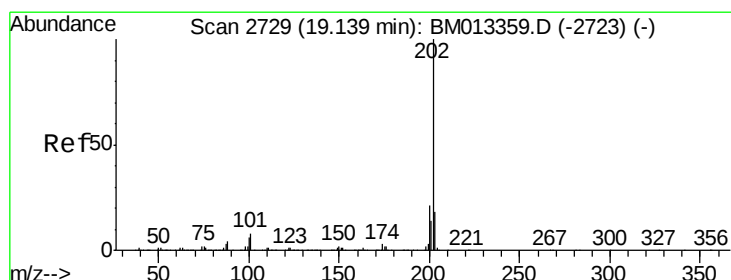
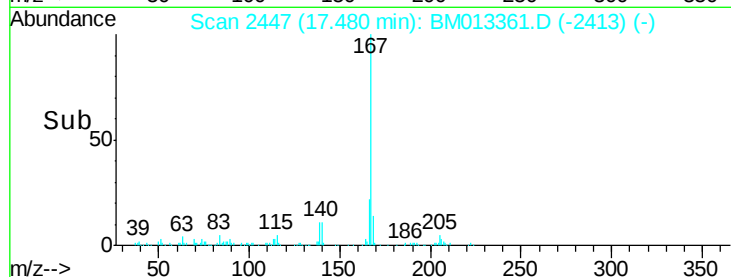
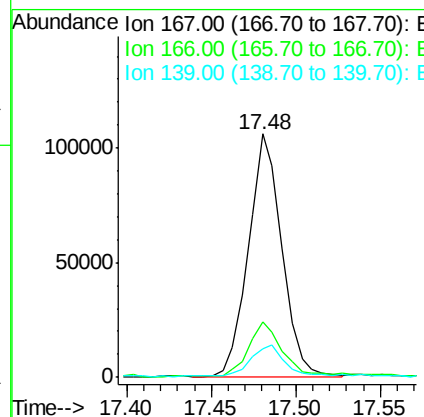
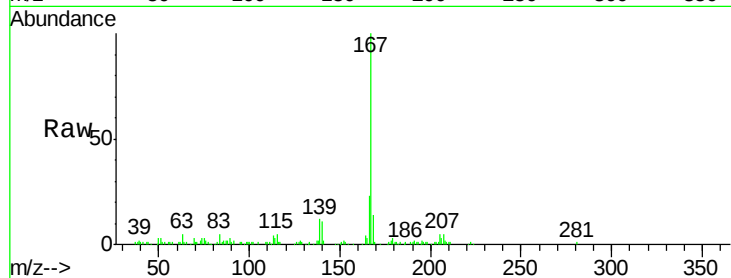
#72
 Carbazole
 Concen: 3.536 ng/ul
 RT: 17.48 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BM013361.D
 Acq: 13 Dec 2017 05:12

Instrument :
 BNA_M
 ClientSampleId :
 F9B10DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.1	25.7
139	11.5	10.0	15.0

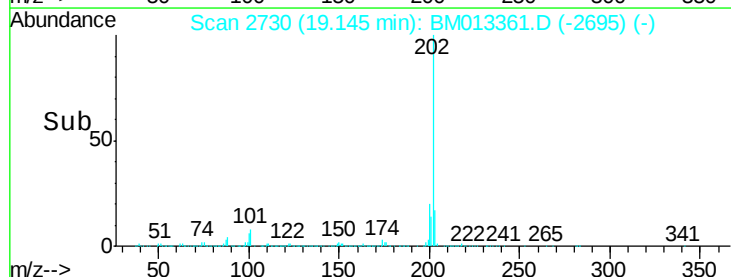
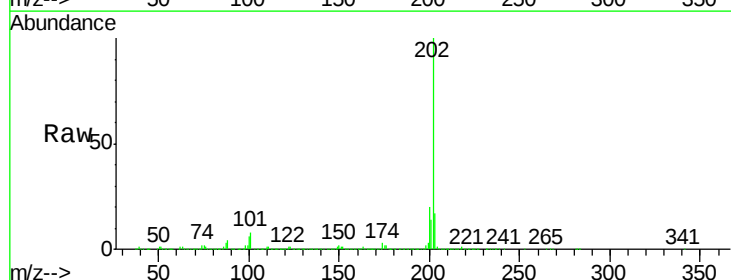
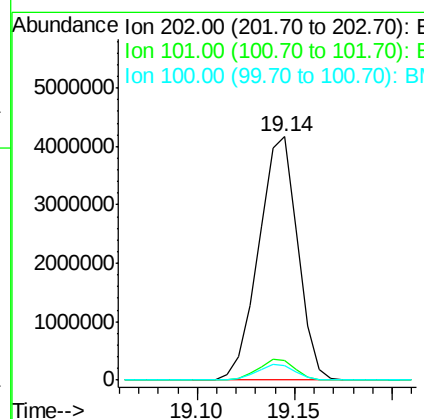
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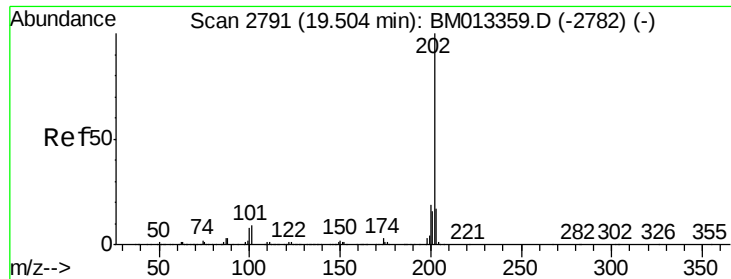
Sohil
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#74
 Fluoranthene
 Concen: 98.823 ng/ul
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM013361.D
 Acq: 13 Dec 2017 05:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0#
100	6.0	3.4	5.2#





#77

Pvrene

Concen: 59.616 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

Instrument :

BNA_M

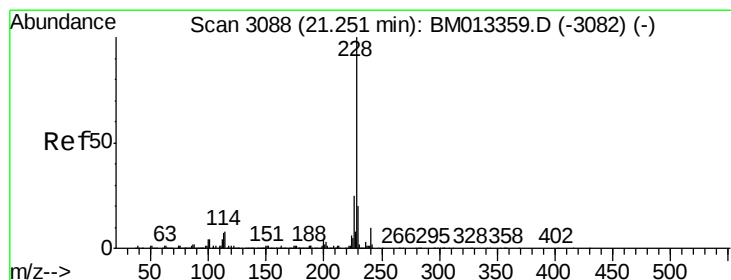
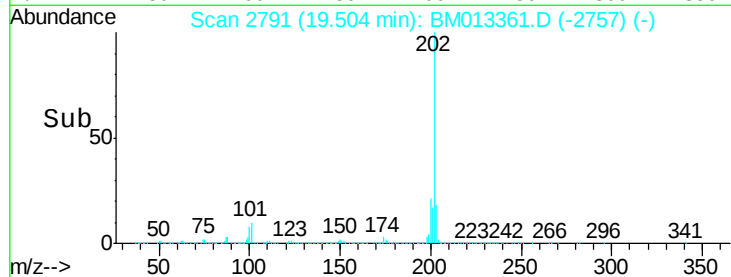
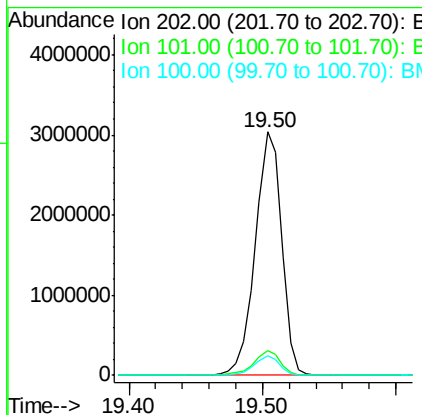
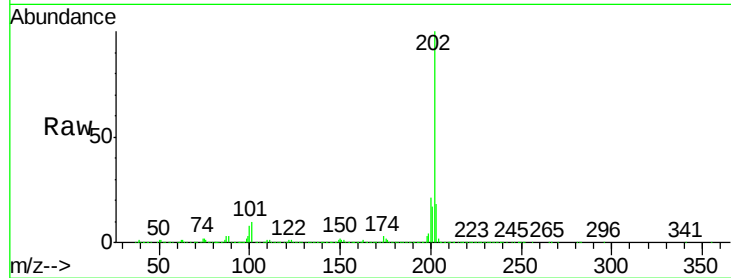
ClientSampleId :

F9B10DL

Tot Ion:	202	Resp:	4117031
Ion Ratio	Lower	Upper	
202	100		
101	9.9	5.1	7.7#
100	7.9	4.9	7.3#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 20.024 ng/ul

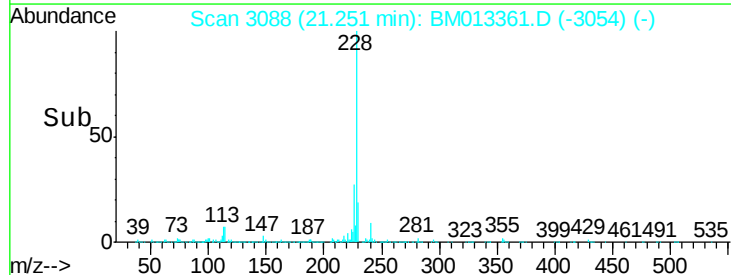
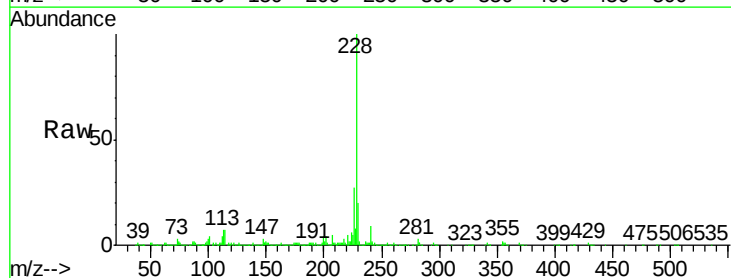
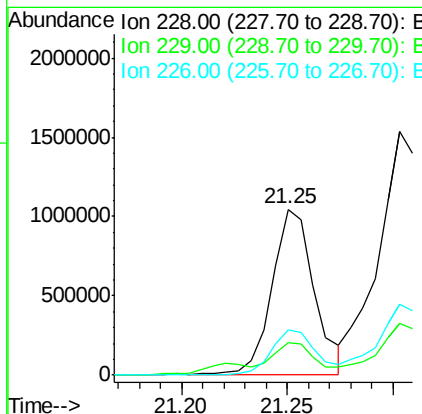
RT: 21.25 min Scan# 3088

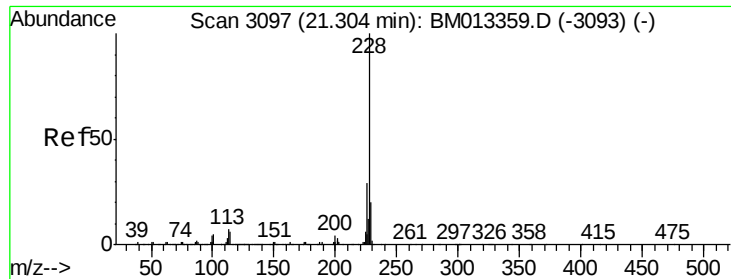
Delta R.T. -0.00 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

Tgt Ion:	228	Resp:	1444205
Ion Ratio	Lower	Upper	
228	100		
229	19.6	15.4	23.0
226	27.1	21.4	32.0





#82

Chrysene

Concen: 33.402 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

Instrument :

BNA_M

ClientSampleId :

F9B10DL

Tot Ion:228 Resp: 2234976

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	21.2	15.5	23.3

228 100

226 28.9 23.4 35.2

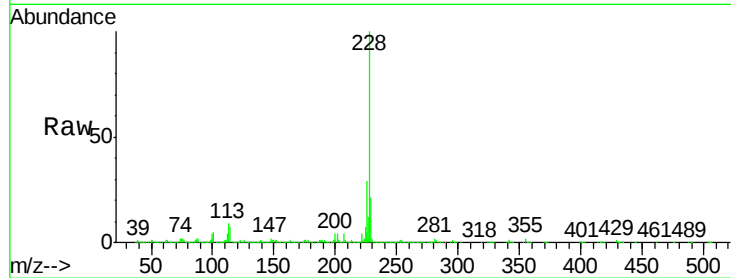
229 21.2 15.5 23.3

Manual Integrations

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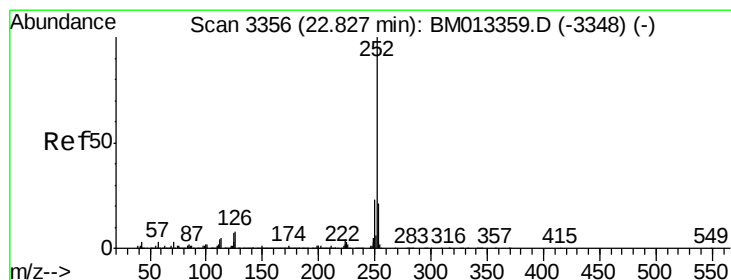
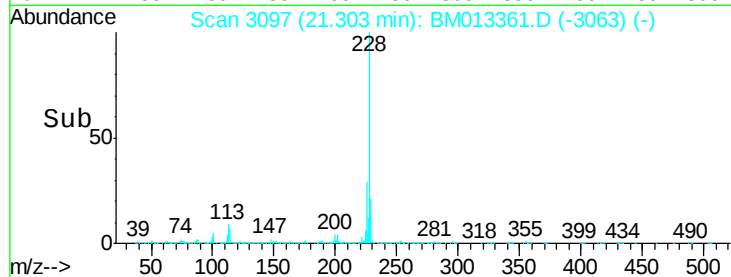
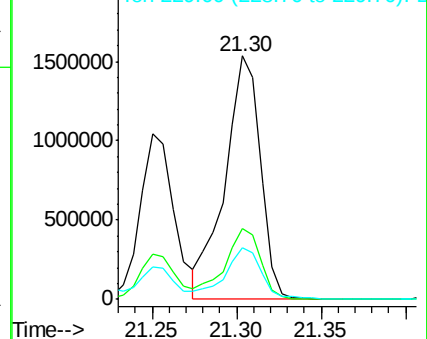


Abundance

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: 25.214 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

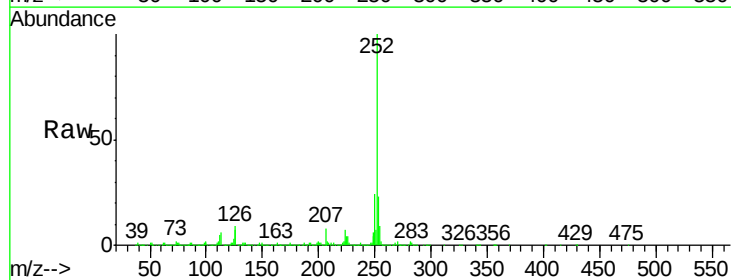
Tgt Ion:252 Resp: 1806427

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	7.2	3.6	5.4

252 100

253 22.6 17.9 26.9

125 7.2 3.6 5.4

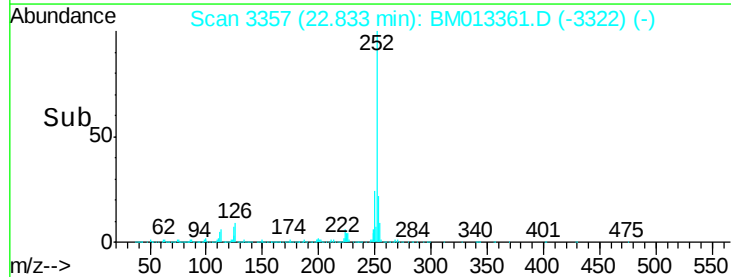
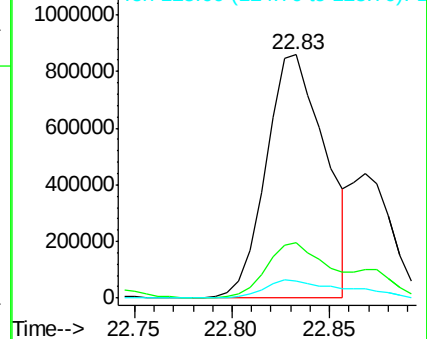


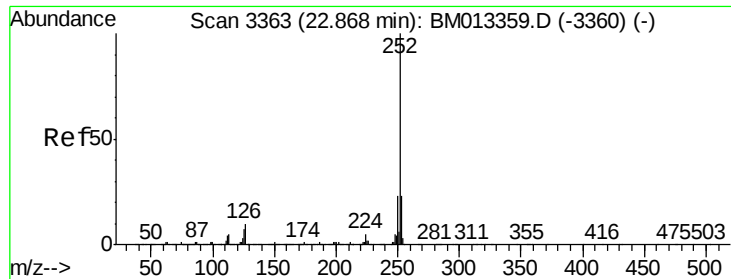
Abundance

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





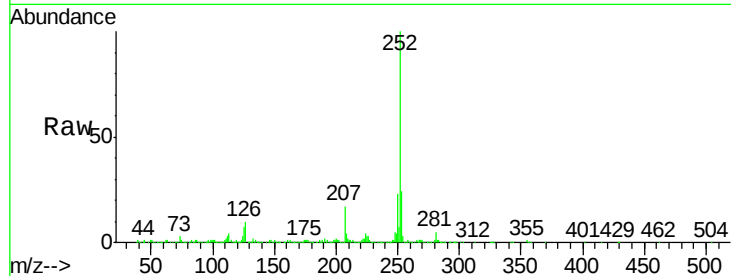
#86
Benzo(k)fluoranthene
Concen: 9.377 ng/ul m
RT: 22.87 min Scan# 3363
Delta R.T. -0.00 min
Lab File: BM013361.D
Acq: 13 Dec 2017 05:12

Instrument :
BNA_M
ClientSampleId :
F9B10DL

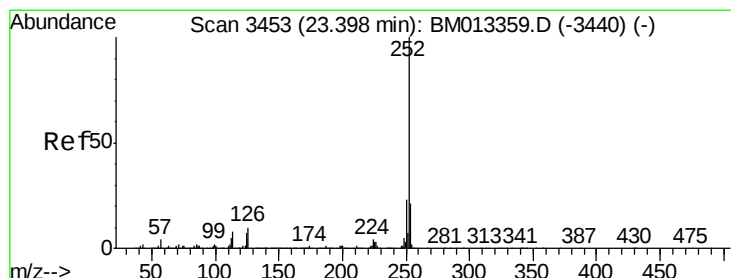
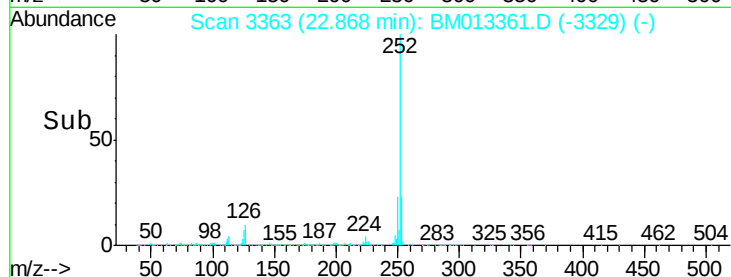
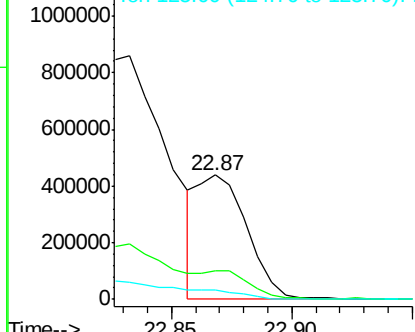
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	7.1	3.4	5.2

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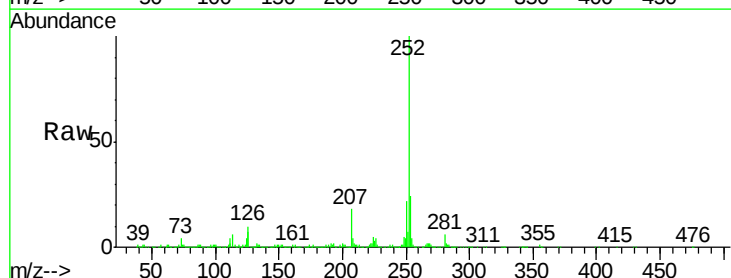


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

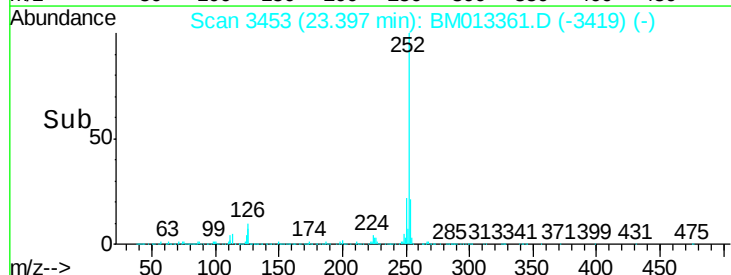
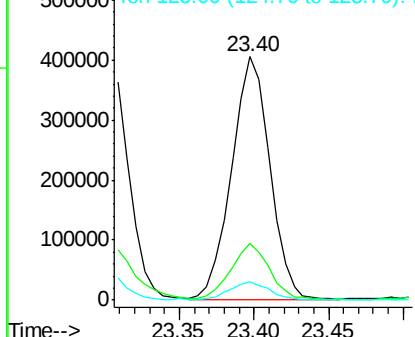


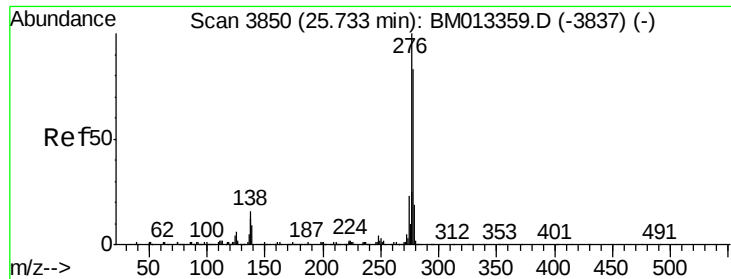
#88
Benzo(a)pyrene
Concen: 11.166 ng/ul
RT: 23.40 min Scan# 3453
Delta R.T. -0.00 min
Lab File: BM013361.D
Acq: 13 Dec 2017 05:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	7.4	4.0	6.0



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





#89

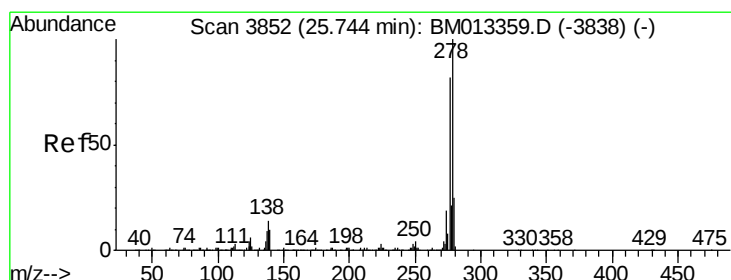
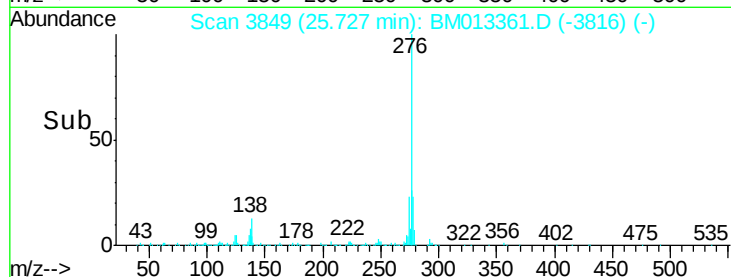
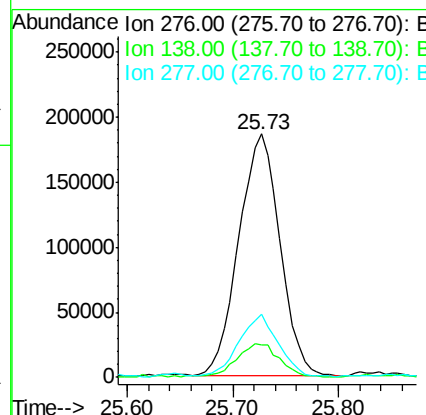
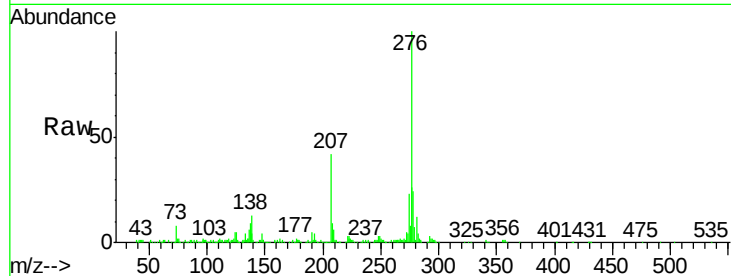
Indeno(1,2,3-cd)pyrene
Concen: 7.847 ng/ul
RT: 25.73 min Scan# 3849
Delta R.T. -0.01 min
Lab File: BM013361.D
Acq: 13 Dec 2017 05:12

Instrument :
BNA_M
ClientSampled :
F9B10DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.4	9.3	13.9
277	25.9	19.9	29.9

Manual Integrations
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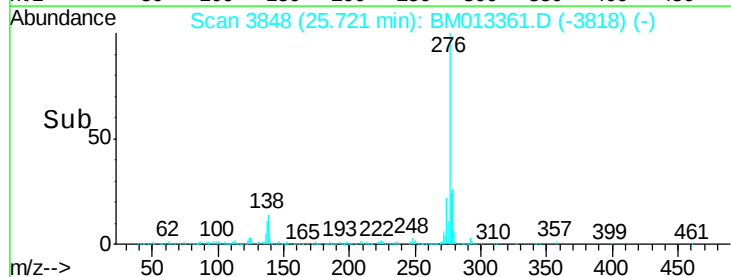
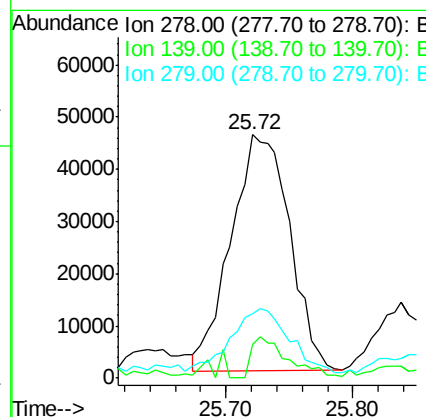
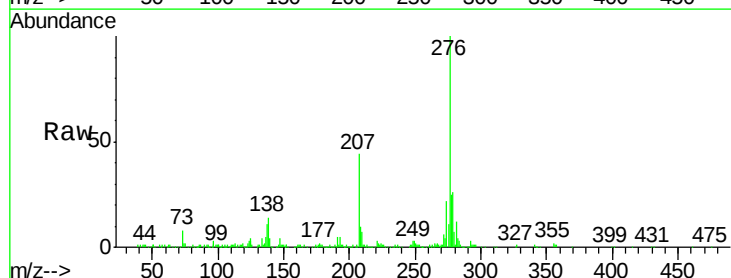
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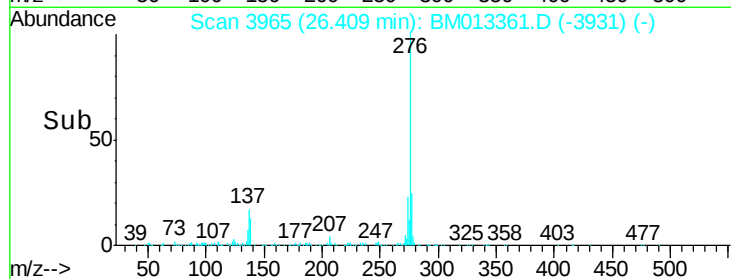
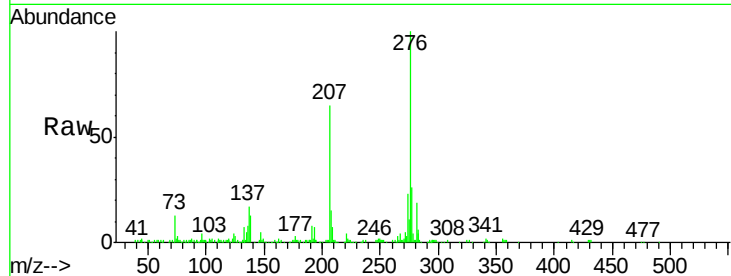
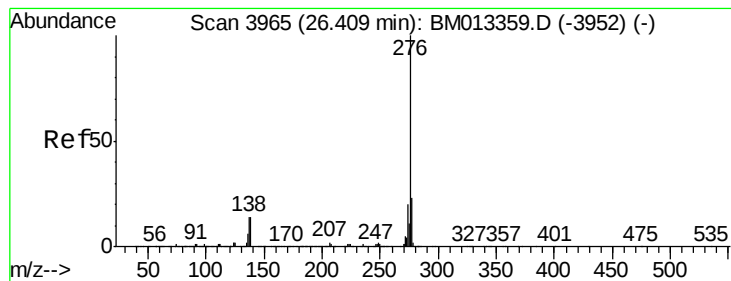


#90

Dibenzo(a,h)anthracene
Concen: 2.671 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.02 min
Lab File: BM013361.D
Acq: 13 Dec 2017 05:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.7	5.8	8.8#
279	26.7	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 6.995 ng/ul

RT: 26.41 min Scan# 3965

Delta R.T. -0.00 min

Lab File: BM013361.D

Acq: 13 Dec 2017 05:12

Tot Ion:	276	Resp:	352338
Ion Ratio	Lower	Upper	
276	100		
138	13.3	8.5	12.7#
277	25.7	18.6	28.0

Instrument :

BNA_M

ClientSampleId :

F9B10DL

Manual Integrations
APPROVED

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