

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013424.D
 Acq On : 15 Dec 2017 04:49
 Operator : SJ/JU
 Sample : I6776-17 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A46

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:02 PM

Quant Time: Dec 25 01:34:26 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 05:52:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	258914	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1133915	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	650276	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1377882	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1059755	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	872441	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	4236	0.81	ng/uL	0.00
5) Phenol-d5	6.86	99	127839	5.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	73150	5.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	105895	6.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	111477	5.83	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	54986	6.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	57920	6.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	113179	5.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	64952	3.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	363411	6.28	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	456347	6.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	46691	4.64	ng/ul	0.00
57) Fluorene-d10	15.32	176	305580	6.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	39227	4.53	ng/ul	0.00
70) Anthracene-d10	17.16	188	451847	6.55	ng/ul	0.00
76) Pyrene-d10	19.47	212	452042	8.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	281652	6.34	ng/ul	0.01

Target Compounds

					Ovalue	
47) Acenaphthylene	14.04	152	516514	7.816	ng/ul	97
69) Phenanthrene	17.11	178	116562	1.489	ng/ul	100
71) Anthracene	17.20	178	577614	7.219	ng/ul	98
74) Fluoranthene	19.13	202	3420696	35.658	ng/ul#	93
77) Pyrene	19.50	202	11929981	185.297	ng/ul#	86
80) Benzo(a)anthracene	21.25	228	2194726	32.641	ng/ul	94
82) Chrysene	21.30	228	7271163	116.561	ng/ul	99
85) Benzo(b)fluoranthene	22.84	252	9182206	156.127	ng/ul#	98
86) Benzo(k)fluoranthene	22.87	252	2475127m	44.721	ng/ul	
88) Benzo(a)pyrene	23.40	252	3252173	61.558	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.72	276	1819010	34.700	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	486750	10.905	ng/ul#	92
91) Benzo(g,h,i)perylene	26.41	276	1382465	33.434	ng/ul#	95

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

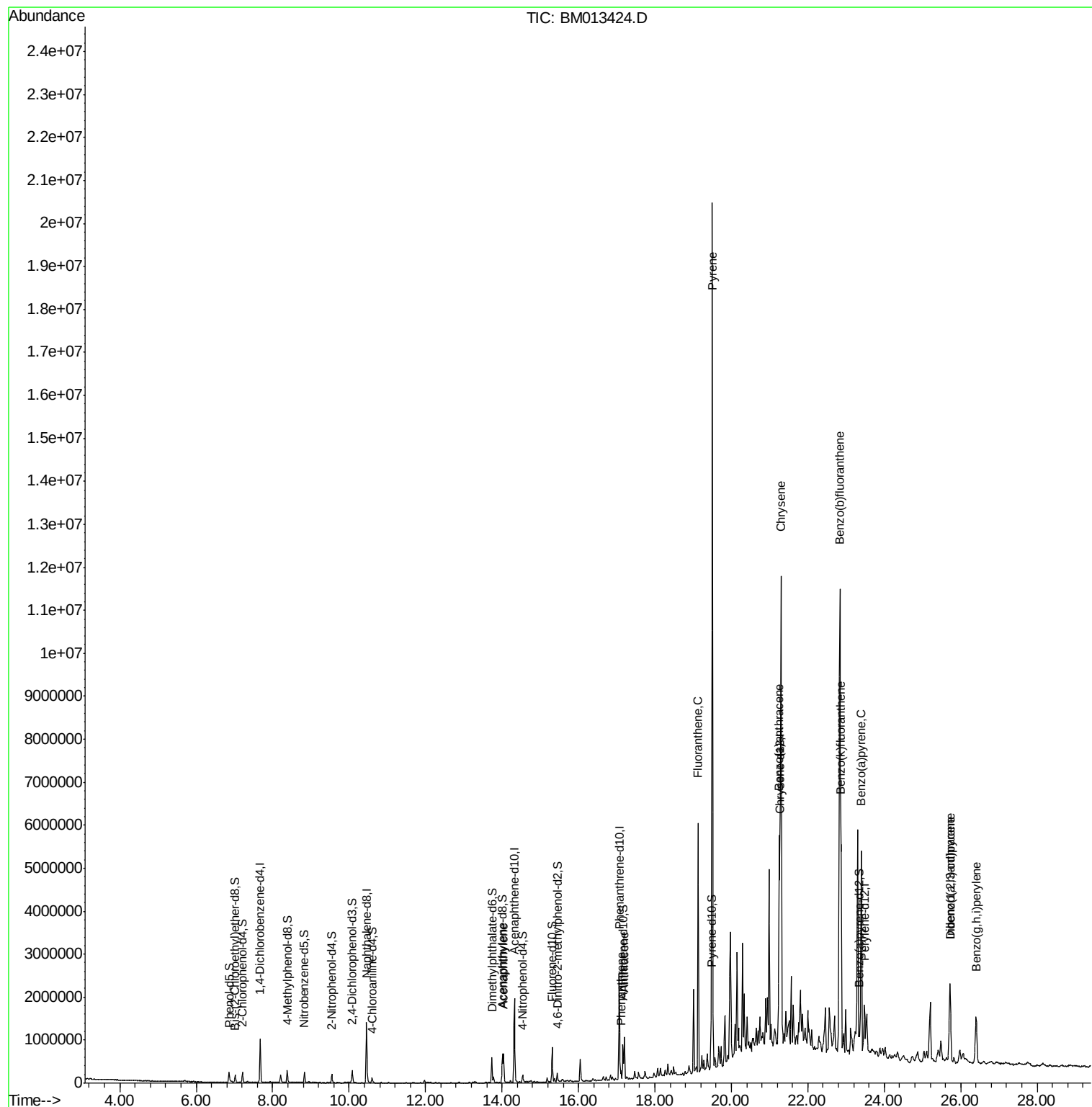
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

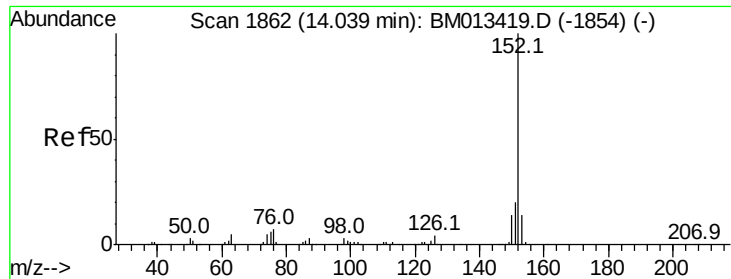
Instrument :
BNA_M
ClientSampleId :
F9A46

Manual Integrations
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12/15/2017 6:49:02 PM

Quant Time: Dec 25 01:34:26 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 05:52:21 2017
Response via : Initial Calibration





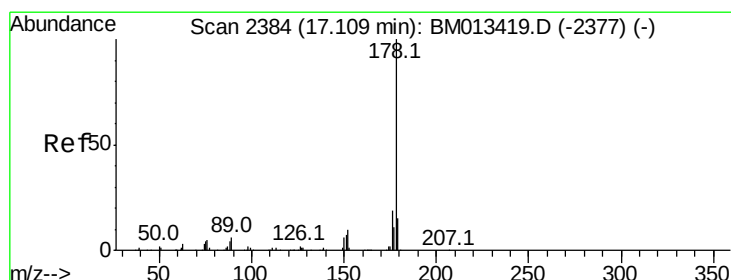
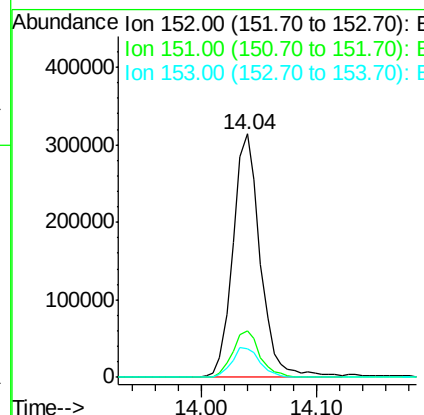
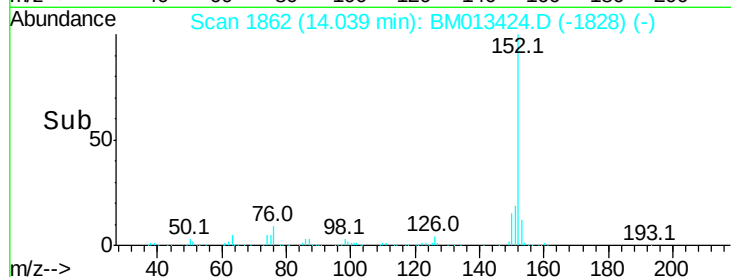
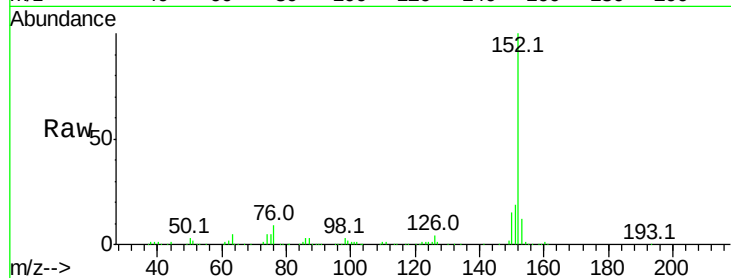
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Acenaphthylene
Concen: 7.816 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

Instrument :
BNA_M
ClientSampleId :
F9A46

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5
153	11.6	10.2	15.4

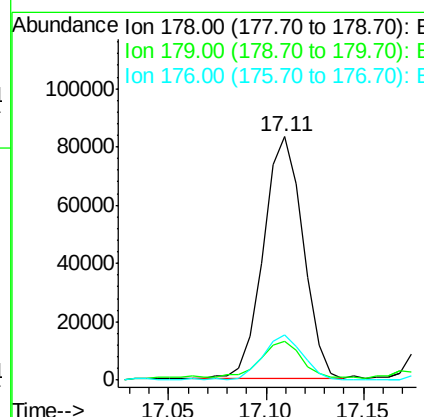
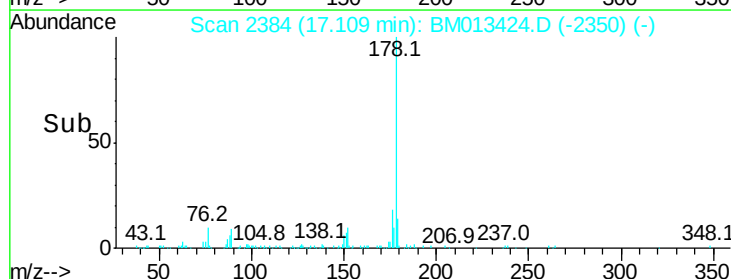
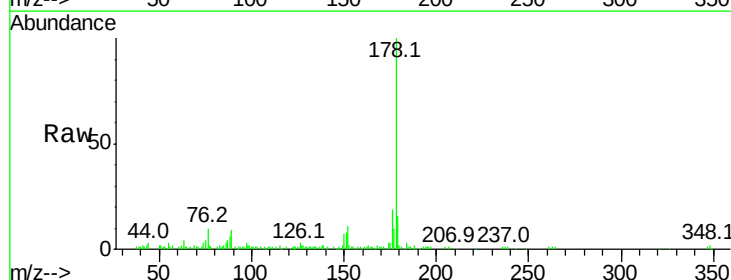
Manual Integrations
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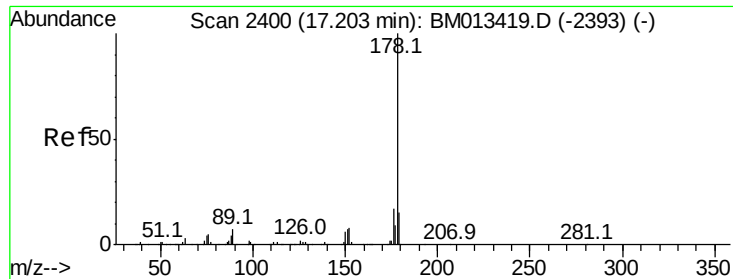
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#69
Phenanthrene
Concen: 1.489 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	18.8	14.9	22.3





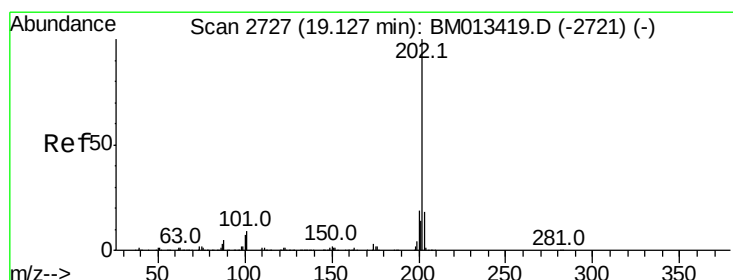
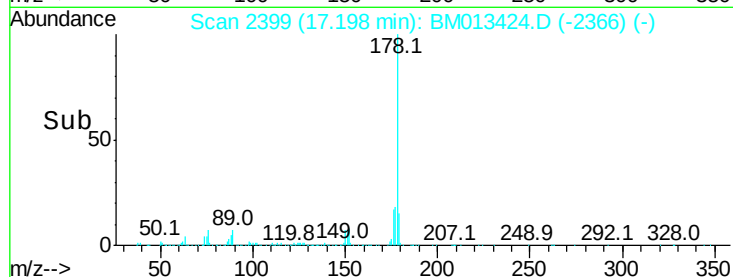
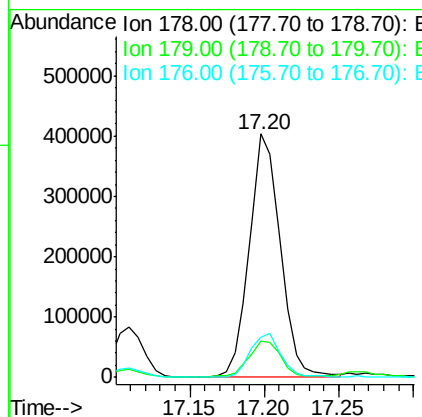
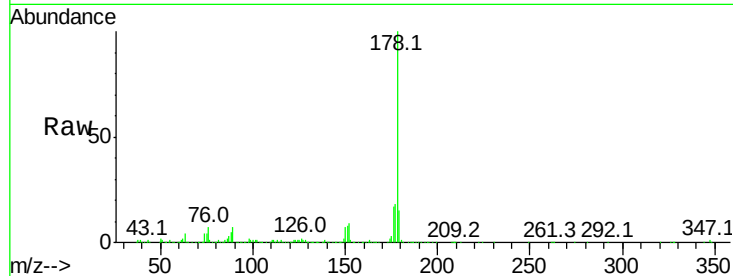
#71
 Anthracene
 Concen: 7.219 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM013424.D
 Acq: 15 Dec 2017 04:49

Instrument :
 BNA_M
 ClientSampleId :
 F9A46

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	16.6	14.6	21.8

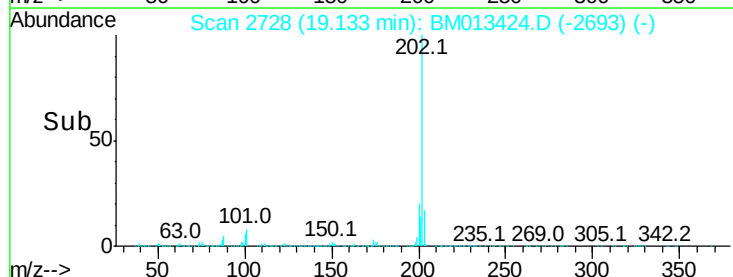
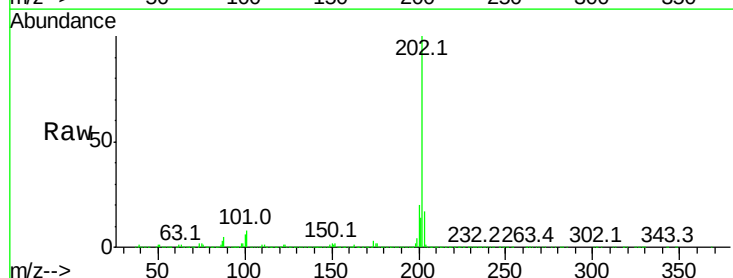
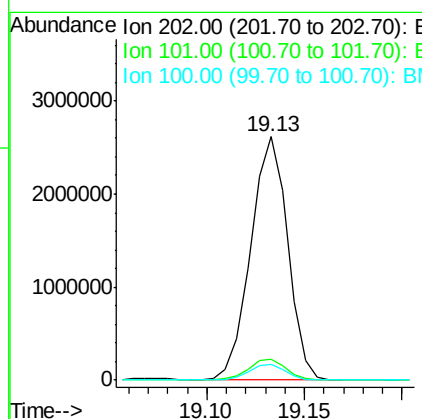
Manual Integrations
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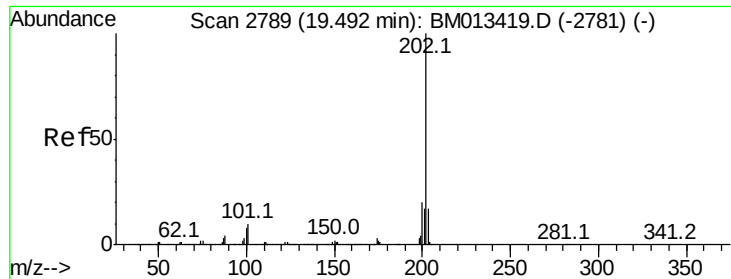
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#74
 Fluoranthene
 Concen: 35.658 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. 0.01 min
 Lab File: BM013424.D
 Acq: 15 Dec 2017 04:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	4.6	7.0#
100	6.3	3.4	5.2#





#77

Pvrene

Concen: 185.297 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

F9A46

Tot Ion:202 Resp:11929981

Ion Ratio Lower Upper

202 100

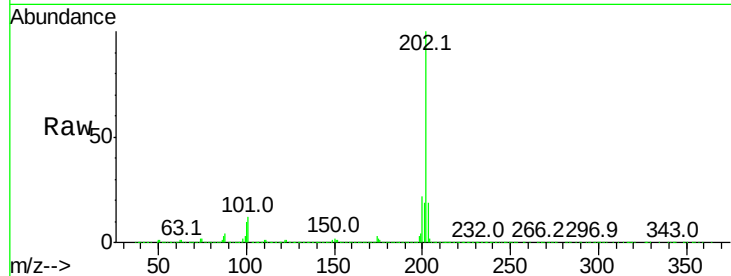
101 11.8 5.1 7.7#

100 9.9 4.9 7.3#

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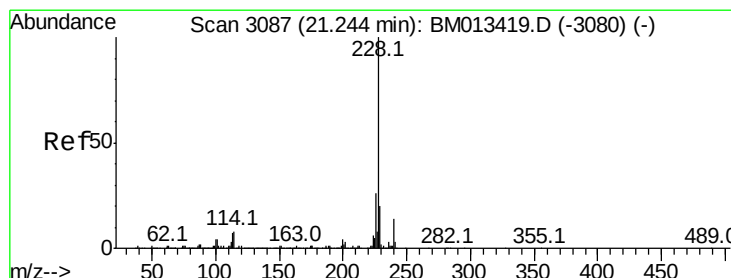
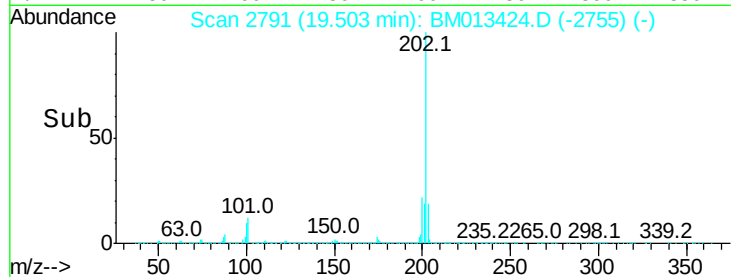
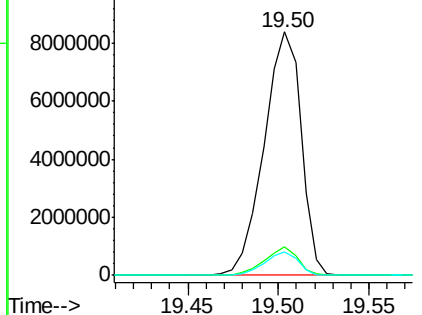
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 32.641 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Tgt Ion:228 Resp: 2194726

Ion Ratio Lower Upper

228 100

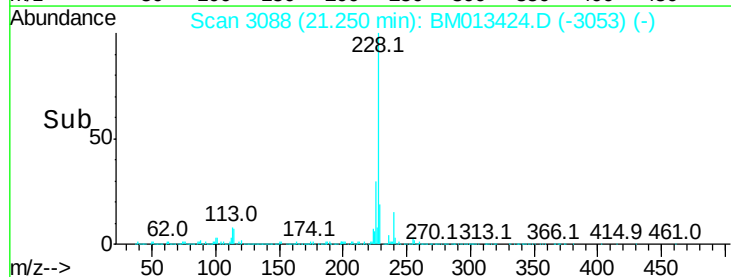
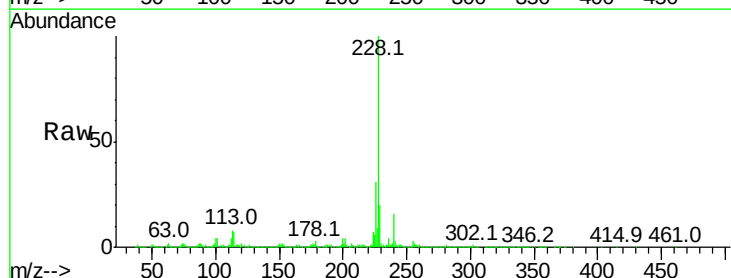
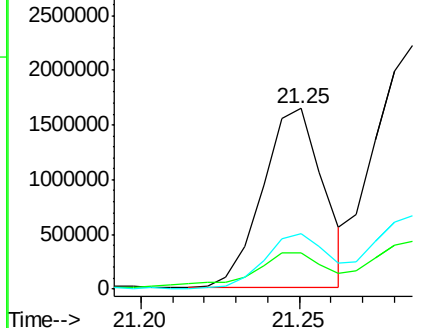
229 20.4 15.4 23.0

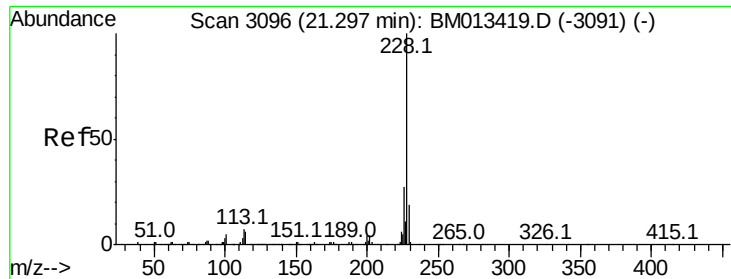
226 30.8 21.4 32.0

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





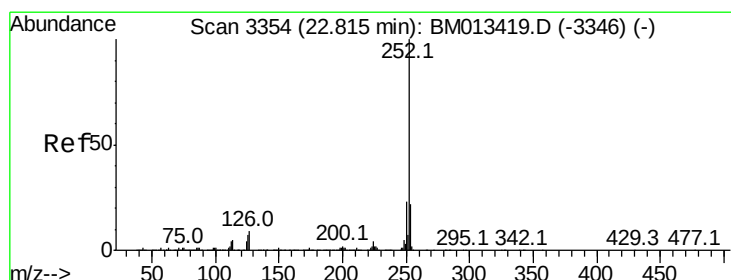
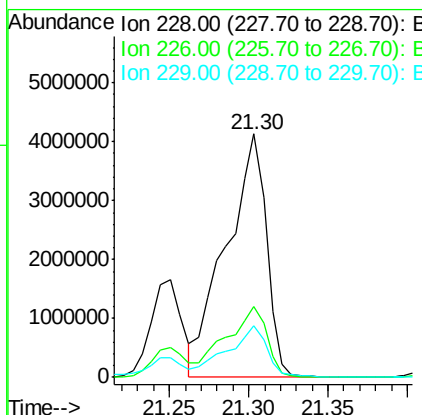
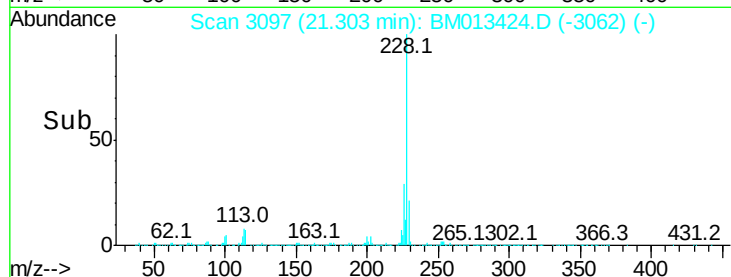
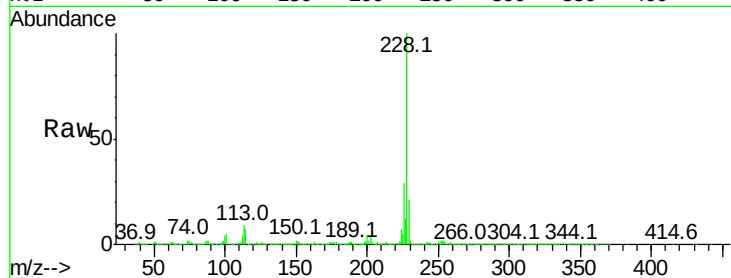
#82
Chrysene
Concen: 116.561 ng/ul
RT: 21.30 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

Instrument :
BNA_M
ClientSampled :
F9A46

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	21.0	15.5	23.3

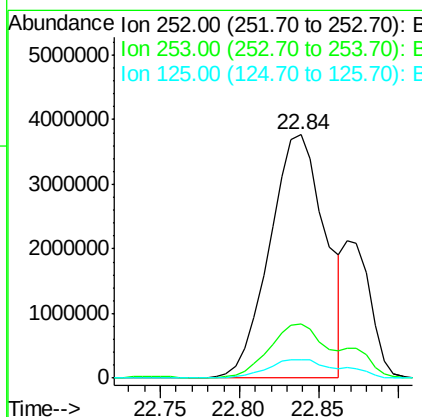
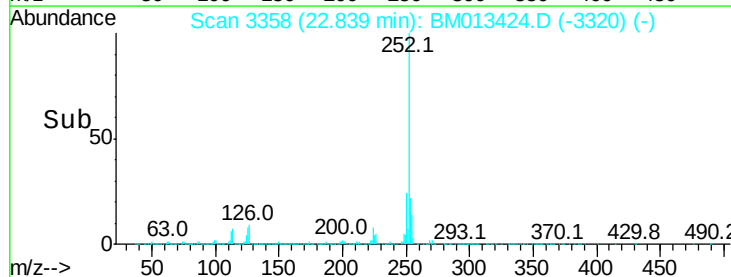
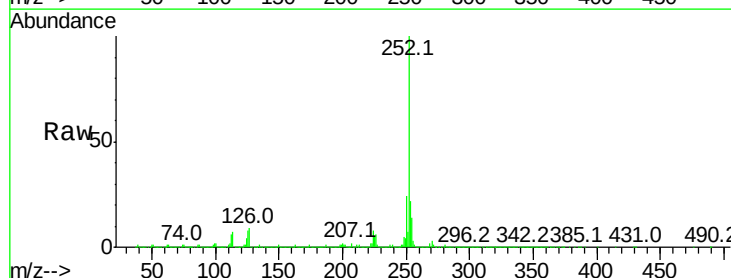
Manual Integrations
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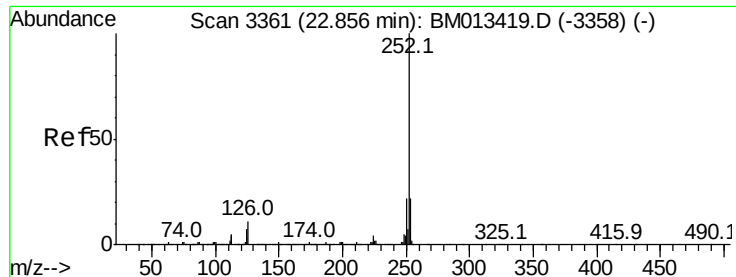
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#85
Benzo(b)fluoranthene
Concen: 156.127 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.02 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	7.8	3.6	5.4





#86

Benzo(k)fluoranthene

Concen: 44.721 ng/ul m

RT: 22.87 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

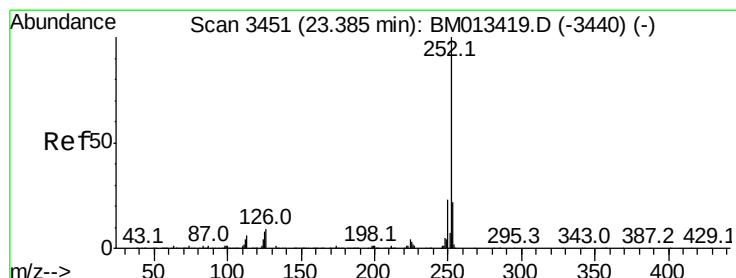
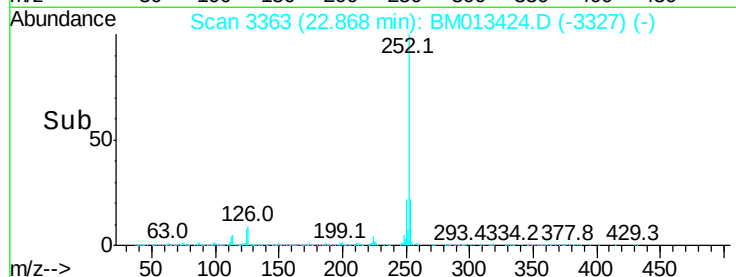
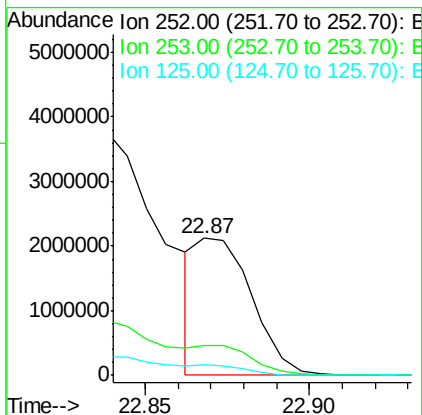
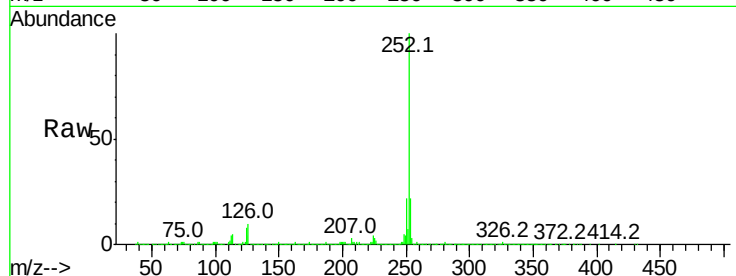
F9A46

Tot Ion:252 Resp: 2475127

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	7.8	3.4	5.2#

Manual Integrations
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#88

Benzo(a)pyrene

Concen: 61.558 ng/ul

RT: 23.40 min Scan# 3453

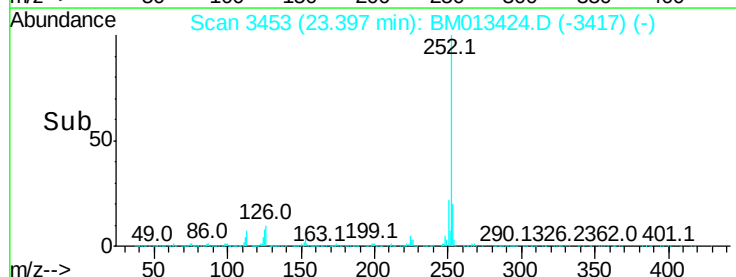
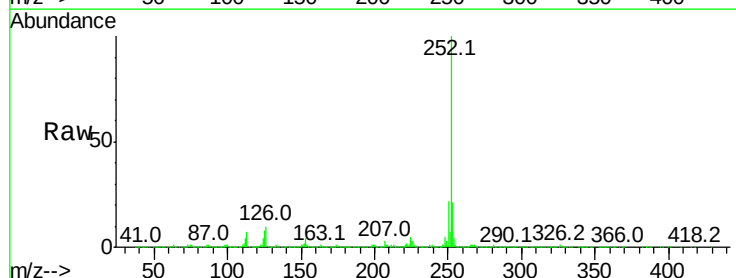
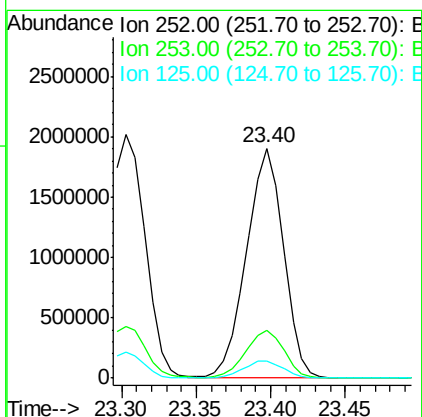
Delta R.T. 0.01 min

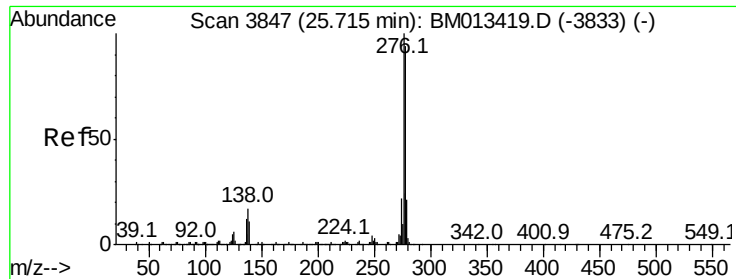
Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Tgt Ion:252 Resp: 3252173

Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.2	27.2
125	7.6	4.0	6.0#





#89

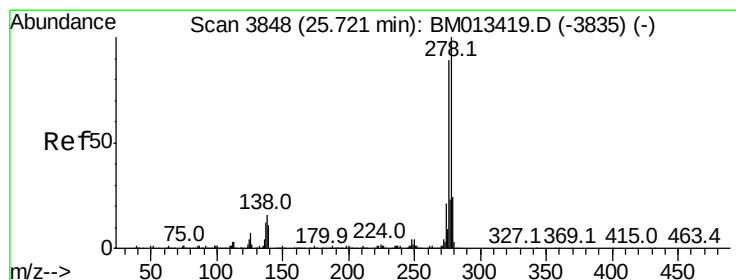
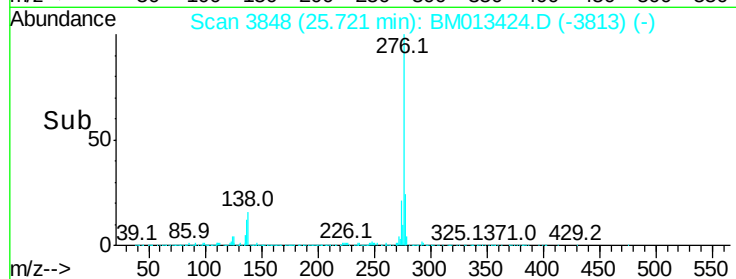
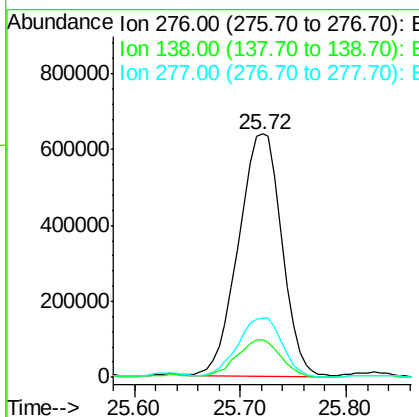
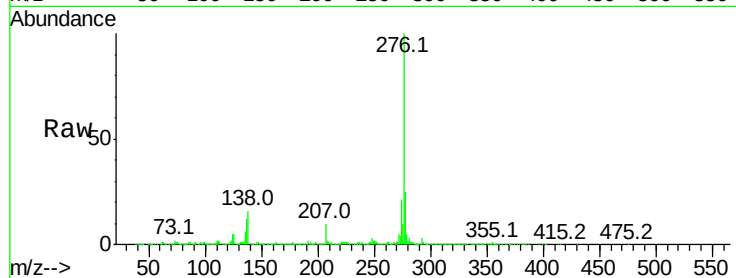
Indeno(1,2,3-cd)pyrene
Concen: 34.700 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. 0.01 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

Instrument :
BNA_M
ClientSampleId :
F9A46

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	9.3	13.9#
277	24.5	19.9	29.9

Manual Integrations
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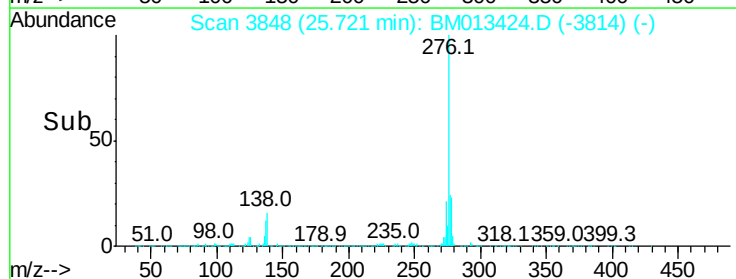
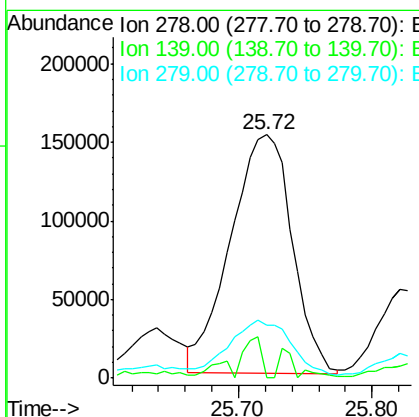
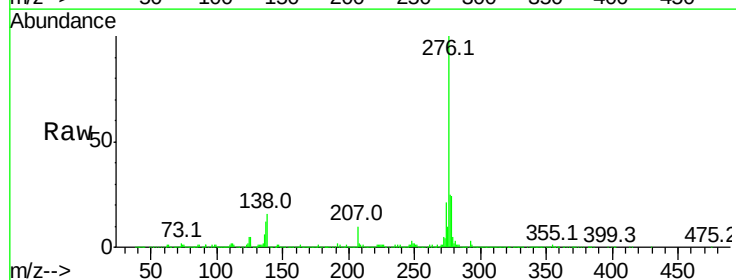
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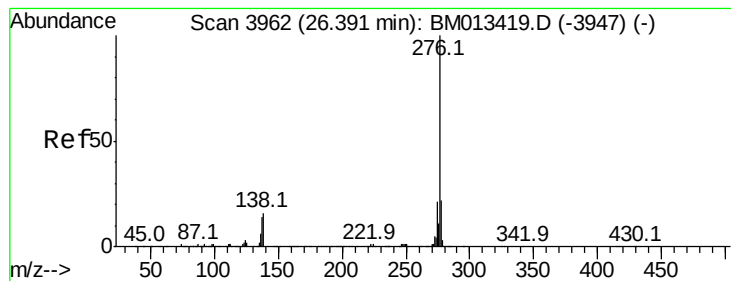


#90

Dibenzo(a,h)anthracene
Concen: 10.905 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. 0.00 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	21.5	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 33.434 ng/ul

RT: 26.41 min Scan# 3965

Delta R.T. 0.02 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

F9A46

Tot Ion:276 Resp: 1382465

Ion Ratio Lower Upper

276 100

138 14.5 8.5 12.7#

277 24.3 18.6 28.0

Manual Integrations

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