

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100517\
 Data File : BM011934.D
 Acq On : 05 Oct 2017 20:45
 Operator : SJ/JU
 Sample : I5449-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-41(0-1)-092617

Manual Integrations
 APPROVED

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 10/6/2017 5:37:03 PM

Quant Time: Oct 12 05:16:30 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 06 04:40:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	249978	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	953111	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	500327	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	1066257	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	1191660	20.00	ng/ul	0.00
83) Perylene-d12	23.76	264	1329654	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	5202	0.98	ng/uL	0.00
5) Phenol-d5	7.03	99	84705	3.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	57173	4.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	82827	4.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	68158	3.67	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	34945	5.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	37680	4.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	74282	4.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.82	131	28755	1.71	ng/ul	0.01
43) Dimethylphthalate-d6	13.92	166	235689	5.44	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	269924	5.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.73	143	11757m	1.55	ng/ul	0.02
57) Fluorene-d10	15.50	176	195741	5.11	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	18160	2.53	ng/ul	0.00
70) Anthracene-d10	17.35	188	302396	5.76	ng/ul	0.00
76) Pyrene-d10	19.64	212	345241	6.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	357231	5.58	ng/ul	0.00

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Target Compounds

					Ovalue	
69) Phenanthrene	17.30	178	535869	9.137	ng/ul	99
71) Anthracene	17.39	178	144850	2.427	ng/ul	97
73) Di-n-butylphthalate	18.21	149	65745	1.061	ng/ul#	93
74) Fluoranthene	19.31	202	1449747	20.259	ng/ul#	91
77) Pyrene	19.67	202	1363321	20.633	ng/ul#	91
80) Benzo(a)anthracene	21.42	228	962886	14.105	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.33	149	1004026	26.075	ng/ul	98
82) Chrysene	21.46	228	917648	14.147	ng/ul	95
85) Benzo(b)fluoranthene	23.06	252	1460218	18.067	ng/ul#	95
86) Benzo(k)fluoranthene	23.10	252	493772m	6.120	ng/ul	
88) Benzo(a)pyrene	23.66	252	1027989	13.237	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.14	276	757551	9.116	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.14	278	188973	2.767	ng/ul#	78
91) Benzo(g,h,i)perylene	26.87	276	674368	9.810	ng/ul#	91

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

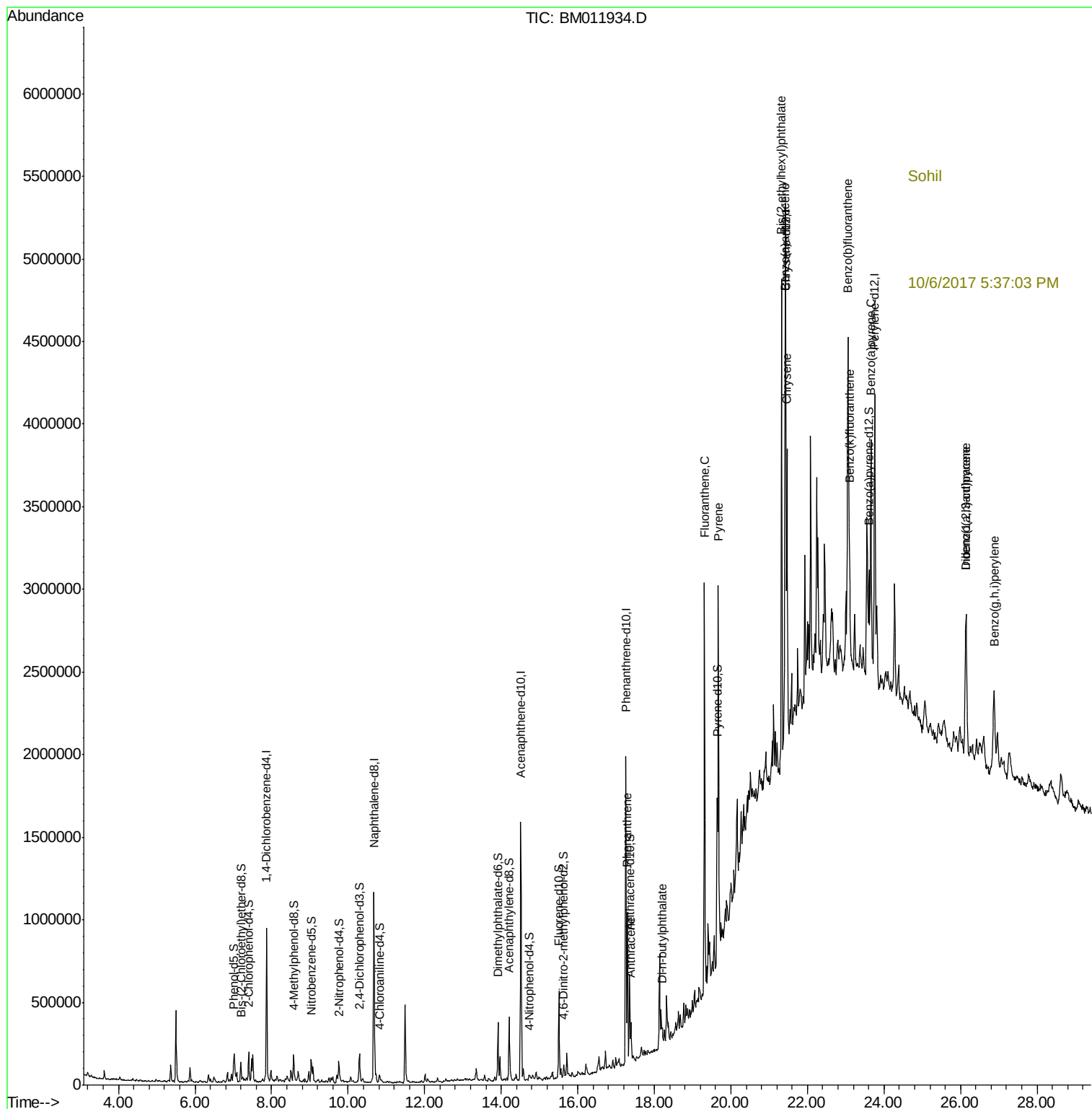
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100517\
Data File : BM011934.D
Acq On : 05 Oct 2017 20:45
Operator : SJ/JU
Sample : I5449-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
B-41(0-1)-092617

Manual Integrations
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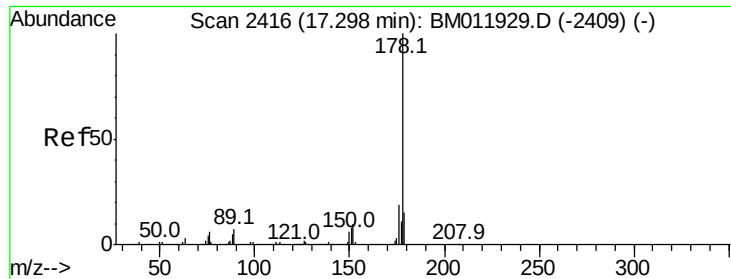
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Quant Time: Oct 12 05:16:30 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
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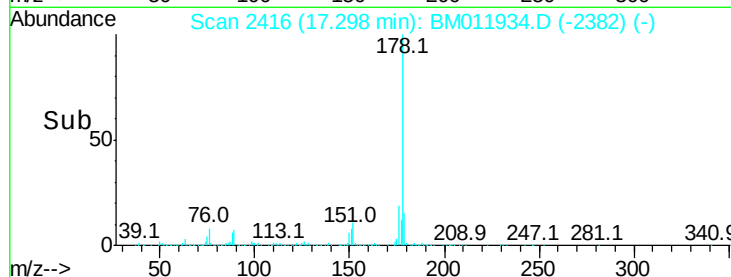
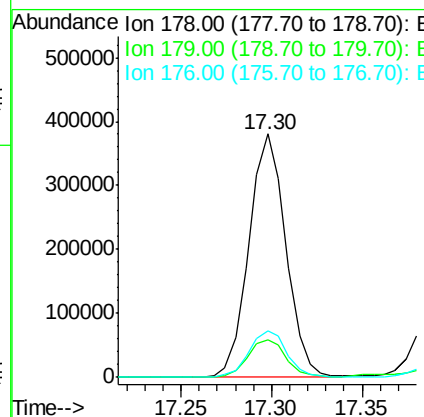
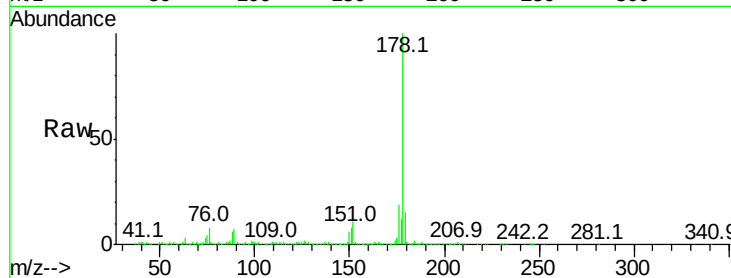
#69
 Phenanthrene
 Concen: 9.137 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.00 min
 Lab File: BM011934.D
 Acq: 05 Oct 2017 20:45

Instrument :
 BNA_M
 ClientSampled :
 B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	18.9	14.9	22.3

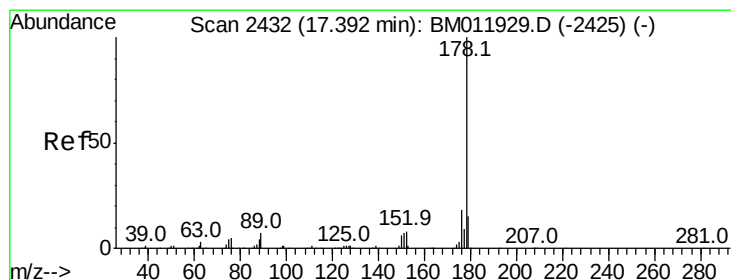
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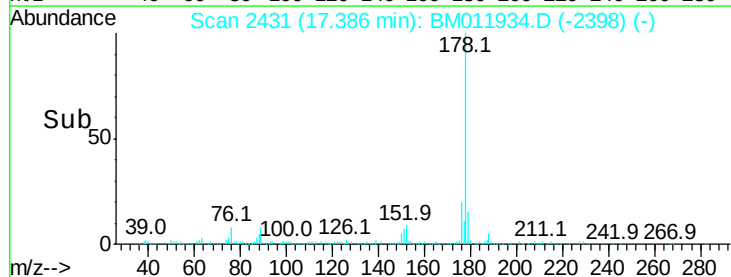
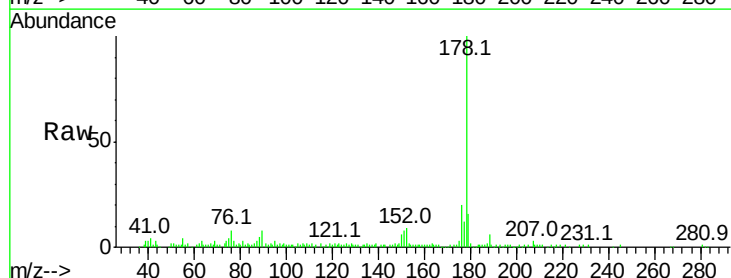
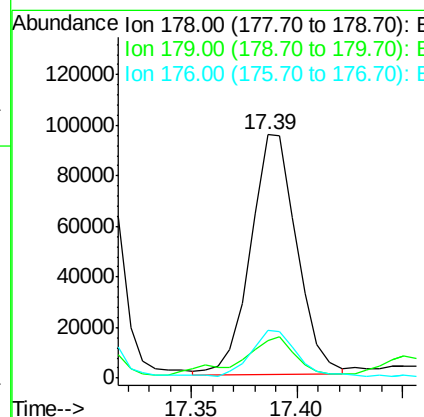
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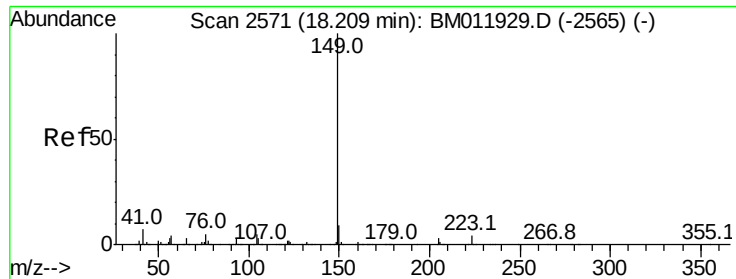
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#71
 Anthracene
 Concen: 2.427 ng/ul
 RT: 17.39 min Scan# 2431
 Delta R.T. -0.01 min
 Lab File: BM011934.D
 Acq: 05 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.7	17.5
176	19.7	14.6	21.8





#73

Di-n-butylphthalate

Concen: 1.061 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BM011934.D

Acq: 05 Oct 2017 20:45

Instrument :

BNA_M

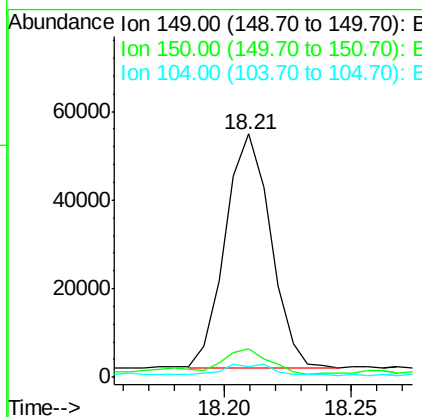
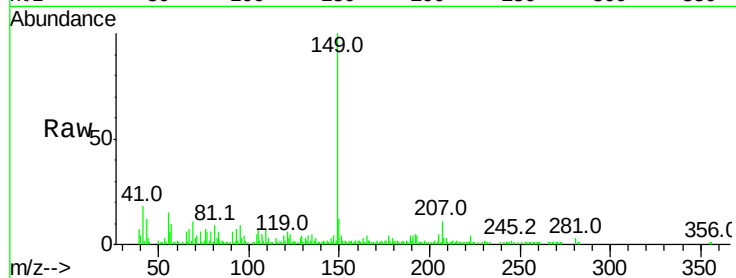
ClientSampled :

B-41(0-1)-092617

Tot Ion:	149	Resp:	65745
Ion Ratio	Lower	Upper	
149	100		
150	11.6	7.1	10.7#
104	4.6	5.6	8.4#

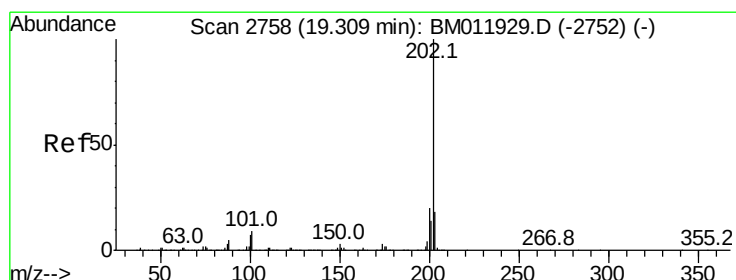
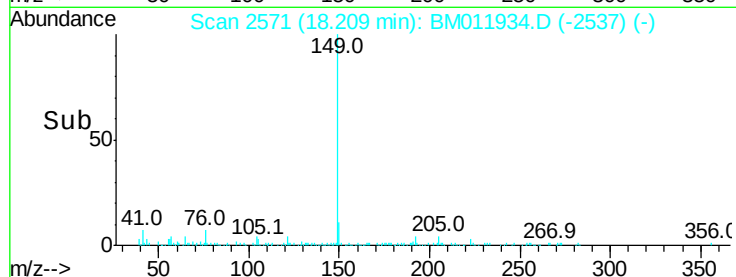
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#74

Fluoranthene

Concen: 20.259 ng/ul

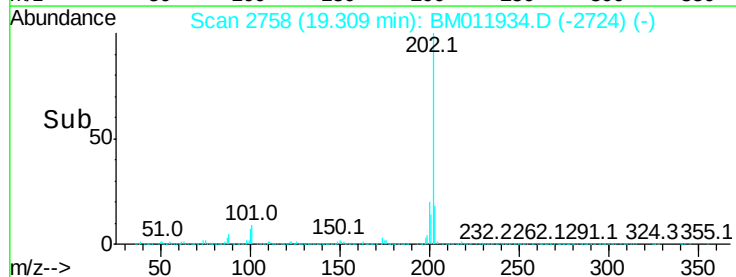
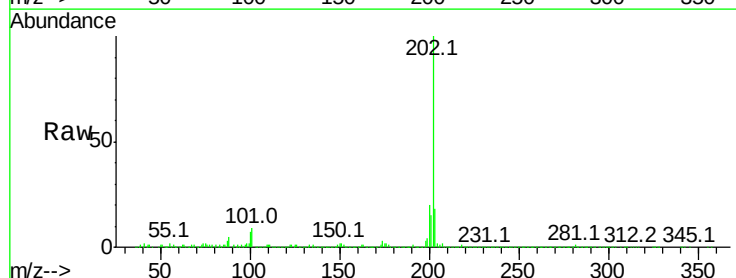
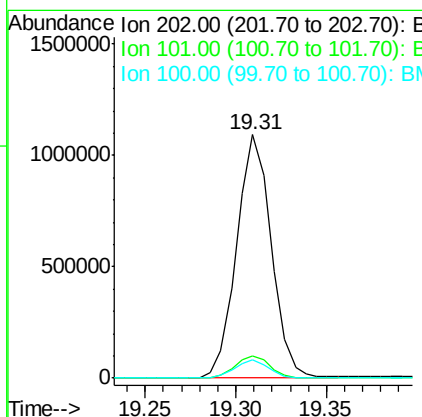
RT: 19.31 min Scan# 2758

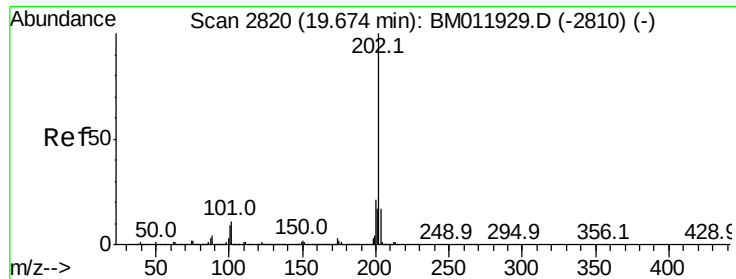
Delta R.T. 0.00 min

Lab File: BM011934.D

Acq: 05 Oct 2017 20:45

Tgt Ion:	202	Resp:	1449747
Ion Ratio	Lower	Upper	
202	100		
101	9.0	4.6	7.0#
100	7.3	3.4	5.2#





#77

Pvrene

Concen: 20.633 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BM011934.D

Acq: 05 Oct 2017 20:45

Instrument :

BNA_M

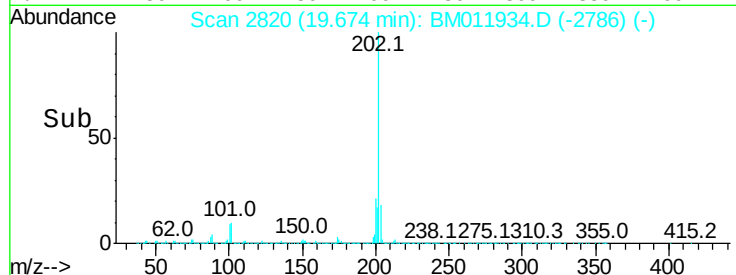
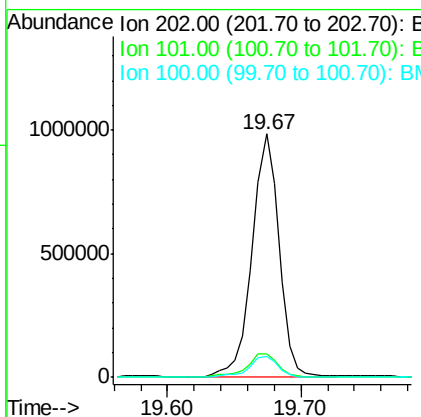
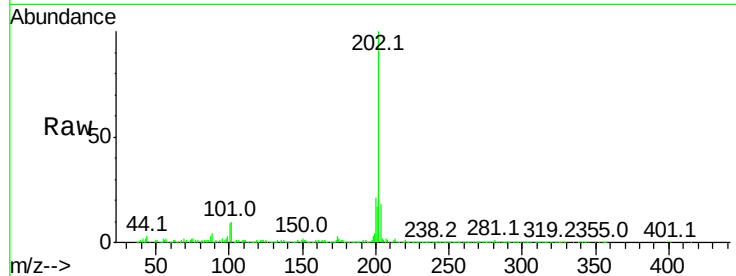
ClientSampleId :

B-41(0-1)-092617

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1363321		
101	9.9	5.1	7.7#	
100	8.6	4.9	7.3#	

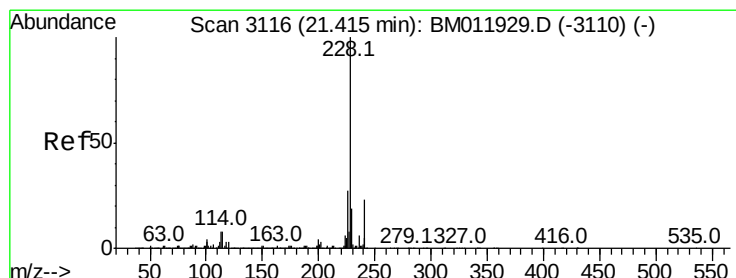
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#80

Benzo(a)anthracene

Concen: 14.105 ng/ul

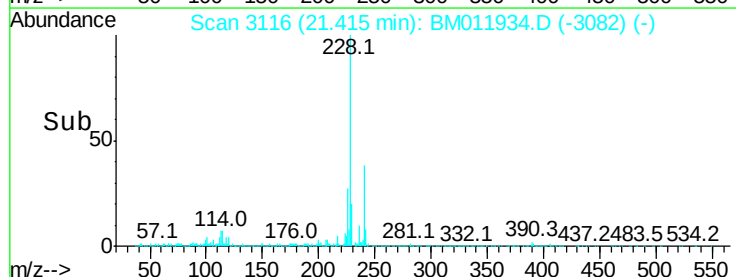
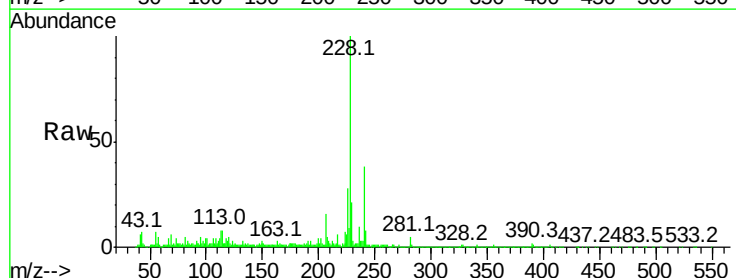
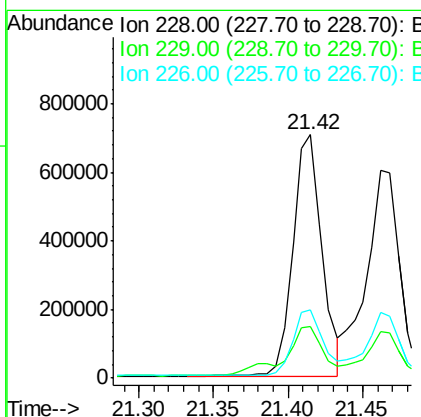
RT: 21.42 min Scan# 3116

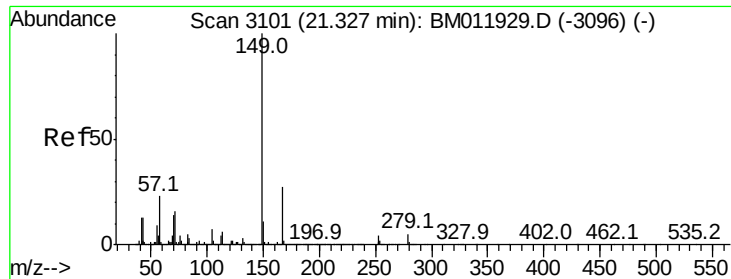
Delta R.T. 0.00 min

Lab File: BM011934.D

Acq: 05 Oct 2017 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	962886		
229	21.0	15.4	23.0	
226	28.2	21.4	32.0	





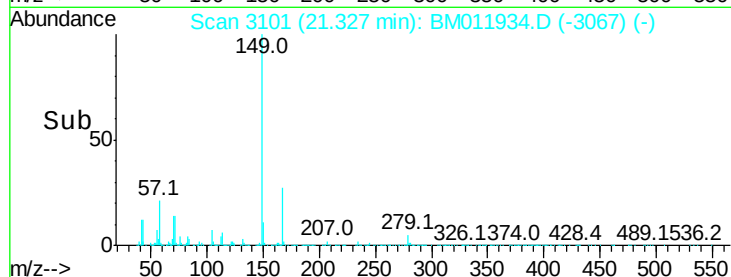
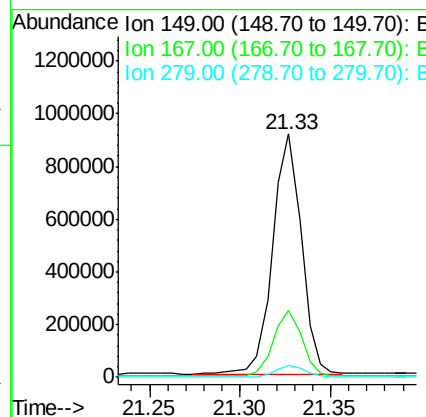
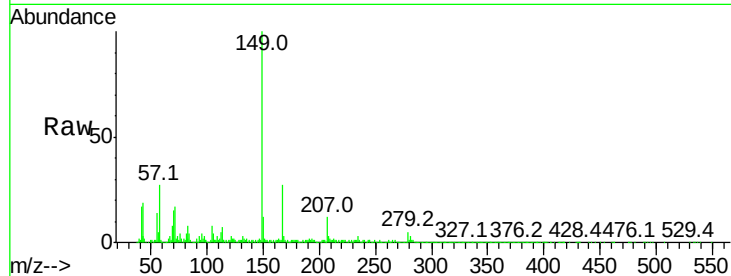
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 26.075 ng/ul
 RT: 21.33 min Scan# 3101
 Delta R.T. 0.00 min
 Lab File: BM011934.D
 Acq: 05 Oct 2017 20:45

Instrument :
 BNA_M
 ClientSampleId :
 B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.8	34.2
279	5.0	4.9	7.3

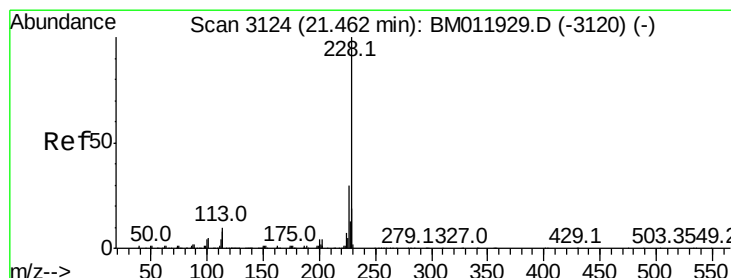
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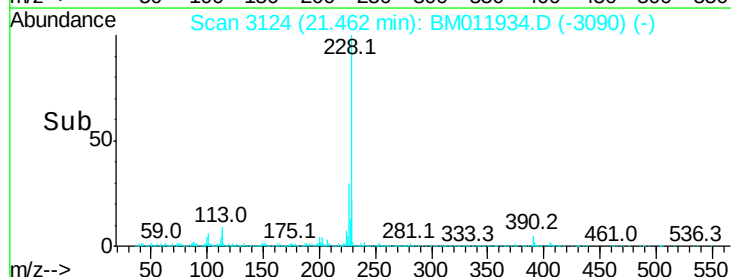
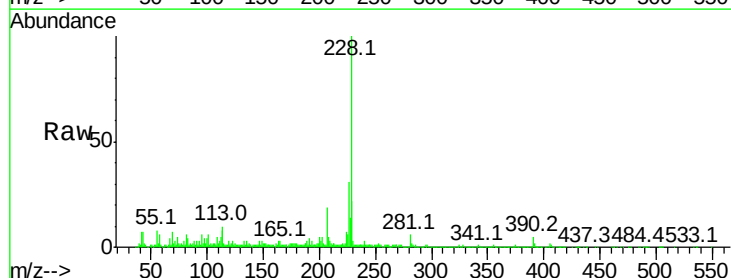
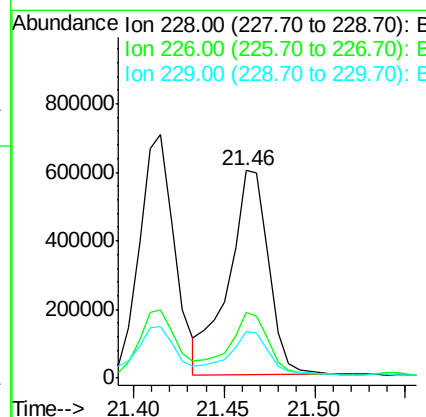
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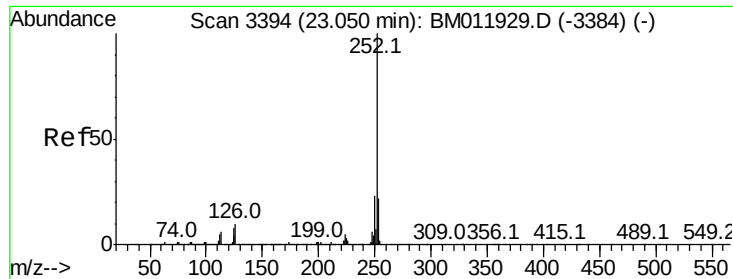
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#82
 Chrysene
 Concen: 14.147 ng/ul
 RT: 21.46 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: BM011934.D
 Acq: 05 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	22.5	15.5	23.3





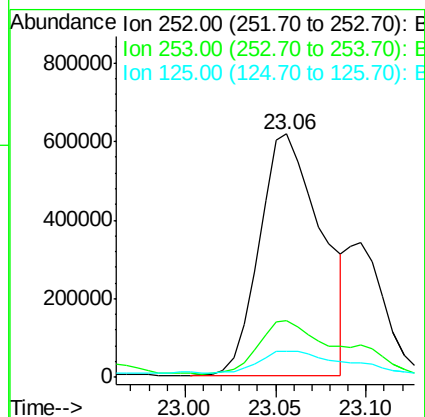
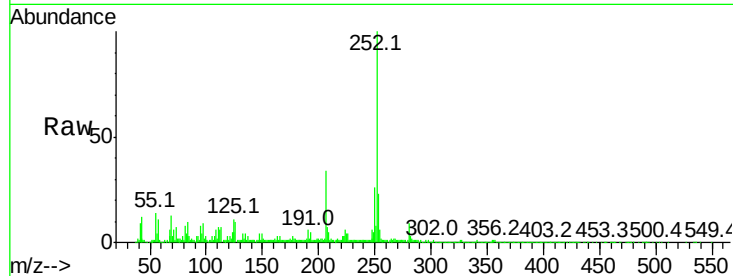
#85
Benzo(b)fluoranthene
Concen: 18.067 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. 0.01 min
Lab File: BM011934.D
Acq: 05 Oct 2017 20:45

Instrument :
BNA_M
ClientSampleId :
B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.8	3.6	5.4

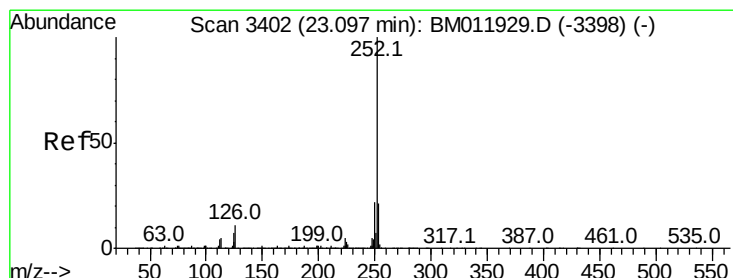
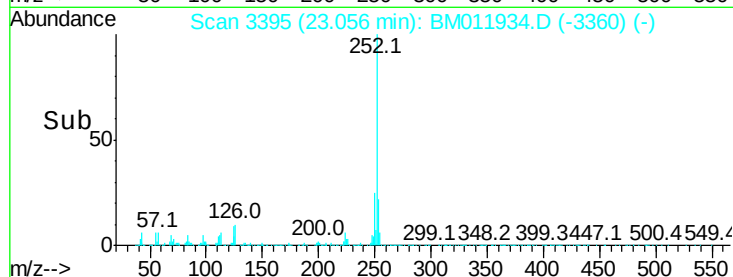
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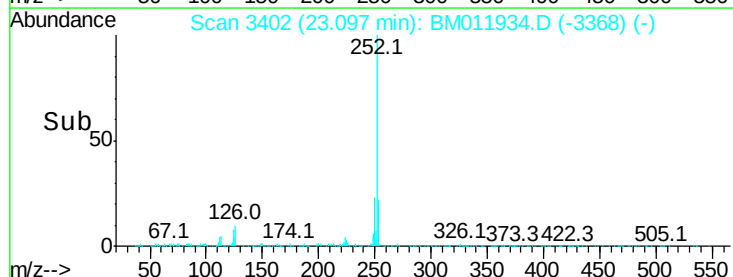
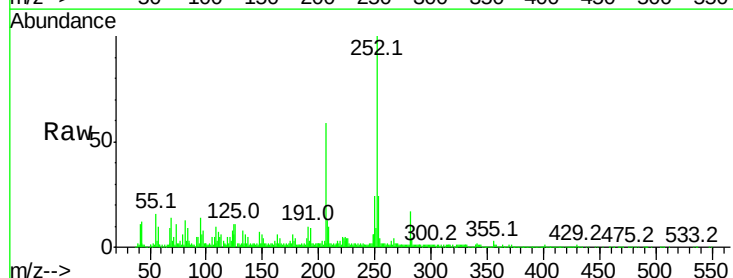
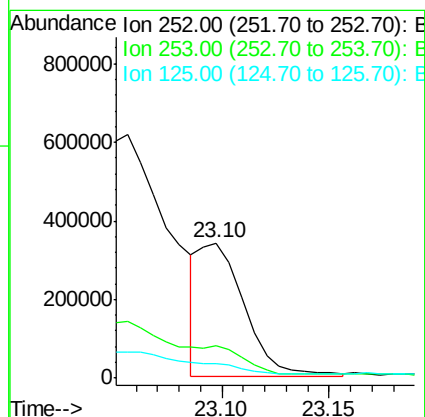
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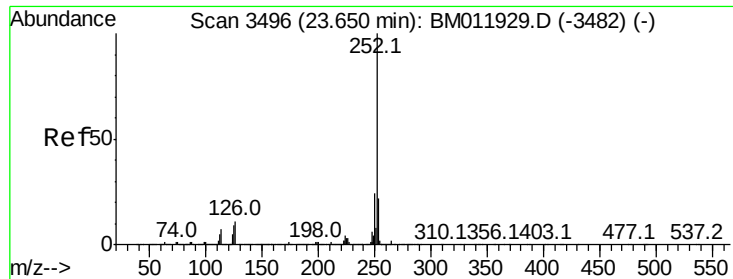
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#86
Benzo(k)fluoranthene
Concen: 6.120 ng/ul m
RT: 23.10 min Scan# 3402
Delta R.T. 0.00 min
Lab File: BM011934.D
Acq: 05 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	11.1	3.4	5.2





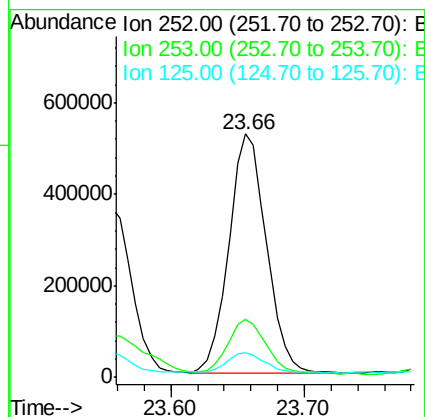
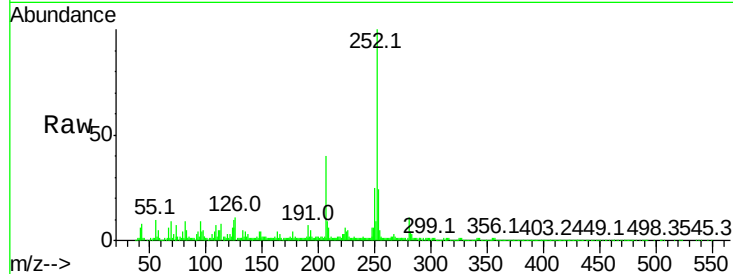
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Benzo(a)pyrene
Concen: 13.237 ng/ul
RT: 23.66 min Scan# 3497
Delta R.T. 0.01 min
Lab File: BM011934.D
Acq: 05 Oct 2017 20:45

Instrument :
BNA_M
ClientSampleId :
B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	10.2	4.0	6.0#

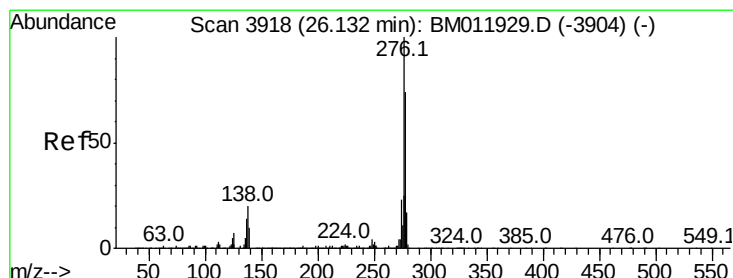
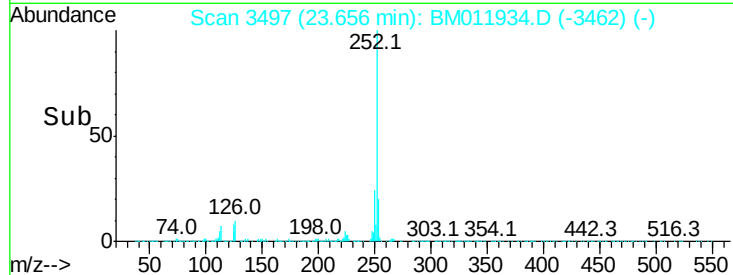
Manual Integrations
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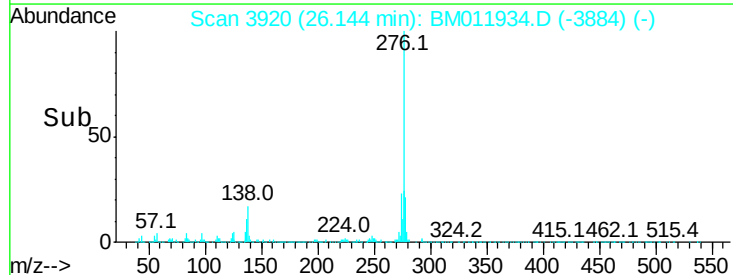
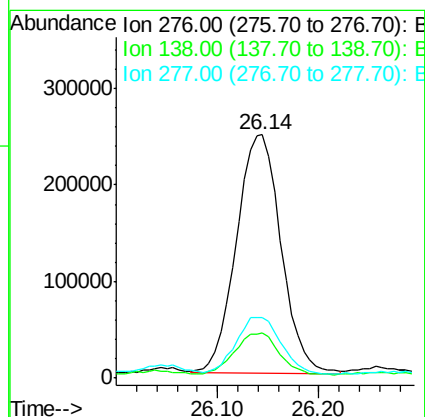
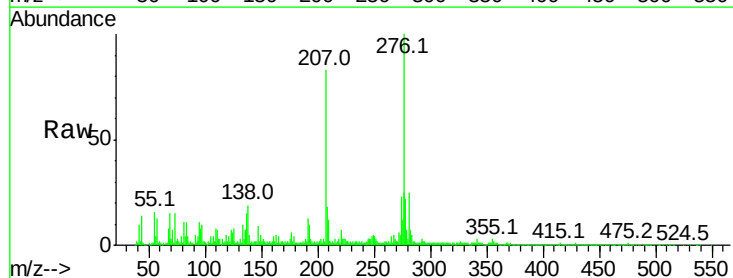
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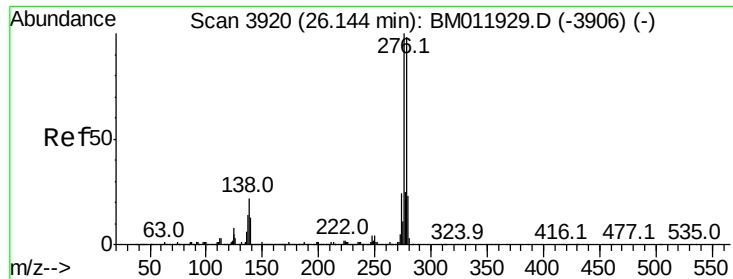
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#89
Indeno(1,2,3-cd)pyrene
Concen: 9.116 ng/ul
RT: 26.14 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BM011934.D
Acq: 05 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	9.3	13.9#
277	25.0	19.9	29.9





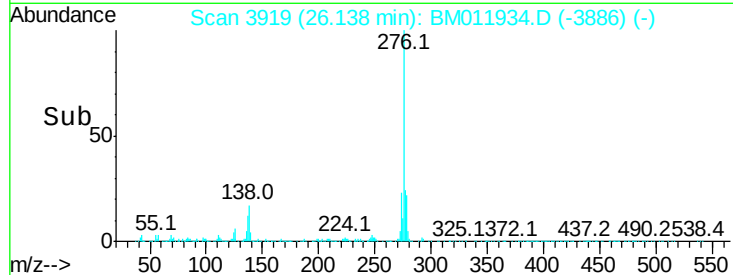
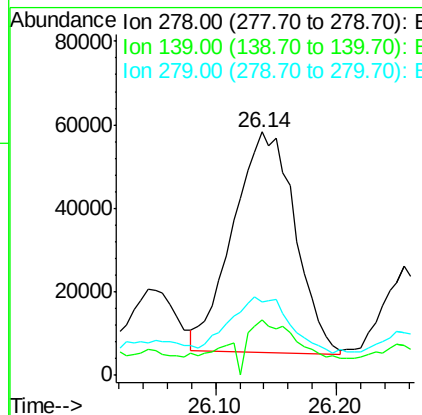
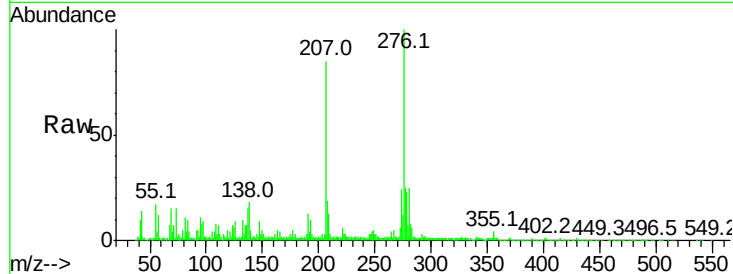
#90
Dibenzo(a,h)anthracene
Concen: 2.767 ng/ul
RT: 26.14 min Scan# 3919
Delta R.T. -0.01 min
Lab File: BM011934.D
Acq: 05 Oct 2017 20:45

Instrument :
BNA_M
ClientSampleId :
B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.7	5.8	8.8#
279	30.4	18.6	27.8#

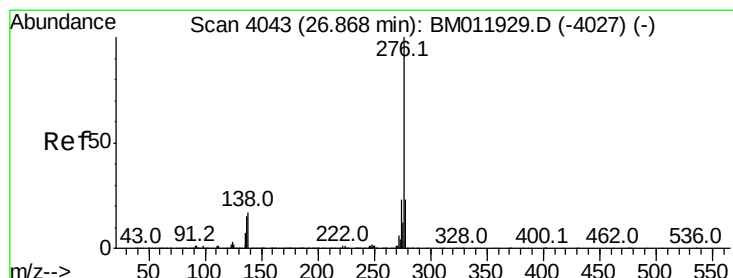
Manual Integrations
APPROVED

Sohil
10/6/2017 5:37:03 PM



Sohil

10/6/2017 5:37:03 PM



#91
Benzo(g,h,i)perylene
Concen: 9.810 ng/ul
RT: 26.87 min Scan# 4044
Delta R.T. 0.01 min
Lab File: BM011934.D
Acq: 05 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	8.5	12.7#
277	25.5	18.6	28.0

