

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014829.D
 Acq On : 25 Apr 2018 02:54
 Operator : SJ/JU
 Sample : J2431-15DL2 30X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DASP6DL2

Manual Integrations
 APPROVED

Sohil
 4/25/2018 4:31:21 PM

Quant Time: Apr 25 05:03:58 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 02:07:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	502175	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	2115175	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1053446	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2048115	20.00	ng/ul	0.00
75) Chrysene-d12	21.92	240	1921003	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	1970314	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.64	96	190	0.02	ng/uL	-0.01
5) Phenol-d5	7.65	99	27404	0.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	25023	1.01	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	21857	0.67	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	20443	0.66	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	10438	0.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	8454	0.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	18058	0.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	27518	0.90	ng/ul	0.00
43) Dimethylphthalate-d6	14.51	166	58766	0.71	ng/ul	0.00
46) Acenaphthylene-d8	14.82	160	62178	0.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	4818	0.32	ng/ul	0.00
57) Fluorene-d10	16.10	176	57409	0.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	3102	0.28	ng/ul	0.00
70) Anthracene-d10	17.93	188	71388	0.75	ng/ul	0.00
76) Pyrene-d10	20.17	212	74744	0.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.25	264	74964	0.77	ng/ul	0.00

Target Compounds

					Ovalue	
34) 2-Methylnaphthalene	12.99	142	187136	2.614	ng/ul	96
40) 1,1'-Biphenyl	13.97	154	210856	2.489	ng/ul#	98
49) Acenaphthene	15.19	153	1203945	17.220	ng/ul	98
53) Dibenzofuran	15.52	168	1663155	17.131	ng/ul	99
58) Fluorene	16.16	166	2726902	34.785	ng/ul	100
69) Phenanthrene	17.88	178	15421566	140.206	ng/ul	94
71) Anthracene	17.97	178	2870716	25.717	ng/ul	99
74) Fluoranthene	19.84	202	9447099	78.778	ng/ul#	80
77) Pyrene	20.20	202	6541750	58.284	ng/ul#	81
80) Benzo(a)anthracene	21.91	228	1998144	17.787	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.79	149	500544	7.447	ng/ul#	96
82) Chrysene	21.96	228	1503384	14.296	ng/ul	97
85) Benzo(b)fluoranthene	23.65	252	1202906	10.357	ng/ul#	96
86) Benzo(k)fluoranthene	23.69	252	354627m	3.175	ng/ul	
88) Benzo(a)pyrene	24.30	252	746819	6.778	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.98	276	258650	1.941	ng/ul#	91
91) Benzo(g,h,i)perylene	27.78	276	212442	1.937	ng/ul#	88

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

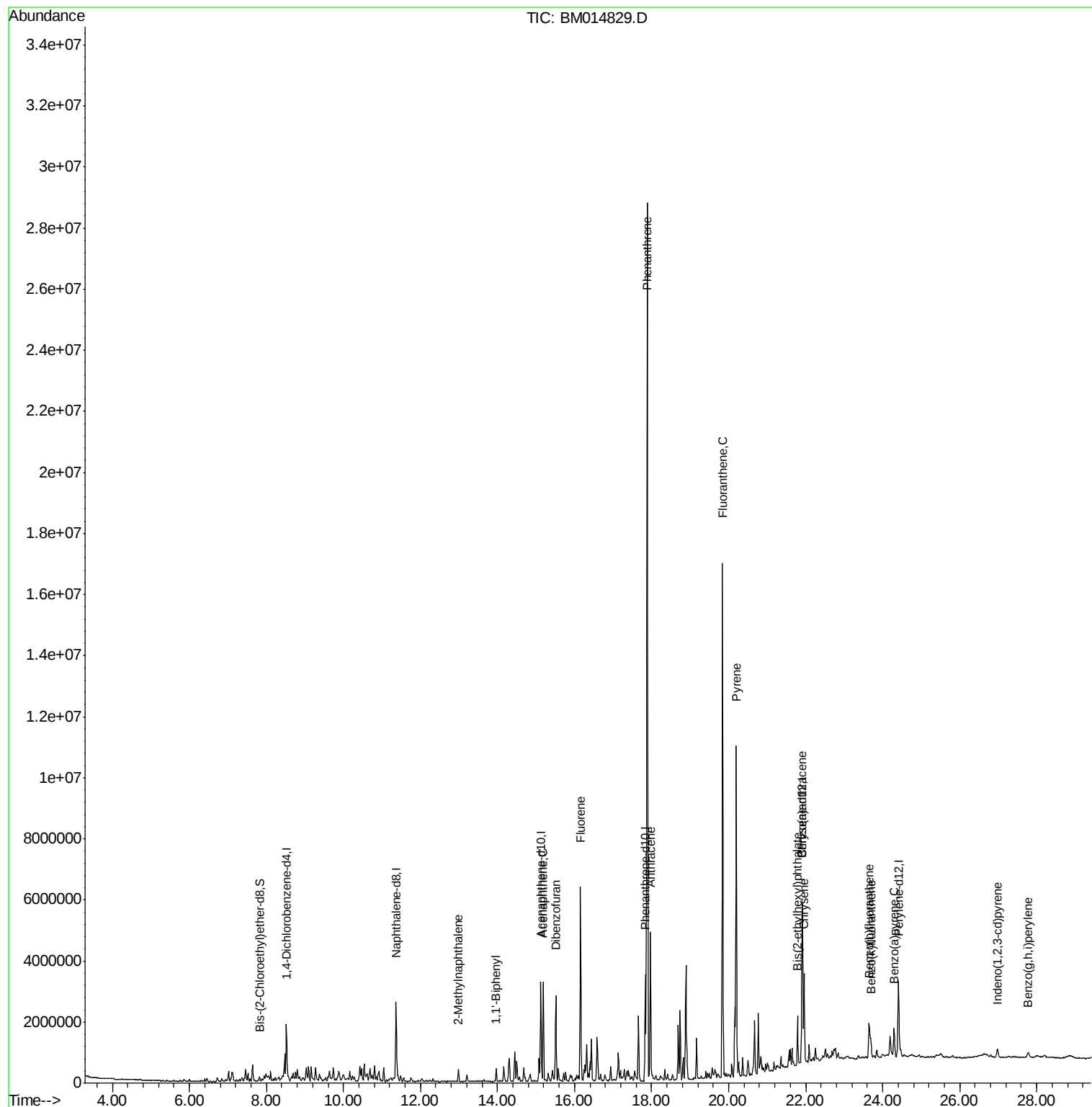
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

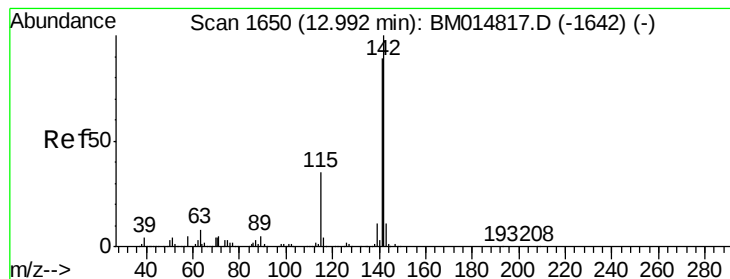
Instrument :
BNA_M
ClientSampleId :
DASP6DL2

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Quant Time: Apr 25 05:03:58 2018
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 25 02:07:23 2018
Response via : Initial Calibration





#34

2-Methylnaphthalene

Concen: 2.614 ng/ul

RT: 12.99 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

DASP6DL2

Tot Ion:142 Resp: 187136

Ion Ratio Lower Upper

142 100

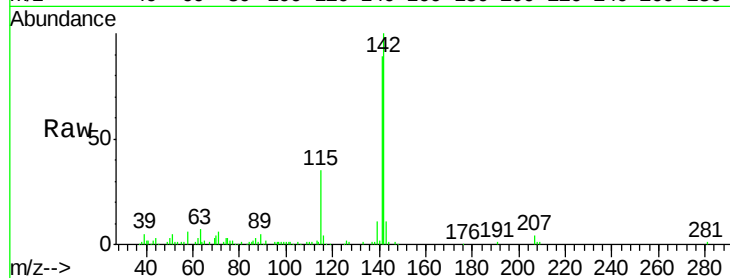
141 89.0 74.1 111.1

Manual Integrations

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

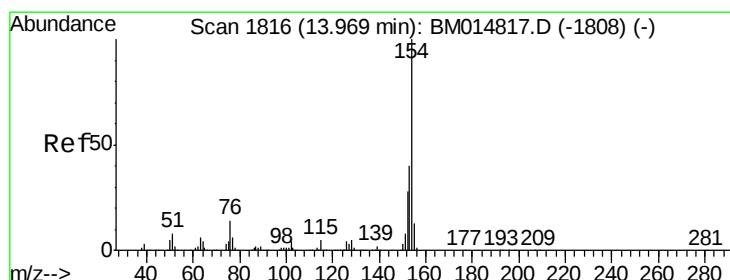
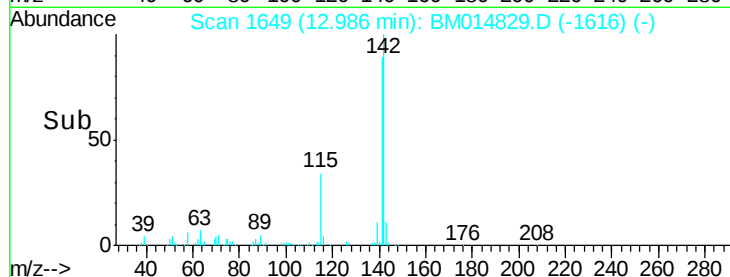
12.99

100000

50000

0

Time--> 12.90 12.95 13.00 13.05



#40

1,1'-Biphenyl

Concen: 2.489 ng/ul

RT: 13.97 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

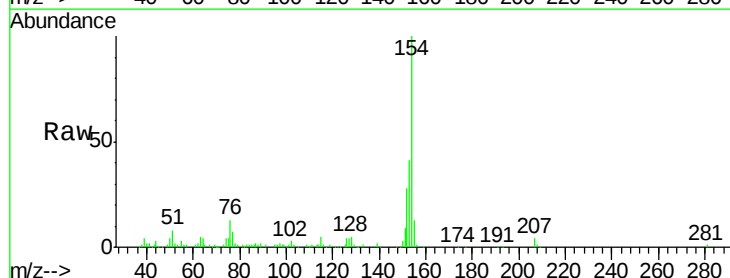
Tgt Ion:154 Resp: 210856

Ion Ratio Lower Upper

154 100

153 41.4 32.6 48.8

76 13.2 8.5 12.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM0

13.97

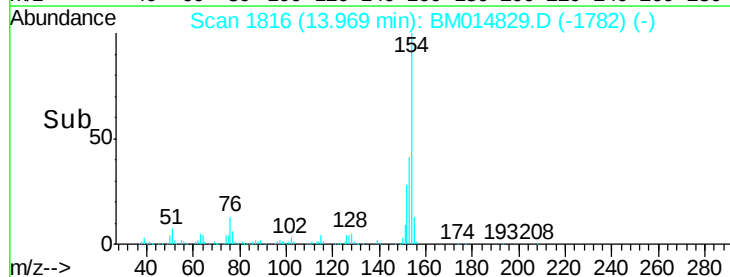
150000

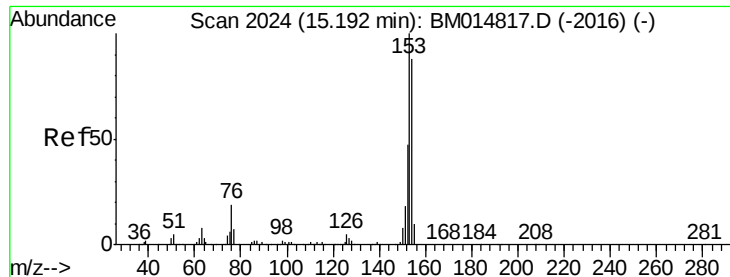
100000

50000

0

Time--> 13.90 13.95 14.00





#49

Acenaphthene

Concen: 17.220 ng/ul

RT: 15.19 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampled :

DASP6DL2

Tot Ion:153 Resp: 1203945

Ion Ratio Lower Upper

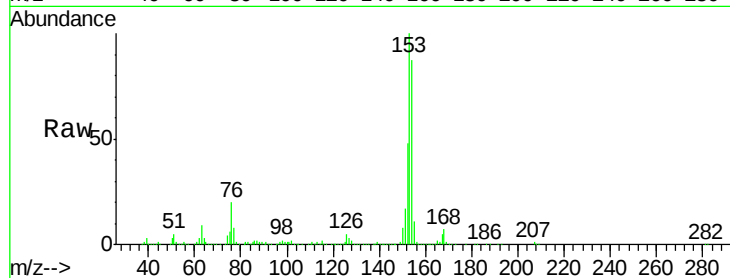
153 100

152 48.0 37.6 56.4

154 86.5 70.4 105.6

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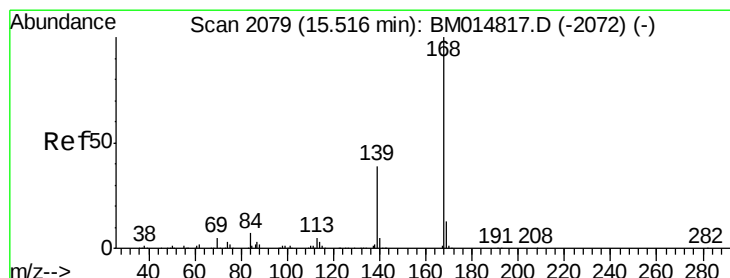
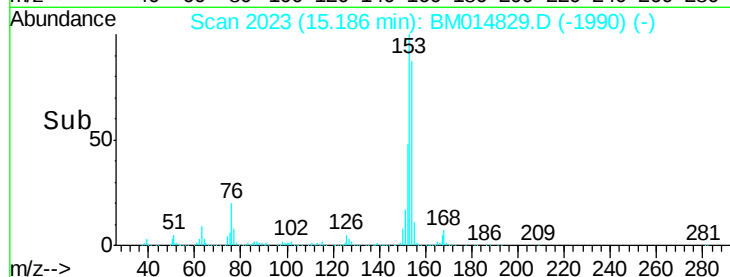
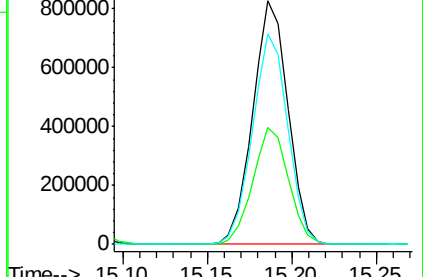
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 17.131 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BM014829.D

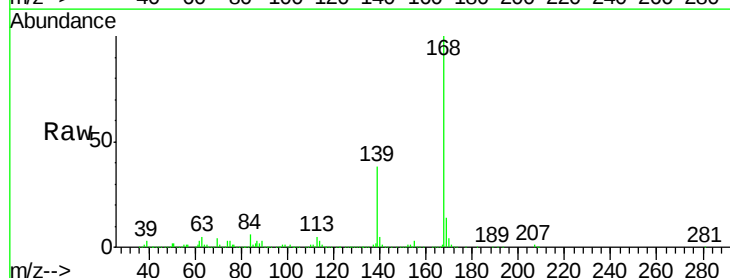
Acq: 25 Apr 2018 02:54

Tgt Ion:168 Resp: 1663155

Ion Ratio Lower Upper

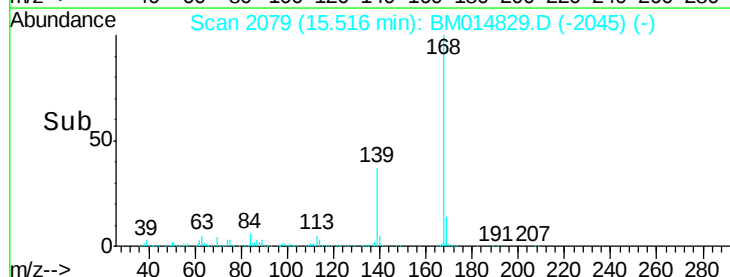
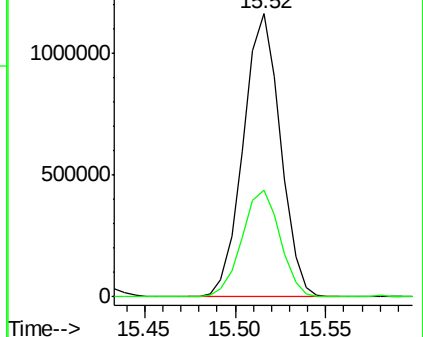
168 100

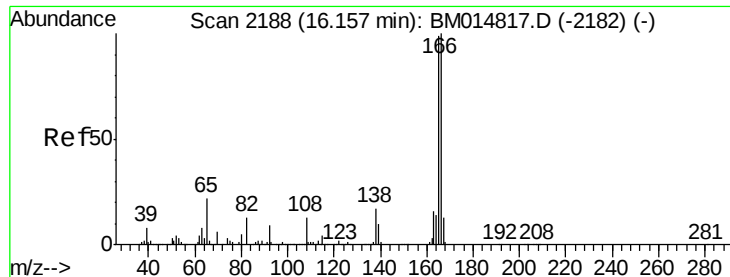
139 37.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 34.785 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampled :

DASP6DL2

Tot Ion:166 Resp: 2726902

Ion Ratio Lower Upper

166 100

165 96.9 77.9 116.9

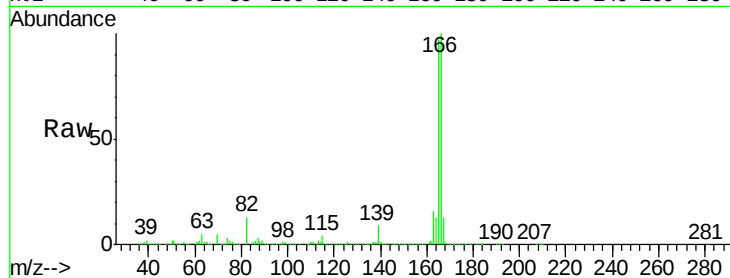
167 13.3 10.6 16.0

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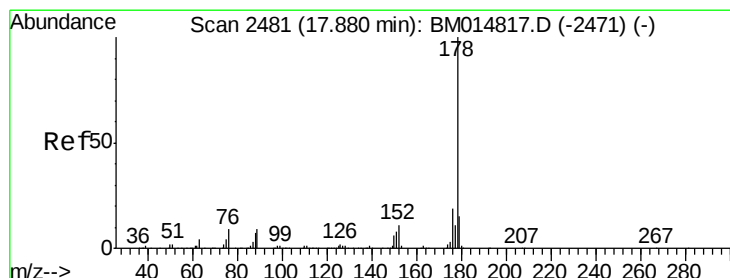
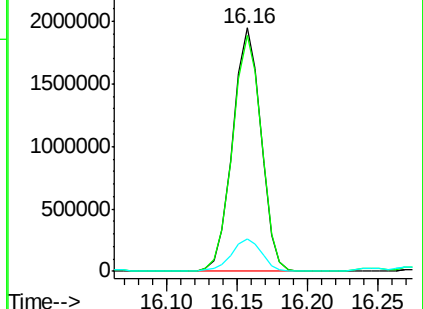
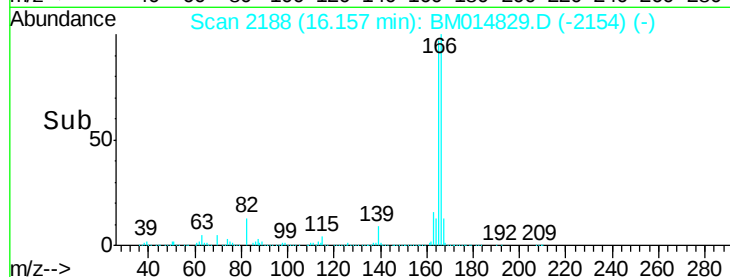
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 140.206 ng/ul

RT: 17.88 min Scan# 2481

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

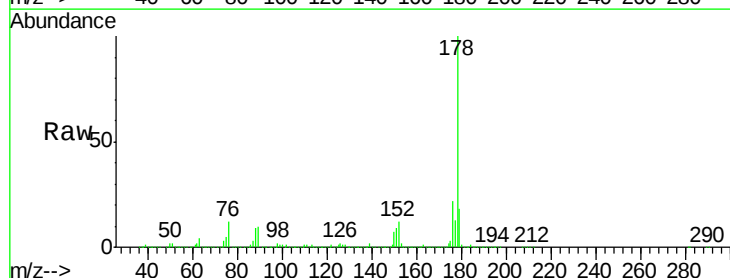
Tgt Ion:178 Resp:15421566

Ion Ratio Lower Upper

178 100

179 18.0 12.6 19.0

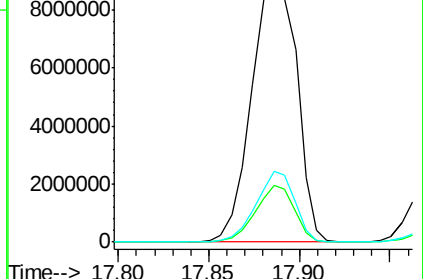
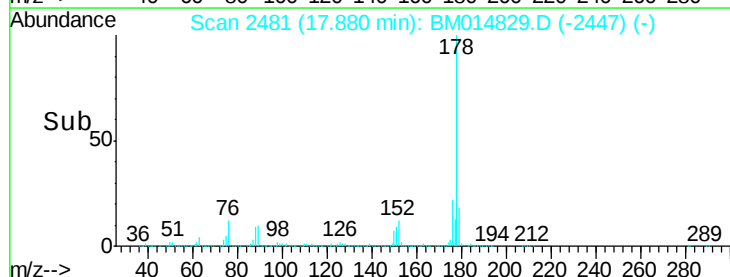
176 21.8 14.9 22.3

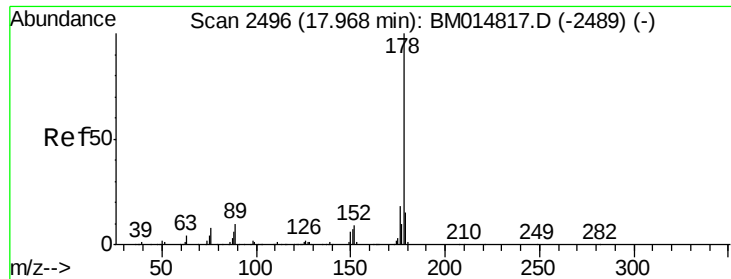


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





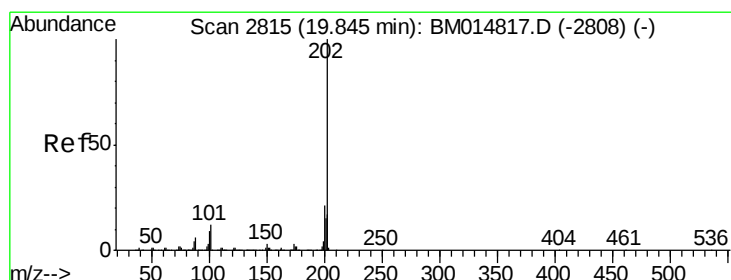
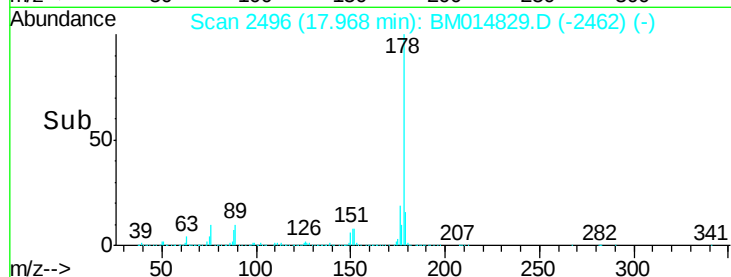
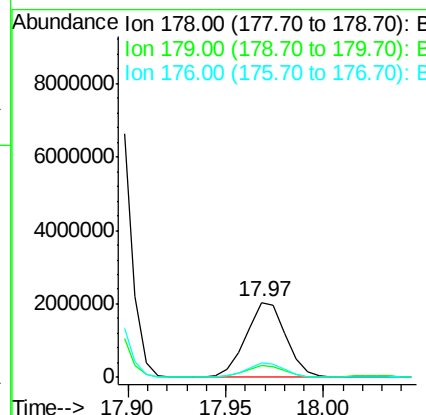
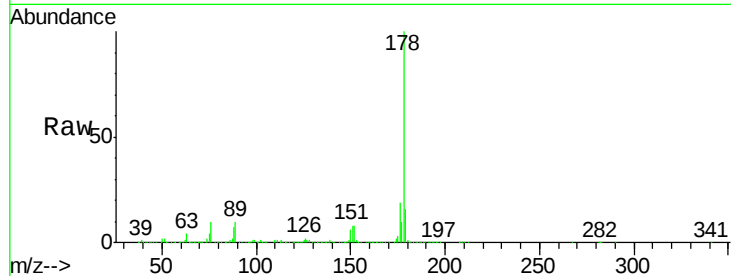
#71
 Anthracene
 Concen: 25.717 ng/ul
 RT: 17.97 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: BM014829.D
 Acq: 25 Apr 2018 02:54

Instrument :
 BNA_M
 ClientSampleId :
 DASP6DL2

Tot Ion:178 Resp: 2870716
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.7 17.5
 176 18.6 14.6 21.8

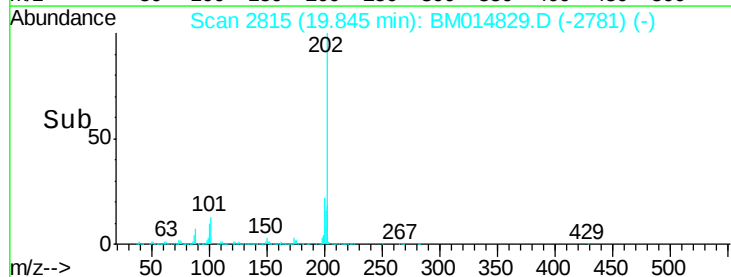
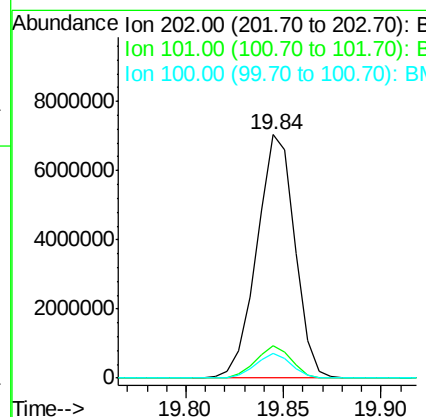
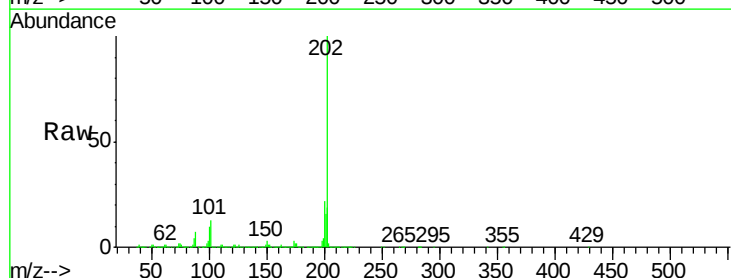
Manual Integrations
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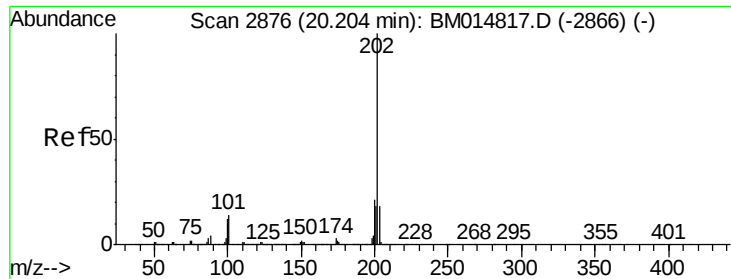
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 4/25/2018 4:31:21 PM



#74
 Fluoranthene
 Concen: 78.778 ng/ul
 RT: 19.84 min Scan# 2815
 Delta R.T. -0.00 min
 Lab File: BM014829.D
 Acq: 25 Apr 2018 02:54

Tgt Ion:202 Resp: 9447099
 Ion Ratio Lower Upper
 202 100
 101 13.3 4.6 7.0#
 100 10.0 3.4 5.2#





#77

Pvrene

Concen: 58.284 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

DASP6DL2

Tot Ion:202 Resp: 6541750

Ion Ratio Lower Upper

202 100

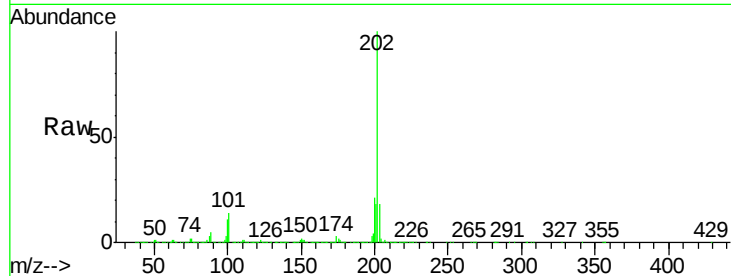
101 14.2 5.1 7.7#

100 11.4 4.9 7.3#

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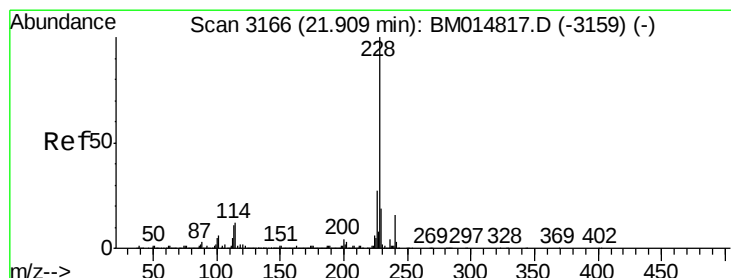
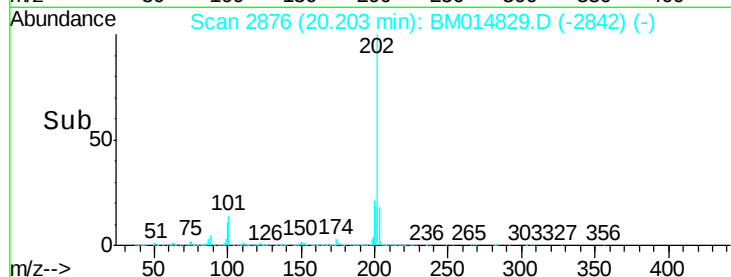
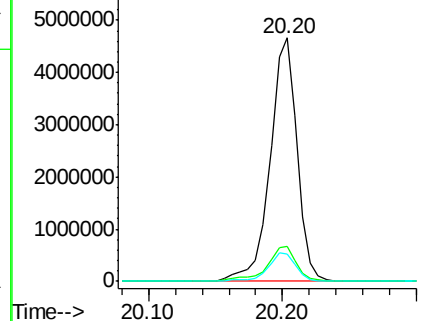
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 17.787 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

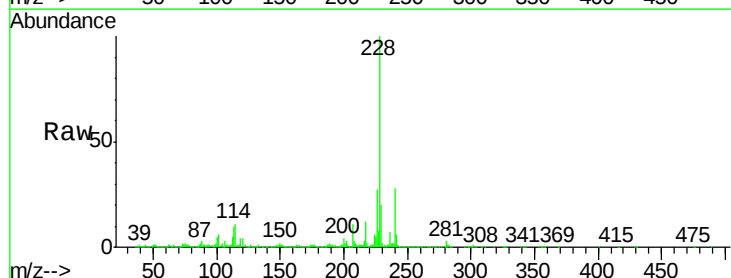
Tgt Ion:228 Resp: 1998144

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

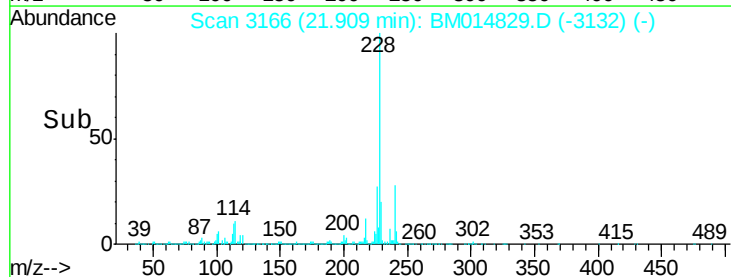
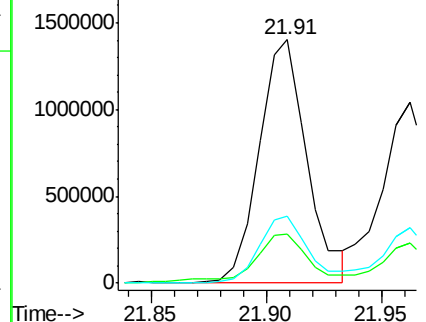
226 27.4 21.4 32.0

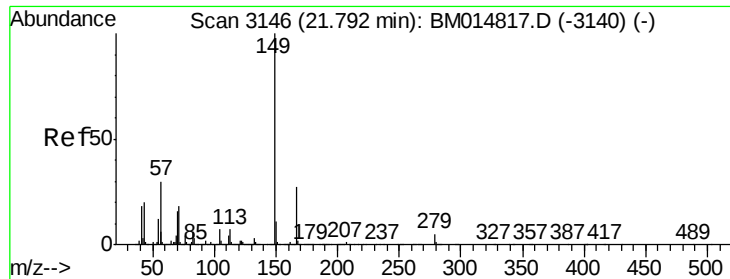


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





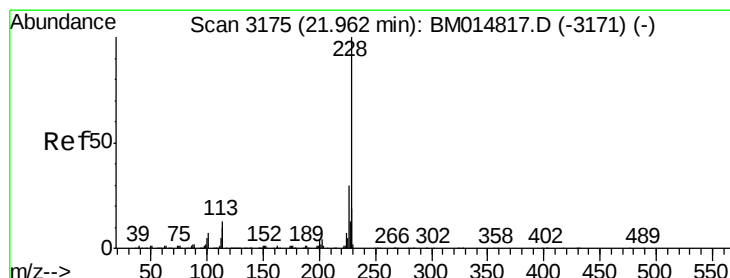
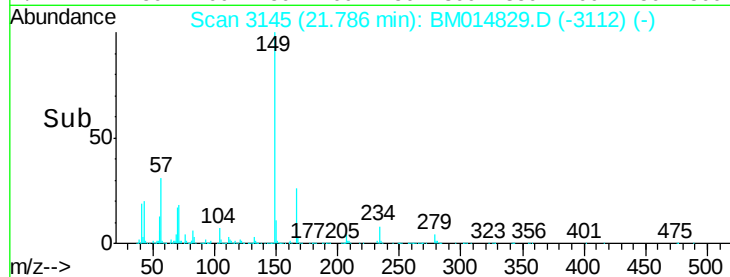
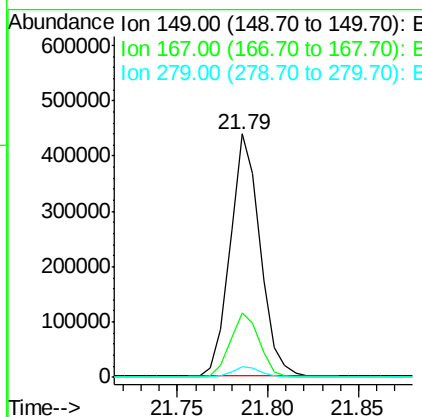
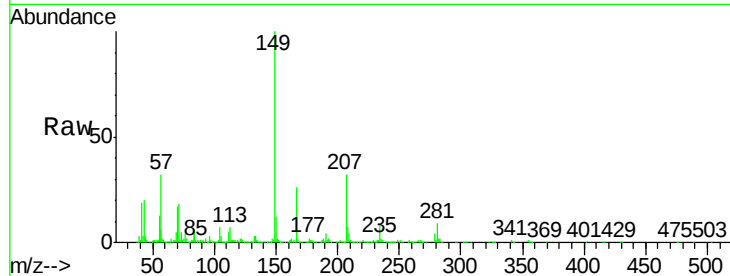
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 7.447 ng/ul
 RT: 21.79 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BM014829.D
 Acq: 25 Apr 2018 02:54

Instrument :
 BNA_M
 ClientSampleID :
 DASP6DL2

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.8	34.2
279	4.2	4.9	7.3

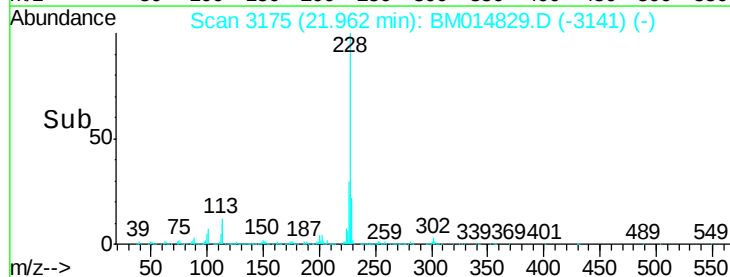
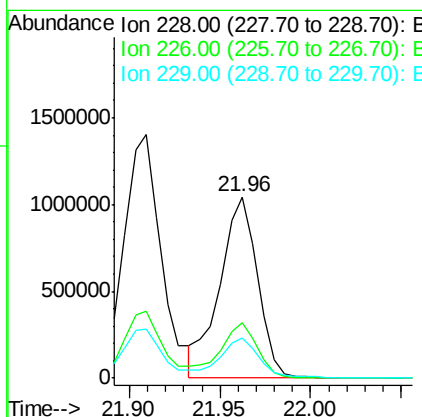
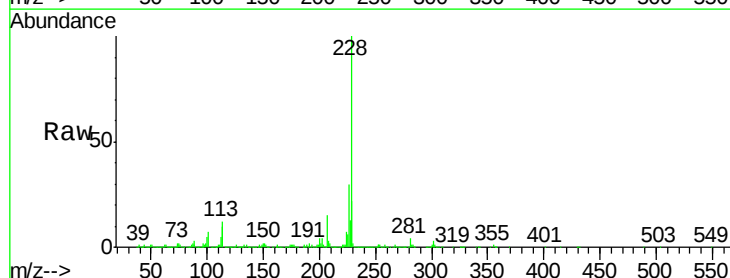
Manual Integrations
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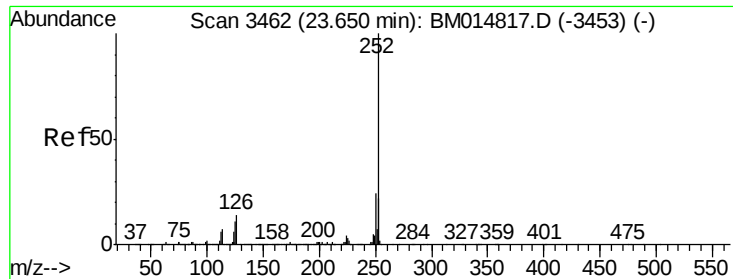
Sohil
 4/25/2018 4:31:21 PM



#82
 Chrysene
 Concen: 14.296 ng/ul
 RT: 21.96 min Scan# 3175
 Delta R.T. -0.00 min
 Lab File: BM014829.D
 Acq: 25 Apr 2018 02:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	21.8	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 10.357 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

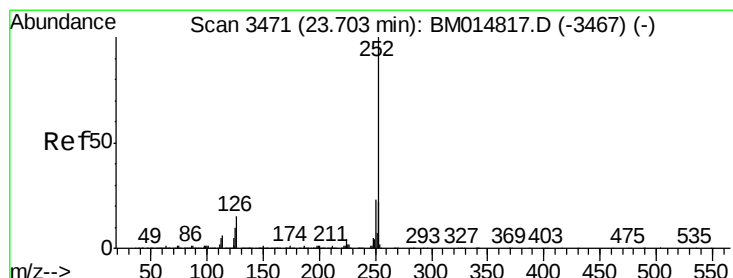
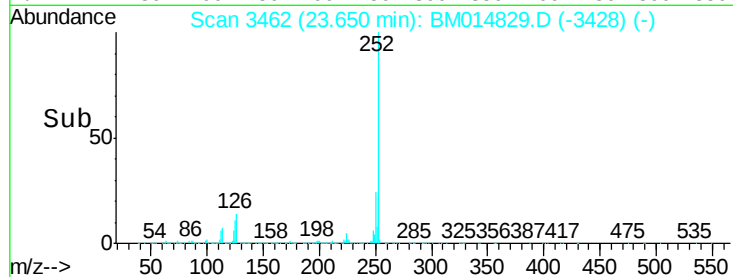
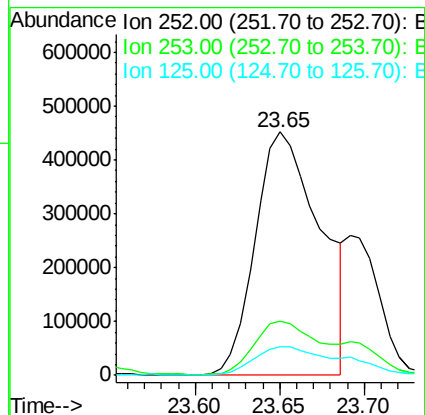
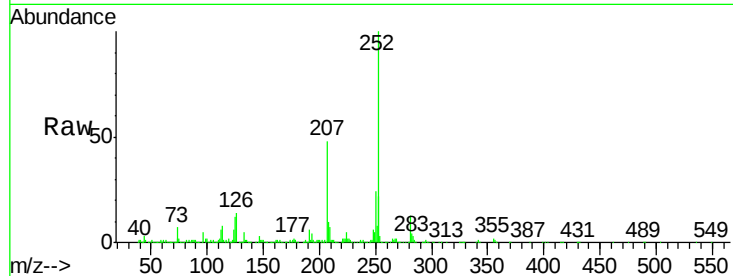
ClientSampleId :

DASP6DL2

Tot Ion:	252	Resp:	1202906
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.9	26.9
125	11.6	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 3.175 ng/ul m

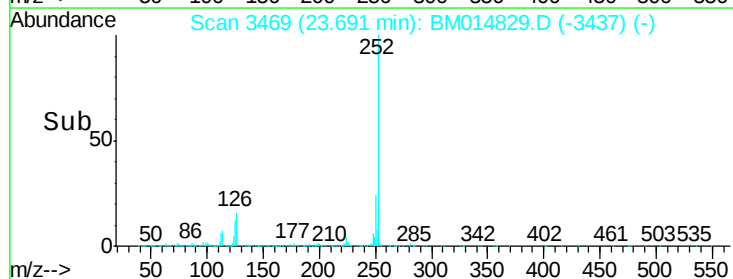
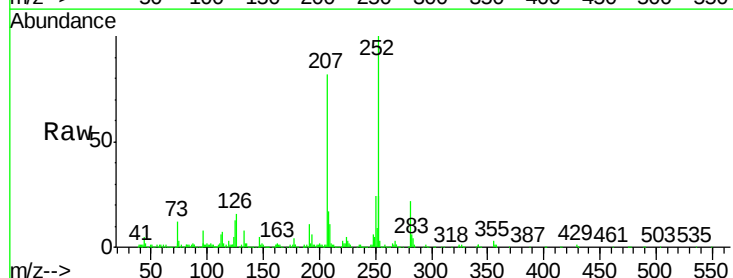
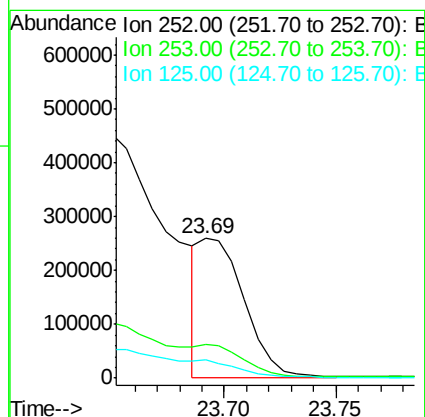
RT: 23.69 min Scan# 3469

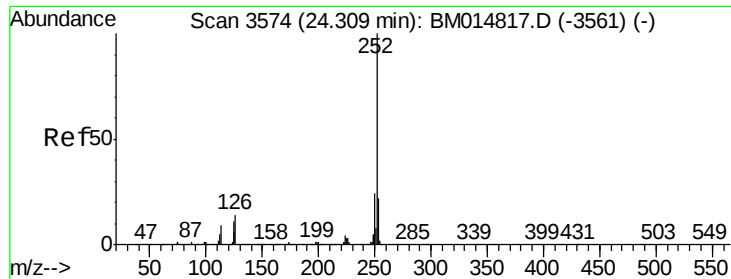
Delta R.T. -0.01 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Tgt Ion:	252	Resp:	354627
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	12.7	3.4	5.2#





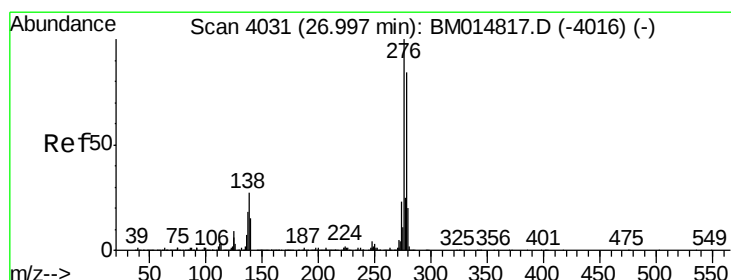
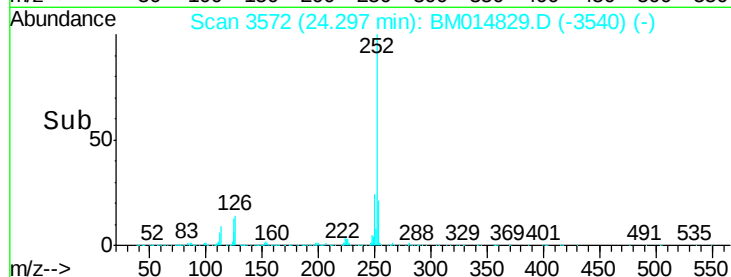
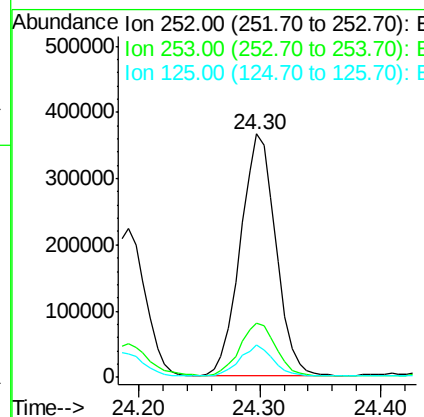
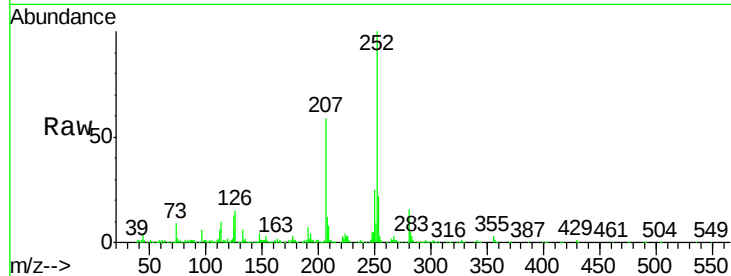
#88
Benzo(a)pyrene
Concen: 6.778 ng/ul
RT: 24.30 min Scan# 3572
Delta R.T. -0.01 min
Lab File: BM014829.D
Acq: 25 Apr 2018 02:54

Instrument :
BNA_M
ClientSampled :
DASP6DL2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.3	18.2	27.2
125	13.3	4.0	6.0#

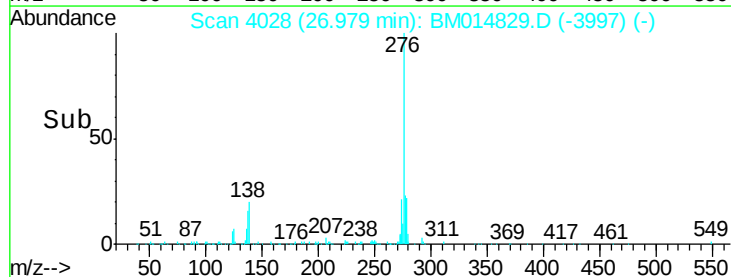
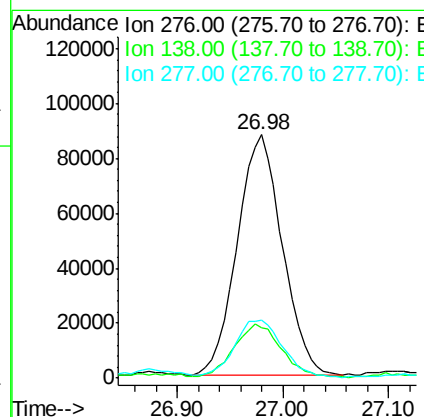
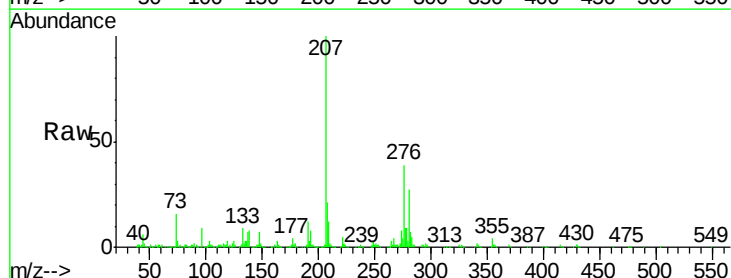
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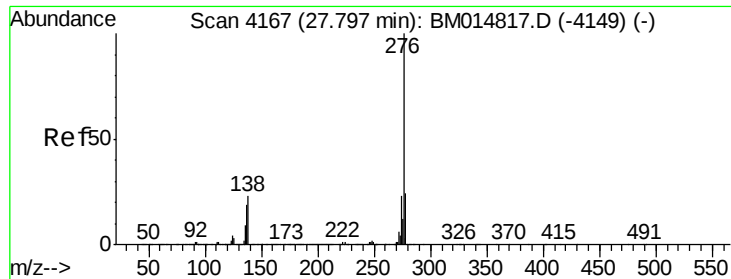
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#89
Indeno(1,2,3-cd)pyrene
Concen: 1.941 ng/ul
RT: 26.98 min Scan# 4028
Delta R.T. -0.02 min
Lab File: BM014829.D
Acq: 25 Apr 2018 02:54

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	20.9	9.3	13.9#
277	23.8	19.9	29.9





#91
 Benzo(a,h,i)perylene
 Concen: 1.937 ng/ul
 RT: 27.78 min Scan# 4164
 Delta R.T. -0.02 min
 Lab File: BM014829.D
 Acq: 25 Apr 2018 02:54

Instrument :
 BNA_M
 ClientSampleId :
 DASP6DL2

Tot Ion	Ratio	Resp	Lower	Upper
276	100	212442		
138	23.5	8.5	12.7#	
277	24.1	18.6	28.0	

Manual Integrations
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