

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023242.D
 Acq On : 18 Oct 2019 05:17
 Operator : JU
 Sample : K5262-21DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFBB1DL

Manual Integrations
 APPROVED

mohammad
 10/20/2019 8:06:47 PM

Quant Time: Oct 18 08:24:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 18 07:48:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	420788	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1659463	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	1033956	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2087074	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2144496	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2620265	20.00	ng/ul	0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	3199	0.33	ng/uL	0.00
5) Phenol-d5	6.83	99	65872	1.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	34411	1.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	52249	1.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	50071	1.70	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	21895	1.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	24098	2.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	54286	2.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	15141	0.46	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	165607	2.09	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	188764	2.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	17422	1.36	ng/ul	0.00
58) Fluorene-d10	15.30	176	151012	2.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	8306	1.00	ng/ul	0.00
71) Anthracene-d10	17.15	188	233485	2.32	ng/ul	0.00
79) Pyrene-d10	19.44	212	248645	2.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	295736	2.23	ng/ul	0.01

Target Compounds				Ovalue		
28) Naphthalene	10.49	128	370380	4.318	ng/ul	98
34) 2-Methylnaphthalene	12.11	142	103356	1.619	ng/ul	97
48) Acenaphthylene	14.03	152	1401745	14.752	ng/ul	99
50) Acenaphthene	14.37	153	275998	4.171	ng/ul	99
54) Dibenzofuran	14.70	168	351328	3.740	ng/ul	99
59) Fluorene	15.36	166	425428	5.520	ng/ul	97
70) Phenanthrene	17.09	178	5686380	48.548	ng/ul	100
72) Anthracene	17.19	178	1728714	14.283	ng/ul	99
75) Carbazole	17.45	167	743434	6.876	ng/ul	100
77) Fluoranthene	19.12	202	9412740	67.572	ng/ul	99
80) Pyrene	19.48	202	8890320	66.176	ng/ul	98
83) Benzo(a)anthracene	21.23	228	4900529m	33.726	ng/ul	
85) Chrysene	21.28	228	4631401	34.327	ng/ul	96
88) Benzo(b)fluoranthene	22.80	252	8549313	53.814	ng/ul	97
89) Benzo(k)fluoranthene	22.84	252	2643047m	17.326	ng/ul	
91) Benzo(a)pyrene	23.37	252	6419694	42.119	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.69	276	4722117	26.043	ng/ul#	96
93) Dibenzo(a,h)anthracene	25.70	278	1257091	8.292	ng/ul#	85
94) Benzo(g,h,i)perylene	26.37	276	4077637	27.313	ng/ul	97

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

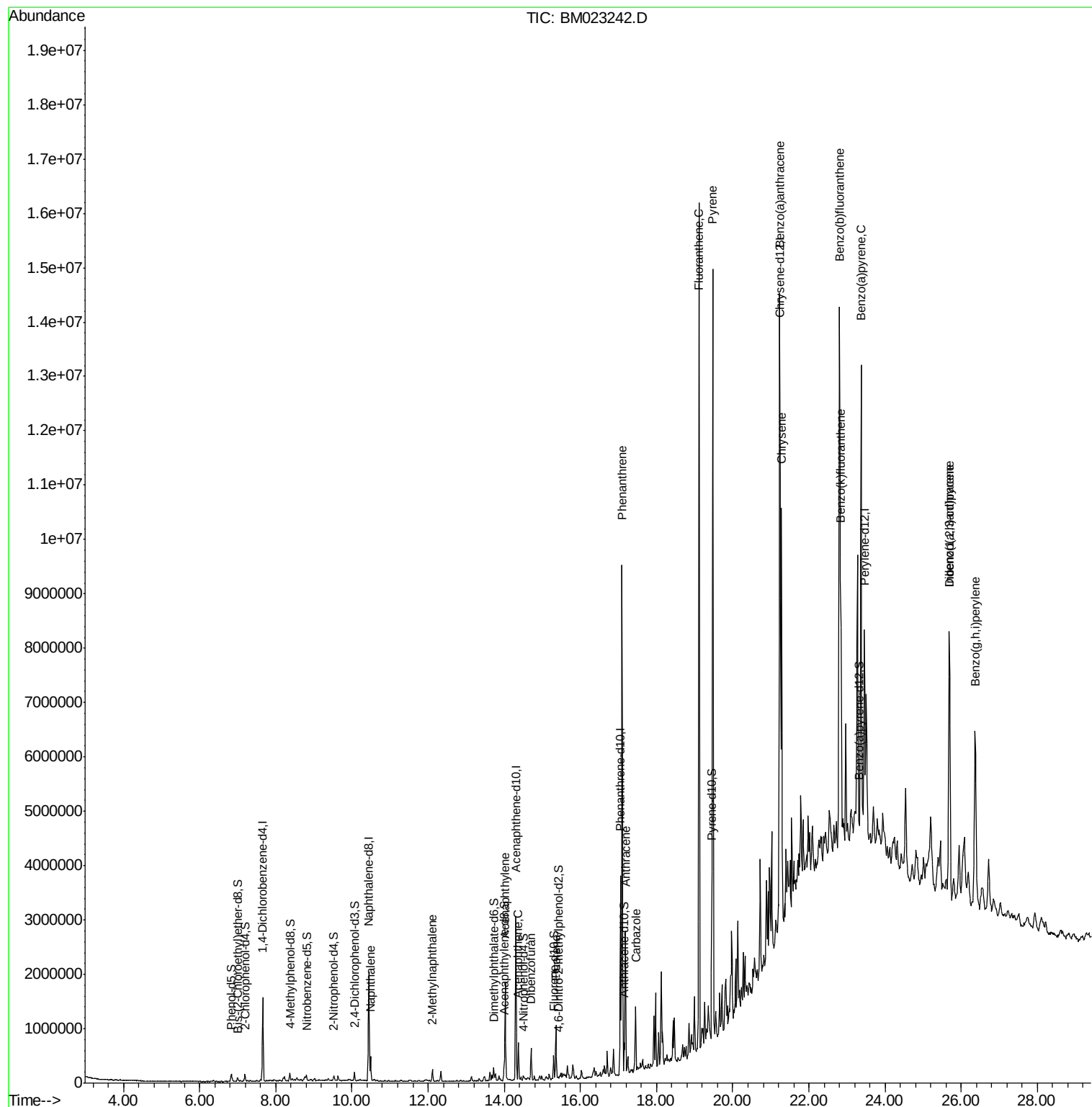
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023242.D
Acq On : 18 Oct 2019 05:17
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Sample : K5262-21DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

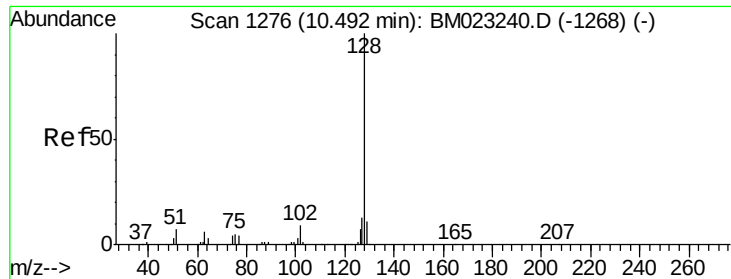
Instrument :
BNA_M
ClientSampled :
BFBB1DL

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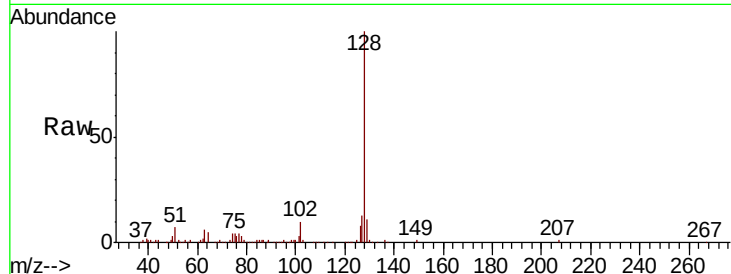
#28
Naphthalene
Concen: 4.318 ng/ul
RT: 10.49 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

Instrument :
BNA_M
ClientSampleID :
BFBB1DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.4	10.2	15.4

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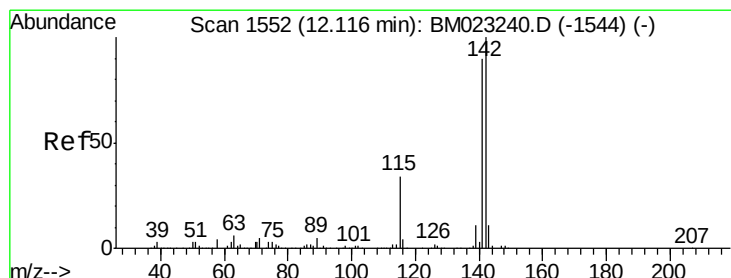
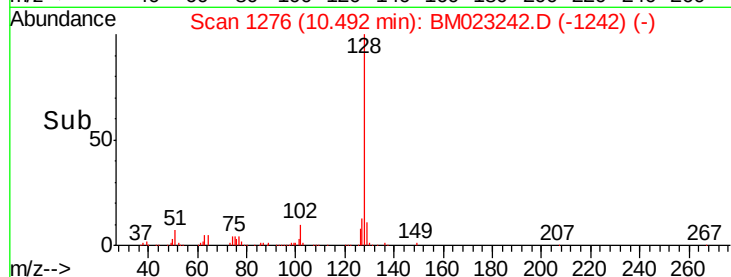
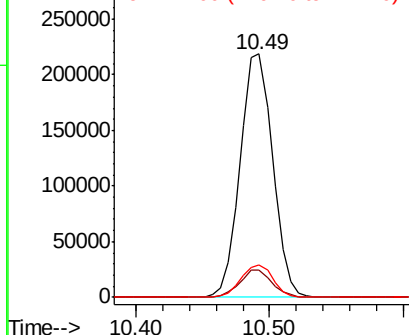


Abundance

Ion 128.00 (127.70 to 128.70): E

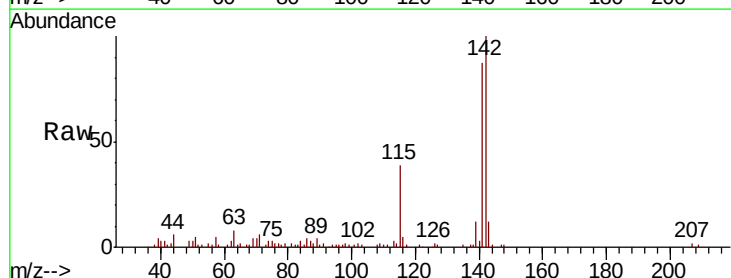
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 1.619 ng/ul
RT: 12.11 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

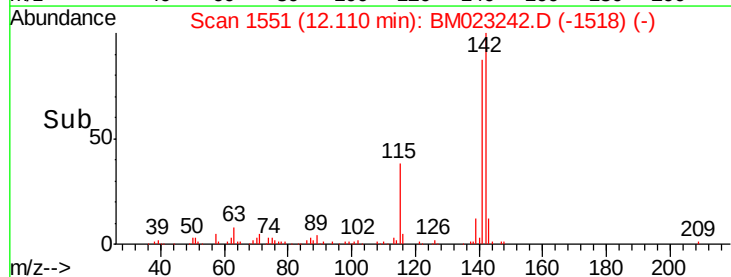
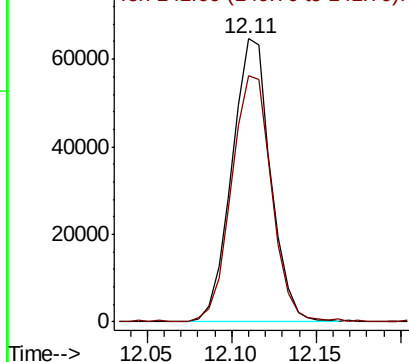
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	72.1	108.1

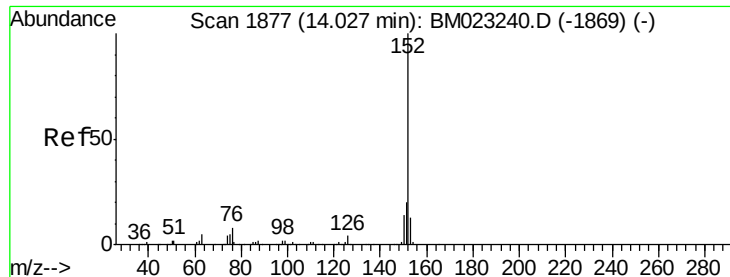


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#48

Acenaphthylene

Concen: 14.752 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023242.D

Acq: 18 Oct 2019 05:17

Instrument :

BNA_M

ClientSampleId :

BFBB1DL

Tot Ion:152 Resp: 1401745

Ion Ratio Lower Upper

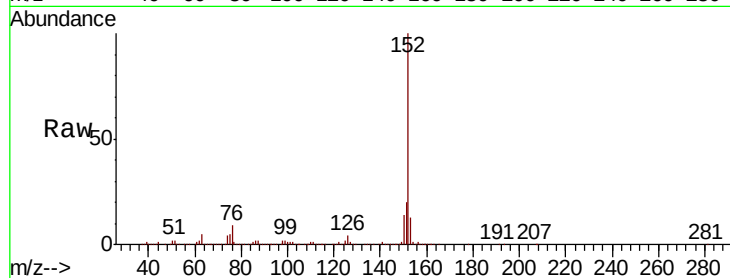
152 100

151 20.3 15.8 23.6

153 13.1 10.3 15.5

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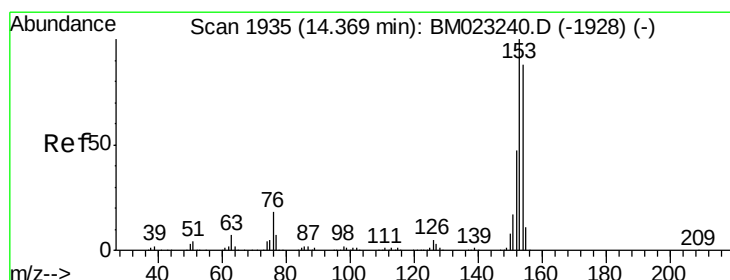
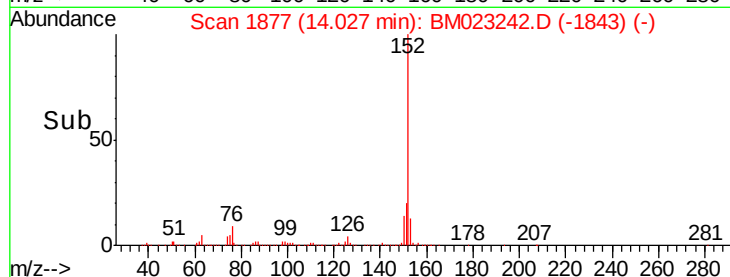
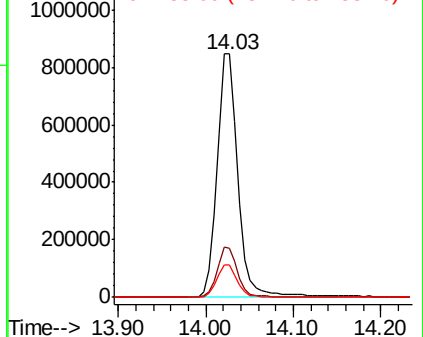


Abundance

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



#50

Acenaphthene

Concen: 4.171 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BM023242.D

Acq: 18 Oct 2019 05:17

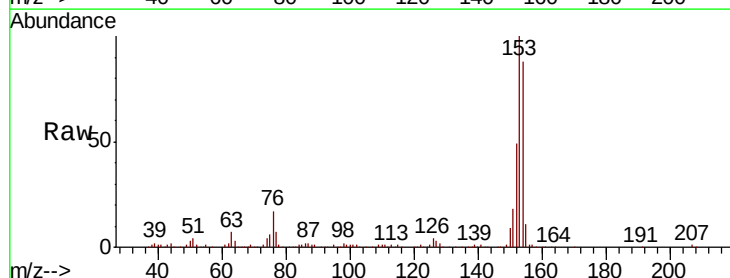
Tgt Ion:153 Resp: 275998

Ion Ratio Lower Upper

153 100

152 48.7 38.0 57.0

154 88.3 70.4 105.6

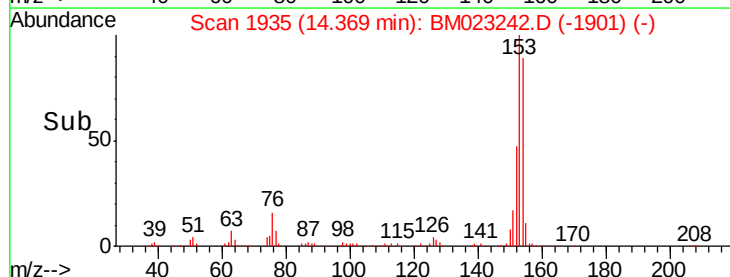
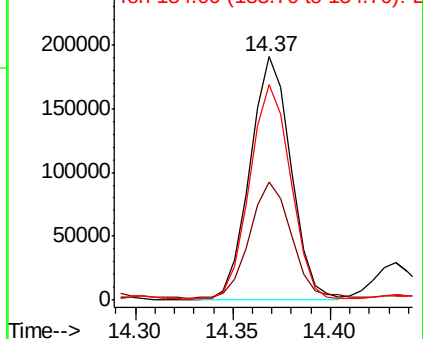


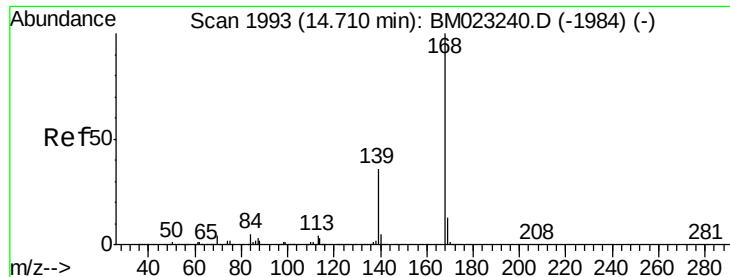
Abundance

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





#54

Dibenzofuran

Concen: 3.740 ng/ul

RT: 14.70 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BM023242.D

Acq: 18 Oct 2019 05:17

Instrument :

BNA_M

ClientSampleID :

BFBB1DL

Tot Ion:168 Resp: 351328

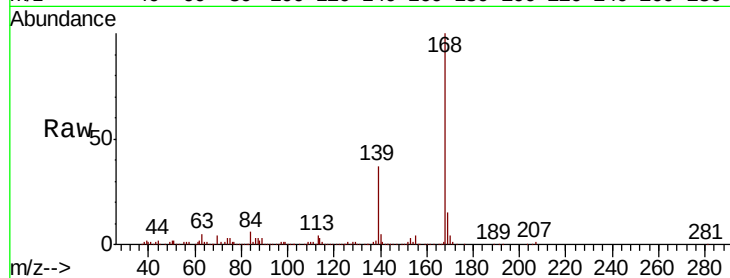
Ion Ratio Lower Upper

168 100

139 37.2 30.1 45.1

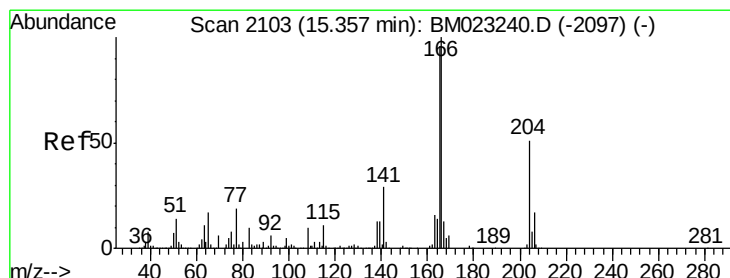
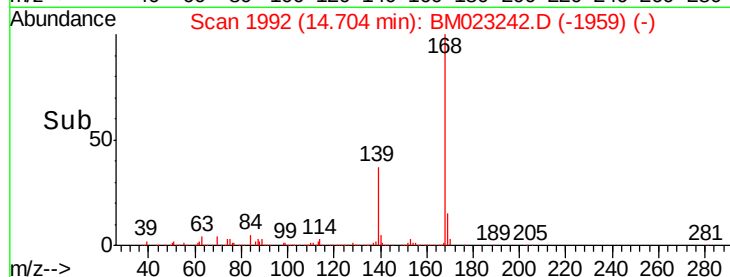
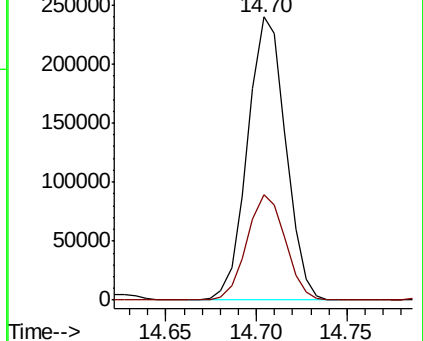
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 5.520 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BM023242.D

Acq: 18 Oct 2019 05:17

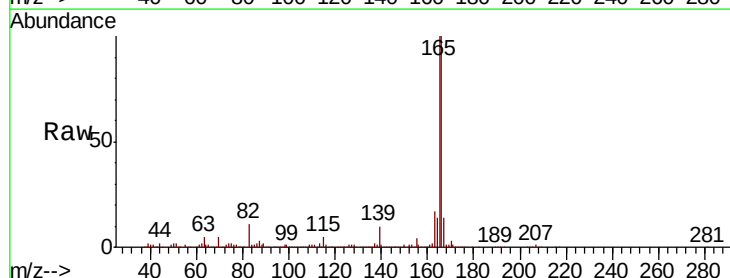
Tgt Ion:166 Resp: 425428

Ion Ratio Lower Upper

166 100

165 99.9 77.4 116.0

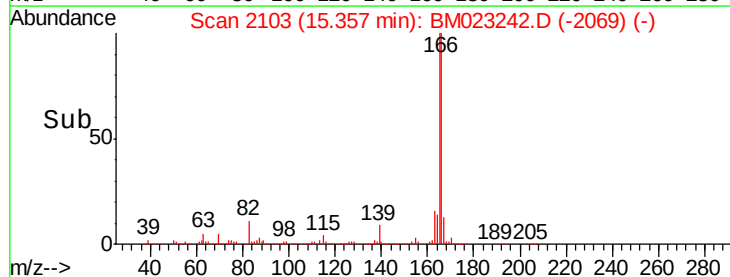
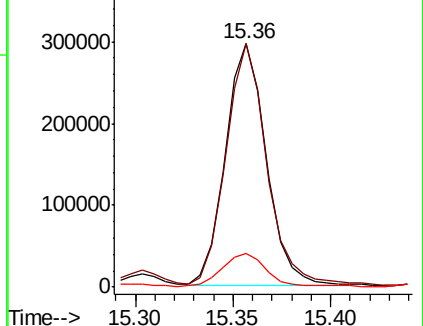
167 13.8 10.8 16.2

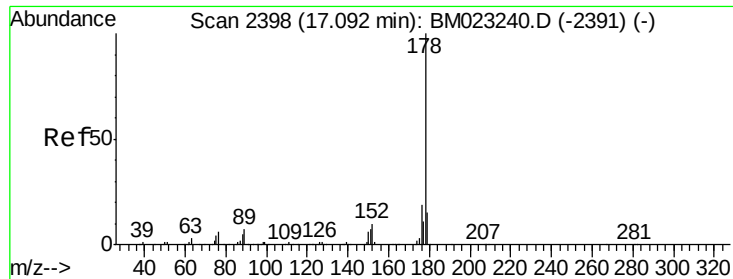


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





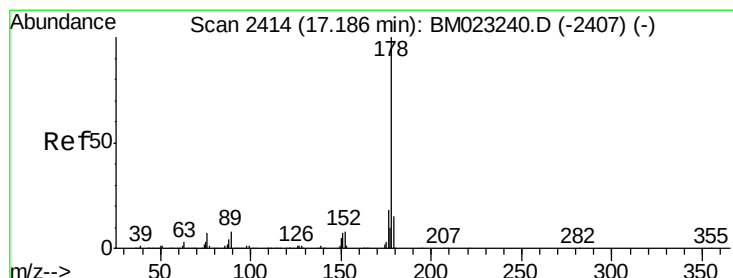
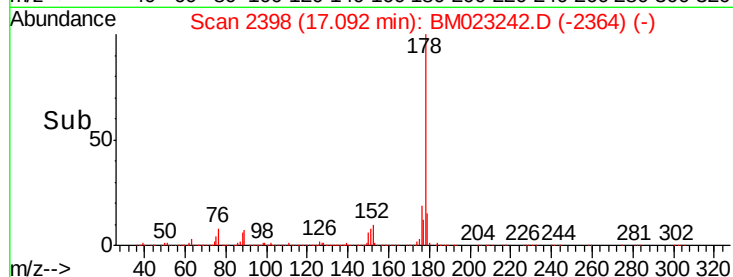
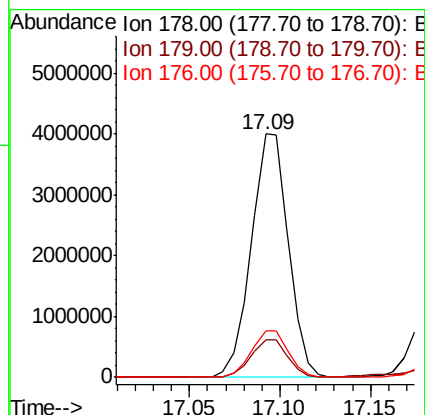
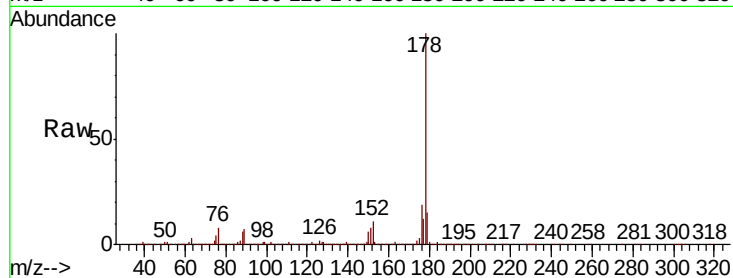
#70
Phenanthrene
Concen: 48.548 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. -0.00 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

Instrument :
BNA_M
ClientSampled :
BFBB1DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.3	15.5	23.3

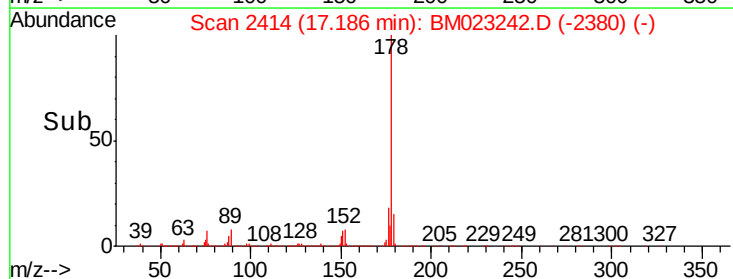
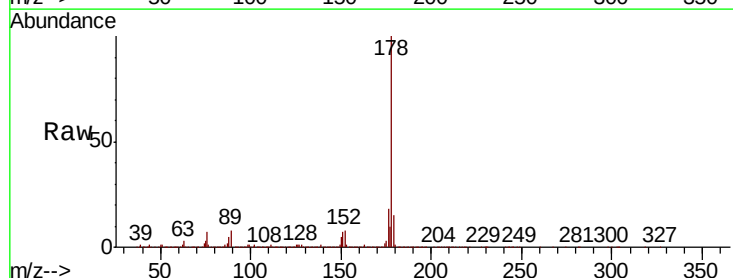
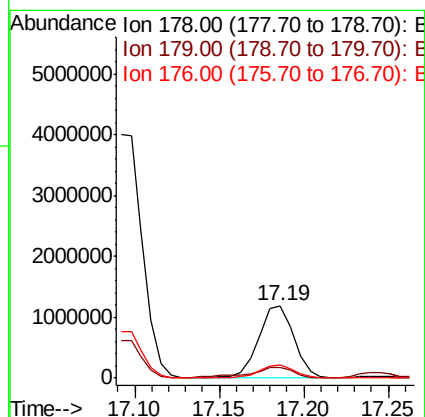
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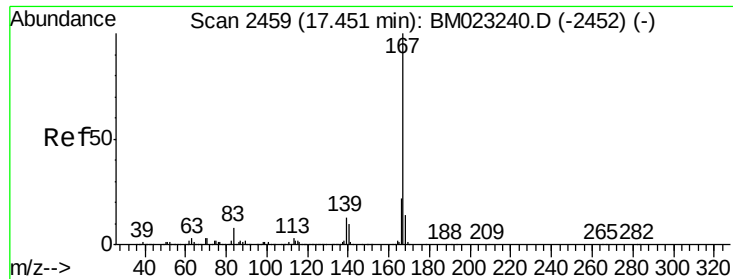
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#72
Anthracene
Concen: 14.283 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.3	15.0	22.4





#75

Carbazole

Concen: 6.876 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM023242.D

Acq: 18 Oct 2019 05:17

Instrument :

BNA_M

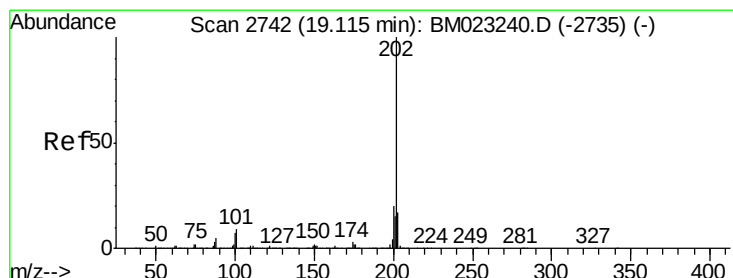
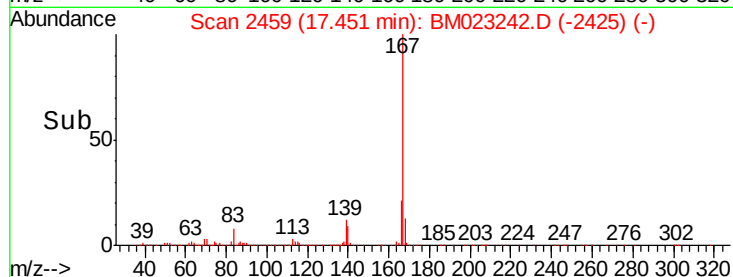
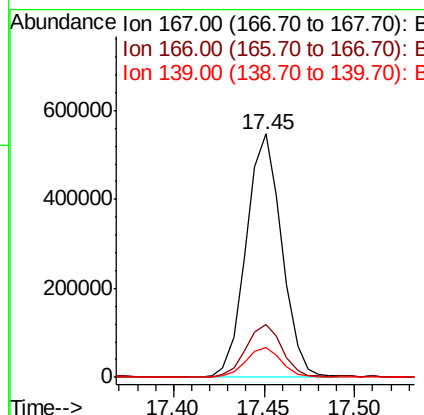
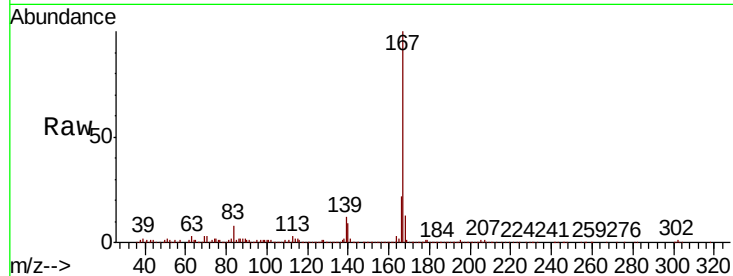
ClientSampleId :

BFBB1DL

Tot Ion:	167	Resp:	743434
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.4	26.0
139	12.3	10.2	15.2

Manual Integrations
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#77

Fluoranthene

Concen: 67.572 ng/ul

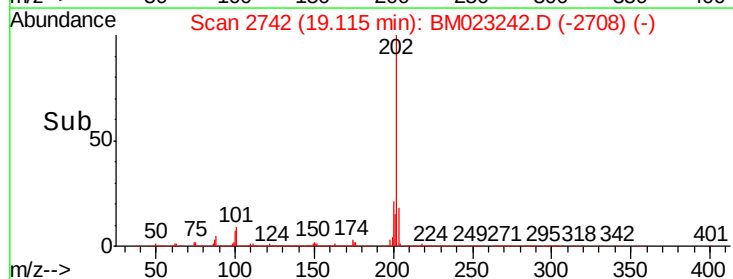
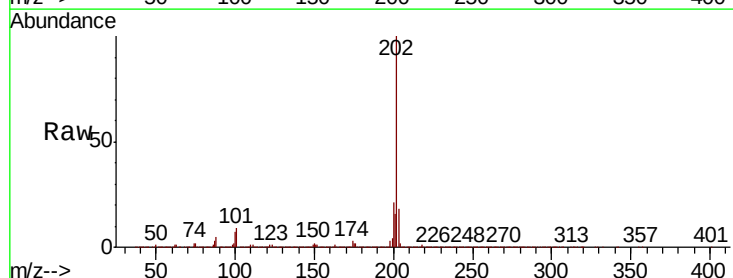
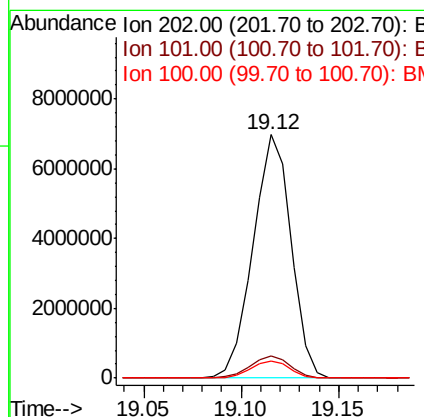
RT: 19.12 min Scan# 2742

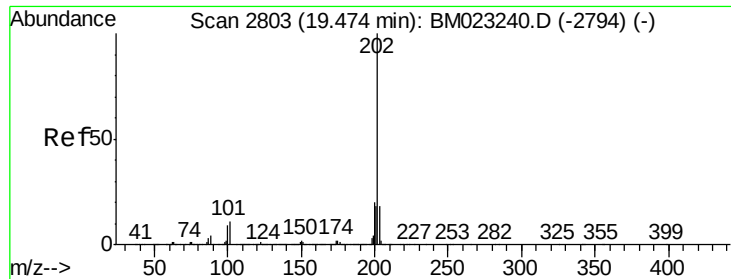
Delta R.T. -0.00 min

Lab File: BM023242.D

Acq: 18 Oct 2019 05:17

Tgt Ion:	202	Resp:	9412740
Ion Ratio	Lower	Upper	
202	100		
101	9.4	7.8	11.8
100	7.2	6.1	9.1





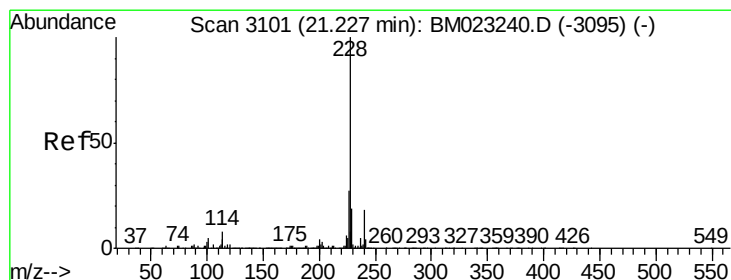
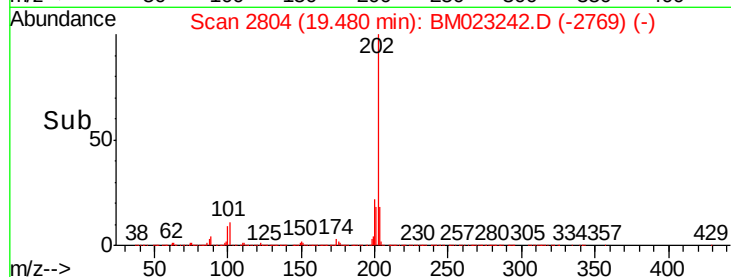
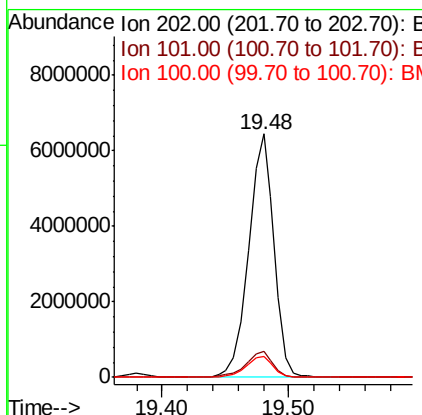
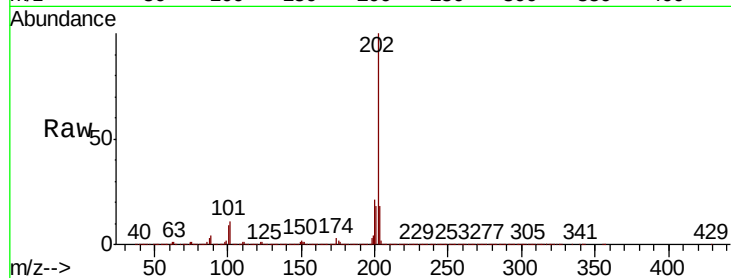
#80
 Pvrene
 Concen: 66.176 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023242.D
 Acq: 18 Oct 2019 05:17

Instrument :
 BNA_M
 ClientSampleId :
 BFBB1DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.1	13.7
100	8.8	7.5	11.3

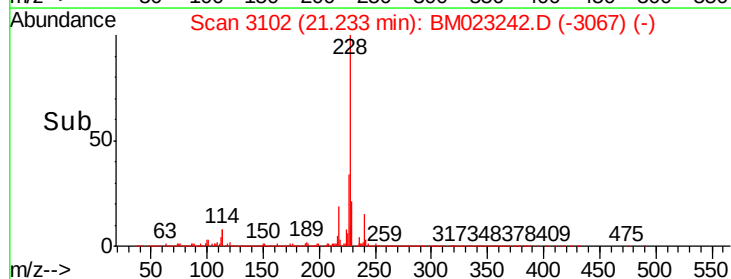
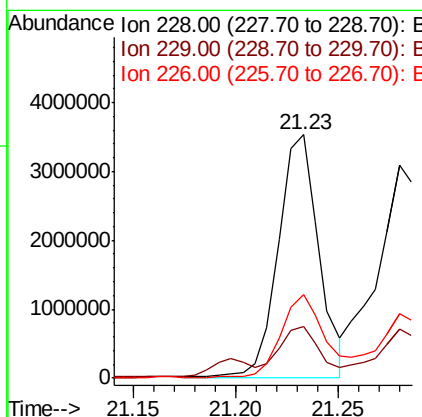
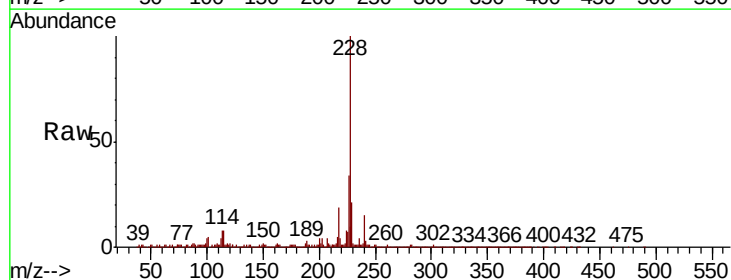
Manual Integrations
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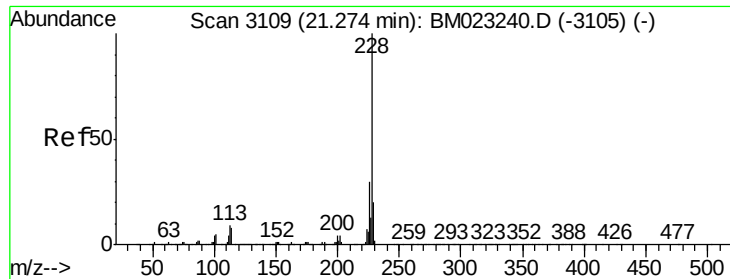
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#83
 Benzo(a)anthracene
 Concen: 33.726 ng/ul m
 RT: 21.23 min Scan# 3102
 Delta R.T. 0.01 min
 Lab File: BM023242.D
 Acq: 18 Oct 2019 05:17

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.7	23.5
226	34.4	21.6	32.4#





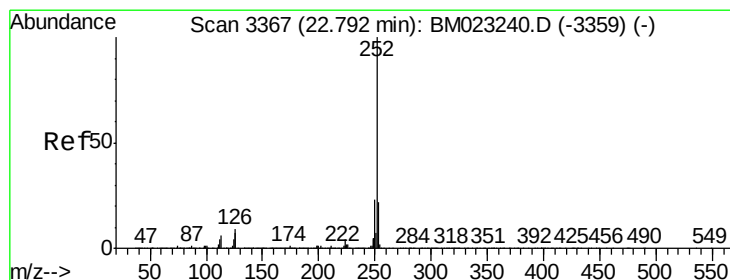
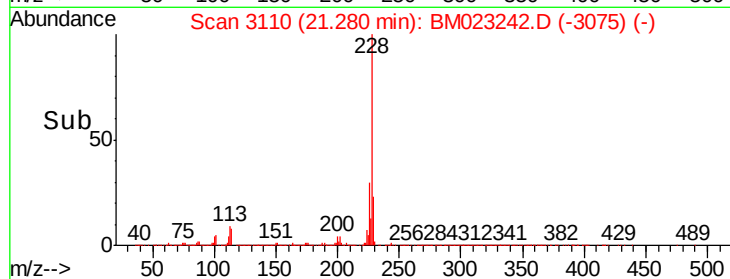
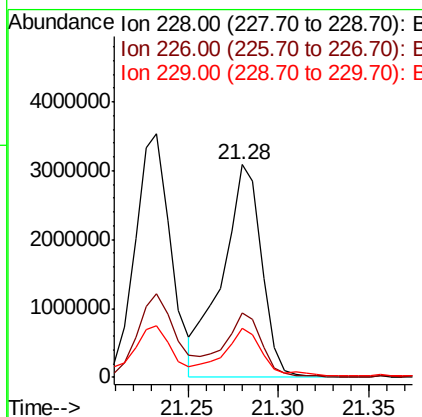
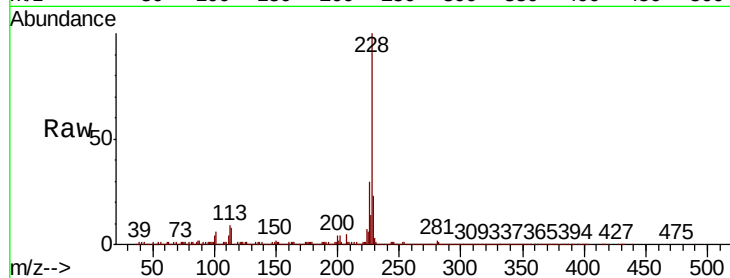
#85
Chrysene
Concen: 34.327 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

Instrument :
BNA_M
ClientSampleID :
BFBB1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	23.1	15.5	23.3

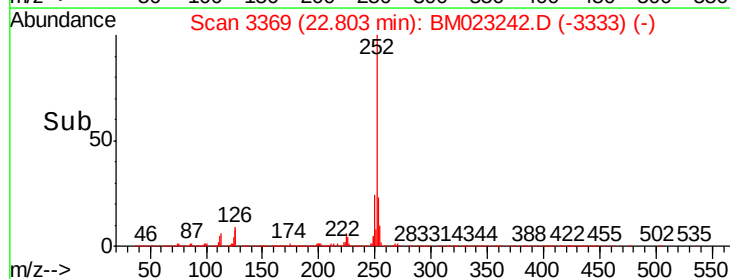
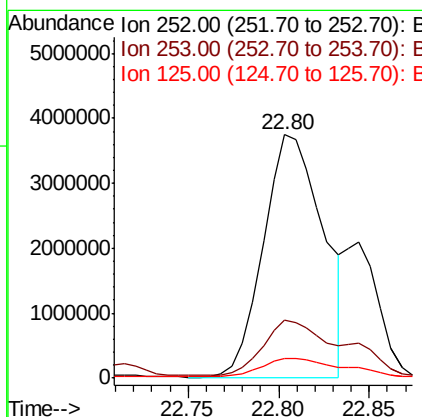
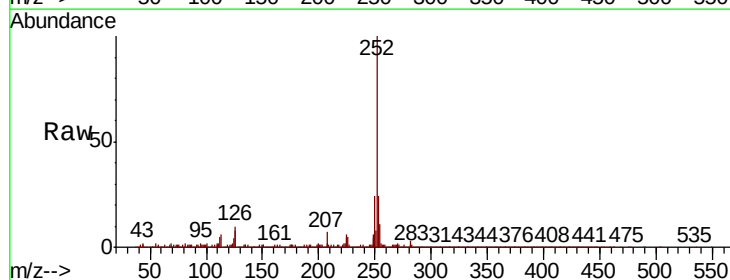
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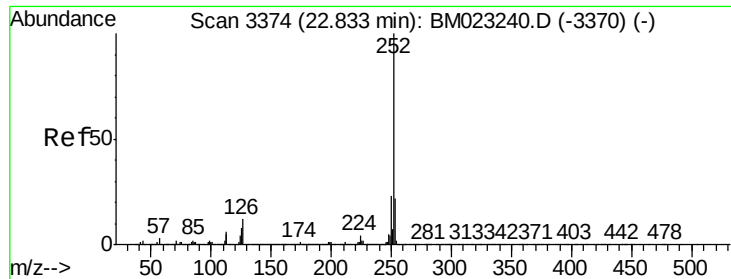
mohammad
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#88
Benzo(b)fluoranthene
Concen: 53.814 ng/ul
RT: 22.80 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	8.2	6.4	9.6





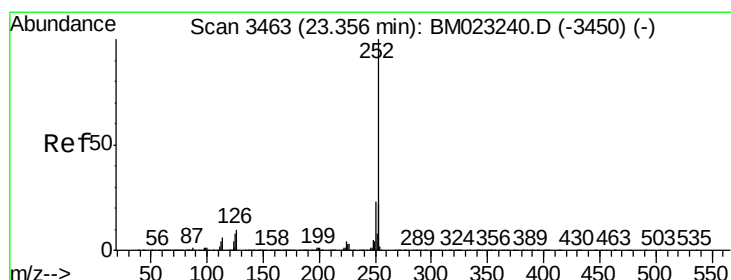
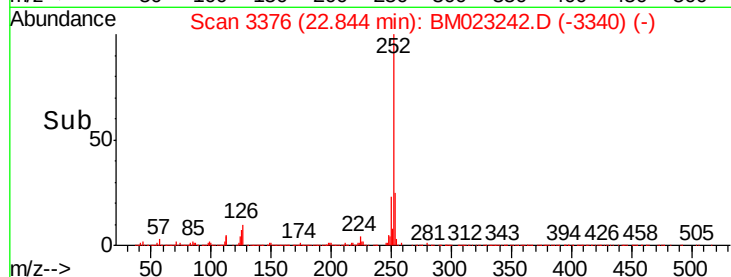
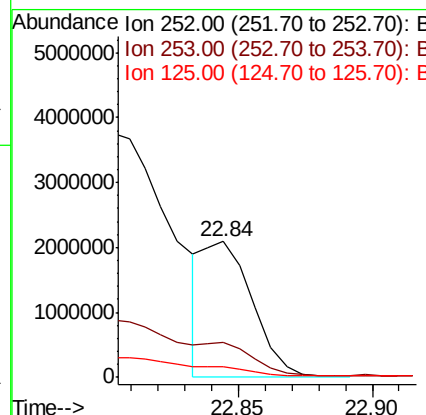
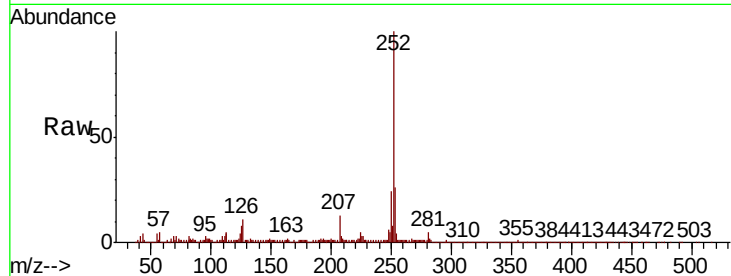
#89
Benzo(k)fluoranthene
Concen: 17.326 ng/ul m
RT: 22.84 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

Instrument :
BNA_M
ClientSampleId :
BFBB1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.0
125	8.0	6.5	9.7

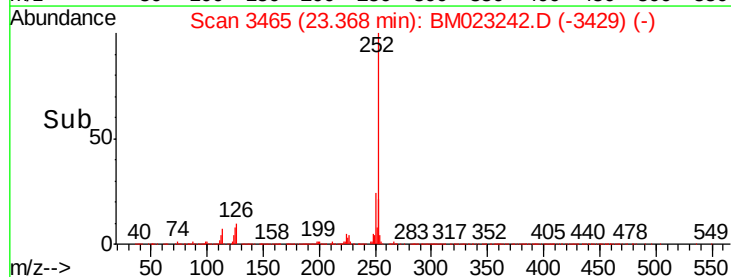
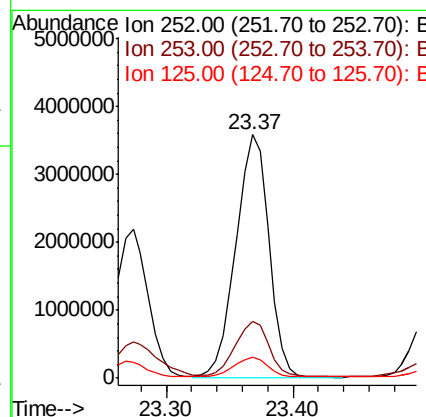
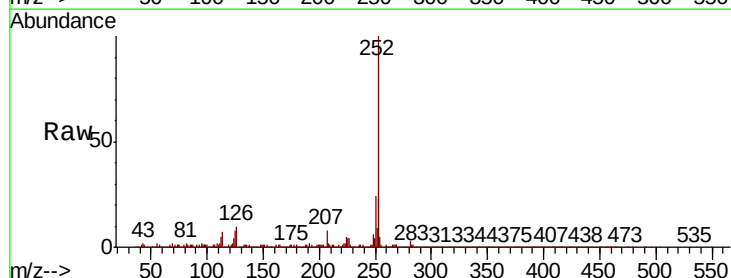
Manual Integrations
APPROVED

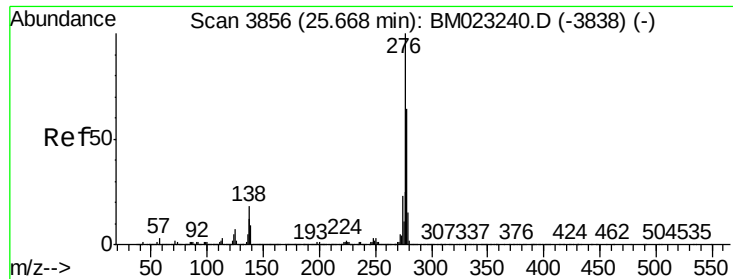
mohammad
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#91
Benzo(a)pyrene
Concen: 42.119 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM023242.D
Acq: 18 Oct 2019 05:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	8.4	7.4	11.0





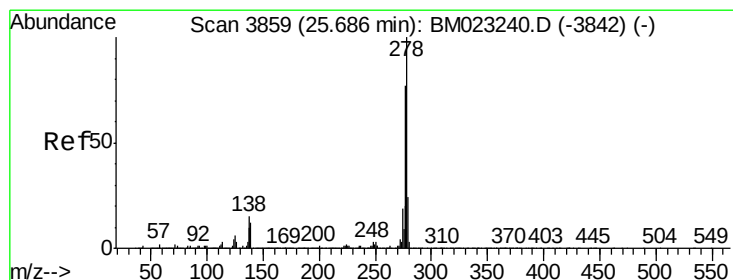
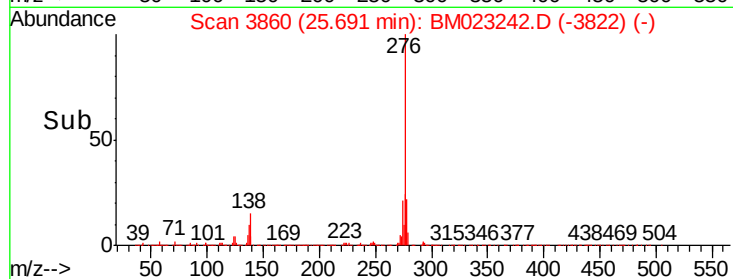
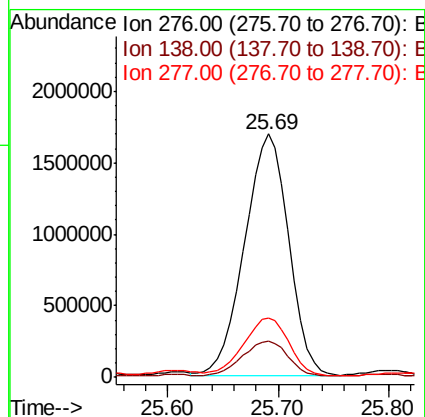
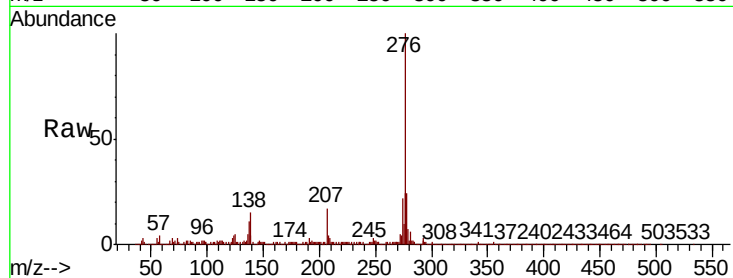
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 26.043 ng/ul
 RT: 25.69 min Scan# 3860
 Delta R.T. 0.02 min
 Lab File: BM023242.D
 Acq: 18 Oct 2019 05:17

Instrument :
 BNA_M
 ClientSampleId :
 BFBB1DL

Tot Ion:276 Resp: 4722117
 Ion Ratio Lower Upper
 276 100
 138 14.7 14.9 22.3#
 277 24.5 19.8 29.8

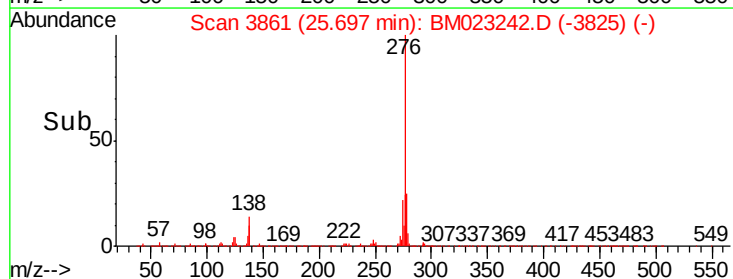
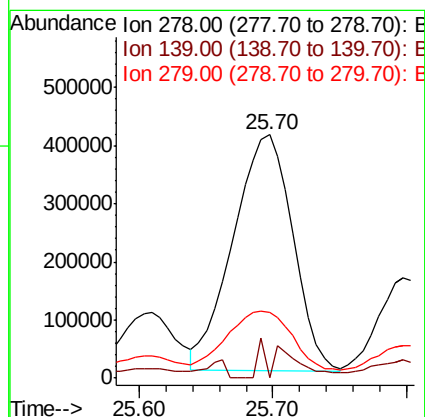
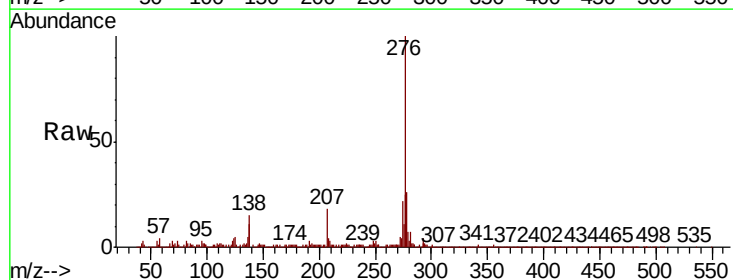
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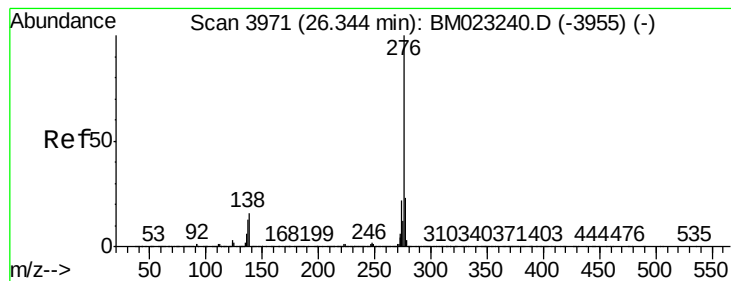
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#93
 Dibenzo(a,h)anthracene
 Concen: 8.292 ng/ul
 RT: 25.70 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: BM023242.D
 Acq: 18 Oct 2019 05:17

Tgt Ion:278 Resp: 1257091
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.0 15.0#
 279 27.1 19.4 29.0





#94

Benzo(a,h,i)perylene

Concen: 27.313 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.02 min

Lab File: BM023242.D

Acq: 18 Oct 2019 05:17

Instrument :

BNA_M

ClientSampleId :

BFBB1DL

Tot Ion: 276 Resp: 4077637

Ion Ratio Lower Upper

276 100

138 15.9 14.4 21.6

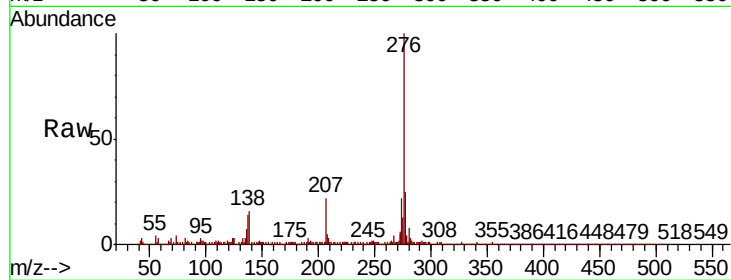
277 24.8 19.4 29.2

Manual Integrations

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

