

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
 Data File : BM020509.D
 Acq On : 23 May 2019 09:54
 Operator : JU/SJ
 Sample : K2925-12DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4297DL

Manual Integrations
 APPROVED

mohammad
 5/23/2019 2:22:43 PM

Quant Time: May 23 11:08:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 23 07:52:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	56498	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	195042	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	114468	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	273858	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	304386	20.00	ng/ul	0.00
85) Perylene-d12	23.54	264	345871	20.00	ng/ul	0.00

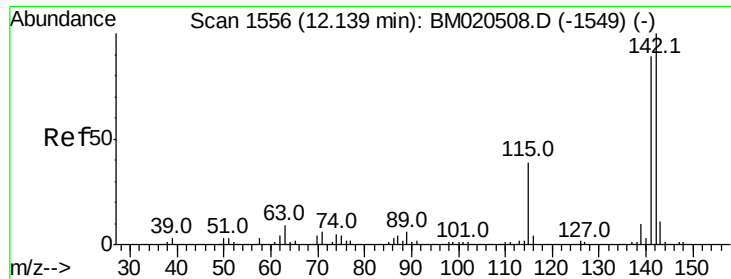
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	1610	1.05	ng/uL	0.01
5) Phenol-d5	6.85	99	18003	3.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	12299	4.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	14581	4.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	11055	3.37	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	5909	4.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	6993	5.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	14251	4.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	8864	2.90	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	42340	5.14	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	50455	4.90	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	1704	1.42	ng/ul	0.00
57) Fluorene-d10	15.33	176	38111	5.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	1482	0.95	ng/ul	0.00
70) Anthracene-d10	17.19	188	58031	4.94	ng/ul	0.00
78) Pyrene-d10	19.49	212	73675	5.03	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.39	264	76937	4.89	ng/ul	0.00

Target Compounds

					Ovalue
34) 2-Methylnaphthalene	12.14	142	7221	1.113 ng/ul	92
44) Dimethylphthalate	13.79	163	12504	1.535 ng/ul	100
47) Acenaphthylene	14.06	152	13329	1.372 ng/ul	97
49) Acenaphthene	14.40	153	21012	3.146 ng/ul	97
53) Dibenzofuran	14.73	168	32244	3.188 ng/ul	97
58) Fluorene	15.39	166	33994	4.196 ng/ul	97
69) Phenanthrene	17.13	178	488199	37.414 ng/ul	99
71) Anthracene	17.22	178	129401	9.749 ng/ul	99
74) Carbazole	17.50	167	31990	2.839 ng/ul	98
76) Fluoranthene	19.16	202	801151	48.605 ng/ul	98
79) Pyrene	19.52	202	683241	37.397 ng/ul	99
82) Benzo(a)anthracene	21.27	228	397986	21.724 ng/ul	98
84) Chrysene	21.33	228	333979	19.076 ng/ul	95
87) Benzo(b)fluoranthene	22.86	252	407463	20.642 ng/ul	97
88) Benzo(k)fluoranthene	22.90	252	142940m	7.372 ng/ul	
90) Benzo(a)pyrene	23.44	252	301954	16.254 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.81	276	188686	8.914 ng/ul#	95
92) Dibenzo(a,h)anthracene	25.81	278	56566	3.125 ng/ul#	92
93) Benzo(g,h,i)perylene	26.51	276	146723	8.374 ng/ul	97

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



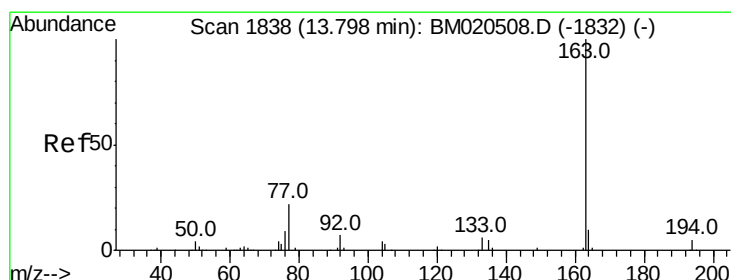
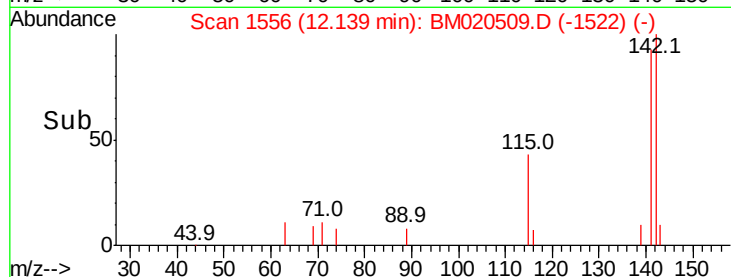
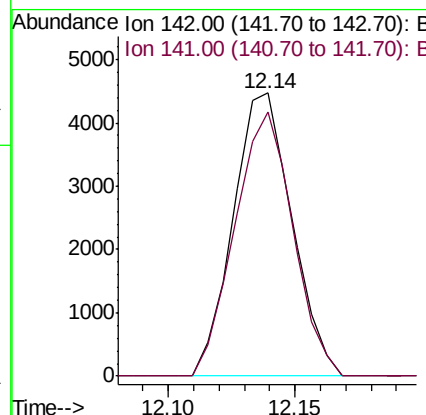
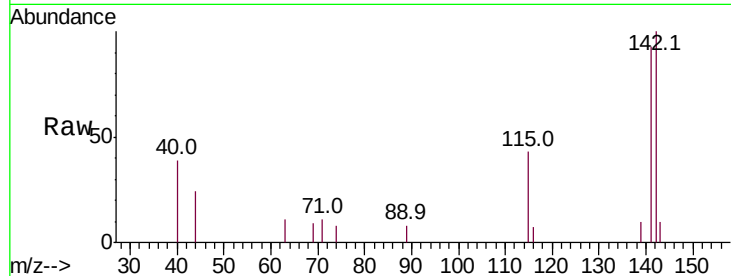
#34
2-Methylnaphthalene
Concen: 1.113 ng/ul
RT: 12.14 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BM020509.D
Acq: 23 May 2019 09:54

Instrument :
BNA_M
ClientSampleID :
A4297DL

Tot Ion:142 Resp: 7221
Ion Ratio Lower Upper
142 100
141 93.3 68.6 102.8

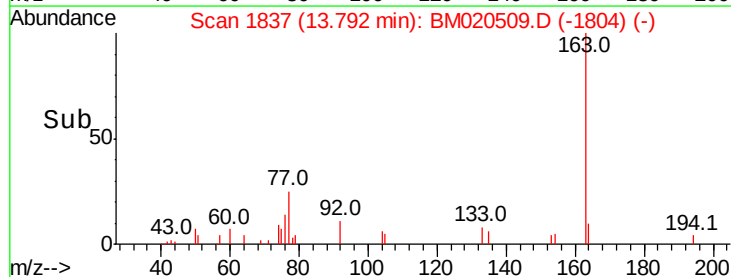
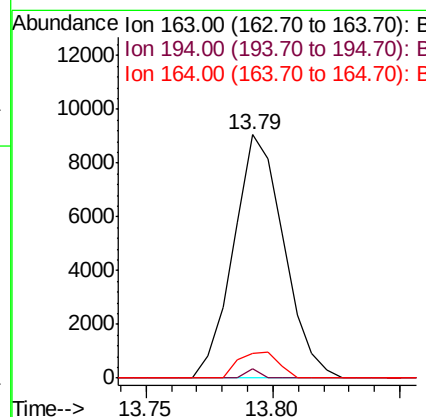
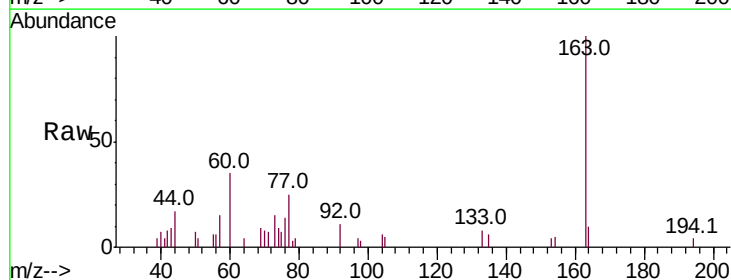
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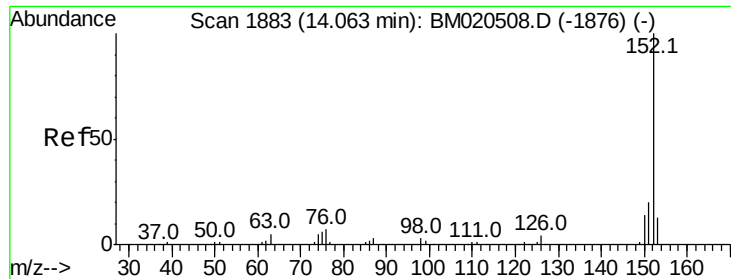
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#44
Dimethylphthalate
Concen: 1.535 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM020509.D
Acq: 23 May 2019 09:54

Tgt Ion:163 Resp: 12504
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.2 8.0 12.0





#47

Acenaphthylene

Concen: 1.372 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Instrument :

BNA_M

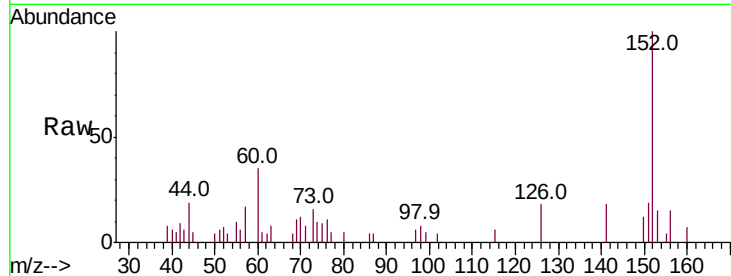
ClientSampleId :

A4297DL

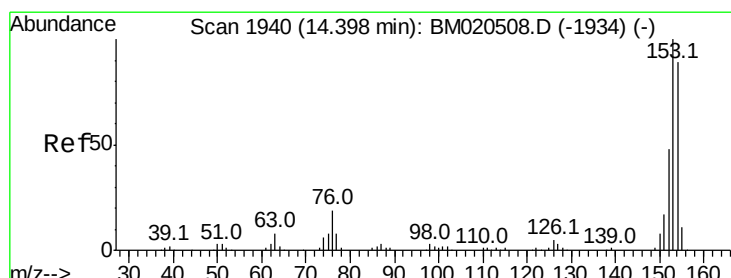
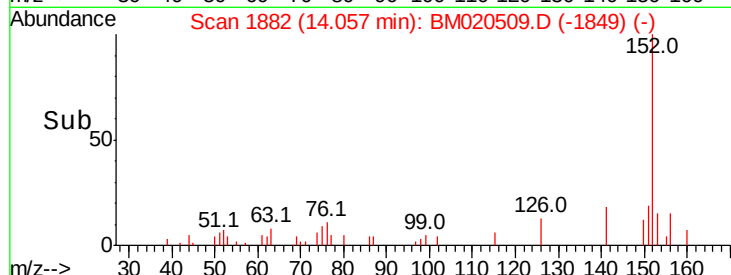
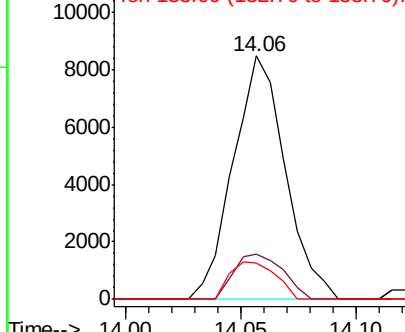
Tot Ion:	152	Resp:	13329
Ion Ratio	Lower	Upper	
152	100		
151	18.6	15.4	23.0
153	14.7	10.3	15.5

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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



#49

Acenaphthene

Concen: 3.146 ng/ul

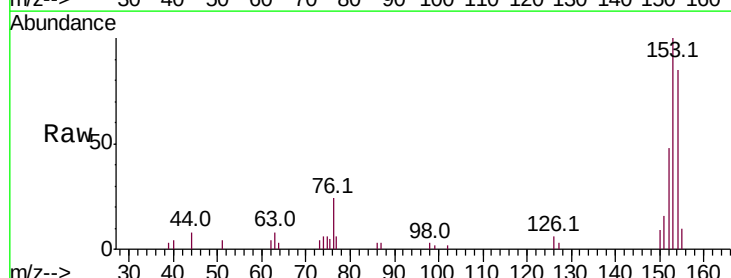
RT: 14.40 min Scan# 1940

Delta R.T. -0.01 min

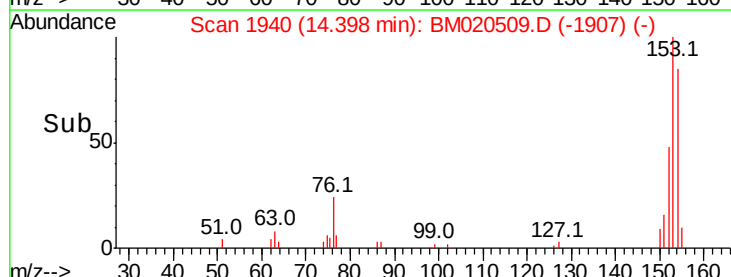
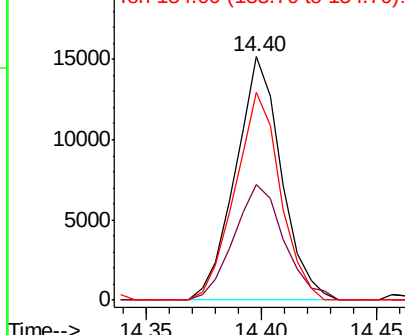
Lab File: BM020509.D

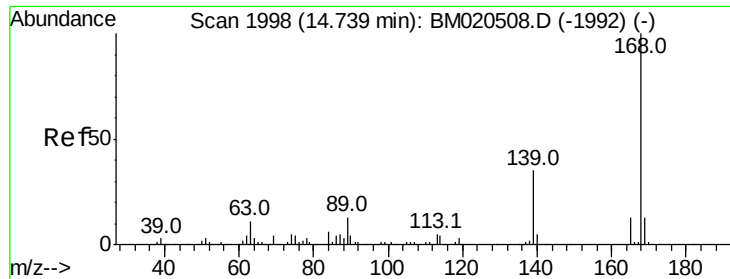
Acq: 23 May 2019 09:54

Tgt Ion:	153	Resp:	21012
Ion Ratio	Lower	Upper	
153	100		
152	47.6	37.9	56.9
154	85.5	71.2	106.8



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

Dibenzenofuran

Concen: 3.188 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Instrument :

BNA_M

ClientSampleId :

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Tot Ion:168 Resp: 32244

Ion Ratio Lower Upper

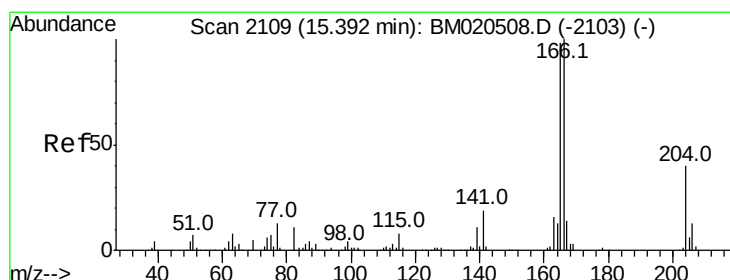
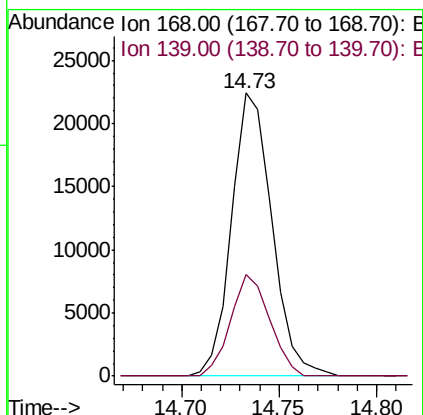
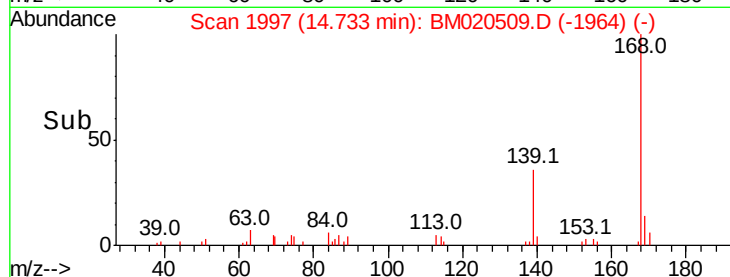
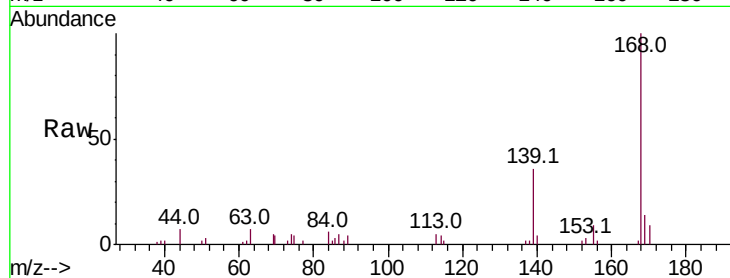
168 100

139 35.9 30.1 45.1

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#58

Fluorene

Concen: 4.196 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

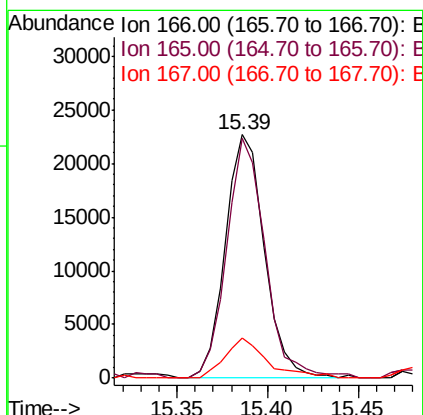
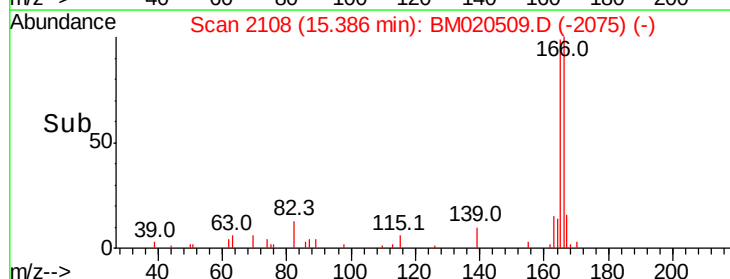
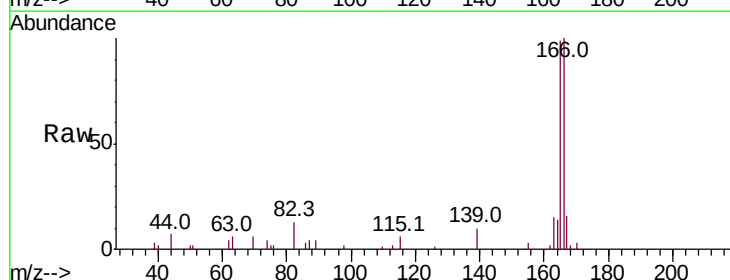
Tgt Ion:166 Resp: 33994

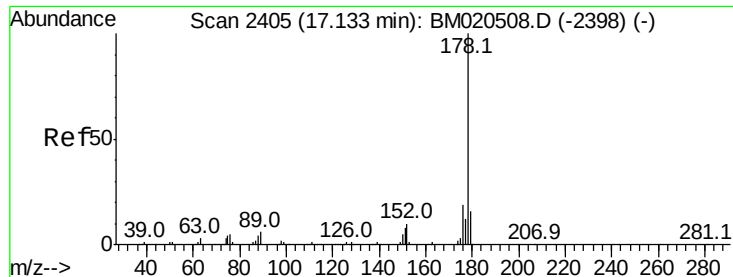
Ion Ratio Lower Upper

166 100

165 98.6 77.1 115.7

167 16.4 11.1 16.7





#69

Phenanthrene

Concen: 37.414 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Instrument :

BNA_M

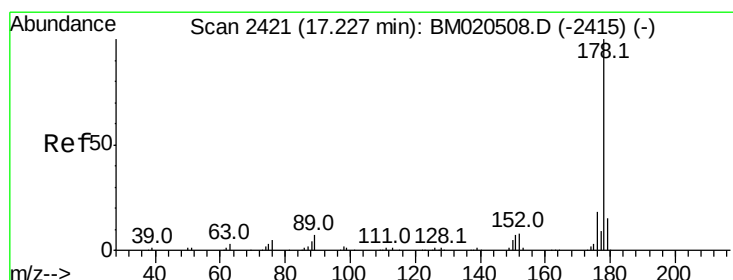
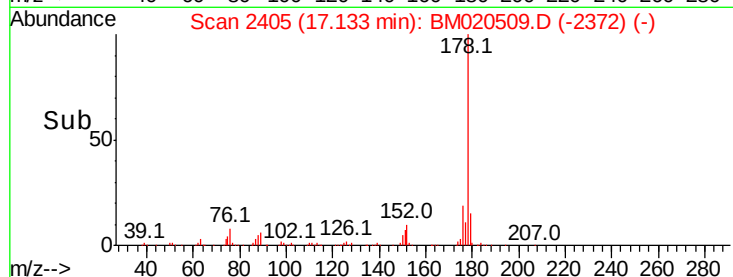
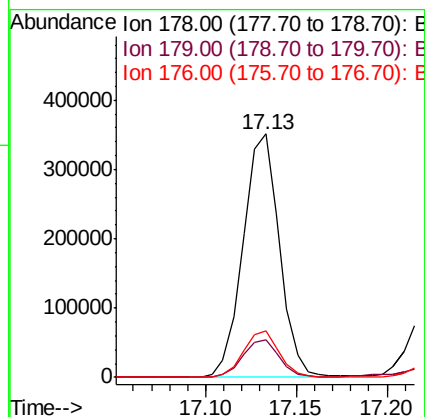
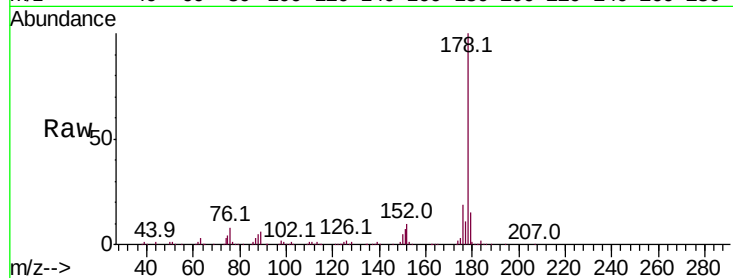
ClientSampleId :

A4297DL

Tot Ion:178	Resp:	488199
Ion Ratio	Lower	Upper
178	100	
179	15.4	11.9 17.9
176	19.0	14.6 22.0

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#71

Anthracene

Concen: 9.749 ng/ul

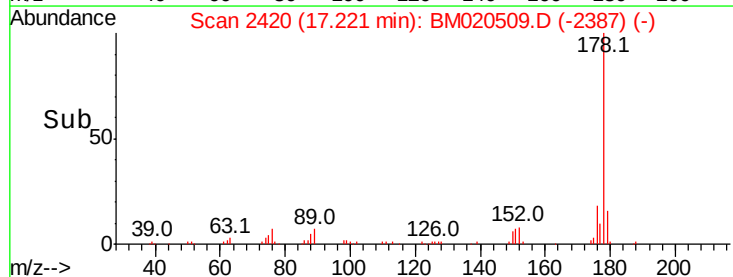
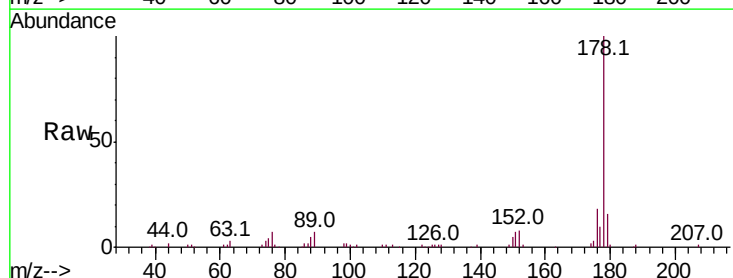
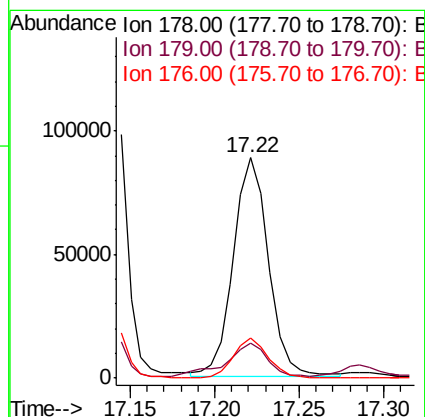
RT: 17.22 min Scan# 2420

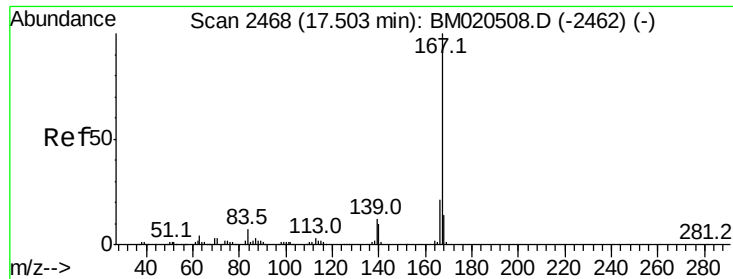
Delta R.T. -0.01 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Tgt Ion:178	Resp:	129401
Ion Ratio	Lower	Upper
178	100	
179	16.0	12.4 18.6
176	18.0	14.4 21.6





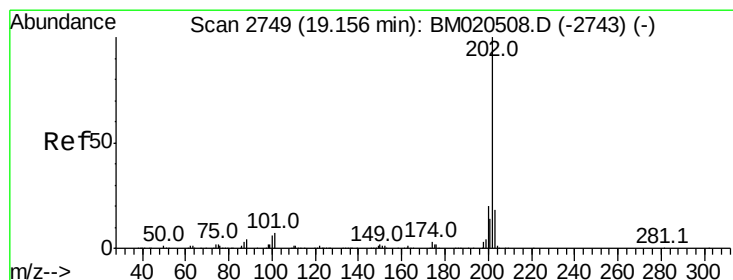
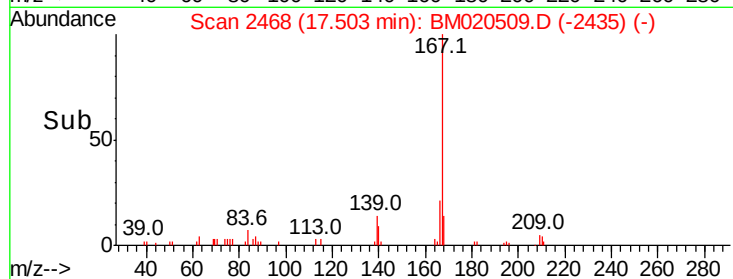
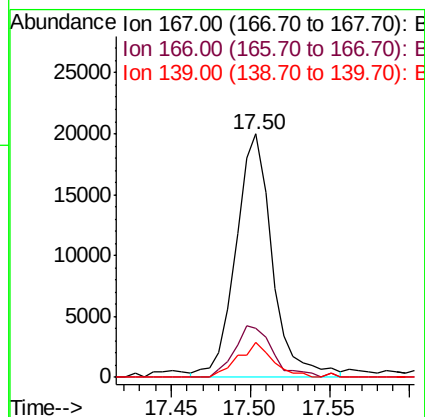
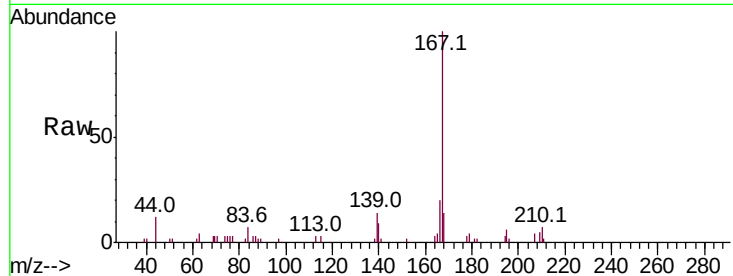
#74
 Carbazole
 Concen: 2.839 ng/ul
 RT: 17.50 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BM020509.D
 Acq: 23 May 2019 09:54

Instrument :
 BNA_M
 ClientSampled :
 A4297DL

Tot Ion:	167	Resp:	31990
Ion Ratio	Lower	Upper	
167	100		
166	20.2	16.6	24.8
139	14.1	9.8	14.8

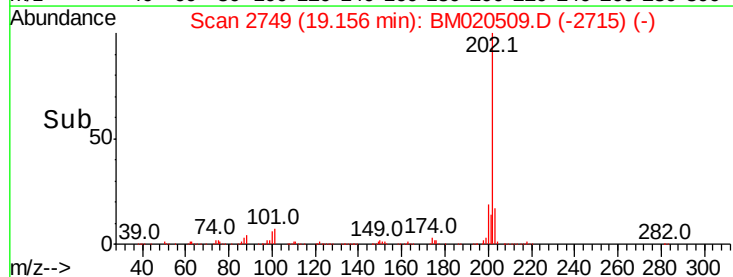
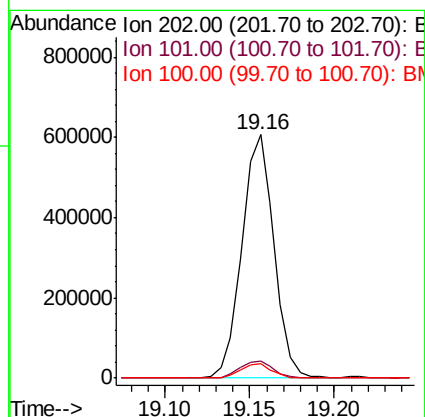
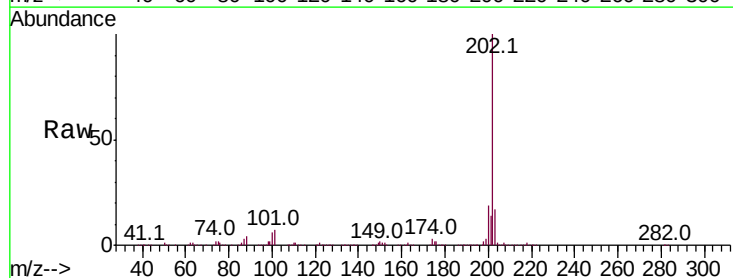
Manual Integrations
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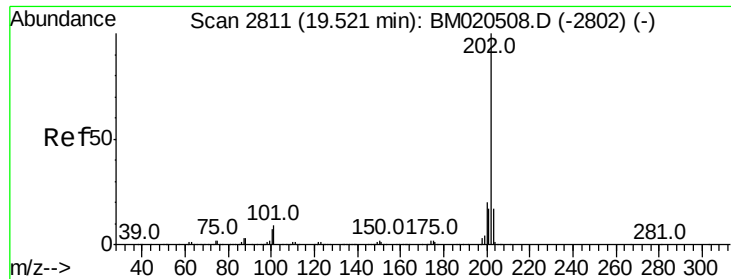
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#76
 Fluoranthene
 Concen: 48.605 ng/ul
 RT: 19.16 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: BM020509.D
 Acq: 23 May 2019 09:54

Tgt Ion:	202	Resp:	801151
Ion Ratio	Lower	Upper	
202	100		
101	7.2	6.4	9.6
100	5.8	5.2	7.8





#79

Pvrene

Concen: 37.397 ng/ul

RT: 19.52 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Instrument :

BNA_M

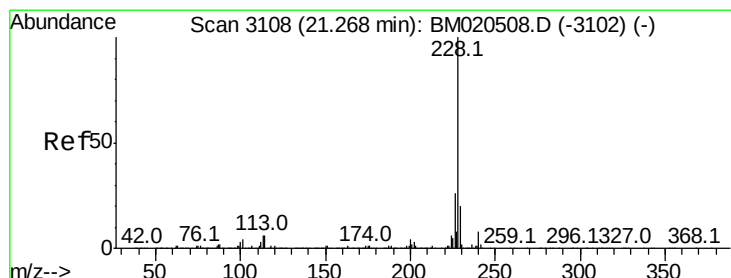
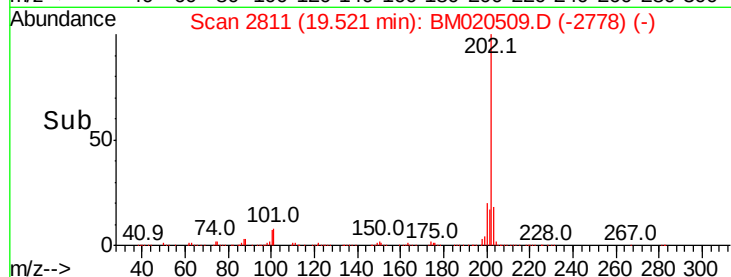
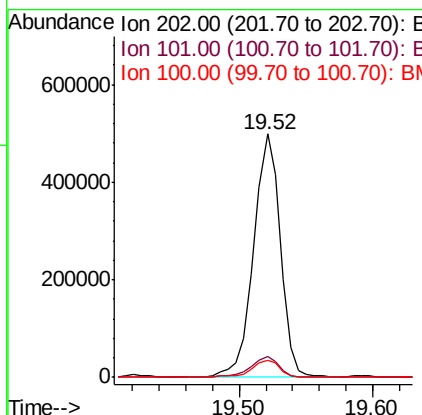
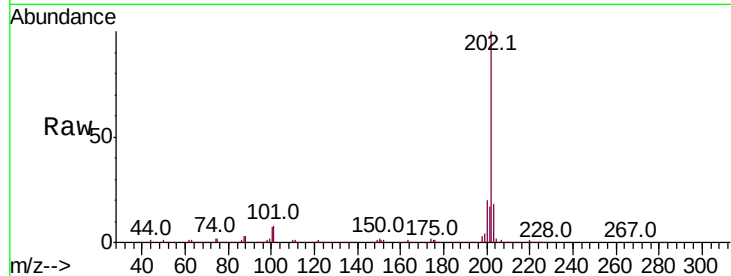
ClientSampleId :

A4297DL

Tot Ion:	202	Resp:	683241
Ion Ratio	Lower	Upper	
202	100		
101	8.4	7.1	10.7
100	7.1	5.9	8.9

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#82

Benzo(a)anthracene

Concen: 21.724 ng/ul

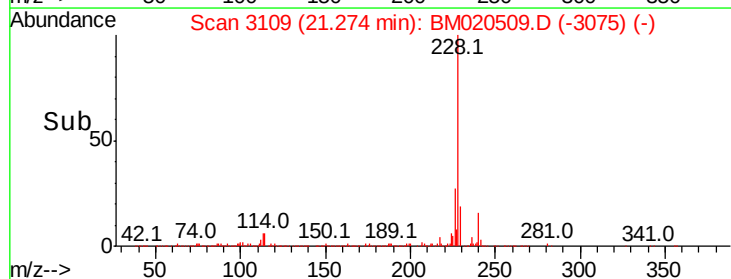
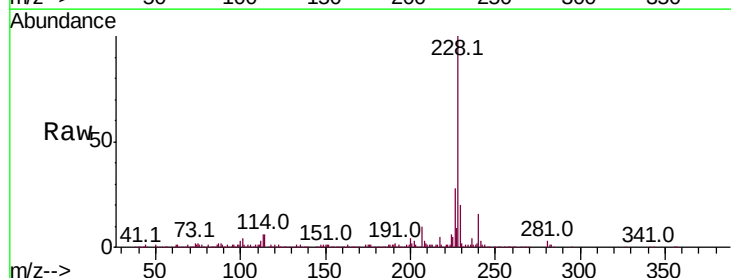
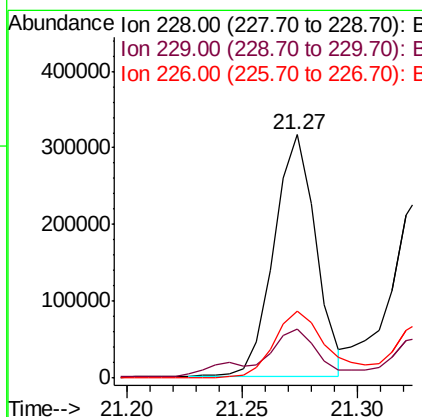
RT: 21.27 min Scan# 3109

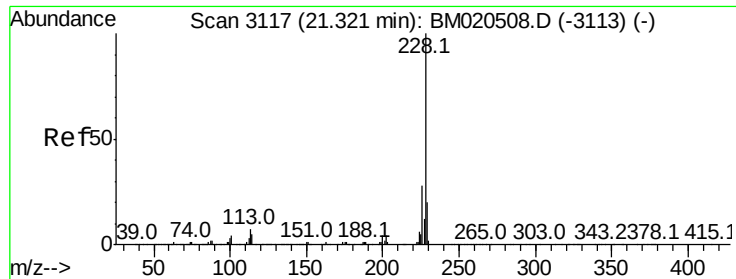
Delta R.T. -0.00 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Tgt Ion:	228	Resp:	397986
Ion Ratio	Lower	Upper	
228	100		
229	20.0	15.8	23.8
226	27.5	20.6	30.8





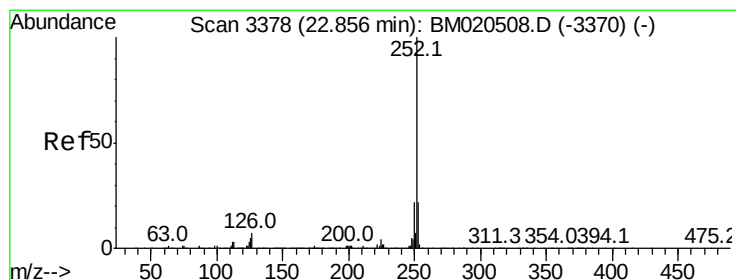
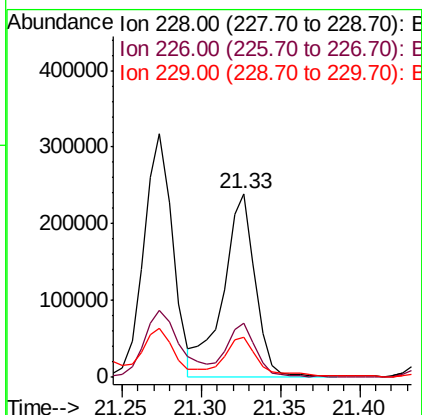
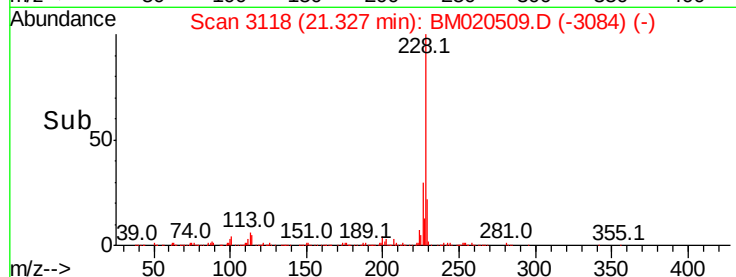
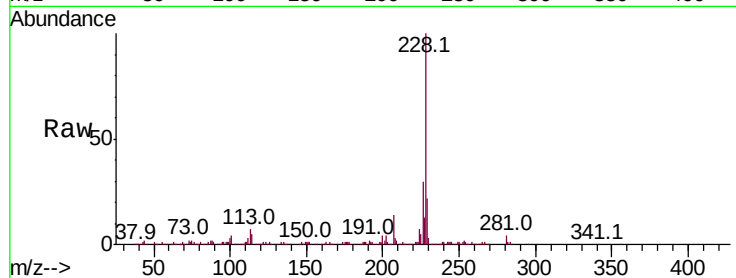
#84
Chrysene
Concen: 19.076 ng/ul
RT: 21.33 min Scan# 3118
Delta R.T. -0.00 min
Lab File: BM020509.D
Acq: 23 May 2019 09:54

Instrument :
BNA_M
ClientSampleId :
A4297DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	333979		
226	29.6		22.2	33.4
229	22.1		15.4	23.2

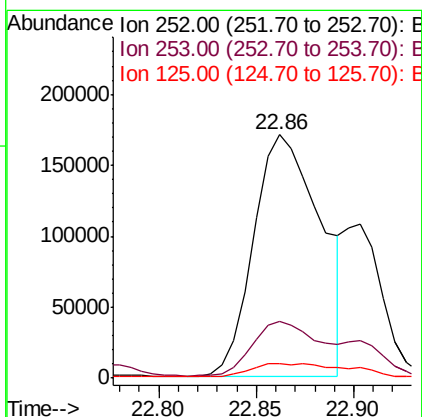
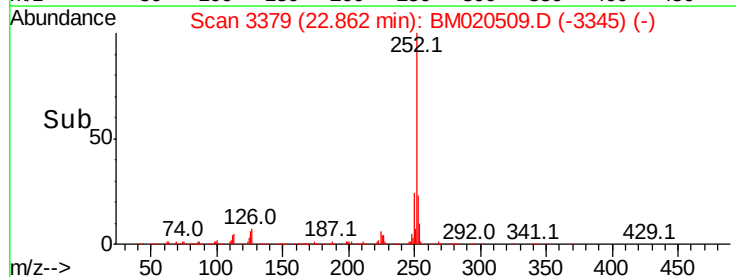
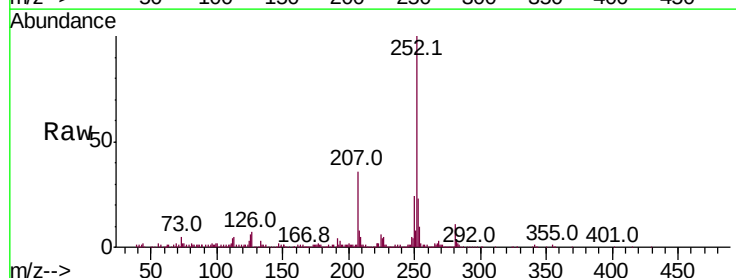
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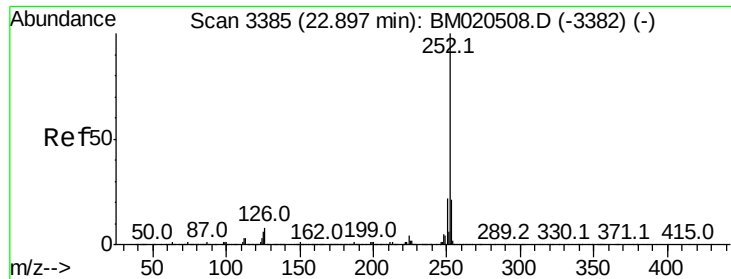
mohammad
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#87
Benzo(b)fluoranthene
Concen: 20.642 ng/ul
RT: 22.86 min Scan# 3379
Delta R.T. -0.00 min
Lab File: BM020509.D
Acq: 23 May 2019 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	407463		
253	23.2		17.0	25.6
125	6.2		5.0	7.4





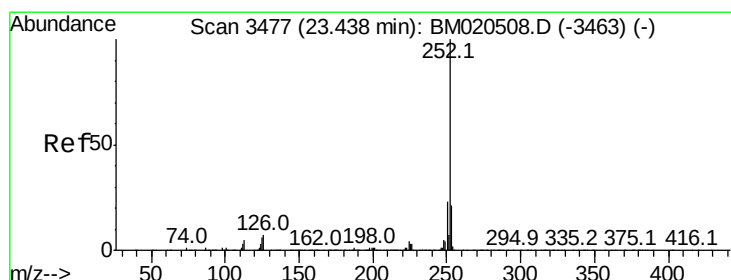
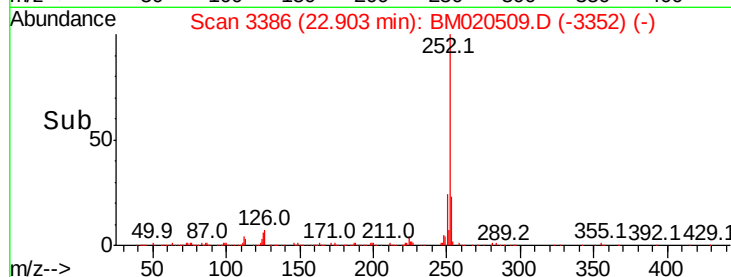
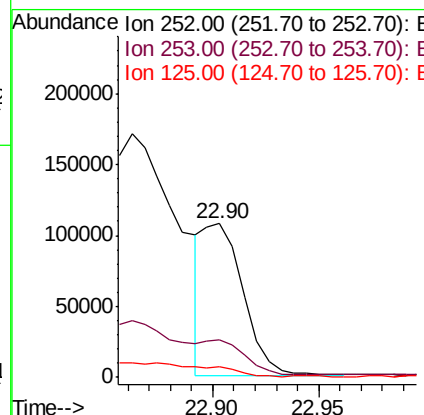
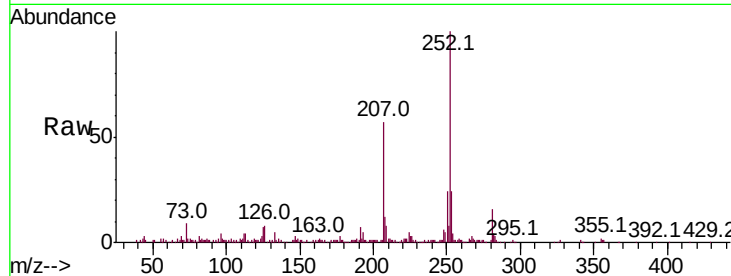
#88
Benzo(k)fluoranthene
Concen: 7.372 ng/ul m
RT: 22.90 min Scan# 3386
Delta R.T. -0.00 min
Lab File: BM020509.D
Acq: 23 May 2019 09:54

Instrument :
BNA_M
ClientSampleId :
A4297DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	6.8	5.0	7.6

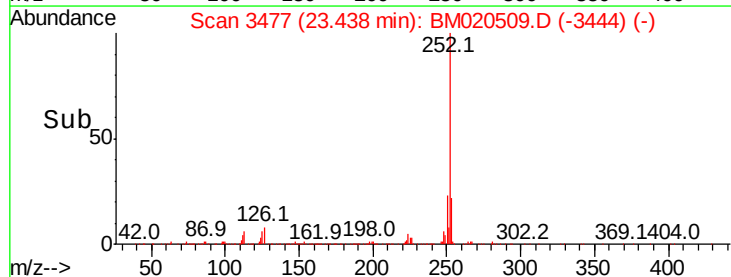
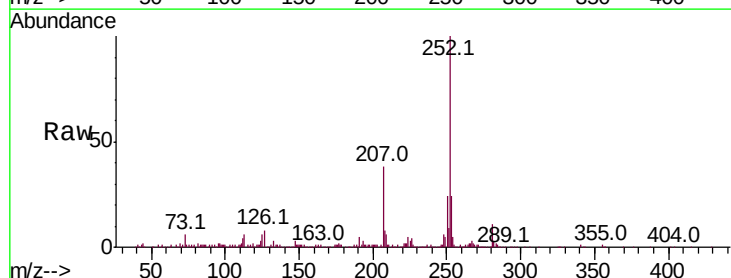
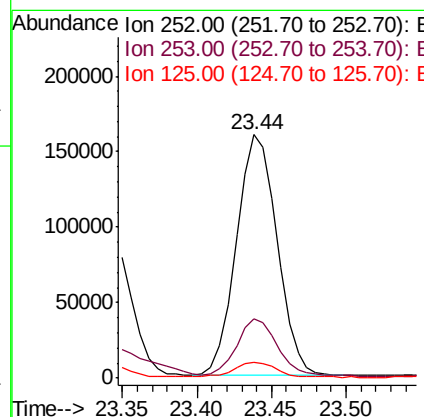
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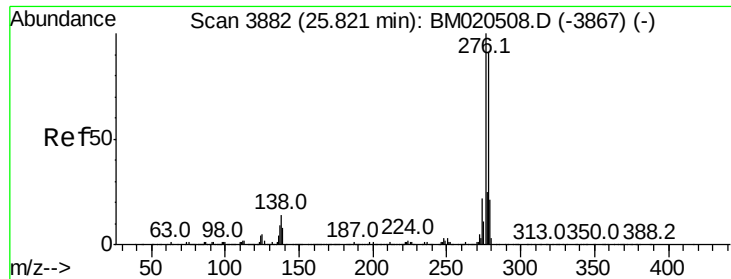
mohammad
5/23/2019 2:22:43 PM



#90
Benzo(a)pyrene
Concen: 16.254 ng/ul
RT: 23.44 min Scan# 3477
Delta R.T. -0.01 min
Lab File: BM020509.D
Acq: 23 May 2019 09:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	6.4	5.4	8.2





#91

Indeno(1,2,3-cd)pyrene

Concen: 8.914 ng/ul

RT: 25.81 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Instrument :

BNA_M

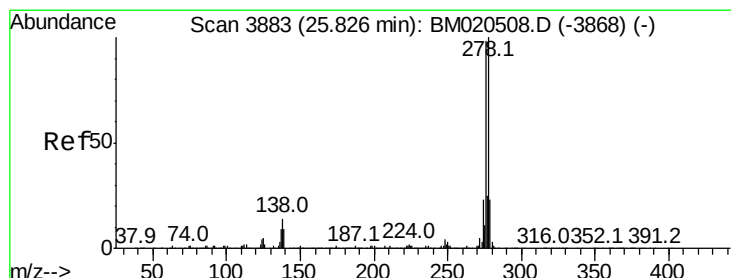
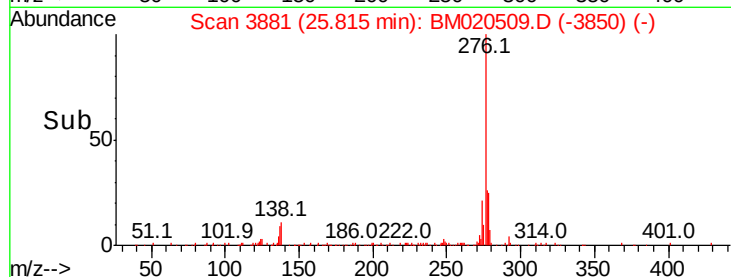
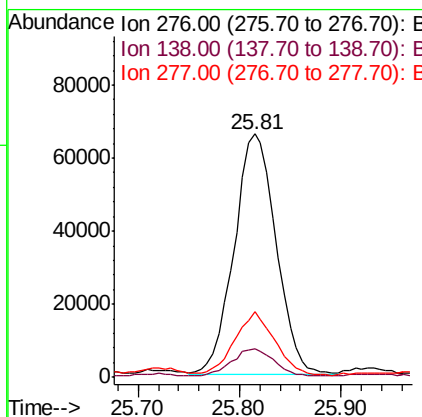
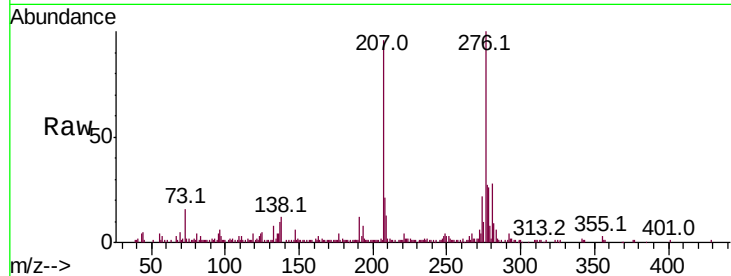
ClientSampleId :

A4297DL

Tot Ion:	276	Resp:	188686
Ion Ratio	Lower	Upper	
276	100		
138	11.7	12.3	18.5#
277	26.7	20.0	30.0

Manual Integrations
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#92

Dibenzo(a,h)anthracene

Concen: 3.125 ng/ul

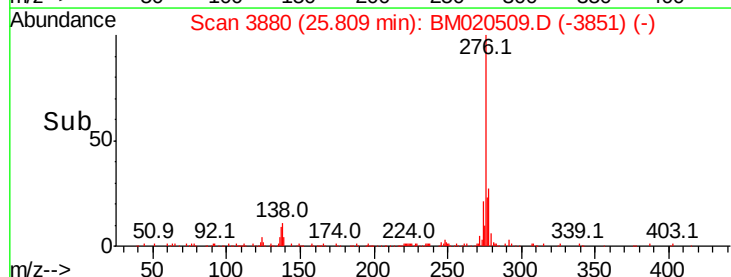
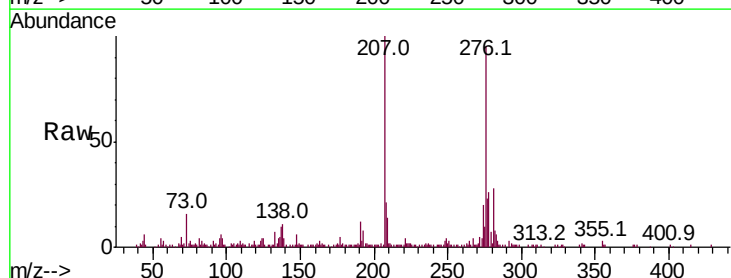
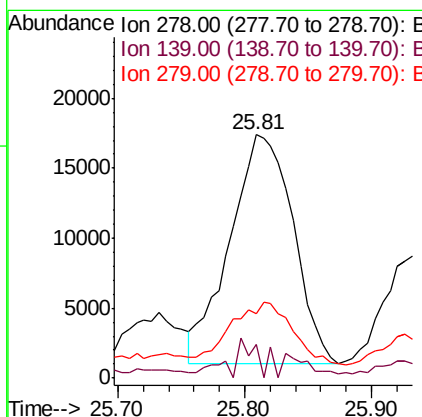
RT: 25.81 min Scan# 3880

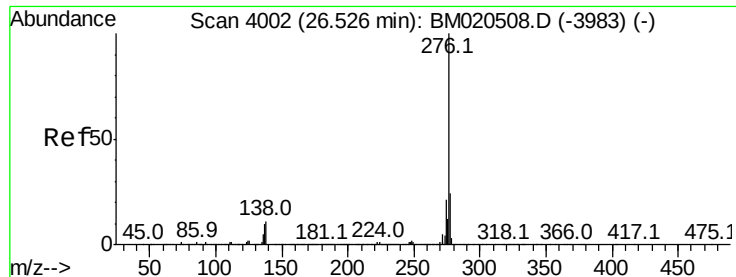
Delta R.T. -0.03 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Tgt Ion:	278	Resp:	56566
Ion Ratio	Lower	Upper	
278	100		
139	13.9	8.1	12.1#
279	26.6	18.7	28.1





#93

Benzo(a,h,i)perylene

Concen: 8.374 ng/ul

RT: 26.51 min Scan# 4000

Delta R.T. -0.02 min

Lab File: BM020509.D

Acq: 23 May 2019 09:54

Instrument :

BNA_M

ClientSampleId :

A4297DL

Tot Ion:	276	Resp:	146723
Ion Ratio	Lower	Upper	
276	100		
138	13.0	10.0	15.0
277	24.8	18.2	27.4

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:43 PM

