

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
 Data File : BM020481.D
 Acq On : 22 May 2019 04:05
 Operator : JU/SJ
 Sample : K2923-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4254

Manual Integrations
 APPROVED

mohammad
 5/23/2019 8:43:42 AM

Quant Time: May 22 06:56:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 06:40:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	58332	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	215268	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	130520	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	330988	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	393384	20.00	ng/ul	0.00
85) Perylene-d12	23.62	264	468277	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	8036	5.08	ng/uL	0.00
5) Phenol-d5	6.89	99	118314	25.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	73744	24.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	94078	27.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	82816	24.44	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	38461	27.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	43412	28.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	88861	27.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	53122	15.75	ng/ul	0.00
43) Dimethylphthalate-d6	13.78	166	267566	28.49	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	343907	29.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	20578m	15.09	ng/ul	0.00
57) Fluorene-d10	15.37	176	253735	30.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	29006	15.39	ng/ul	0.00
70) Anthracene-d10	17.22	188	410707	28.93	ng/ul	0.00
78) Pyrene-d10	19.52	212	522525	27.58	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	601399	28.26	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	6.91	94	6156	1.258	ng/ul#	80
44) Dimethylphthalate	13.83	163	98328	10.585	ng/ul	99
47) Acenaphthylene	14.09	152	15165	1.369	ng/ul	98
49) Acenaphthene	14.43	153	10089	1.325	ng/ul	95
53) Dibenzofuran	14.77	168	11746	1.019	ng/ul#	87
58) Fluorene	15.42	166	13145	1.423	ng/ul	90
69) Phenanthrene	17.16	178	402181	25.502	ng/ul	98
71) Anthracene	17.26	178	65065	4.056	ng/ul	98
74) Carbazole	17.53	167	39211	2.880	ng/ul	96
76) Fluoranthene	19.19	202	756908	37.994	ng/ul	99
79) Pyrene	19.55	202	613739	25.993	ng/ul	99
82) Benzo(a)anthracene	21.30	228	311741	13.166	ng/ul	98
84) Chrysene	21.36	228	324627	14.347	ng/ul	95
87) Benzo(b)fluoranthene	22.92	252	476805	17.841	ng/ul	98
88) Benzo(k)fluoranthene	22.95	252	127707m	4.865	ng/ul	
90) Benzo(a)pyrene	23.52	252	291080	11.573	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	26.03	276	223962m	7.815	ng/ul	
93) Benzo(g,h,i)perylene	26.79	276	171326m	7.222	ng/ul	

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

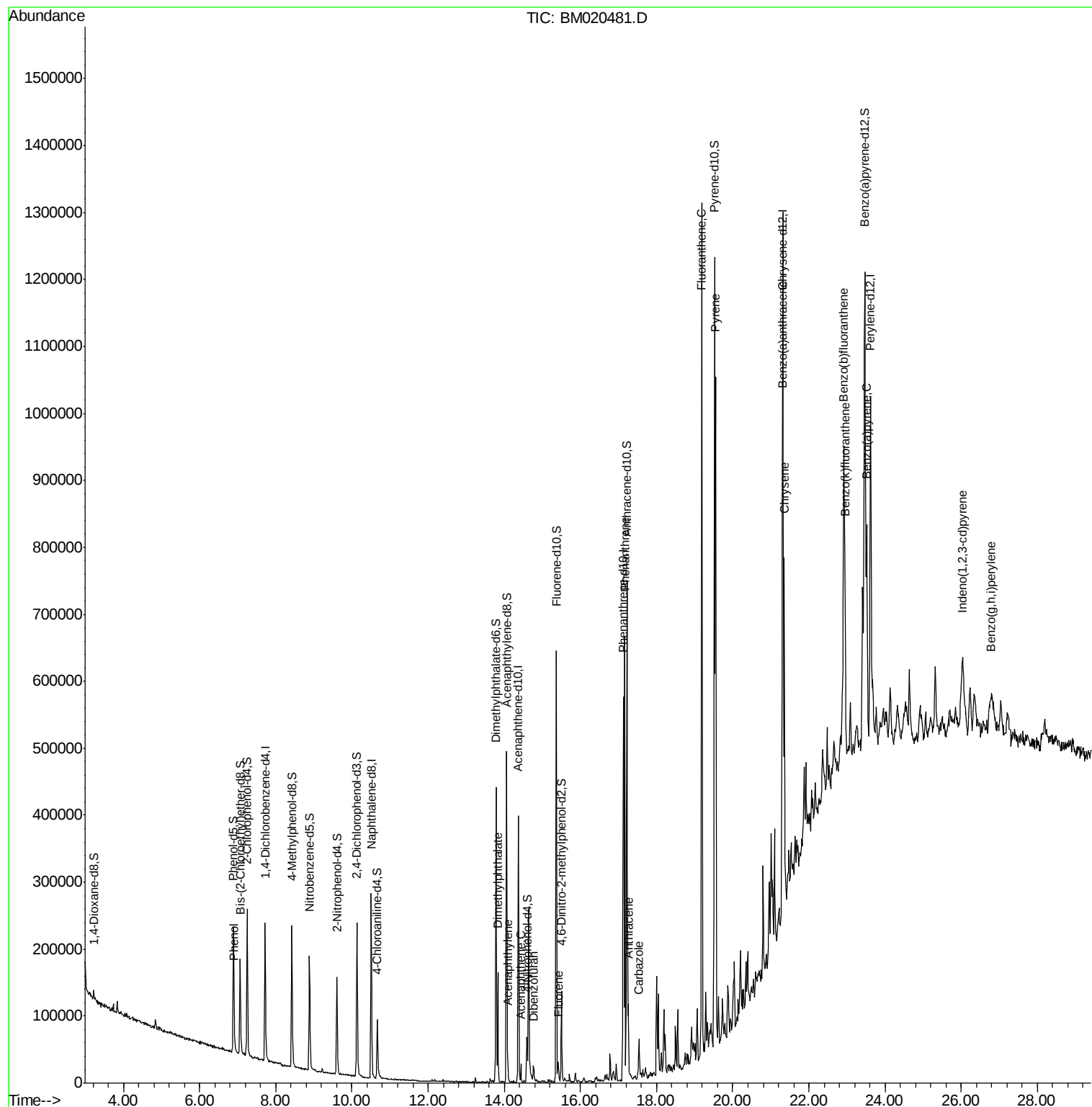
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
Data File : BM020481.D
Acq On : 22 May 2019 04:05
Operator : JU/SJ
Sample : K2923-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

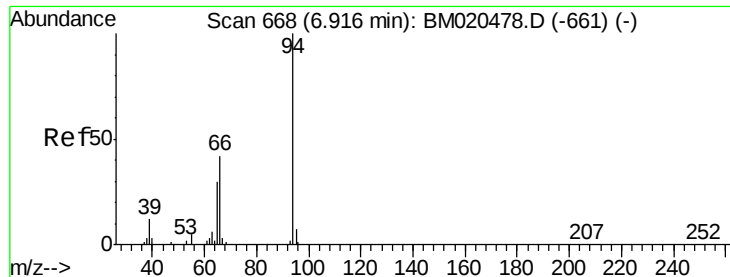
Instrument :
BNA_M
ClientSampleId :
A4254

Quant Time: May 22 06:56:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 06:40:26 2019
Response via : Initial Calibration

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#6

Phenol

Concen: 1.258 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. -0.01 min

Lab File: BM020481.D

Acq: 22 May 2019 04:05

Instrument :

BNA_M

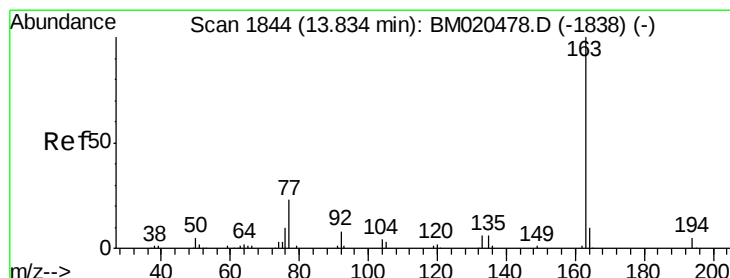
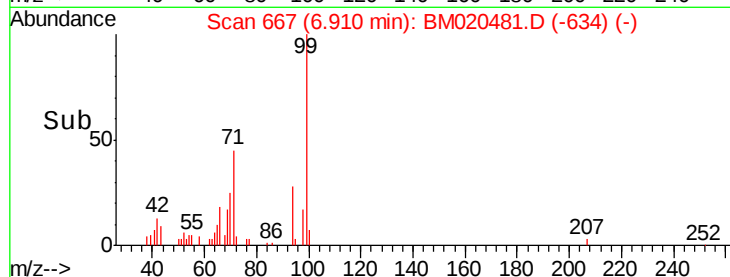
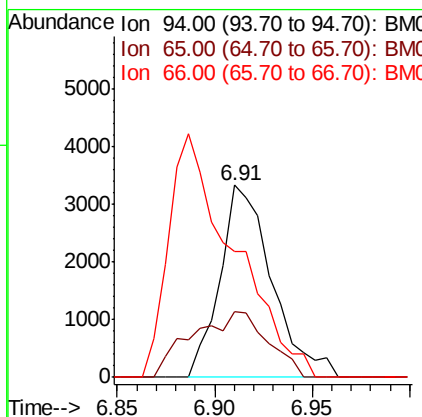
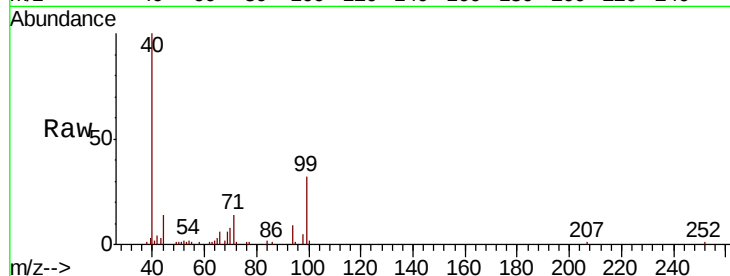
ClientSampleId :

A4254

Tot Ion:	94	Resp:	6156
Ion	Ratio	Lower	Upper
94	100		
65	34.2	25.4	38.0
66	65.4	36.5	54.7#

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#44

Dimethylphthalate

Concen: 10.585 ng/ul

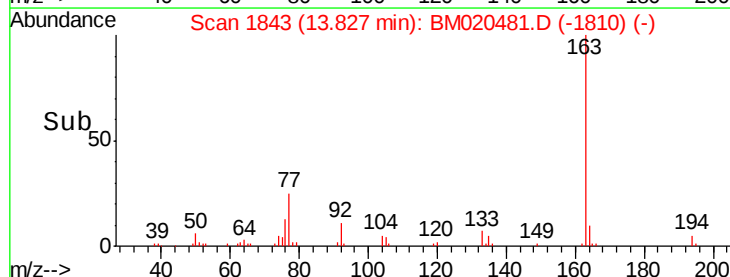
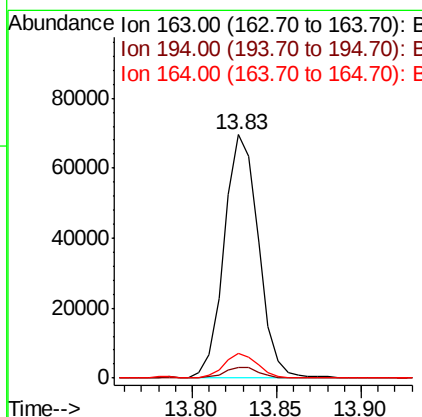
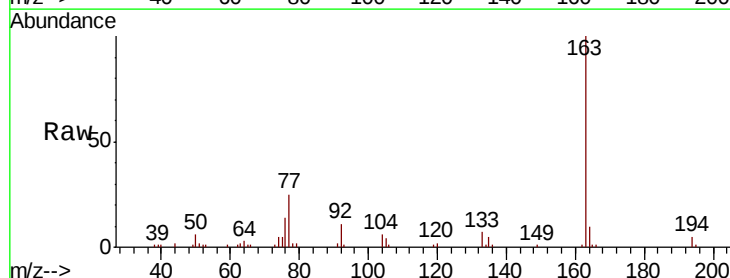
RT: 13.83 min Scan# 1843

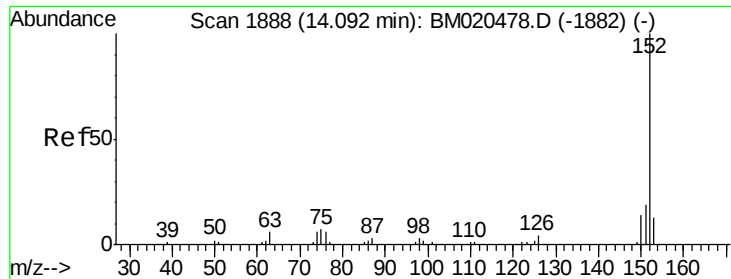
Delta R.T. -0.01 min

Lab File: BM020481.D

Acq: 22 May 2019 04:05

Tgt Ion:	163	Resp:	98328
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.4	8.0	12.0





#47

Acenaphthylene

Concen: 1.369 ng/ul

RT: 14.09 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BM020481.D

Acq: 22 May 2019 04:05

Instrument :

BNA_M

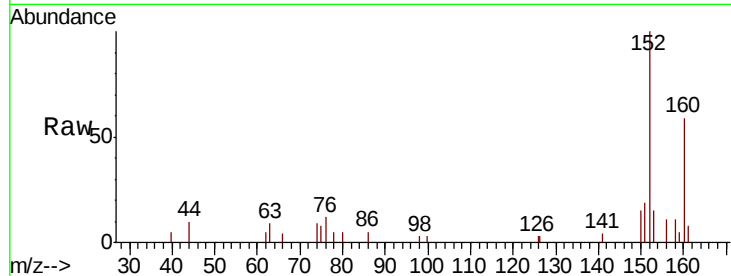
ClientSampleId :

A4254

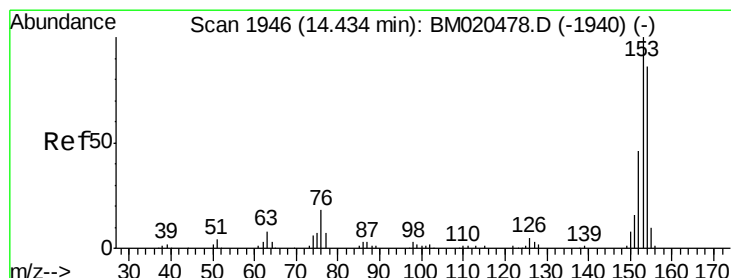
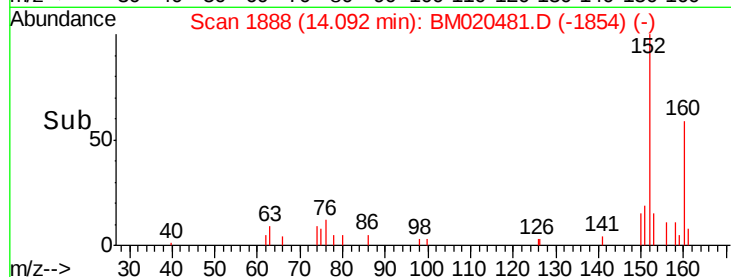
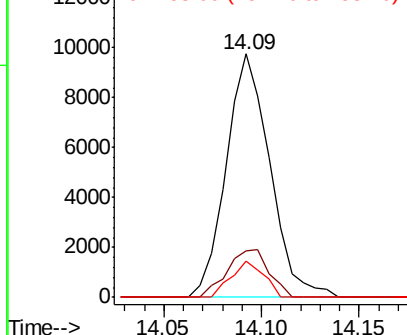
Tot Ion:	152	Resp:	15165
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.4	23.0
153	14.8	10.3	15.5

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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: 1.325 ng/ul

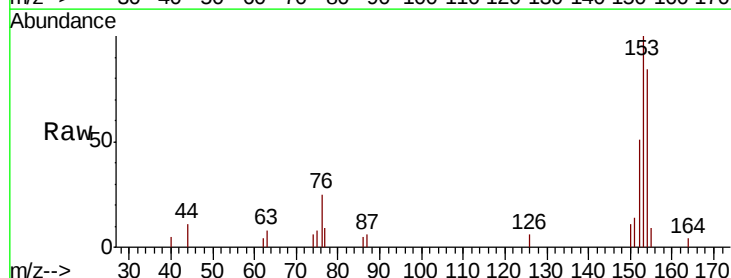
RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

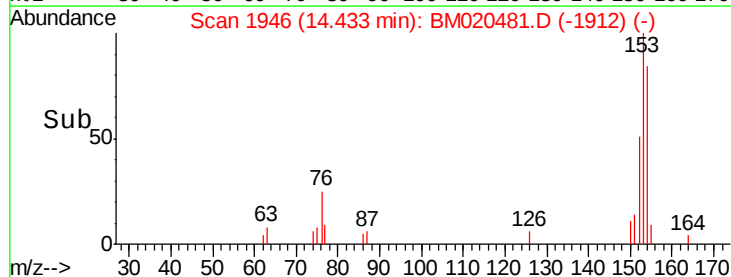
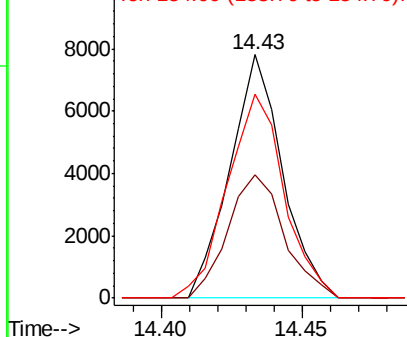
Lab File: BM020481.D

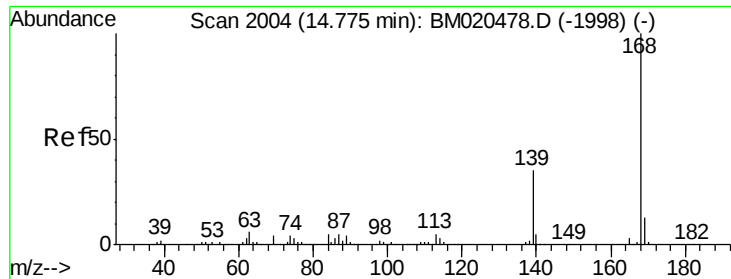
Acq: 22 May 2019 04:05

Tgt Ion:	153	Resp:	10089
Ion Ratio	Lower	Upper	
153	100		
152	50.7	37.9	56.9
154	84.0	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





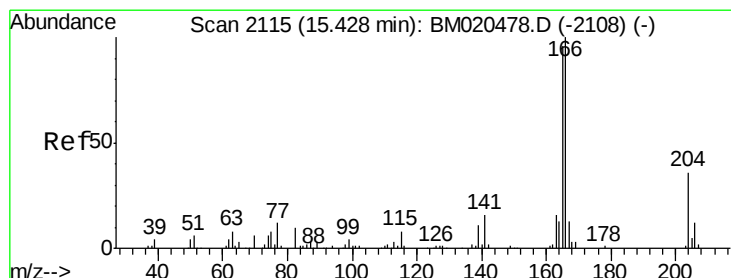
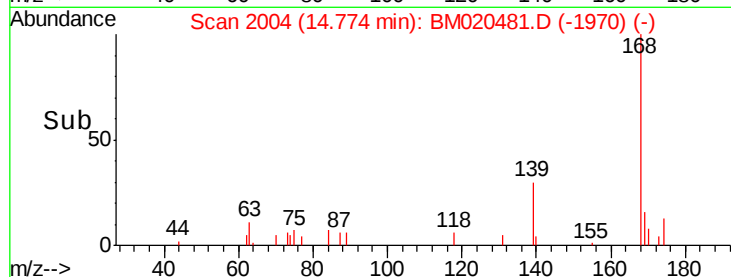
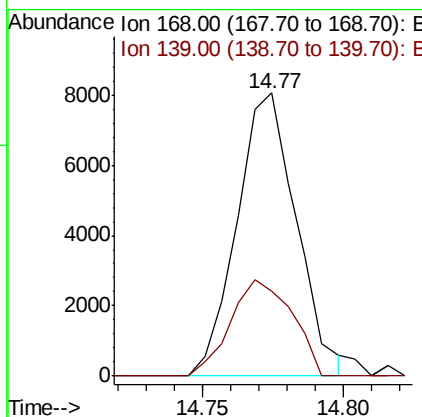
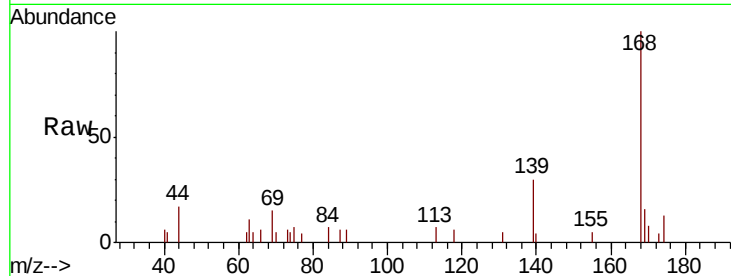
#53
Dibenzenofuran
Concen: 1.019 ng/ul
RT: 14.77 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Instrument :
BNA_M
ClientSampleId :
A4254

Tot Ion:168 Resp: 11746
Ion Ratio Lower Upper
168 100
139 30.0 30.1 45.1#

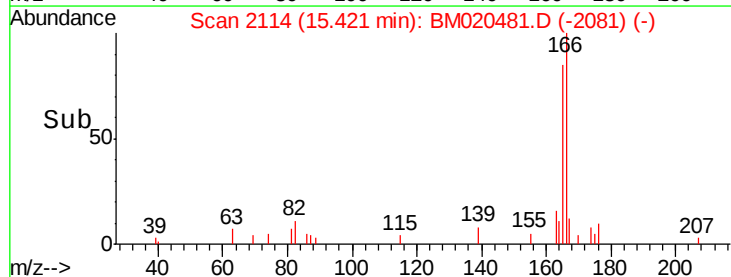
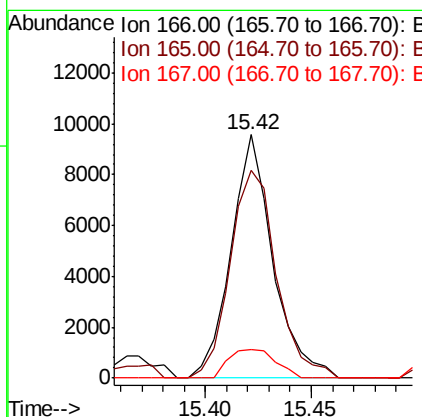
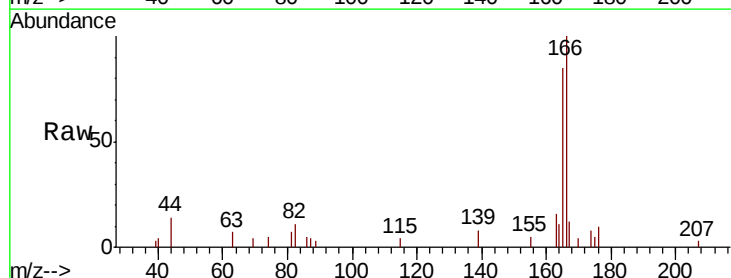
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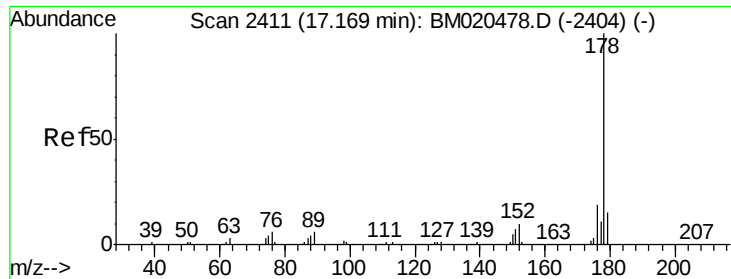
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#58
Fluorene
Concen: 1.423 ng/ul
RT: 15.42 min Scan# 2114
Delta R.T. -0.01 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Tgt Ion:166 Resp: 13145
Ion Ratio Lower Upper
166 100
165 85.4 77.1 115.7
167 11.9 11.1 16.7





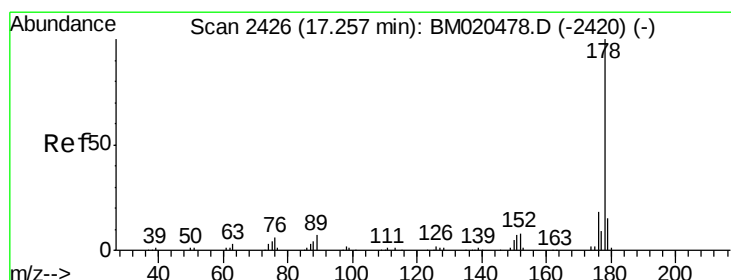
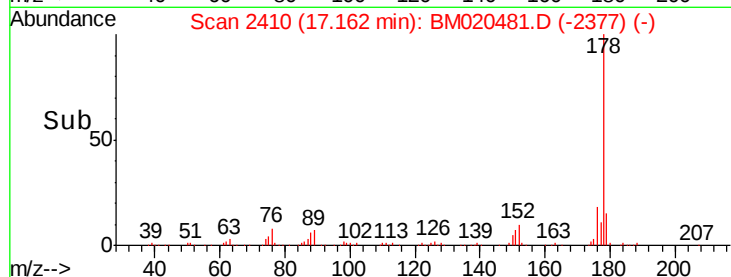
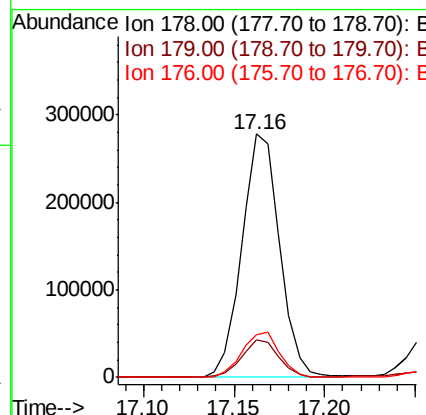
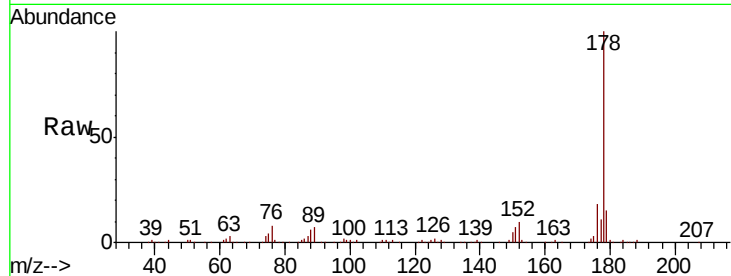
#69
 Phenanthrene
 Concen: 25.502 ng/ul
 RT: 17.16 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BM020481.D
 Acq: 22 May 2019 04:05

Instrument :
 BNA_M
 ClientSampleId :
 A4254

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	17.6	14.6	22.0

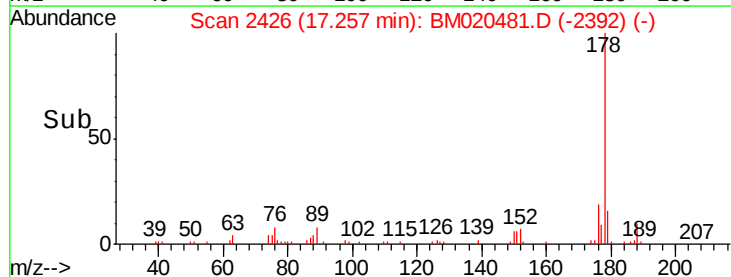
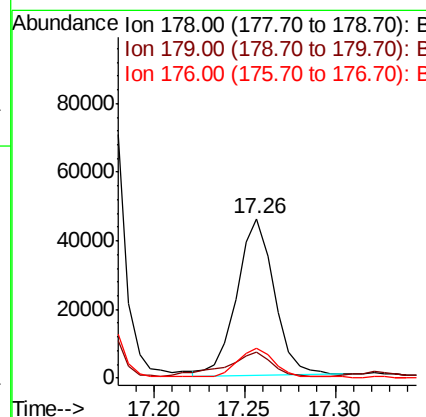
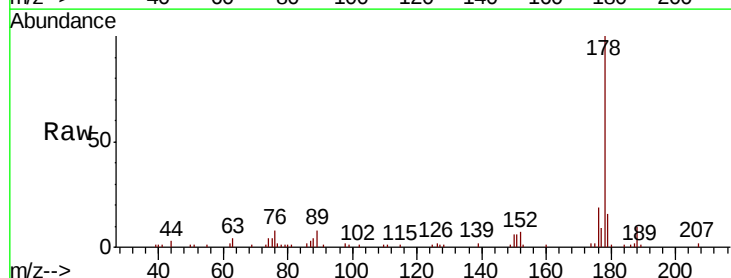
Manual Integrations
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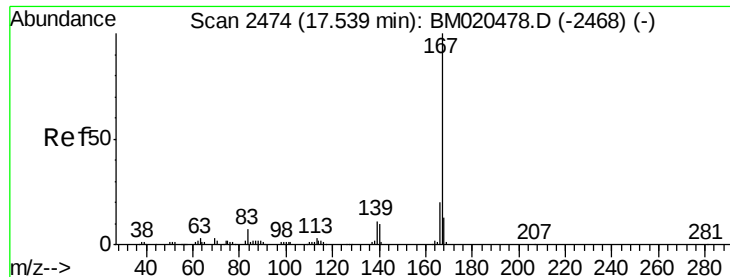
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#71
 Anthracene
 Concen: 4.056 ng/ul
 RT: 17.26 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: BM020481.D
 Acq: 22 May 2019 04:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.4	18.6
176	18.9	14.4	21.6





#74

Carbazole

Concen: 2.880 ng/ul

RT: 17.53 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BM020481.D

Acq: 22 May 2019 04:05

Instrument :

BNA_M

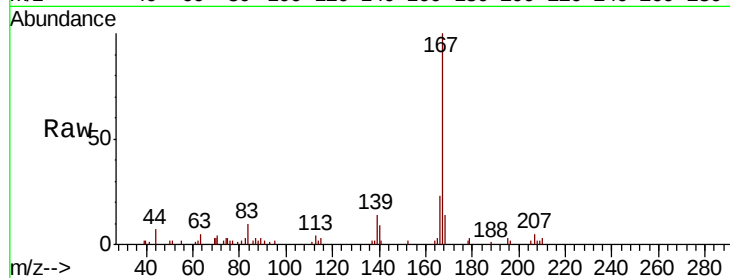
ClientSampleId :

A4254

Tot Ion:	167	Resp:	39211
Ion Ratio	Lower	Upper	
167	100		
166	22.8	16.6	24.8
139	13.9	9.8	14.8

Manual Integrations
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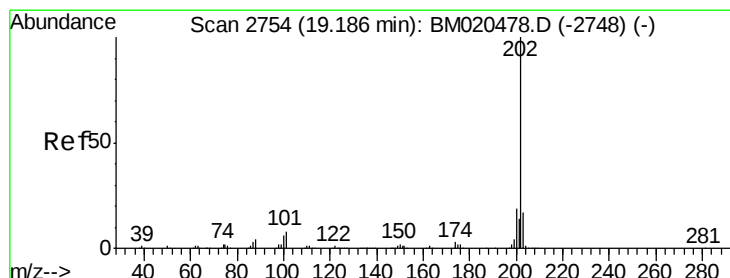
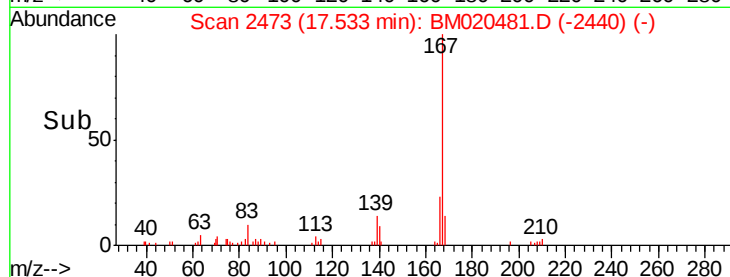
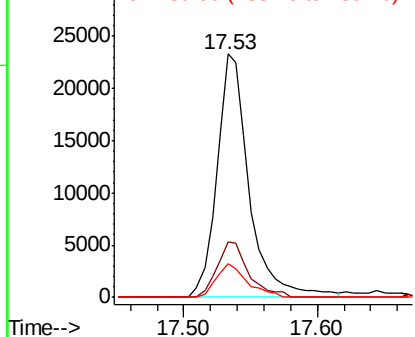


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 37.994 ng/ul

RT: 19.19 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BM020481.D

Acq: 22 May 2019 04:05

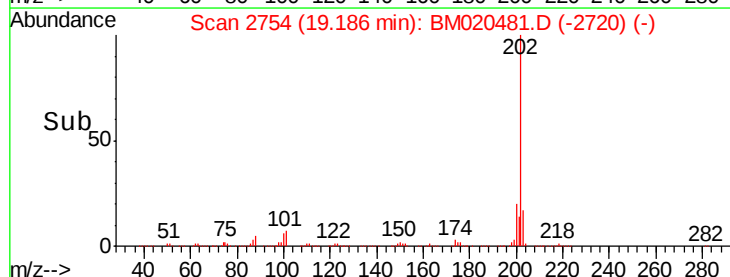
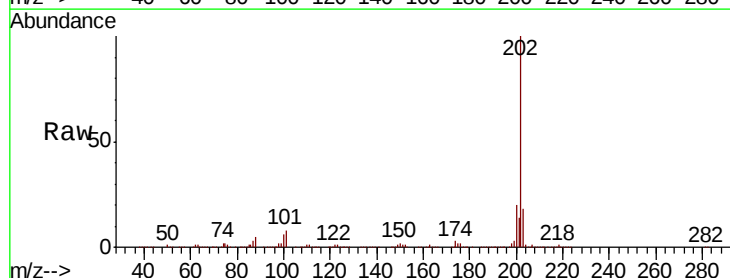
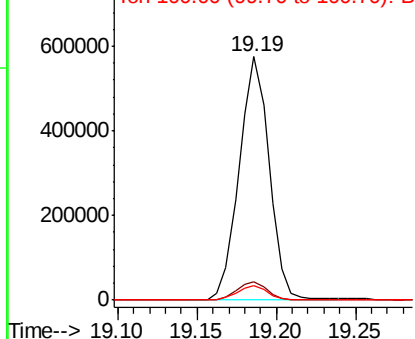
Tgt Ion:	202	Resp:	756908
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.4	9.6
100	5.9	5.2	7.8

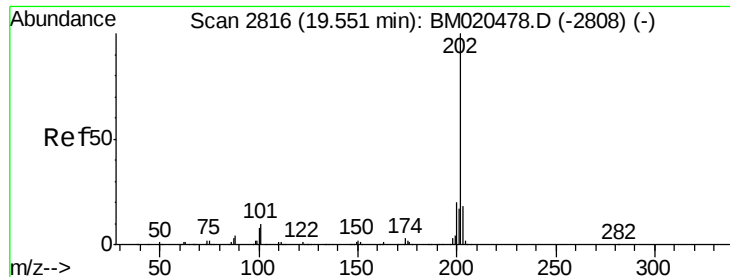
Abundance

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): E





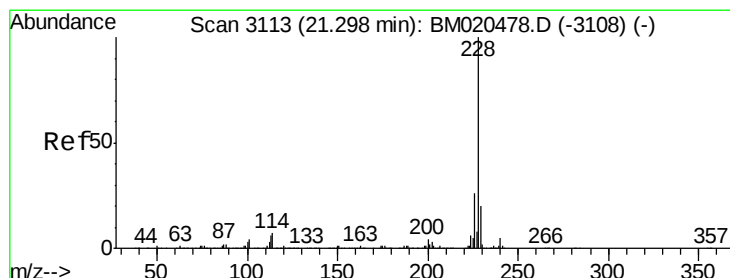
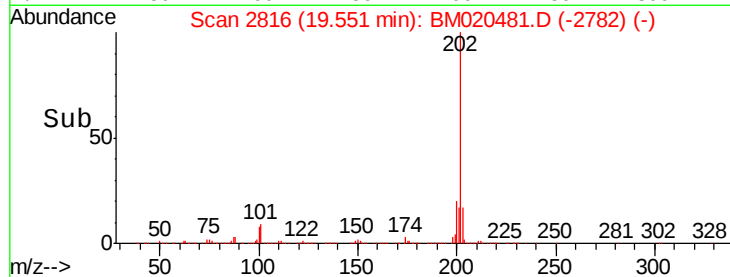
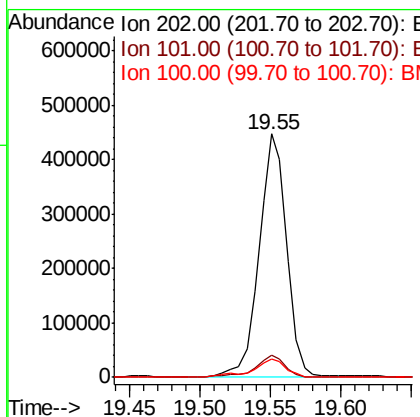
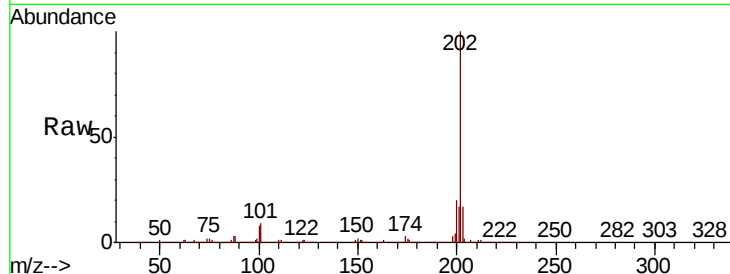
#79
Pvrene
Concen: 25.993 ng/ul
RT: 19.55 min Scan# 2816
Delta R.T. -0.00 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Instrument :
BNA_M
ClientSampleId :
A4254

Tot Ion	Ratio	Resp	Lower	Upper
202	100	613739		
101	9.2		7.1	10.7
100	7.7		5.9	8.9

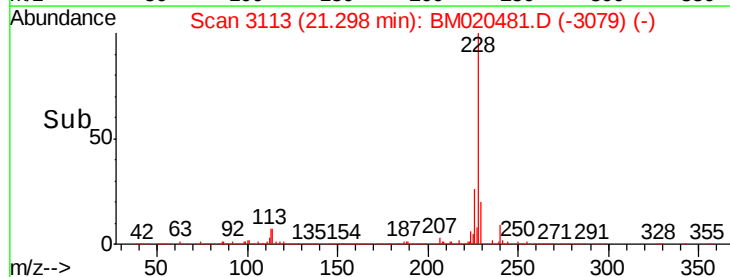
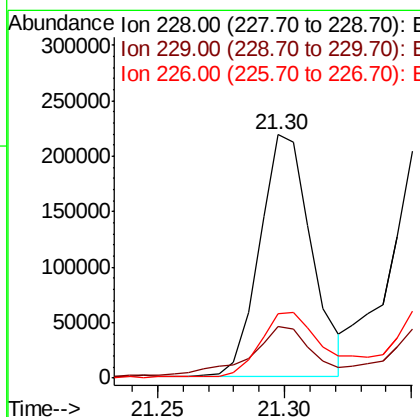
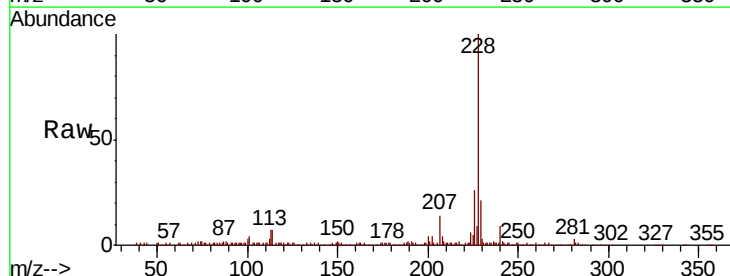
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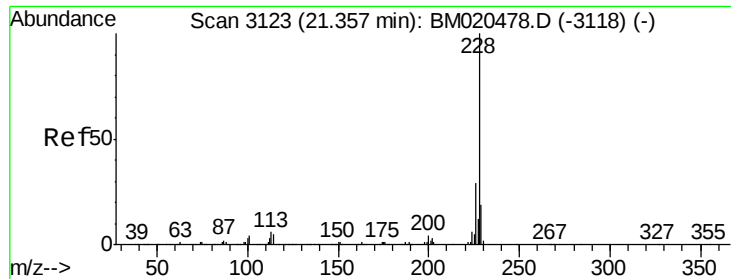
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#82
Benzo(a)anthracene
Concen: 13.166 ng/ul
RT: 21.30 min Scan# 3113
Delta R.T. -0.00 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	311741		
229	21.2		15.8	23.8
226	26.4		20.6	30.8





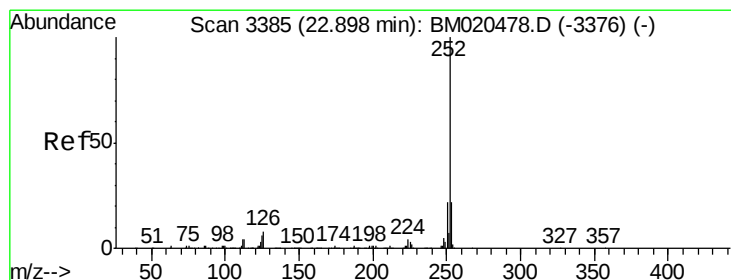
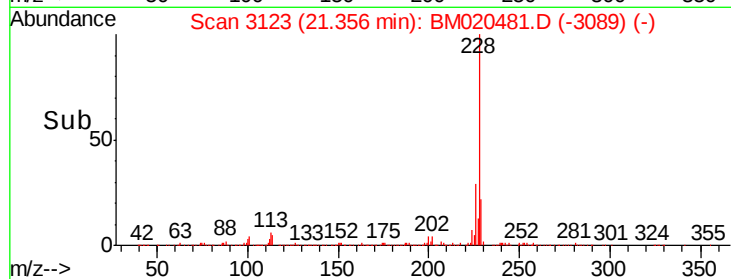
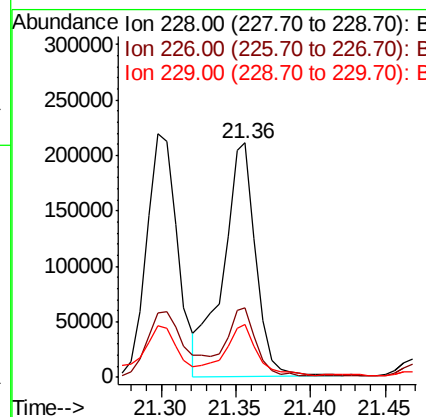
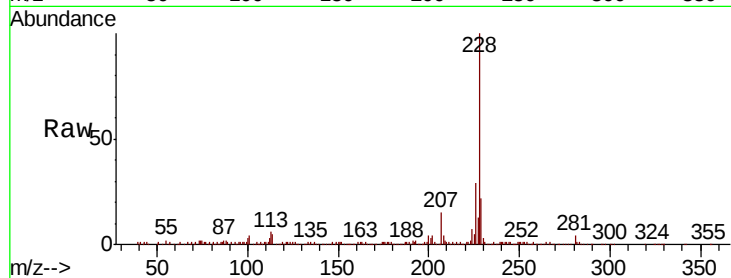
#84
Chrysene
Concen: 14.347 ng/ul
RT: 21.36 min Scan# 3123
Delta R.T. -0.00 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Instrument :
BNA_M
ClientSampleId :
A4254

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.4
229	22.3	15.4	23.2

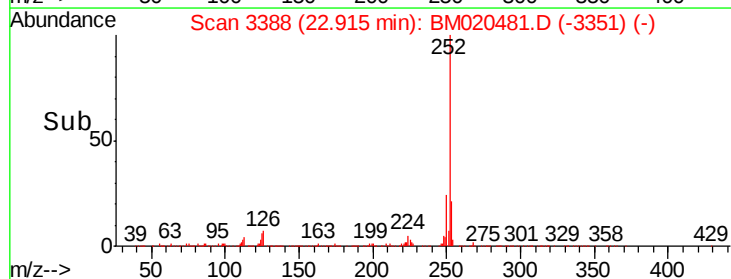
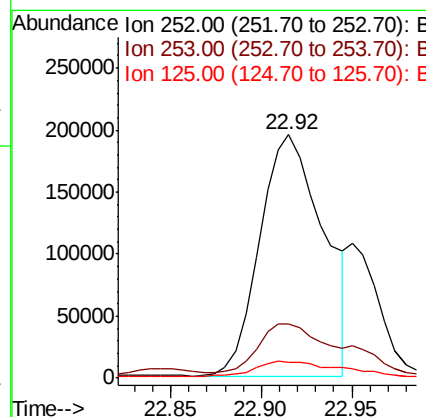
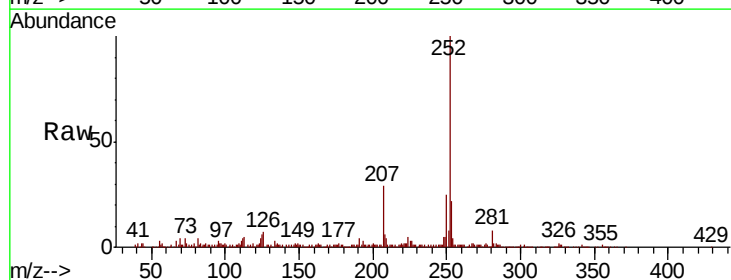
Manual Integrations
APPROVED

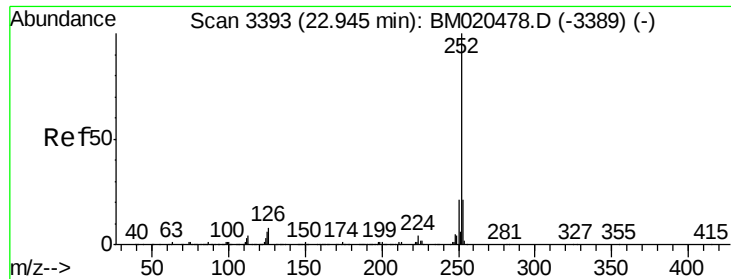
mohammad
5/23/2019 8:43:42 AM



#87
Benzo(b)fluoranthene
Concen: 17.841 ng/ul
RT: 22.92 min Scan# 3388
Delta R.T. 0.02 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	6.5	5.0	7.4





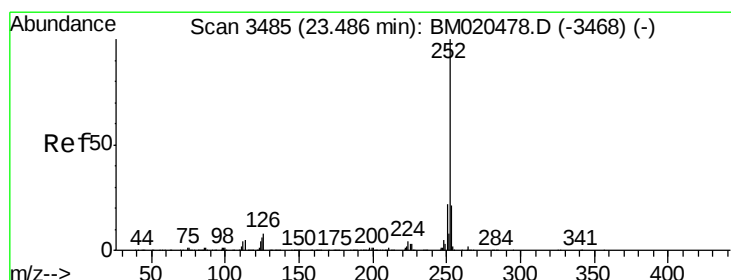
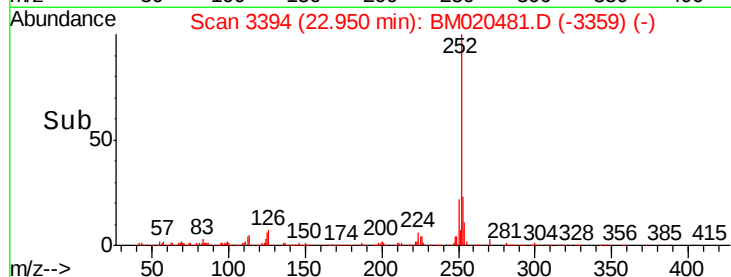
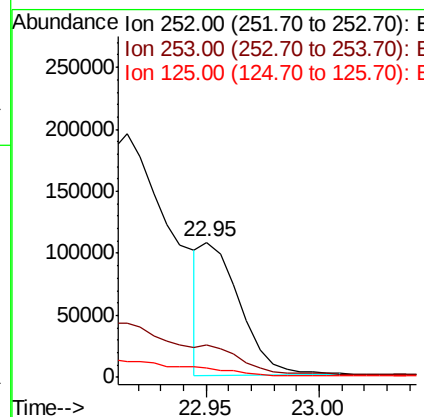
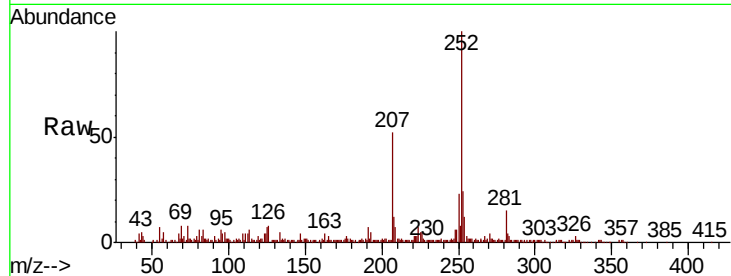
#88
Benzo(k)fluoranthene
Concen: 4.865 ng/ul m
RT: 22.95 min Scan# 3394
Delta R.T. 0.01 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Instrument :
BNA_M
ClientSampled :
A4254

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	7.2	5.0	7.6

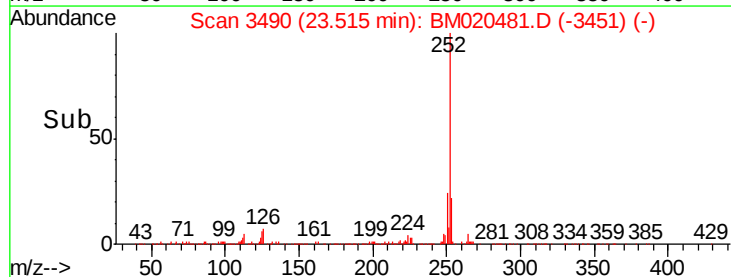
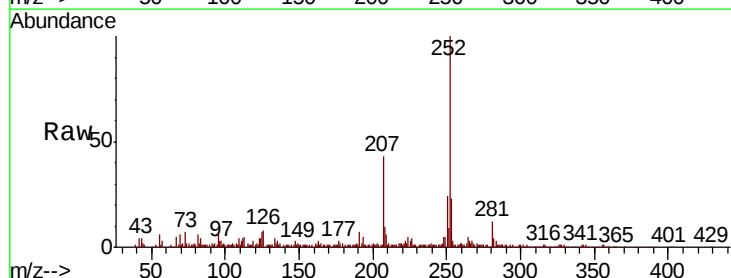
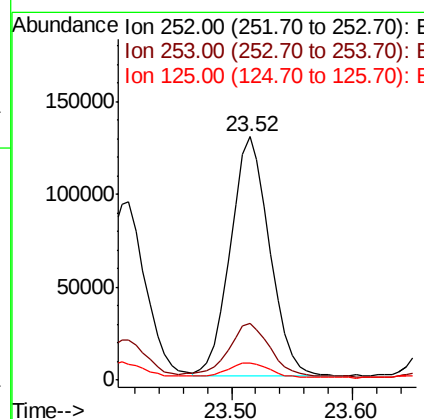
Manual Integrations
APPROVED

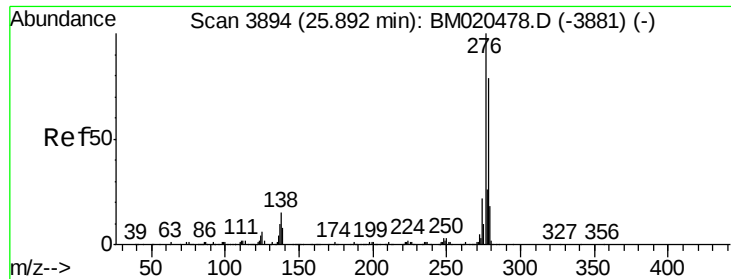
mohammad
5/23/2019 8:43:42 AM



#90
Benzo(a)pyrene
Concen: 11.573 ng/ul
RT: 23.52 min Scan# 3490
Delta R.T. 0.03 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	6.8	5.4	8.2





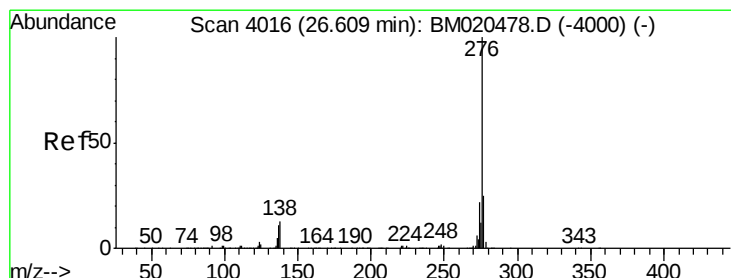
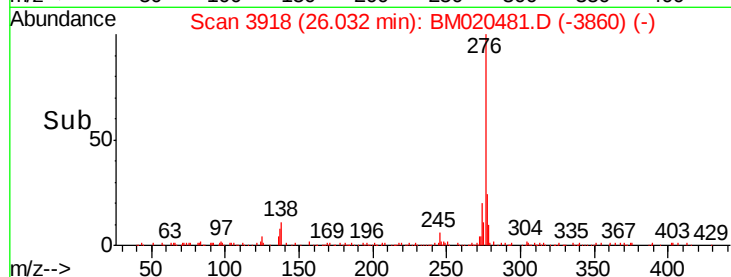
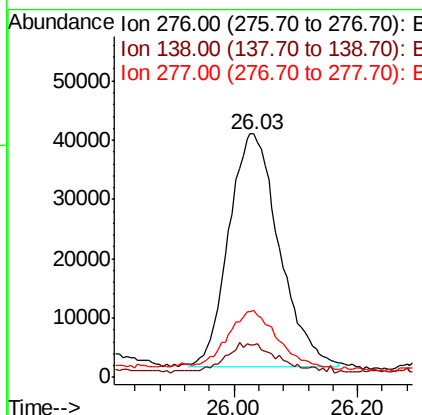
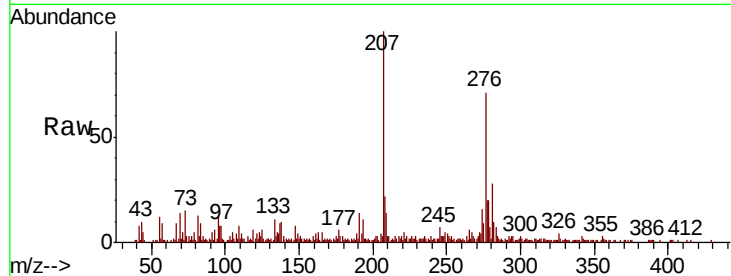
#91
Indeno(1,2,3-cd)pyrene
Concen: 7.815 ng/ul m
RT: 26.03 min Scan# 3918
Delta R.T. 0.14 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Instrument :
BNA_M
ClientSampleId :
A4254

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.5	12.3	18.5
277	27.8	20.0	30.0

Manual Integrations
APPROVED

mohammad
5/23/2019 8:43:42 AM



#93
Benzo(g,h,i)perylene
Concen: 7.222 ng/ul m
RT: 26.79 min Scan# 4047
Delta R.T. 0.18 min
Lab File: BM020481.D
Acq: 22 May 2019 04:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.3	10.0	15.0
277	27.1	18.2	27.4

