

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070219\
 Data File : BM021339.D
 Acq On : 02 Jul 2019 12:45
 Operator : HP/JU
 Sample : K3594-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5BC8

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:50:10 PM

Quant Time: Jul 02 16:57:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 02 01:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	211242	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	904995	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	533444	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1088207	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	842585	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1003588	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	16790	3.77	ng/uL	0.00
5) Phenol-d5	6.92	99	454412	24.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	259019	23.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	375802	25.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	407334	26.54	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	200765	27.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	232366	28.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	465221	28.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	184902	10.69	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	1518381	31.50	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	1659157	28.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	181889	23.20	ng/ul	0.00
57) Fluorene-d10	15.39	176	1270995	30.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	141906	21.21	ng/ul	0.00
70) Anthracene-d10	17.24	188	1820469	32.19	ng/ul	0.00
78) Pyrene-d10	19.54	212	1736884	34.35	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	1889070	31.90	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.91	77	17685	2.110	ng/ul 98
6) Phenol	6.95	94	19240	1.106	ng/ul# 84
32) Caprolactam	11.51	113	12194m	2.873	ng/ul
44) Dimethylphthalate	13.85	163	243699	5.554	ng/ul 98
49) Acenaphthene	14.46	153	51442	1.389	ng/ul 96
56) Diethylphthalate	15.22	149	49884	1.178	ng/ul 99
58) Fluorene	15.44	166	54977	1.283	ng/ul 99
69) Phenanthrene	17.19	178	1655312	27.504	ng/ul 99
71) Anthracene	17.27	178	228884	3.732	ng/ul 99
74) Carbazole	17.55	167	168332	3.330	ng/ul 99
75) Di-n-butylphthalate	18.11	149	144179	2.376	ng/ul 100
76) Fluoranthene	19.21	202	6476116	99.588	ng/ul 99
79) Pyrene	19.57	202	5258500	88.278	ng/ul 98
80) Butylbenzylphthalate	20.47	149	22407	1.016	ng/ul 100
82) Benzo(a)anthracene	21.32	228	2918910	50.813	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.24	149	174218	5.549	ng/ul 99
84) Chrysene	21.37	228	3639939	67.658	ng/ul 97
87) Benzo(b)fluoranthene	22.93	252	6261794	98.499	ng/ul 98
88) Benzo(k)fluoranthene	22.97	252	2178418m	35.619	ng/ul
90) Benzo(a)pyrene	23.52	252	3460395	57.832	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.91	276	3243562	46.034	ng/ul# 95
92) Dibenzo(a,h)anthracene	25.91	278	773524	13.050	ng/ul# 95
93) Benzo(g,h,i)perylene	26.61	276	2713744	46.764	ng/ul 98

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

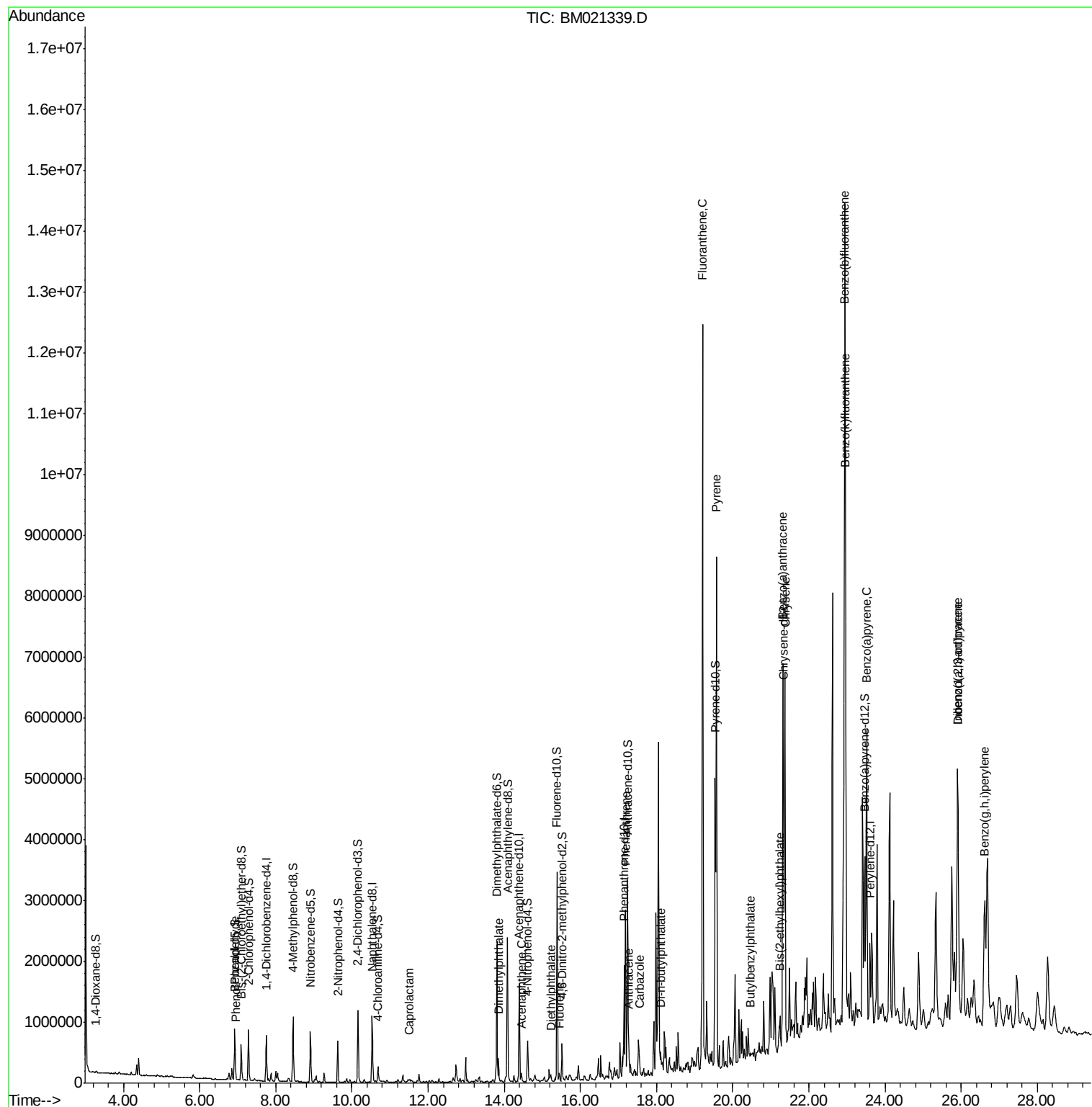
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070219\
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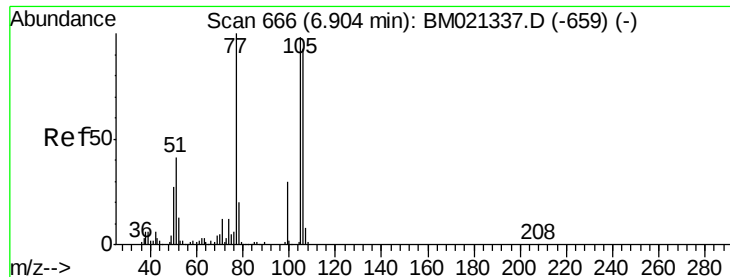
Instrument :
BNA_M
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#4

Benzaldehyd

Concen: 2.110 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. -0.00 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Instrument :

BNA_M

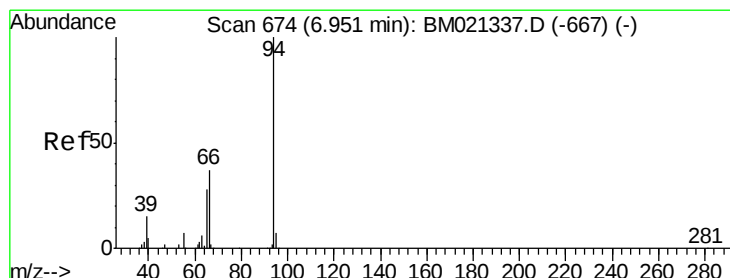
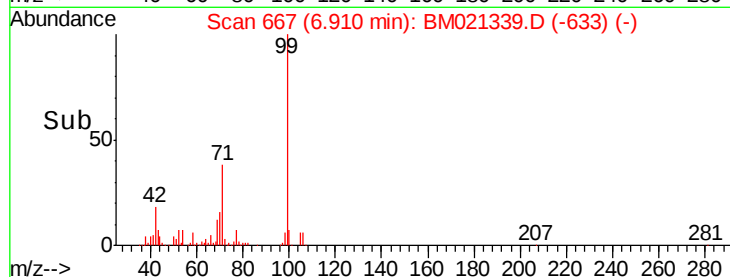
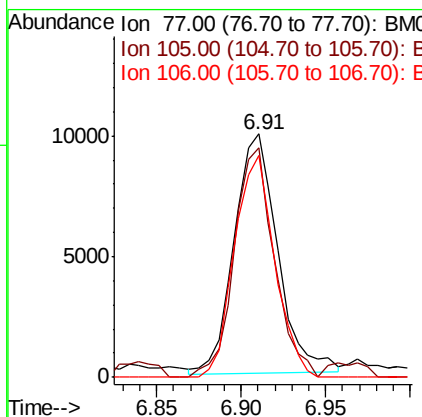
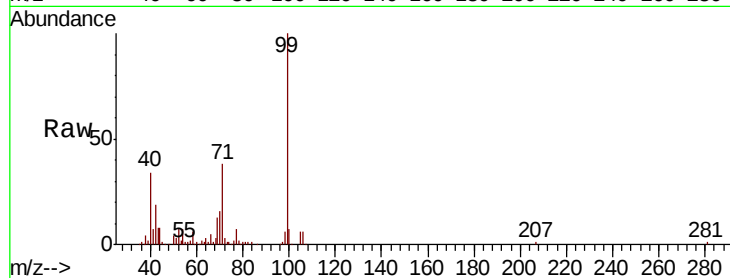
ClientSampled :

C5BC8

Tot Ion:	77	Resp:	17685
Ion	Ratio	Lower	Upper
77	100		
105	94.1	78.1	117.1
106	91.2	73.4	110.2

Manual Integrations
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#6

Phenol

Concen: 1.106 ng/ul

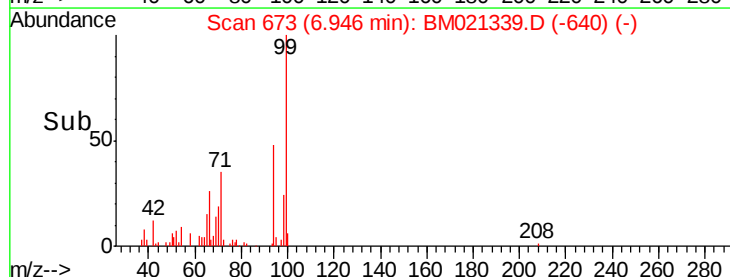
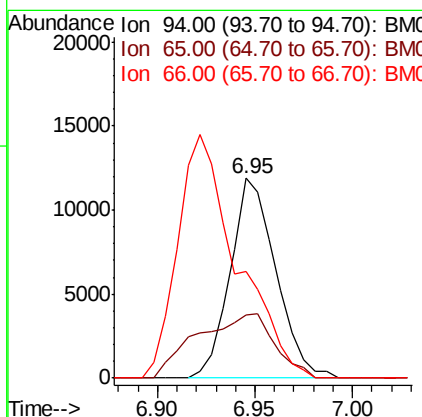
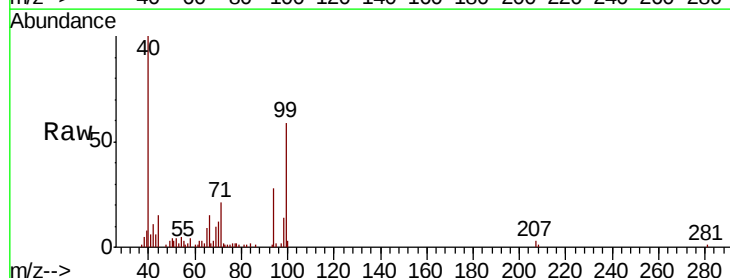
RT: 6.95 min Scan# 673

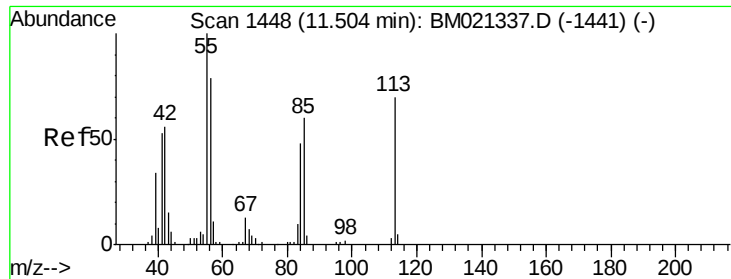
Delta R.T. -0.01 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Tgt Ion:	94	Resp:	19240
Ion	Ratio	Lower	Upper
94	100		
65	31.6	22.6	34.0
66	53.3	31.2	46.8





#32

Caprolactam

Concen: 2.873 ng/ul m

RT: 11.51 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Instrument :

BNA_M

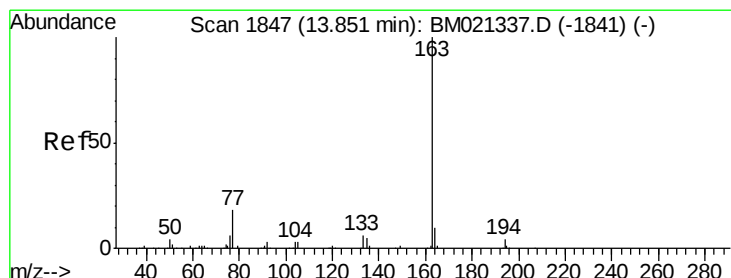
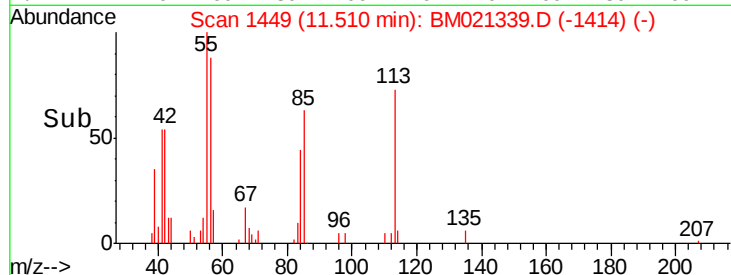
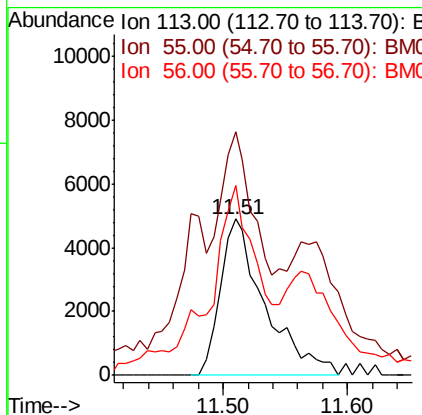
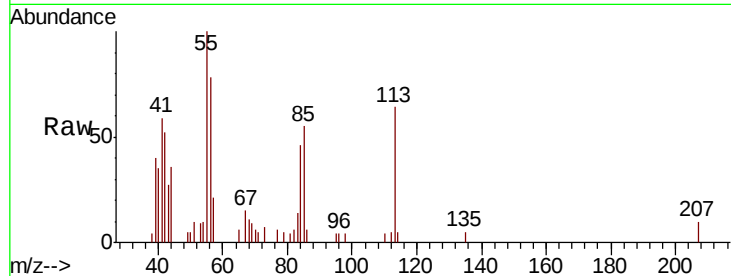
ClientSampled :

C5BC8

Tot Ion:	113	Resp:	12194
Ion	Ratio	Lower	Upper
113	100		
55	155.9	115.8	173.6
56	121.2	91.0	136.6

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#44

Dimethylphthalate

Concen: 5.554 ng/ul

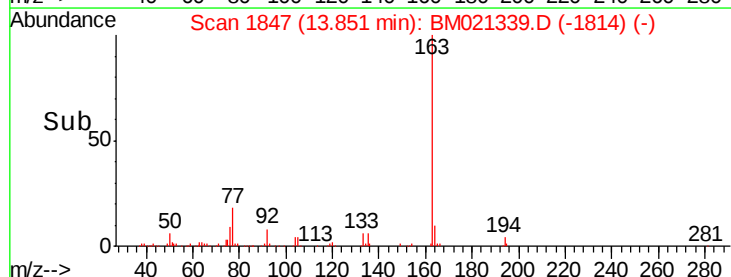
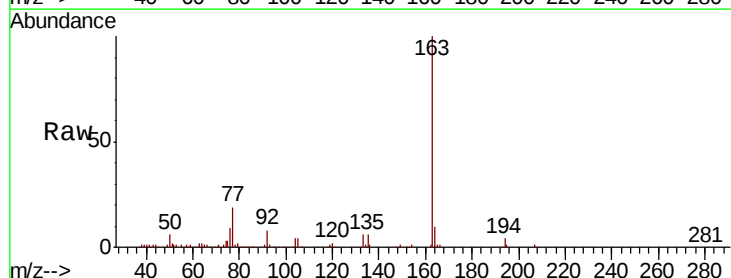
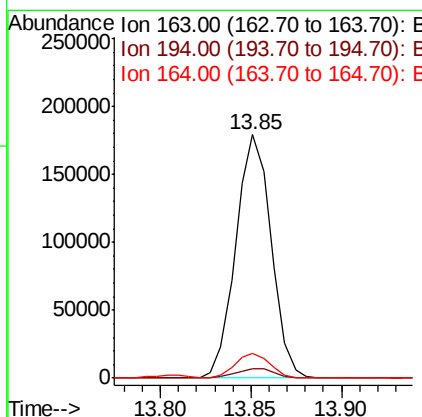
RT: 13.85 min Scan# 1847

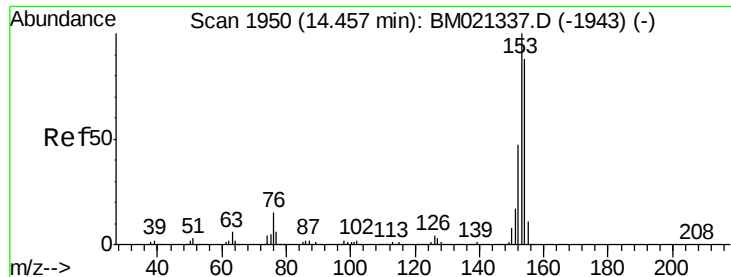
Delta R.T. -0.01 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Tgt Ion:	163	Resp:	243699
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.4	7.7	11.5





#49

Acenaphthene

Concen: 1.389 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Instrument :

BNA_M

ClientSampleId :

C5BC8

Tot Ion:153 Resp: 51442

Ion Ratio Lower Upper

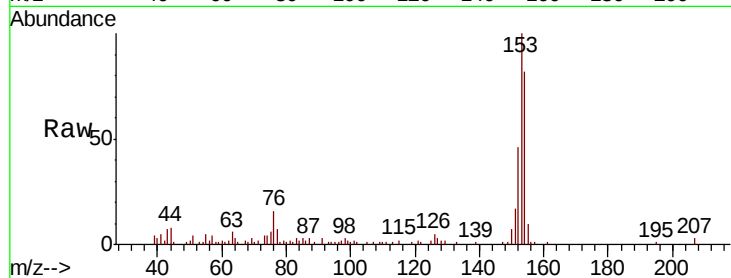
153 100

152 45.9 37.3 55.9

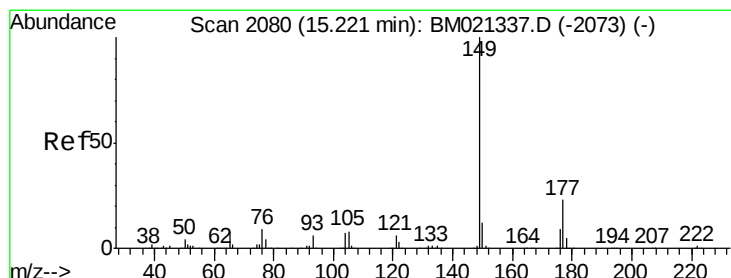
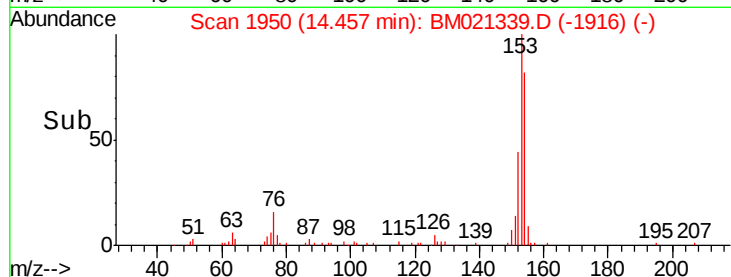
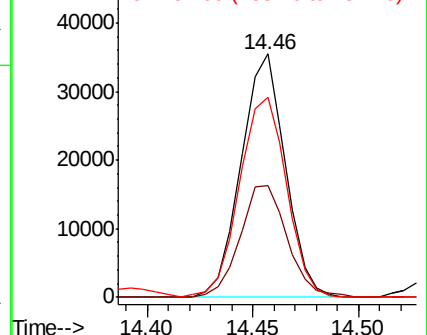
154 82.3 70.5 105.7

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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



#56

Diethylphthalate

Concen: 1.178 ng/ul

RT: 15.22 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

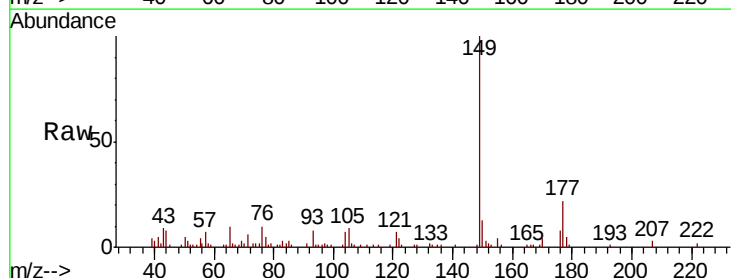
Tgt Ion:149 Resp: 49884

Ion Ratio Lower Upper

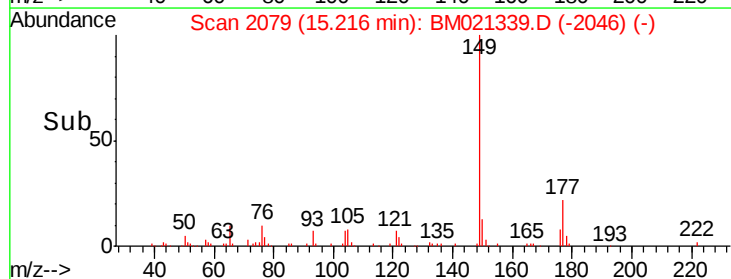
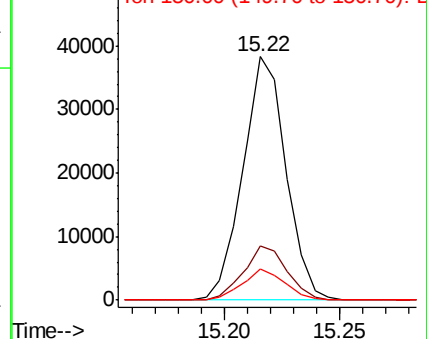
149 100

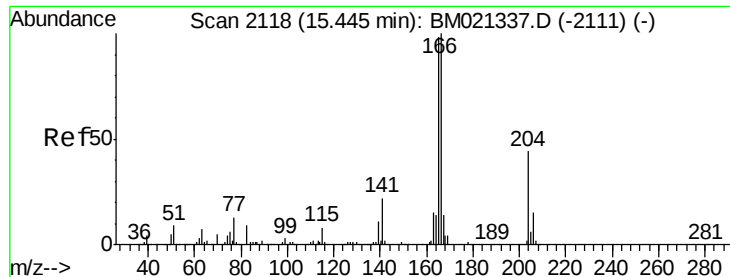
177 22.3 18.2 27.4

150 12.7 9.9 14.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





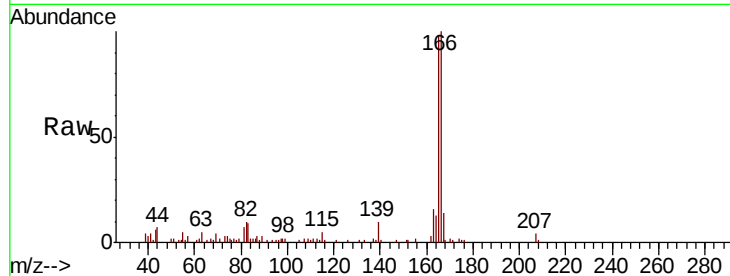
#58
Fluorene
Concen: 1.283 ng/ul
RT: 15.44 min Scan# 2118
Delta R.T. -0.00 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Instrument :
BNA_M
ClientSampleId :
C5BC8

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.4
167	13.6	10.6	16.0

Manual Integrations
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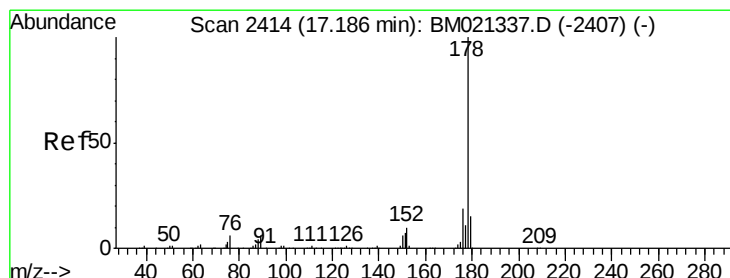
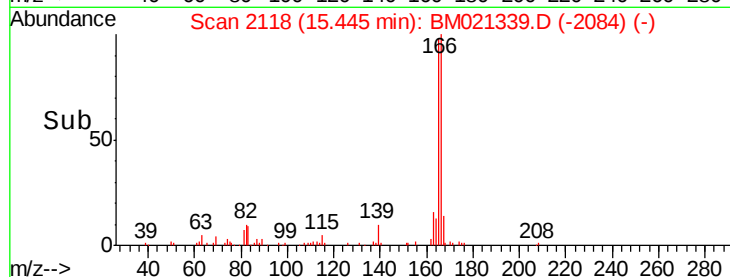
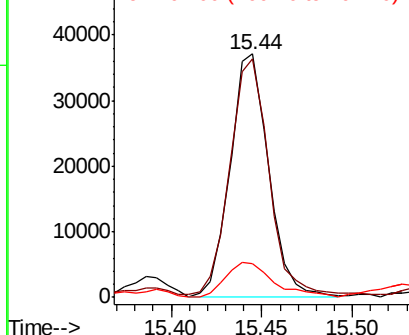


Abundance

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: 27.504 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

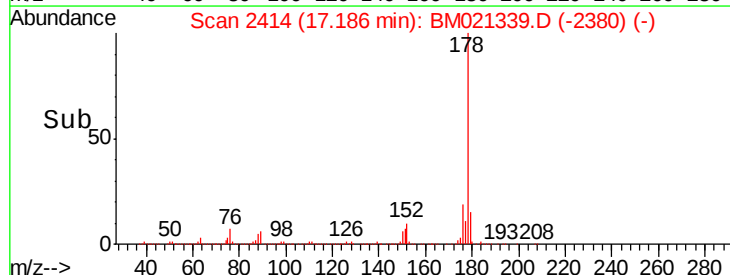
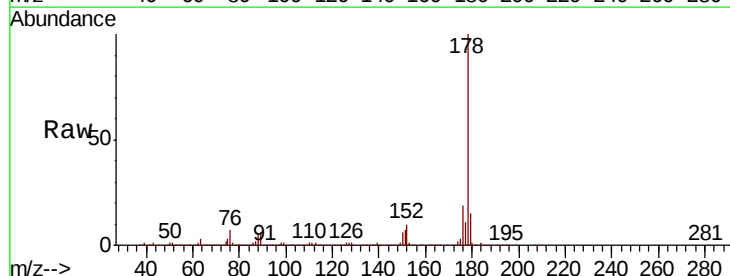
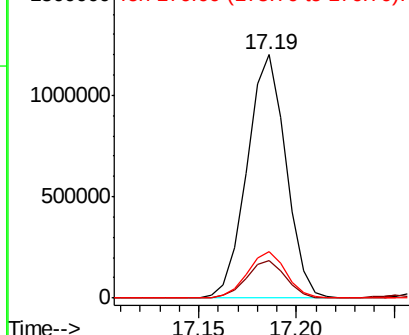
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.8
176	18.8	15.0	22.6

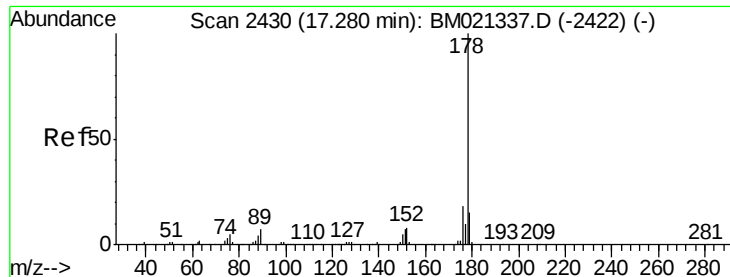
Abundance

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





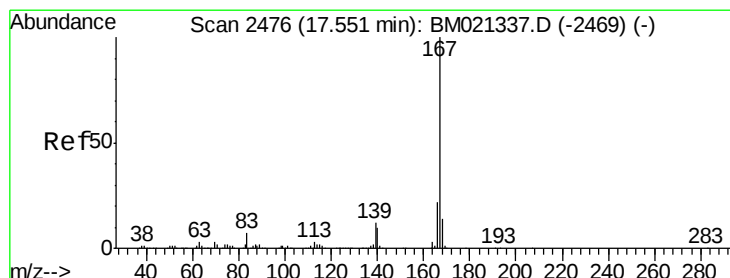
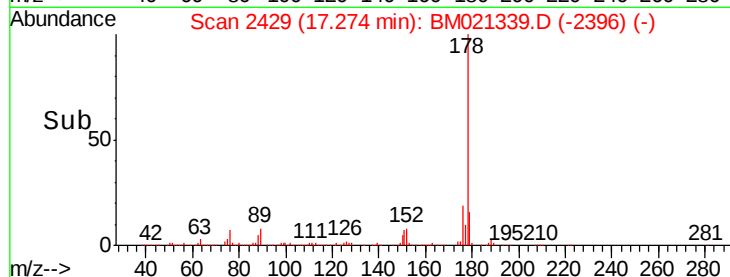
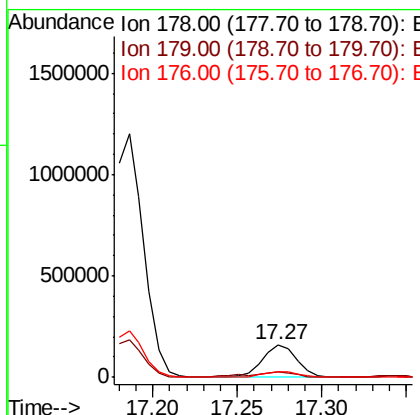
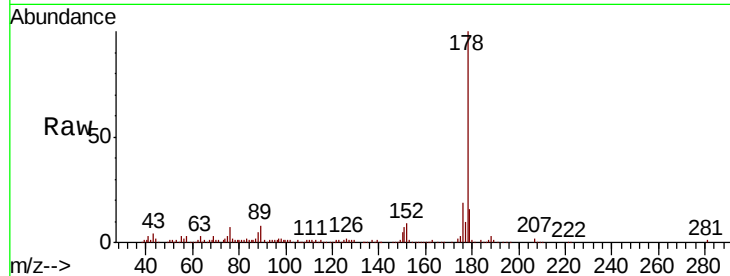
#71
 Anthracene
 Concen: 3.732 ng/ul
 RT: 17.27 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BM021339.D
 Acq: 02 Jul 2019 12:45

Instrument :
 BNA_M
 ClientSampleId :
 C5BC8

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.5	18.7
176	18.5	14.6	21.8

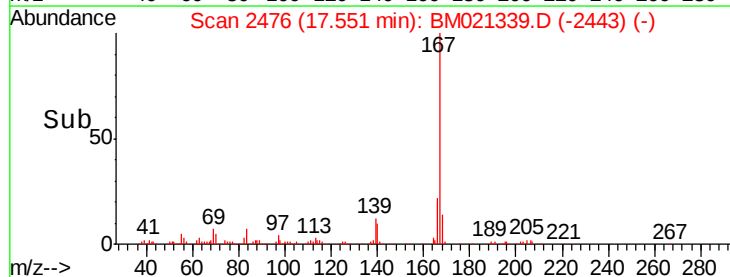
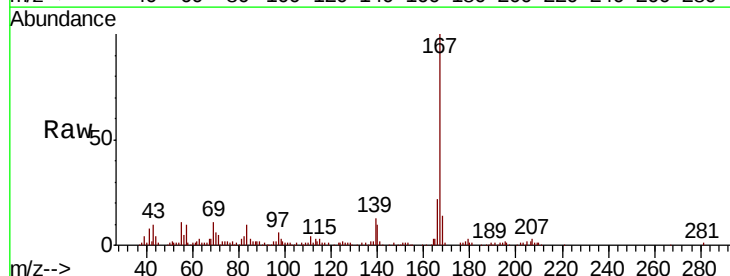
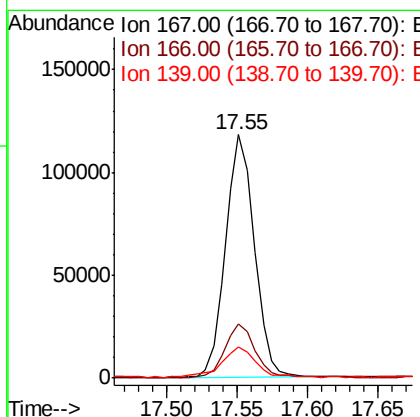
Manual Integrations
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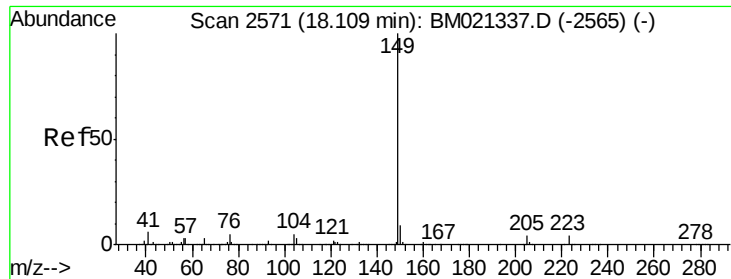
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#74
 Carbazole
 Concen: 3.330 ng/ul
 RT: 17.55 min Scan# 2476
 Delta R.T. -0.01 min
 Lab File: BM021339.D
 Acq: 02 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.2
139	12.9	9.8	14.6





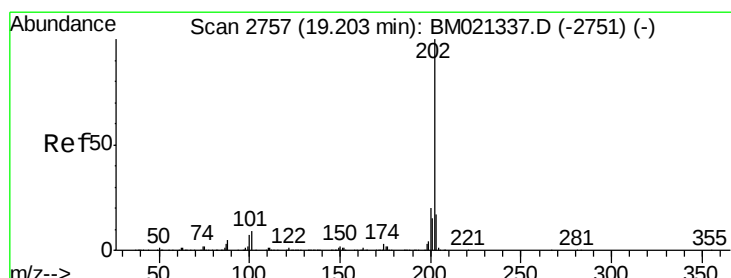
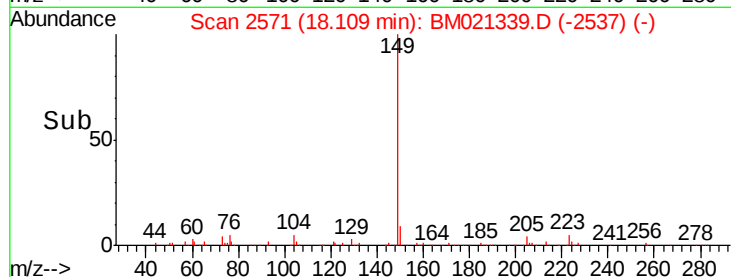
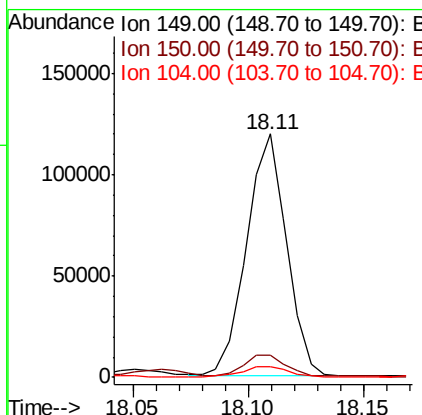
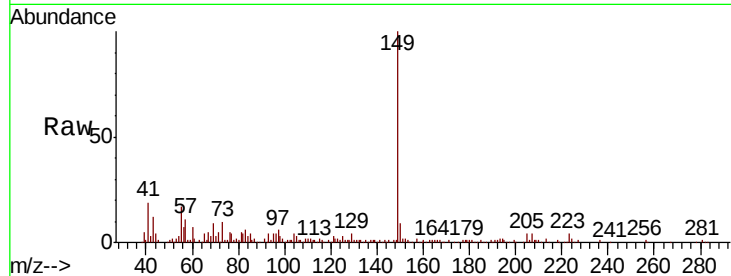
#75
Di-n-butylphthalate
Concen: 2.376 ng/ul
RT: 18.11 min Scan# 2571
Delta R.T. -0.00 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Instrument :
BNA_M
ClientSampleId :
C5BC8

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.8	5.8

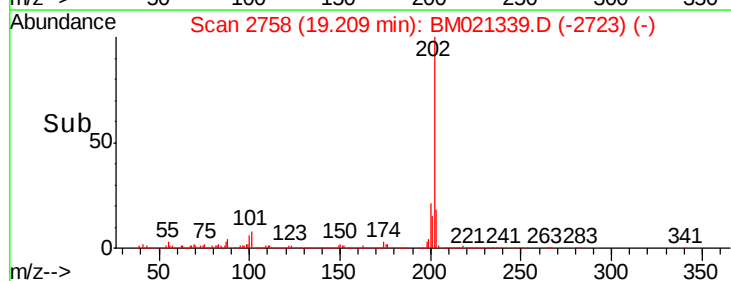
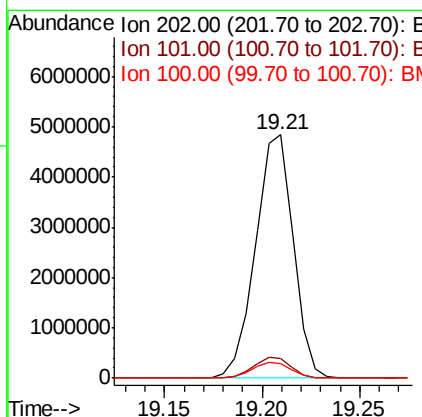
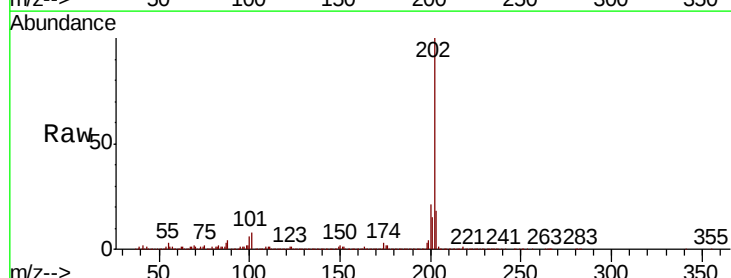
Manual Integrations
APPROVED

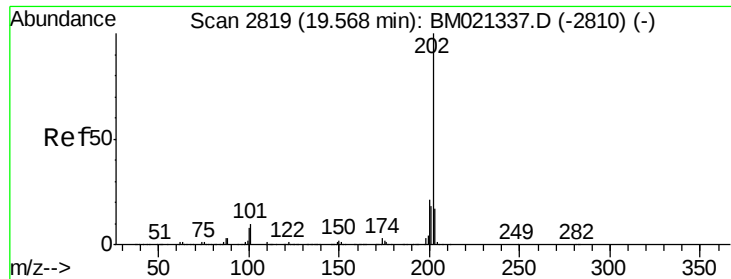
mohammad
7/3/2019 10:50:10 PM



#76
Fluoranthene
Concen: 99.588 ng/ul
RT: 19.21 min Scan# 2758
Delta R.T. 0.01 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.7	10.1
100	6.2	5.5	8.3





#79

Pvrene

Concen: 88.278 ng/ul

RT: 19.57 min Scan# 2820

Delta R.T. 0.01 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Instrument :

BNA_M

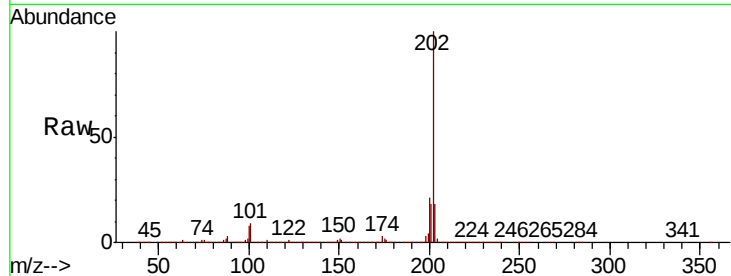
ClientSampleId :

C5BC8

Tot Ion:	202	Resp:	5258500
Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.1	12.1
100	7.8	6.6	10.0

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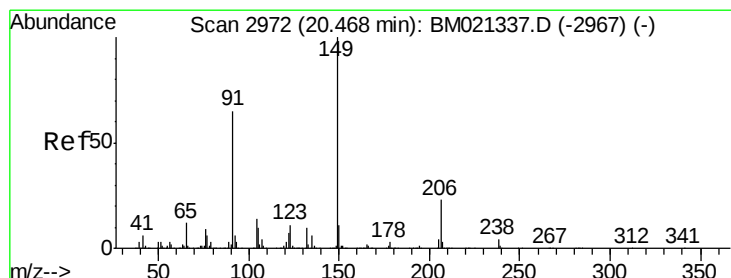
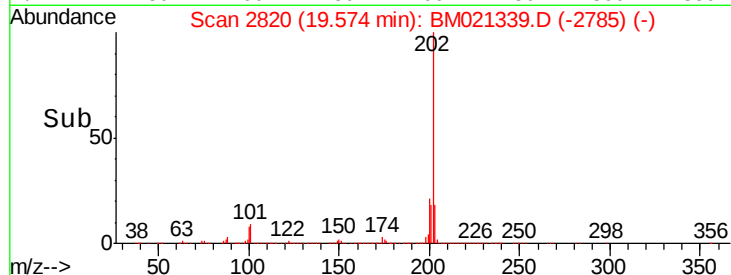
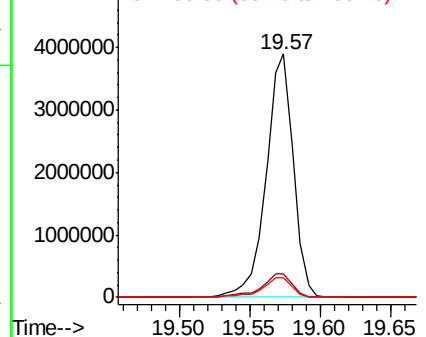


Abundance

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

Butylbenzylphthalate

Concen: 1.016 ng/ul

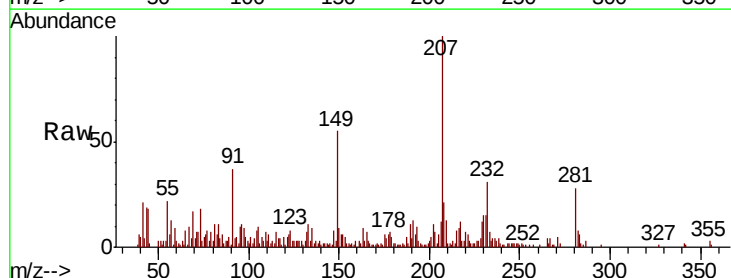
RT: 20.47 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Tgt Ion:	149	Resp:	22407
Ion	Ratio	Lower	Upper
149	100		
91	66.6	53.4	80.2
206	21.3	17.4	26.2

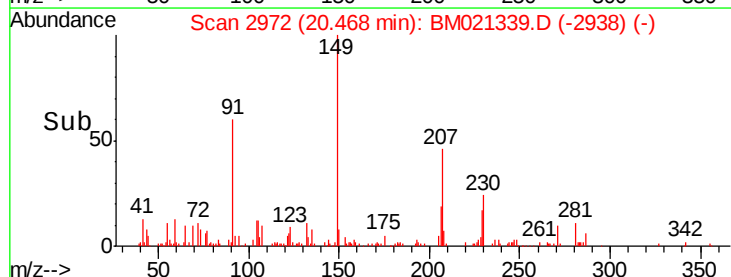
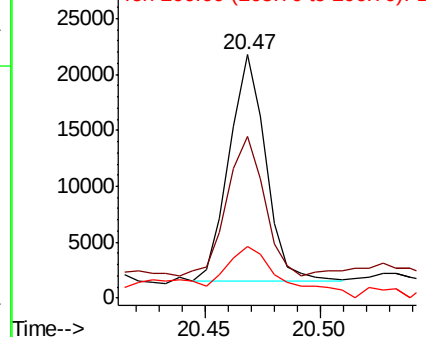


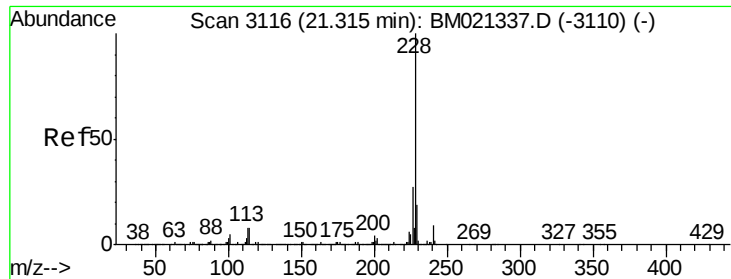
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 50.813 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Instrument :

BNA_M

ClientSampleId :

C5BC8

Tot Ion:228 Resp: 2918910

Ion Ratio Lower Upper

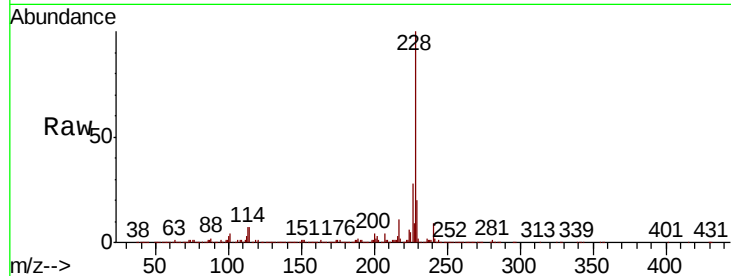
228 100

229 20.3 15.8 23.8

226 28.5 21.4 32.2

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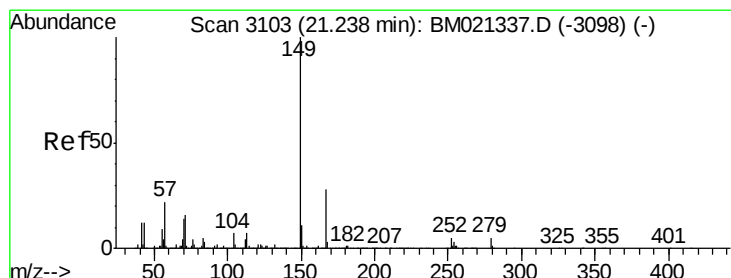
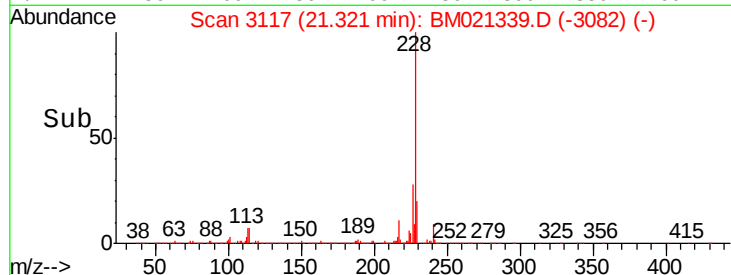
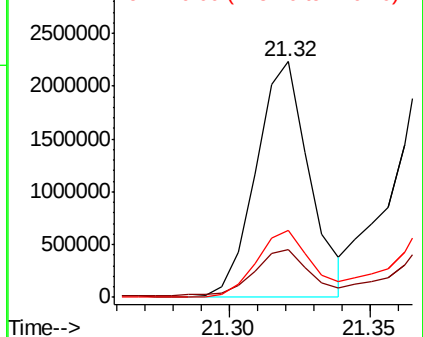


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.549 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

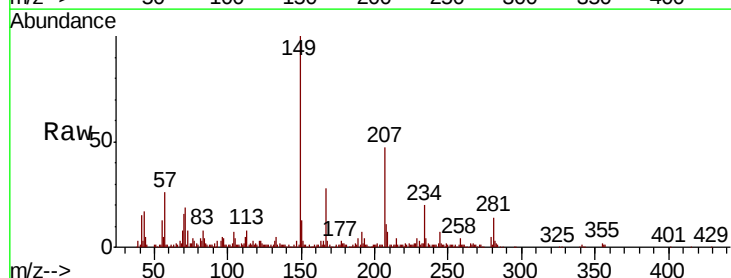
Tgt Ion:149 Resp: 174218

Ion Ratio Lower Upper

149 100

167 28.3 22.3 33.5

279 4.8 3.8 5.6

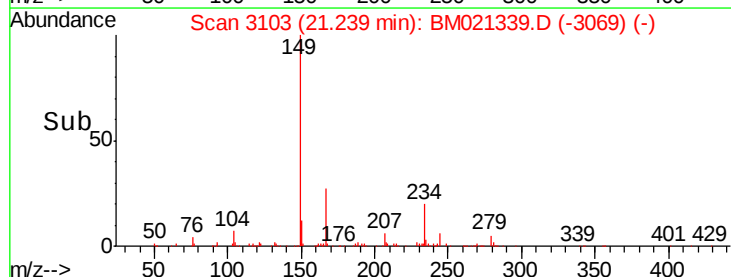
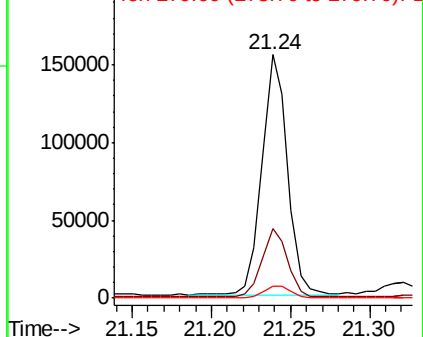


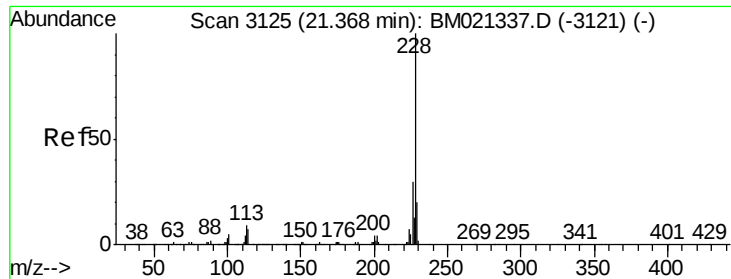
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





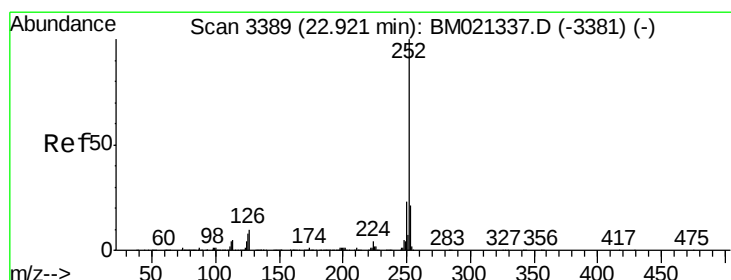
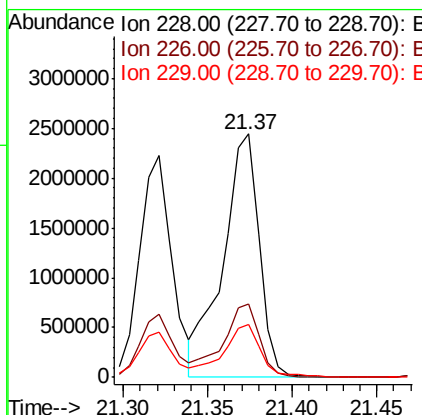
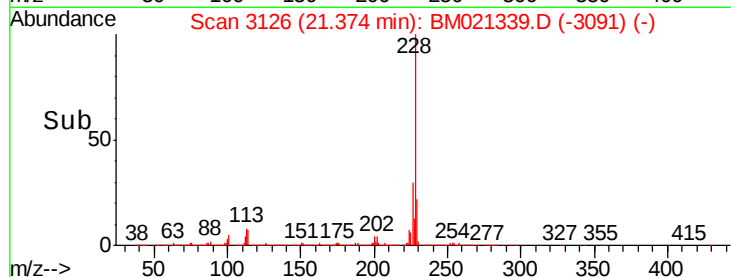
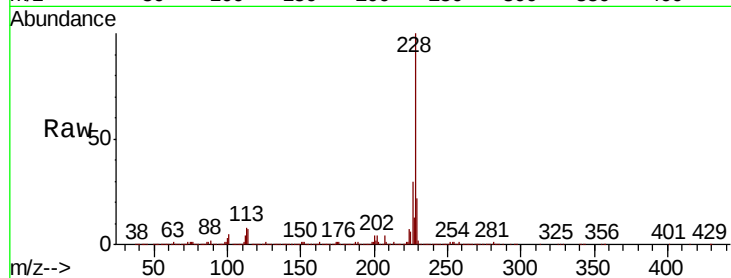
#84
Chrysene
Concen: 67.658 ng/ul
RT: 21.37 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Instrument :
BNA_M
ClientSampleId :
C5BC8

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	21.8	15.4	23.2

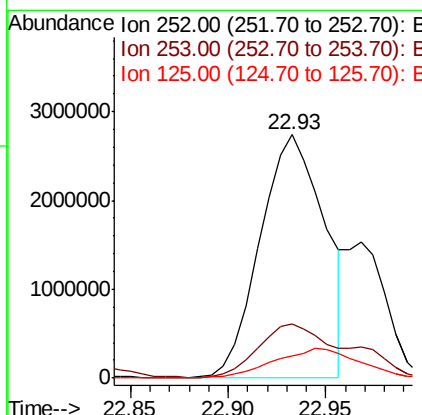
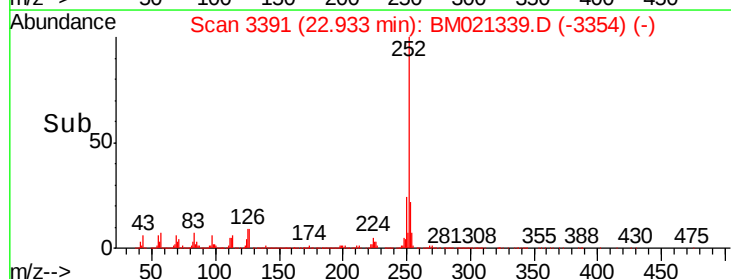
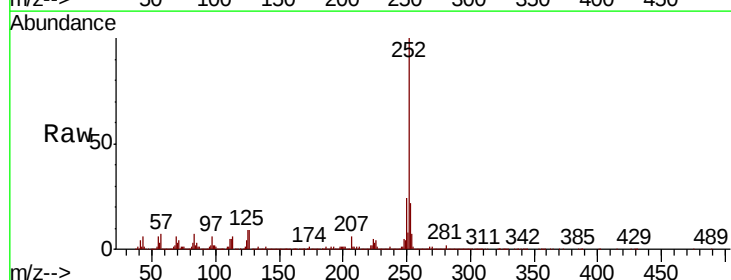
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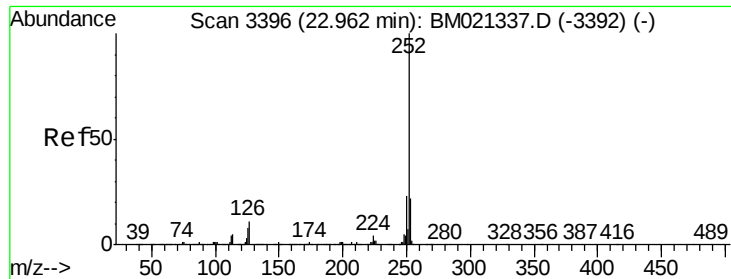
mohammad
7/3/2019 10:50:10 PM



#87
Benzo(b)fluoranthene
Concen: 98.499 ng/ul
RT: 22.93 min Scan# 3391
Delta R.T. 0.02 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	8.9	6.3	9.5





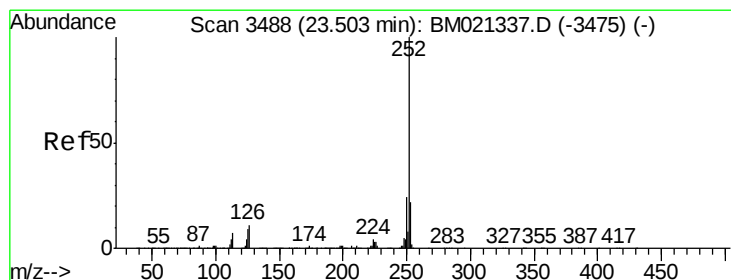
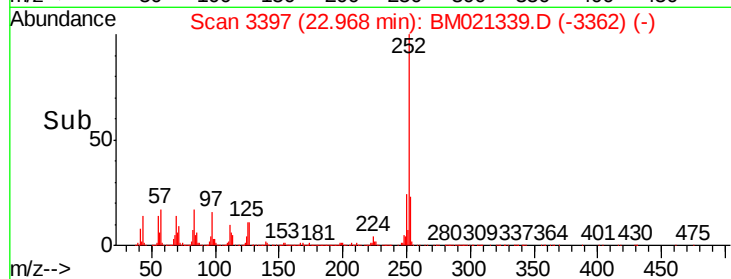
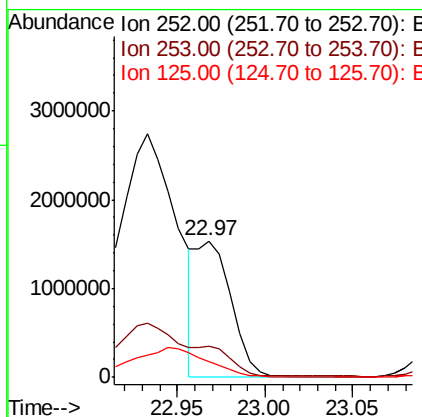
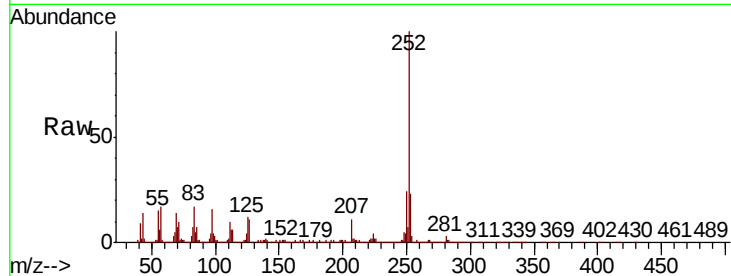
#88
Benzo(k)fluoranthene
Concen: 35.619 ng/ul m
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Instrument :
BNA_M
ClientSampleId :
C5BC8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	11.7	6.6	9.8

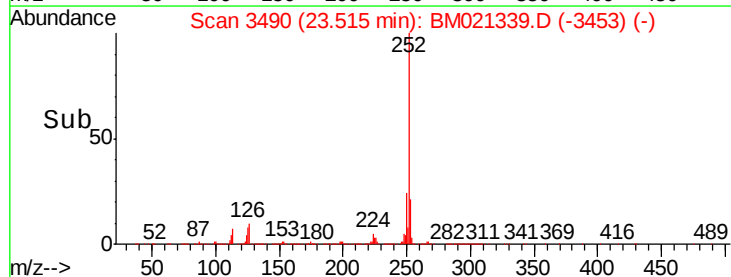
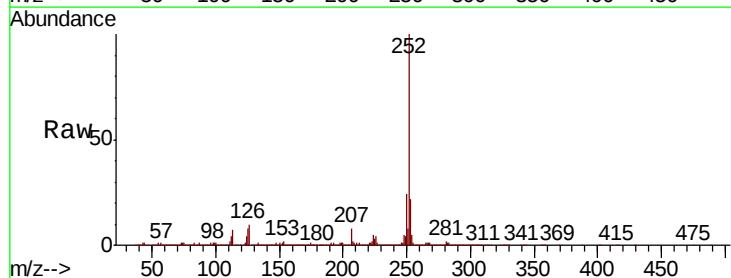
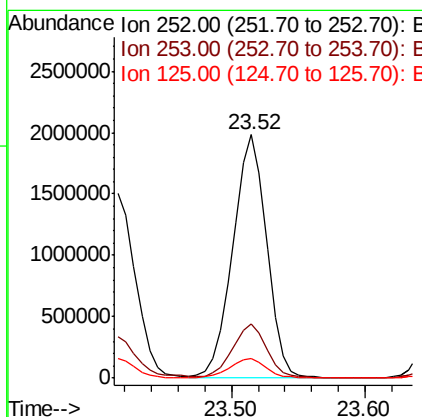
Manual Integrations
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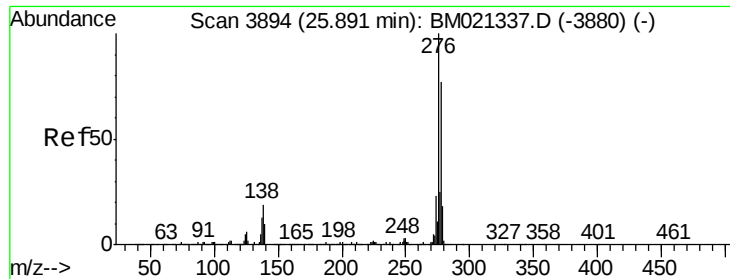
mohammad
7/3/2019 10:50:10 PM



#90
Benzo(a)pyrene
Concen: 57.832 ng/ul
RT: 23.52 min Scan# 3490
Delta R.T. 0.02 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.3	7.2	10.8





#91

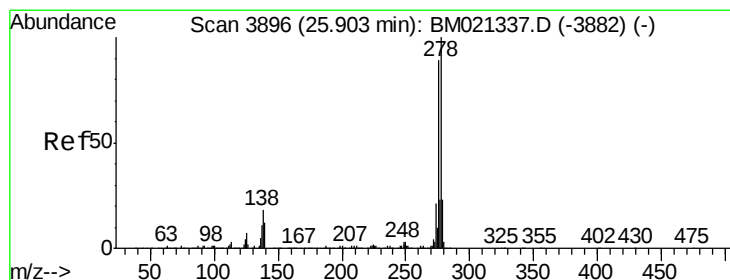
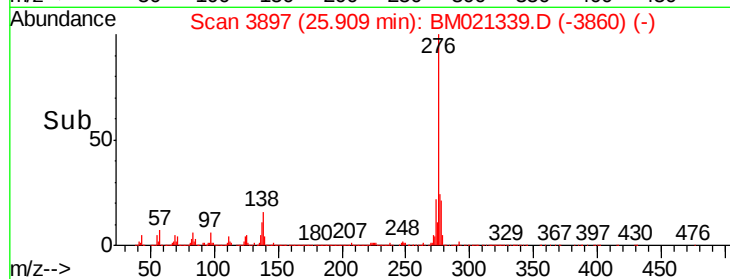
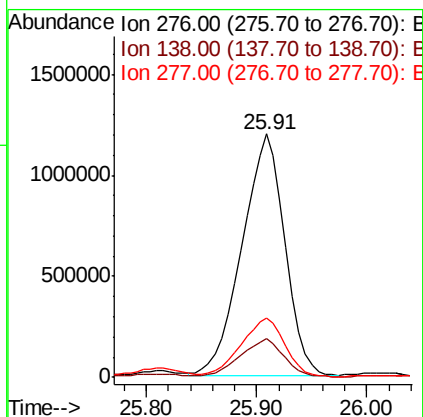
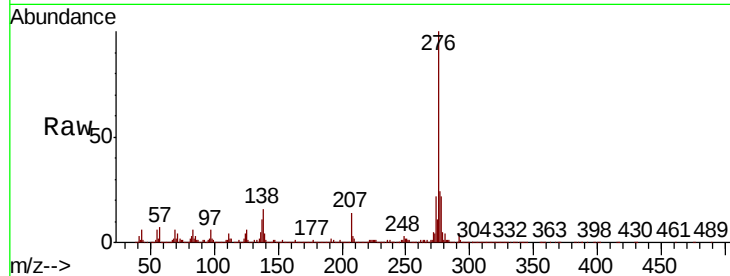
Indeno(1,2,3-cd)pyrene
Concen: 46.034 ng/uL
RT: 25.91 min Scan# 3897
Delta R.T. 0.02 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Instrument :
BNA_M
ClientSampleId :
C5BC8

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.7	15.9	23.9#
277	24.4	20.4	30.6

Manual Integrations
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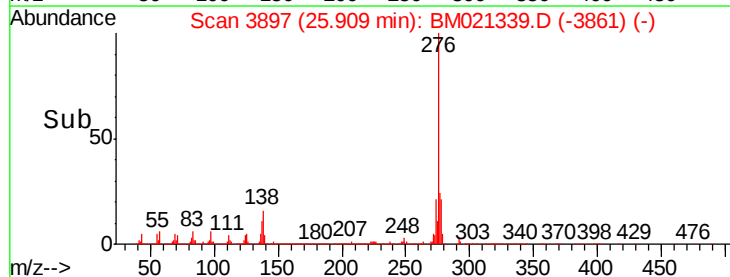
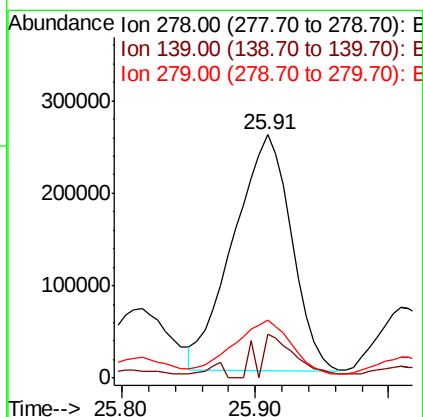
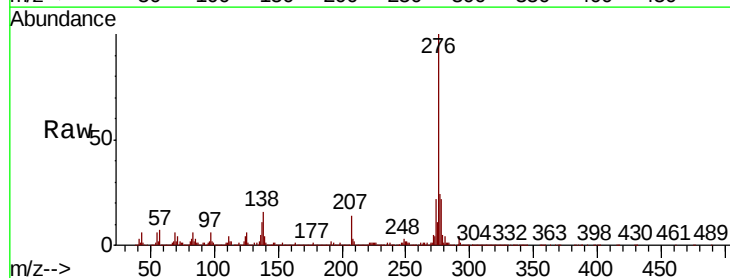
mohammad
7/3/2019 10:50:10 PM

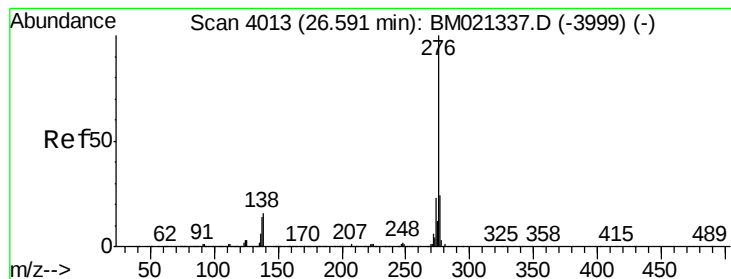


#92

Dibenzo(a,h)anthracene
Concen: 13.050 ng/uL
RT: 25.91 min Scan# 3897
Delta R.T. 0.01 min
Lab File: BM021339.D
Acq: 02 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	10.6	15.8#
279	23.8	19.0	28.4





#93

Benzo(a,h,i)perylene

Concen: 46.764 ng/ul

RT: 26.61 min Scan# 4017

Delta R.T. 0.02 min

Lab File: BM021339.D

Acq: 02 Jul 2019 12:45

Instrument :

BNA_M

ClientSampleId :

C5BC8

Tot Ion: 276 Resp: 2713744

Ion Ratio Lower Upper

276 100

138 16.1 14.6 21.8

277 23.9 18.9 28.3

Manual Integrations

APPROVED

mohammad

7/3/2019 10:50:10 PM

