

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:20:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	167583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	693483	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.10	164	601218	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	876856	20.00	ng/ul	0.02
77) Chrysene-d12	21.07	240	773452	20.00	ng/ul	0.01
85) Perylene-d12	23.19	264	879853	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	11079	2.73	ng/uL	0.00
5) Phenol-d5	6.65	99	235164	15.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	177064	16.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	188546	17.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	195623	16.54	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	95712	18.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	103317	19.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	213913	20.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	123950	9.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	650446	14.62	ng/ul	0.02
46) Acenaphthylene-d8	13.81	160	833409	15.78	ng/ul	0.02
51) 4-Nitrophenol-d4	14.34	143	164793	19.90	ng/ul	0.02
57) Fluorene-d10	15.11	176	642368	16.45	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.29	200	97978m	18.45	ng/ul	0.05
70) Anthracene-d10	16.98	188	891293	21.97	ng/ul	0.03
78) Pyrene-d10	19.26	212	989201	23.77	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.05	264	981170	22.09	ng/ul	0.01

Target Compounds

					Ovalue
4) Benzaldehyde	6.63	77	10253	1.314	ng/ul 92
14) Acetophenone	8.27	105	47738	2.498	ng/ul 93
24) 2,4-Dimethylphenol	9.42	107	26676	1.995	ng/ul# 78
28) Naphthalene	10.27	128	10960992	293.710	ng/ul 98
34) 2-Methylnaphthalene	11.90	142	59864884m	2330.129	ng/ul
40) 1,1'-Biphenyl	12.93	154	3773525	82.889	ng/ul 100
44) Dimethylphthalate	13.58	163	126393	2.759	ng/ul# 95
47) Acenaphthylene	13.84	152	9726639	170.656	ng/ul# 94
49) Acenaphthene	14.17	153	2872693	73.879	ng/ul 98
53) Dibenzofuran	14.52	168	5299368	98.092	ng/ul 97
58) Fluorene	15.17	166	10631338	234.851	ng/ul 97
69) Phenanthrene	16.90	178	39387951m	796.097	ng/ul
71) Anthracene	17.00	178	3034789	60.244	ng/ul 99
76) Fluoranthene	18.94	202	15102590m	266.279	ng/ul
79) Pyrene	19.30	202	20176010m	360.266	ng/ul
82) Benzo(a)anthracene	21.06	228	8481478	161.028	ng/ul# 92
84) Chrysene	21.11	228	8427640	164.254	ng/ul 95
87) Benzo(b)fluoranthene	22.58	252	4359827m	78.369	ng/ul
88) Benzo(k)fluoranthene	22.59	252	1764401m	32.255	ng/ul
90) Benzo(a)pyrene	23.10	252	1501765	30.074	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.26	276	1575360	26.032	ng/ul 98
92) Dibenz(a,h)anthracene	25.26	278	668381	13.091	ng/ul 97
93) Benzo(g,h,i)perylene	25.89	276	1224501	24.326	ng/ul 97

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\
Data File : BN009448.D
Acq On : 28 Jan 2020 13:25
Operator : CG/JU
Sample : L1193-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASP4

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:20:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

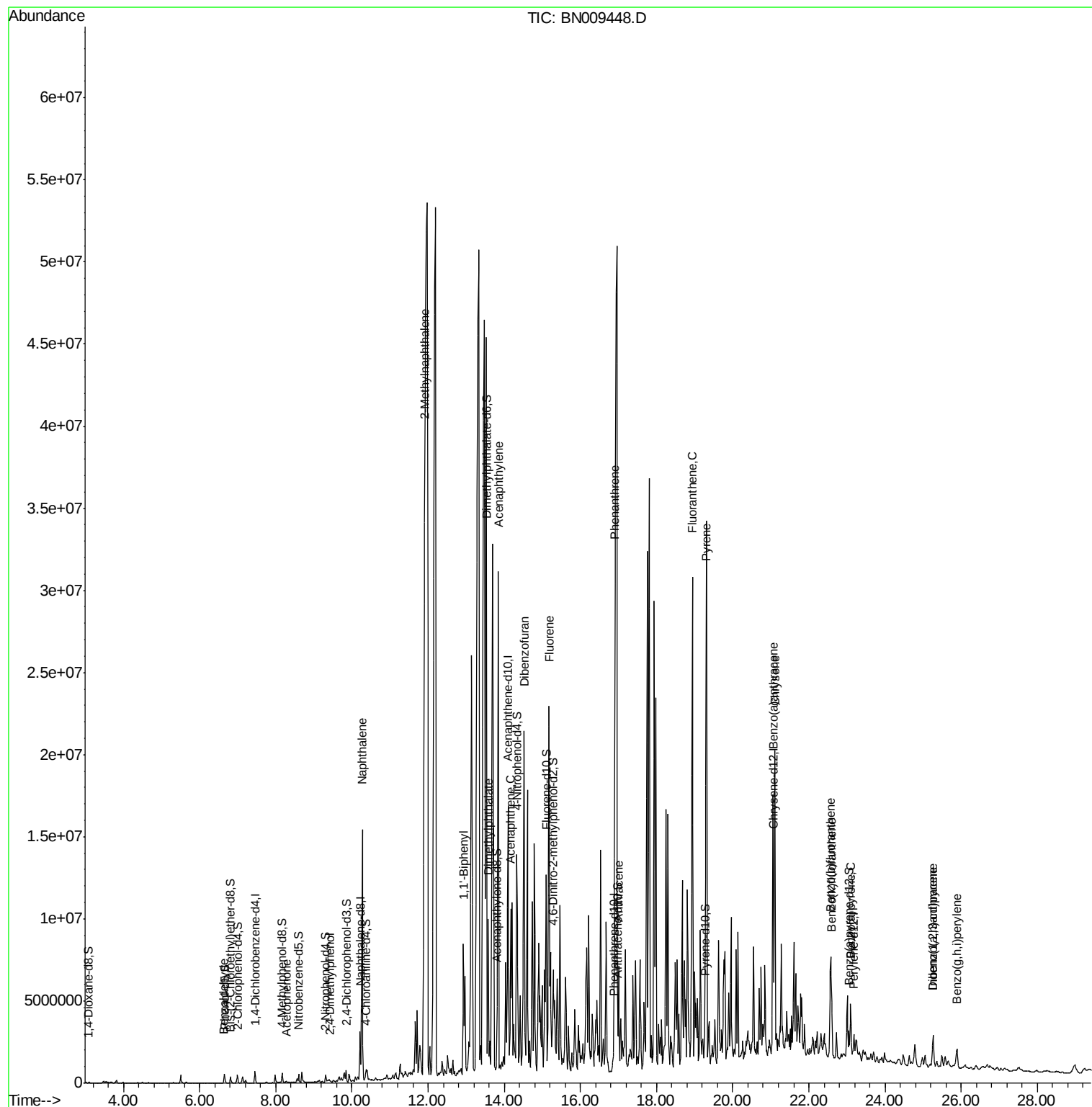
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\
Data File : BN009448.D
Acq On : 28 Jan 2020 13:25
Operator : CG/JU
Sample : L1193-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

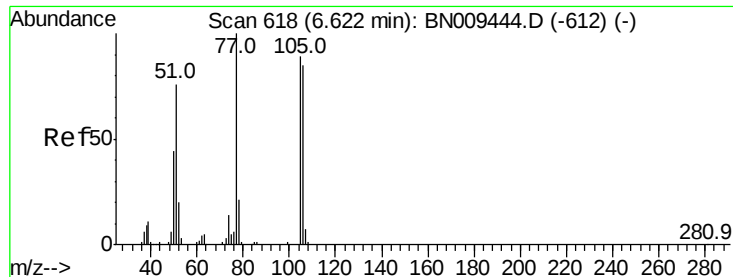
Instrument :
BNA_N
ClientSampleId :
GASP4

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:20:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.314 ng/ul

RT: 6.63 min Scan# 620

Delta R.T. 0.01 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

Instrument :

BNA_N

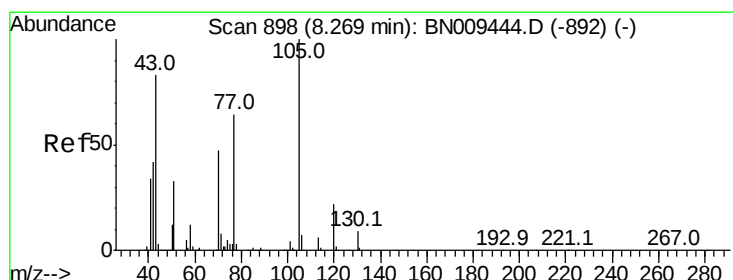
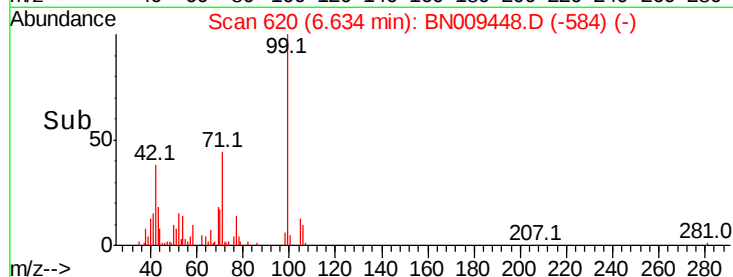
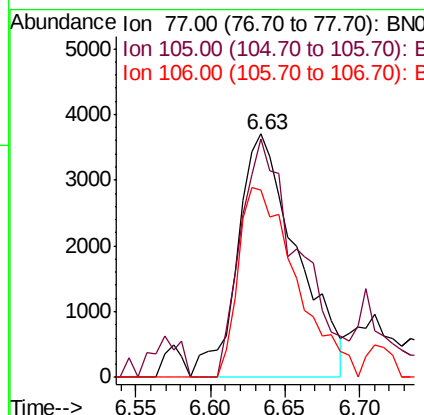
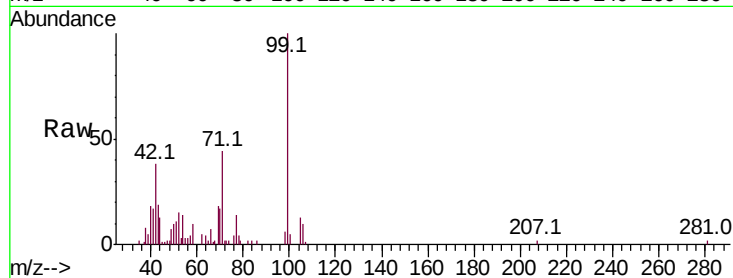
ClientSampled :

GASP4

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.1	70.2	105.4
106	77.1	65.6	98.4

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM



#14

Acetophenone

Concen: 2.498 ng/ul

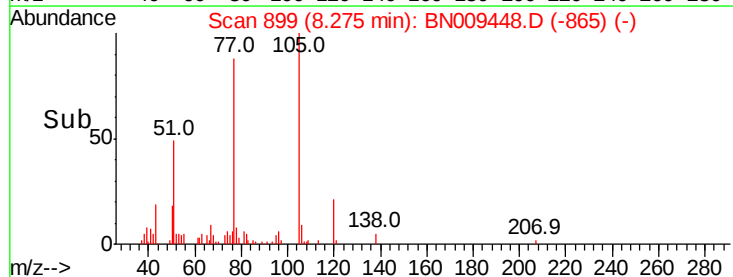
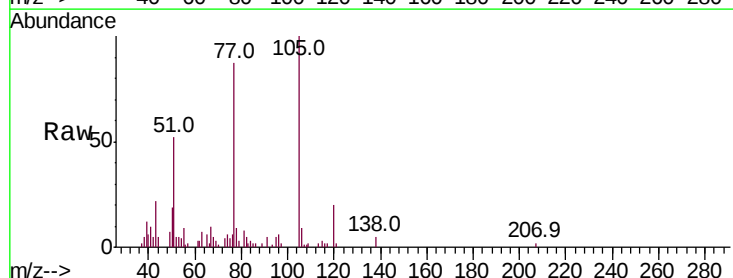
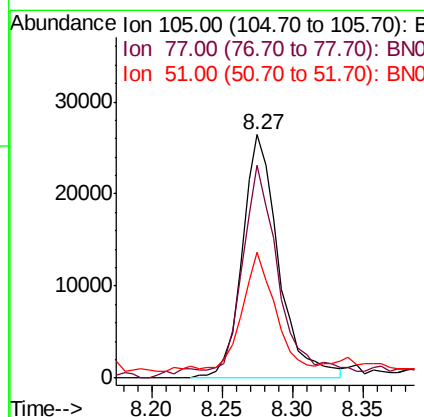
RT: 8.27 min Scan# 899

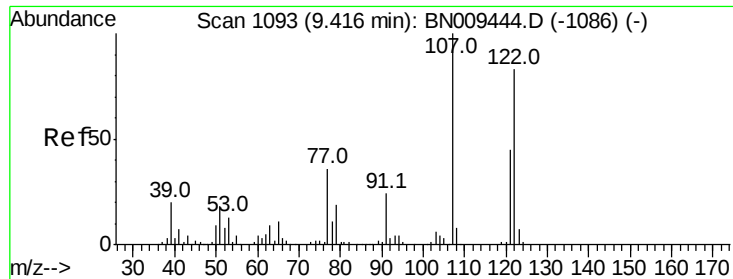
Delta R.T. -0.00 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

Tgt Ion	Ratio	Lower	Upper
105	100		
77	87.3	66.4	99.6
51	52.0	35.6	53.4





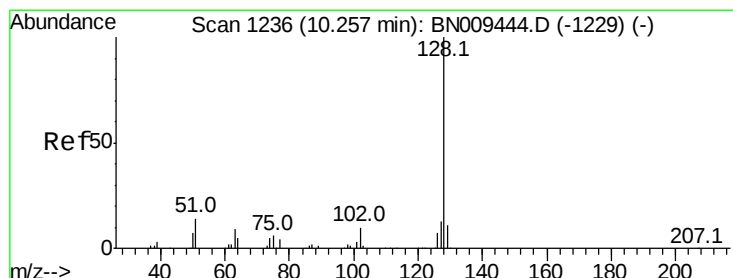
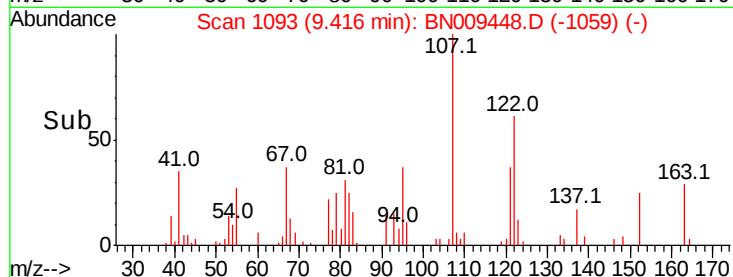
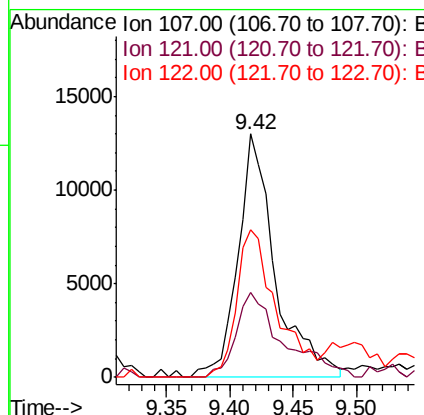
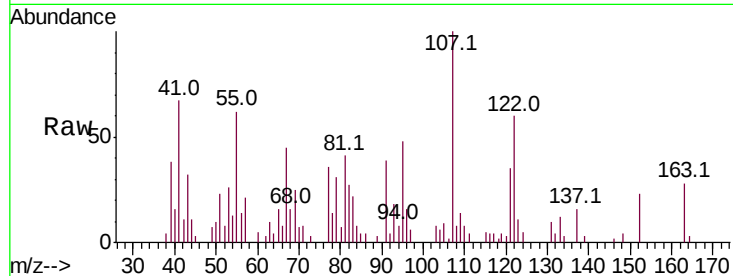
#24
 2,4-Dimethylphenol
 Concen: 1.995 ng/ul
 RT: 9.42 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Tot Ion	Ratio	Lower	Upper
107	100		
121	34.9	39.0	58.4#
122	60.5	64.1	96.1#

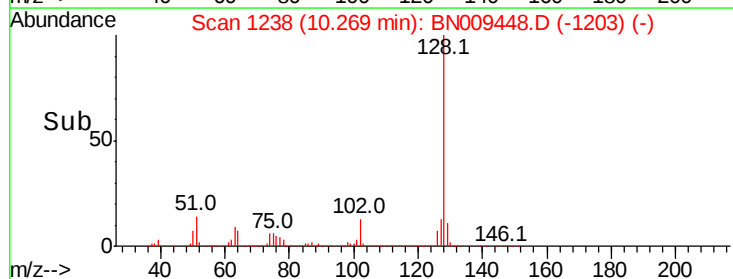
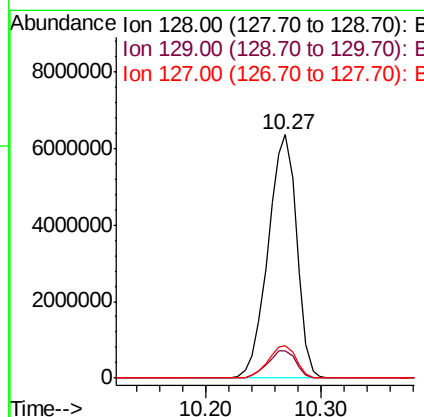
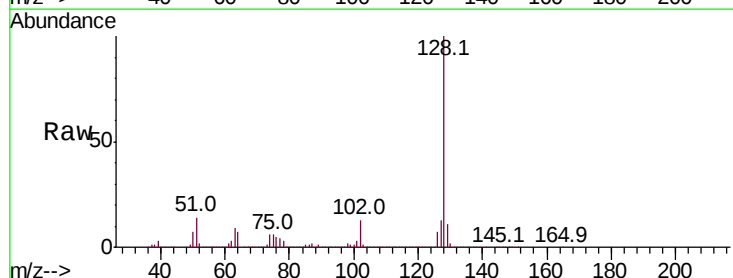
Manual Integrations
 APPROVED

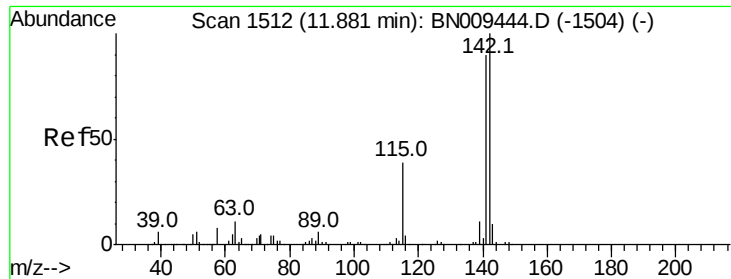
mohammad
 1/30/2020 8:03:31 AM



#28
 Naphthalene
 Concen: 293.710 ng/ul
 RT: 10.27 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.1	12.1
127	13.5	11.0	16.6





#34

2-Methylnaphthalene

Concen: 2330.129 ng/ul

RT: 11.90 min Scan# 1516

Delta R.T. 0.02 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

Instrument :

BNA_N

ClientSampleId :

GASP4

Tot Ion:142 Resp:59864884

Ion Ratio Lower Upper

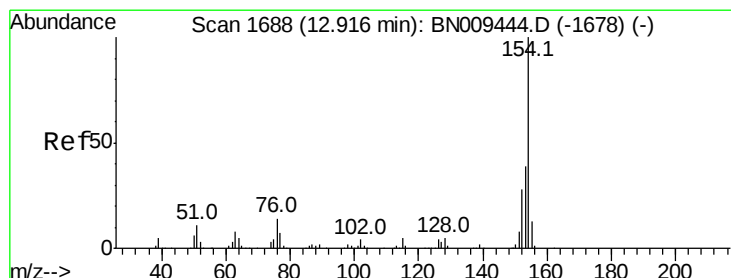
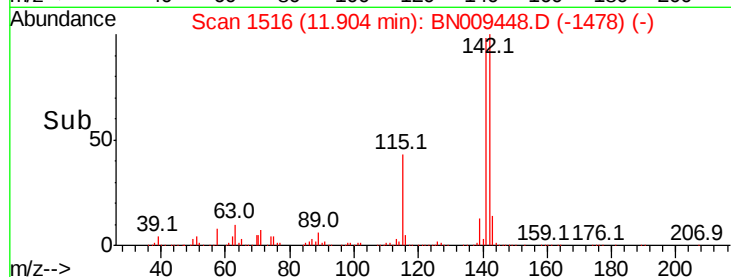
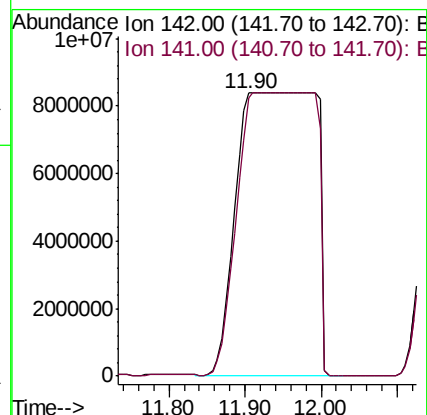
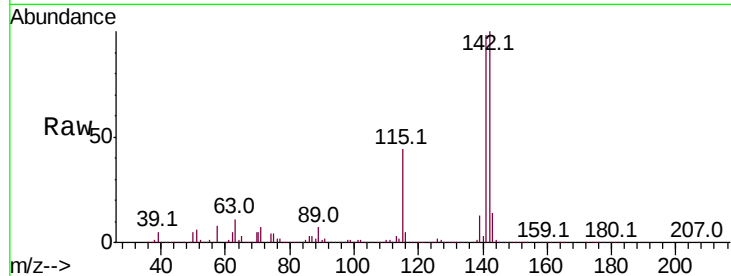
142 100

141 98.2 69.3 103.9

Manual Integrations
APPROVED

mohammad

1/30/2020 8:03:31 AM



#40

1,1'-Biphenyl

Concen: 82.889 ng/ul

RT: 12.93 min Scan# 1690

Delta R.T. 0.01 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

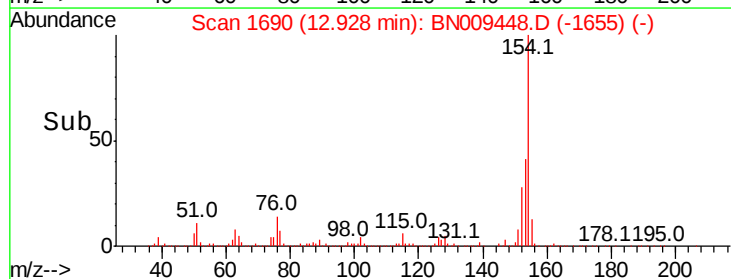
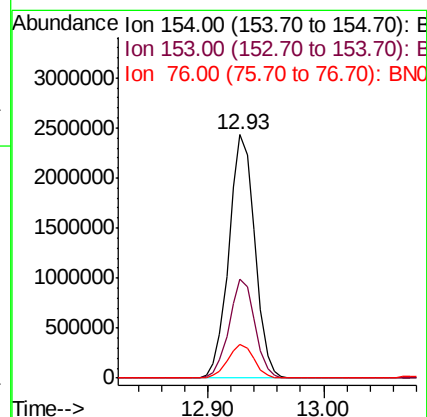
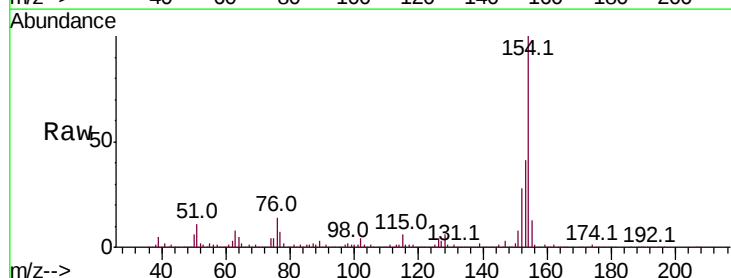
Tgt Ion:154 Resp: 3773525

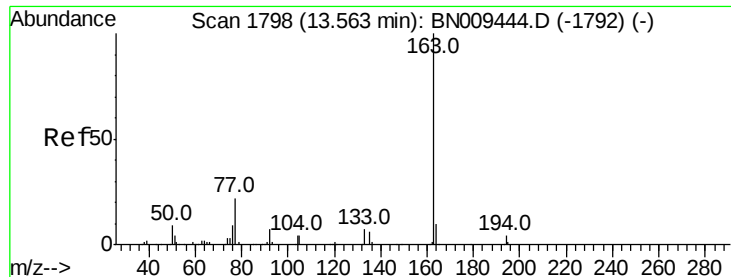
Ion Ratio Lower Upper

154 100

153 40.9 32.6 49.0

76 13.7 11.4 17.0





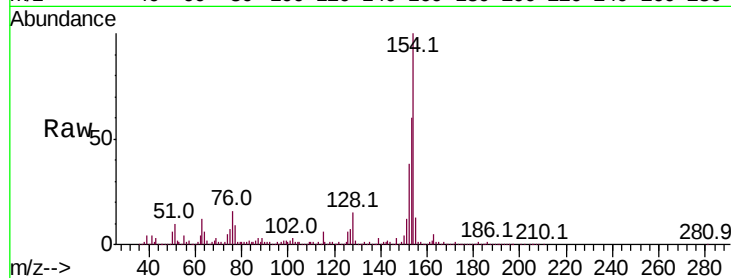
#44
Dimethylphthalate
Concen: 2.759 ng/ul
RT: 13.58 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BN009448.D
Acq: 28 Jan 2020 13:25

Instrument :
BNA_N
ClientSampleId :
GASP4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	126393		
194	4.9	3.1	4.7#	
164	12.3	8.3	12.5	

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM

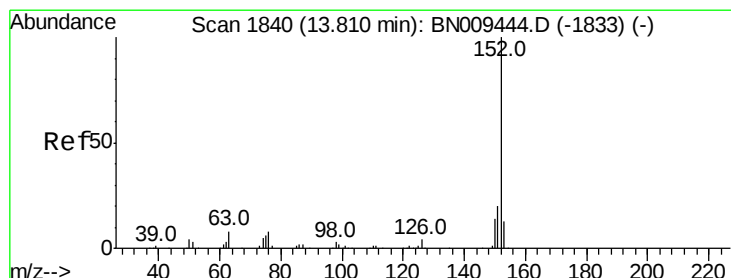
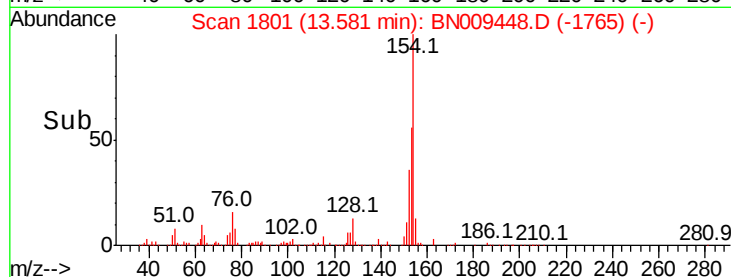
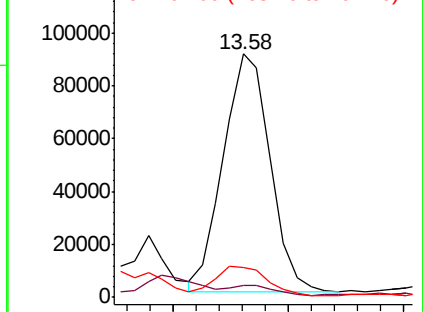


Abundance

Ion 163.00 (162.70 to 163.70): E

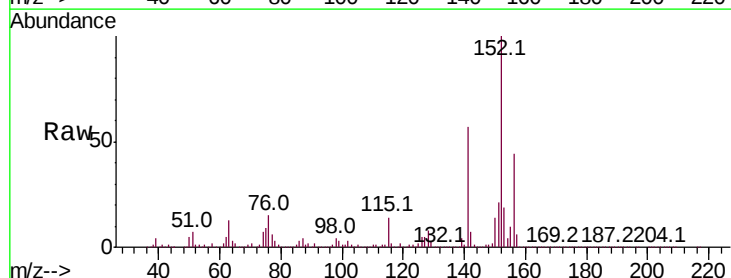
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 170.656 ng/ul
RT: 13.84 min Scan# 1845
Delta R.T. 0.03 min
Lab File: BN009448.D
Acq: 28 Jan 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	9726639		
151	21.2	16.2	24.4	
153	18.8	10.8	16.2#	

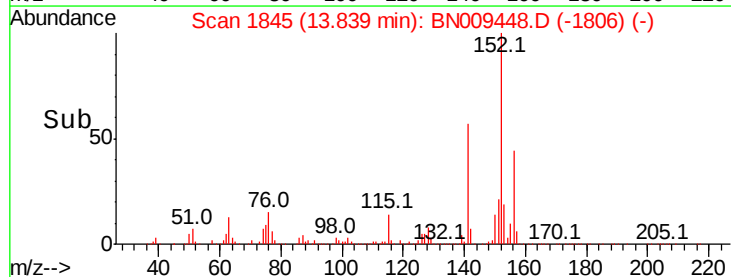
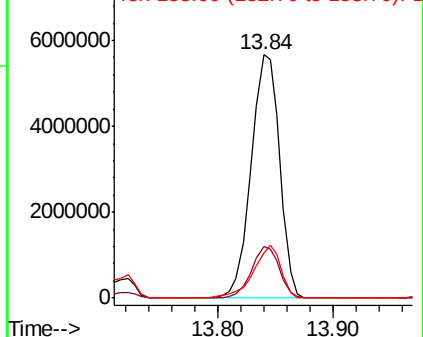


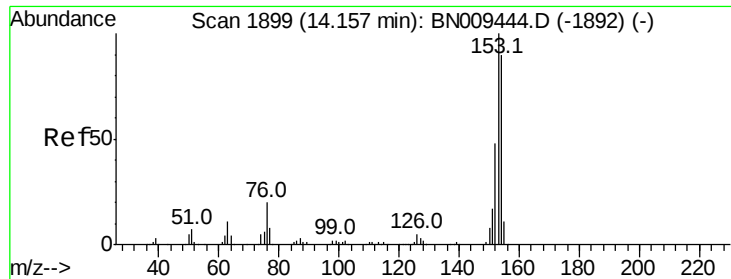
Abundance

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: 73.879 ng/ul

RT: 14.17 min Scan# 1902

Delta R.T. 0.01 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

Instrument :

BNA_N

ClientSampled :

GASP4

Tot Ion:153 Resp: 2872693

Ion Ratio Lower Upper

153 100

152 47.6 36.3 54.5

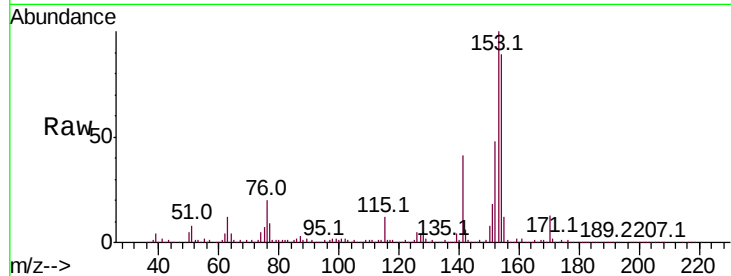
154 88.6 71.4 107.0

Manual Integrations

APPROVED

mohammad

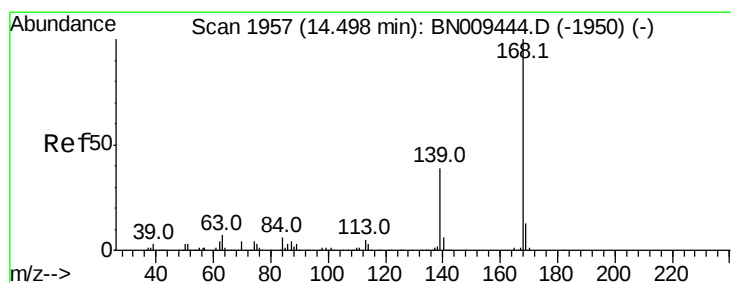
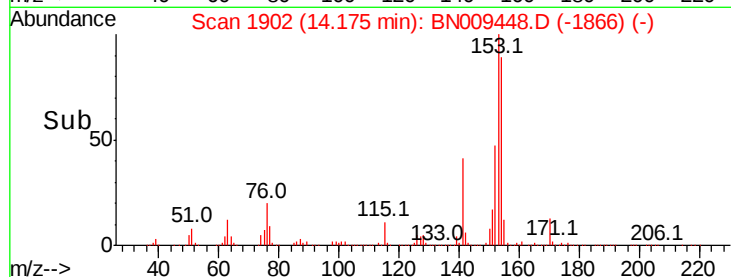
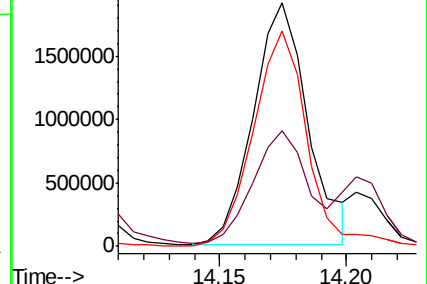
1/30/2020 8:03:31 AM



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: 98.092 ng/ul

RT: 14.52 min Scan# 1960

Delta R.T. 0.02 min

Lab File: BN009448.D

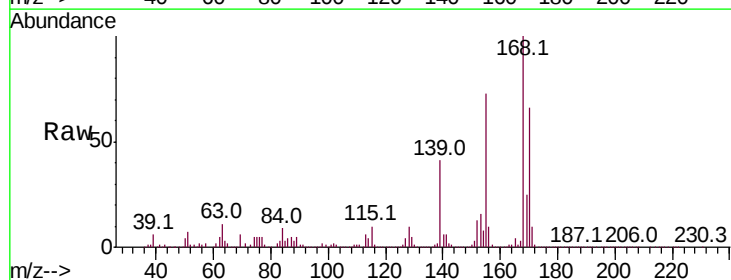
Acq: 28 Jan 2020 13:25

Tgt Ion:168 Resp: 5299368

Ion Ratio Lower Upper

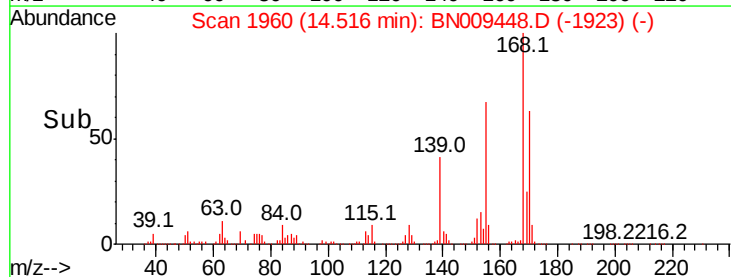
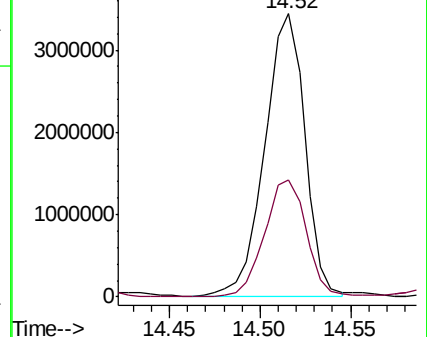
168 100

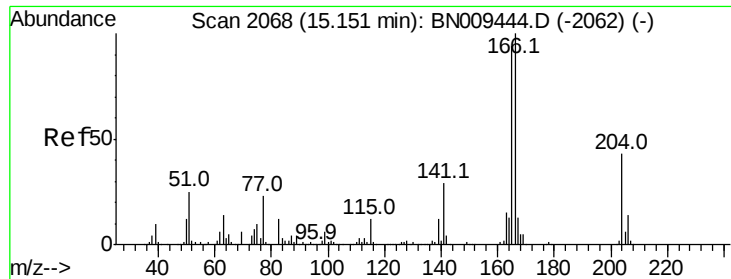
139 41.4 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58
Fluorene
 Concen: 234.851 ng/ul
 RT: 15.17 min Scan# 2072
 Delta R.T. 0.02 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

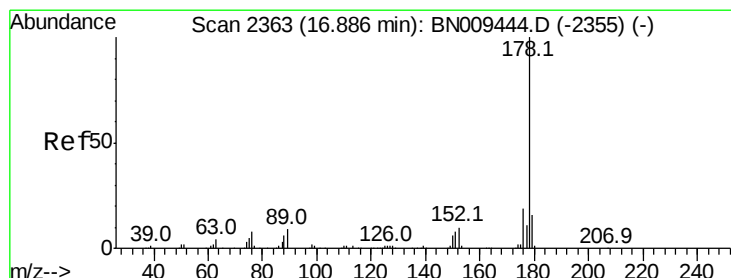
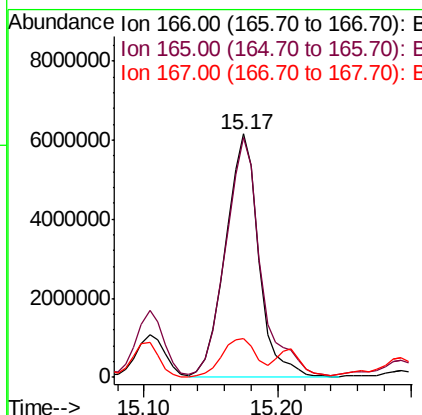
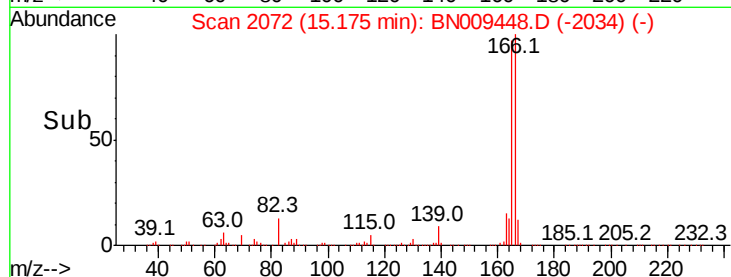
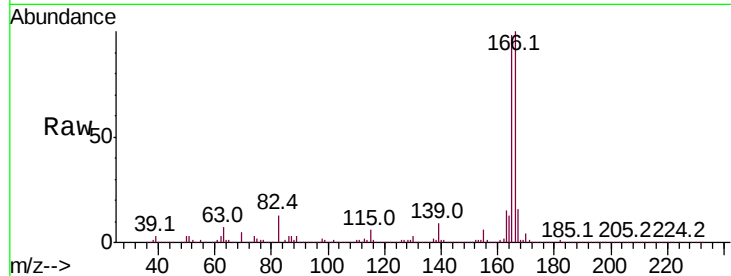
Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Tot Ion:166 Resp:10631338

Ion	Ratio	Lower	Upper
166	100		
165	98.2	76.5	114.7
167	15.7	10.9	16.3

Manual Integrations
 APPROVED

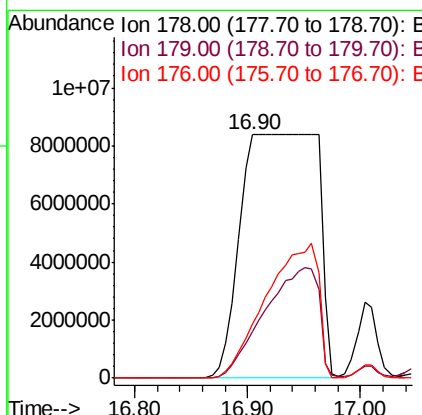
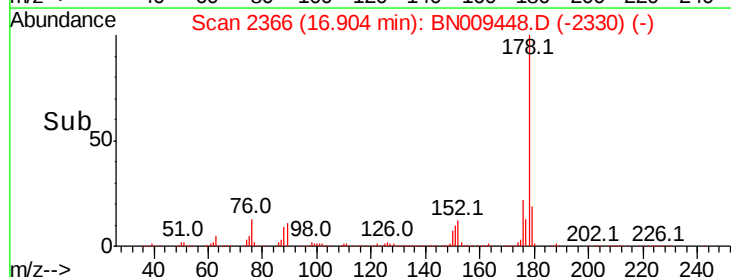
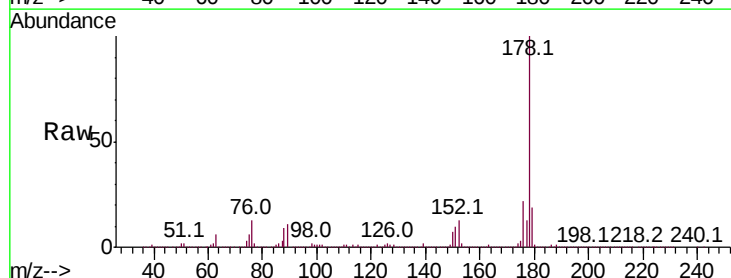
mohammad
 1/30/2020 8:03:31 AM

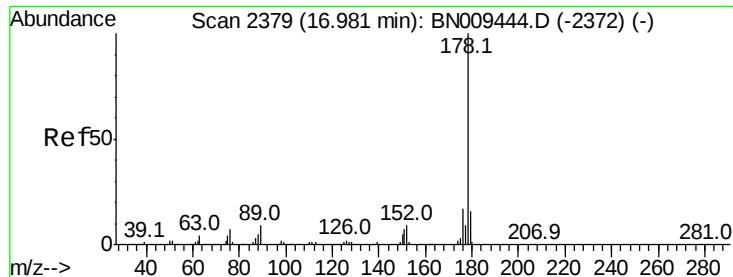


#69
Phenanthrene
 Concen: 796.097 ng/ul m
 RT: 16.90 min Scan# 2366
 Delta R.T. 0.01 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

Tgt Ion:178 Resp:39387951

Ion	Ratio	Lower	Upper
178	100		
179	19.0	13.3	19.9
176	22.3	15.5	23.3





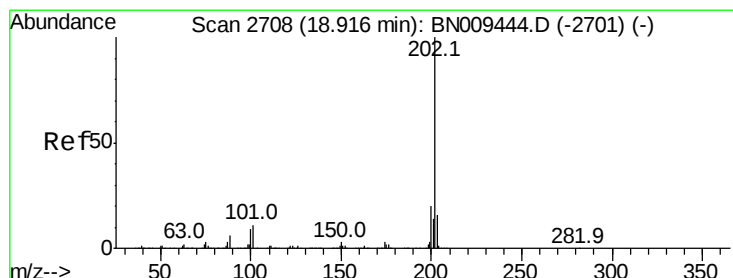
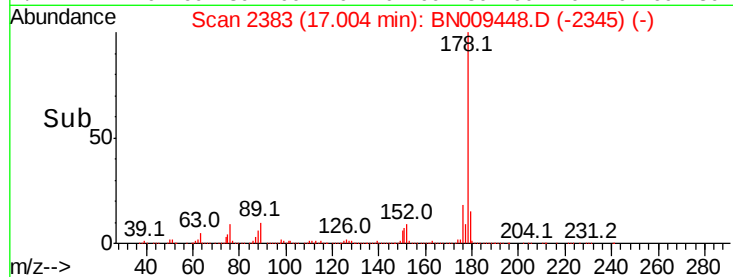
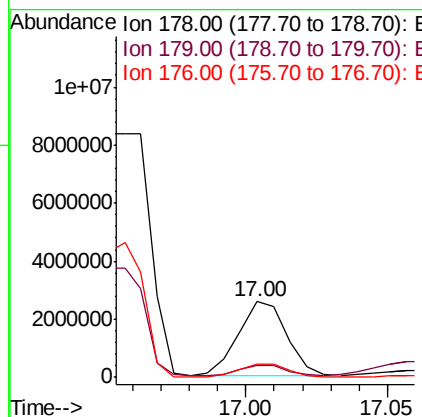
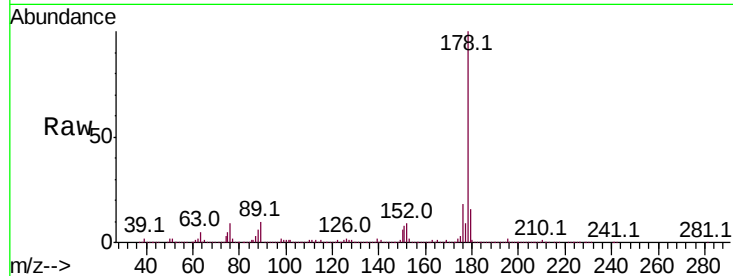
#71
 Anthracene
 Concen: 60.244 ng/ul
 RT: 17.00 min Scan# 2383
 Delta R.T. 0.02 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Tot Ion:178 Resp: 3034789
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.8 17.6
 176 18.1 14.6 22.0

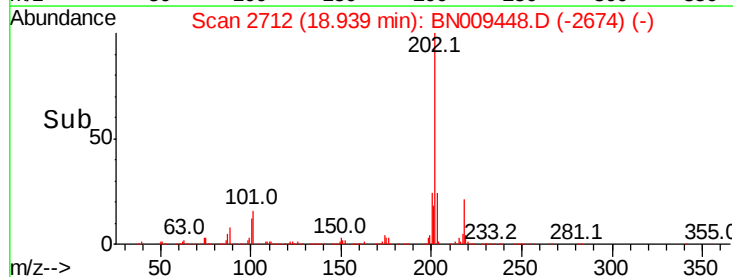
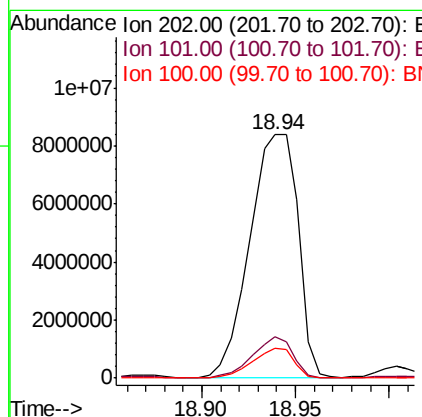
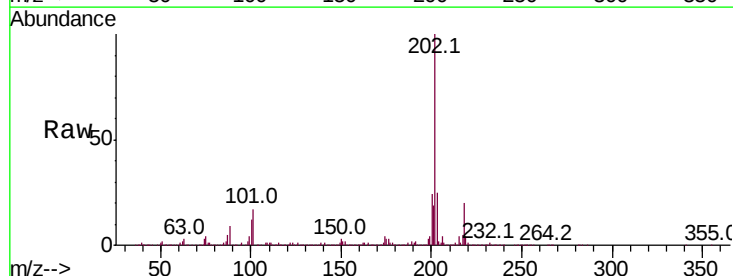
Manual Integrations
 APPROVED

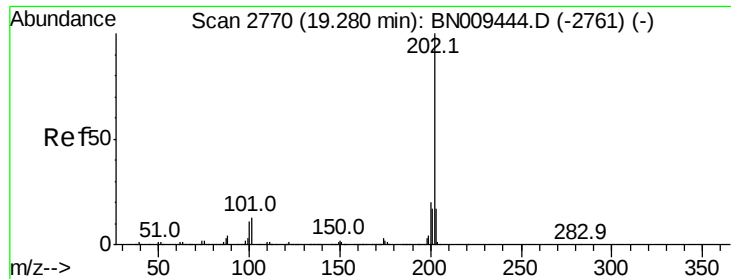
mohammad
 1/30/2020 8:03:31 AM



#76
 Fluoranthene
 Concen: 266.279 ng/ul m
 RT: 18.94 min Scan# 2712
 Delta R.T. 0.02 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

Tgt Ion:202 Resp:15102590
 Ion Ratio Lower Upper
 202 100
 101 17.0 9.7 14.5#
 100 12.3 7.1 10.7#





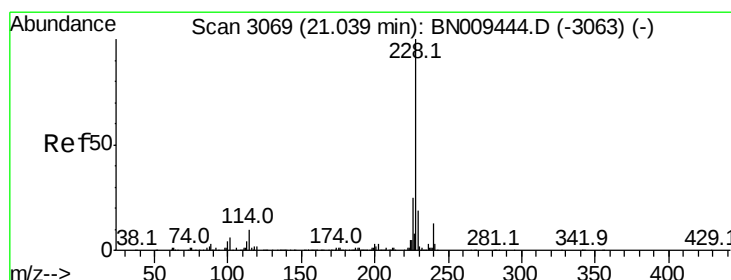
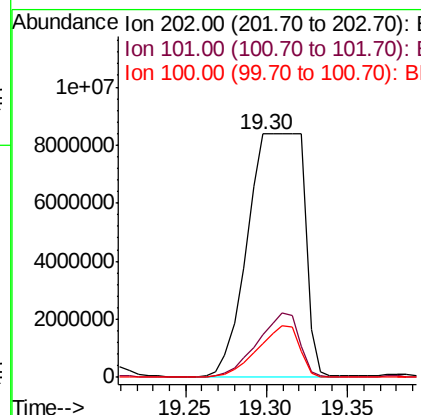
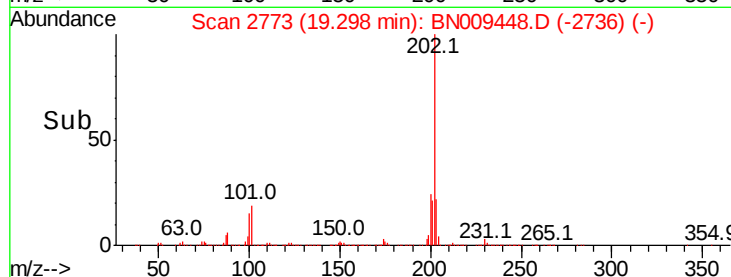
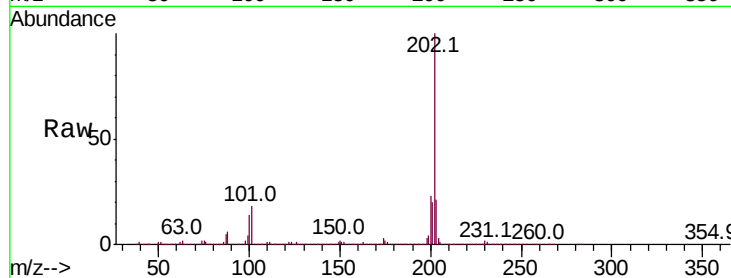
#79
Pvrene
Concen: 360.266 ng/ul m
RT: 19.30 min Scan# 2773
Delta R.T. 0.02 min
Lab File: BN009448.D
Acq: 28 Jan 2020 13:25

Instrument :
BNA_N
ClientSampleId :
GASP4

Tot Ion:202 Resp:20176010
Ion Ratio Lower Upper
202 100
101 17.5 10.9 16.3#
100 13.9 8.6 12.8#

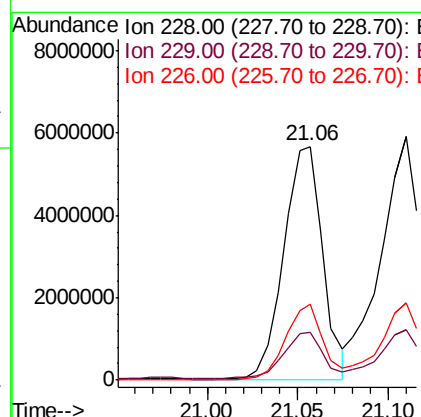
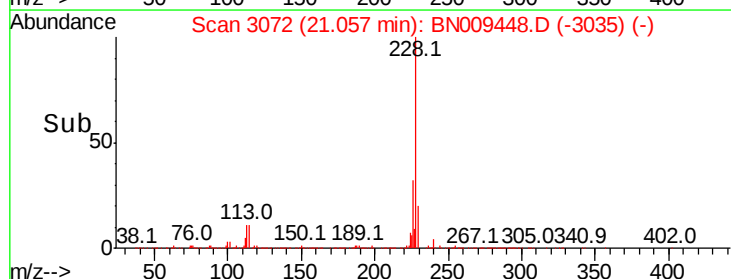
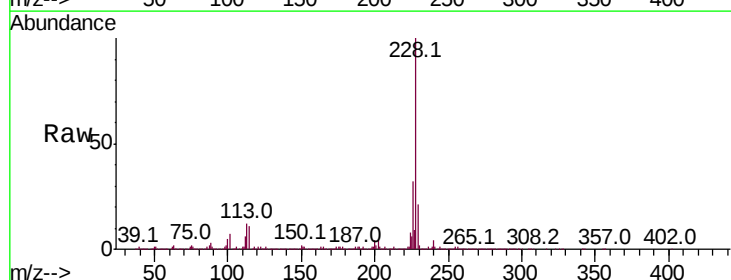
Manual Integrations
APPROVED

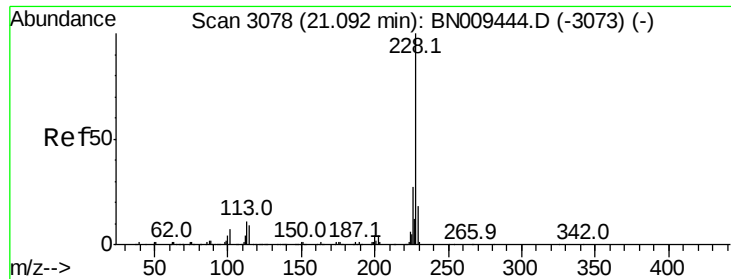
mohammad
1/30/2020 8:03:31 AM



#82
Benzo(a)anthracene
Concen: 161.028 ng/ul
RT: 21.06 min Scan# 3072
Delta R.T. 0.02 min
Lab File: BN009448.D
Acq: 28 Jan 2020 13:25

Tgt Ion:228 Resp: 8481478
Ion Ratio Lower Upper
228 100
229 20.6 15.9 23.9
226 32.4 20.9 31.3#





#84

Chrysene

Concen: 164.254 ng/ul

RT: 21.11 min Scan# 3081

Delta R.T. 0.02 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

Instrument :

BNA_N

ClientSampleId :

GASP4

Tot Ion:228 Resp: 8427640

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.9	34.3
229	20.6	15.4	23.0

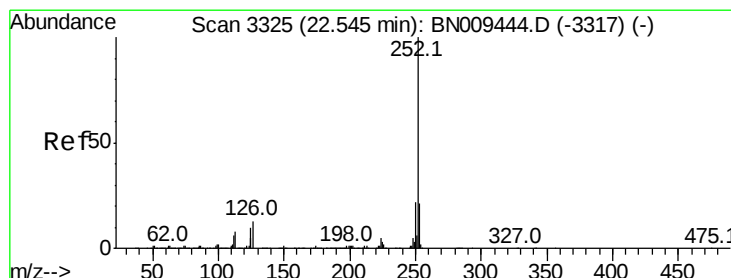
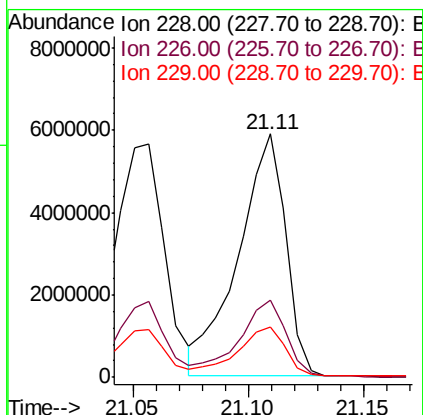
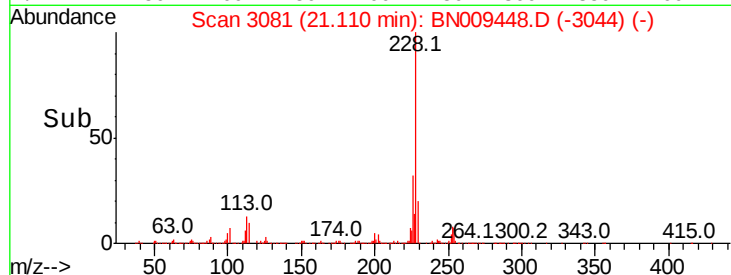
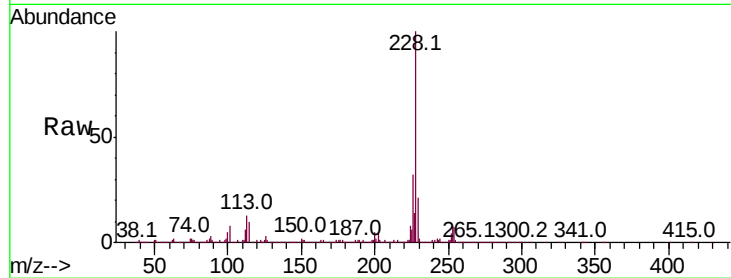
228 100

226 31.9 22.9 34.3

229 20.6 15.4 23.0

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM



#87

Benzo(b)fluoranthene

Concen: 78.369 ng/ul m

RT: 22.58 min Scan# 3331

Delta R.T. 0.03 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

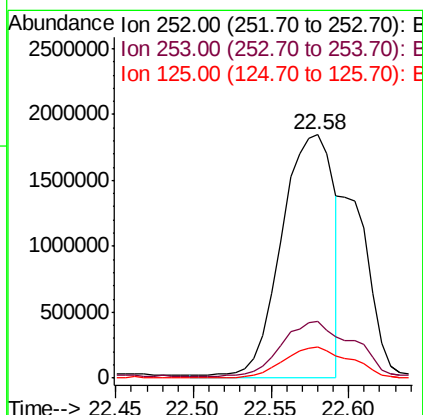
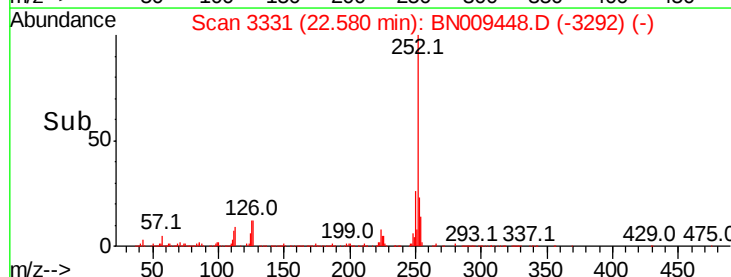
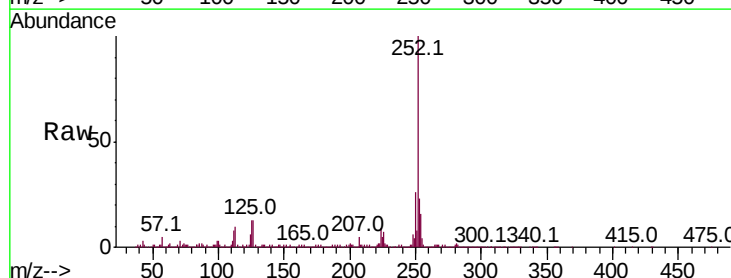
Tgt Ion:252 Resp: 4359827

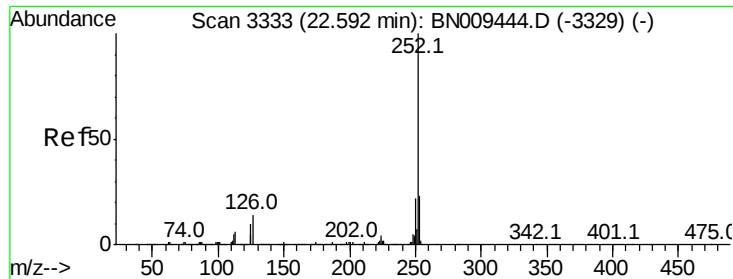
Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.5	24.7
125	12.8	8.2	12.2#

252 100

253 23.3 16.5 24.7

125 12.8 8.2 12.2#





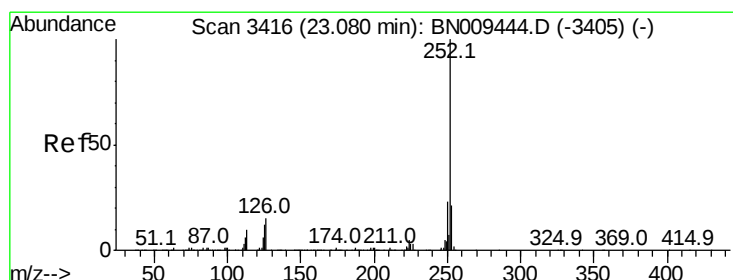
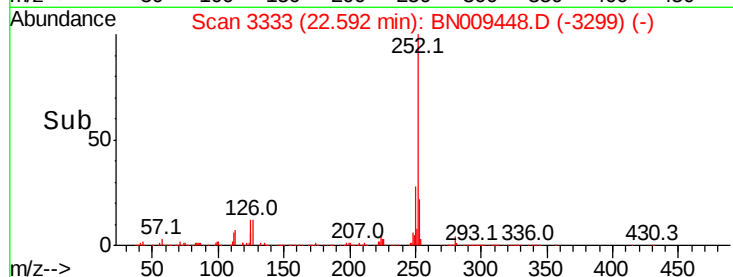
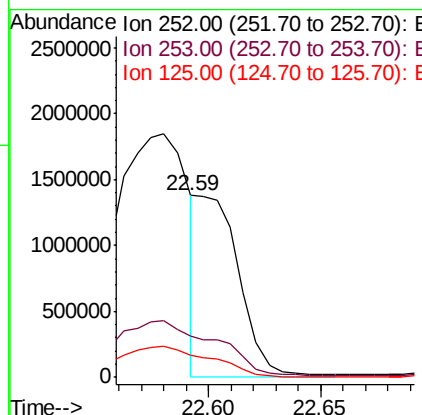
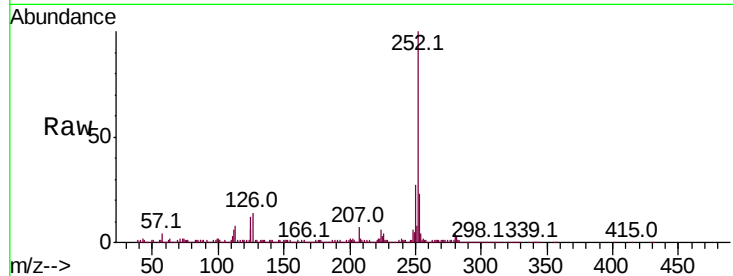
#88
Benzo(k)fluoranthene
Concen: 32.255 ng/ul
RT: 22.59 min Scan# 3333
Delta R.T. -0.00 min
Lab File: BN009448.D
Acq: 28 Jan 2020 13:25

Instrument :
BNA_N
ClientSampleId :
GASP4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	12.3	7.8	11.8

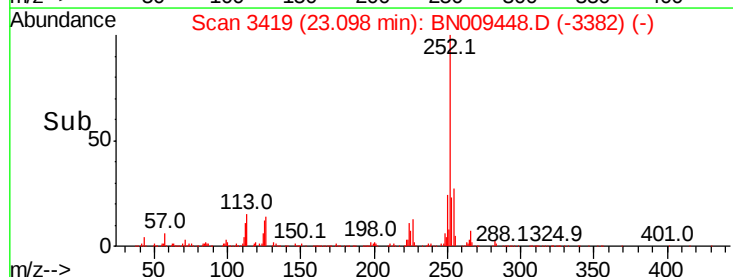
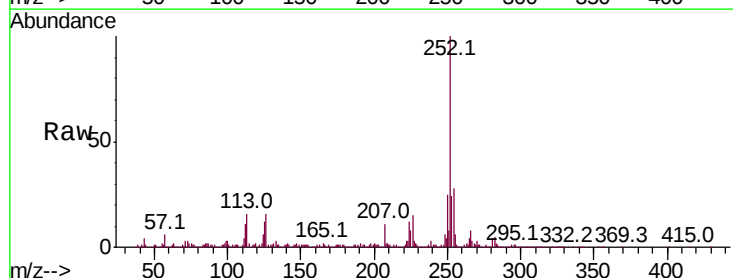
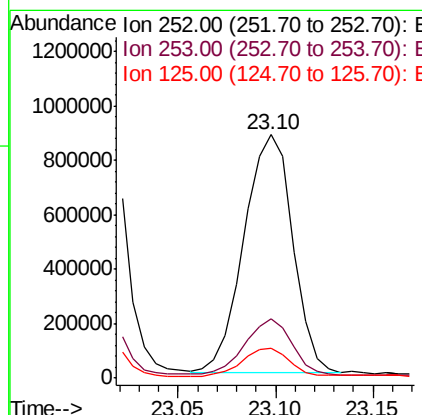
Manual Integrations
APPROVED

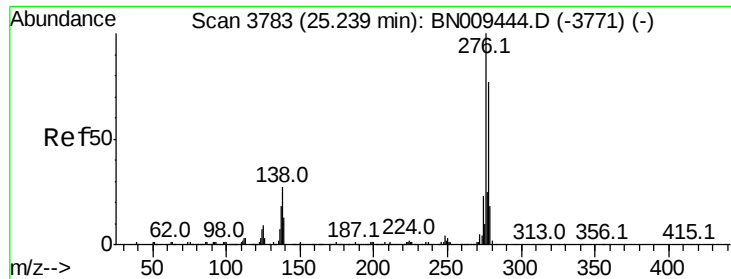
mohammad
1/30/2020 8:03:31 AM



#90
Benzo(a)pyrene
Concen: 30.074 ng/ul
RT: 23.10 min Scan# 3419
Delta R.T. 0.02 min
Lab File: BN009448.D
Acq: 28 Jan 2020 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	12.4	9.8	14.6





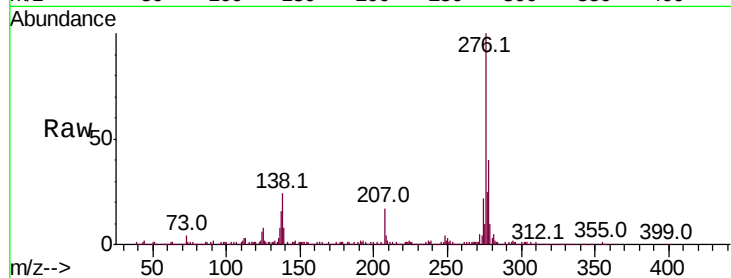
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 26.032 ng/ul
 RT: 25.26 min Scan# 3787
 Delta R.T. 0.02 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	21.4	32.0
277	25.5	20.4	30.6

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

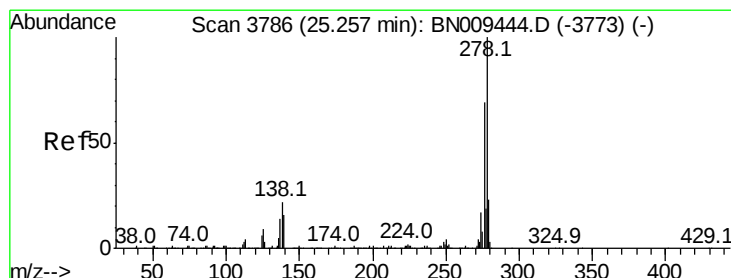
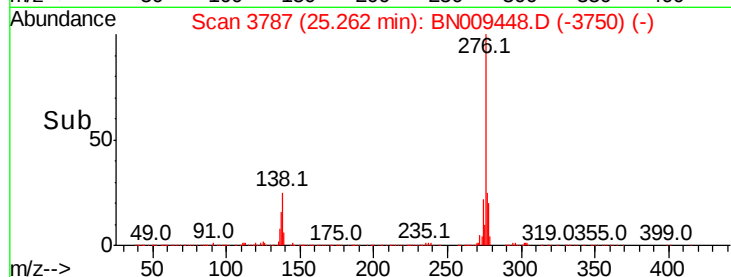
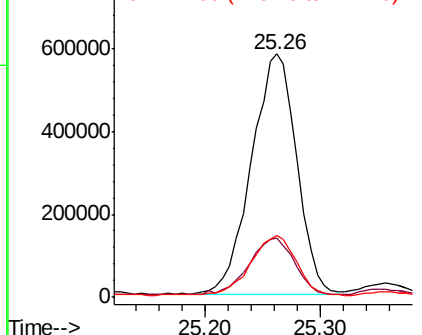


Abundance

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



#92
 Dibenzo(a,h)anthracene
 Concen: 13.091 ng/ul
 RT: 25.26 min Scan# 3787
 Delta R.T. 0.01 min
 Lab File: BN009448.D
 Acq: 28 Jan 2020 13:25

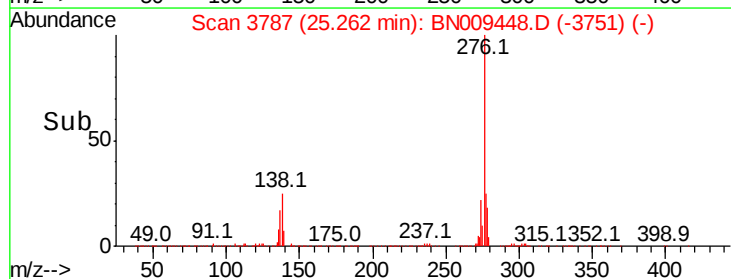
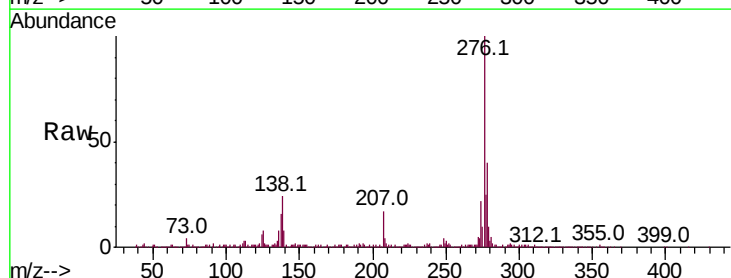
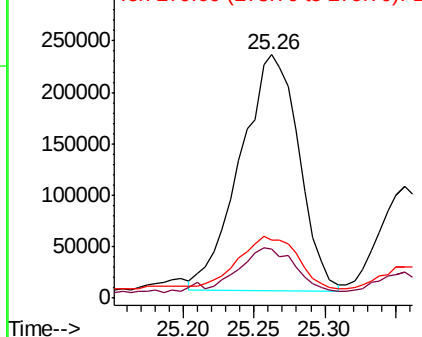
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	13.9	20.9
279	24.1	19.3	28.9

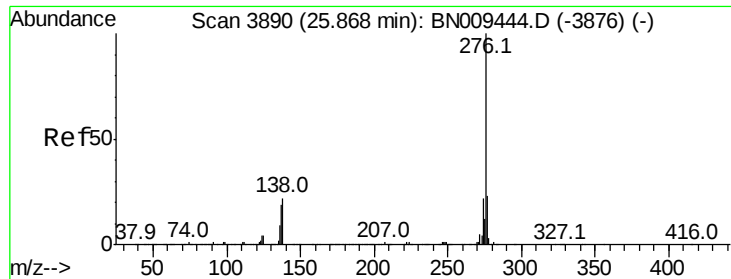
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 24.326 ng/ul

RT: 25.89 min Scan# 3893

Delta R.T. 0.01 min

Lab File: BN009448.D

Acq: 28 Jan 2020 13:25

Instrument :

BNA_N

ClientSampleId :

GASP4

Tot Ion:	276	Resp:	1224501
Ion Ratio	Lower	Upper	
276	100		
138	22.9	16.6	24.8
277	22.6	18.7	28.1

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM

