

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009560.D
 Acq On : 04 Feb 2020 12:38
 Operator : CG/JU
 Sample : L1271-06ME
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7ME

Manual Integrations
 APPROVED

mohammad
 2/4/2020 6:15:33 PM

Quant Time: Feb 04 13:52:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	135197	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	563083	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.08	164	376546	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	752033	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	724551	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	771509	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	10840	3.29	ng/uL	0.00
5) Phenol-d5	6.64	99	228443	19.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	161633	20.41	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	177084	20.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	184310	19.63	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	94579	22.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	99193	21.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	182526	20.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	277926	29.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	582697	21.20	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	718724	21.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	94438	18.19	ng/ul	0.00
57) Fluorene-d10	15.08	176	534933	22.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	78558	16.73	ng/ul	0.01
70) Anthracene-d10	16.93	188	832281	24.36	ng/ul	0.00
78) Pyrene-d10	19.24	212	945380	24.82	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	962049	25.33	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.26	128	15749946	515.791	ng/ul	98
34) 2-Methylnaphthalene	11.89	142	17992255	841.974	ng/ul	96
40) 1,1'-Biphenyl	12.90	154	1428633	48.729	ng/ul	99
47) Acenaphthylene	13.80	152	4367904	120.172	ng/ul	98
49) Acenaphthene	14.14	153	429520	17.383	ng/ul	98
53) Dibenzofuran	14.48	168	558715	16.238	ng/ul	97
58) Fluorene	15.14	166	2687367	93.454	ng/ul	97
64) N-Nitrosodiphenylamine	15.36	169	43224	1.923	ng/ul#	91
69) Phenanthrene	16.89	178	12570758	293.109	ng/ul	98
71) Anthracene	16.97	178	1274759	29.294	ng/ul	100
76) Fluoranthene	18.90	202	2559947	52.299	ng/ul	100
79) Pyrene	19.27	202	4019964	76.003	ng/ul	98
82) Benzo(a)anthracene	21.03	228	1386942m	27.724	ng/ul	
84) Chrysene	21.08	228	1204366	24.183	ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	686302m	14.218	ng/ul	
88) Benzo(k)fluoranthene	22.57	252	236953m	4.985	ng/ul	
90) Benzo(a)pyrene	23.06	252	560637	12.536	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.21	276	266475	5.012	ng/ul	92
92) Dibenzo(a,h)anthracene	25.22	278	97197	2.172	ng/ul	96
93) Benzo(g,h,i)perylene	25.83	276	207550	4.658	ng/ul#	89

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

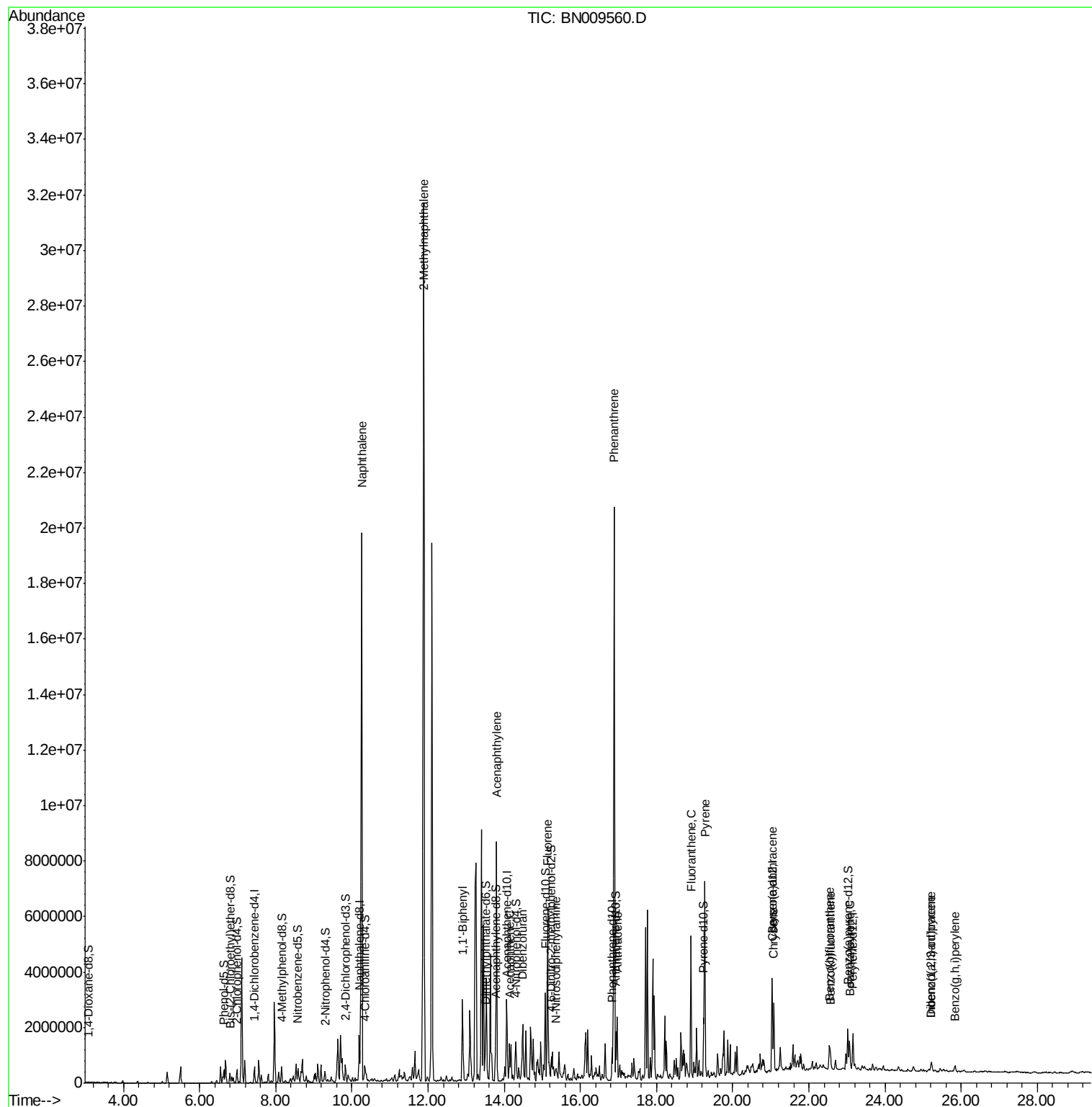
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
Data File : BN009560.D
Acq On : 04 Feb 2020 12:38
Operator : CG/JU
Sample : L1271-06ME
Misc :
ALS Vial : 36 Sample Multiplier: 1

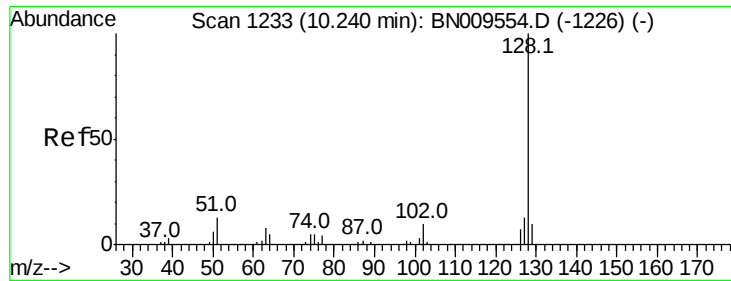
Instrument :
BNA_N
ClientSampleId :
GASZ7ME

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:33 PM

Quant Time: Feb 04 13:52:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
Response via : Initial Calibration





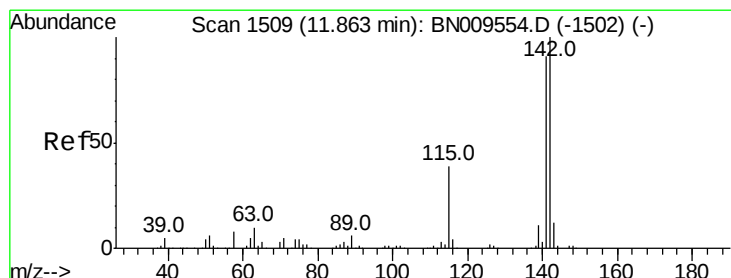
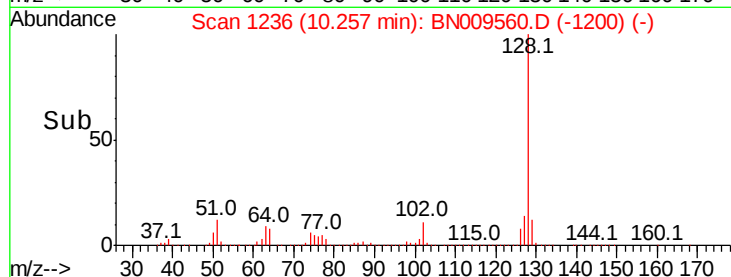
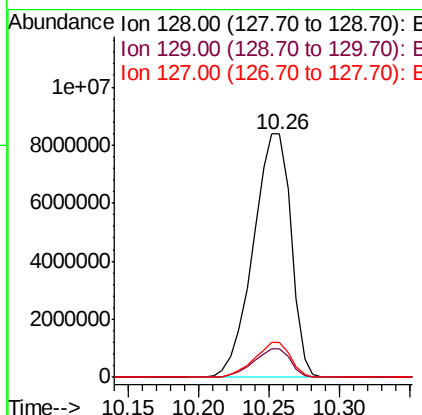
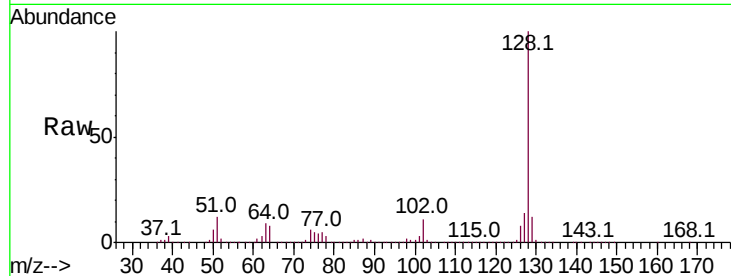
#28
Naphthalene
Concen: 515.791 ng/ul
RT: 10.26 min Scan# 1236
Delta R.T. 0.01 min
Lab File: BN009560.D
Acq: 04 Feb 2020 12:38

Instrument :
BNA_N
ClientSampled :
GASZ7ME

Tot Ion:128 Resp:15749946
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 14.3 10.7 16.1

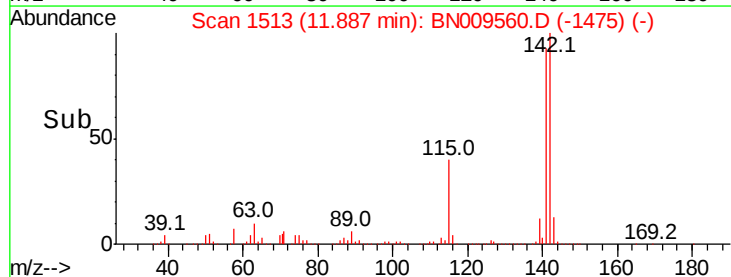
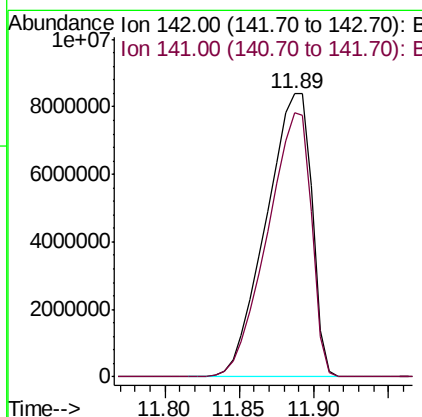
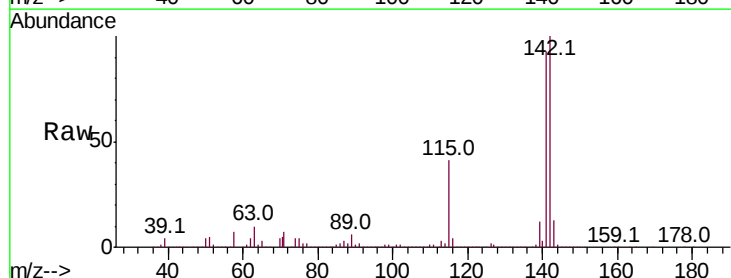
Manual Integrations
APPROVED

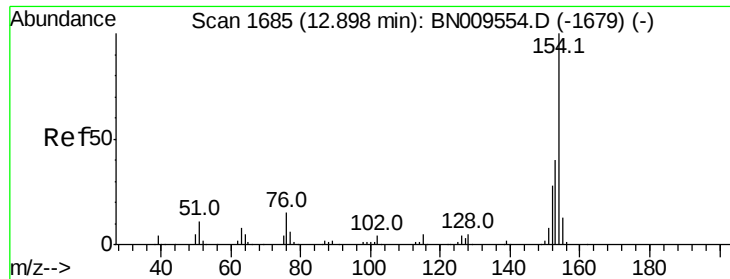
mohammad
2/4/2020 6:15:33 PM



#34
2-Methylnaphthalene
Concen: 841.974 ng/ul
RT: 11.89 min Scan# 1513
Delta R.T. 0.02 min
Lab File: BN009560.D
Acq: 04 Feb 2020 12:38

Tgt Ion:142 Resp:17992255
Ion Ratio Lower Upper
142 100
141 93.2 71.5 107.3





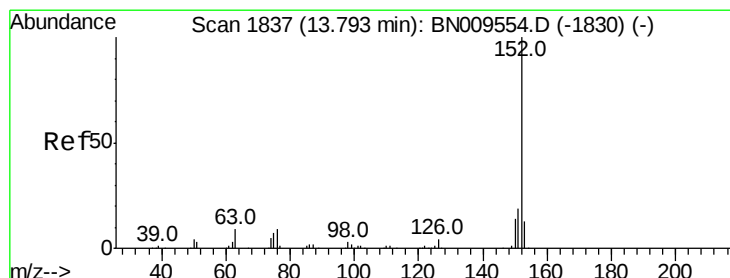
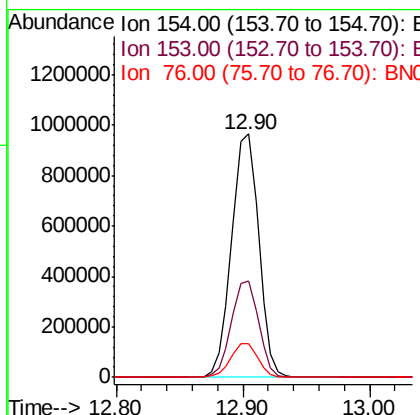
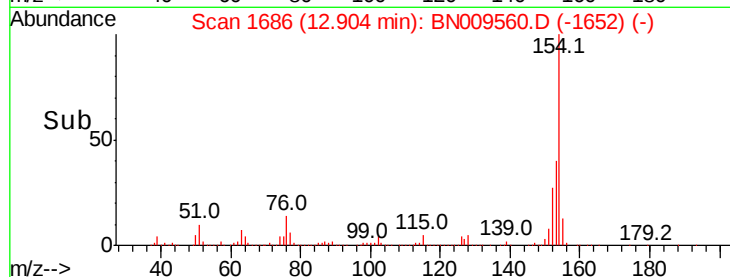
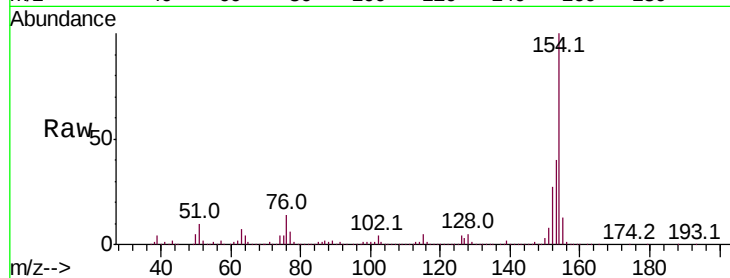
#40
1,1'-Biphenyl
Concen: 48.729 ng/ul
RT: 12.90 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BN009560.D
Acq: 04 Feb 2020 12:38

Instrument :
BNA_N
ClientSampleId :
GASZ7ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	31.2	46.8
76	13.6	11.4	17.2

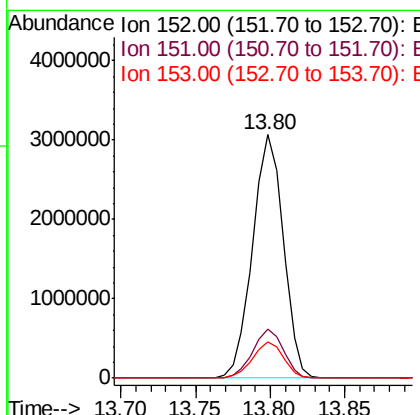
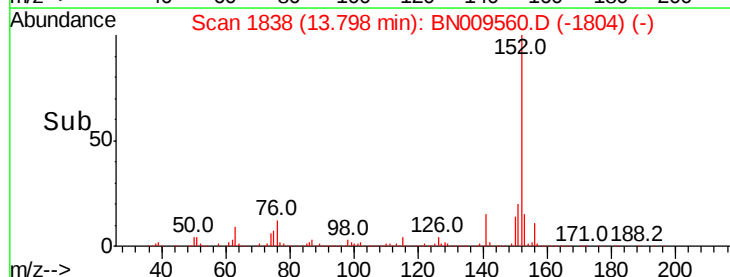
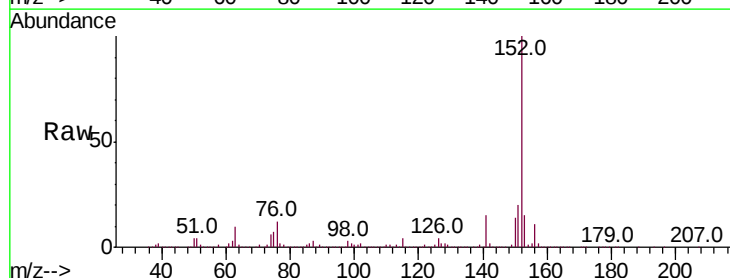
Manual Integrations
APPROVED

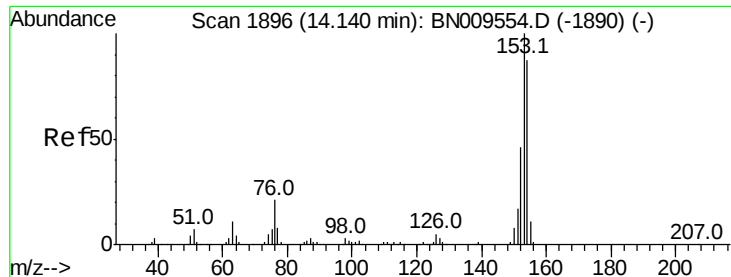
mohammad
2/4/2020 6:15:33 PM



#47
Acenaphthylene
Concen: 120.172 ng/ul
RT: 13.80 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BN009560.D
Acq: 04 Feb 2020 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.9	10.6	15.8





#49

Acenaphthene

Concen: 17.383 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Instrument :

BNA_N

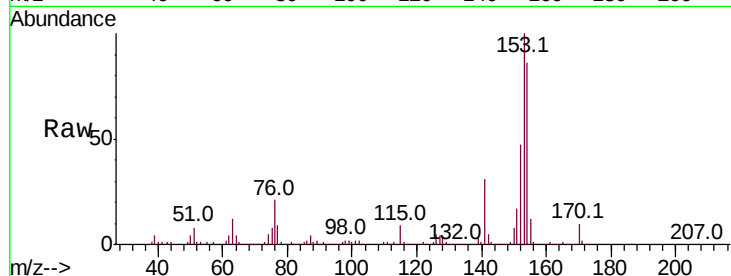
ClientSampleId :

GASZ7ME

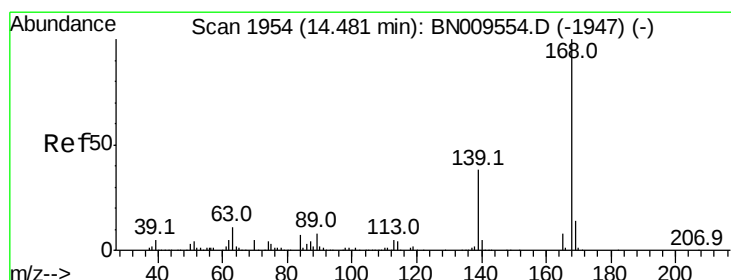
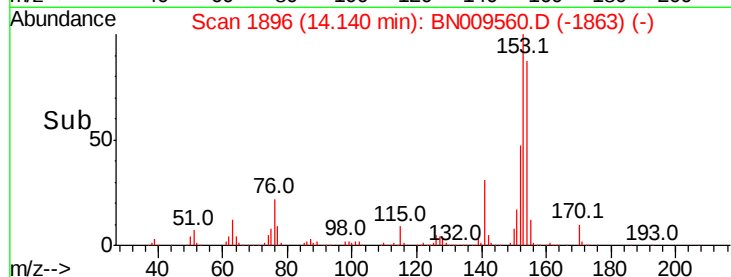
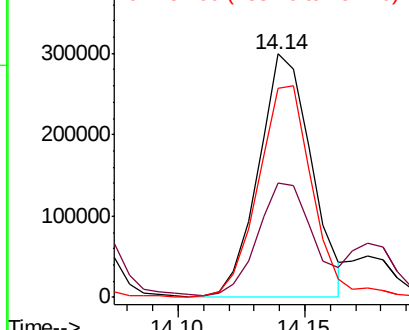
Tot Ion:	153	Resp:	429520
Ion Ratio	Lower	Upper	
153	100		
152	46.8	37.3	55.9
154	85.6	70.2	105.2

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:33 PM



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: 16.238 ng/ul

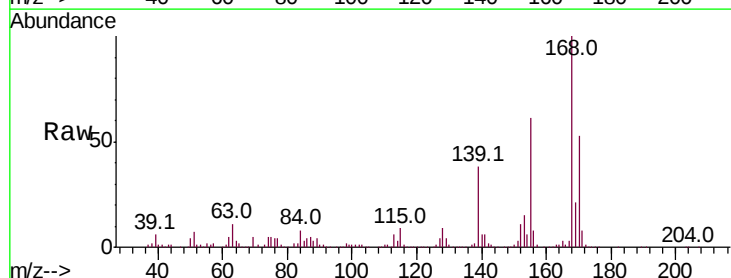
RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

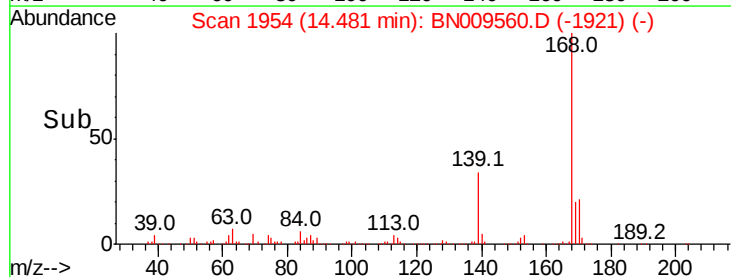
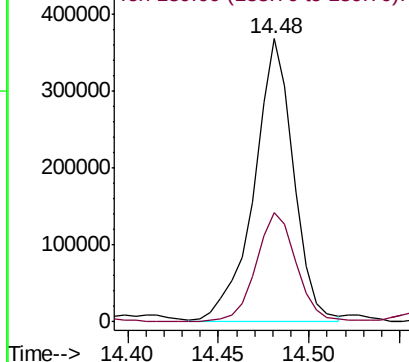
Lab File: BN009560.D

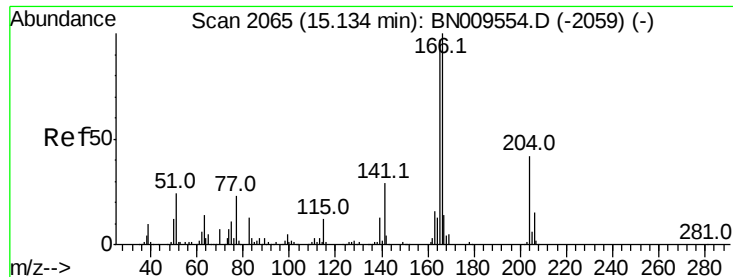
Acq: 04 Feb 2020 12:38

Tgt Ion:	168	Resp:	558715
Ion Ratio	Lower	Upper	
168	100		
139	38.5	29.5	44.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





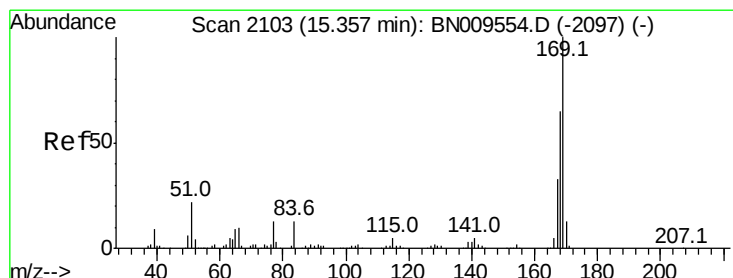
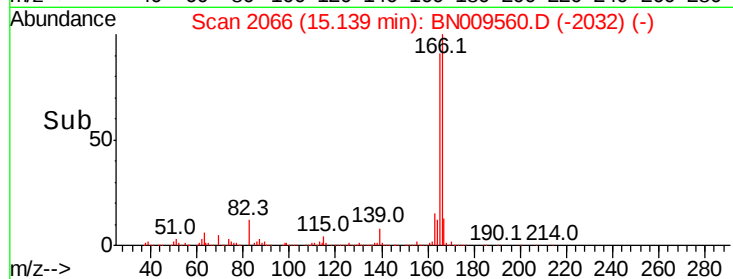
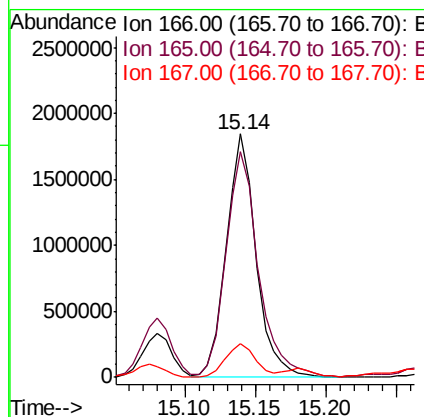
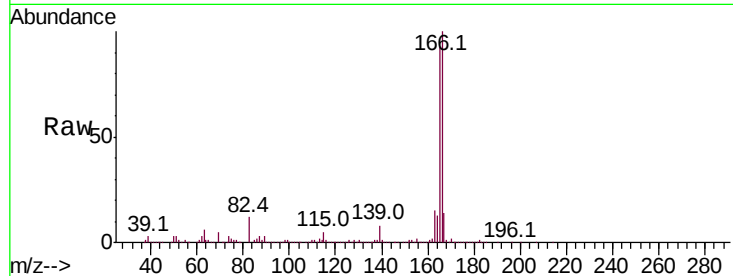
#58
Fluorene
 Concen: 93.454 ng/ul
 RT: 15.14 min Scan# 2066
 Delta R.T. 0.00 min
 Lab File: BN009560.D
 Acq: 04 Feb 2020 12:38

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7ME

Tot Ion:	166	Resp:	2687367
Ion	Ratio	Lower	Upper
166	100		
165	92.6	76.7	115.1
167	13.9	11.1	16.7

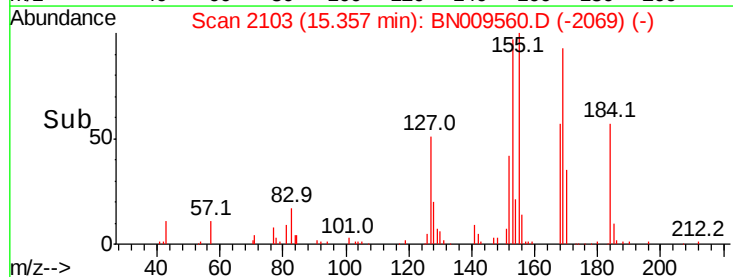
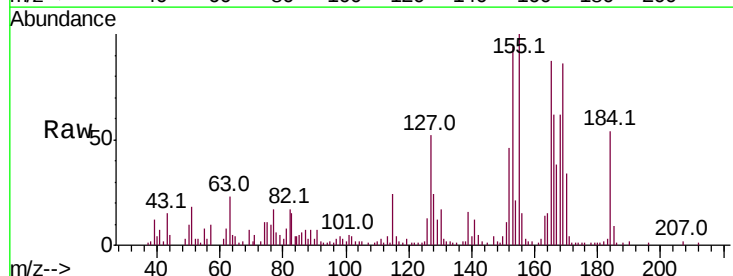
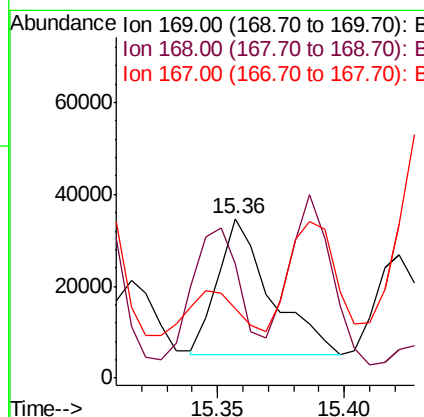
Manual Integrations
 APPROVED

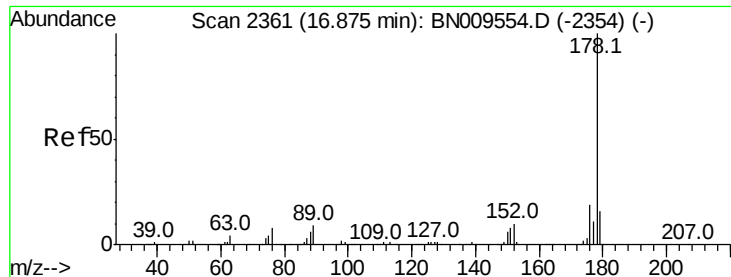
mohammad
 2/4/2020 6:15:33 PM



#64
N-Nitrosodiphenylamine
 Concen: 1.923 ng/ul
 RT: 15.36 min Scan# 2103
 Delta R.T. 0.00 min
 Lab File: BN009560.D
 Acq: 04 Feb 2020 12:38

Tgt Ion:	169	Resp:	43224
Ion	Ratio	Lower	Upper
169	100		
168	71.9	53.8	80.8
167	43.6	27.5	41.3#





#69

Phenanthrene

Concen: 293.109 ng/ul

RT: 16.89 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Instrument :

BNA_N

ClientSampled :

GASZ7ME

Tot Ion:178 Resp:12570758

Ion Ratio Lower Upper

178 100

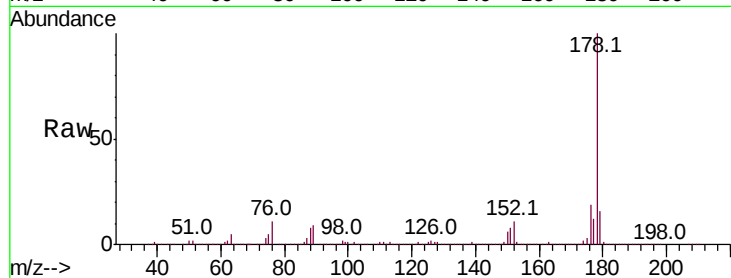
179 15.7 12.2 18.2

176 19.5 14.8 22.2

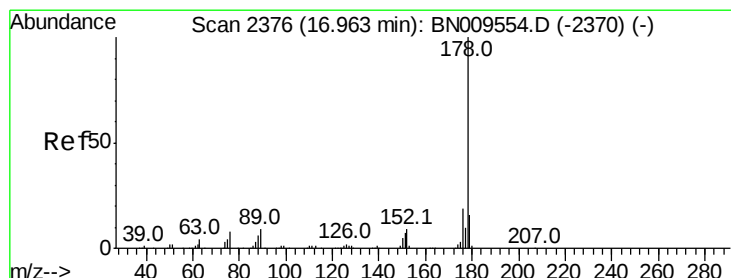
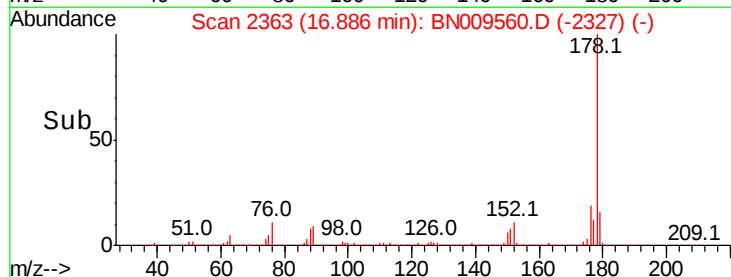
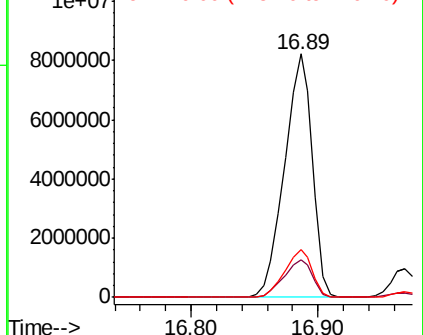
Manual Integrations
APPROVED

mohammad

2/4/2020 6:15:33 PM



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: 29.294 ng/ul

RT: 16.97 min Scan# 2377

Delta R.T. 0.00 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Tgt Ion:178 Resp: 1274759

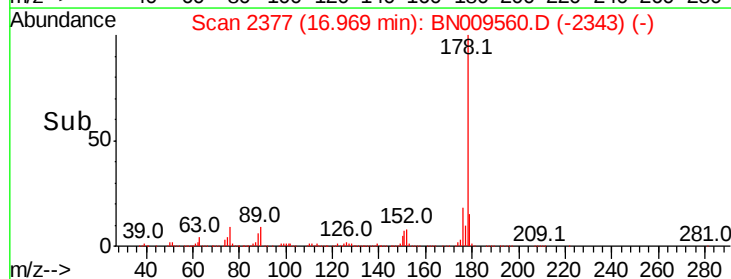
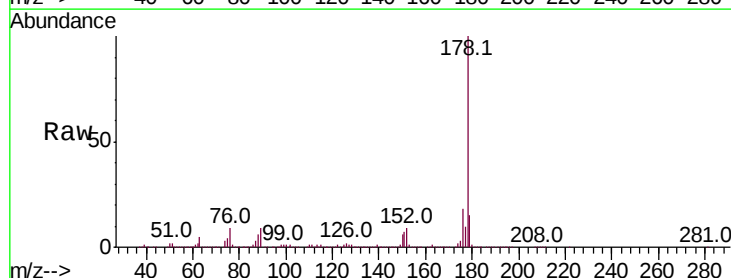
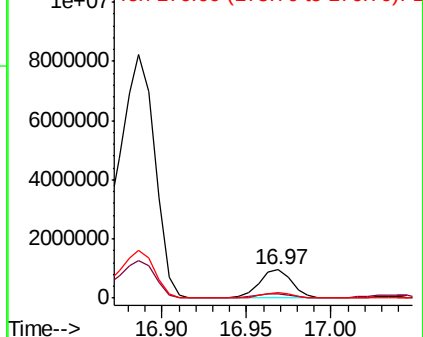
Ion Ratio Lower Upper

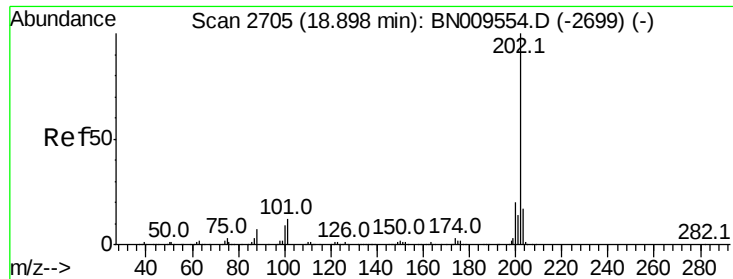
178 100

179 15.2 12.1 18.1

176 18.3 14.6 21.8

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





#76

Fluoranthene

Concen: 52.299 ng/ul

RT: 18.90 min Scan# 2706

Delta R.T. 0.00 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Instrument :

BNA_N

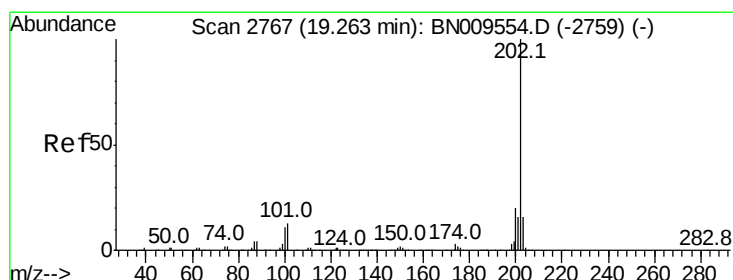
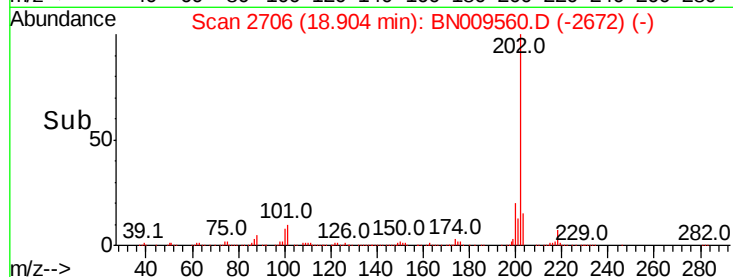
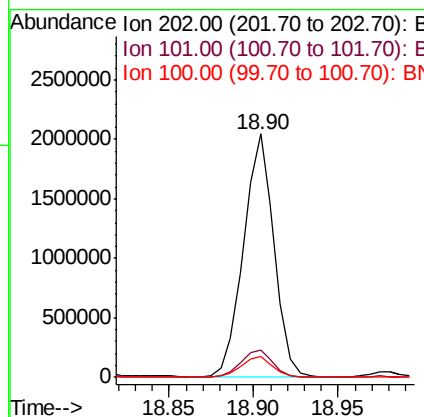
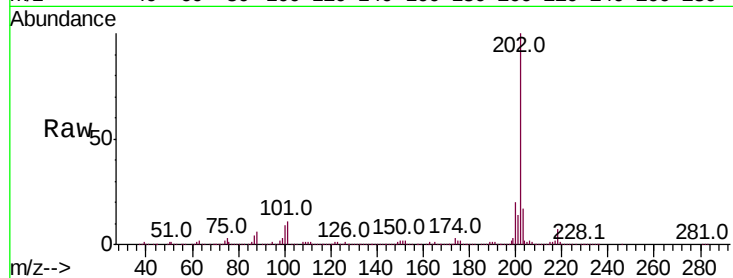
ClientSampled :

GASZ7ME

Tot Ion:	202	Resp:	2559947
Ion Ratio	Lower	Upper	
202	100		
101	11.2	9.2	13.8
100	8.6	6.9	10.3

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:33 PM



#79

Pyrene

Concen: 76.003 ng/ul

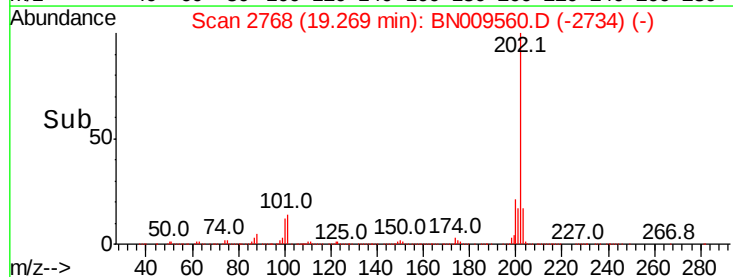
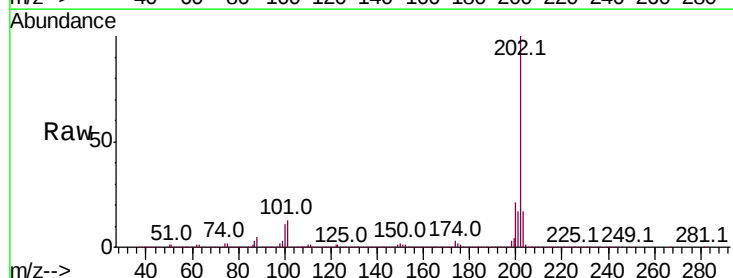
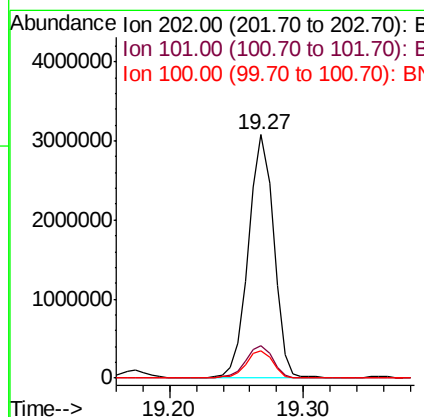
RT: 19.27 min Scan# 2768

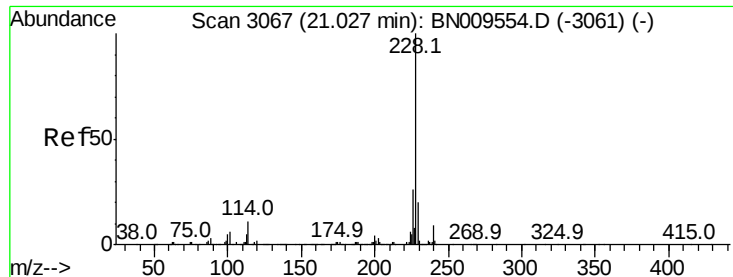
Delta R.T. 0.00 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Tgt Ion:	202	Resp:	4019964
Ion Ratio	Lower	Upper	
202	100		
101	13.4	10.3	15.5
100	11.3	8.4	12.6





#82

Benzo(a)anthracene

Concen: 27.724 ng/ul

RT: 21.03 min Scan# 3067

Delta R.T. 0.00 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Instrument :

BNA_N

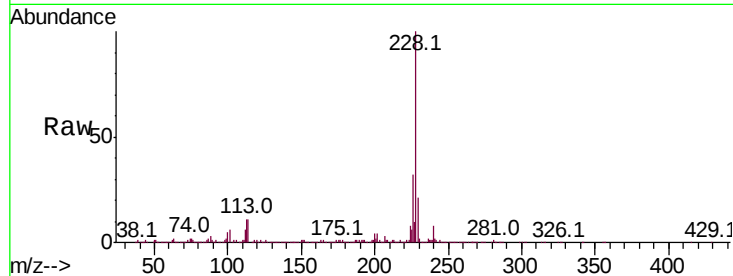
ClientSampleId :

GASZ7ME

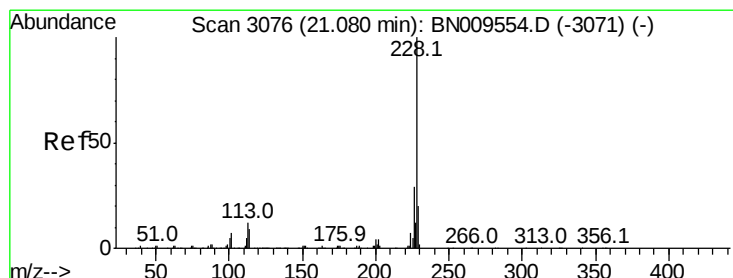
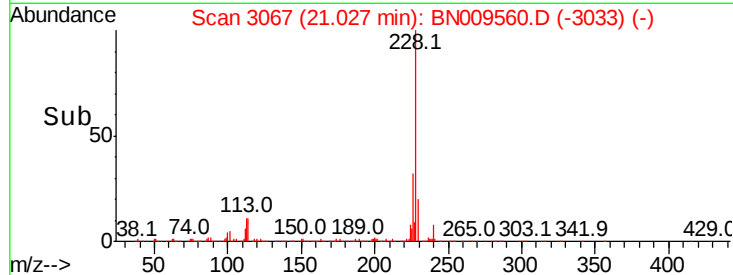
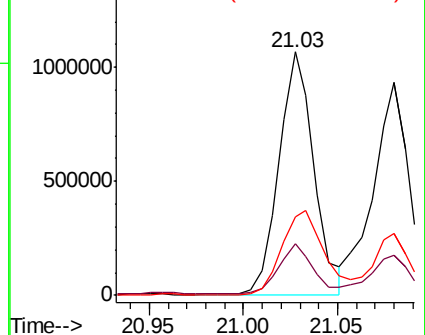
Tot Ion:	228	Resp:	1386942
Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.0	22.4
226	32.5	20.9	31.3#

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:33 PM



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



#84

Chrysene

Concen: 24.183 ng/ul

RT: 21.08 min Scan# 3076

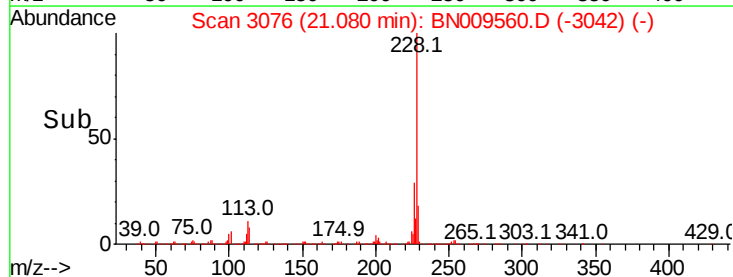
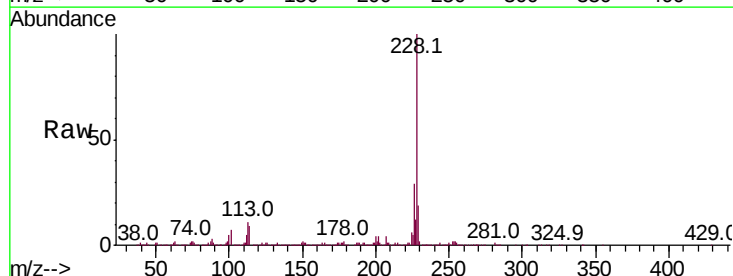
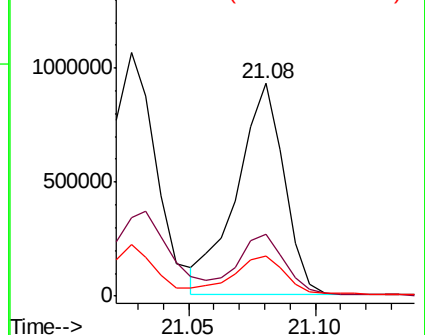
Delta R.T. 0.00 min

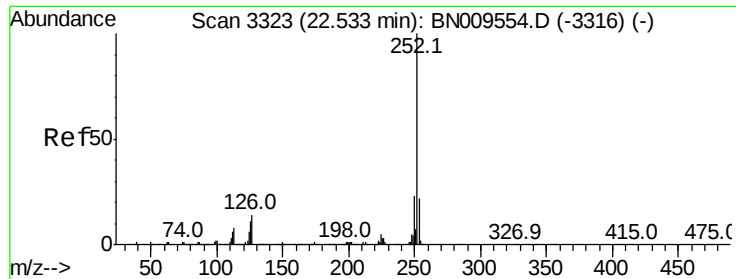
Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Tgt Ion:	228	Resp:	1204366
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	18.7	15.8	23.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 14.218 ng/ul m

RT: 22.54 min Scan# 3324

Delta R.T. 0.01 min

Lab File: BN009560.D

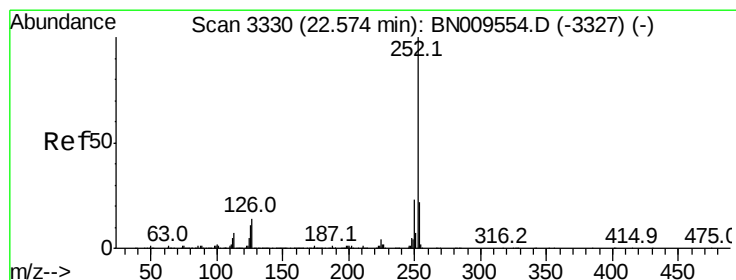
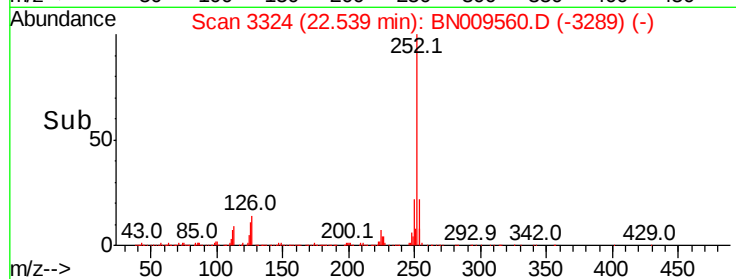
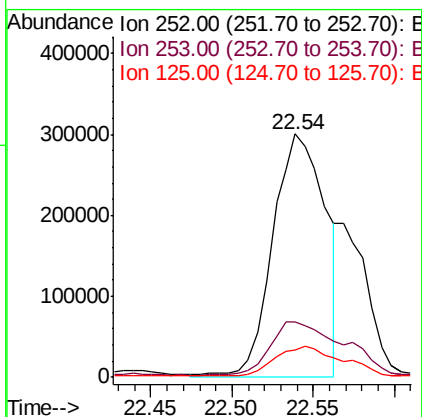
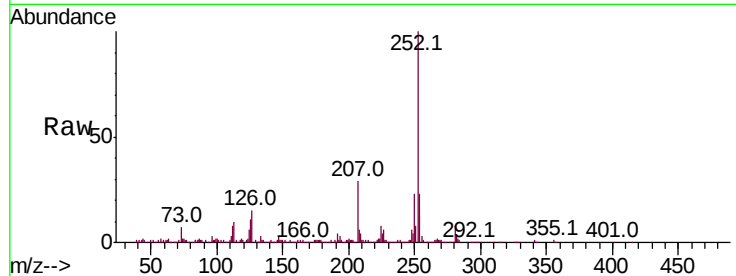
Acq: 04 Feb 2020 12:38

Instrument :
BNA_N
ClientSampleId :
GASZ7ME

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	17.0	25.6
125	11.4	8.2	12.2

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:33 PM



#88

Benzo(k)fluoranthene

Concen: 4.985 ng/ul m

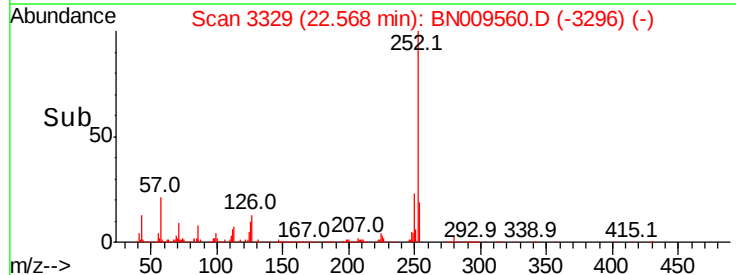
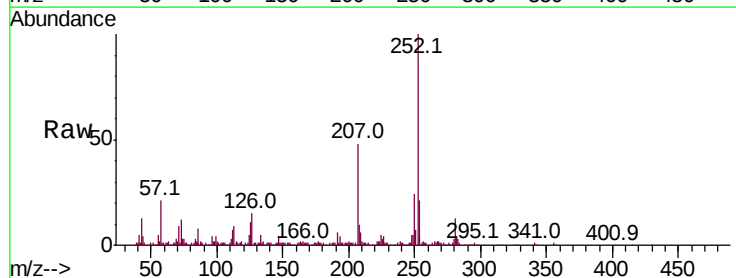
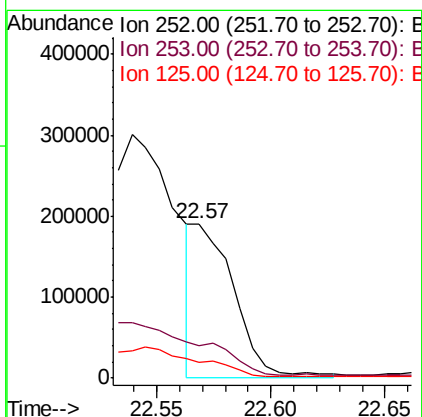
RT: 22.57 min Scan# 3329

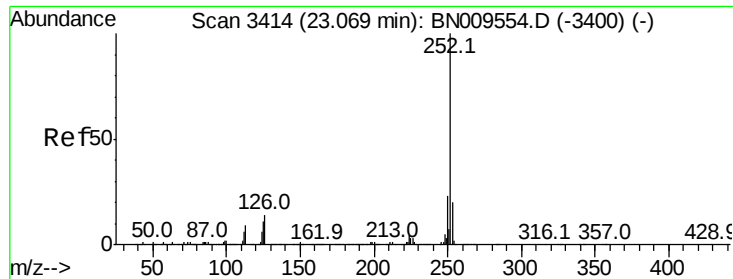
Delta R.T. -0.01 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.1	17.0	25.4
125	10.6	8.0	12.0





#90

Benzo(a)pyrene

Concen: 12.536 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Instrument :

BNA_N

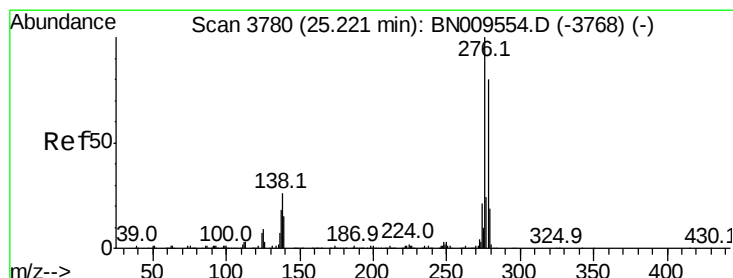
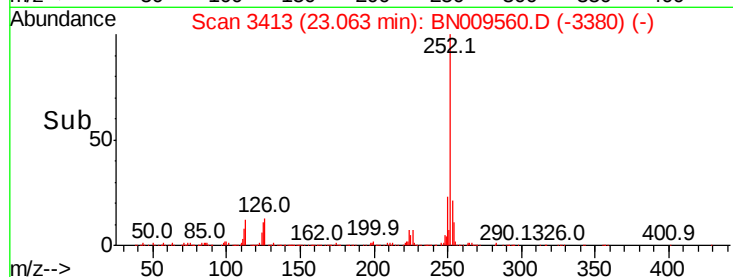
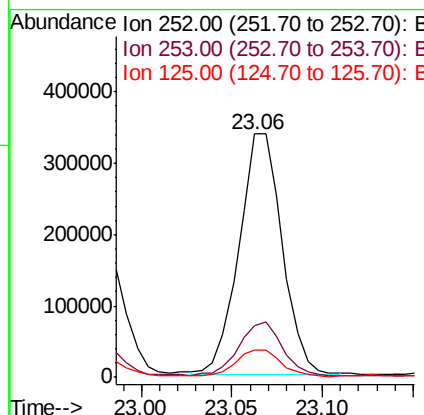
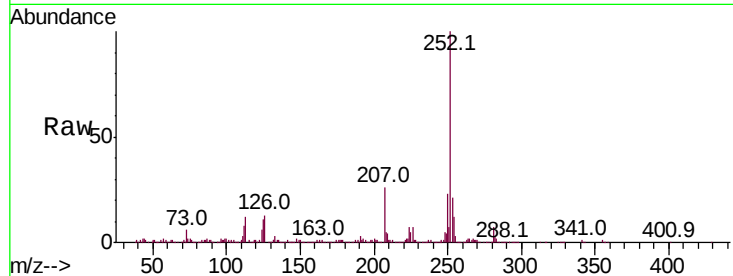
ClientSampleId :

GASZ7ME

Tot Ion:	252	Resp:	560637
Ion Ratio	Lower	Upper	
252	100		
253	21.4	15.8	23.8
125	11.4	8.7	13.1

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:33 PM



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.012 ng/ul

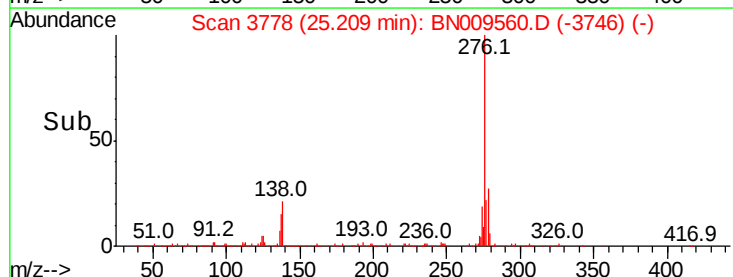
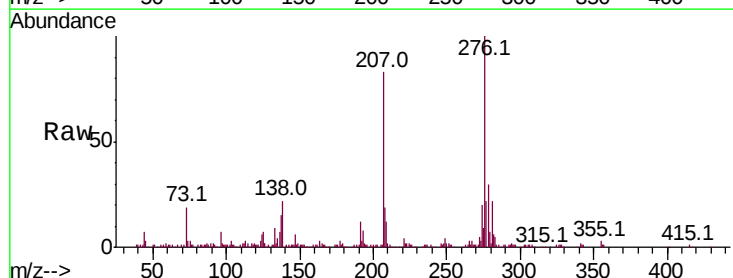
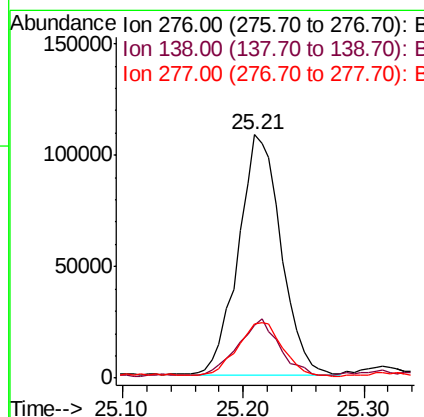
RT: 25.21 min Scan# 3778

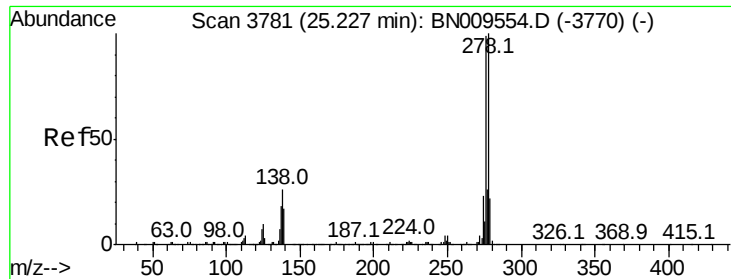
Delta R.T. -0.01 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Tgt Ion:	276	Resp:	266475
Ion Ratio	Lower	Upper	
276	100		
138	21.8	20.3	30.5
277	22.1	21.2	31.8





#92

Dibenzo(a,h)anthracene

Concen: 2.172 ng/ul

RT: 25.22 min Scan# 3780

Delta R.T. -0.01 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Instrument :

BNA_N

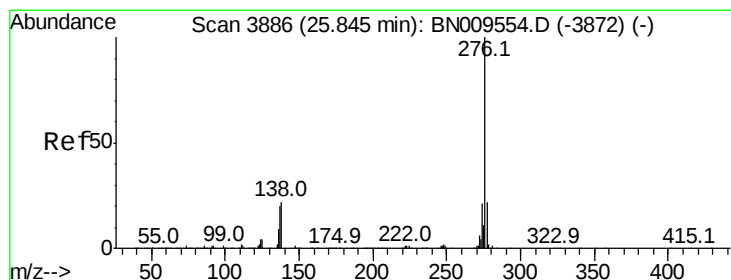
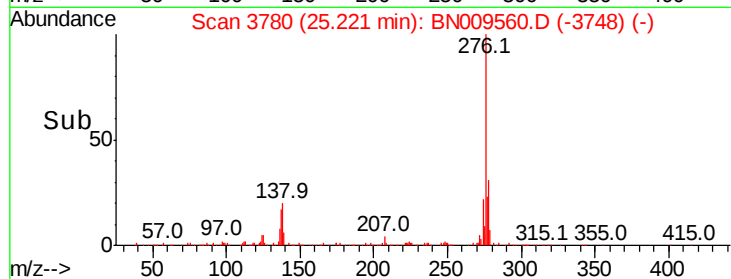
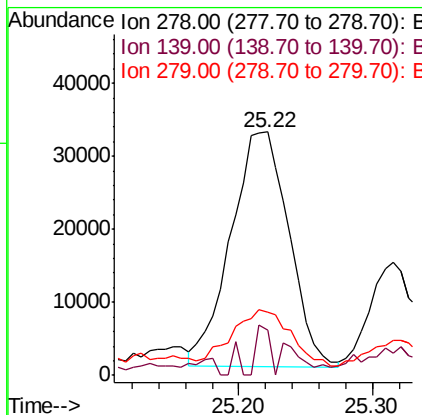
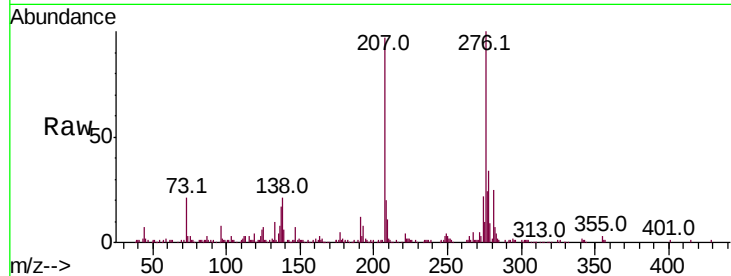
ClientSampleId :

GASZ7ME

Tot Ion:	278	Resp:	97197
Ion Ratio	Lower	Upper	
278	100		
139	18.5	12.7	19.1
279	25.9	19.8	29.8

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:33 PM



#93

Benzo(g,h,i)perylene

Concen: 4.658 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BN009560.D

Acq: 04 Feb 2020 12:38

Tgt Ion:	276	Resp:	207550
Ion Ratio	Lower	Upper	
276	100		
138	24.4	16.0	24.0#
277	27.4	17.0	25.6#

