

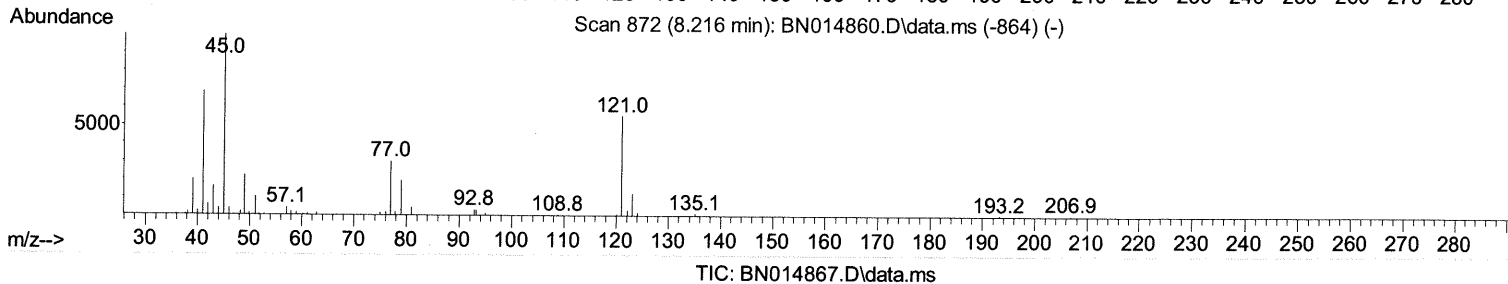
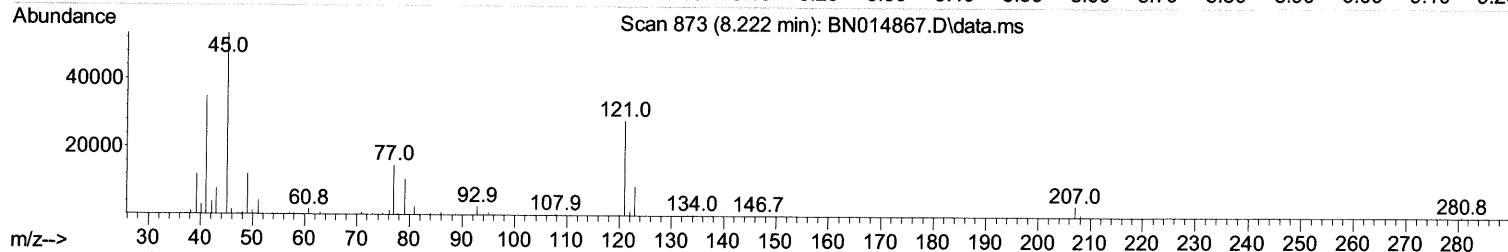
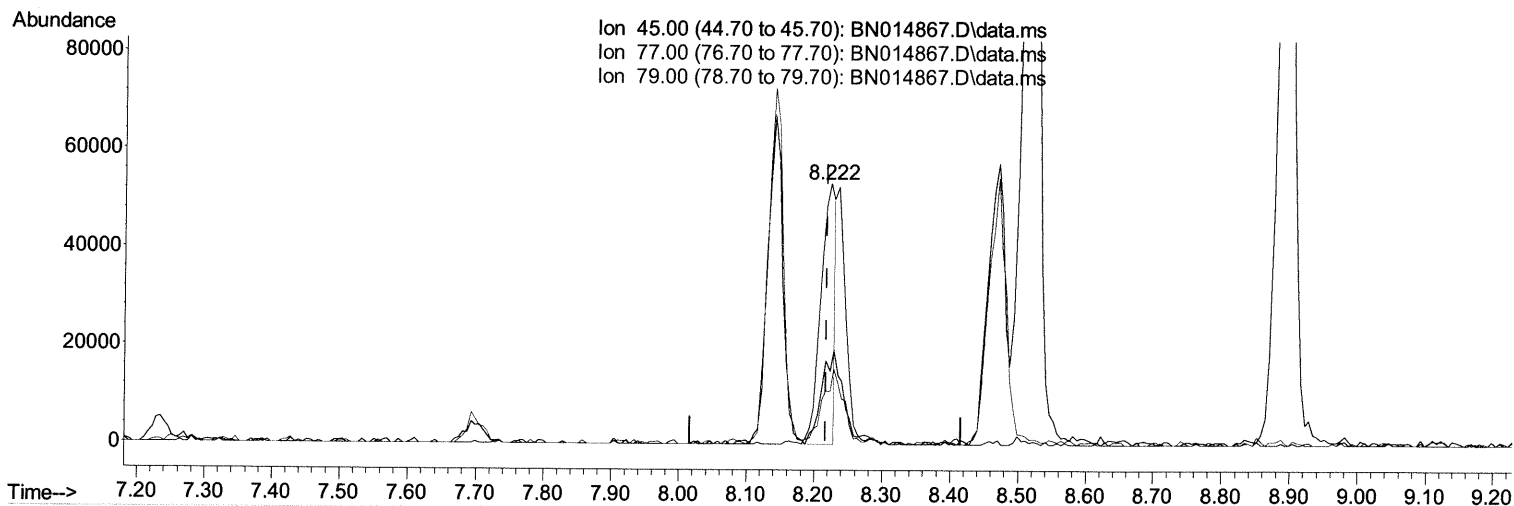
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
Data File : BN014867.D
Acq On : 10 Jun 2021 18:25
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual Integrations
APPROVED

mohammad
6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 10 11:55:23 2021
Response via : Initial Calibration



(14) 2,2'-oxybis(1-Chloropropane)

8.222min (+ 0.006) 10.78 ng/ul

response 79274

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	32.30	28.00
79.00	26.80	20.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

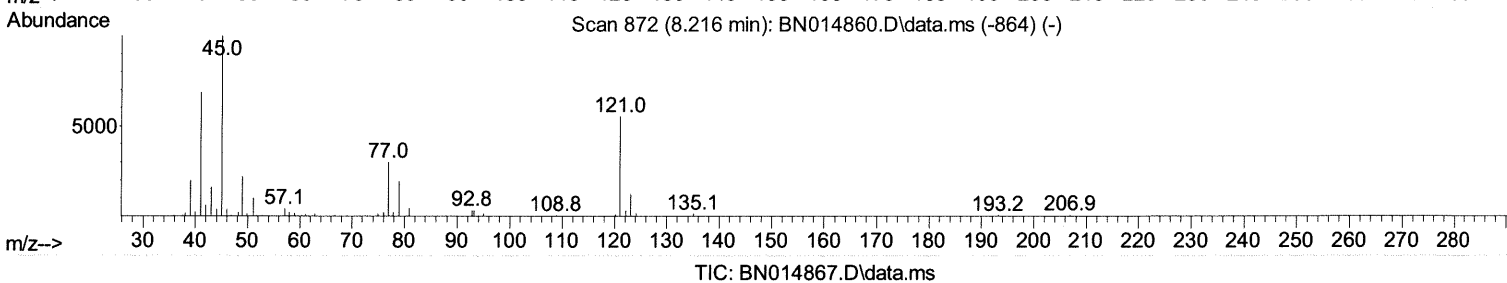
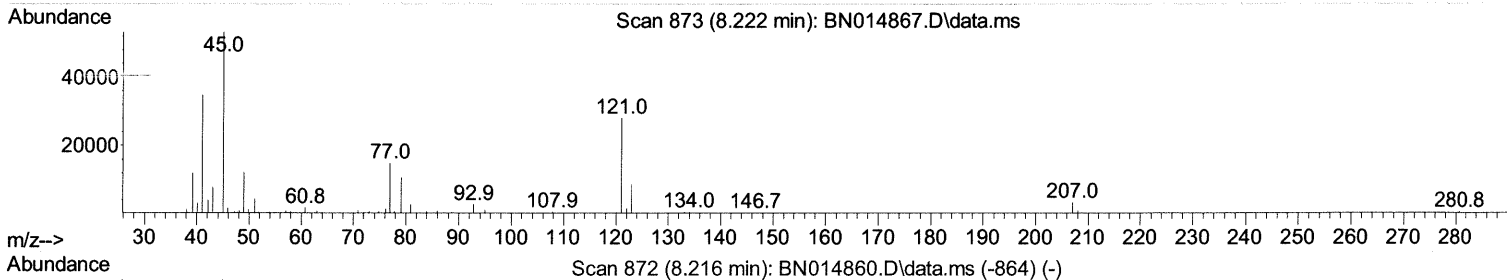
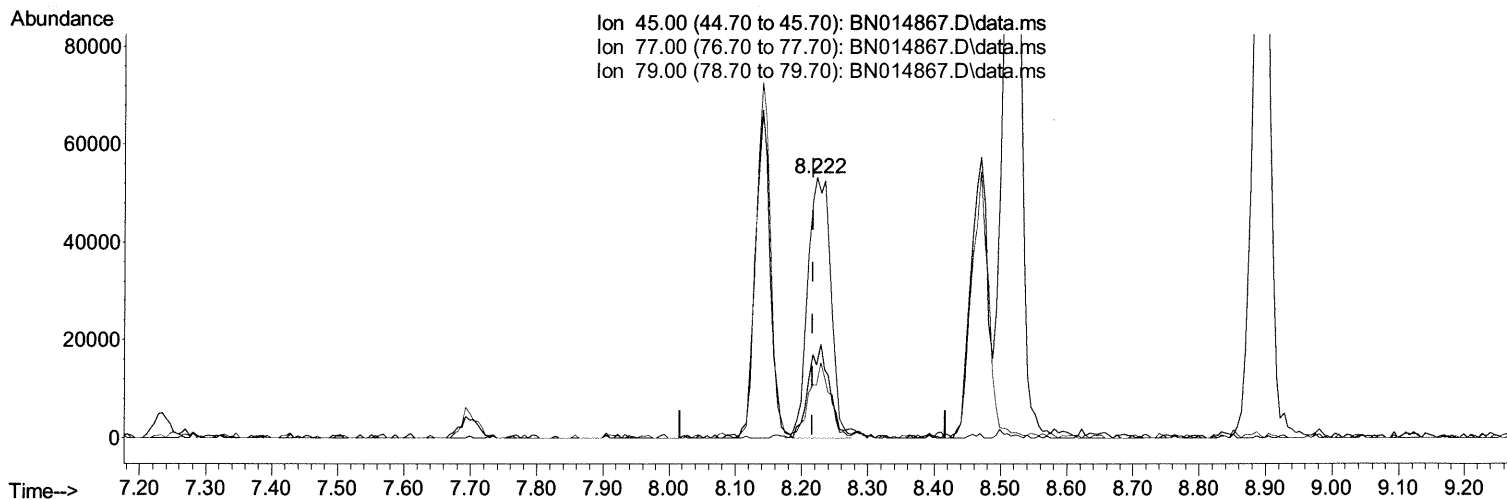
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
 Data File : BN014867.D
 Acq On : 10 Jun 2021 18:25
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration



TIC: BN014867.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.222min (+ 0.006) 17.33 ng/ul m 34 6/14/21

response 127403

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	32.30	28.00
79.00	26.80	20.28#
0.00	0.00	0.00

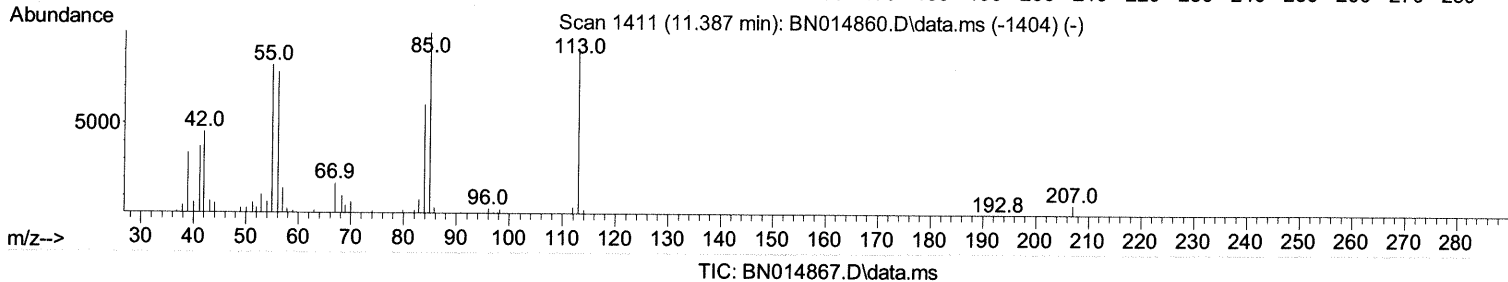
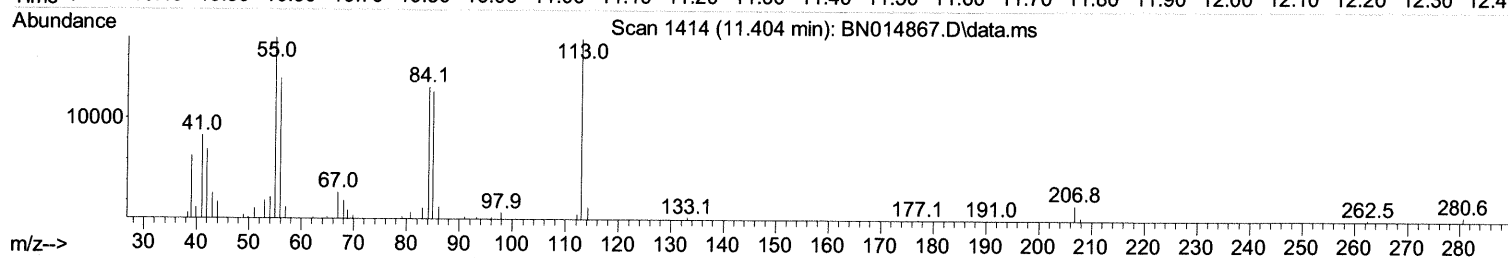
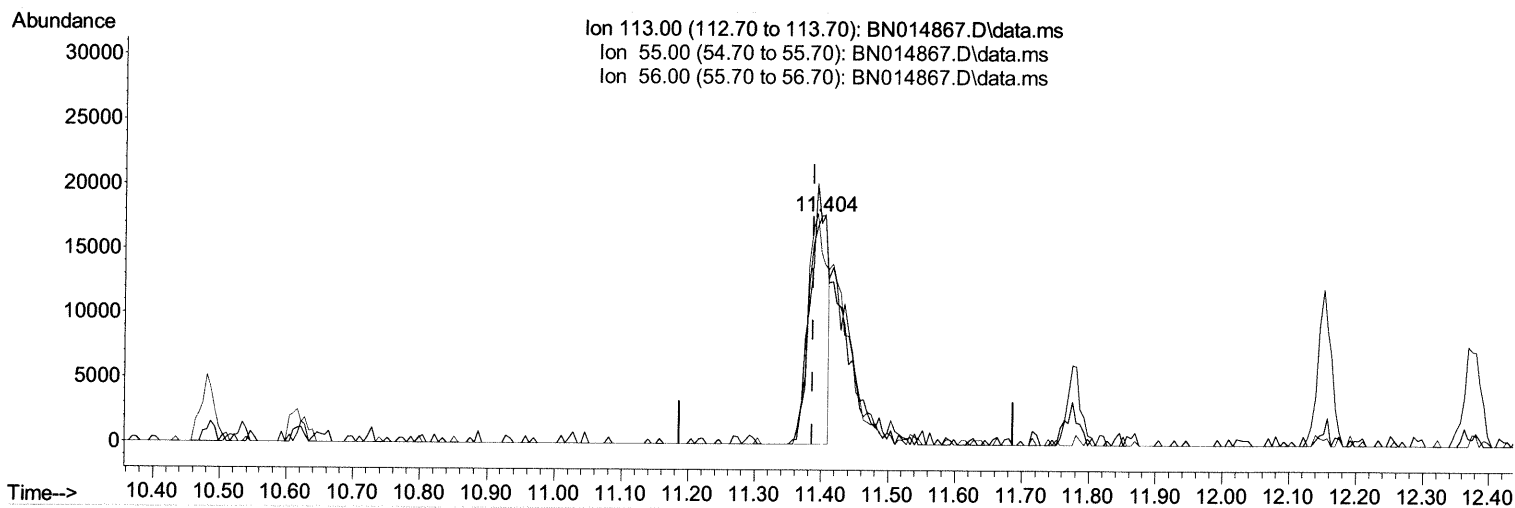
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
Data File : BN014867.D
Acq On : 10 Jun 2021 18:25
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual Integrations
APPROVED

mohammad
6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 10 11:55:23 2021
Response via : Initial Calibration



(34) Caprolactam

11.404min (+ 0.018) 10.28 ng/u1

response 35569

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	118.50	100.45
56.00	73.20	78.53
0.00	0.00	0.00

Quantitation Report (Qedit)

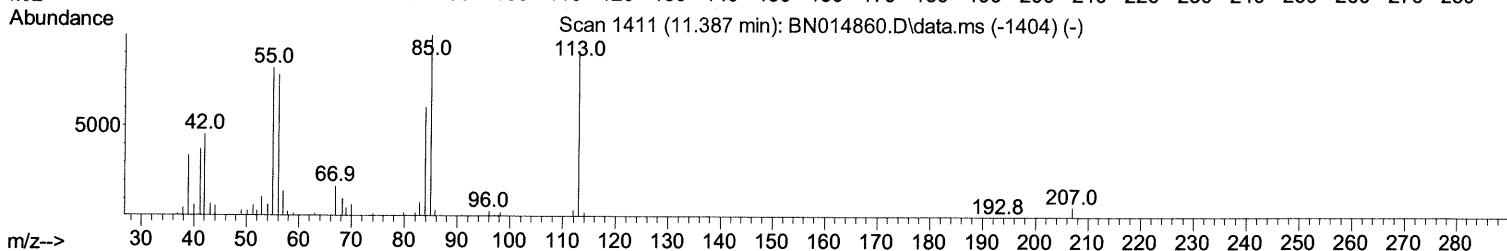
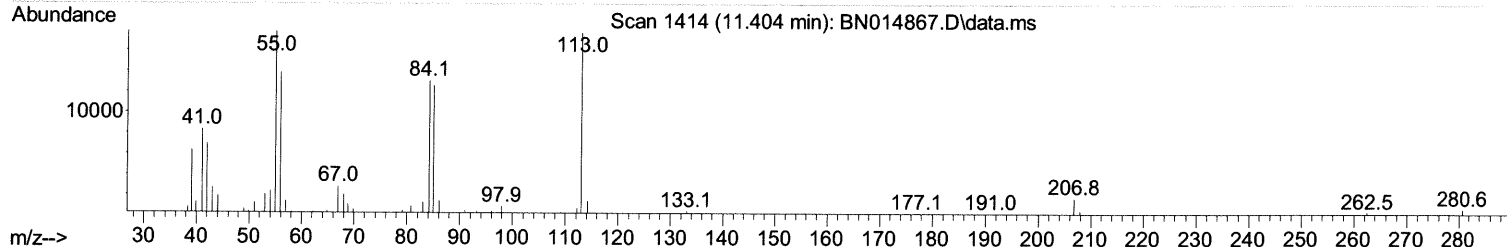
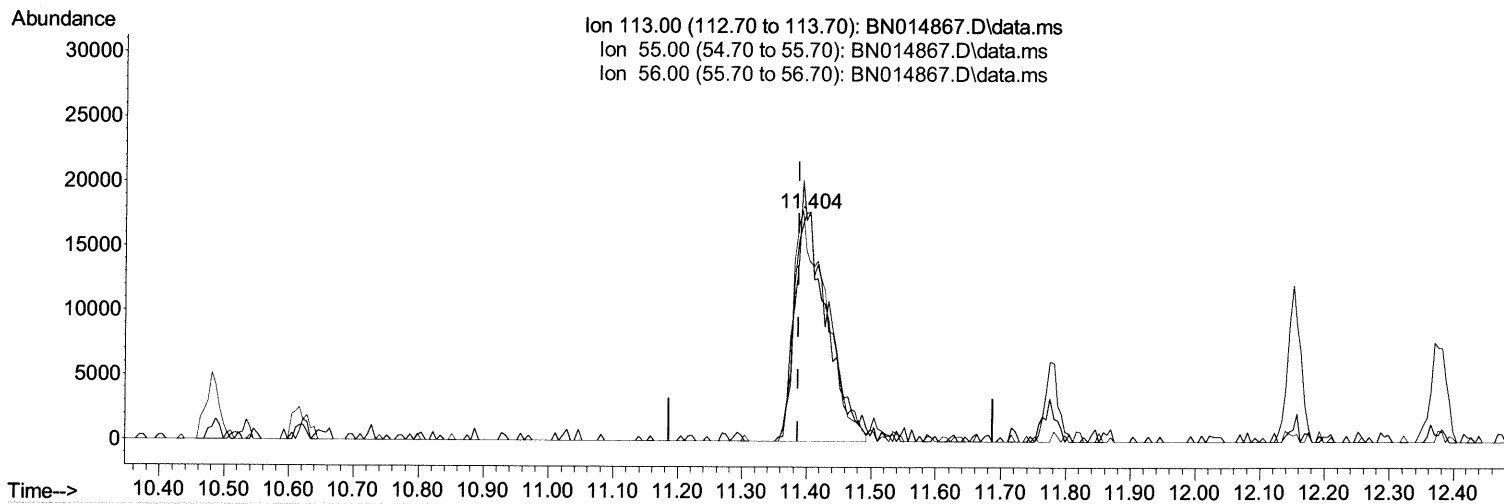
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
 Data File : BN014867.D
 Acq On : 10 Jun 2021 18:25
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration



TIC: BN014867.D\data.ms

(34) Caprolactam

11.404min (+ 0.018) 18.32 ng/ul m JU 6/14/21

response 63373

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	118.50	100.45
56.00	73.20	78.53
0.00	0.00	0.00

Quantitation Report (Qedit)

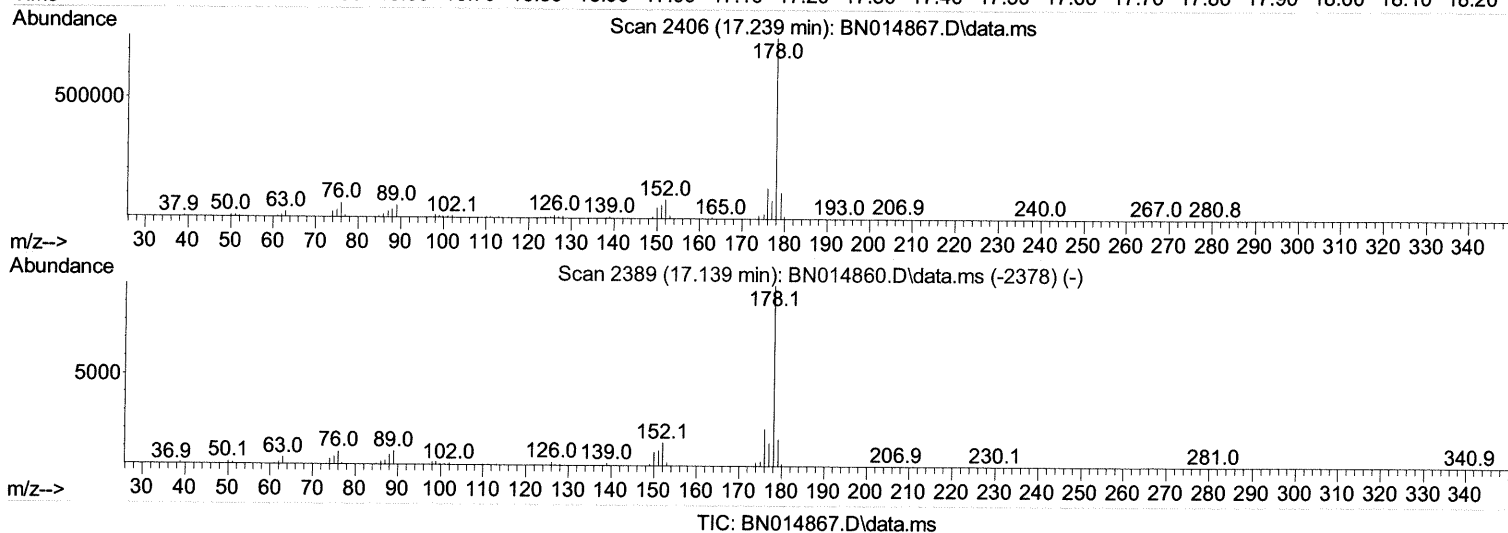
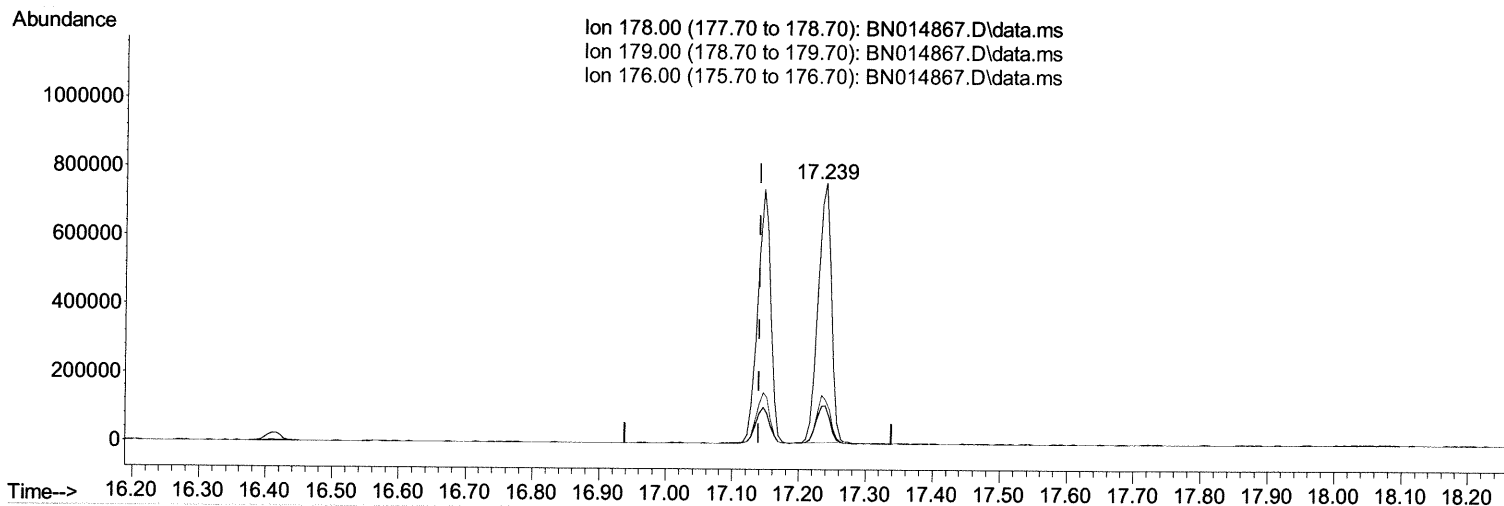
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
 Data File : BN014867.D
 Acq On : 10 Jun 2021 18:25
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration



(72) Phenanthrene

17.239min (+ 0.100) 20.23 ng/ul

response 1037781

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	14.51
176.00	19.20	16.88
0.00	0.00	0.00

Quantitation Report (Qedit)

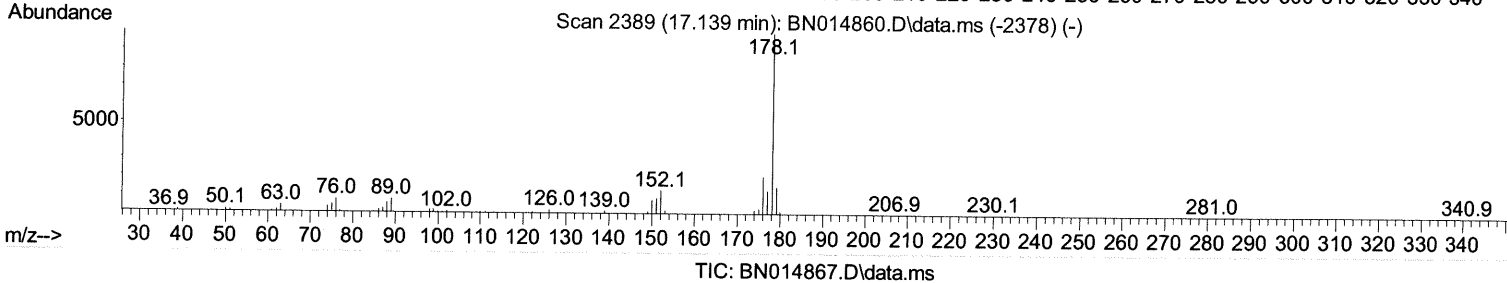
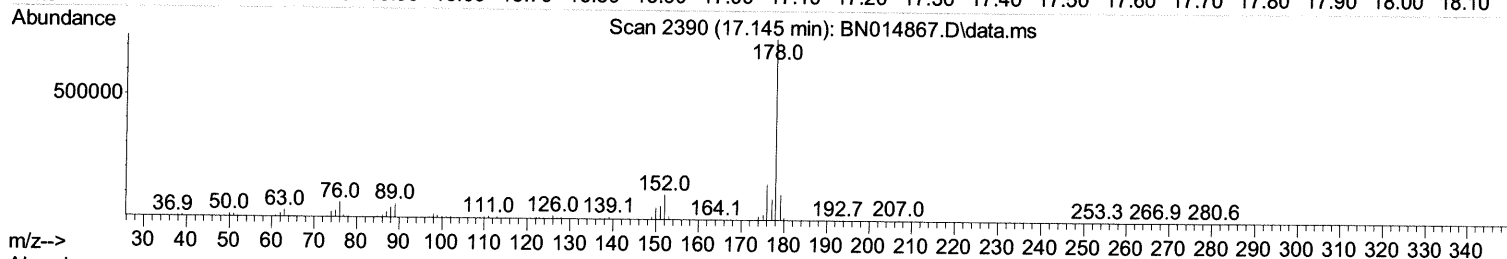
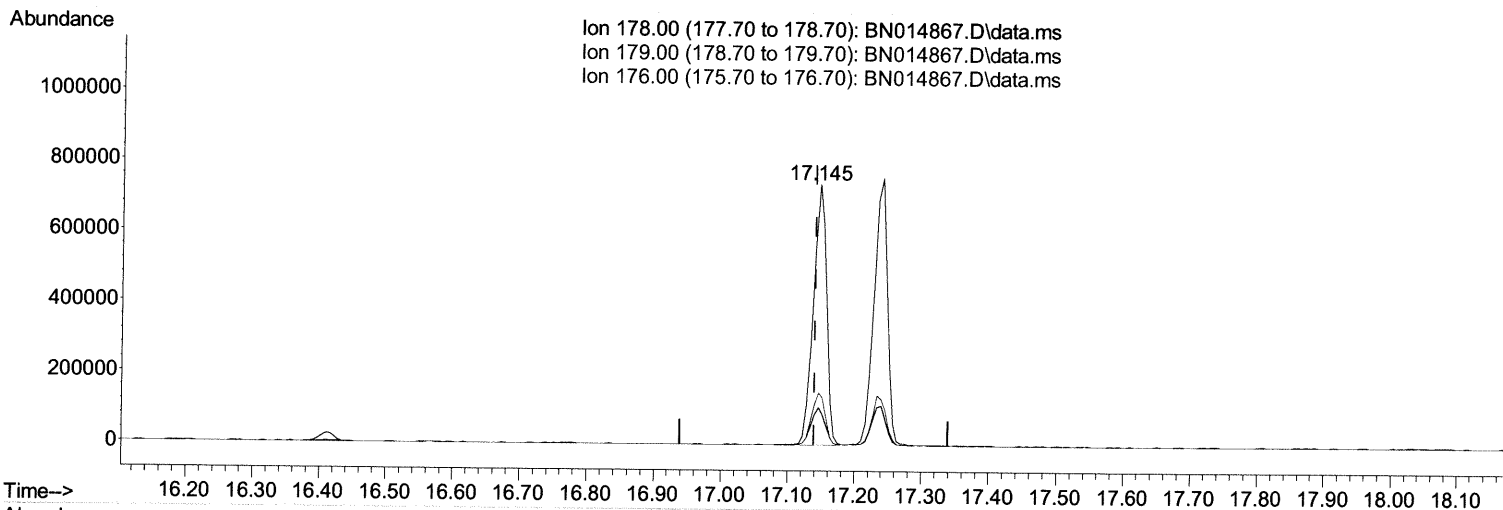
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
 Data File : BN014867.D
 Acq On : 10 Jun 2021 18:25
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration



(72) Phenanthrene

17.145min (+ 0.006) 19.69 ng/ul m JU 6/11/21

response 1010496

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	14.29
176.00	19.20	19.98
0.00	0.00	0.00

Quantitation Report (Qedit)

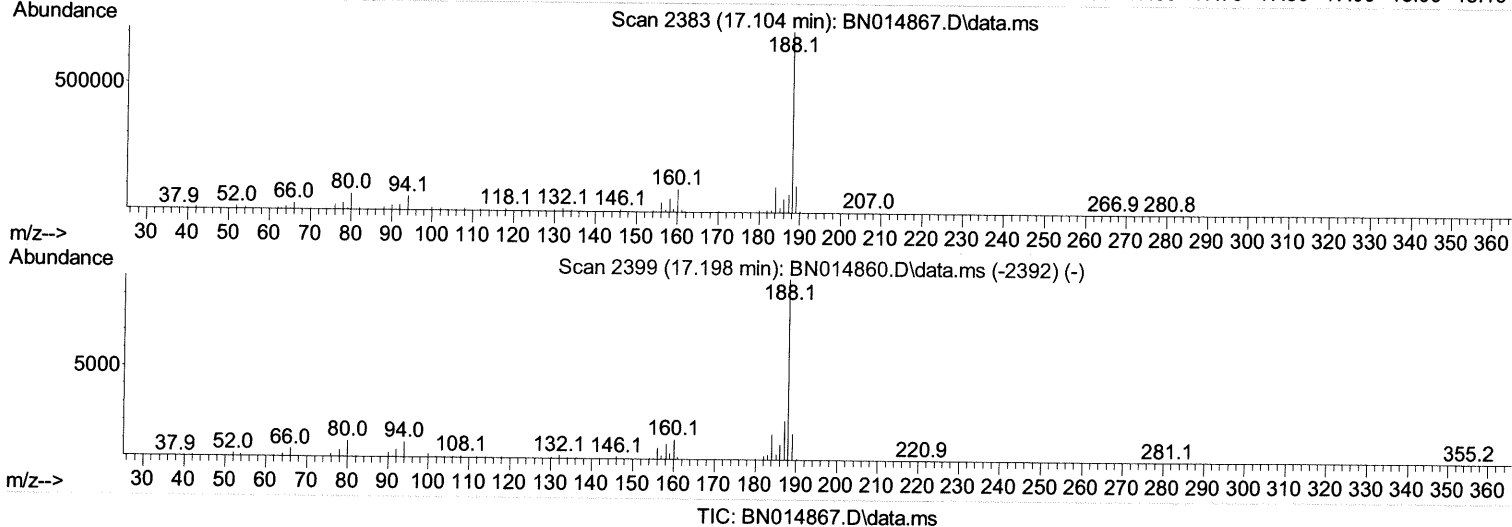
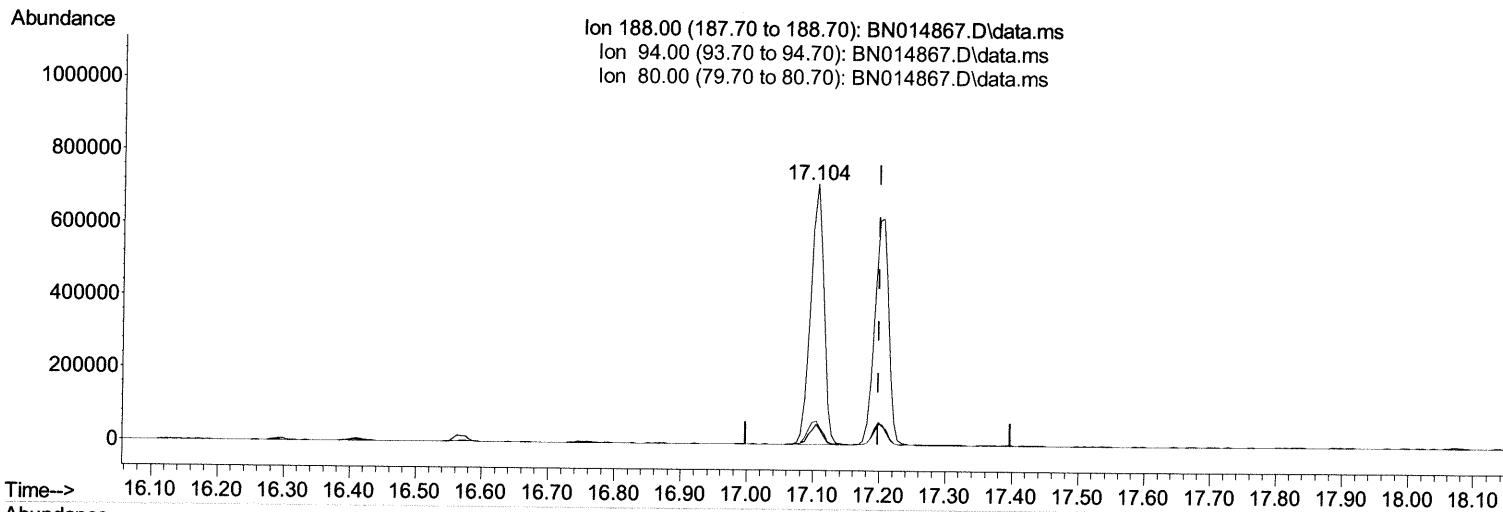
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Data File : BN014867.D
Acq On : 10 Jun 2021 18:25
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual Integrations
APPROVED

mohammad
6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 10 11:55:23 2021
Response via : Initial Calibration



(73) Anthracene-d10 (S)

17.104min (-0.094) 21.41 ng/ul

response 982012

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.40	7.76#
80.00	9.10	8.93
0.00	0.00	0.00

Quantitation Report (Qedit)

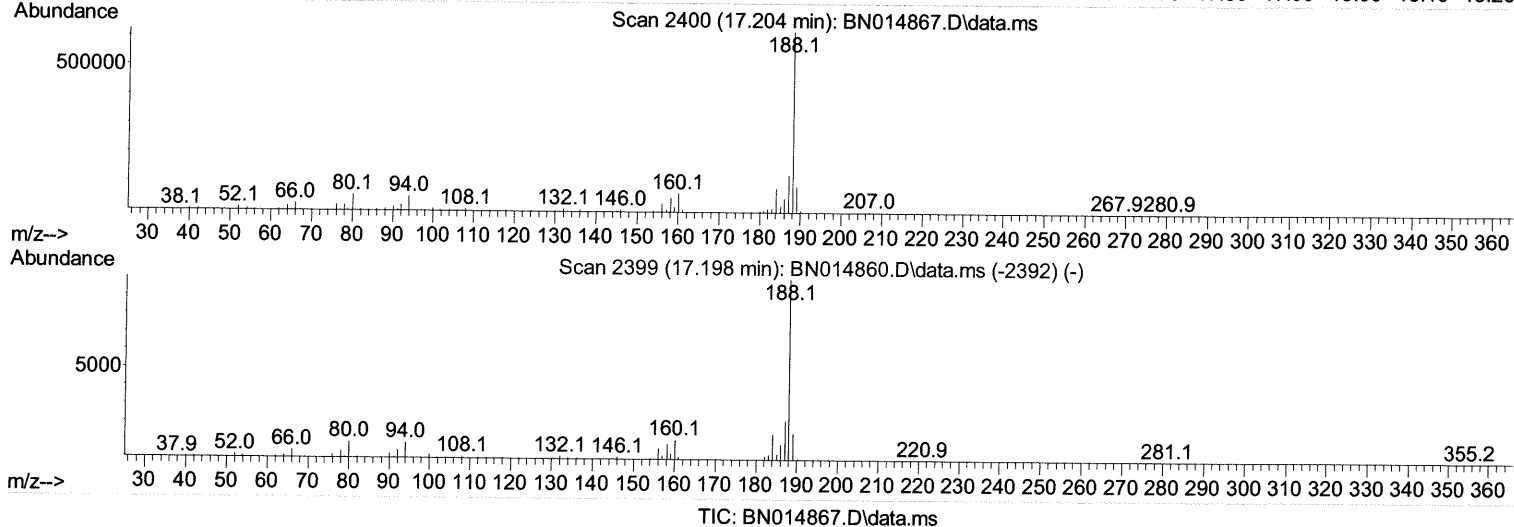
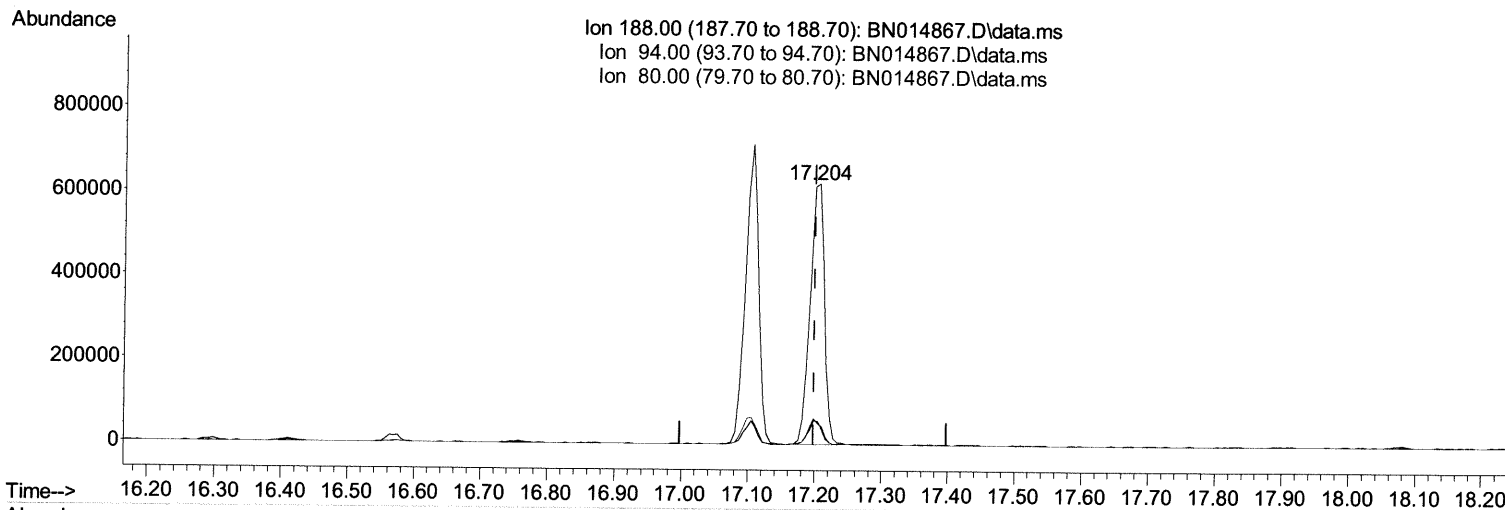
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 Data File : BN014867.D
 Acq On : 10 Jun 2021 18:25
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration



(73) Anthracene-d10 (S)

17.204min (+ 0.006) 20.11 ng/ul m *ju 6/11/21*

response 922598

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.40	7.96#
80.00	9.10	8.78
0.00	0.00	0.00

Quantitation Report (Qedit)

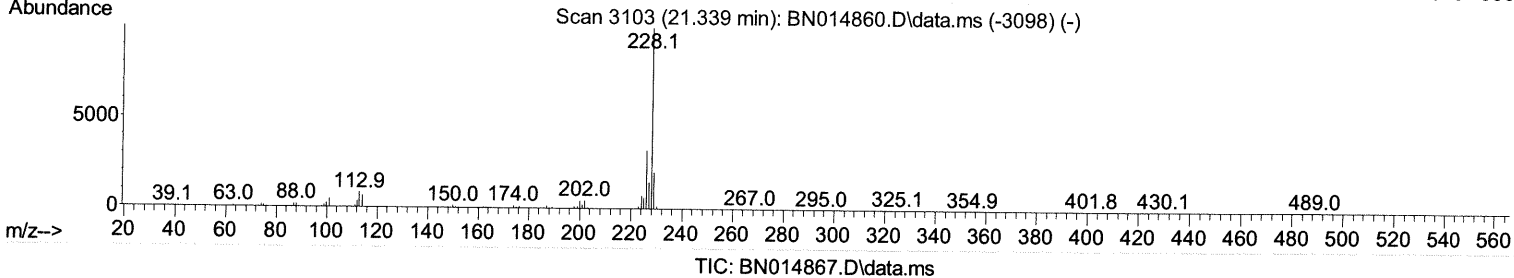
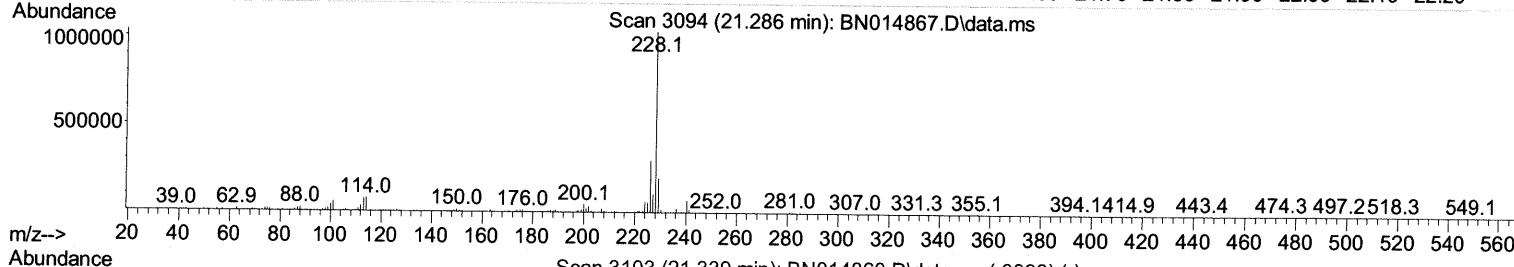
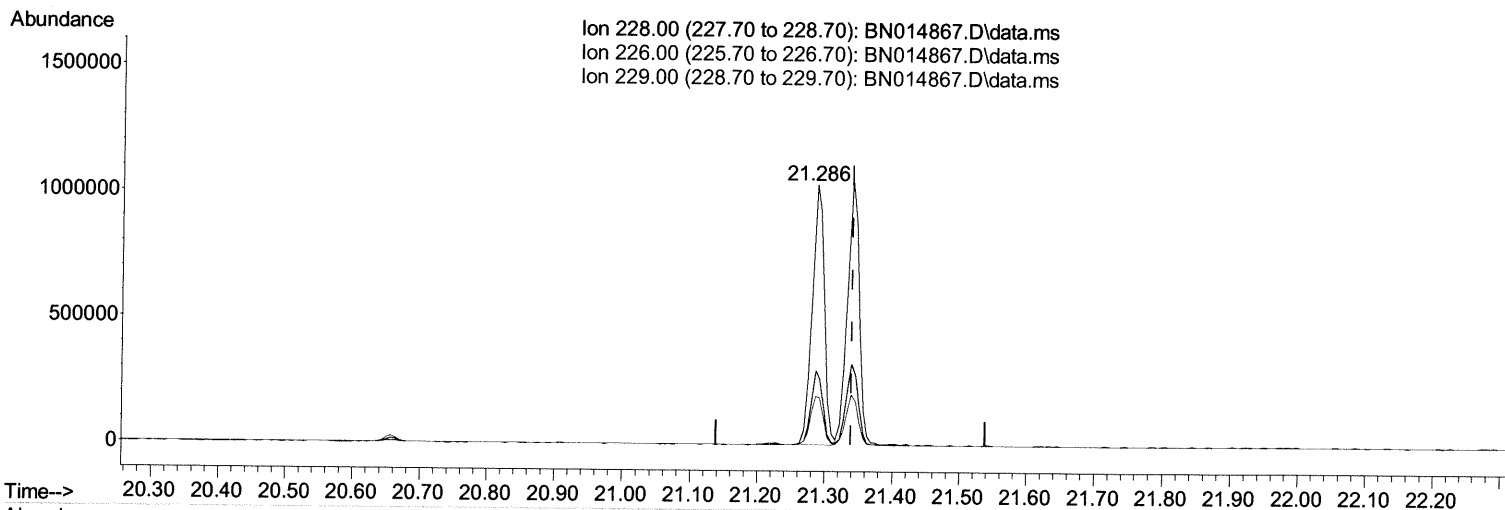
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
 Data File : BN014867.D
 Acq On : 10 Jun 2021 18:25
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration



TIC: BN014867.D\data.ms

(87) Chrysene

21.286min (-0.053) 20.01 ng/ul

response 1310774

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.70	28.71
229.00	18.50	18.87
0.00	0.00	0.00

Quantitation Report (Qedit)

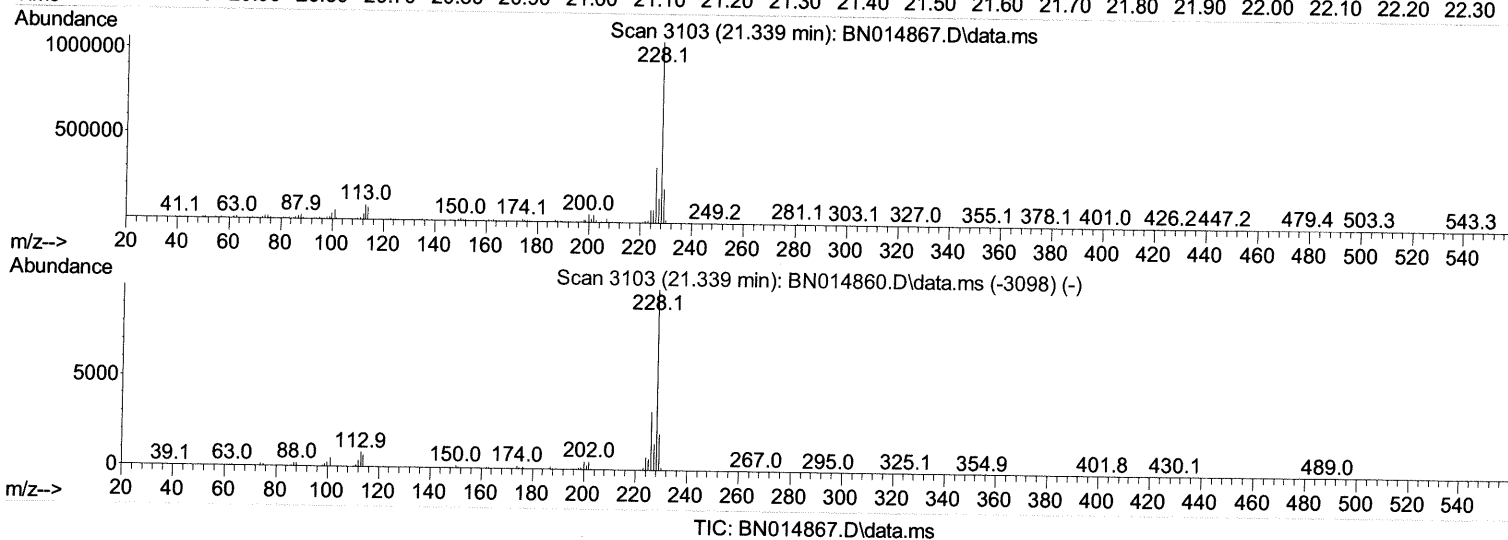
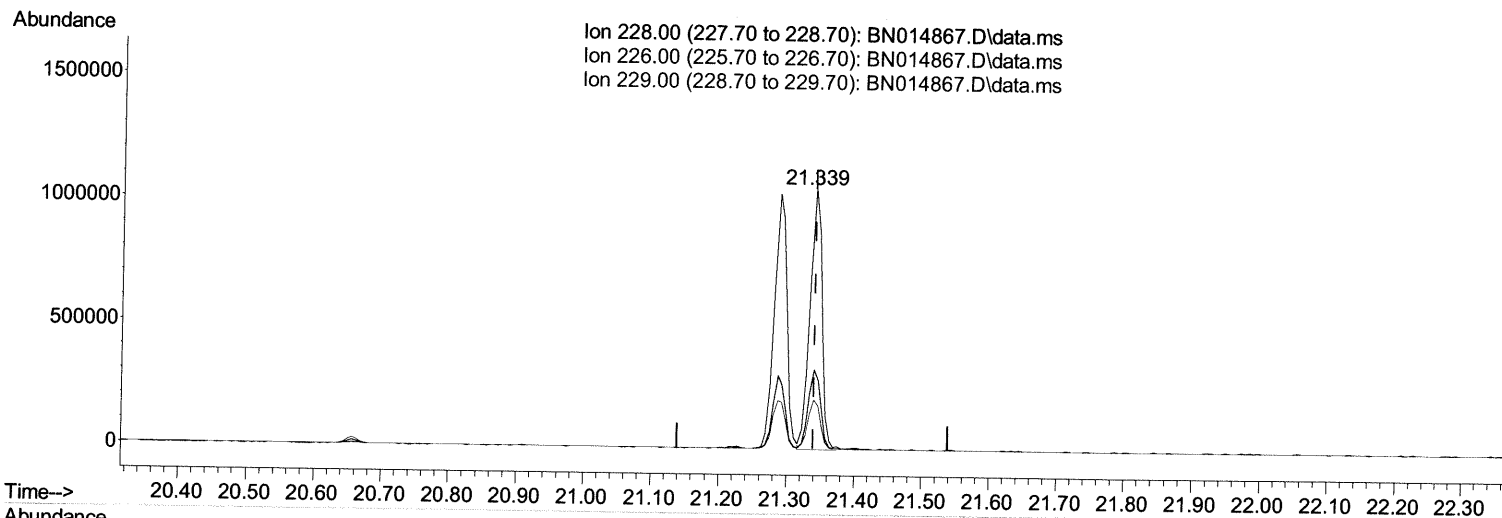
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
Data File : BN014867.D
Acq On : 10 Jun 2021 18:25
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual Integrations
APPROVED

mohammad
6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
Quant Title : SVOA CALIBRATION
Qlast Update : Thu Jun 10 11:55:23 2021
Response via : Initial Calibration



(87) Chrysene

21.339min (0.000) 19.76 ng/ul m

84 6/14/21

response 1294356

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.70	30.57
229.00	18.50	19.08
0.00	0.00	0.00

Quantitation Report (Qedit)

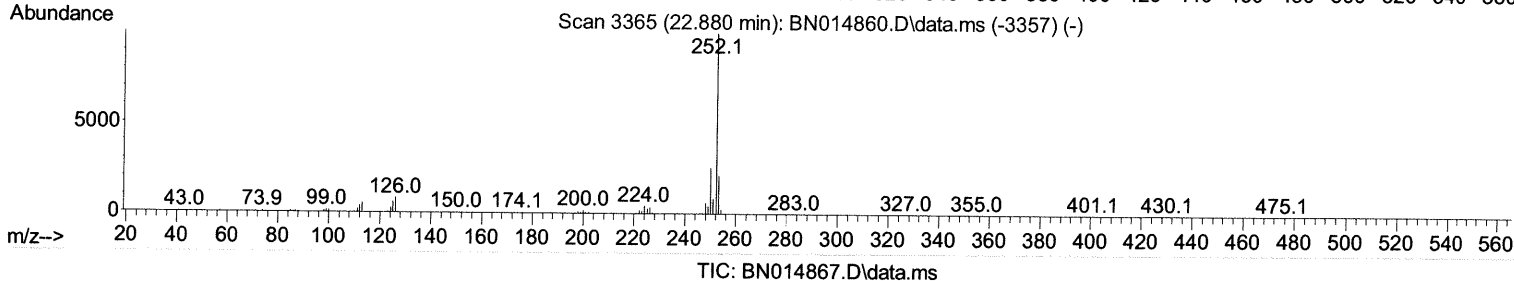
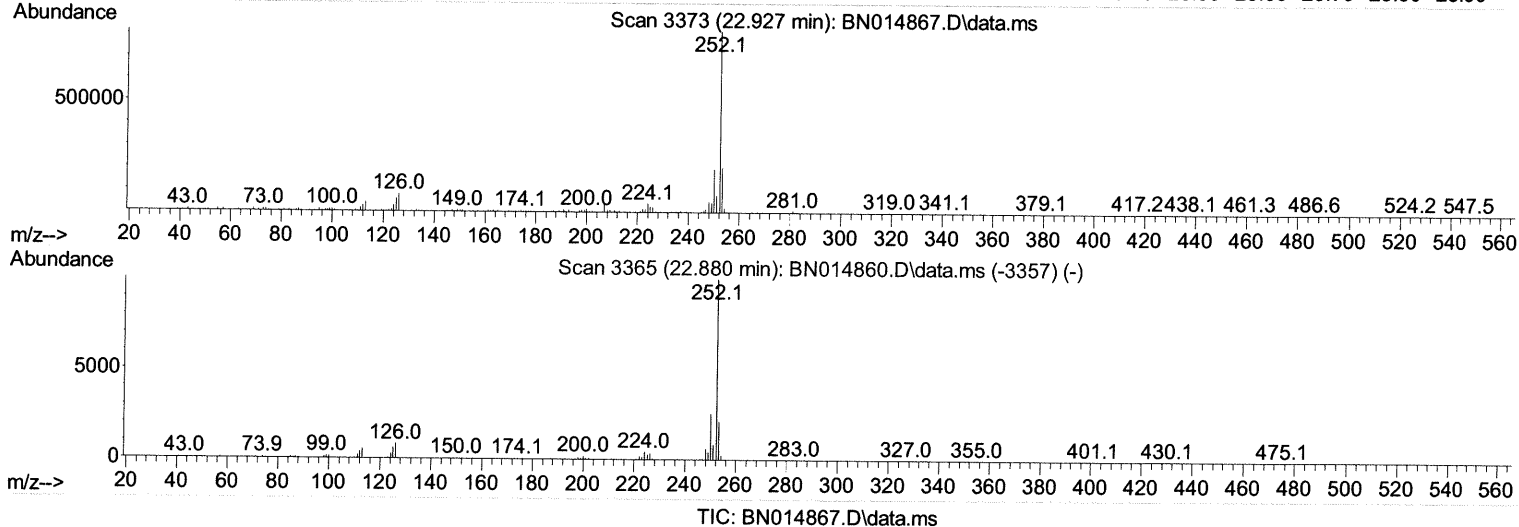
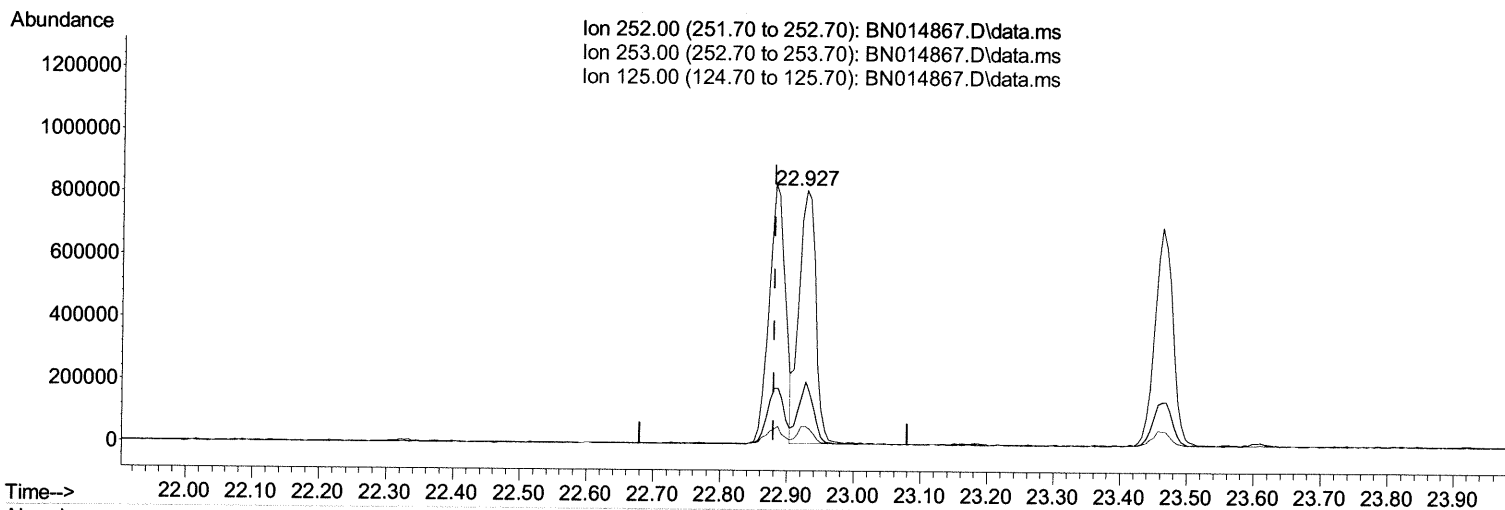
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 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
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Manual Integrations
 APPROVED

mohammad
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 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration



(90) Benzo(b)fluoranthene

22.927min (+ 0.047) 19.83 ng/ul

response 1413968

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	19.80	24.74#
125.00	5.40	7.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

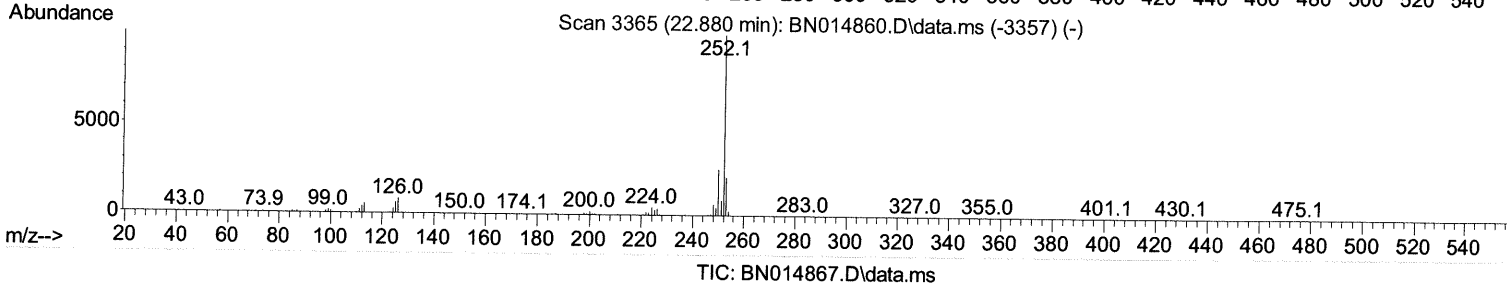
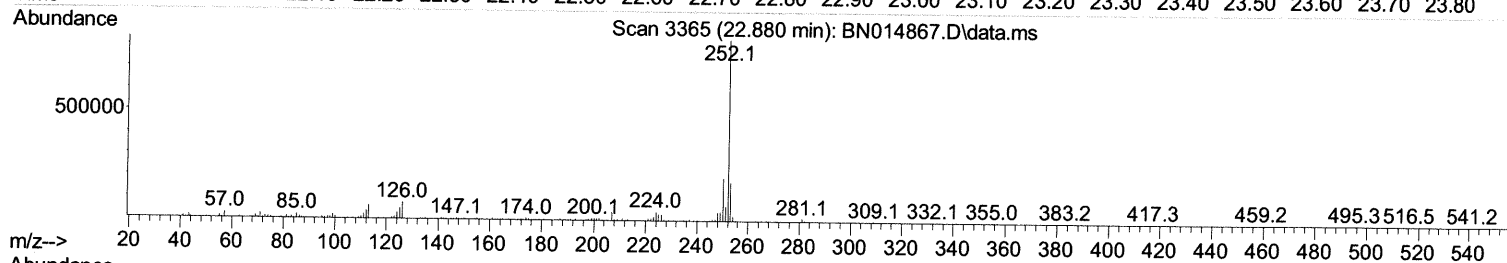
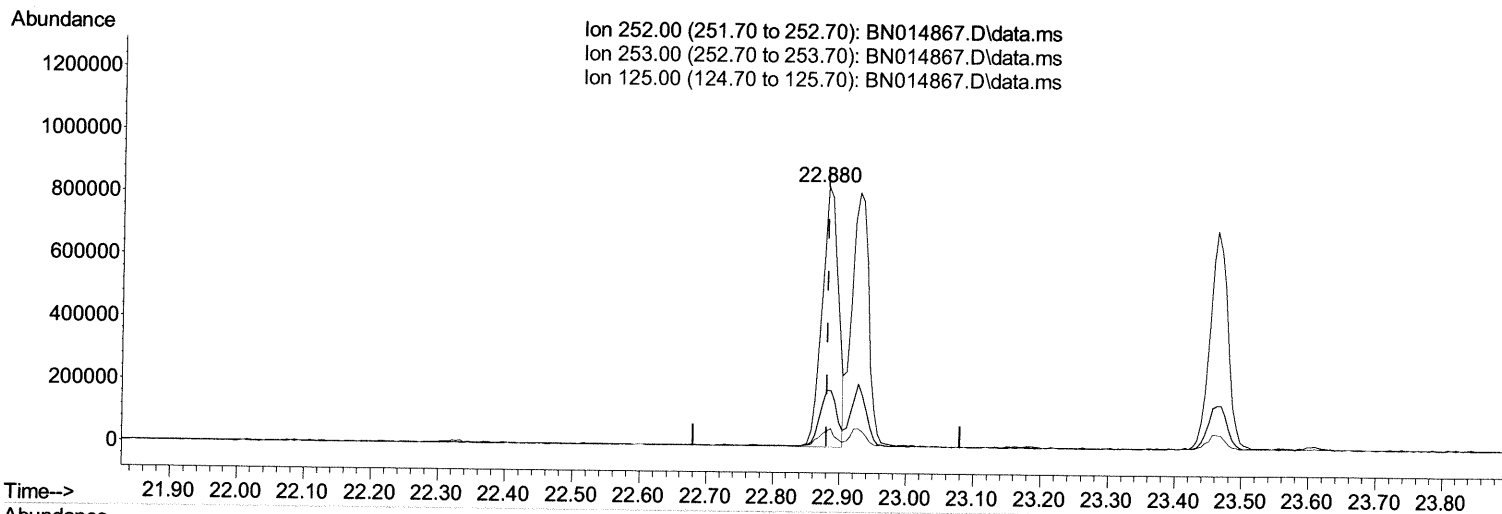
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Data File : BN014867.D
Acq On : 10 Jun 2021 18:25
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual Integrations
APPROVED

mohammad
6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
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Quant Title : SVOA CALIBRATION
Qlast Update : Thu Jun 10 11:55:23 2021
Response via : Initial Calibration



(90) Benzo(b)fluoranthene

22.880min (0.000) 19.88 ng/ul m JU 6/14/21

response 1417720

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	19.80	21.50
125.00	5.40	6.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
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 Operator : CG/JU
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Manual Integrations
 APPROVED

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	149838	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.481	136	604868	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.351	164	420274	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.104	188	982012	20.000	ng/ul	0.00
79) Chrysene-d12	21.304	240	1043644	20.000	ng/ul	0.00
88) Perylene-d12	23.563	264	1188020	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.217	96	28061	7.626	ng/uL	0.00
4) Pyridine-d5	3.622	84	174651	18.847	ng/ul	0.00
7) Phenol-d5	6.875	99	262364	17.882	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.034	67	123490	16.927	ng/ul	0.00
11) 2-Chlorophenol-d4	7.234	132	188069	20.698	ng/ul	0.00
15) 4-Methylphenol-d8	8.404	113	212345	18.615	ng/ul	0.00
21) Nitrobenzene-d5	8.846	128	98340	21.583	ng/ul	0.00
24) 2-Nitrophenol-d4	9.569	143	109572	22.373	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.110	165	223024	19.972	ng/ul	0.00
31) 4-Chloroaniline-d4	10.622	131	250069	18.995	ng/ul	0.01
46) Dimethylphthalate-d6	13.757	166	664411	19.899	ng/ul	0.00
49) Acenaphthylene-d8	14.039	160	813129	21.060	ng/ul	0.00
54) 4-Nitrophenol-d4	14.557	143	94586	17.832	ng/ul	0.00
60) Fluorene-d10	15.345	176	562624	19.556	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.475	200	112967	21.032	ng/ul	0.01
73) Anthracene-d10	17.204	188	922598m	20.112	ng/ul	> 0.00 Ju 6/14/21
81) Pyrene-d10	19.504	212	1121847	22.797	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.415	264	1253515	19.808	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.246	88	30628	7.090	ng/uL#	87
5) Pyridine	3.640	79	170155	17.523	ng/ul#	93
6) Benzaldehyde	6.840	77	169662	21.474	ng/ul	97
8) Phenol	6.899	94	261503	17.322	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.128	93	202793	17.404	ng/ul	95
12) 2-Chlorophenol	7.263	128	205262	21.583	ng/ul	90
13) 2-Methylphenol	8.140	108	207412	18.708	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.222	45	127403m	17.332	ng/ul	> Ju 6/14/21
16) Acetophenone	8.516	105	344359	18.237	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.499	70	166586	18.315	ng/ul#	87
18) 4-Methylphenol	8.463	108	216263	17.885	ng/ul	99
19) Hexachloroethane	8.769	117	102344	21.494	ng/ul	85
22) Nitrobenzene	8.893	77	259409	18.243	ng/ul	94
23) Isophorone	9.410	82	468672	17.357	ng/ul	95
25) 2-Nitrophenol	9.599	139	116527	22.389	ng/ul#	87
26) 2,4-Dimethylphenol	9.663	107	295649	18.453	ng/ul	94
27) Bis(2-Chloroethoxy)met...	9.899	93	266638	16.252	ng/ul#	92
29) 2,4-Dichlorophenol	10.134	162	205738	19.211	ng/ul	95
30) Naphthalene	10.534	128	632589	19.241	ng/ul	98
32) 4-Chloroaniline	10.646	127	267185	19.070	ng/ul	99
33) Hexachlorobutadiene	10.822	225	187280	19.557	ng/ul	96
34) Caprolactam	11.404	113	63373m	18.315	ng/ul	> Ju 6/14/21
35) 4-Chloro-3-methylphenol	11.781	107	273928	17.651	ng/ul	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061021\
 Data File : BN014867.D
 Acq On : 10 Jun 2021 18:25
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:13:14 PM

Quant Time: Jun 10 18:57:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN052521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 10 11:55:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.151	142	471891	19.256	ng/ul	96
37) 1-Methylnaphthalene	12.375	142	465590	19.324	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.528	216	307739	19.366	ng/ul#	97
40) Hexachlorocyclopentadiene	12.510	237	250832	23.828	ng/ul	95
41) 2,4,6-Trichlorophenol	12.769	196	182423	20.444	ng/ul	95
42) 2,4,5-Trichlorophenol	12.845	196	189174	19.426	ng/ul	95
43) 1,1'-Biphenyl	13.175	154	612796	20.382	ng/ul	92
44) 2-Chloronaphthalene	13.216	162	494391	20.522	ng/ul	99
45) 2-Nitroaniline	13.422	65	144789	19.733	ng/ul	94
47) Dimethylphthalate	13.804	163	656096	19.866	ng/ul	99
48) 2,6-Dinitrotoluene	13.928	165	136576	22.254	ng/ul	87
50) Acenaphthylene	14.069	152	747962	21.070	ng/ul	96
51) 3-Nitroaniline	14.257	138	118098	19.832	ng/ul#	80
52) Acenaphthene	14.416	153	524348	20.385	ng/ul	97
53) 2,4-Dinitrophenol	14.463	184	113833	25.547	ng/ul	98
55) 4-Nitrophenol	14.575	109	140598	13.827	ng/ul	96
56) Dibenzofuran	14.751	168	762634	19.931	ng/ul#	83
57) 2,4-Dinitrotoluene	14.716	165	205913	21.054	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	14.981	232	189518	18.919	ng/ul#	88
59) Diethylphthalate	15.181	149	656251	20.670	ng/ul	96
61) Fluorene	15.404	166	596652	20.726	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.398	204	340395	19.986	ng/ul#	88
63) 4-Nitroaniline	15.422	138	124223	20.537	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.486	198	107262	20.413	ng/ul#	88
67) N-Nitrosodiphenylamine	15.616	169	561197	21.217	ng/ul	97
68) 4-Bromophenyl-phenylether	16.298	248	224987	17.594	ng/ul#	84
69) Hexachlorobenzene	16.416	284	308636	19.293	ng/ul	97
70) Atrazine	16.569	200	234965	21.483	ng/ul	92
71) Pentachlorophenol	16.757	266	158118	17.167	ng/ul	98
72) Phenanthrene	17.145	178	1010496m	19.694	ng/ul	96
74) Anthracene	17.239	178	1037781	20.068	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.140	216	333271	20.538	ng/ul	91
76) Pentachlorobenzene	14.675	250	339010	20.200	ng/ul	98
77) Carbazole	17.504	167	888200	20.379	ng/ul	97
78) Di-n-butylphthalate	18.080	149	1145879	22.312	ng/ul#	97
80) Fluoranthene	19.169	202	1274220	21.959	ng/ul	99
82) Pyrene	19.533	202	1334845	22.369	ng/ul	98
83) Butylbenzylphthalate	20.445	149	537964	26.830	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.221	252	484107	24.603	ng/ul#	89
85) Benzo(a)anthracene	21.286	228	1310774	20.149	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.227	149	742533	25.692	ng/ul	99
87) Chrysene	21.339	228	1294356m	19.757	ng/ul	96
89) Di-n-octyl phthalate	22.110	149	1402575	26.685	ng/ul	100
90) Benzo(b)fluoranthene	22.880	252	1417720m	19.885	ng/ul	93
91) Benzo(k)fluoranthene	22.927	252	1413968	19.905	ng/ul	94
93) Benzo(a)pyrene	23.463	252	1286595	19.940	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.845	276	1749114	19.785	ng/ul	99
95) Dibenzo(a,h)anthracene	25.857	278	1432801	19.584	ng/ul	99
96) Benzo(g,h,i)perylene	26.545	276	1478567	18.897	ng/ul	93

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