

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061221\
 Data File : BN014888.D
 Acq On : 12 Jun 2021 11:13
 Operator : CG/JU
 Sample : SST02053
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST020053

Manual Integrations
 APPROVED

mohammad
 6/14/2021 5:49:21 PM

Quant Time: Jun 14 01:50:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061221MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 14 01:48:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	100581	20.00	ng/ul	0.00
20) Naphthalene-d8	10.475	136	395763	20.00	ng/ul	# 0.00
38) Acenaphthene-d10	14.339	164	291179	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.098	188	669733	20.00	ng/ul	# 0.00
79) Chrysene-d12	21.298	240	802572	20.00	ng/ul	0.00
88) Perylene-d12	23.551	264	933918	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	13541	5.48	ng/uL	0.00
4) Pyridine-d5	3.611	84	82167	13.21	ng/ul	0.00
7) Phenol-d5	6.863	99	153493	15.59	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	71882	14.68	ng/ul	0.00
11) 2-Chlorophenol-d4	7.222	132	119510	19.59	ng/ul	0.00
15) 4-Methylphenol-d8	8.399	113	128213	16.74	ng/ul	0.00
21) Nitrobenzene-d5	8.840	128	62508	20.97	ng/ul	0.00
24) 2-Nitrophenol-d4	9.563	143	66177	20.65	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.099	165	138592	18.97	ng/ul	0.00
31) 4-Chloroaniline-d4	10.610	131	160206	18.60	ng/ul	0.00
46) Dimethylphthalate-d6	13.751	166	459249	19.85	ng/ul	0.00
49) Acenaphthylene-d8	14.034	160	505329	18.89	ng/ul	0.00
54) 4-Nitrophenol-d4	14.557	143	61725	16.80	ng/ul	0.00
60) Fluorene-d10	15.339	176	377470	18.94	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	76074	20.77	ng/ul	0.00
73) Anthracene-d10	17.192	188	618696	19.78	ng/ul	0.00
81) Pyrene-d10	19.498	212	767385	20.28	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.410	264	985941	19.82	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	14489	5.00	ng/uL#	94
5) Pyridine	3.622	79	85865	13.17	ng/ul#	75
6) Benzaldehyde	6.834	77	77267	14.57	ng/ul	93
8) Phenol	6.893	94	151751	14.97	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.116	93	112255	14.35	ng/ul	96
12) 2-Chlorophenol	7.252	128	123654	19.37	ng/ul	88
13) 2-Methylphenol	8.134	108	116820	15.70	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.210	45	74755m	15.15	ng/ul	
16) Acetophenone	8.505	105	220002	17.36	ng/ul	89
17) N-Nitroso-di-n-propyla...	8.493	70	96655	15.83	ng/ul#	88
18) 4-Methylphenol	8.457	108	127305	15.68	ng/ul	93
19) Hexachloroethane	8.763	117	57863	18.10	ng/ul#	80
22) Nitrobenzene	8.881	77	162864	17.50	ng/ul#	92
23) Isophorone	9.404	82	293474	16.61	ng/ul#	96
25) 2-Nitrophenol	9.593	139	69084	20.29	ng/ul	91
26) 2,4-Dimethylphenol	9.657	107	188975	18.03	ng/ul	91
27) Bis(2-Chloroethoxy)met...	9.893	93	156607	14.59	ng/ul	100
29) 2,4-Dichlorophenol	10.128	162	136191	19.44	ng/ul	91
30) Naphthalene	10.522	128	404756	18.82	ng/ul	98
32) 4-Chloroaniline	10.634	127	152867	16.68	ng/ul	98
33) Hexachlorobutadiene	10.816	225	129106	20.61	ng/ul	93
34) Caprolactam	11.393	113	41021m	18.12	ng/ul	
35) 4-Chloro-3-methylphenol	11.769	107	177297	17.46	ng/ul	96
36) 2-Methylnaphthalene	12.145	142	292561	18.25	ng/ul	94

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37) 1-Methylnaphthalene	12.369	142	293765	18.63	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.522	216	213275	19.37	ng/ul	91
40) Hexachlorocyclopentadiene	12.498	237	151228	20.73	ng/ul	88
41) 2,4,6-Trichlorophenol	12.763	196	121484	19.65	ng/ul	86
42) 2,4,5-Trichlorophenol	12.840	196	129340	19.17	ng/ul	96
43) 1,1'-Biphenyl	13.169	154	402476	19.32	ng/ul#	93
44) 2-Chloronaphthalene	13.204	162	319204	19.12	ng/ul	99
45) 2-Nitroaniline	13.416	65	90907	17.88	ng/ul	94
47) Dimethylphthalate	13.798	163	442121	19.32	ng/ul	98
48) 2,6-Dinitrotoluene	13.916	165	85313	20.06	ng/ul	94
50) Acenaphthylene	14.063	152	456987	18.58	ng/ul	97
51) 3-Nitroaniline	14.245	138	67599	16.38	ng/ul	78
52) Acenaphthene	14.404	153	343606	19.28	ng/ul	95
53) 2,4-Dinitrophenol	14.463	184	38168	12.36	ng/ul	95
55) 4-Nitrophenol	14.569	109	101809	14.45	ng/ul#	91
56) Dibenzofuran	14.745	168	494602	18.66	ng/ul#	76
57) 2,4-Dinitrotoluene	14.710	165	127926	18.88	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	14.975	232	122383	17.63	ng/ul#	68
59) Diethylphthalate	15.175	149	445092	20.23	ng/ul	96
61) Fluorene	15.392	166	400543	20.08	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.392	204	223053	18.90	ng/ul#	81
63) 4-Nitroaniline	15.416	138	66531m	15.88	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.475	198	75577	21.09	ng/ul#	93
67) N-Nitrosodiphenylamine	15.610	169	351254	19.47	ng/ul	94
68) 4-Bromophenyl-phenylether	16.292	248	171530	19.67	ng/ul#	88
69) Hexachlorobenzene	16.404	284	203561	18.66	ng/ul	98
70) Atrazine	16.563	200	162032	21.72	ng/ul	97
71) Pentachlorophenol	16.751	266	90502	14.41	ng/ul#	86
72) Phenanthrene	17.139	178	676844	19.34	ng/ul	98
74) Anthracene	17.228	178	687051	19.48	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.134	216	202408	18.29	ng/uL	90
76) Pentachlorobenzene	14.663	250	217384	18.99	ng/uL	88
77) Carbazole	17.504	167	574194	19.32	ng/ul	98
78) Di-n-butylphthalate	18.075	149	729655	20.83	ng/ul	98
80) Fluoranthene	19.163	202	872105	19.54	ng/ul#	95
82) Pyrene	19.527	202	914373	19.93	ng/ul#	94
83) Butylbenzylphthalate	20.439	149	347332	22.53	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.221	252	312983	20.68	ng/ul	91
85) Benzo(a)anthracene	21.280	228	998657	19.96	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.221	149	523810	23.57	ng/ul	97
87) Chrysene	21.333	228	965497	19.16	ng/ul	100
89) Di-n-octyl phthalate	22.104	149	968100	23.43	ng/ul	100
90) Benzo(b)fluoranthene	22.874	252	1114802	19.89	ng/ul#	96
91) Benzo(k)fluoranthene	22.921	252	1058874	18.96	ng/ul	95
93) Benzo(a)pyrene	23.457	252	1017356	20.06	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	25.821	276	1302764	18.75	ng/ul	98
95) Dibenzo(a,h)anthracene	25.839	278	1095706	19.05	ng/ul	98
96) Benzo(g,h,i)perylene	26.521	276	1140329m	18.54	ng/ul	

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

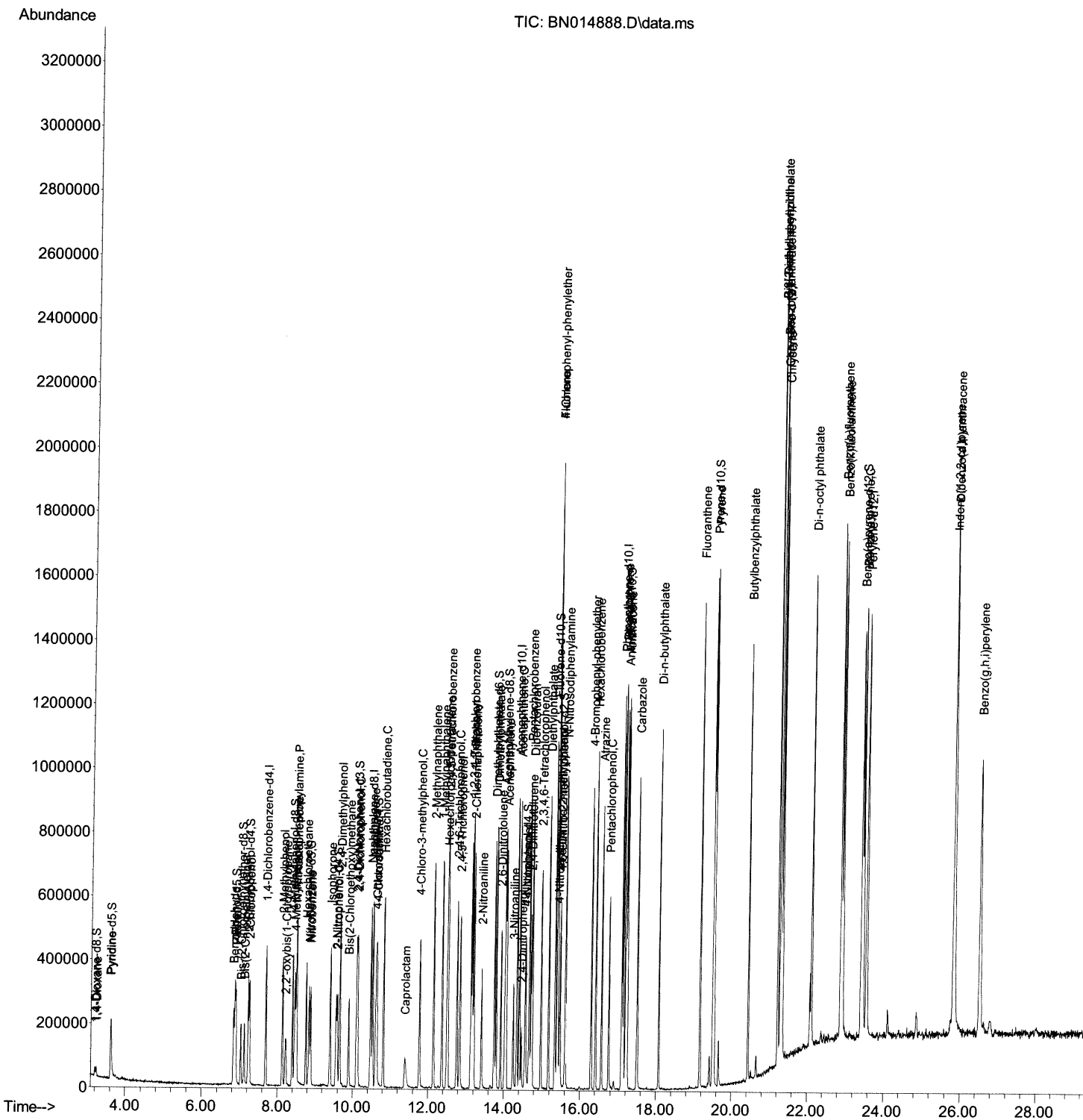
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Quantitation Report(Qedit)

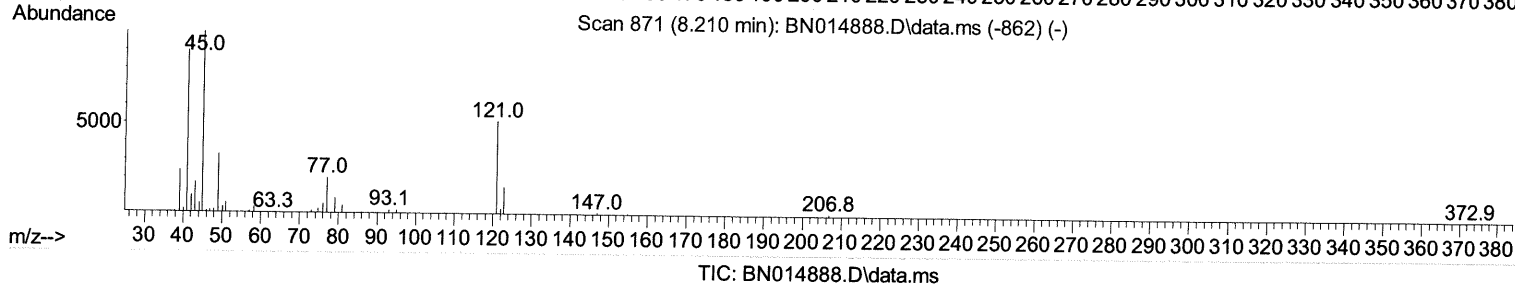
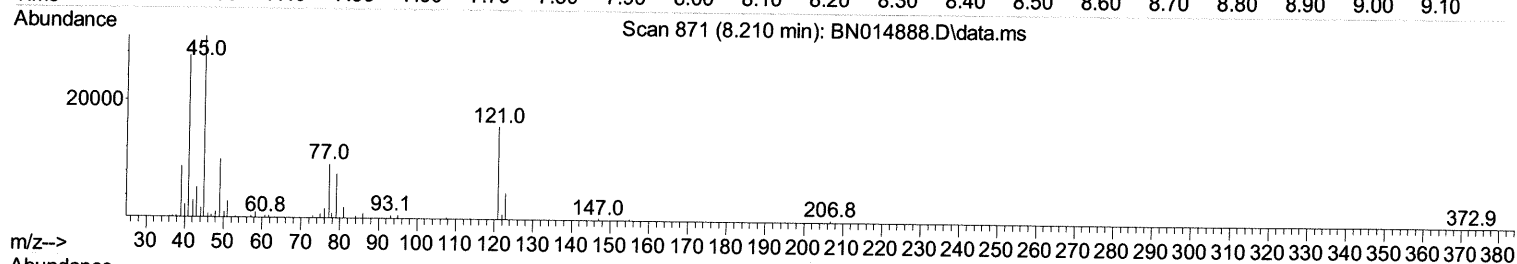
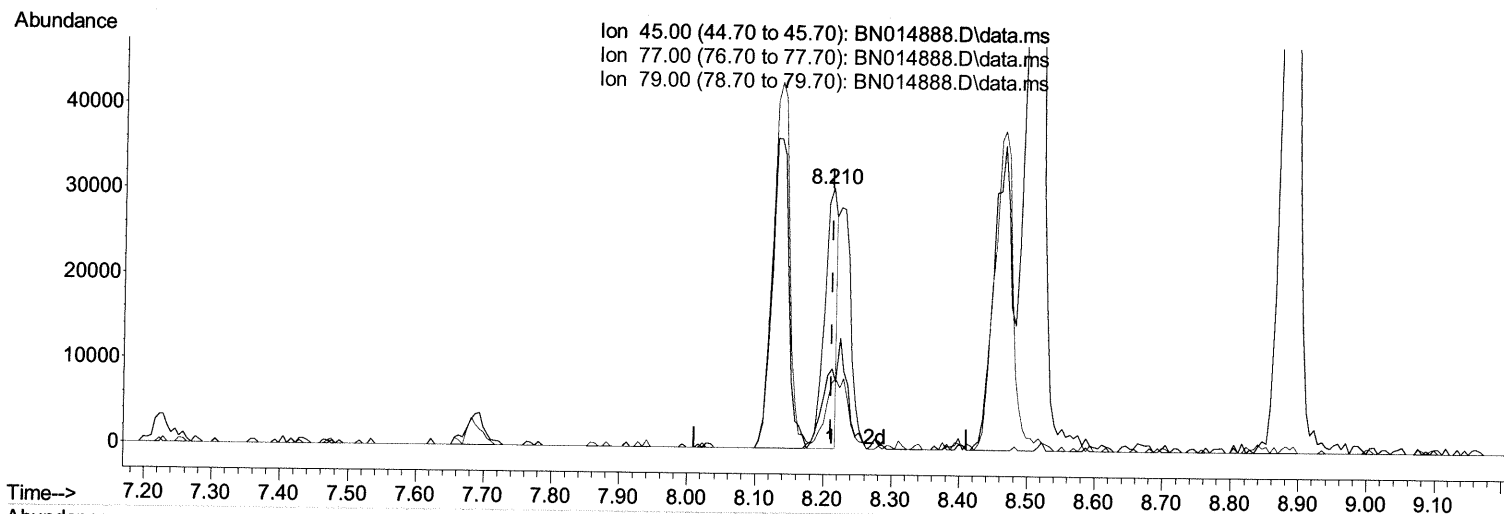
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(14) 2,2'-oxybis(1-Chloropropane)

8.210min (0.000) 8.16 ng/ul

response 40282

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	32.30	30.54
79.00	26.80	25.20
0.00	0.00	0.00

Quantitation Report (Qedit)

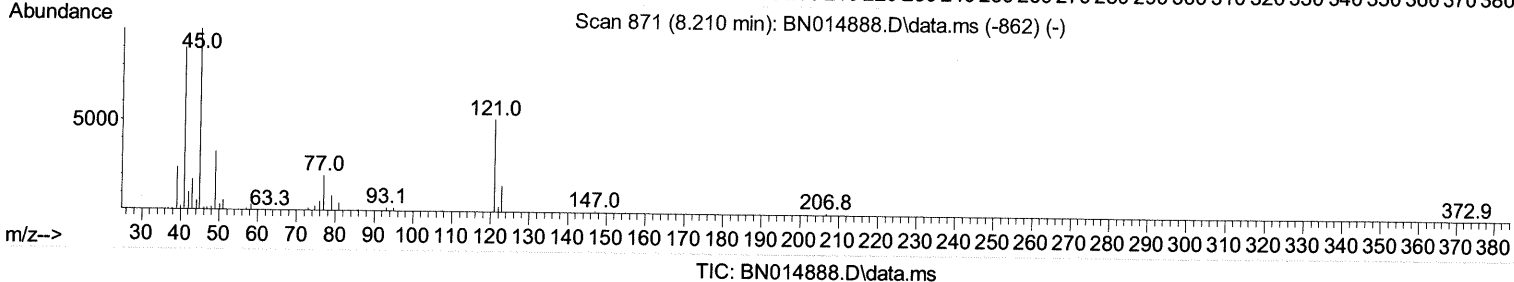
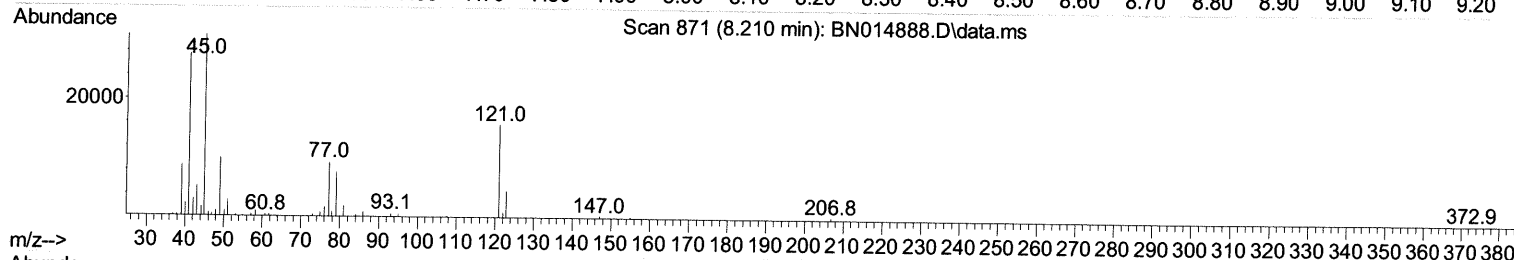
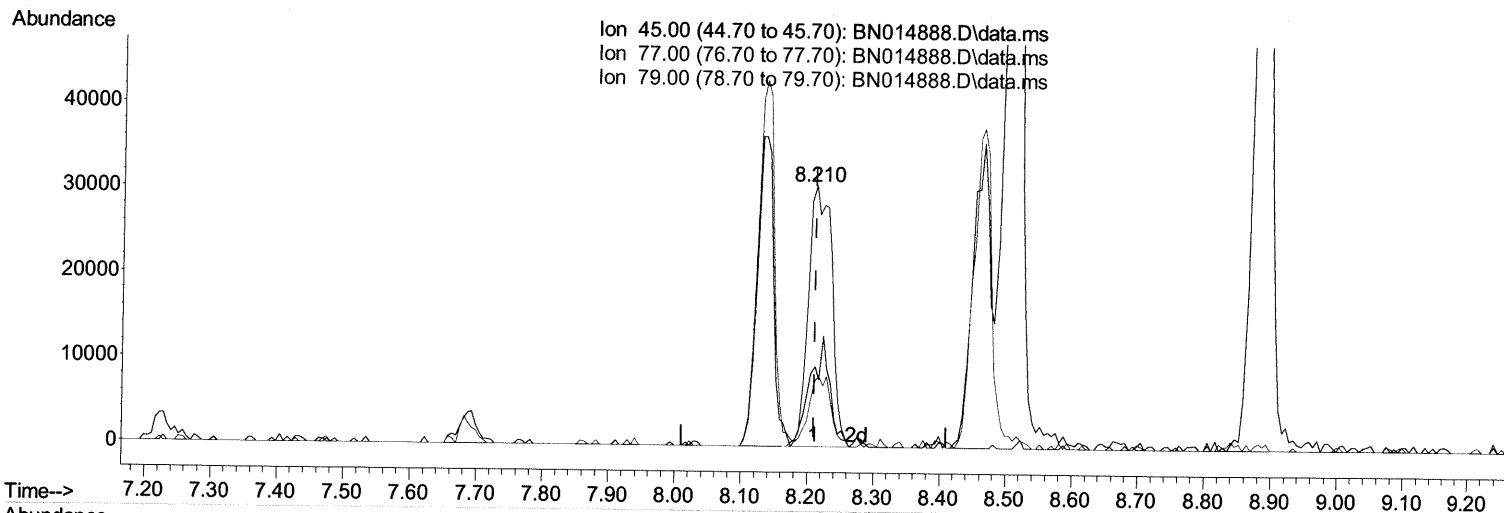
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(14) 2,2'-oxybis(1-Chloropropane)

8.210min (0.000) 15.15 ng/ul m 06/16/21 JU

response 74755

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	32.30	30.54
79.00	26.80	25.20
0.00	0.00	0.00

Quantitation Report (Qedit)

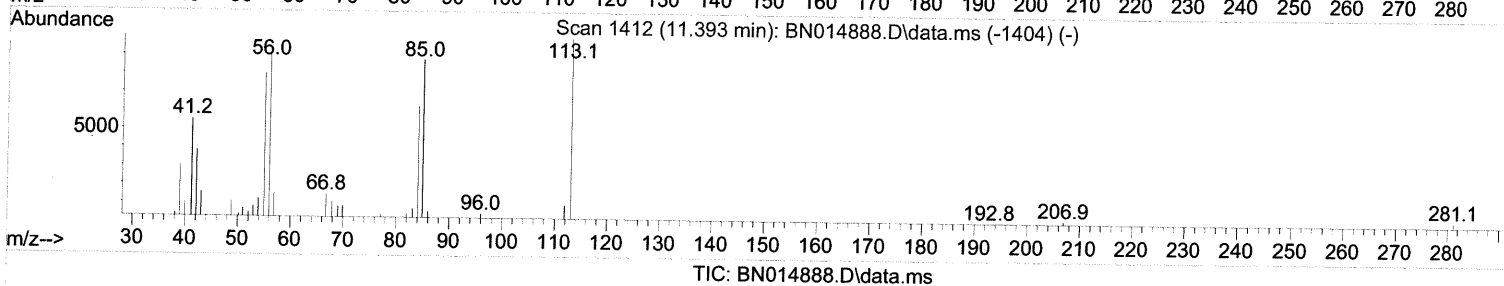
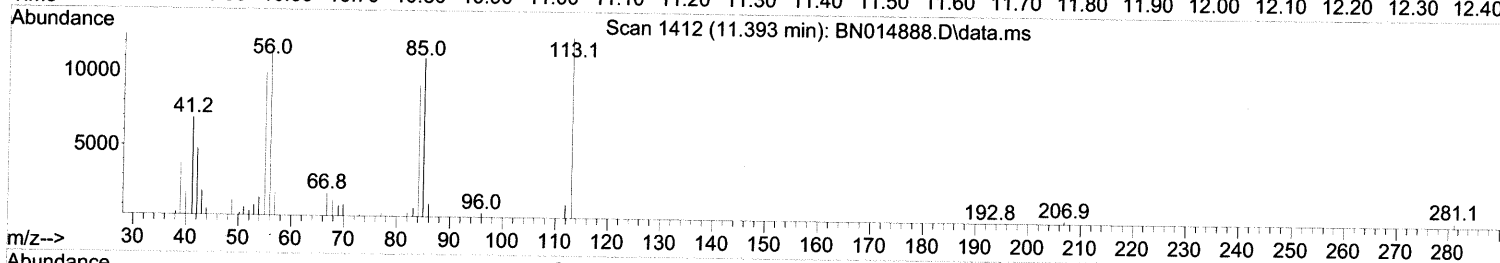
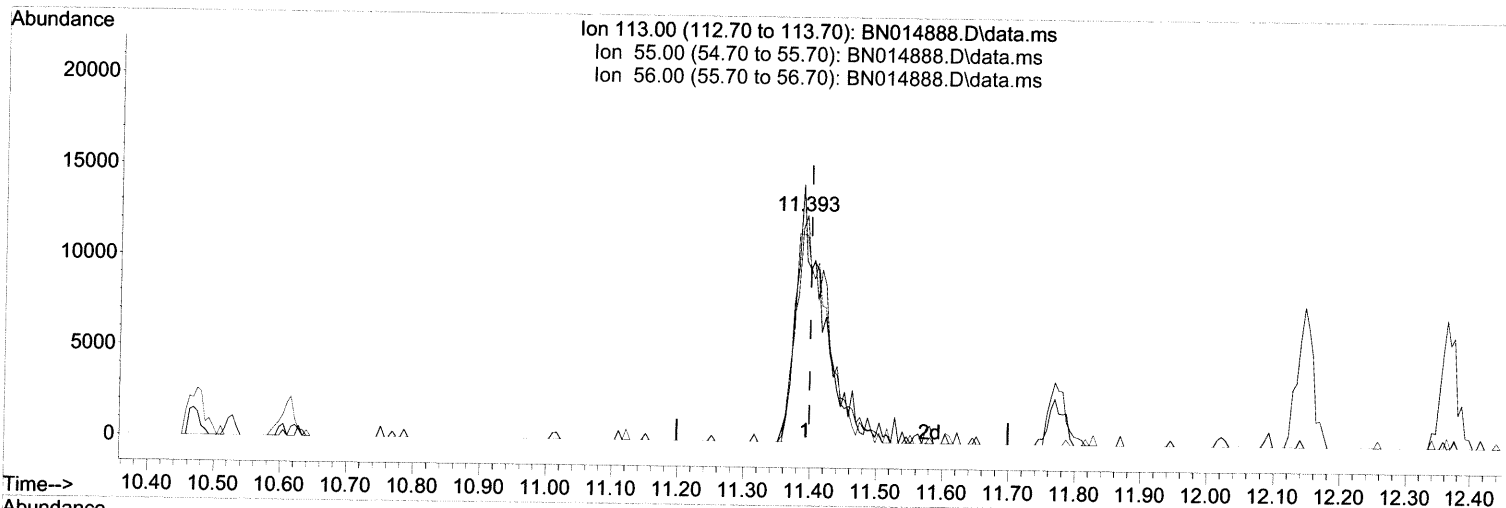
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Manual Integrations
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Quant Time: Jun 15 06:42:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061221MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 14 10:46:06 2021
 Response via : Initial Calibration



(34) Caprolactam

11.393min (-0.006) 12.63 ng/ul

response 25141

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	118.50	80.05#
56.00	73.20	91.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

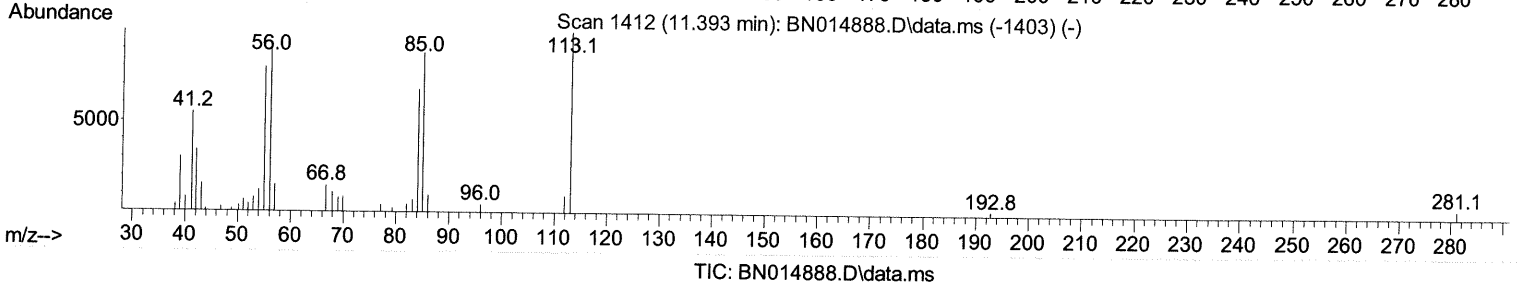
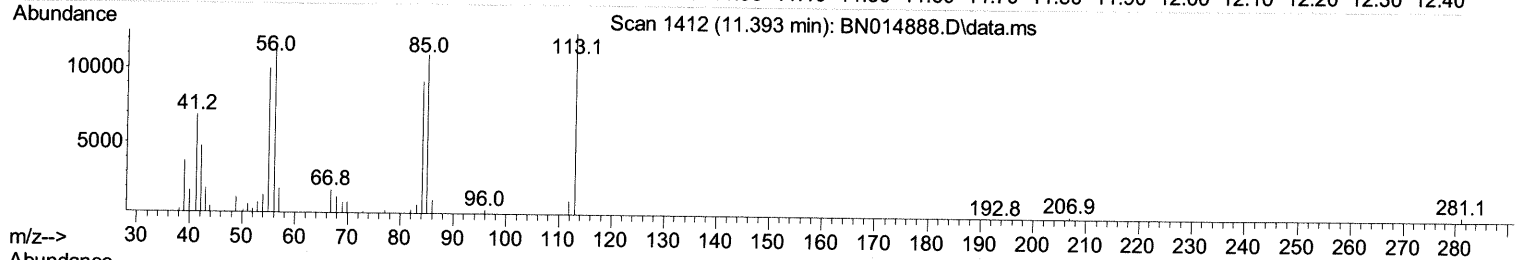
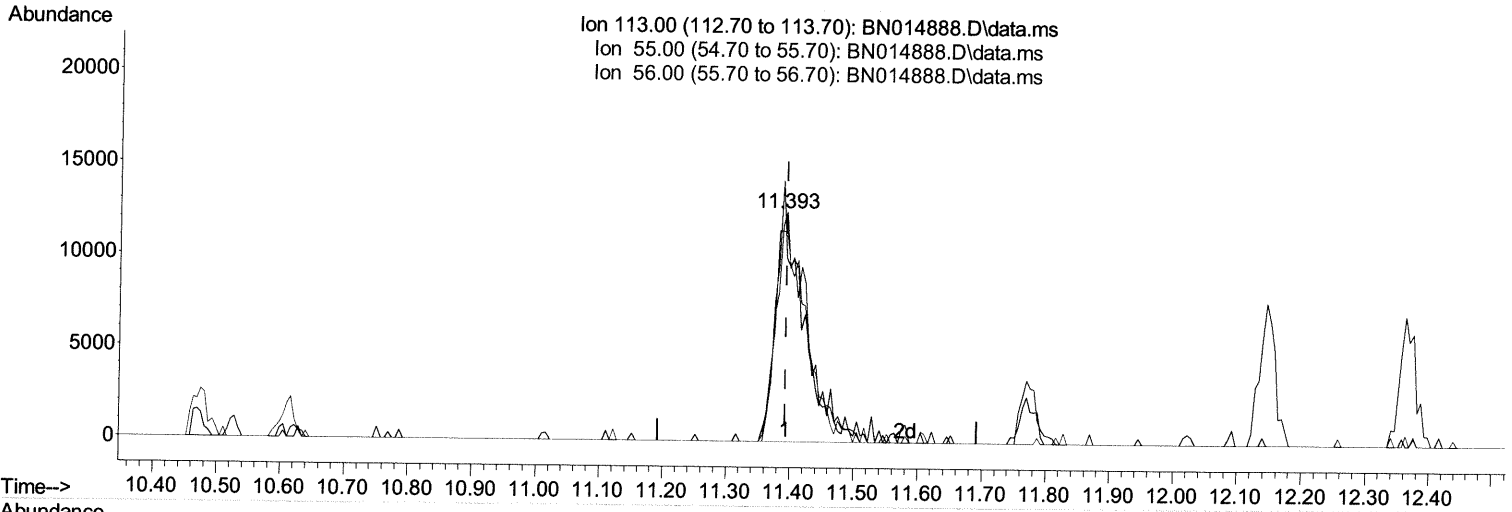
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(34) Caprolactam

11.393min (0.000) 18.12 ng/ul m 06/16/21 JU

response 41021

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	118.50	80.05#
56.00	73.20	91.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

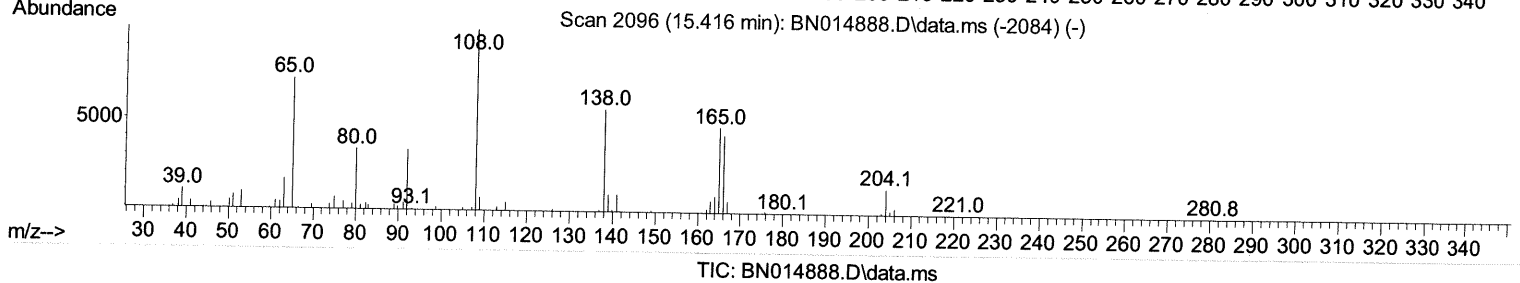
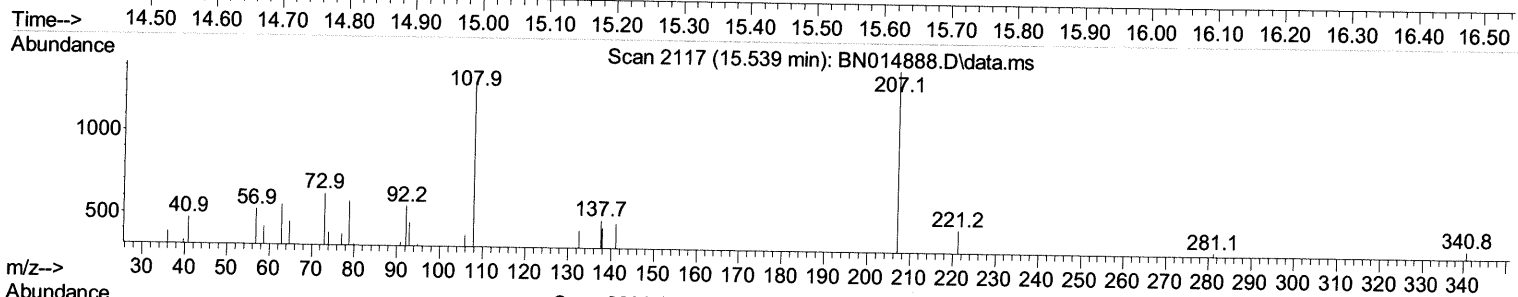
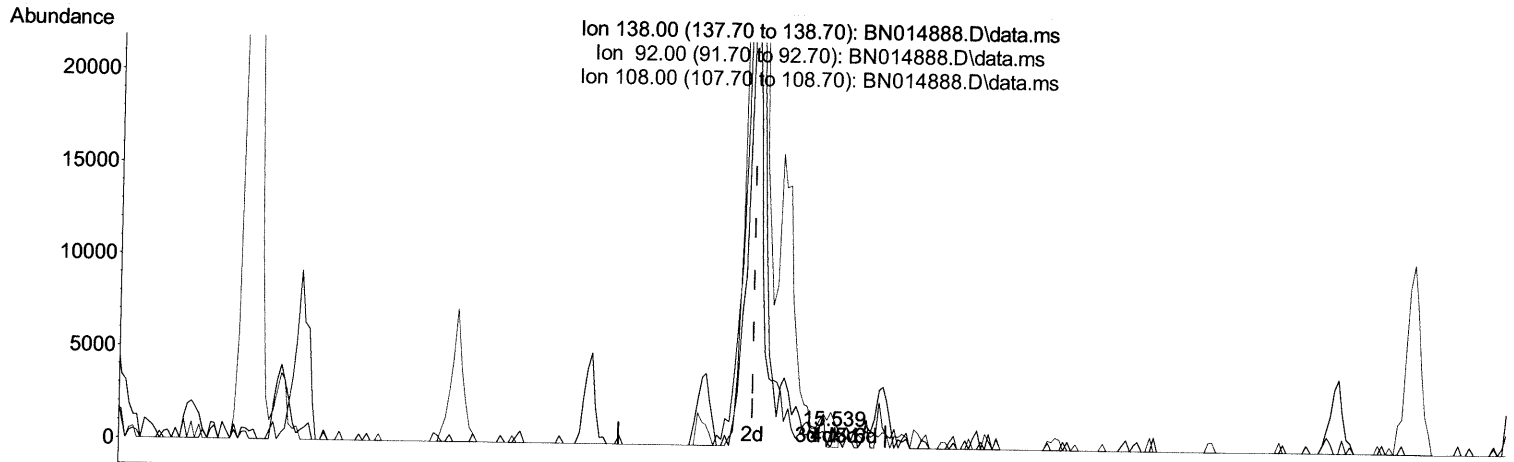
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(63) 4-Nitroaniline

15.539min (+ 0.124) 0.17 ng/ul

response 715

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	71.90	60.64
108.00	136.60	145.09
0.00	0.00	0.00

Quantitation Report (Qedit)

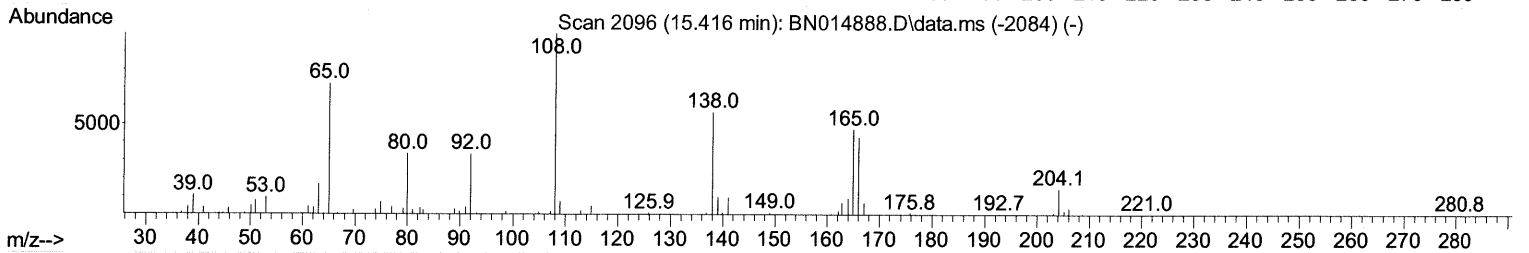
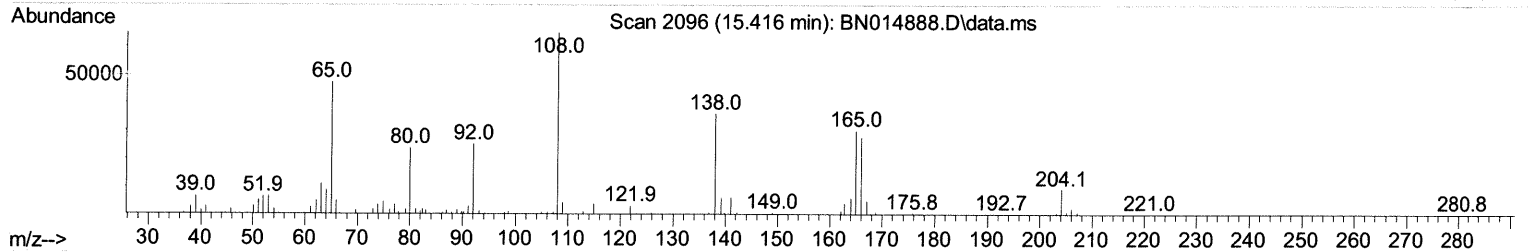
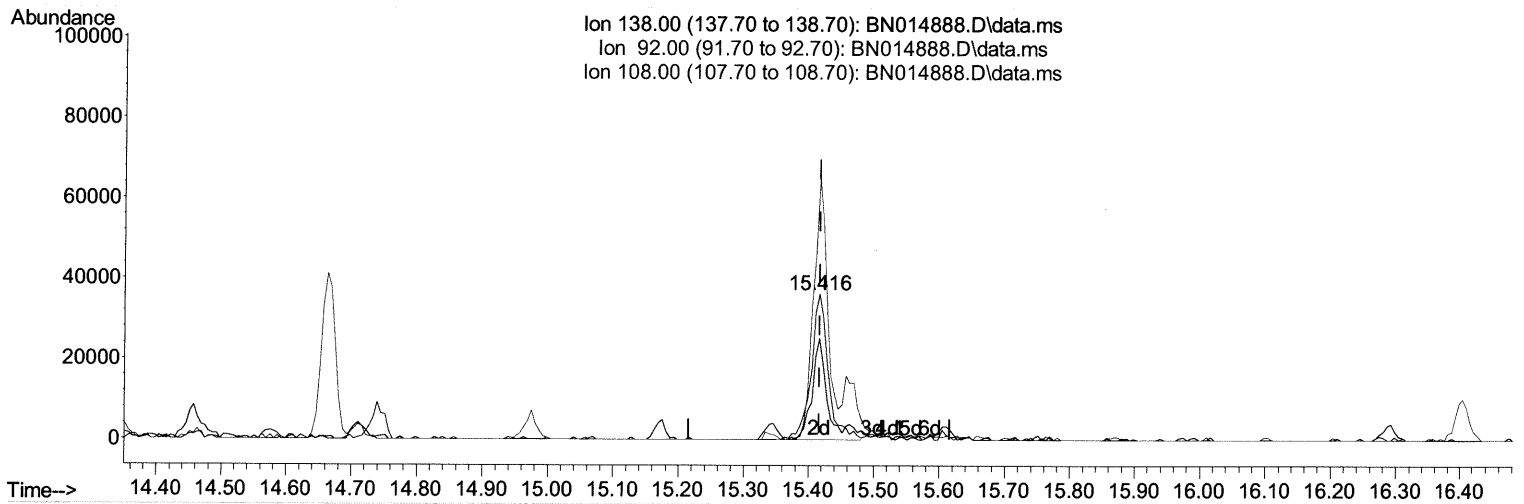
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(63) 4-Nitroaniline

15.416min (0.000) 15.88 ng/ul m 06/16/21 JU

response 66531

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	71.90	69.74
108.00	136.60	179.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

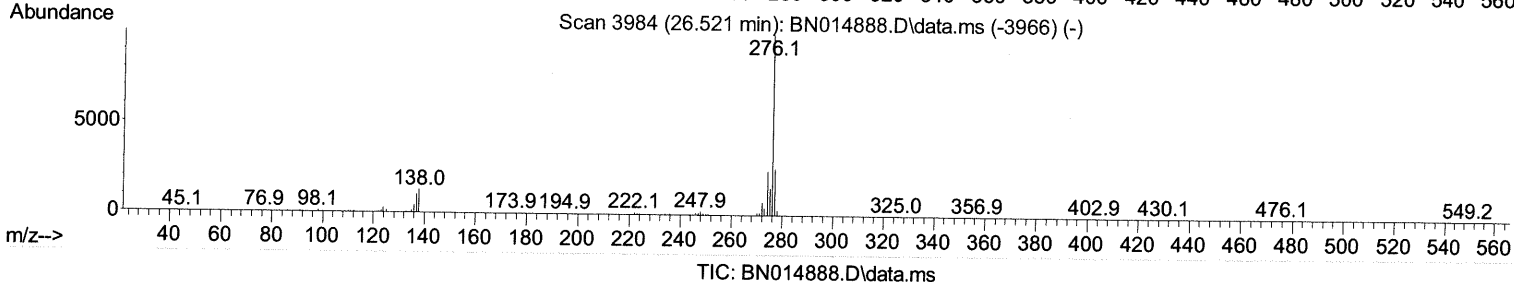
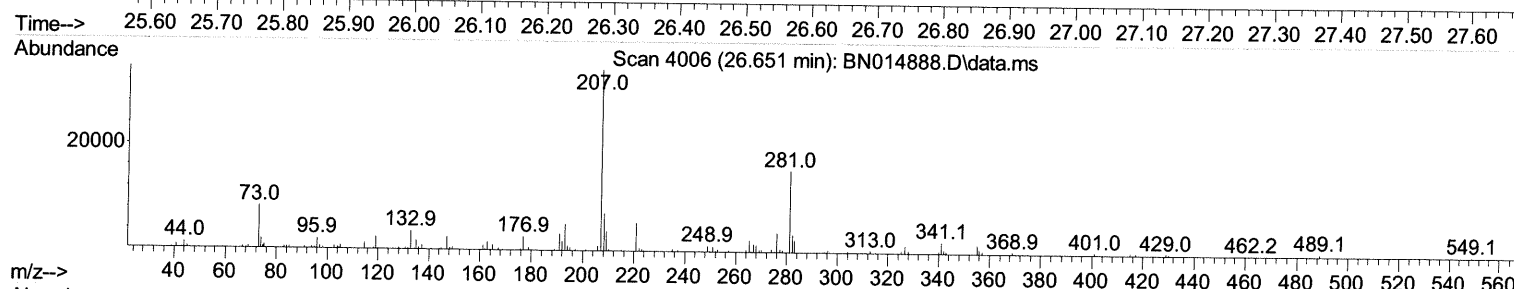
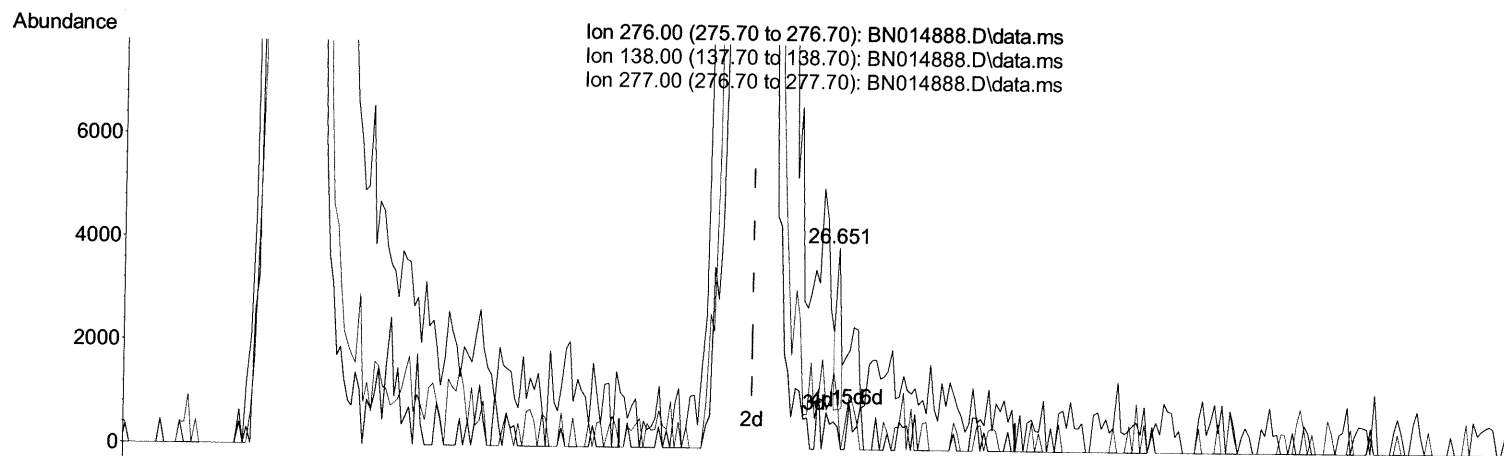
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(96) Benzo(g,h,i)perylene

26.651min (+ 0.129) 0.02 ng/ul

response 1399

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	12.80	11.23
277.00	19.60	22.91
0.00	0.00	0.00

Quantitation Report (Qedit)

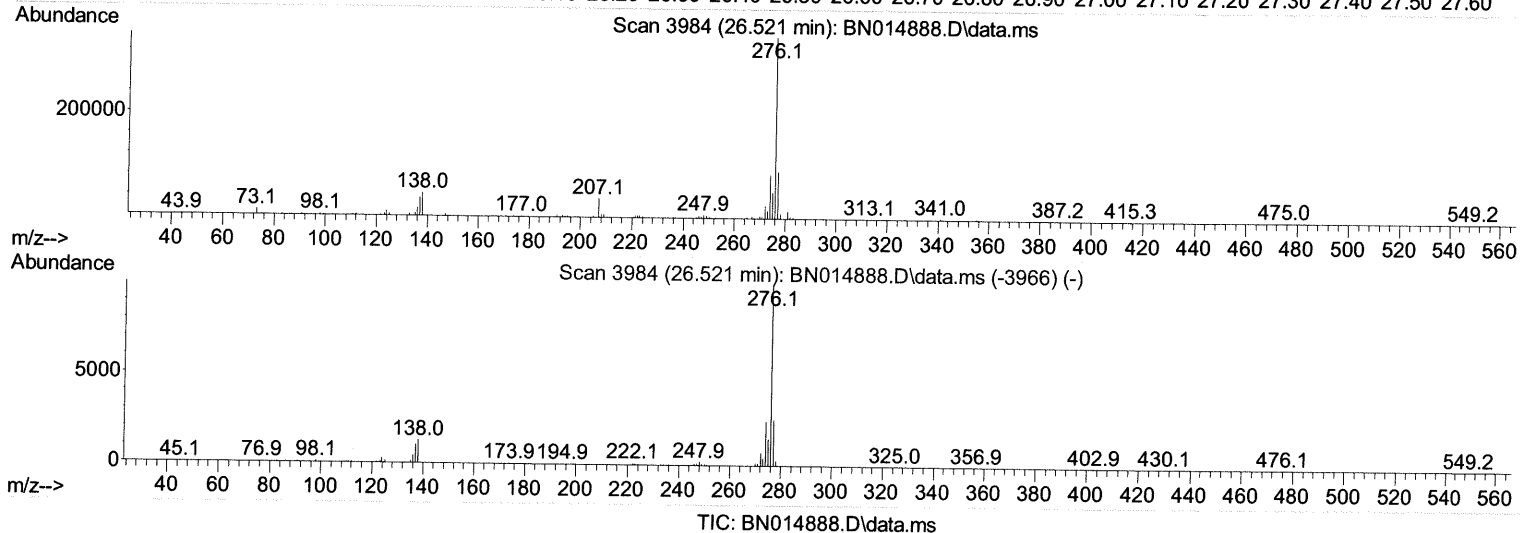
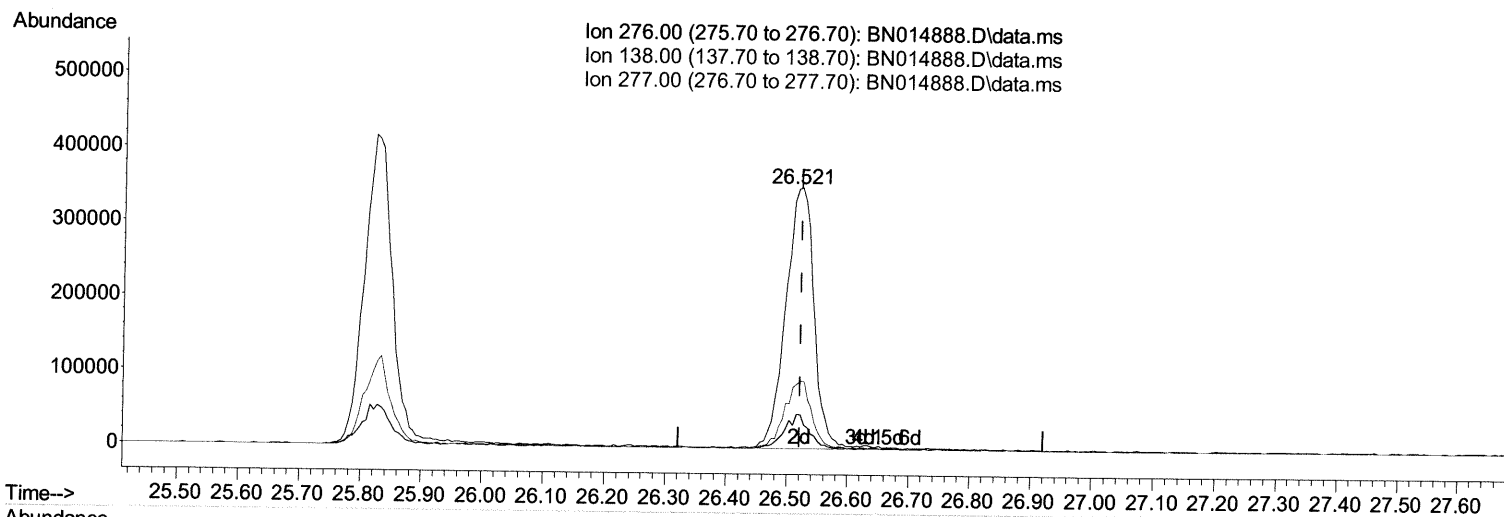
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061221\
Data File : BN014888.D
Acq On : 12 Jun 2021 11:13
Operator : CG/JU
Sample : SSTD02053
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD020053

Manual Integrations
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Quant Time: Jun 14 01:50:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061221MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 14 01:48:30 2021
Response via : Initial Calibration



(96) Benzo(g,h,i)perylene

26.521min (0.000) 18.54 ng/ul m 06/16/21ju

response 1140329

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	12.80	12.77
277.00	19.60	25.74#
0.00	0.00	0.00

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 BNA_N
 ClientSampled :
 SST0020053

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	100581	20.000	ng/ul	0.00
20) Naphthalene-d8	10.475	136	395763	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.339	164	291179	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.098	188	669733	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.298	240	802572	20.000	ng/ul	0.00
88) Perylene-d12	23.551	264	933918	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	13541	5.482	ng/uL	0.00
4) Pyridine-d5	3.611	84	82167	13.209	ng/ul	0.00
7) Phenol-d5	6.863	99	153493	15.585	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	71882	14.678	ng/ul	0.00
11) 2-Chlorophenol-d4	7.222	132	119510	19.593	ng/ul	0.00
15) 4-Methylphenol-d8	8.399	113	128213	16.744	ng/ul	0.00
21) Nitrobenzene-d5	8.840	128	62508	20.967	ng/ul	0.00
24) 2-Nitrophenol-d4	9.563	143	66177	20.652	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.099	165	138592	18.969	ng/ul	0.00
31) 4-Chloroaniline-d4	10.610	131	160206	18.599	ng/ul	0.00
46) Dimethylphthalate-d6	13.751	166	459249	19.852	ng/ul	0.00
49) Acenaphthylene-d8	14.034	160	505329	18.890	ng/ul	0.00
54) 4-Nitrophenol-d4	14.557	143	61725	16.796	ng/ul	0.00
60) Fluorene-d10	15.339	176	377470	18.937	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	76074	20.767	ng/ul	0.00
73) Anthracene-d10	17.192	188	618696	19.775	ng/ul	0.00
81) Pyrene-d10	19.498	212	767385	20.278	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.410	264	985941	19.819	ng/ul	0.00
Target Compounds						
2) 1,4-Dioxane	3.240	88	14489	4.997	ng/uL#	94
5) Pyridine	3.622	79	85865	13.173	ng/ul#	75
6) Benzaldehyde	6.834	77	77267	14.569	ng/ul	93
8) Phenol	6.893	94	151751	14.975	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.116	93	112255	14.352	ng/ul	96
12) 2-Chlorophenol	7.252	128	123654	19.369	ng/ul	88
13) 2-Methylphenol	8.134	108	116820	15.697	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.210	45	74755m >	15.151	ng/ul >	06/16/21JU
16) Acetophenone	8.505	105	220002	17.357	ng/ul	89
17) N-Nitroso-di-n-propyla...	8.493	70	96655	15.831	ng/ul#	88
18) 4-Methylphenol	8.457	108	127305	15.684	ng/ul	93
19) Hexachloroethane	8.763	117	57863	18.103	ng/ul#	80
22) Nitrobenzene	8.881	77	162864	17.505	ng/ul#	92
23) Isophorone	9.404	82	293474	16.611	ng/ul#	96
25) 2-Nitrophenol	9.593	139	69084	20.287	ng/ul	91
26) 2,4-Dimethylphenol	9.657	107	188975	18.027	ng/ul	91
27) Bis(2-Chloroethoxy)met...	9.893	93	156607	14.588	ng/ul	100
29) 2,4-Dichlorophenol	10.128	162	136191	19.436	ng/ul	91
30) Naphthalene	10.522	128	404756	18.816	ng/ul	98
32) 4-Chloroaniline	10.634	127	152867	16.676	ng/ul	98
33) Hexachlorobutadiene	10.816	225	129106	20.606	ng/ul	93
34) Caprolactam	11.393	113	41021m >	18.119	ng/ul >	06/16/21JU
35) 4-Chloro-3-methylphenol	11.769	107	177297	17.460	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.145	142	292561	18.246	ng/ul	94
37) 1-Methylnaphthalene	12.369	142	293765	18.635	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.522	216	213275	19.372	ng/ul	91
40) Hexachlorocyclopentadiene	12.498	237	151228	20.735	ng/ul	88
41) 2,4,6-Trichlorophenol	12.763	196	121484	19.650	ng/ul	86
42) 2,4,5-Trichlorophenol	12.840	196	129340	19.170	ng/ul	96
43) 1,1'-Biphenyl	13.169	154	402476	19.322	ng/ul#	93
44) 2-Chloronaphthalene	13.204	162	319204	19.125	ng/ul	99
45) 2-Nitroaniline	13.416	65	90907	17.882	ng/ul	94
47) Dimethylphthalate	13.798	163	442121	19.323	ng/ul	98
48) 2,6-Dinitrotoluene	13.916	165	85313	20.064	ng/ul	94
50) Acenaphthylene	14.063	152	456987	18.580	ng/ul	97
51) 3-Nitroaniline	14.245	138	67599	16.385	ng/ul	78
52) Acenaphthene	14.404	153	343606	19.281	ng/ul	95
53) 2,4-Dinitrophenol	14.463	184	38168	12.364	ng/ul	95
55) 4-Nitrophenol	14.569	109	101809	14.451	ng/ul#	91
56) Dibenzofuran	14.745	168	494602	18.657	ng/ul#	76
57) 2,4-Dinitrotoluene	14.710	165	127926	18.879	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	14.975	232	122383	17.633	ng/ul#	68
59) Diethylphthalate	15.175	149	445092	20.235	ng/ul	96
61) Fluorene	15.392	166	400543	20.082	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.392	204	223053	18.903	ng/ul#	81
63) 4-Nitroaniline	15.416	138	66531m >	15.875	ng/ul >	06/16/21ju
66) 4,6-Dinitro-2-methylph...	15.475	198	75577	21.090	ng/ul#	93
67) N-Nitrosodiphenylamine	15.610	169	351254	19.472	ng/ul	94
68) 4-Bromophenyl-phenylether	16.292	248	171530	19.668	ng/ul#	88
69) Hexachlorobenzene	16.404	284	203561	18.658	ng/ul	98
70) Atrazine	16.563	200	162032	21.722	ng/ul	97
71) Pentachlorophenol	16.751	266	90502	14.408	ng/ul#	86
72) Phenanthrene	17.139	178	676844	19.342	ng/ul	98
74) Anthracene	17.228	178	687051	19.480	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.134	216	202408	18.290	ng/ul	90
76) Pentachlorobenzene	14.663	250	217384	18.992	ng/ul	88
77) Carbazole	17.504	167	574194	19.317	ng/ul	98
78) Di-n-butylphthalate	18.075	149	729655	20.832	ng/ul	98
80) Fluoranthene	19.163	202	872105	19.544	ng/ul#	95
82) Pyrene	19.527	202	914373	19.926	ng/ul#	94
83) Butylbenzylphthalate	20.439	149	347332	22.526	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.221	252	312983	20.684	ng/ul	91
85) Benzo(a)anthracene	21.280	228	998657	19.962	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.221	149	523810	23.568	ng/ul	97
87) Chrysene	21.333	228	965497	19.164	ng/ul	100
89) Di-n-octyl phthalate	22.104	149	968100	23.430	ng/ul	100
90) Benzo(b)fluoranthene	22.874	252	1114802	19.890	ng/ul#	96
91) Benzo(k)fluoranthene	22.921	252	1058874	18.962	ng/ul	95
93) Benzo(a)pyrene	23.457	252	1017356	20.057	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	25.821	276	1302764	18.745	ng/ul	98
95) Dibenzo(a,h)anthracene	25.839	278	1095706	19.051	ng/ul	98
96) Benzo(g,h,i)perylene	26.521	276	1140329m >	18.540	ng/ul >	06/16/21ju

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

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