

Instrument :
BNA_G
ClientSampleId :
SLCS619

Manual Integrations
APPROVED

[illegible]

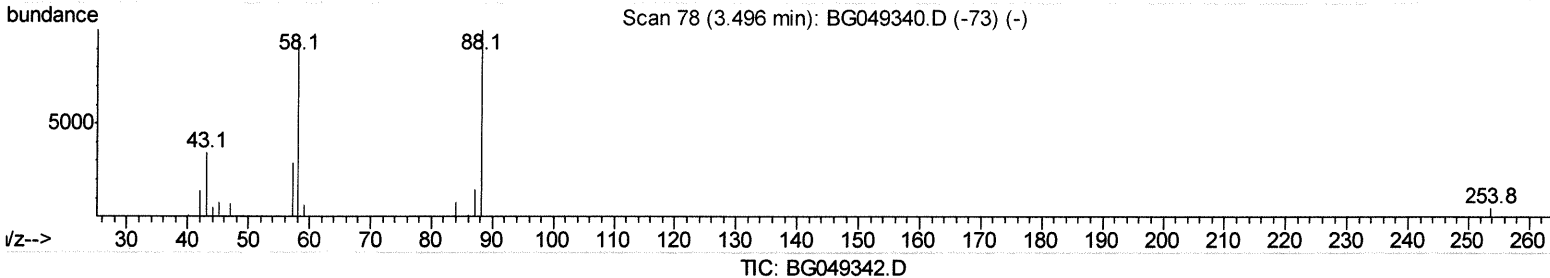
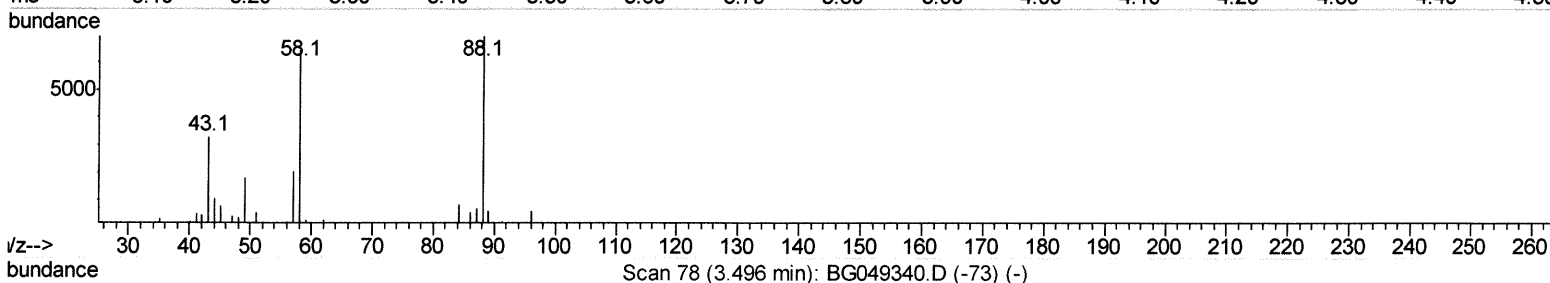
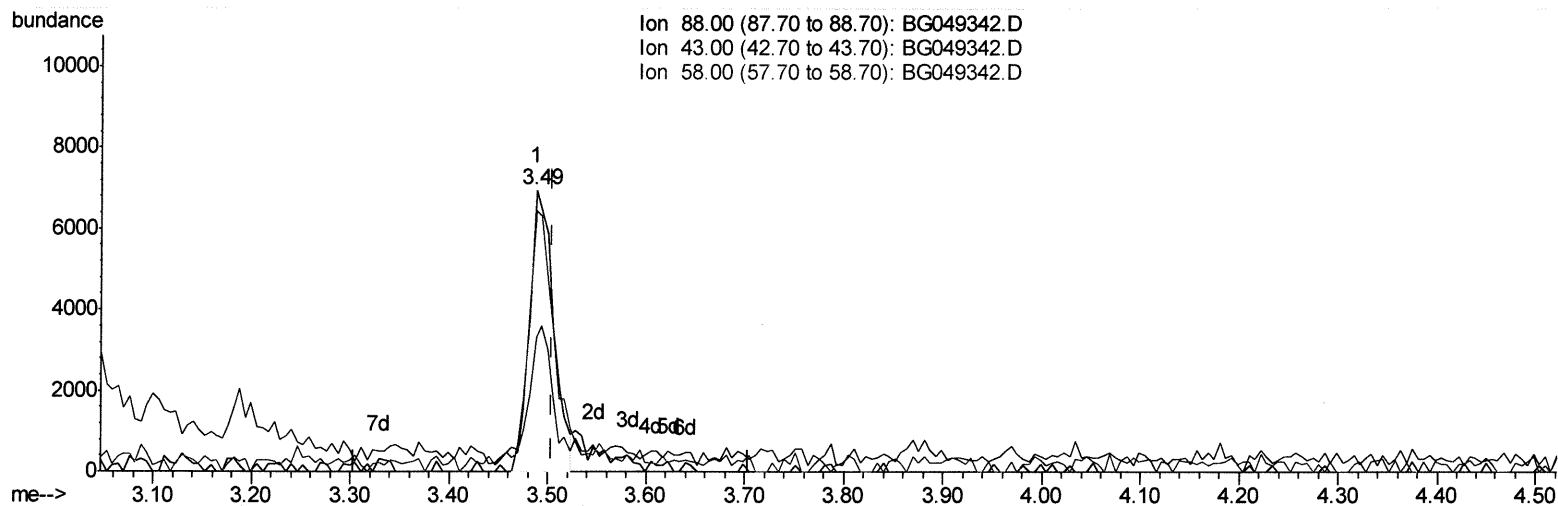
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
 Acq On : 15 Jul 2021 00:18
 Operator : CG/JU
 Sample : PB137619BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS619

Quant Time: Jul 15 01:27:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration

Manual Integrations
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mohammad
 7/15/2021 11:32:24 AM



(2) 1,4-Dioxane

3.488min (-0.017) 12.74ng/uL

response 11832

Ion	Exp%	Act%
88.00	100	100
43.00	40.60	47.56
58.00	90.90	92.63
0.00	0.00	0.00

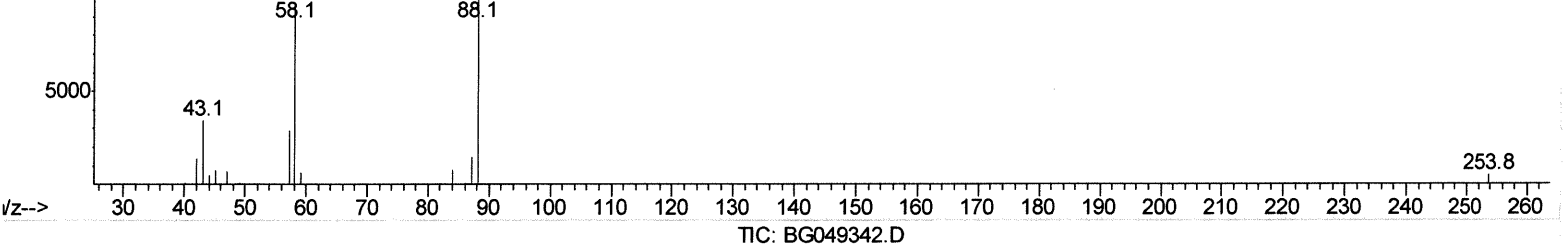
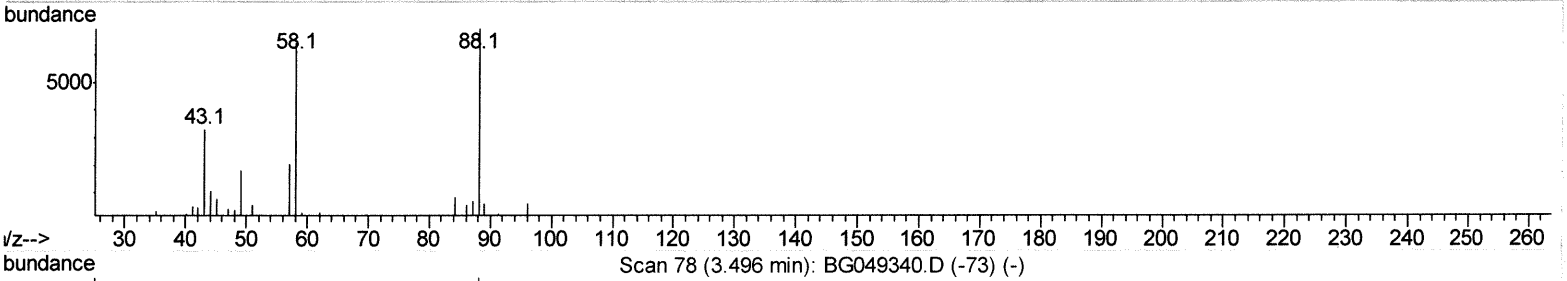
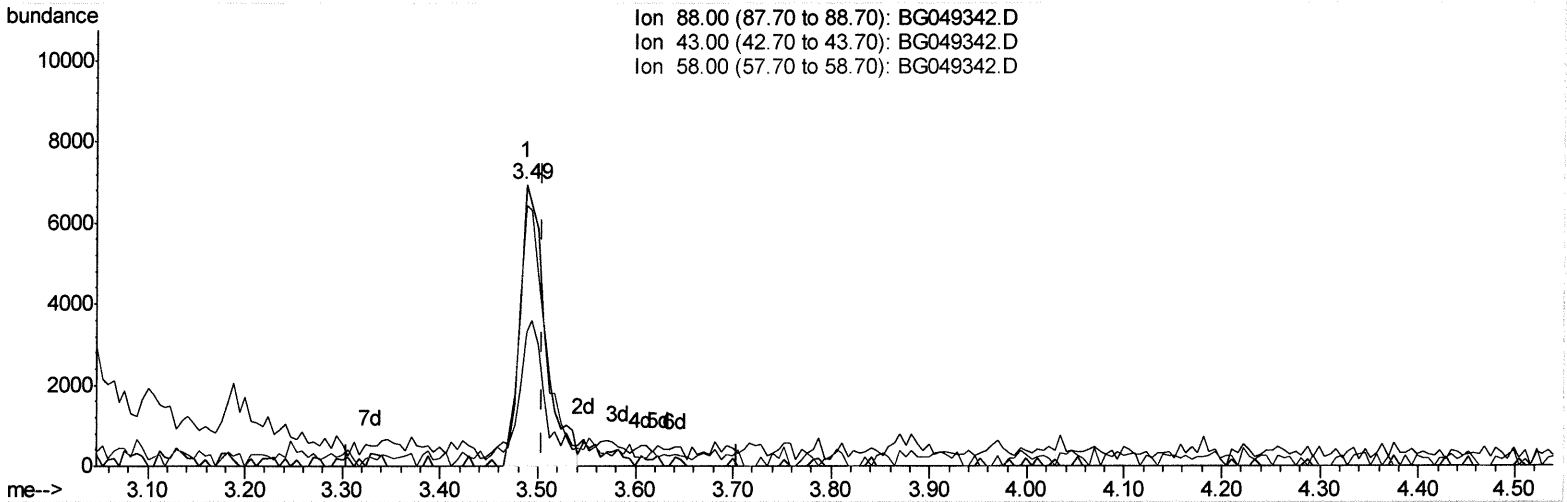
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
 Acq On : 15 Jul 2021 00:18
 Operator : CG/JU
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Quant Time: Jul 15 01:27:56 2021
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(2) 1,4-Dioxane

3.488min (-0.017) 13.56ng/uL m

response 12596

JU 7/16/21

Ion	Exp%	Act%
88.00	100	100
43.00	40.60	47.56
58.00	90.90	92.63
0.00	0.00	0.00

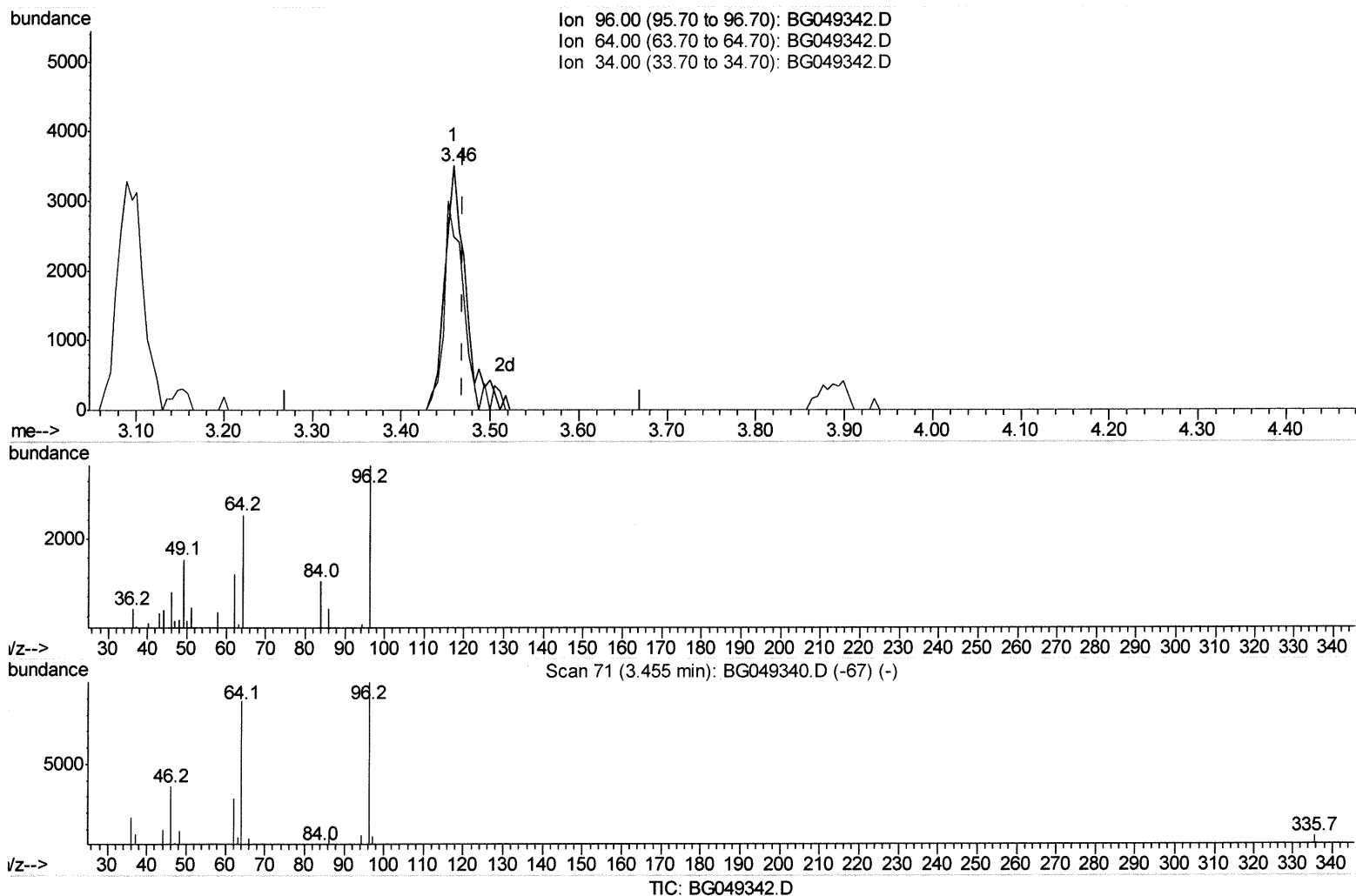
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
 Acq On : 15 Jul 2021 00:18
 Operator : CG/JU
 Sample : PB137619BS
 Misc :
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Instrument :
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Quant Time: Jul 15 02:40:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
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(3) 1,4-Dioxane-d8 (S)

3.458min (-0.011) 6.86ng/uL

response 5235

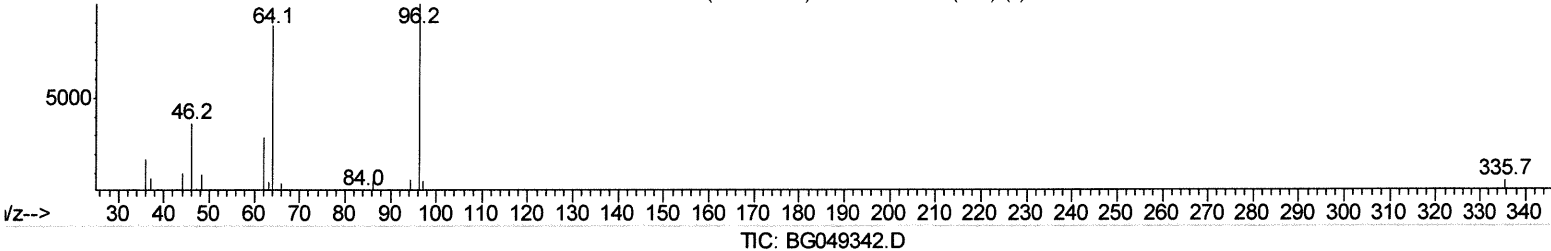
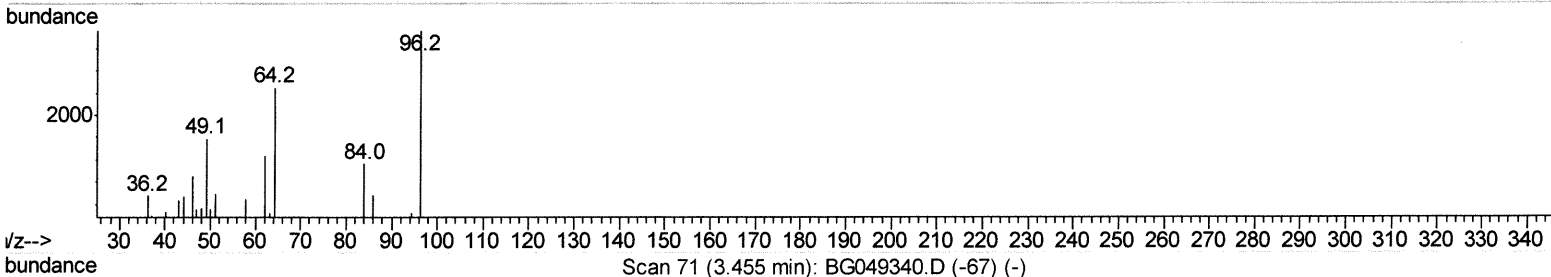
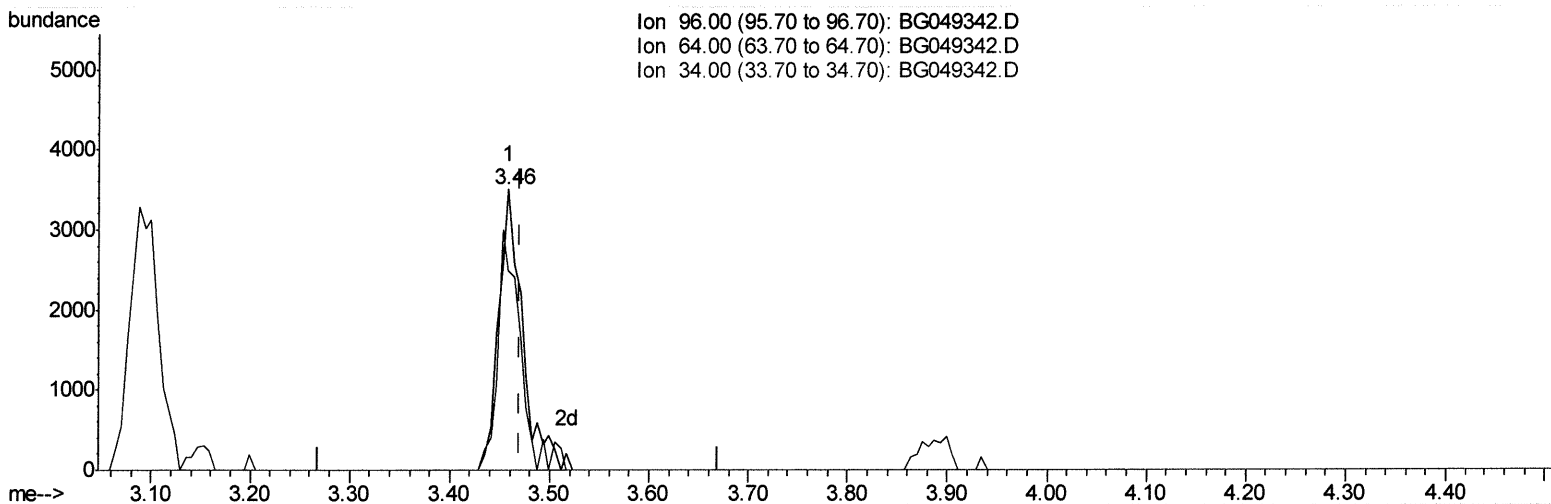
Ion	Exp%	Act%
96.00	100	100
64.00	62.20	70.94
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
 Acq On : 15 Jul 2021 00:18
 Operator : CG/JU
 Sample : PB137619BS
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 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Manual Integrations
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(3) 1,4-Dioxane-d8 (S)

3.458min (-0.011) 7.60ng/uL m

response 5796

J47/16/21

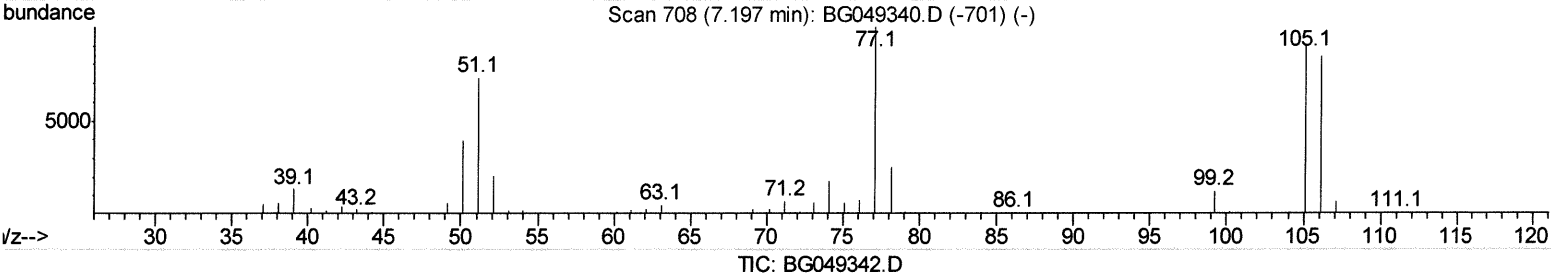
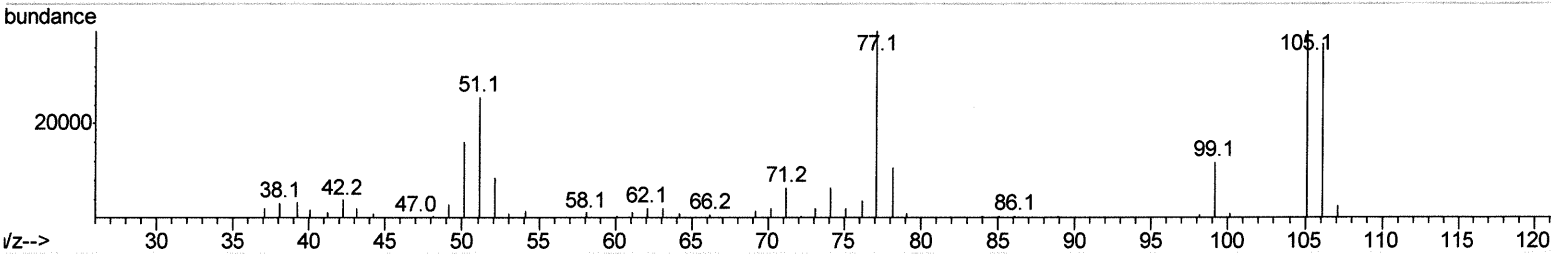
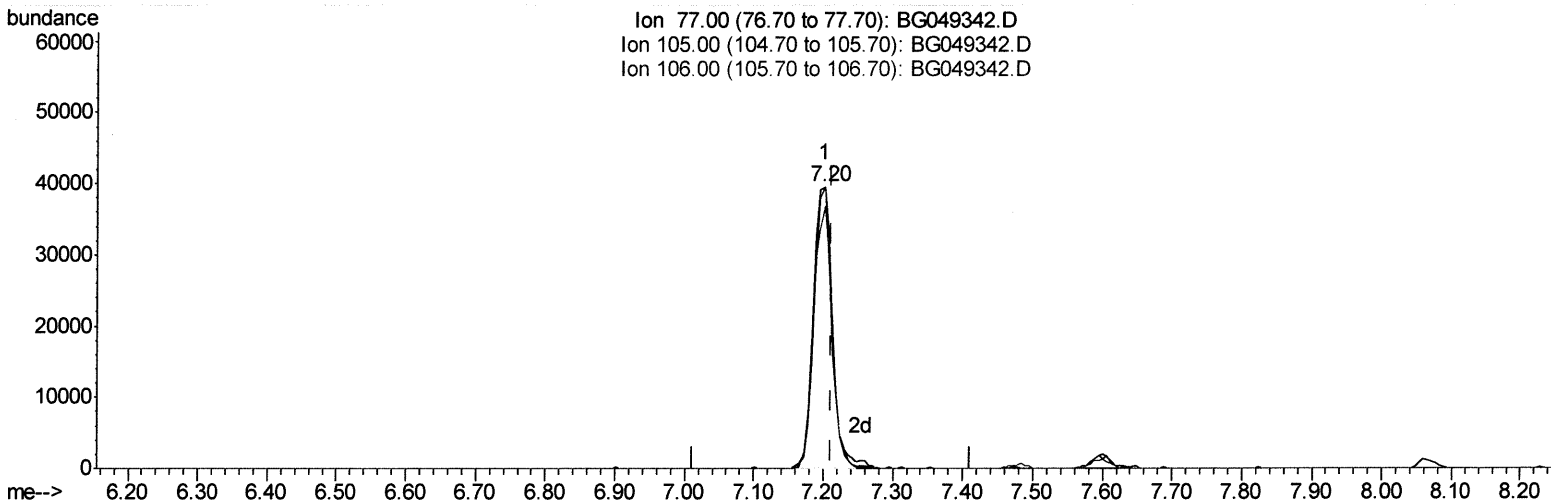
Ion	Exp%	Act%
96.00	100	100
64.00	62.20	70.94
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
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Quant Time: Jul 15 02:40:44 2021
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 Quant Title : SVOA CALIBRATION
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TIC: BG049342.D

(6) Benzaldehyde

7.201min (-0.011) 40.22ng/ul

response 75517

Ion	Exp%	Act%
77.00	100	100
105.00	90.80	99.84
106.00	90.40	93.27
0.00	0.00	0.00

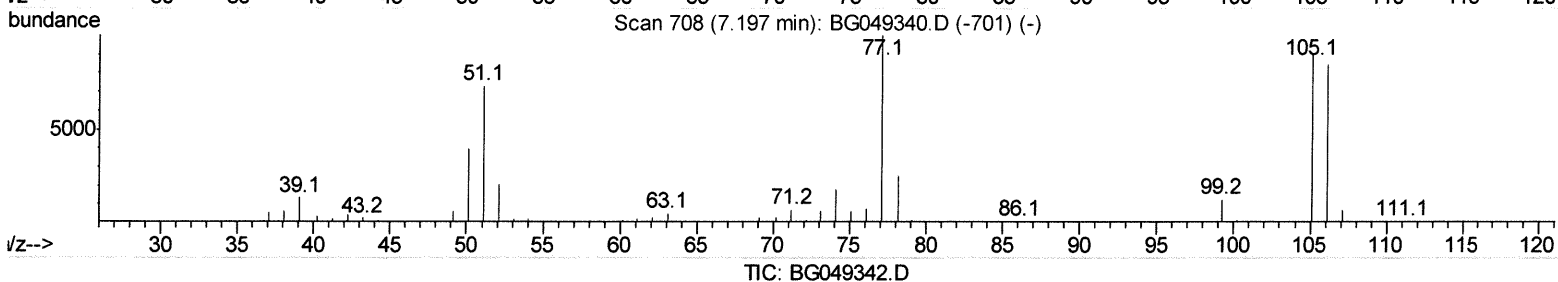
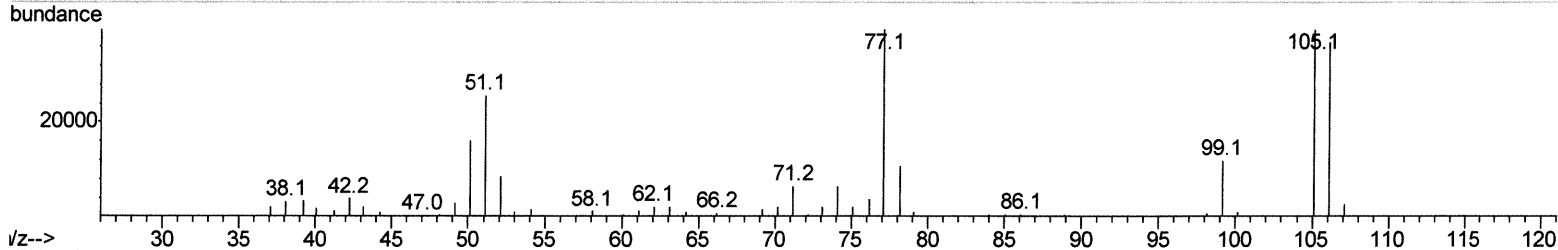
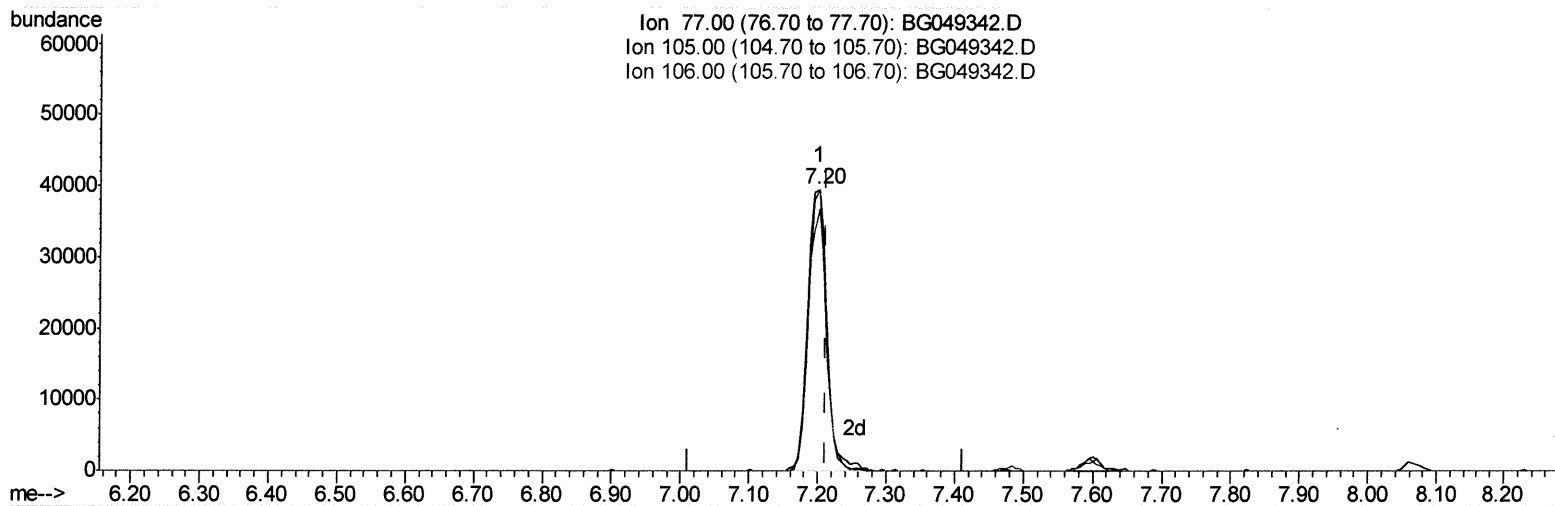
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
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 Operator : CG/JU
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 Misc :
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Manual Integrations
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mohammad
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(6) Benzaldehyde

7.201min (-0.011) 40.75ng/ul m

response 76516

Ion	Exp%	Act%
77.00	100	100
105.00	90.80	99.84
106.00	90.40	93.27
0.00	0.00	0.00

JU 7/16/21

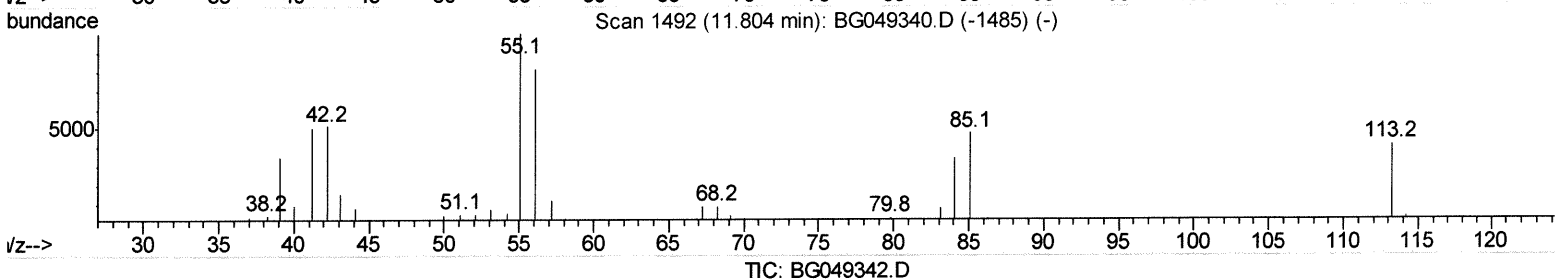
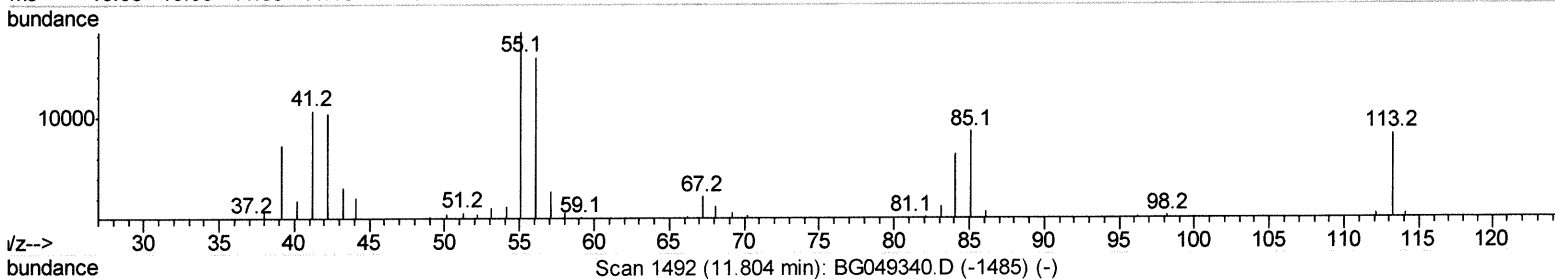
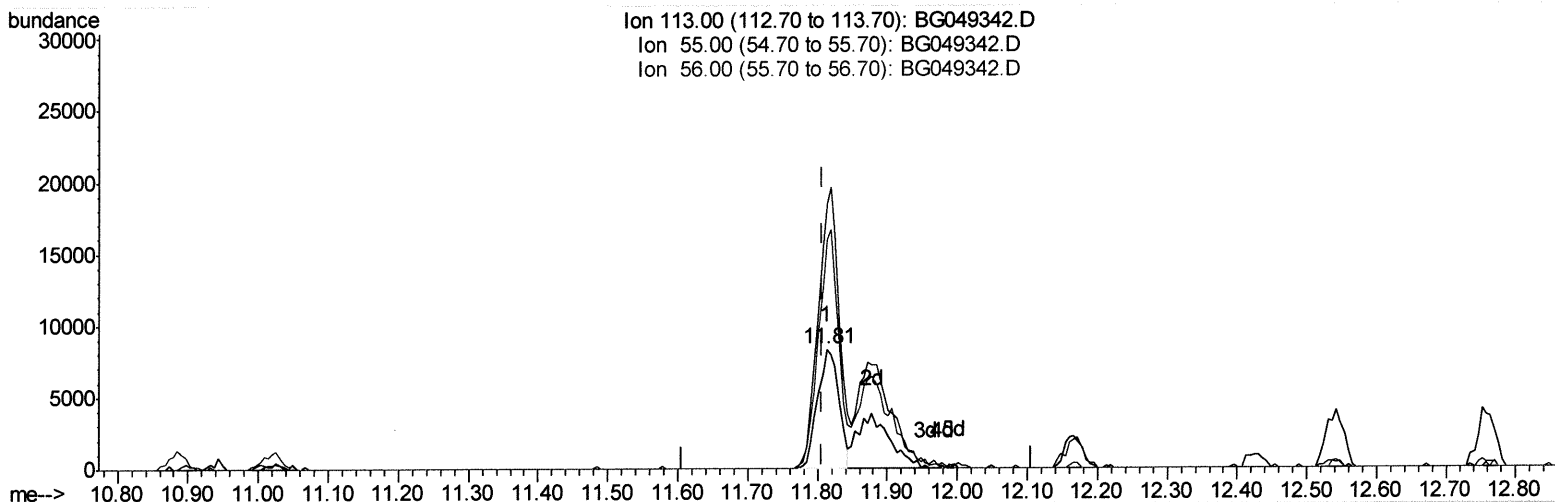
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
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Quant Time: Jul 15 02:41:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration



(34) Caprolactam

11.813min (+0.006) 21.81ng/ul

response 17543

Ion	Exp%	Act%
113.00	100	100
55.00	223.70	221.76
56.00	171.90	192.45
0.00	0.00	0.00

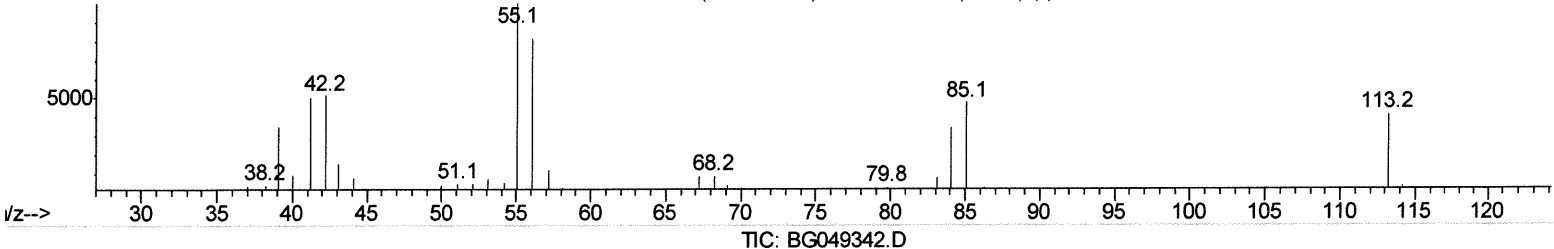
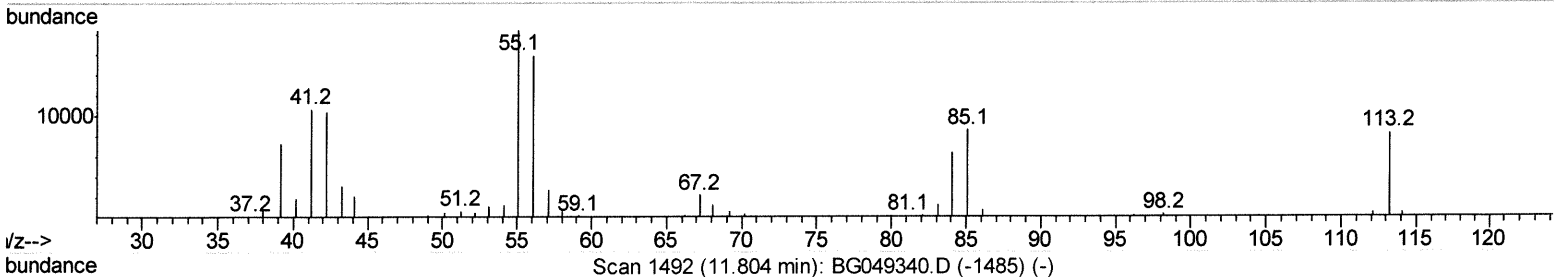
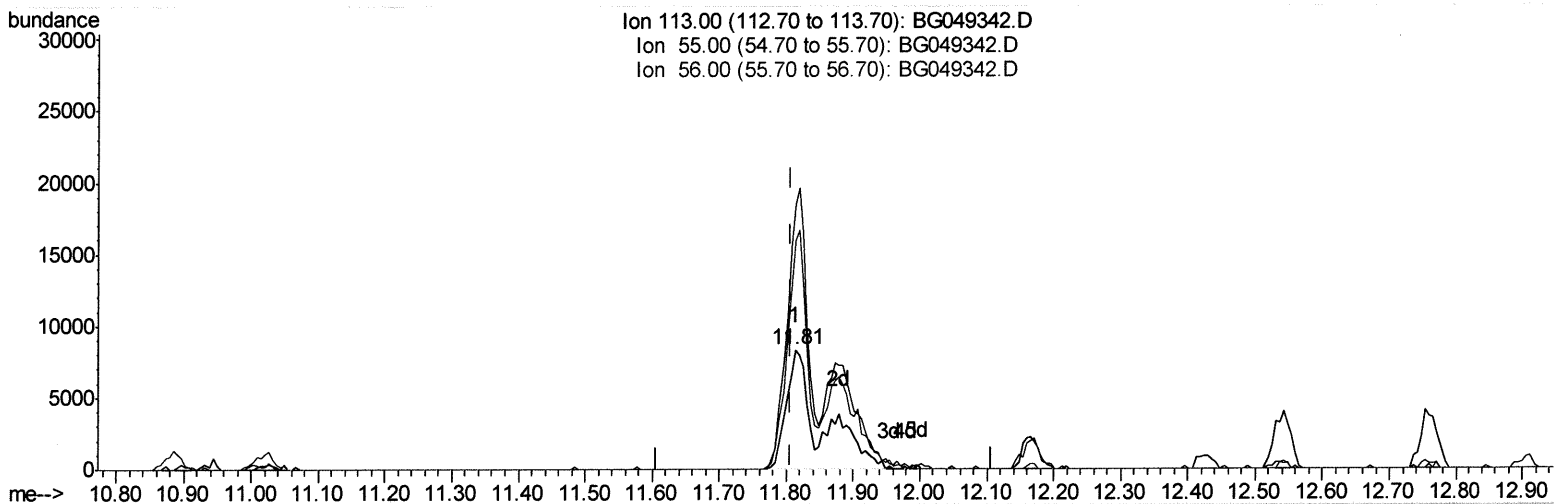
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
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 ALS Vial : 17 Sample Multiplier: 1

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Manual Integrations
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(34) Caprolactam

11.813min (+0.006) 36.84ng/ul m

response 29631

Ion	Exp%	Act%
113.00	100	100
55.00	223.70	221.76
56.00	171.90	192.45
0.00	0.00	0.00

JG 7/16/21

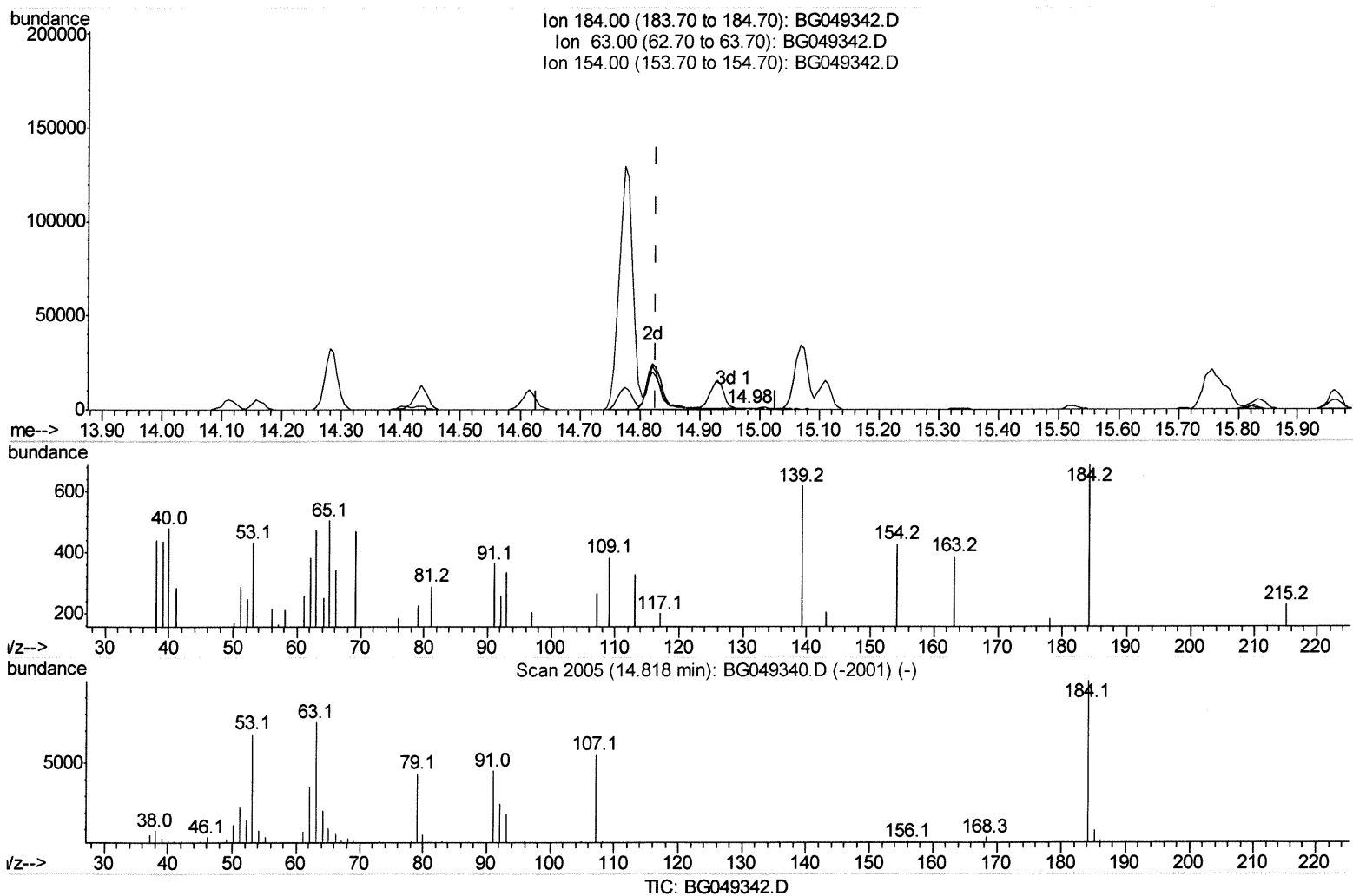
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
 Acq On : 15 Jul 2021 00:18
 Operator : CG/JU
 Sample : PB137619BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS619

Quant Time: Jul 15 02:42:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
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Manual Integrations
 APPROVED

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 7/15/2021 11:32:24 AM



(53) 2,4-Dinitrophenol

14.980min (+0.153) 0.27ng/ul

response 279

Ion	Exp%	Act%
184.00	100	100
63.00	67.10	68.80
154.00	74.10	61.83
0.00	0.00	0.00

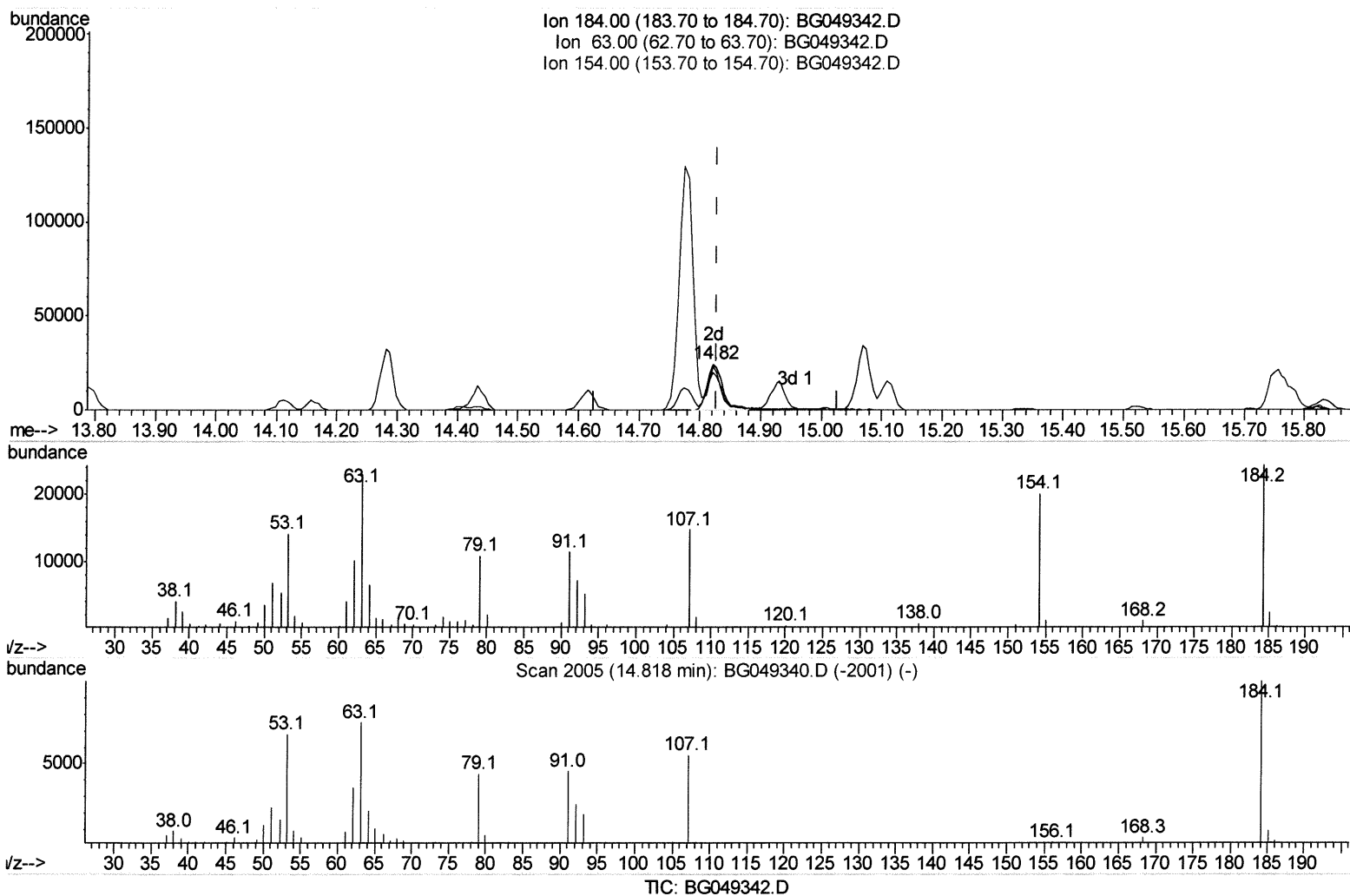
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
 Acq On : 15 Jul 2021 00:18
 Operator : CG/JU
 Sample : PB137619BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 SLCS619

Manual Integrations
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 7/15/2021 11:32:24 AM

Quant Time: Jul 15 02:42:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration



(53) 2,4-Dinitrophenol

14.821min (-0.005) 42.15ng/ul m

response 43101

Ion	Exp%	Act%
184.00	100	100
63.00	67.10	94.36#
154.00	74.10	82.51
0.00	0.00	0.00

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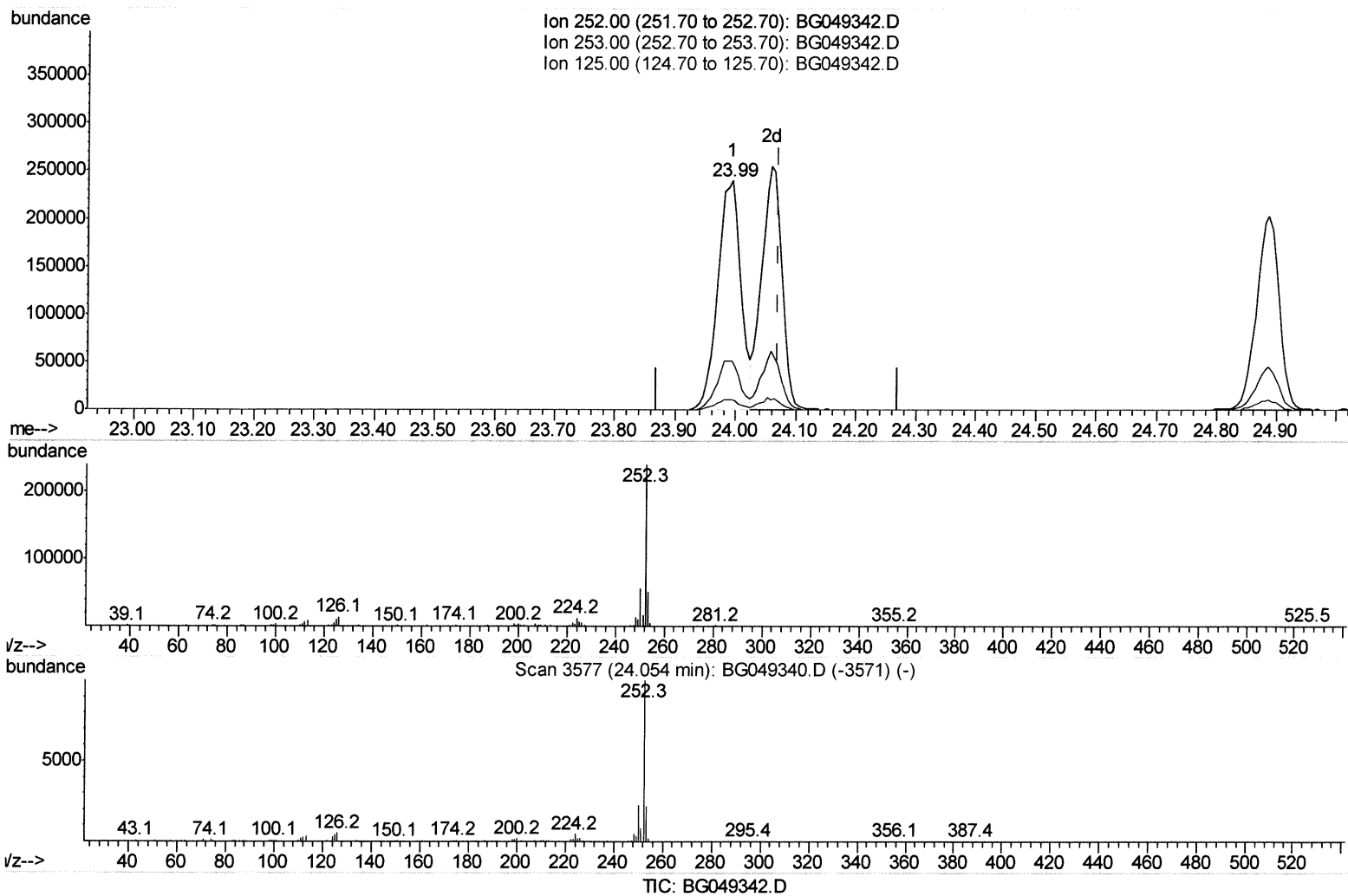
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
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Manual Integrations
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(91) Benzo(k)fluoranthene

23.993min (-0.076) 43.33ng/ul

response 636237

Ion	Exp%	Act%
252.00	100	100
253.00	20.20	21.32
125.00	4.60	4.22
0.00	0.00	0.00

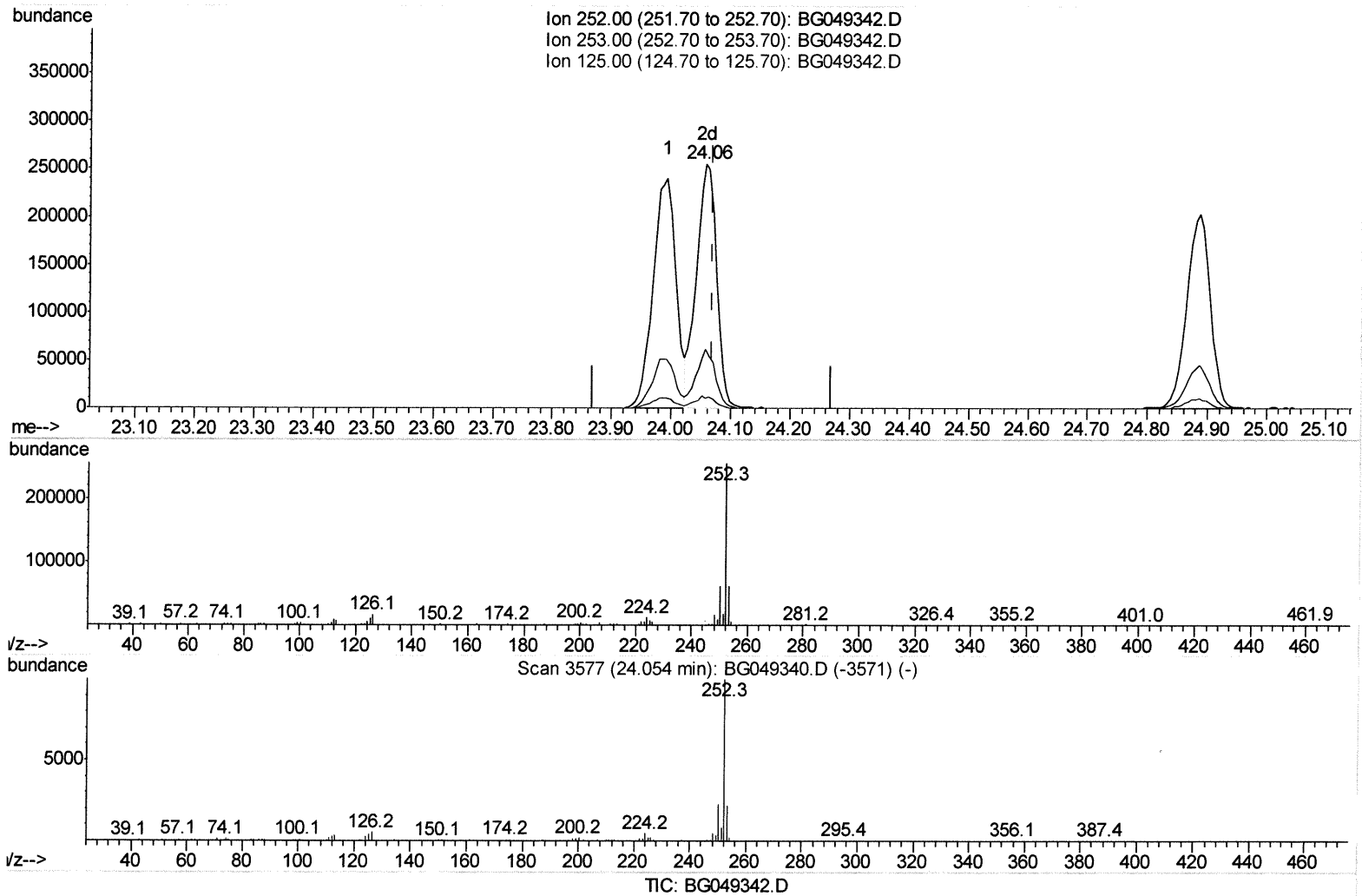
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
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 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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Quant Time: Jul 15 02:42:57 2021
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Manual Integrations
 APPROVED

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 7/15/2021 11:32:24 AM



(91) Benzo(k)fluoranthene

24.058min (-0.011) 40.86ng/ul m

response 599856

Ion	Exp%	Act%
252.00	100	100
253.00	20.20	24.24#
125.00	4.60	4.19
0.00	0.00	0.00

547/16/21

Quantitation Report (Qedit)

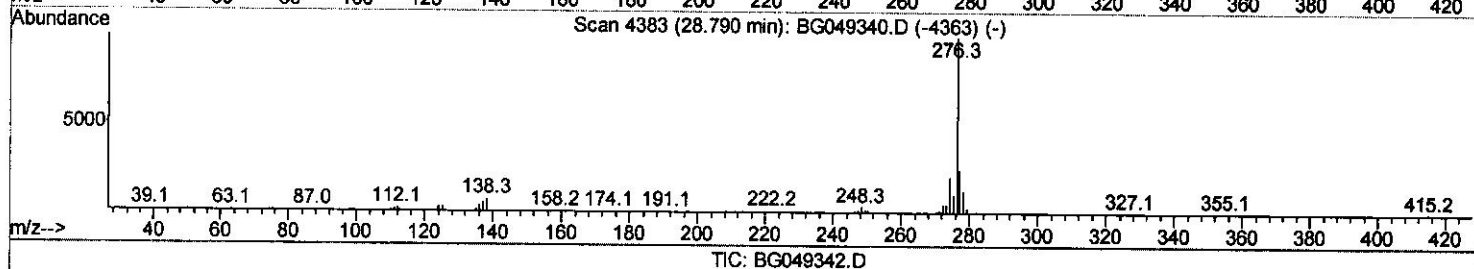
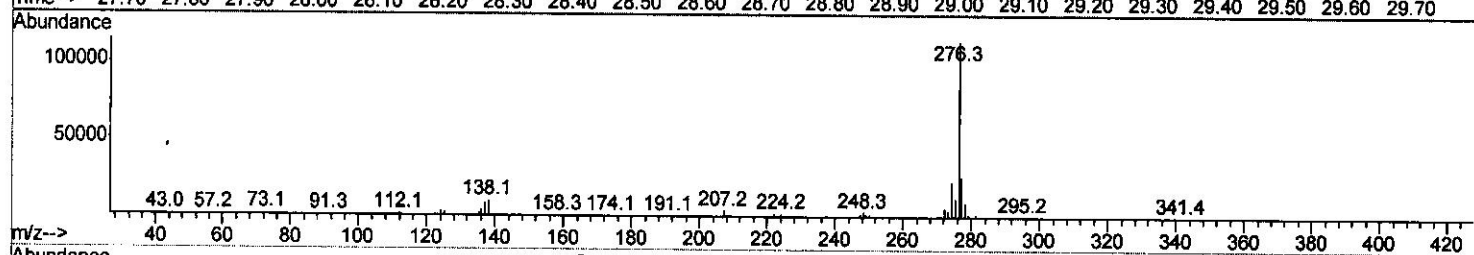
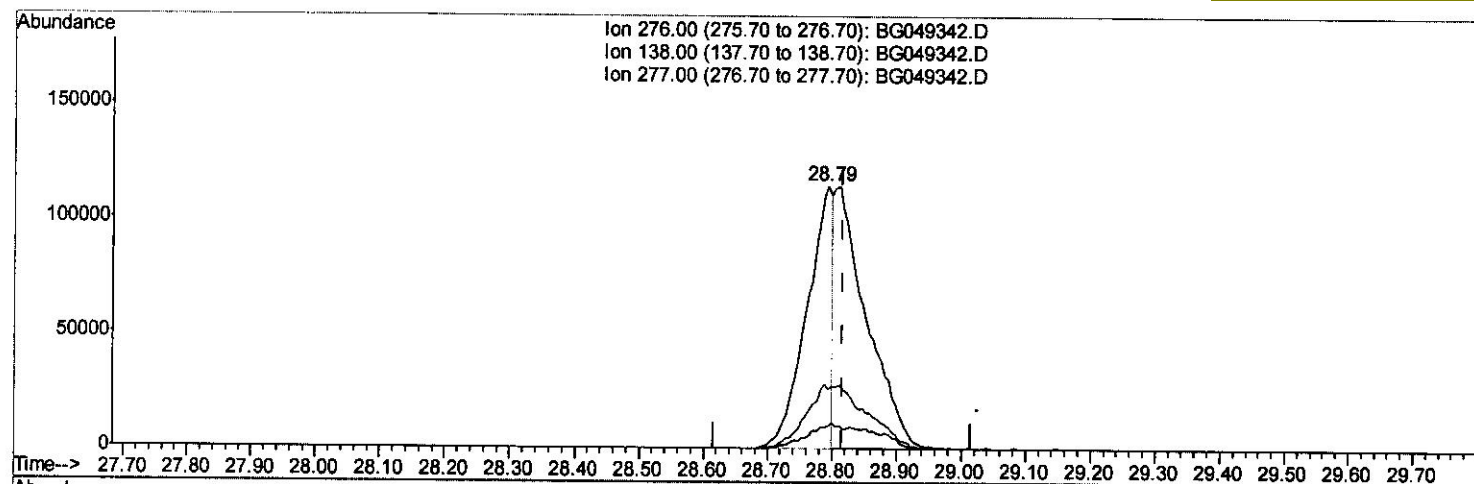
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
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 Operator : CG/JU
 Sample : PB137619BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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(94) Indeno(1,2,3-cd)pyrene

28.793min (-0.023) 18.70ng/ul

response 319715

Ion	Exp%	Act%
276.00	100	100
138.00	10.00	8.46
277.00	22.10	22.95
0.00	0.00	0.00

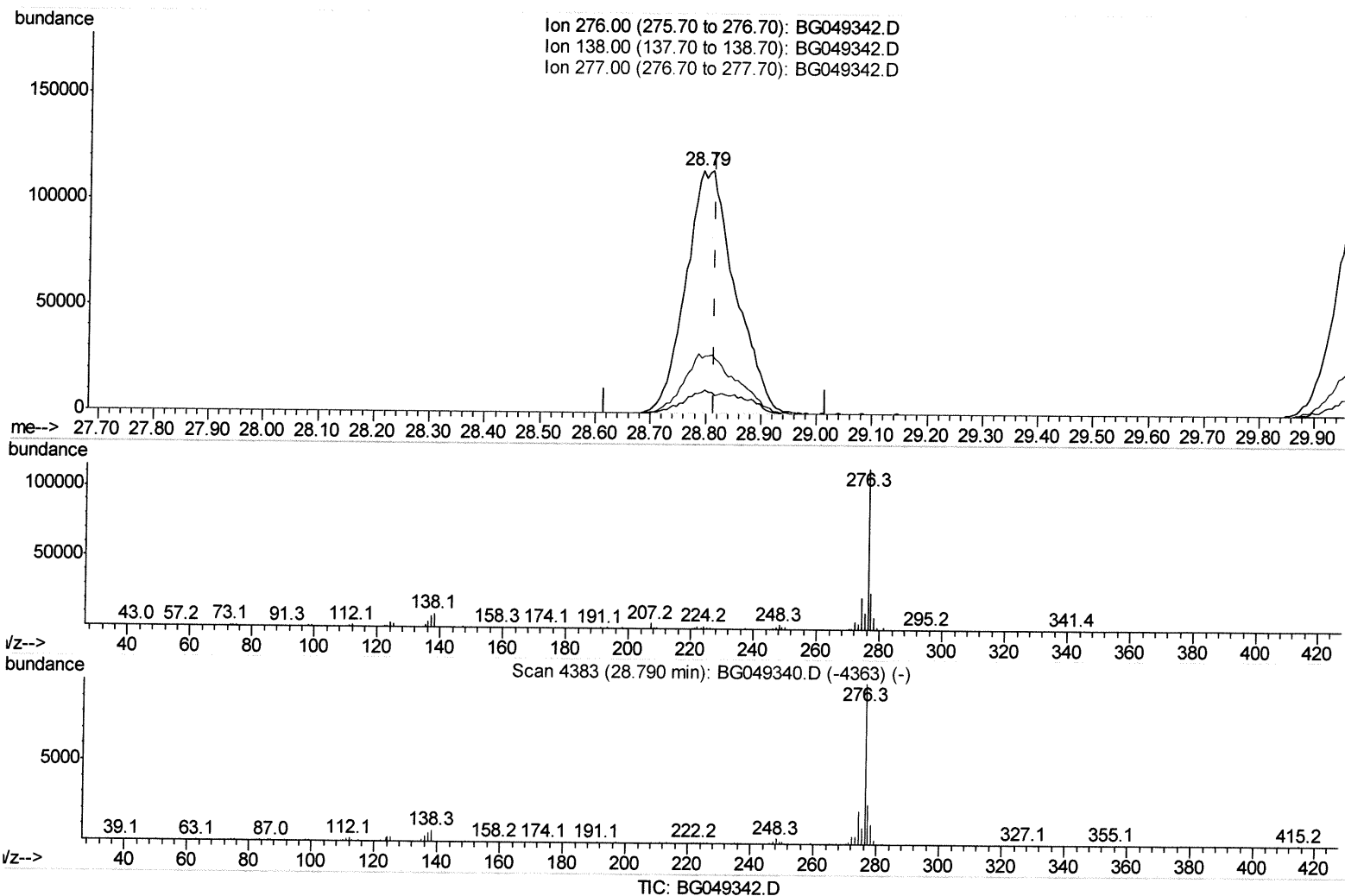
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(94) Indeno(1,2,3-cd)pyrene

28.793min (-0.023) 41.62ng/ul m

response 711606

Ion	Exp%	Act%
276.00	100	100
138.00	10.00	8.46
277.00	22.10	22.95
0.00	0.00	0.00

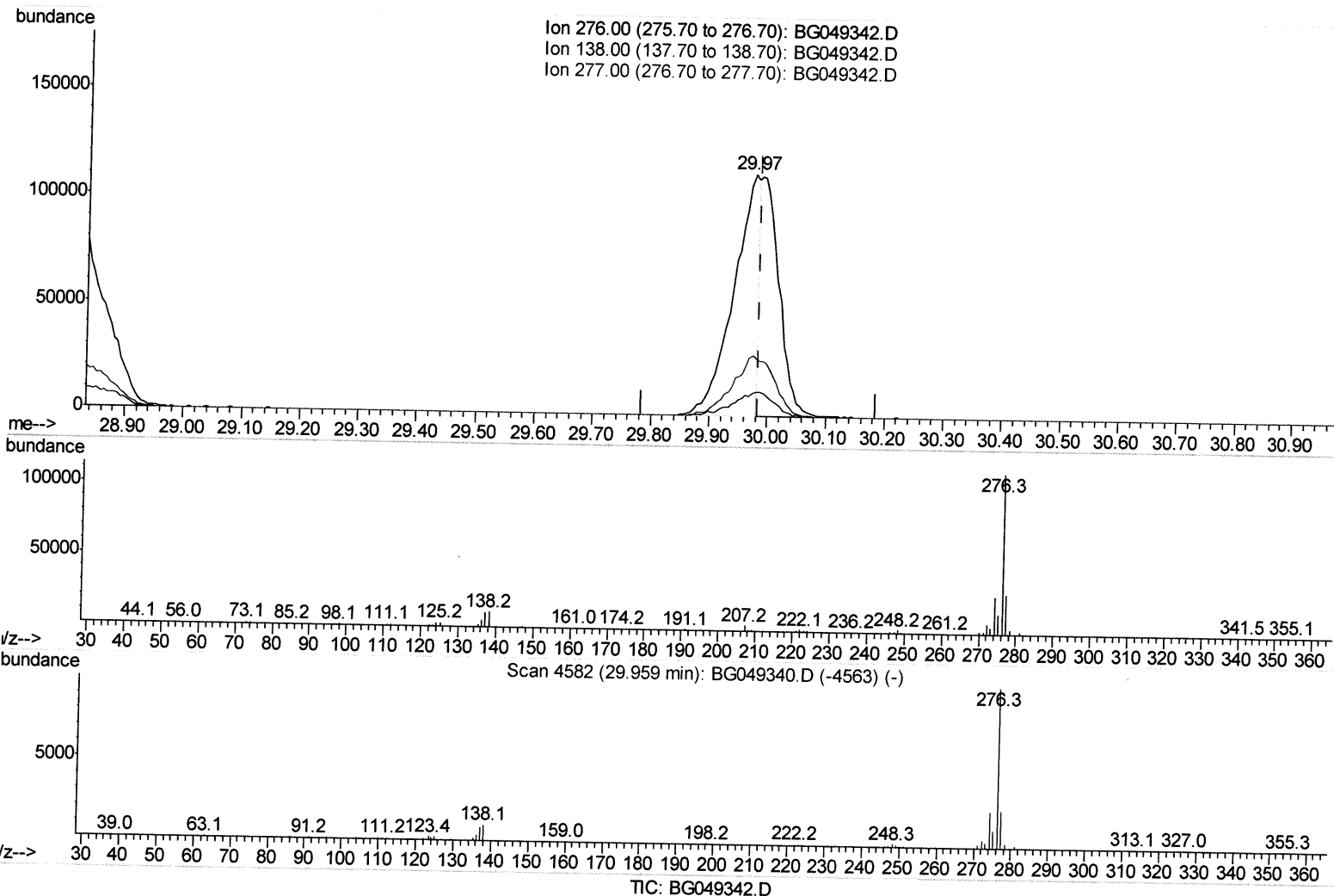
7/16/21

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
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 Operator : CG/JU
 Sample : PB137619BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED
 mohammad
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Quant Time: Jul 15 02:44:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration



(96) Benzo(g,h,i)perylene
 29.974min (-0.011) 23.62ng/ul
 response 333951

Ion	Exp%	Act%
276.00	100	100
138.00	9.00	9.52
277.00	20.40	24.84#
0.00	0.00	0.00

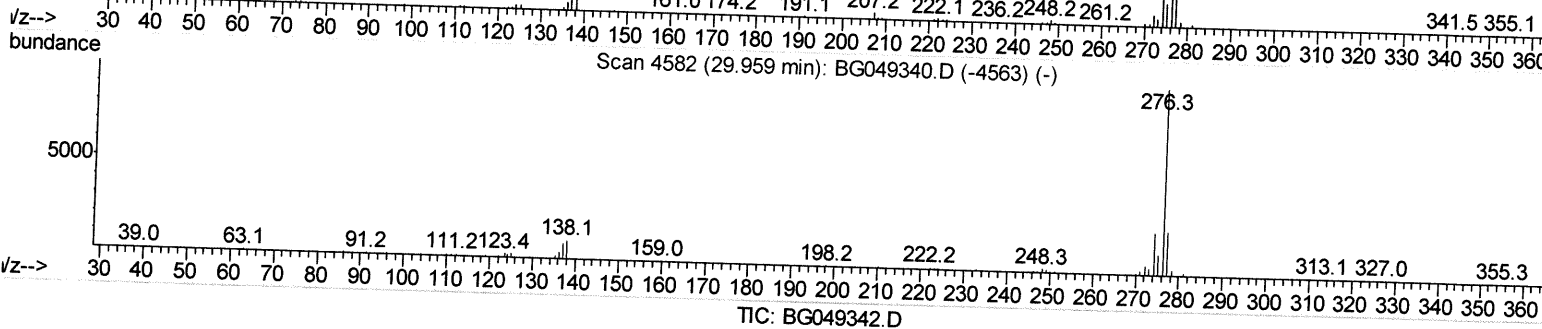
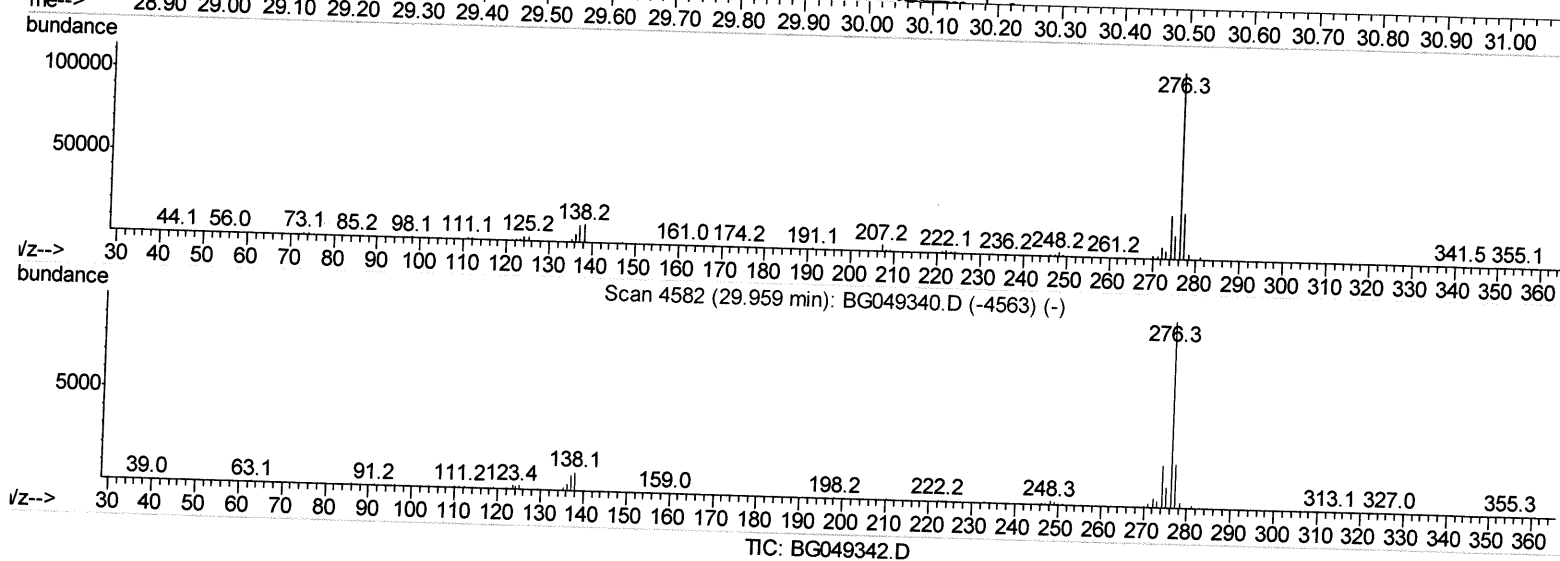
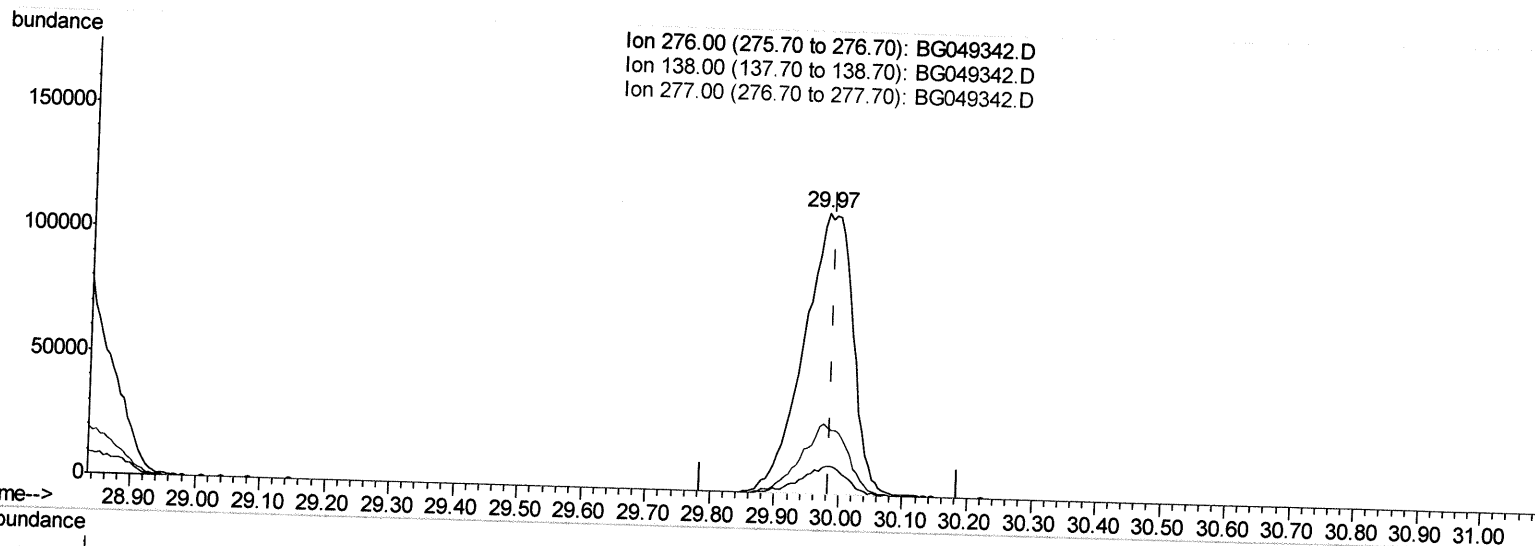
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
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Manual Integrations
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(96) Benzo(g,h,i)perylene

29.974min (-0.011) 41.75ng/ul m

response 590205

Ion	Exp%	Act%
276.00	100	100
138.00	9.00	9.52
277.00	20.40	24.84#
0.00	0.00	0.00

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Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
 Data File : BG049342.D
 Acq On : 15 Jul 2021 00:18
 Operator : CG/JU
 Sample : PB137619BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS619

Manual Integrations
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mohammad
 7/15/2021 11:32:24 AM

Quant Time: Jul 15 02:45:25 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	35880	20.00	ng/ul	-0.02
20) Naphthalene-d8	10.88	136	147216	20.00	ng/ul	-0.01
38) Acenaphthene-d10	14.71	164	104956	20.00	ng/ul	-0.01
64) Phenanthrene-d10	17.47	188	236310	20.00	ng/ul	0.00
79) Chrysene-d12	21.75	240	235258	20.00	ng/ul	0.00
88) Perylene-d12	25.03	264	244092	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	5796m	7.60	ng/ul	-0.01	7/16/21
4) Pyridine-d5	3.88	84	81053	36.14	ng/ul	-0.01	
7) Phenol-d5	7.22	99	124375	39.85	ng/ul	0.00	
9) Bis-(2-Chloroethyl)ether-d	7.39	67	69493	38.39	ng/ul	0.00	
11) 2-Chlorophenol-d4	7.60	132	92973	40.31	ng/ul	0.00	
15) 4-Methylphenol-d8	8.78	113	100104	40.03	ng/ul	0.00	
21) Nitrobenzene-d5	9.23	128	45300	40.10	ng/ul	0.00	
24) 2-Nitrophenol-d4	9.96	143	54054	41.68	ng/ul	-0.01	
28) 2,4-Dichlorophenol-d3	10.50	165	108092	42.72	ng/ul	-0.01	
31) 4-Chloroaniline-d4	11.02	131	122727	37.22	ng/ul	0.00	
46) Dimethylphthalate-d6	14.11	166	331950	41.12	ng/ul	0.00	
49) Acenaphthylene-d8	14.40	160	387234	40.89	ng/ul	-0.01	
54) 4-Nitrophenol-d4	14.92	143	49290	36.89	ng/ul	0.00	
60) Fluorene-d10	15.70	176	276000	40.39	ng/ul	-0.01	
65) 4,6-Dinitro-2-methylphenol	15.82	200	55393	36.88	ng/ul	0.00	
73) Anthracene-d10	17.57	188	436190	40.54	ng/ul	0.00	
81) Pyrene-d10	19.85	212	520523	43.17	ng/ul	-0.01	
92) Benzo(a)pyrene-d12	24.82	264	550218	43.36	ng/ul	0.00	

Target Compounds

2) 1,4-Dioxane	3.49	88	12596m	13.560	ng/ul	Ovalue	7/16/21
5) Pyridine	3.90	79	83739	33.656	ng/ul		
6) Benzaldehyde	7.20	77	76516m	40.752	ng/ul		96 7/16/21
8) Phenol	7.25	94	116209	37.231	ng/ul	94	
10) Bis(2-Chloroethyl)ether	7.48	93	83397	35.935	ng/ul	90	
12) 2-Chlorophenol	7.63	128	89545	38.459	ng/ul	97	
13) 2-Methylphenol	8.51	108	86956	36.574	ng/ul	91	
14) 2,2'-oxybis(1-Chloropropan	8.59	45	145591	39.002	ng/ul	96	
16) Acetophenone	8.89	105	150891	36.785	ng/ul	95	
17) N-Nitroso-di-n-propylamine	8.88	70	78318	37.575	ng/ul	94	
18) 4-Methylphenol	8.85	108	93203	37.682	ng/ul	95	
19) Hexachloroethane	9.16	117	40925	38.821	ng/ul	87	
22) Nitrobenzene	9.28	77	125550	39.409	ng/ul	97	
23) Isophorone	9.80	82	213914	38.871	ng/ul#	97	
25) 2-Nitrophenol	9.99	139	52928	40.006	ng/ul	95	
26) 2,4-Dimethylphenol	10.05	107	106995	36.524	ng/ul	95	
27) Bis(2-Chloroethoxy)methane	10.29	93	115903	39.503	ng/ul	92	
29) 2,4-Dichlorophenol	10.53	162	95255	41.199	ng/ul	95	
30) Naphthalene	10.94	128	282676	38.512	ng/ul	98	
32) 4-Chloroaniline	11.04	127	115861	35.638	ng/ul	98	
33) Hexachlorobutadiene	11.22	225	77137	39.342	ng/ul	96	
34) Caprolactam	11.81	113	29631m	36.840	ng/ul		7/16/21

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.17	107	105247	40.751	ng/ul	97
36) 2-Methylnaphthalene	12.54	142	220790	39.592	ng/ul	93
37) 1-Methylnaphthalene	12.76	142	211373	38.114	ng/ul#	91
39) 1,2,4,5-Tetrachlorobenzene	12.91	216	128260	38.907	ng/ul#	97
40) Hexachlorocyclopentadiene	12.89	237	71026	32.442	ng/ul	93
41) 2,4,6-Trichlorophenol	13.15	196	86872	40.739	ng/ul	93
42) 2,4,5-Trichlorophenol	13.22	196	92146	40.627	ng/ul	93
43) 1,1'-Biphenyl	13.55	154	279619	39.434	ng/ul	98
44) 2-Chloronaphthalene	13.59	162	213891	38.500	ng/ul	98
45) 2-Nitroaniline	13.79	65	82825	40.663	ng/ul	90
47) Dimethylphthalate	14.16	163	293763	39.210	ng/ul#	98
48) 2,6-Dinitrotoluene	14.28	165	63917	39.614	ng/ul	92
50) Acenaphthylene	14.43	152	323584	38.417	ng/ul	99
51) 3-Nitroaniline	14.62	138	56399	38.386	ng/ul	85
52) Acenaphthene	14.77	153	236735	38.701	ng/ul	99
53) 2,4-Dinitrophenol	14.82	184	43101m	42.150	ng/ul	99
55) 4-Nitrophenol	14.93	109	64433	38.204	ng/ul	90
56) Dibenzofuran	15.11	168	338445	39.040	ng/ul	95
57) 2,4-Dinitrotoluene	15.07	165	90296	38.781	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.34	232	81675	38.402	ng/ul	93
59) Diethylphthalate	15.52	149	313317	38.905	ng/ul	99
61) Fluorene	15.76	166	286288	39.020	ng/ul	92
62) 4-Chlorophenyl-phenylether	15.75	204	160931	39.899	ng/ul	97
63) 4-Nitroaniline	15.79	138	56146	38.926	ng/ul#	79
66) 4,6-Dinitro-2-methylphenol	15.84	198	52387	36.651	ng/ul#	97
67) N-Nitrosodiphenylamine	15.96	169	244706	40.673	ng/ul	98
68) 4-Bromophenyl-phenylether	16.64	248	111022	42.123	ng/ul	94
69) Hexachlorobenzene	16.77	284	125416	42.016	ng/ul	97
70) Atrazine	16.91	200	112524	40.865	ng/ul	98
71) Pentachlorophenol	17.11	266	96101	53.943	ng/ul	98
72) Phenanthrene	17.51	178	467551	40.565	ng/ul	99
74) Anthracene	17.59	178	452348	38.419	ng/ul	98
75) 1,2,3,4-Tetrachlorobenzene	13.51	216	135063	41.896	ng/uL	94
76) Pentachlorobenzene	15.03	250	143722	42.025	ng/uL	97
77) Carbazole	17.86	167	409967	39.032	ng/ul	99
78) Di-n-butylphthalate	18.42	149	504374	38.380	ng/ul	99
80) Fluoranthene	19.51	202	573295	40.881	ng/ul	99
82) Pyrene	19.87	202	556097	39.799	ng/ul	99
83) Butylbenzylphthalate	20.76	149	225357	41.081	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.64	252	217101	39.497	ng/ul	97
85) Benzo(a)anthracene	21.73	228	577797	39.965	ng/ul	98
86) Bis(2-ethylhexyl)phthalate	21.63	149	334907	41.858	ng/ul	99
87) Chrysene	21.80	228	544543	39.819	ng/ul	99
89) Di-n-octyl phthalate	22.86	149	550912	40.097	ng/ul	100
90) Benzo(b)fluoranthene	23.99	252	636237	42.252	ng/ul#	98
91) Benzo(k)fluoranthene	24.06	252	599856m	40.856	ng/ul	97
93) Benzo(a)pyrene	24.89	252	550099	41.511	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.79	276	711606m	41.619	ng/ul	95
95) Dibenzo(a,h)anthracene	28.87	278	587606	41.492	ng/ul	95
96) Benzo(g,h,i)perylene	29.97	276	590205m	41.751	ng/ul	95

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

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