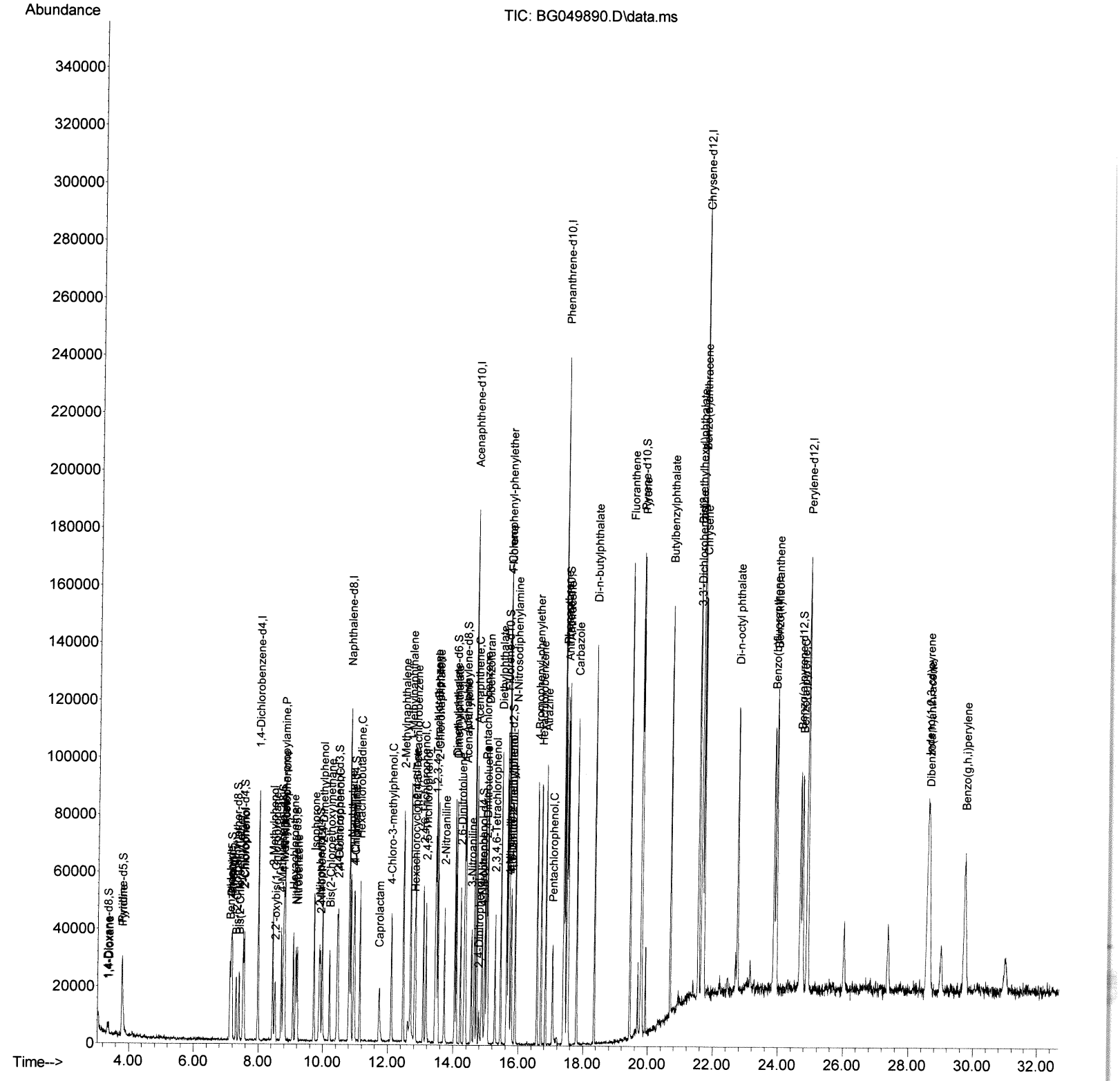
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
mohammad
8/20/2021 2:23:01 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
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Instrument :
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Manual Integrations APPROVED
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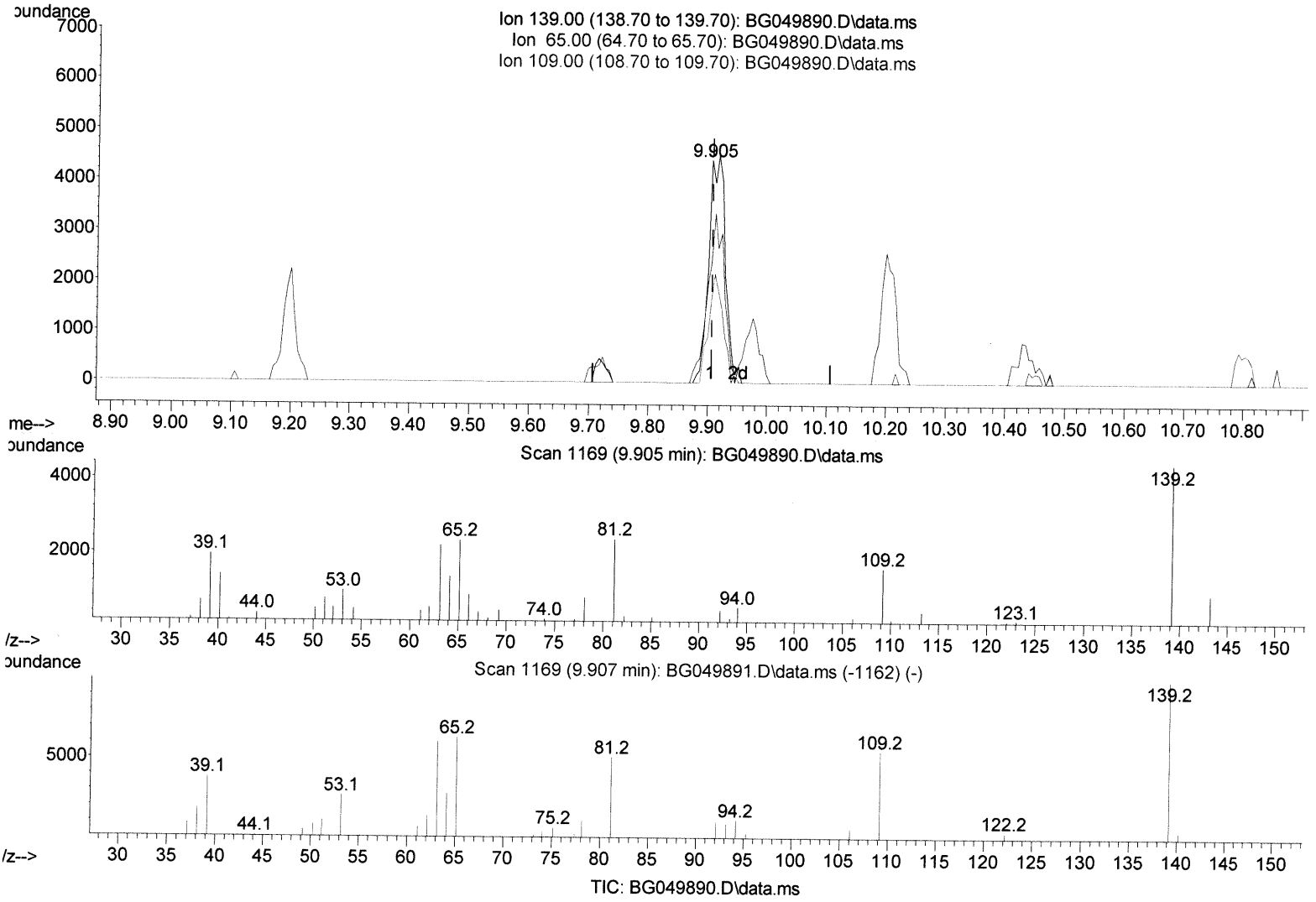

(25) 2-Nitrophenol (C)

9.905min (-0.002) 4.97 ng/ul

response 4218

Ion	Exp%	Act%
139.00	100.00	100.00
65.00	66.40	52.86#
109.00	55.10	36.43#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
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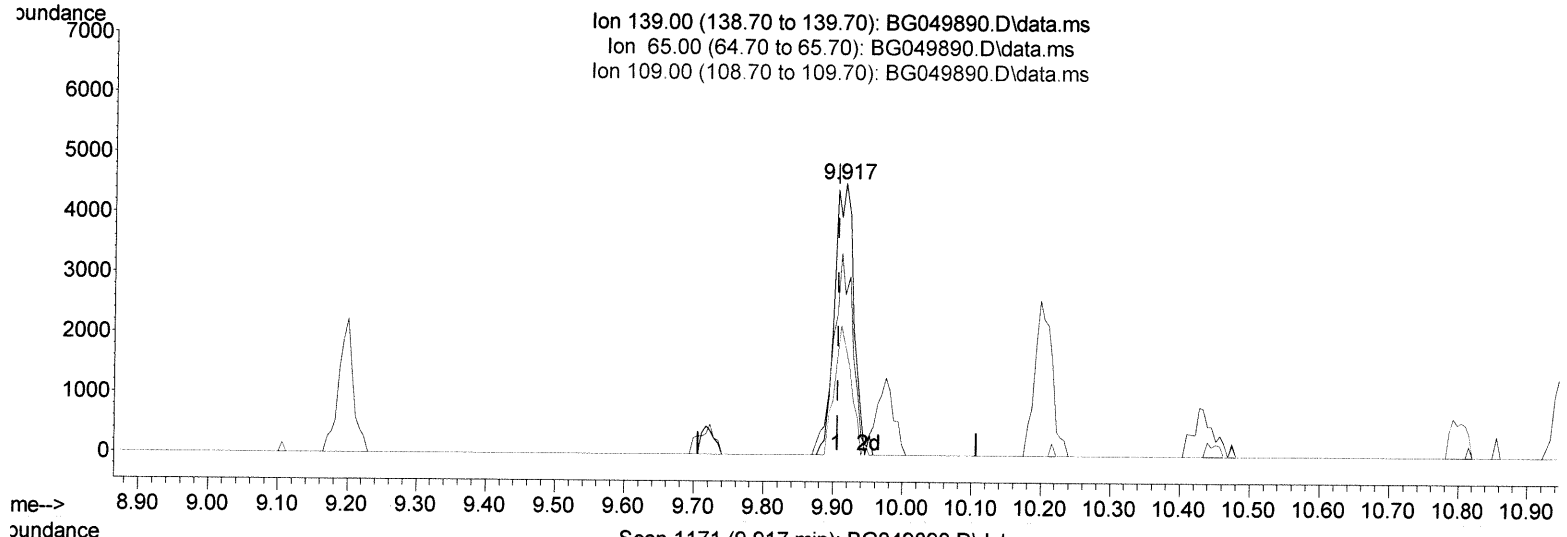

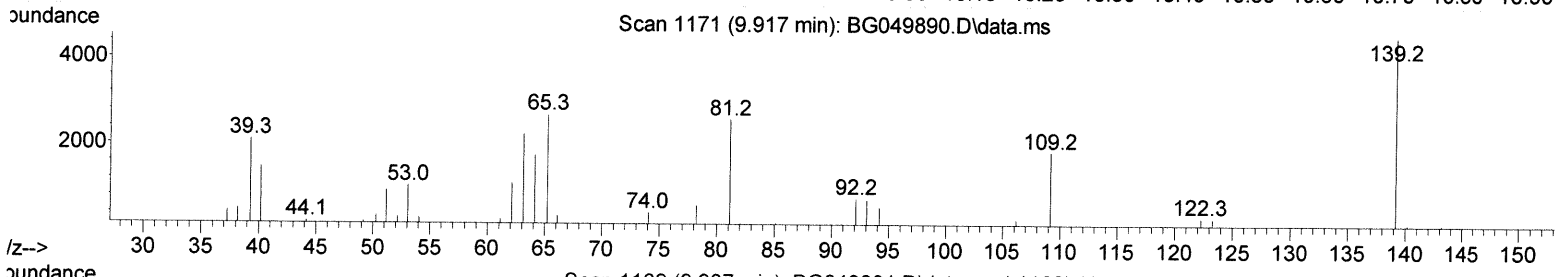

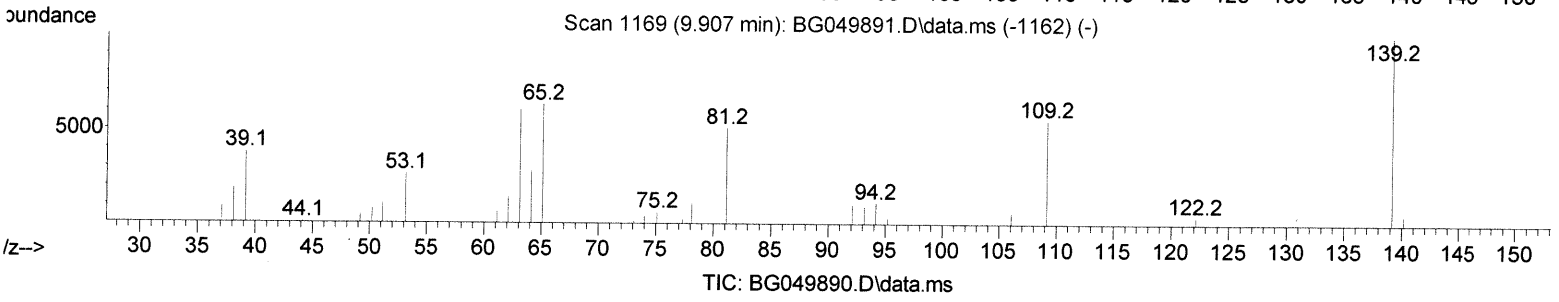

(25) 2-Nitrophenol (C)

9.917min (+ 0.010) 10.19 ng/ul m TH 8/20/21

response 8641

Ion	Exp%	Act%
139.00	100.00	100.00
65.00	66.40	59.16
109.00	55.10	40.58#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
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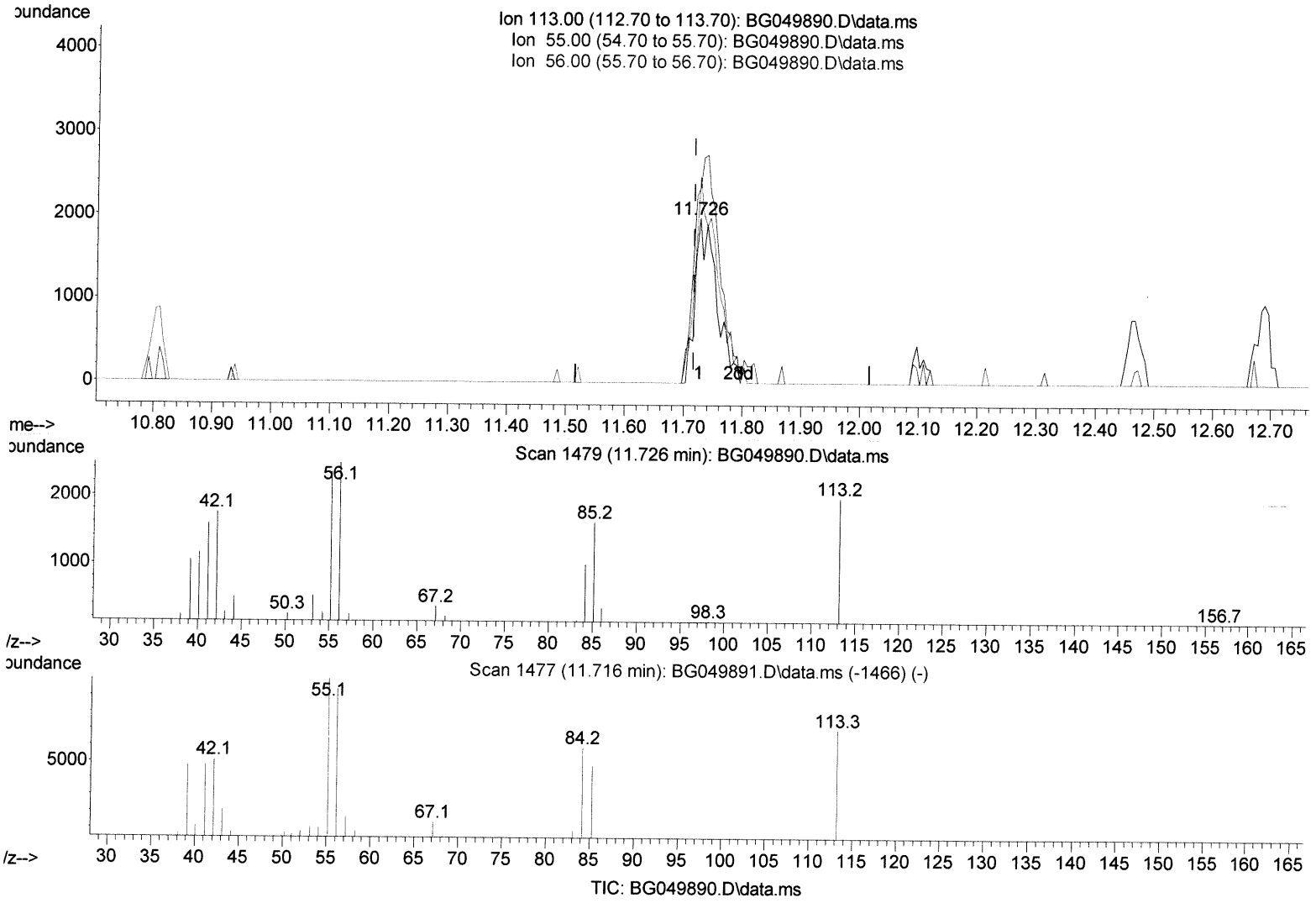
8/20/2021 2:23:01 PM



(34) Caprolactam

11.726min (+ 0.010) 4.27 ng/ul

response 2115

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	118.94
56.00	134.20	125.52
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
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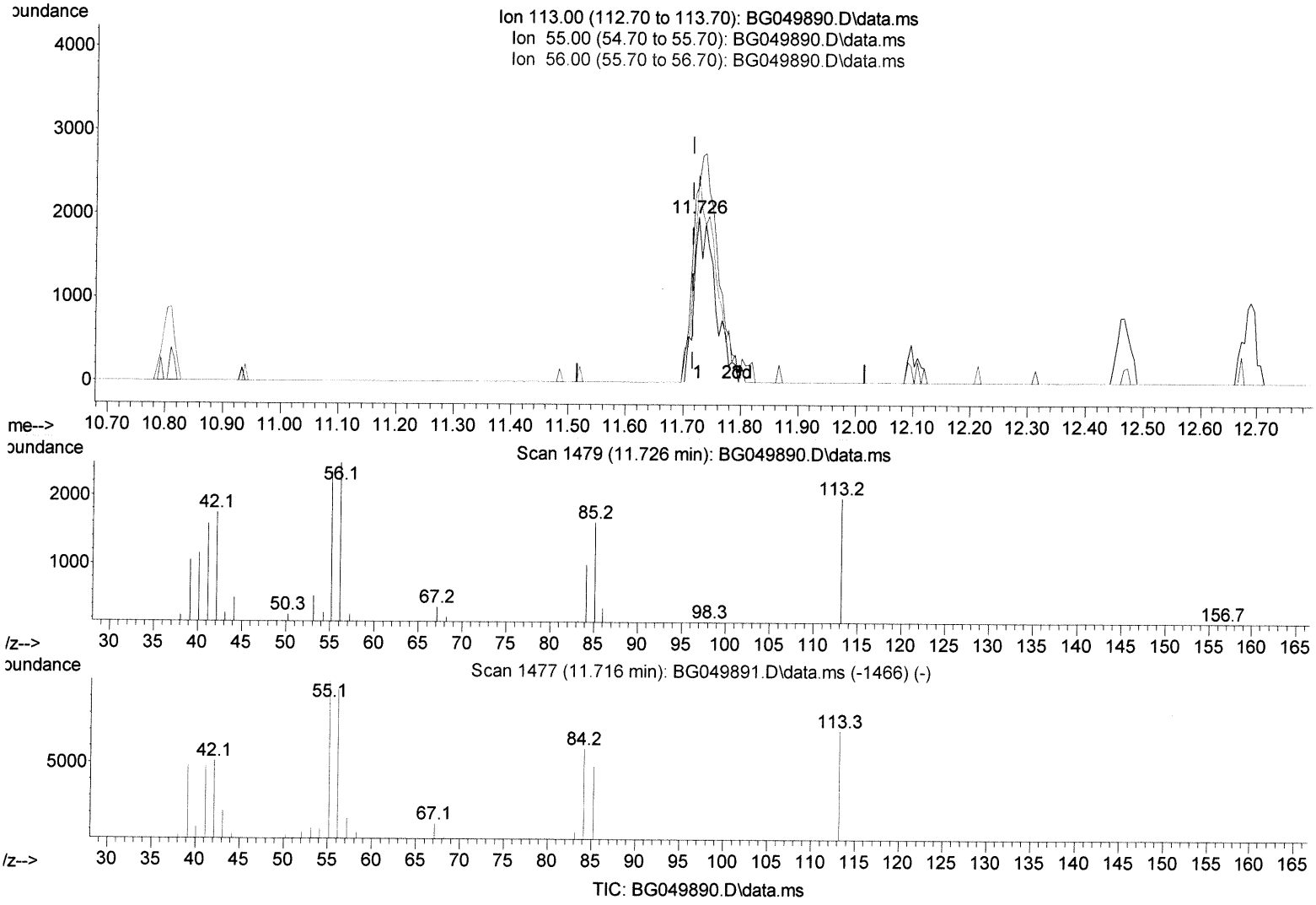

(34) Caprolactam

11.726min (+ 0.010) 10.17 ng/ul m

response 5034

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	118.94
56.00	134.20	125.52
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
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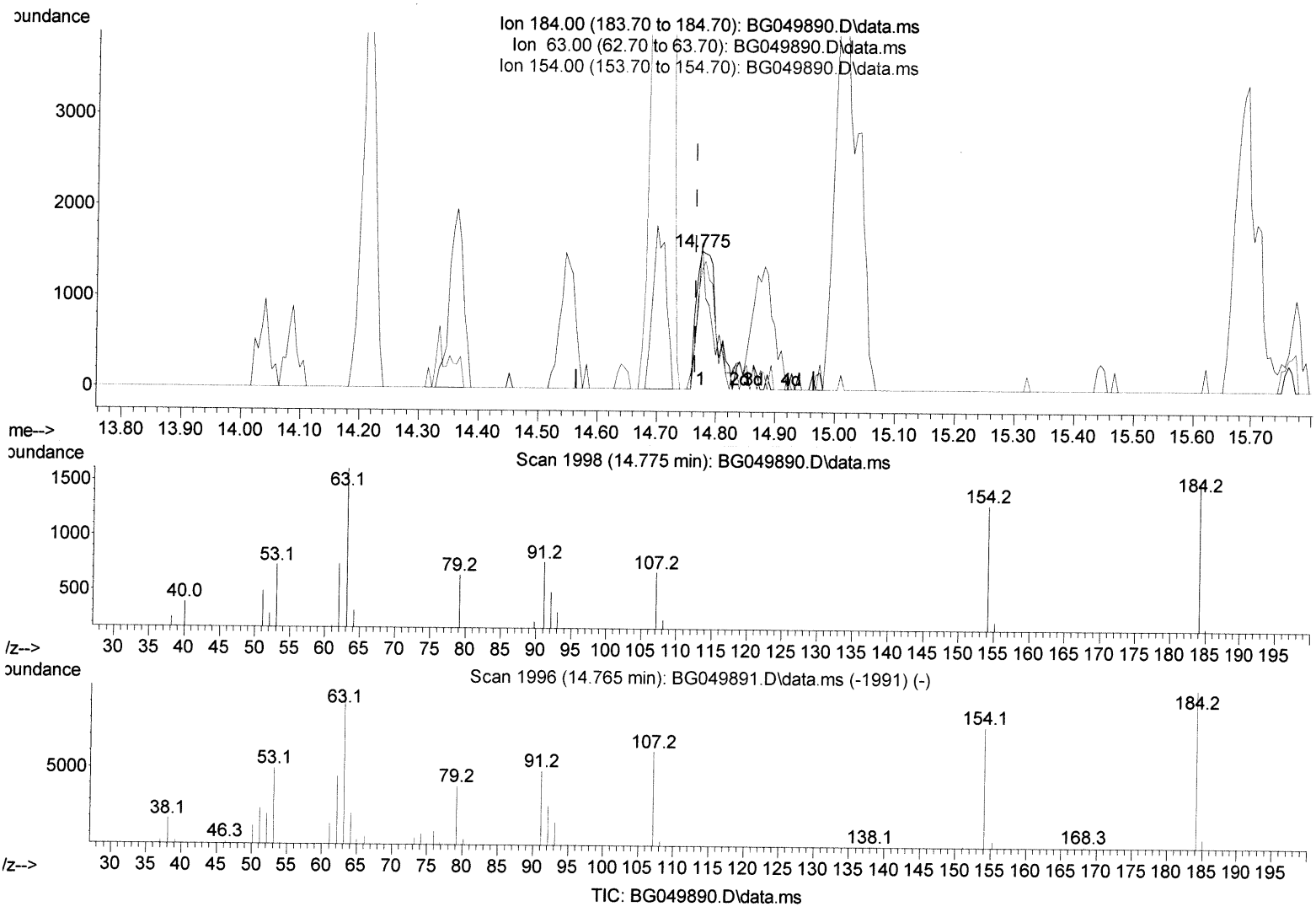

(53) 2,4-Dinitrophenol

14.775min (+ 0.010) 5.81 ng/ul

response 3144

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	94.80	105.73
154.00	80.70	85.52
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
mohammad
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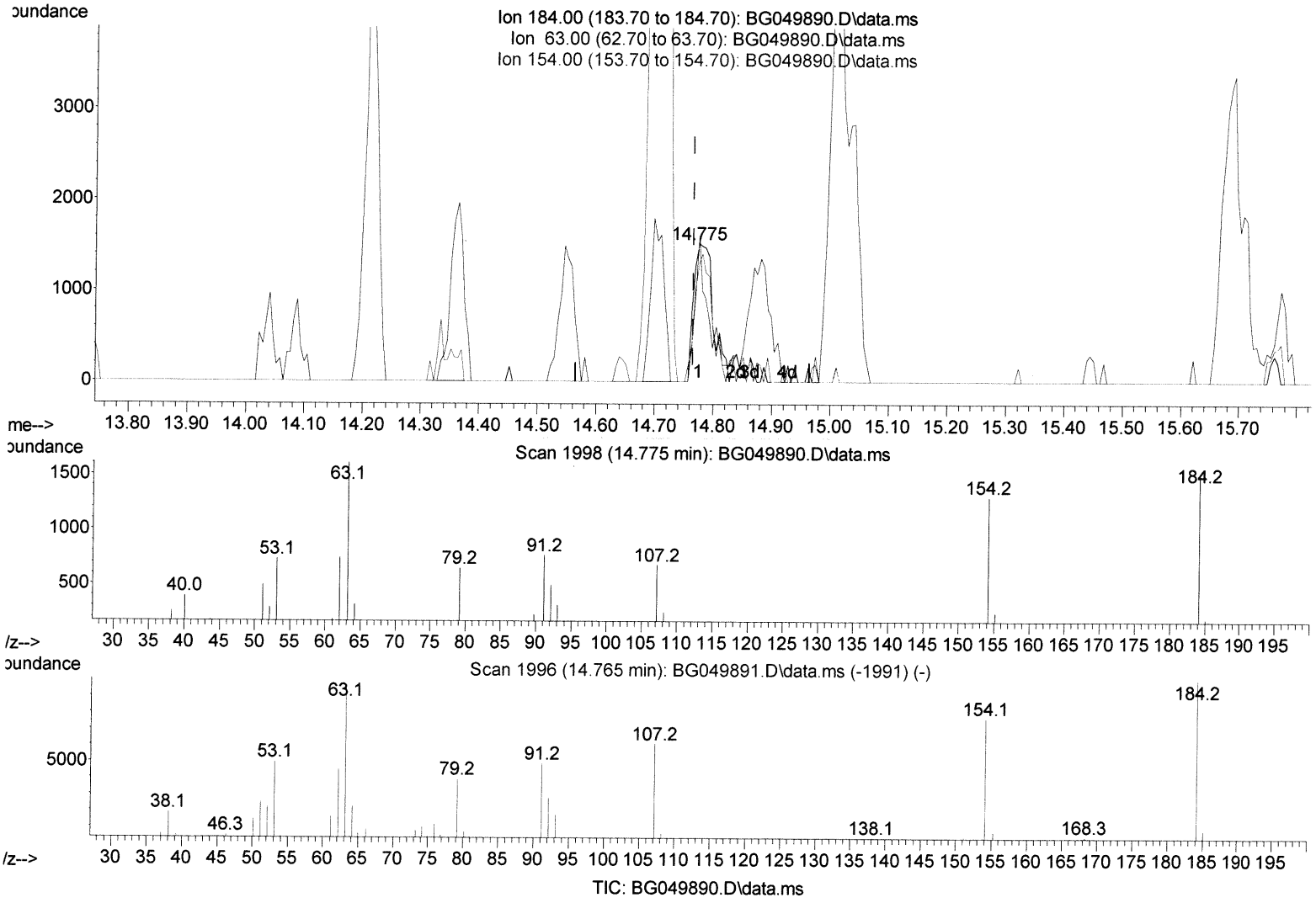

(53) 2,4-Dinitrophenol

14.775min (+ 0.010) 6.53 ng/ul m

8/20/21

response 3533

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	94.80	105.73
154.00	80.70	85.52
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
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QLast Update : Thu Aug 19 11:48:04 2021
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Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
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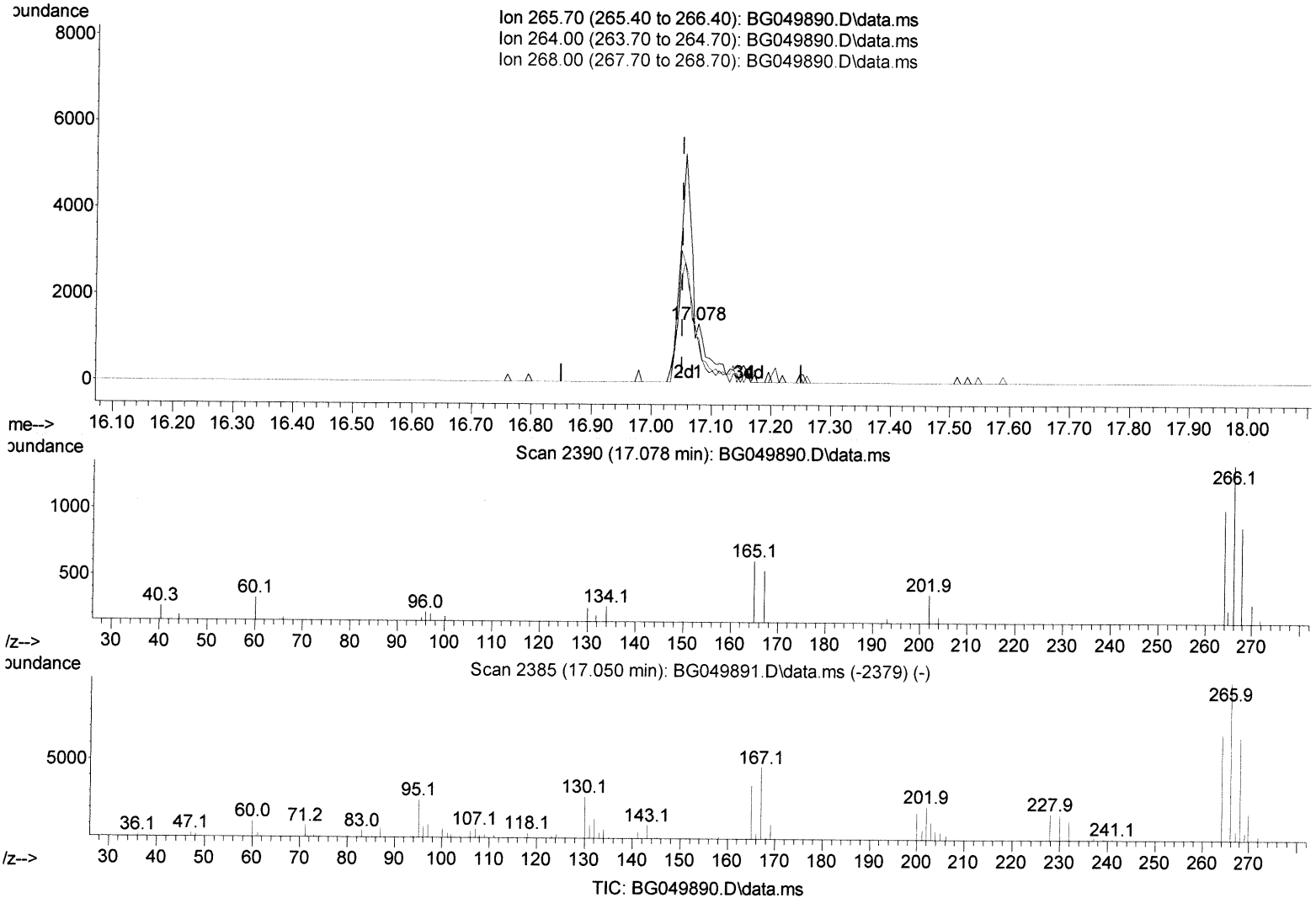

(71) Pentachlorophenol (C)

17.078min (+ 0.027) 2.30 ng/ul

response 1563

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.60	74.93
268.00	65.70	65.13
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
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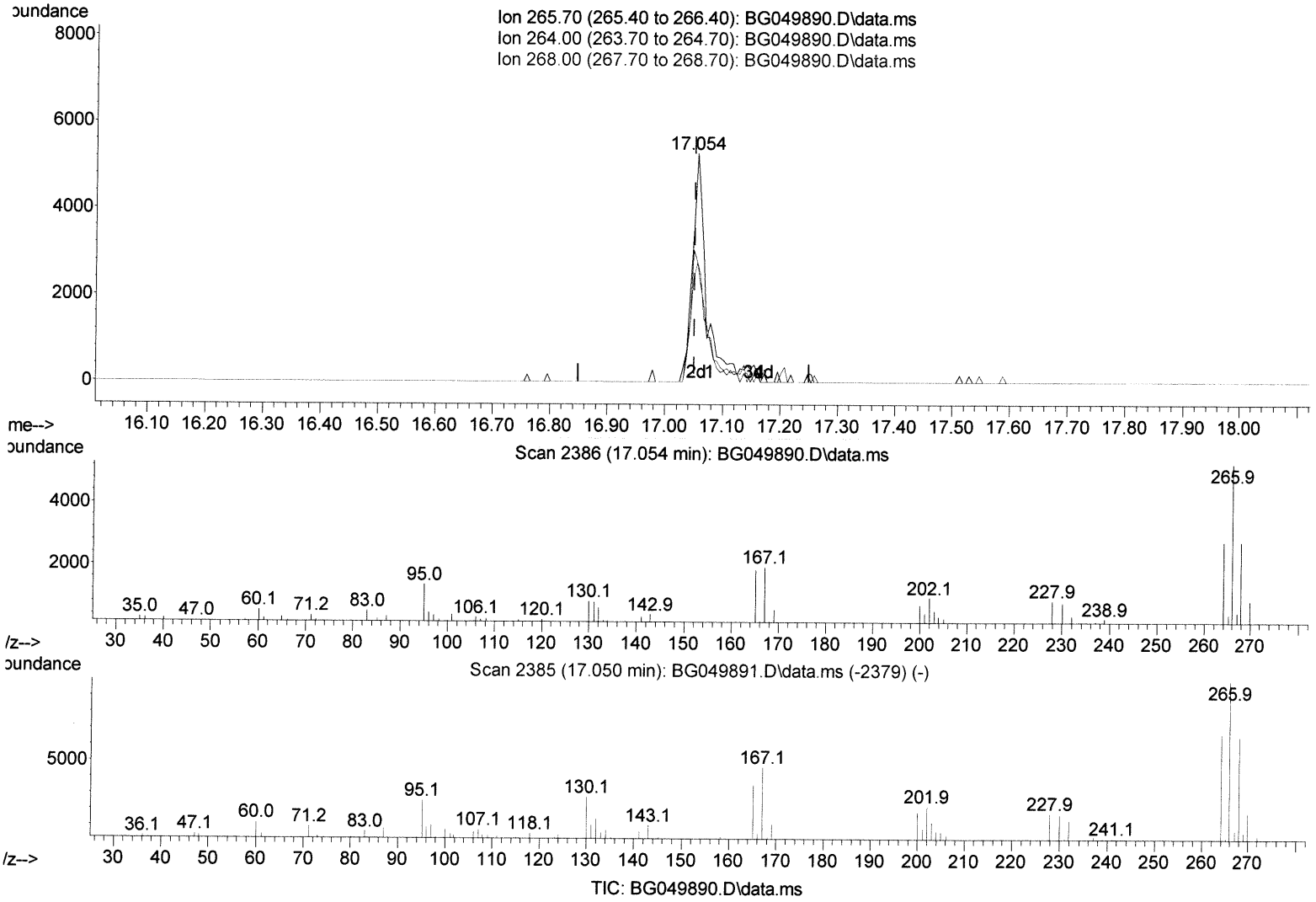


(71) Pentachlorophenol (C)

17.054min (+ 0.004) 13.13 ng/ul m

response 8942

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.60	52.18#
268.00	65.70	52.31#
0.00	0.00	0.00

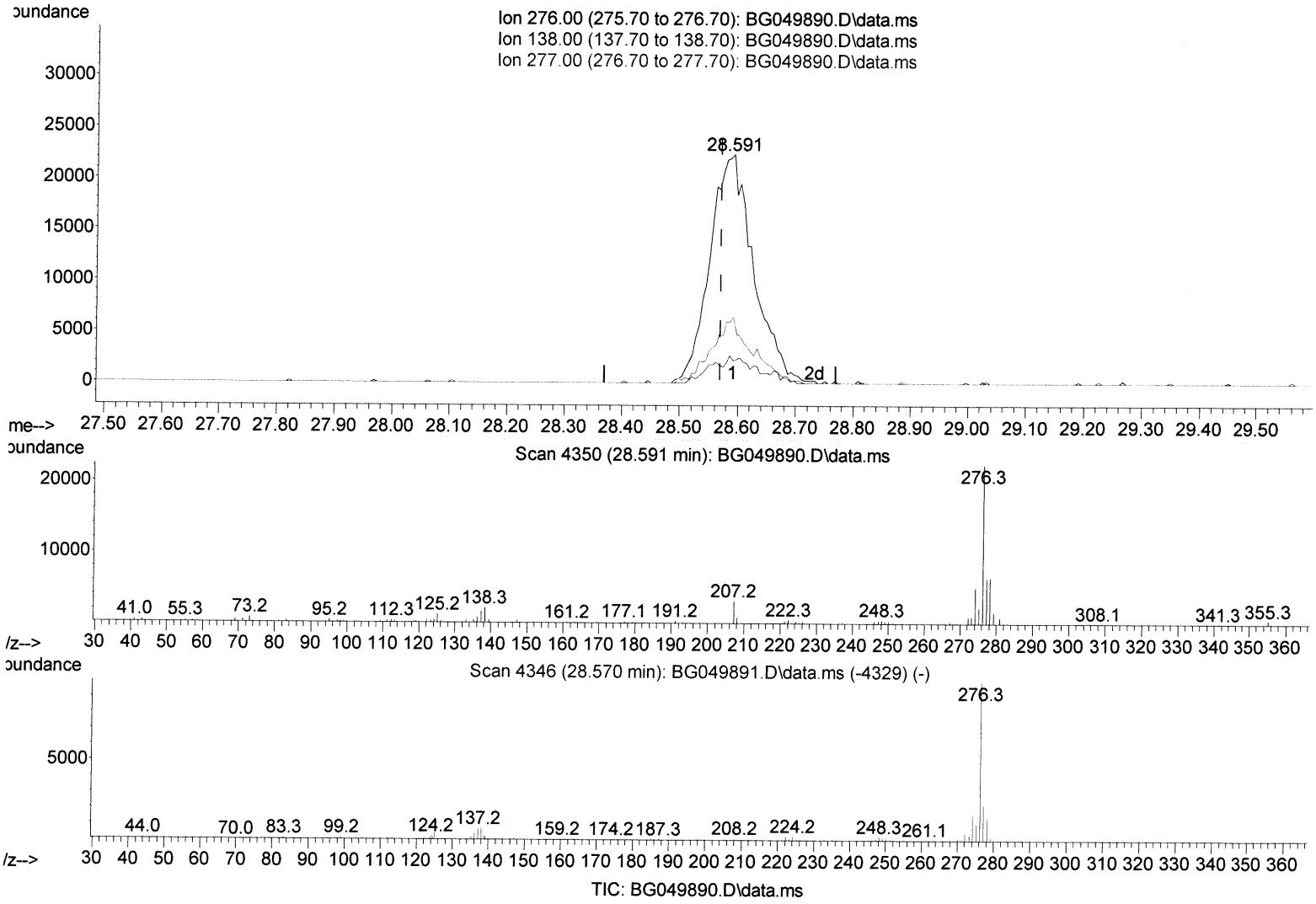
JE 8/20/21

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
mohammad
8/20/2021 2:23:01 PM



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

28.591min (+ 0.021) 7.06 ng/ul

response 73097

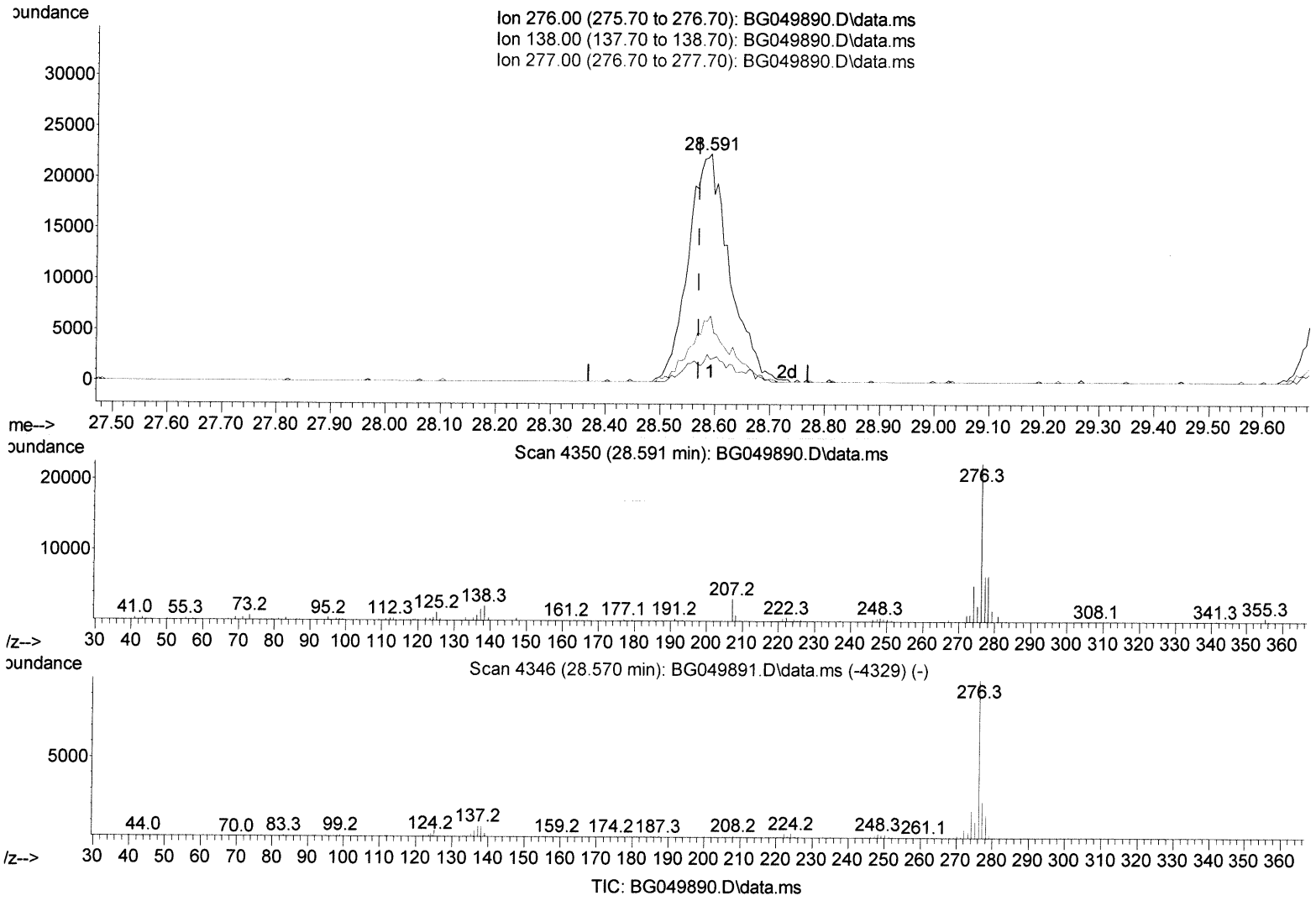
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	9.87#
277.00	23.20	28.98#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
mohammad
8/20/2021 2:23:01 PM



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

28.591min (+ 0.021) 11.17 ng/ul m

8/20/21

response 115527

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	9.87#
277.00	23.20	28.98#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
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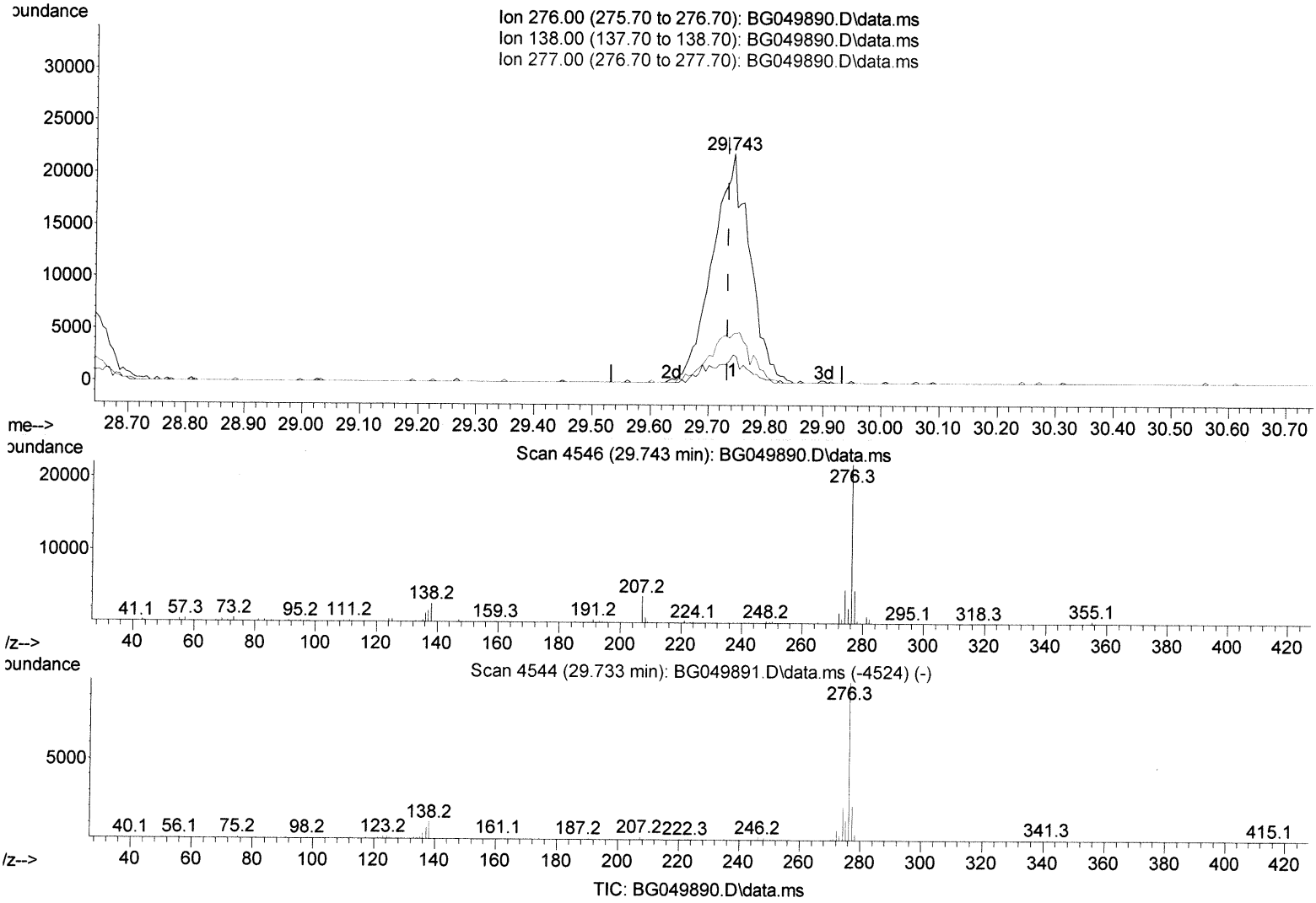

(96) Benzo(g,h,i)perylene

29.743min (+ 0.010) 7.38 ng/ul

response 63755

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	12.22
277.00	21.70	21.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049890.D
Acq On : 19 Aug 2021 10:00
Operator : CG/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010423

Manual Integrations APPROVED
mohammad
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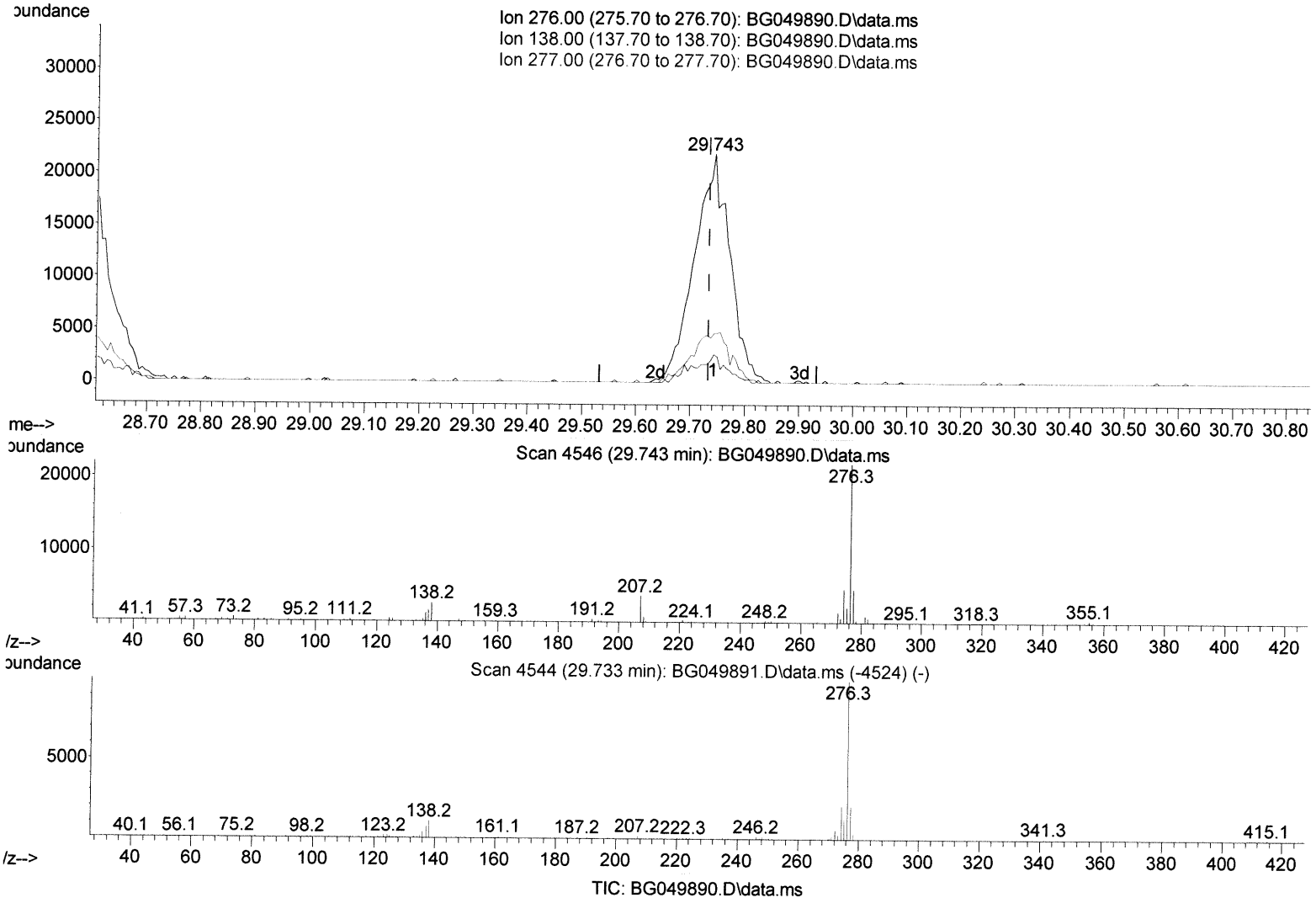

(96) Benzo(g,h,i)perylene

29.743min (+ 0.010) 11.45 ng/ul m

response 98927

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	12.22
277.00	21.70	21.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
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Quant Time: Aug 19 11:51:55 2021
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	24396	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	94369	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.640	164	66202	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.389	188	152962	20.000	ng/ul	0.00
79) Chrysene-d12	21.665	240	146140	20.000	ng/ul	0.00
88) Perylene-d12	24.890	264	144449	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	1907	4.102	ng/uL	0.00
4) Pyridine-d5	3.778	84	11622	8.337	ng/ul	0.00
7) Phenol-d5	7.150	99	18802	8.878	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.308	67	10833	9.129	ng/ul	0.00
11) 2-Chlorophenol-d4	7.520	132	15562	9.917	ng/ul	0.00
15) 4-Methylphenol-d8	8.707	113	14844	8.922	ng/ul	0.00
21) Nitrobenzene-d5	9.153	128	7779	10.670	ng/ul	0.00
24) 2-Nitrophenol-d4	9.887	143	9715	11.073	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.434	165	16341	10.551	ng/ul	0.00
31) 4-Chloroaniline-d4	10.945	131	21908	10.378	ng/ul	0.00
46) Dimethylphthalate-d6	14.040	166	52173	10.345	ng/ul	0.00
49) Acenaphthylene-d8	14.334	160	64172	10.819	ng/ul	0.00
54) 4-Nitrophenol-d4	14.863	143	6349	9.463	ng/ul	0.00
60) Fluorene-d10	15.632	176	45561	10.557	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.762	200	8573	8.496	ng/ul	0.00
73) Anthracene-d10	17.489	188	73953	10.822	ng/ul	0.00
81) Pyrene-d10	19.780	212	85255	10.639	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.667	264	81547	10.831	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.384	88	2182	4.324	ng/uL#	74
5) Pyridine	3.801	79	14020	9.493	ng/ul	89
6) Benzaldehyde	7.115	77	10432	8.859	ng/ul	85
8) Phenol	7.179	94	19068	9.180	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.402	93	13325	9.098	ng/ul	96
12) 2-Chlorophenol	7.549	128	15194	9.919	ng/ul#	80
13) 2-Methylphenol	8.436	108	15521	9.482	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.513	45	14344	9.086	ng/ul#	90
16) Acetophenone	8.806	105	25724	9.621	ng/ul#	91
17) N-Nitroso-di-n-propyla...	8.789	70	13482	9.667	ng/ul	96
18) 4-Methylphenol	8.765	108	16982	9.709	ng/ul	88
19) Hexachloroethane	9.071	117	6621	9.343	ng/ul	93
22) Nitrobenzene	9.200	77	20557	10.296	ng/ul#	90
23) Isophorone	9.717	82	36823	10.315	ng/ul	98
25) 2-Nitrophenol	9.917	139	8641m	10.187	ng/ul	JU 8/20/21
26) 2,4-Dimethylphenol	9.975	107	19791	10.143	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.205	93	19773	10.650	ng/ul	99
29) 2,4-Dichlorophenol	10.463	162	14496	10.016	ng/ul	93
30) Naphthalene	10.851	128	49783	10.452	ng/ul	98
32) 4-Chloroaniline	10.968	127	21453	10.451	ng/ul#	86
33) Hexachlorobutadiene	11.133	225	12317	10.178	ng/ul	92
34) Caprolactam	11.726	113	5034m	10.174	ng/ul	JU 8/20/21
35) 4-Chloro-3-methylphenol	12.096	107	17107	9.853	ng/ul	91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
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Acq On : 19 Aug 2021 10:00
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 11:51:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 11:48:04 2021
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : SSTD010423

Manual Integrations APPROVED
mohammad
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.466	142	38107	10.589	ng/ul	99
37) 1-Methylnaphthalene	12.684	142	37905	10.587	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.836	216	19876	9.637	ng/ul#	94
40) Hexachlorocyclopentadiene	12.807	237	8612	12.073	ng/ul	97
41) 2,4,6-Trichlorophenol	13.077	196	12995	10.223	ng/ul	86
42) 2,4,5-Trichlorophenol	13.159	196	13490	10.682	ng/ul	99
43) 1,1'-Biphenyl	13.471	154	49162	10.437	ng/ul	95
44) 2-Chloronaphthalene	13.518	162	39801	10.745	ng/ul	100
45) 2-Nitroaniline	13.723	65	13524	10.535	ng/ul	91
47) Dimethylphthalate	14.087	163	52424	10.683	ng/ul	99
48) 2,6-Dinitrotoluene	14.217	165	10528	10.370	ng/ul	91
50) Acenaphthylene	14.364	152	58090	10.640	ng/ul	98
51) 3-Nitroaniline	14.546	138	10065	10.729	ng/ul	95
52) Acenaphthene	14.704	153	42657	10.811	ng/ul	95
53) 2,4-Dinitrophenol	14.775	184	3533m	6.533	ng/ul	
55) 4-Nitrophenol	14.881	109	8033	9.277	ng/ul	97
56) Dibenzofuran	15.039	168	58984	10.993	ng/ul	98
57) 2,4-Dinitrotoluene	15.010	165	15964	10.776	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.274	232	10431	9.978	ng/ul#	98
59) Diethylphthalate	15.450	149	53687	10.660	ng/ul	99
61) Fluorene	15.691	166	49486	10.879	ng/ul#	92
62) 4-Chlorophenyl-phenyle...	15.679	204	25426	10.564	ng/ul	98
63) 4-Nitroaniline	15.715	138	9109	9.873	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.779	198	8201	8.954	ng/ul#	92
67) N-Nitrosodiphenylamine	15.897	169	42004	10.188	ng/ul	96
68) 4-Bromophenyl-phenylether	16.572	248	17103	9.948	ng/ul	95
69) Hexachlorobenzene	16.702	284	19414	10.030	ng/ul	98
70) Atrazine	16.843	200	20332	11.449	ng/ul	96
71) Pentachlorophenol	17.054	266	8942m	13.132	ng/ul	
72) Phenanthrene	17.436	178	80517	10.573	ng/ul	99
74) Anthracene	17.524	178	81984	10.674	ng/ul#	95
75) 1,2,3,4-Tetrachloroben...	13.441	216	21321	9.833	ng/uL	98
76) Pentachlorobenzene	14.963	250	21562	9.500	ng/uL	92
77) Carbazole	17.800	167	74855	10.978	ng/ul	98
78) Di-n-butylphthalate	18.346	149	93472	10.709	ng/ul#	96
80) Fluoranthene	19.445	202	102633	10.372	ng/ul	99
82) Pyrene	19.809	202	103191	10.600	ng/ul	97
83) Butylbenzylphthalate	20.684	149	40433	10.434	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.554	252	37064	10.522	ng/ul	99
85) Benzo(a)anthracene	21.642	228	96143	10.451	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.536	149	54194	10.077	ng/ul	99
87) Chrysene	21.712	228	90470	10.456	ng/ul	93
89) Di-n-octyl phthalate	22.740	149	89156	10.463	ng/ul	100
90) Benzo(b)fluoranthene	23.868	252	93789	10.414	ng/ul#	96
91) Benzo(k)fluoranthene	23.927	252	91832	10.322	ng/ul	98
93) Benzo(a)pyrene	24.732	252	85719	10.857	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.591	276	115527m	11.166	ng/ul	
95) Dibenzo(a,h)anthracene	28.638	278	100361	11.513	ng/ul	94
96) Benzo(g,h,i)perylene	29.743	276	98927m	11.447	ng/ul	

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