

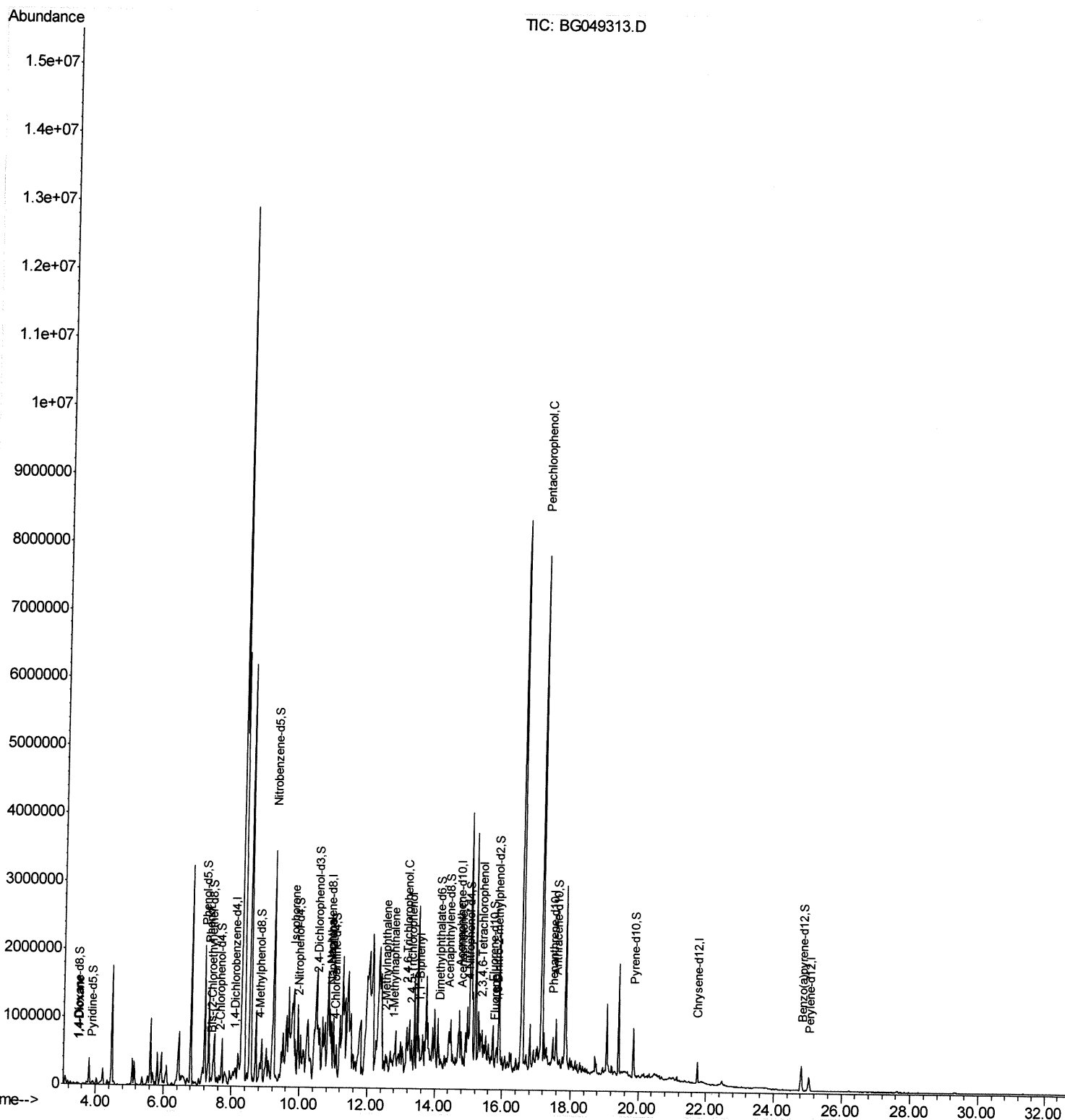
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
Data File : BG049313.D
Acq On : 13 Jul 2021 10:10
Operator : CG/JU
Sample : M2958-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DBK27

Manual Integrations
APPROVED

mohammad
7/13/2021 4:40:36 PM

Quant Time: Jul 13 11:30:27 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



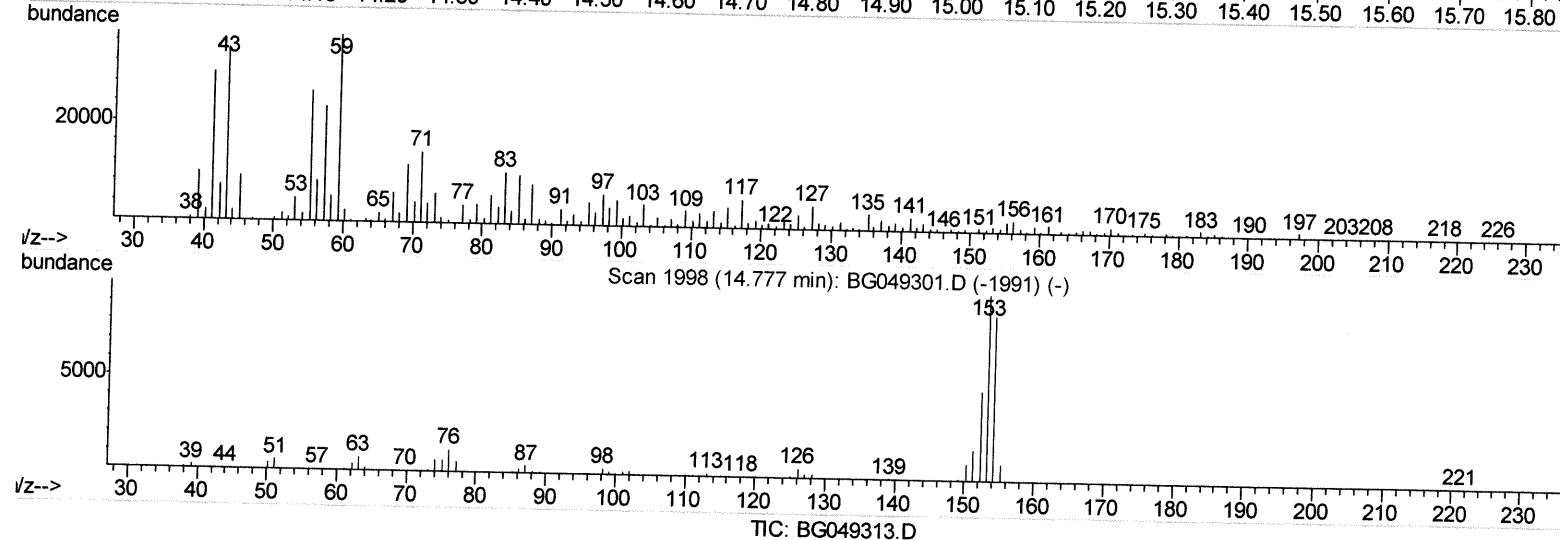
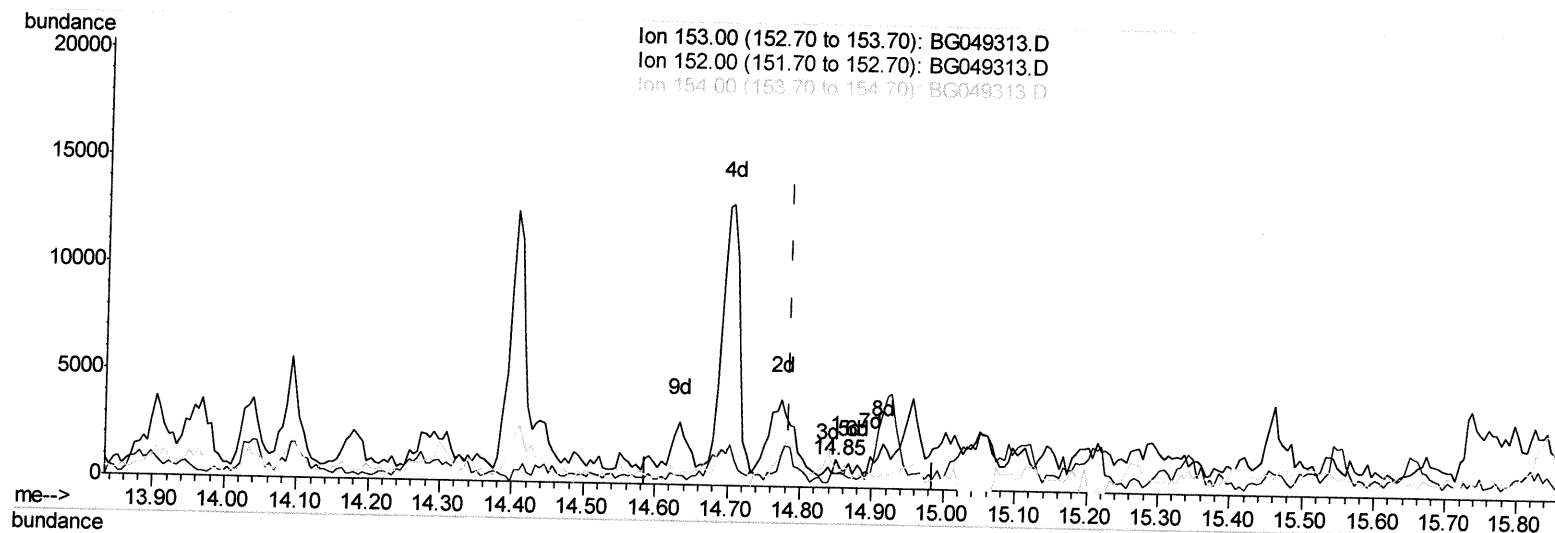
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
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Quant Time: Jul 13 10:58:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration



(52) Acenaphthene (C)

14.850min (+0.064) 0.06ng/ul

response 315

Ion	Exp%	Act%
153.00	100	100
152.00	47.20	50.62
154.00	85.20	78.15
0.00	0.00	0.00

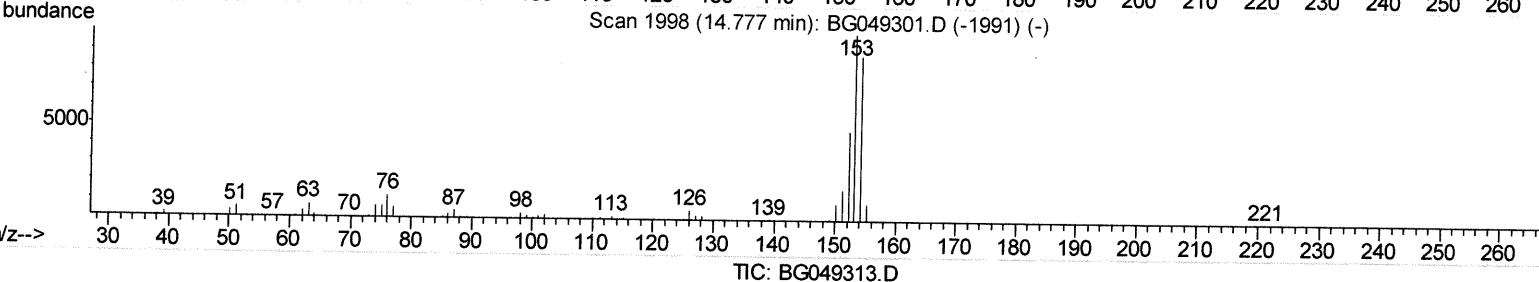
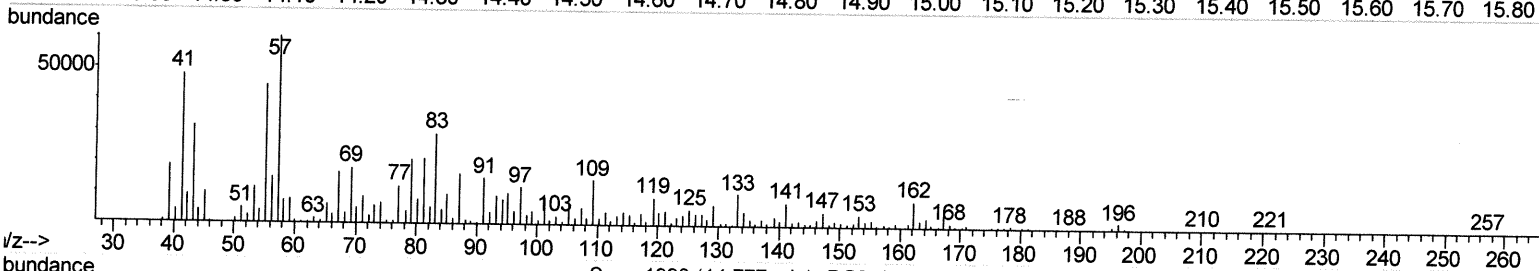
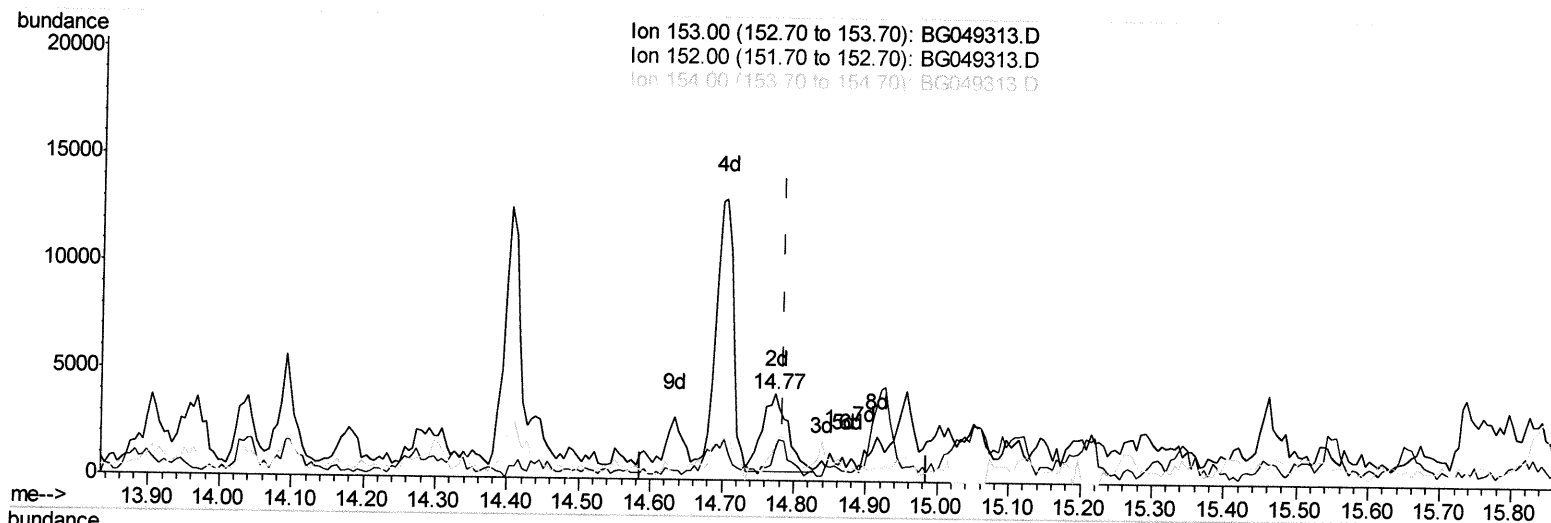
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
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(52) Acenaphthene (C)

14.774min (-0.012) 1.69ng/ul m

response 8968

747/10/21

Ion	Exp%	Act%
153.00	100	100
152.00	47.20	35.47#
154.00	85.20	40.21#
0.00	0.00	0.00

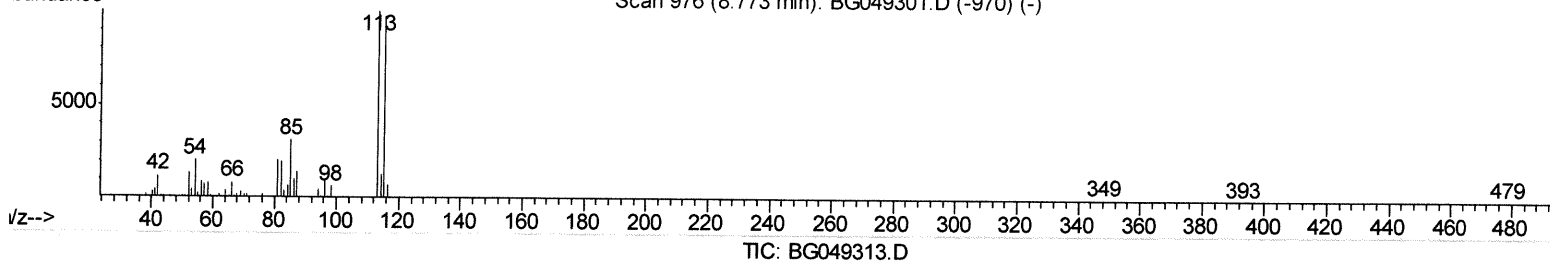
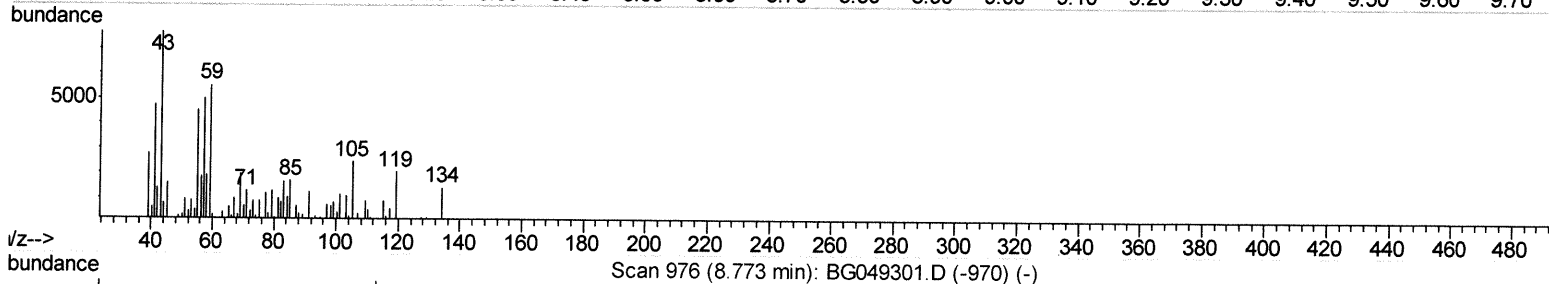
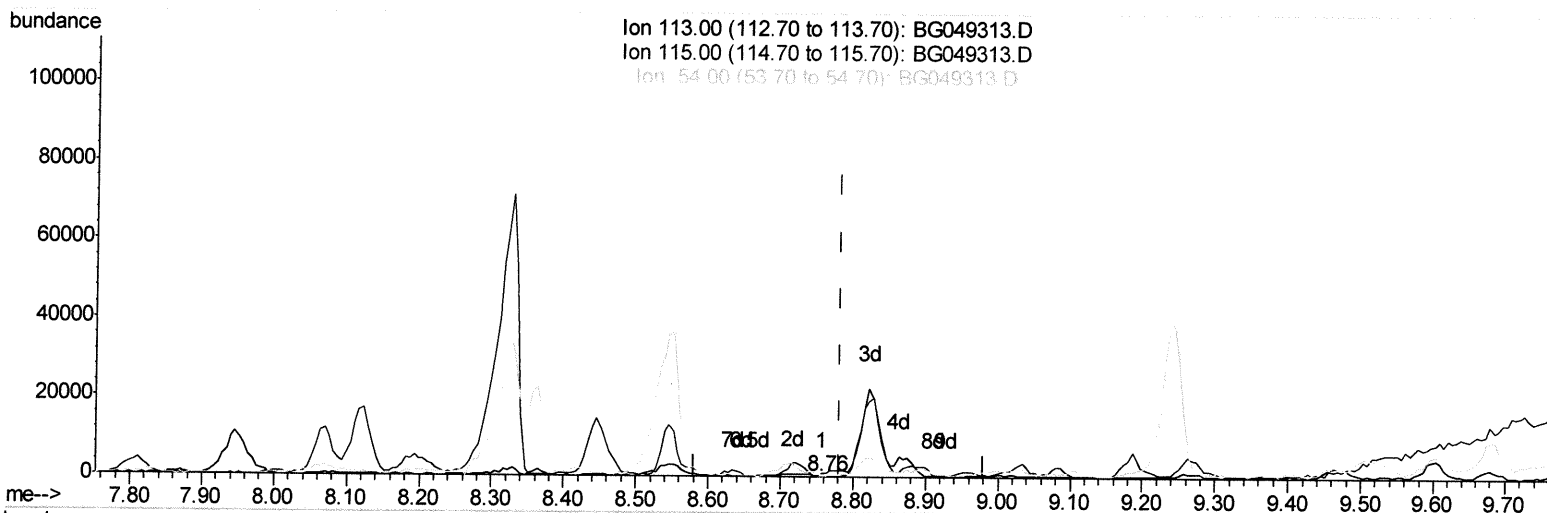
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
 Data File : BG049313.D
 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Jul 13 11:01:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
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(15) 4-Methylphenol-d8 (S)

8.757min (-0.024) 0.03ng/ul

response 56

Ion	Exp%	Act%
113.00	100	100
115.00	99.50	551.87#
54.00	19.50	333.75#
0.00	0.00	0.00

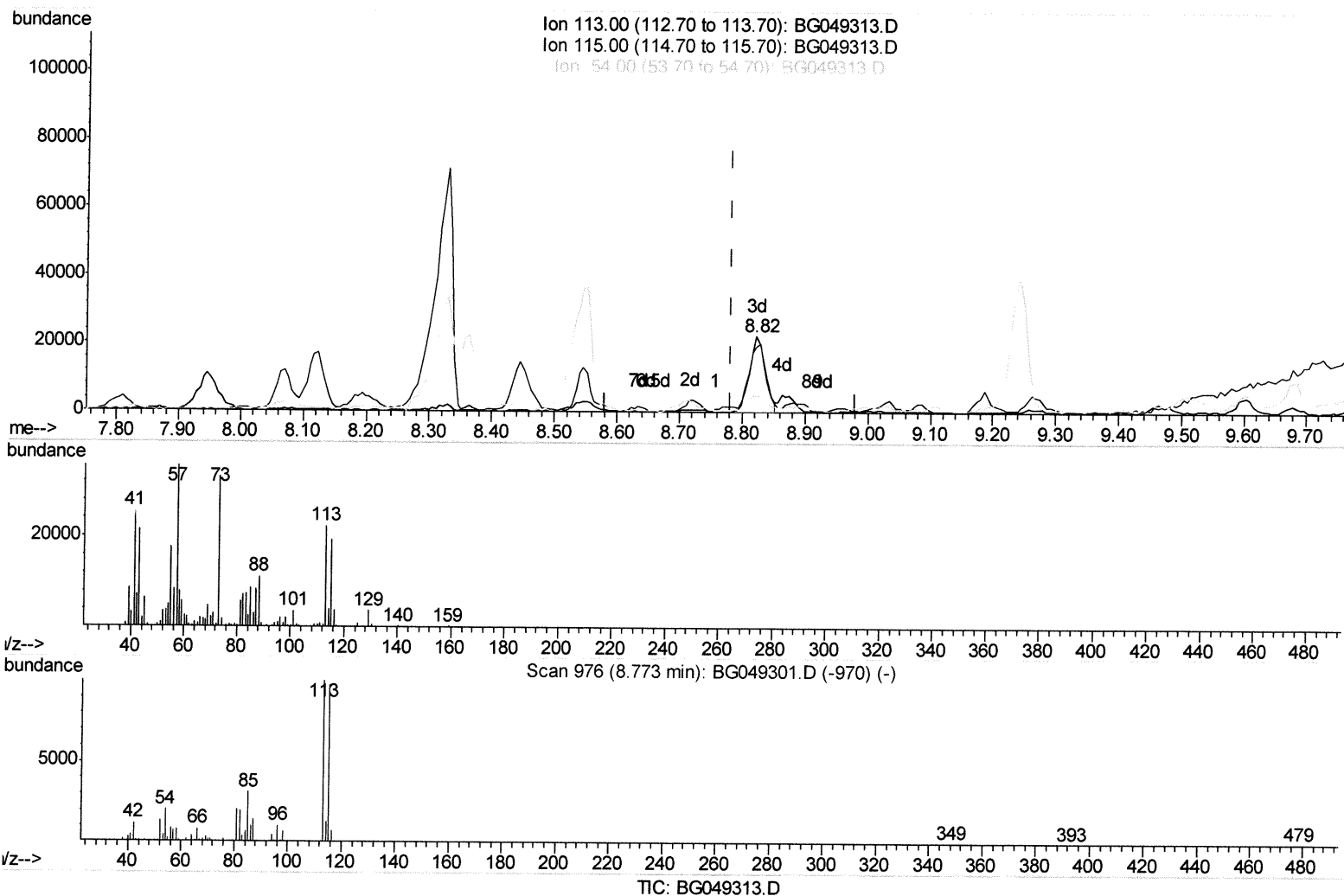
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
 Data File : BG049313.D
 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
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Instrument :
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Manual Integrations
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(15) 4-Methylphenol-d8 (S)

8.822min (+0.041) 18.61ng/ul m

response 40214

Ion	Exp%	Act%
113.00	100	100
115.00	99.50	86.79
54.00	19.50	22.32
0.00	0.00	0.00

July 20/21

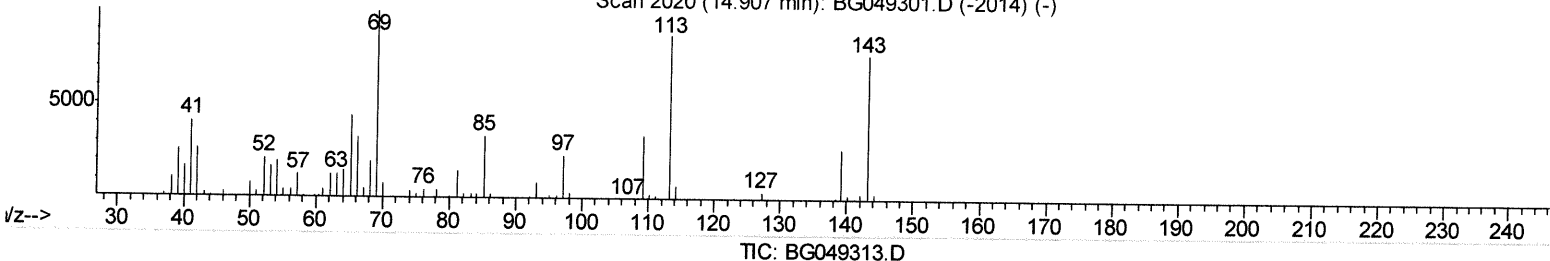
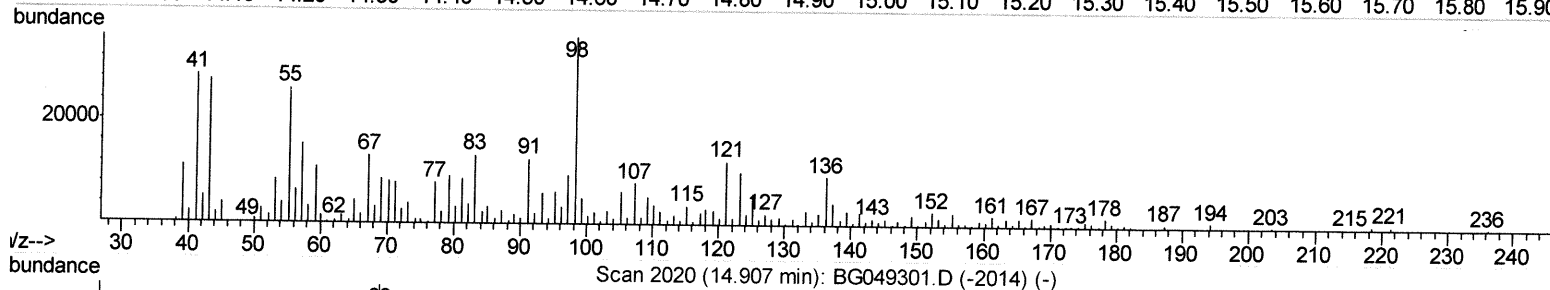
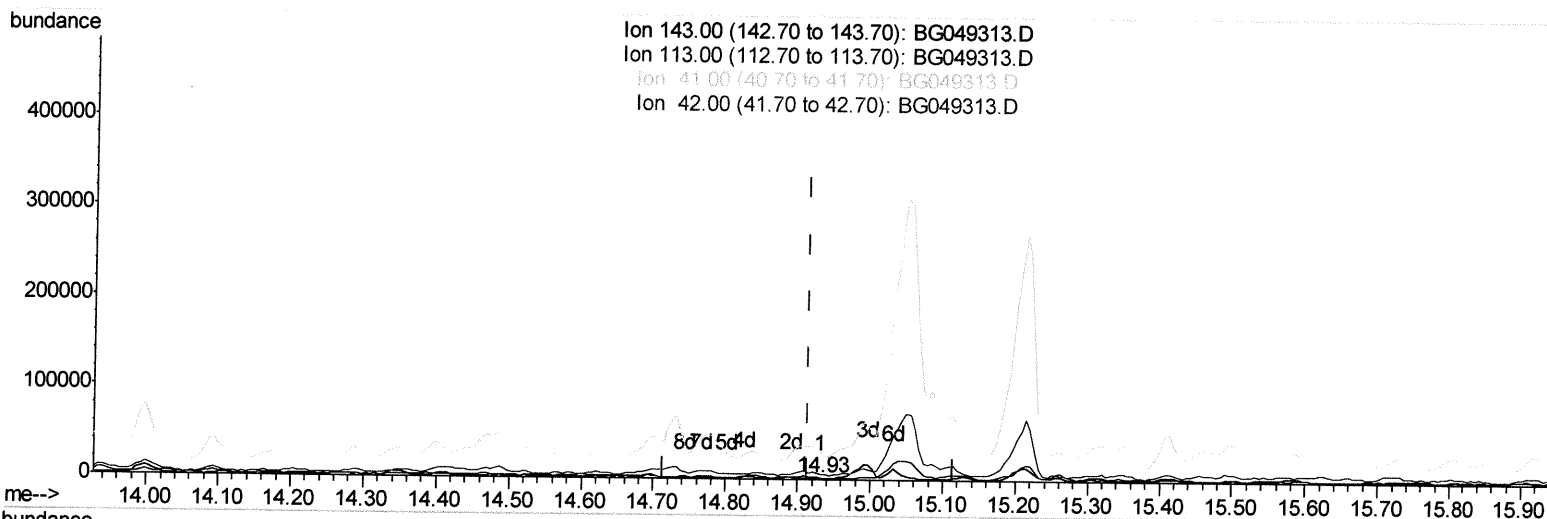
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
 Data File : BG049313.D
 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Jul 13 11:08:08 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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(54) 4-Nitrophenol-d4 (S)

14.932min (+0.017) 0.23ng/ul

response 272

Ion	Exp%	Act%
143.00	100	100
113.00	103.00	132.22#
41.00	53.60	1895.61#
42.00	38.30	355.33#

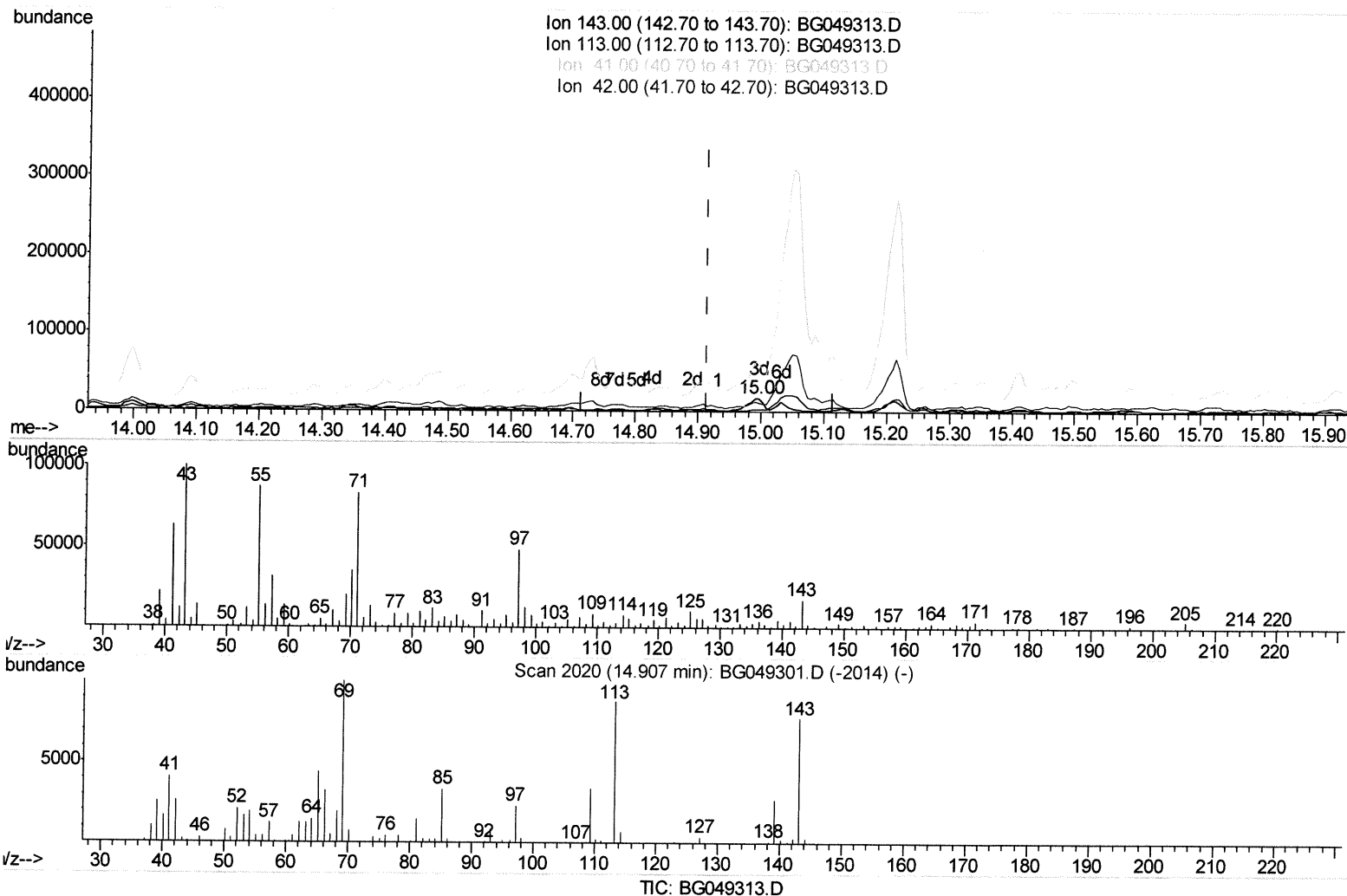
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
 Data File : BG049313.D
 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBK27

Manual Integrations
 APPROVED

mohammad
 7/13/2021 4:40:36 PM

Quant Time: Jul 13 11:08:08 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



(54) 4-Nitrophenol-d4 (S)

14.997min (+0.082) 29.31ng/ul m

response 34026

Ion	Exp%	Act%
143.00	100	100
113.00	103.00	15.09#
41.00	53.60	362.22#
42.00	38.30	66.77#

7/13/2021

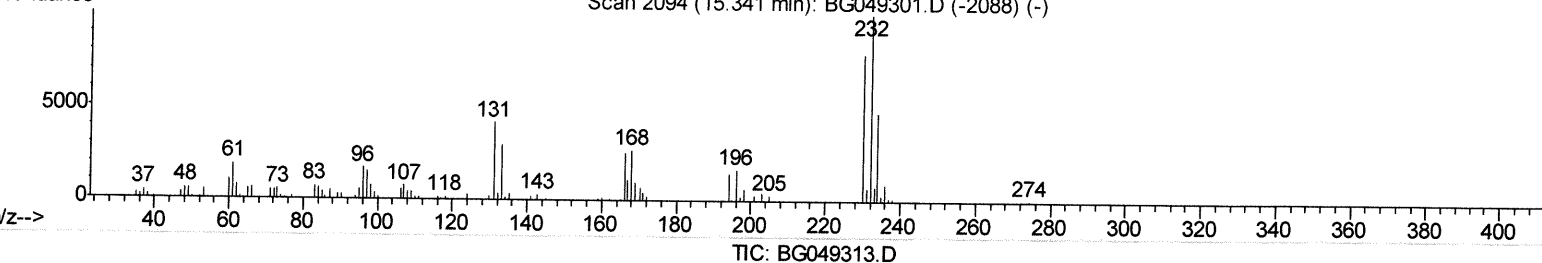
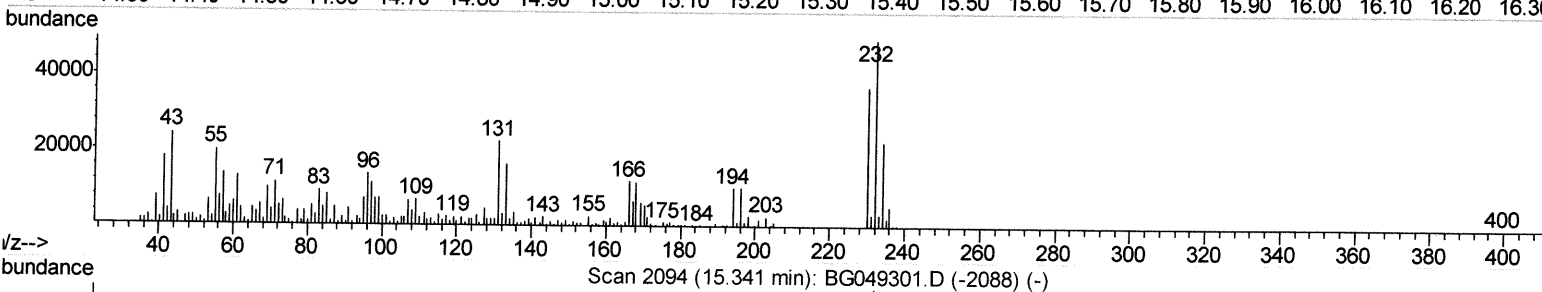
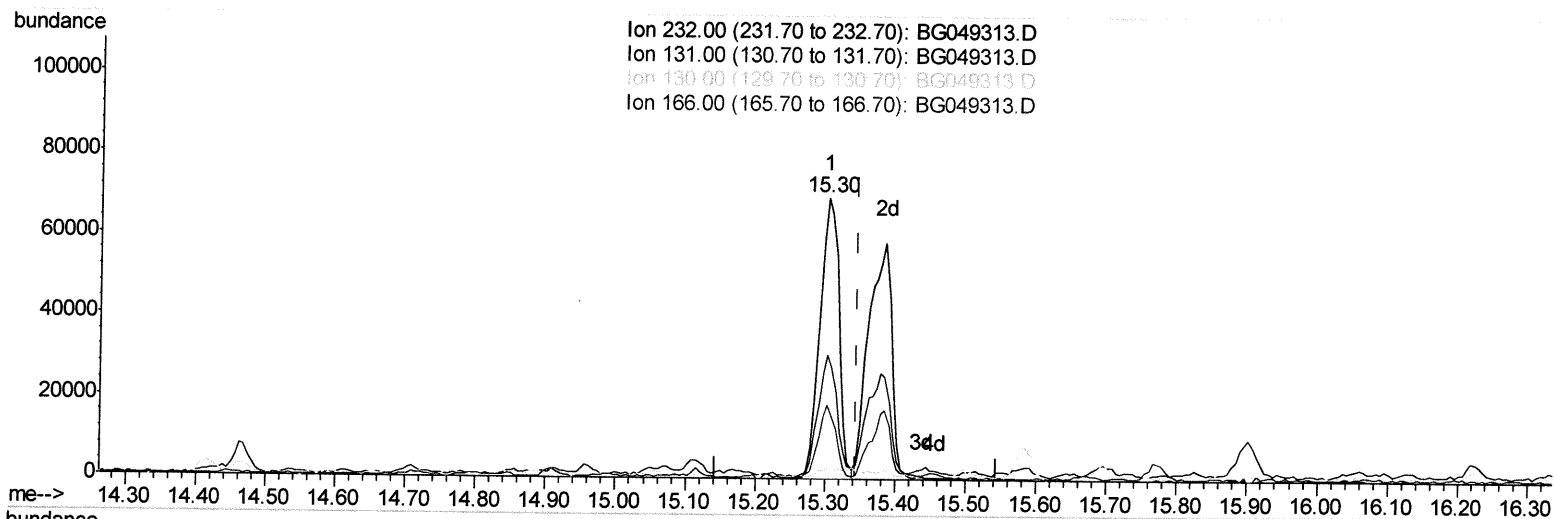
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
 Data File : BG049313.D
 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBK27

Manual Integrations
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mohammad
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Quant Time: Jul 13 11:08:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
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 Response via : Initial Calibration



(58) 2,3,4,6-Tetrachlorophenol

15.302min (-0.042) 70.59ng/ul

response 130462

Ion	Exp%	Act%
232.00	100	100
131.00	38.20	44.29
130.00	2.90	3.87#
166.00	27.30	26.15

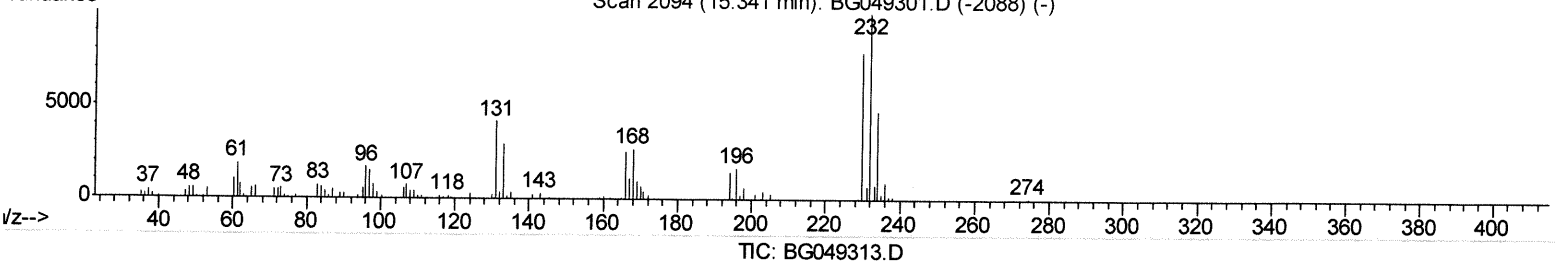
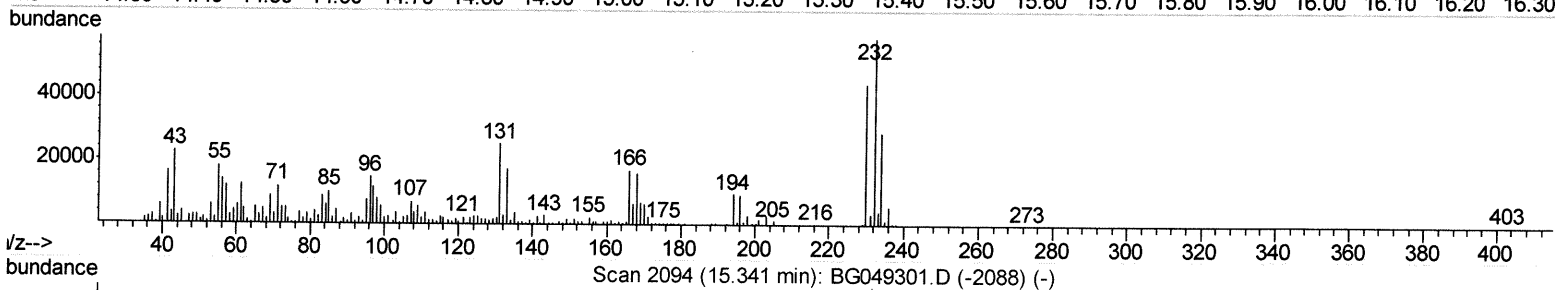
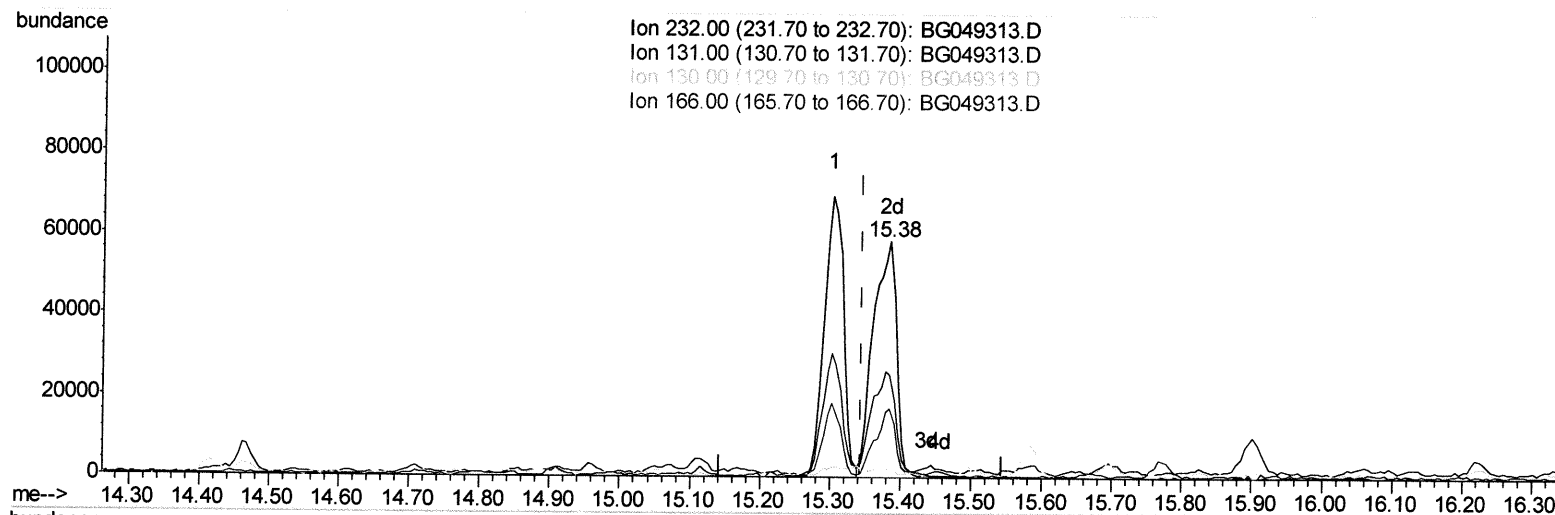
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
 Data File : BG049313.D
 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBK27

Manual Integrations
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mohammad
 7/13/2021 4:40:36 PM

Quant Time: Jul 13 11:08:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
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 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration



(58) 2,3,4,6-Tetrachlorophenol

15.385min (+0.041) 72.38ng/ul m

response 133756

547/21/21

Ion	Exp%	Act%
232.00	100	100
131.00	38.20	43.12
130.00	2.90	3.95#
166.00	27.30	29.05

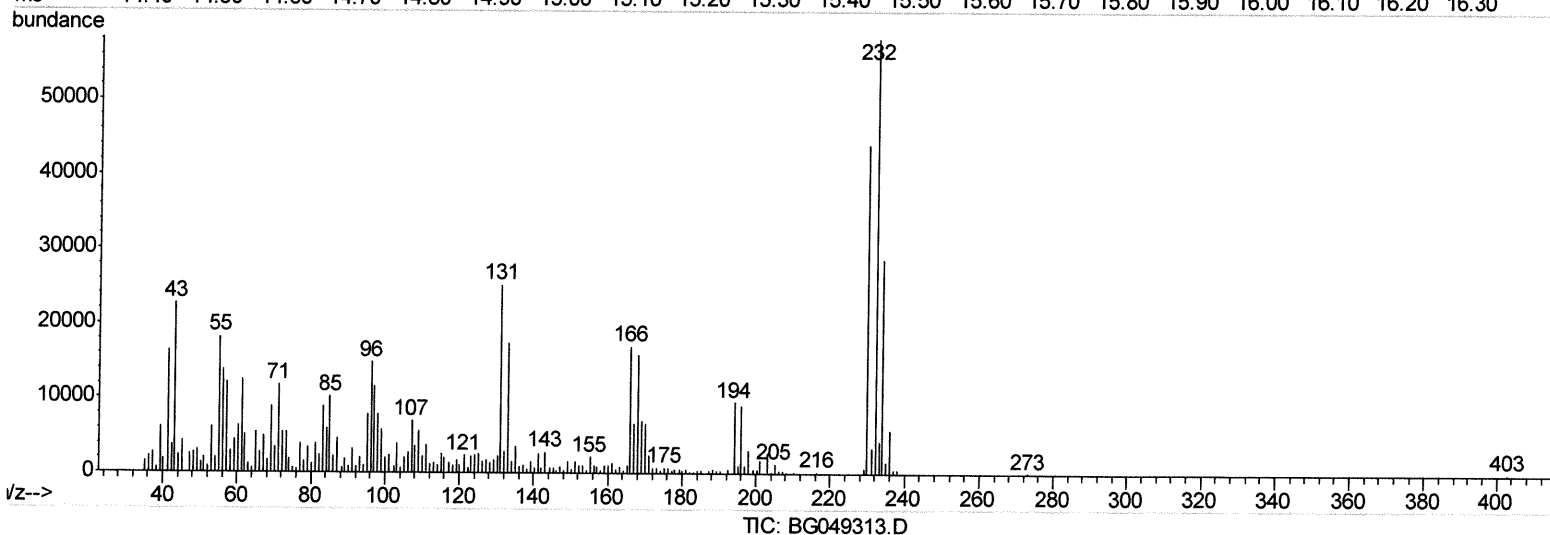
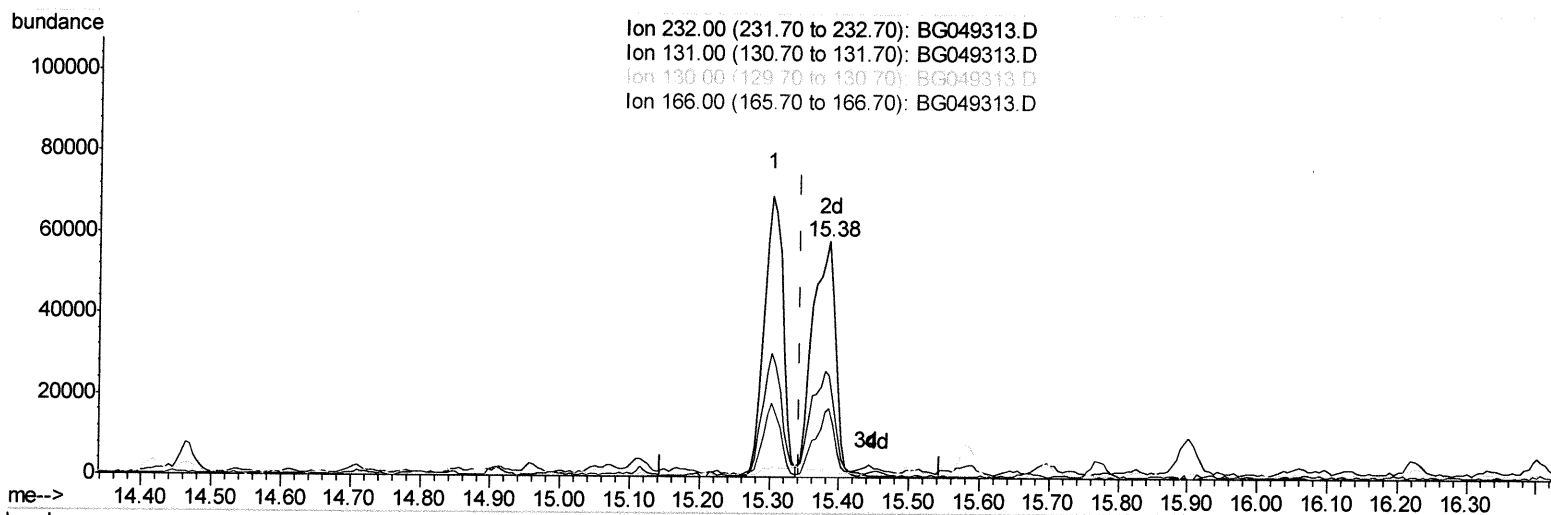
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
 Data File : BG049313.D
 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 7/13/2021 4:40:36 PM

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



TIC: BG049313.D

(58) 2,3,4,6-Tetrachlorophenol

15.385min (+0.041) 72.38ng/ul m

response 133756

Ion	Exp%	Act%
232.00	100	100
131.00	38.20	43.12
130.00	2.90	3.95#
166.00	27.30	29.05

Handwritten signature: Ju 7/13/21

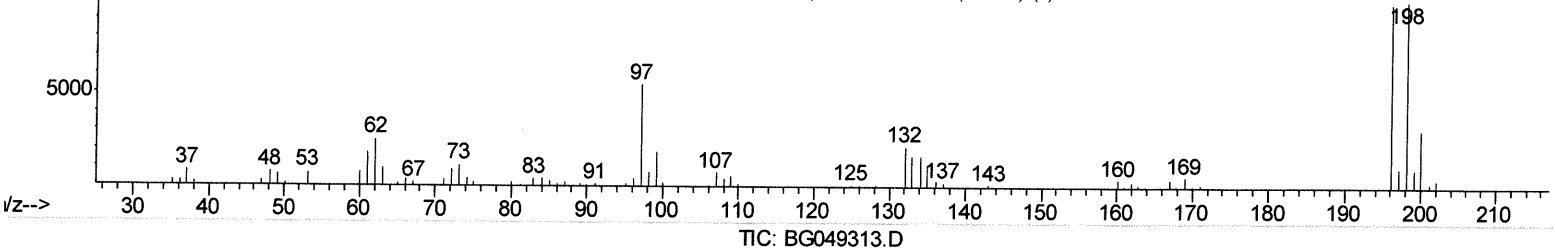
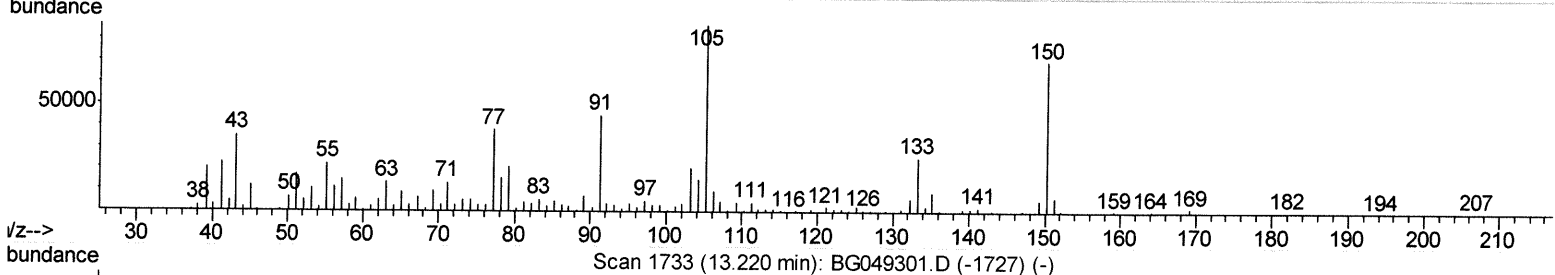
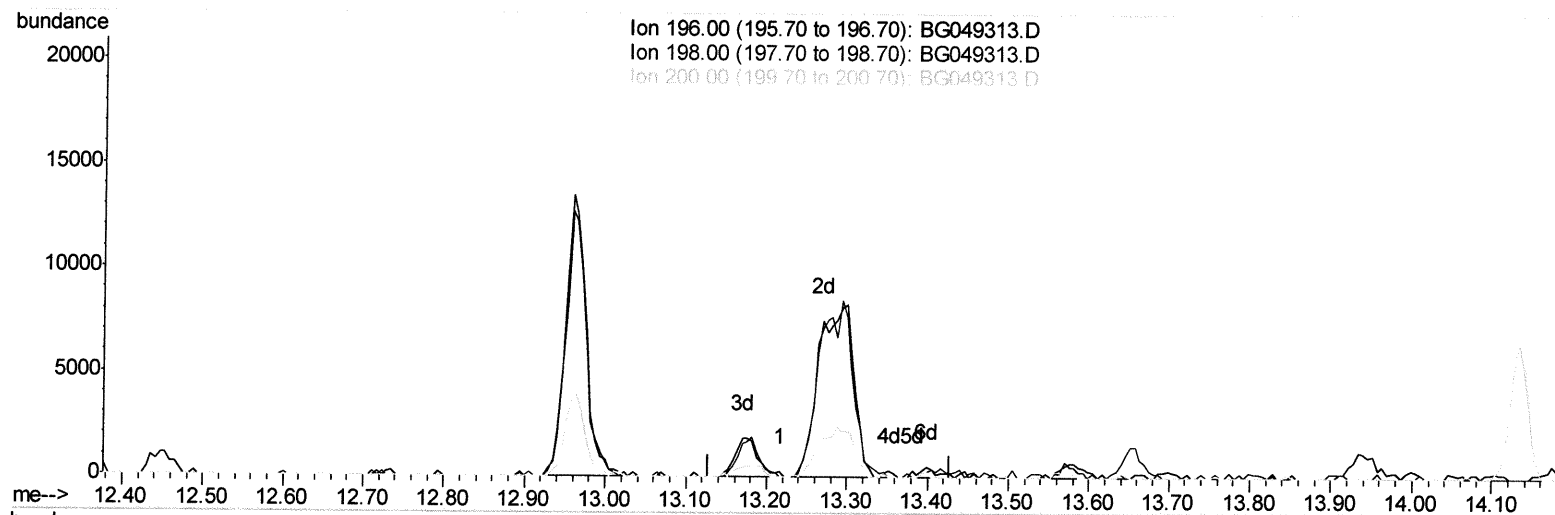
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(42) 2,4,5-Trichlorophenol

13.229min (-13.229) 0.00ng/ul d

response 0

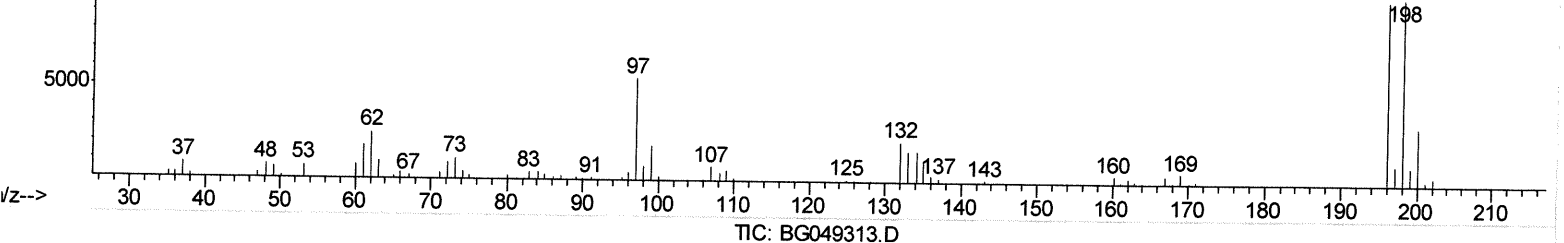
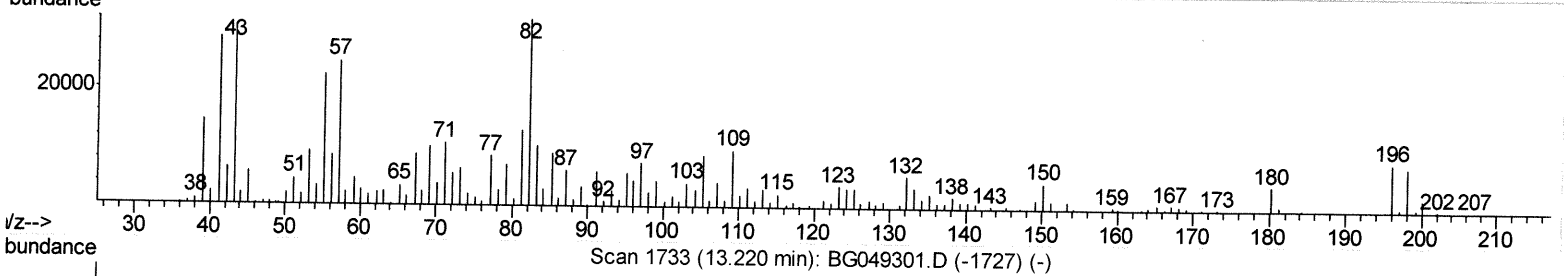
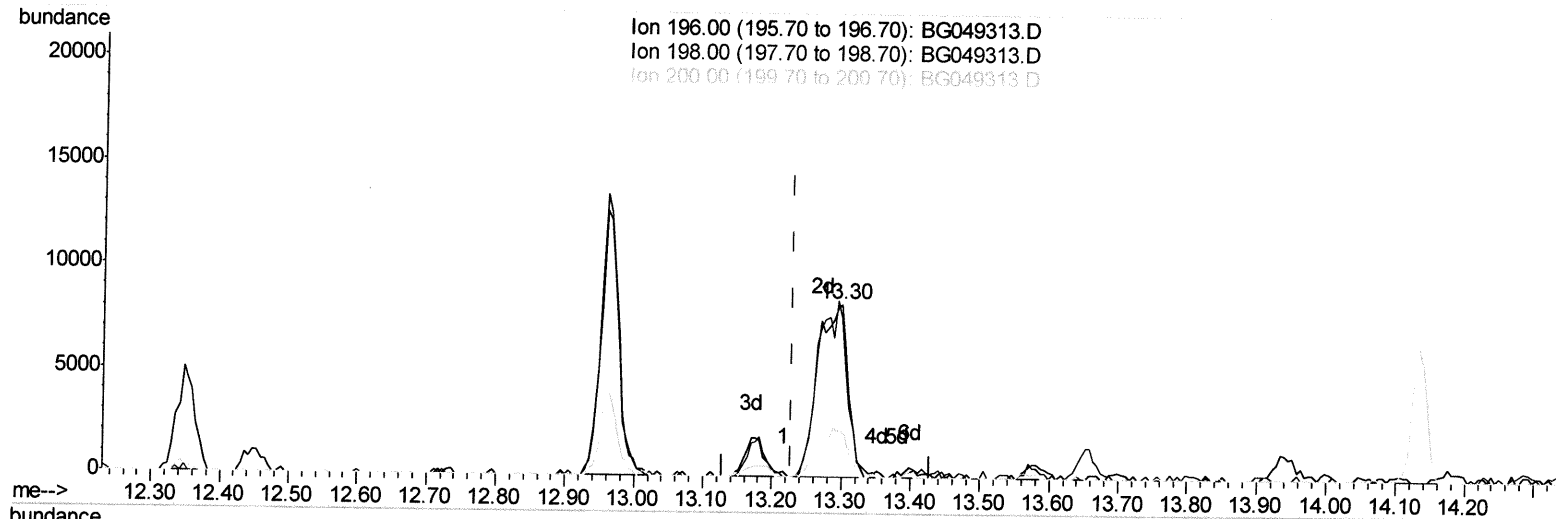
Ion	Exp%	Act%
196.00	100	0.00
198.00	104.80	0.00
200.00	36.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
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 Acq On : 13 Jul 2021 10:10
 Operator : CG/JU
 Sample : M2958-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(42) 2,4,5-Trichlorophenol

13.299min (+0.070) 12.76ng/ul m

response 25154

Ion	Exp%	Act%
196.00	100	100
198.00	104.80	92.51
200.00	36.00	26.90#
0.00	0.00	0.00

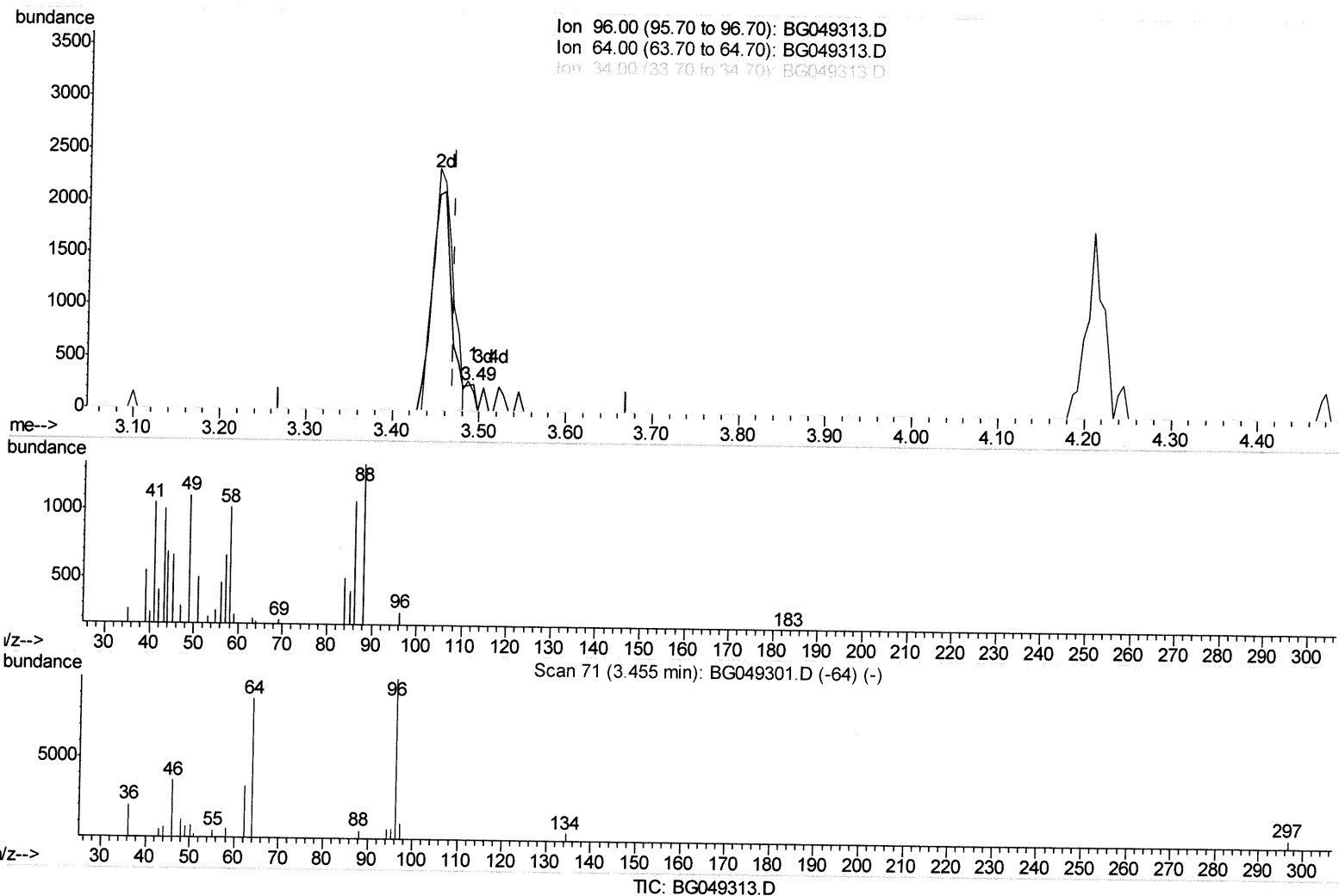
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(3) 1,4-Dioxane-d8 (S)

3.493min (+0.023) 0.27ng/uL

response 175

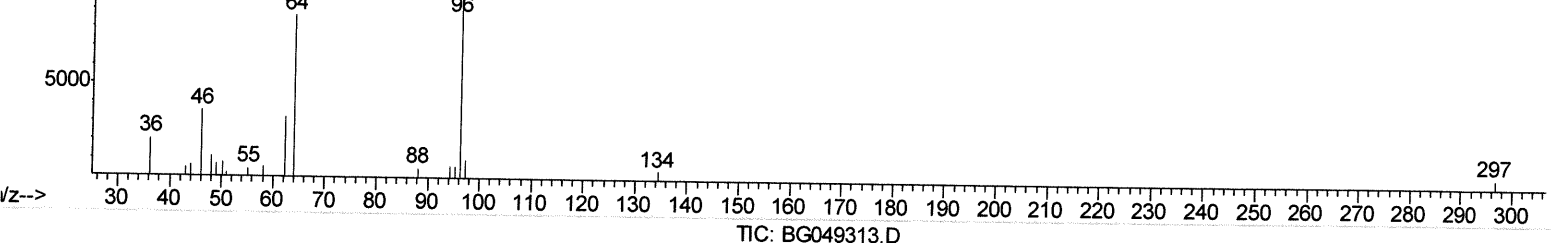
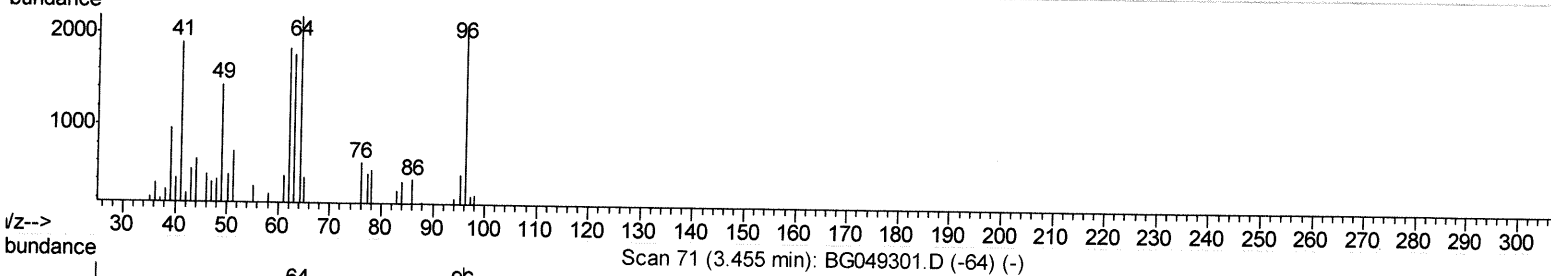
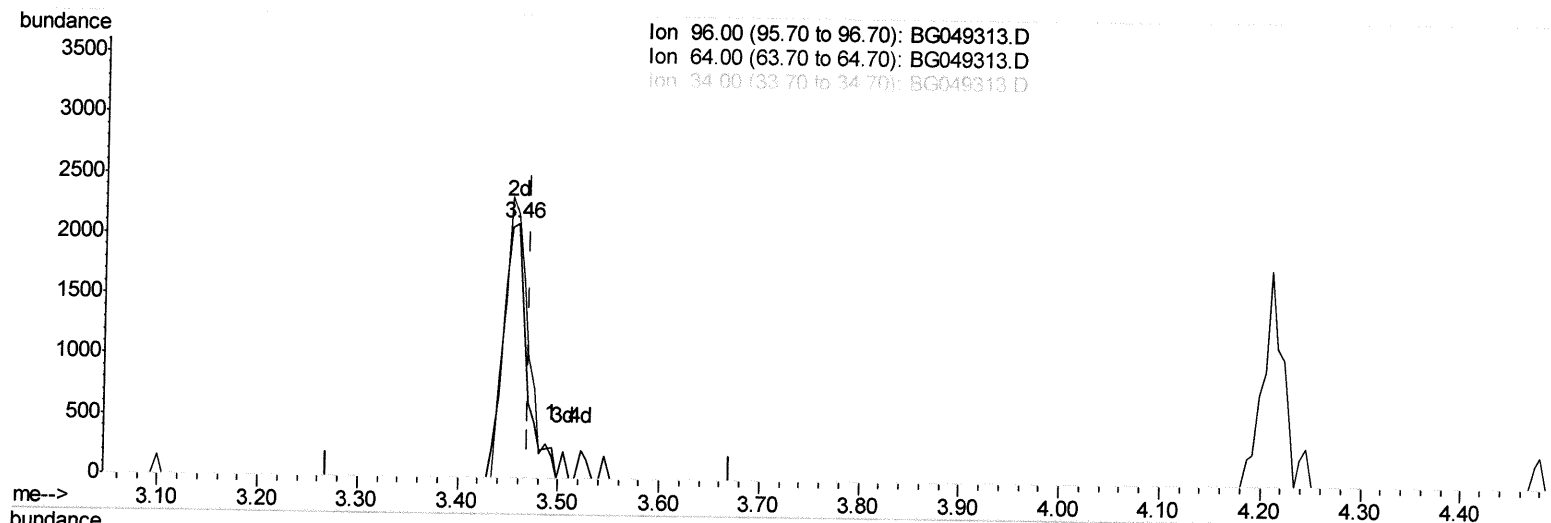
Ion	Exp%	Act%
96.00	100	100
64.00	62.20	70.68
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
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(3) 1,4-Dioxane-d8 (S)

3.458min (-0.012) 5.23ng/uL m

response 3446

Ion	Exp%	Act%
96.00	100	100
64.00	62.20	103.75#
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071221\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	31010	20.00	ng/ul	-0.01
20) Naphthalene-d8	10.90	136	125190	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.72	164	91199	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.48	188	189612	20.00	ng/ul	0.00
79) Chrysene-d12	21.75	240	202068	20.00	ng/ul	0.00
88) Perylene-d12	25.04	264	209995	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	3446m	5.23	ng/ul	-0.01	Jul 7/20/21
4) Pyridine-d5	3.89	84	23763	12.26	ng/ul	0.00	
7) Phenol-d5	7.19	99	4795	1.78	ng/ul	-0.03	
9) Bis-(2-Chloroethyl)ether-d	7.39	67	49641	31.73	ng/ul	0.00	
11) 2-Chlorophenol-d4	7.64	132	54527	27.35	ng/ul	0.03	
15) 4-Methylphenol-d8	8.82	113	40214m	18.61	ng/ul	0.04	Jul 7/20/21
21) Nitrobenzene-d5	9.24	128	36594	38.09	ng/ul	0.00	
24) 2-Nitrophenol-d4	9.97	143	38510	34.92	ng/ul	0.00	
28) 2,4-Dichlorophenol-d3	10.54	165	70319	32.68	ng/ul	0.03	
31) 4-Chloroaniline-d4	11.04	131	8086	2.88	ng/ul	0.02	
46) Dimethylphthalate-d6	14.13	166	244871	34.91	ng/ul	0.02	
49) Acenaphthylene-d8	14.42	160	292582	35.55	ng/ul	0.00	
54) 4-Nitrophenol-d4	15.00	143	34026m	29.31	ng/ul	0.08	Jul 7/20/21
60) Fluorene-d10	15.71	176	208657	35.14	ng/ul	0.00	
65) 4,6-Dinitro-2-methylphenol	15.84	200	40672	33.75	ng/ul	0.01	
73) Anthracene-d10	17.58	188	328083	38.00	ng/ul	0.00	
81) Pyrene-d10	19.86	212	370850	35.81	ng/ul	0.00	
92) Benzo(a)pyrene-d12	24.82	264	414843	38.00	ng/ul	0.00	

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.49	88	2081	2.592	ng/ul#	72
8) Phenol	7.34	94	181522	67.289	ng/ul	91
23) Isophorone	9.82	82	255260	54.544	ng/ul#	96
30) Naphthalene	10.95	128	143983	23.068	ng/ul	98
36) 2-Methylnaphthalene	12.55	142	54941	11.585	ng/ul	89
37) 1-Methylnaphthalene	12.77	142	56755	12.034	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.17	196	3583	1.934	ng/ul	98
42) 2,4,5-Trichlorophenol	13.30	196	25154m	12.763	ng/ul	80
43) 1,1'-Biphenyl	13.55	154	11329	1.839	ng/ul#	80
52) Acenaphthene	14.77	153	8968m	1.687	ng/ul	79
58) 2,3,4,6-Tetrachlorophenol	15.38	232	133756m	72.376	ng/ul#	94
61) Fluorene	15.77	166	7089	1.112	ng/ul#	79
71) Pentachlorophenol	17.16	266	1472306	1029.958	ng/ul	94

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