

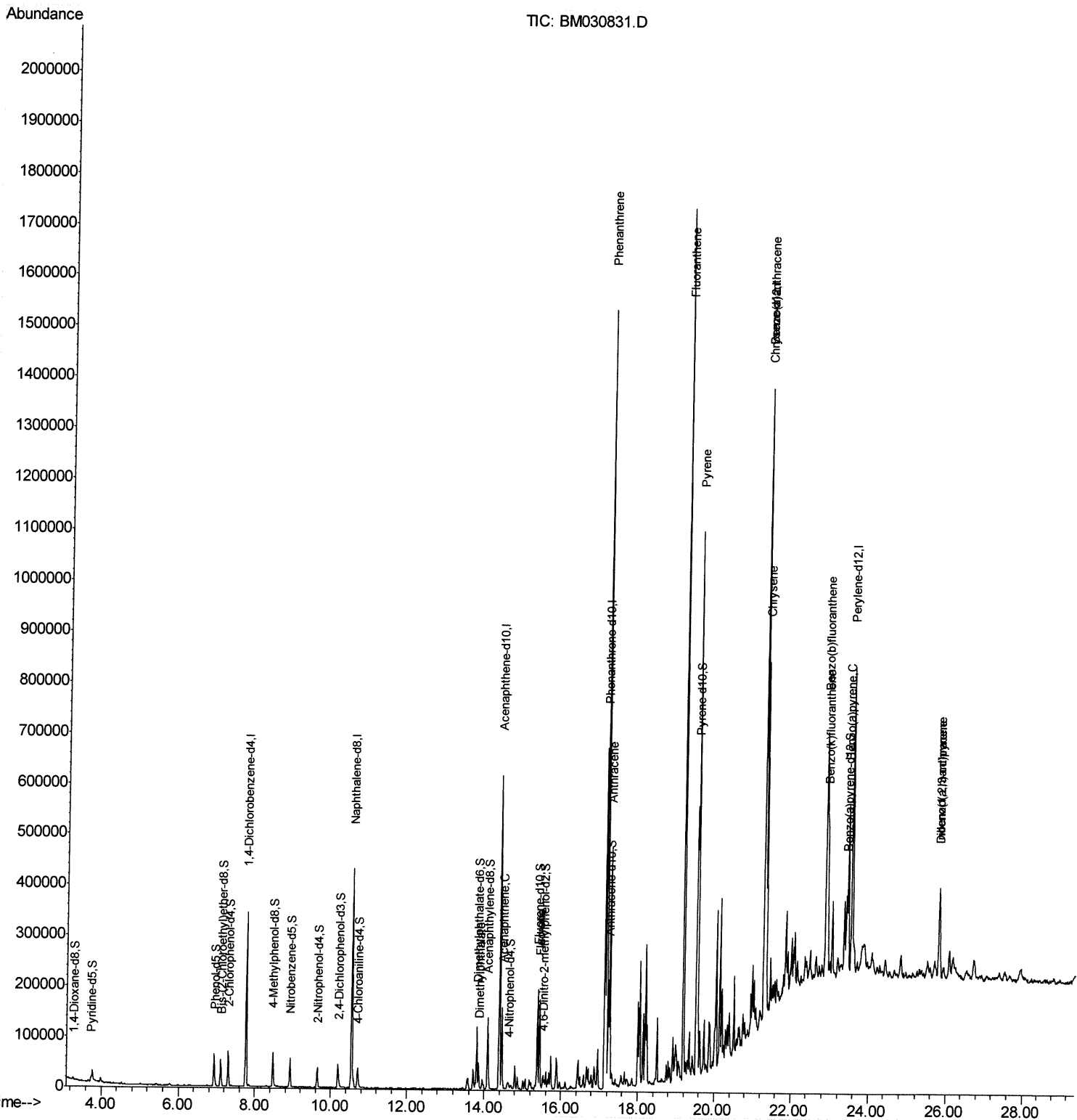
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sampled :  
 BGD1DL

Manual Integrations  
 APPROVED

mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:40:19 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



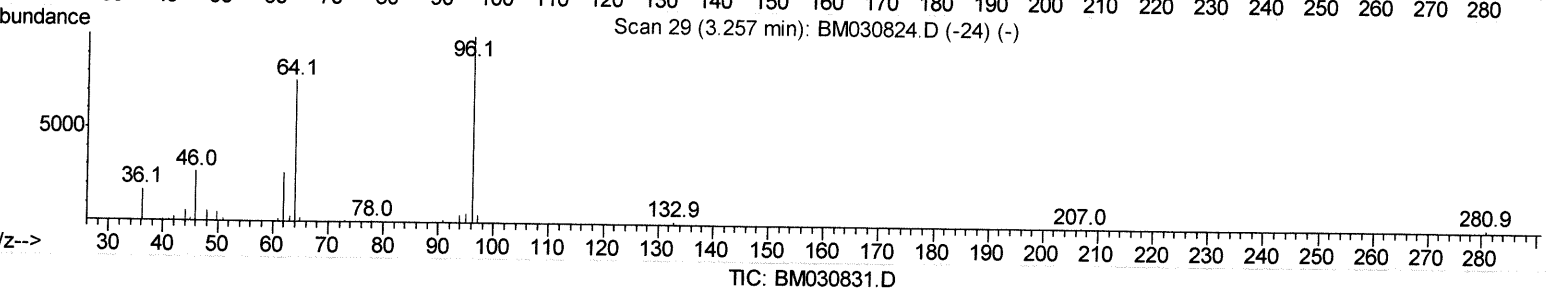
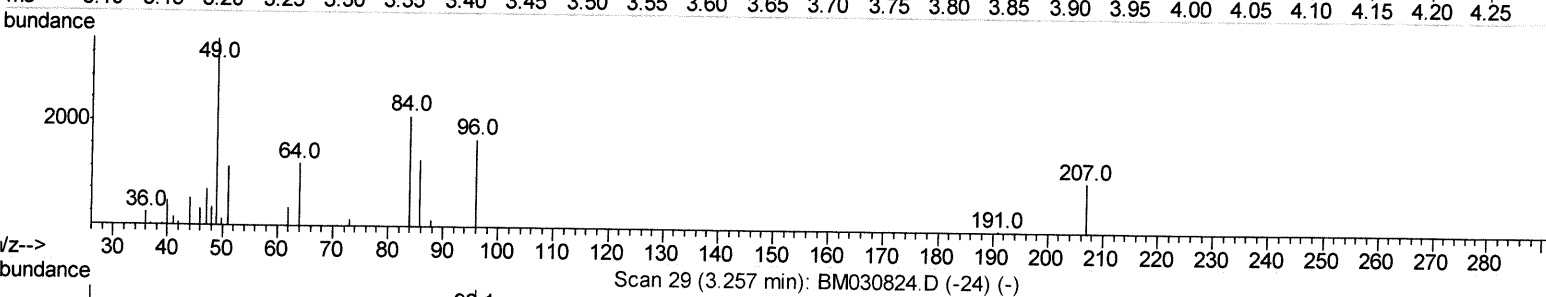
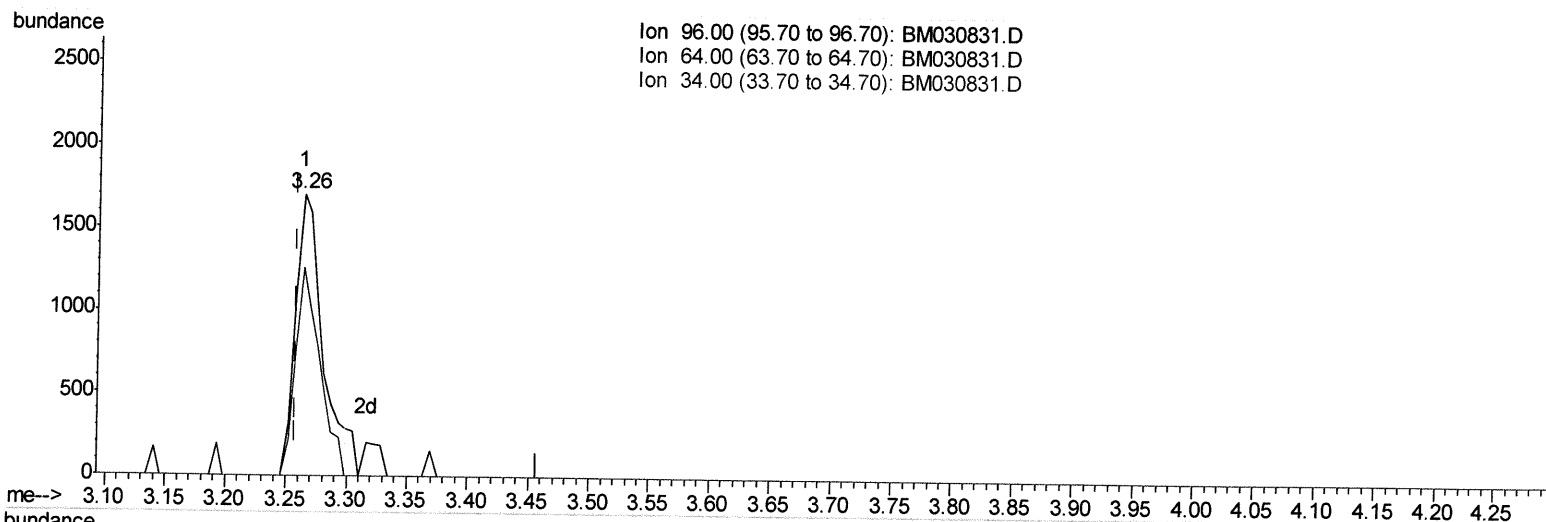
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
 Operator : CG/JU  
 Sample : M2869-03DL 2X  
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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 BGDx1DL

Manual Integrations  
 APPROVED

mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 01:29:36 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



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

3.263min (+0.006) 1.15ng/uL

response 2614

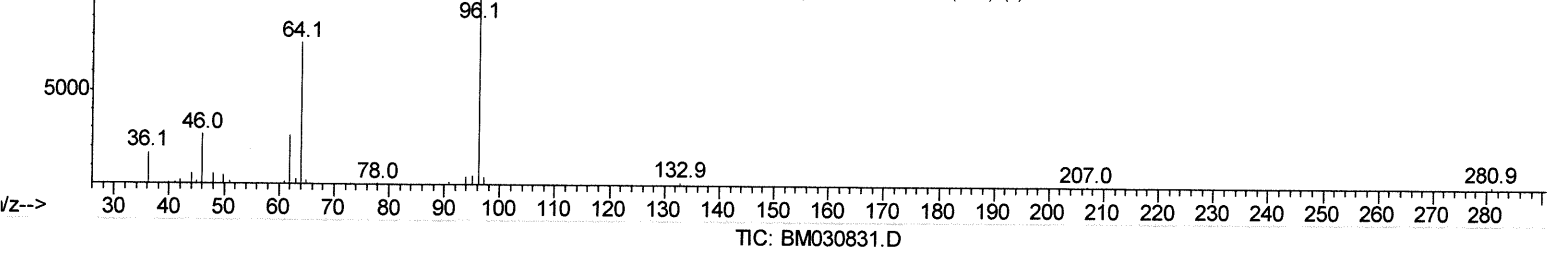
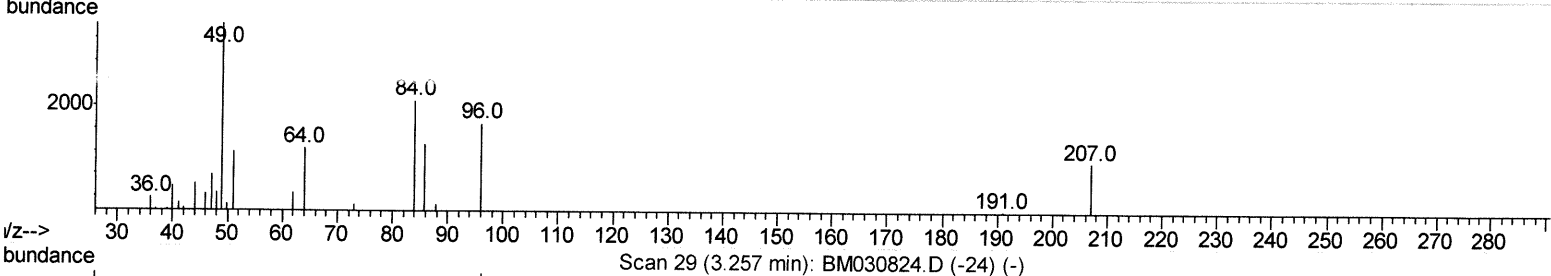
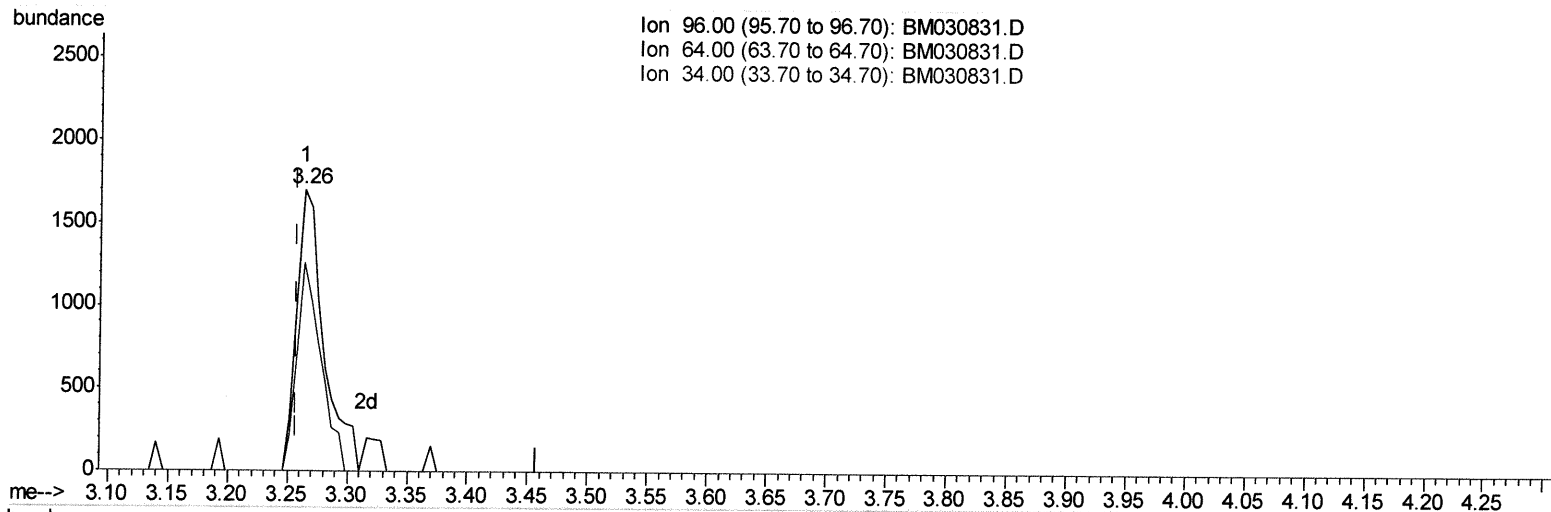
Ion	Exp%	Act%
96.00	100	100
64.00	77.40	74.04
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
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**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 BGDx1DL

**Manual Integrations**  
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 mohammad  
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Quant Time: Jul 07 01:29:36 2021  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



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

3.263min (+0.006) 1.19ng/uL m

response 2710

*JU 7/8/21*

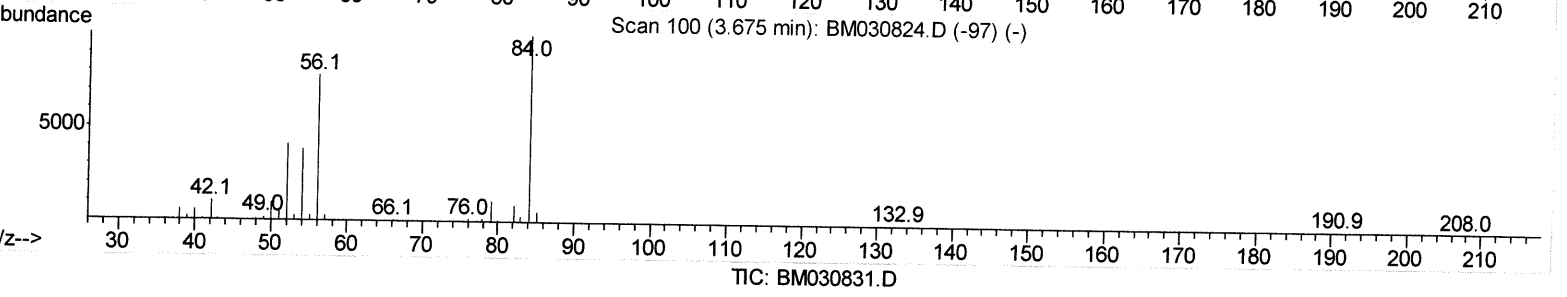
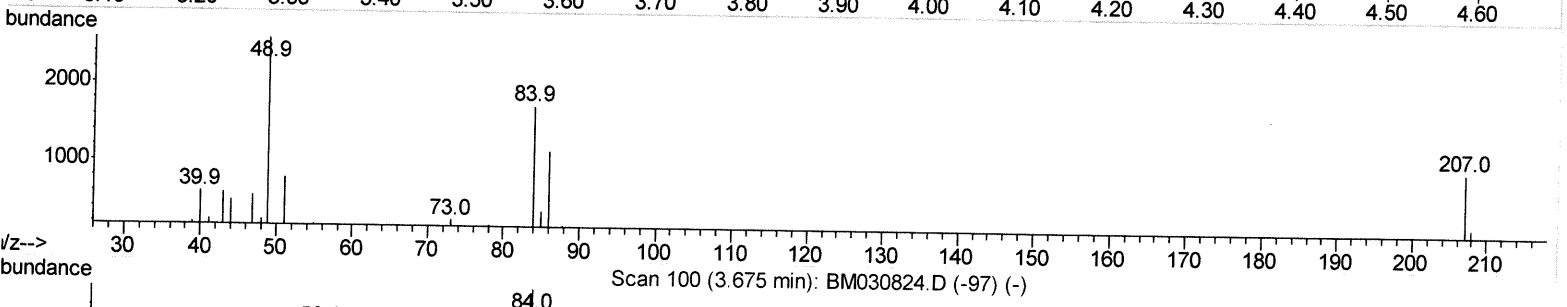
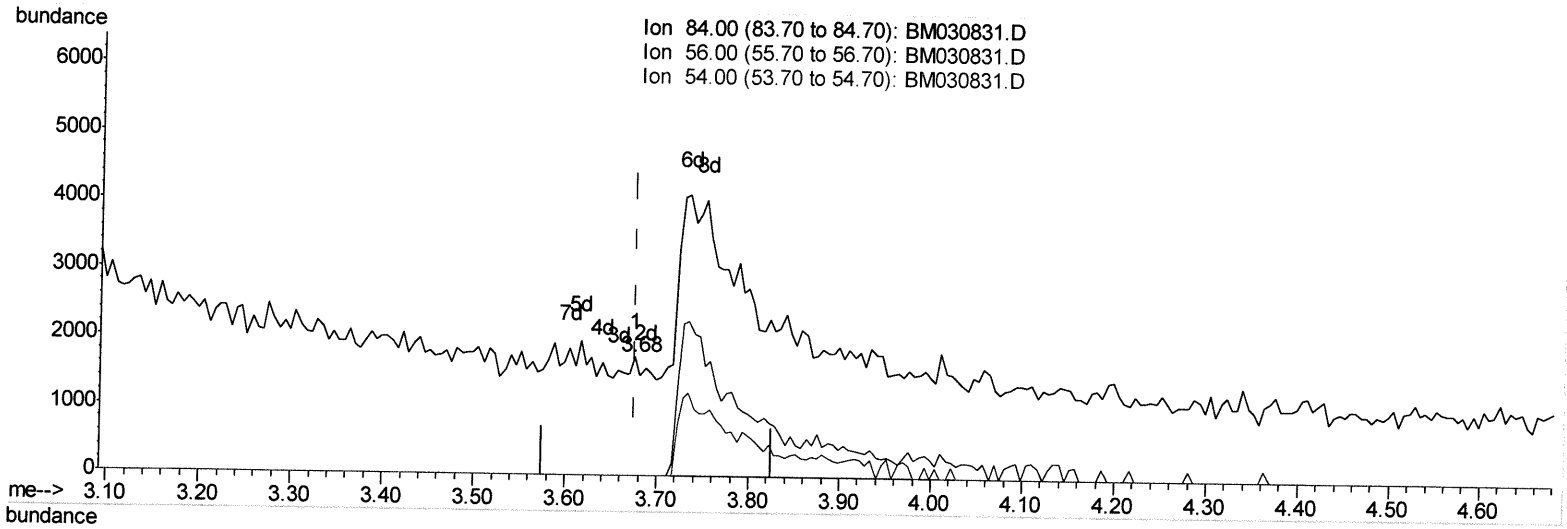
Ion	Exp%	Act%
96.00	100	100
64.00	77.40	74.04
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acc On : 06 Jul 2021 22:09  
 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**Client Sampled :**  
 BGDx1DL

**Manual Integrations**  
**APPROVED**  
 mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:37:20 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



(4) Pyridine-d5 (S)  
 3.675min (-0.000) 0.02ng/ul  
 response 98

Ion	Exp%	Act%
84.00	100	100
56.00	74.50	0.00#
54.00	37.20	0.00#
0.00	0.00	0.00

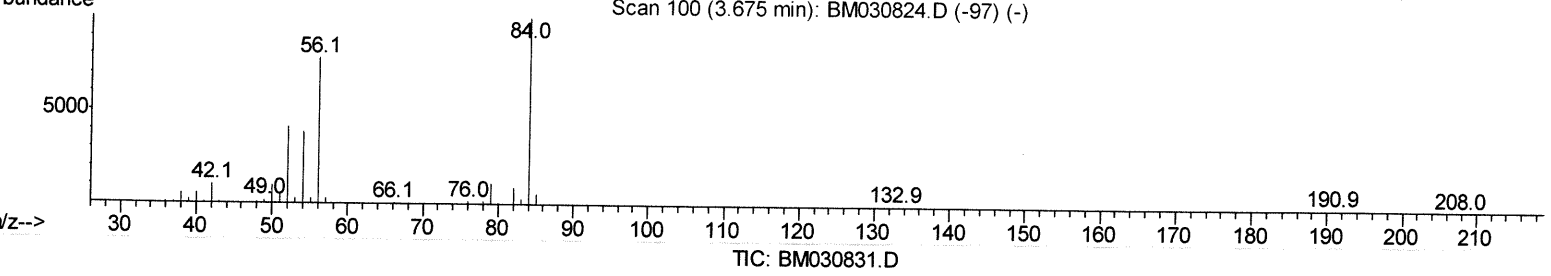
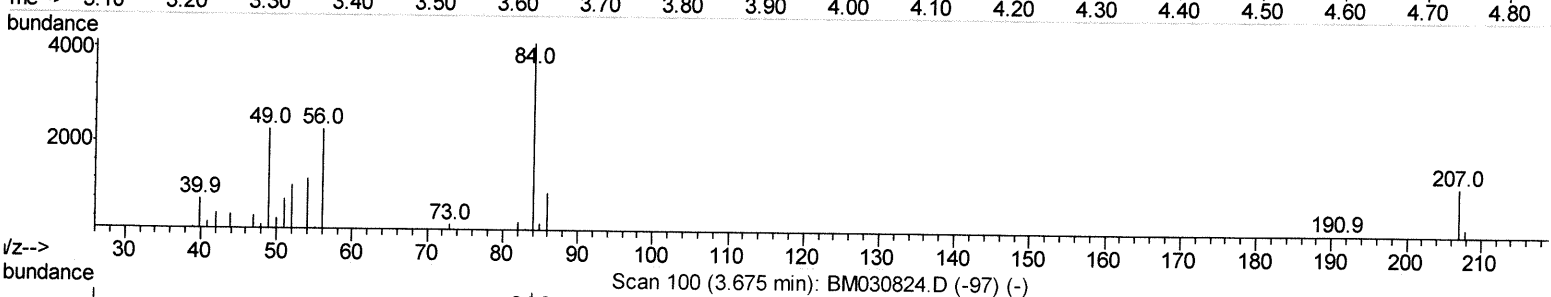
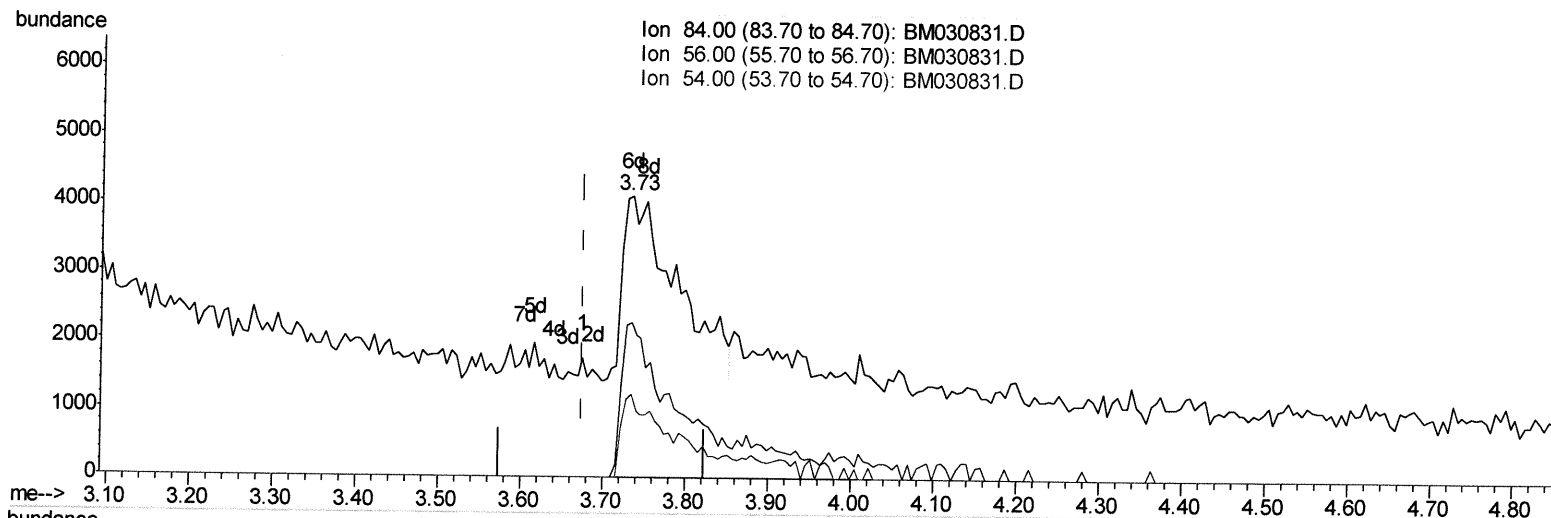
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 BGDx1DL

Manual Integrations  
 APPROVED

mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:37:20 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



(4) Pyridine-d5 (S)

3.734min (+0.059) 2.17ng/ul m

response 12927

*Handwritten signature/initials*

Ion	Exp%	Act%
84.00	100	100
56.00	74.50	54.85#
54.00	37.20	29.45#
0.00	0.00	0.00

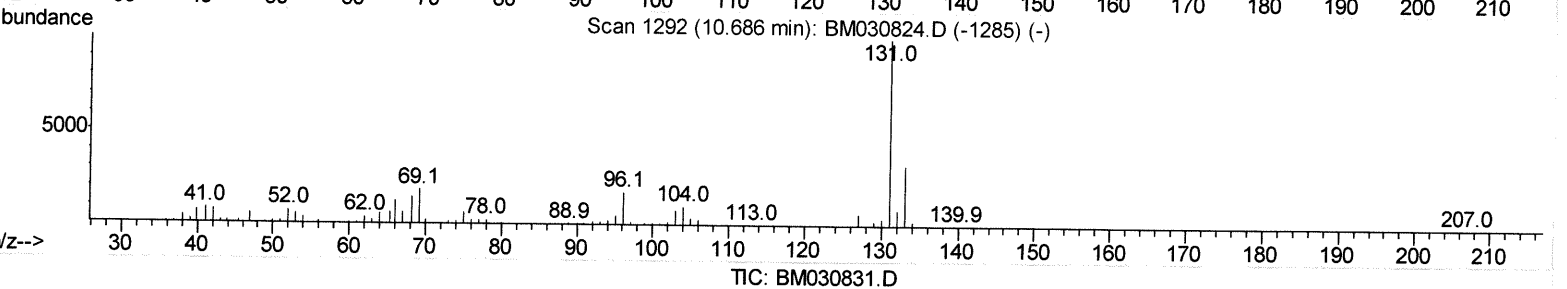
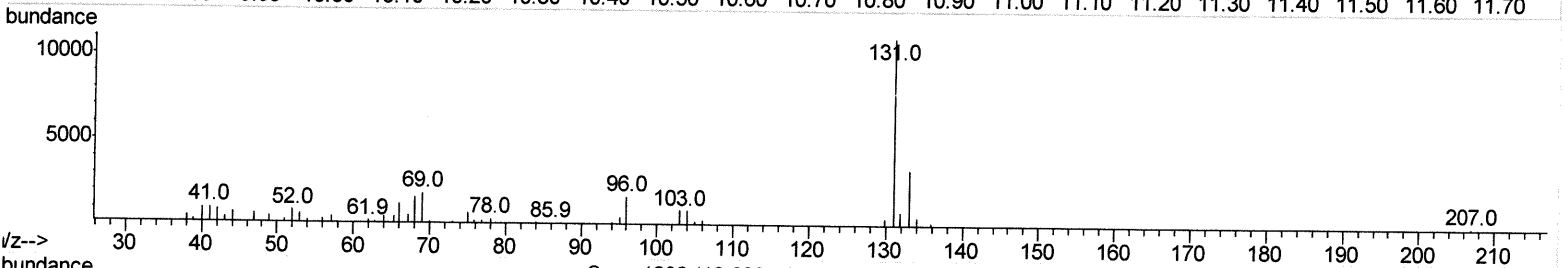
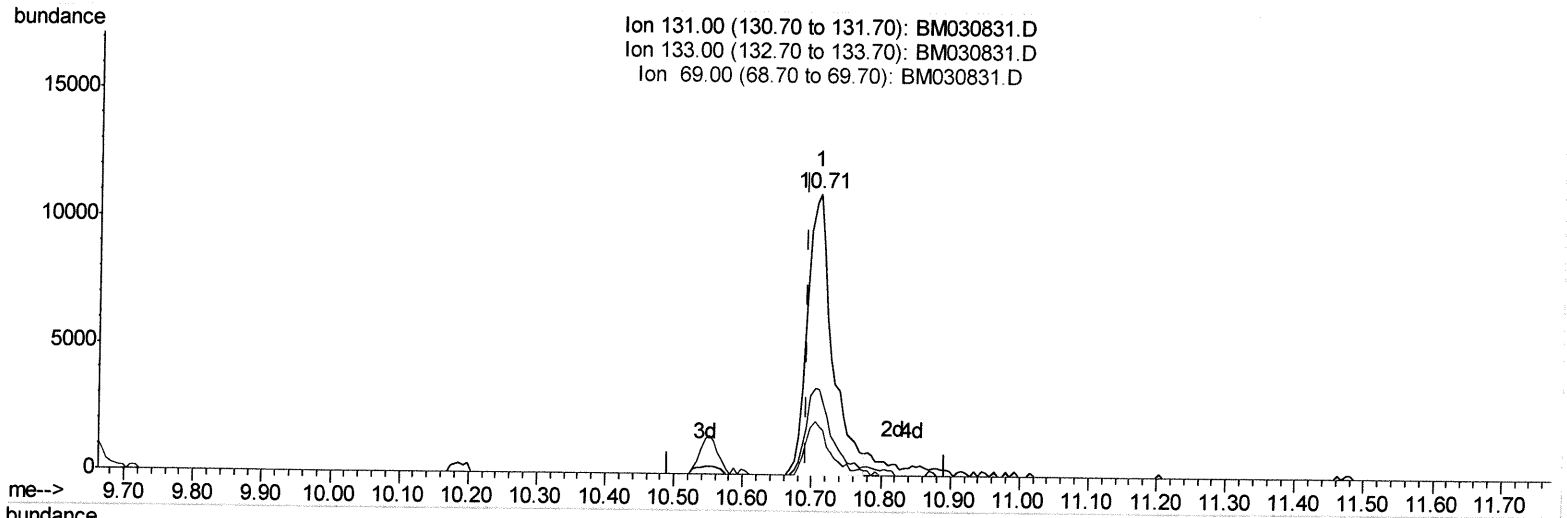
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 BGDx1DL

Manual Integrations  
 APPROVED

mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:37:54 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



(31) 4-Chloroaniline-d4 (S)  
 10.710min (+0.018) 3.56ng/ul  
 response 27881

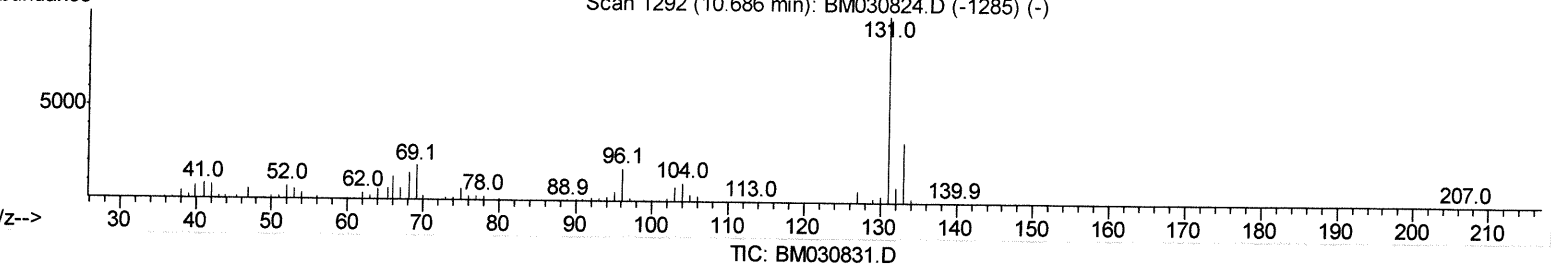
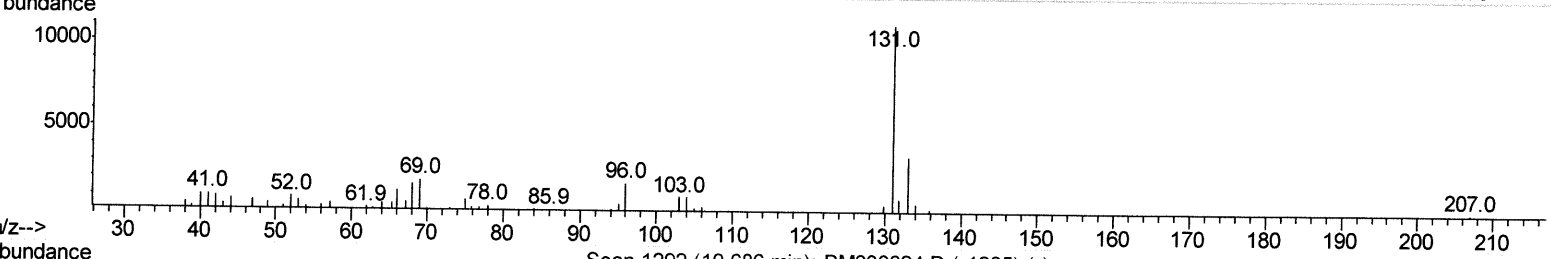
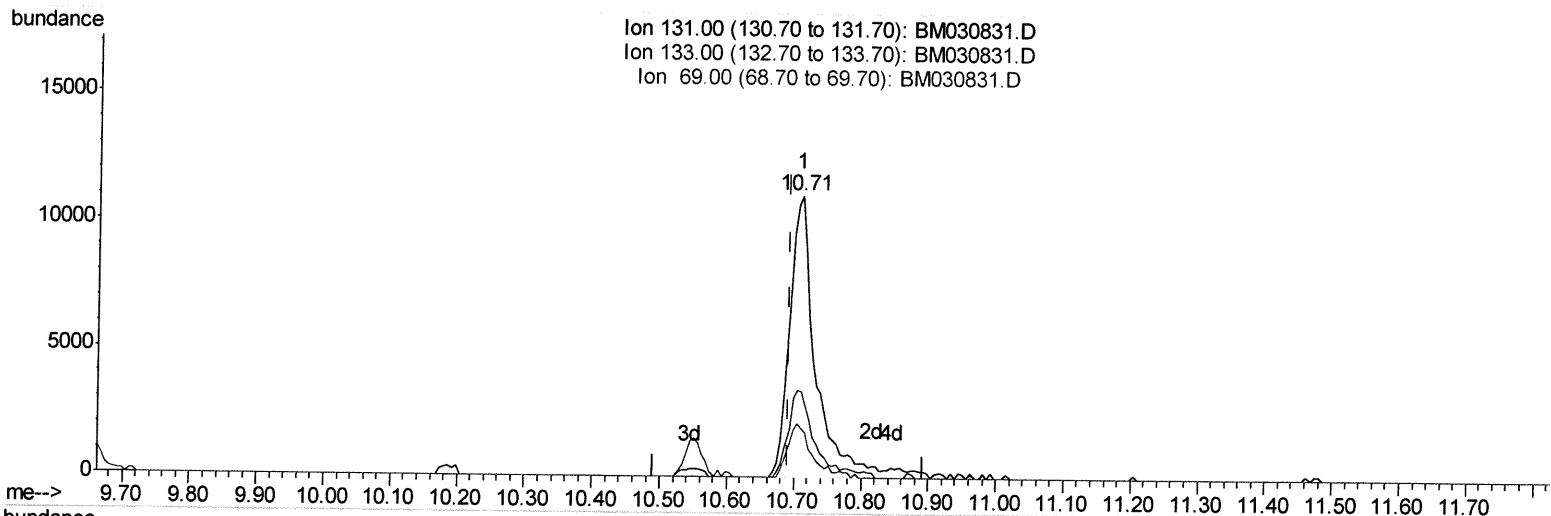
Ion	Exp%	Act%
131.00	100	100
133.00	32.00	30.63
69.00	17.30	17.12
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
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 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 BGDx1DL

**Manual Integrations**  
**APPROVED**  
 mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:37:54 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



(31) 4-Chloroaniline-d4 (S)

10.710min (+0.018) 3.79ng/ul m

*JY 7/8/21*

response 29642

Ion	Exp%	Act%
131.00	100	100
133.00	32.00	30.63
69.00	17.30	17.12
0.00	0.00	0.00

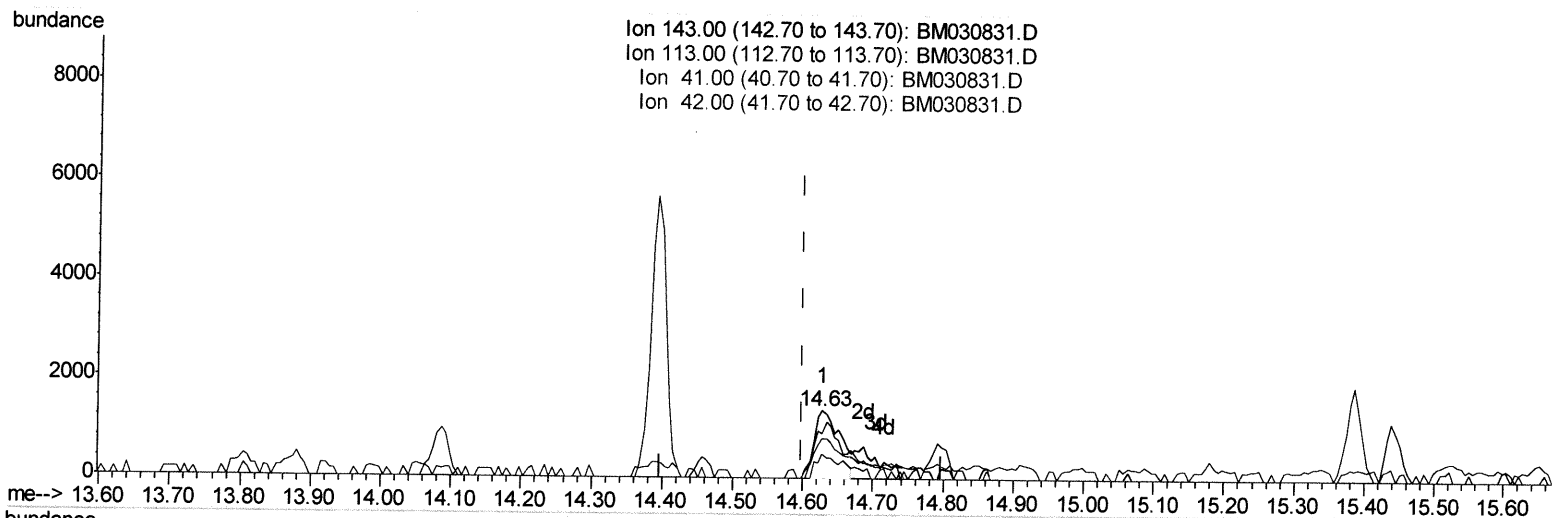
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 BGDx1DL

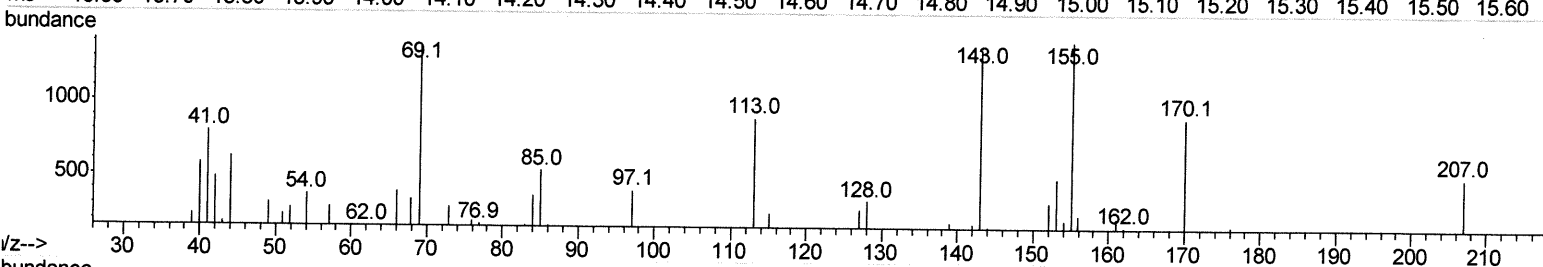
Manual Integrations  
 APPROVED

mohammad  
 7/7/2021 6:11:57 PM

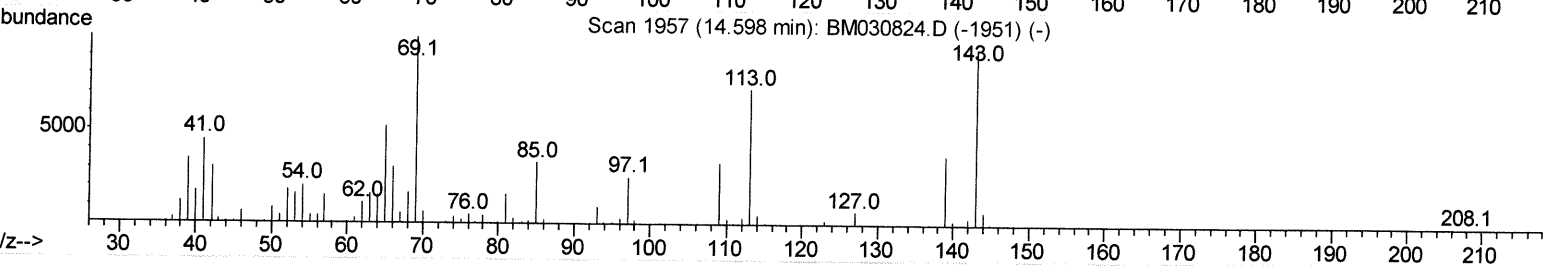
Quant Time: Jul 07 02:38:39 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



Ion 143.00 (142.70 to 143.70): BM030831.D  
 Ion 113.00 (112.70 to 113.70): BM030831.D  
 Ion 41.00 (40.70 to 41.70): BM030831.D  
 Ion 42.00 (41.70 to 42.70): BM030831.D



Scan 1957 (14.598 min): BM030824.D (-1951) (-)



(54) 4-Nitrophenol-d4 (S)

14.627min (+0.029) 1.43ng/ul

response 3568

Ion	Exp%	Act%
143.00	100	100
113.00	76.90	65.49
41.00	50.00	58.24
42.00	34.80	35.31

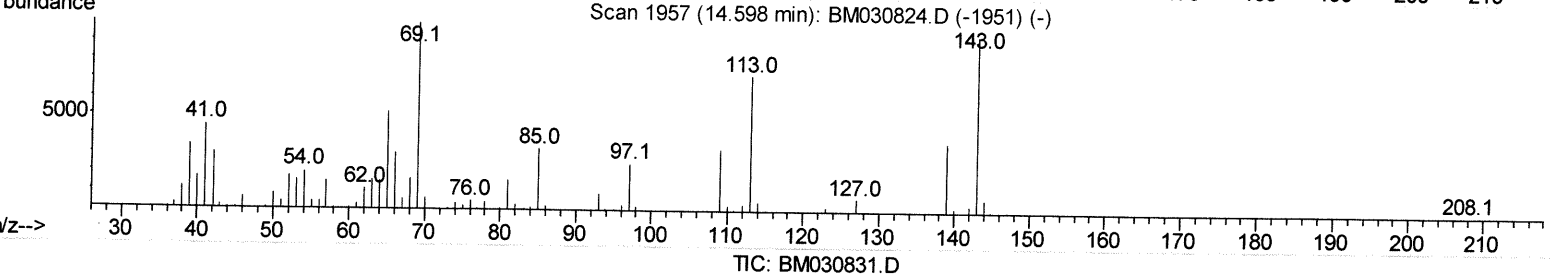
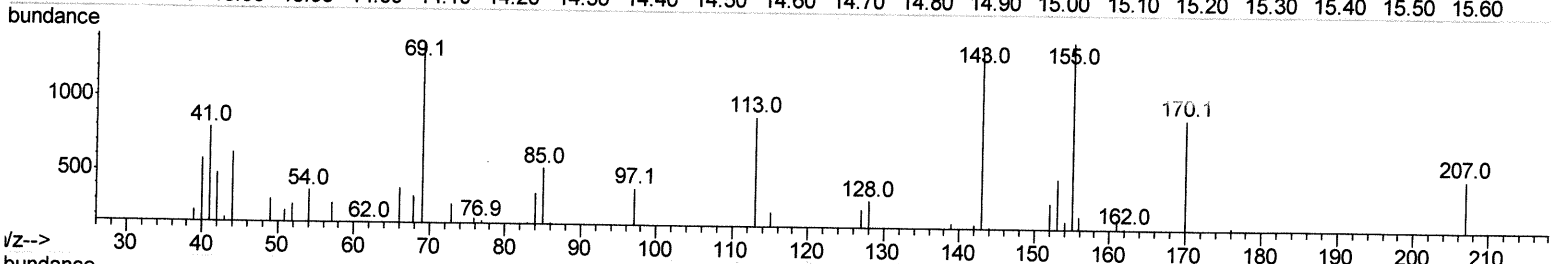
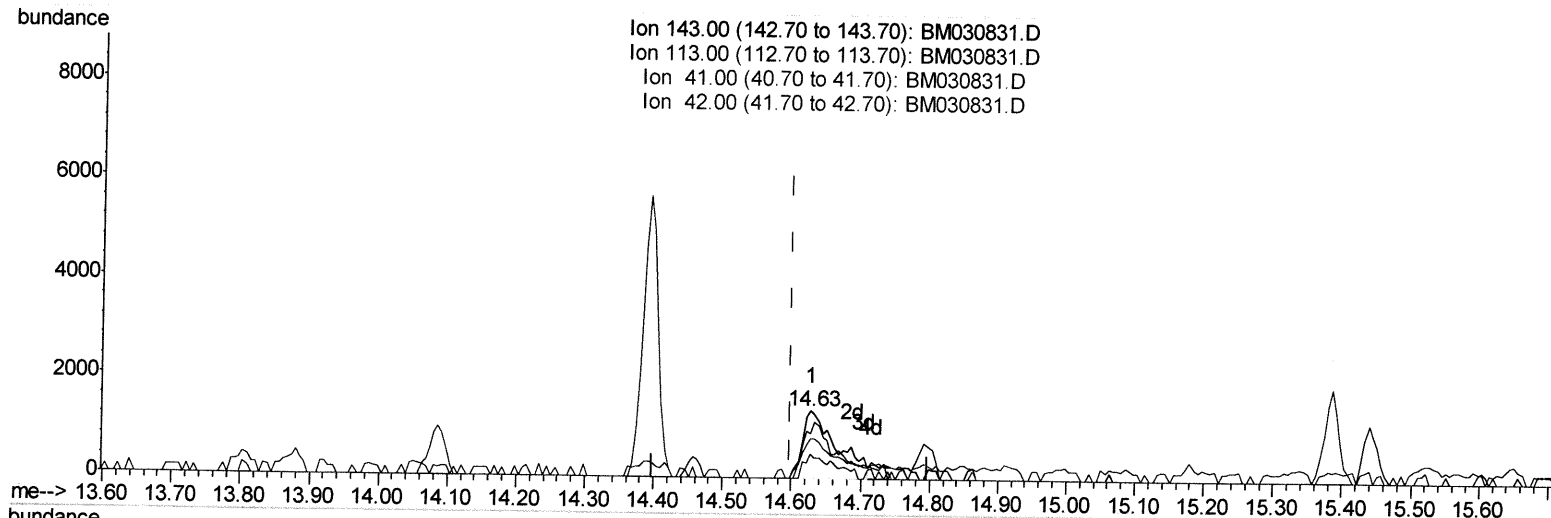


Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 BGDx1DL

Manual Integrations  
 APPROVED  
 mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:38:39 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM070621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 06 14:32:50 2021  
 Response via : Initial Calibration



(54) 4-Nitrophenol-d4 (S)

14.627min (+0.029) 1.88ng/ul m  
 response 4693  
 JU 7/8/21

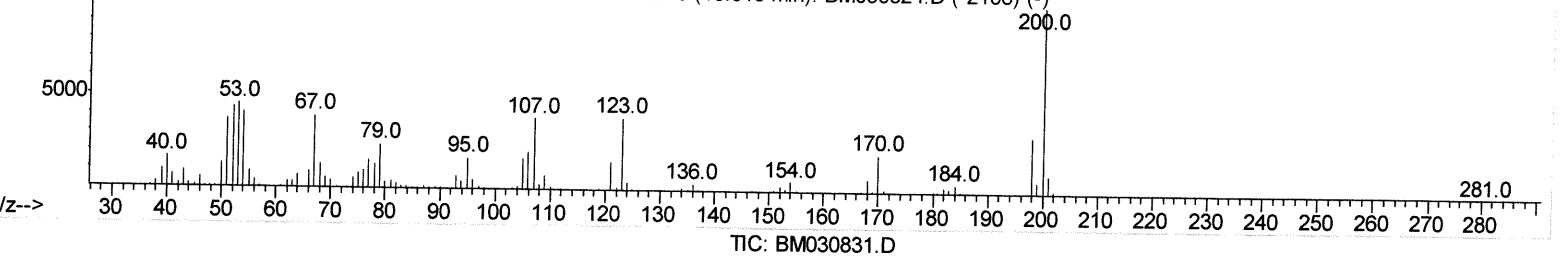
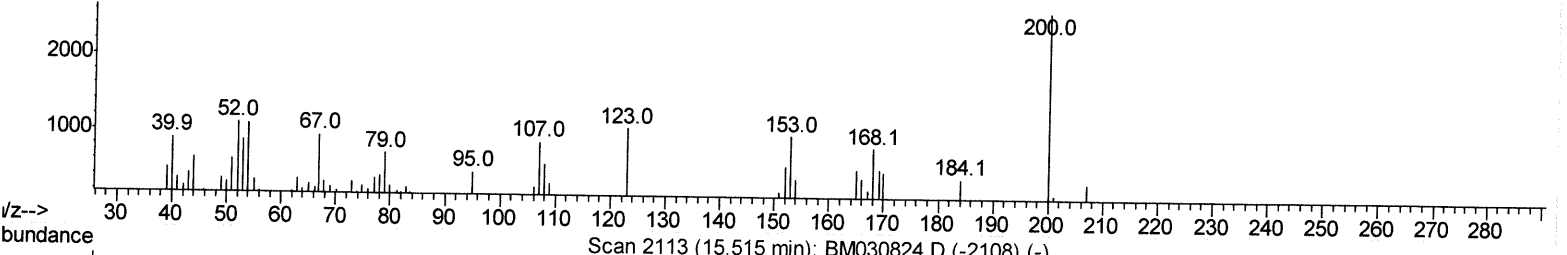
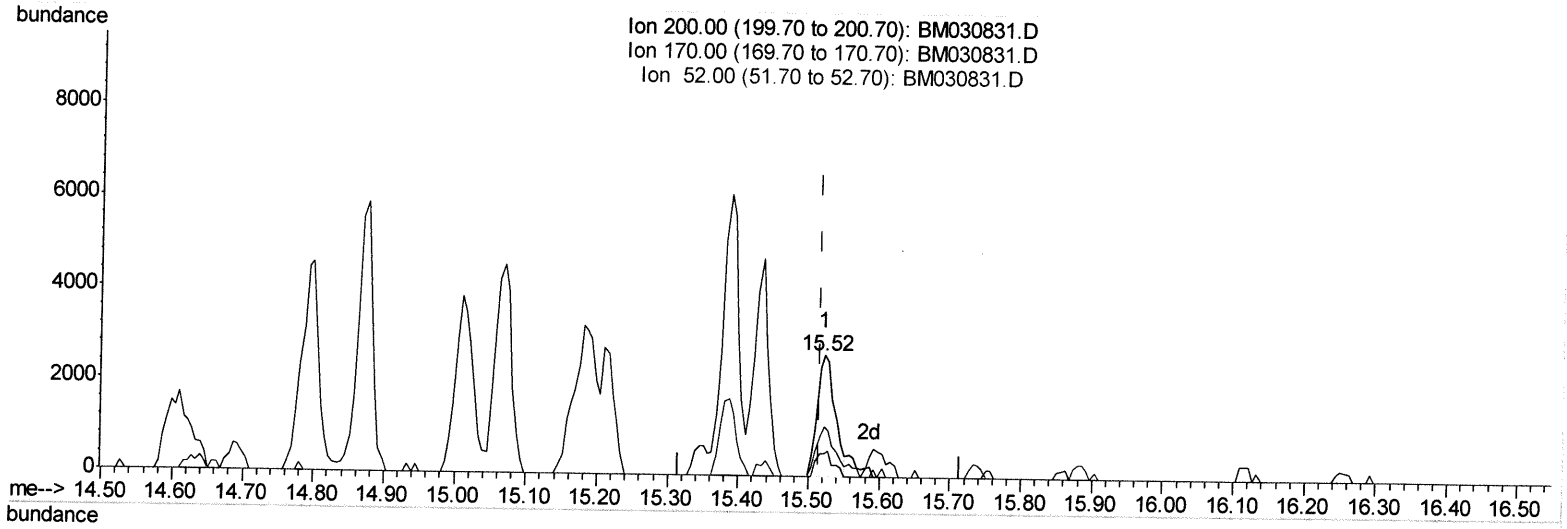
Ion	Exp%	Act%
143.00	100	100
113.00	76.90	65.49
41.00	50.00	58.24
42.00	34.80	35.31

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
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 Operator : CG/JU  
 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 BGDx1DL

**Manual Integrations**  
**APPROVED**  
 mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:39:17 2021  
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 Response via : Initial Calibration



(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.521min (+0.006) 1.87ng/ul

response 4614

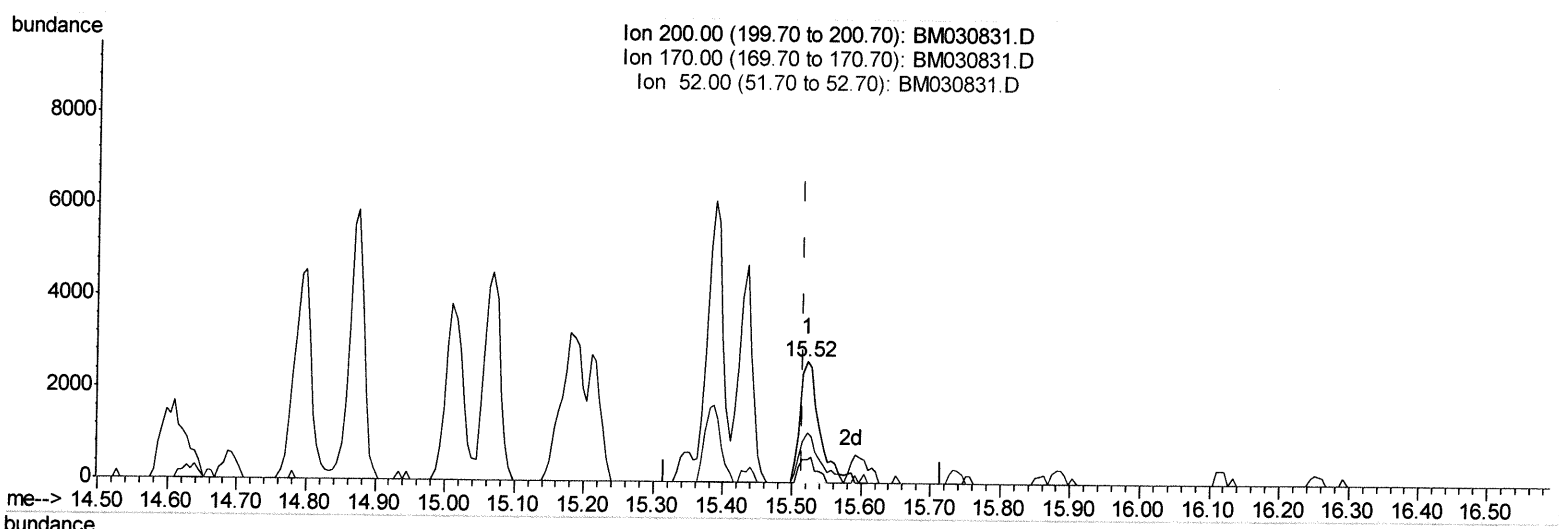
Ion	Exp%	Act%
200.00	100	100
170.00	19.50	19.02
52.00	50.30	41.30
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
 Data File : BM030831.D  
 Acq On : 06 Jul 2021 22:09  
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 Sample : M2869-03DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

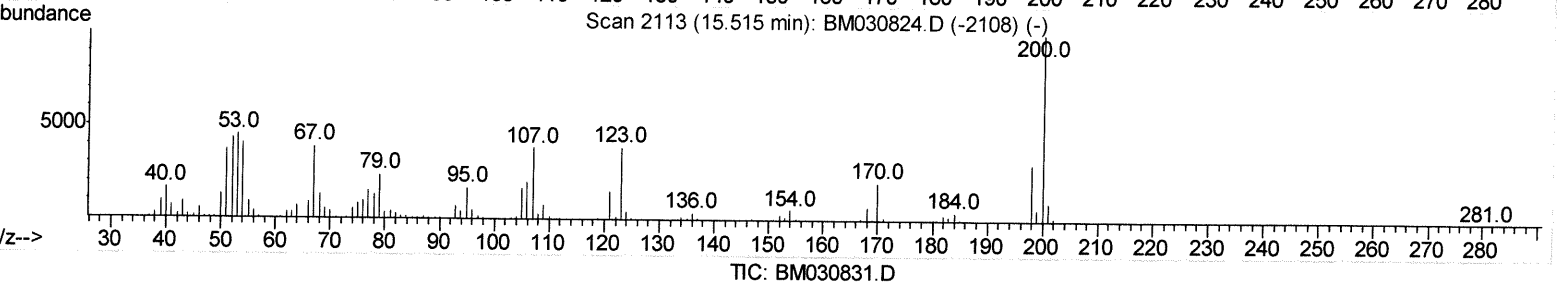
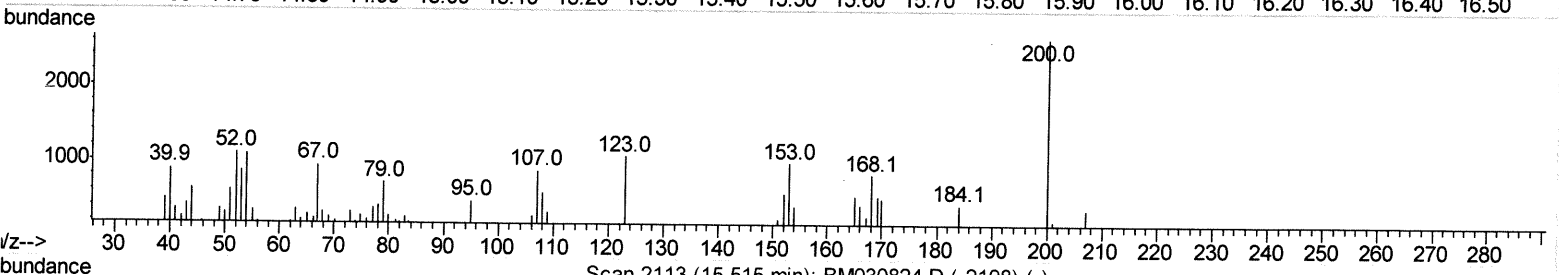
**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 BGDx1DL

**Manual Integrations**  
**APPROVED**  
 mohammad  
 7/7/2021 6:11:57 PM

Quant Time: Jul 07 02:39:17 2021  
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Ion 200.00 (199.70 to 200.70): BM030831.D  
 Ion 170.00 (169.70 to 170.70): BM030831.D  
 Ion 52.00 (51.70 to 52.70): BM030831.D



(65) 4,6-Dinitro-2-methylphenol-d2 (S)  
 15.521min (+0.006) 2.11ng/ul m  
 response 5211  
*JU/21*

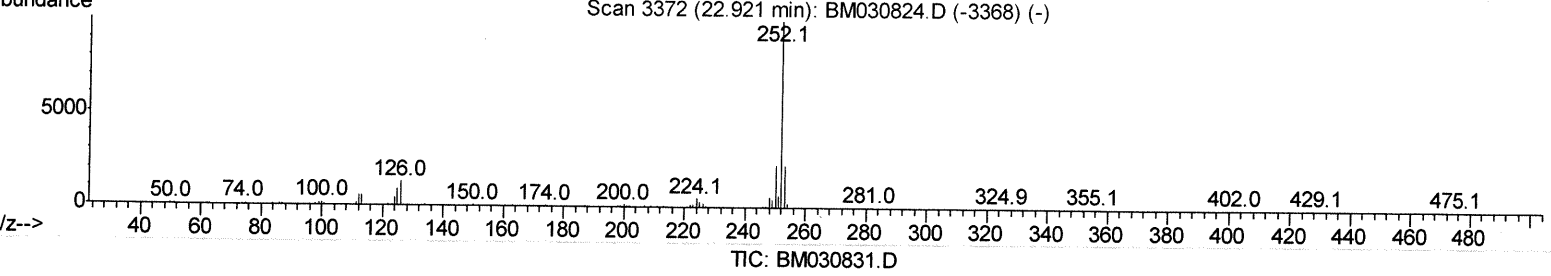
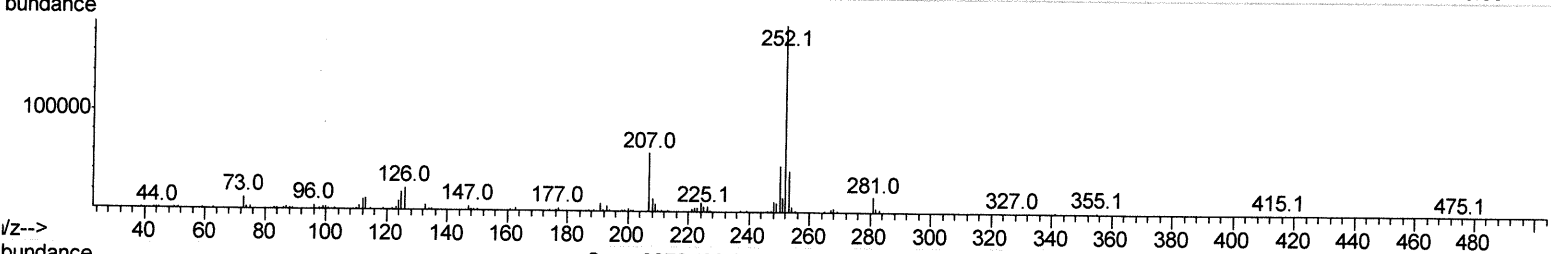
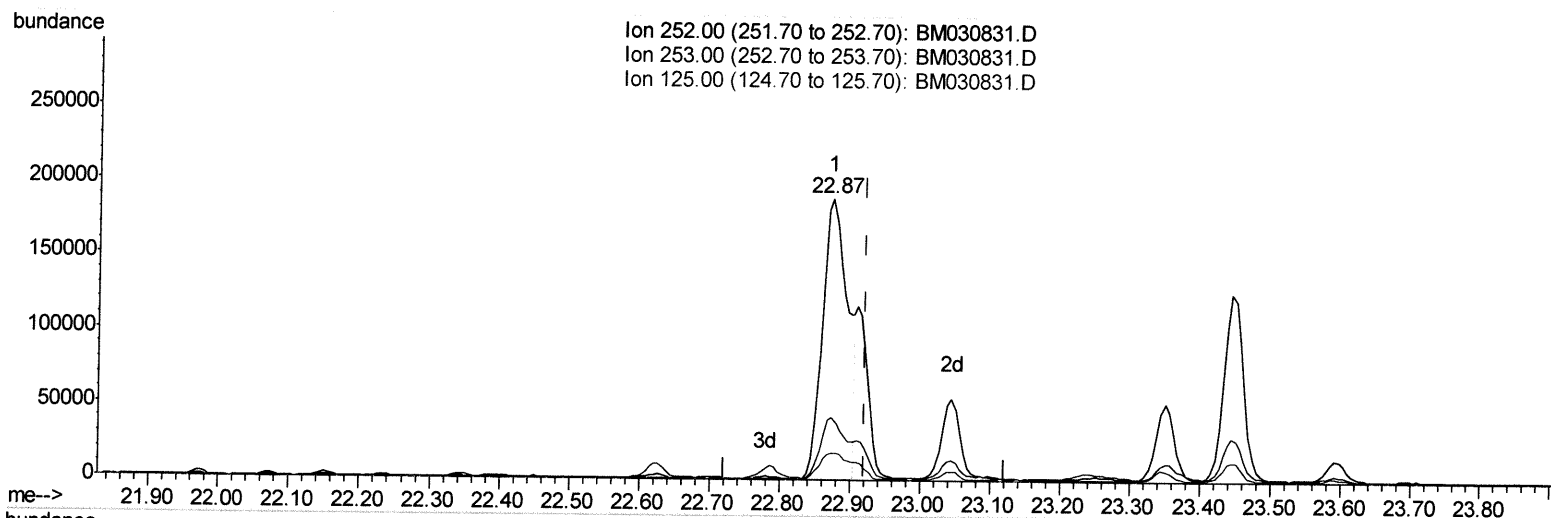
Ion	Exp%	Act%
200.00	100	100
170.00	19.50	19.02
52.00	50.30	41.30
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**Client Sampled :**  
 BGDx1DL

**Manual Integrations**  
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 mohammad  
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 Response via : Initial Calibration



(91) Benzo(k)fluoranthene  
 22.874min (-0.047) 17.74ng/ul  
 response 459664

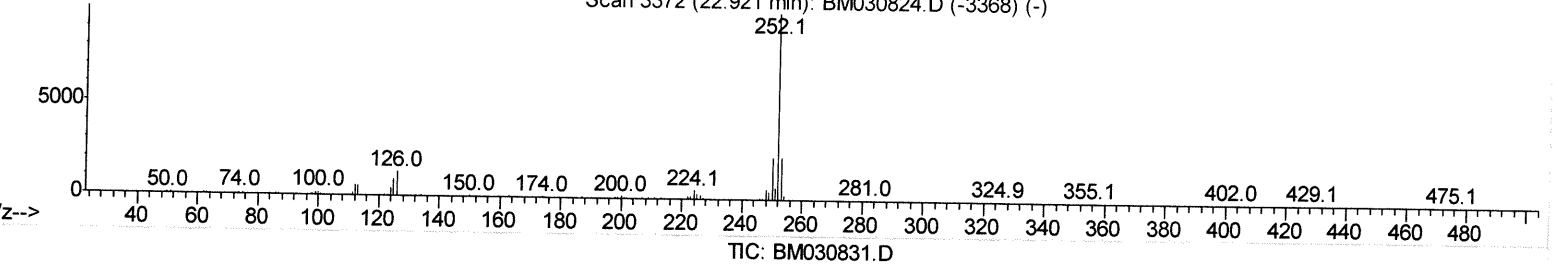
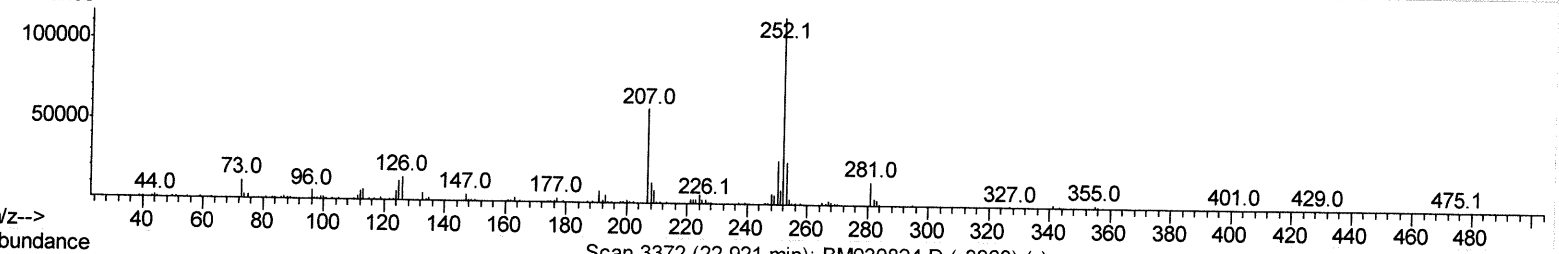
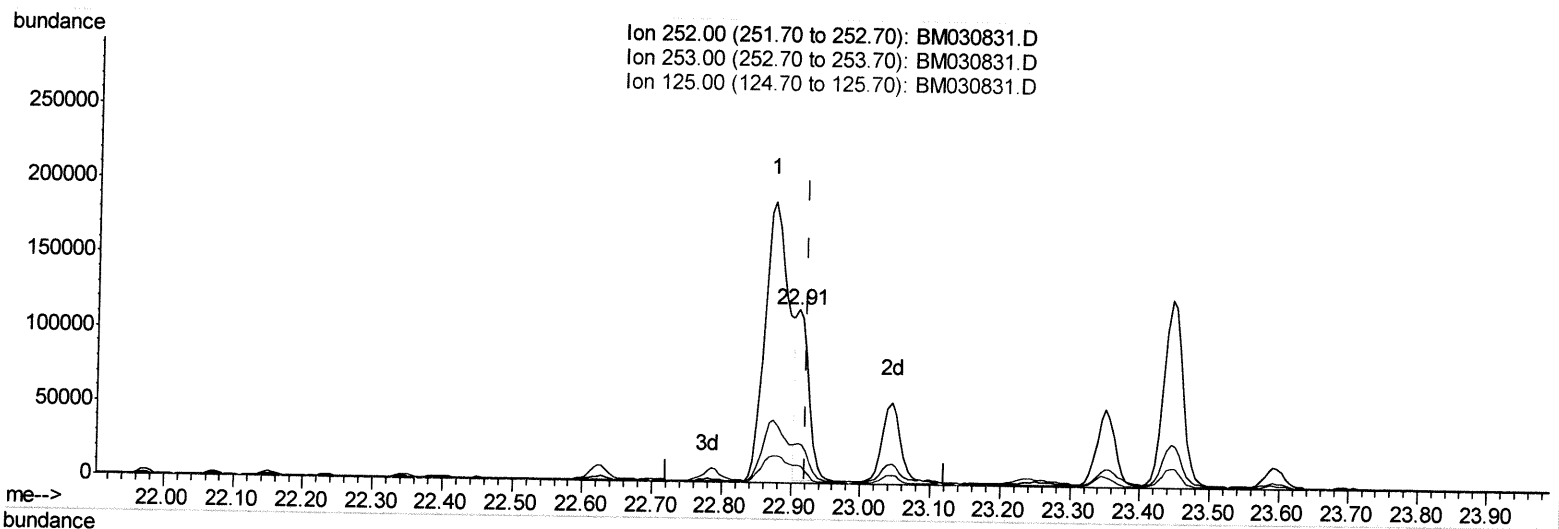
Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.23
125.00	9.20	9.76
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
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 Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.909min (-0.012) 5.48ng/ul m

response 142025

*JU 7/8/21*

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.69
125.00	9.20	10.15
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070621\  
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Instrument :  
 BNA\_M  
 ClientSampled :  
 BGDY1DL

Manual Integrations  
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 mohammad  
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	88864	20.00	ng/ul	0.00
20) Naphthalene-d8	10.55	136	351966	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.39	164	205315	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.13	188	385448	20.00	ng/ul	0.00
79) Chrysene-d12	21.30	240	381381	20.00	ng/ul	0.00
88) Perylene-d12	23.54	264	413878	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	2710m	1.19	ng/ul	0.00	} Ju 7/8/21
4) Pyridine-d5	3.73	84	12927m	2.17	ng/ul	0.06	
7) Phenol-d5	6.93	99	35334	4.55	ng/ul	0.00	
9) Bis-(2-Chloroethyl) ether-d	7.10	67	26484	5.30	ng/ul	0.00	
11) 2-Chlorophenol-d4	7.30	132	30395	5.10	ng/ul	0.00	
15) 4-Methylphenol-d8	8.47	113	26856	4.32	ng/ul	0.00	
21) Nitrobenzene-d5	8.93	128	12884	4.92	ng/ul	0.00	
24) 2-Nitrophenol-d4	9.65	143	12376	4.32	ng/ul	0.00	
28) 2,4-Dichlorophenol-d3	10.19	165	24904	4.52	ng/ul	0.01	
31) 4-Chloroaniline-d4	10.71	131	29642m	3.79	ng/ul	0.02	} Ju 7/8/21
46) Dimethylphthalate-d6	13.81	166	84182	5.86	ng/ul	0.00	
49) Acenaphthylene-d8	14.09	160	98057	5.40	ng/ul	0.00	
54) 4-Nitrophenol-d4	14.63	143	4693m	1.88	ng/ul	0.03	} Ju 7/8/21
60) Fluorene-d10	15.39	176	74692	5.90	ng/ul	0.00	} Ju 7/8/21
65) 4,6-Dinitro-2-methylphenol	15.52	200	5211m	2.11	ng/ul	0.00	
73) Anthracene-d10	17.23	188	111174	6.19	ng/ul	0.00	
81) Pyrene-d10	19.52	212	113801	5.41	ng/ul	0.00	
92) Benzo(a)pyrene-d12	23.40	264	99090	4.64	ng/ul	0.00	

Target Compounds

					Ovalue
47) Dimethylphthalate	13.86	163	31085	2.207	ng/ul 99
52) Acenaphthene	14.46	153	63004	5.092	ng/ul 99
61) Fluorene	15.44	166	73832	5.145	ng/ul 95
72) Phenanthrene	17.17	178	861156	41.870	ng/ul 99
74) Anthracene	17.27	178	287476	13.604	ng/ul 100
80) Fluoranthene	19.19	202	985761	38.008	ng/ul 100
82) Pyrene	19.55	202	673841	25.068	ng/ul 100
85) Benzo(a)anthracene	21.29	228	474022	19.879	ng/ul 97
87) Chrysene	21.34	228	356029	15.175	ng/ul 99
90) Benzo(b)fluoranthene	22.87	252	459664	17.241	ng/ul 99
91) Benzo(k)fluoranthene	22.91	252	142025m	5.481	ng/ul 99
93) Benzo(a)pyrene	23.44	252	238411	10.105	ng/ul 96
94) Indeno(1,2,3-cd)pyrene	25.81	276	160908	5.484	ng/ul 97
95) Dibenzo(a,h)anthracene	25.82	278	53881	2.190	ng/ul# 90

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