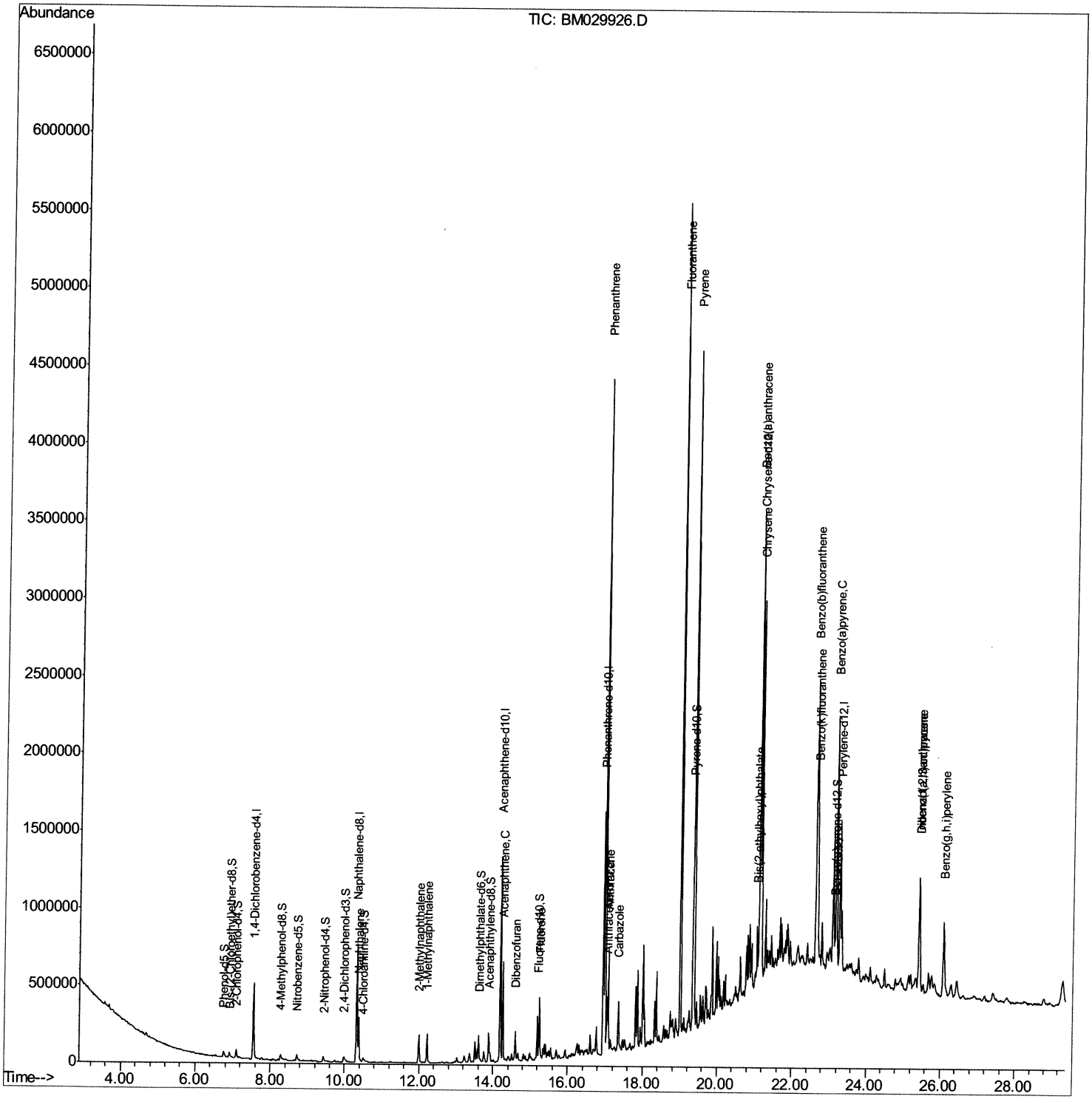
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 08:58:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
5/11/2021 2:33:36 PM



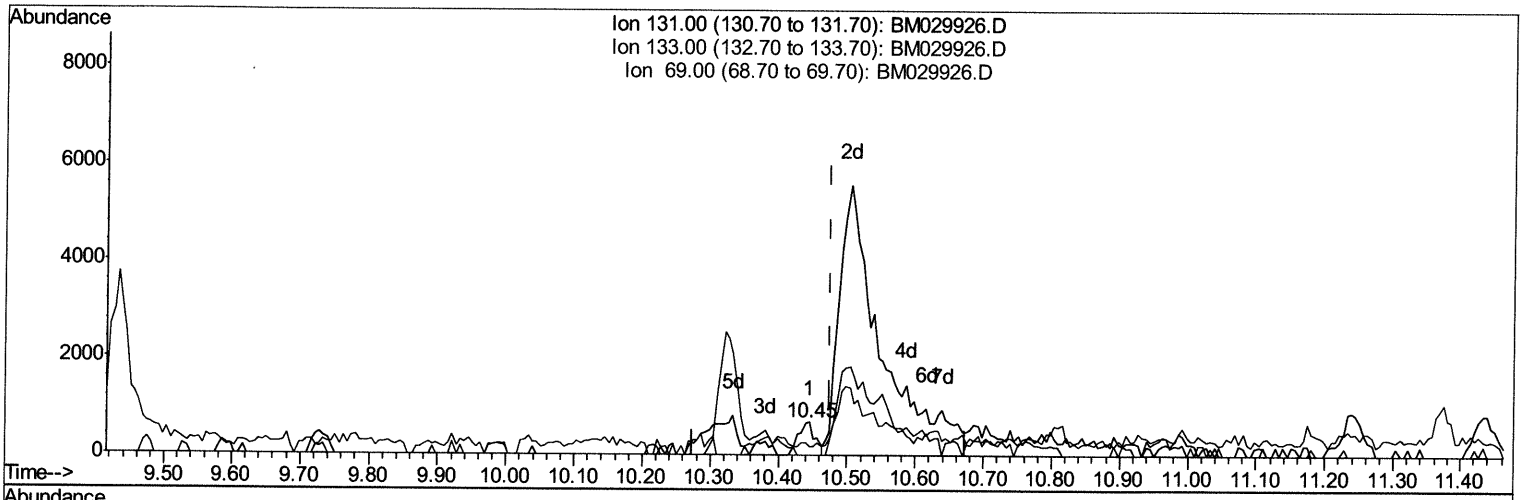
Quantitation Report (Qedit)

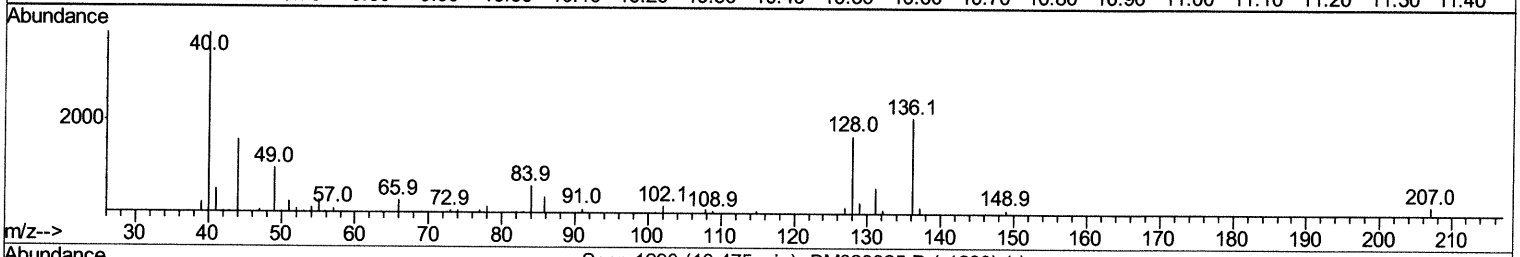
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

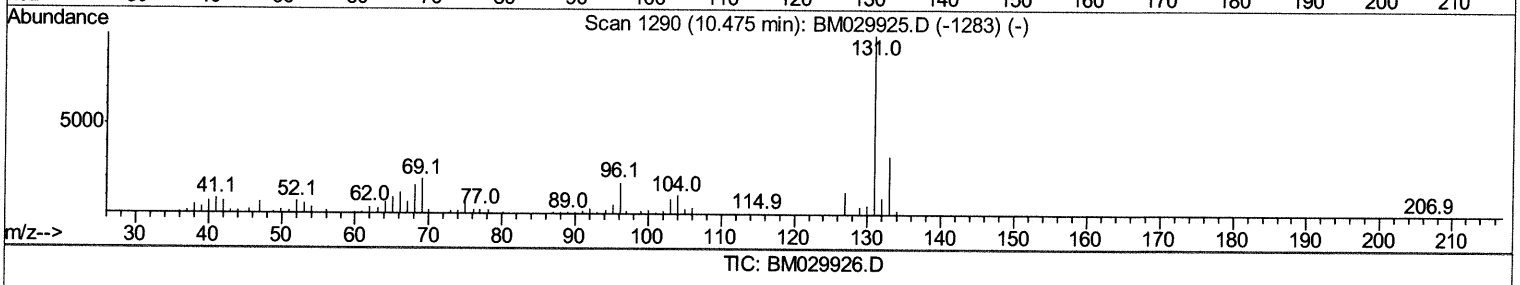
Quant Time: May 11 05:10:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
5/11/2021 2:33:36 PM







TIC: BM029926.D

(31) 4-Chloroaniline-d4 (S)

10.445min (-0.029) 0.08ng/ul

response 1149

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	0.00#
69.00	18.00	26.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:10:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
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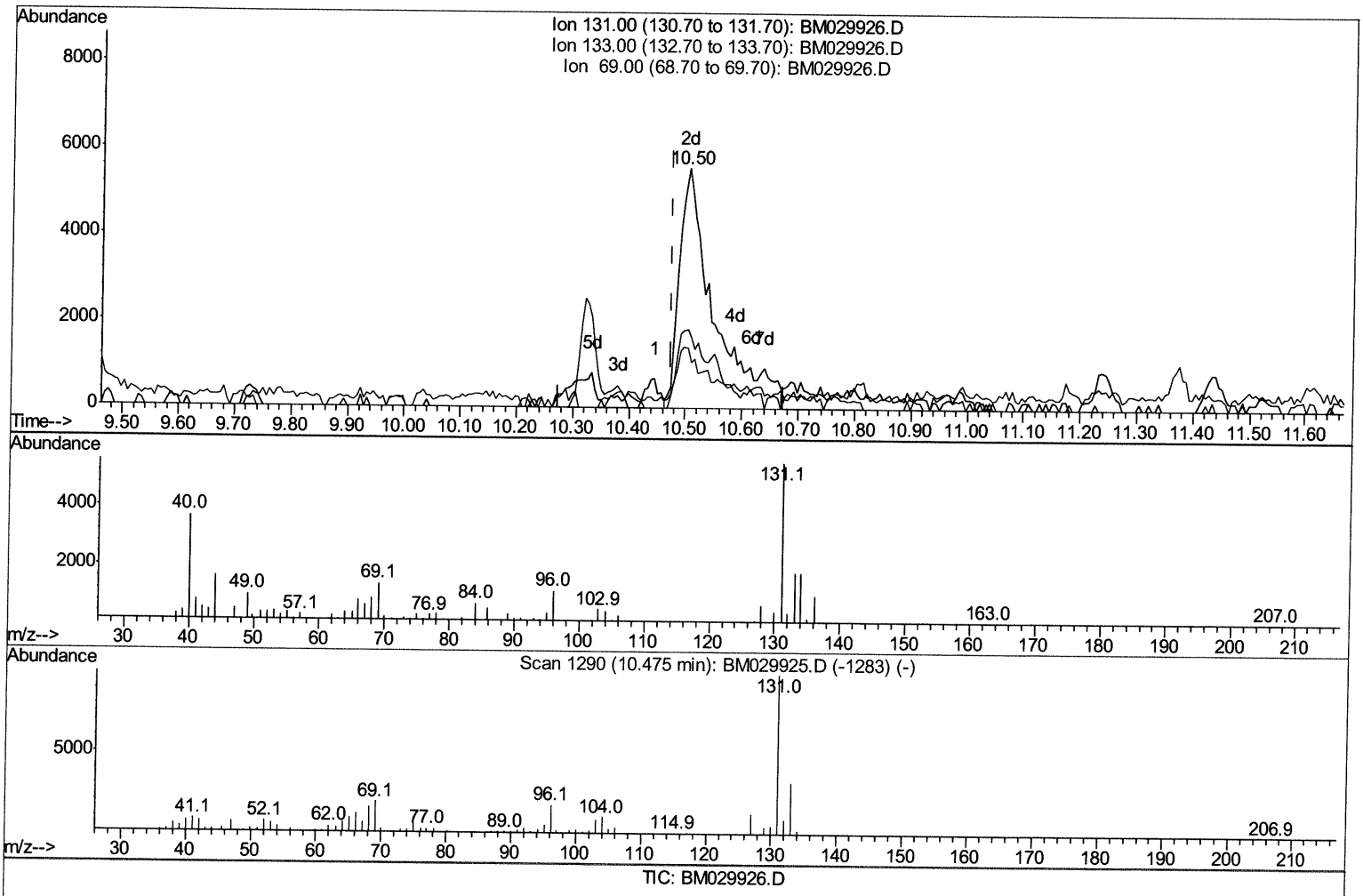


TIC: BM029926.D

(31) 4-Chloroaniline-d4 (S)

10.504min (+0.029) 1.59ng/ul m 05/12/21 JU

response 23593

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	32.58
69.00	18.00	24.81#
0.00	0.00	0.00

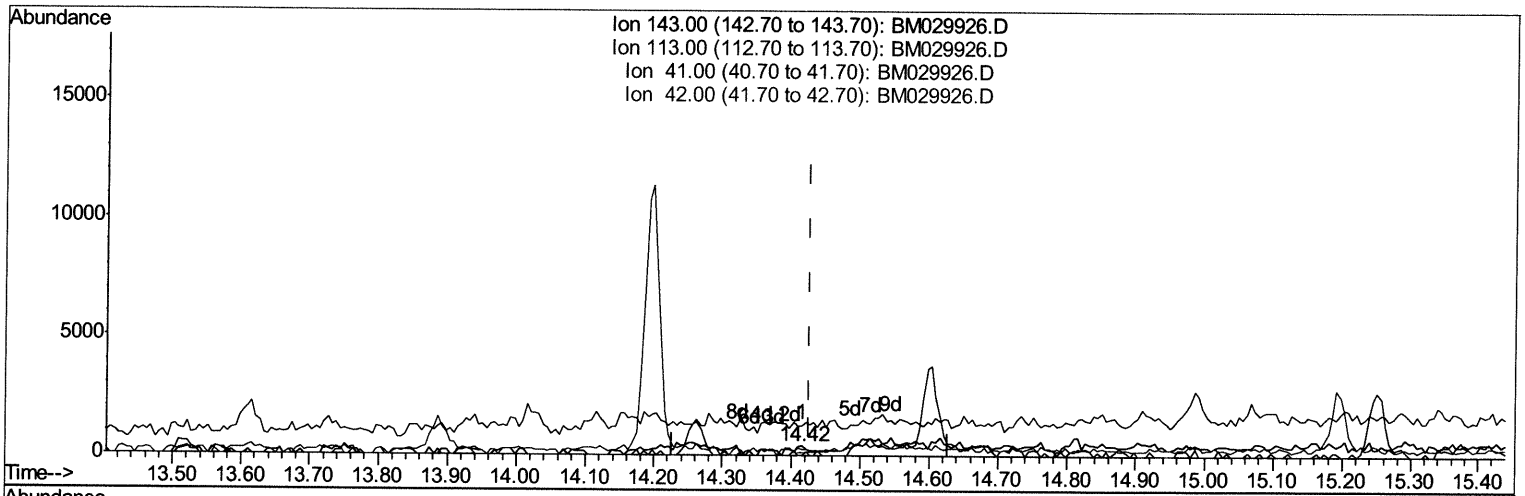
Quantitation Report (Qedit)

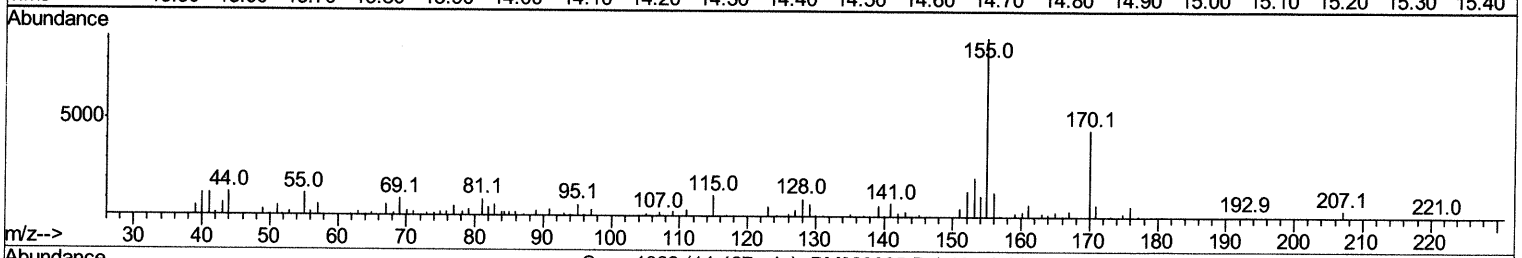
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

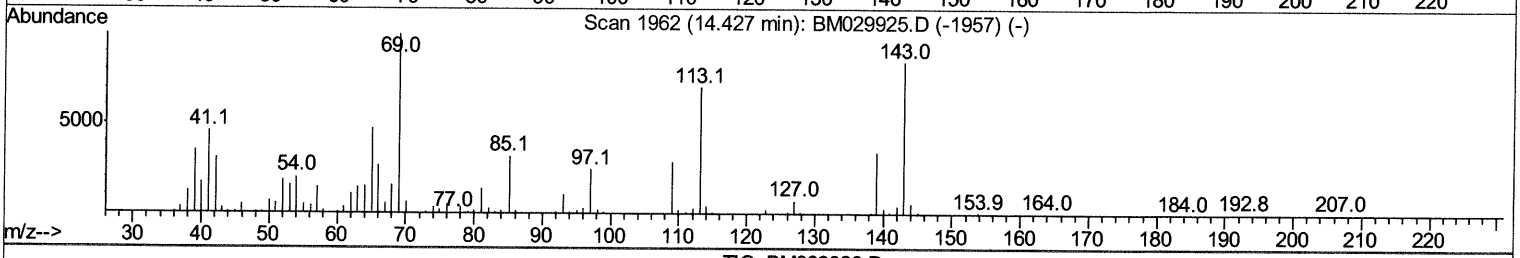
Quant Time: May 11 05:13:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
5/11/2021 2:33:36 PM







TIC: BM029926.D

(54) 4-Nitrophenol-d4 (S)

14.415min (-0.012) 0.06ng/ul

response 319

Ion	Exp%	Act%
143.00	100	100
113.00	71.10	0.00#
41.00	44.70	319.90#
42.00	28.30	66.75#

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:13:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
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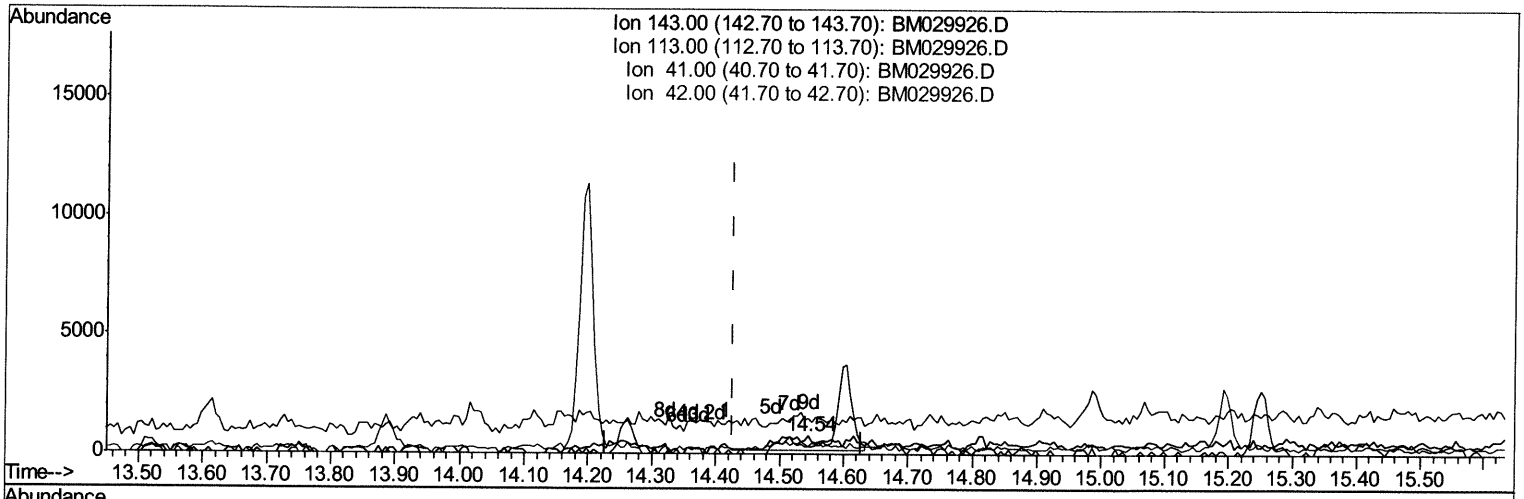

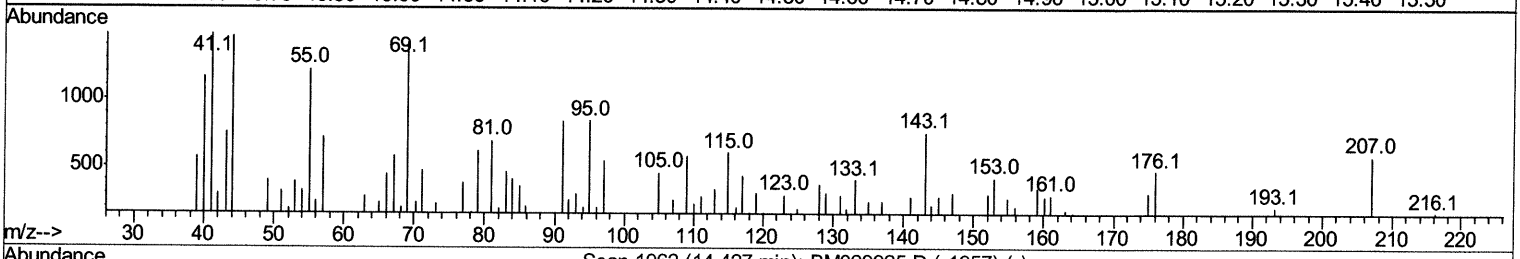

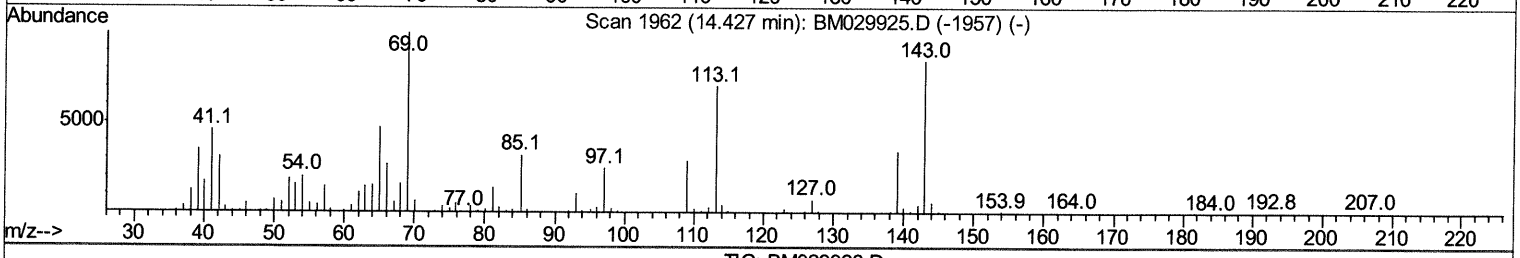

TIC: BM029926.D

(54) 4-Nitrophenol-d4 (S)

14.545min (+0.118) 0.78ng/ul m 05/12/21JU

response 4089

Ion	Exp%	Act%
143.00	100	100
113.00	71.10	44.37#
41.00	44.70	196.82#
42.00	28.30	38.94#

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:15:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
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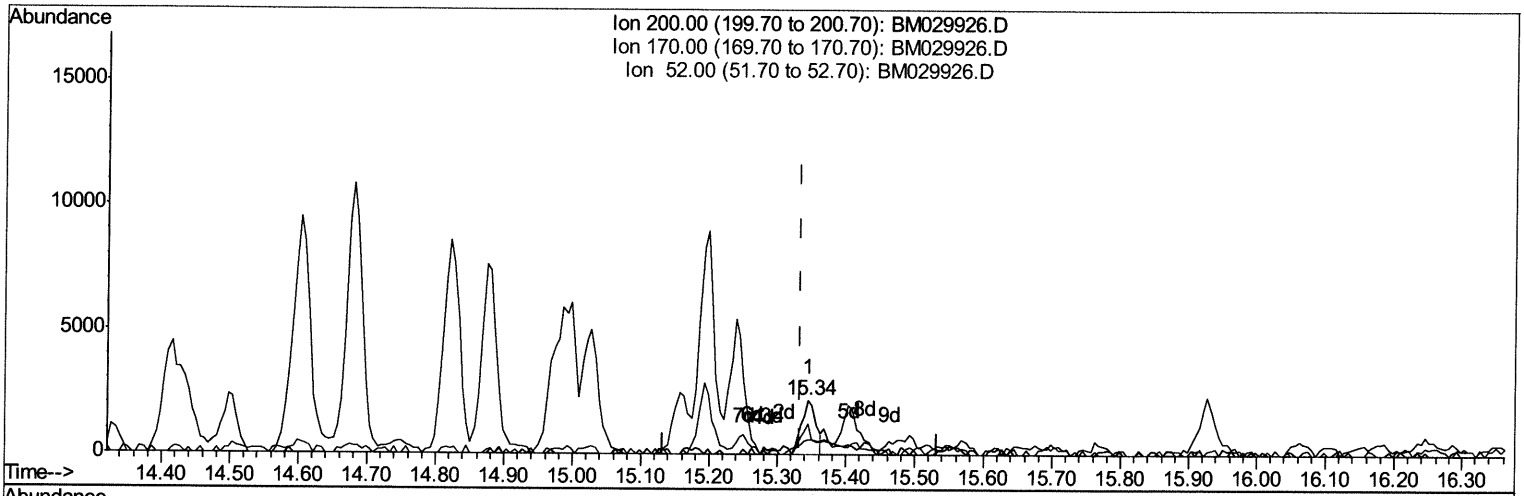

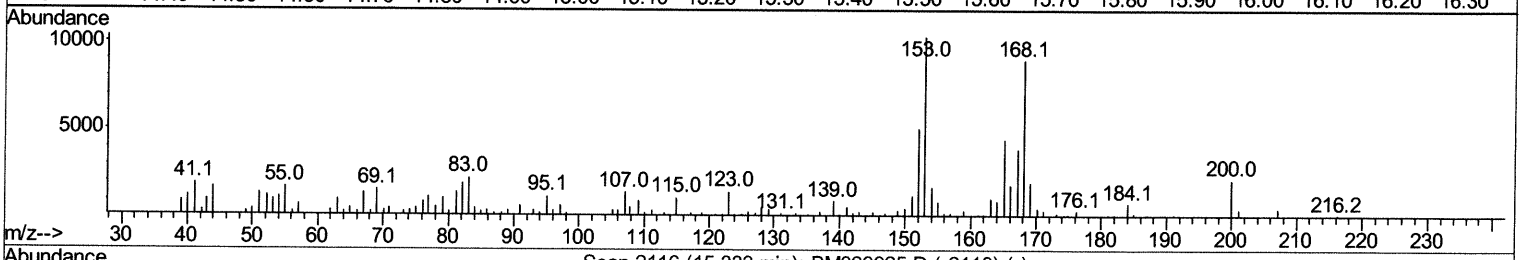

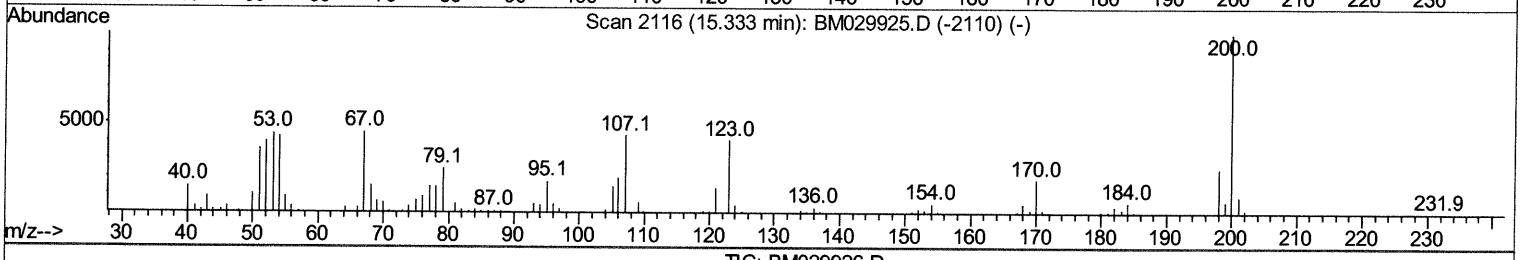

TIC: BM029926.D

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

15.345min (+0.012) 0.59ng/ul

response 3261

Ion	Exp%	Act%
200.00	100	100
170.00	18.30	27.81#
52.00	48.20	56.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:15:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
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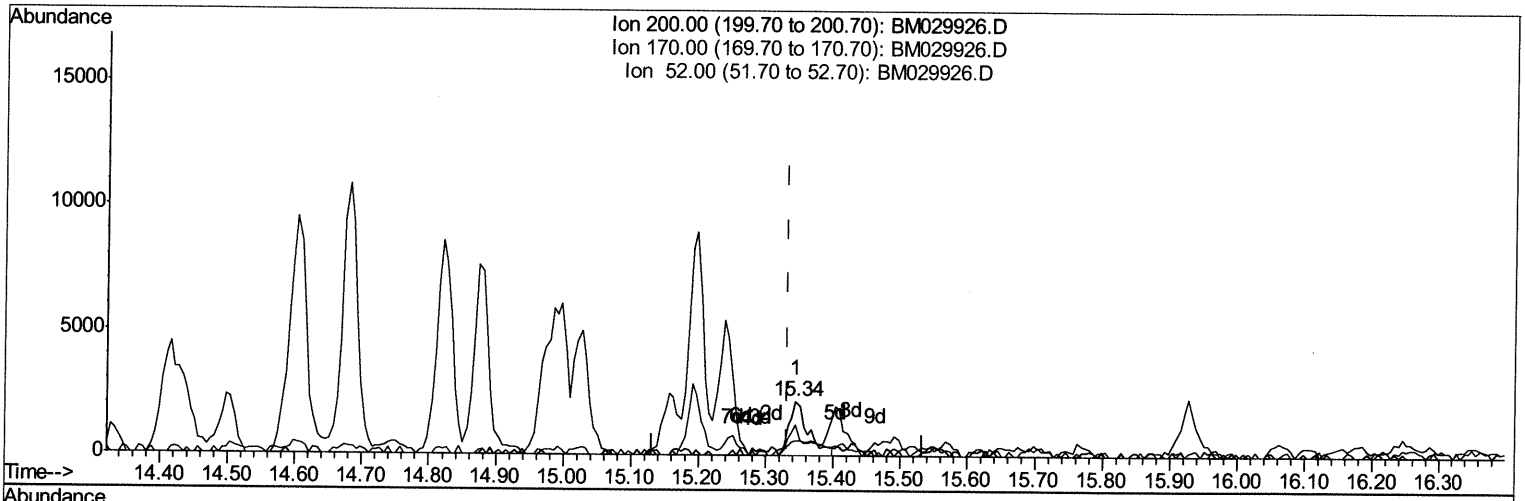

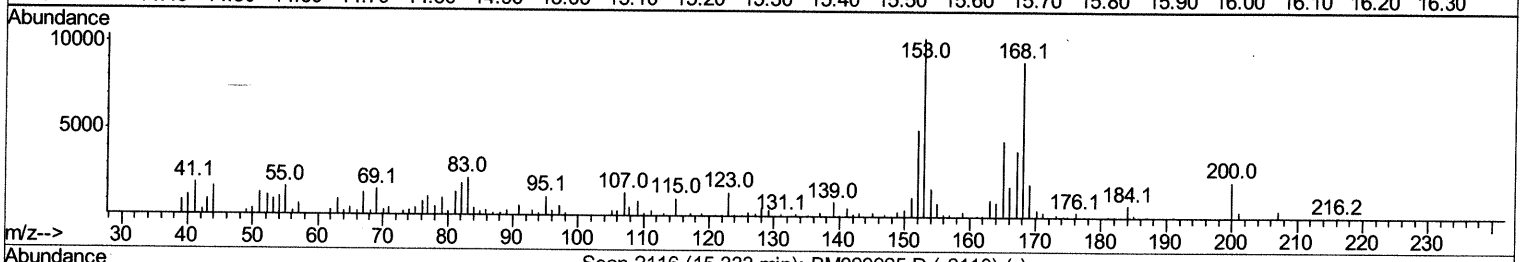

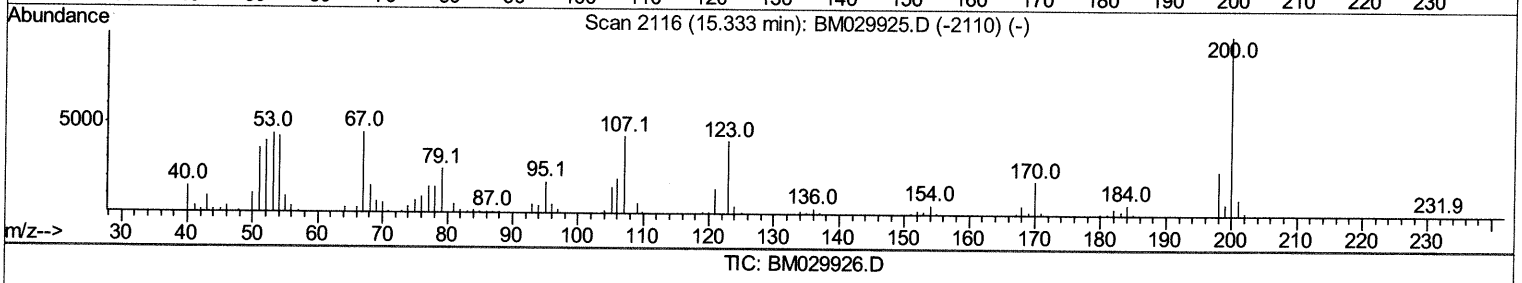

TIC: BM029926.D

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

15.345min (+0.012) 0.78ng/ul m 05/12/21 JU

response 4316

Ion	Exp%	Act%
200.00	100	100
170.00	18.30	27.81#
52.00	48.20	56.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:16:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
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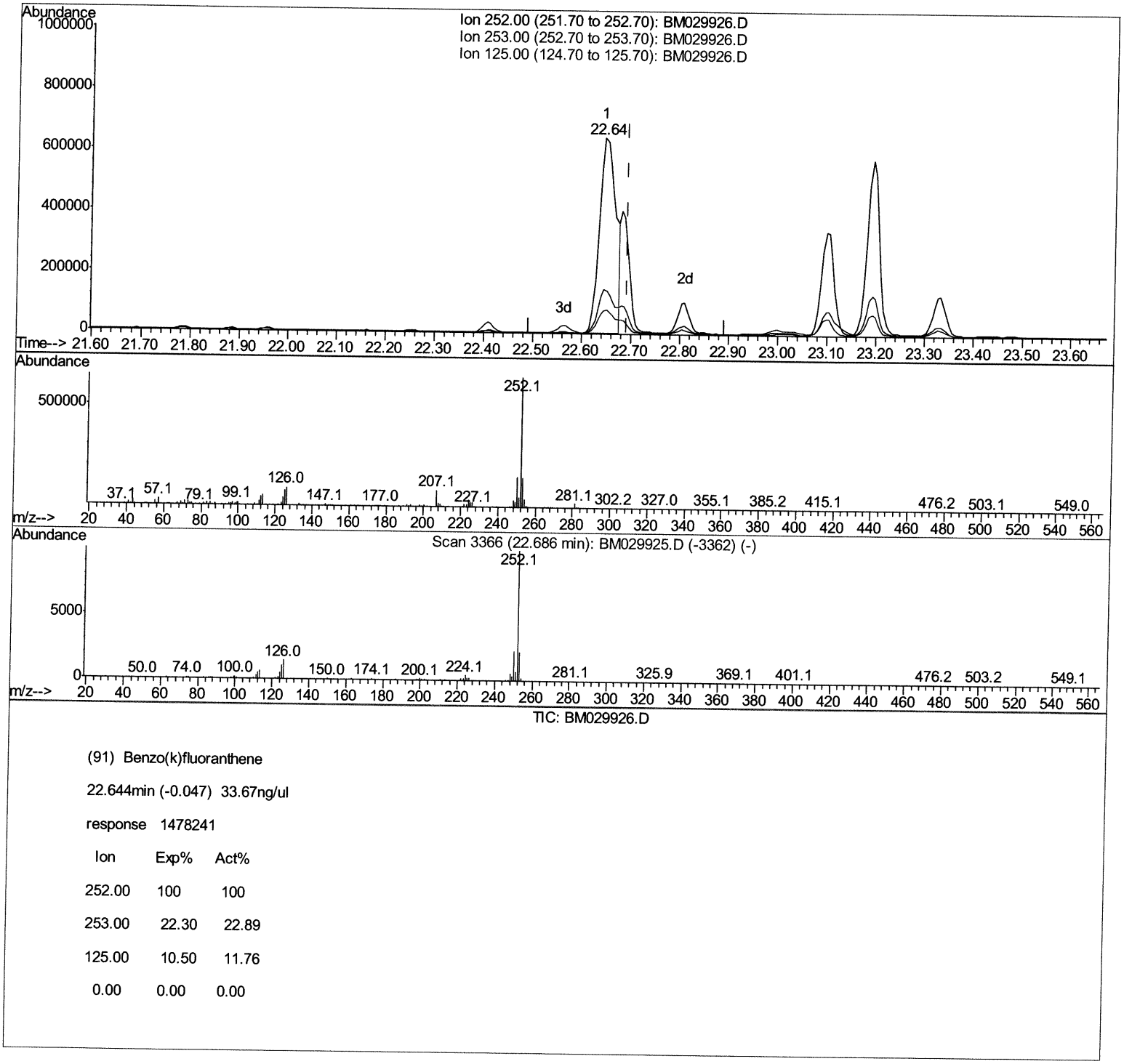

(91) Benzo(k)fluoranthene

22.644min (-0.047) 33.67ng/ul

response 1478241

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.89
125.00	10.50	11.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:16:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
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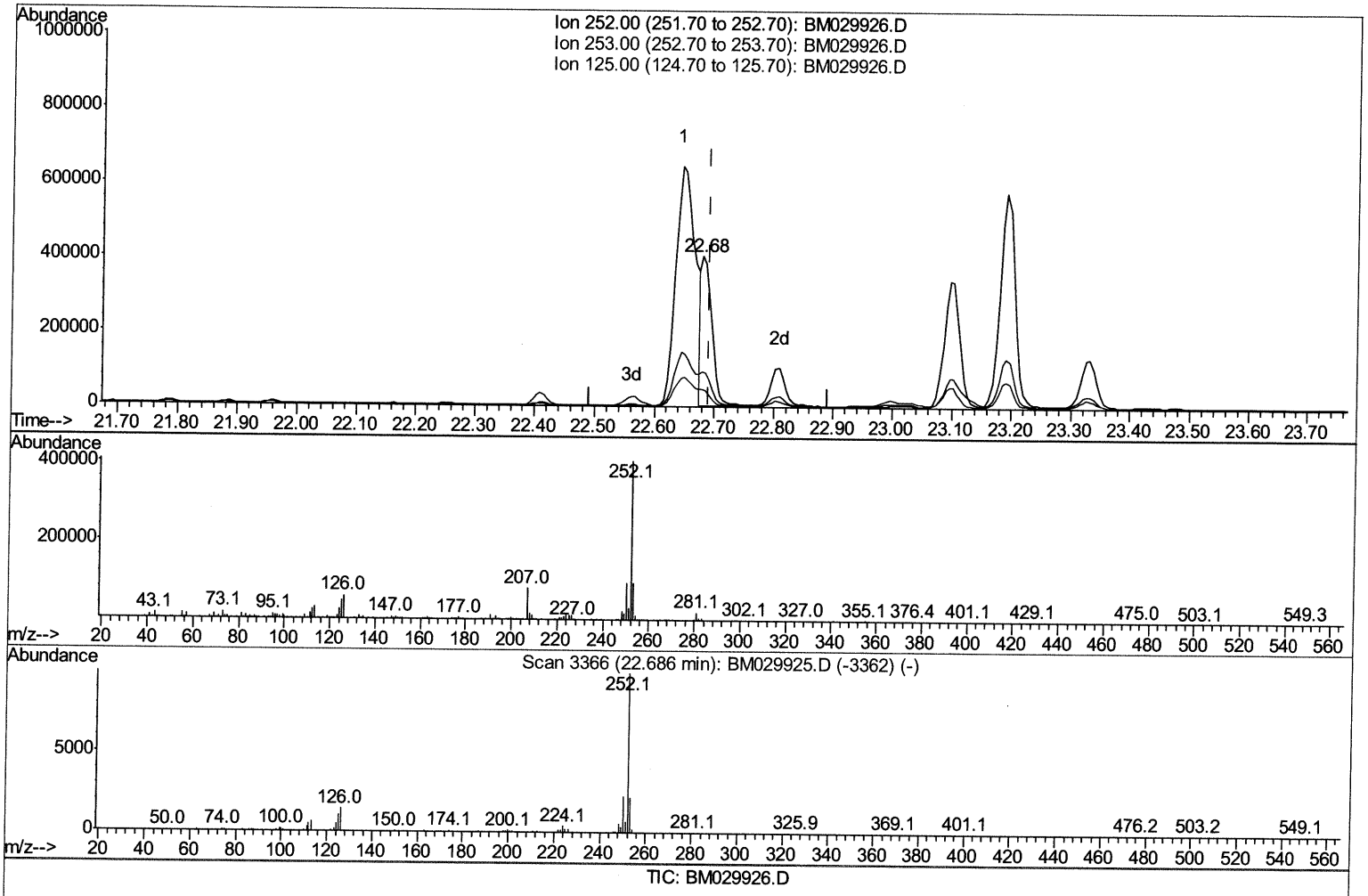
5/11/2021 2:33:36 PM



TIC: BM029926.D

(91) Benzo(k)fluoranthene

22.680min (-0.012) 11.24ng/ul m 05/12/21 JU

response 493427

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	23.29
125.00	10.50	11.86
0.00	0.00	0.00

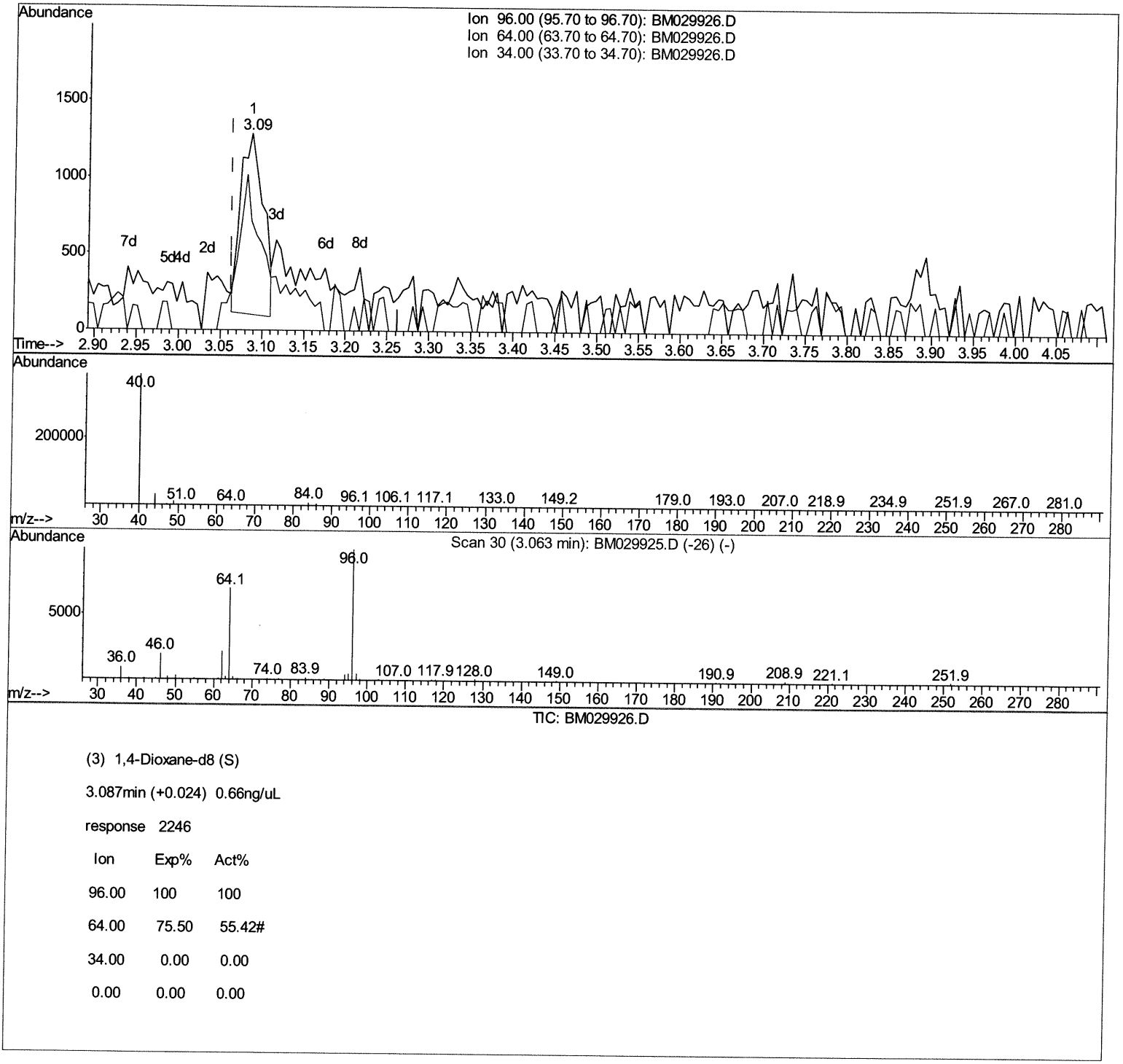
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:17:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
5/11/2021 2:33:36 PM



TIC: BM029926.D

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

3.087min (+0.024) 0.66ng/uL

response 2246

Ion	Exp%	Act%
96.00	100	100
64.00	75.50	55.42#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 05:17:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
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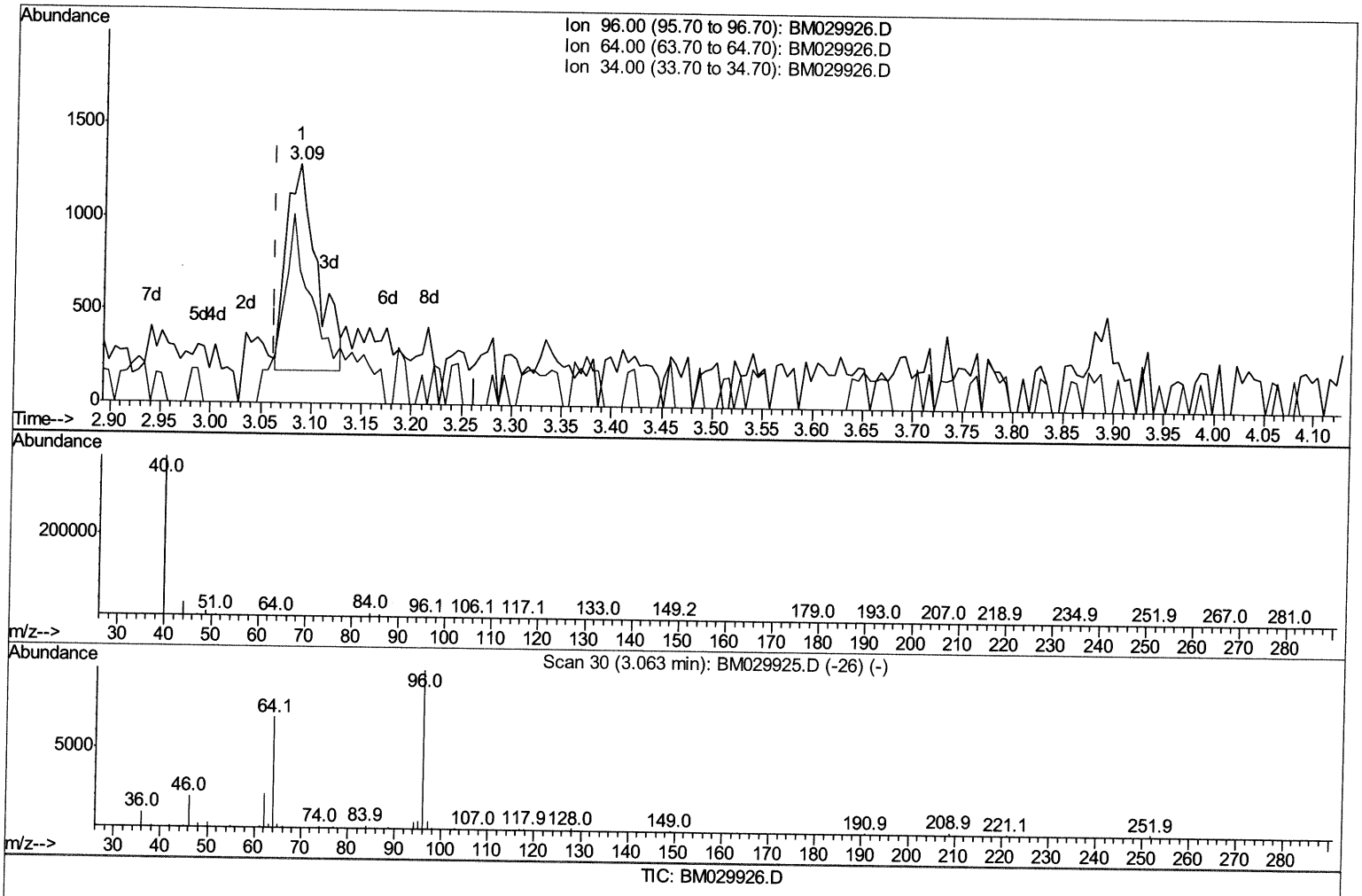
Manual Integrations APPROVED
mohammad
5/11/2021 2:33:36 PM



TIC: BM029926.D

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

3.087min (+0.024) 0.69ng/uL m 05/12/2021

response 2364

Ion	Exp%	Act%
96.00	100	100
64.00	75.50	55.42#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
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Misc :
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Quant Time: May 11 08:58:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
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Instrument : BNA_M
ClientSampleId : BG591

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.55	152	135991	20.00	ng/ul	0.00	
20) Naphthalene-d8	10.32	136	624540	20.00	ng/ul	0.00	
38) Acenaphthene-d10	14.20	164	414107	20.00	ng/ul	0.00	
64) Phenanthrene-d10	16.94	188	856332	20.00	ng/ul	0.00	
79) Chrysene-d12	21.13	240	728817	20.00	ng/ul	0.00	
88) Perylene-d12	23.29	264	643796	20.00	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.09	96	2364m	0.69	ng/uL	0.02	05/12/21 JU
4) Pyridine-d5	0.00	84	0d	0.00	ng/ul		
7) Phenol-d5	6.75	99	27062	2.14	ng/ul	0.01	
9) Bis-(2-Chloroethyl)ether-d	6.91	67	20113	2.56	ng/ul	0.01	
11) 2-Chlorophenol-d4	7.10	132	28199	2.89	ng/ul	0.01	
15) 4-Methylphenol-d8	8.28	113	23091	2.21	ng/ul	0.01	
21) Nitrobenzene-d5	8.72	128	11374	2.64	ng/ul	0.01	
24) 2-Nitrophenol-d4	9.43	143	11609	2.39	ng/ul	0.01	
28) 2,4-Dichlorophenol-d3	9.98	165	20936	2.15	ng/ul	0.02	
31) 4-Chloroaniline-d4	10.50	131	23593m	1.59	ng/ul	0.03	05/12/21 JU
46) Dimethylphthalate-d6	13.62	166	109694	3.42	ng/ul	0.00	
49) Acenaphthylene-d8	13.89	160	130857	3.22	ng/ul	0.00	
54) 4-Nitrophenol-d4	14.54	143	4089m	0.78	ng/ul	0.12	05/12/21 JU
60) Fluorene-d10	15.20	176	103903	3.81	ng/ul	0.00	
65) 4,6-Dinitro-2-methylphenol	15.34	200	4316m	0.78	ng/ul	0.01	05/12/21 JU
73) Anthracene-d10	17.04	188	169068	3.92	ng/ul	0.00	
81) Pyrene-d10	19.34	212	178537	4.78	ng/ul	0.00	
92) Benzo(a)pyrene-d12	23.15	264	131533	3.60	ng/ul	0.00	
Target Compounds						Qvalue	
30) Naphthalene	10.37	128	222915	6.430	ng/ul	100	
36) 2-Methylnaphthalene	12.00	142	92757	3.689	ng/ul	99	
37) 1-Methylnaphthalene	12.22	142	87807	3.523	ng/ul#	93	
52) Acenaphthene	14.26	153	240768	8.660	ng/ul	98	
56) Dibenzofuran	14.60	168	102305	2.687	ng/ul	94	
61) Fluorene	15.25	166	168151	5.165	ng/ul	98	
72) Phenanthrene	16.99	178	2400256	47.537	ng/ul	99	
74) Anthracene	17.08	178	396603	7.683	ng/ul	98	
77) Carbazole	17.36	167	209318	4.426	ng/ul	99	
80) Fluoranthene	19.01	202	2993087	65.778	ng/ul	98	
82) Pyrene	19.37	202	2622709	54.770	ng/ul	99	
85) Benzo(a)anthracene	21.12	228	1255023	26.393	ng/ul	99	
86) Bis(2-ethylhexyl)phthalate	21.06	149	79528	2.710	ng/ul	100	
87) Chrysene	21.17	228	1187906	25.082	ng/ul	98	
90) Benzo(b)fluoranthene	22.64	252	1478241	35.398	ng/ul	98	
91) Benzo(k)fluoranthene	22.68	252	493427m	11.239	ng/ul	05/12/21 JU	
93) Benzo(a)pyrene	23.19	252	1006161	26.529	ng/ul	99	
94) Indeno(1,2,3-cd)pyrene	25.43	276	667191	14.534	ng/ul	96	
95) Dibenzo(a,h)anthracene	25.43	278	173301	4.454	ng/ul#	80	
96) Benzo(g,h,i)perylene	26.09	276	542761	14.593	ng/ul	96	

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051021\
Data File : BM029926.D
Acq On : 11 May 2021 04:36
Operator : CG/JU
Sample : M2177-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 11 08:58:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BG591

Manual Integrations APPROVED
mohammad
5/11/2021 2:33:36 PM

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

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