Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 10 12:55:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 15:21:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
88) Benzo(k)fluoranthene	22.59	252	996883m	18.844 ng/ul	
90) Benzo(a)pyrene	23.09	252	3703554	74.414 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.24	276	1767539	29.872 ng/ul	94
92) Dibenzo(a,h)anthracene	25.24	278	553455	11.112 ng/ul#	81
93) Benzo(g,h,i)perylene	25.87	276	1860526	37.517 ng/ul	96

JY 02/13/20

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

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
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Acq On : 07 Feb 2020 15:01
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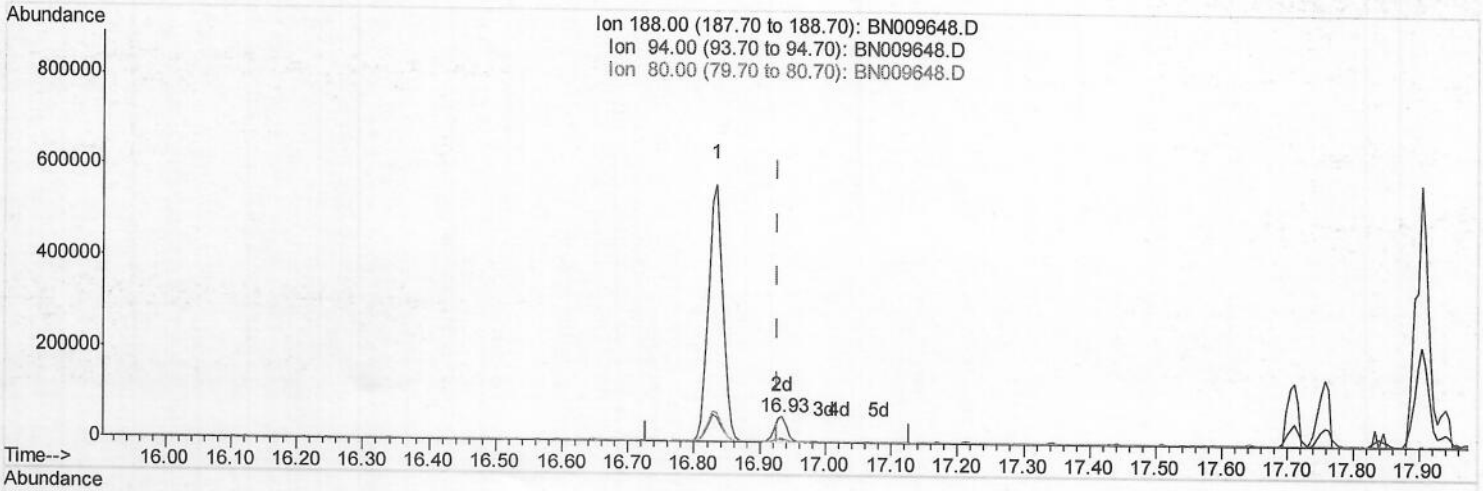
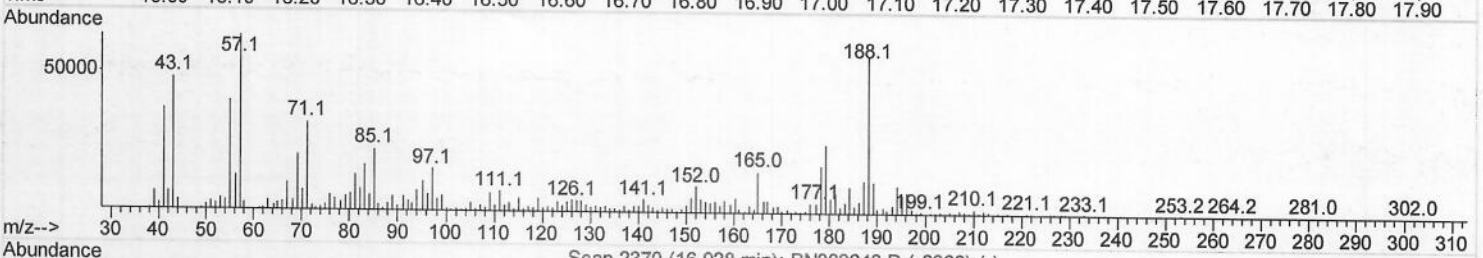
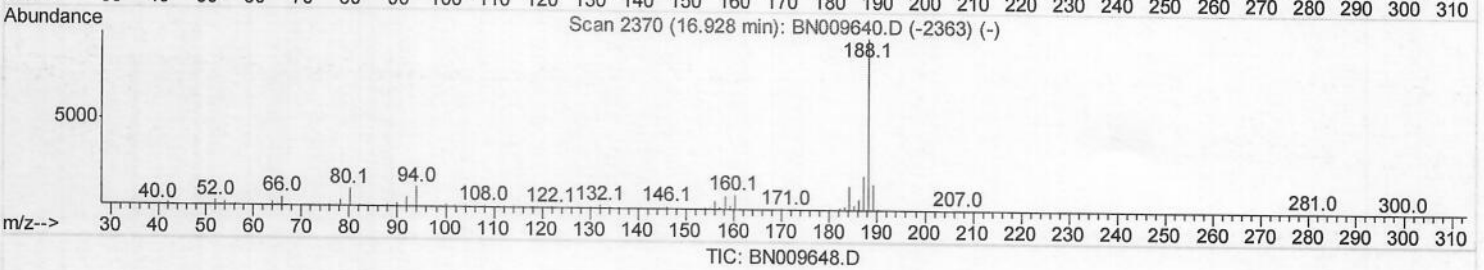
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM







TIC: BN009648.D

(70) Anthracene-d10 (S)

16.934min (+0.006) 1.94ng/ul m JY 02/13/20

response 76214

Ion	Exp%	Act%
188.00	100	100
94.00	10.60	13.48#
80.00	11.10	11.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

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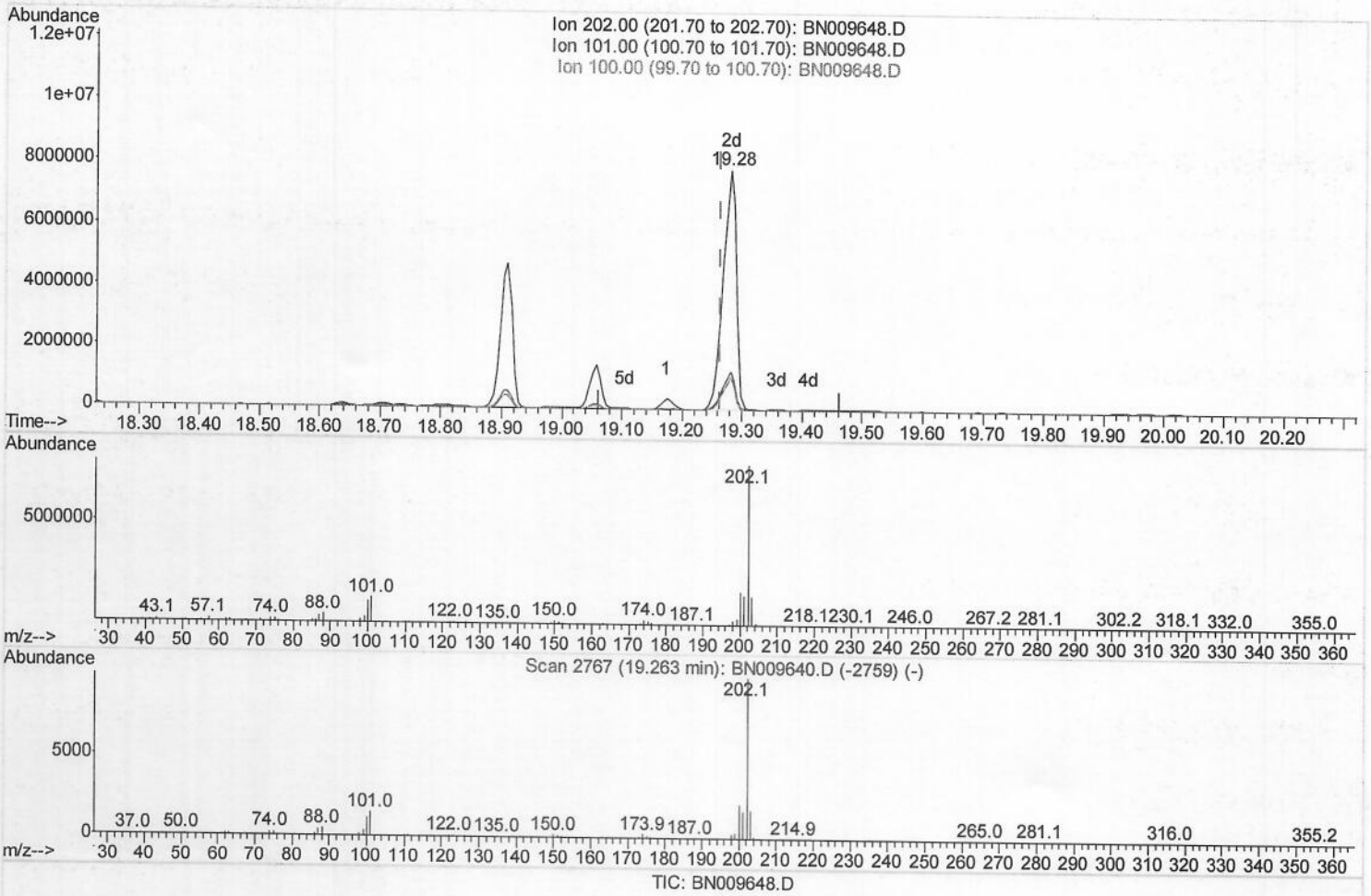
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM



TIC: BN009648.D

(79) Pyrene

19.281min (+0.018) 216.33ng/ul m JU 02/13/20

response 12202574

Ion	Exp%	Act%
202.00	100	100
101.00	12.90	16.14#
100.00	10.50	13.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

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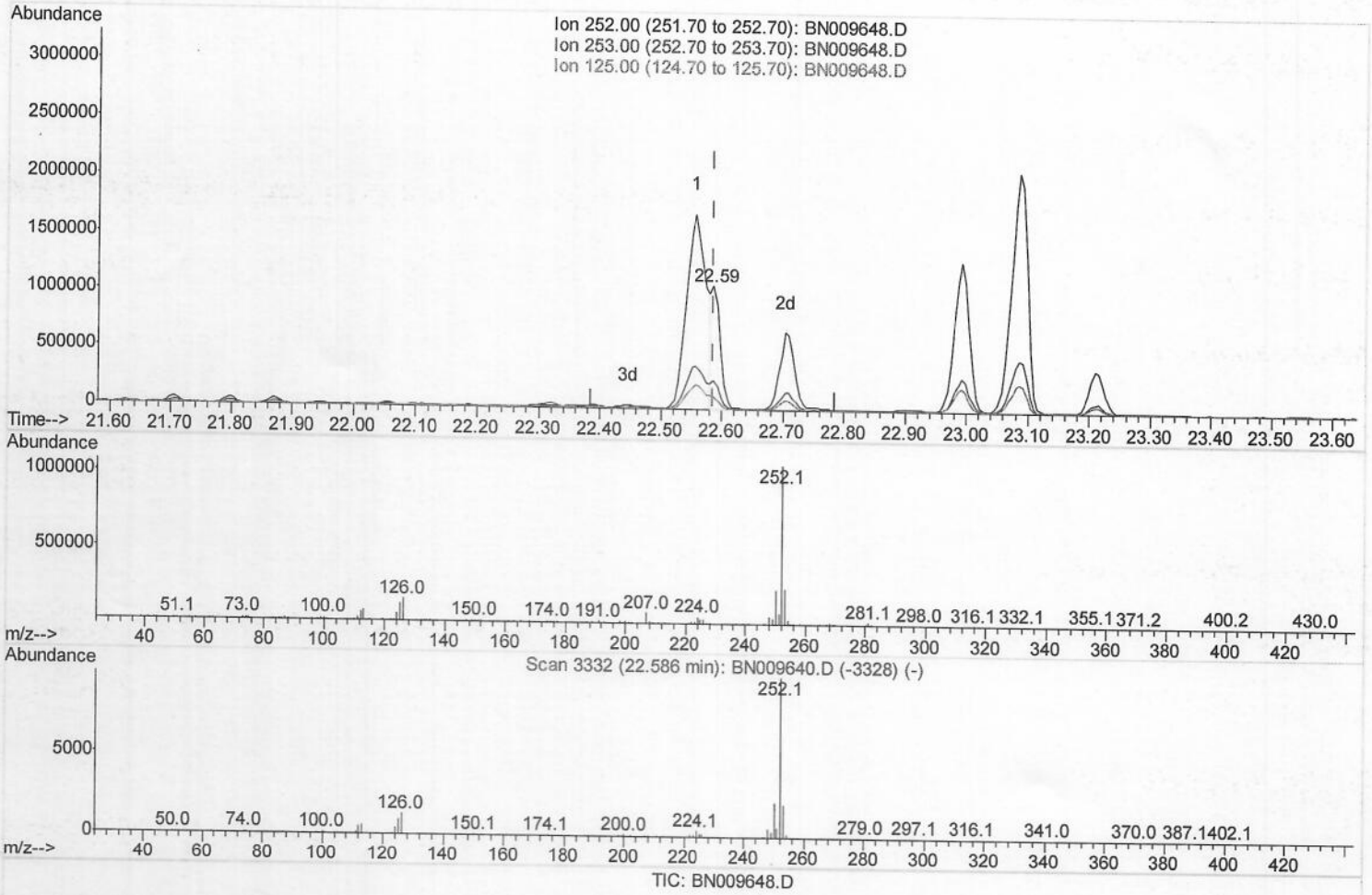
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM



TIC: BN009648.D

(88) Benzo(k)fluoranthene

22.586min (+0.000) 18.84ng/ul m JY 02/13/20

response 996883

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	22.85
125.00	10.00	11.01
0.00	0.00	0.00

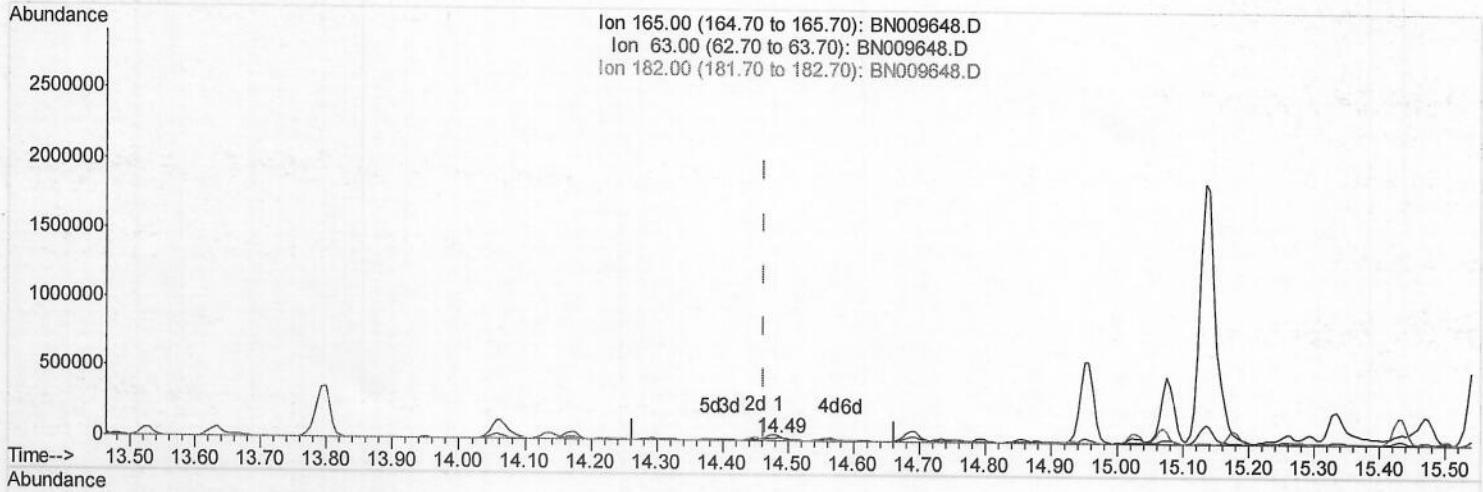
Quantitation Report (Qedit)

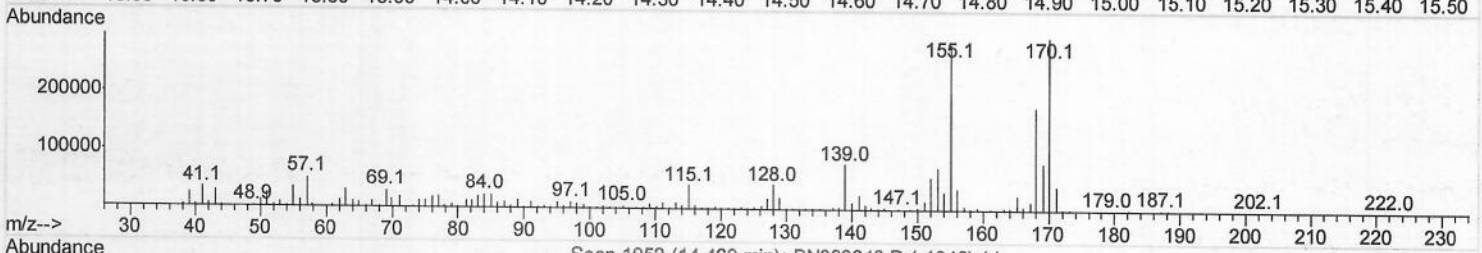
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

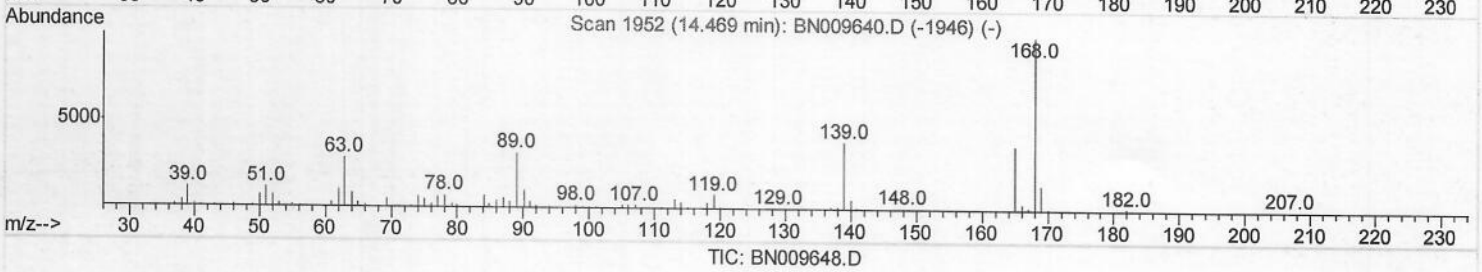
Quant Time: Feb 18 09:18:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 18 09:03:14 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM







TIC: BN009648.D

(54) 2,4-Dinitrotoluene

14.487min (+0.024) 4.24ng/ul

response 42290

Ion	Exp%	Act%
165.00	100	100
63.00	68.70	128.48#
182.00	3.00	7.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
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Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 18 09:18:04 2020
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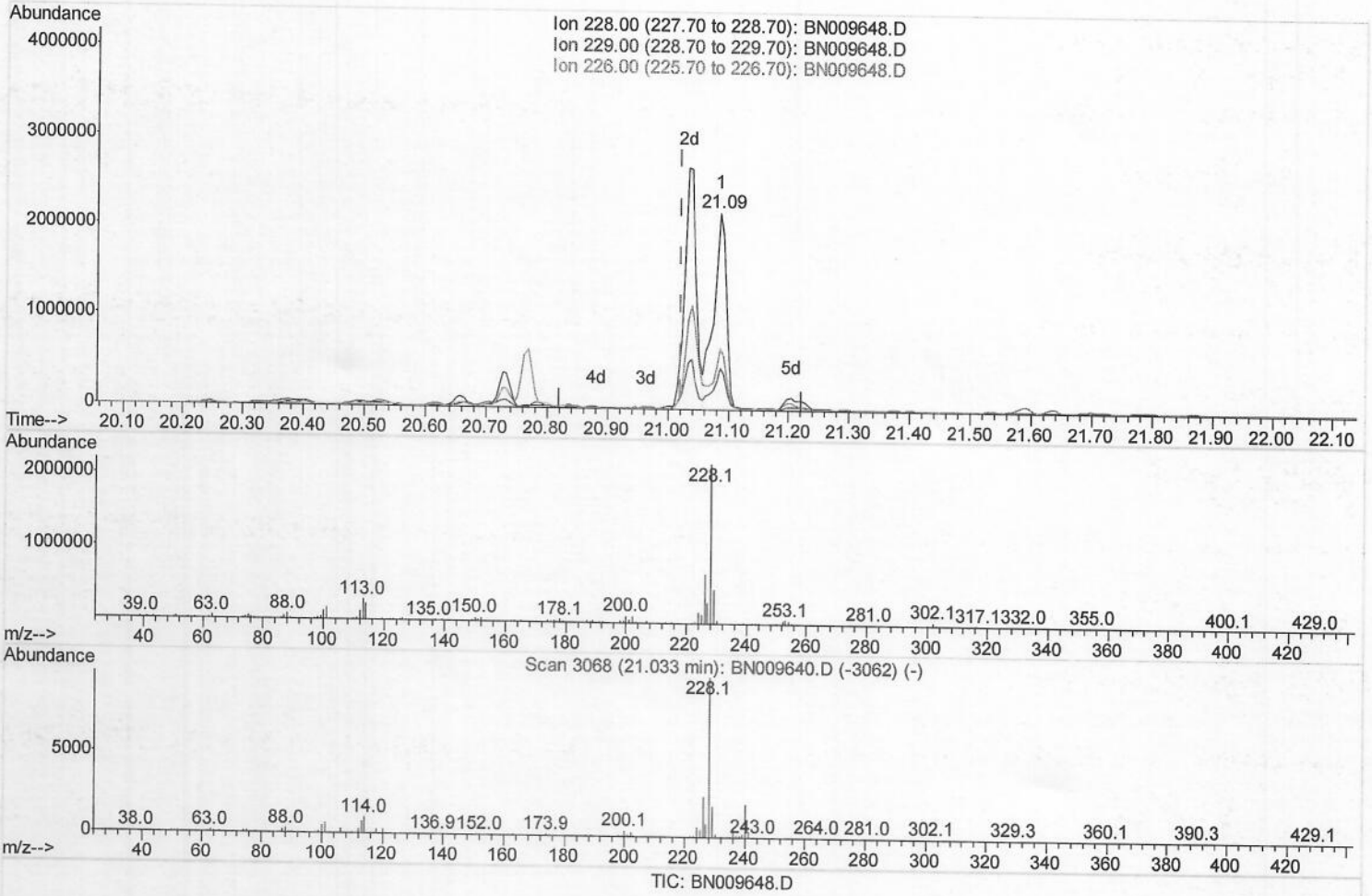
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM



TIC: BN009648.D

(82) Benzo(a)anthracene

21.086min (+0.065) 59.84ng/ul

response 3186944

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	20.95
226.00	26.10	31.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 18 09:18:04 2020
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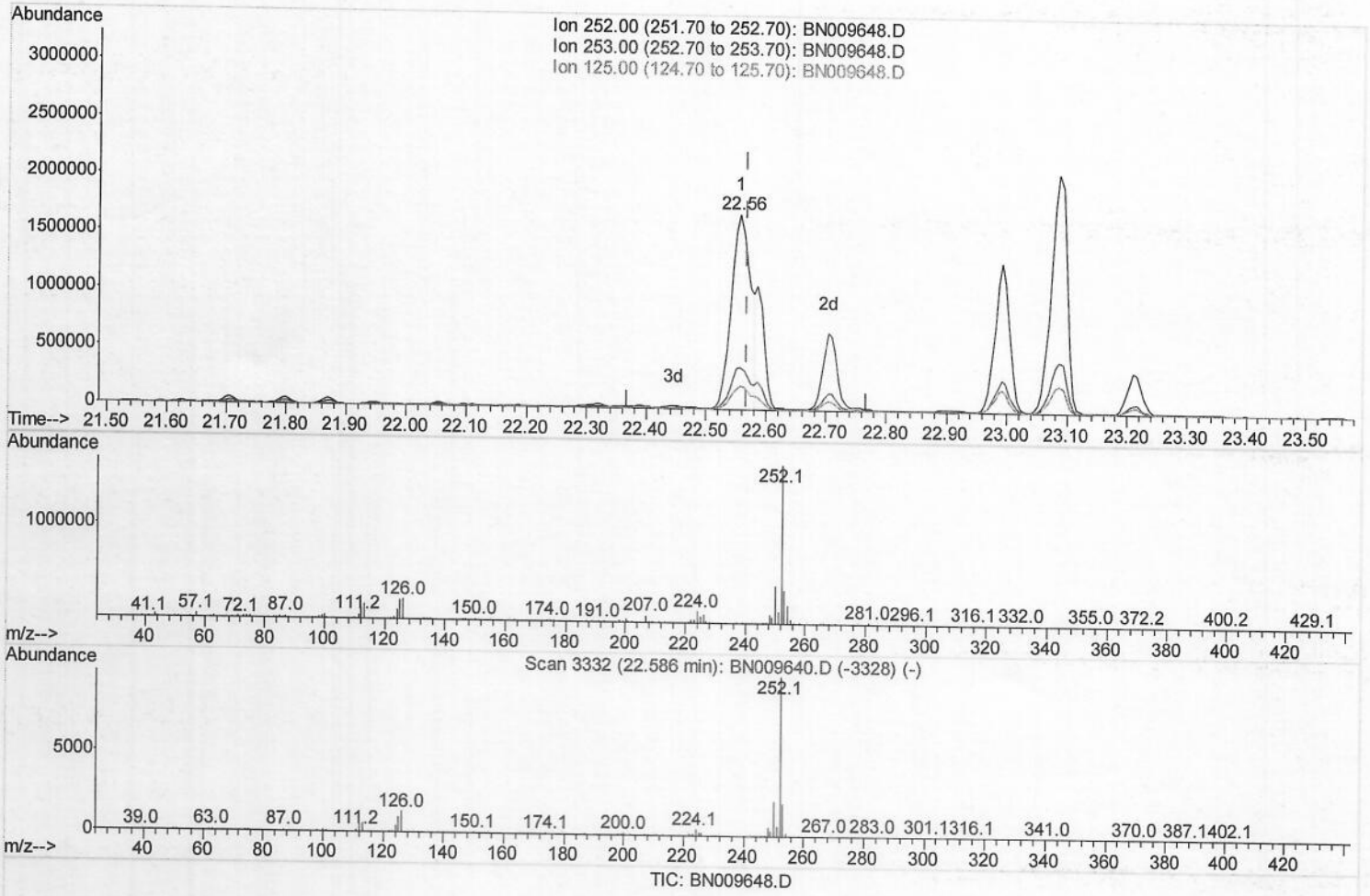
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM



TIC: BN009648.D

(88) Benzo(k)fluoranthene

22.557min (-0.012) 72.68ng/ul

response 3840243

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	21.51
125.00	10.00	12.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
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Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

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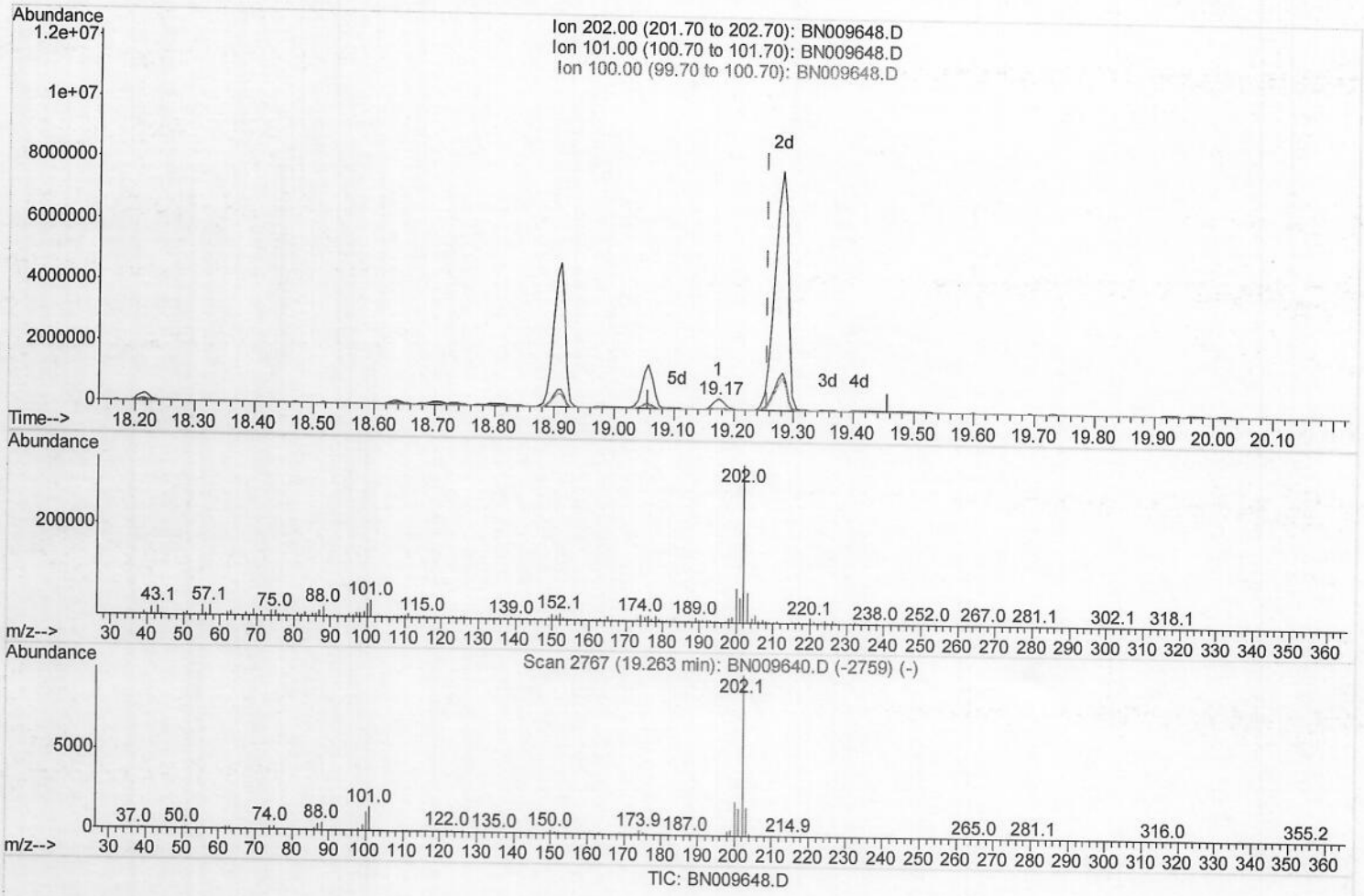
Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM



TIC: BN009648.D

(79) Pyrene

19.175min (-0.082) 8.16ng/ul

response 459546

Ion	Exp%	Act%
202.00	100	100
101.00	12.90	11.24
100.00	10.50	9.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
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Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 18 09:18:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
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BNA_N
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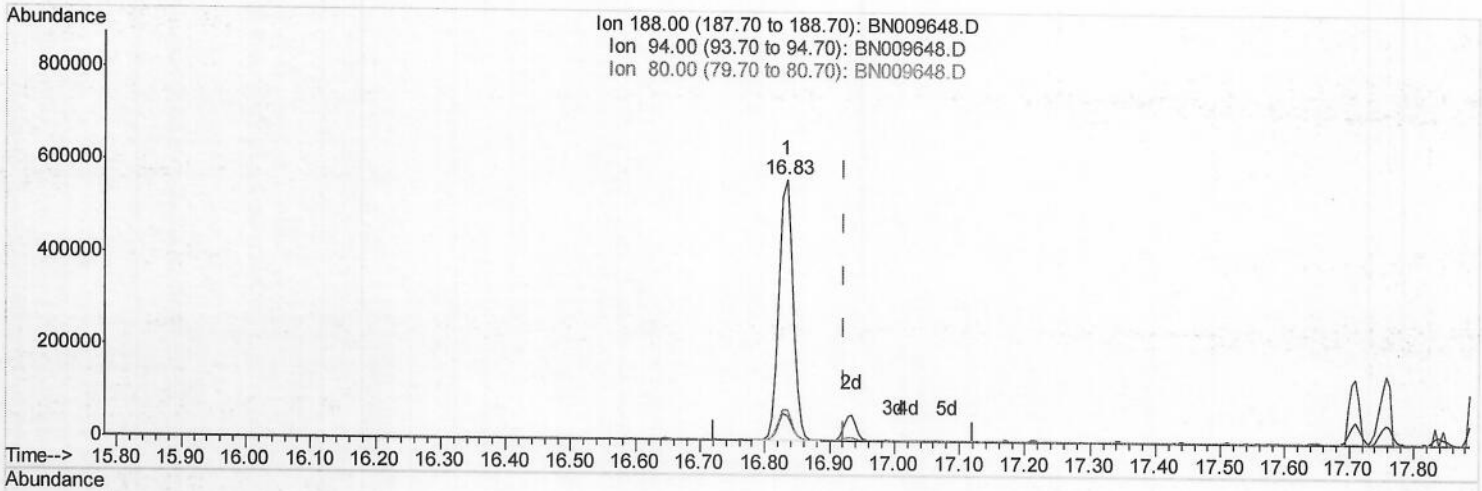
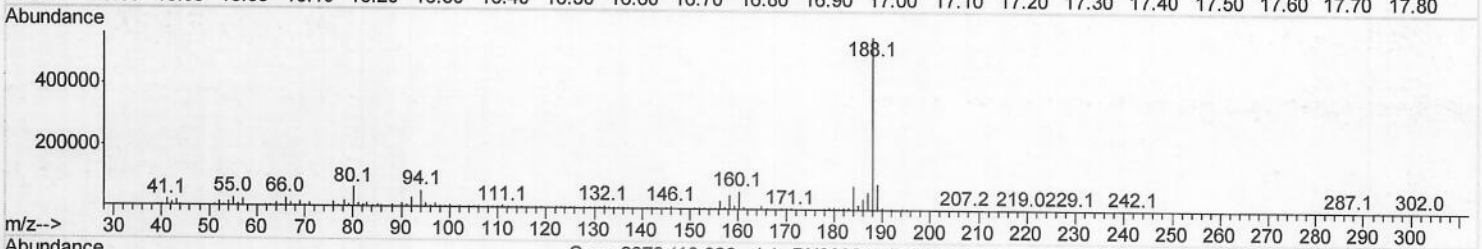
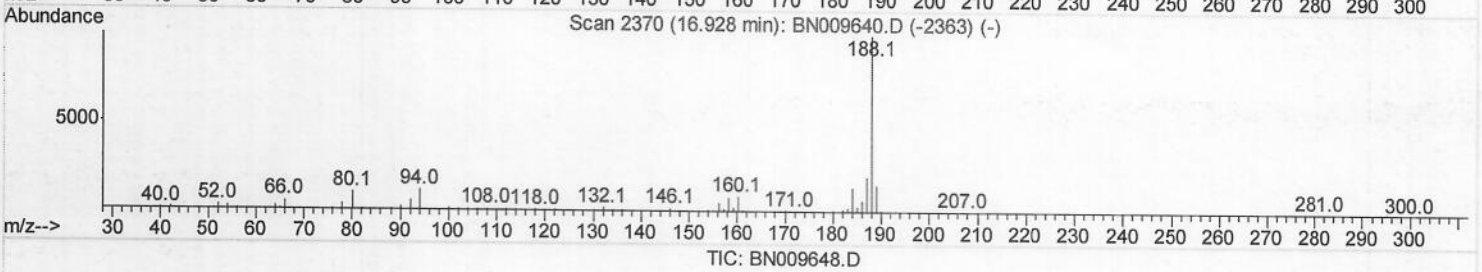
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM







TIC: BN009648.D

(70) Anthracene-d10 (S)

16.834min (-0.088) 22.01ng/ul

response 865977

Ion	Exp%	Act%
188.00	100	100
94.00	10.60	9.75
80.00	11.10	11.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
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Misc :
ALS Vial : 43 Sample Multiplier: 1

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BNA_N
ClientSampleId :
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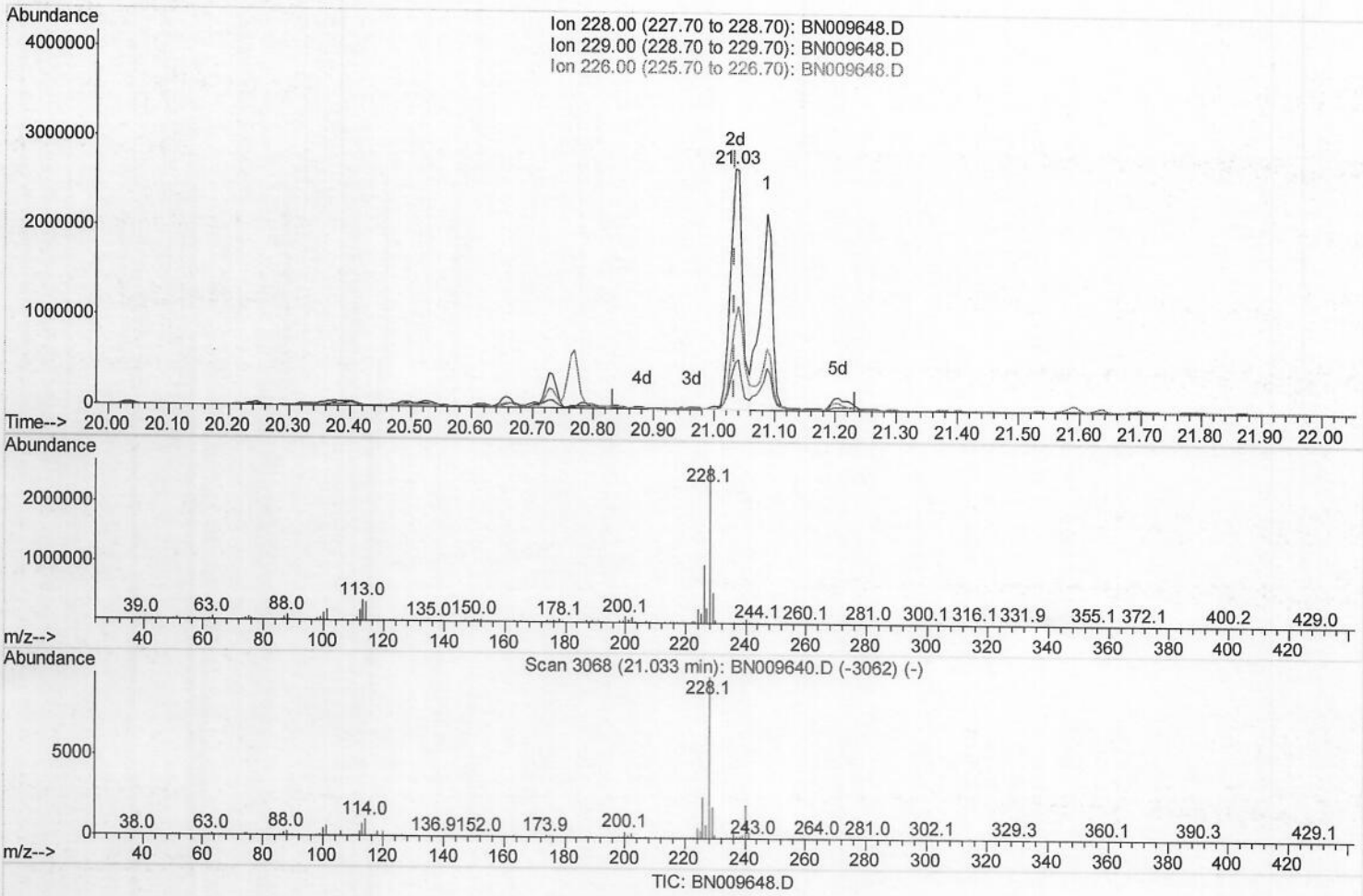
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM



TIC: BN009648.D

(82) Benzo(a)anthracene

21.033min (+0.000) 70.45ng/ul m JY 02/13/20

response 3758511

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	19.36
226.00	26.10	36.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
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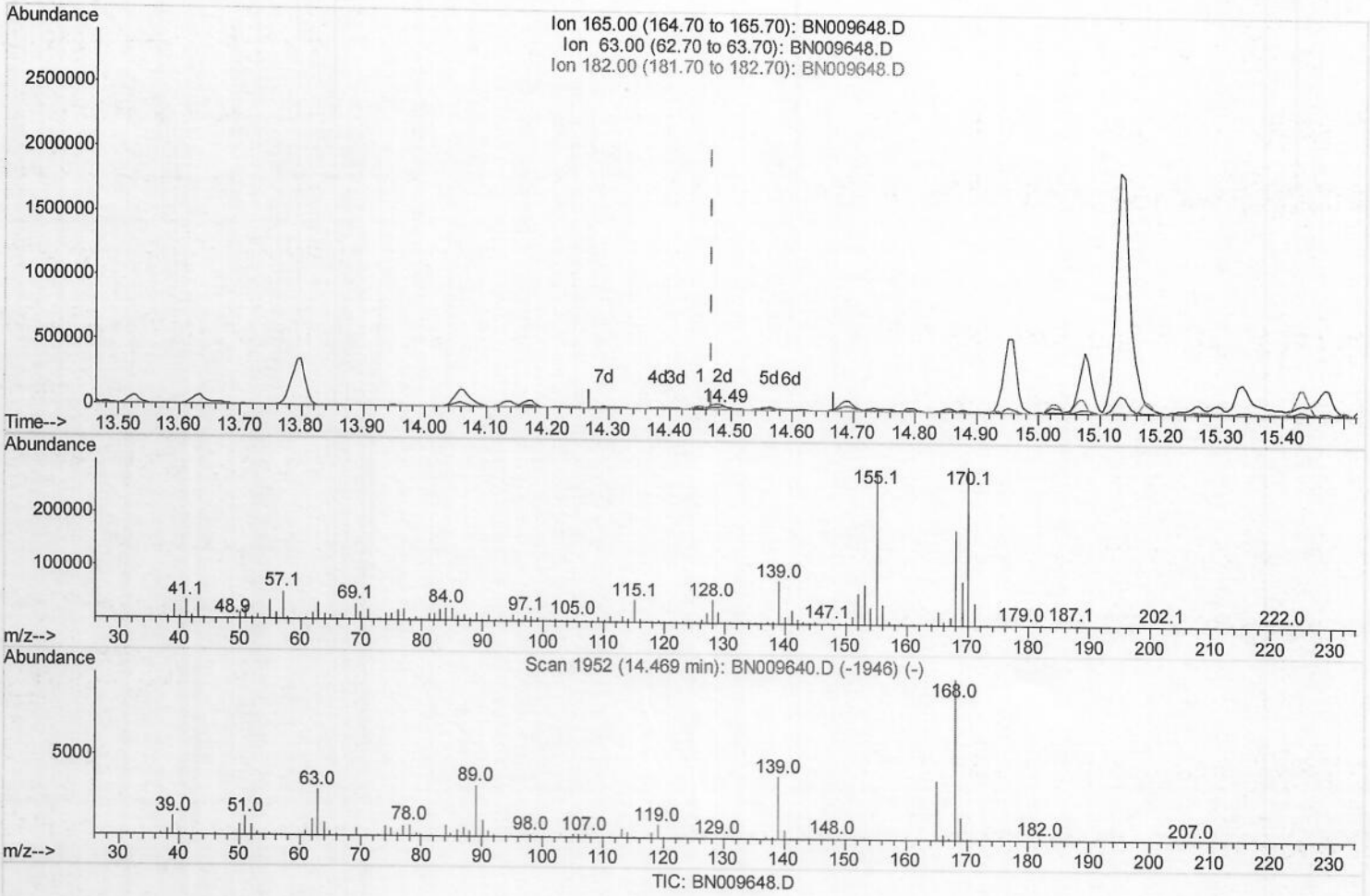
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM



(54) 2,4-Dinitrotoluene

14.487min (+0.018) 4.02ng/ul m JU 02/13/20

response 40151

Ion	Exp%	Act%
165.00	100	100
63.00	68.70	128.48#
182.00	3.00	7.34#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
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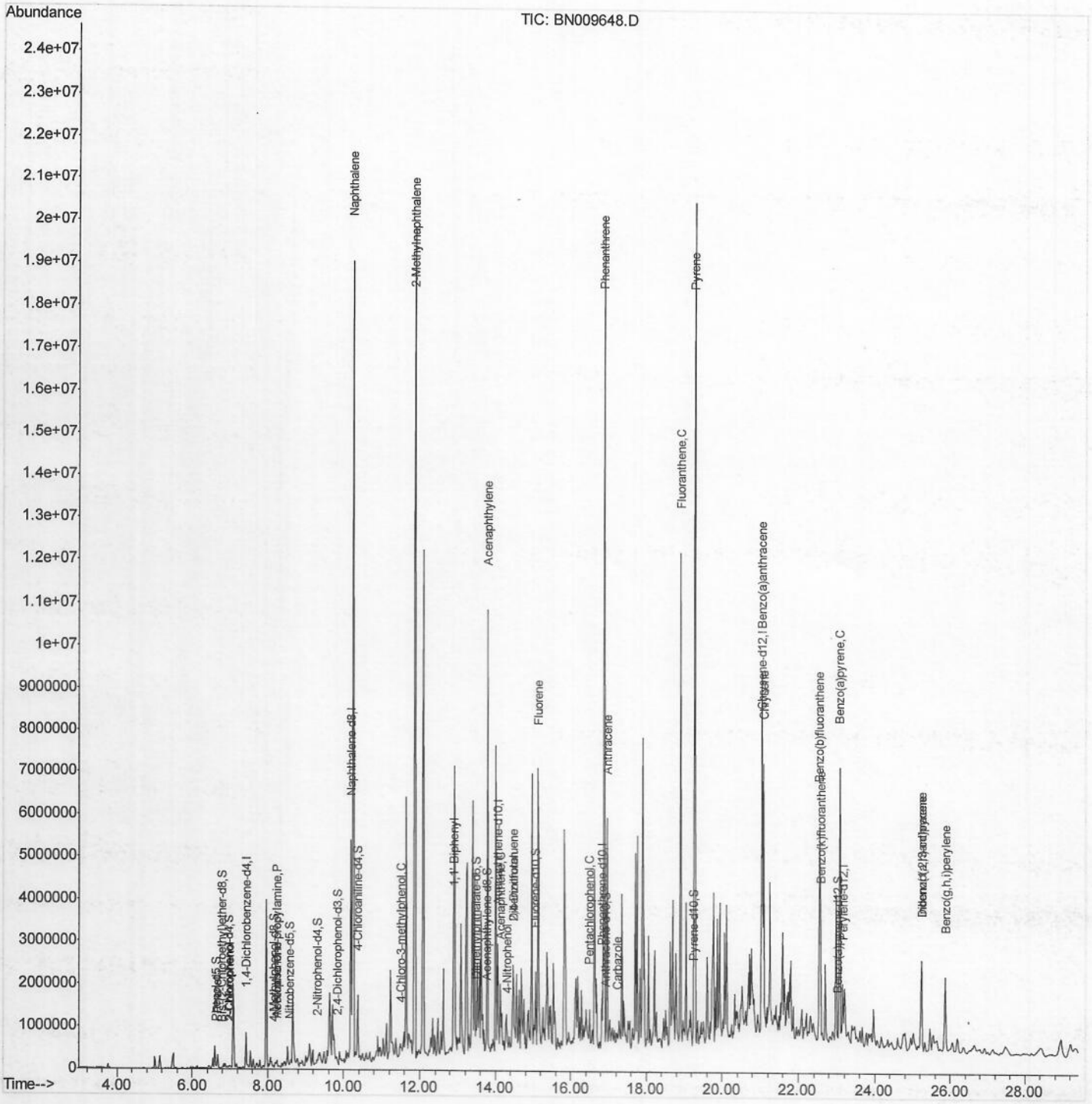
mohammad
2/11/2020 8:23:22 AM



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Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	172727	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	731707	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	450036	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	865977	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	772694	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	858578	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.09	96	439	0.10	ng/uL	0.02
5) Phenol-d5	6.63	99	22598	1.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	18672	1.85	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	18214	1.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	18615	1.55	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	10885	2.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	8776	1.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	17277	1.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	16529	1.35	ng/ul	0.03
43) Dimethylphthalate-d6	13.50	166	62080	1.89	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	67508	1.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5883	0.95	ng/ul	0.00
57) Fluorene-d10	15.07	176	51750	1.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.21	200	66	0.01	ng/ul	-0.01
70) Anthracene-d10	16.93	188	76214m	1.94	ng/ul	0.00
78) Pyrene-d10	19.24	212	79084	1.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.04	264	77099	1.82	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	6.66	94	27439	1.704	ng/ul#	90
10) 2-Chlorophenol	7.01	128	19931	1.732	ng/ul#	92
14) Acetophenone	8.22	105	32392	1.687	ng/ul#	34
15) N-Nitroso-di-n-propylamine	8.24	70	17231	1.695	ng/ul#	96
28) Naphthalene	10.25	128	15168505	382.272	ng/ul	98
33) 4-Chloro-3-methylphenol	11.50	107	21662	1.609	ng/ul#	1
34) 2-Methylnaphthalene	11.88	142	10108399	364.024	ng/ul	97
40) 1,1'-Biphenyl	12.89	154	1095319	31.260	ng/ul	99
47) Acenaphthylene	13.80	152	6079778	139.956	ng/ul	98
49) Acenaphthene	14.13	153	517121	17.511	ng/ul	99
52) 4-Nitrophenol	14.33	109	9270	1.670	ng/ul#	40
53) Dibenzofuran	14.47	168	498592	12.124	ng/ul	93
54) 2,4-Dinitrotoluene	14.49	165	40151m	4.021	ng/ul	
58) Fluorene	15.13	166	3004679	87.426	ng/ul	98
68) Pentachlorophenol	16.50	266	7462	1.322	ng/ul	90
69) Phenanthrene	16.89	178	11912204	241.207	ng/ul	97
71) Anthracene	16.97	178	3096993	61.804	ng/ul	99
74) Carbazole	17.24	167	77654	1.780	ng/ul#	81
76) Fluoranthene	18.91	202	6420716	113.913	ng/ul	98
79) Pyrene	19.28	202	12202574m	216.332	ng/ul	
82) Benzo(a)anthracene	21.03	228	3758511m	70.450	ng/ul	
84) Chrysene	21.09	228	3186944	60.004	ng/ul	97
87) Benzo(b)fluoranthene	22.56	252	3840243	71.490	ng/ul#	98