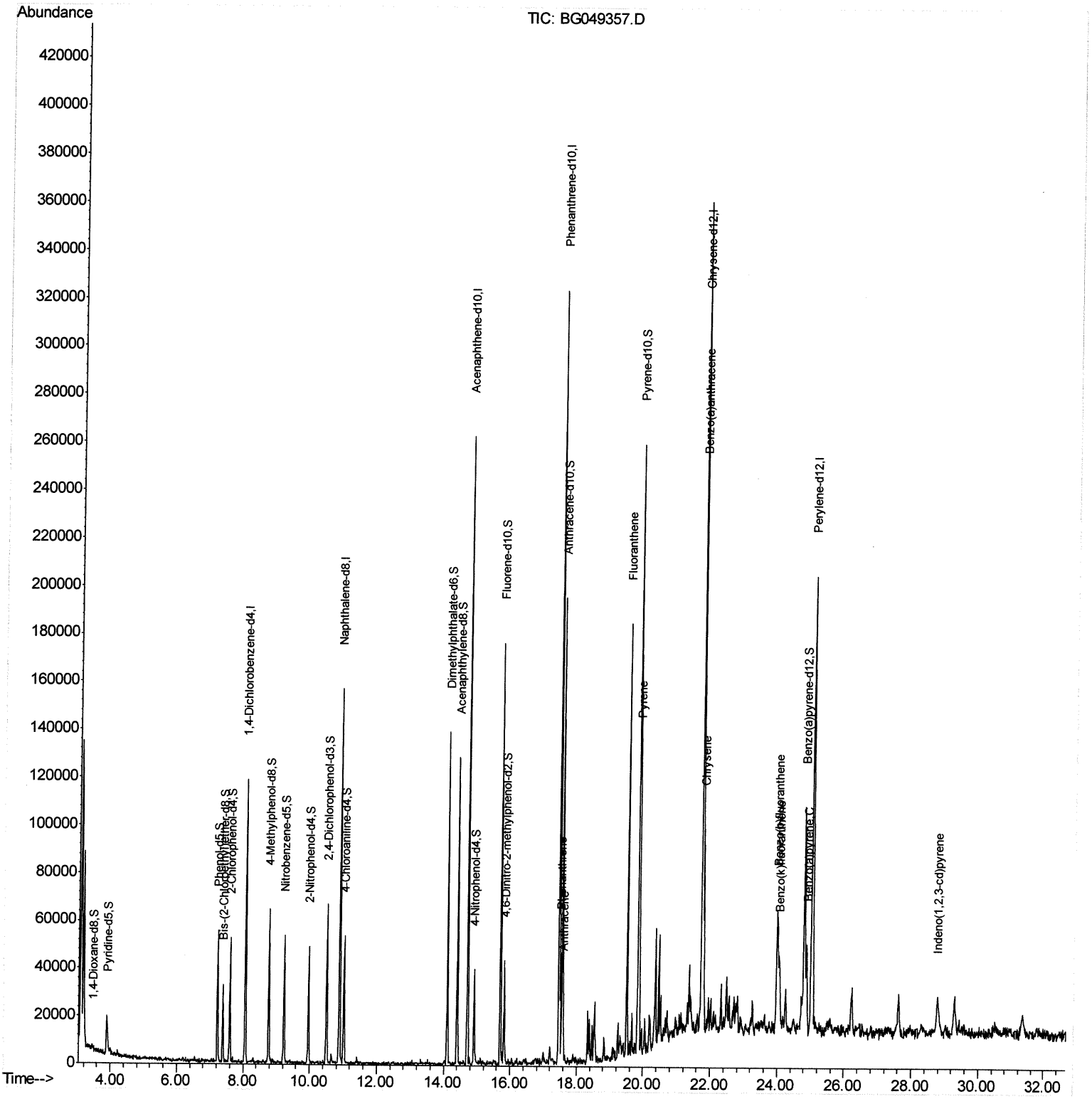
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 15 11:57:31 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

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
mohammad
7/16/2021 10:54:00 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 15 11:52:43 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

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
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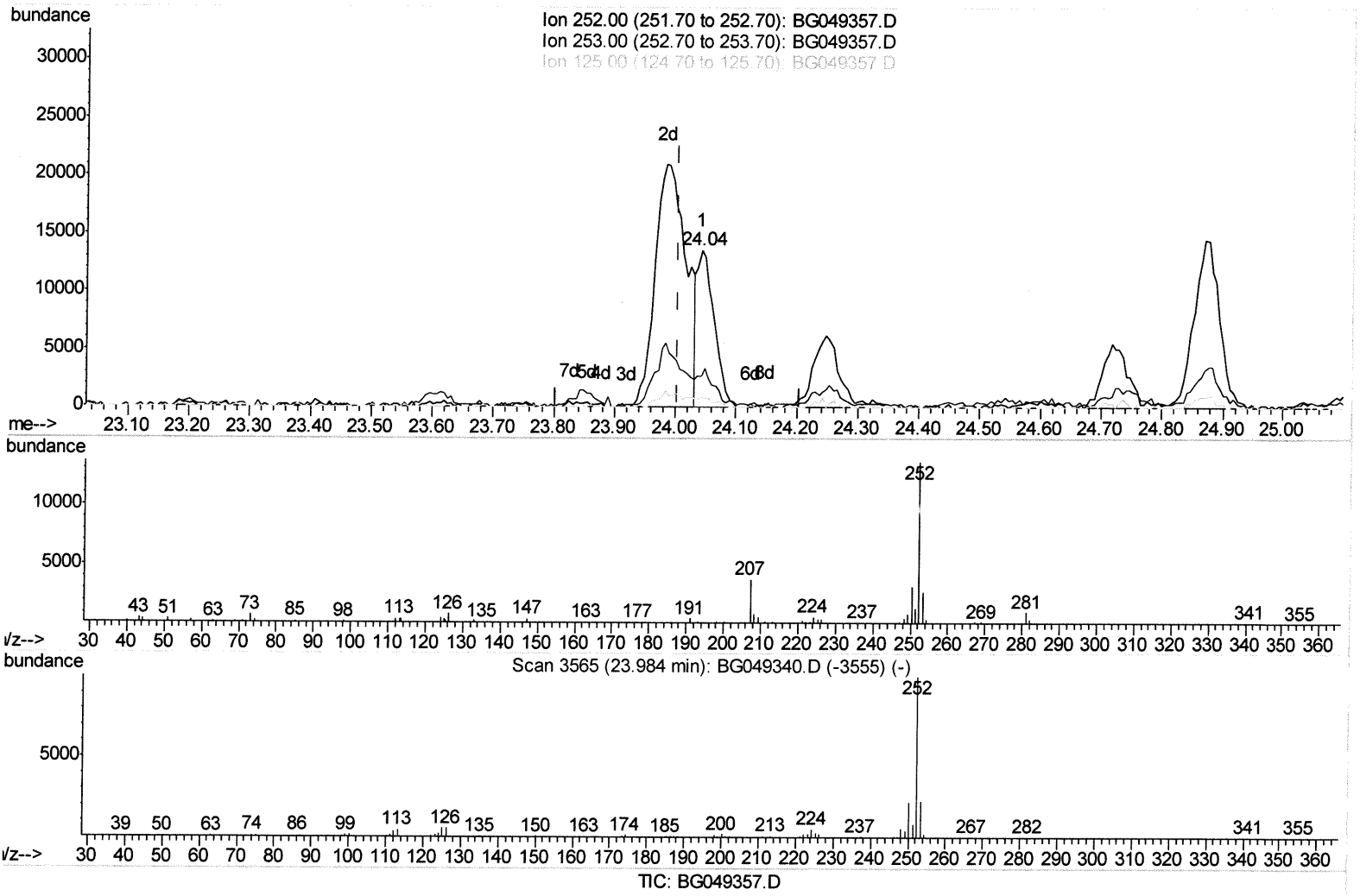


(90) Benzo(b)fluoranthene

24.042min (+0.038) 2.01ng/ul

response 25900

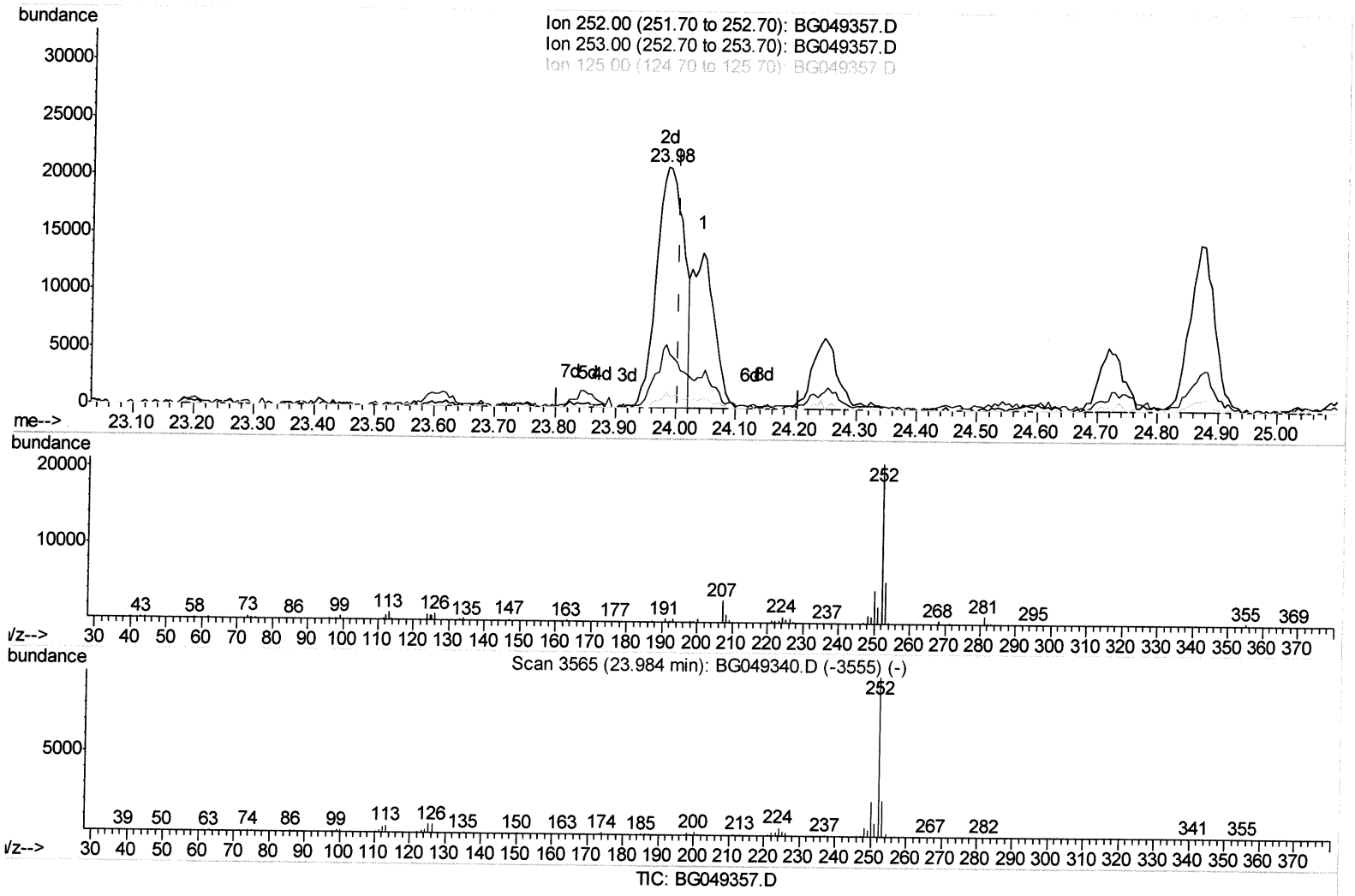
Ion	Exp%	Act%
252.00	100	100
253.00	22.00	19.80
125.00	6.00	6.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 15 11:52:43 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

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
mohammad
7/16/2021 10:54:00 AM



(90) Benzo(b)fluoranthene

23.984min (-0.021) 5.13ng/ul m JU 7/16/21

response 65974

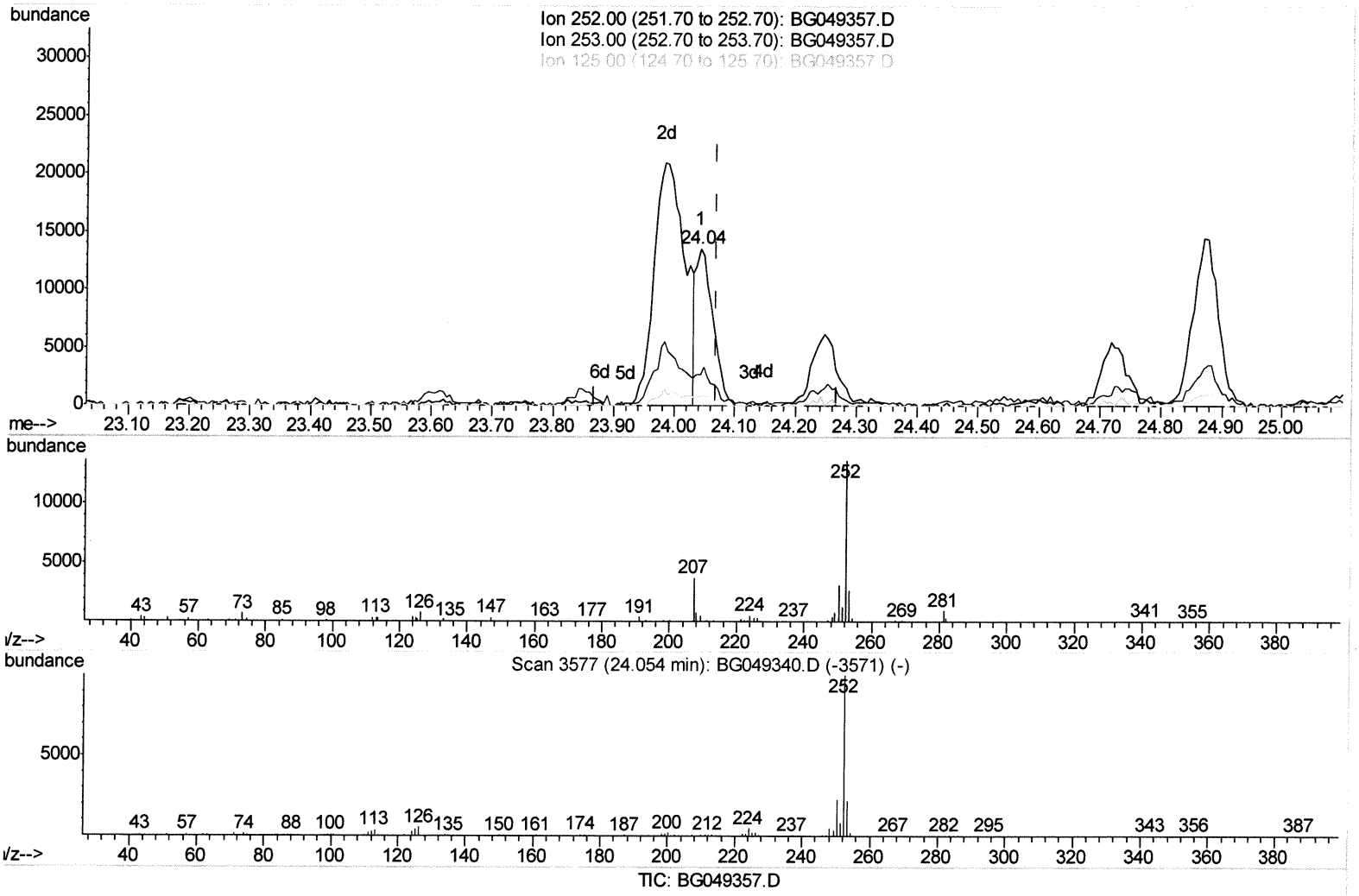
Ion	Exp%	Act%
252.00	100	100
253.00	22.00	26.42#
125.00	6.00	3.58#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 15 11:52:43 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

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
mohammad
7/16/2021 10:54:00 AM



TIC: BG049357.D

(91) Benzo(k)fluoranthene

24.042min (-0.027) 2.07ng/ul

response 25900

Ion	Exp%	Act%
252.00	100	100
253.00	20.20	19.80
125.00	4.60	6.22#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 15 11:52:43 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

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
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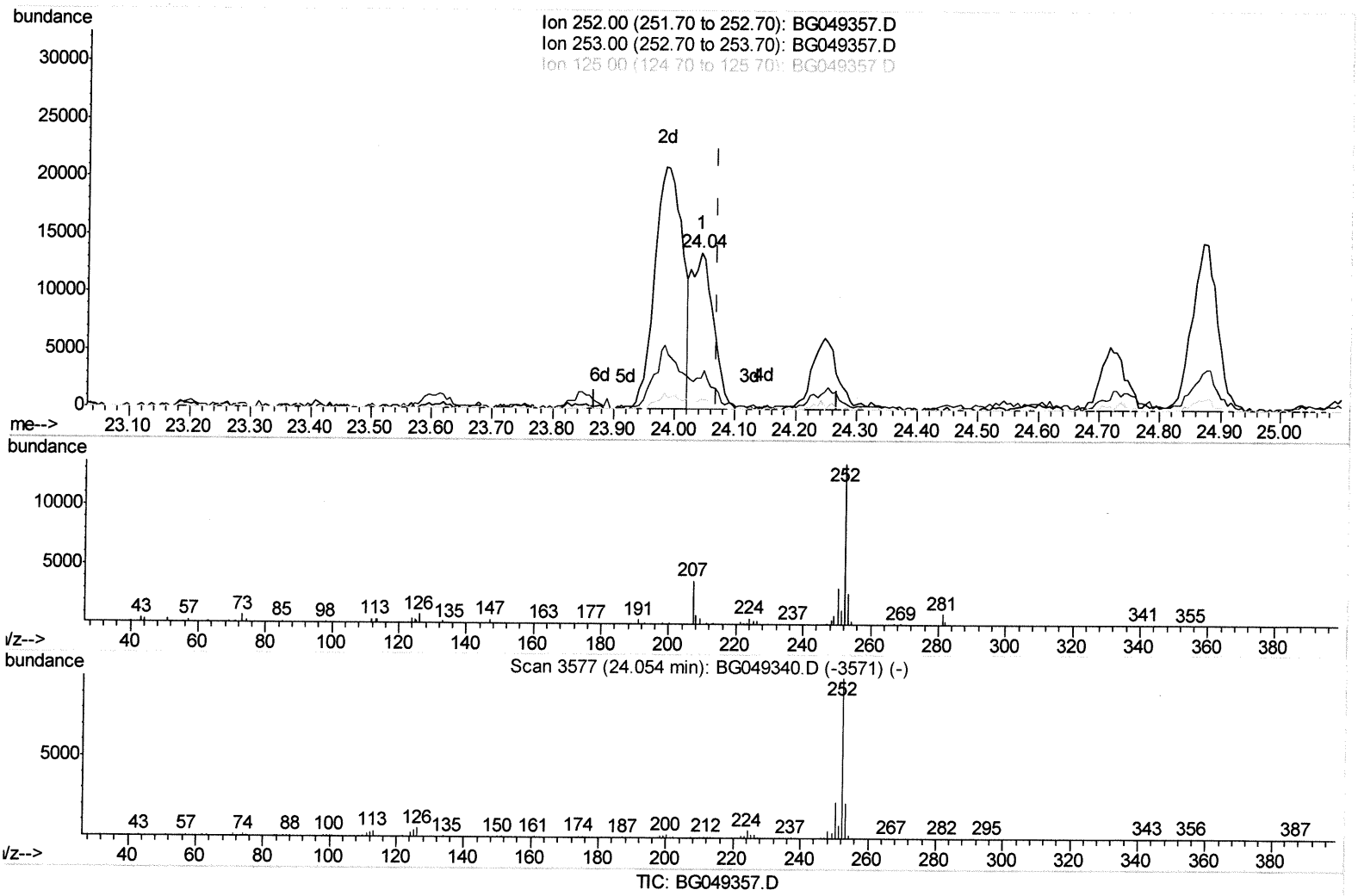


TIC: BG049357.D

(91) Benzo(k)fluoranthene

24.042min (-0.027) 2.73ng/ul m JU 7/16/21

response 34201

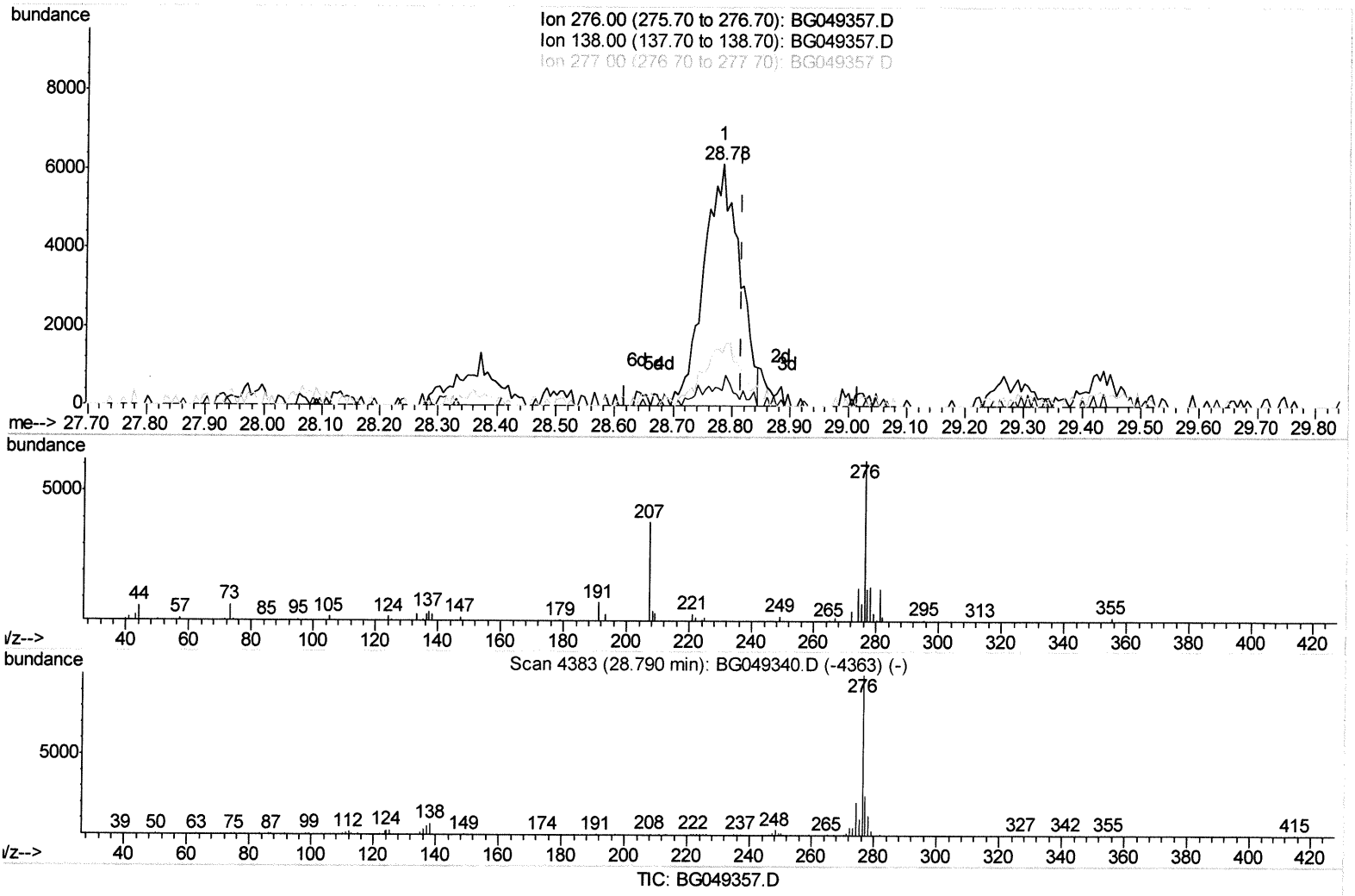
Ion	Exp%	Act%
252.00	100	100
253.00	20.20	19.80
125.00	4.60	3.44#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 15 11:56:21 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

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
mohammad
7/16/2021 10:54:00 AM



TIC: BG049357.D

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

28.784min (-0.033) 1.80ng/ul

response 26316

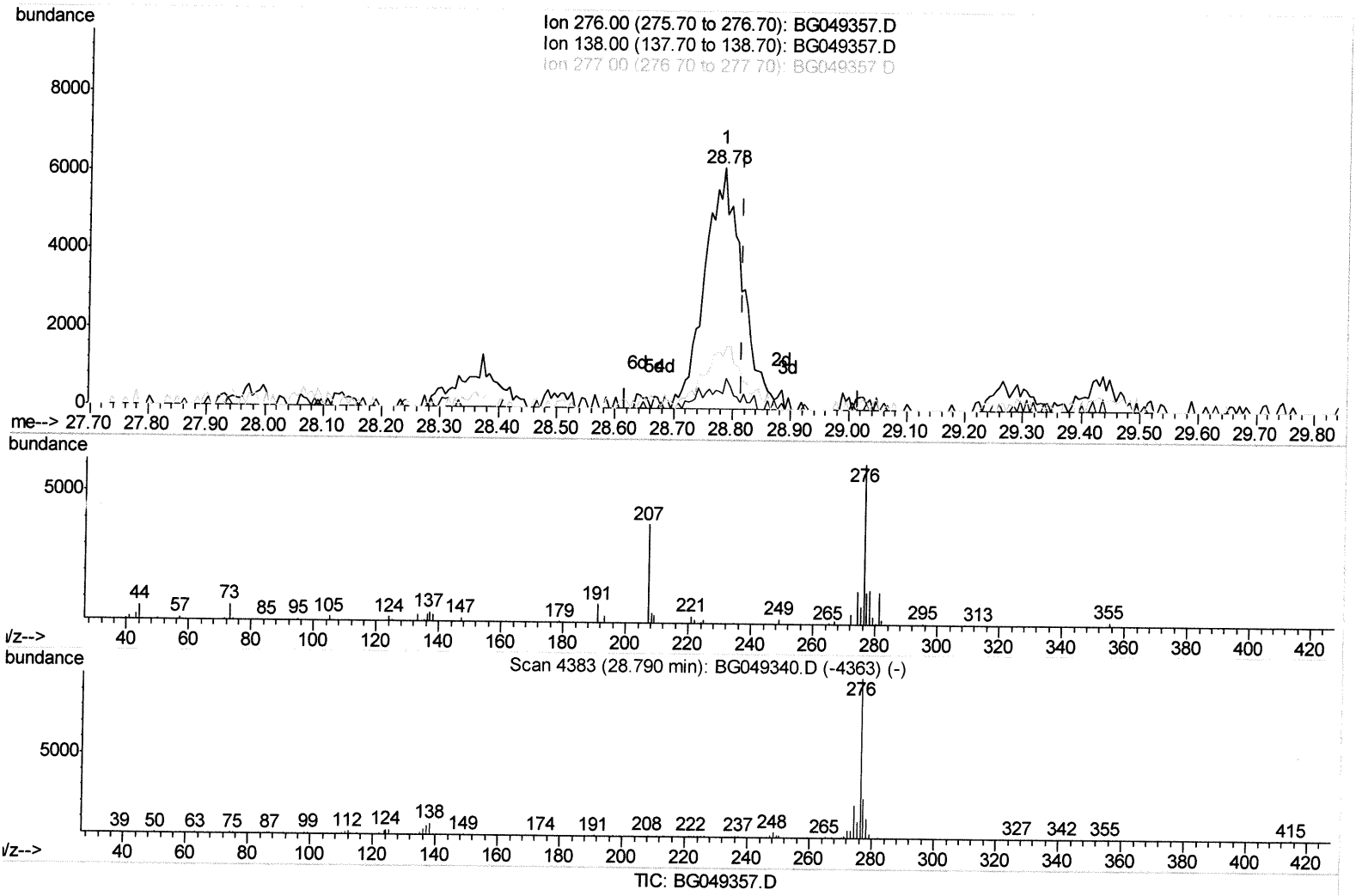
Ion	Exp%	Act%
276.00	100	100
138.00	10.00	6.52#
277.00	22.10	21.78
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jul 15 11:56:21 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

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
mohammad
7/16/2021 10:54:00 AM



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

28.784min (-0.033) 1.89ng/ul m JU 7/16/21

response 27589

Ion	Exp%	Act%
276.00	100	100
138.00	10.00	6.52#
277.00	22.10	21.78
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071421\
Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
Operator : CG/JU
Sample : M2971-16
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BGEA2

Manual Integrations APPROVED
mohammad
7/16/2021 10:54:00 AM

Quant Time: Jul 15 11:57:31 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	30239	20.00	ng/ul	-0.01
20) Naphthalene-d8	10.89	136	128200	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.71	164	95233	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.46	188	204243	20.00	ng/ul	0.00
79) Chrysene-d12	21.75	240	202146	20.00	ng/ul	0.00
88) Perylene-d12	25.03	264	208391	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	1280	1.99	ng/uL	0.00
4) Pyridine-d5	3.88	84	7420	3.93	ng/ul	0.00
7) Phenol-d5	7.22	99	27656	10.51	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.38	67	16649	10.91	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.60	132	21573	11.10	ng/ul	0.00
15) 4-Methylphenol-d8	8.77	113	22699	10.77	ng/ul	-0.01
21) Nitrobenzene-d5	9.23	128	11007	11.19	ng/ul	0.00
24) 2-Nitrophenol-d4	9.96	143	12564	11.13	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.50	165	23204	10.53	ng/ul	-0.01
31) 4-Chloroaniline-d4	11.02	131	25412	8.85	ng/ul	0.00
46) Dimethylphthalate-d6	14.11	166	85462	11.67	ng/ul	0.00
49) Acenaphthylene-d8	14.40	160	92547	10.77	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.91	143	9598	7.92	ng/ul	0.00
60) Fluorene-d10	15.71	176	70510	11.37	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.82	200	10120	7.80	ng/ul	0.00
73) Anthracene-d10	17.56	188	118473	12.74	ng/ul	-0.01
81) Pyrene-d10	19.84	212	133835	12.92	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.80	264	109617	10.12	ng/ul	-0.02
Target Compounds						Qvalue
72) Phenanthrene	17.50	178	28599	2.871	ng/ul	97
74) Anthracene	17.59	178	17690	1.738	ng/ul	96
80) Fluoranthene	19.51	202	112196	9.311	ng/ul	97
82) Pyrene	19.87	202	79164	6.594	ng/ul#	95
85) Benzo(a)anthracene	21.72	228	76519	6.160	ng/ul	96
87) Chrysene	21.79	228	57476	4.891	ng/ul	98
90) Benzo(b)fluoranthene	23.98	252	65974m	5.132	ng/ul	
91) Benzo(k)fluoranthene	24.04	252	34201m	2.728	ng/ul	
93) Benzo(a)pyrene	24.87	252	39728	3.512	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.78	276	27589m	1.890	ng/ul	

JU 7/16/21

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