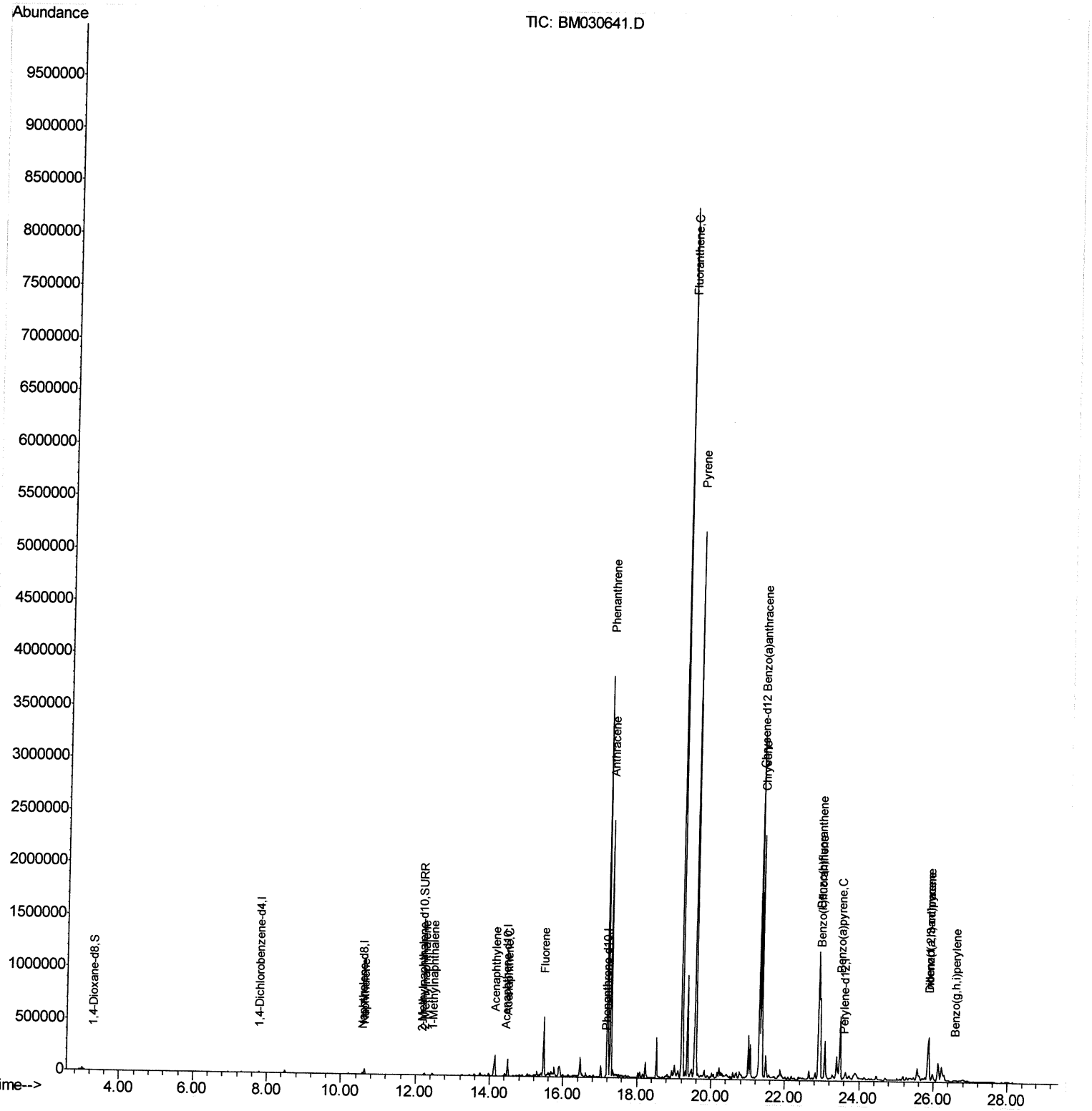
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 27 03:51:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF3DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:23:05 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 27 02:41:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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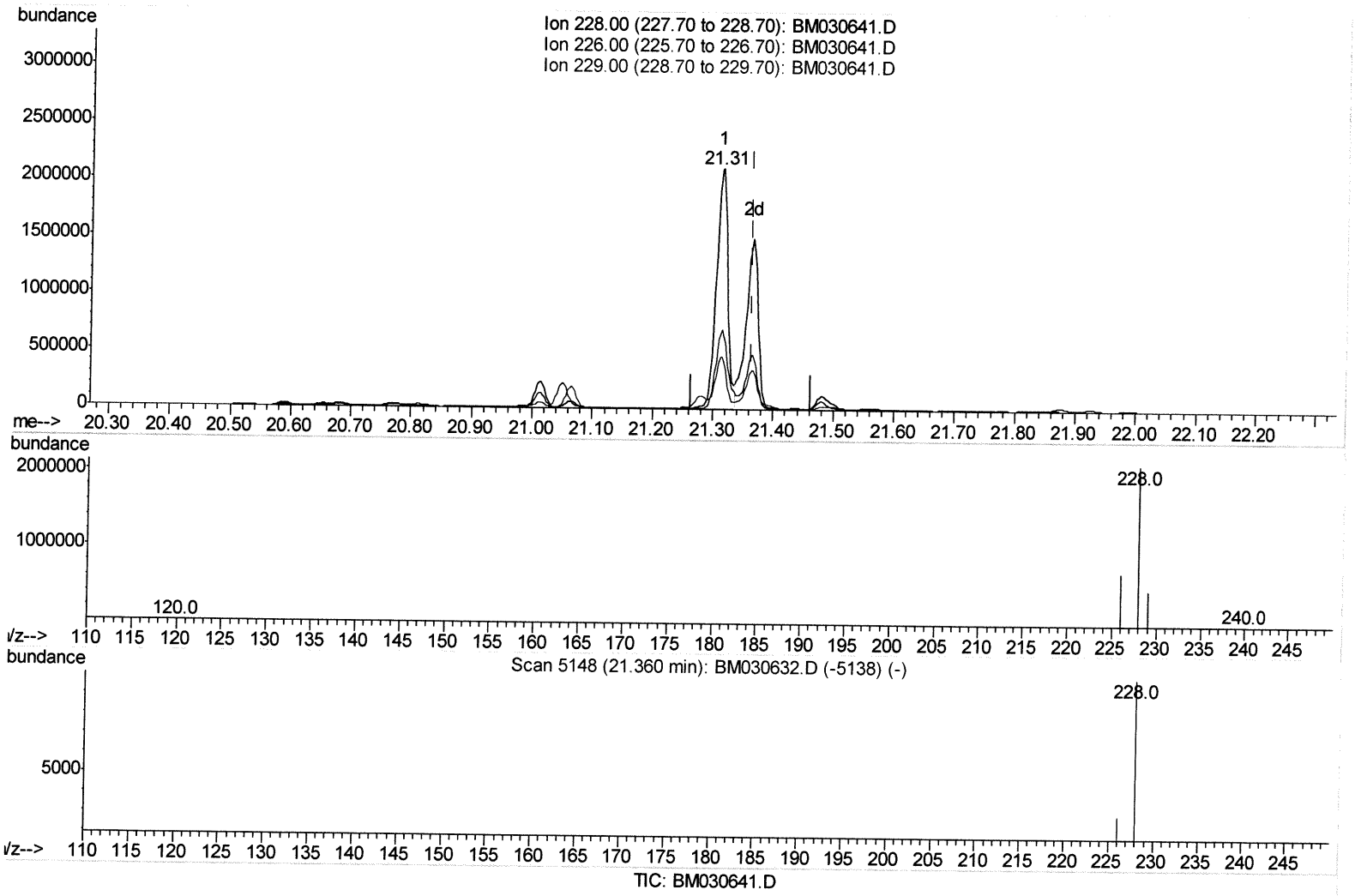

TIC: BM030641.D

(22) Chrysene

21.314min (-0.050) 28.64ng/ul

response 2735211

Ion	Exp%	Act%
228.00	100	100
226.00	30.50	33.11
229.00	19.20	21.92
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 27 02:41:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
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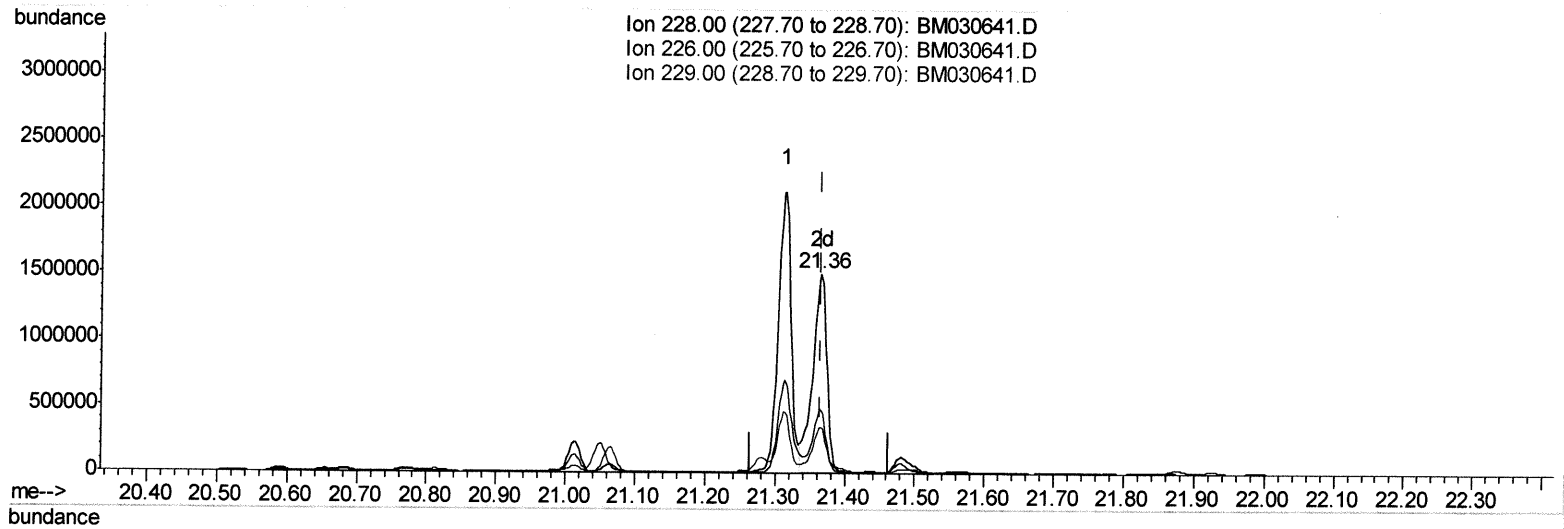
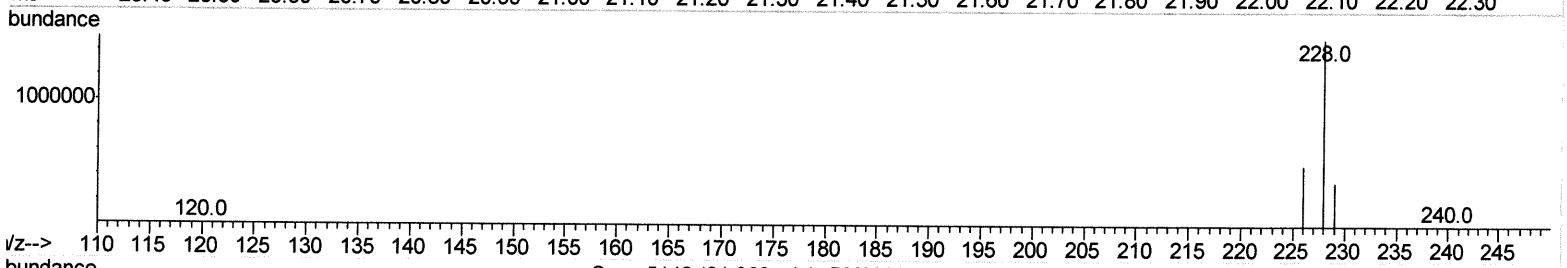
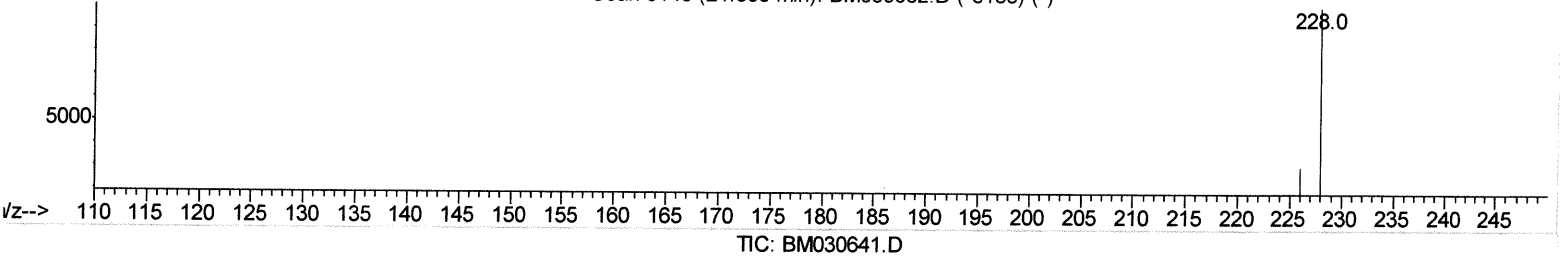
Manual Integrations APPROVED
mohammad
6/28/2021 1:23:05 PM





Scan 5148 (21.360 min): BM030632.D (-5138) (-)



TIC: BM030641.D

(22) Chrysene

21.365min (+0.001) 22.10ng/ul m JU 6/30/21

response 2110653

Ion	Exp%	Act%
228.00	100	100
226.00	30.50	32.31
229.00	19.20	23.36#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 27 03:48:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF3DL

Manual Integrations APPROVED
mohammad
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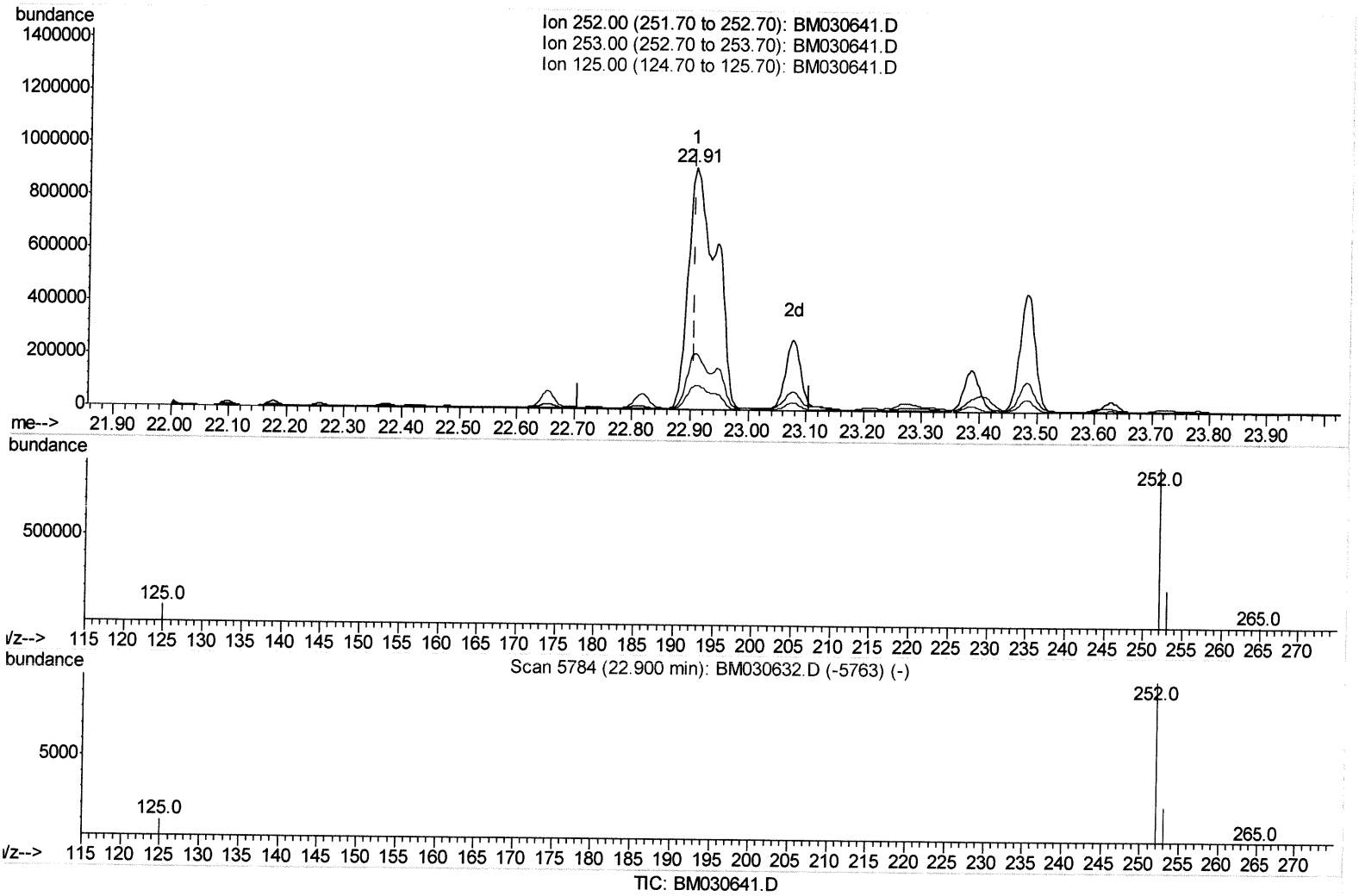

(24) Benzo(b)fluoranthene

22.907min (+0.001) 33.02ng/ul

response 3026341

Ion	Exp%	Act%
252.00	100	100
253.00	25.10	23.32
125.00	13.90	10.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 27 03:48:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF3DL

Manual Integrations APPROVED
mohammad
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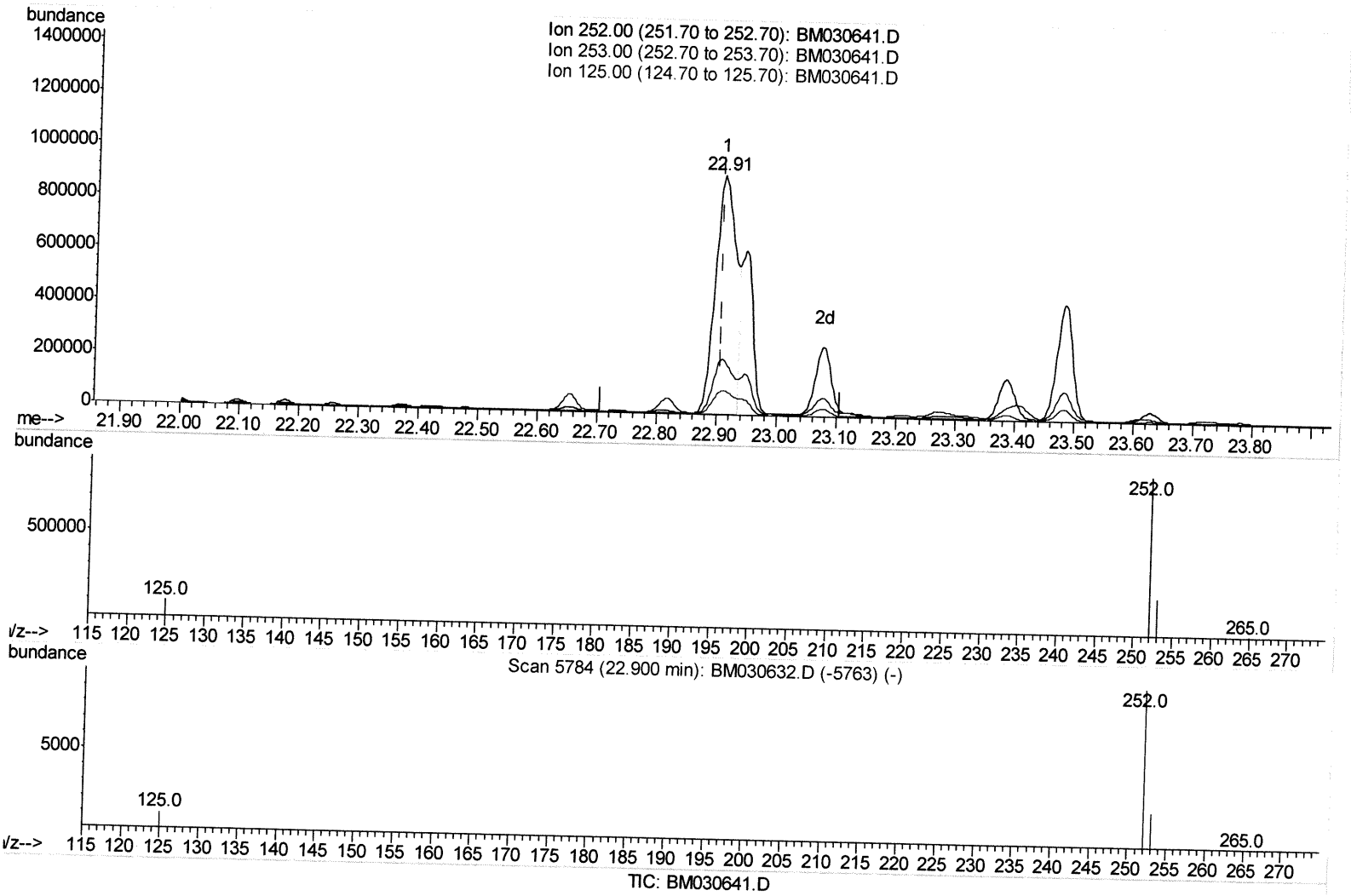


(24) Benzo(b)fluoranthene

22.907min (+0.001) 22.96ng/ul m

response 2104021

JU 6/30/21

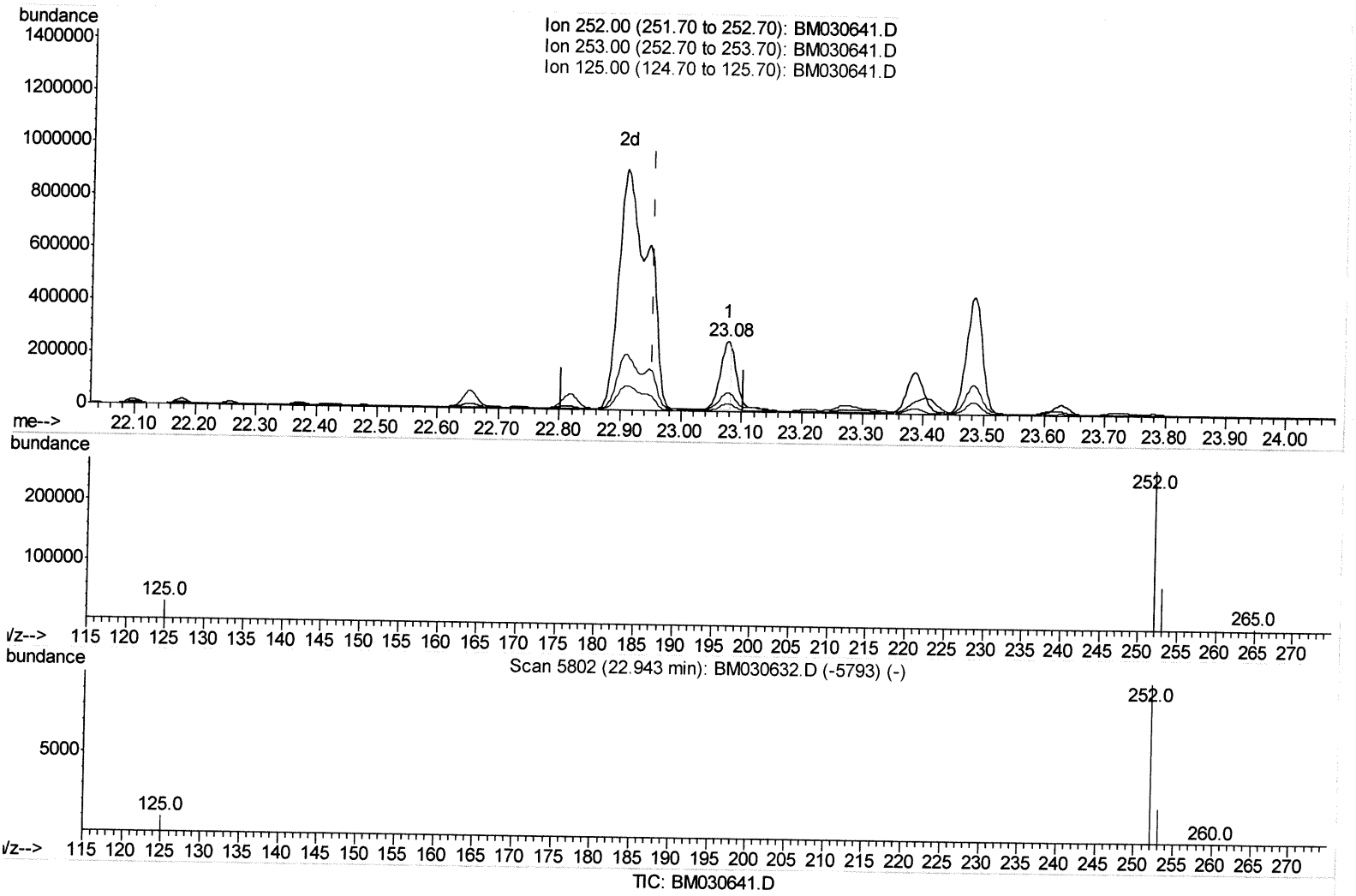
Ion	Exp%	Act%
252.00	100	100
253.00	25.10	23.32
125.00	13.90	10.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 27 03:49:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF3DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:23:05 PM



(25) Benzo(k)fluoranthene

23.077min (+0.124) 3.45ng/ul

response 331241

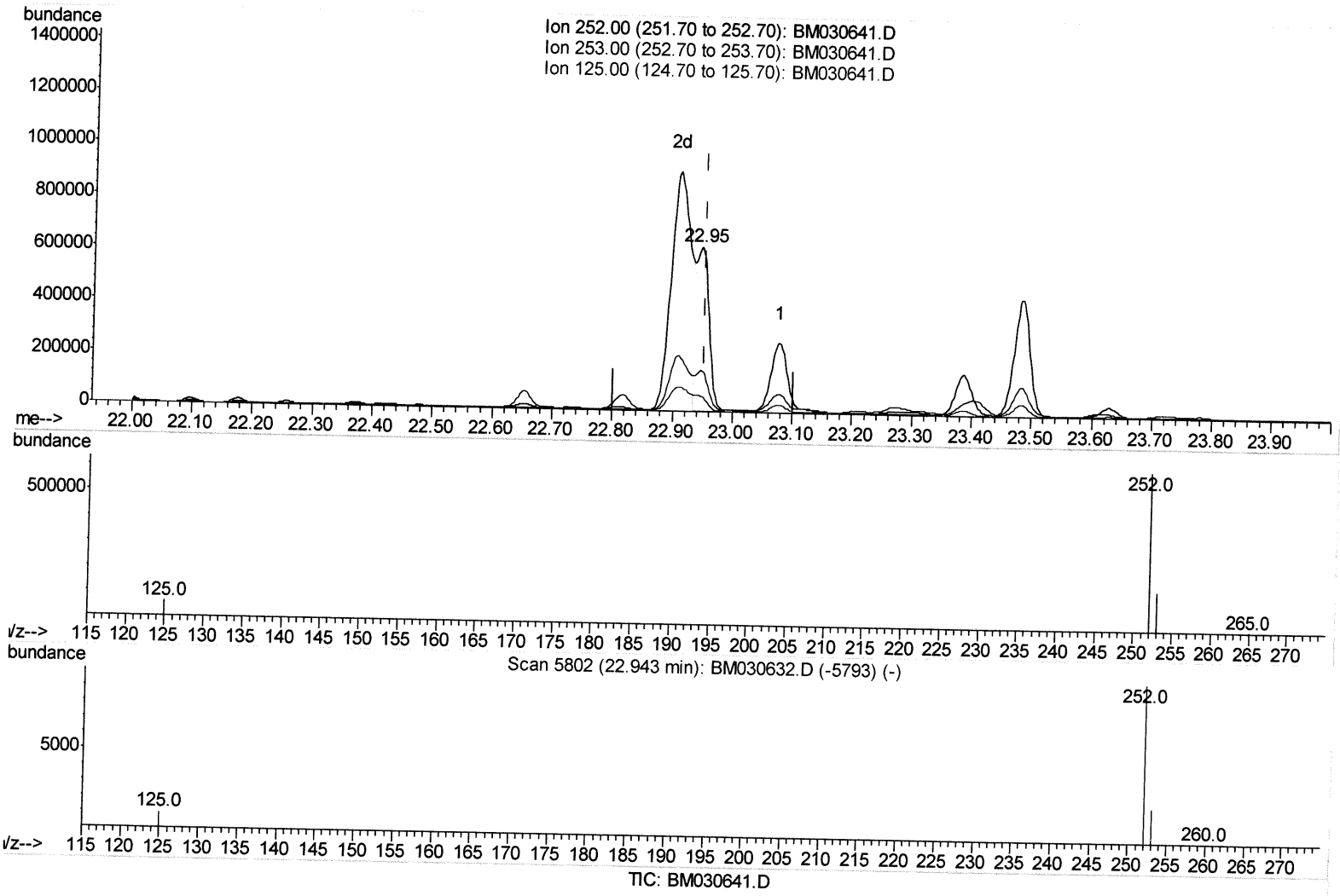
Ion	Exp%	Act%
252.00	100	100
253.00	25.80	26.87
125.00	13.70	11.48
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 27 03:49:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF3DL

Manual Integrations APPROVED
mohammad
6/28/2021 1:23:05 PM



(25) Benzo(k)fluoranthene

22.946min (-0.007) 9.47ng/ul m JU 6/30/21

response 910466

Ion	Exp%	Act%
252.00	100	100
253.00	25.80	24.94
125.00	13.70	9.58#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030641.D
Acq On : 26 Jun 2021 17:06
Operator : CG/JU
Sample : M2682-02DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDF3DL

Manual Integrations APPROVED
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Quant Time: Jun 27 03:51:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	5559	0.40	ng/ul	0.00
4) Naphthalene-d8	10.58	136	23531	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.42	164	15157	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.16	188	29319	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	21657	0.40	ng/ul	0.00
23) Perylene-d12	23.58	264	21070	0.40	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	1633	0.27	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.17	152	953	0.03	ng/ul	0.00
18) Fluoranthene-d10	19.18	212	1006	0.02	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.63	128	76555	1.094	ng/ul	99
7) 2-Methylnaphthalene	12.24	142	13266	0.281	ng/ul	100
8) 1-Methylnaphthalene	12.46	142	8878	0.193	ng/ul	99
10) Acenaphthylene	14.14	152	222662	3.139	ng/ul	100
11) Acenaphthene	14.48	153	94728	1.639	ng/ul	98
12) Fluorene	15.47	166	364169	5.691	ng/ul	99
15) Phenanthrene	17.20	178	4026305	38.568	ng/ul	98
16) Anthracene	17.29	178	2568985	28.090	ng/ul	100
19) Fluoranthene	19.22	202	7610063	76.434	ng/ul	97
20) Pyrene	19.58	202	4567725	44.782	ng/ul	99
21) Benzo(a)anthracene	21.31	228	2743829	31.894	ng/ul	92
22) Chrysene	21.36	228	2110653m	22.100	ng/ul	94 6/30/21
24) Benzo(b)fluoranthene	22.91	252	2104021m	22.956	ng/ul	
25) Benzo(k)fluoranthene	22.95	252	910466m	9.471	ng/ul	
26) Benzo(a)pyrene	23.48	252	827945	10.179	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.86	276	587855	5.684	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.86	278	250286	3.034	ng/ul	95
29) Benzo(g,h,i)perylene	26.56	276	24113	0.270	ng/ul#	78

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