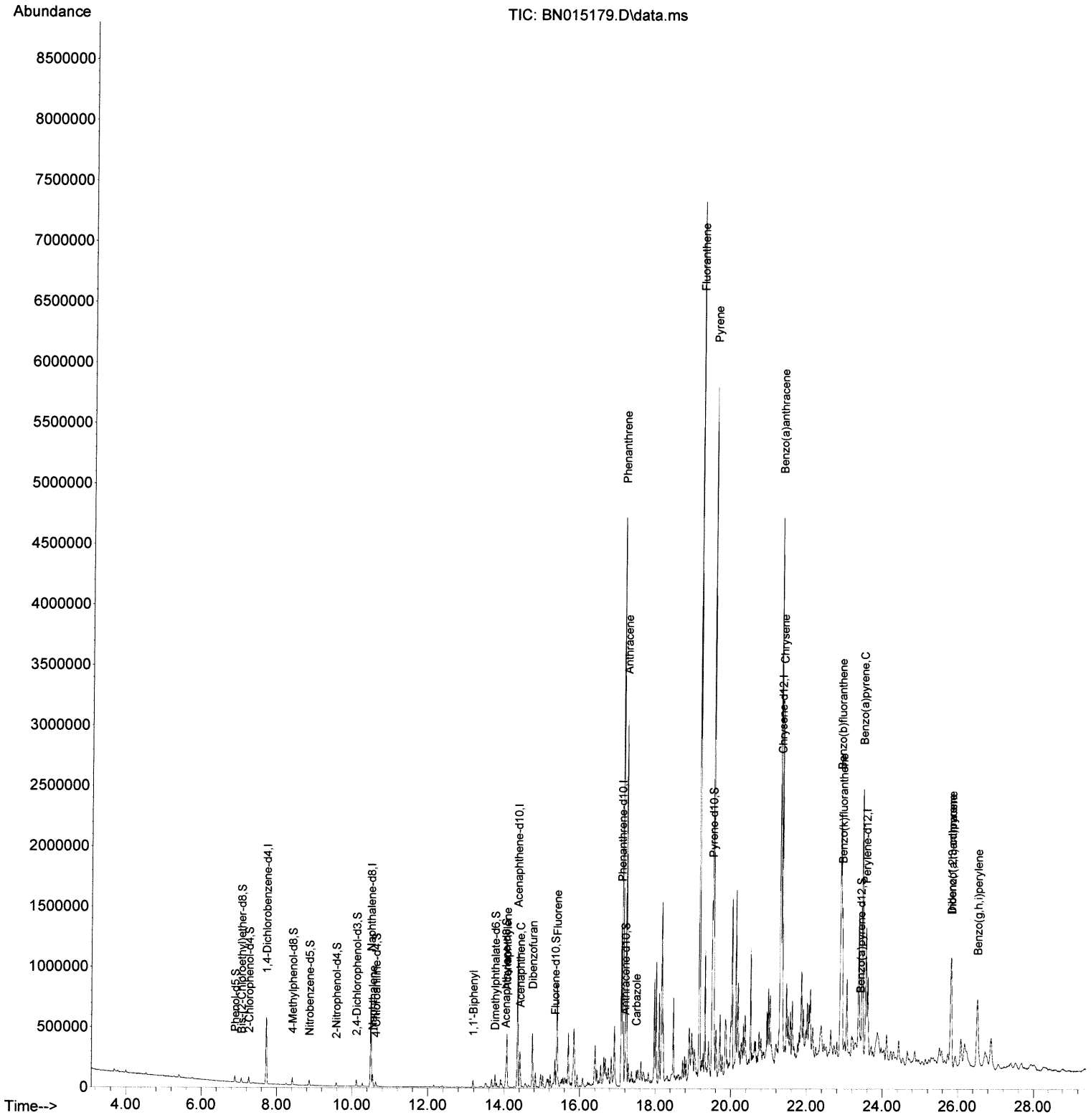
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015179.D
Acq On : 28 Jun 2021 17:12
Operator : CG/JU
Sample : M2680-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 17:44:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM

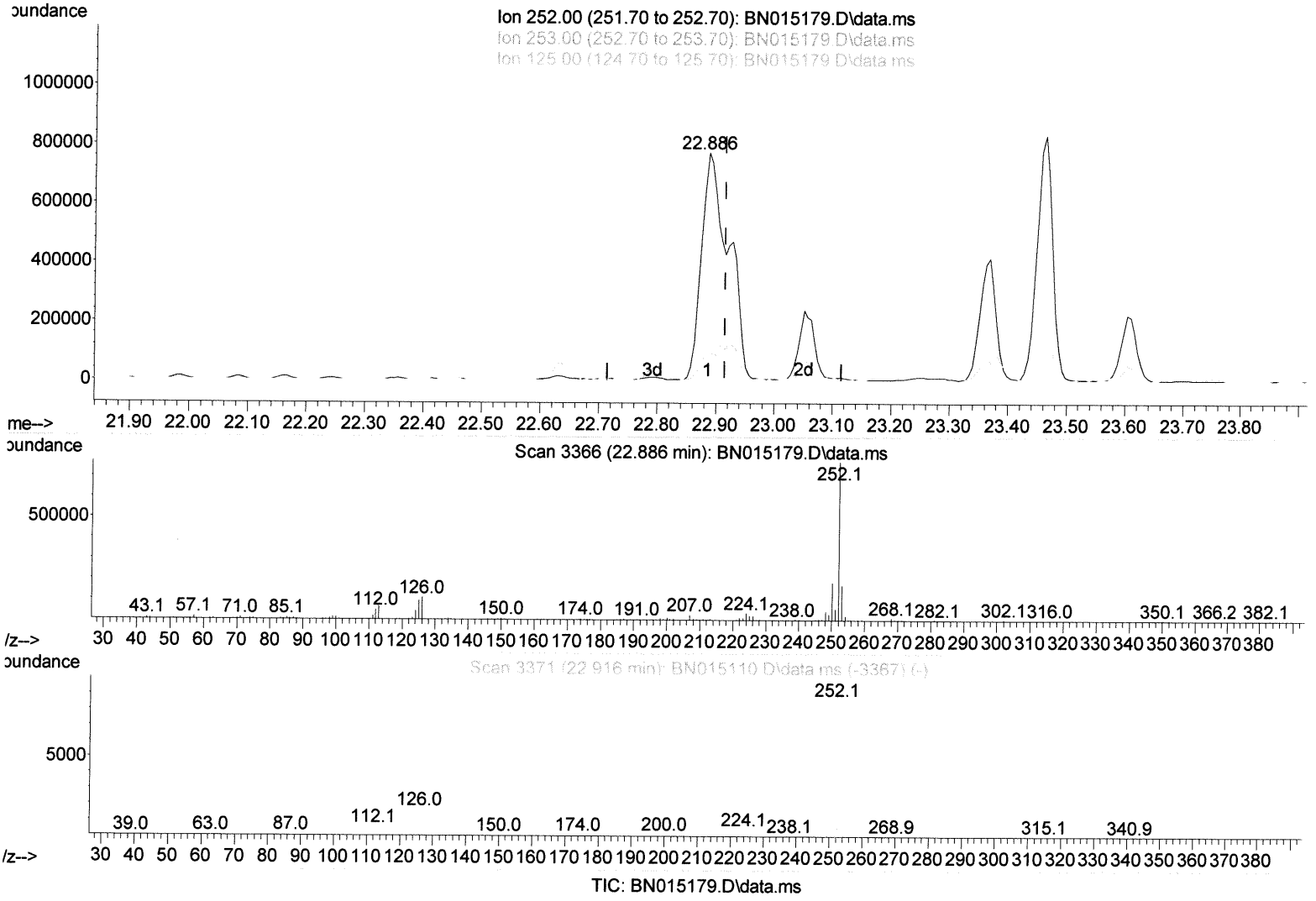


Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015179.D
Acq On : 28 Jun 2021 17:12
Operator : CG/JU
Sample : M2680-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 17:44:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(91) Benzo(k)fluoranthene

22.886min (-0.029) 38.57 ng/ul

response 1824786

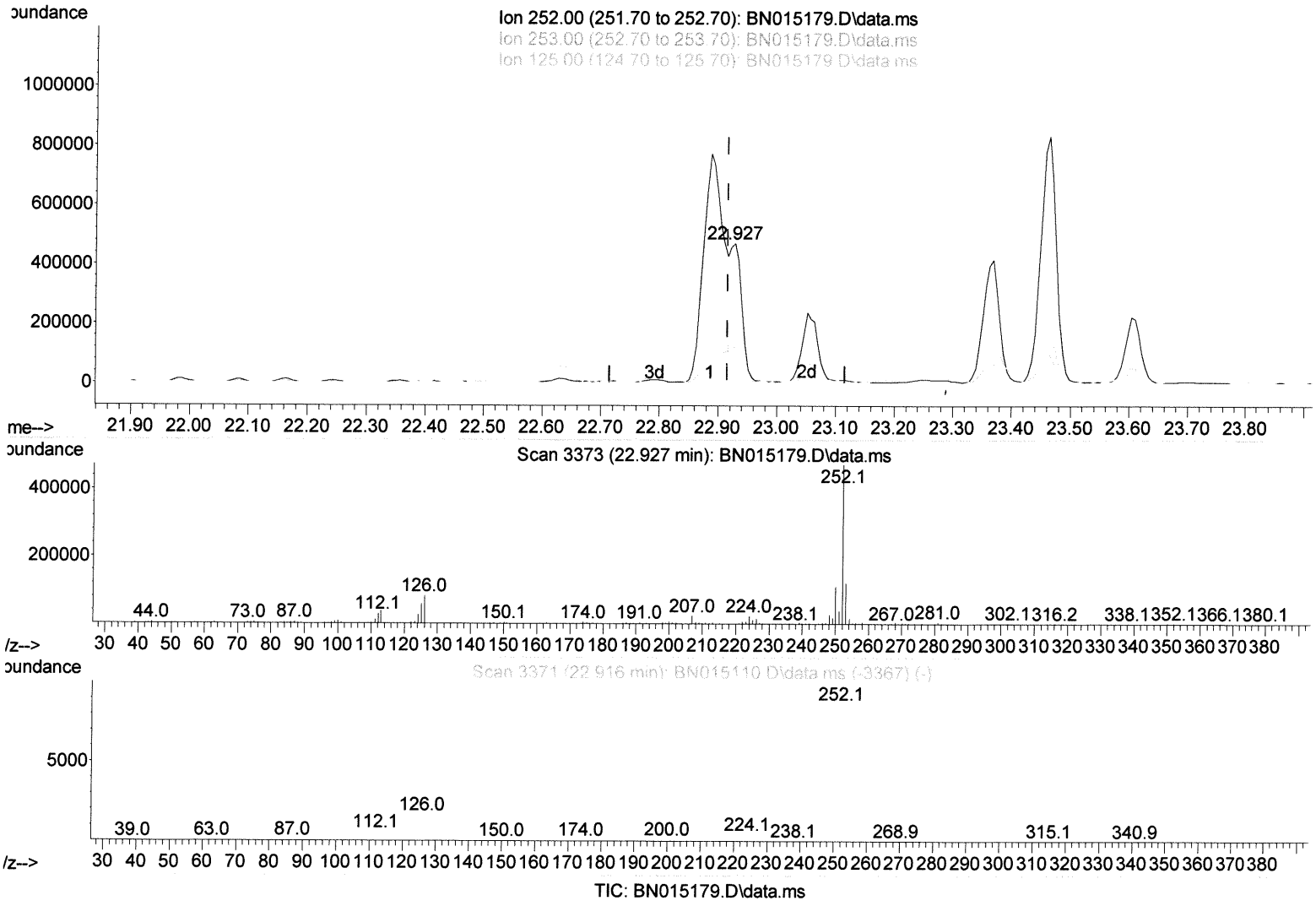
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.50	22.16
125.00	11.00	11.94
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015179.D
Acq On : 28 Jun 2021 17:12
Operator : CG/JU
Sample : M2680-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 17:44:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(91) Benzo(k)fluoranthene

22.927min (+ 0.012) 13.40 ng/ul m

response 634085

JG 6/30/21

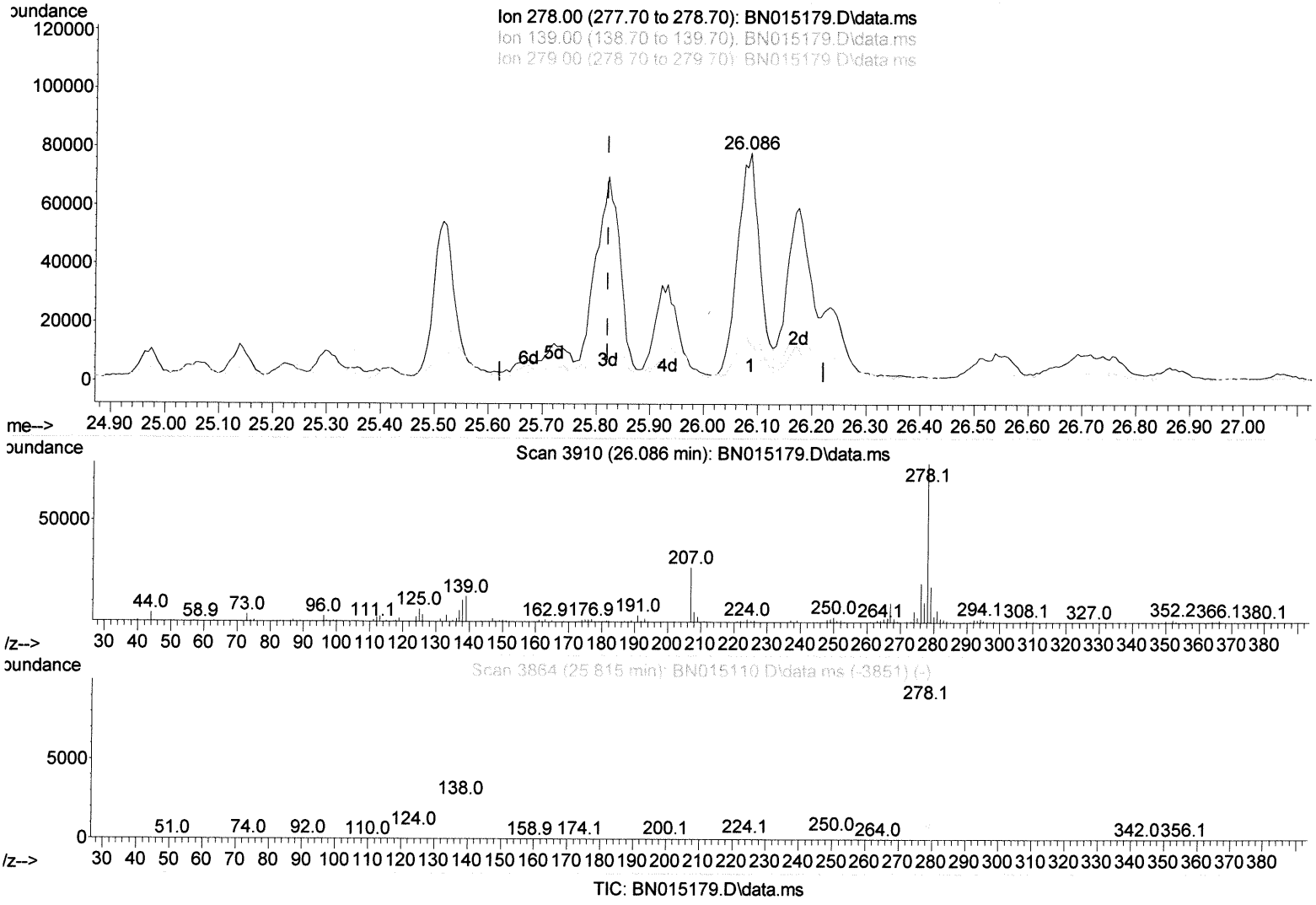
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.50	25.89
125.00	11.00	12.32
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015179.D
Acq On : 28 Jun 2021 17:12
Operator : CG/JU
Sample : M2680-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 17:44:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(95) Dibenzo(a,h)anthracene

26.086min (+ 0.265) 5.05 ng/ul

response 215853

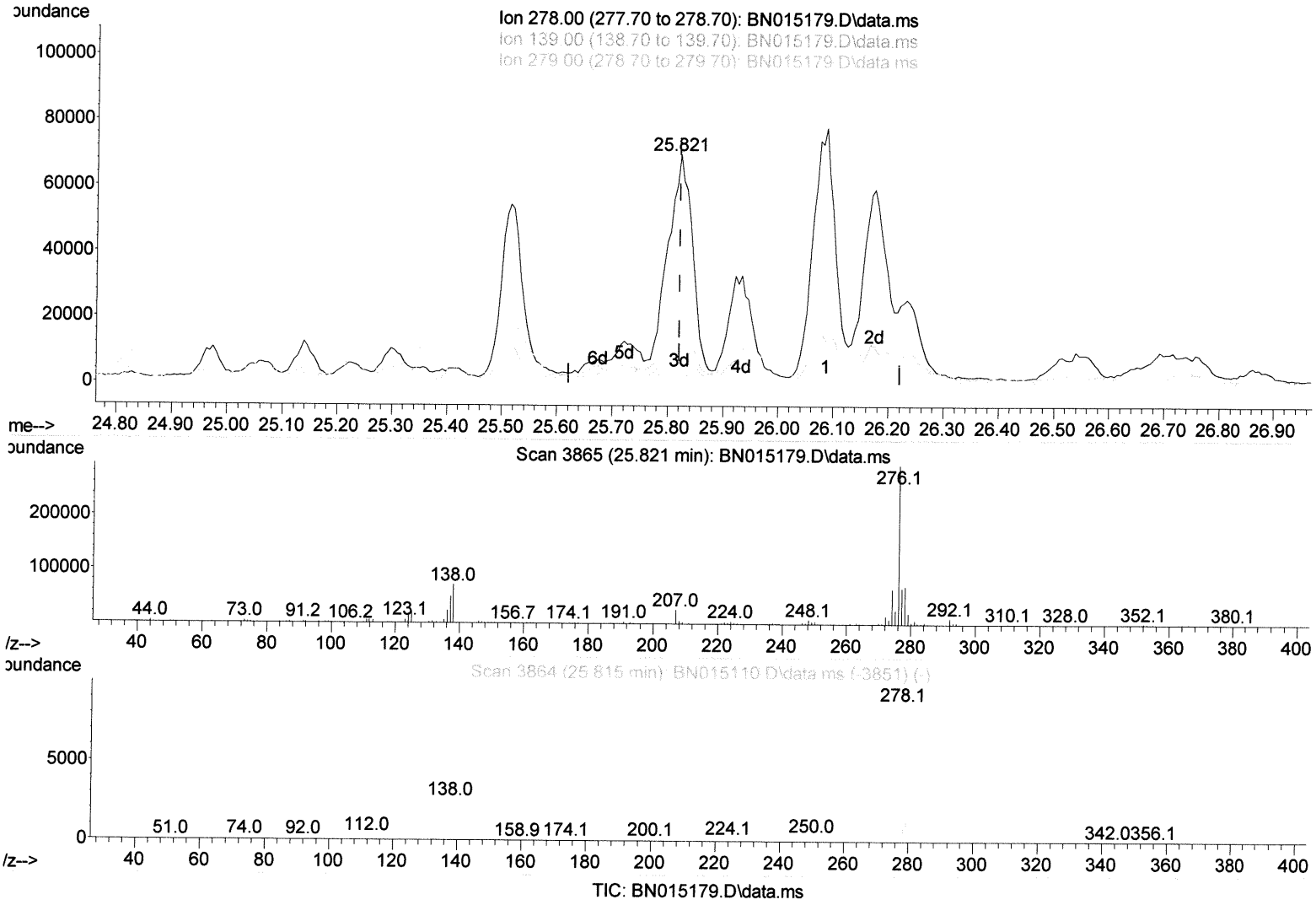
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	18.50	16.18
279.00	25.30	22.73
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015179.D
Acq On : 28 Jun 2021 17:12
Operator : CG/JU
Sample : M2680-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 17:44:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(95) Dibenzo(a,h)anthracene

25.821min (+ 0.000) 4.96 ng/ul m JG 6/30/21

response 211838

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	18.50	0.00#
279.00	25.30	28.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015179.D
Acq On : 28 Jun 2021 17:12
Operator : CG/JU
Sample : M2680-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 17:44:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	148285	20.00	ng/ul	0.00
20) Naphthalene-d8	10.499	136	617357	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.351	164	369021	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.098	188	762106	20.00	ng/ul	0.00
79) Chrysene-d12	21.310	240	670427	20.00	ng/ul	0.01
88) Perylene-d12	23.557	264	776357	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	1431	0.38	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.00	ng/ul	
7) Phenol-d5	6.893	99	28687	2.23	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.064	67	16769	2.22	ng/ul	0.00
11) 2-Chlorophenol-d4	7.258	132	22169	2.27	ng/ul	0.00
15) 4-Methylphenol-d8	8.416	113	21738	2.19	ng/ul	0.00
21) Nitrobenzene-d5	8.863	128	10745	2.54	ng/ul	0.00
24) 2-Nitrophenol-d4	9.581	143	9094	2.42	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.116	165	19792	2.23	ng/ul	0.00
31) 4-Chloroaniline-d4	10.628	131	21718	1.58	ng/ul	0.00
46) Dimethylphthalate-d6	13.757	166	65360	2.58	ng/ul	0.00
49) Acenaphthylene-d8	14.040	160	83655	2.54	ng/ul	0.00
54) 4-Nitrophenol-d4	14.545	143	4136	0.94	ng/ul	0.00
60) Fluorene-d10	15.345	176	59814	2.71	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	987	0.31	ng/ul	0.00
73) Anthracene-d10	17.198	188	96159	2.76	ng/ul	0.00
81) Pyrene-d10	19.504	212	103197	2.94	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.416	264	106258	2.77	ng/ul	0.01
Target Compounds						Qvalue
30) Naphthalene	10.546	128	78349	2.49	ng/ul	98
43) 1,1'-Biphenyl	13.181	154	26720	1.00	ng/ul	99
50) Acenaphthylene	14.069	152	291691	9.40	ng/ul	98
52) Acenaphthene	14.416	153	128767	5.90	ng/ul	98
56) Dibenzofuran	14.751	168	244050	7.96	ng/ul	96
61) Fluorene	15.398	166	372570	15.34	ng/ul	100
72) Phenanthrene	17.145	178	2842635	70.67	ng/ul	99
74) Anthracene	17.234	178	1869903	45.28	ng/ul	98
77) Carbazole	17.498	167	61263	1.65	ng/ul	97
80) Fluoranthene	19.169	202	4423477	104.28	ng/ul	98
82) Pyrene	19.533	202	3606899	81.58	ng/ul	100
85) Benzo(a)anthracene	21.292	228	1927114	46.47	ng/ul#	87
87) Chrysene	21.345	228	1512260	37.03	ng/ul	94
90) Benzo(b)fluoranthene	22.886	252	1824786	39.03	ng/ul	100
91) Benzo(k)fluoranthene	22.927	252	634085m	13.40	ng/ul	99
93) Benzo(a)pyrene	23.463	252	1516967	35.70	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.815	276	802965	15.58	ng/ul	93
95) Dibenzo(a,h)anthracene	25.821	278	211838m	4.96	ng/ul	98
96) Benzo(g,h,i)perylene	26.515	276	644206	14.46	ng/ul	98

JU 6/30/21

JU 6/30/21

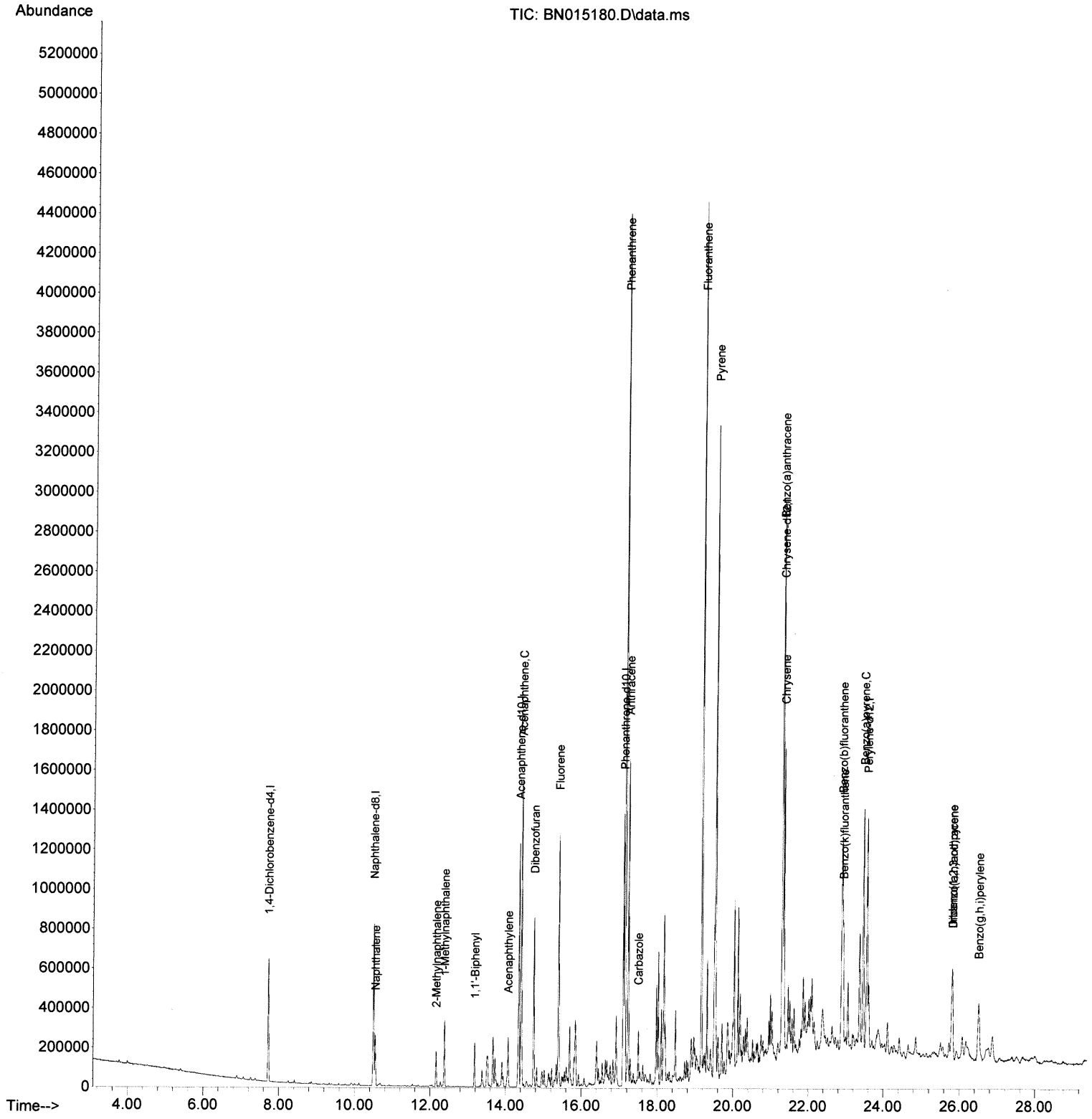
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015180.D
Acq On : 28 Jun 2021 17:48
Operator : CG/JU
Sample : M2680-06DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 29 01:07:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM

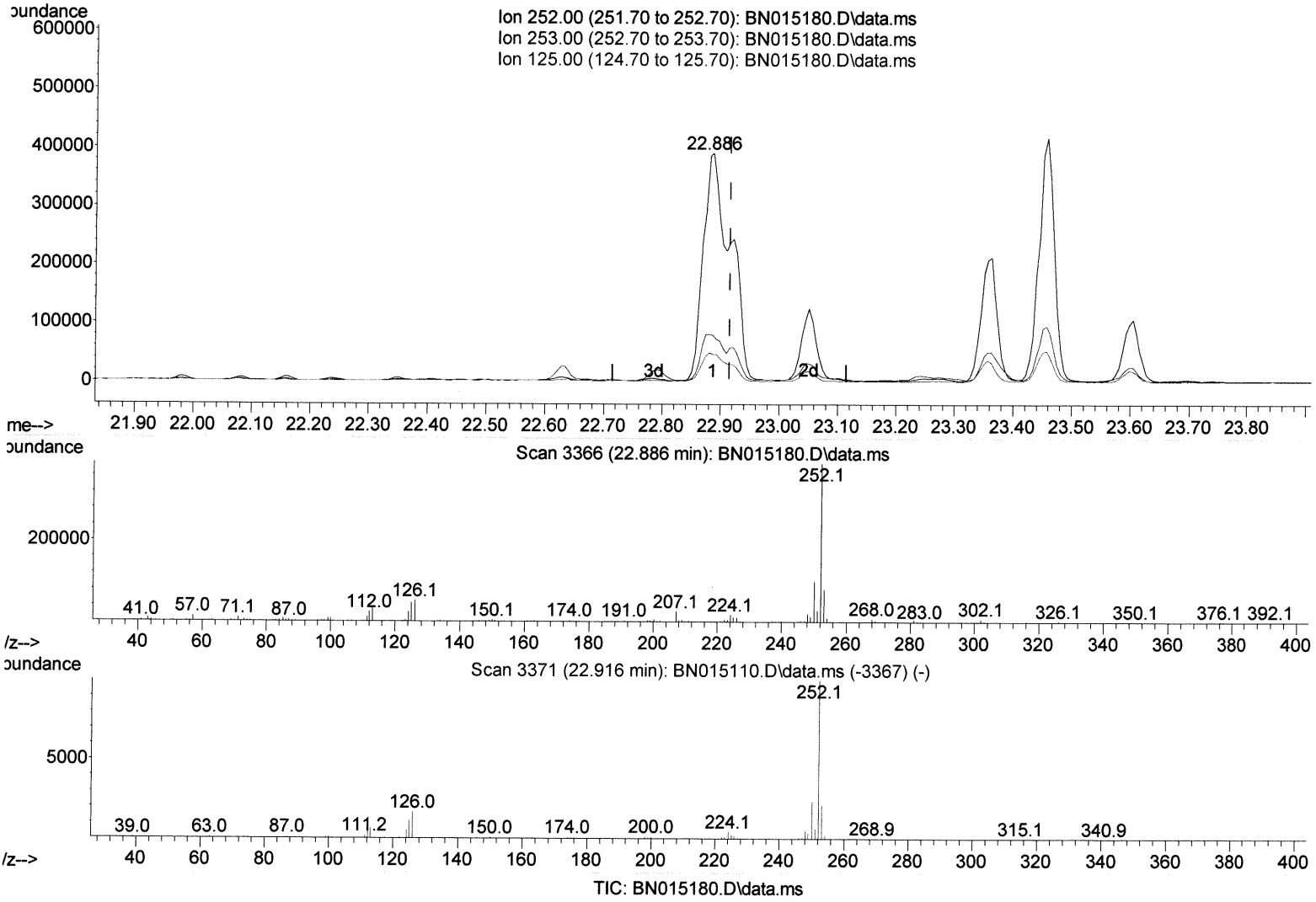


Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015180.D
Acq On : 28 Jun 2021 17:48
Operator : CG/JU
Sample : M2680-06DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 29 01:07:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(91) Benzo(k)fluoranthene

22.886min (-0.029) 18.46 ng/ul

response 907854

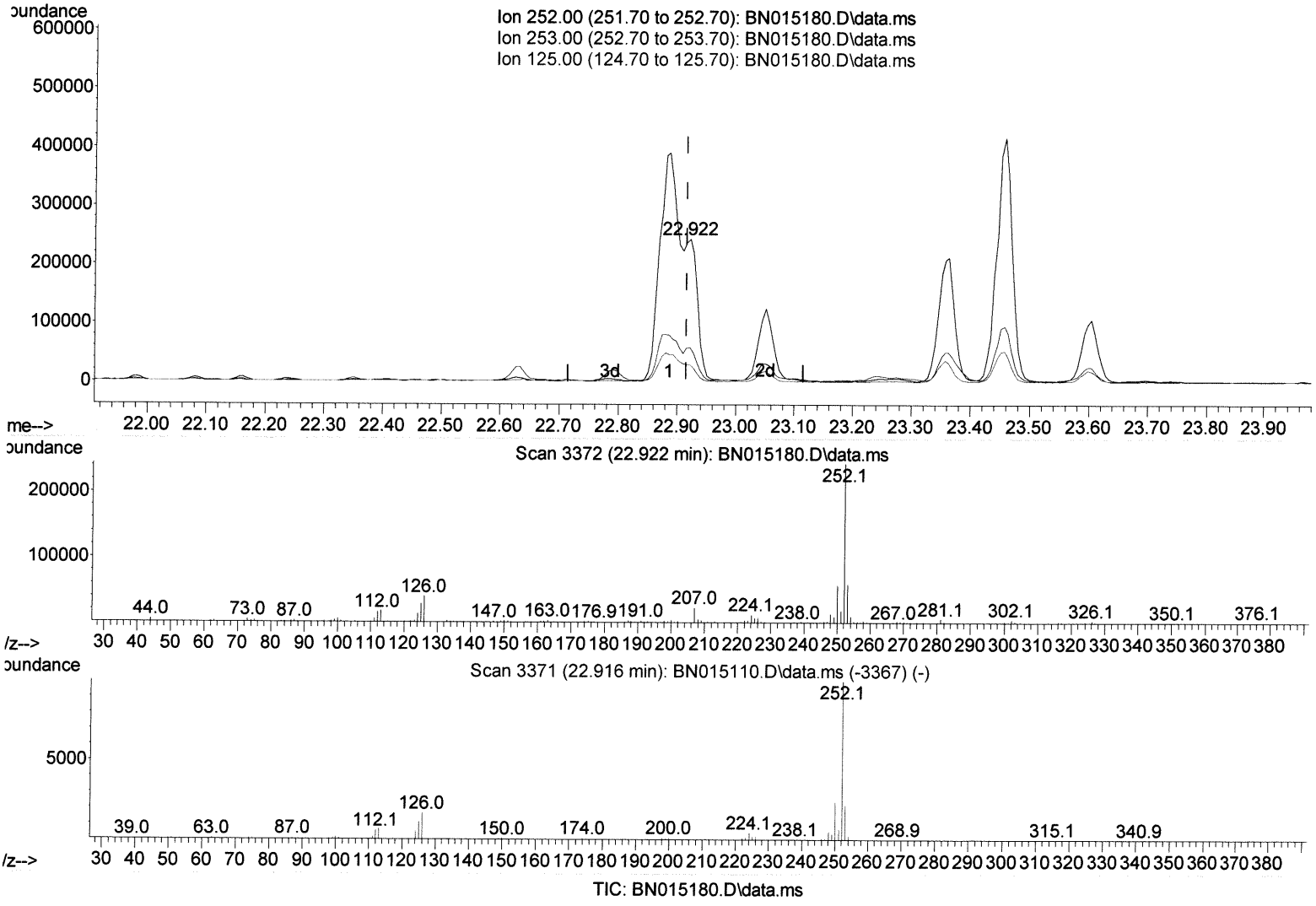
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.50	20.38
125.00	11.00	12.01
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015180.D
Acq On : 28 Jun 2021 17:48
Operator : CG/JU
Sample : M2680-06DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 29 01:07:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(91) Benzo(k)fluoranthene

22.922min (+ 0.006) 6.75 ng/ul m JU 6/30/21

response 331954

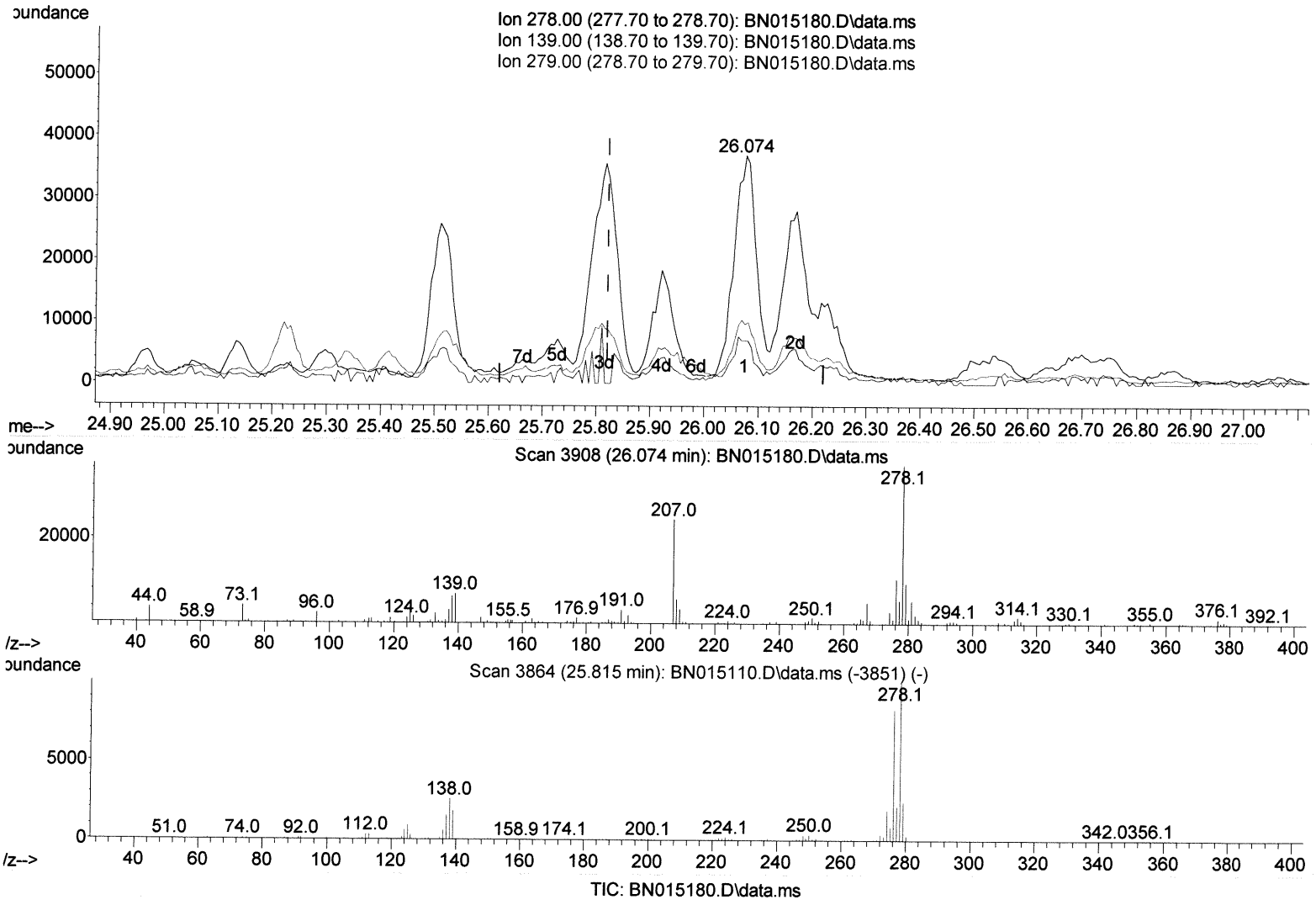
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.50	24.04
125.00	11.00	11.77
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015180.D
Acq On : 28 Jun 2021 17:48
Operator : CG/JU
Sample : M2680-06DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 29 01:07:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(95) Dibenzo(a,h)anthracene

26.074min (+ 0.253) 2.33 ng/ul

response 103584

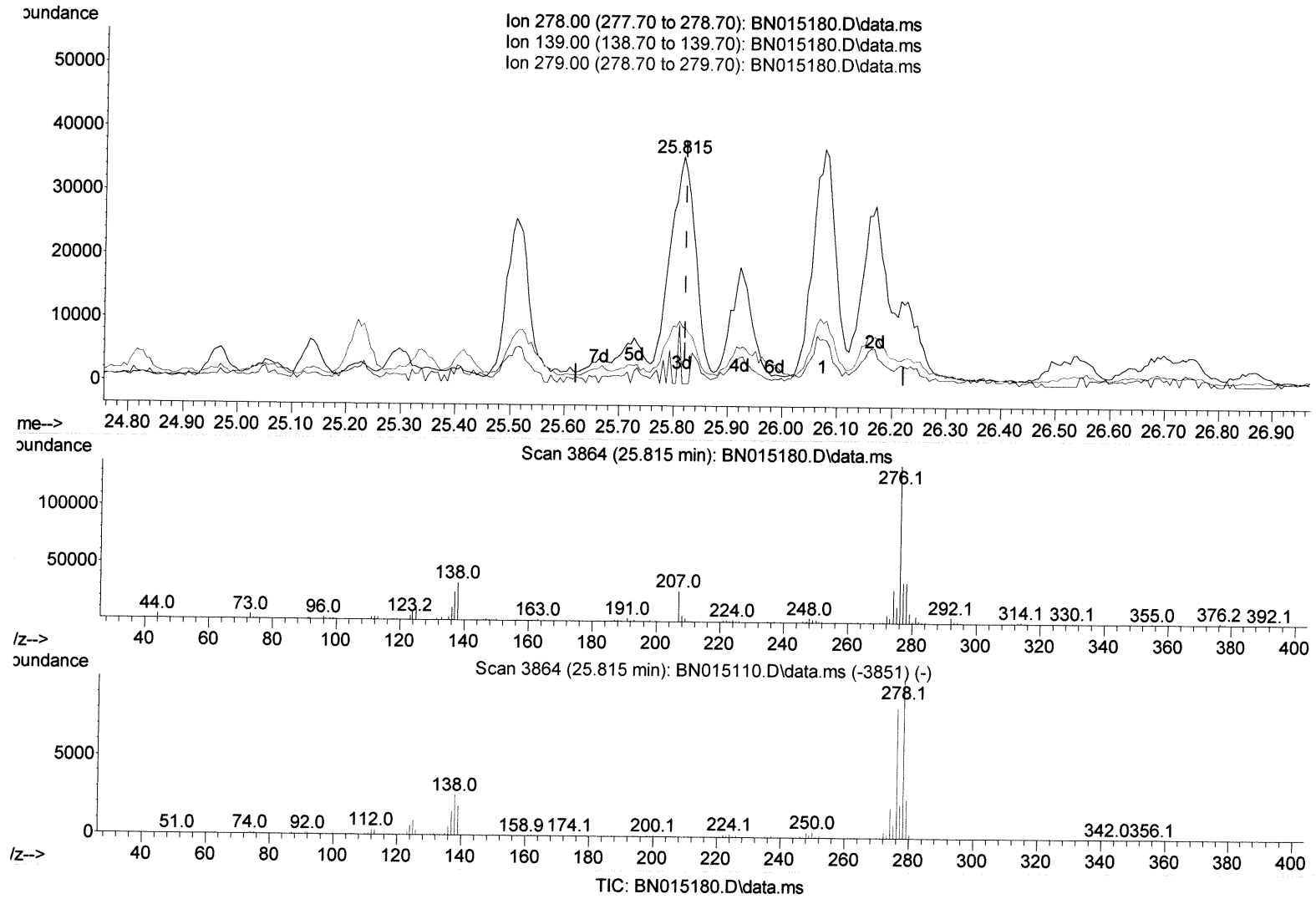
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	18.50	19.08
279.00	25.30	26.04
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015180.D
Acq On : 28 Jun 2021 17:48
Operator : CG/JU
Sample : M2680-06DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 29 01:07:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM



(95) Dibenzo(a,h)anthracene

25.815min (-0.006) 2.51 ng/ul m JU 6/30/21

response 111328

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	18.50	0.00#
279.00	25.30	24.94
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062821\
Data File : BN015180.D
Acq On : 28 Jun 2021 17:48
Operator : CG/JU
Sample : M2680-06DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 29 01:07:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN061821MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 24 14:43:13 2021
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : BGDD3DL

Manual Integrations APPROVED
mohammad
6/29/2021 2:30:53 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	165635	20.00	ng/ul	0.00
20) Naphthalene-d8	10.499	136	667068	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.351	164	395225	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.098	188	797207	20.00	ng/ul	0.00
79) Chrysene-d12	21.304	240	758145	20.00	ng/ul	0.00
88) Perylene-d12	23.557	264	806729	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.00	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.00	ng/ul	
7) Phenol-d5	6.893	99	7779	0.54	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.064	67	5051	0.60	ng/ul	0.00
11) 2-Chlorophenol-d4	7.258	132	5909	0.54	ng/ul	0.00
15) 4-Methylphenol-d8	8.416	113	5936	0.54	ng/ul	0.00
21) Nitrobenzene-d5	8.869	128	2898	0.64	ng/ul	0.00
24) 2-Nitrophenol-d4	9.581	143	2184	0.54	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.116	165	4879	0.51	ng/ul	0.00
31) 4-Chloroaniline-d4	10.634	131	7466	0.50	ng/ul	0.00
46) Dimethylphthalate-d6	13.757	166	18010	0.66	ng/ul	0.00
49) Acenaphthylene-d8	14.040	160	22383	0.64	ng/ul	0.00
54) 4-Nitrophenol-d4	14.540	143	995	0.21	ng/ul	0.00
60) Fluorene-d10	15.345	176	16827	0.71	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.00	ng/ul	
73) Anthracene-d10	17.192	188	28962	0.79	ng/ul	0.00
81) Pyrene-d10	19.498	212	28899	0.73	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.410	264	27221	0.68	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.546	128	205908	6.05	ng/ul	99
36) 2-Methylnaphthalene	12.157	142	83476	3.54	ng/ul	98
37) 1-Methylnaphthalene	12.381	142	150165	6.36	ng/ul	96
43) 1,1'-Biphenyl	13.181	154	112520	3.95	ng/ul	100
50) Acenaphthylene	14.069	152	133210	4.01	ng/ul	97
52) Acenaphthene	14.416	153	612403	26.19	ng/ul	99
56) Dibenzofuran	14.751	168	495893	15.10	ng/ul	99
61) Fluorene	15.398	166	536073	20.62	ng/ul	96
72) Phenanthrene	17.139	178	2627495	62.45	ng/ul	99
74) Anthracene	17.228	178	1005035	23.27	ng/ul	99
77) Carbazole	17.498	167	159592	4.10	ng/ul	99
80) Fluoranthene	19.163	202	2525118	52.64	ng/ul	99
82) Pyrene	19.528	202	2032503	40.65	ng/ul	100
85) Benzo(a)anthracene	21.286	228	1026650	21.89	ng/ul#	91
87) Chrysene	21.339	228	775443	16.79	ng/ul	93
90) Benzo(b)fluoranthene	22.886	252	907854	18.69	ng/ul	97
91) Benzo(k)fluoranthene	22.922	252	331954m	6.75	ng/ul	97
93) Benzo(a)pyrene	23.457	252	754634	17.09	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	25.810	276	396637	7.40	ng/ul	96
95) Dibenzo(a,h)anthracene	25.815	278	111328m	2.51	ng/ul	96
96) Benzo(g,h,i)perylene	26.504	276	311316	6.72	ng/ul	98

JU 6/30/21

JU 6/30/21

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