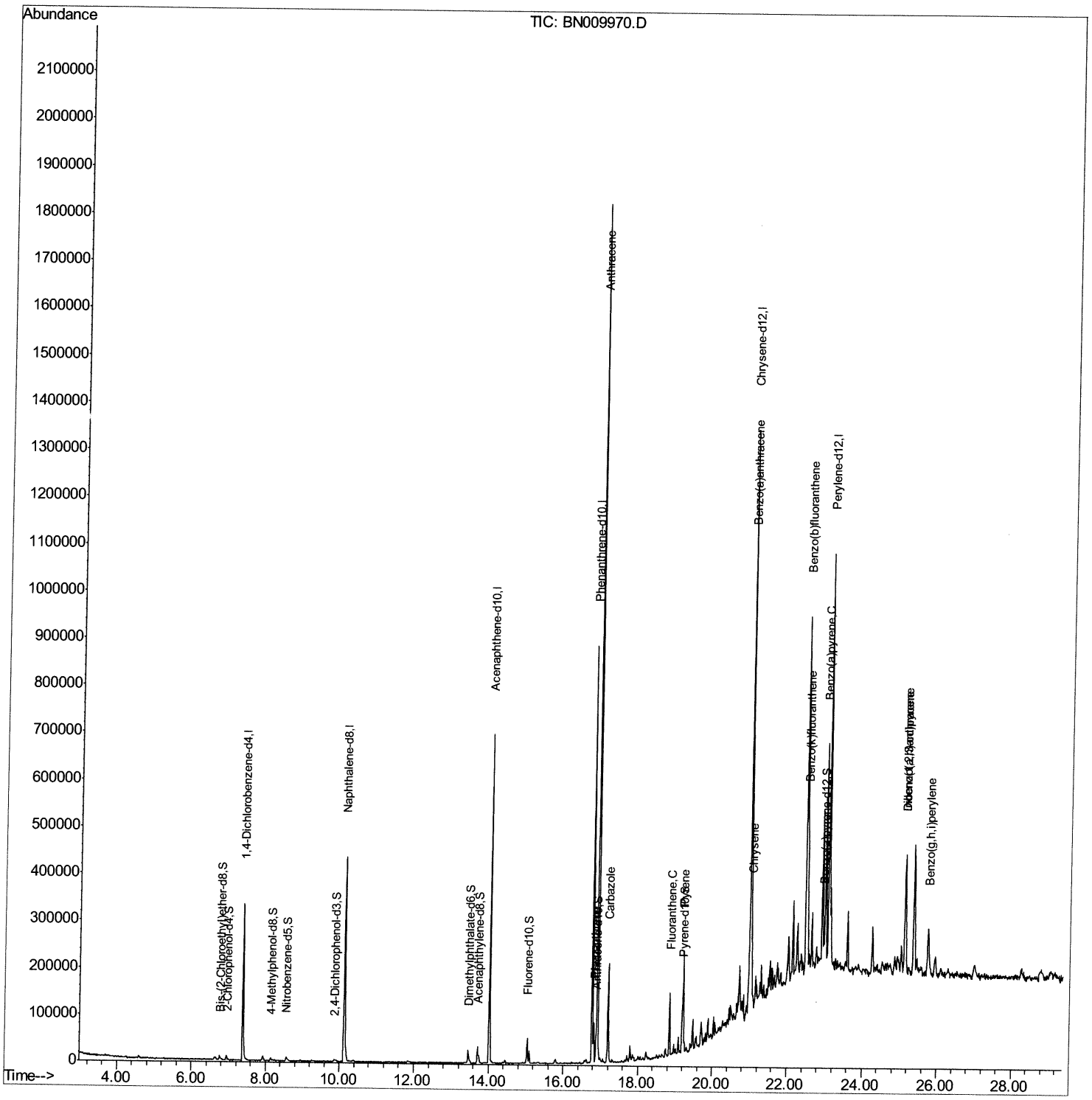
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 02:48:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
2/28/2020 2:39:07 PM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
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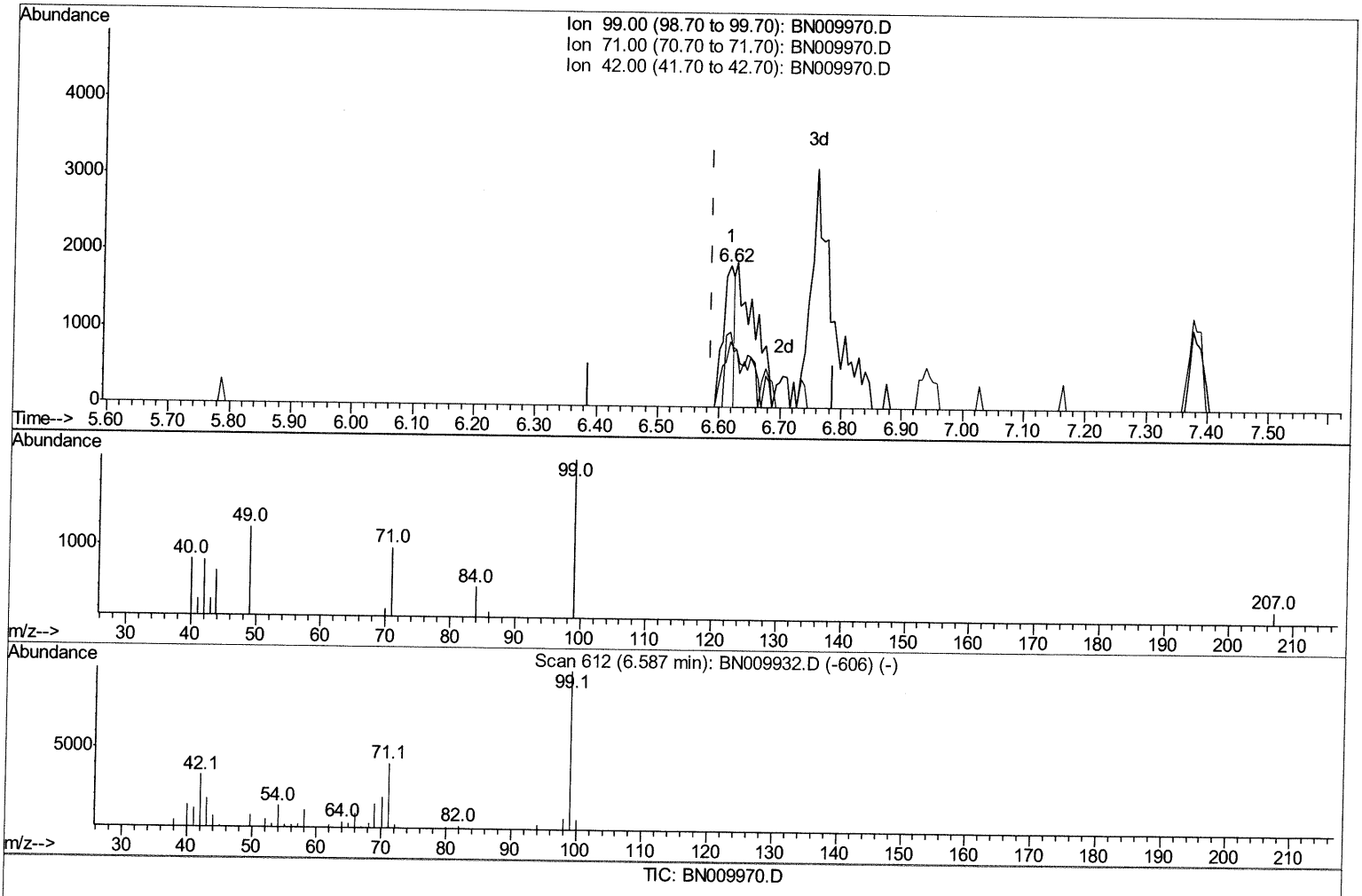

(5) Phenol-d5 (S)

6.616min (+0.030) 0.35ng/ul

response 2427

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	53.35#
42.00	28.80	46.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
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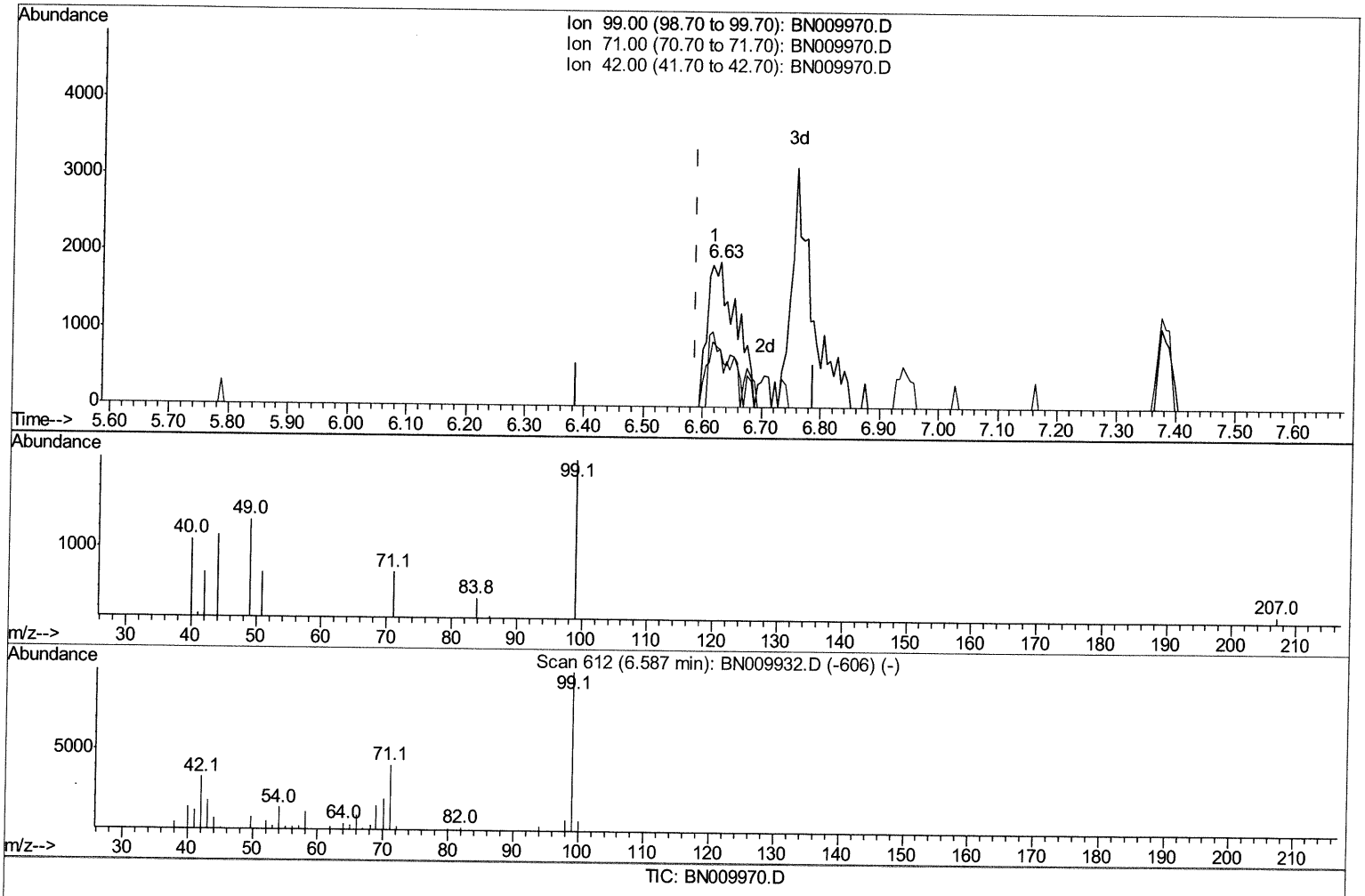

TIC: BN009970.D

(5) Phenol-d5 (S)

6.628min (+0.041) 0.93ng/ul m JU 02/29/20

response 6388

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	40.15
42.00	28.80	39.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
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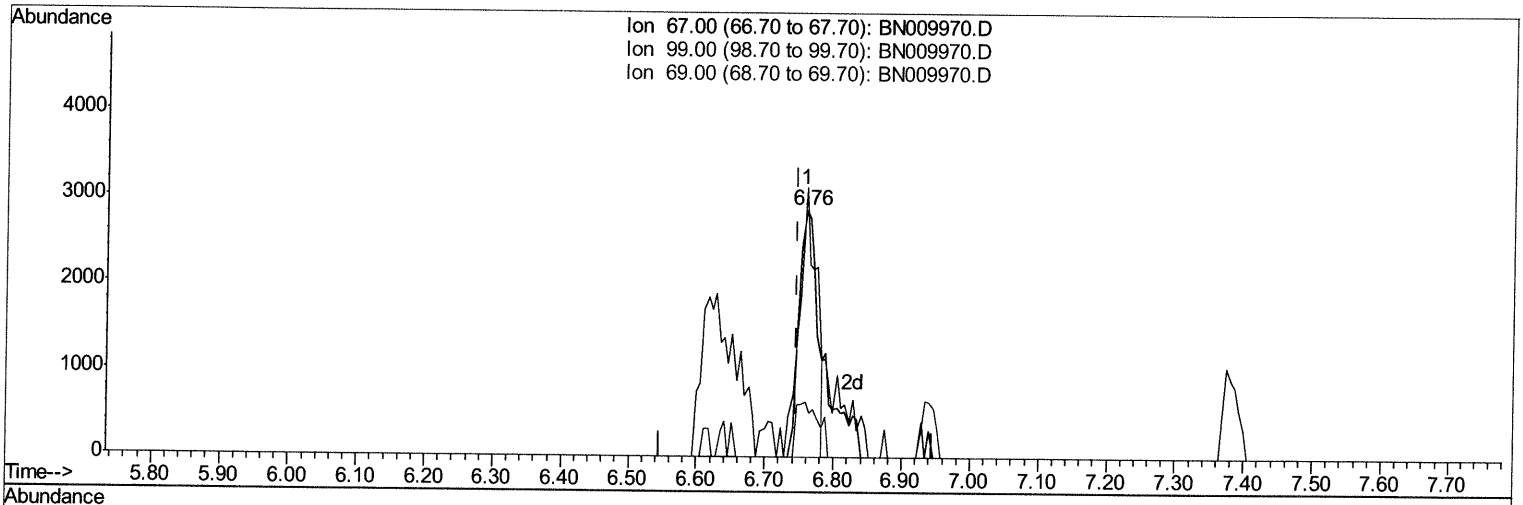

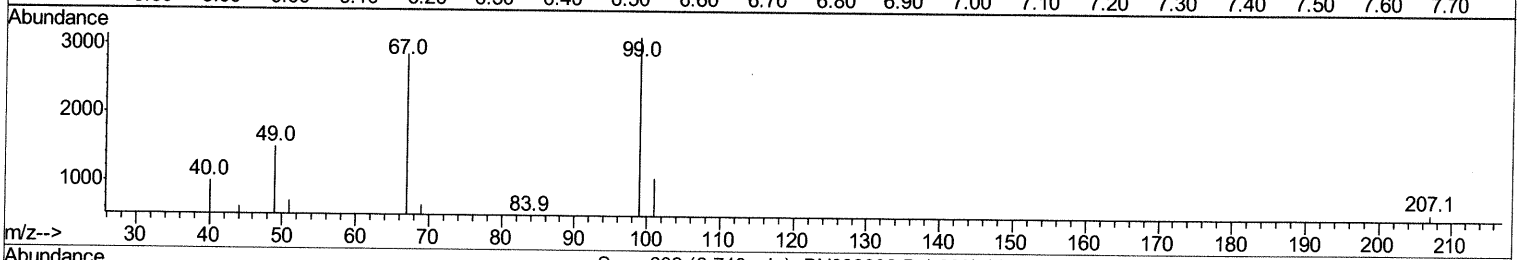

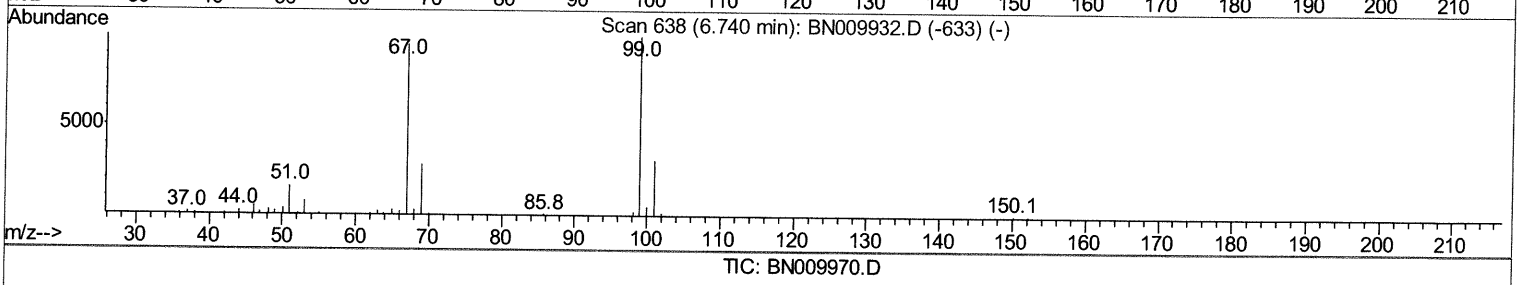

TIC: BN009970.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.758min (+0.012) 1.09ng/ul

response 5170

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	109.41
69.00	28.30	22.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
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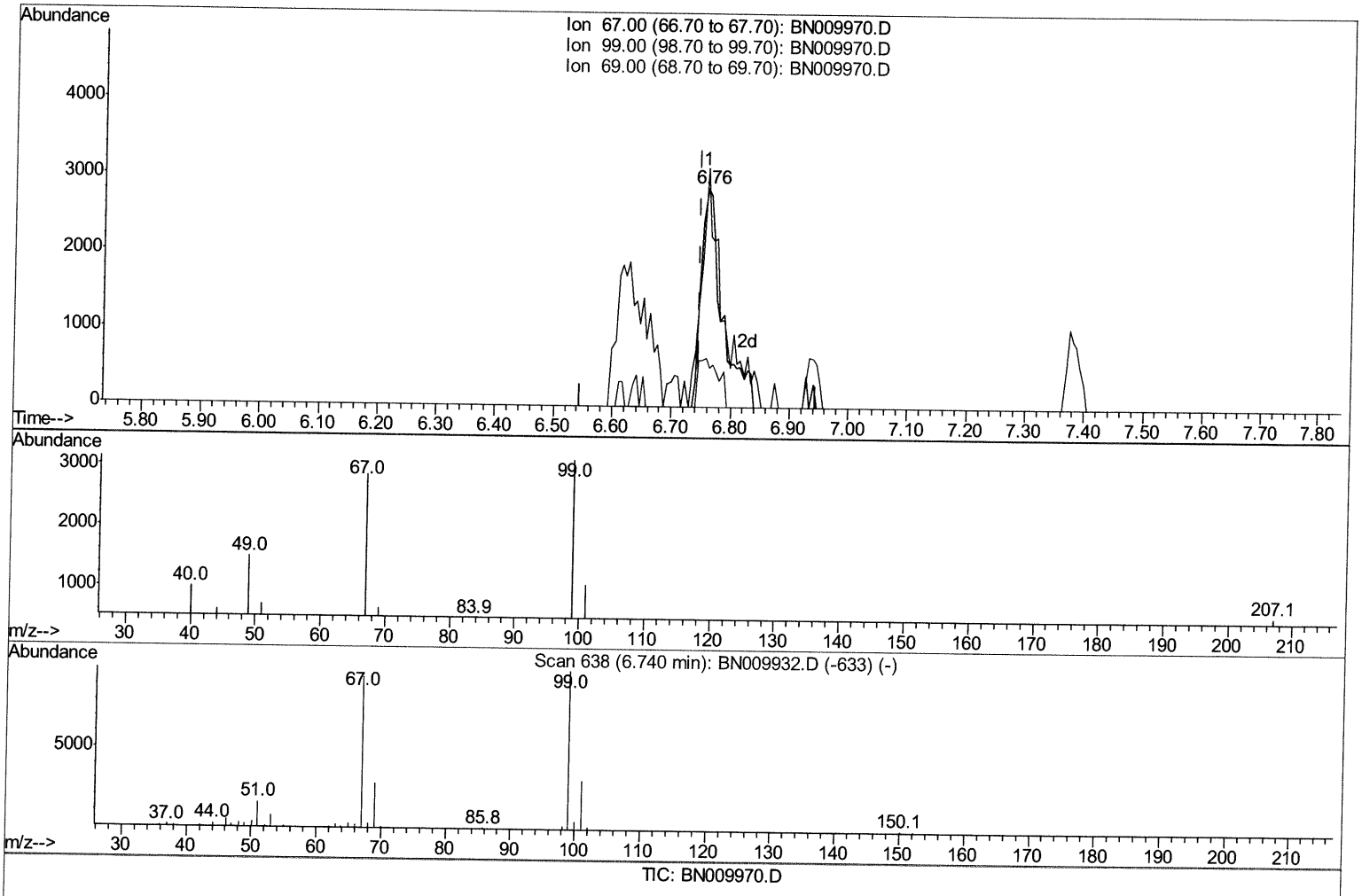

TIC: BN009970.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.758min (+0.012) 1.48ng/ul m JU 02/29/20

response 7036

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	109.41
69.00	28.30	22.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
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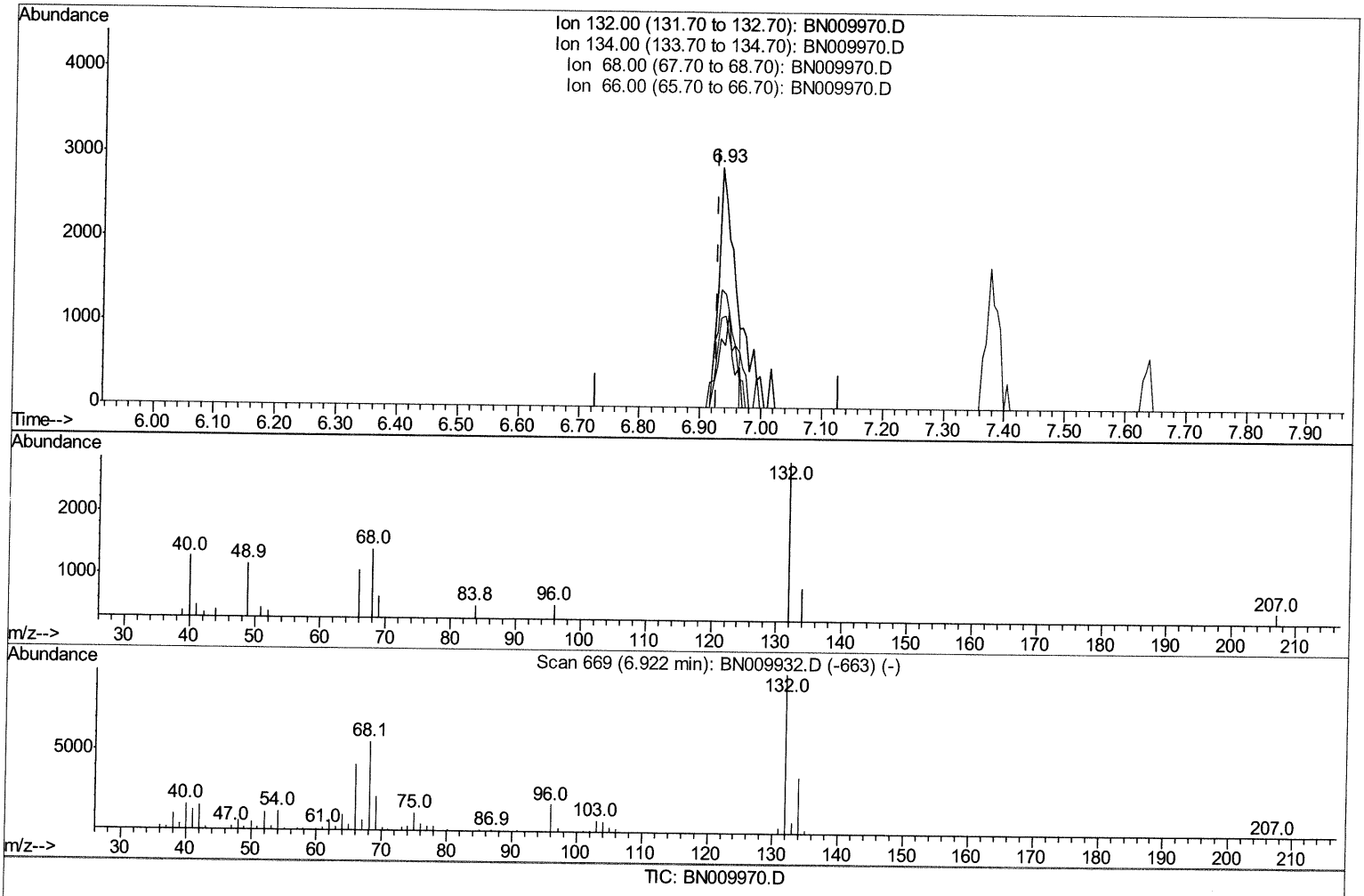

TIC: BN009970.D

(9) 2-Chlorophenol-d4 (S)

6.934min (+0.006) 0.93ng/ul

response 4826

Ion	Exp%	Act%
132.00	100	100
134.00	32.10	28.80
68.00	48.60	49.25
66.00	37.30	37.36

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
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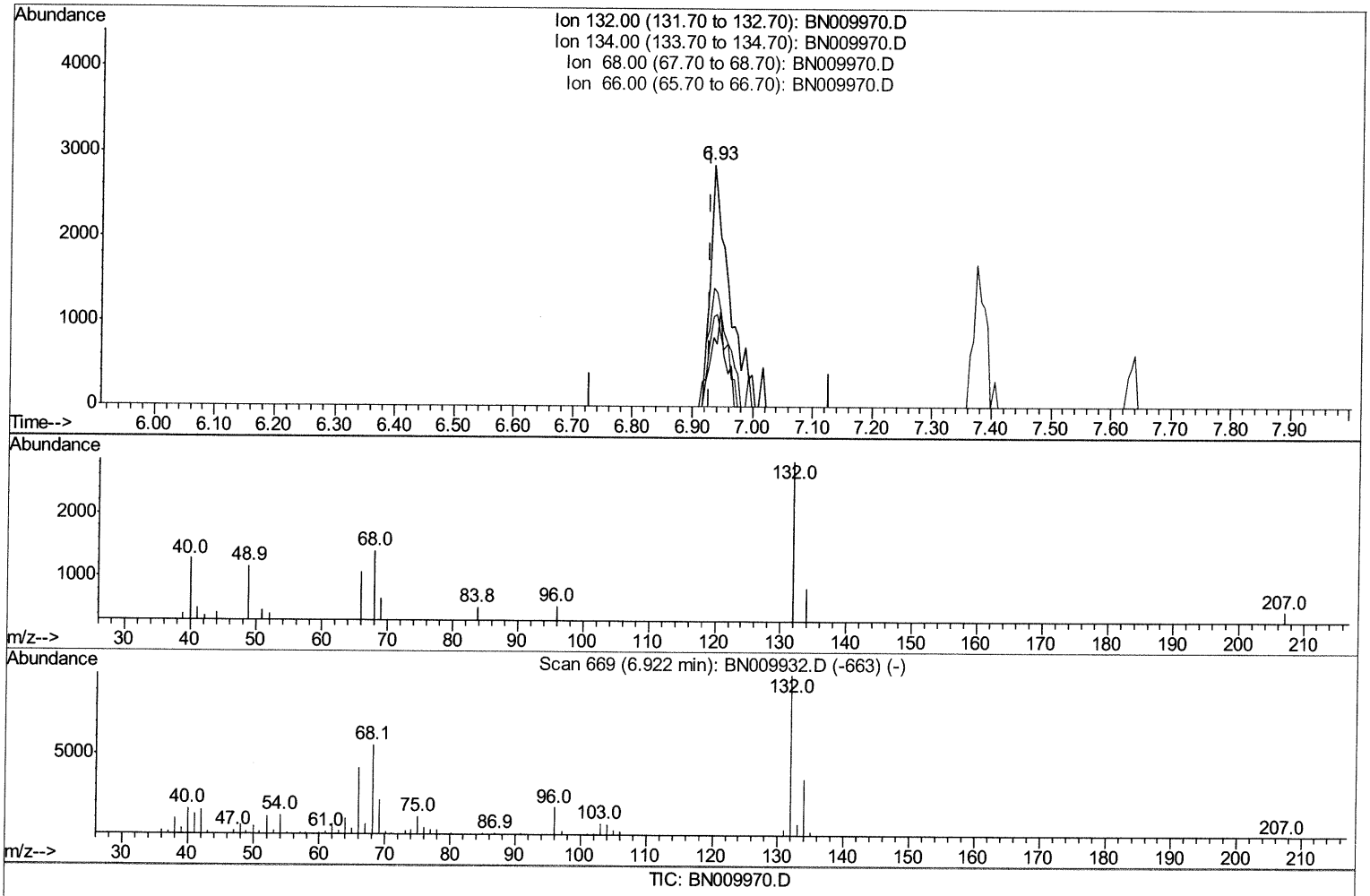

TIC: BN009970.D

(9) 2-Chlorophenol-d4 (S)

6.934min (+0.006) 1.18ng/ul m JU 02/29/20

response 6104

Ion	Exp%	Act%
132.00	100	100
134.00	32.10	28.80
68.00	48.60	49.25
66.00	37.30	37.36

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
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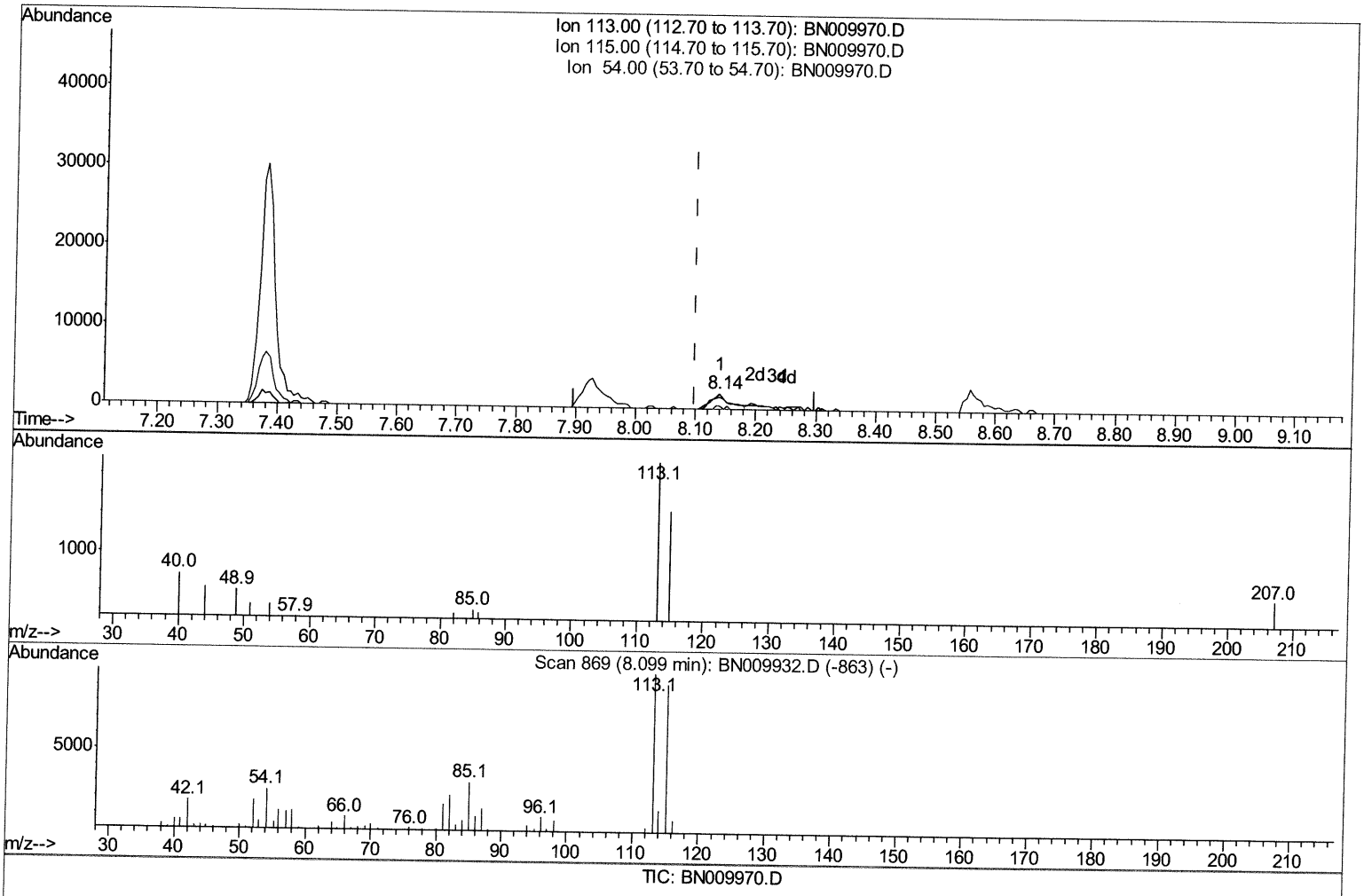

TIC: BN009970.D

(13) 4-Methylphenol-d8 (S)

8.140min (+0.041) 0.72ng/ul

response 3959

Ion	Exp%	Act%
113.00	100	100
115.00	90.70	74.46
54.00	21.20	24.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
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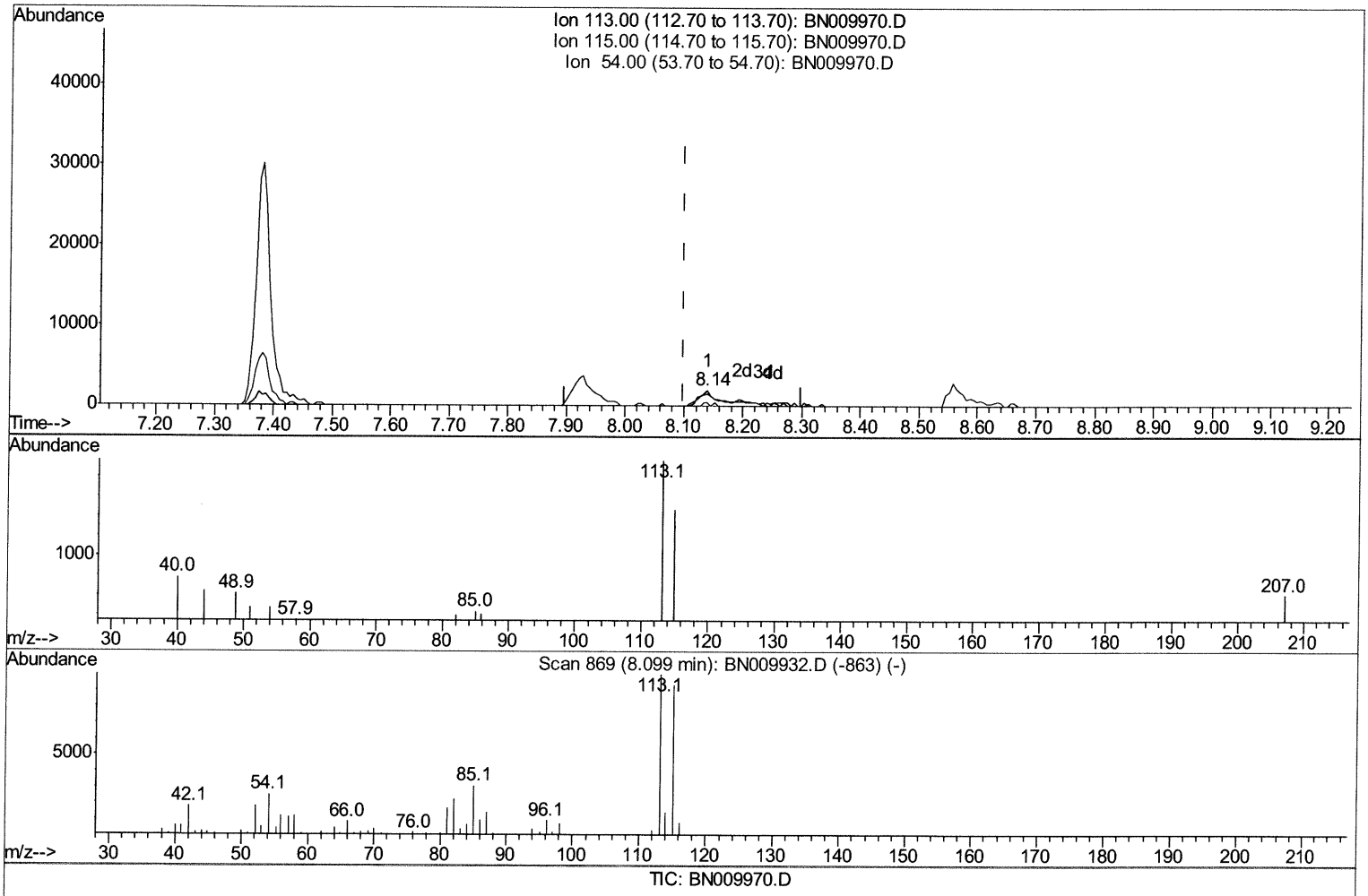

TIC: BN009970.D

(13) 4-Methylphenol-d8 (S)

8.140min (+0.041) 1.01ng/ul m JU 02/29/20

response 5526

Ion	Exp%	Act%
113.00	100	100
115.00	90.70	74.46
54.00	21.20	24.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
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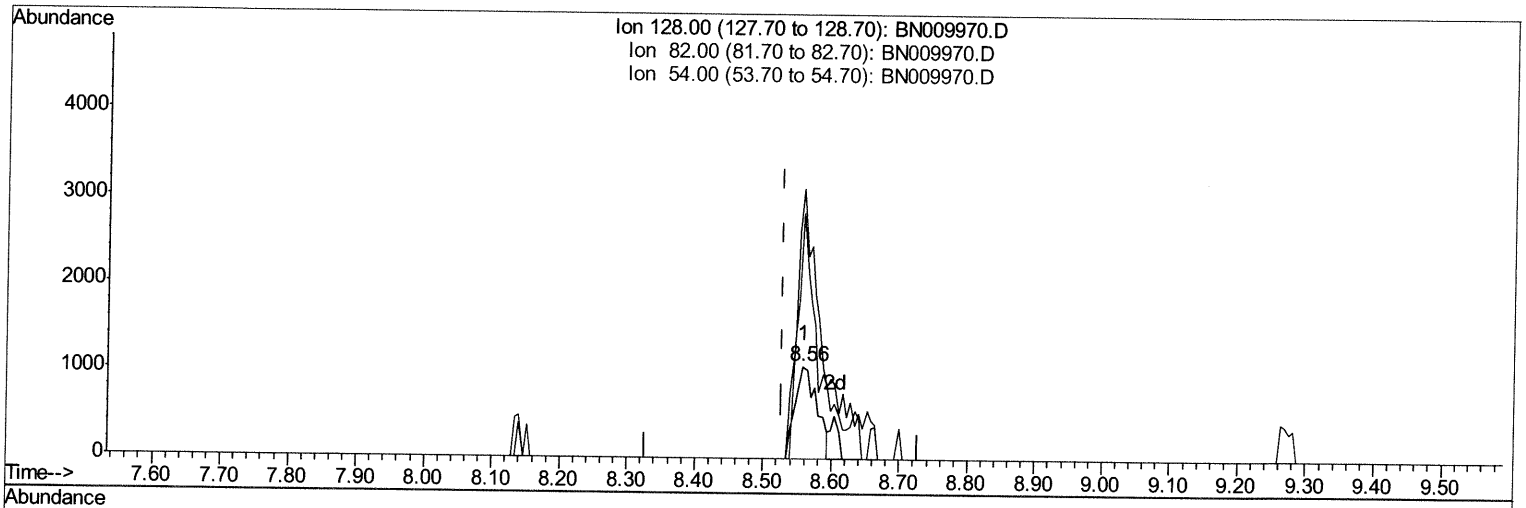

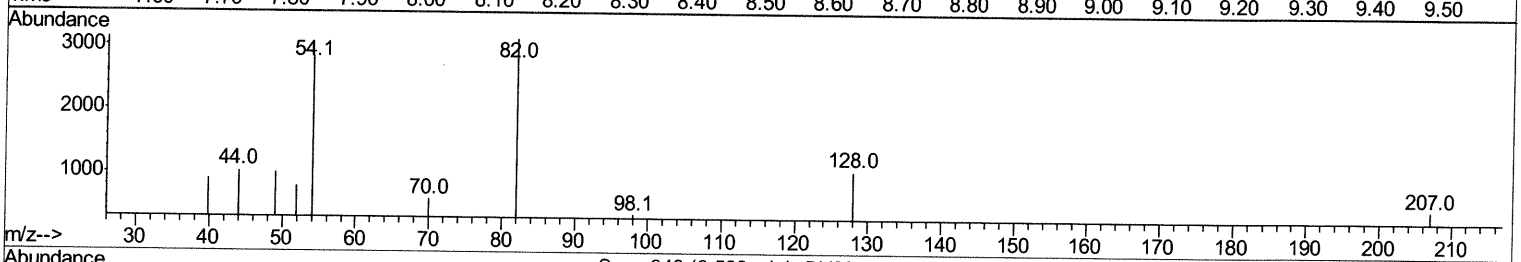

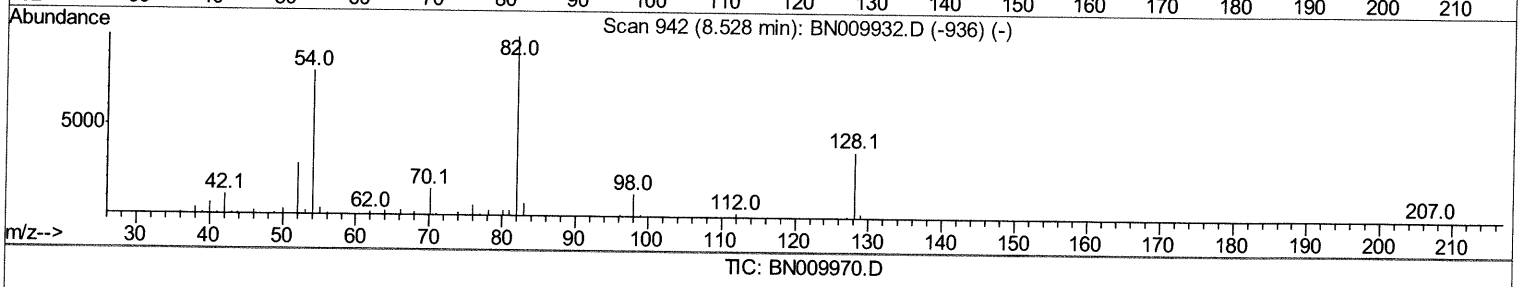

TIC: BN009970.D

(19) Nitrobenzene-d5 (S)

8.558min (+0.030) 0.91ng/ul

response 2351

Ion	Exp%	Act%
128.00	100	100
82.00	271.60	292.47
54.00	200.30	265.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
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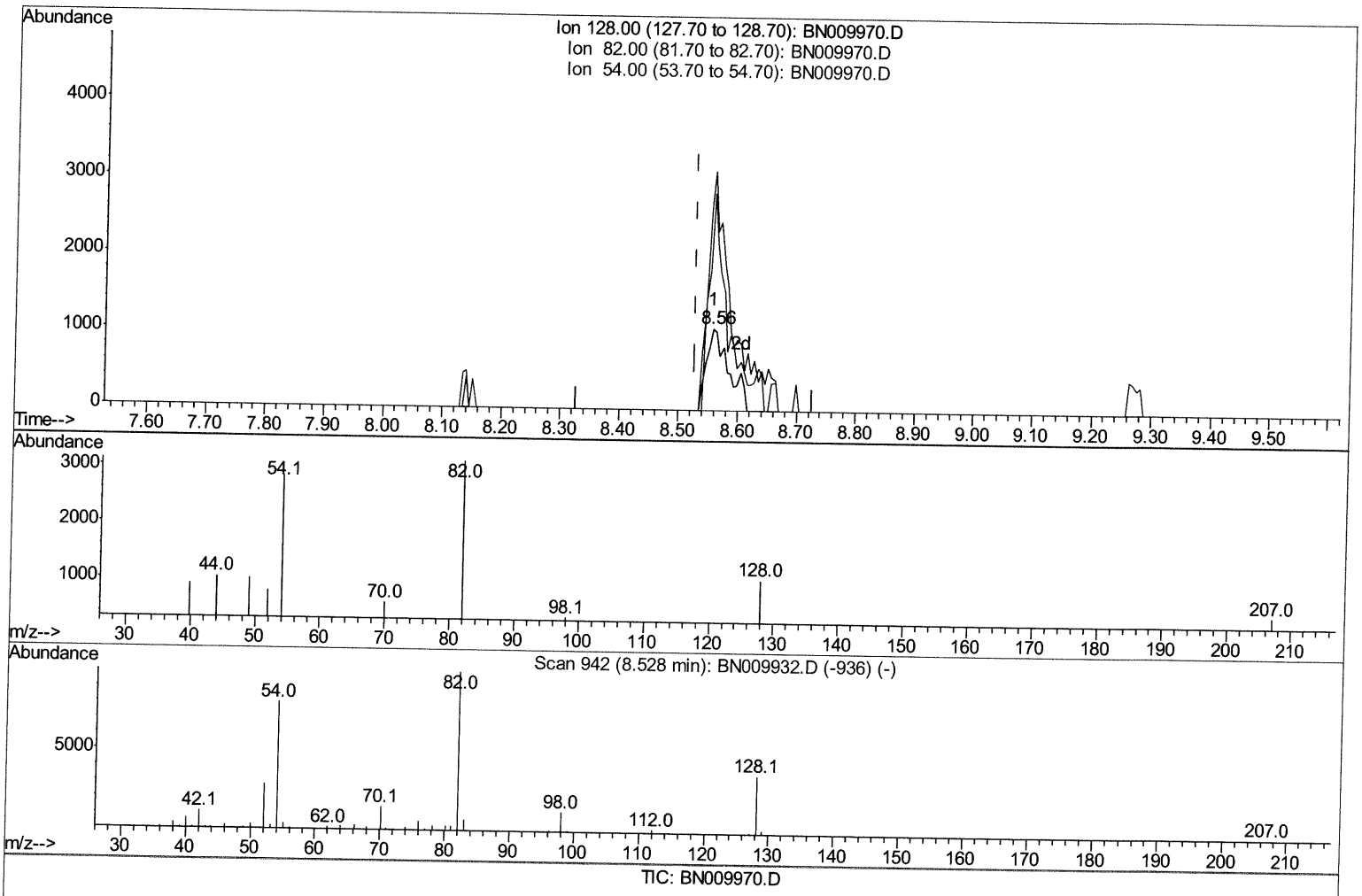

TIC: BN009970.D

(19) Nitrobenzene-d5 (S)

8.558min (+0.030) 1.07ng/ul m JU 02/29/20

response 2753

Ion	Exp%	Act%
128.00	100	100
82.00	271.60	292.47
54.00	200.30	265.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
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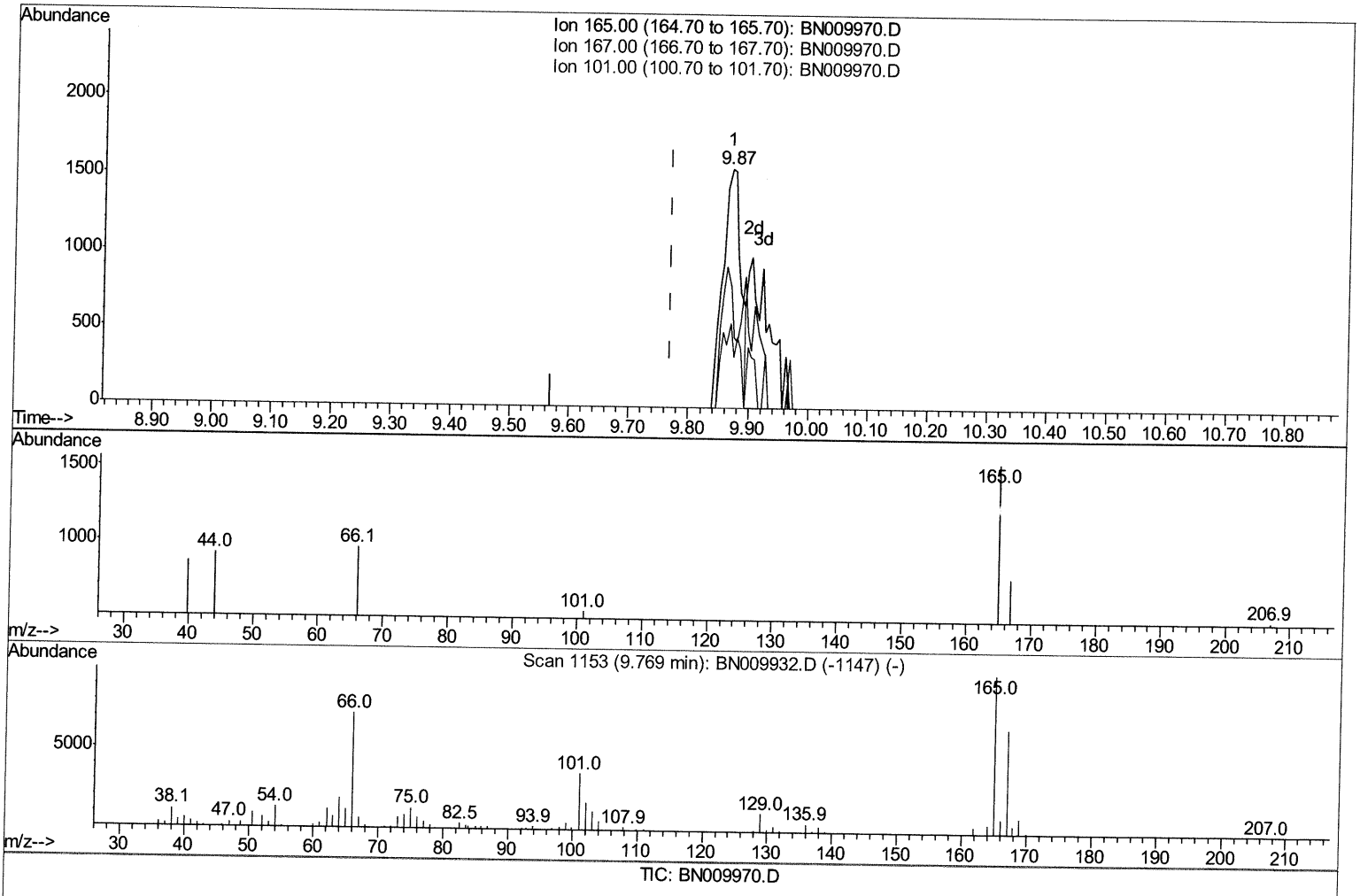

TIC: BN009970.D

(26) 2,4-Dichlorophenol-d3 (S)

9.869min (+0.100) 0.60ng/ul

response 3237

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	50.80#
101.00	36.10	35.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 01:15:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
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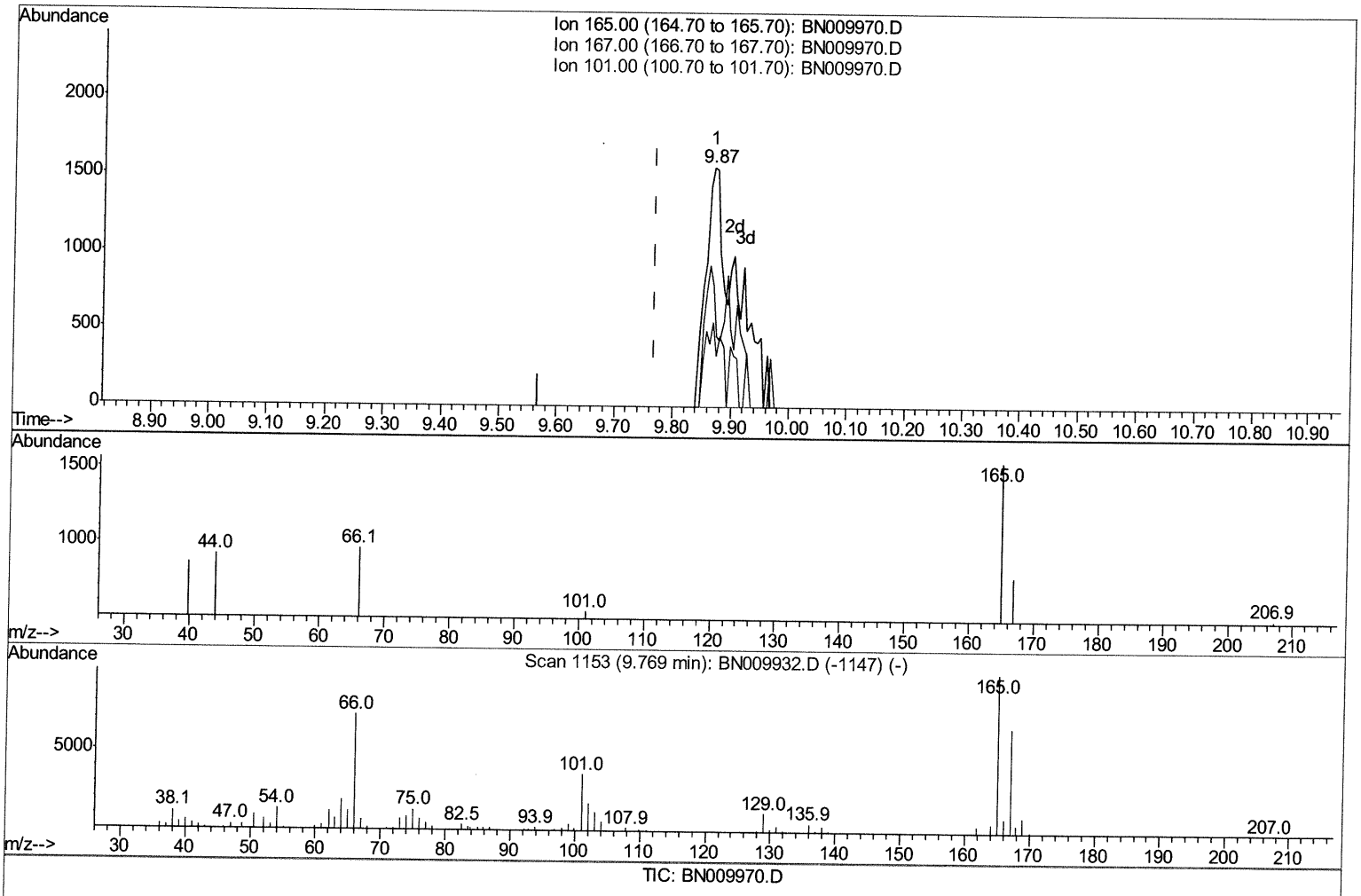


TIC: BN009970.D

(26) 2,4-Dichlorophenol-d3 (S)

9.869min (+0.100) 1.02ng/ul m JU 02/29/20

response 5500

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	50.80#
101.00	36.10	35.37
0.00	0.00	0.00

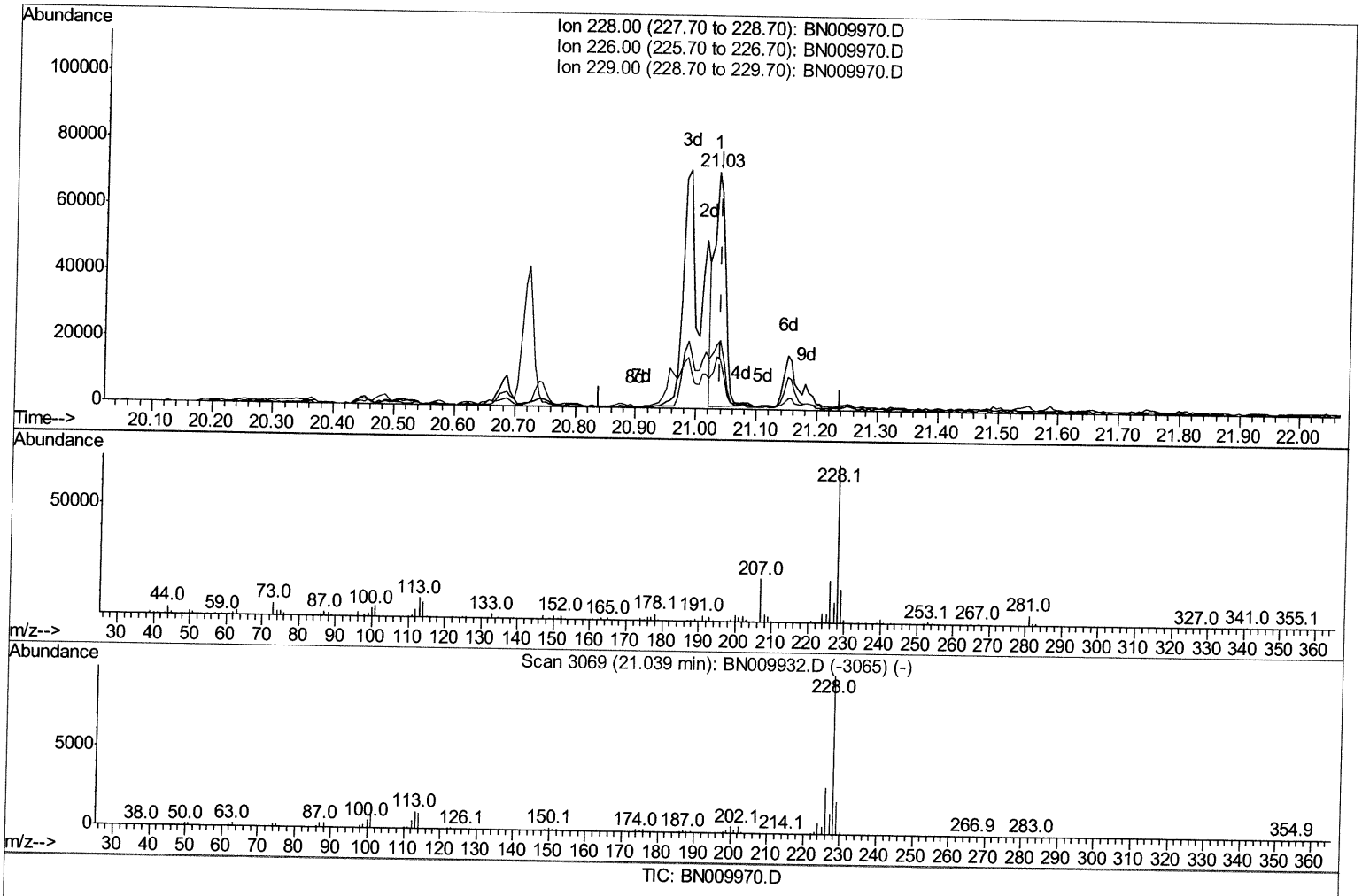
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 02:46:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
2/28/2020 2:39:07 PM



TIC: BN009970.D

(85) Chrysene

21.033min (-0.006) 2.72ng/ul

response 86450

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	27.08
229.00	18.70	21.82
0.00	0.00	0.00

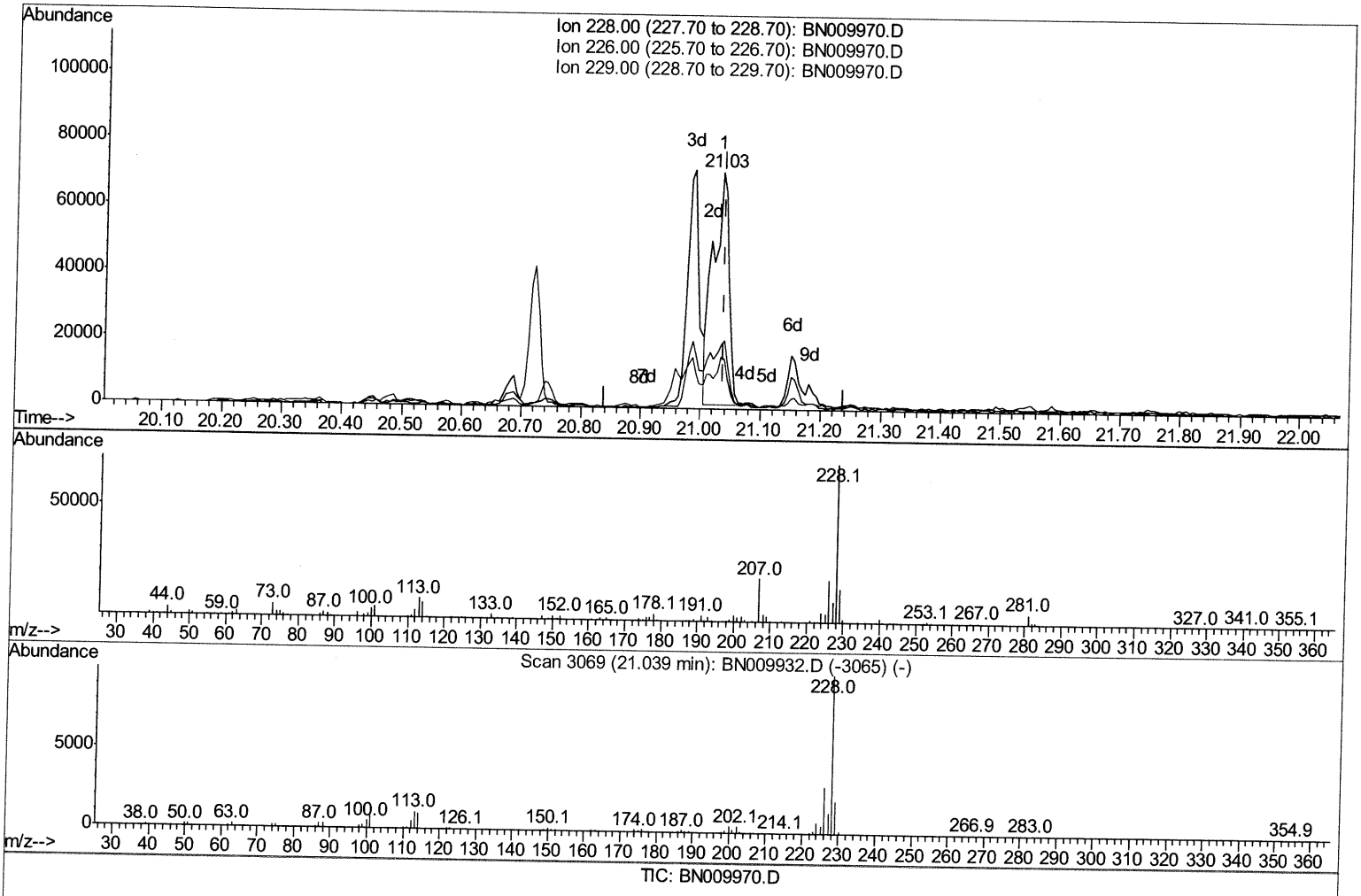
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 02:46:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBDM1DL

Manual Integrations APPROVED
mohammad
2/28/2020 2:39:07 PM



TIC: BN009970.D

(85) Chrysene

21.033min (-0.006) 4.15ng/ul m JU02/29/20

response 131679

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	27.08
229.00	18.70	21.82
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Feb 28 02:48:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : DBDM1DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	80790	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	351445	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	225447	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	483128	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	469246	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	518240	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.63	99	6388m	0.93	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	6.76	67	7036m	1.48	ng/ul	0.01
9) 2-Chlorophenol-d4	6.93	132	6104m	1.18	ng/ul	0.00 JU 02/29/20
13) 4-Methylphenol-d8	8.14	113	5526m	1.01	ng/ul	0.04
19) Nitrobenzene-d5	8.56	128	2753m	1.07	ng/ul	0.03
22) 2-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	9.87	165	5500m >	1.02	ng/ul >	0.10 JU 02/29/20
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.47	166	23797	1.41	ng/ul	0.02
47) Acenaphthylene-d8	13.72	160	25866	1.30	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.03	176	23512	1.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	16.87	188	35931	1.62	ng/ul	0.00
79) Pyrene-d10	19.19	212	42327	1.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	44171	1.71	ng/ul	0.00
Target Compounds						Qvalue
70) Phenanthrene	16.82	178	47399	1.719	ng/ul	98
72) Anthracene	16.92	178	1122715	39.832	ng/ul	99
75) Carbazole	17.20	167	127819	5.149	ng/ul	98
77) Fluoranthene	18.86	202	74499	2.307	ng/ul	96
80) Pyrene	19.22	202	124922	3.693	ng/ul	99
83) Benzo(a)anthracene	20.99	228	99645	3.090	ng/ul	96
85) Chrysene	21.03	228	131679m >	4.148	ng/ul >	JU 02/29/20
88) Benzo(b)fluoranthene	22.49	252	501194	14.916	ng/ul	100
89) Benzo(k)fluoranthene	22.52	252	111283	3.498	ng/ul	98
91) Benzo(a)pyrene	23.01	252	220646	7.301	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.13	276	161741	4.508	ng/ul	94
93) Dibenzo(a,h)anthracene	25.14	278	42317	1.379	ng/ul#	81
94) Benzo(g,h,i)perylene	25.76	276	97290	3.234	ng/ul	97

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