

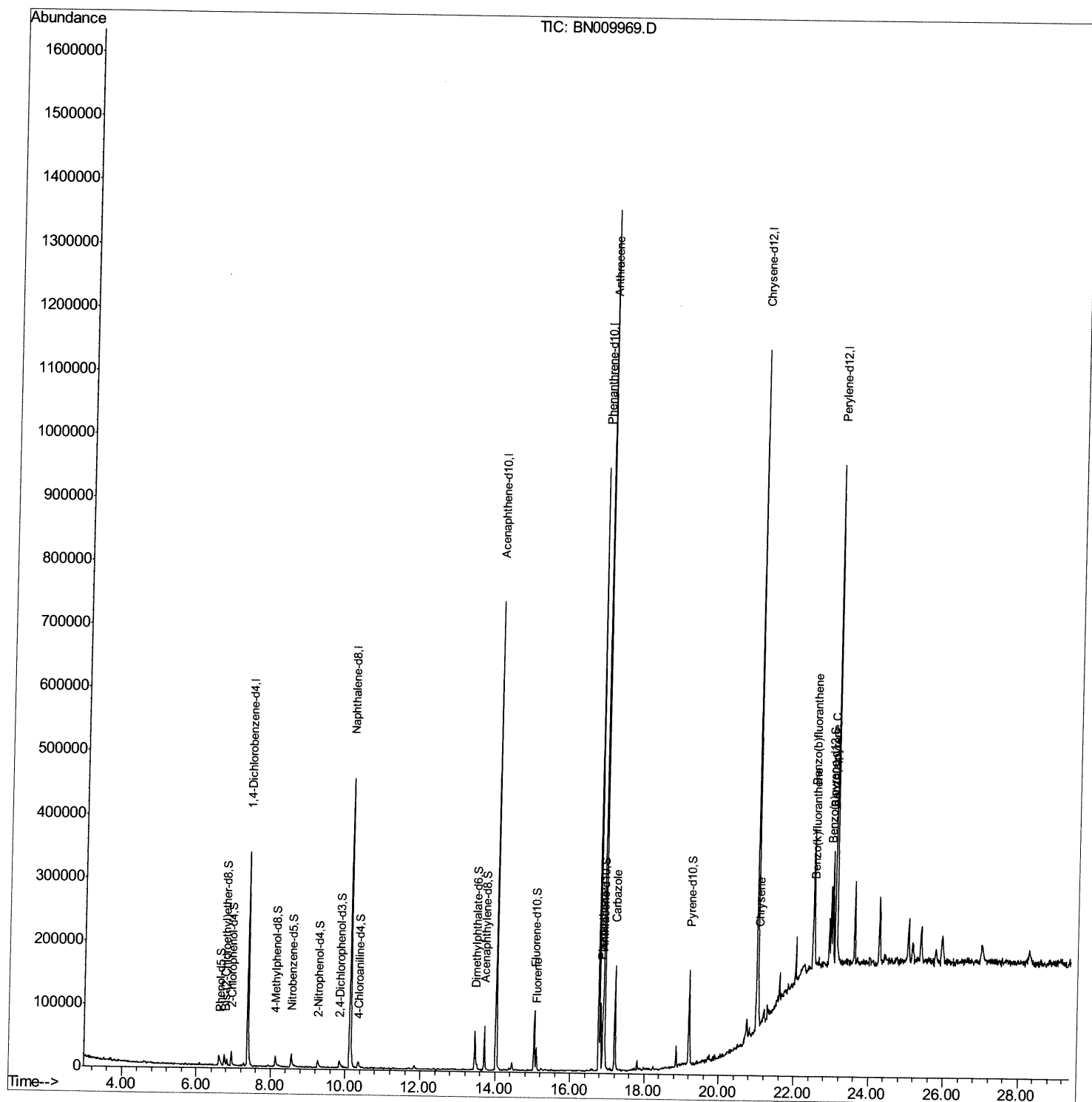
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022620\
Data File : BN009969.D
Acq On : 27 Feb 2020 18:17
Operator : CG/JU
Sample : L1543-19DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleID :
DBDA1DL

Manual Integrations
APPROVED

mohammad
2/28/2020 2:39:00 PM

Quant Time: Feb 28 02:07:55 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



Quantitation Report (Qedit)

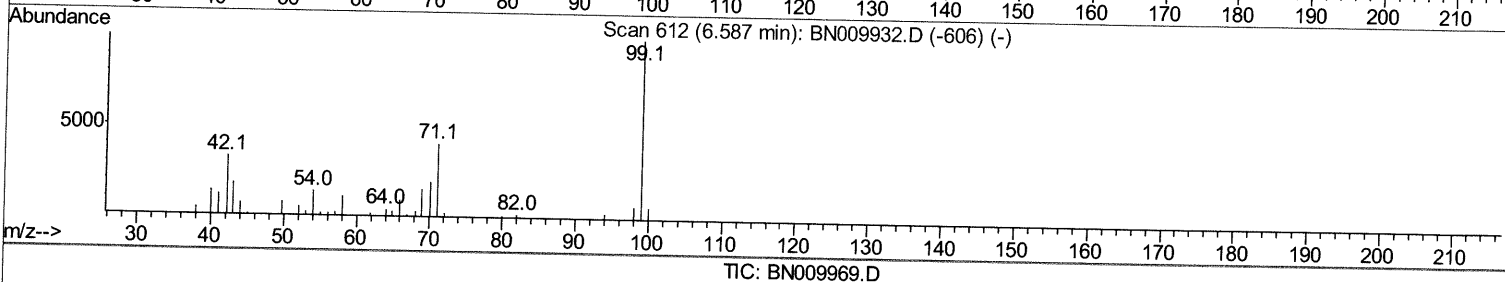
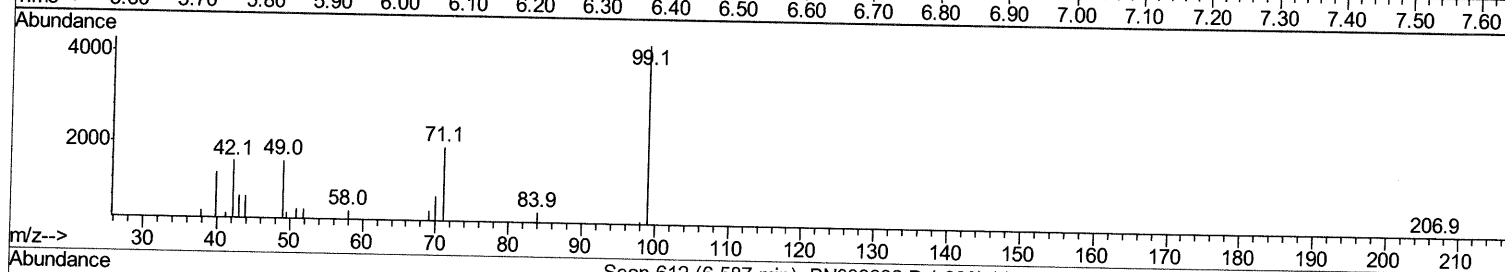
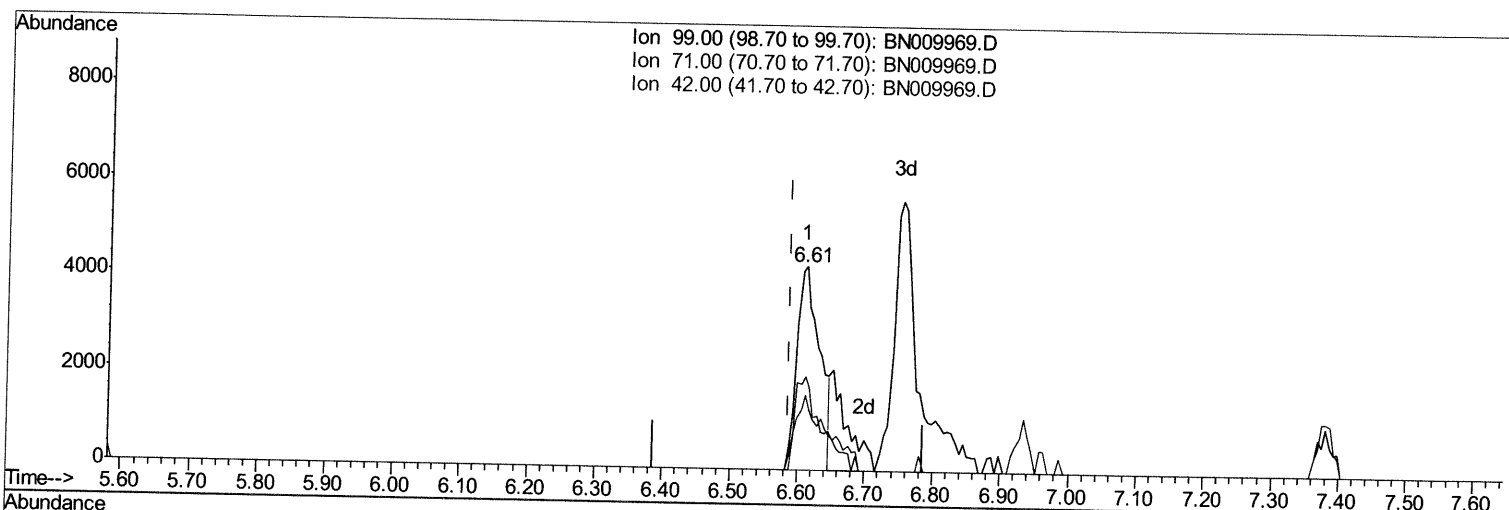
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022620\
Data File : BN009969.D
Acq On : 27 Feb 2020 18:17
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ClientSampleId :
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Manual Integrations
APPROVED

mohammad
2/28/2020 2:39:00 PM

Quant Time: Feb 28 01:15:35 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
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TIC: BN009969.D

(5) Phenol-d5 (S)

6.611min (+0.024) 1.41ng/ul

response 10181

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	45.68
42.00	28.80	37.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

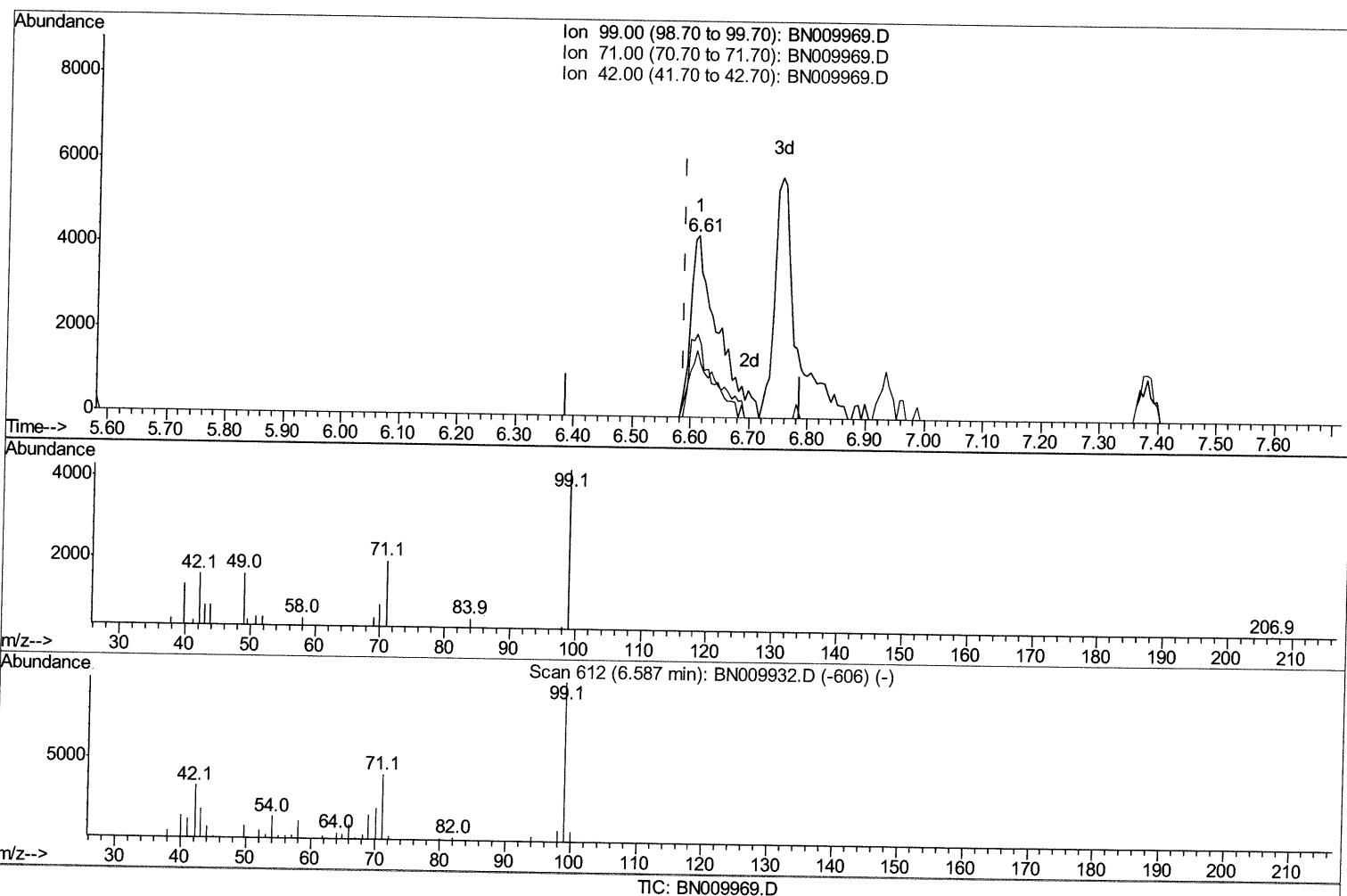
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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Quant Time: Feb 28 01:15:35 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



(5) Phenol-d5 (S)

6.611min (+0.024) 1.92ng/ul m *Ju 02/29/20*

response 13850

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	45.68
42.00	28.80	37.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

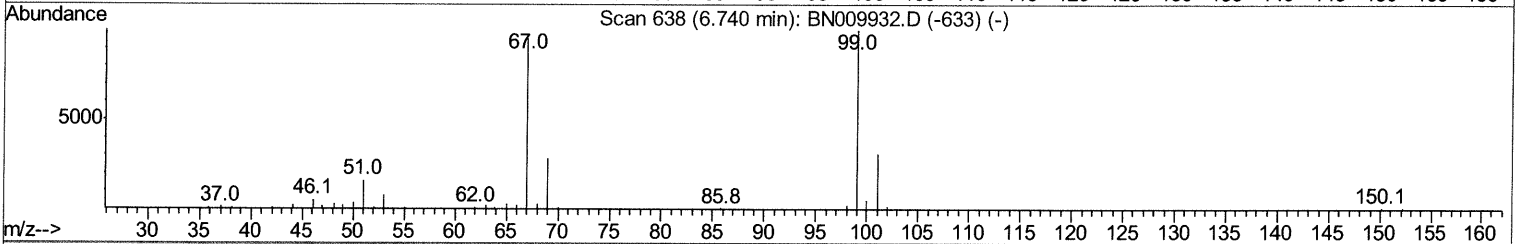
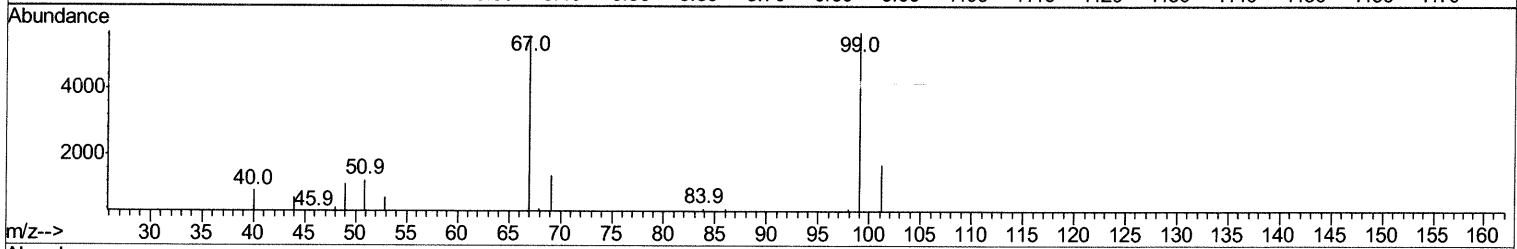
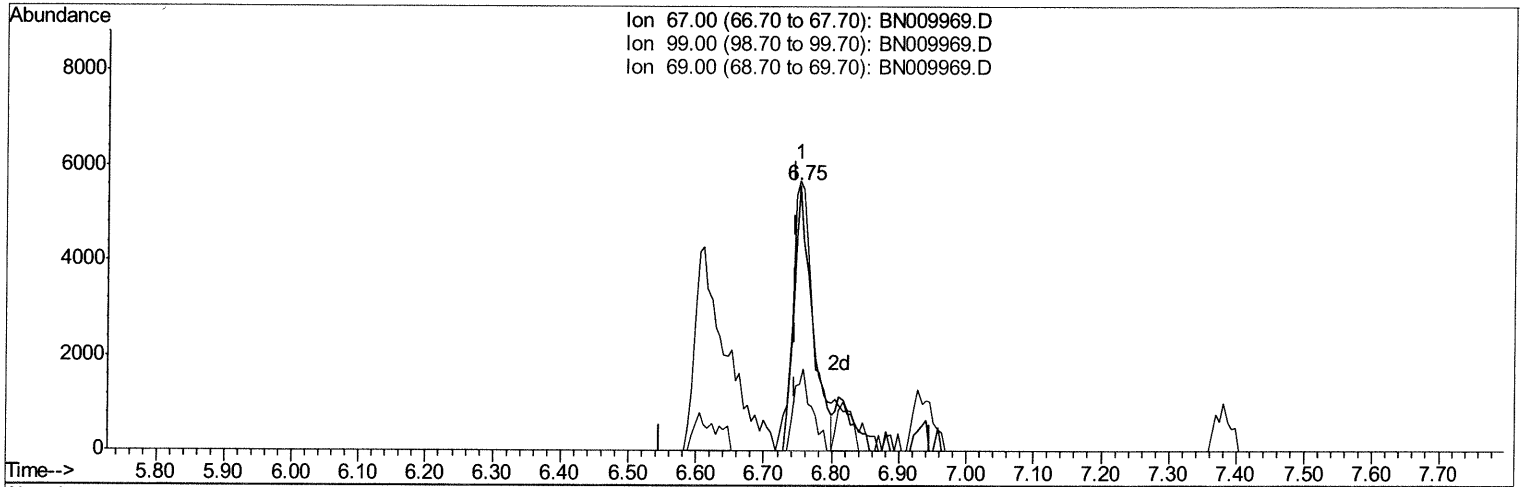
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
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 Acq On : 27 Feb 2020 18:17
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 Sample : L1543-19DL 5X
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 ALS Vial : 50 Sample Multiplier: 1

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 ClientSampleId :
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Manual Integrations
 APPROVED

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TIC: BN009969.D

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

6.752min (+0.006) 2.15ng/ul

response 10711

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	101.83
69.00	28.30	25.04
0.00	0.00	0.00

Quantitation Report (Qedit)

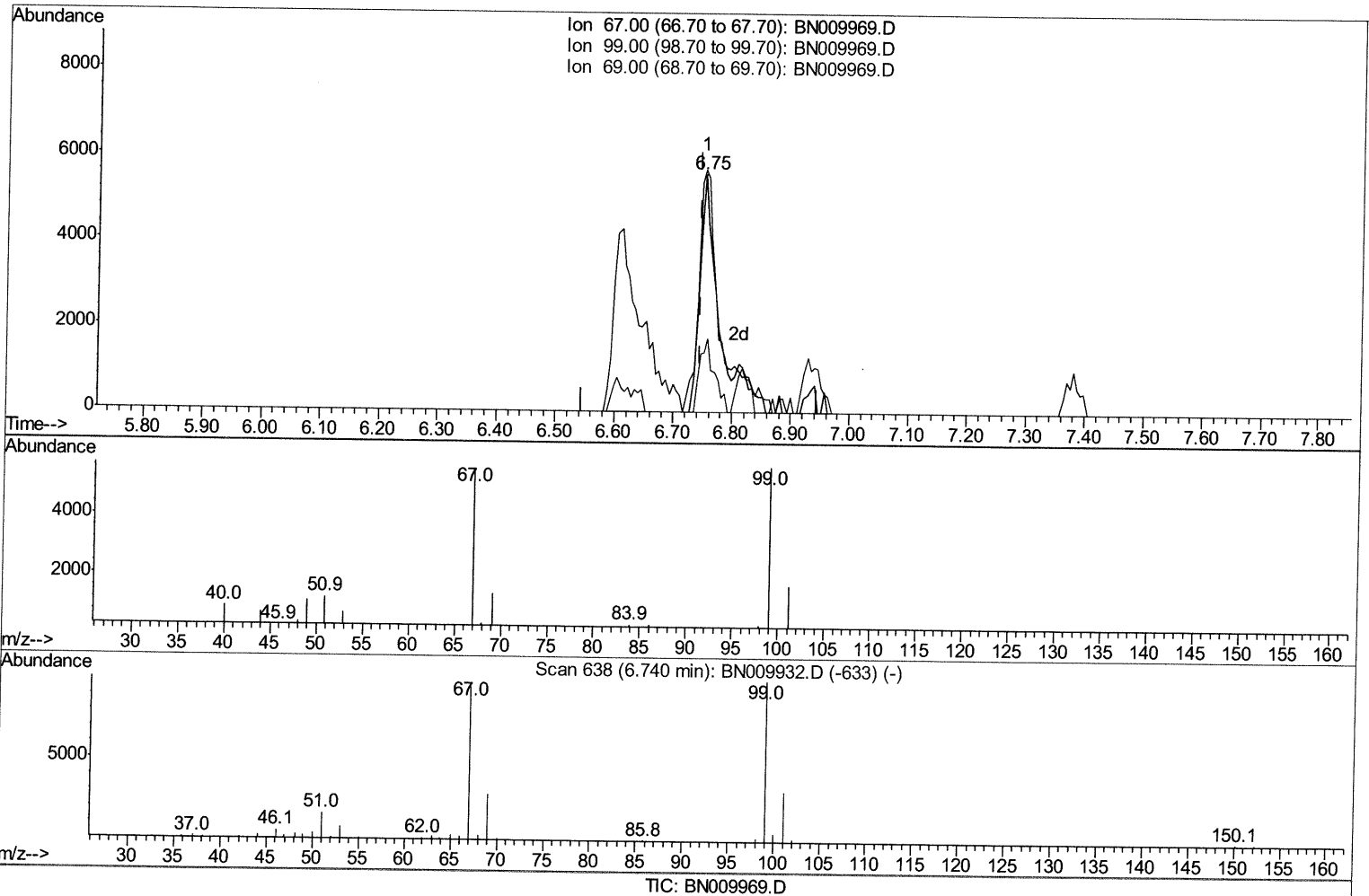
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 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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 Response via : Initial Calibration



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

6.752min (+0.006) 2.59ng/ul m JU 02/29/20

response 12879

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	101.83
69.00	28.30	25.04
0.00	0.00	0.00

Quantitation Report (Qedit)

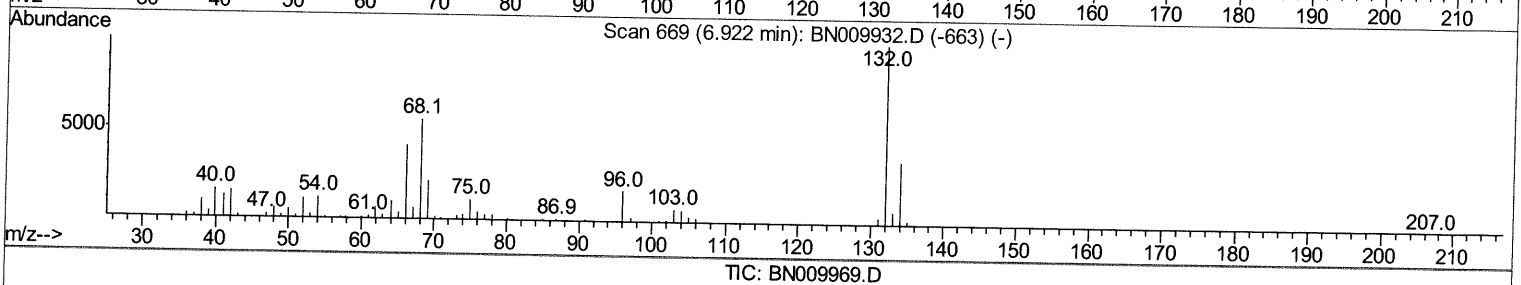
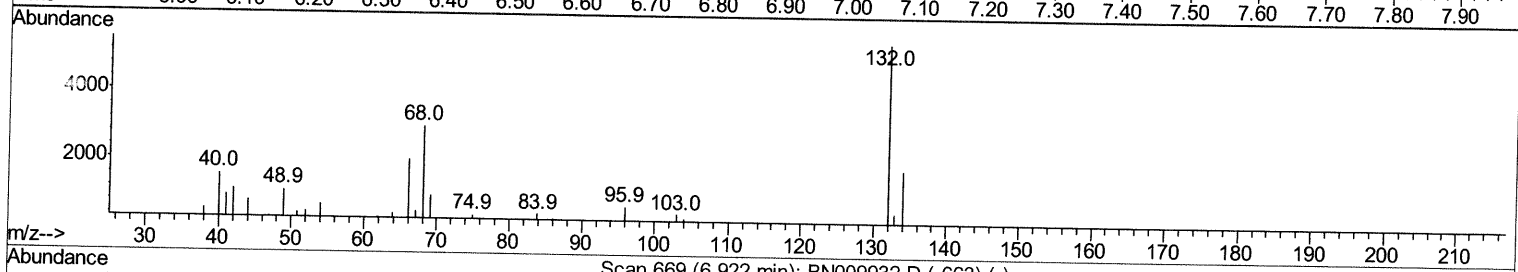
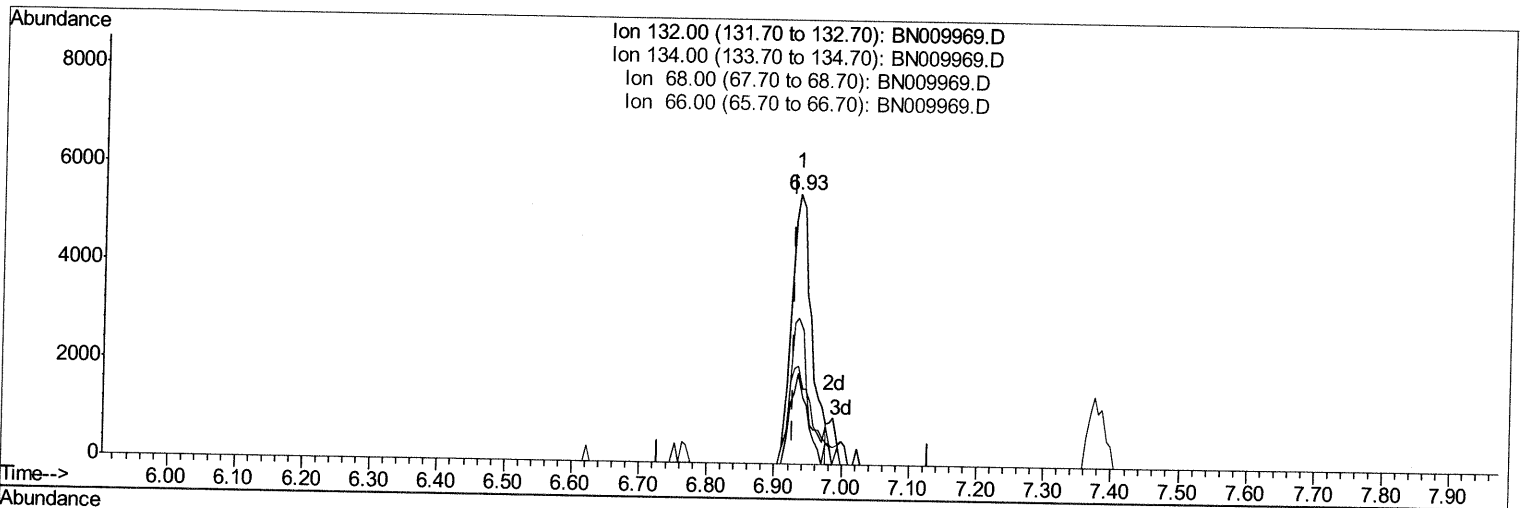
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
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(9) 2-Chlorophenol-d4 (S)

6.934min (+0.006) 2.11ng/ul

response 11468

Ion	Exp%	Act%
132.00	100	100
134.00	32.10	33.63
68.00	48.60	54.20
66.00	37.30	36.30

Quantitation Report (Qedit)

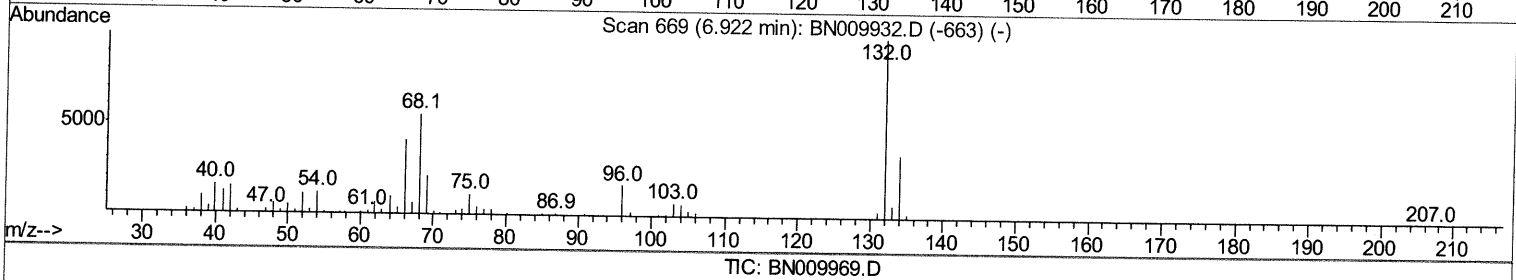
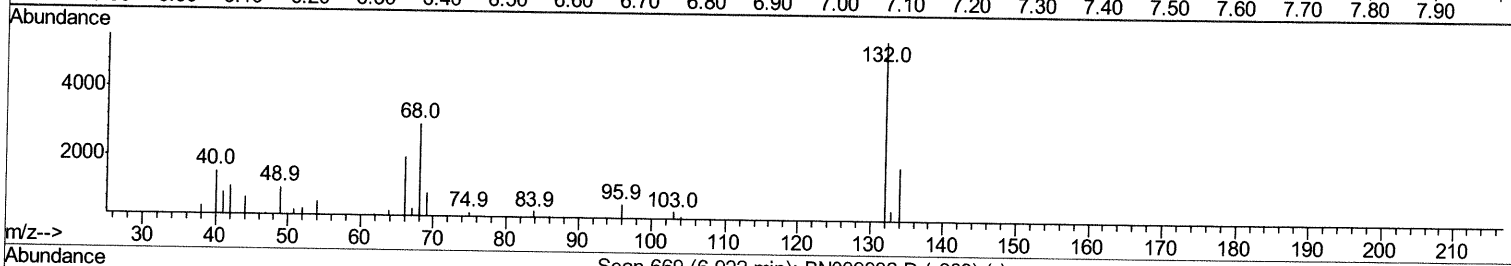
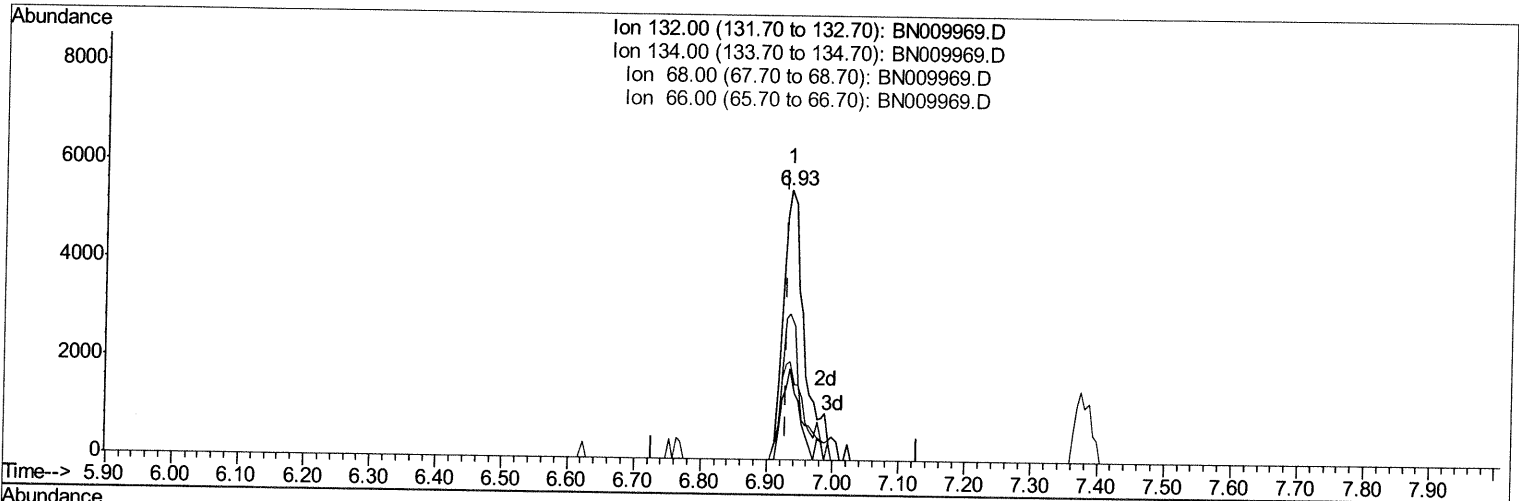
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
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Quant Time: Feb 28 01:15:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



TIC: BN009969.D

(9) 2-Chlorophenol-d4 (S)

6.934min (+0.006) 2.31ng/ul m **JU 02/29/20**

response 12546

Ion	Exp%	Act%
132.00	100	100
134.00	32.10	33.63
68.00	48.60	54.20
66.00	37.30	36.30

Quantitation Report (Qedit)

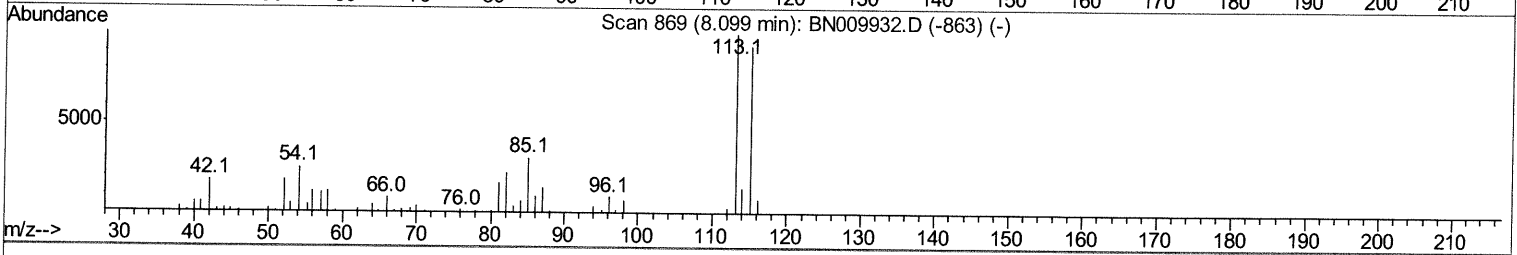
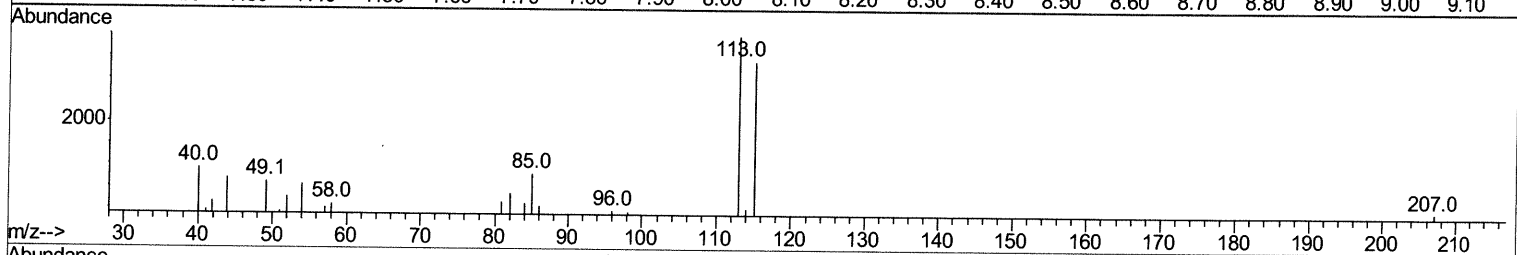
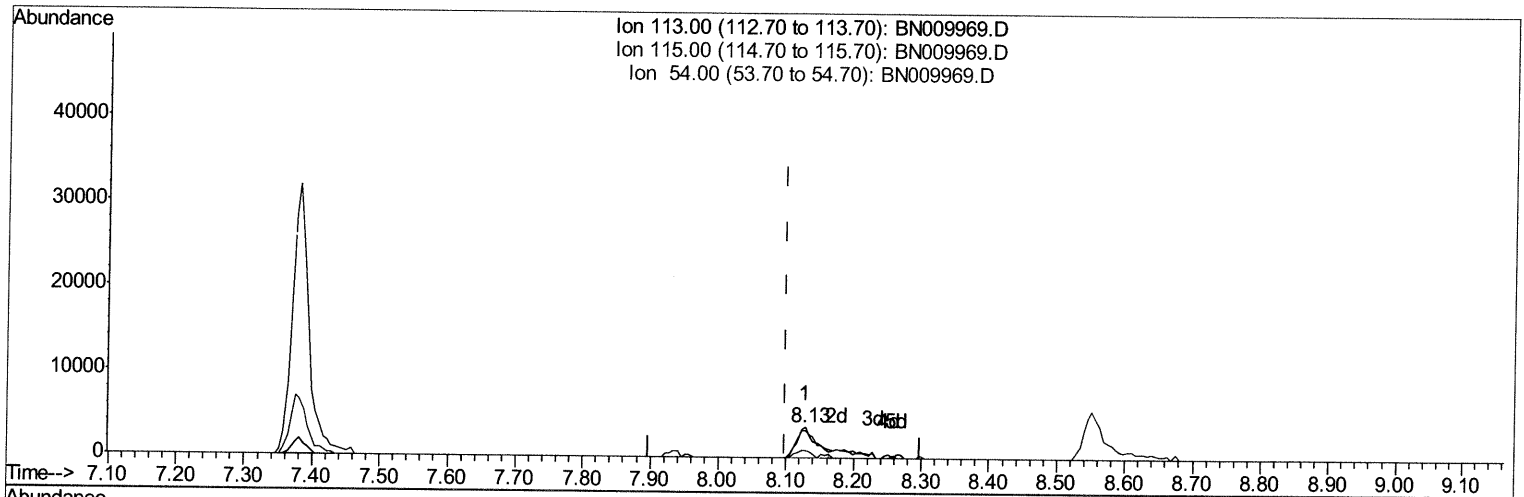
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

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TIC: BN009969.D

(13) 4-Methylphenol-d8 (S)

8.128min (+0.030) 1.23ng/ul

response 7057

Ion	Exp%	Act%
113.00	100	100
115.00	90.70	86.68
54.00	21.20	23.56
0.00	0.00	0.00

Quantitation Report (Qedit)

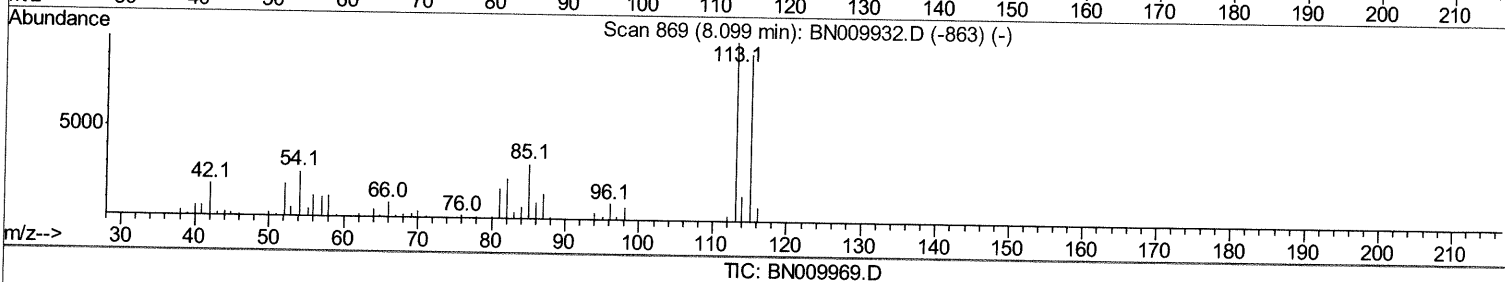
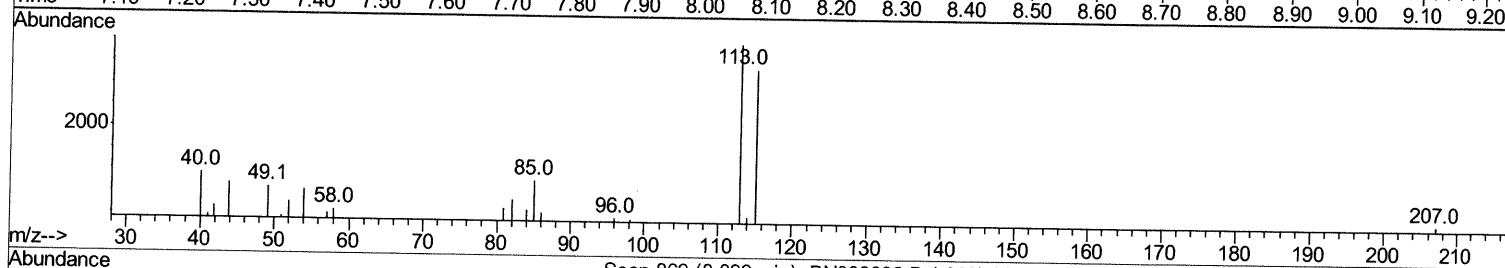
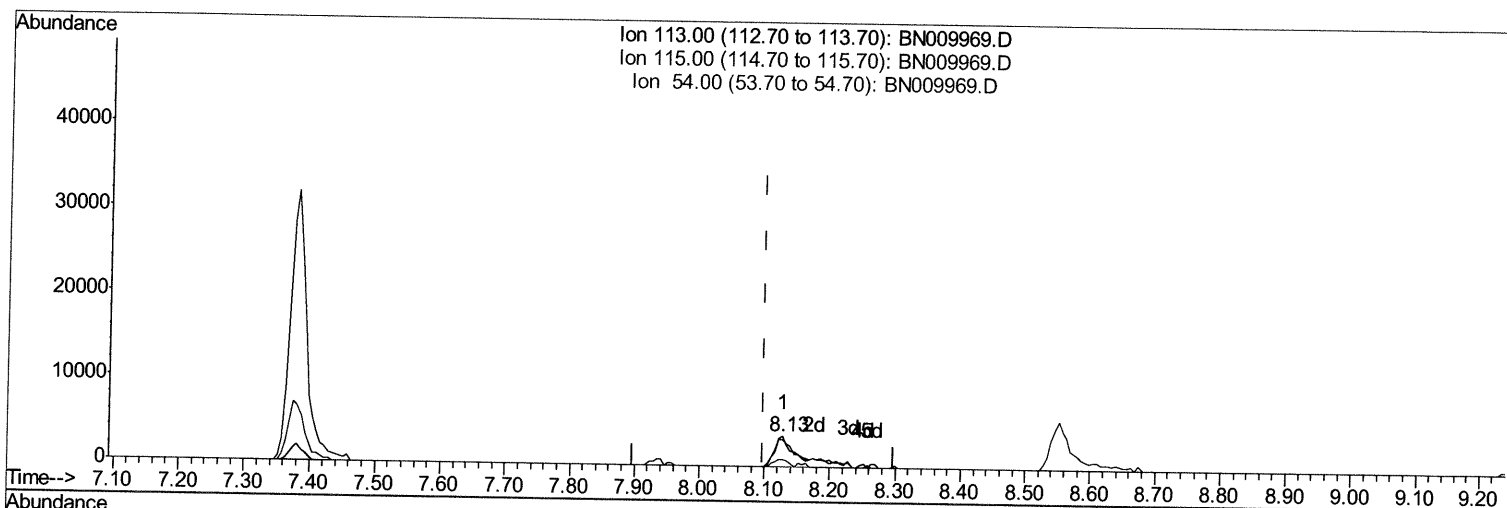
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Data File : BN009969.D
Acq On : 27 Feb 2020 18:17
Operator : CG/JU
Sample : L1543-19DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBDA1DL

Manual Integrations
APPROVED

mohammad
2/28/2020 2:39:00 PM

Quant Time: Feb 28 01:15:35 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



(13) 4-Methylphenol-d8 (S)

8.128min (+0.030) 1.72ng/ul m JU 02/29/20

response 9867

Ion	Exp%	Act%
113.00	100	100
115.00	90.70	86.68
54.00	21.20	23.56
0.00	0.00	0.00

Quantitation Report (Qedit)

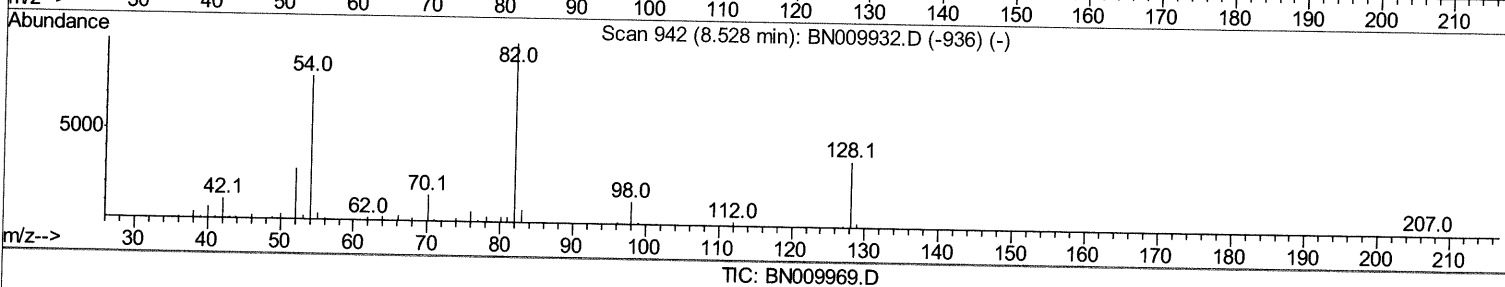
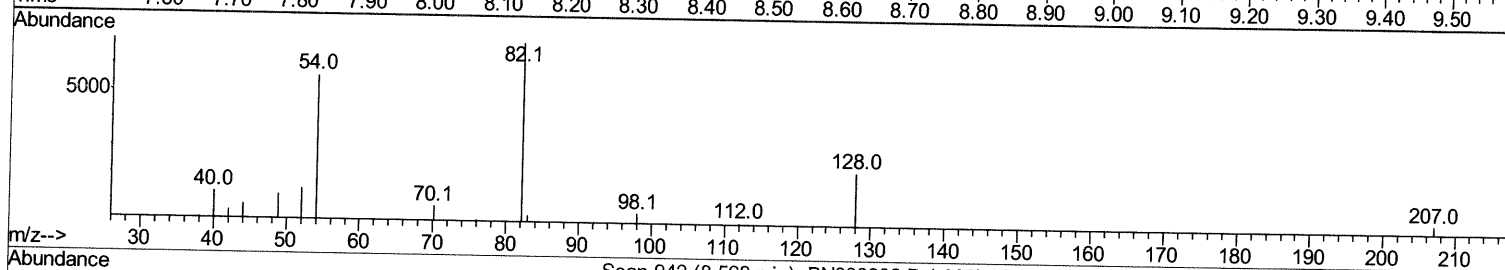
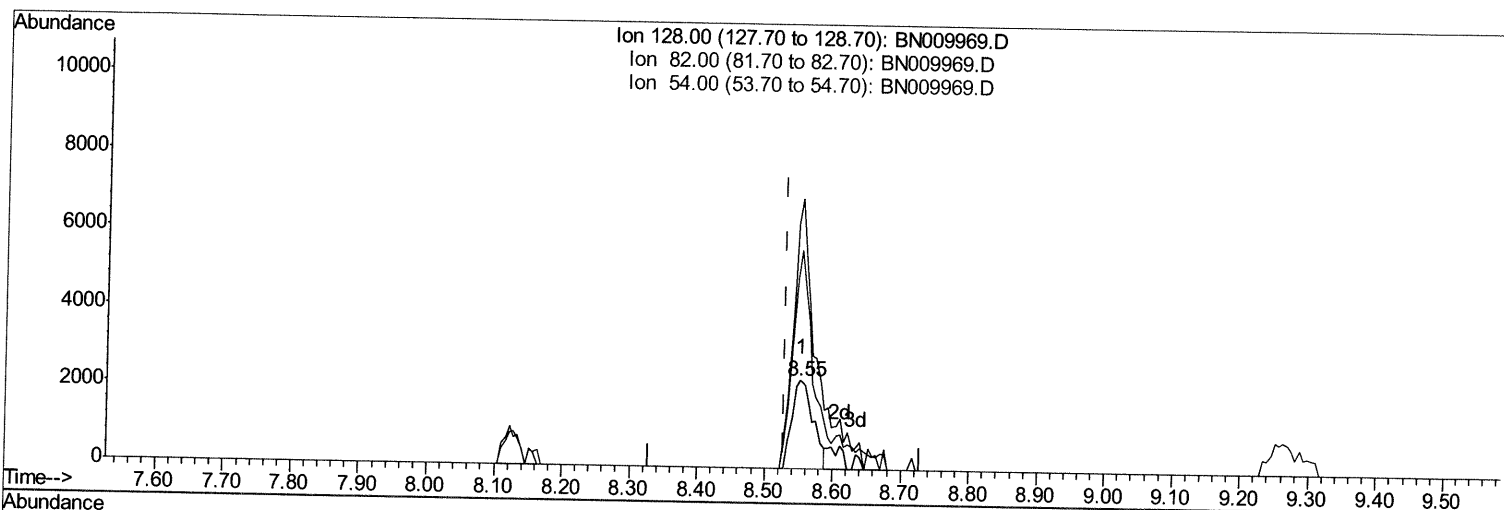
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 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:39:00 PM

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(19) Nitrobenzene-d5 (S)

8.552min (+0.024) 1.84ng/ul

response 4861

Ion	Exp%	Act%
128.00	100	100
82.00	271.60	305.66
54.00	200.30	247.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

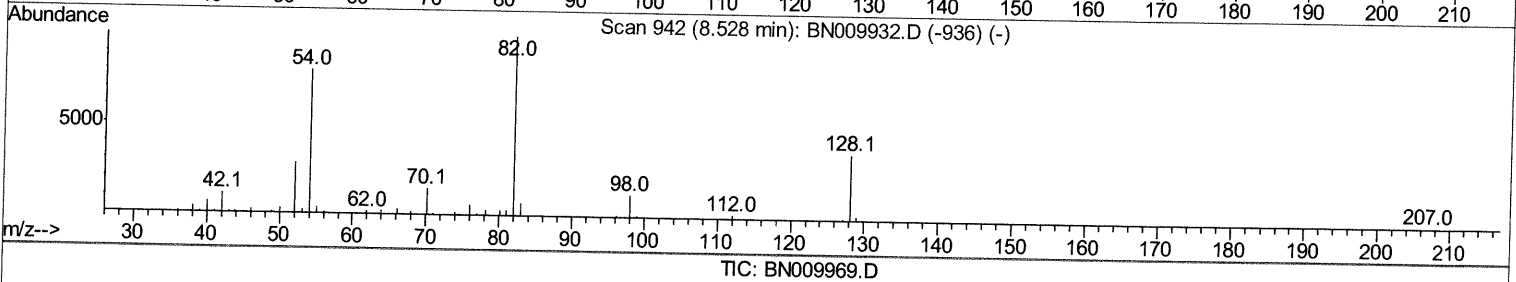
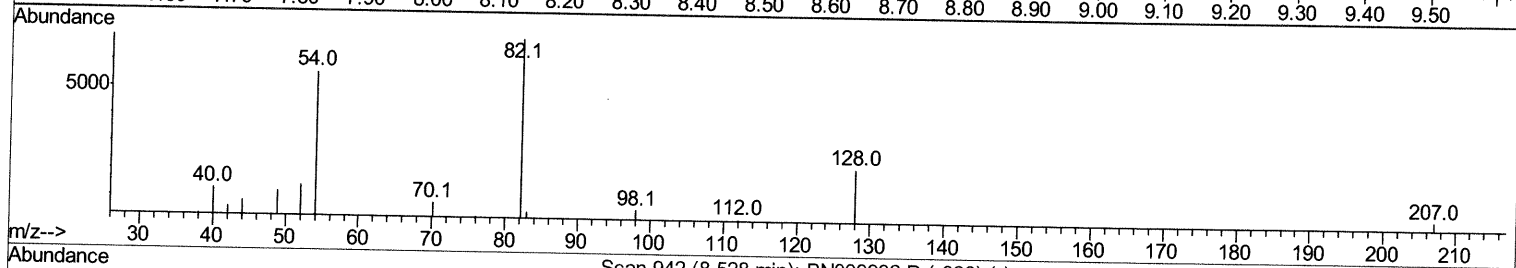
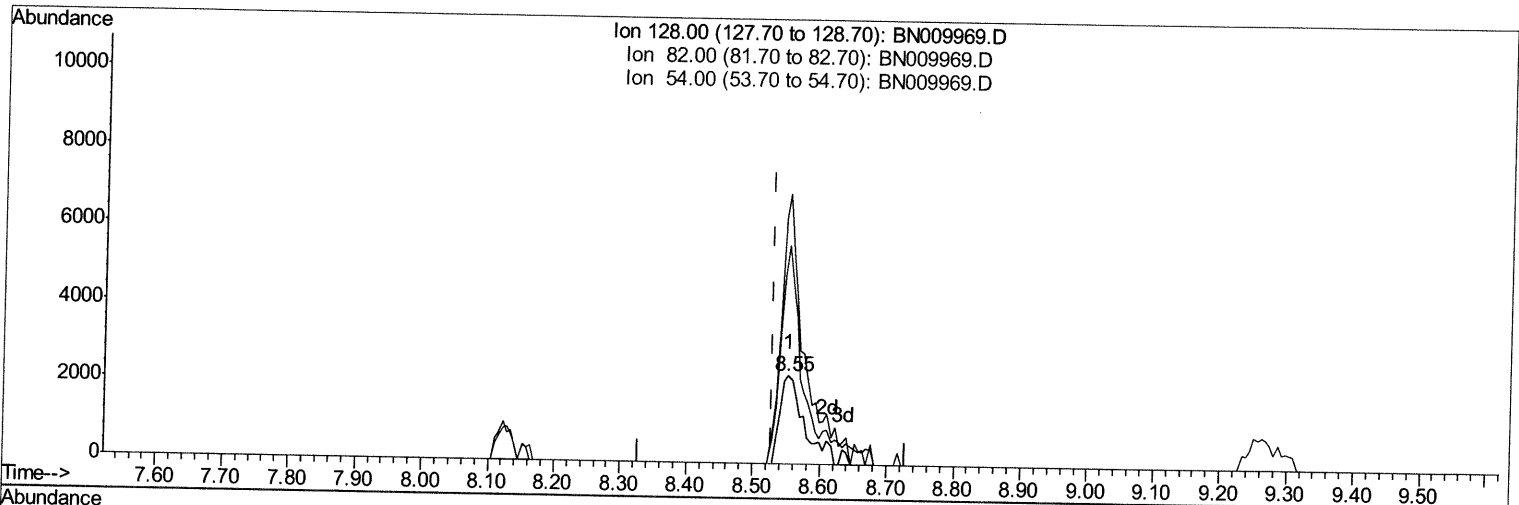
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:39:00 PM

Quant Time: Feb 28 01:15:35 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



(19) Nitrobenzene-d5 (S)

8.552min (+0.024) 2.17ng/ul m *JU 02/29/20*

response 5744

Ion	Exp%	Act%
128.00	100	100
82.00	271.60	305.66
54.00	200.30	247.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

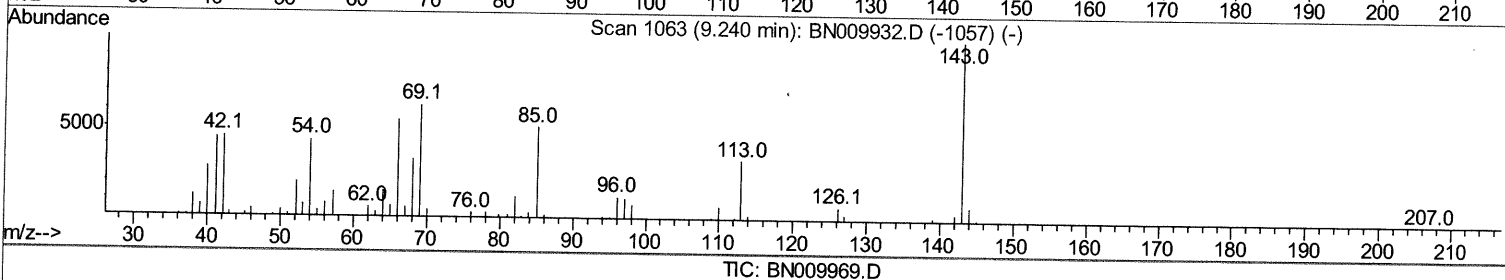
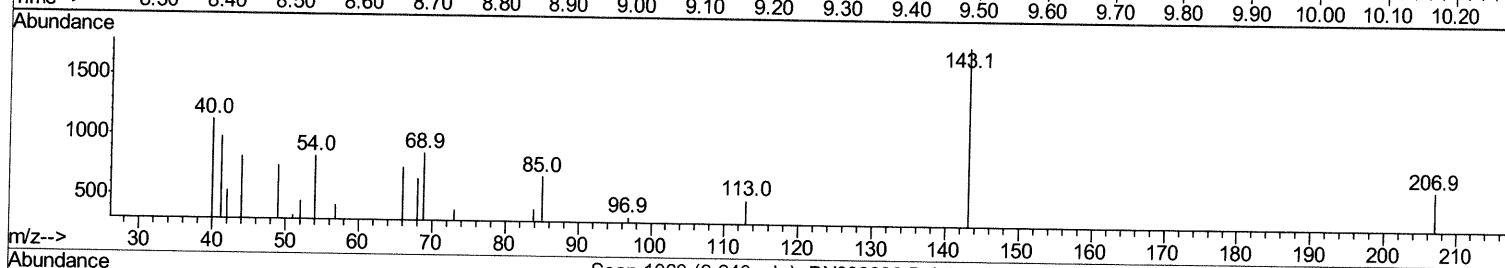
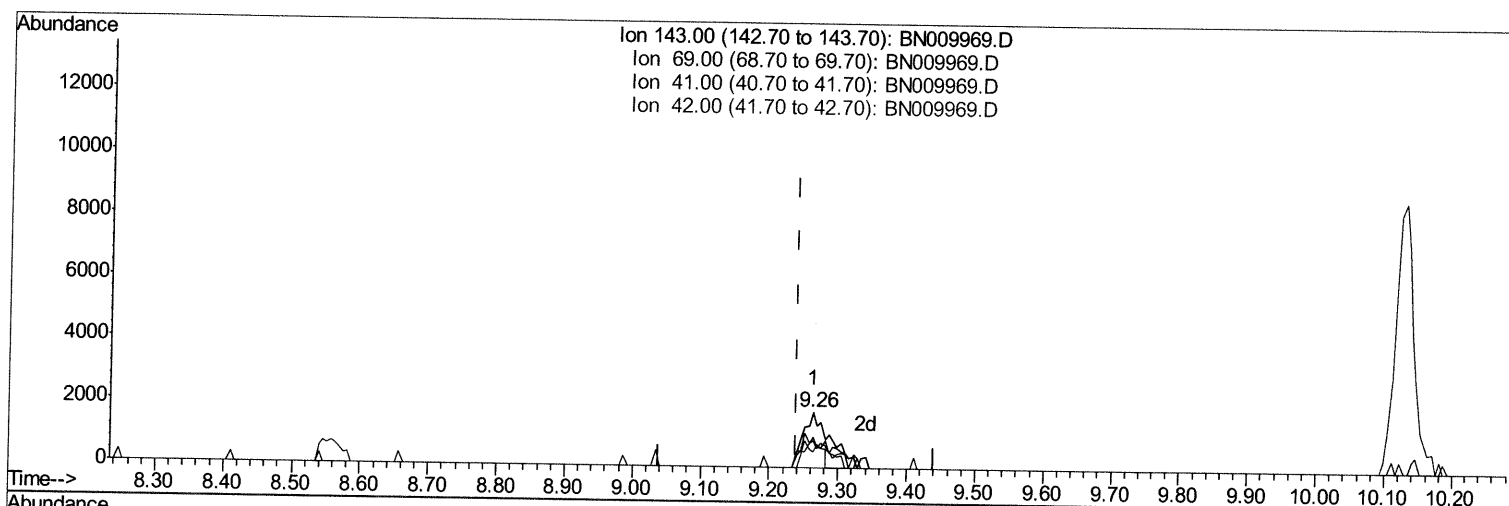
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009969.D
Acq On : 27 Feb 2020 18:17
Operator : CG/JU
Sample : L1543-19DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
DBDA1DL

Manual Integrations
APPROVED

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TIC: BN009969.D

(22) 2-Nitrophenol-d4 (S)

9.263min (+0.024) 1.17ng/ul

response 3390

Ion	Exp%	Act%
143.00	100	100
69.00	60.40	47.99#
41.00	36.00	55.15#
42.00	42.10	29.70#

Quantitation Report (Qedit)

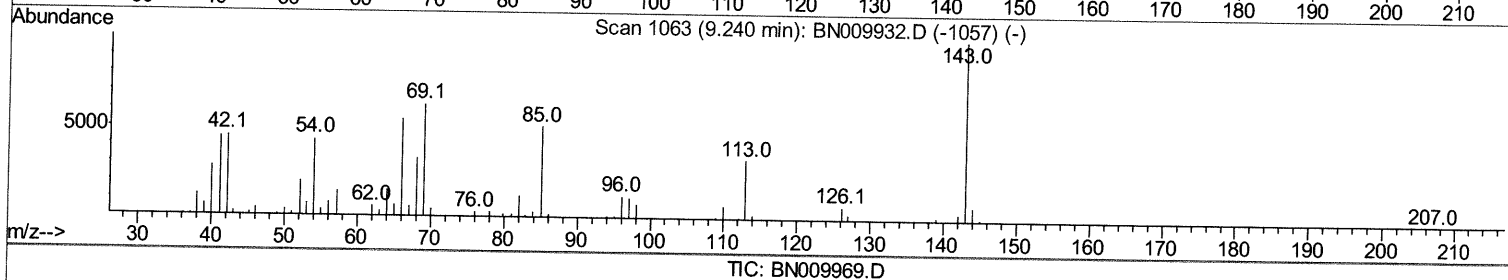
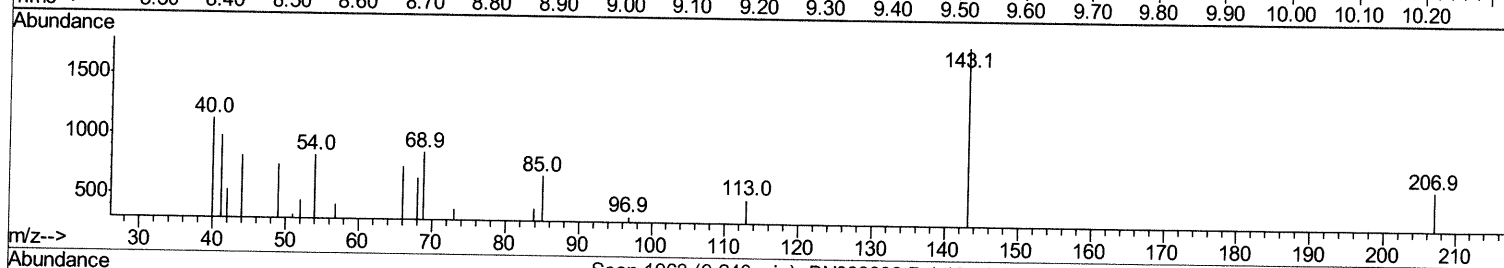
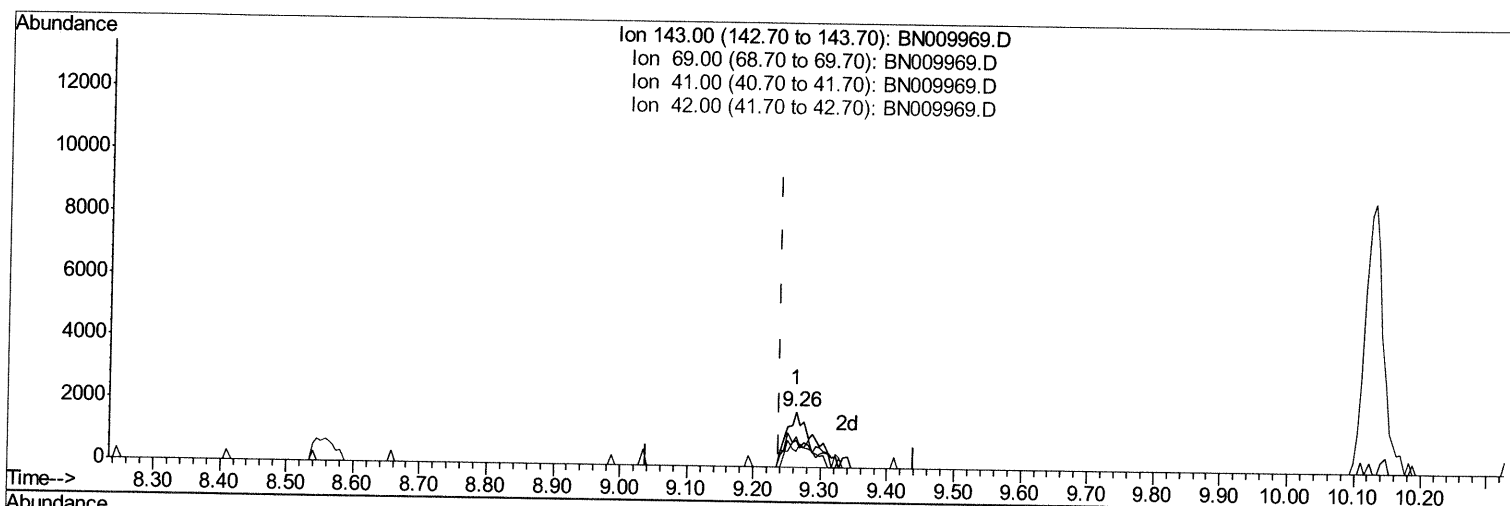
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Data File : BN009969.D
Acq On : 27 Feb 2020 18:17
Operator : CG/JU
Sample : L1543-19DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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(22) 2-Nitrophenol-d4 (S)

9.263min (+0.024) 1.73ng/ul m JU 02/29/20

response 4993

Ion	Exp%	Act%
143.00	100	100
69.00	60.40	47.99#
41.00	36.00	55.15#
42.00	42.10	29.70#

Quantitation Report (Qedit)

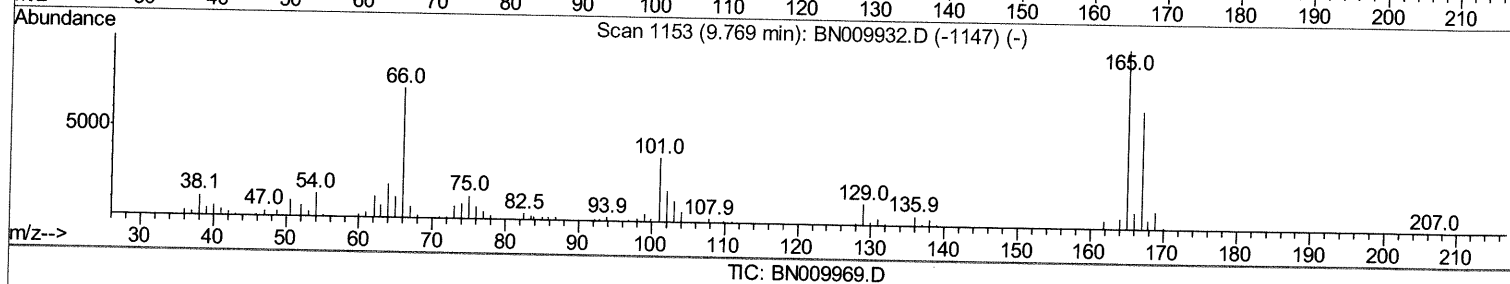
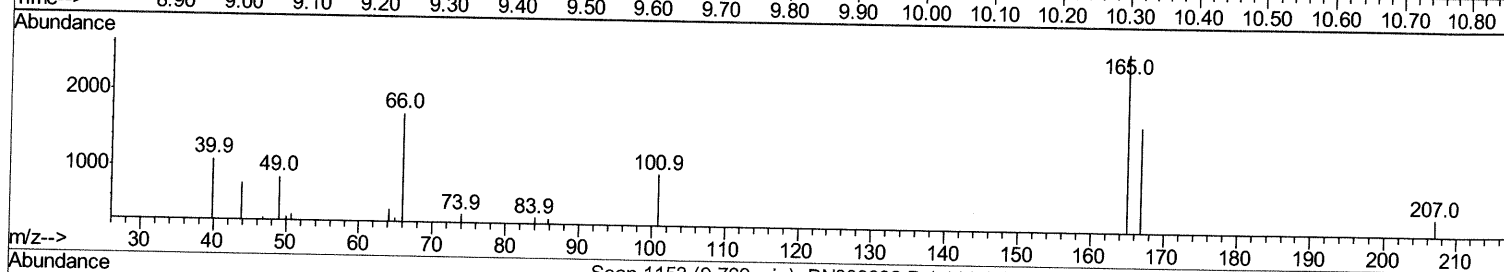
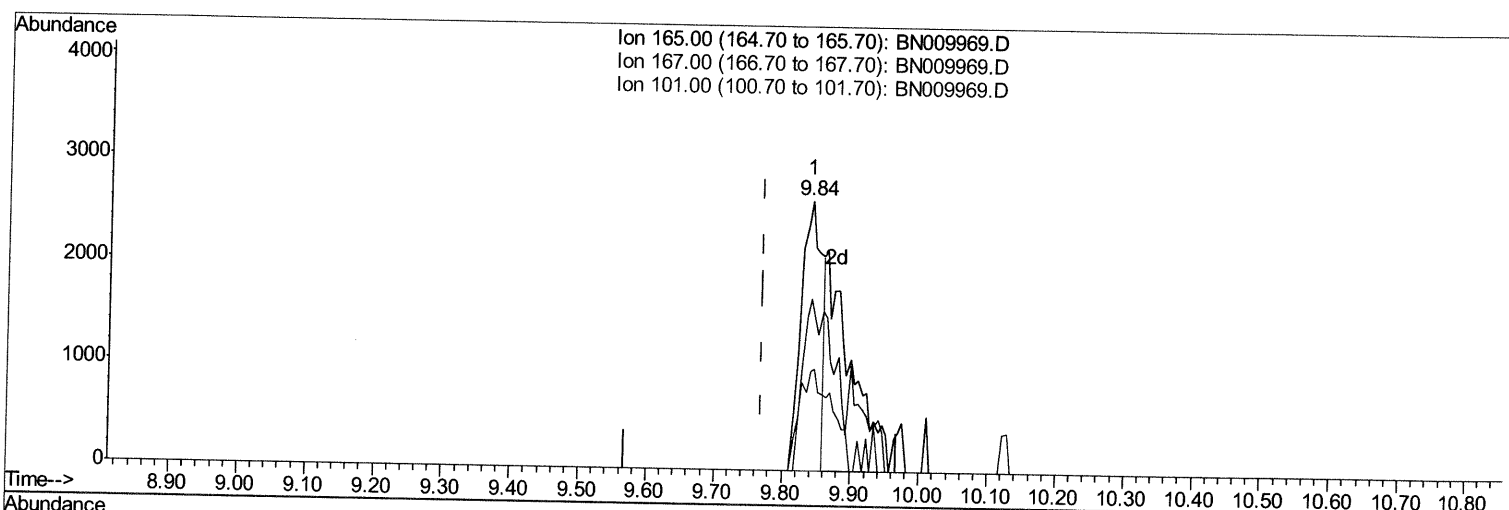
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022620\
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 Misc :
 ALS Vial : 50 Sample Multiplier: 1

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

9.840min (+0.071) 0.98ng/ul

response 5426

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	63.43
101.00	36.10	36.76
0.00	0.00	0.00

Quantitation Report (Qedit)

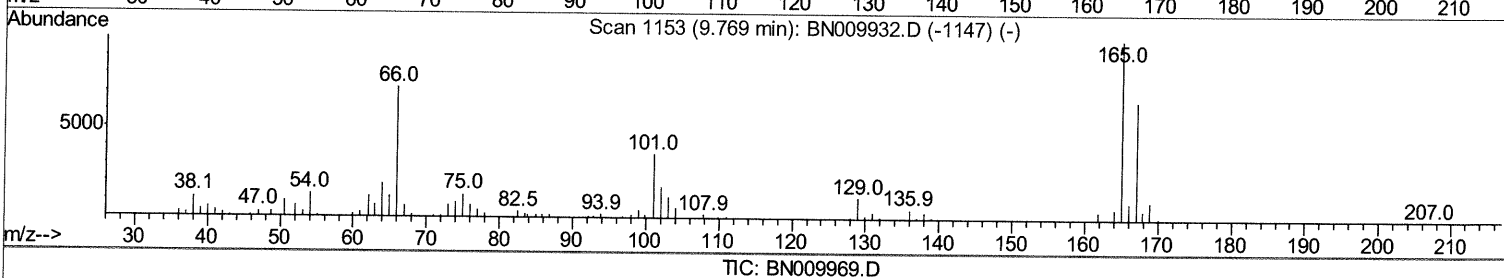
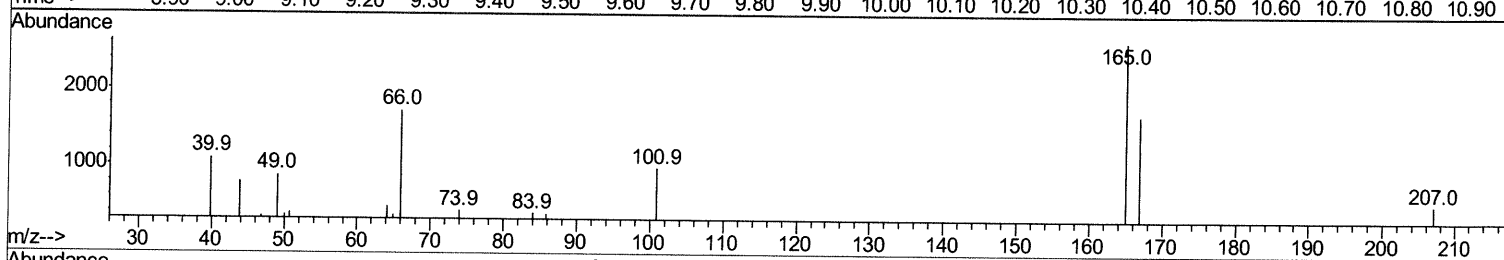
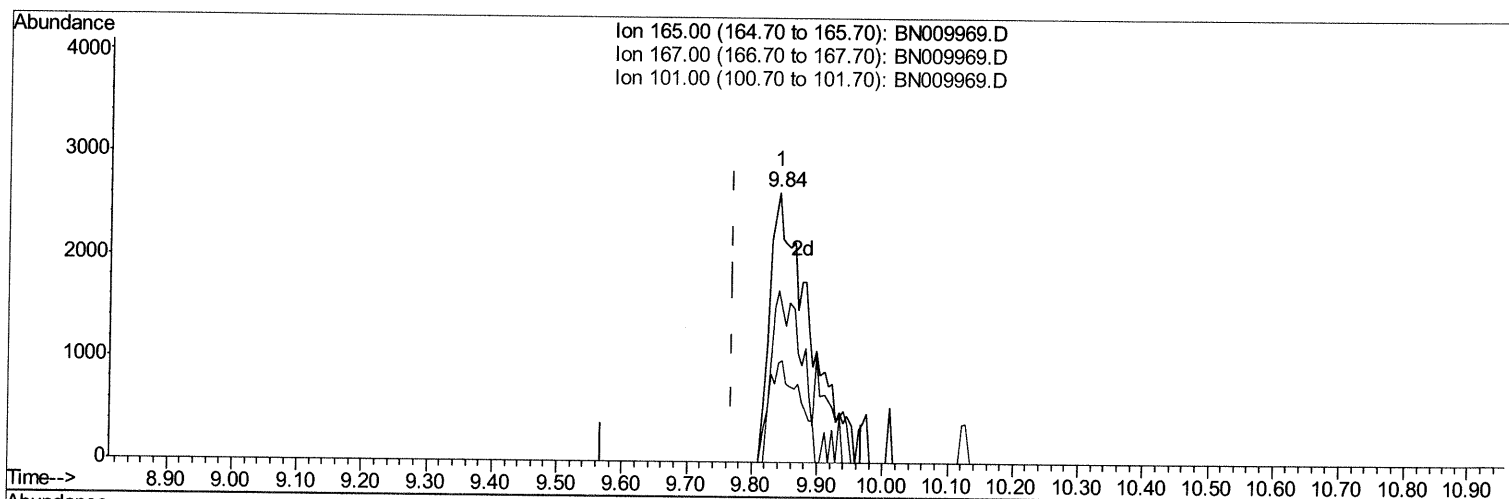
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 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:39:00 PM

Quant Time: Feb 28 01:15:35 2020
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 Response via : Initial Calibration



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

9.840min (+0.071) 1.98ng/ul m *JU 02/29/20*

response 11008

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	63.43
101.00	36.10	36.76
0.00	0.00	0.00

Quantitation Report (Qedit)

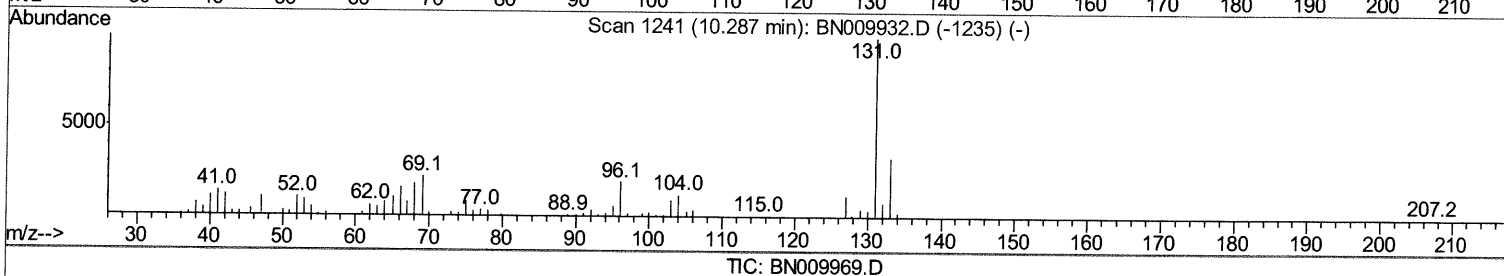
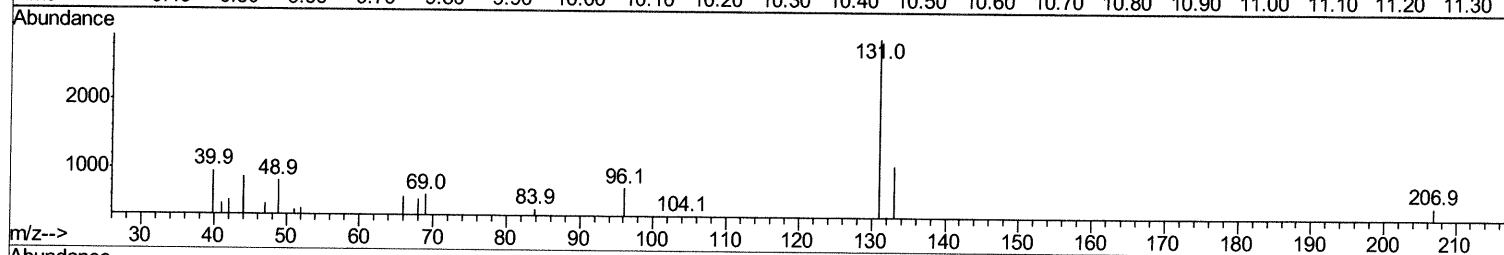
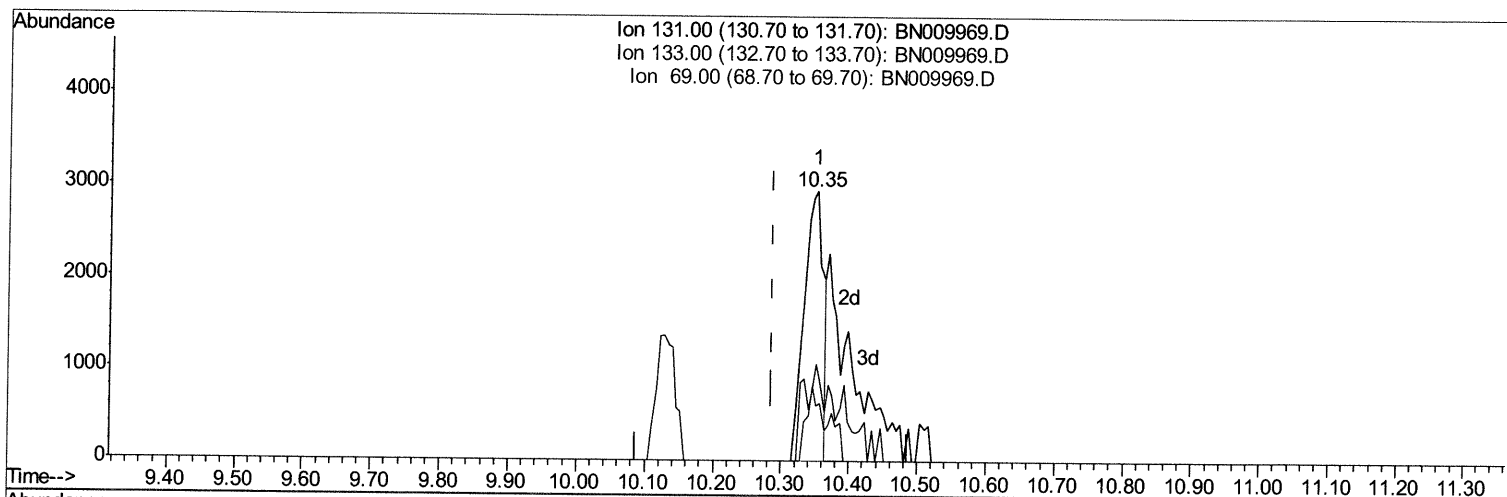
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:39:00 PM

Quant Time: Feb 28 01:15:35 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



TIC: BN009969.D

(29) 4-Chloroaniline-d4 (S)

10.352min (+0.065) 0.92ng/ul

response 5750

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	36.06
69.00	22.10	20.68
0.00	0.00	0.00

Quantitation Report (Qedit)

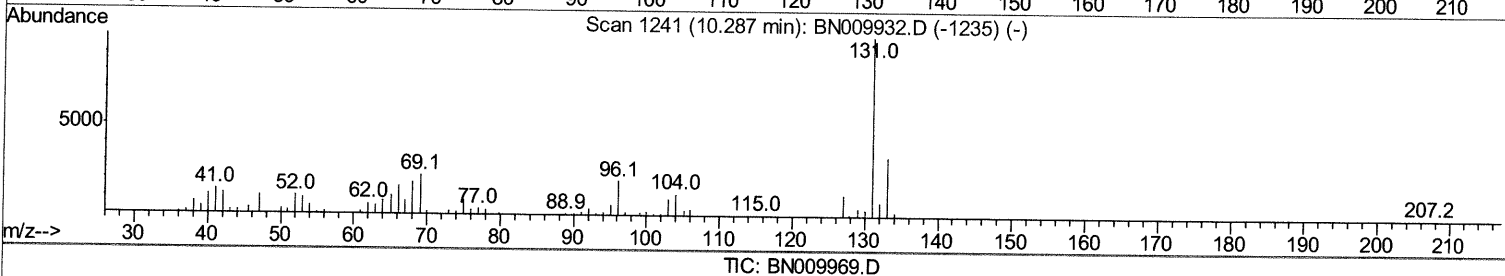
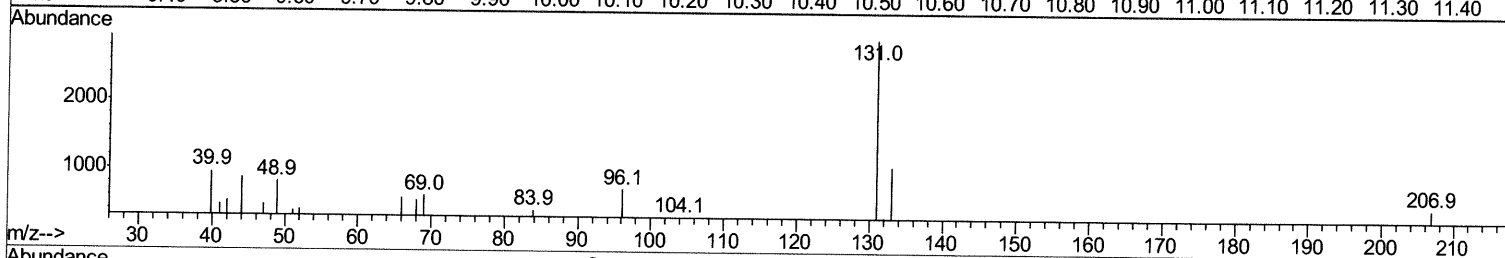
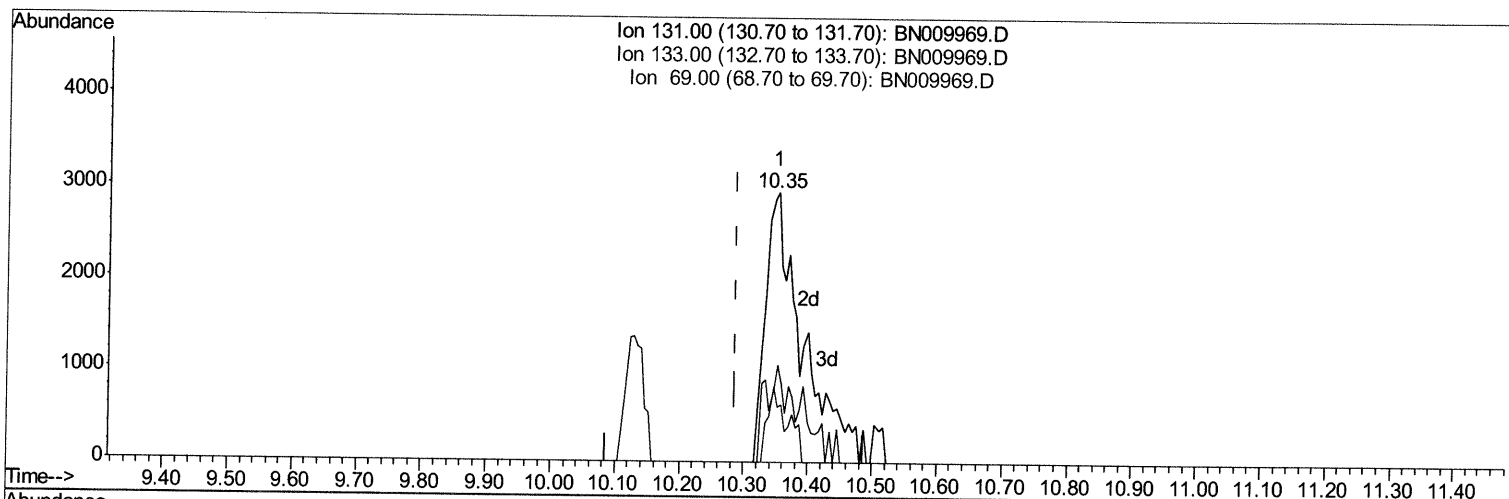
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:39:00 PM

Quant Time: Feb 28 01:15:35 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



TIC: BN009969.D

(29) 4-Chloroaniline-d4 (S)

10.352min (+0.065) 1.87ng/ul m JU 02/29/20

response 11669

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	36.06
69.00	22.10	20.68
0.00	0.00	0.00

Quantitation Report (Qedit)

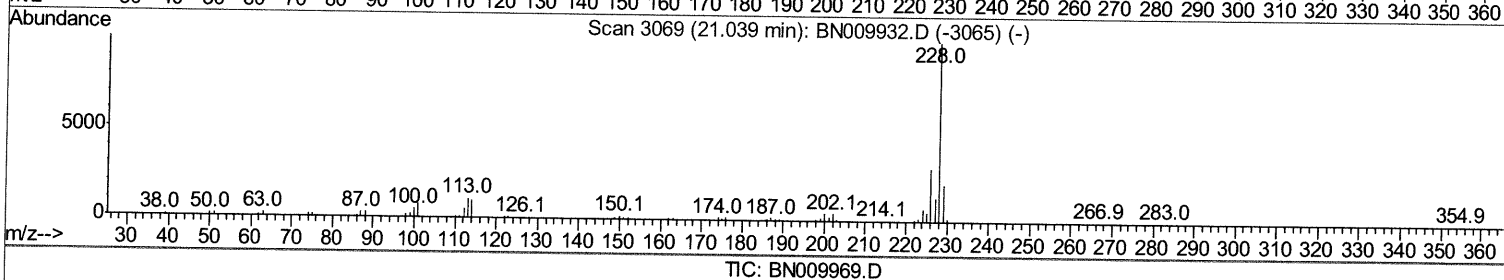
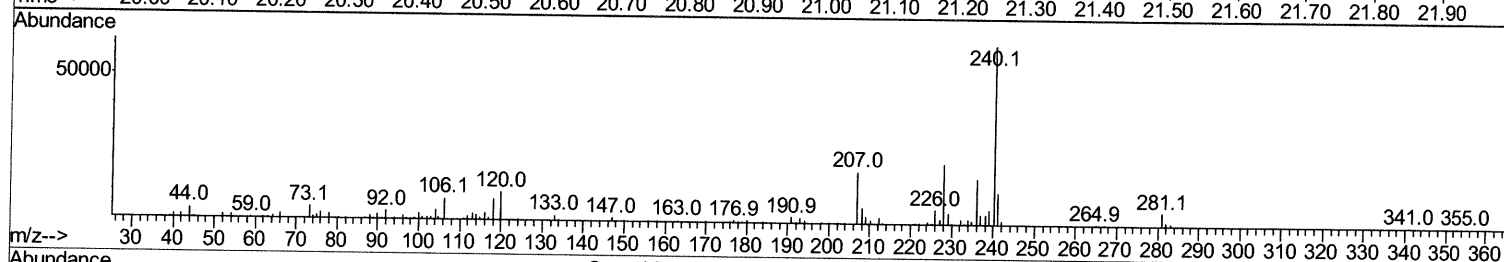
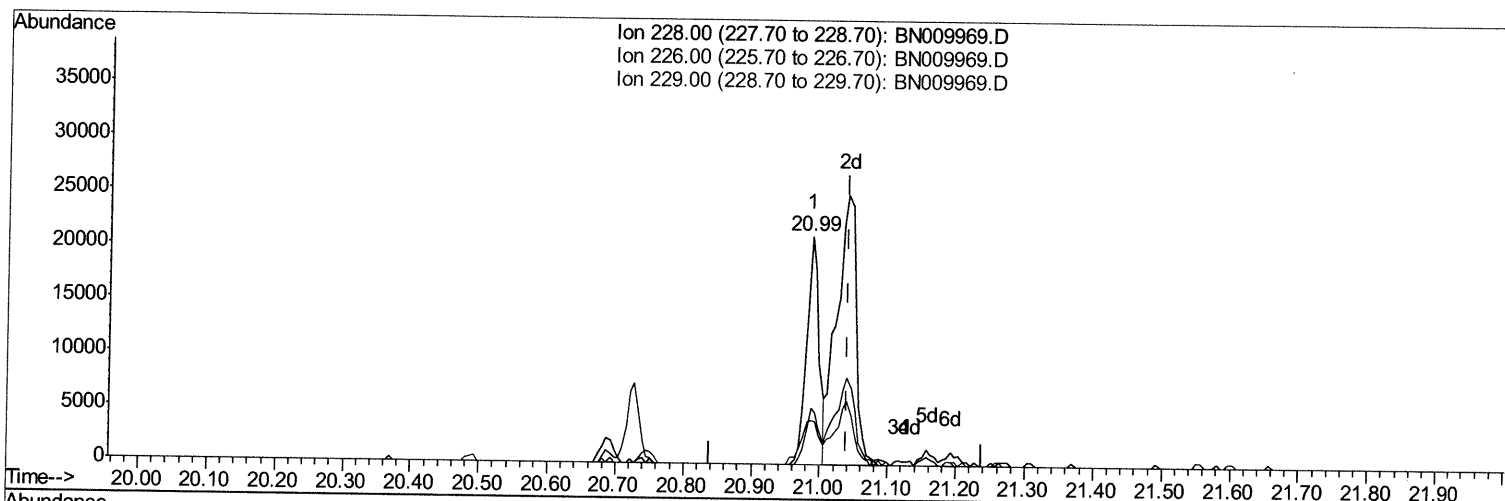
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampled :
 DBDA1DL

Manual Integrations
APPROVED

mohammad
 2/28/2020 2:39:00 PM

Quant Time: Feb 28 02:05:57 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



(85) Chrysene

20.986min (-0.053) 0.85ng/ul

response 26966

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	24.72
229.00	18.70	19.46
0.00	0.00	0.00

Quantitation Report (Qedit)

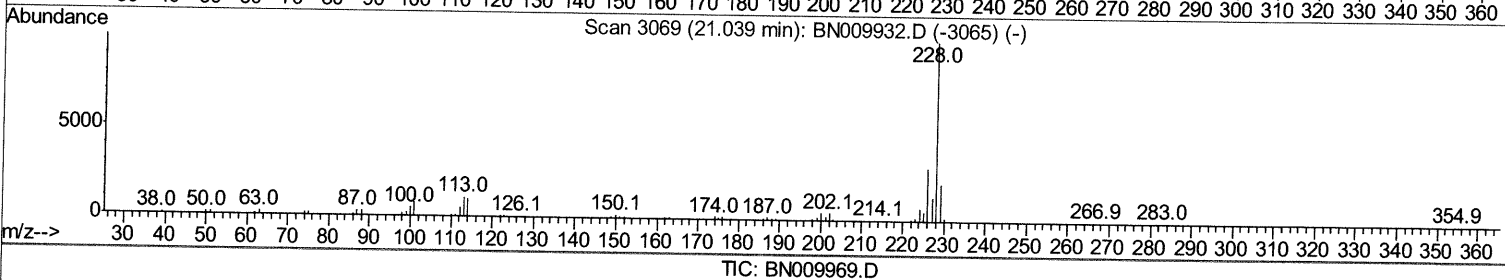
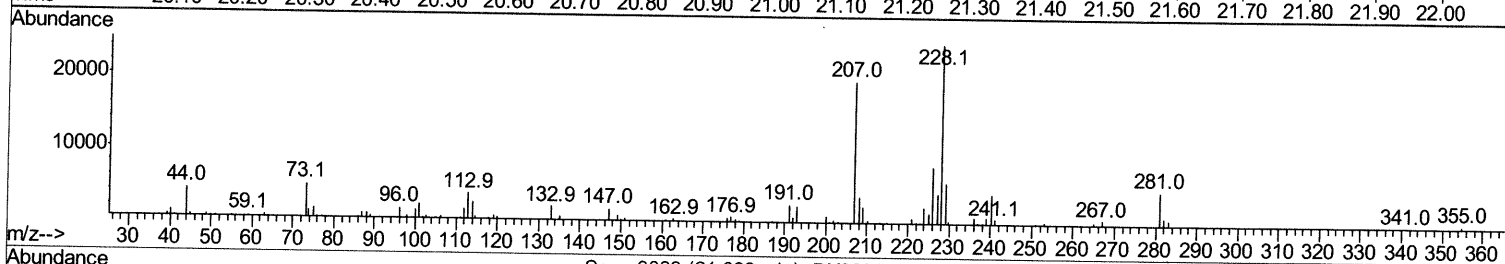
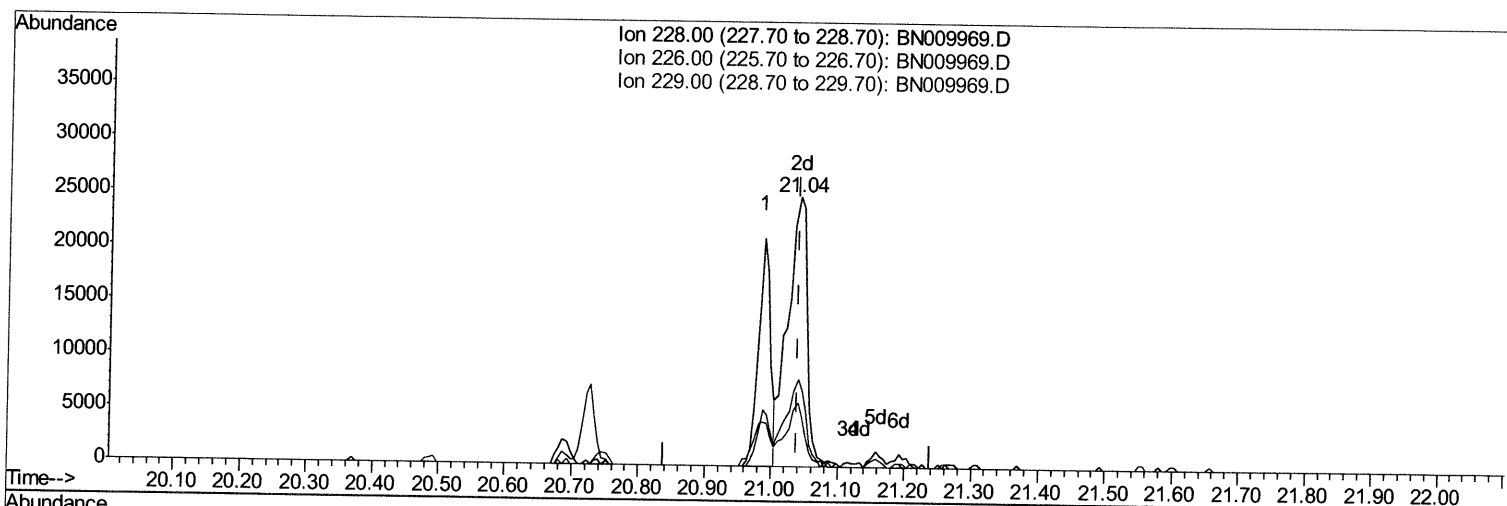
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009969.D
Acq On : 27 Feb 2020 18:17
Operator : CG/JU
Sample : L1543-19DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBDA1DL

Manual Integrations
APPROVED

mohammad
2/28/2020 2:39:00 PM

Quant Time: Feb 28 02:05:57 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



(85) Chrysene

21.039min (+0.000) 1.61ng/ul m JU 02/29/20

response 50657

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	32.27
229.00	18.70	23.55#
0.00	0.00	0.00

Quantitation Report (Qedit)

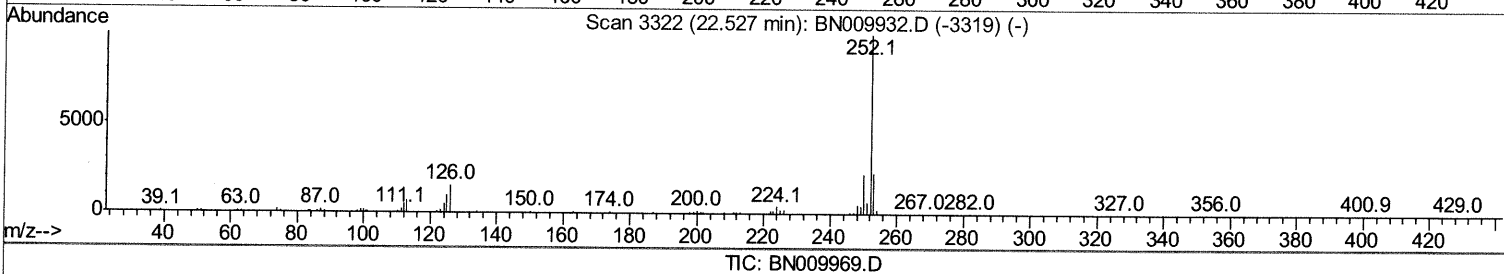
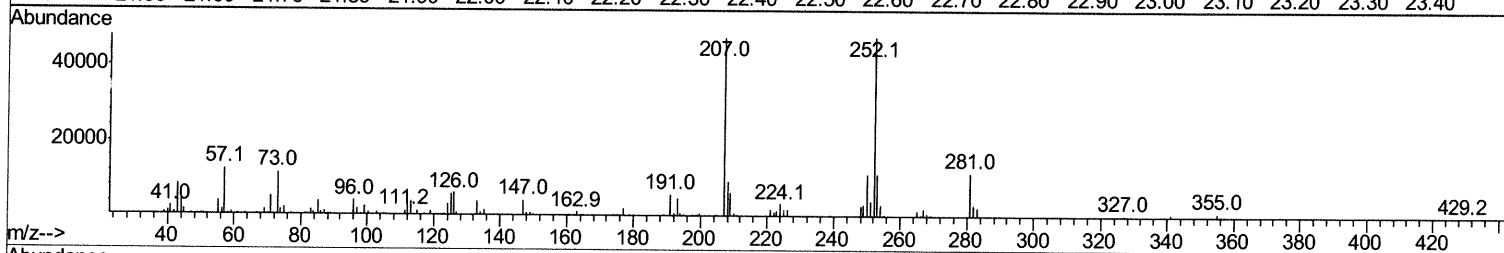
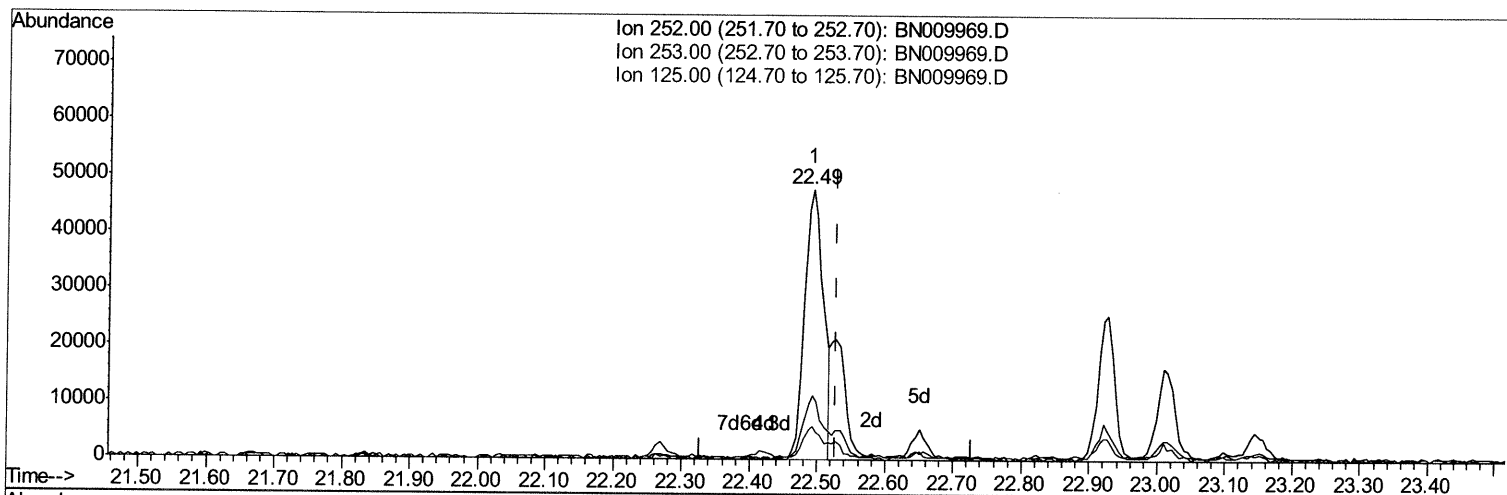
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009969.D
Acq On : 27 Feb 2020 18:17
Operator : CG/JU
Sample : L1543-19DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBDA1DL

Manual Integrations
APPROVED

mohammad
2/28/2020 2:39:00 PM

Quant Time: Feb 28 02:06:59 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



(89) Benzo(k)fluoranthene

22.492min (-0.035) 2.99ng/ul

response 92247

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.74
125.00	10.20	12.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

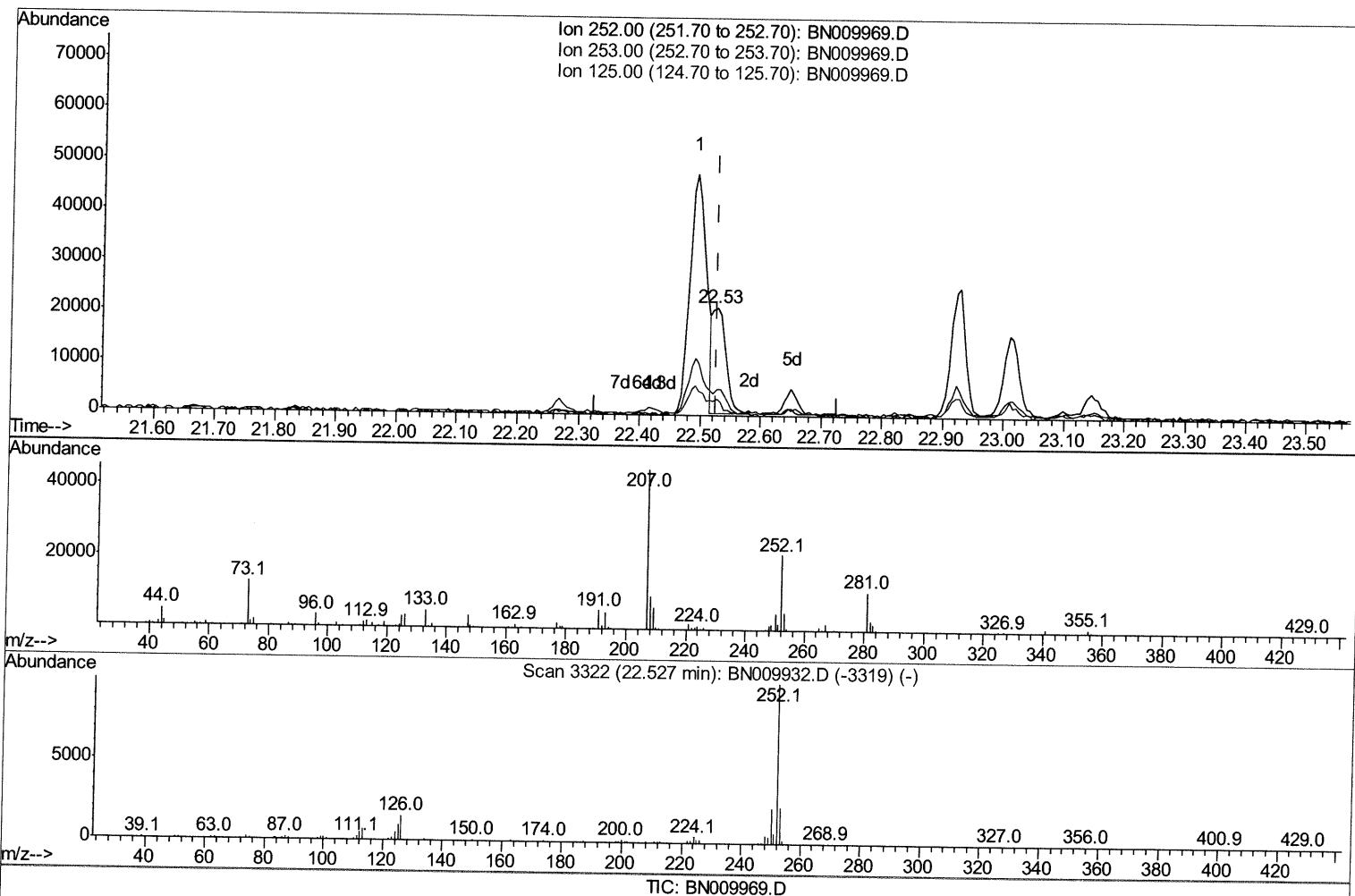
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:39:00 PM

Quant Time: Feb 28 02:06:59 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



(89) Benzo(k)fluoranthene

22.527min (+0.000) 1.03ng/ul **JU 02/29/20**

response 31696

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	24.88
125.00	10.20	15.67#
0.00	0.00	0.00

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009969.D
 Acq On : 27 Feb 2020 18:17
 Operator : CG/JU
 Sample : L1543-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDA1DL

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:39:00 PM

Quant Time: Feb 28 02:07:55 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	84809	20.00	ng/ul	0.00
18) Naphthalene-d8	10.13	136	361164	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	236920	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	505080	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	466298	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	503359	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	1047	0.51	ng/uL	0.02
5) Phenol-d5	6.61	99	13850m	1.92	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.75	67	12879m	2.59	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	12546m	2.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.13	113	9867m	1.72	ng/ul	0.03
19) Nitrobenzene-d5	8.55	128	5744m	2.17	ng/ul	0.02
22) 2-Nitrophenol-d4	9.26	143	4993m	1.73	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.84	165	11008m	1.98	ng/ul	0.07
29) 4-Chloroaniline-d4	10.35	131	11669m	1.87	ng/ul	0.06
44) Dimethylphthalate-d6	13.46	166	48103	2.72	ng/ul	0.01
47) Acenaphthylene-d8	13.72	160	49914	2.39	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.04	176	42420	2.78	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	16.87	188	72653	3.14	ng/ul	0.00
79) Pyrene-d10	19.19	212	78093	3.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	73180	2.91	ng/ul	0.00

JU 02/29/20

Target Compounds

					Ovalue	
59) Fluorene	15.10	166	19226	1.055	ng/ul	99
70) Phenanthrene	16.82	178	58606	2.033	ng/ul	96
72) Anthracene	16.91	178	822891	27.926	ng/ul	99
75) Carbazole	17.20	167	119064	4.588	ng/ul	96
85) Chrysene	21.04	228	50657m>	1.606	ng/ul>	JU 02/29/20
88) Benzo(b)fluoranthene	22.49	252	92247	2.827	ng/ul#	94
89) Benzo(k)fluoranthene	22.53	252	31696m>	1.026	ng/ul>	JU 02/29/20
91) Benzo(a)pyrene	23.01	252	30069	1.024	ng/ul#	92

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