

(QT Reviewed)

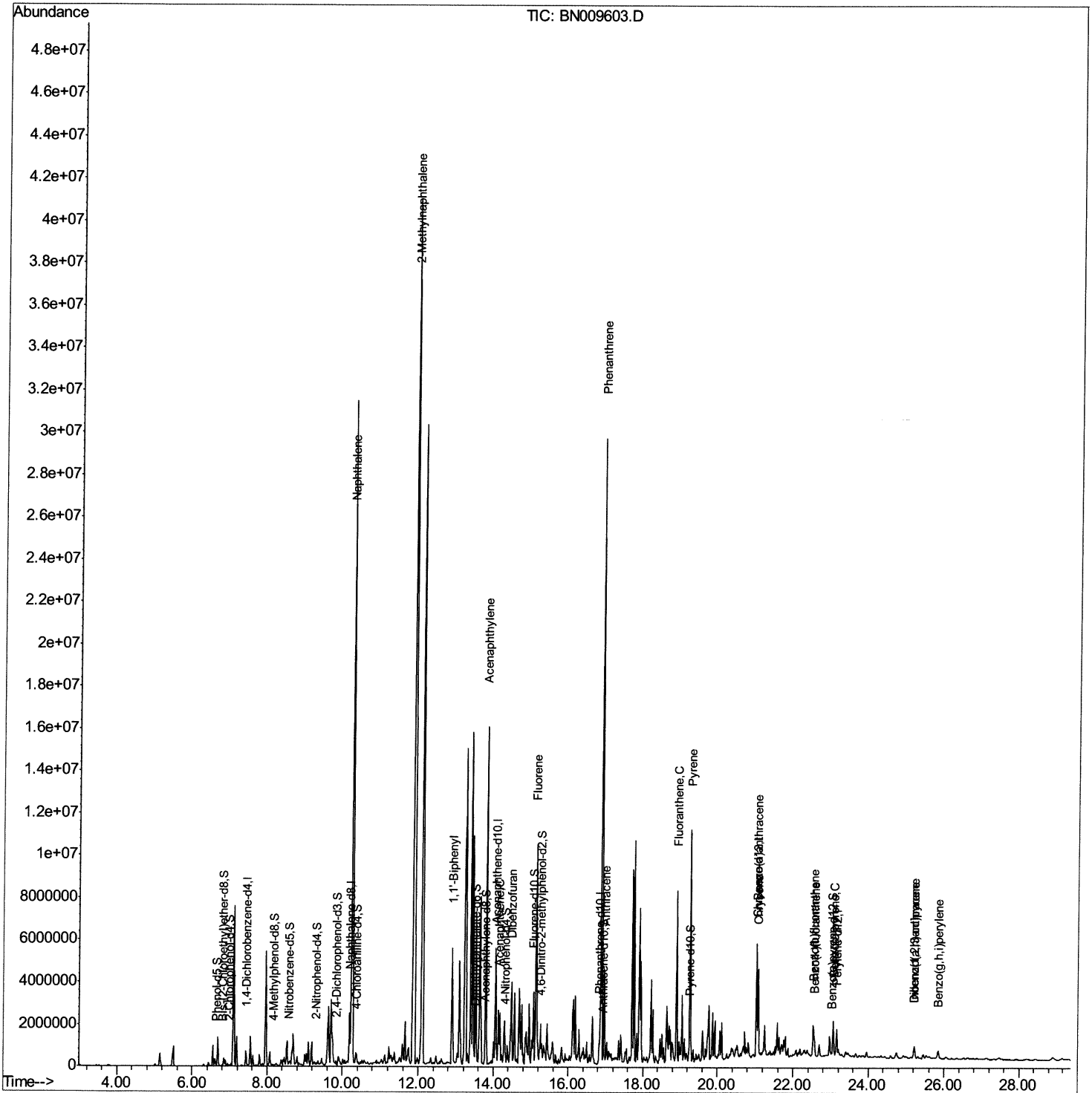
```
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\  
Data File : BN009603.D  
Acq On    : 05 Feb 2020 16:10  
Operator  : CG/JU  
Sample    : L1271-06DL 10X  
Misc      :  
ALS Vial  : 79      Sample Multiplier: 1
```

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Manual Integrations

mohammad
2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:55:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

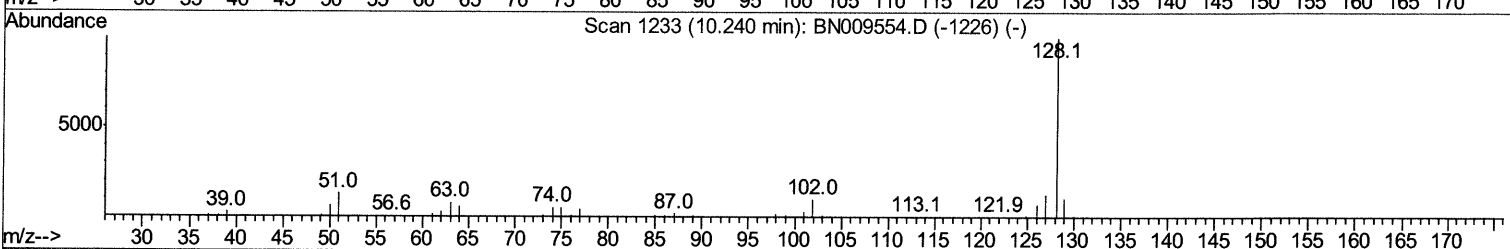
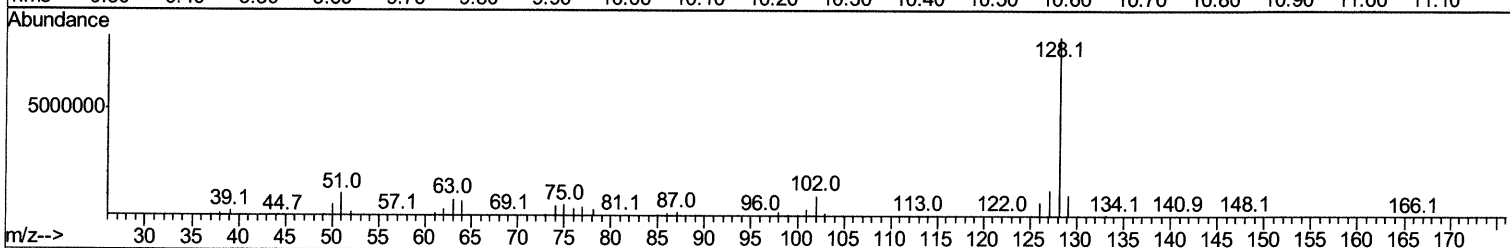
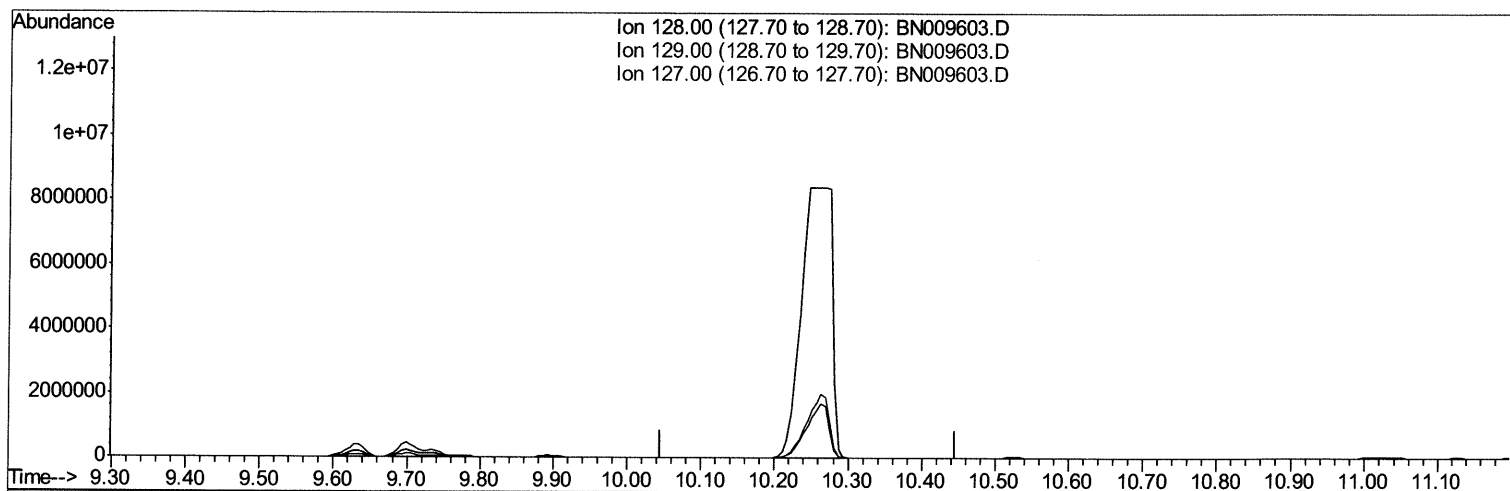
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 GASZ7DL

Manual Integrations
APPROVED

mohammad
 2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:41:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration



TIC: BN009603.D

(28) Naphthalene

10.246min (-10.246) 0.00ng/ul

response 0

Ion	Exp%	Act%
128.00	100	0.00
129.00	10.90	0.00#
127.00	13.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

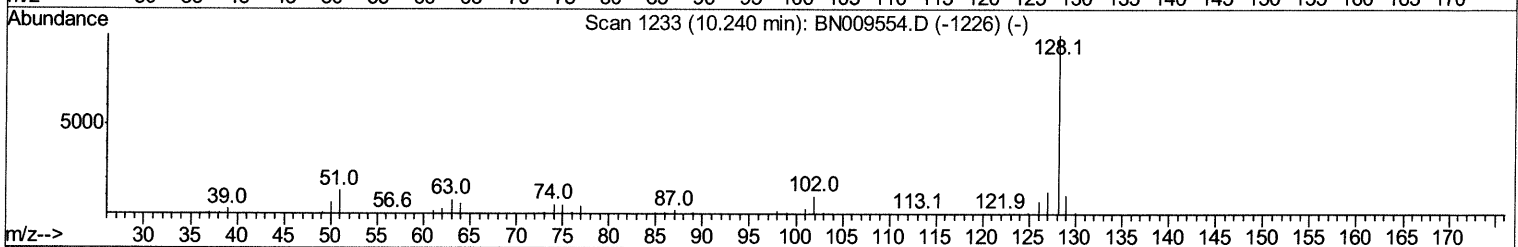
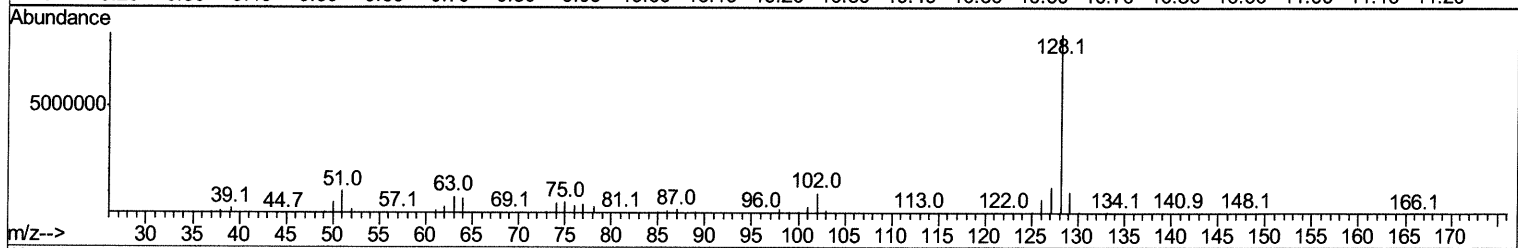
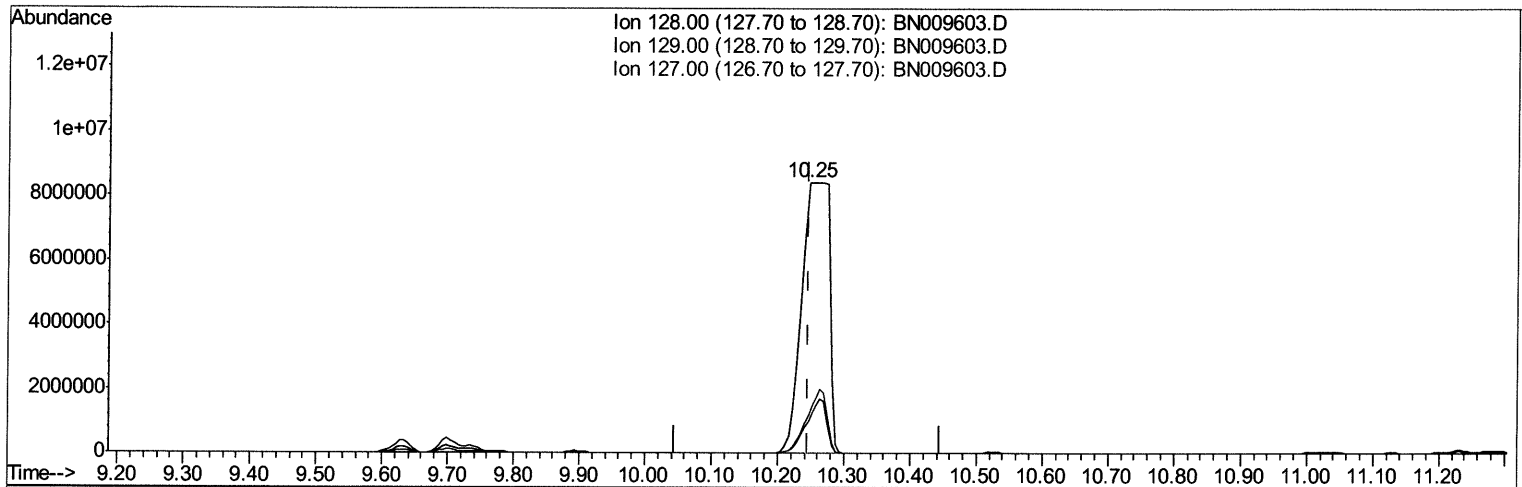
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
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Manual Integrations
APPROVED

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TIC: BN009603.D

(28) Naphthalene

10.246min (-0.000) 678.09ng/ul m *JU 02/06/20*

response 24236340

Ion	Exp%	Act%
128.00	100	100
129.00	10.90	11.95
127.00	13.40	14.23
0.00	0.00	0.00

Quantitation Report (Qedit)

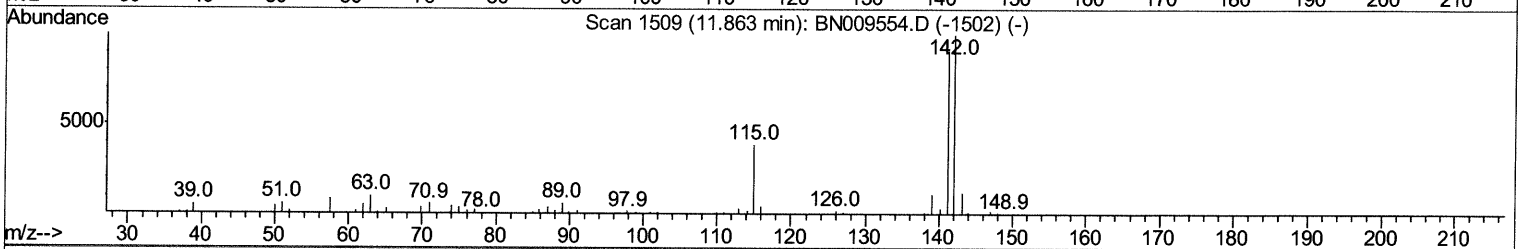
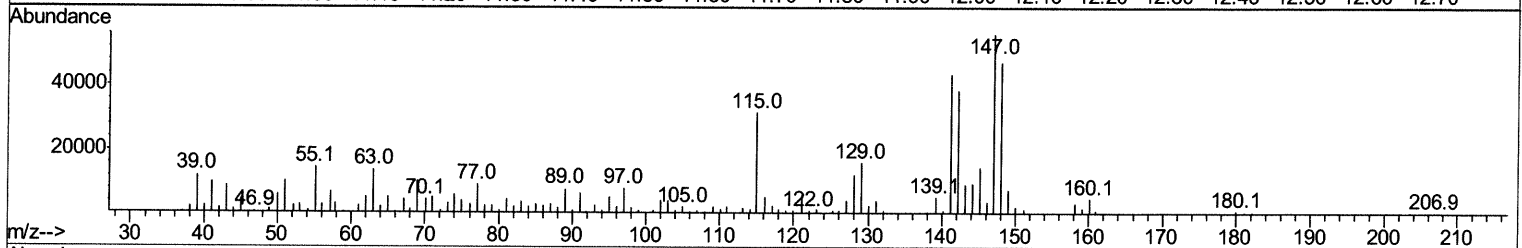
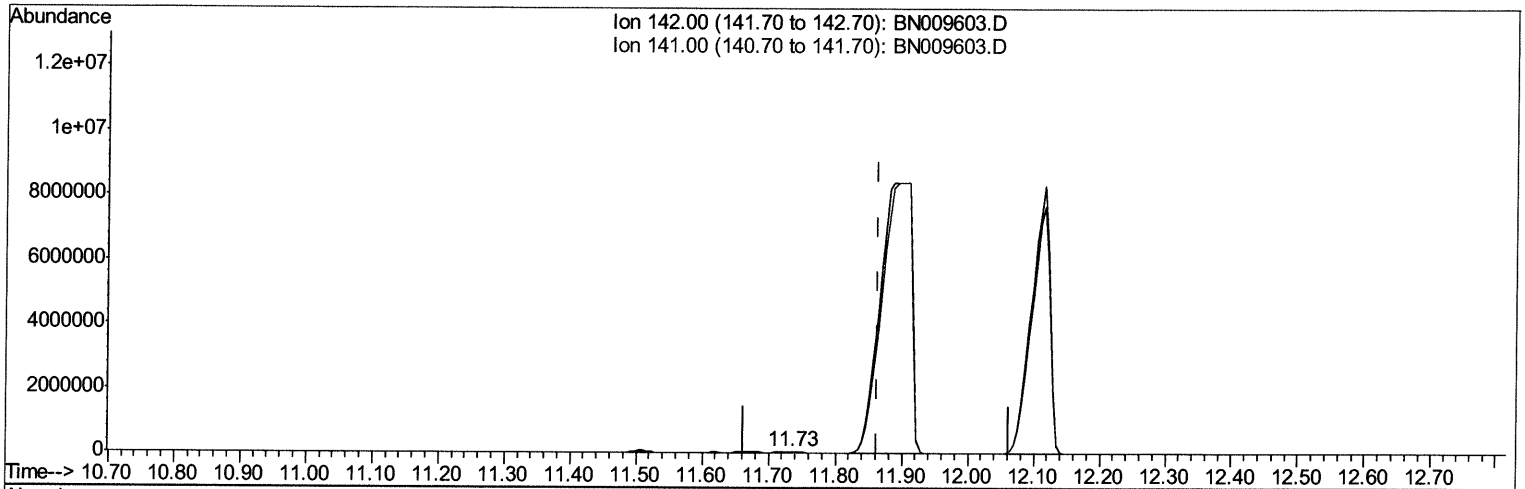
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampled :
 GASZ7DL

Manual Integrations
APPROVED

mohammad
 2/6/2020 8:12:41 AM

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TIC: BN009603.D

(34) 2-Methylnaphthalene

11.734min (-0.129) 4.06ng/ul

response 101531

Ion	Exp%	Act%
142.00	100	100
141.00	89.40	113.28#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

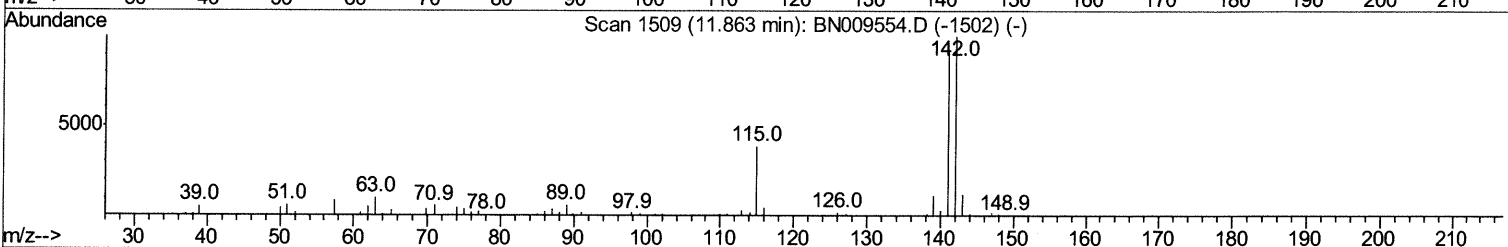
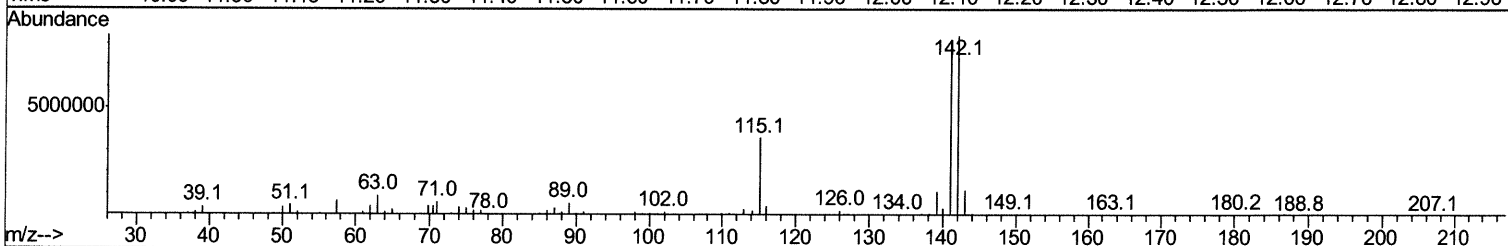
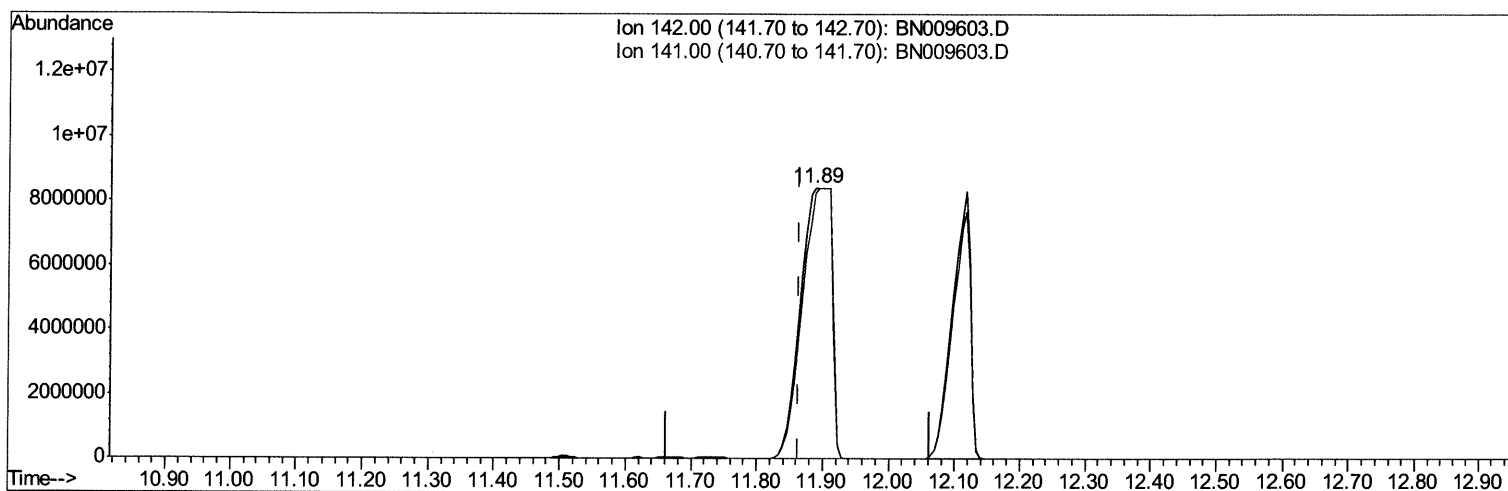
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Manual Integrations
 APPROVED

mohammad
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TIC: BN009603.D

(34) 2-Methylnaphthalene

11.887min (+0.023) 1107.36ng/ul m *JU 02/06/20*

response 27698275

Ion	Exp%	Act%
142.00	100	100
141.00	89.40	98.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

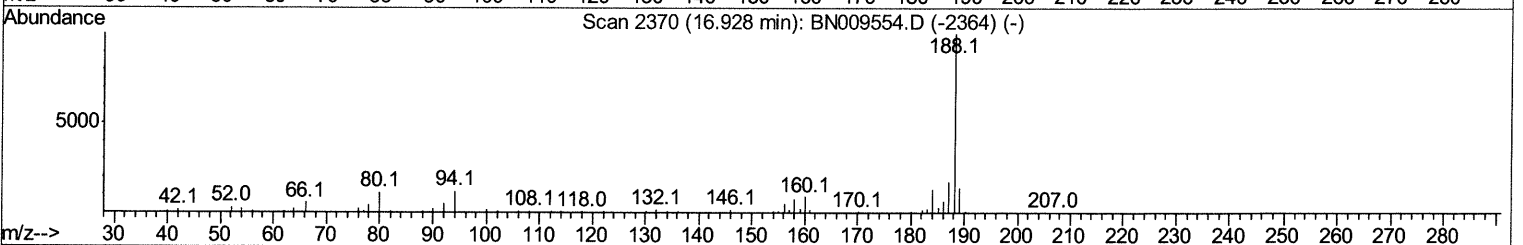
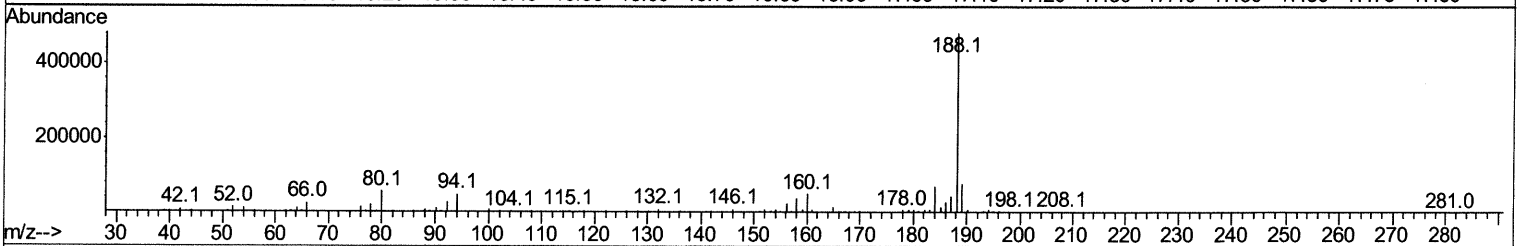
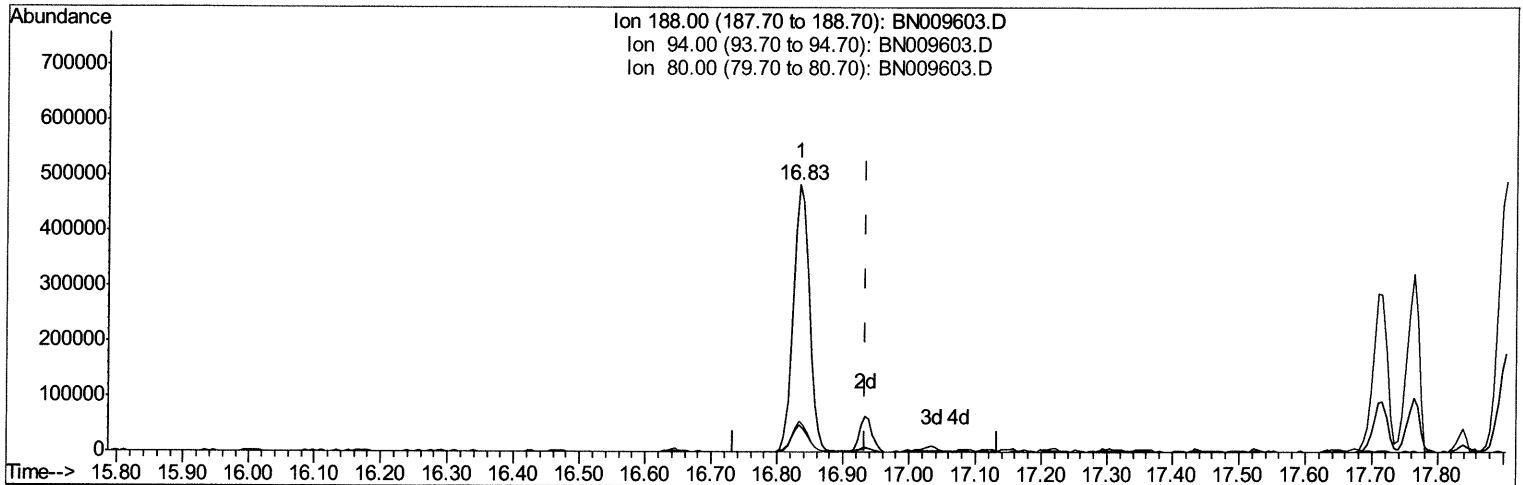
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 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Manual Integrations
 APPROVED

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TIC: BN009603.D

(70) Anthracene-d10 (S)

16.833min (-0.100) 22.01ng/ul

response 822768

Ion	Exp%	Act%
188.00	100	100
94.00	10.60	9.90
80.00	11.10	11.68
0.00	0.00	0.00

Quantitation Report (Qedit)

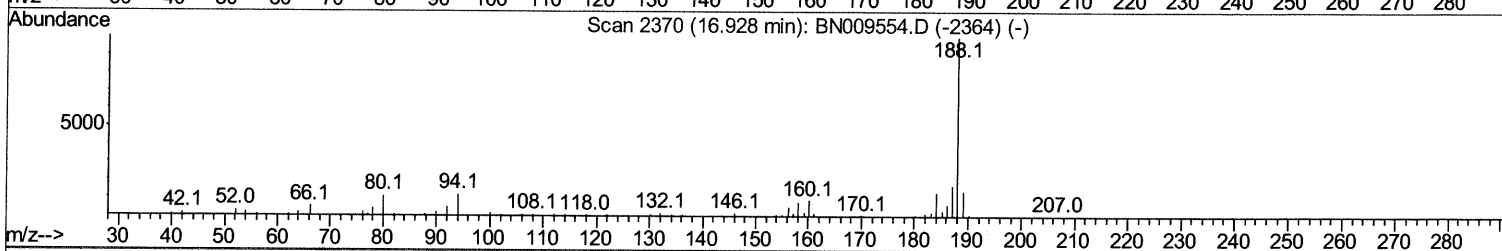
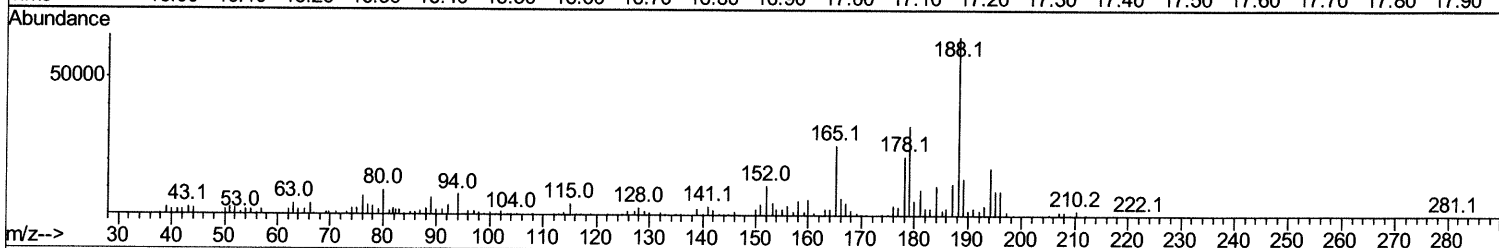
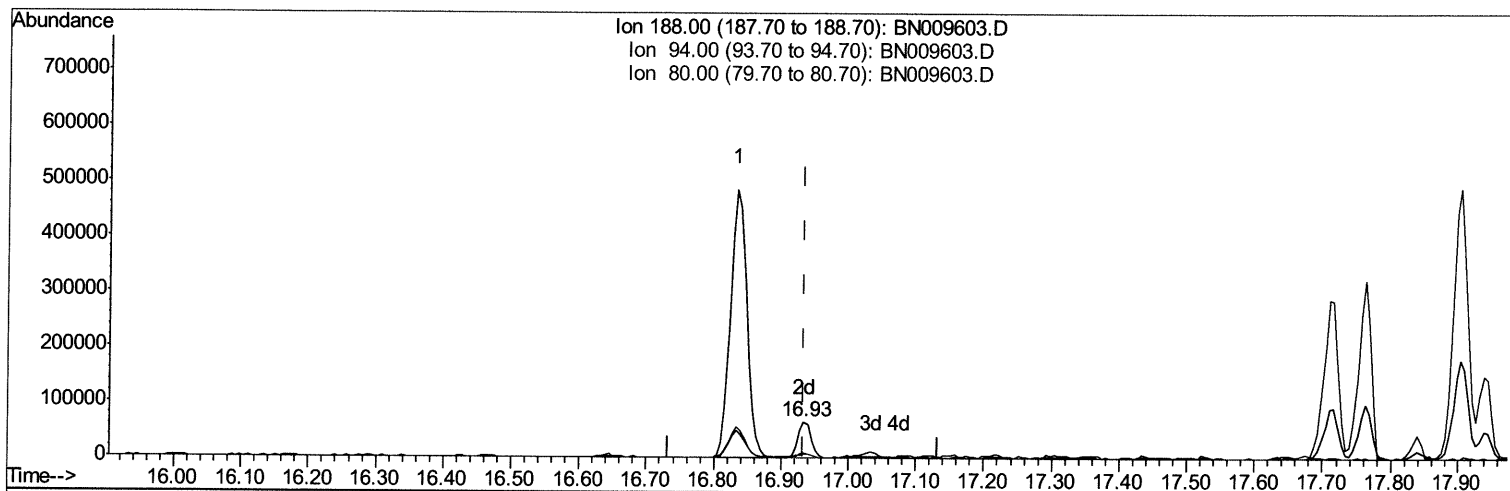
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Manual Integrations
 APPROVED

mohammad
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TIC: BN009603.D

(70) Anthracene-d10 (S)

16.933min (-0.000) 2.33ng/ul m 24 02/06/20

response 87121

Ion	Exp%	Act%
188.00	100	100
94.00	10.60	12.04
80.00	11.10	14.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

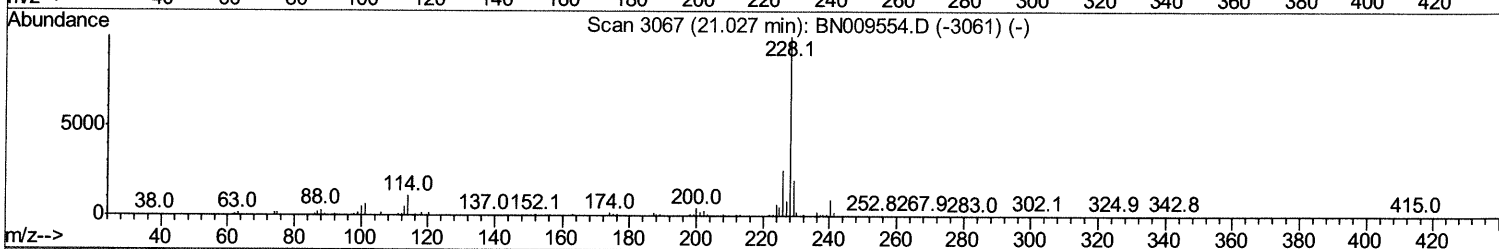
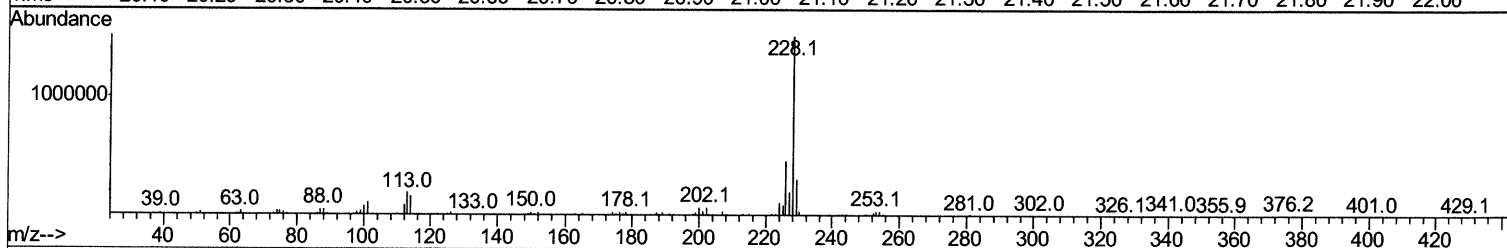
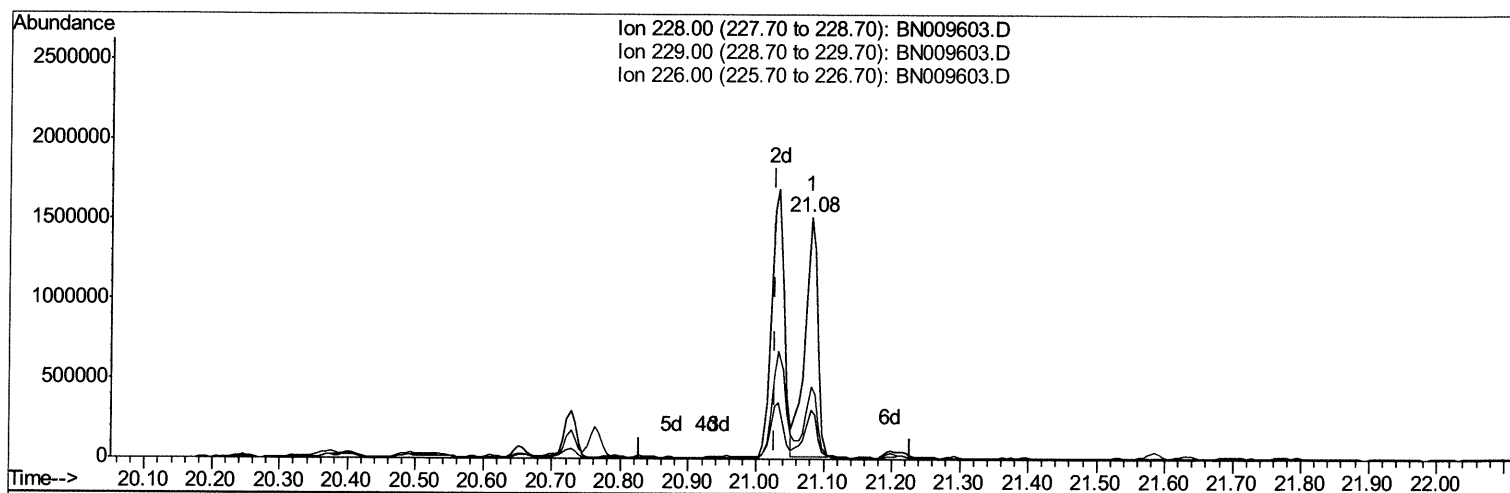
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
Data File : BN009603.D
Acq On : 05 Feb 2020 16:10
Operator : CG/JU
Sample : L1271-06DL 10X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Manual Integrations
APPROVED

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TIC: BN009603.D

(82) Benzo(a)anthracene

21.080min (+0.053) 38.86ng/ui

response 1975688

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	20.21
226.00	26.10	30.06
0.00	0.00	0.00

Quantitation Report (Qedit)

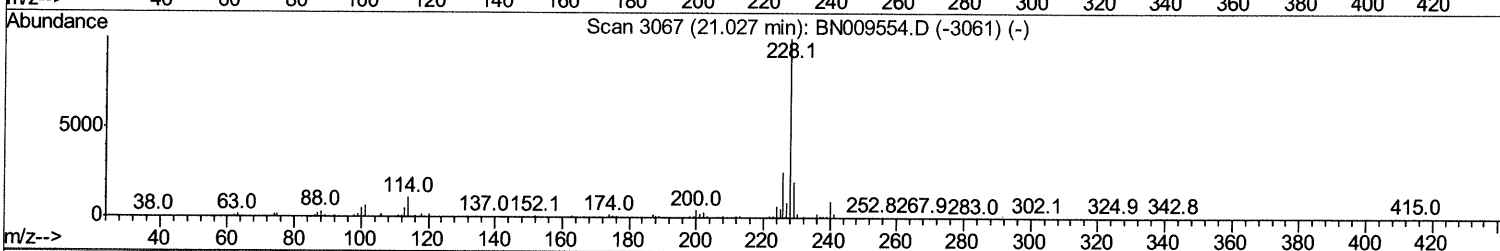
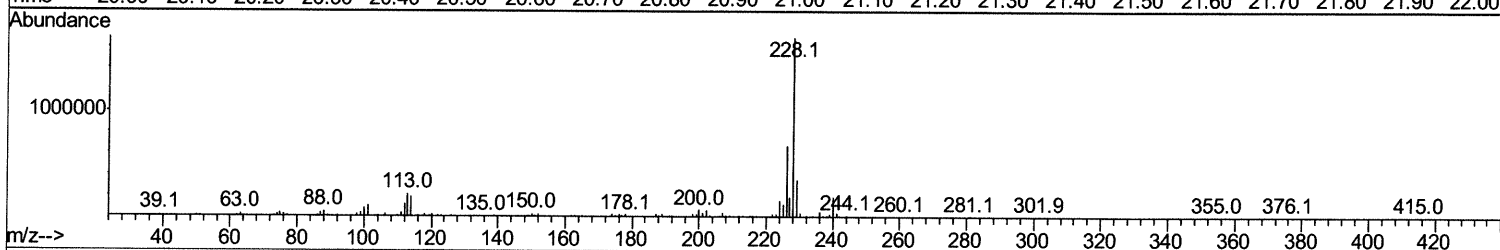
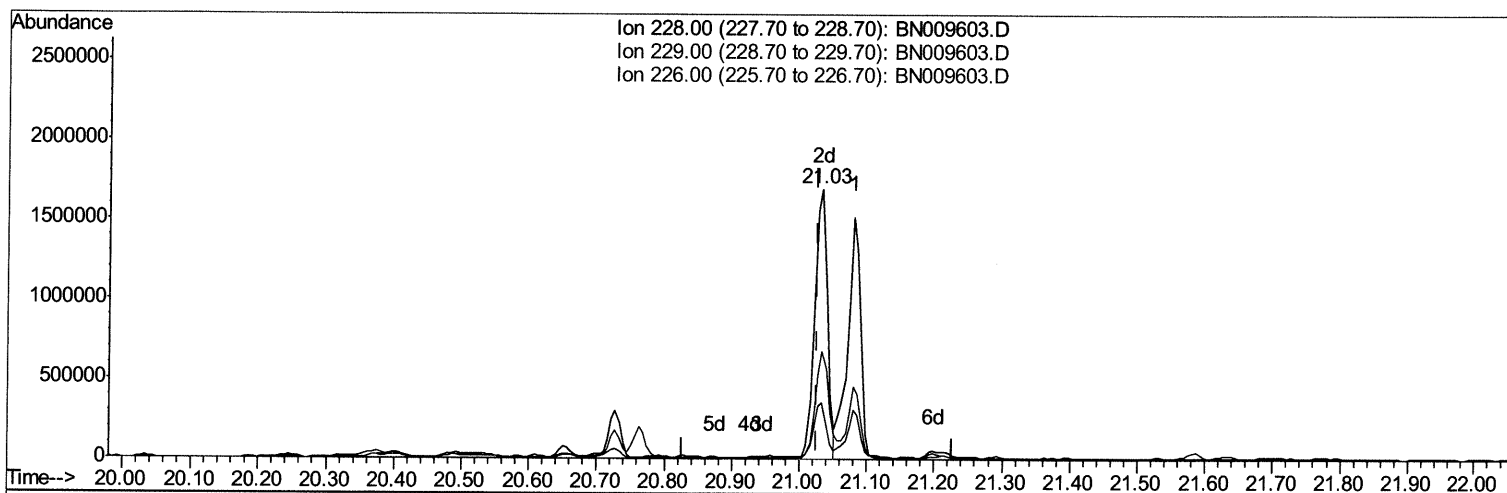
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
Data File : BN009603.D
Acq On : 05 Feb 2020 16:10
Operator : CG/JU
Sample : L1271-06DL 10X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Manual Integrations
APPROVED

mohammad
2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:41:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BN009603.D

(82) Benzo(a)anthracene

21.033min (+0.006) 43.77ng/ul m JU 02/06/20

response 2225271

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	20.90
226.00	26.10	39.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

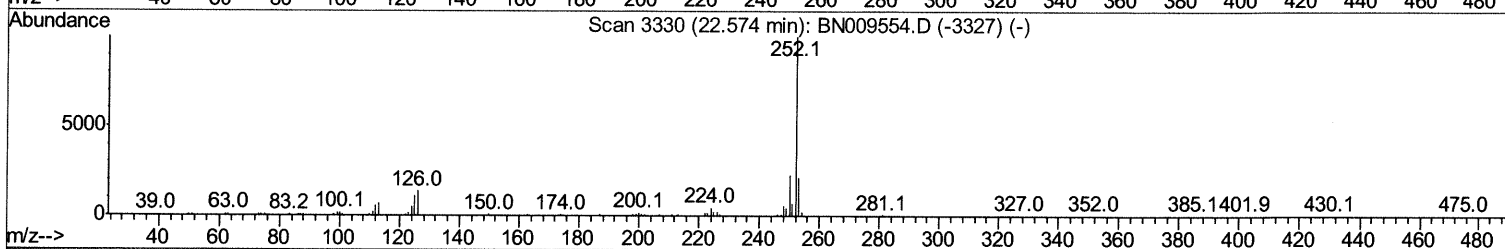
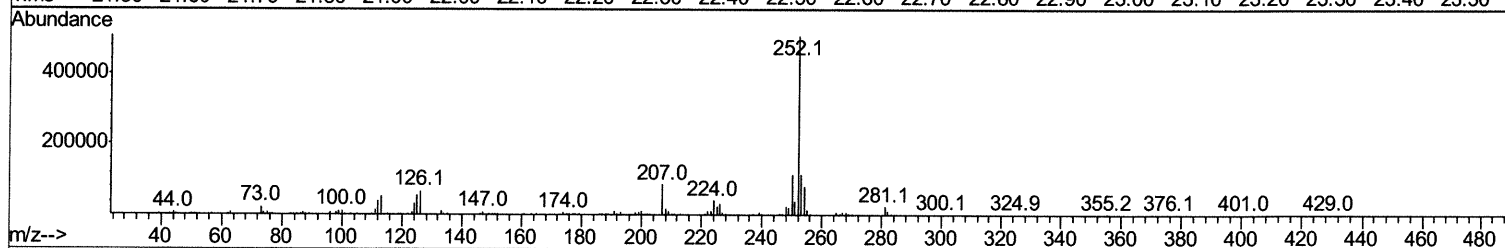
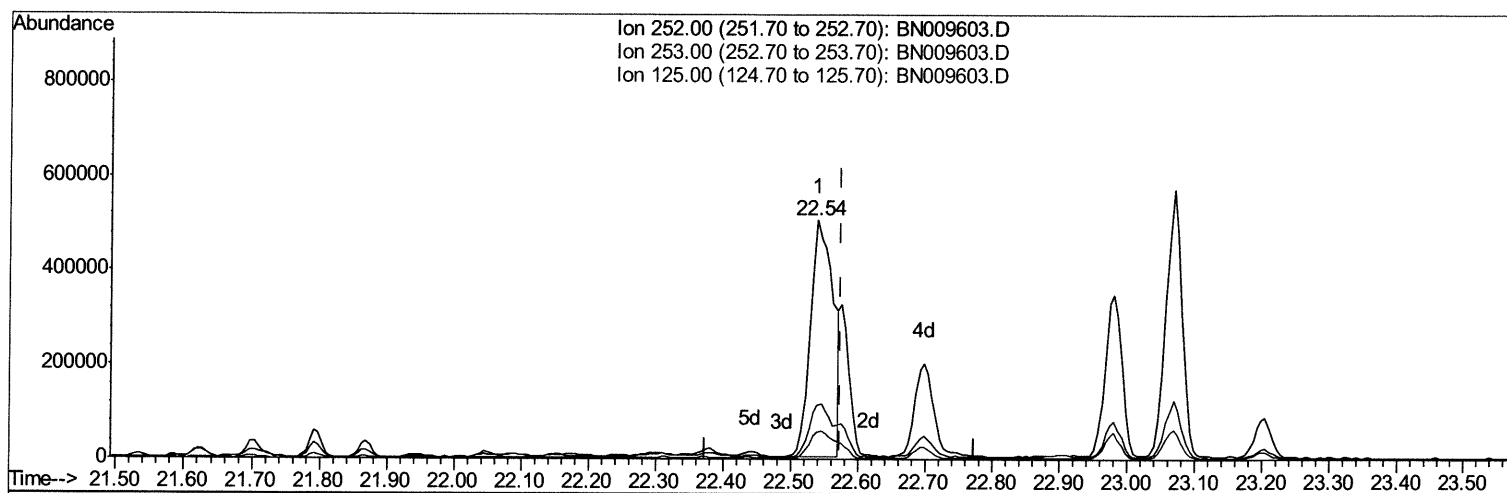
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
Data File : BN009603.D
Acq On : 05 Feb 2020 16:10
Operator : CG/JU
Sample : L1271-06DL 10X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Manual Integrations
APPROVED

mohammad
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TIC: BN009603.D

(88) Benzo(k)fluoranthene

22.539min (-0.035) 23.72ng/ul

response 1164946

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	22.67
125.00	10.00	11.08
0.00	0.00	0.00

Quantitation Report (Qedit)

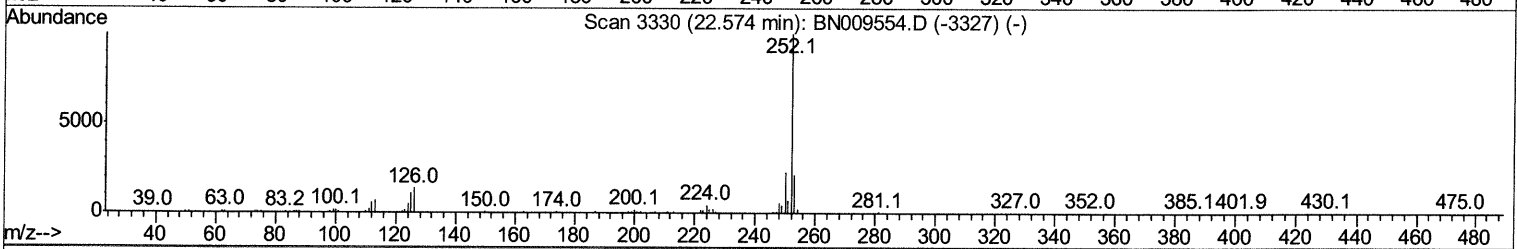
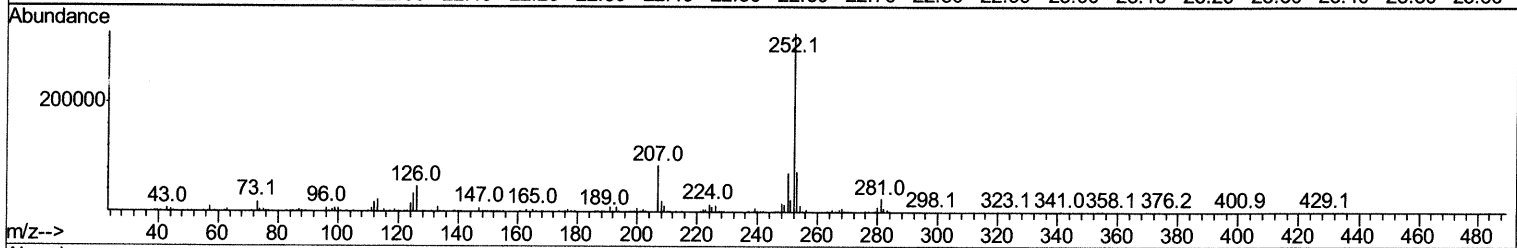
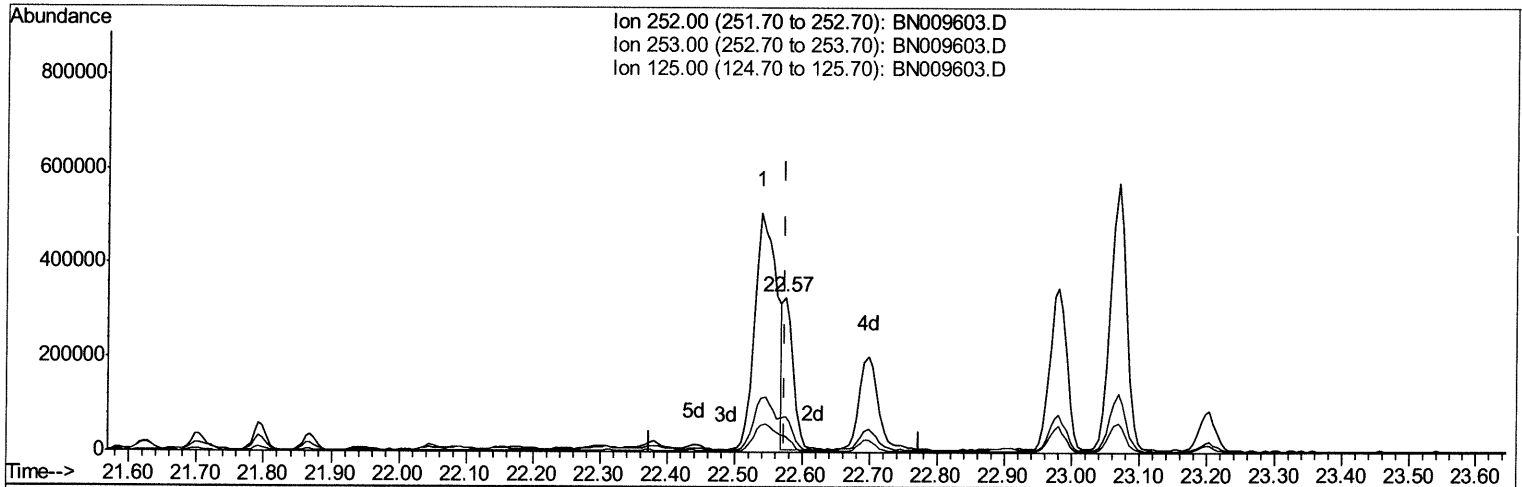
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Manual Integrations
 APPROVED

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TIC: BN009603.D

(88) Benzo(k)fluoranthene

22.574min (-0.000) 6.58ng/ul m JU 02/06/20

response 322915

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	22.87
125.00	10.00	10.59
0.00	0.00	0.00

Quantitation Report (Qedit)

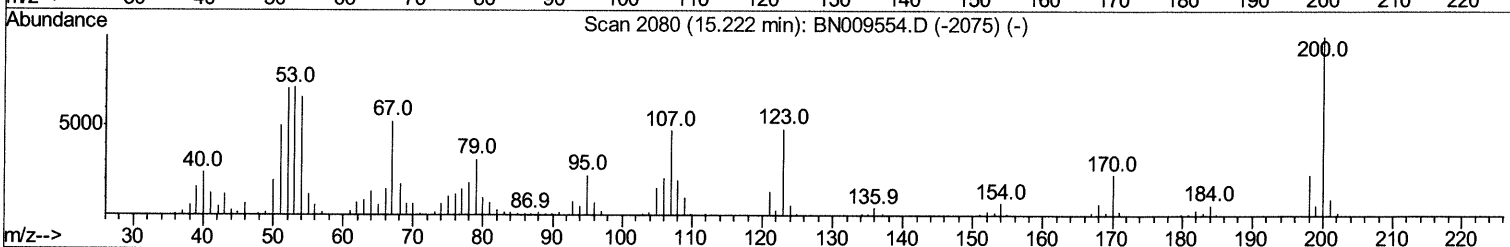
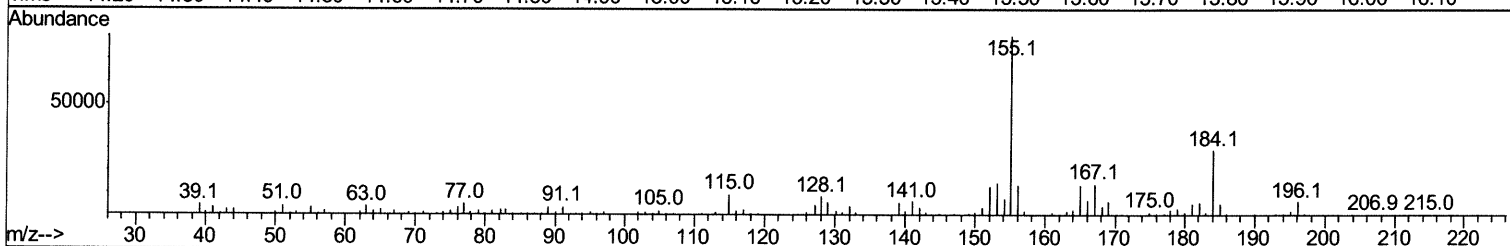
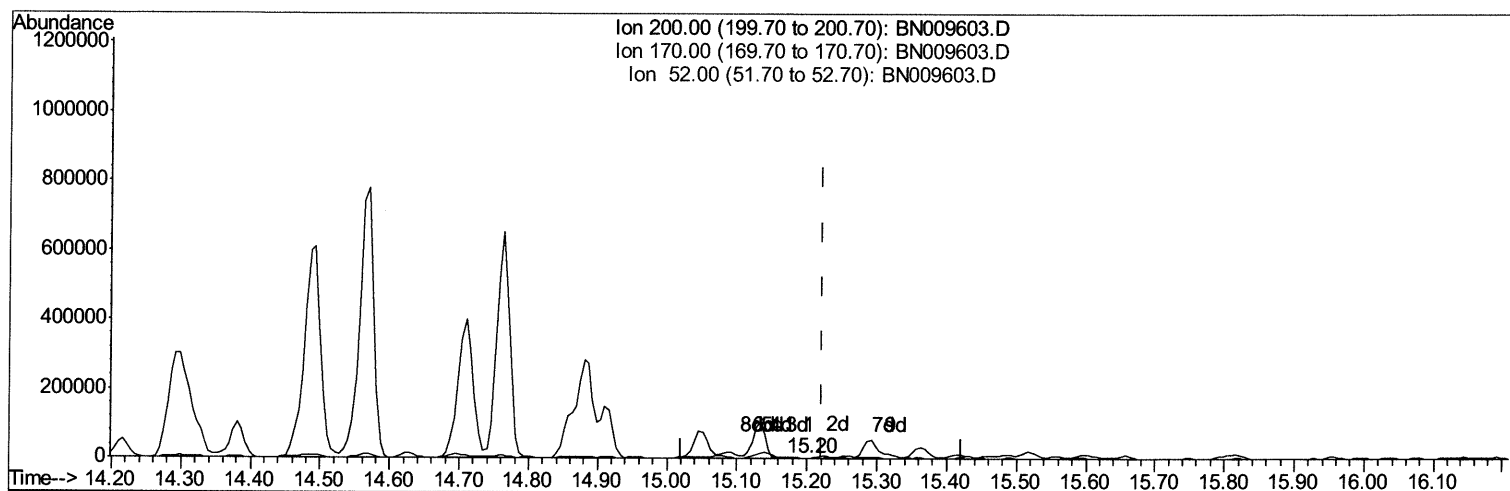
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 GASZ7DL

Manual Integrations
 APPROVED

mohammad
 2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:46:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
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(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.204min (-0.018) 0.02ng/ul

response 113

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	292.21#
52.00	68.10	325.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

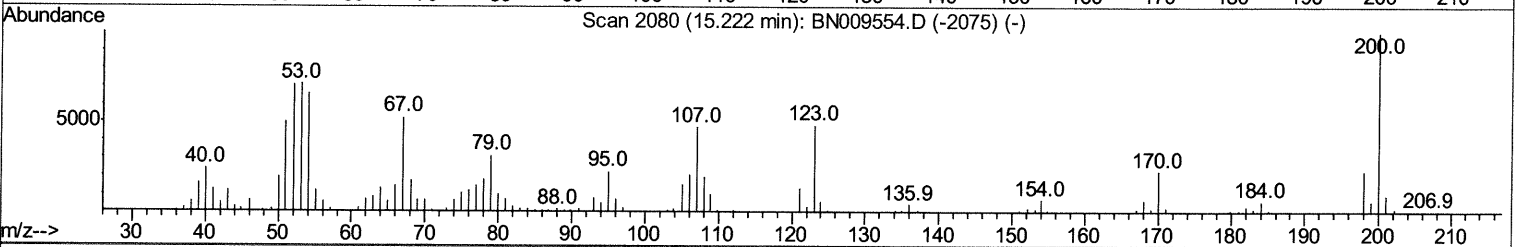
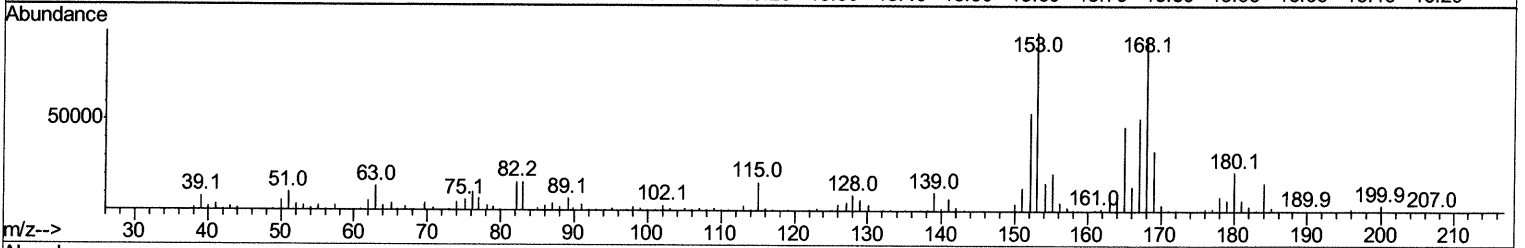
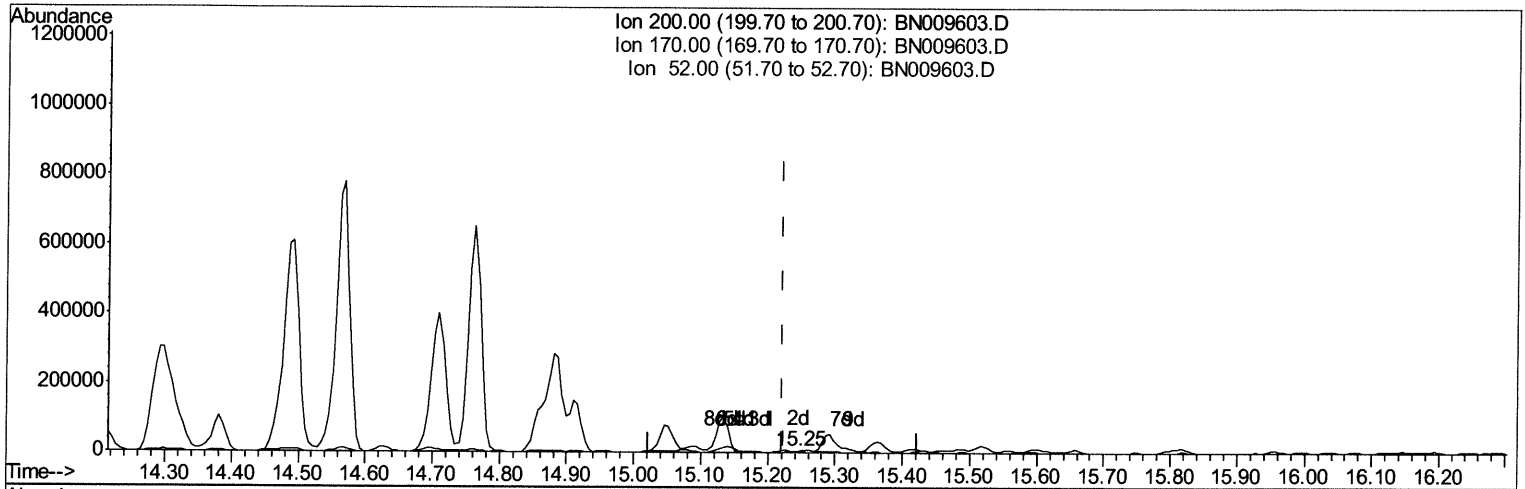
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Manual Integrations
 APPROVED

mohammad
 2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:46:04 2020
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



TIC: BN009603.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.245min (+0.023) 1.13ng/ul m 7402/06/20

response 5814

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	105.12#
52.00	68.10	105.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

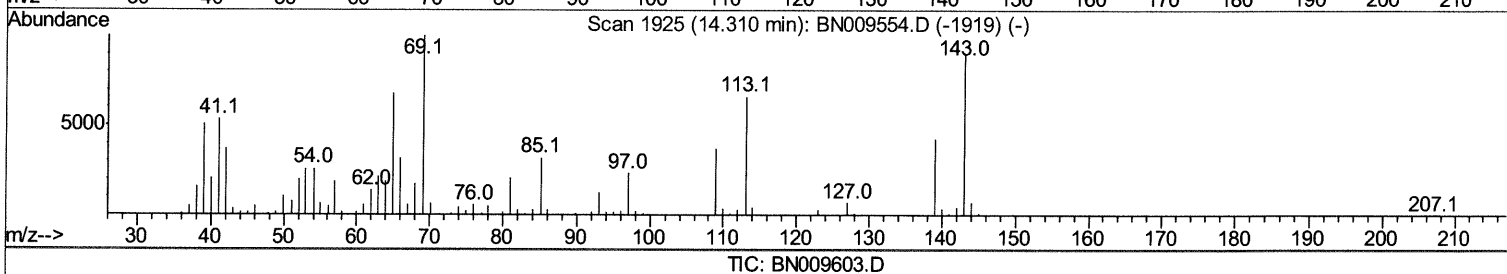
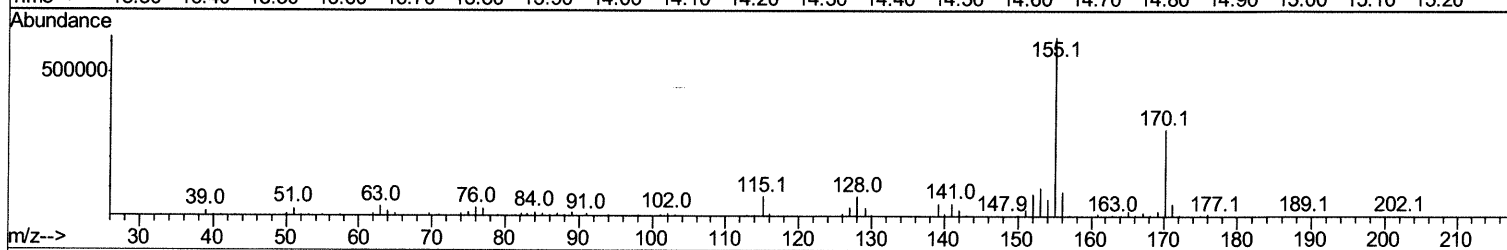
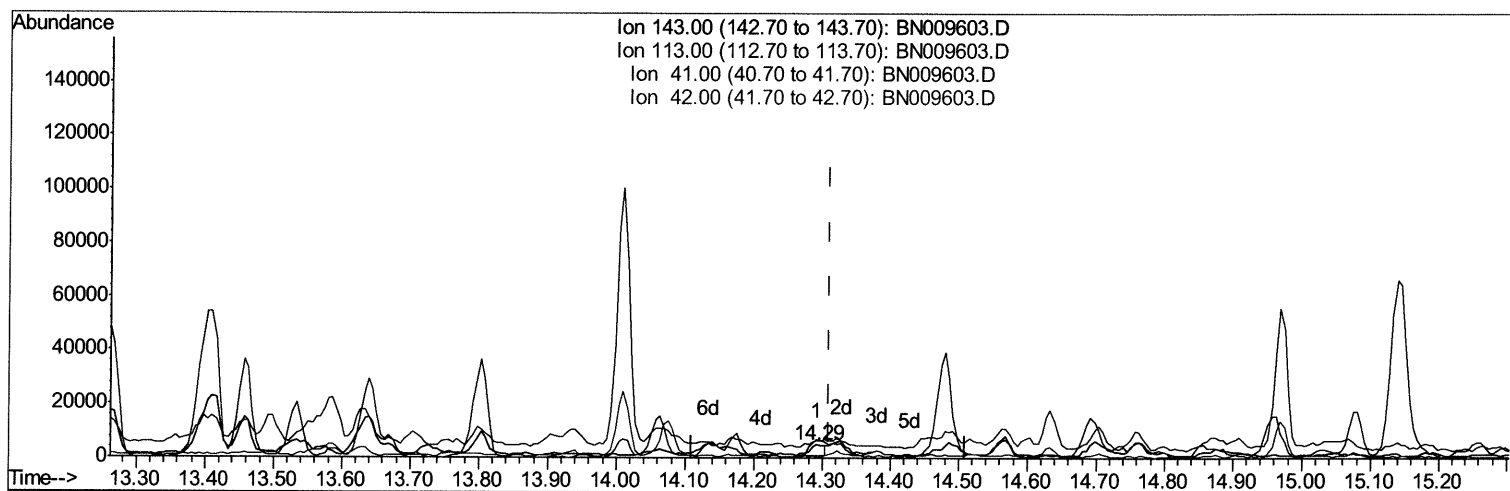
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Data File : BN009603.D
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Operator : CG/JU
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Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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(51) 4-Nitrophenol-d4 (S)

14.292min (-0.018) 0.93ng/ul

response 5893

Ion	Exp%	Act%
143.00	100	100
113.00	77.90	137.90#
41.00	65.40	131.25#
42.00	43.30	13.03#

Quantitation Report (Qedit)

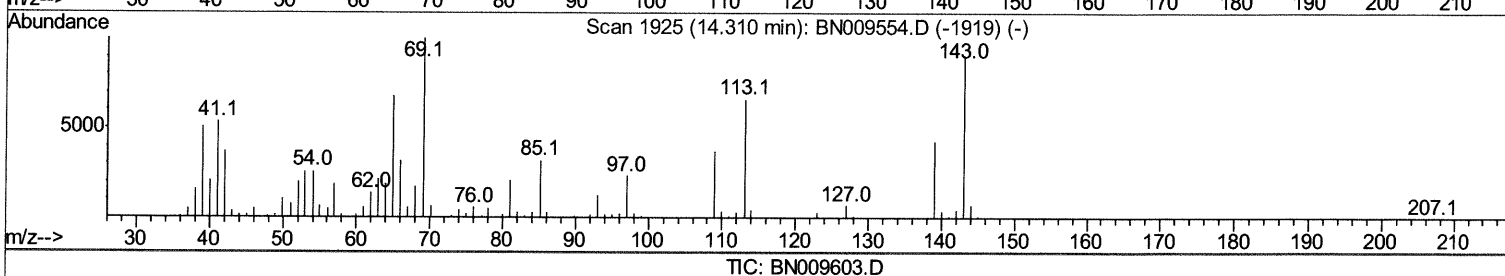
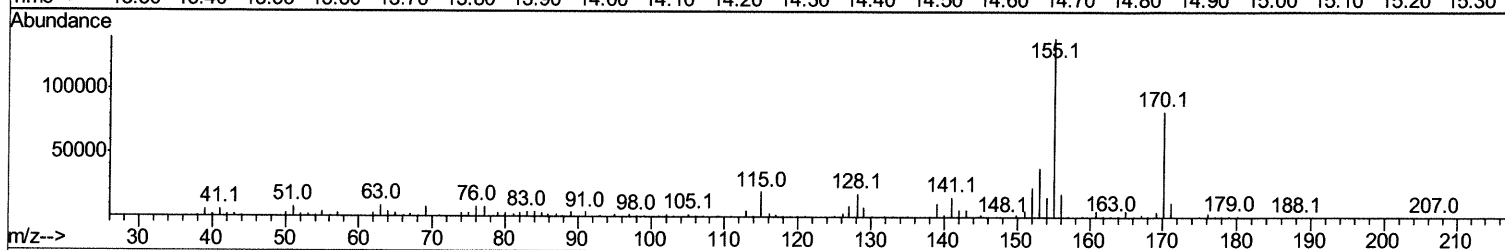
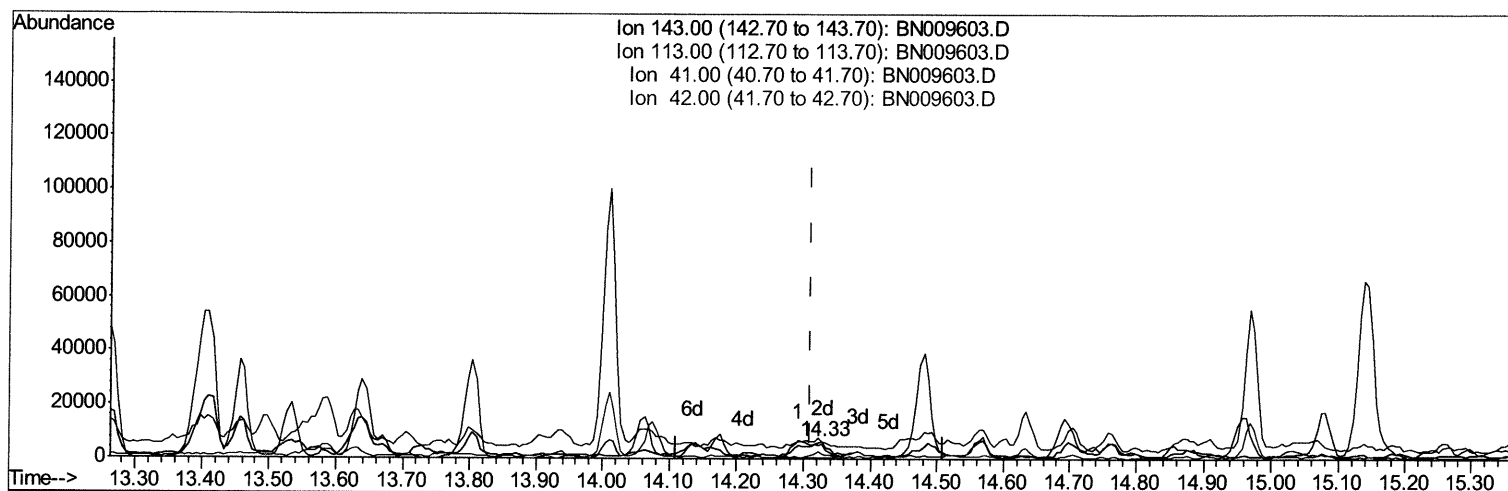
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
Data File : BN009603.D
Acq On : 05 Feb 2020 16:10
Operator : CG/JU
Sample : L1271-06DL 10X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Manual Integrations
APPROVED

mohammad
2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:50:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.328min (+0.018) 2.80ng/ul m JU 02/06/20

response 17694

Ion	Exp%	Act%
143.00	100	100
113.00	77.90	82.26
41.00	65.40	100.57#
42.00	43.30	31.46#

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Manual Integrations
 APPROVED

mohammad
 2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:55:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	160679	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	659098	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	457586	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	822768	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	736336	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	796928	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	569	0.15	ng/uL	0.02
5) Phenol-d5	6.64	99	22094	1.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	16276	1.73	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	16189	1.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	17843	1.60	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	5565	1.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	8814	1.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	18480	1.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	50048	4.54	ng/ul	0.03
43) Dimethylphthalate-d6	13.50	166	78441	2.35	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	76902	1.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	17694m >	2.80	ng/ul >	0.02 JU 02/06/20
57) Fluorene-d10	15.08	176	60014	2.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	5814m }	1.13	ng/ul }	0.02 JU 02/06/20
70) Anthracene-d10	16.93	188	87121m }	2.33	ng/ul }	0.00
78) Pyrene-d10	19.24	212	92723	2.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	91267	2.33	ng/ul	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.25	128	24236340m }	678.085	ng/ul }	J
34) 2-Methylnaphthalene	11.89	142	27698275m }	1107.358	ng/ul }	J
40) 1,1'-Biphenyl	12.90	154	2702761	75.862	ng/ul	99
47) Acenaphthylene	13.80	152	8256142	186.919	ng/ul	98
49) Acenaphthene	14.14	153	829182	27.614	ng/ul	98
53) Dibenzofuran	14.48	168	1050993	25.135	ng/ul	92
58) Fluorene	15.14	166	4924493	140.922	ng/ul	99
69) Phenanthrene	16.89	178	18493231	394.131	ng/ul	92
71) Anthracene	16.97	178	2352456	49.412	ng/ul	99
76) Fluoranthene	18.90	202	4274326	79.815	ng/ul	98
79) Pyrene	19.27	202	6638498	123.501	ng/ul	97
82) Benzo(a)anthracene	21.03	228	2225271m >	43.770	ng/ul >	JU 02/06/20
84) Chrysene	21.08	228	1976536	39.052	ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	1164946	23.364	ng/ul	97
88) Benzo(k)fluoranthene	22.57	252	322915m >	6.576	ng/ul >	JU 02/06/20
90) Benzo(a)pyrene	23.07	252	936827	20.279	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.22	276	445819	8.117	ng/ul	92
92) Dibenzo(a,h)anthracene	25.22	278	155439	3.362	ng/ul#	88
93) Benzo(q,h,i)perylene	25.84	276	375344	8.154	ng/ul	97

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