

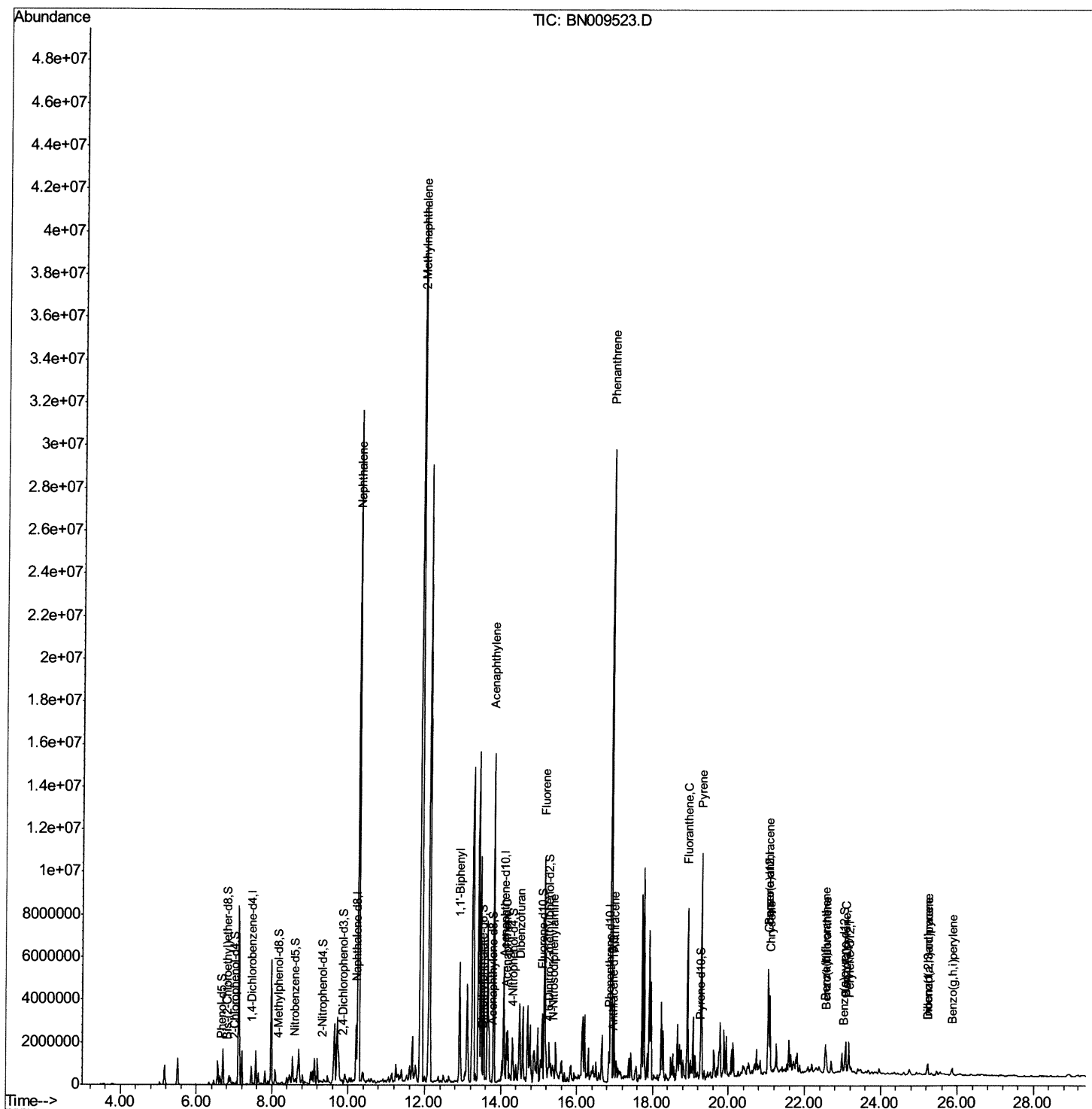
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:11 PM

Quant Time: Feb 01 02:09:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

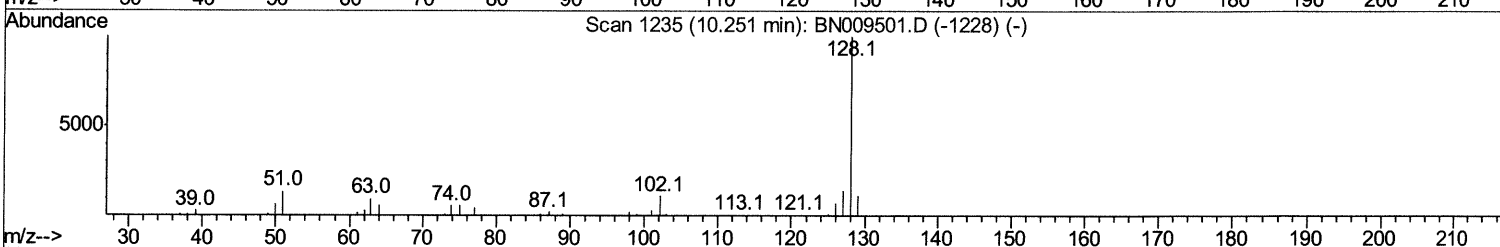
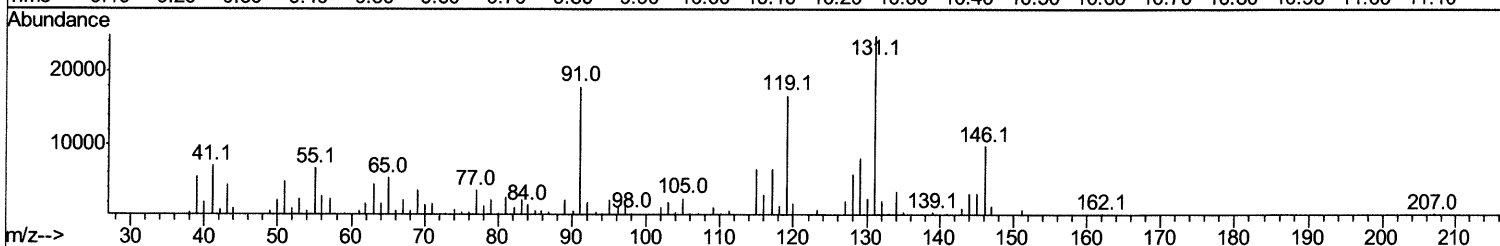
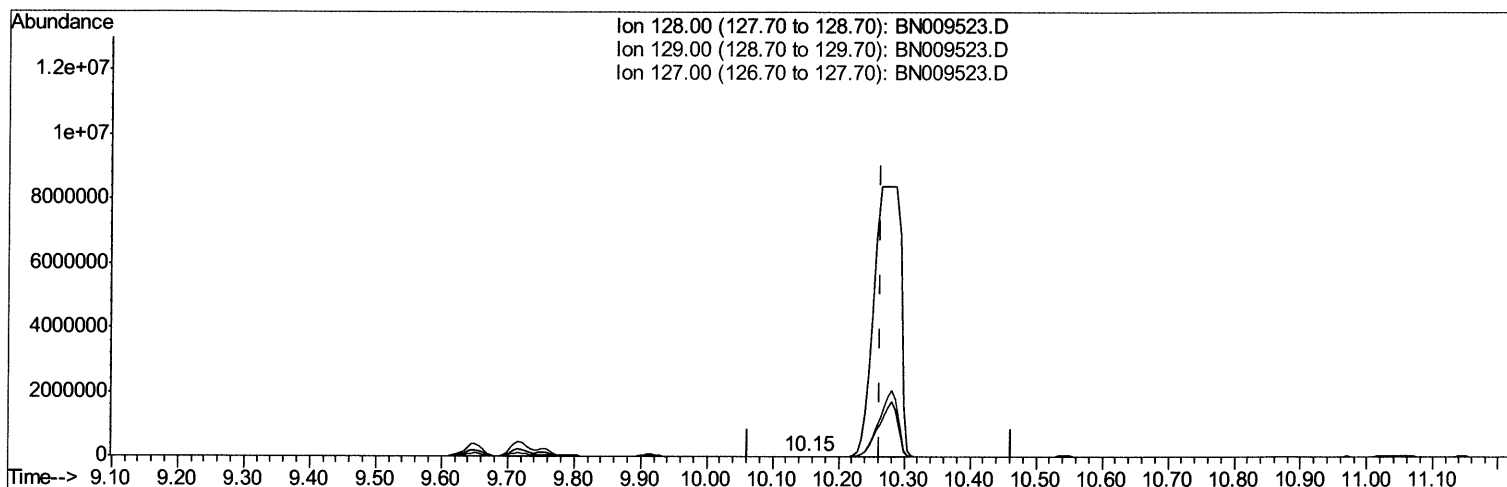
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration



TIC: BN009523.D

(28) Naphthalene

10.151min (-0.112) 0.29ng/ul

response 12532

Ion	Exp%	Act%
128.00	100	100
129.00	10.10	136.64#
127.00	13.80	36.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

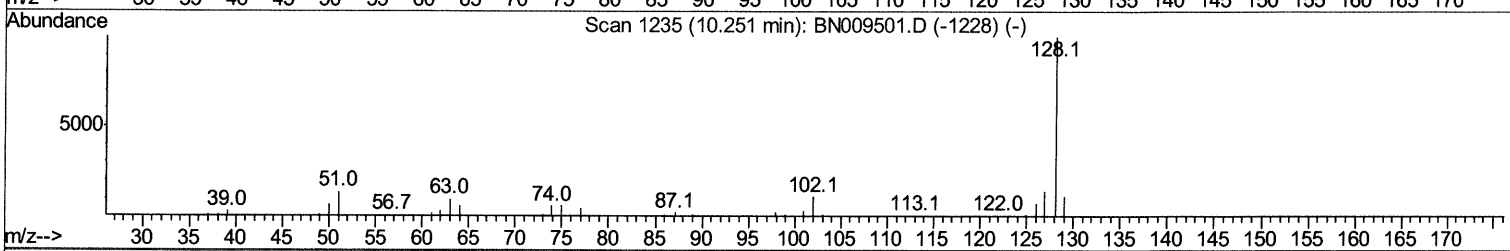
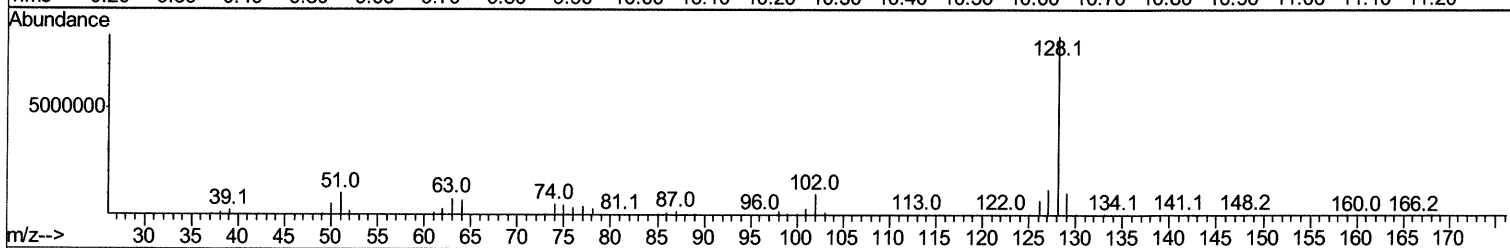
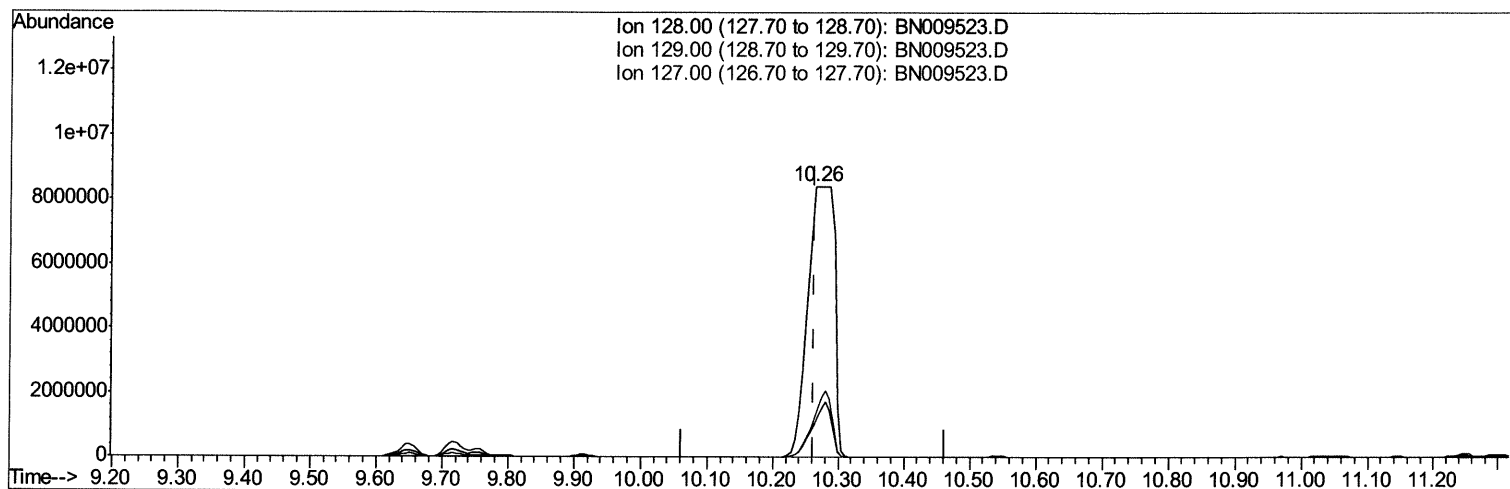
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



TIC: BN009523.D

(28) Naphthalene

10.263min (-0.000) 541.78ng/ul m *JU 02/03/20*

response 23450970

Ion	Exp%	Act%
128.00	100	100
129.00	10.10	12.38#
127.00	13.80	14.53
0.00	0.00	0.00

Quantitation Report (Qedit)

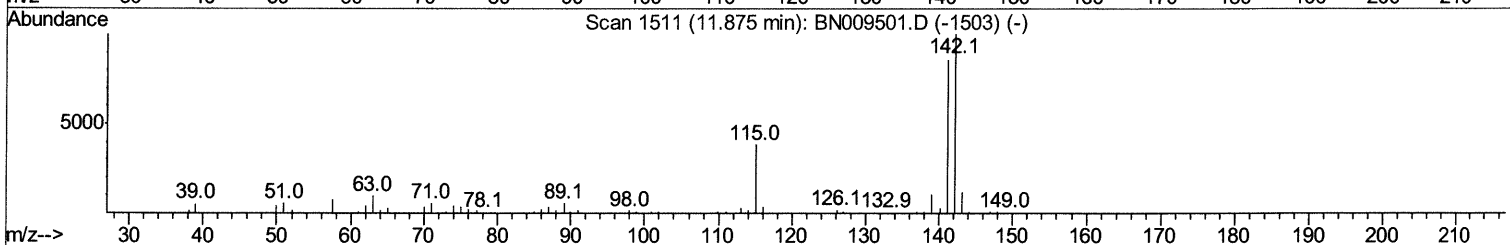
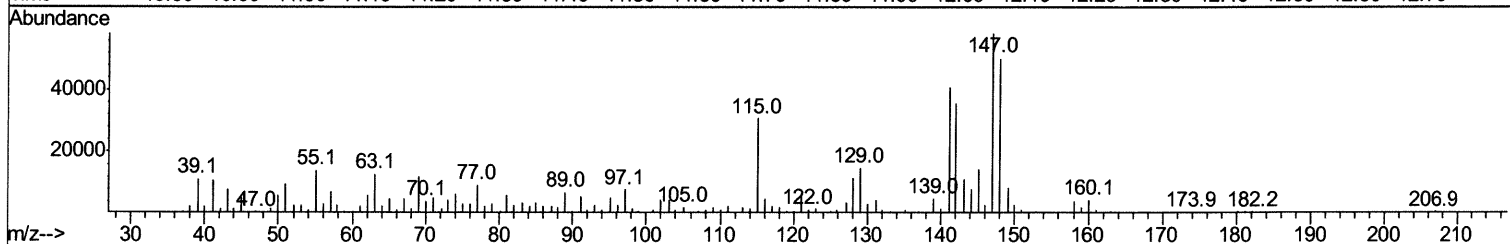
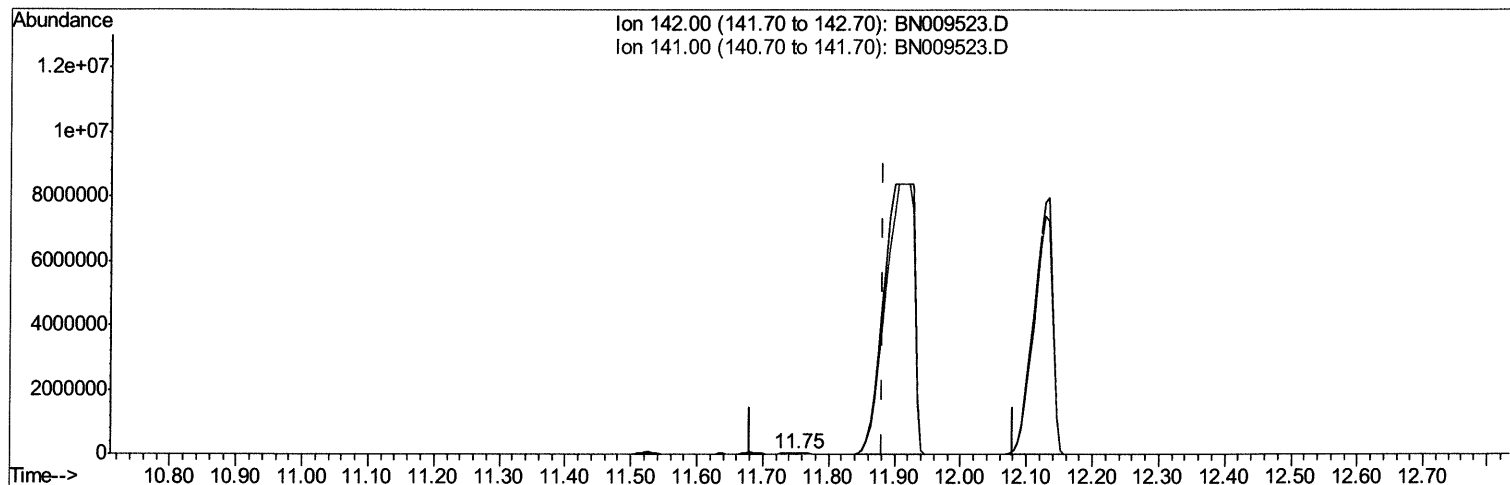
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 GASZ7

Manual Integrations
APPROVED

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Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration



TIC: BN009523.D

(34) 2-Methylnaphthalene

11.751min (-0.130) 3.43ng/ul

response 102325

Ion	Exp%	Act%
142.00	100	100
141.00	86.60	114.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

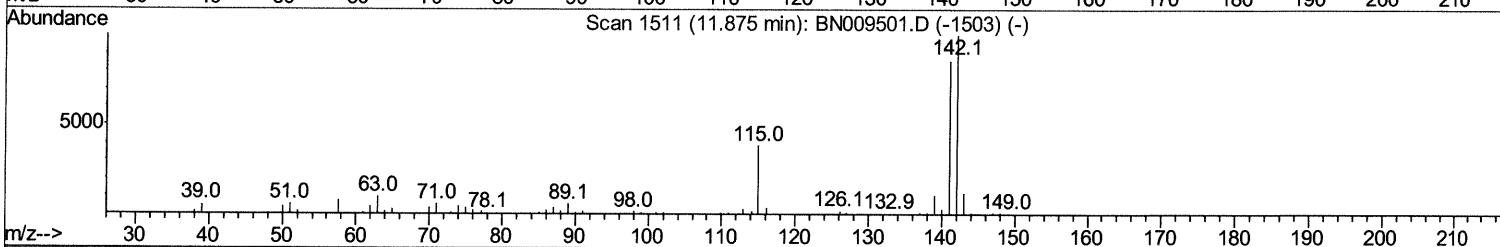
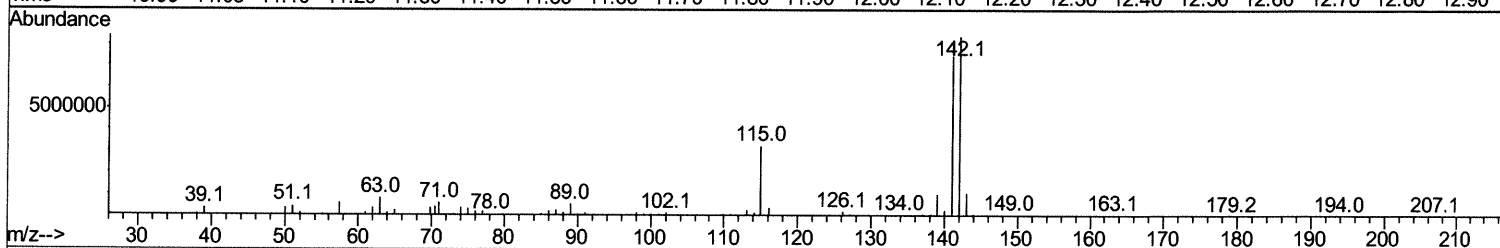
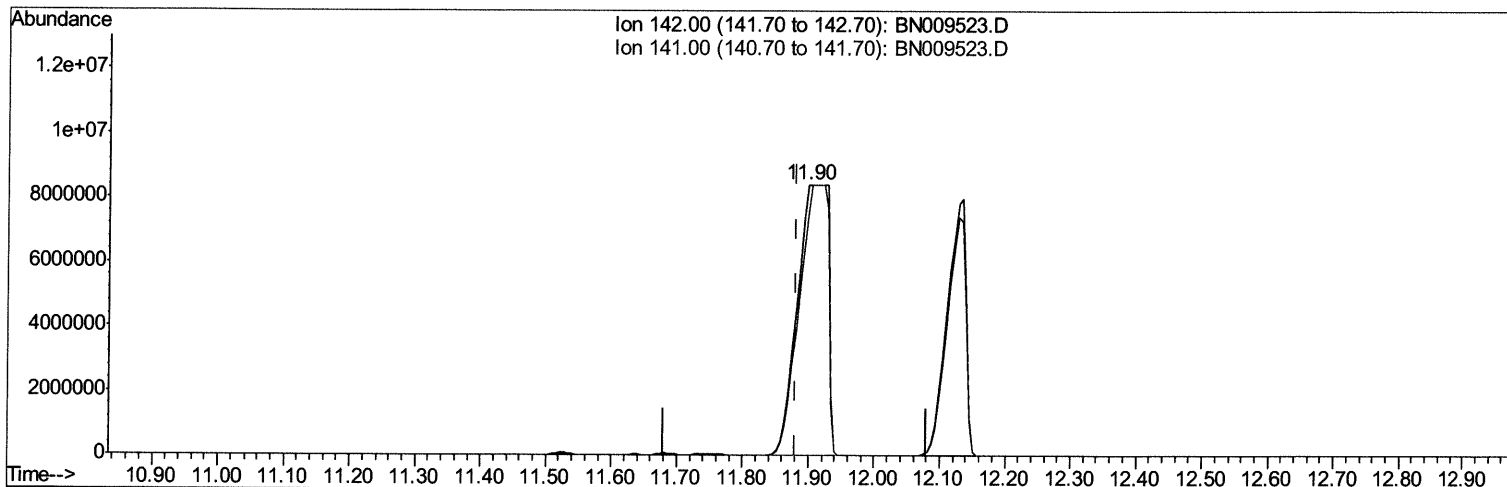
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Manual Integrations
 APPROVED

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Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration



TIC: BN009523.D

(34) 2-Methylnaphthalene

11.898min (+0.017) 910.25ng/ul m **JU 02/03/20**

response 27124203

Ion	Exp%	Act%
142.00	100	100
141.00	86.60	89.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

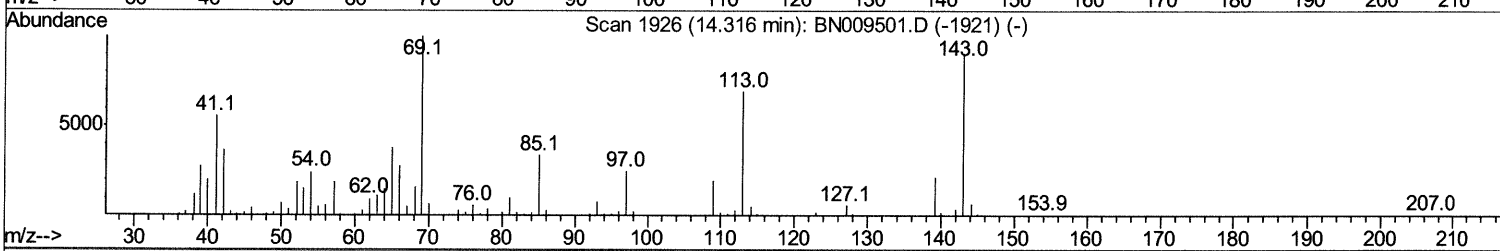
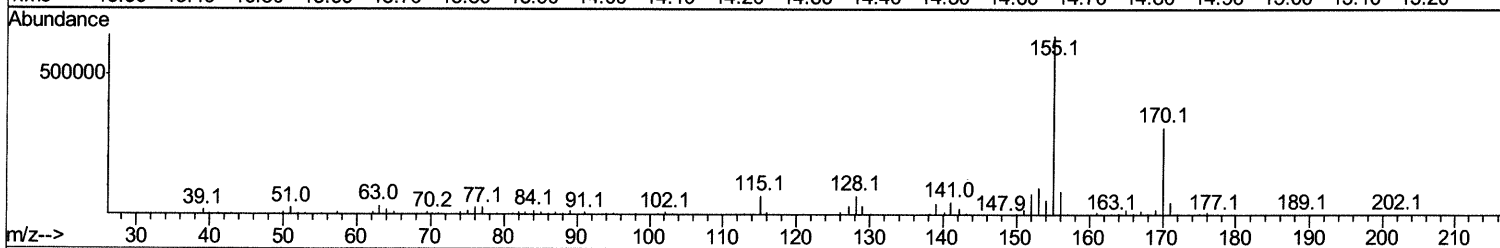
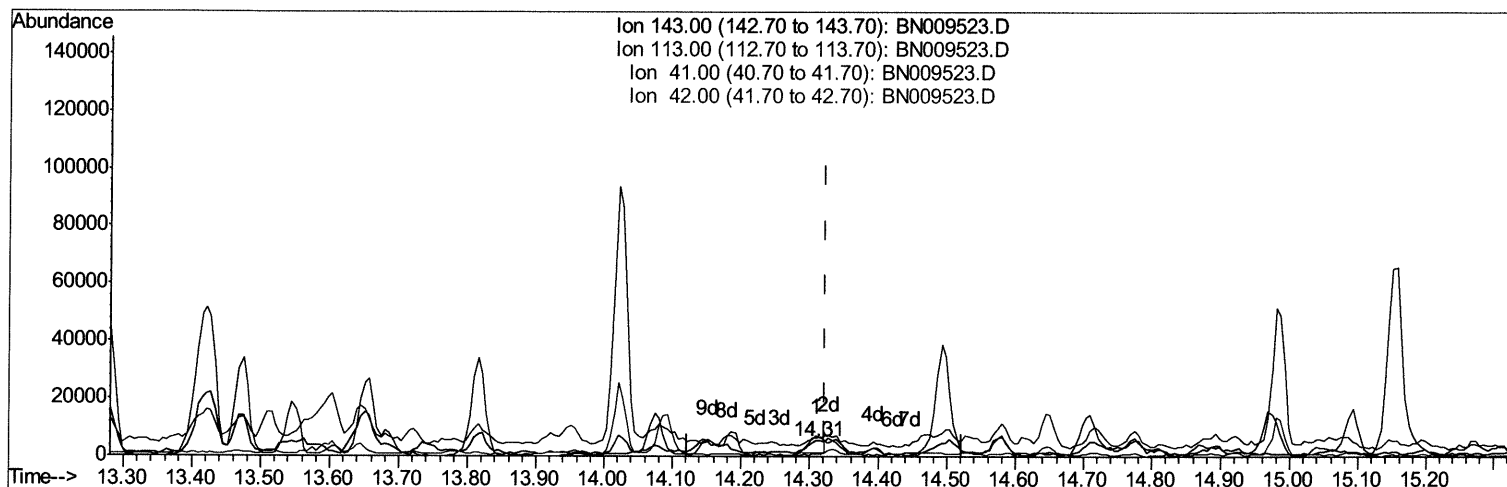
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7

Manual Integrations
APPROVED

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Quant Time: Feb 01 01:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



TIC: BN009523.D

(51) 4-Nitrophenol-d4 (S)

14.310min (-0.012) 1.04ng/ul

response 7481

Ion	Exp%	Act%
143.00	100	100
113.00	88.90	116.86#
41.00	68.90	128.53#
42.00	44.00	13.75#

Quantitation Report (Qedit)

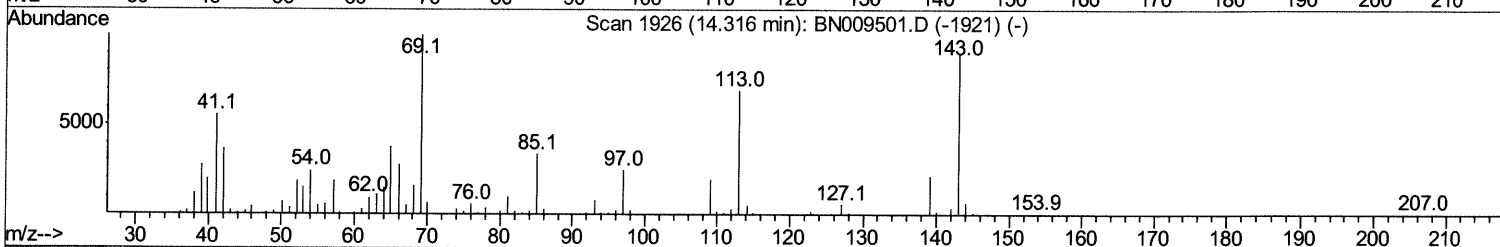
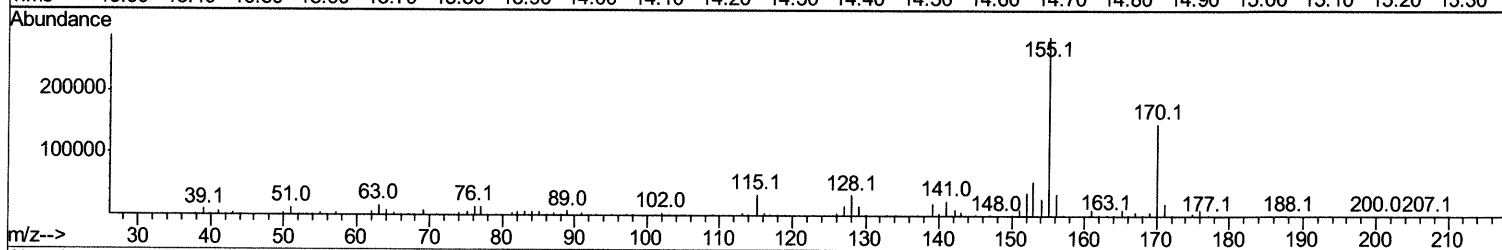
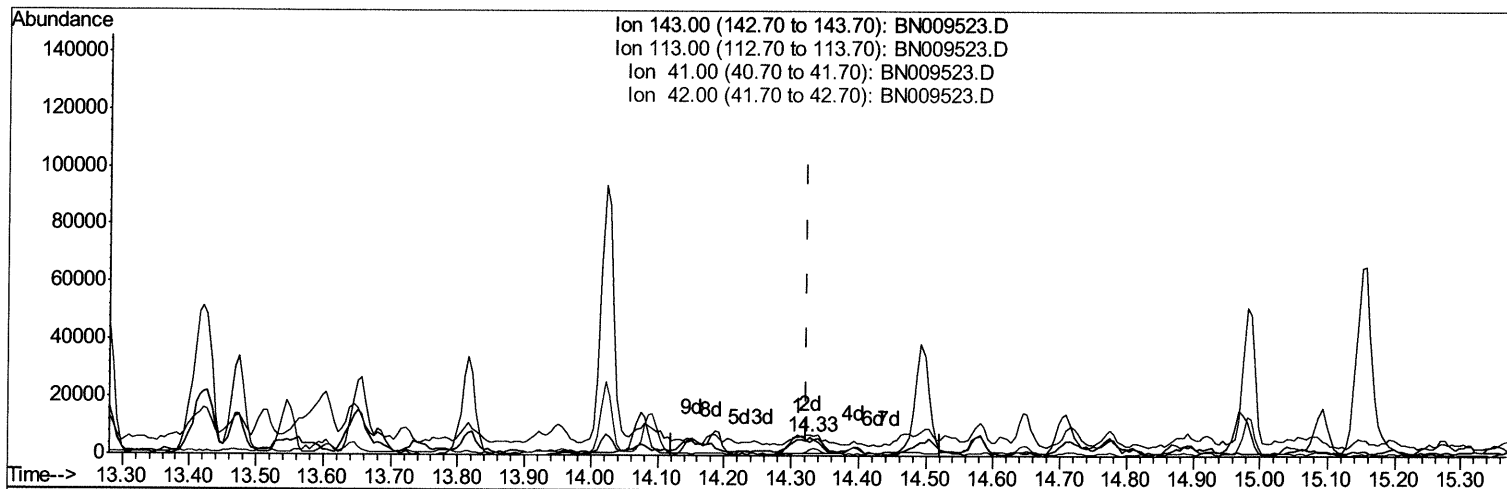
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Manual Integrations
 APPROVED

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 2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration



TIC: BN009523.D

(51) 4-Nitrophenol-d4 (S)

14.327min (+0.005) 2.18ng/ul m **JU 02/03/20**

response 15718

Ion	Exp%	Act%
143.00	100	100
113.00	88.90	72.96
41.00	68.90	110.54#
42.00	44.00	31.50#

Quantitation Report (Qedit)

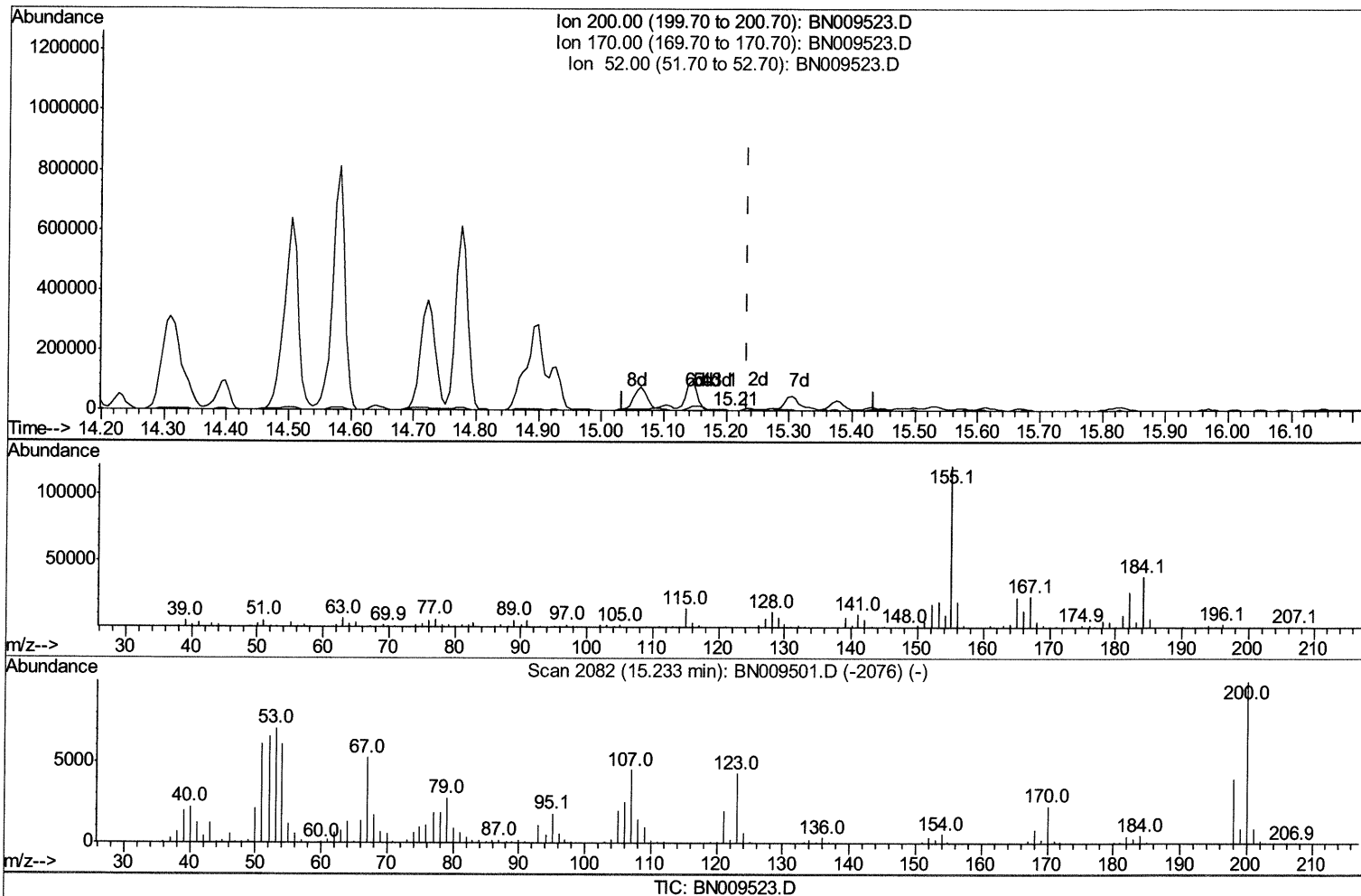
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7

Manual Integrations
APPROVED

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Quant Time: Feb 01 01:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



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

15.210min (-0.024) 0.05ng/ul

response 305

Ion	Exp%	Act%
200.00	100	100
170.00	21.70	190.80#
52.00	72.80	306.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

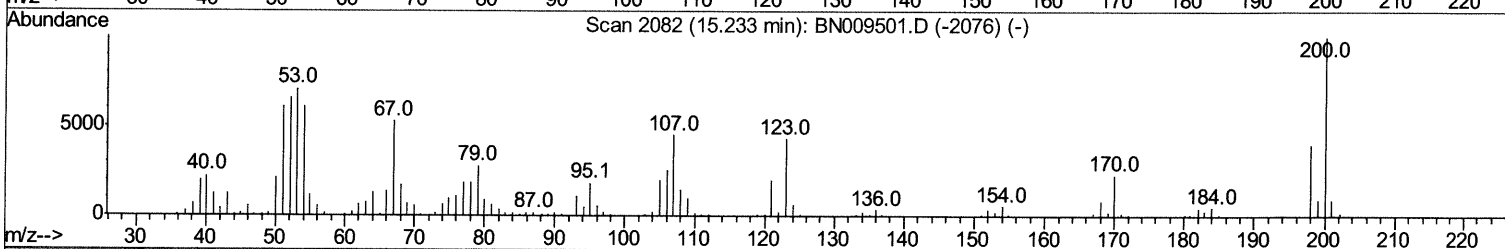
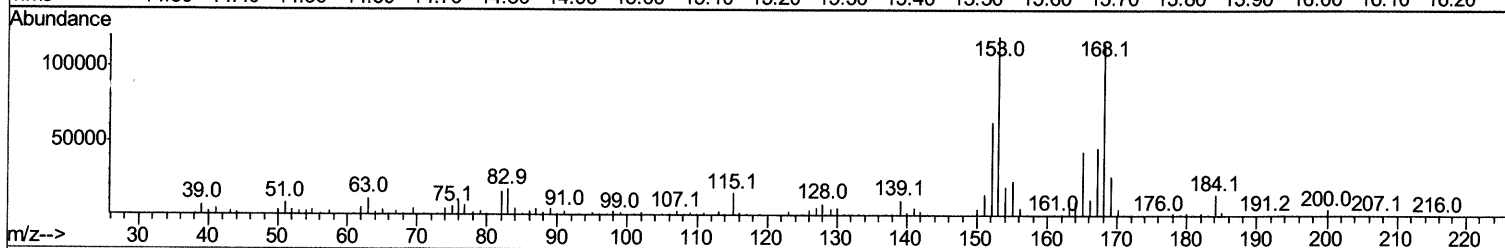
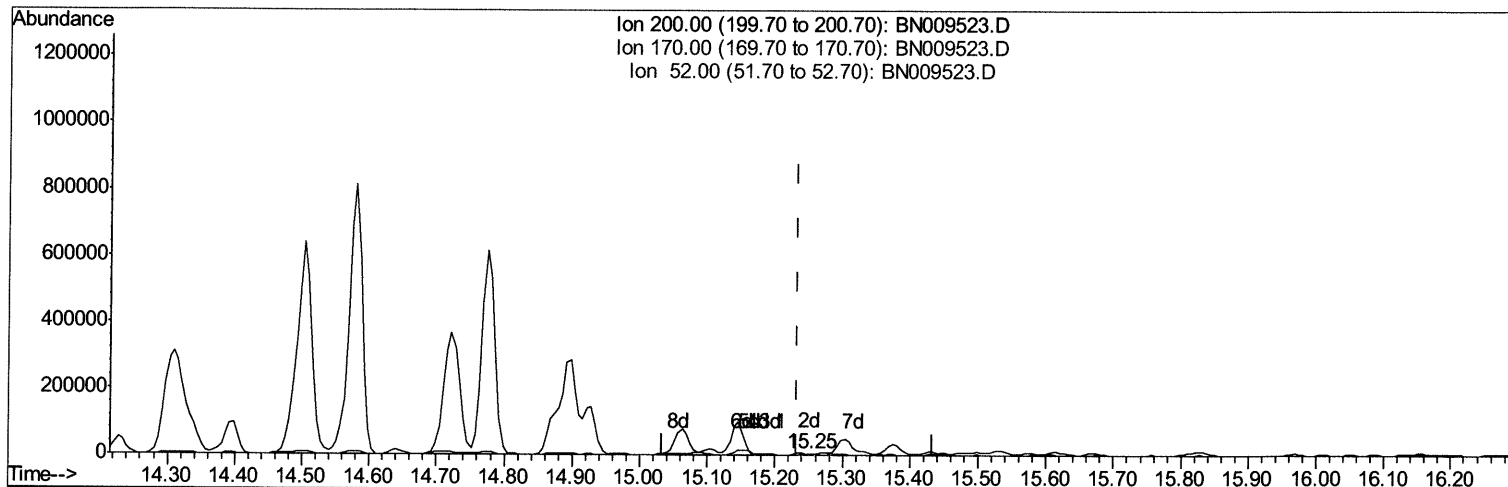
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Manual Integrations
 APPROVED

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 2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration



TIC: BN009523.D

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

15.251min (+0.017) 1.24ng/ul m **JU 02/03/20**

response 7314

Ion	Exp%	Act%
200.00	100	100
170.00	21.70	96.24#
52.00	72.80	94.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

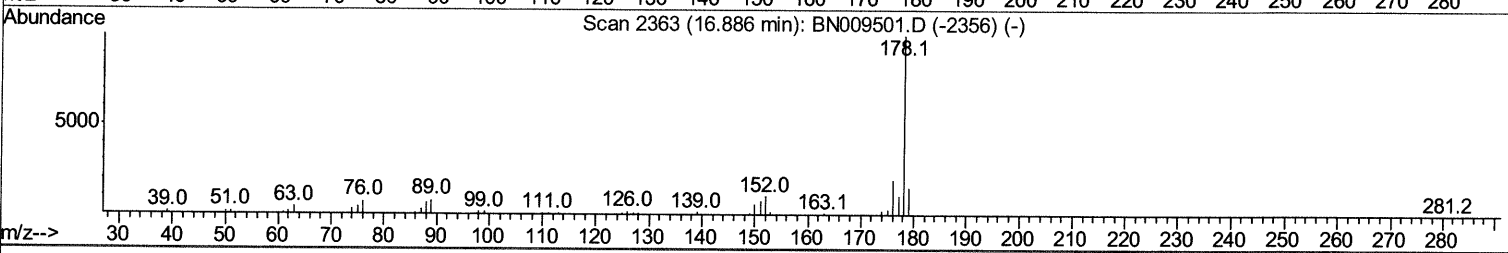
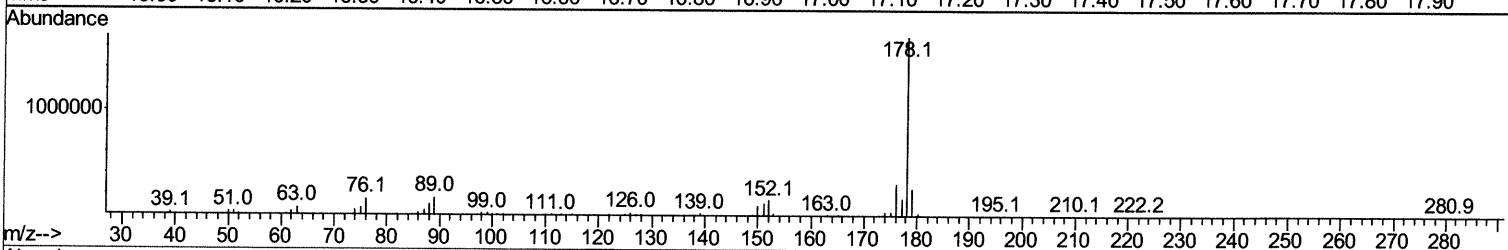
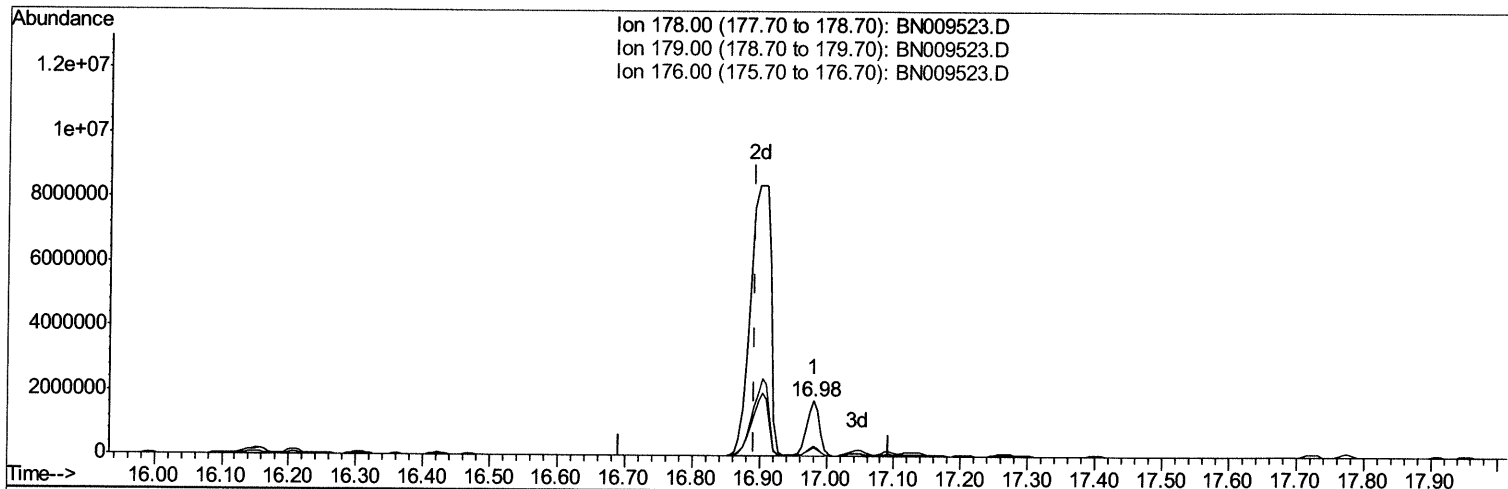
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 GASZ7

Manual Integrations
APPROVED

mohammad
 2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
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TIC: BN009523.D

(69) Phenanthrene

16.980min (+0.088) 40.41ng/ul

response 2215176

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	15.15
176.00	19.40	17.83
0.00	0.00	0.00

Quantitation Report (Qedit)

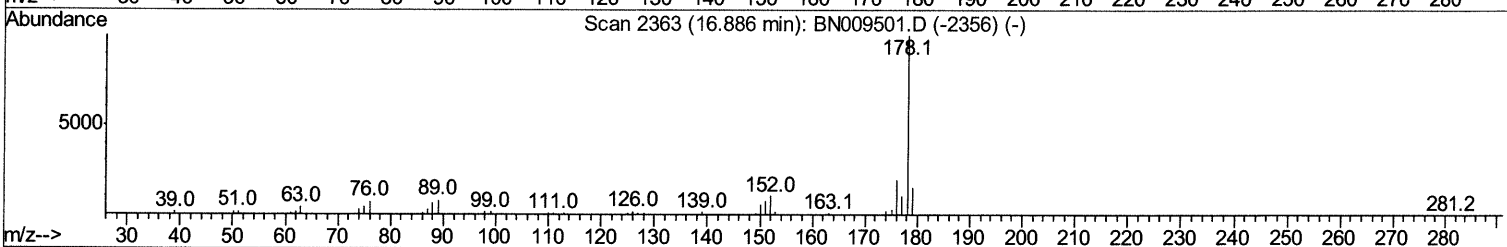
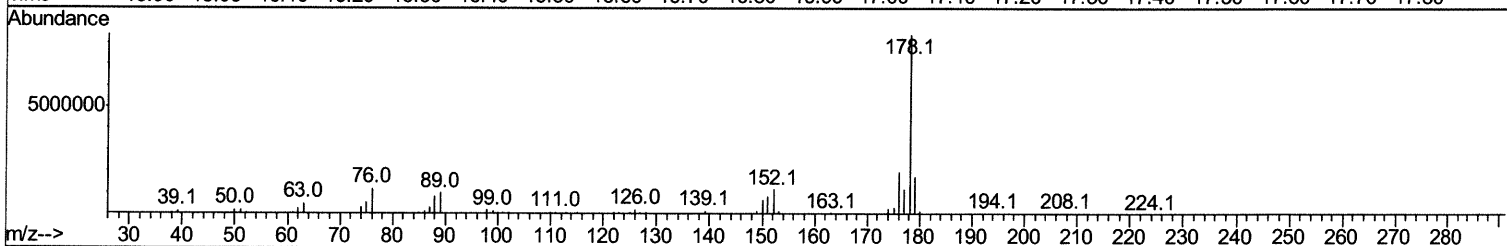
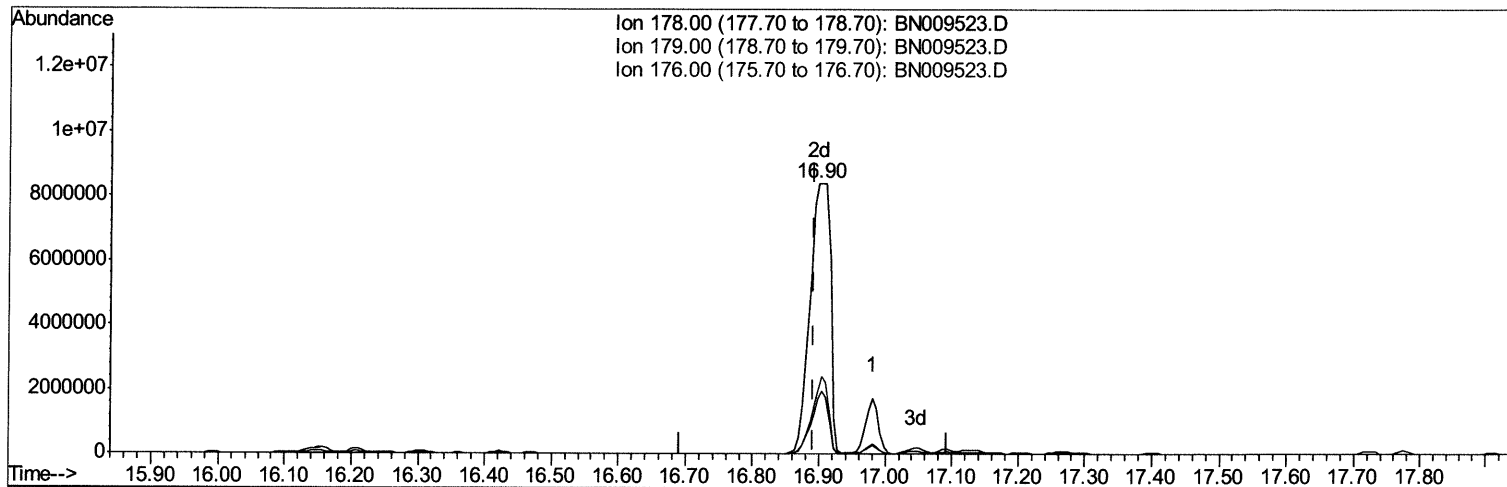
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration



TIC: BN009523.D

(69) Phenanthrene

16.898min (+0.005) 325.98ng/ul m *Ju 02/03/20*

response 17869161

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	20.32#
176.00	19.40	23.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

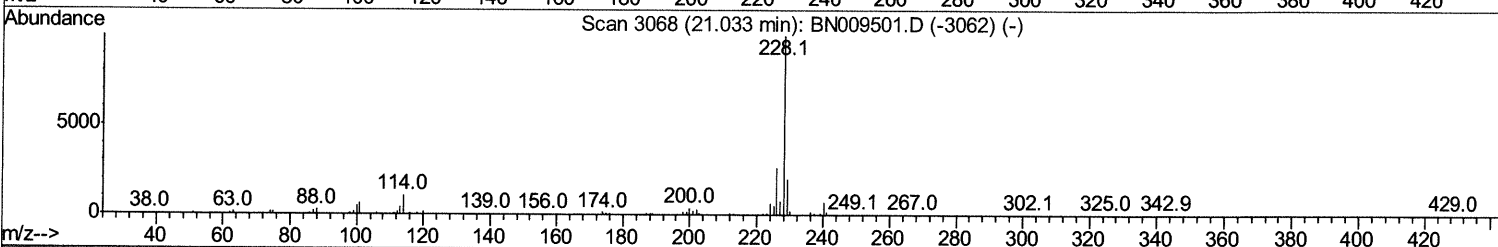
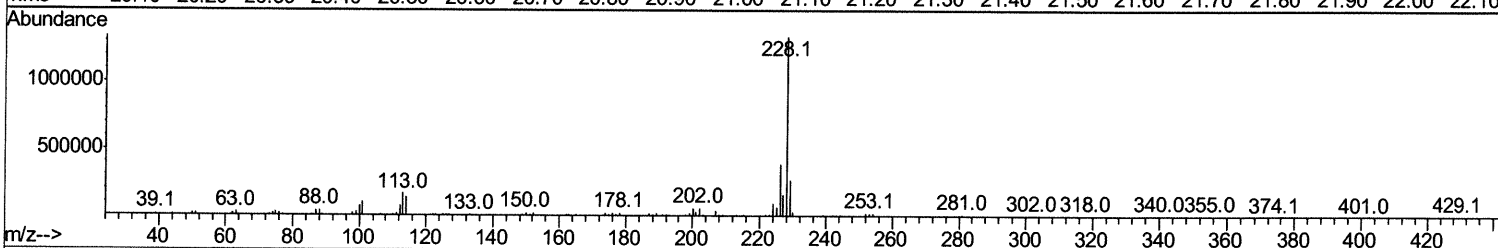
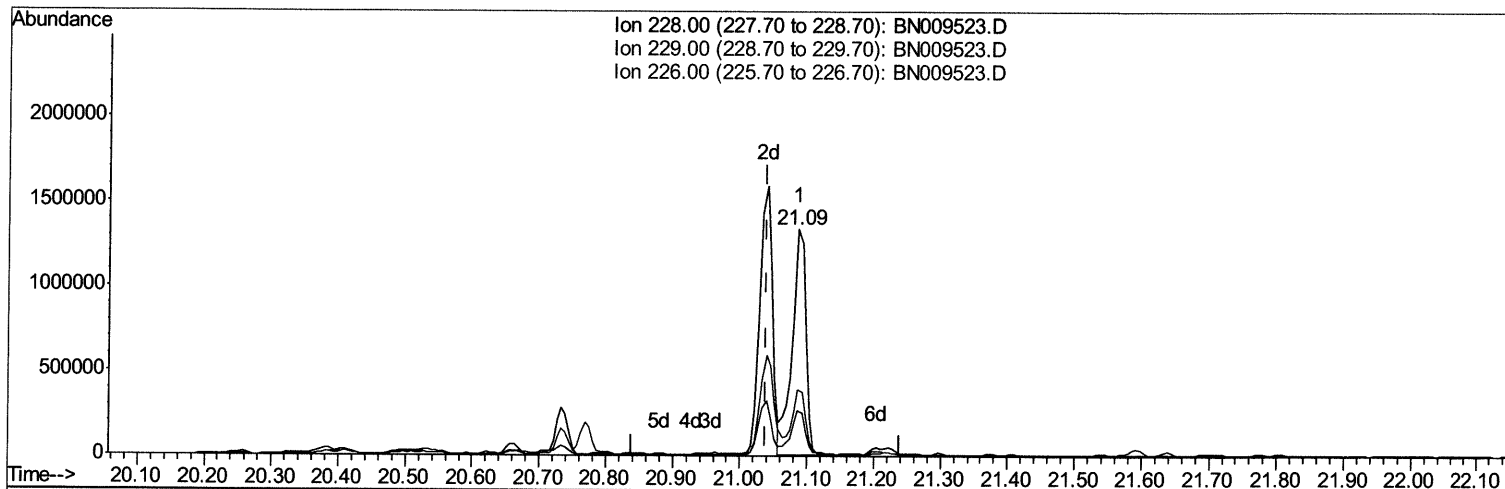
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
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 QLast Update : Fri Jan 31 22:58:20 2020
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TIC: BN009523.D

(82) Benzo(a)anthracene

21.086min (+0.047) 33.00ng/ul

response 1876678

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	19.92
226.00	26.10	28.97
0.00	0.00	0.00

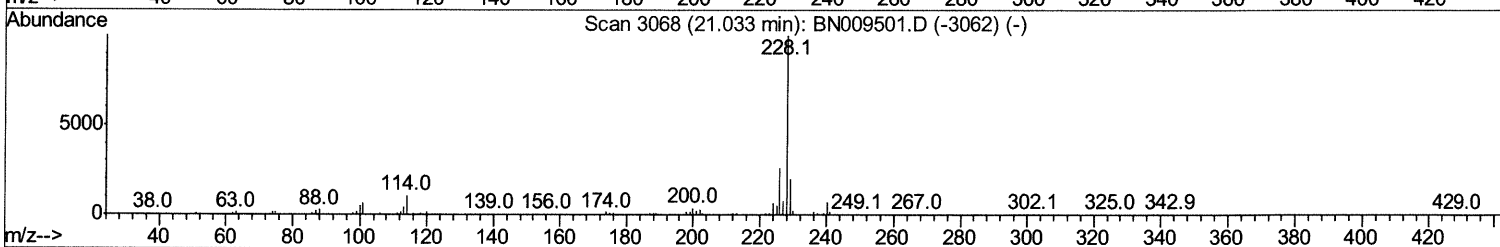
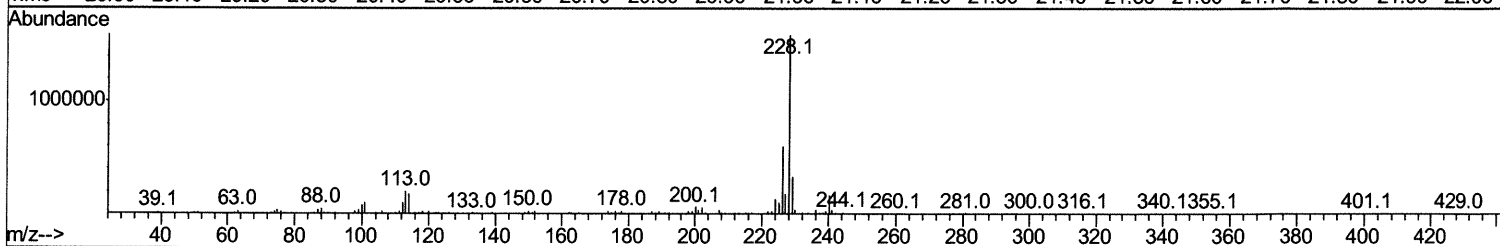
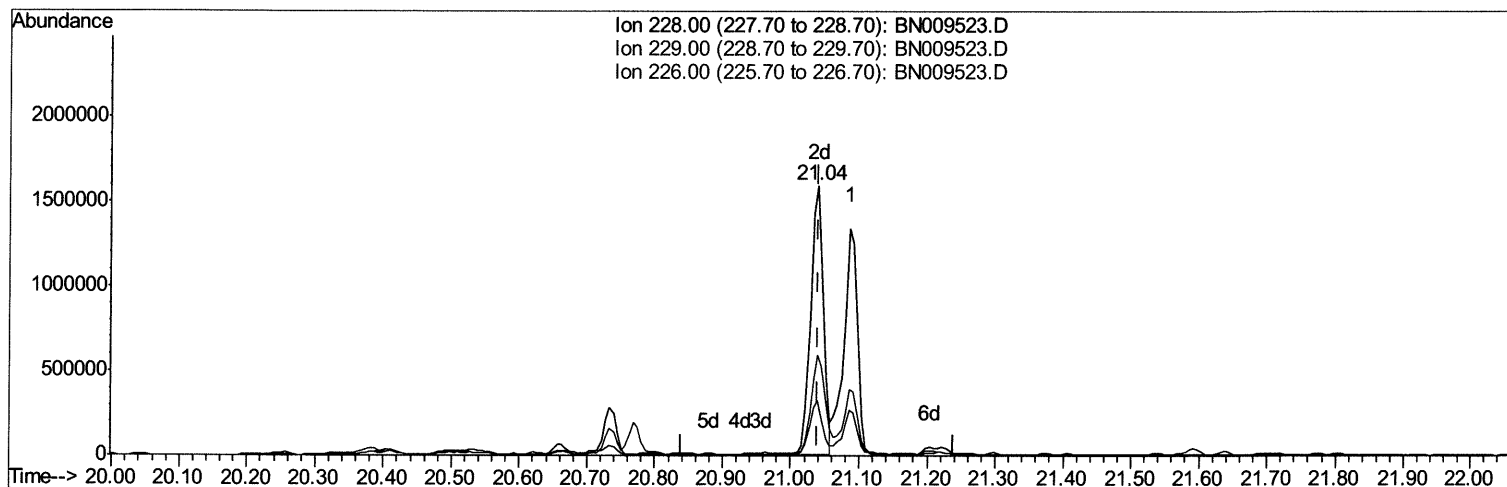
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



TIC: BN009523.D

(82) Benzo(a)anthracene

21.039min (-0.000) 36.57ng/ul m JU 02/03/20

response 2079658

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	20.62
226.00	26.10	37.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

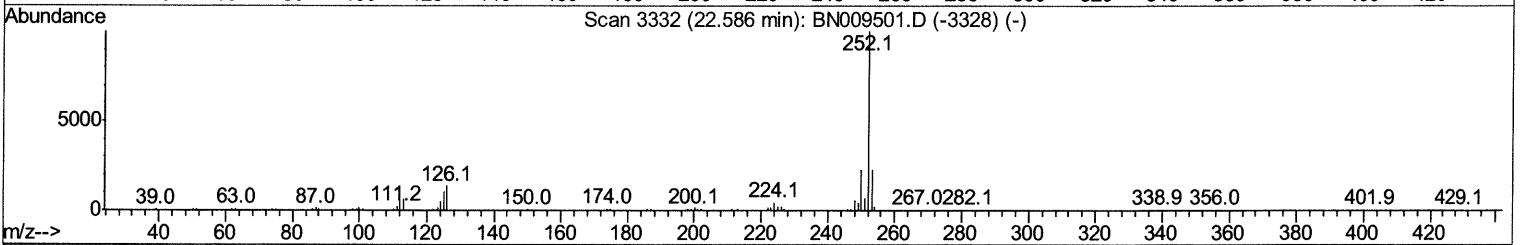
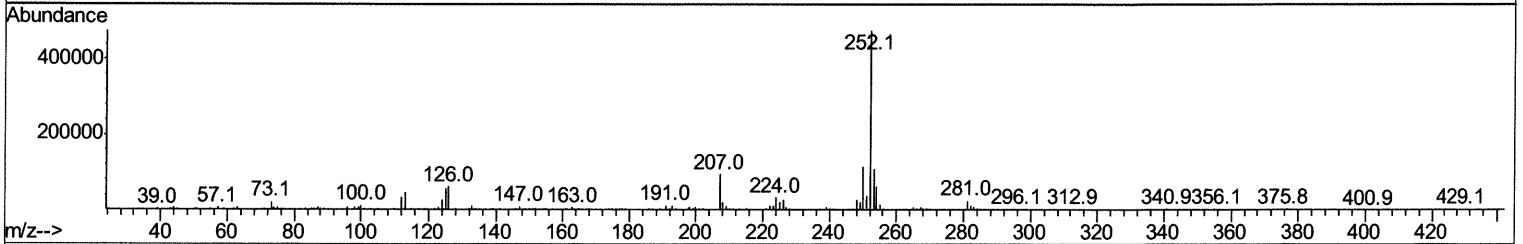
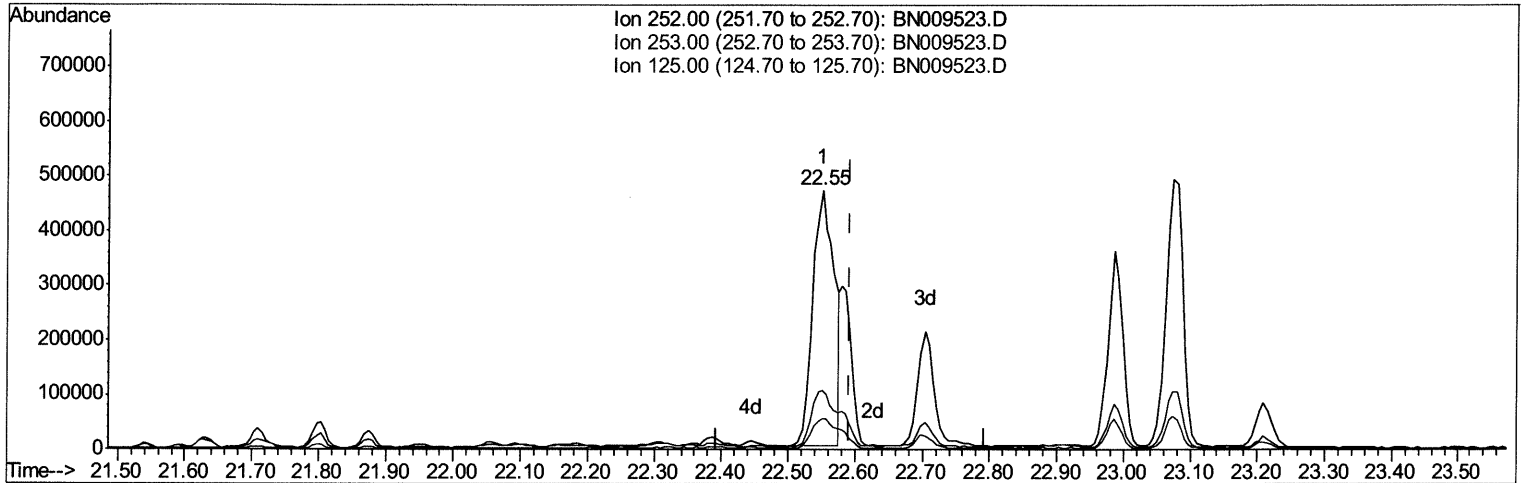
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampled :
 GASZ7

Manual Integrations
APPROVED

mohammad
 2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
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TIC: BN009523.D

(88) Benzo(k)fluoranthene

22.551min (-0.042) 18.53ng/ul

response 1040978

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	22.65
125.00	9.80	11.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

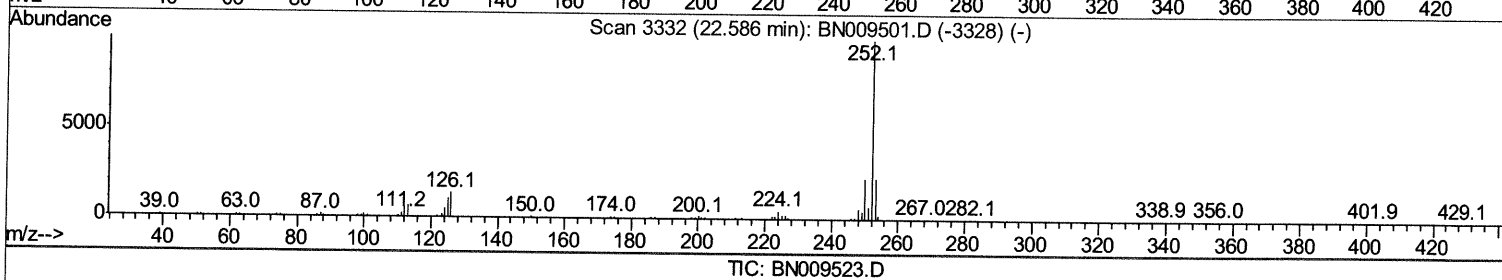
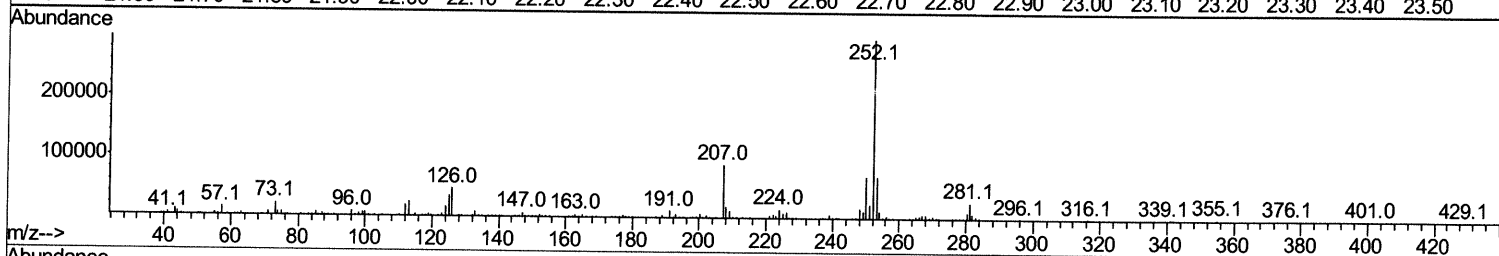
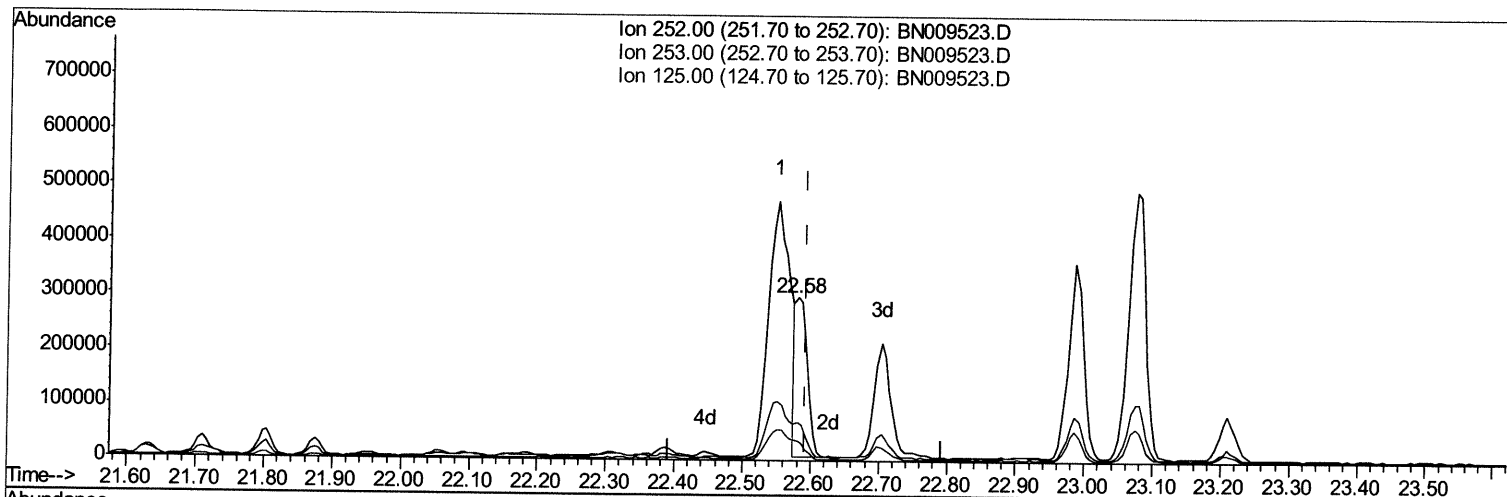
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.580min (-0.012) 5.92ng/ul m **JU 02/03/20**

response 332431

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	23.46
125.00	9.80	11.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

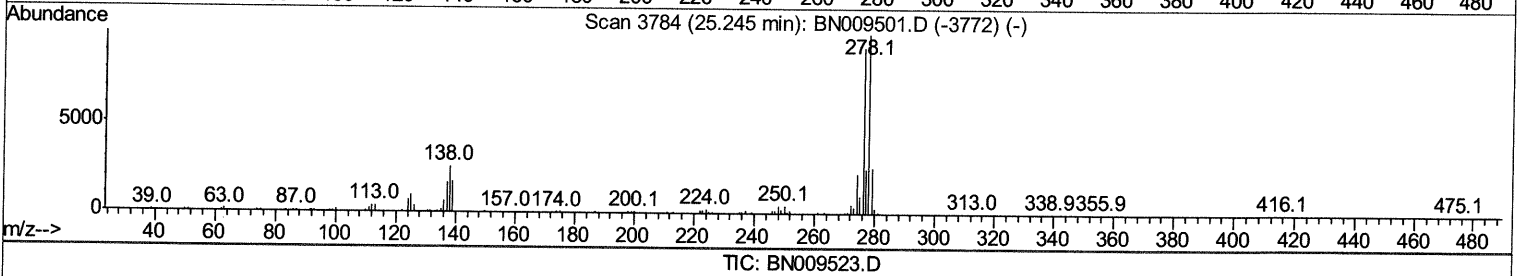
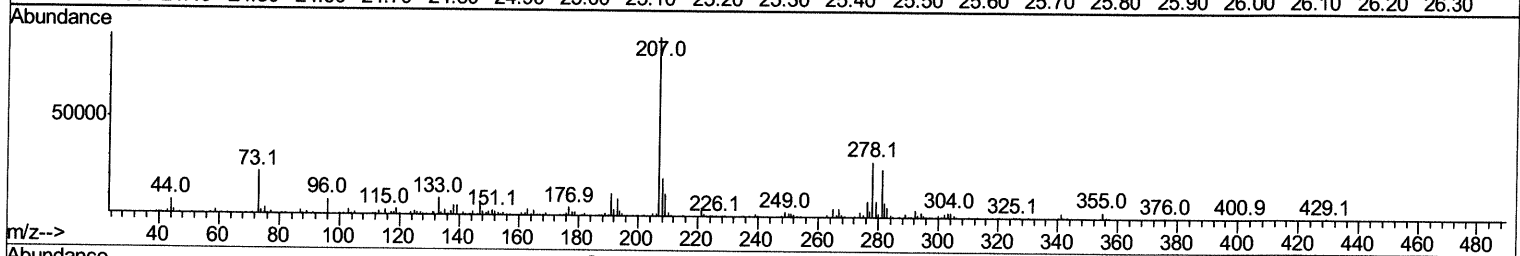
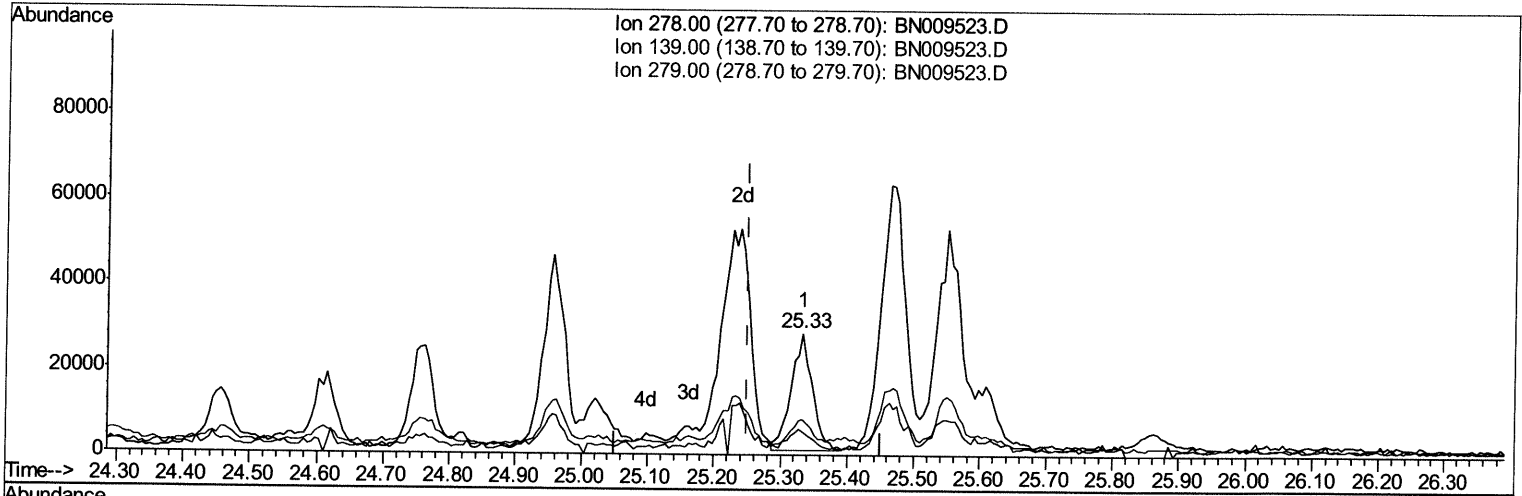
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASZ7

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

25.333min (+0.082) 1.15ng/ul

response 60412

Ion	Exp%	Act%
278.00	100	100
139.00	17.40	19.52
279.00	24.10	28.86
0.00	0.00	0.00

Quantitation Report (Qedit)

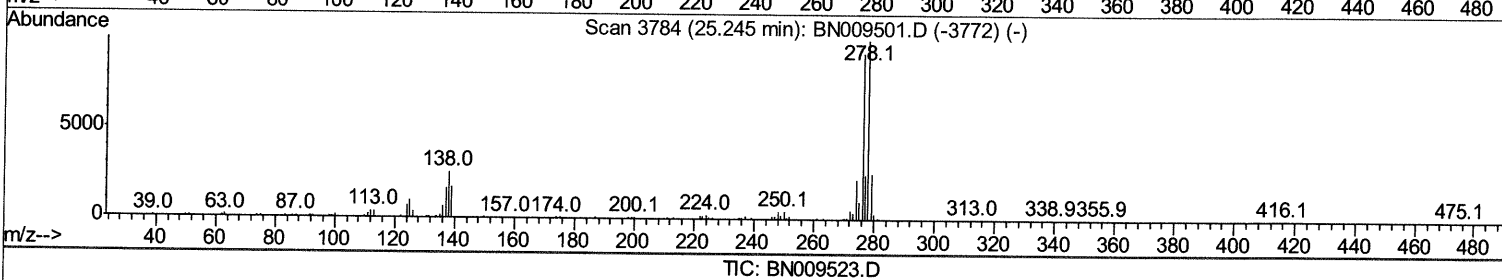
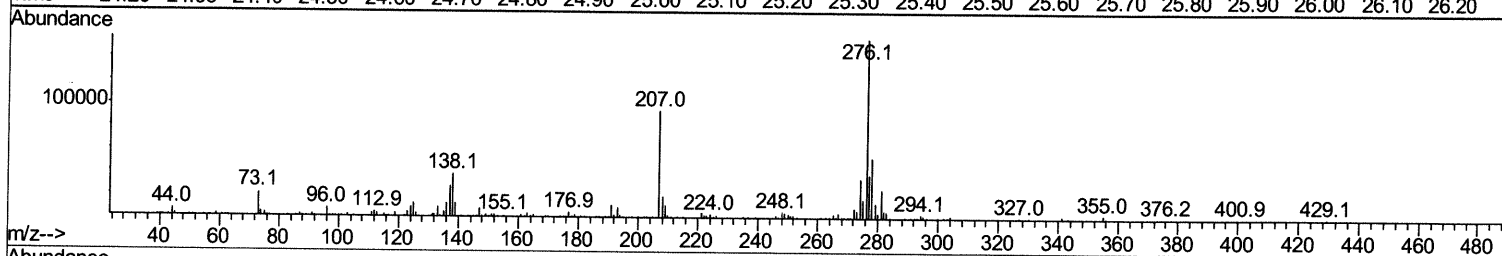
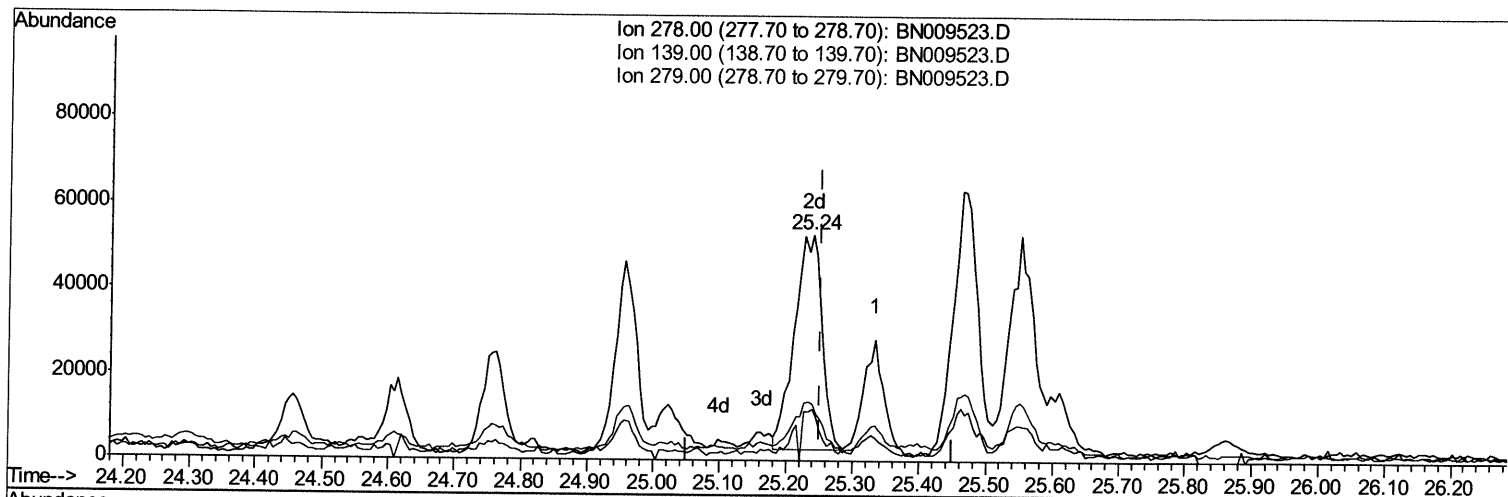
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009523.D
Acq On : 31 Jan 2020 22:23
Operator : CG/JU
Sample : L1271-06 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
GASZ7

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:11 PM

Quant Time: Feb 01 01:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 31 22:58:20 2020
Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

25.239min (-0.012) 2.78ng/ul m *JU 02/03/20*

response 145679

Ion	Exp%	Act%
278.00	100	100
139.00	17.40	22.97#
279.00	24.10	24.84
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN013020\
 Data File : BN009523.D
 Acq On : 31 Jan 2020 22:23
 Operator : CG/JU
 Sample : L1271-06 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:09:11 PM

Quant Time: Feb 01 02:09:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	195287	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.21	136	804339	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.09	164	523433	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.84	188	971508	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	835146	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	903367	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	874	0.19	ng/uL	0.02
5) Phenol-d5	6.66	99	26673	1.54	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.81	67	19348	1.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	20447	1.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	20574	1.49	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	16293	2.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	10417	1.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	21264	1.75	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.52	166	82474	2.13	ng/ul	0.00
46) Acenaphthylene-d8	13.78	160	82150	1.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	15718m >	2.18	ng/ul >	0.00 JU 02/03/20
57) Fluorene-d10	15.09	176	64947	1.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	7314m >	1.24	ng/ul >	0.02 JU 02/03/20
70) Anthracene-d10	16.94	188	92130	2.05	ng/ul	0.00
78) Pyrene-d10	19.24	212	95452	2.12	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	92796	2.03	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.26	128	23450970m	541.784	ng/ul	
34) 2-Methylnaphthalene	11.90	142	27124203m	910.252	ng/ul	JU 02/03/20
40) 1,1'-Biphenyl	12.92	154	2657169	67.041	ng/ul	99
47) Acenaphthylene	13.82	152	7860676	158.412	ng/ul	98
49) Acenaphthene	14.16	153	792458	23.409	ng/ul	99
53) Dibenzofuran	14.49	168	1028186	21.860	ng/ul	98
58) Fluorene	15.16	166	4871401	123.603	ng/ul	97
64) N-Nitrosodiphenylamine	15.37	169	82316	2.862	ng/ul#	87
69) Phenanthrene	16.90	178	17869161m >	325.978	ng/ul >	JU 02/03/20
71) Anthracene	16.98	178	2225726	39.878	ng/ul	99
76) Fluoranthene	18.92	202	4082647	64.970	ng/ul	99
79) Pyrene	19.28	202	6377995	105.473	ng/ul	96
82) Benzo(a)anthracene	21.04	228	2079658m >	36.567	ng/ul >	JU 02/03/20
84) Chrysene	21.09	228	1877094	33.882	ng/ul	99
87) Benzo(b)fluoranthene	22.55	252	1040978	18.225	ng/ul	96
88) Benzo(k)fluoranthene	22.58	252	332431m >	5.919	ng/ul >	JU 02/03/20
90) Benzo(a)pyrene	23.07	252	851904	16.616	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	406825	6.548	ng/ul	96
92) Dibenzo(a,h)anthracene	25.24	278	145679m >	2.779	ng/ul >	JU 02/03/20
93) Benzo(a,h,i)perylene	25.86	276	338587	6.551	ng/ul	98

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