

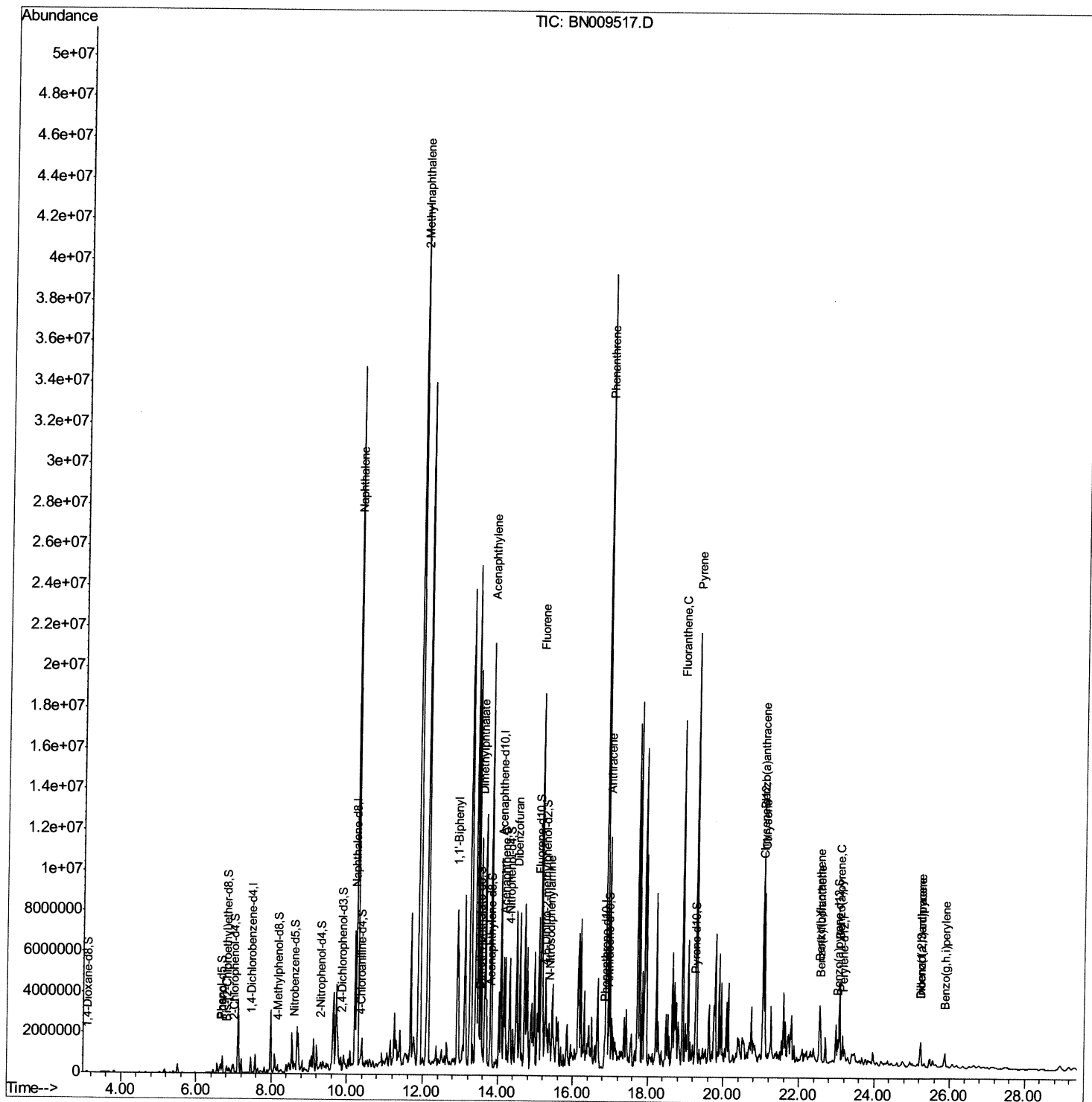
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009517.D
Acq On : 31 Jan 2020 18:48
Operator : CG/JU
Sample : L1271-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT01

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:50 PM

Quant Time: Feb 01 03:23:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

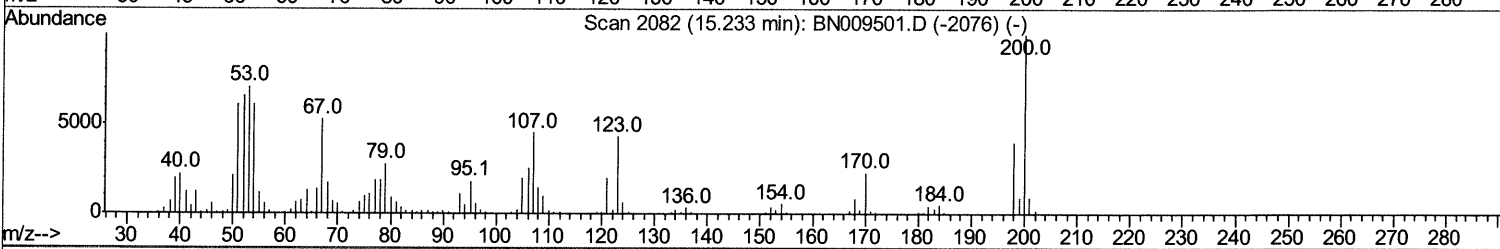
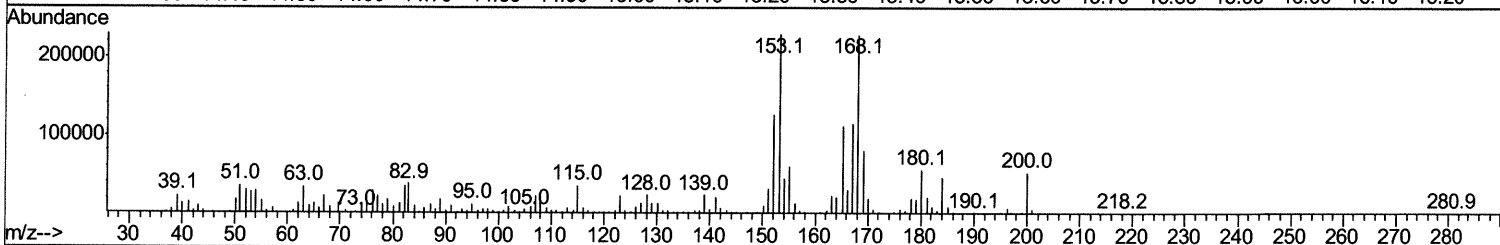
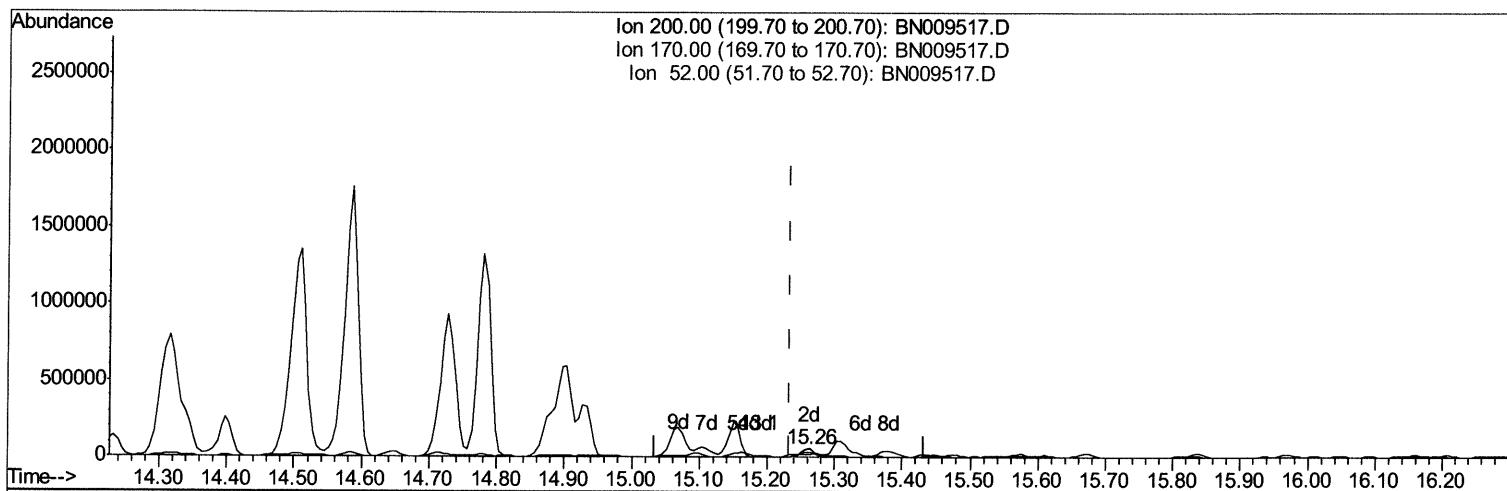
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009517.D
Acq On : 31 Jan 2020 18:48
Operator : CG/JU
Sample : L1271-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT01

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:46:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration



TIC: BN009517.D

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

15.263min (+0.029) 14.65ng/ul m **JU 02/03/20**

response 75079

Ion	Exp%	Act%
200.00	100	100
170.00	21.70	37.27#
52.00	72.80	57.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

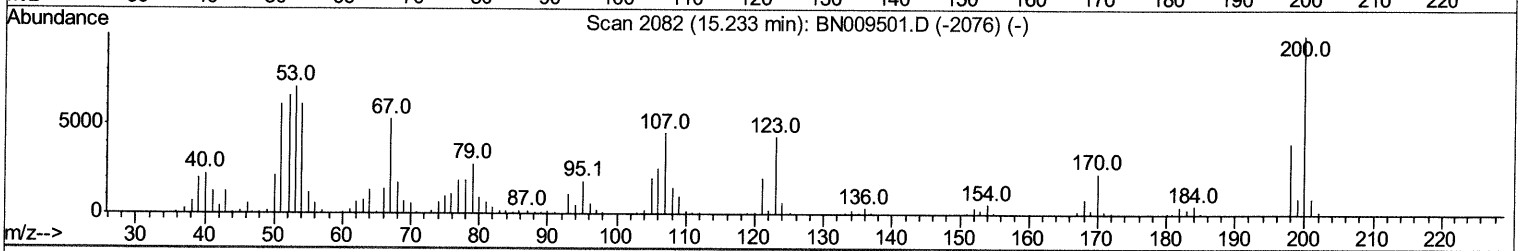
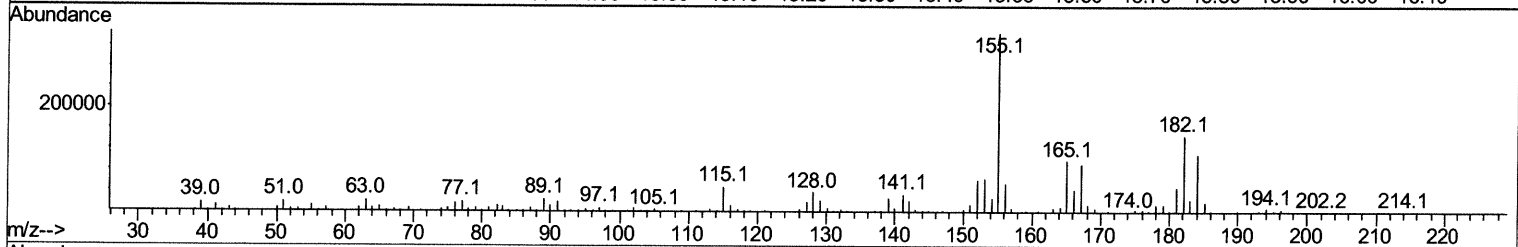
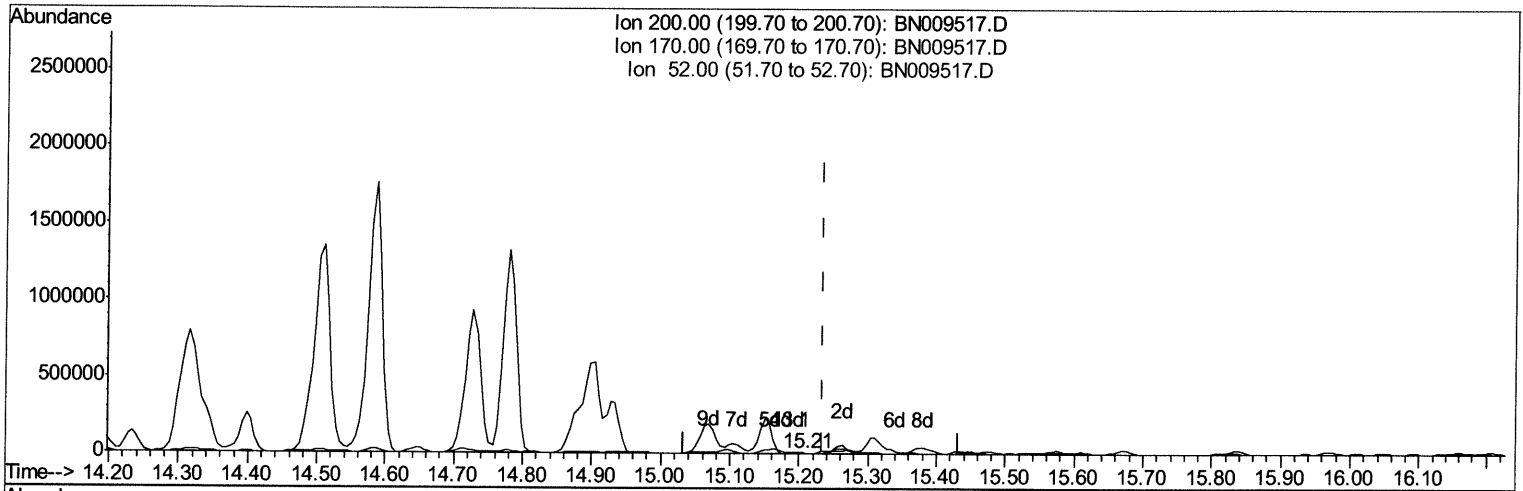
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:46:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

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

15.210min (-0.024) 0.15ng/ul

response 782

Ion	Exp%	Act%
200.00	100	100
170.00	21.70	66.46#
52.00	72.80	291.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

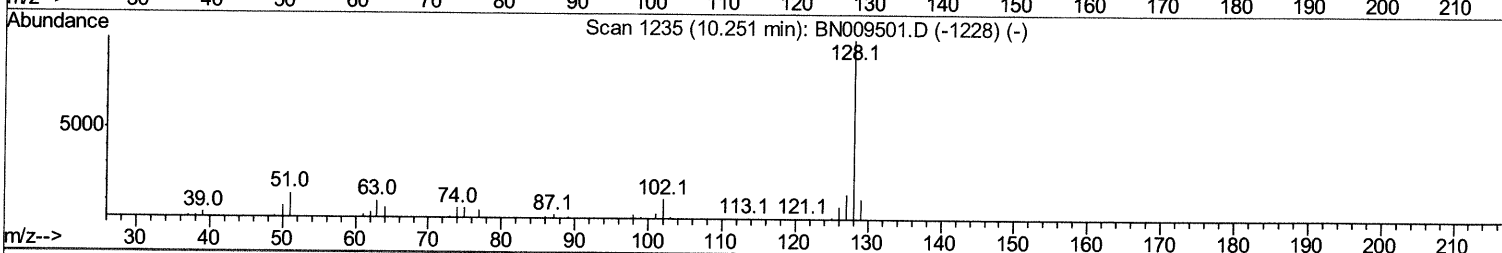
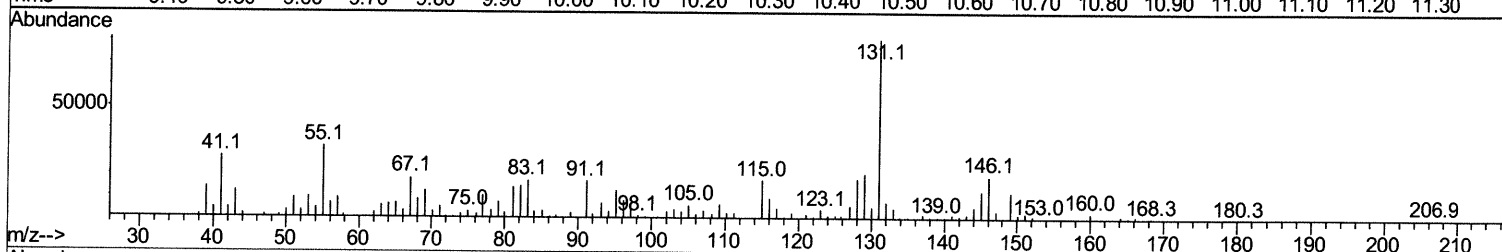
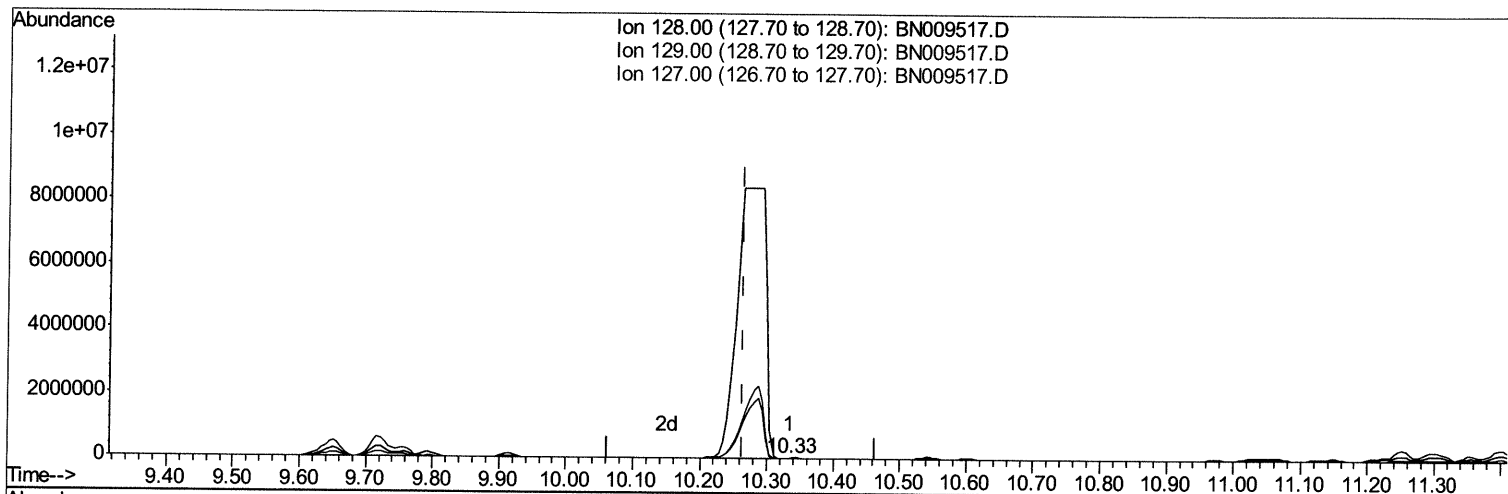
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:08:50 PM

Quant Time: Jan 31 22:19:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(28) Naphthalene

10.334min (+0.070) 1.10ng/ul

response 39457

Ion	Exp%	Act%
128.00	100	100
129.00	10.10	112.14#
127.00	13.80	31.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

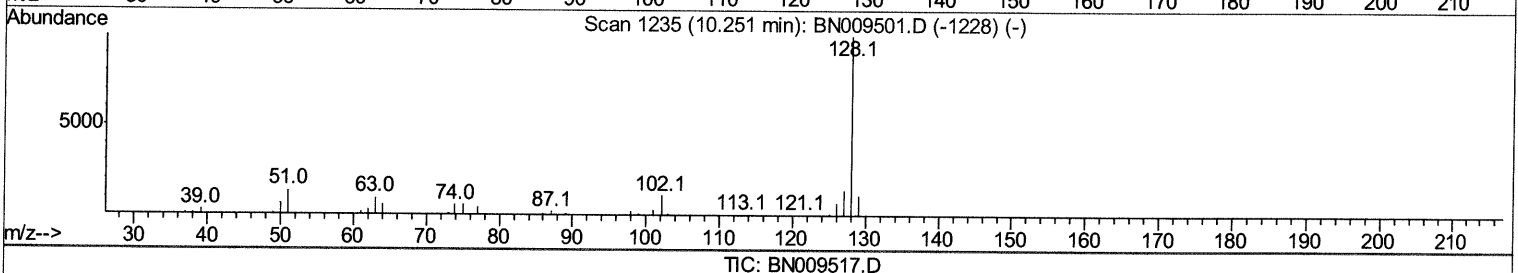
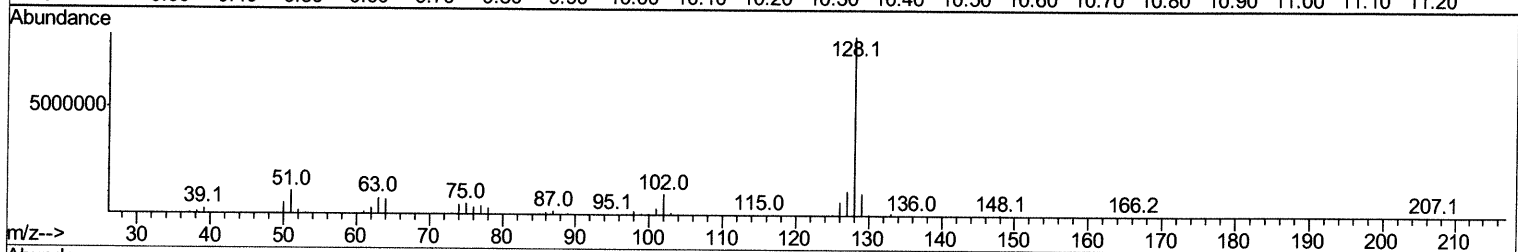
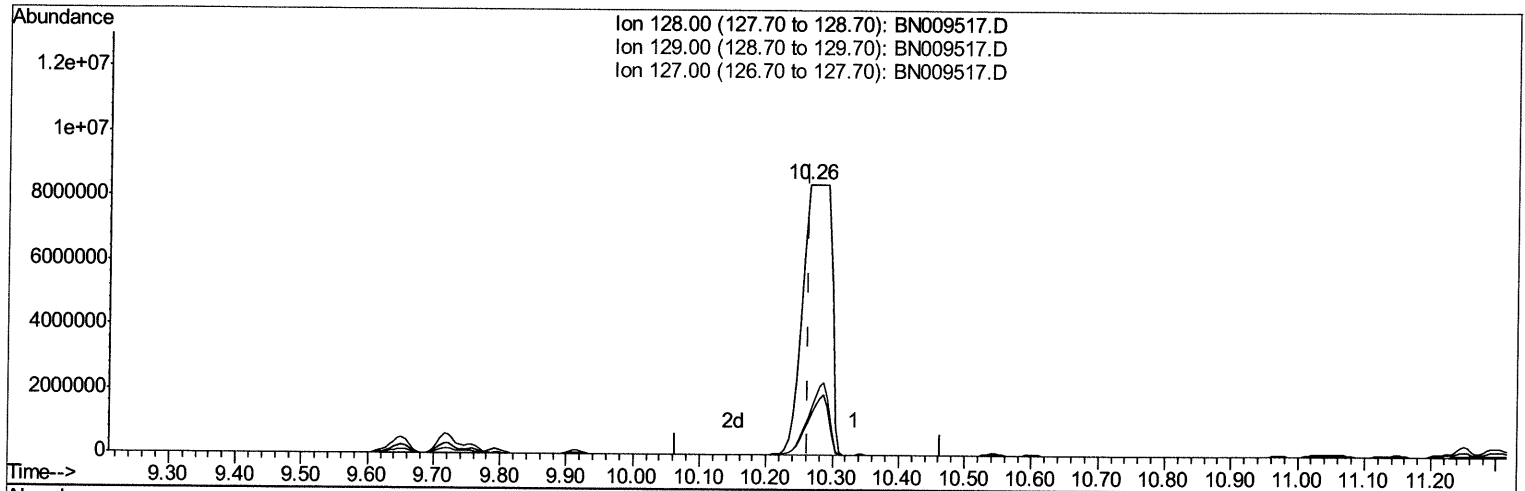
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009517.D
Acq On : 31 Jan 2020 18:48
Operator : CG/JU
Sample : L1271-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT01

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:50 PM

Quant Time: Jan 31 22:19:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration



(28) Naphthalene

10.263min (-0.000) 701.36ng/ul m JU 02/03/20

response 25117673

Ion	Exp%	Act%
128.00	100	100
129.00	10.10	12.55#
127.00	13.80	14.01
0.00	0.00	0.00

Quantitation Report (Qedit)

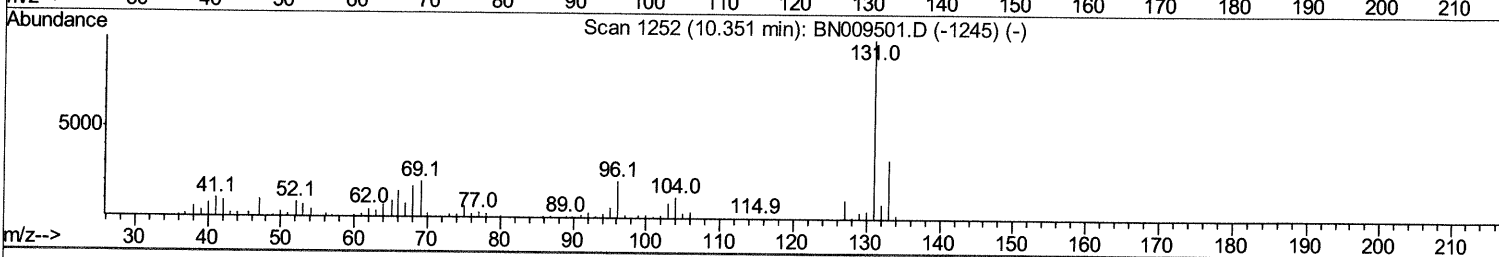
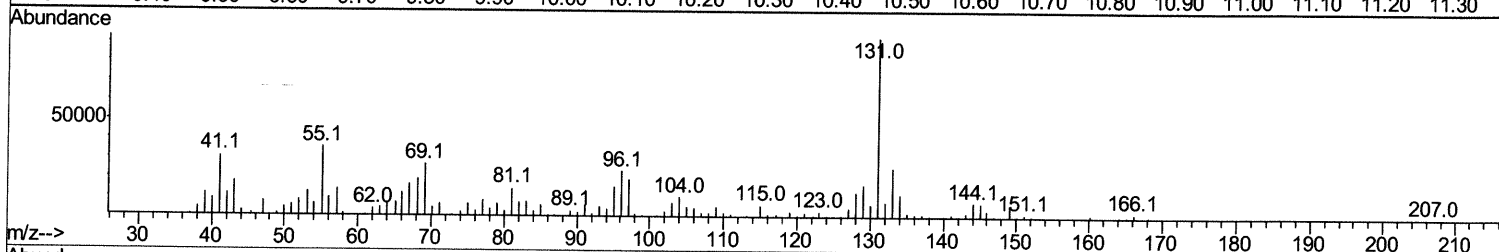
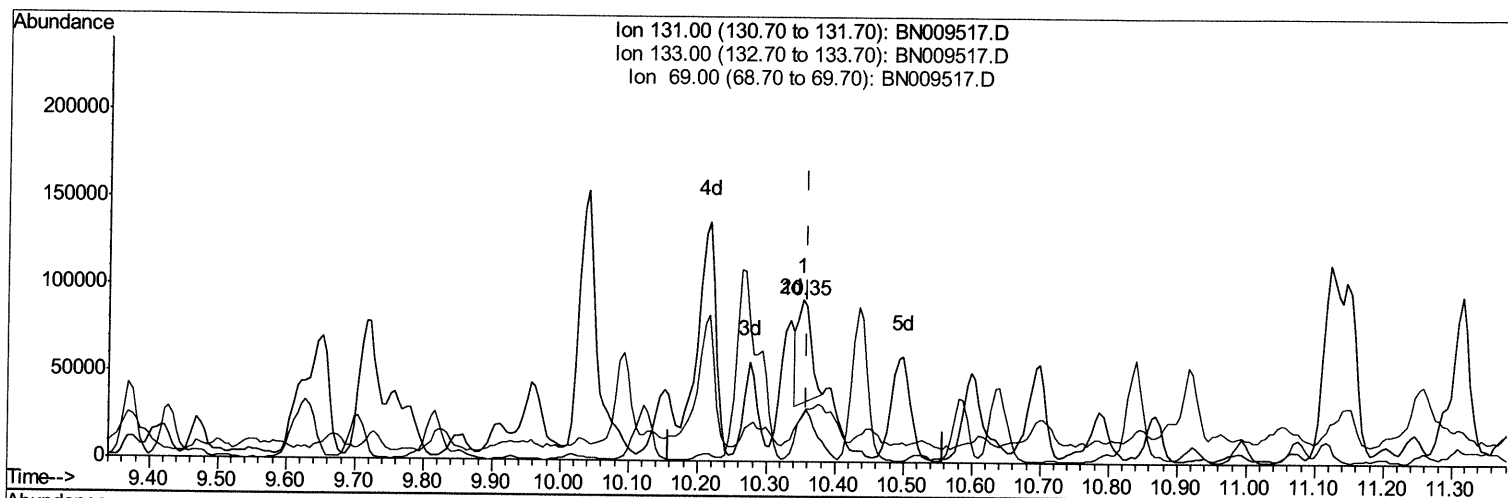
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
 APPROVED

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 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(29) 4-Chloroaniline-d4 (S)

10.351min (-0.006) 6.31ng/ul

response 76664

Ion	Exp%	Act%
131.00	100	100
133.00	31.90	27.81
69.00	20.10	28.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

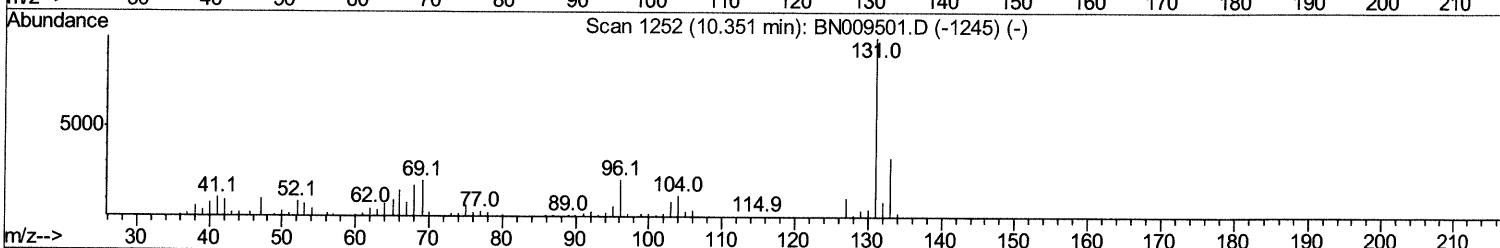
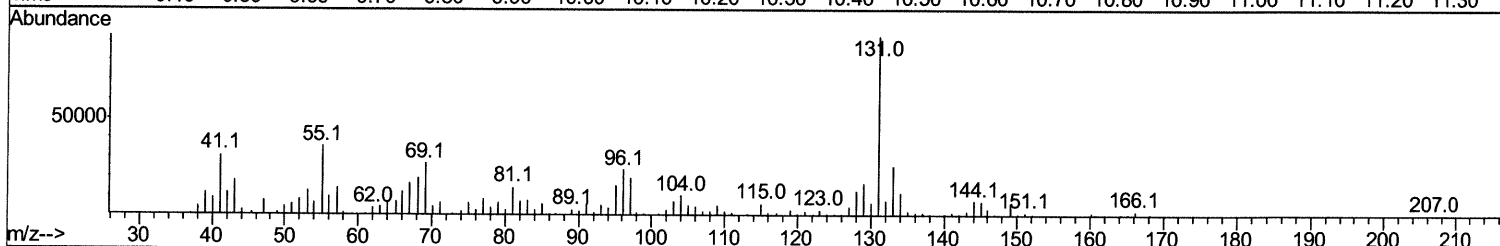
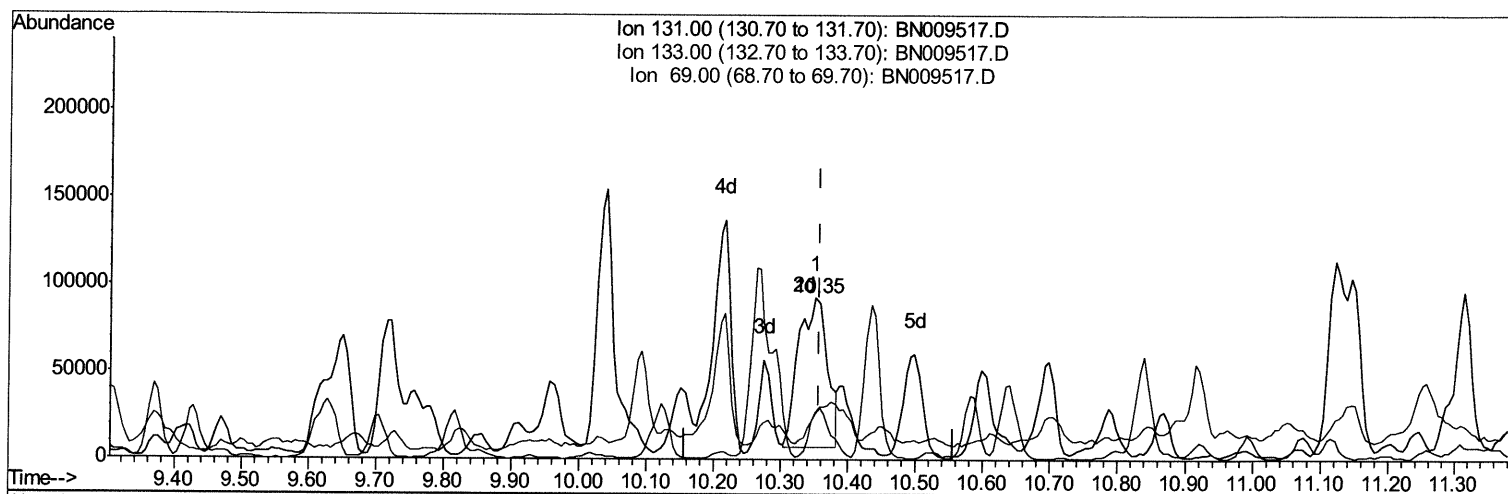
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009517.D
Acq On : 31 Jan 2020 18:48
Operator : CG/JU
Sample : L1271-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT01

Manual Integrations
APPROVED

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2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration



TIC: BN009517.D

(29) 4-Chloroaniline-d4 (S)

10.351min (-0.006) 20.65ng/ul m JU 02/03/20

response 251010

Ion	Exp%	Act%
131.00	100	100
133.00	31.90	27.81
69.00	20.10	28.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

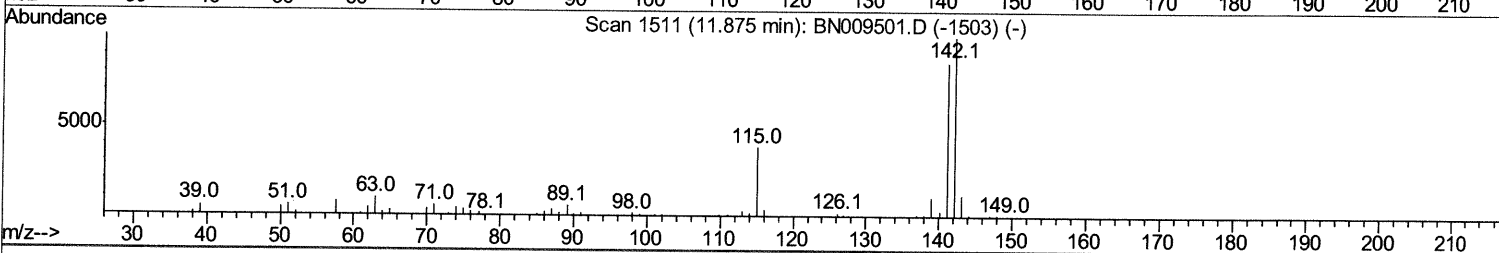
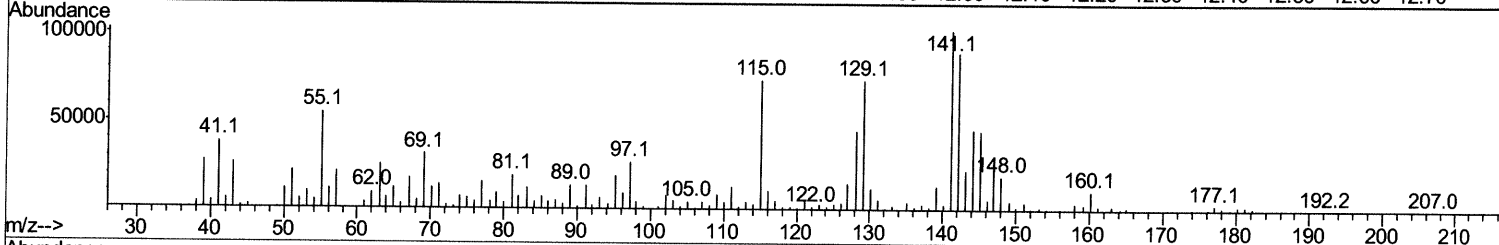
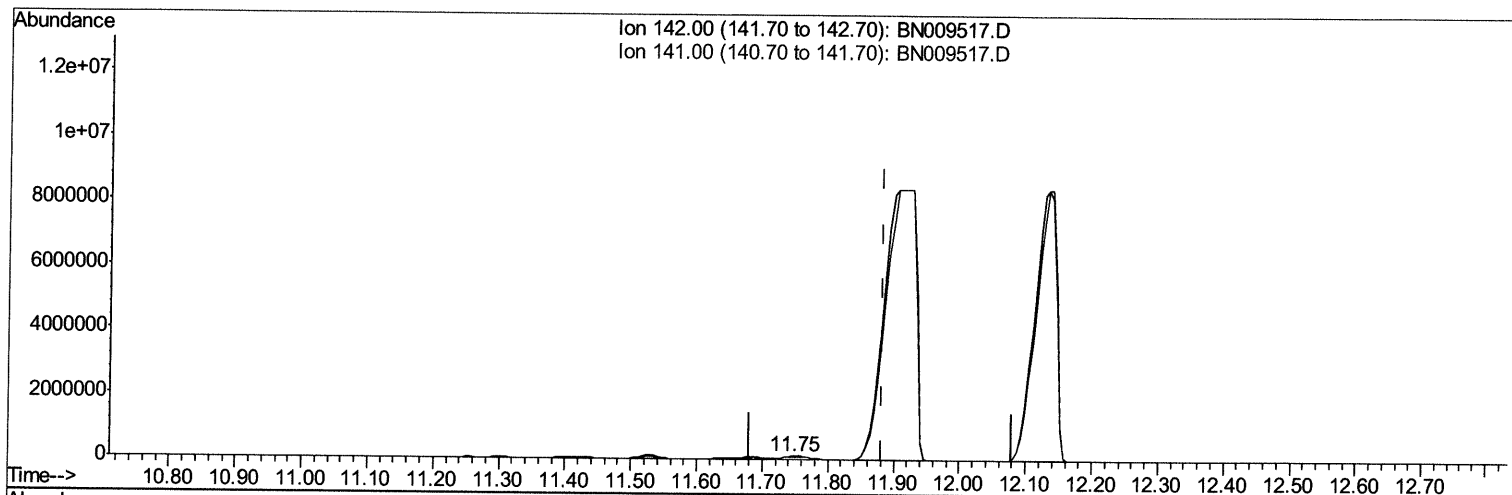
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
 APPROVED

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 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(34) 2-Methylnaphthalene

11.745min (-0.136) 11.03ng/ul

response 272064

Ion	Exp%	Act%
142.00	100	100
141.00	86.60	113.79#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

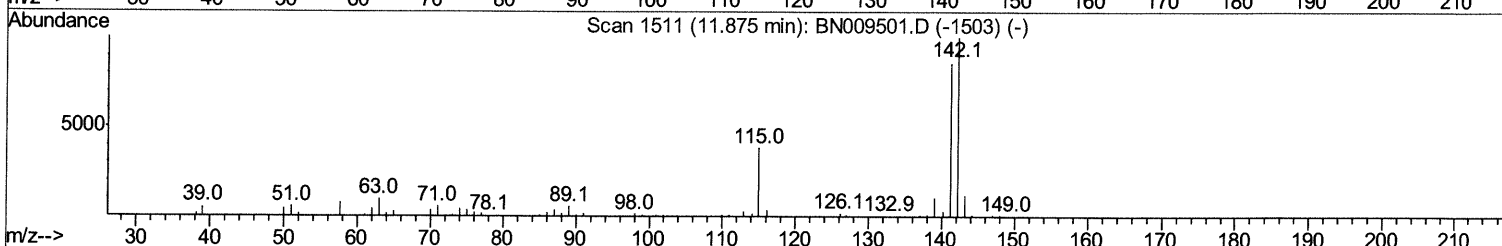
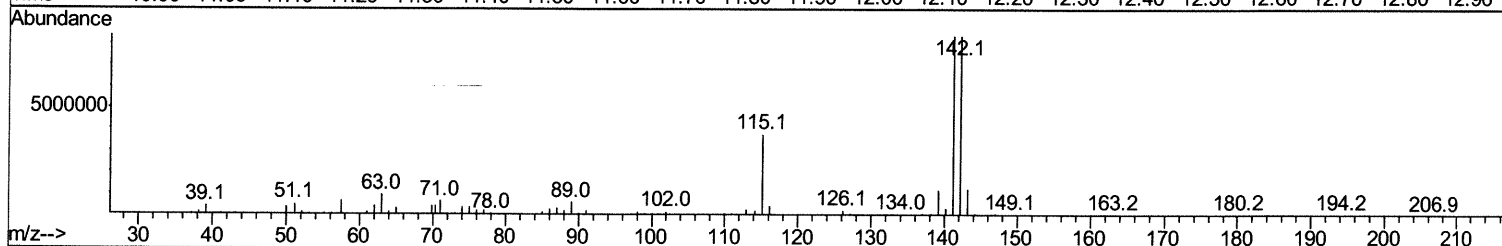
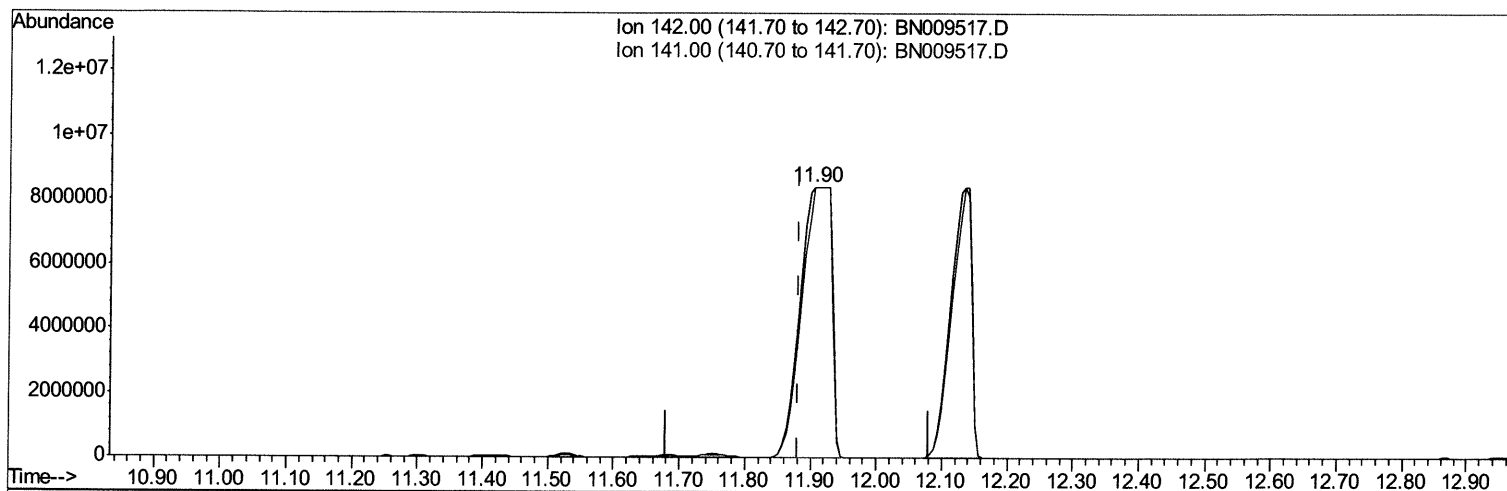
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
 APPROVED

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 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(34) 2-Methylnaphthalene

11.904min (+0.023) 1134.56ng/ul m *JU 02/03/20*

response 27972334

Ion	Exp%	Act%
142.00	100	100
141.00	86.60	100.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

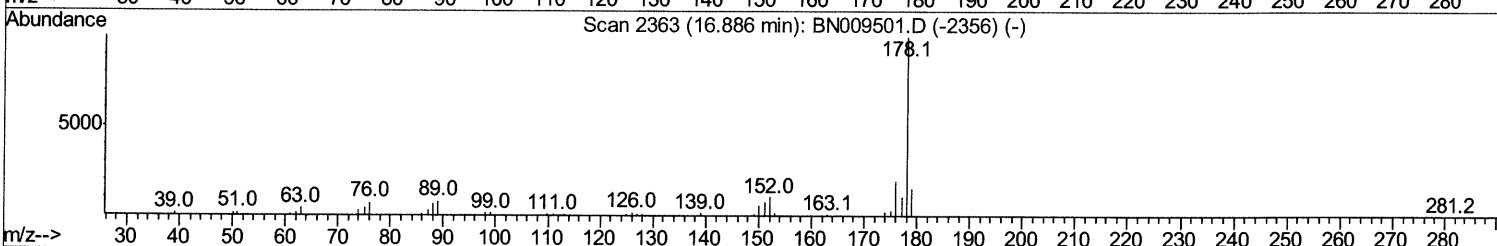
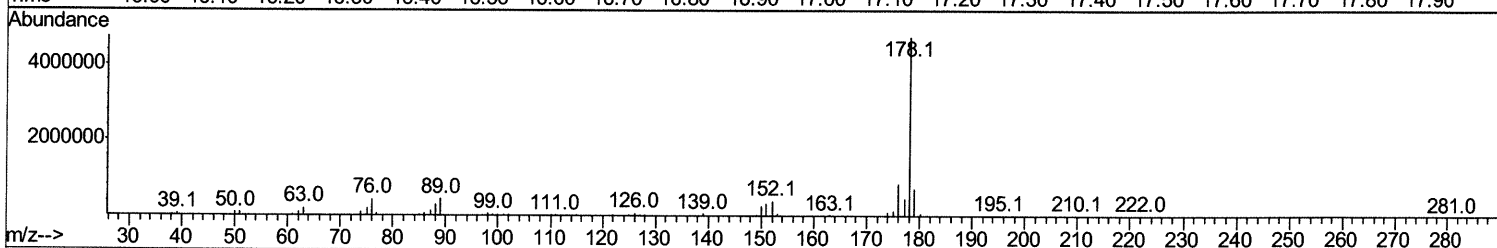
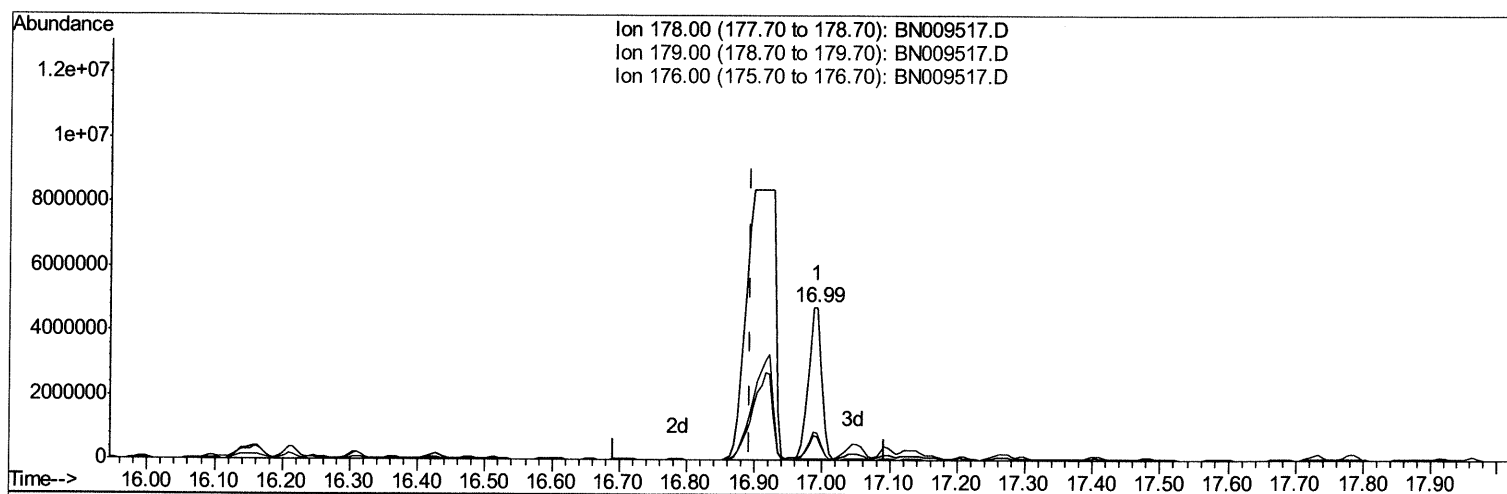
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009517.D
Acq On : 31 Jan 2020 18:48
Operator : CG/JU
Sample : L1271-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT01

Manual Integrations
APPROVED

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2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration



TIC: BN009517.D

(69) Phenanthrene

16.992min (+0.100) 133.87ng/ul

response 6393334

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	15.38
176.00	19.40	17.71
0.00	0.00	0.00

Quantitation Report (Qedit)

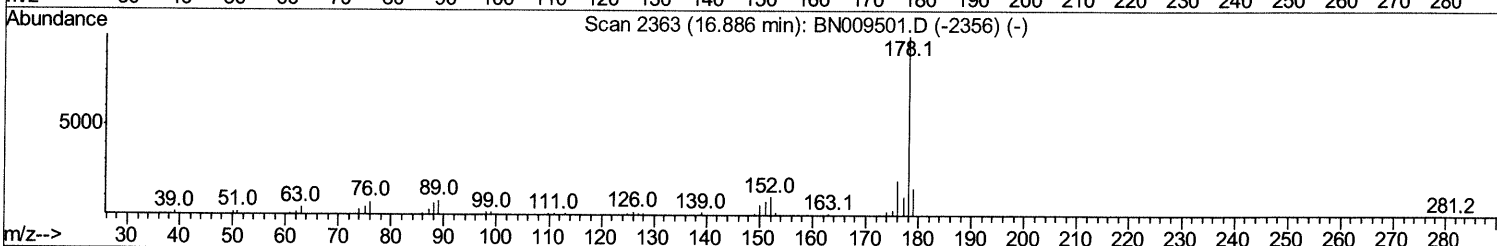
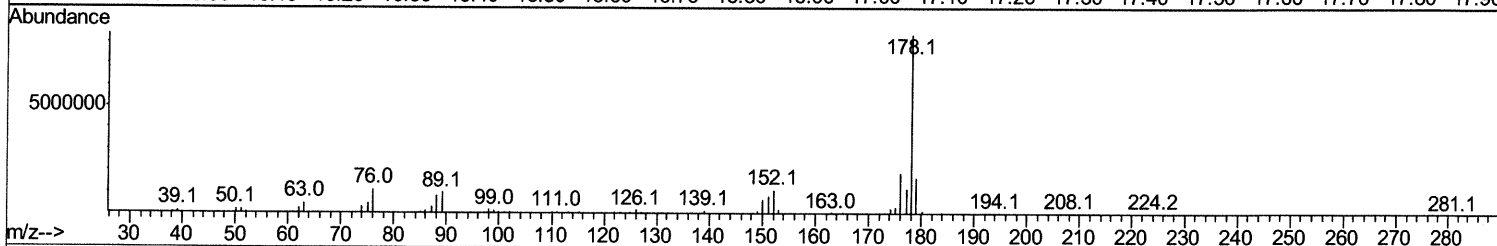
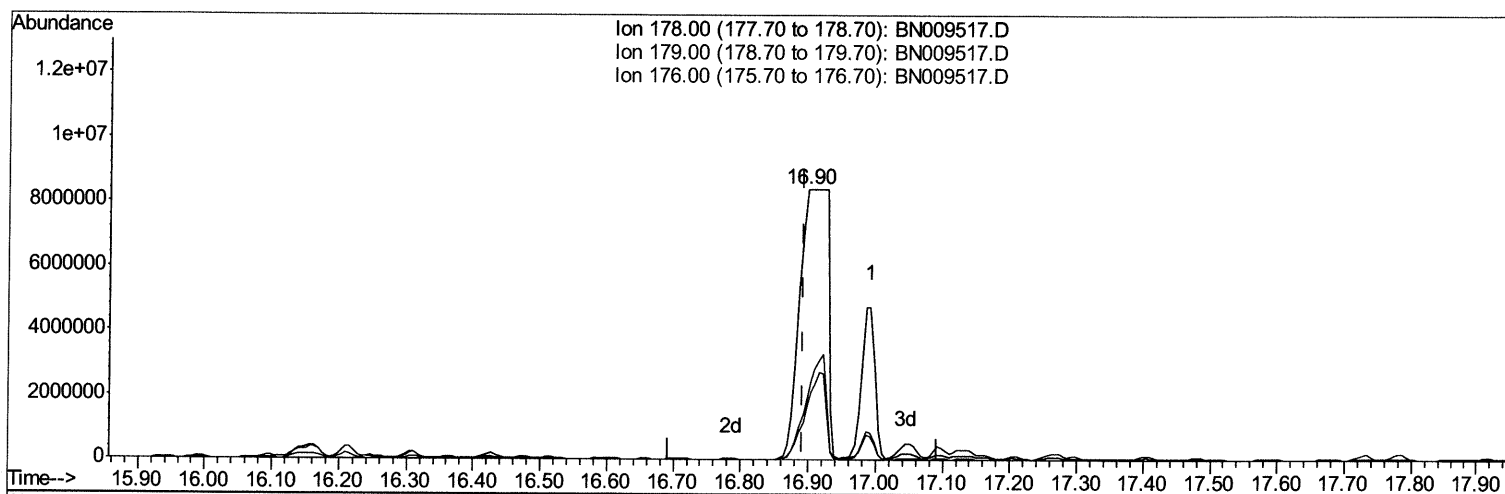
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009517.D
Acq On : 31 Jan 2020 18:48
Operator : CG/JU
Sample : L1271-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT01

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration



TIC: BN009517.D

(69) Phenanthrene

16.898min (+0.005) 511.41ng/ul m *JU 02/03/20*

response 24423269

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	20.13#
176.00	19.40	22.52
0.00	0.00	0.00

Quantitation Report (Qedit)

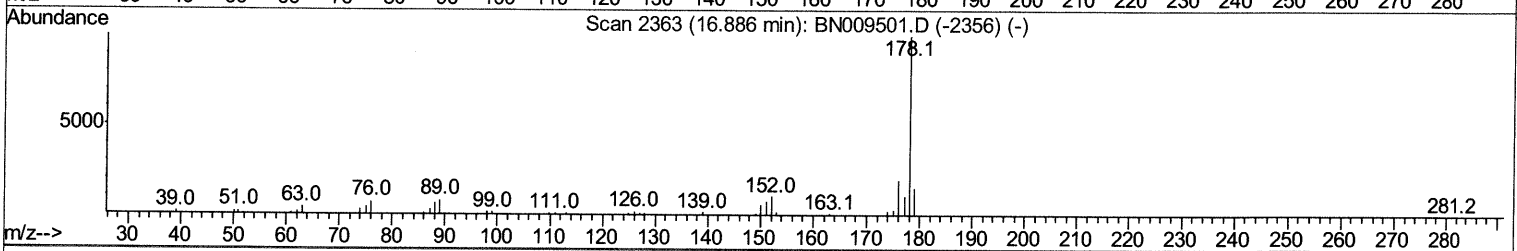
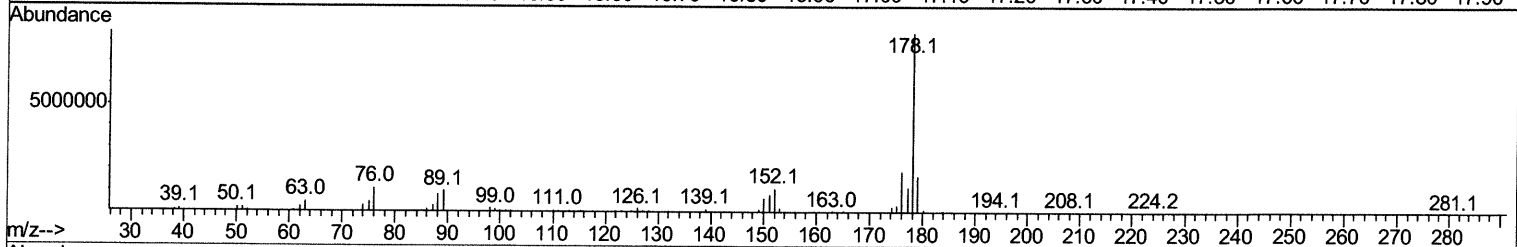
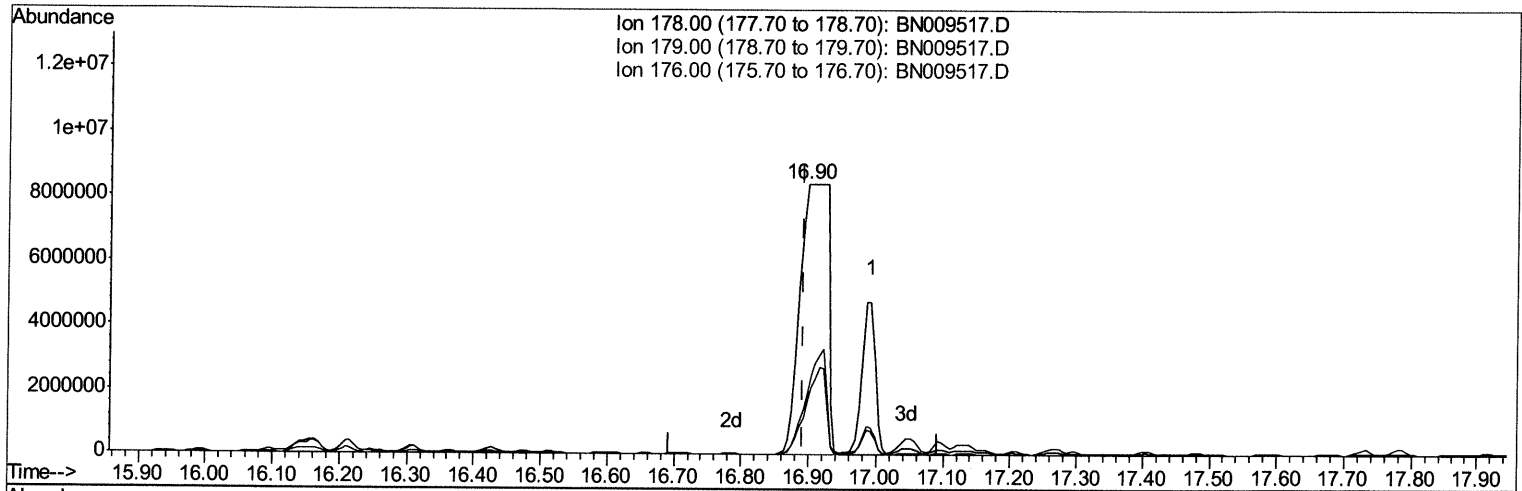
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(69) Phenanthrene

16.898min (+0.005) 511.41ng/ul m *JU 02/03/20*

response 24423269

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	20.13#
176.00	19.40	22.52
0.00	0.00	0.00

Quantitation Report (Qedit)

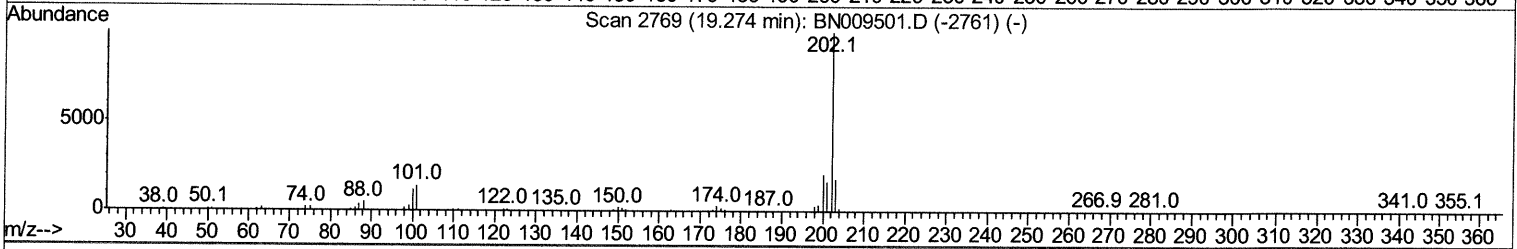
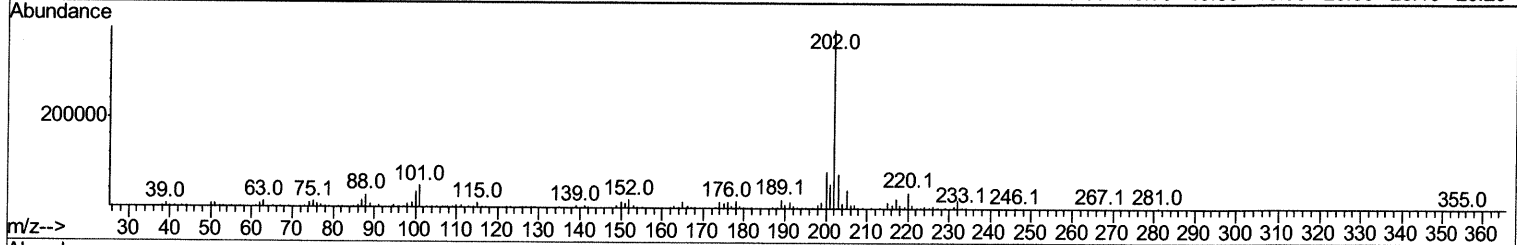
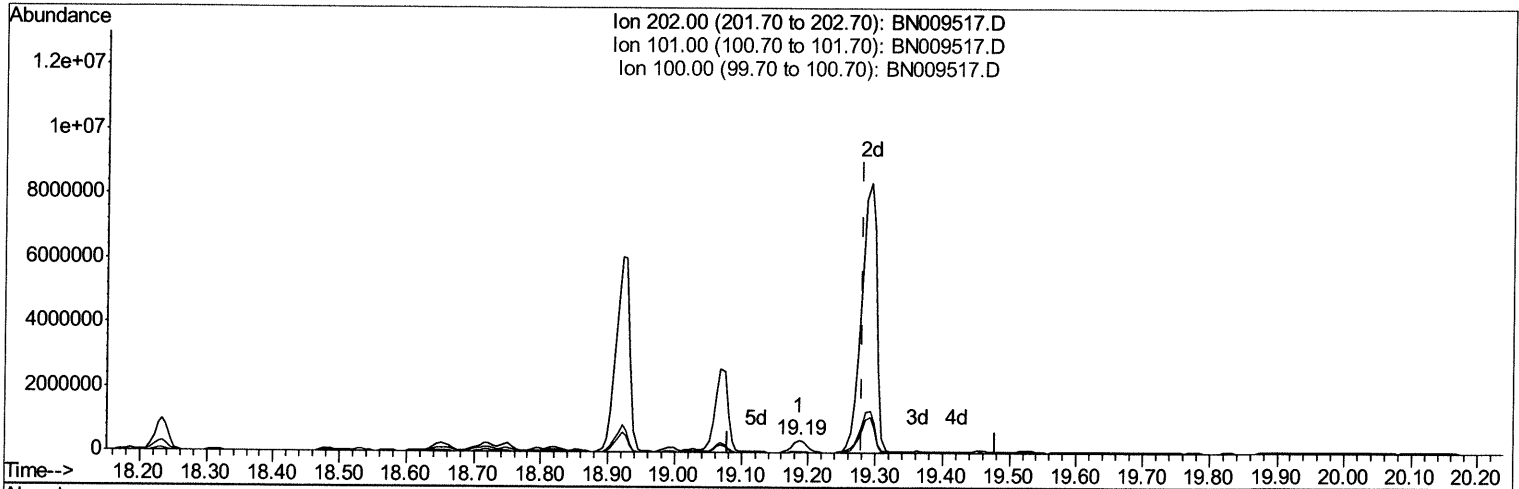
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(79) Pyrene

19.186min (-0.095) 9.94ng/ul

response 547753

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	12.25
100.00	10.70	9.12
0.00	0.00	0.00

Quantitation Report (Qedit)

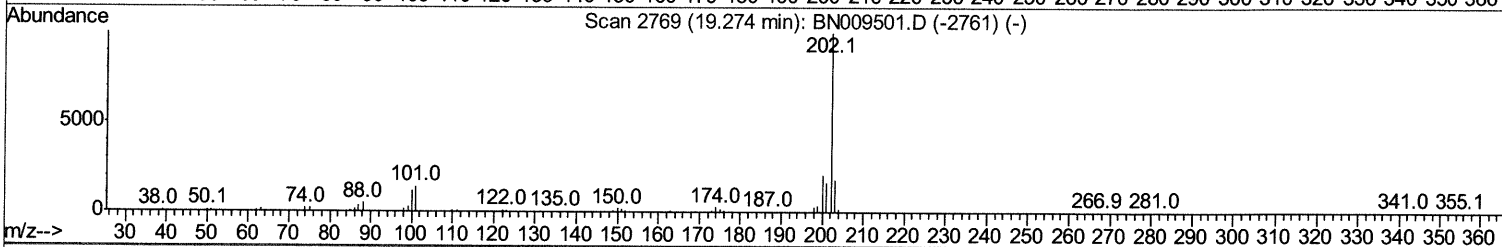
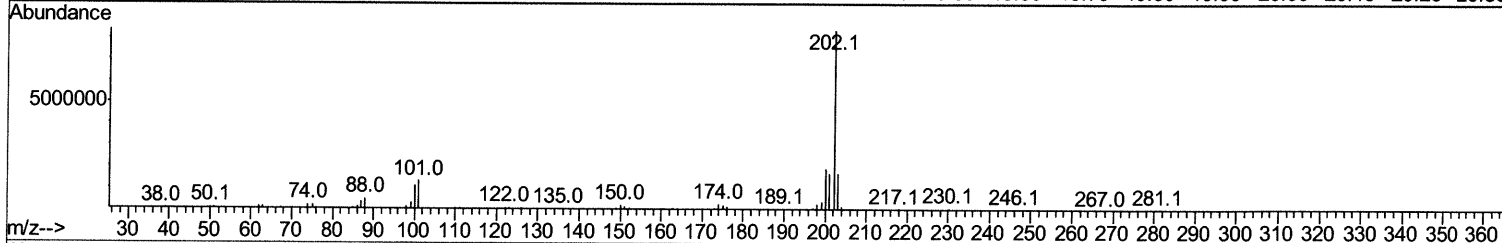
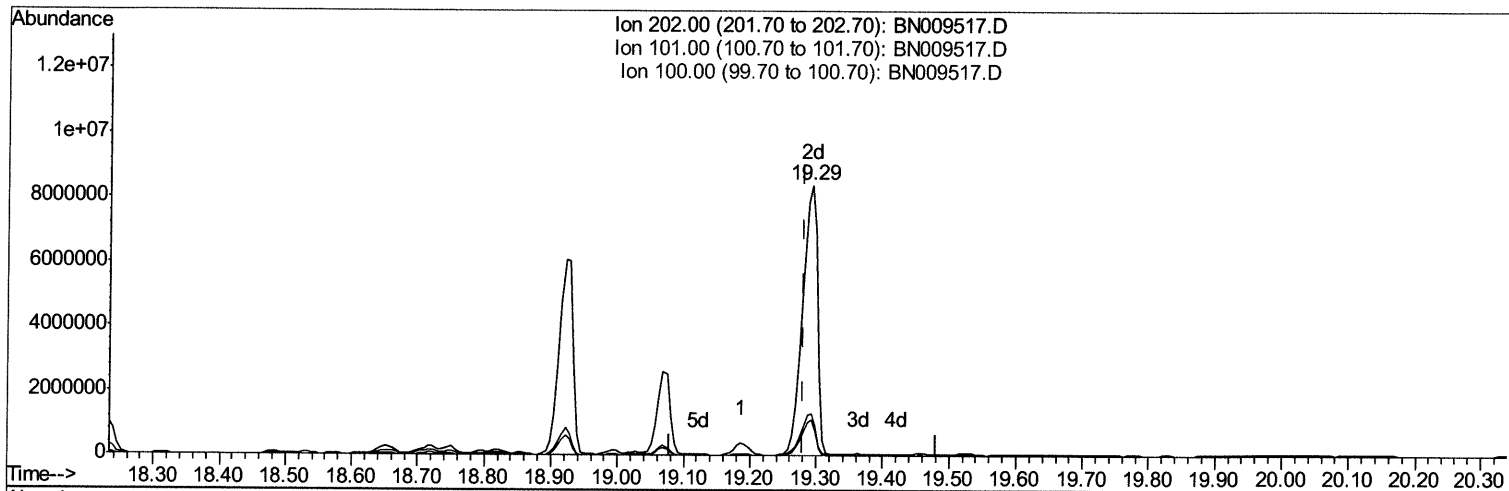
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(79) Pyrene

19.292min (+0.011) 240.86ng/ul m JU 02/03/20

response 13267862

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	15.44
100.00	10.70	13.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

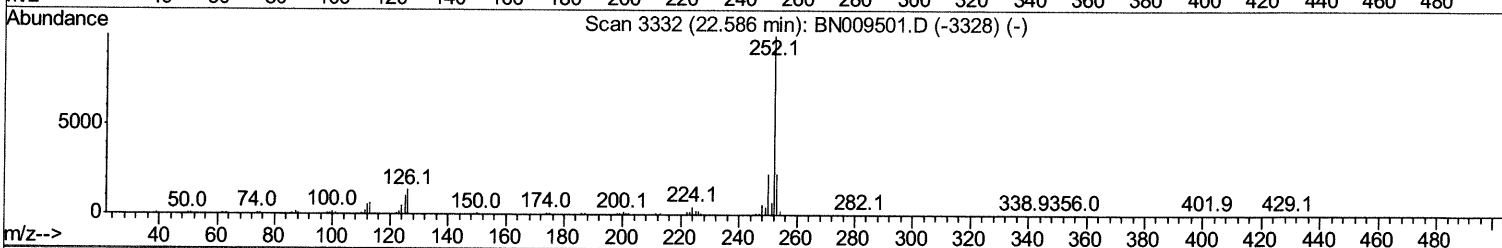
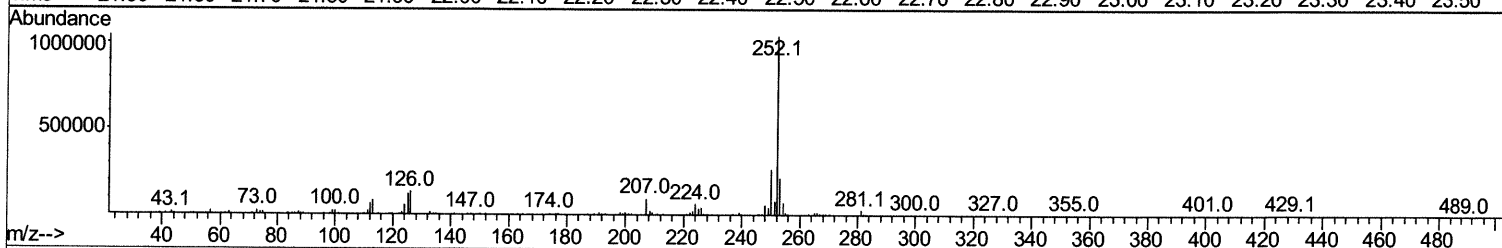
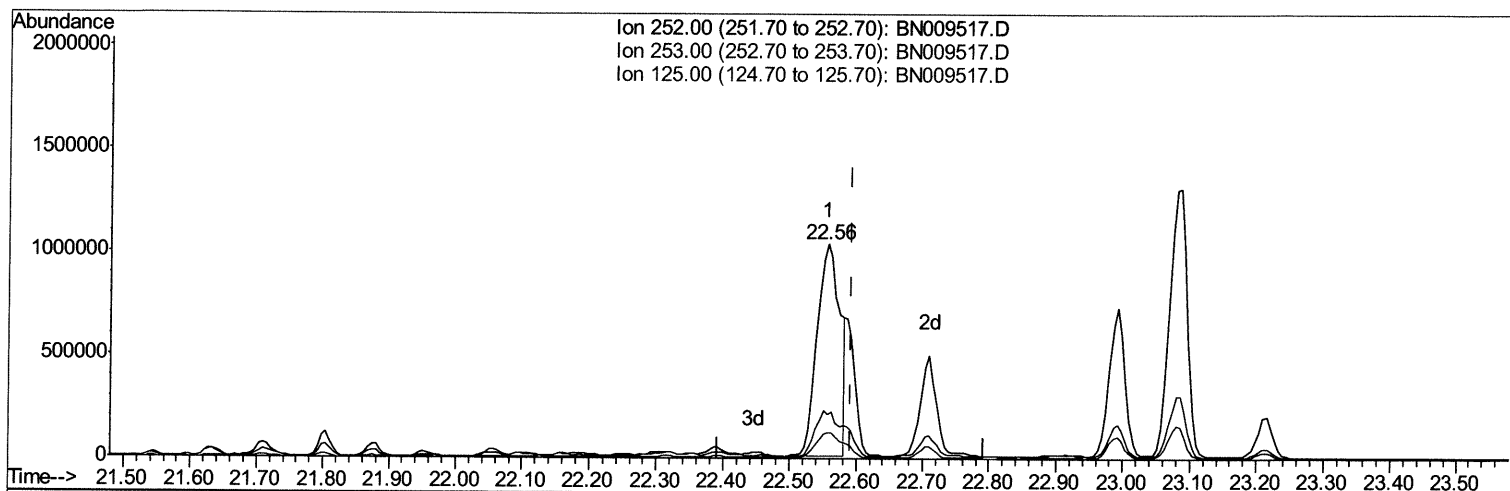
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 Data File : BN009517.D
 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT01

Manual Integrations
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mohammad
 2/3/2020 4:08:50 PM

Quant Time: Feb 01 00:41:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration



TIC: BN009517.D

(88) Benzo(k)fluoranthene

22.556min (-0.036) 48.09ng/ul

response 2451686

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	20.88
125.00	9.80	12.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

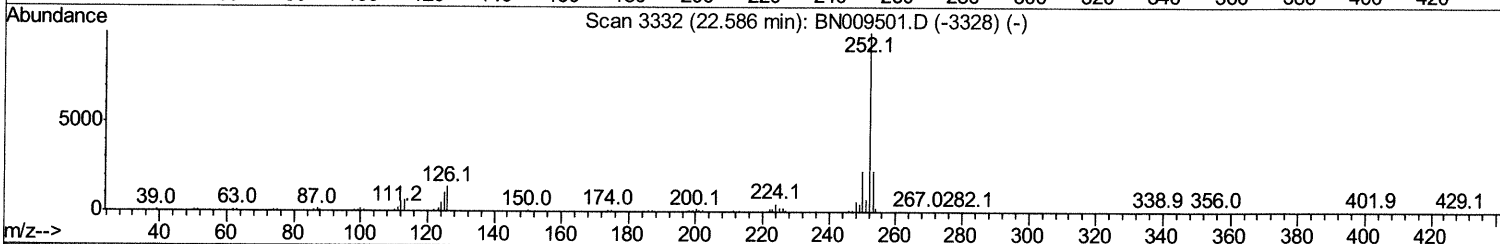
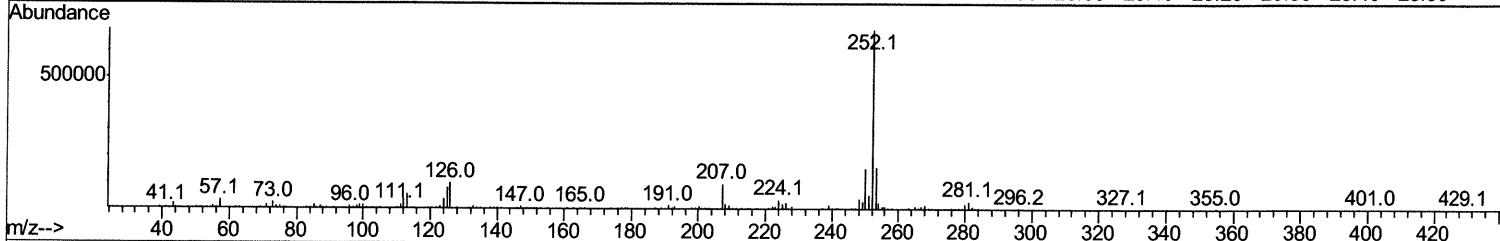
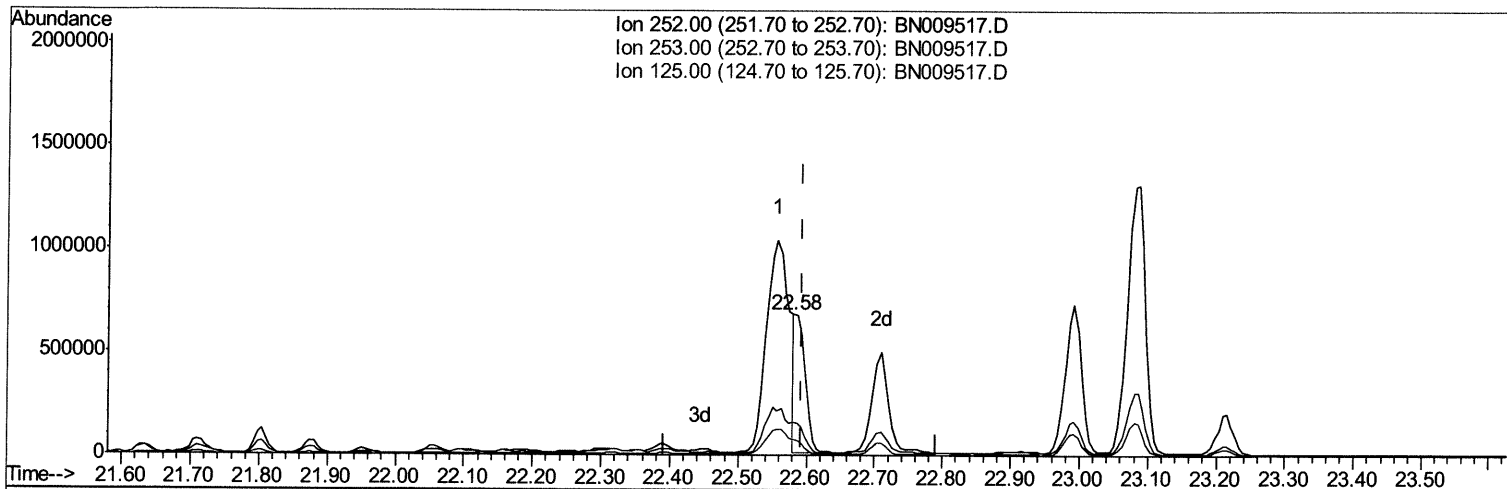
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
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Manual Integrations
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mohammad
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TIC: BN009517.D

(88) Benzo(k)fluoranthene

22.580min (-0.012) 13.01ng/ul m *JU 02/03/20*

response 663005

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	23.23
125.00	9.80	11.80#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
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 Acq On : 31 Jan 2020 18:48
 Operator : CG/JU
 Sample : L1271-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations
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Quant Time: Feb 01 03:23:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	167163	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.21	136	665494	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.09	164	518789	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.85	188	846380	20.00	ng/ul	0.00
77) Chrysene-d12	21.06	240	760775	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	819946	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	11083	2.74	ng/uL	0.00
5) Phenol-d5	6.65	99	205754	13.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	162225	15.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	165036	15.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	139497	11.82	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	93211	19.25	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.31	143	96156	18.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	157991	15.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	251010m >	20.65	ng/ul >	0.00 Ju 02/03/20
43) Dimethylphthalate-d6	13.52	166	609657	15.88	ng/ul	0.00
46) Acenaphthylene-d8	13.79	160	647909	14.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	81884	11.46	ng/ul	0.00
57) Fluorene-d10	15.10	176	510764	15.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.26	200	75079m >	14.65	ng/ul >	0.03 Ju 02/03/20
70) Anthracene-d10	16.96	188	718810	18.36	ng/ul	0.01
78) Pyrene-d10	19.25	212	766637	18.73	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.04	264	730911	17.66	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	6.68	94	24622	1.585	ng/ul#	82
28) Naphthalene	10.26	128	25117673m	701.359	ng/ul	3 Ju 02/03/20
34) 2-Methylnaphthalene	11.90	142	27972334m	1134.562	ng/ul	3 Ju 02/03/20
40) 1,1'-Biphenyl	12.92	154	3705997	94.340	ng/ul	99
44) Dimethylphthalate	13.56	163	114545	2.898	ng/ul#	96
47) Acenaphthylene	13.82	152	10842282	220.455	ng/ul	98
49) Acenaphthene	14.16	153	1609263	47.962	ng/ul	97
53) Dibenzofuran	14.50	168	1751893	37.580	ng/ul	95
58) Fluorene	15.16	166	8770450	224.526	ng/ul	99
64) N-Nitrosodiphenylamine	15.37	169	226357	9.032	ng/ul#	92
69) Phenanthrene	16.90	178	24423269m >	511.410	ng/ul >	7 Ju 02/03/20
71) Anthracene	16.99	178	6393334	131.484	ng/ul	99
76) Fluoranthene	18.92	202	8764978	160.103	ng/ul	97
79) Pyrene	19.29	202	13267862m >	240.861	ng/ul >	7 Ju 02/03/20
82) Benzo(a)anthracene	21.04	228	4823291	93.100	ng/ul#	82
84) Chrysene	21.09	228	4027553	79.805	ng/ul	93
87) Benzo(b)fluoranthene	22.56	252	2451686	47.289	ng/ul	98
88) Benzo(k)fluoranthene	22.58	252	663005m >	13.006	ng/ul >	7 Ju 02/03/20
90) Benzo(a)pyrene	23.09	252	2377618	51.092	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.24	276	914423	16.214	ng/ul	95
92) Dibenzo(a,h)anthracene	25.24	278	329611	6.927	ng/ul#	94
93) Benzo(a,h,i)perylene	25.86	276	694558	14.806	ng/ul	98

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Internal Standards	R.T.	QI	on	Response	Conc	Units	Dev	(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed