

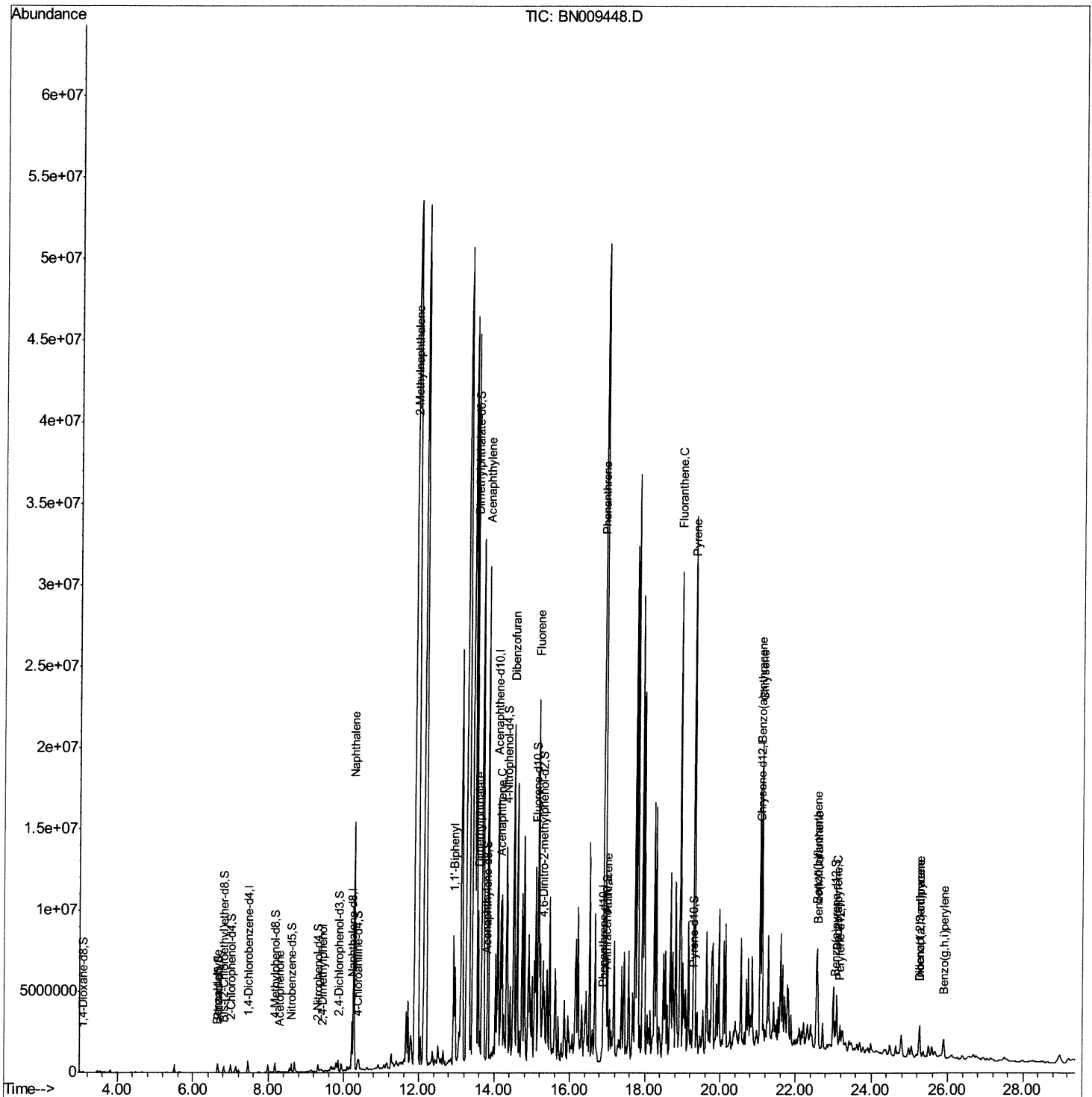
```
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\  
Data File : BN009448.D  
Acq On    : 28 Jan 2020 13:25  
Operator  : CG/JU  
Sample    : L1193-13  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
```

Instrument :
BNA_N
ClientSampleId :
GASP4

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:20:24 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)

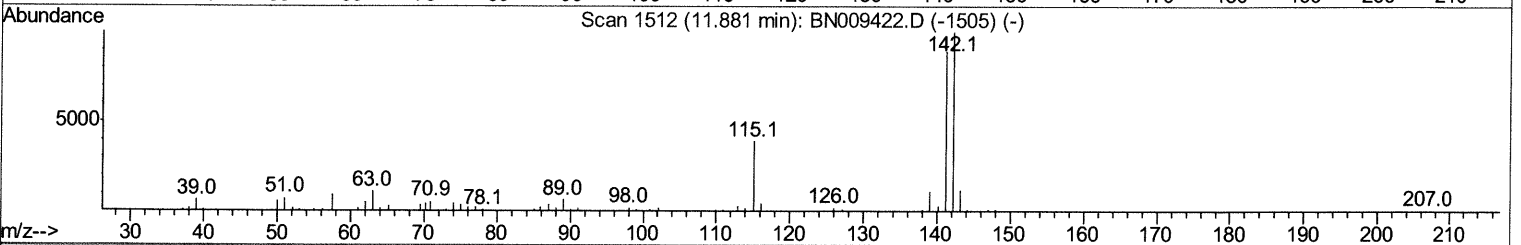
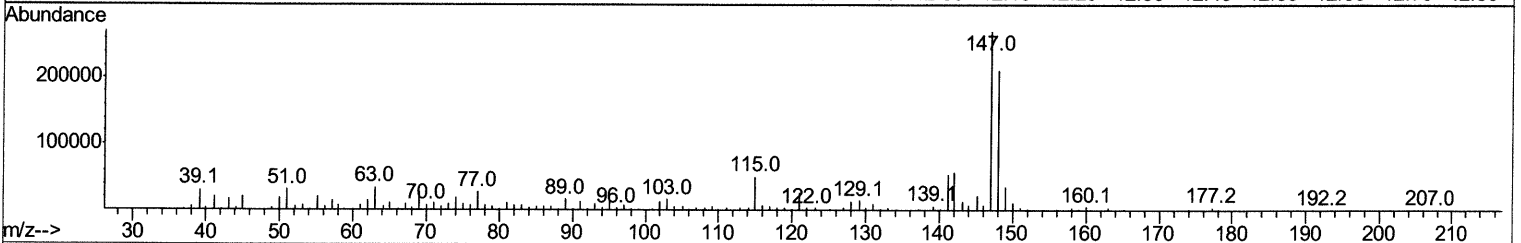
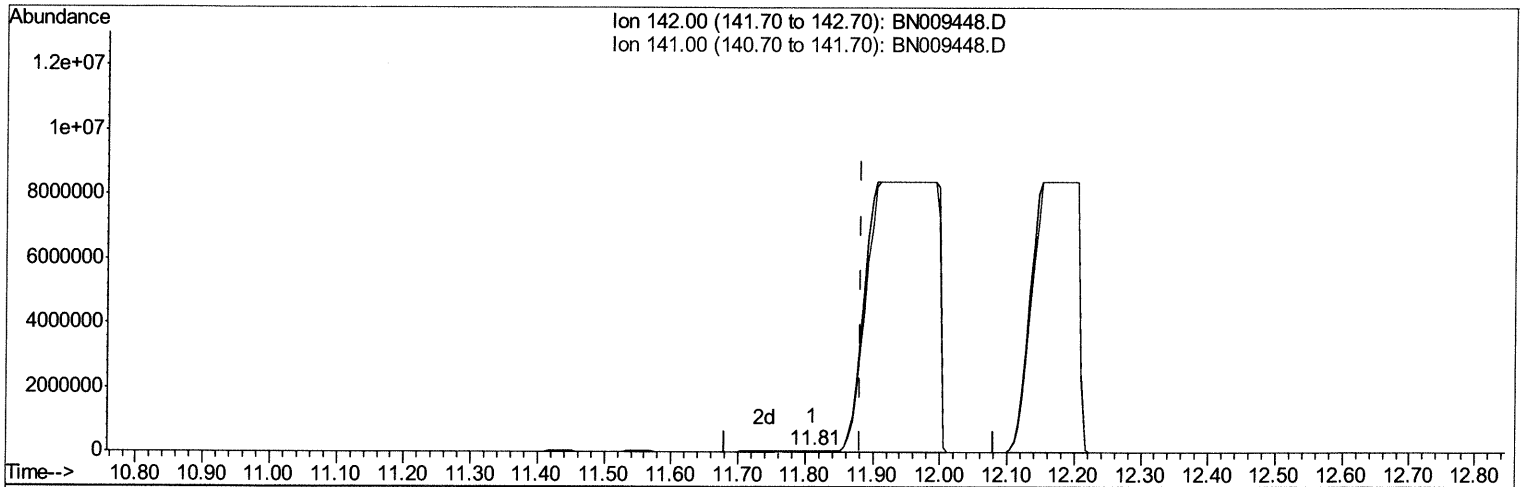
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 GASP4

Manual Integrations
APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(34) 2-Methylnaphthalene

11.810min (-0.071) 4.66ng/ul

response 119640

Ion	Exp%	Act%
142.00	100	100
141.00	86.60	93.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

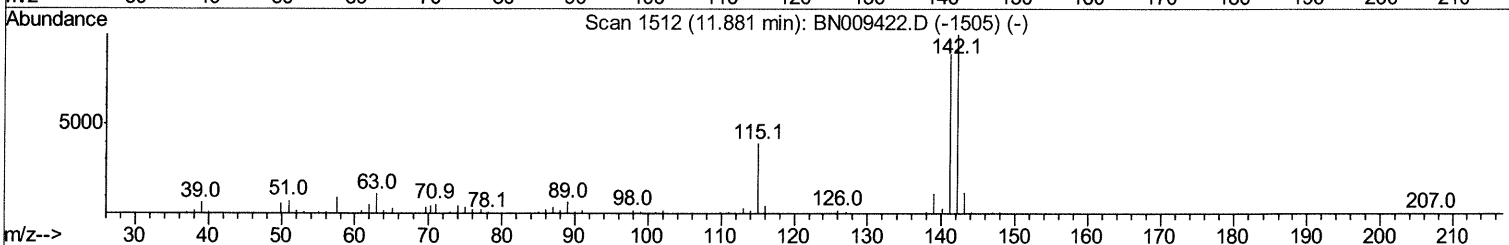
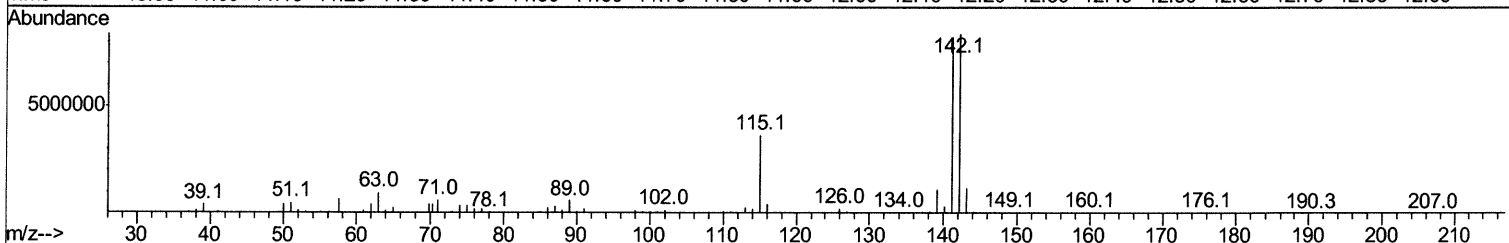
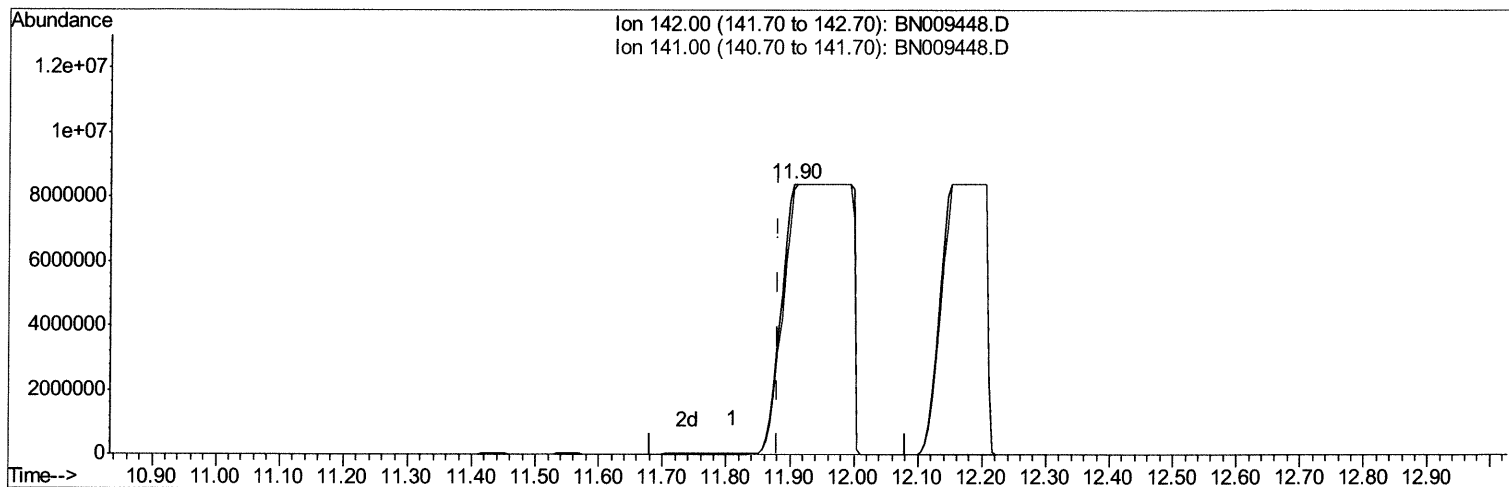
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(34) 2-Methylnaphthalene

11.904min (+0.023) 2330.13ng/ul m JU 01/29/20

response 59864884

Ion	Exp%	Act%
142.00	100	100
141.00	86.60	98.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

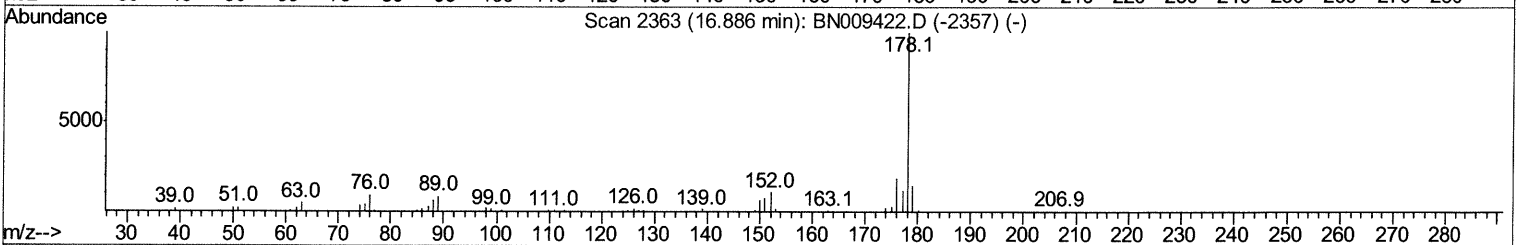
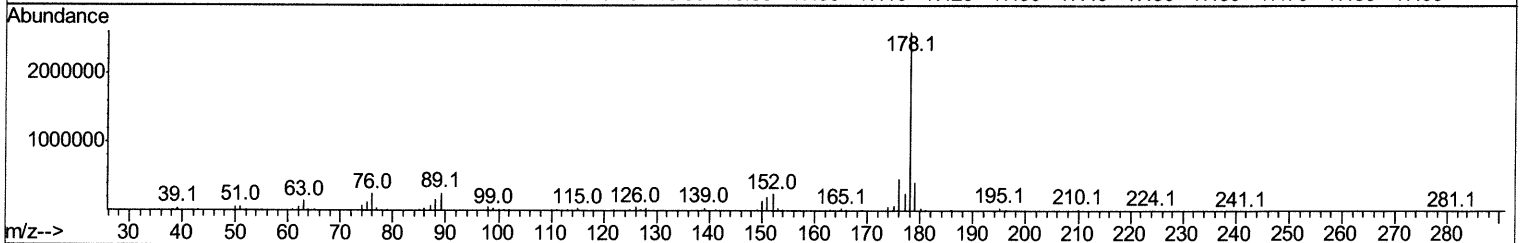
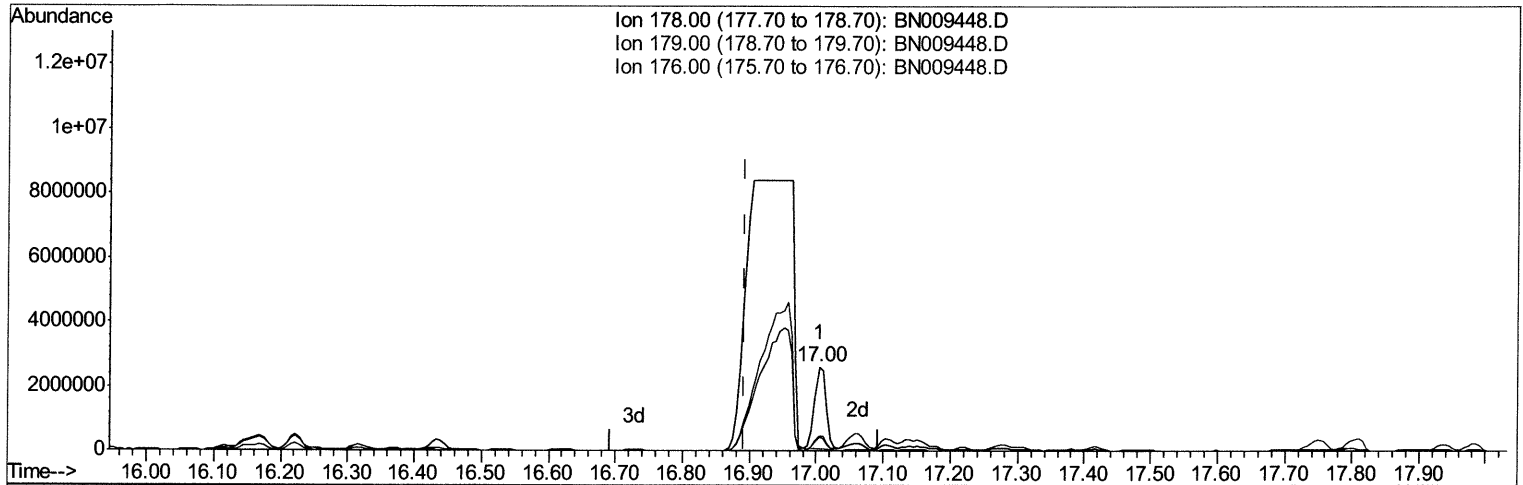
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(69) Phenanthrene

17.004min (+0.111) 61.63ng/ul

response 3049105

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	15.66
176.00	19.40	18.07
0.00	0.00	0.00

Quantitation Report (Qedit)

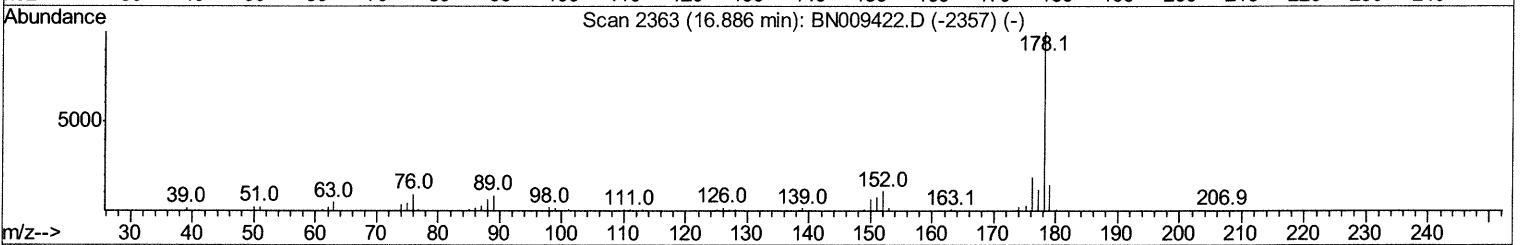
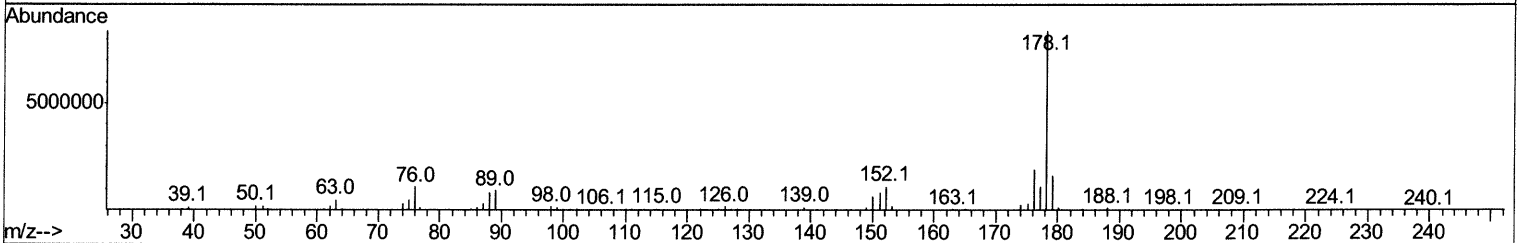
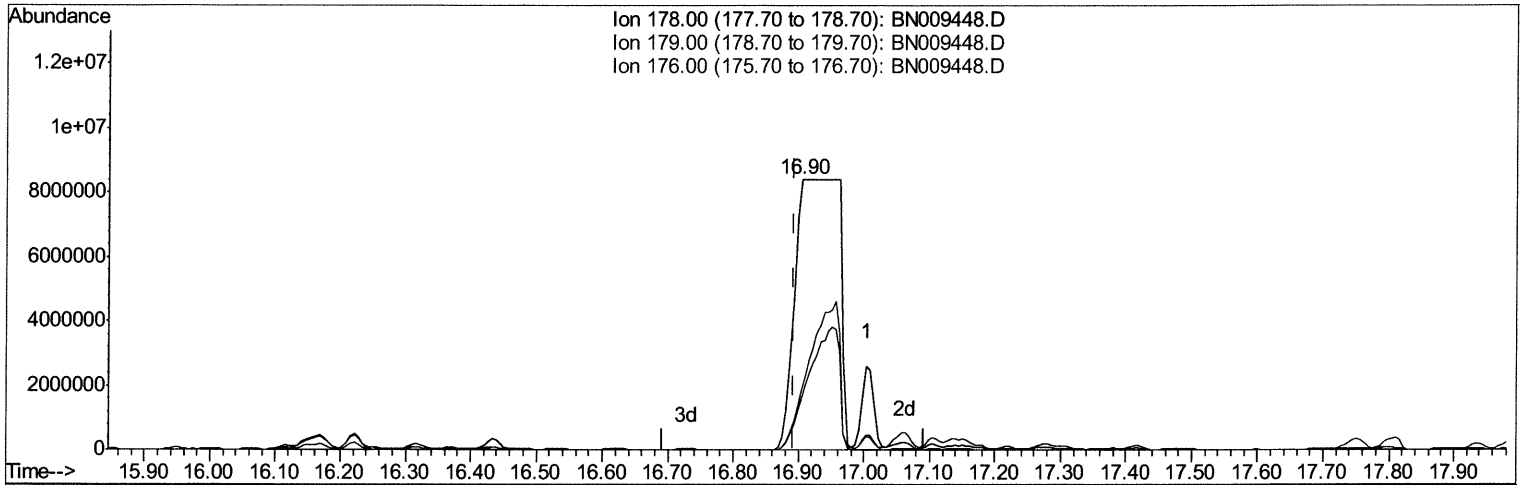
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(69) Phenanthrene

16.904min (+0.011) 796.10ng/ul m JU 1/29/20

response 39387951

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	18.97
176.00	19.40	22.34
0.00	0.00	0.00

Quantitation Report (Qedit)

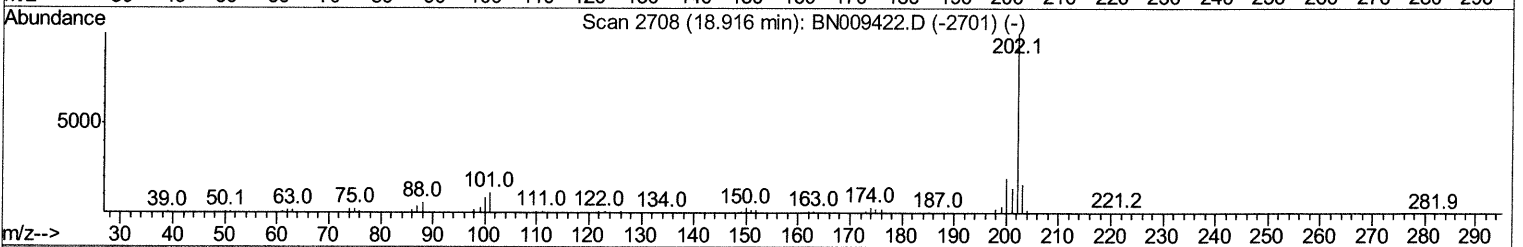
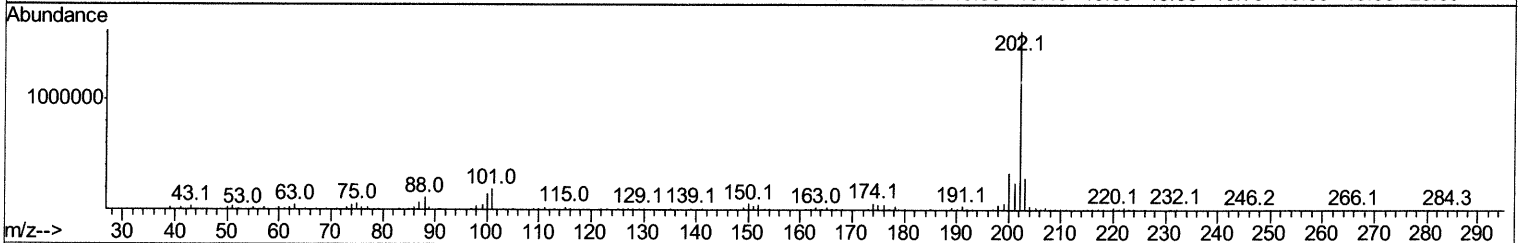
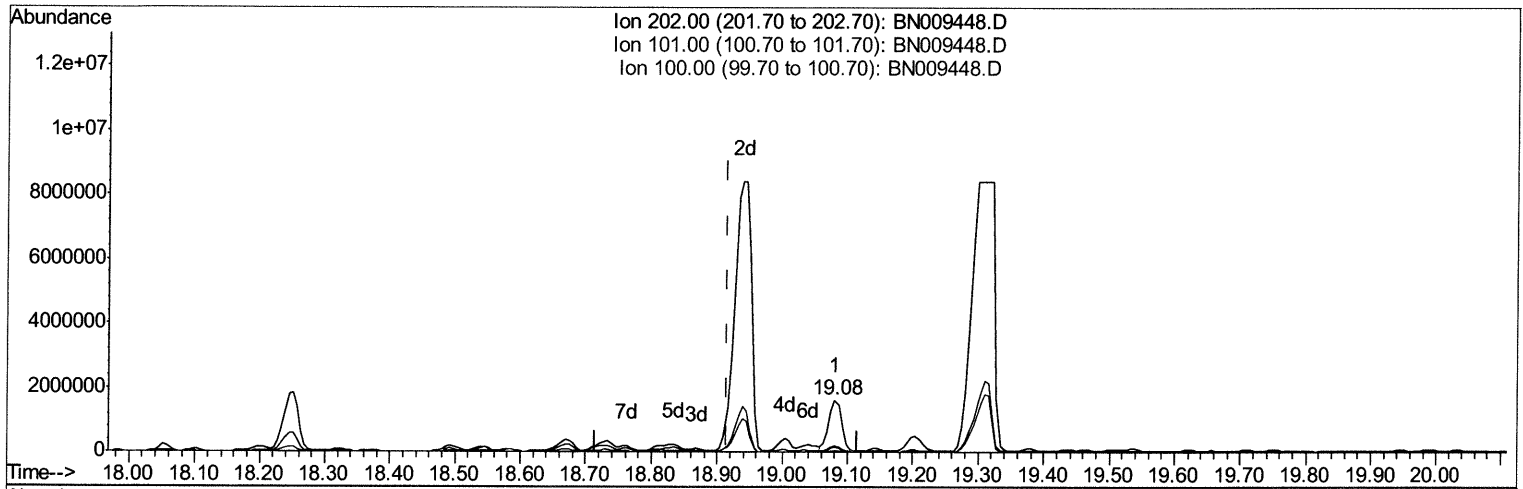
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(76) Fluoranthene (C)

19.080min (+0.164) 37.35ng/ul

response 2118450

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	11.38
100.00	8.90	8.95
0.00	0.00	0.00

Quantitation Report (Qedit)

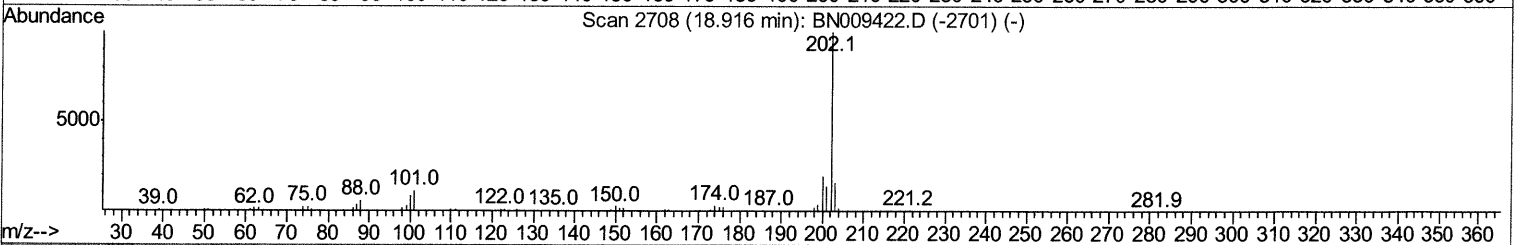
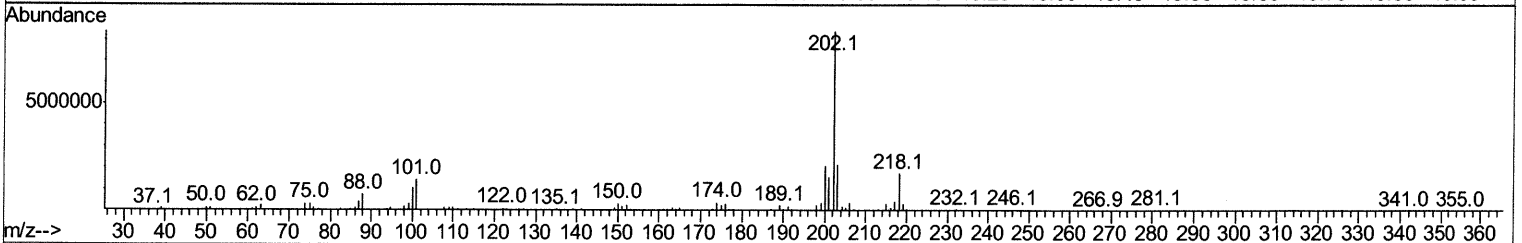
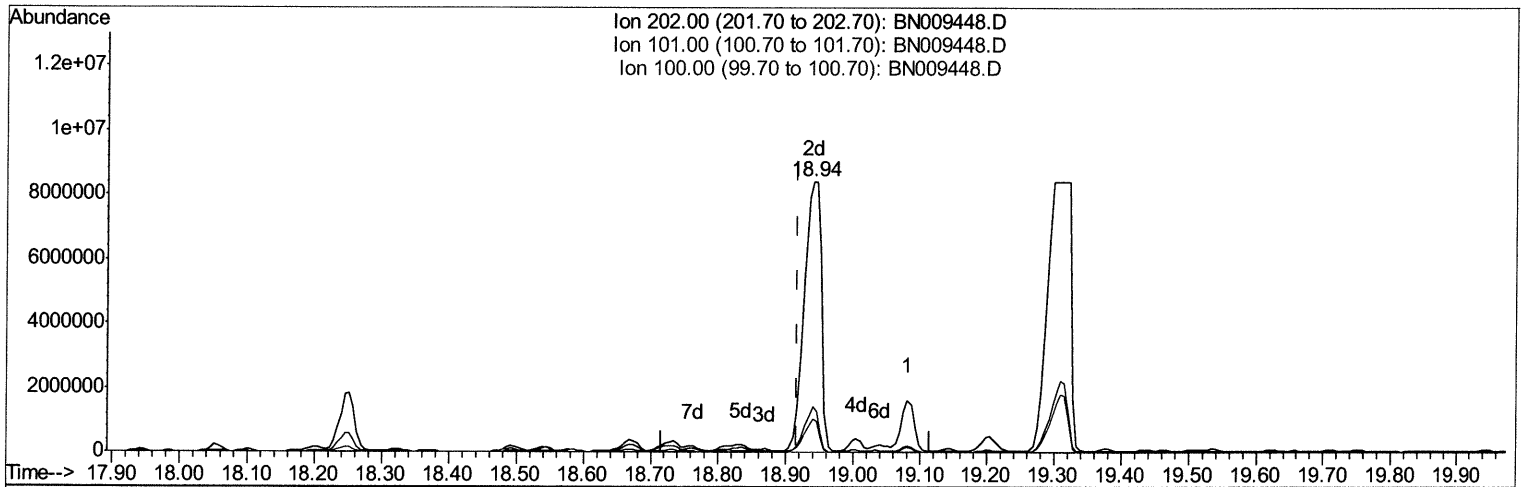
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 GASP4

Manual Integrations
APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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



(76) Fluoranthene (C)

18.939min (+0.023) 266.28ng/ul m JU 01/29/20

response 15102590

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	17.02#
100.00	8.90	12.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

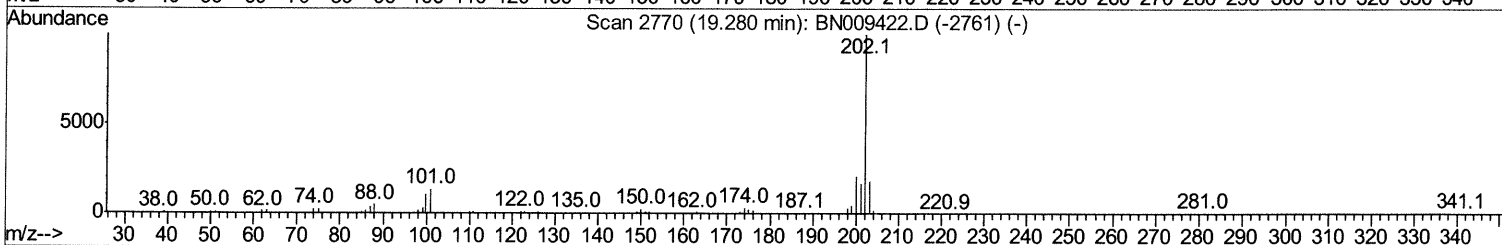
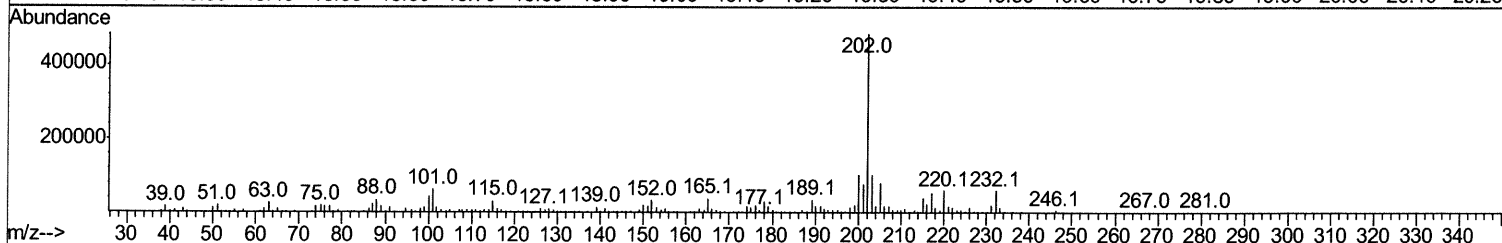
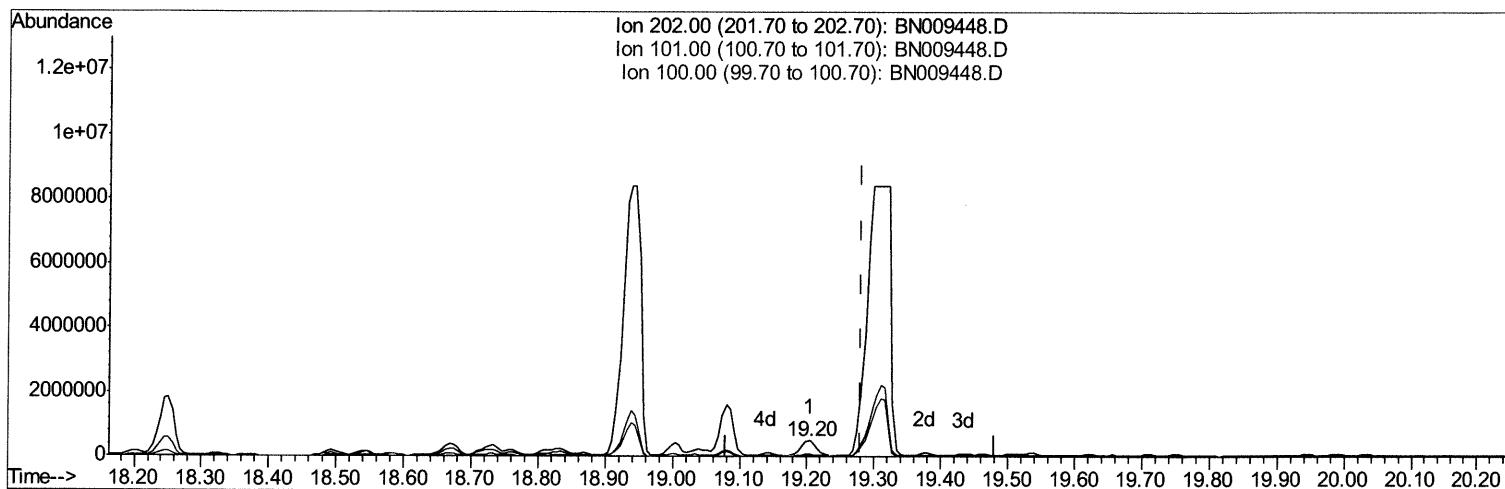
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
Data File : BN009448.D
Acq On : 28 Jan 2020 13:25
Operator : CG/JU
Sample : L1193-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GASP4

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(79) Pyrene

19.204min (-0.077) 13.61ng/ul

response 762092

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	13.00
100.00	10.70	8.81
0.00	0.00	0.00

Quantitation Report (Qedit)

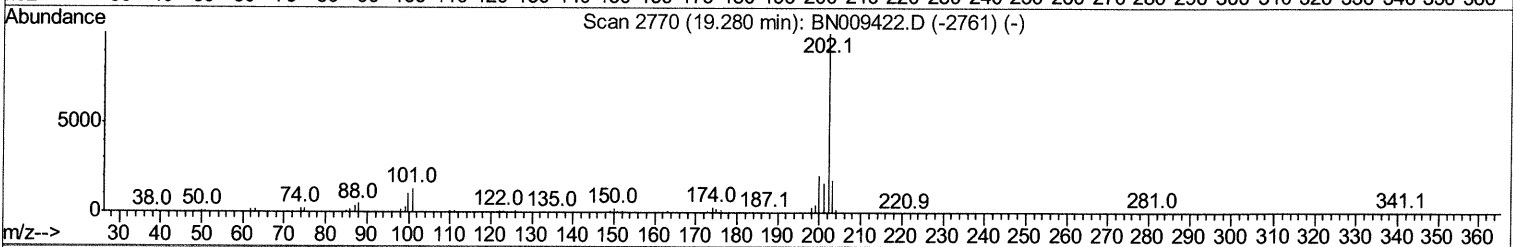
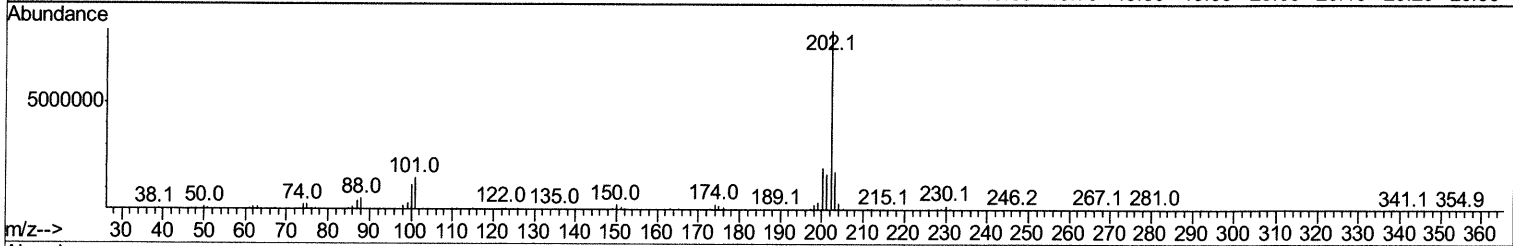
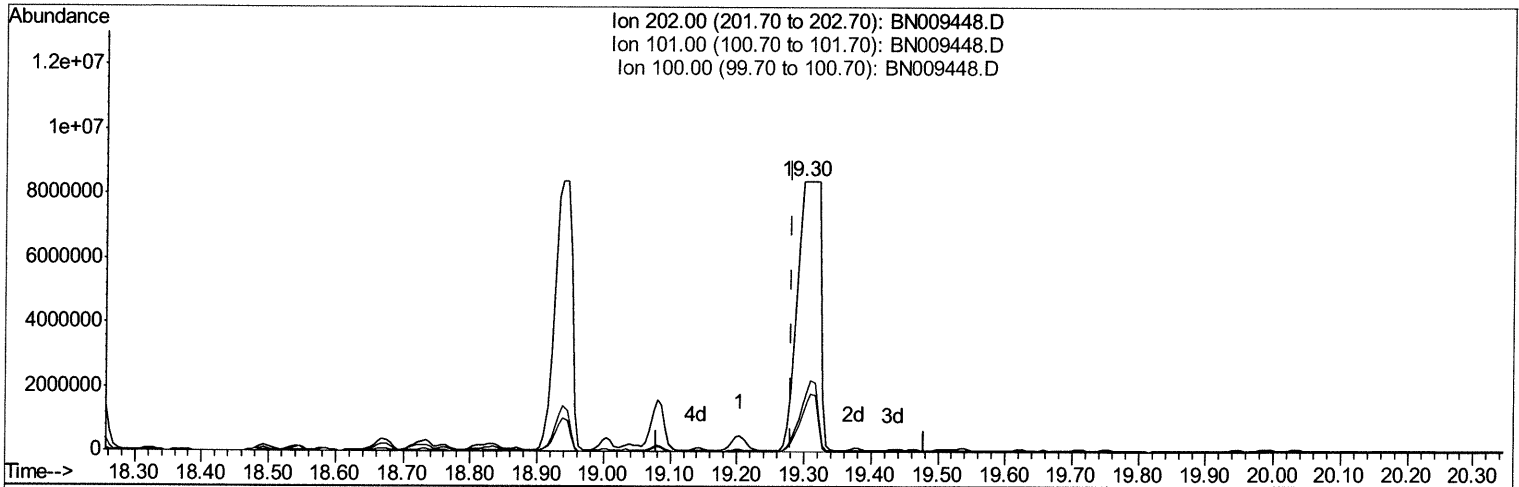
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(79) Pyrene

19.298min (+0.017) 360.27ng/ul m *JU 01/29/20*

response 20176010

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	17.53#
100.00	10.70	13.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

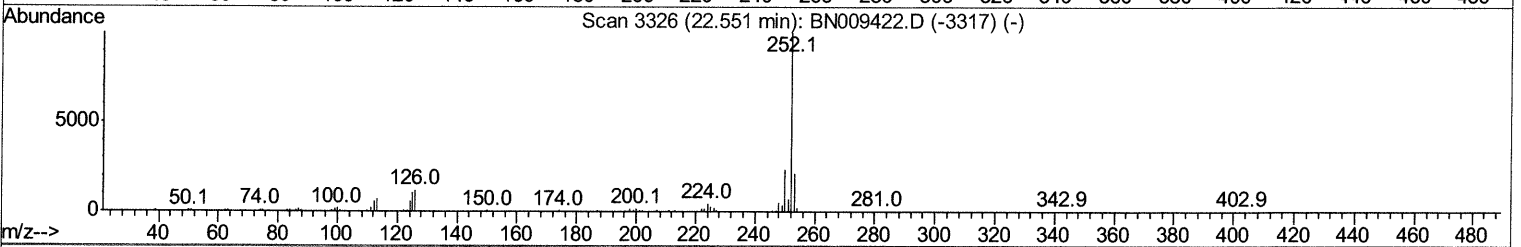
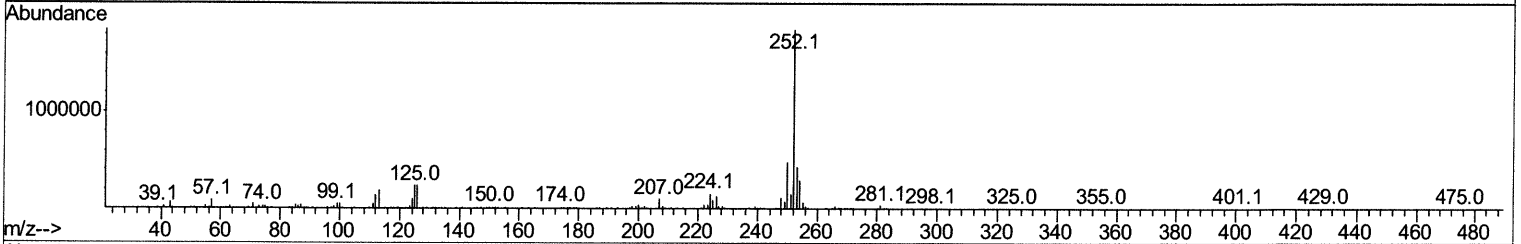
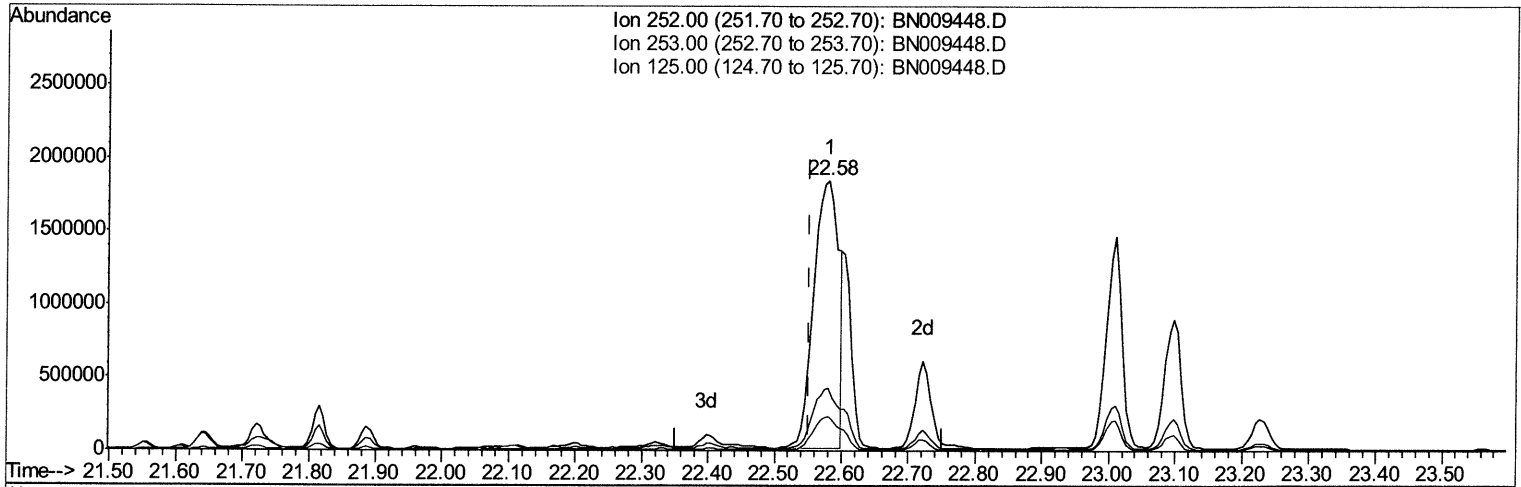
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(87) Benzo(b)fluoranthene

22.580min (+0.029) 85.01ng/ul

response 4729033

Ion	Exp%	Act%
252.00	100	100
253.00	20.60	23.31
125.00	10.20	12.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

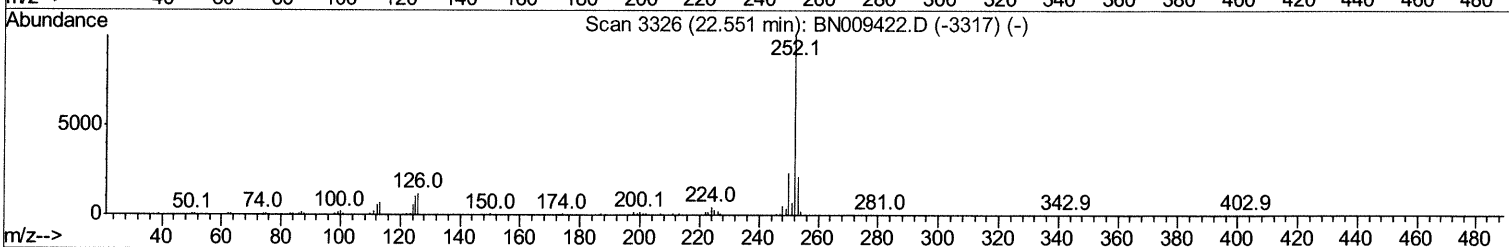
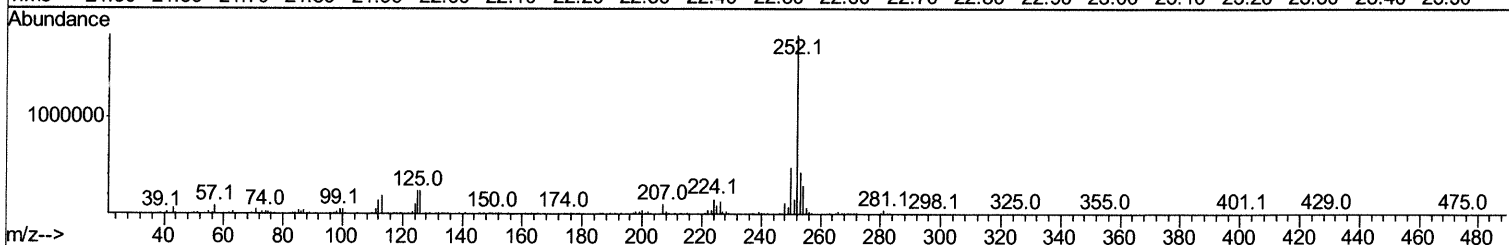
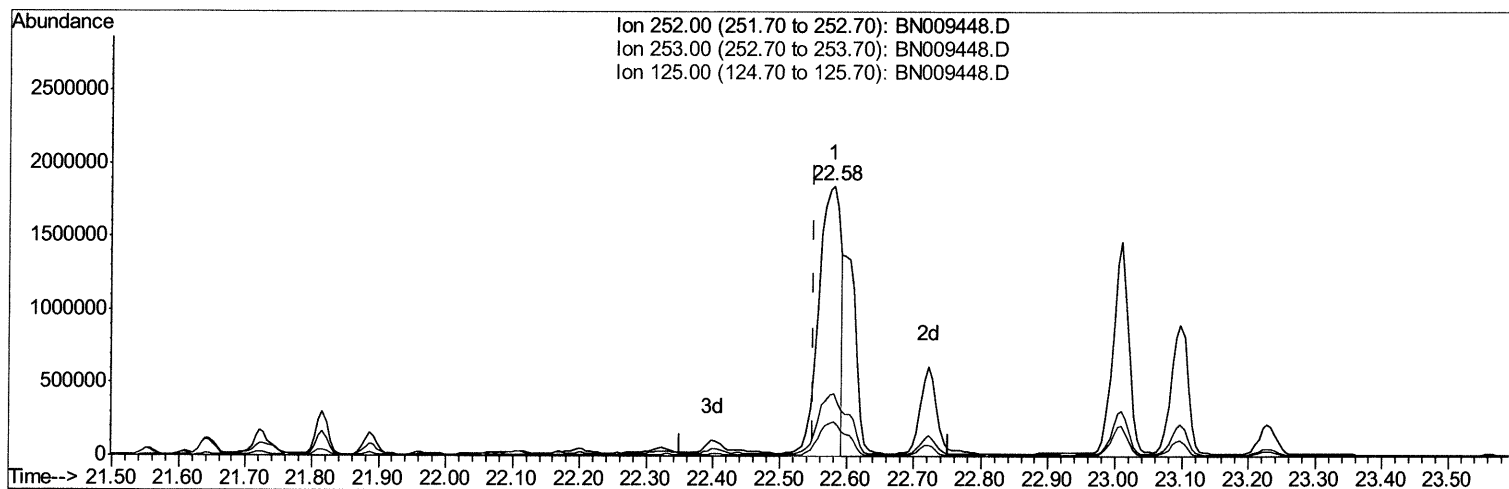
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(87) Benzo(b)fluoranthene

22.580min (+0.029) 78.37ng/ul m *JU 01/29/20*

response 4359827

Ion	Exp%	Act%
252.00	100	100
253.00	20.60	23.31
125.00	10.20	12.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

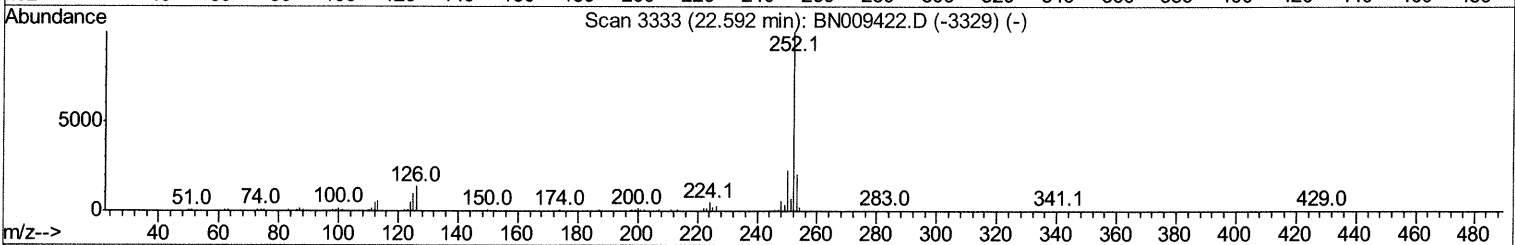
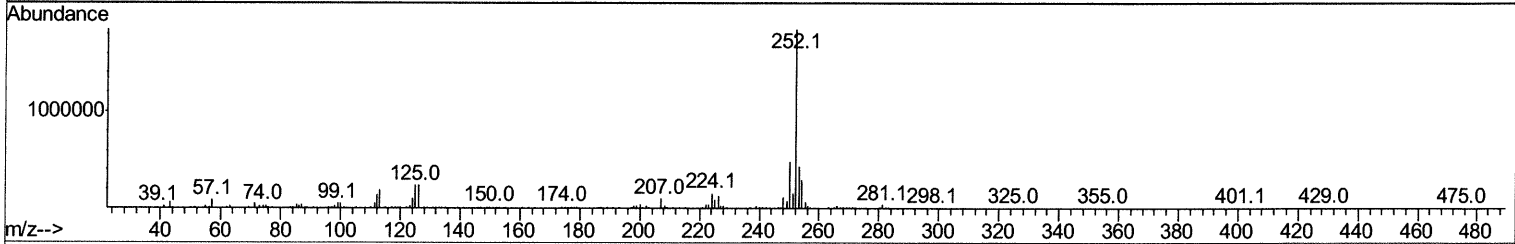
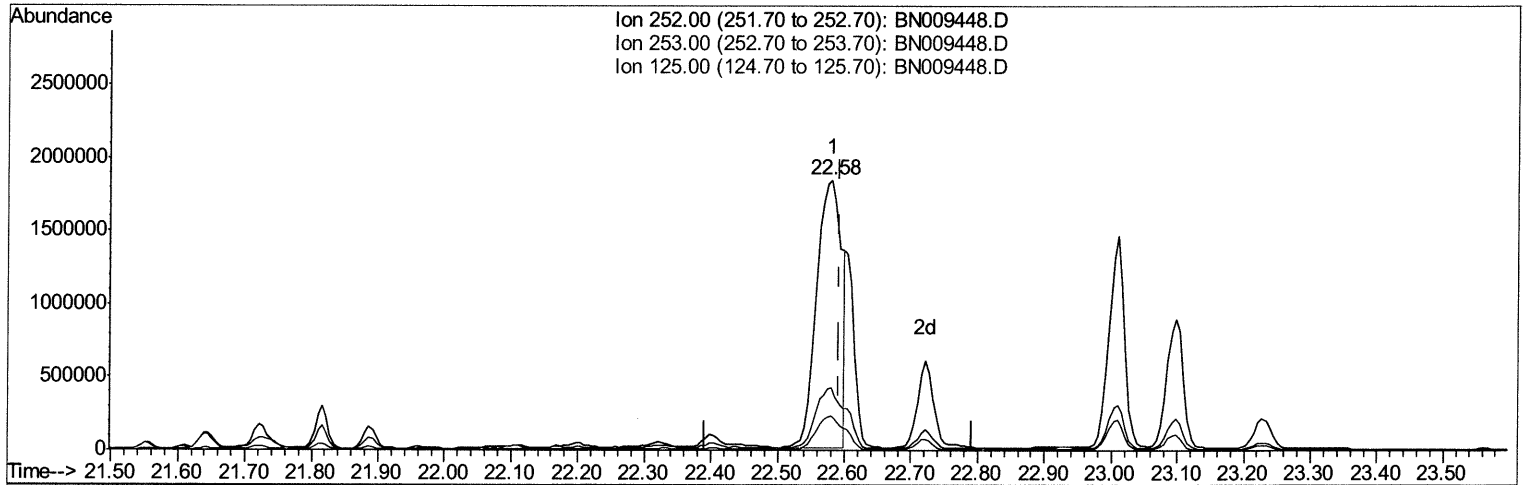
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(88) Benzo(k)fluoranthene

22.580min (-0.012) 86.45ng/ul

response 4729033

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	23.31
125.00	9.80	12.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

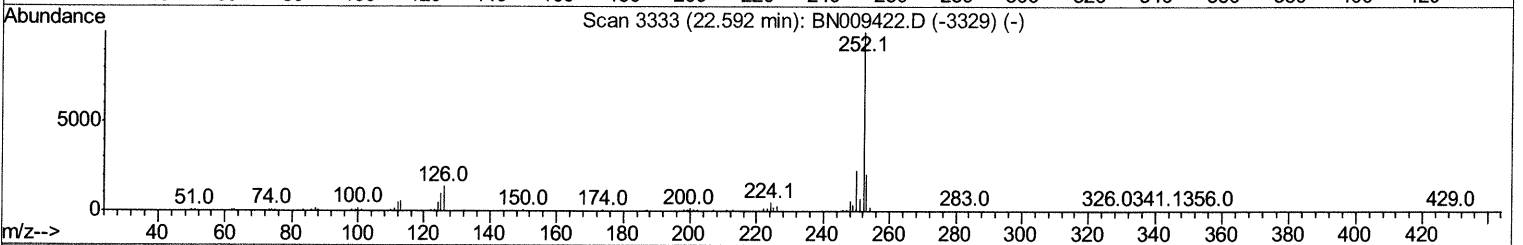
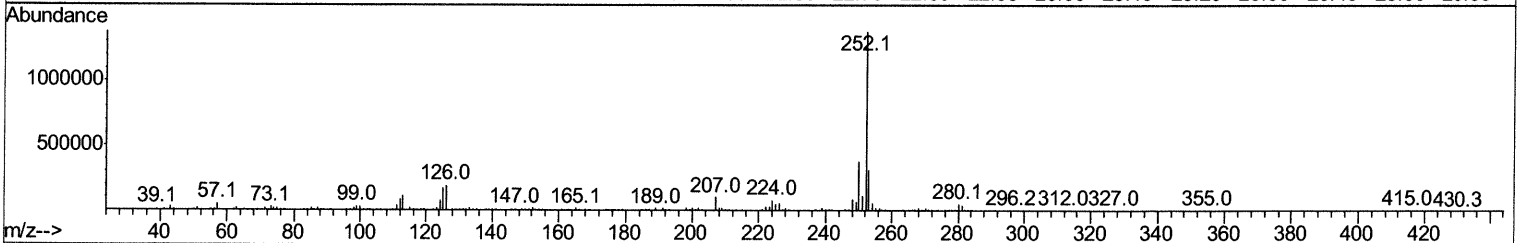
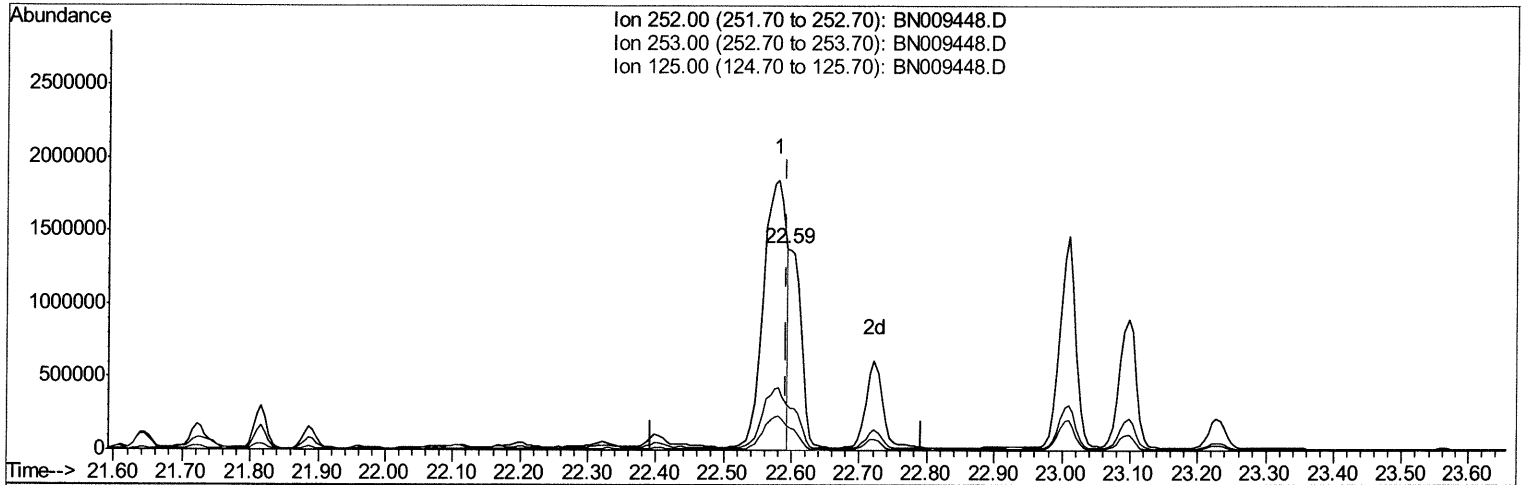
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:06:13 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: BN009448.D

(88) Benzo(k)fluoranthene

22.592min (-0.000) 32.25ng/ul m *JU 01/29/20*

response 1764401

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	22.80
125.00	9.80	12.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

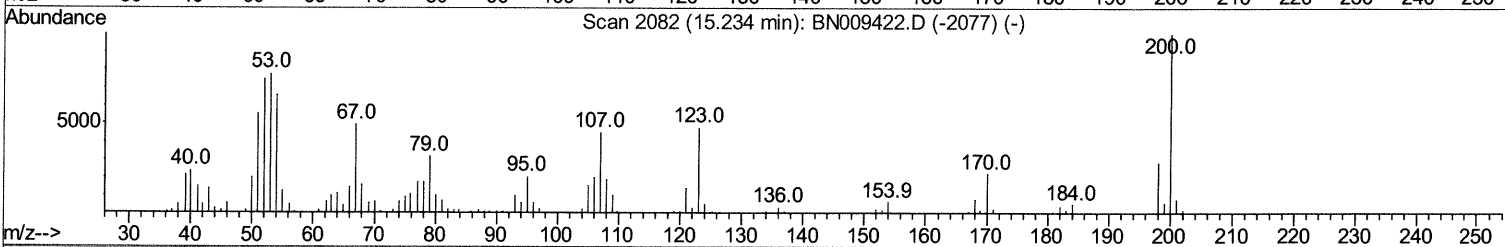
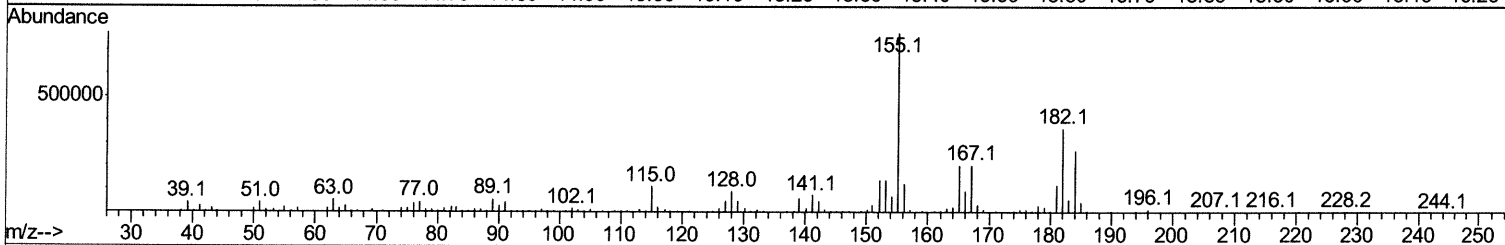
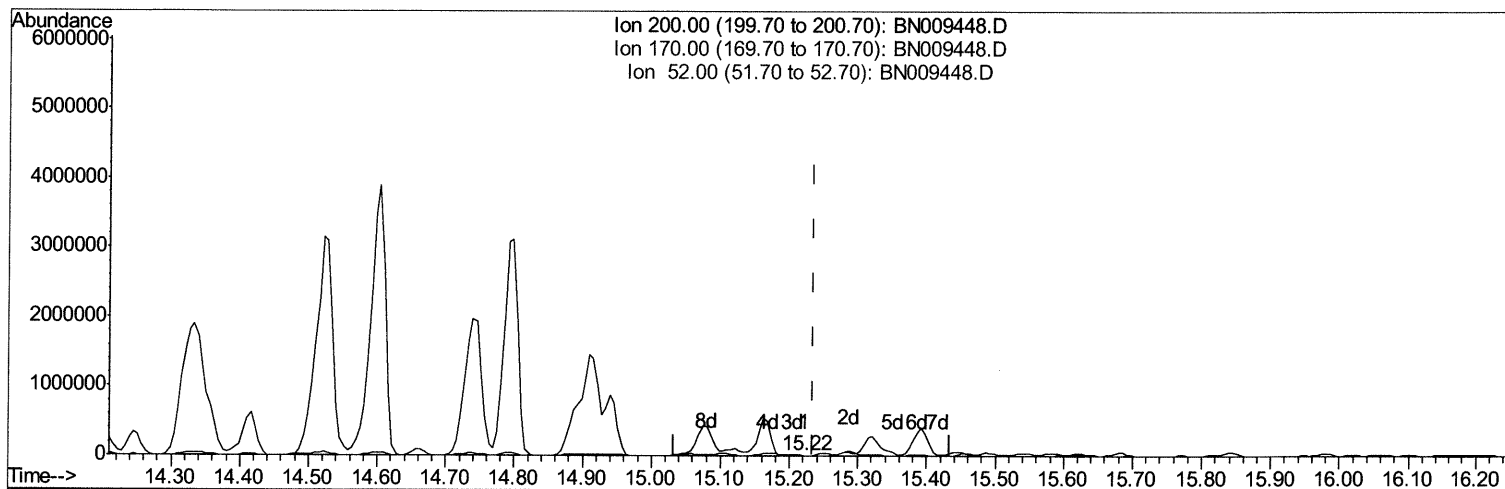
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
Data File : BN009448.D
Acq On : 28 Jan 2020 13:25
Operator : CG/JU
Sample : L1193-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
GASP4

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:09:38 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: BN009448.D

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

15.222min (-0.012) 0.20ng/ul

response 1056

Ion	Exp%	Act%
200.00	100	100
170.00	21.70	130.58#
52.00	72.80	451.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

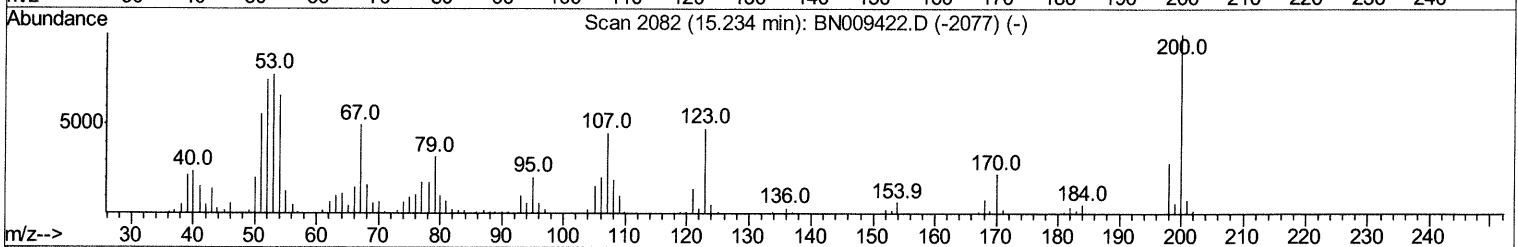
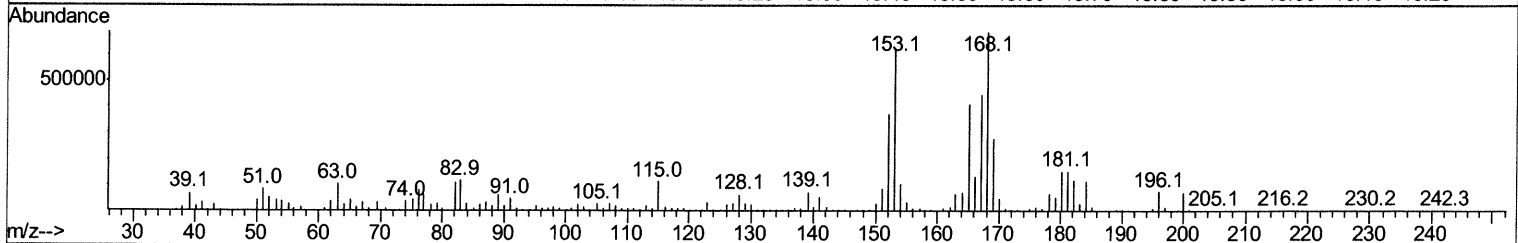
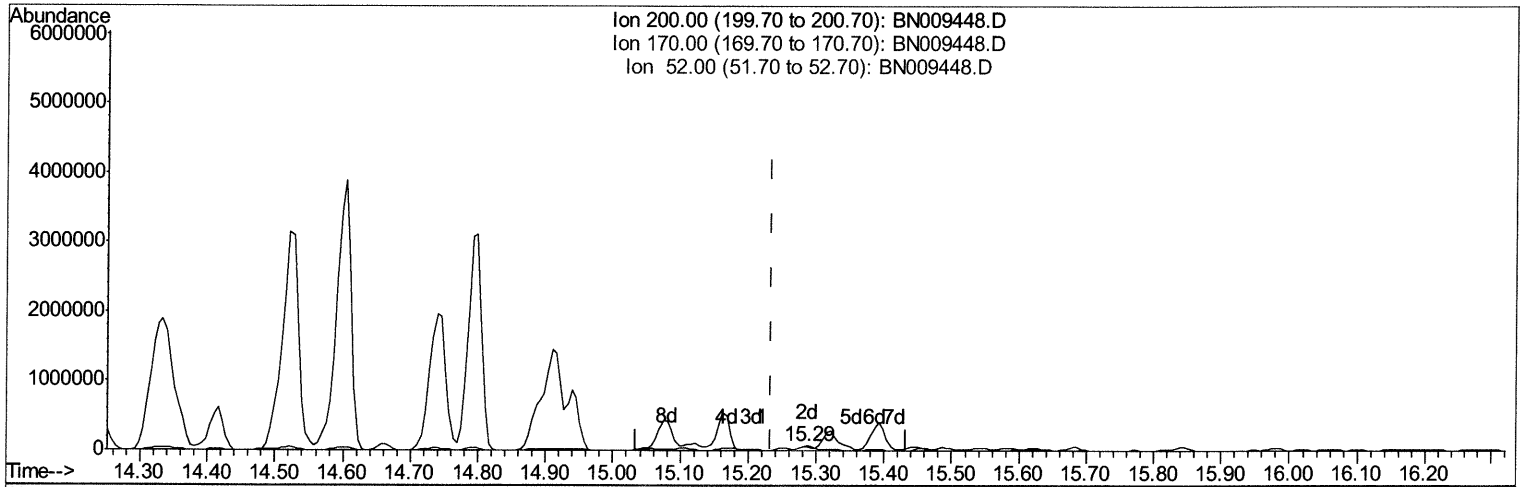
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN012820\
 Data File : BN009448.D
 Acq On : 28 Jan 2020 13:25
 Operator : CG/JU
 Sample : L1193-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4

Manual Integrations
 APPROVED

mohammad
 1/30/2020 8:03:31 AM

Quant Time: Jan 28 14:09:38 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: BN009448.D

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

15.286min (+0.053) 18.45ng/ul m *JU 01/29/20*

response 97978

Ion	Exp%	Act%
200.00	100	100
170.00	21.70	67.23#
52.00	72.80	76.95
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	167583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	693483	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.10	164	601218	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	876856	20.00	ng/ul	0.02
77) Chrysene-d12	21.07	240	773452	20.00	ng/ul	0.01
85) Perylene-d12	23.19	264	879853	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	11079	2.73	ng/uL	0.00
5) Phenol-d5	6.65	99	235164	15.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	177064	16.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	188546	17.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	195623	16.54	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	95712	18.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	103317	19.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	213913	20.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	123950	9.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	650446	14.62	ng/ul	0.02
46) Acenaphthylene-d8	13.81	160	833409	15.78	ng/ul	0.02
51) 4-Nitrophenol-d4	14.34	143	164793	19.90	ng/ul	0.02
57) Fluorene-d10	15.11	176	642368	16.45	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.29	200	97978m	18.45	ng/ul	0.05
70) Anthracene-d10	16.98	188	891293	21.97	ng/ul	0.03
78) Pyrene-d10	19.26	212	989201	23.77	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.05	264	981170	22.09	ng/ul	0.01

JU 01/29/20

Target Compounds

					Ovalue	
4) Benzaldehyde	6.63	77	10253	1.314	ng/ul	92
14) Acetophenone	8.27	105	47738	2.498	ng/ul	93
24) 2,4-Dimethylphenol	9.42	107	26676	1.995	ng/ul#	78
28) Naphthalene	10.27	128	10960992	293.710	ng/ul	98
34) 2-Methylnaphthalene	11.90	142	59864884m	2330.129	ng/ul	74
40) 1,1'-Biphenyl	12.93	154	3773525	82.889	ng/ul	100
44) Dimethylphthalate	13.58	163	126393	2.759	ng/ul#	95
47) Acenaphthylene	13.84	152	9726639	170.656	ng/ul#	94
49) Acenaphthene	14.17	153	2872693	73.879	ng/ul	98
53) Dibenzofuran	14.52	168	5299368	98.092	ng/ul	97
58) Fluorene	15.17	166	10631338	234.851	ng/ul	97
69) Phenanthrene	16.90	178	39387951m	796.097	ng/ul	7
71) Anthracene	17.00	178	3034789	60.244	ng/ul	99
76) Fluoranthene	18.94	202	15102590m	266.279	ng/ul	74
79) Pyrene	19.30	202	20176010m	360.266	ng/ul	74
82) Benzo(a)anthracene	21.06	228	8481478	161.028	ng/ul#	92
84) Chrysene	21.11	228	8427640	164.254	ng/ul	95
87) Benzo(b)fluoranthene	22.58	252	4359827m	78.369	ng/ul	74
88) Benzo(k)fluoranthene	22.59	252	1764401m	32.255	ng/ul	74
90) Benzo(a)pyrene	23.10	252	1501765	30.074	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.26	276	1575360	26.032	ng/ul	98
92) Dibenzo(a,h)anthracene	25.26	278	668381	13.091	ng/ul	97
93) Benzo(g,h,i)perylene	25.89	276	1224501	24.326	ng/ul	97

JU 01/29/20

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