

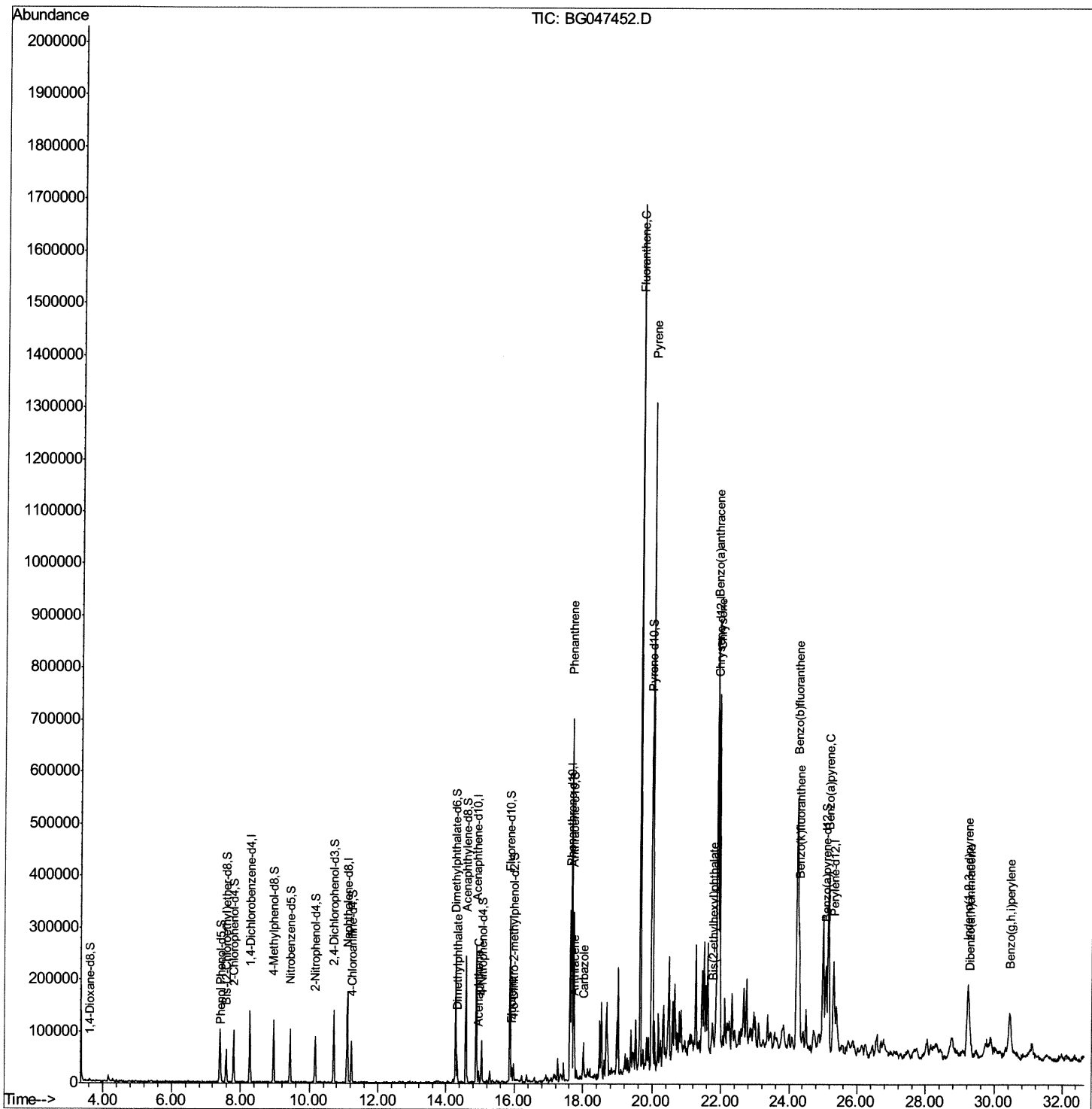
```
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
Data File : BG047452.D  
Acq On    : 24 Nov 2020   18:48  
Operator  : CG/JU  
Sample    : L4751-05  
Misc      :  
ALS Vial  : 38      Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
C0B90

Manual Integrations

mohammad
11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:46:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 25 01:15:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

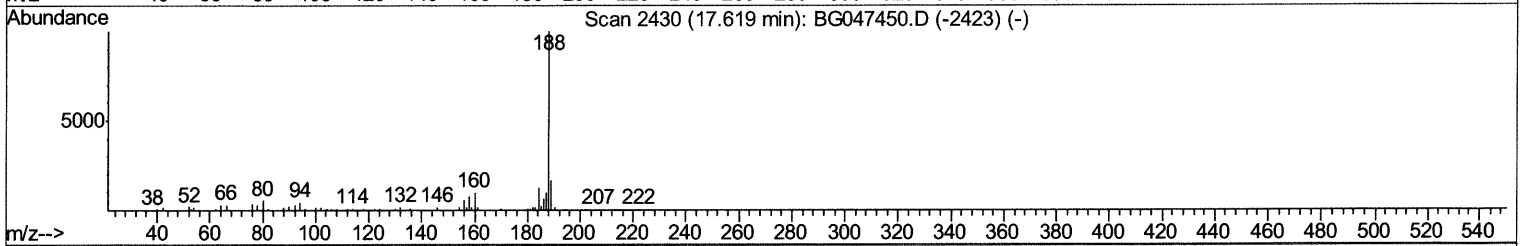
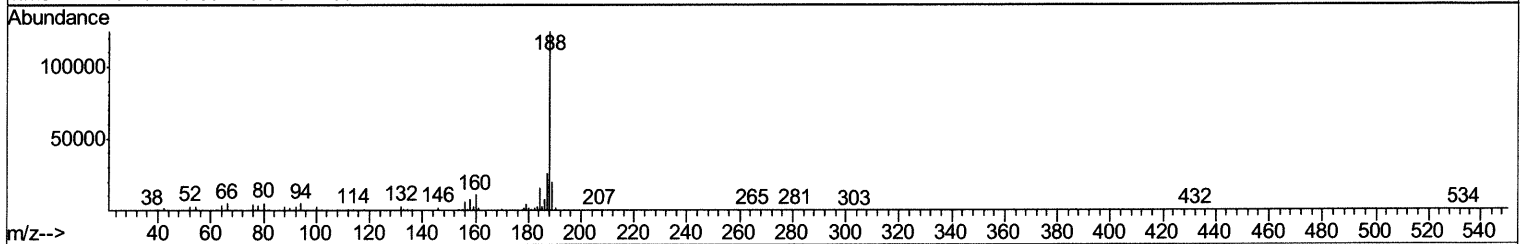
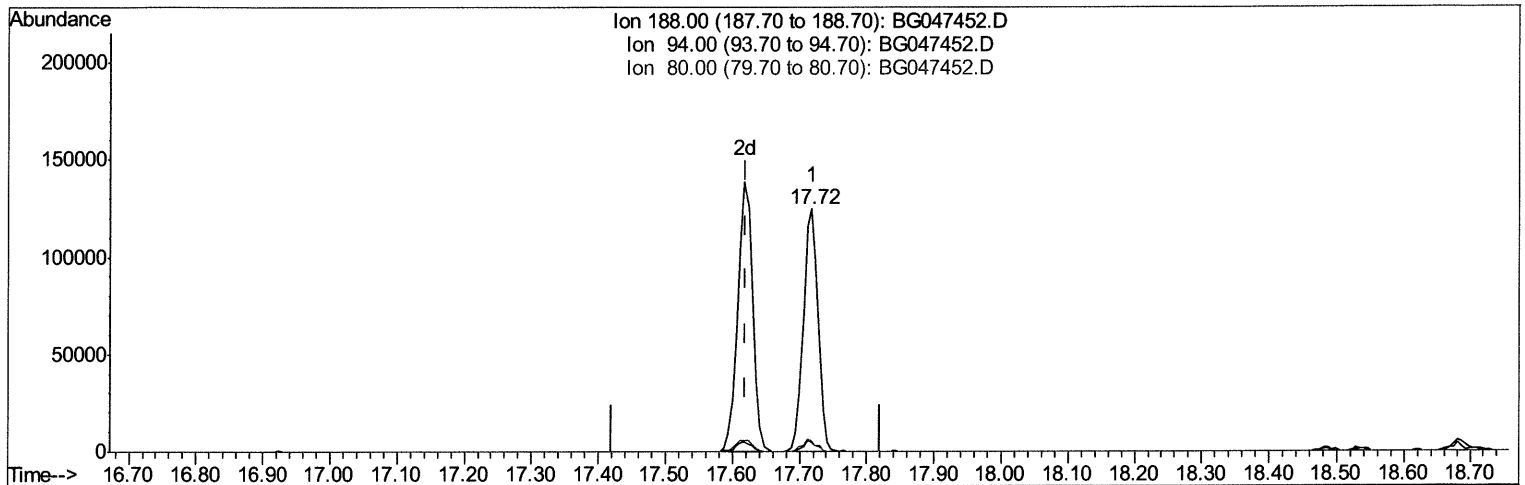
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0B90

Manual Integrations
APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:22:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(62) Phenanthrene-d10 (I)
 17.718min (+0.097) 20.00ng/ul
 response 188395

Ion	Exp%	Act%
188.00	100	100
94.00	4.60	4.21
80.00	5.30	4.45
0.00	0.00	0.00

Quantitation Report (Qedit)

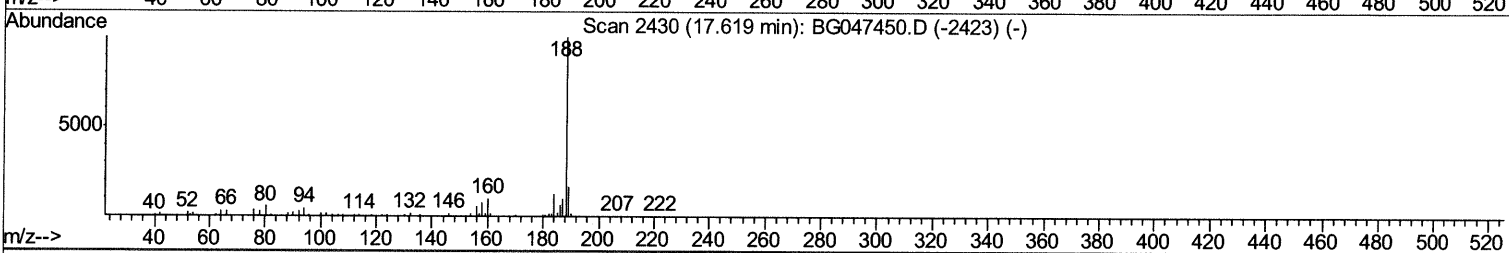
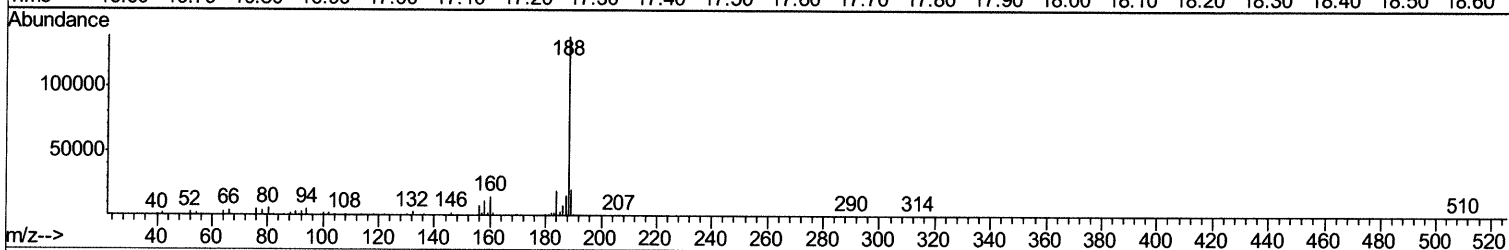
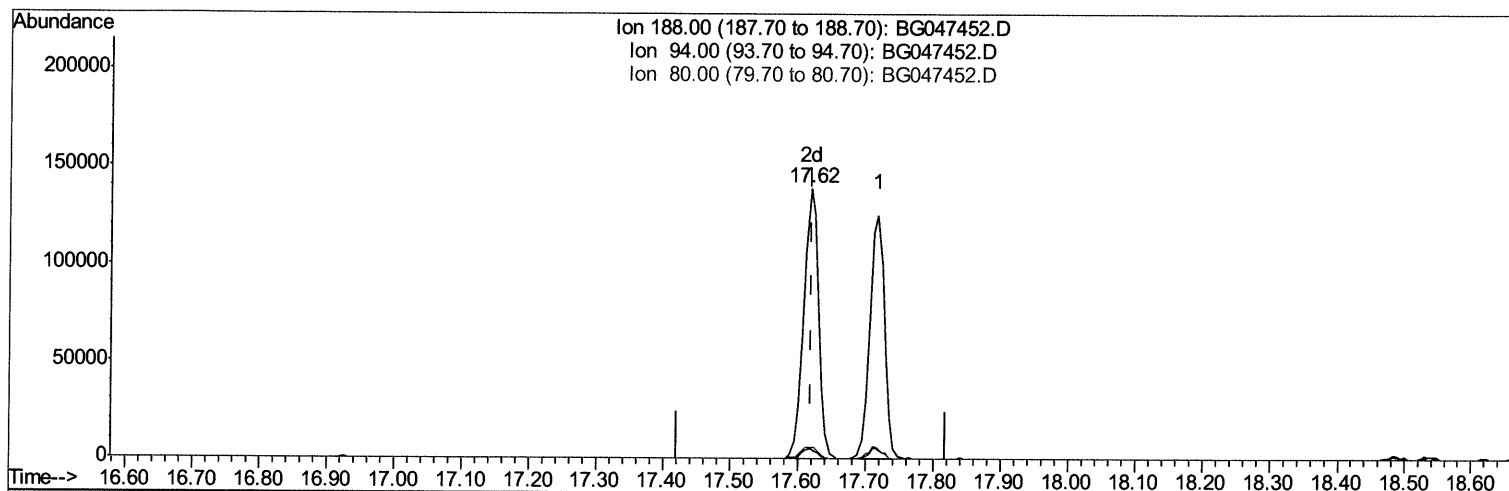
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(62) Phenanthrene-d10 (I)

17.618min (-0.003) 20.00ng/ul m 11/25/2020

response 212312

Ion	Exp%	Act%
188.00	100	100
94.00	4.60	3.74
80.00	5.30	4.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

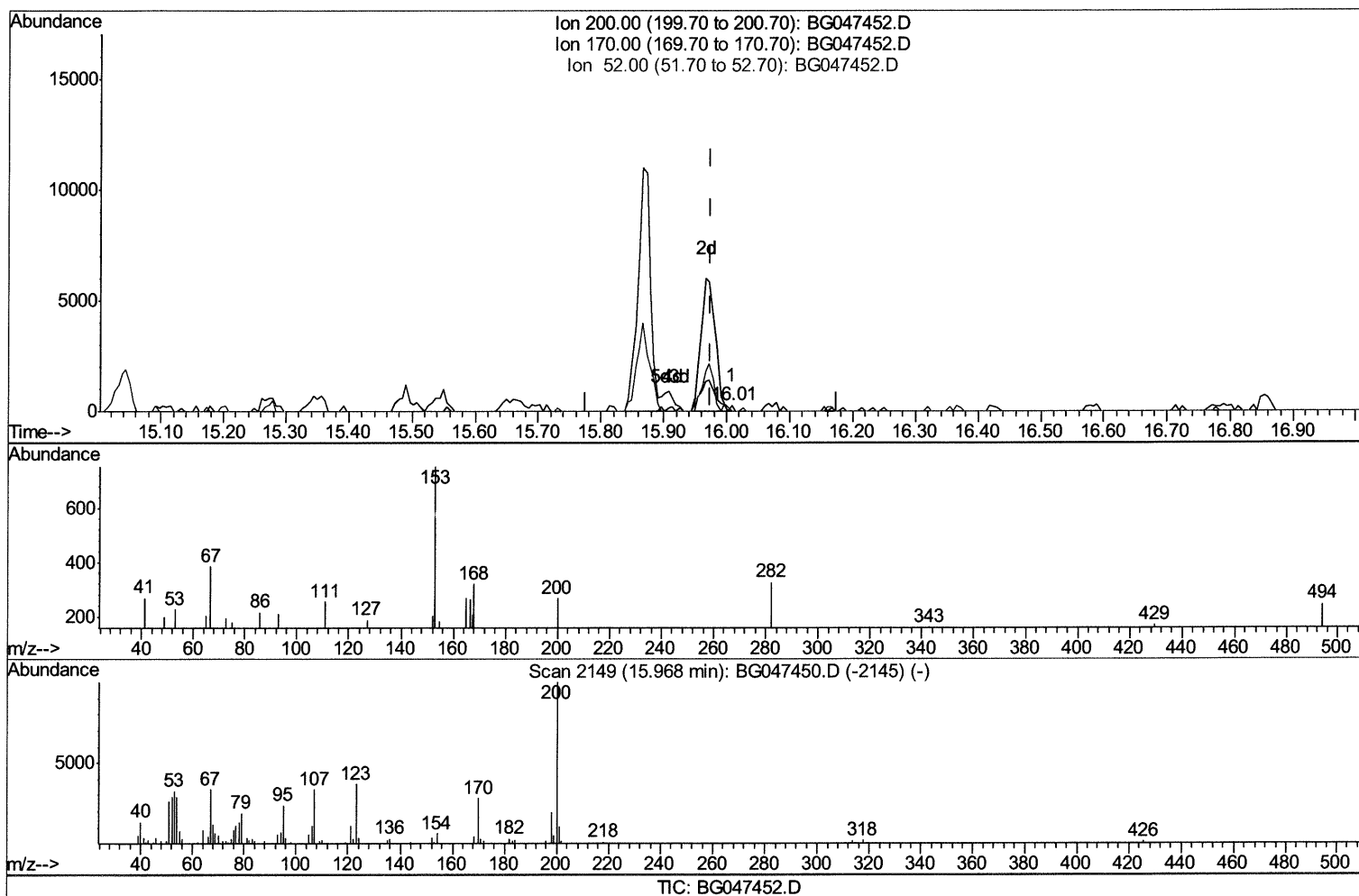
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B90

Manual Integrations
APPROVED

mohammad
11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 25 01:15:04 2020
Response via : Initial Calibration



(63) 4,6-Dinitro-2-methylphenol-d2 (S)

16.008min (+0.033) 0.08ng/ul

response 94

Ion	Exp%	Act%
200.00	100	100
170.00	18.20	0.00#
52.00	39.70	0.00#
0.00	0.00	0.00

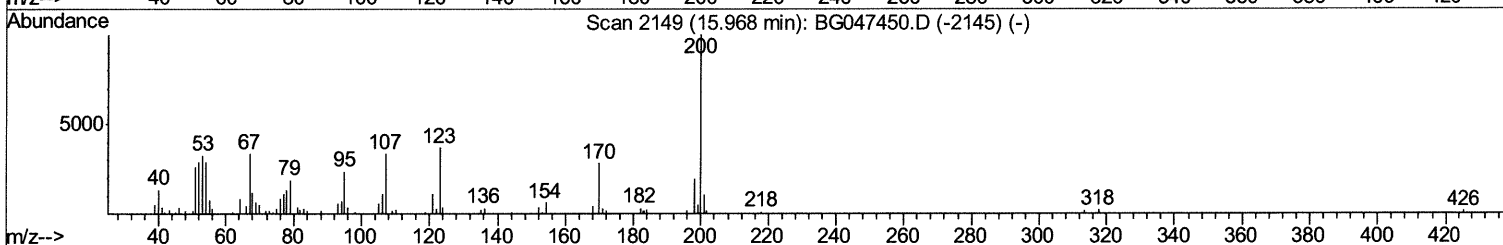
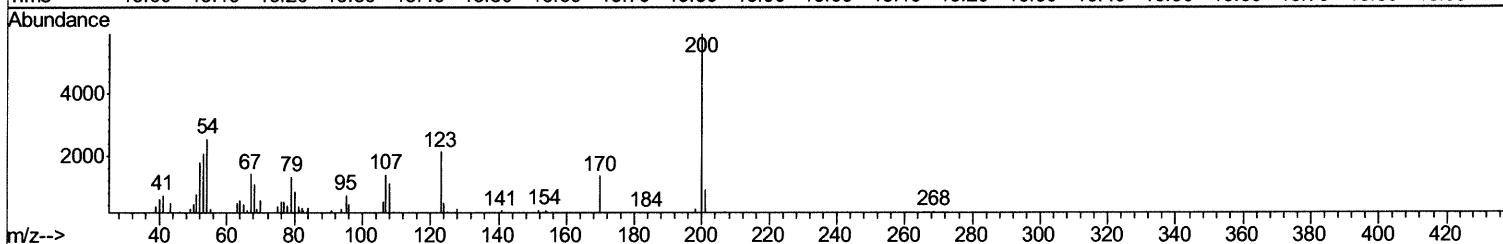
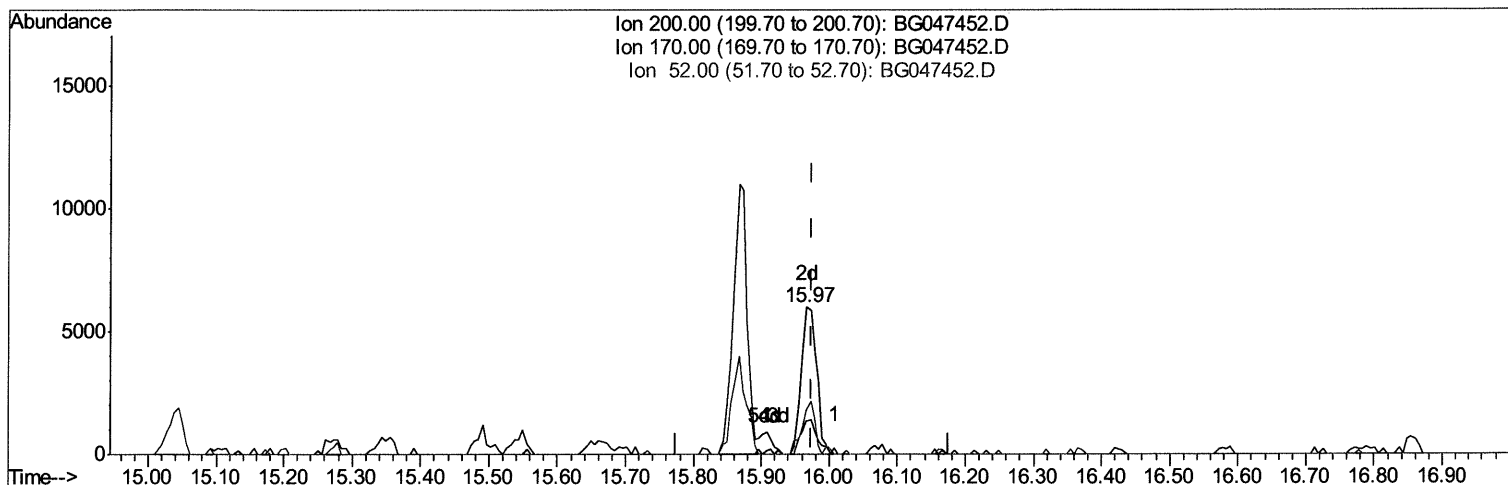
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B90

Manual Integrations
APPROVED

mohammad
11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 25 01:15:04 2020
Response via : Initial Calibration



TIC: BG047452.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.967min (-0.009) 7.74ng/ul m 11/25/2020

response 9359

Ion	Exp%	Act%
200.00	100	100
170.00	18.20	22.39#
52.00	39.70	29.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

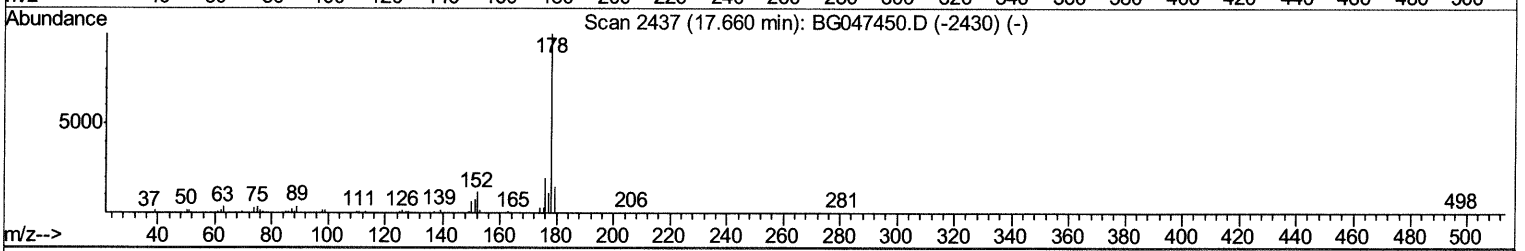
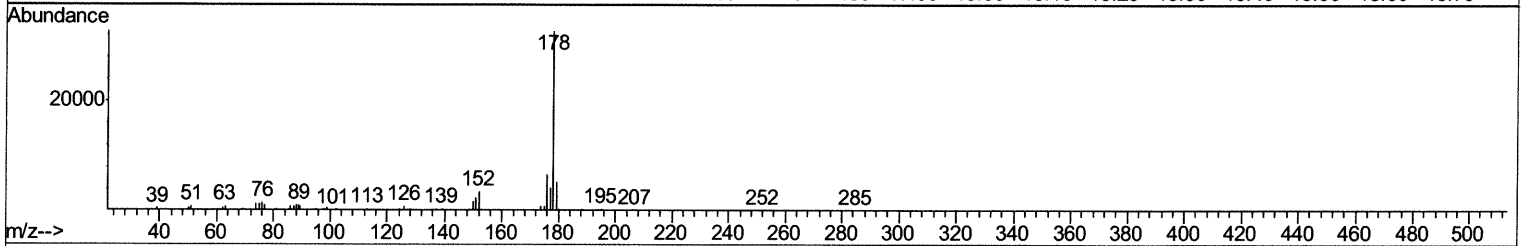
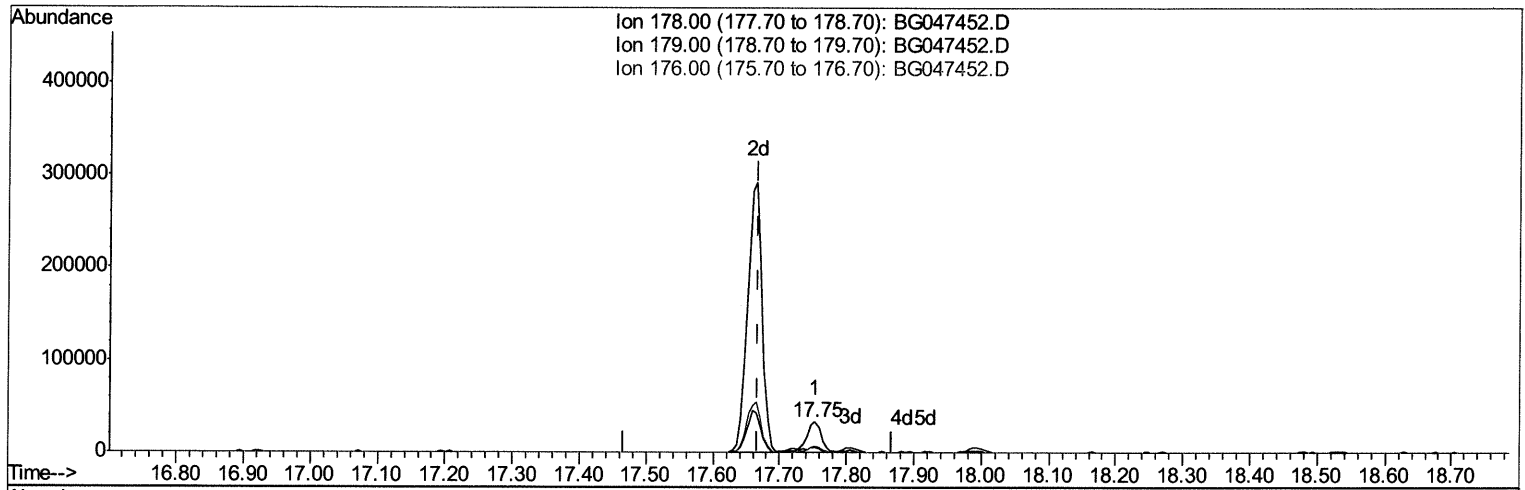
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0B90

Manual Integrations
APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(70) Phenanthrene

17.753min (+0.085) 4.50ng/ul

response 51547

Ion	Exp%	Act%
178.00	100	100
179.00	14.70	16.13
176.00	17.40	20.03
0.00	0.00	0.00

Quantitation Report (Qedit)

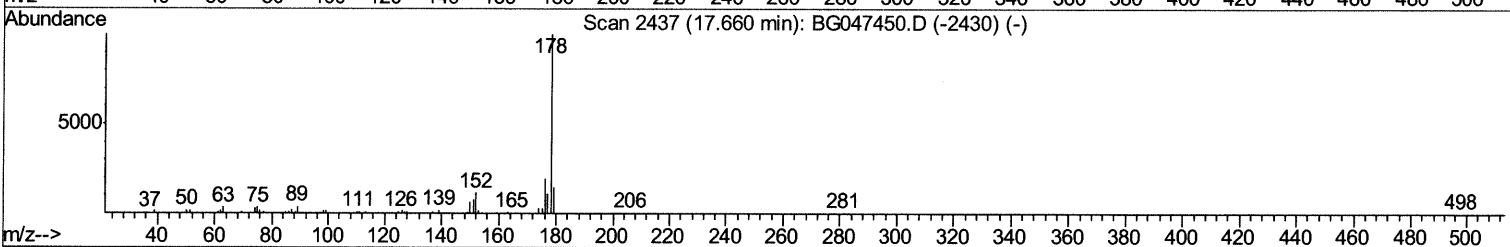
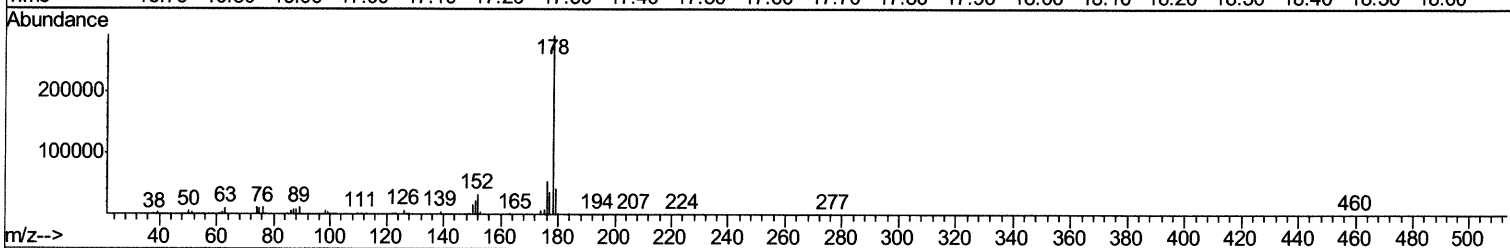
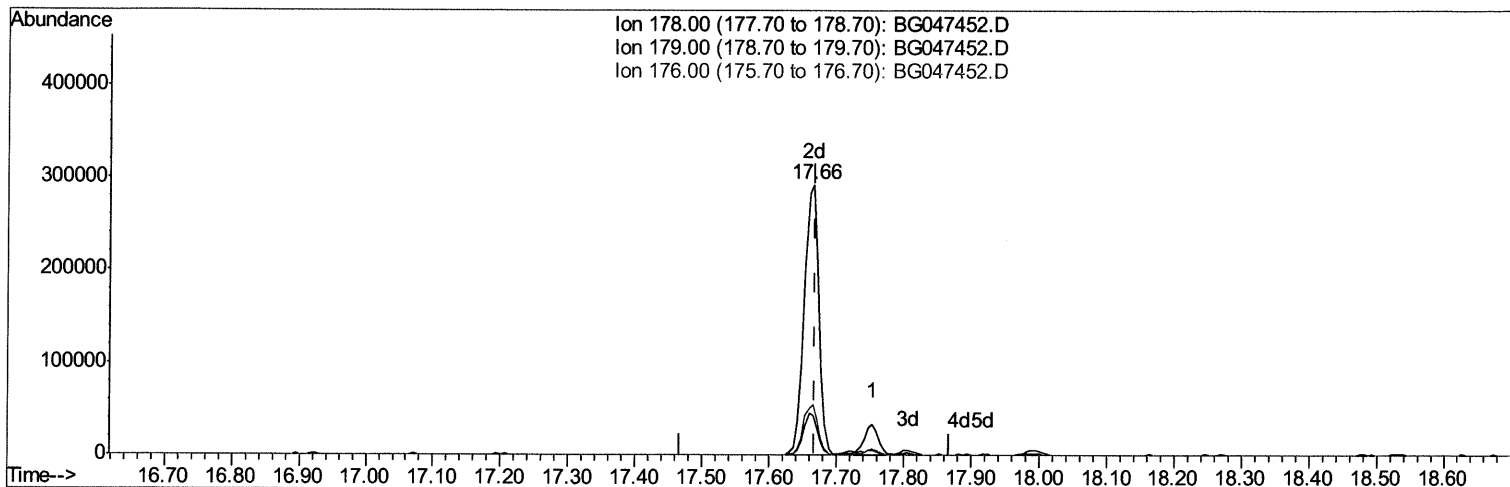
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(70) Phenanthrene

17.665min (-0.003) 38.71ng/ul m 11/25/2020

response 443813

Ion	Exp%	Act%
178.00	100	100
179.00	14.70	14.59
176.00	17.40	18.75
0.00	0.00	0.00

Quantitation Report (Qedit)

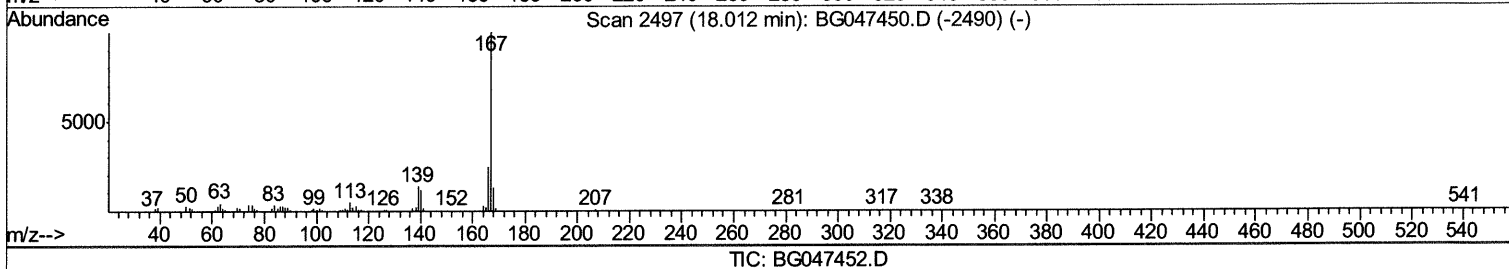
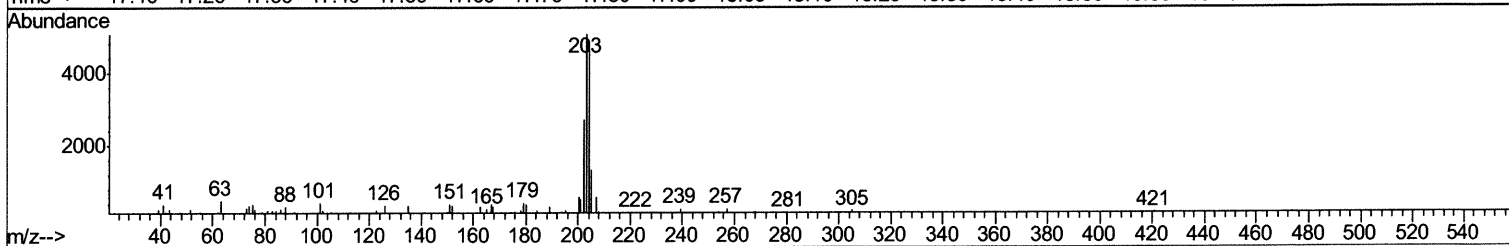
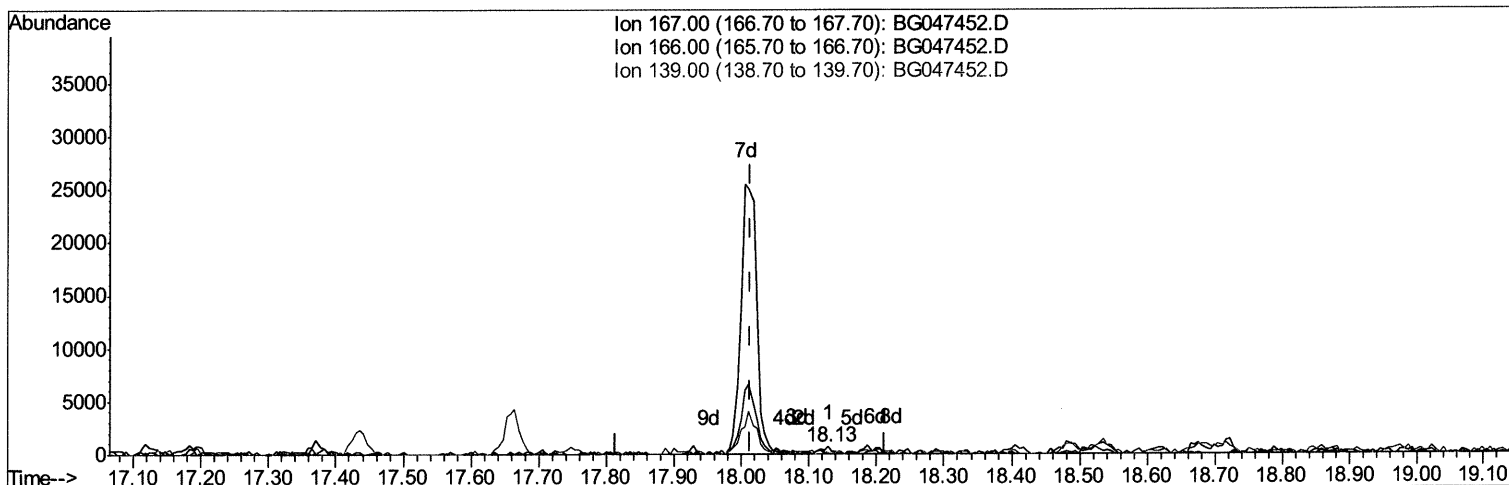
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B90

Manual Integrations
APPROVED

mohammad
11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 25 01:15:04 2020
Response via : Initial Calibration



(75) Carbazole

18.129min (+0.115) 0.08ng/ul

response 755

Ion	Exp%	Act%
167.00	100	100
166.00	24.00	0.00#
139.00	12.50	24.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

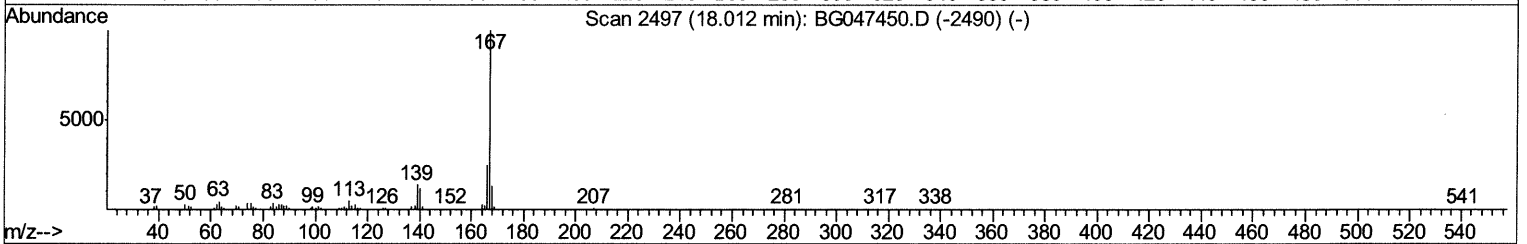
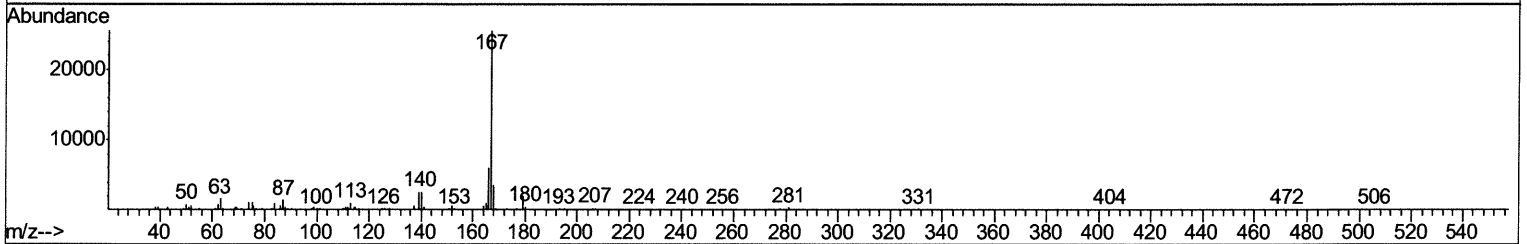
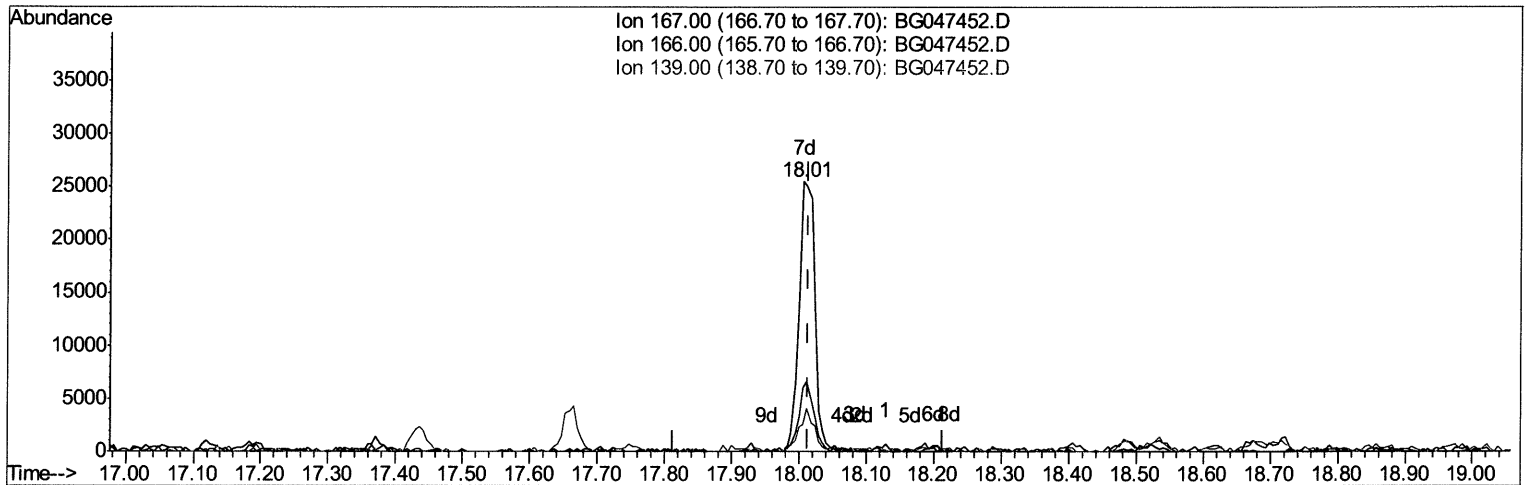
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(75) Carbazole

18.005min (-0.009) 4.44ng/ul m 11/25/2020

response 41363

Ion	Exp%	Act%
167.00	100	100
166.00	24.00	23.52
139.00	12.50	9.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

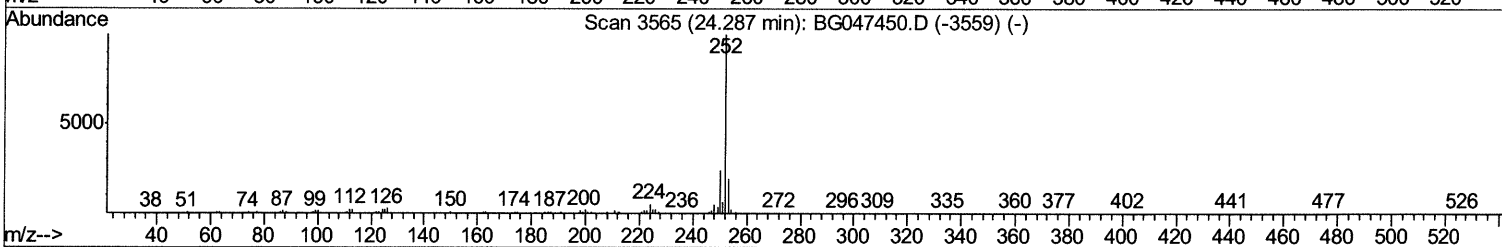
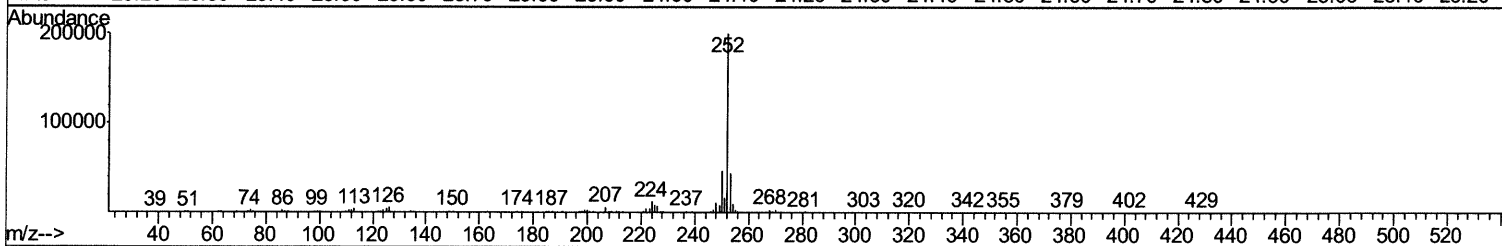
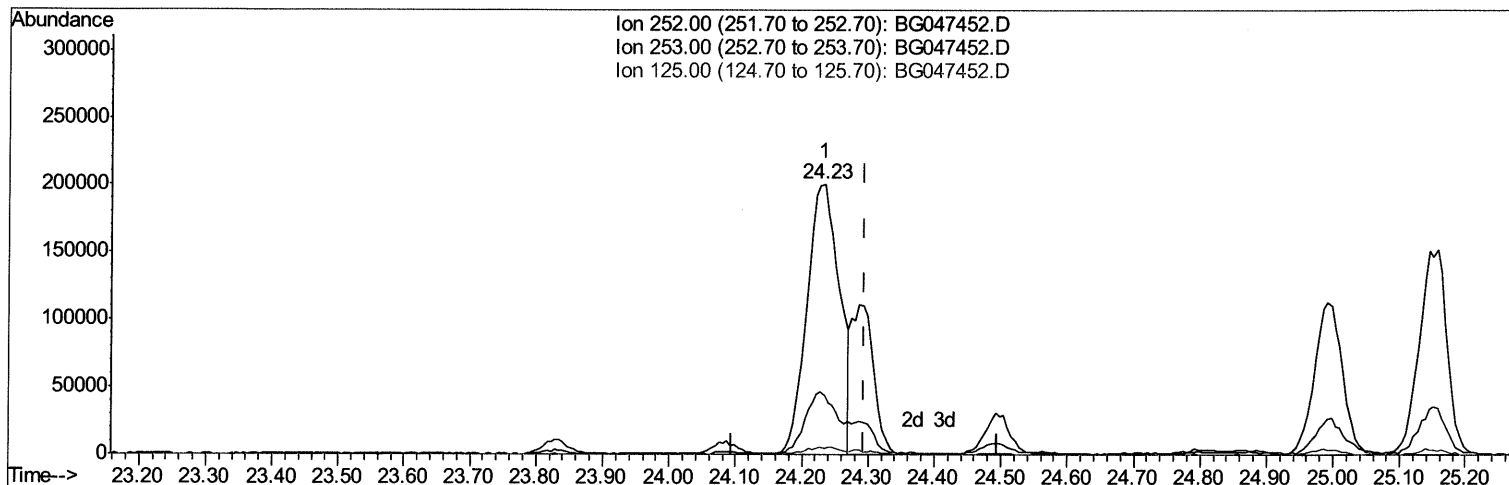
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(89) Benzo(k)fluoranthene

24.233min (-0.061) 48.89ng/ul

response 680923

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	21.70
125.00	2.70	2.36
0.00	0.00	0.00

Quantitation Report (Qedit)

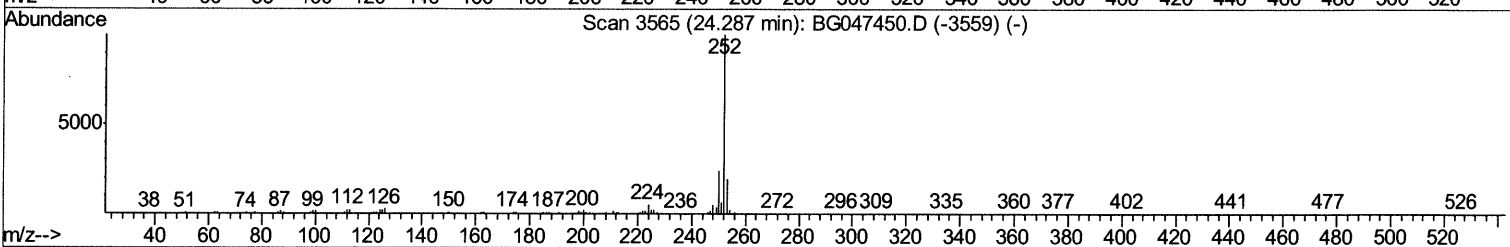
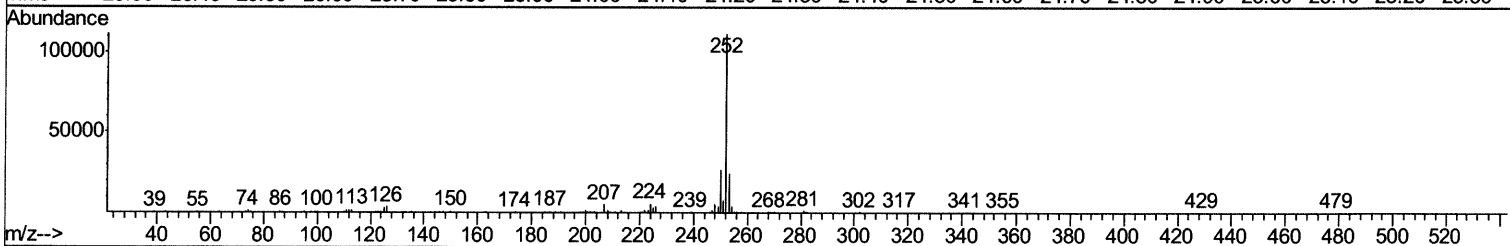
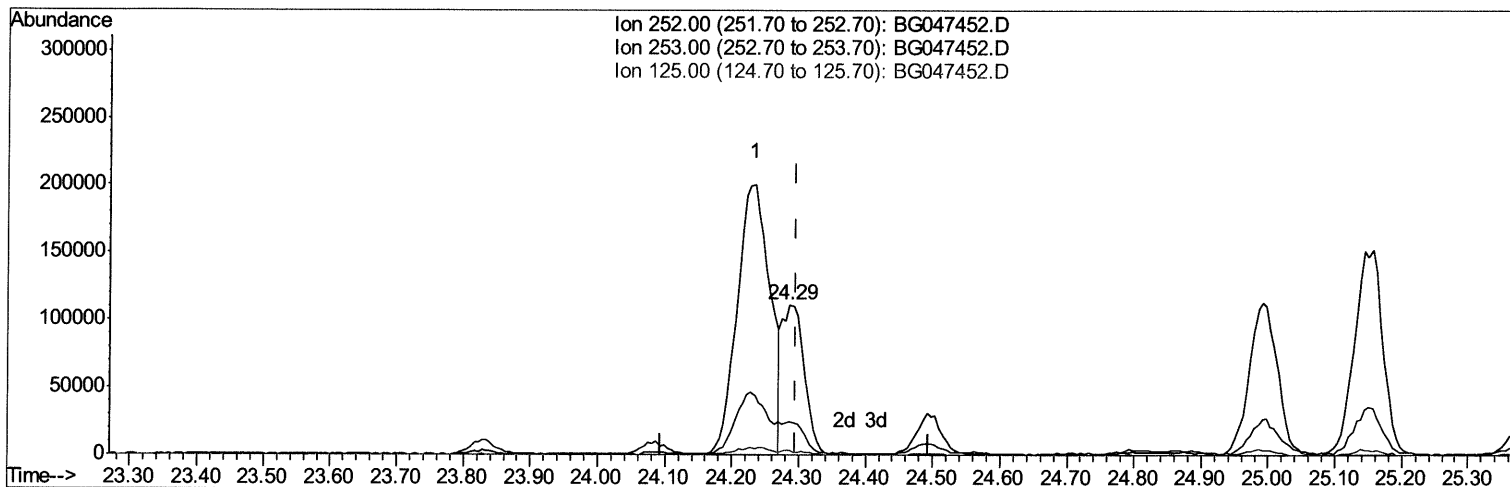
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(89) Benzo(k)fluoranthene

24.286min (-0.009) 18.41ng/ul m 11/25/2020

response 256458

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	21.76
125.00	2.70	3.13
0.00	0.00	0.00

Quantitation Report (Qedit)

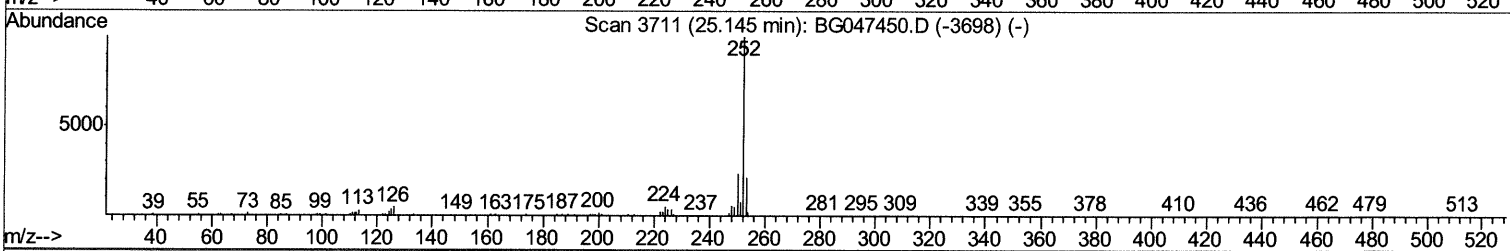
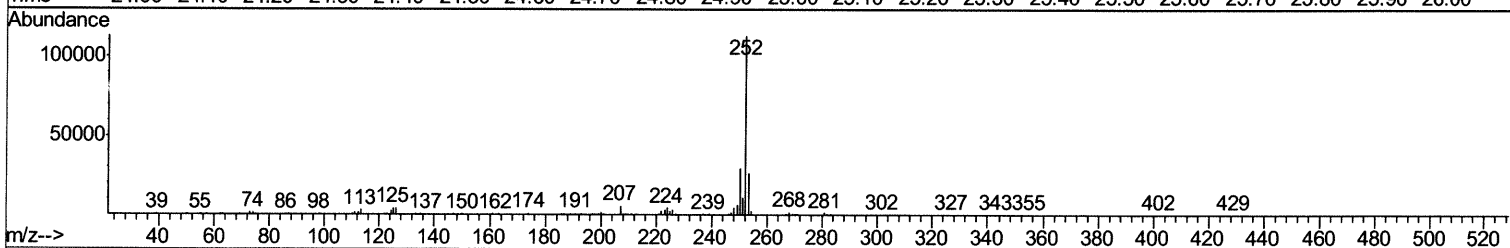
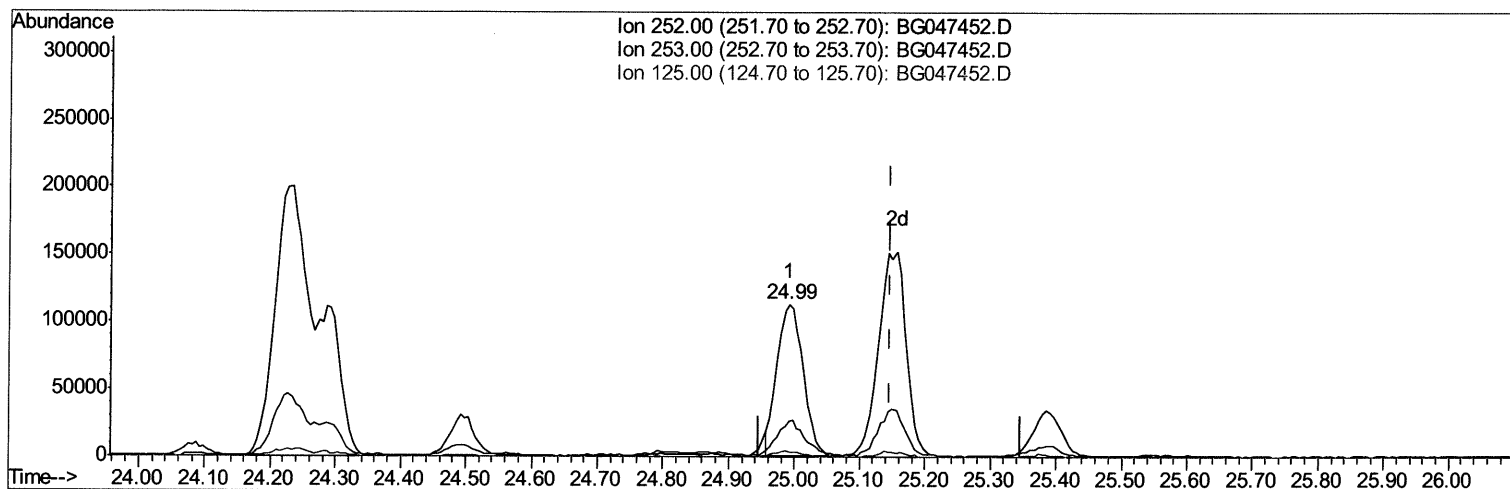
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(91) Benzo(a)pyrene (C)

24.991min (-0.155) 24.58ng/ul

response 309669

Ion	Exp%	Act%
252.00	100	100
253.00	23.20	23.52
125.00	3.90	3.58
0.00	0.00	0.00

Quantitation Report (Qedit)

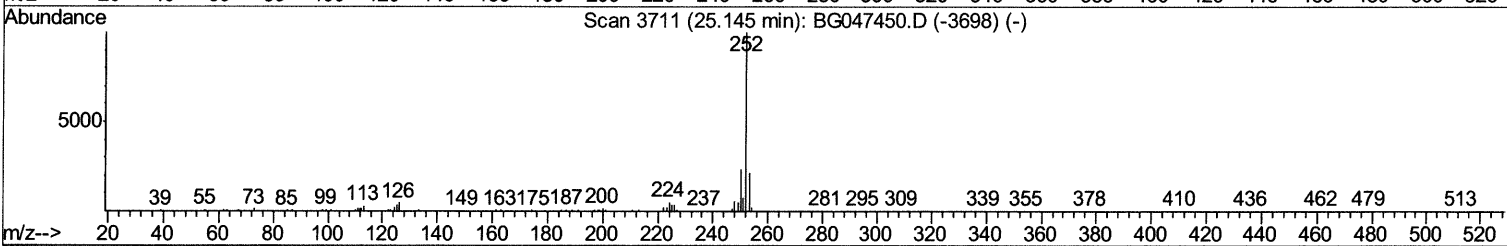
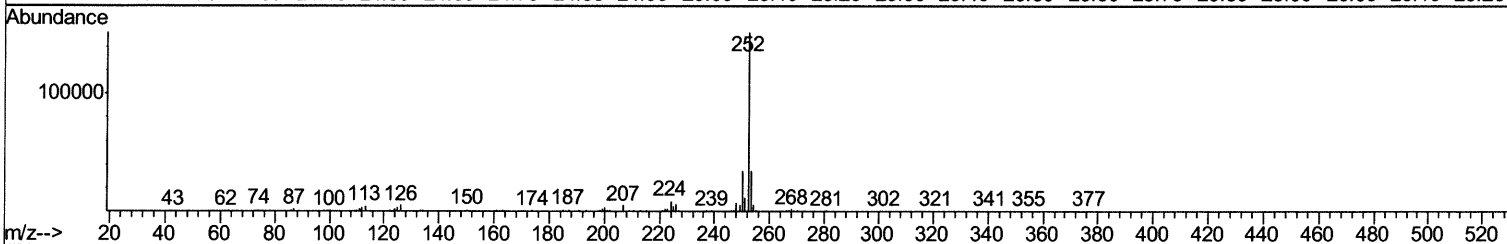
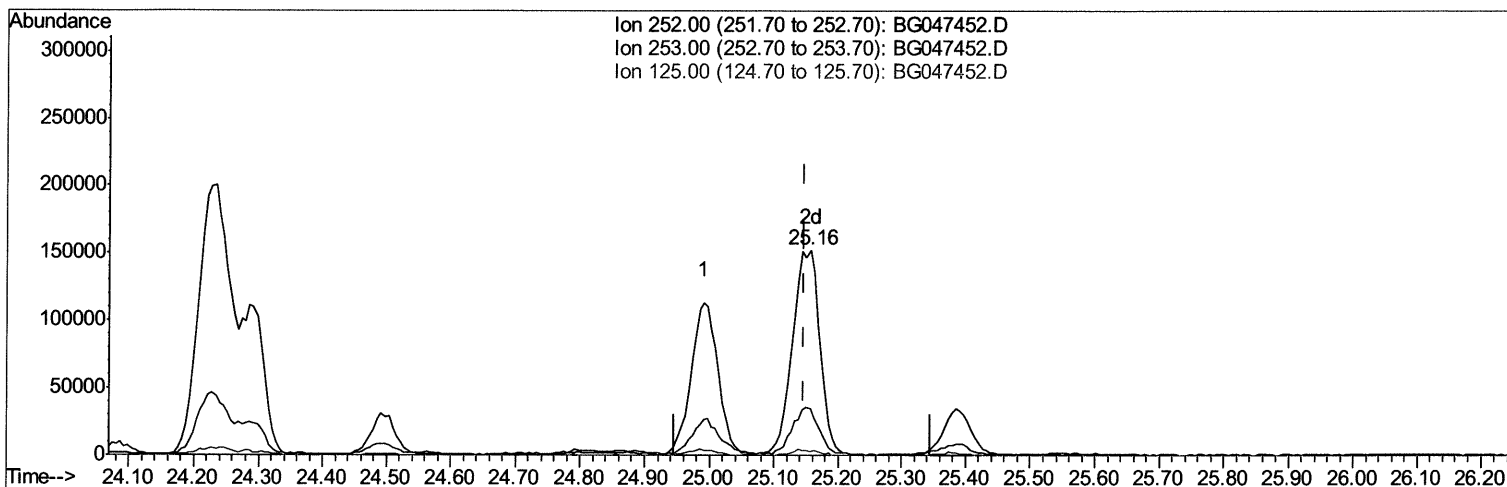
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(91) Benzo(a)pyrene (C)

25.156min (+0.009) 35.36ng/ul m 11/25/2020

response 445508

Ion	Exp%	Act%
252.00	100	100
253.00	23.20	22.93
125.00	3.90	2.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

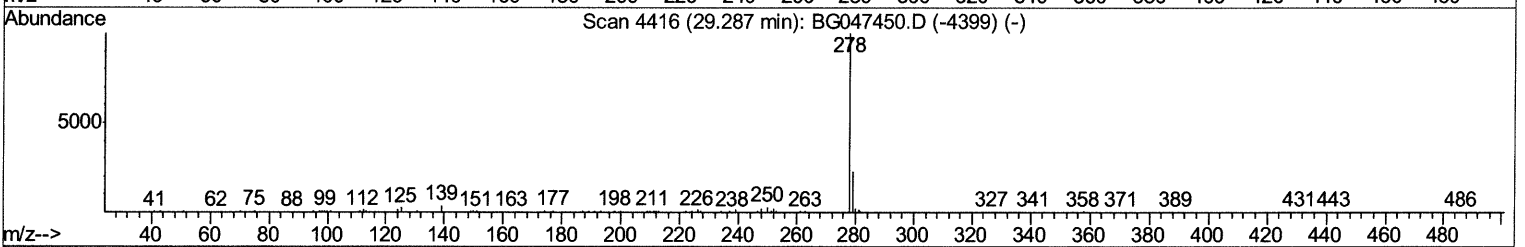
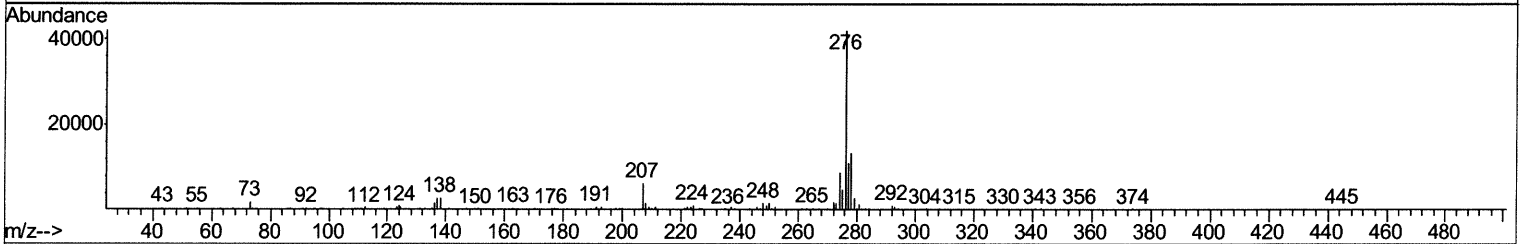
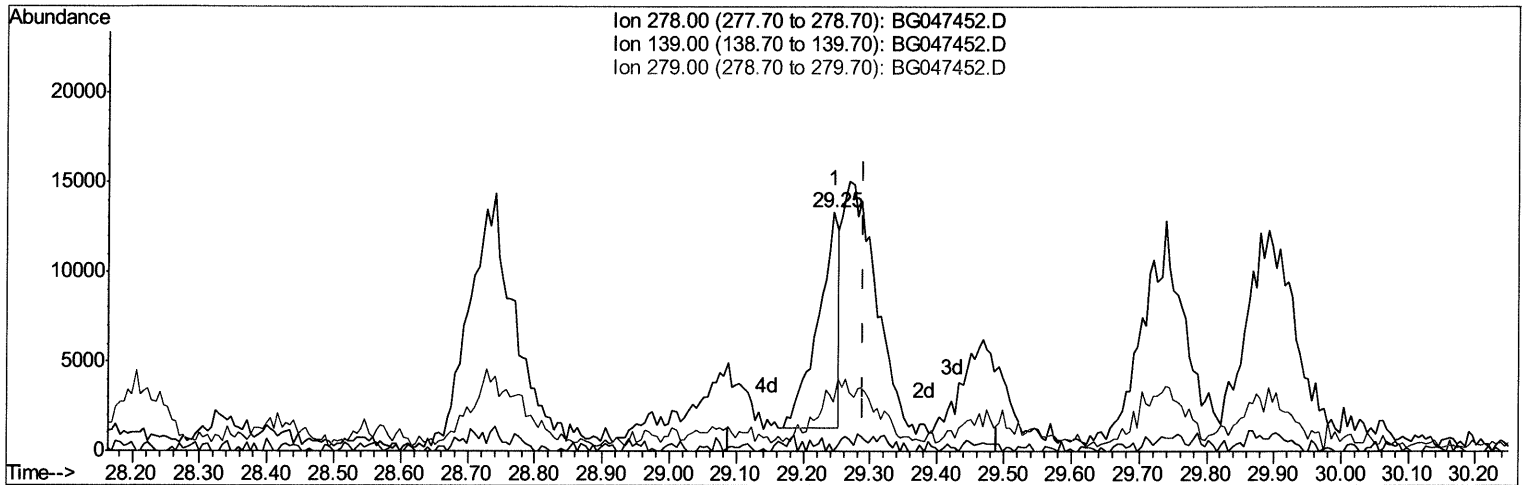
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 25 01:15:04 2020
 Response via : Initial Calibration



TIC: BG047452.D

(93) Dibenzo(a,h)anthracene

29.245min (-0.044) 2.08ng/ul

response 26120

Ion	Exp%	Act%
278.00	100	100
139.00	5.80	0.00#
279.00	22.70	20.54
0.00	0.00	0.00

Quantitation Report (Qedit)

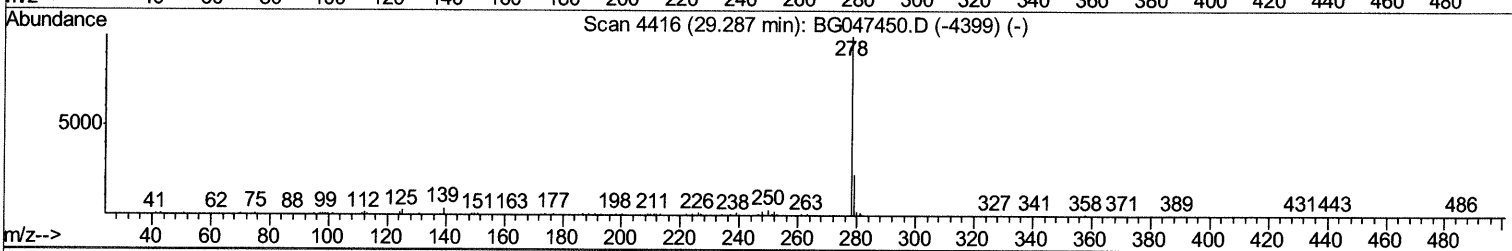
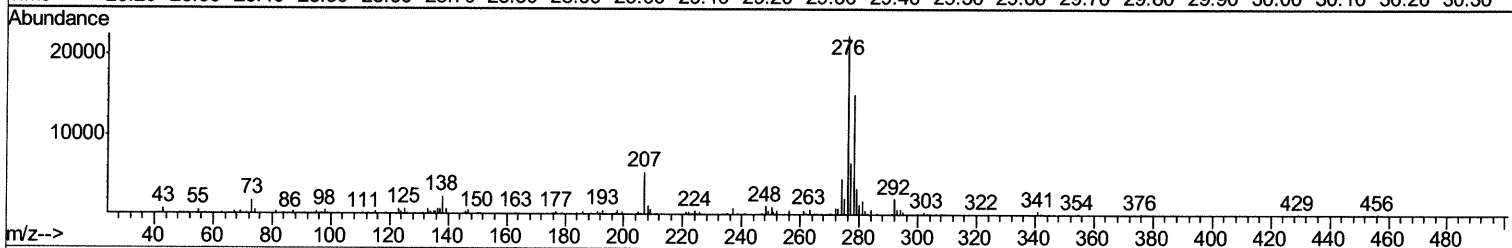
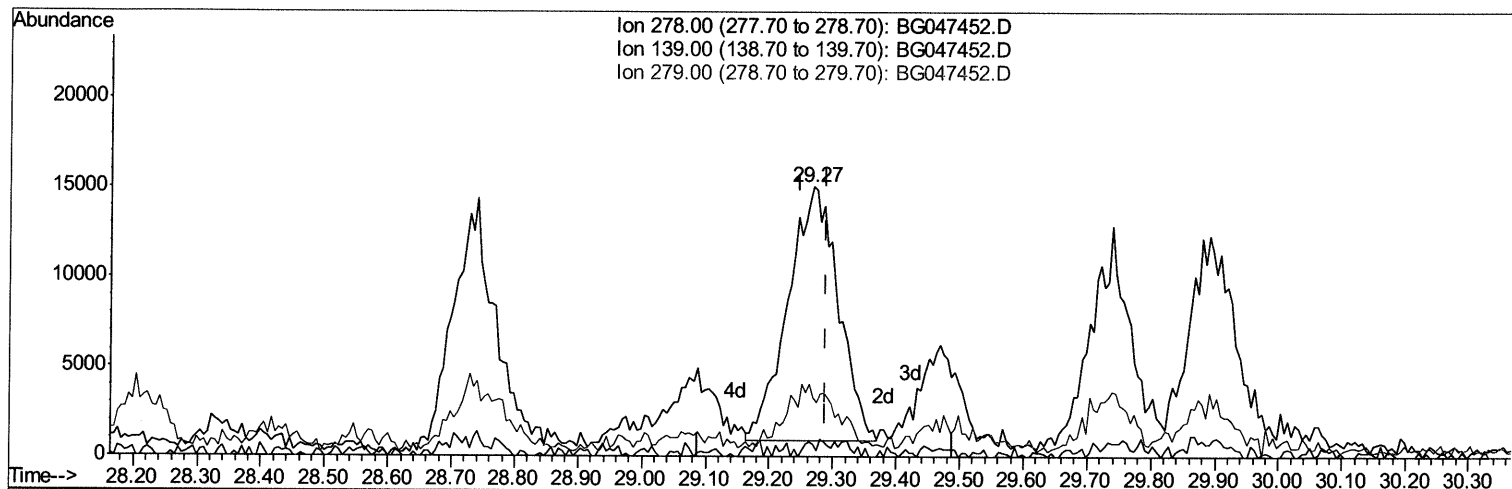
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B90

Manual Integrations
APPROVED

mohammad
11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:41:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 25 01:15:04 2020
Response via : Initial Calibration



TIC: BG047452.D

(93) Dibenzo(a,h)anthracene

29.269min (-0.020) 6.26ng/ul m

11/25/2024

response 78596

Ion	Exp%	Act%
278.00	100	100
139.00	5.80	4.61#
279.00	22.70	21.90
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047452.D
 Acq On : 24 Nov 2020 18:48
 Operator : CG/JU
 Sample : L4751-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B90

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:48:28 PM

Quant Time: Nov 25 01:46:24 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 25 01:15:04 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	35373	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	130235	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.88	164	96405	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	212312m>	20.00	ng/ul>	0.00 11/25/2020
78) Chrysene-d12	21.90	240	190575	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	200168	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1875	1.93	ng/uL	0.00
5) Phenol-d5	7.40	99	50123	14.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.58	67	26937	13.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	39126	16.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	36597	13.42	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	19848	18.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	20972	17.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	46957	17.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	36494	13.43	ng/ul	0.00
44) Dimethylphthalate-d6	14.27	166	140570	16.98	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	169018	17.67	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	14623	11.58	ng/ul	0.00
58) Fluorene-d10	15.87	176	130541	17.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	9359m>	7.74	ng/ul>	0.00 11/25/2020
71) Anthracene-d10	17.72	188	188395	17.89	ng/ul	0.00
79) Pyrene-d10	19.99	212	211059	19.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	214797	18.64	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.44	94	8445	2.485	ng/ul#	88
45) Dimethylphthalate	14.32	163	31616	3.745	ng/ul#	97
50) Acenaphthene	14.94	153	8876	1.423	ng/ul#	82
59) Fluorene	15.92	166	12385	1.605	ng/ul	87
70) Phenanthrene	17.66	178	443813m>	38.709	ng/ul>	11/25/2020
72) Anthracene	17.75	178	49247	4.265	ng/ul	97
75) Carbazole	18.01	167	41363m>	4.441	ng/ul>	11/25/2020
77) Fluoranthene	19.66	202	1079964	74.585	ng/ul	99
80) Pyrene	20.01	202	875328	64.842	ng/ul	99
83) Benzo(a)anthracene	21.88	228	487398	35.944	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.77	149	11916	1.803	ng/ul#	92
85) Chrysene	21.95	228	544650	42.208	ng/ul	96
88) Benzo(b)fluoranthene	24.23	252	680923	48.180	ng/ul#	98
89) Benzo(k)fluoranthene	24.29	252	256458m}	18.414	ng/ul}	11/25/2020
91) Benzo(a)pyrene	25.16	252	445508m}	35.361	ng/ul}	
92) Indeno(1,2,3-cd)pyrene	29.22	276	274985	17.943	ng/ul#	90
93) Dibenzo(a,h)anthracene	29.27	278	78596m>	6.255	ng/ul>	11/25/2020
94) Benzo(a,h,i)perylene	30.44	276	213527	16.886	ng/ul#	94

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