

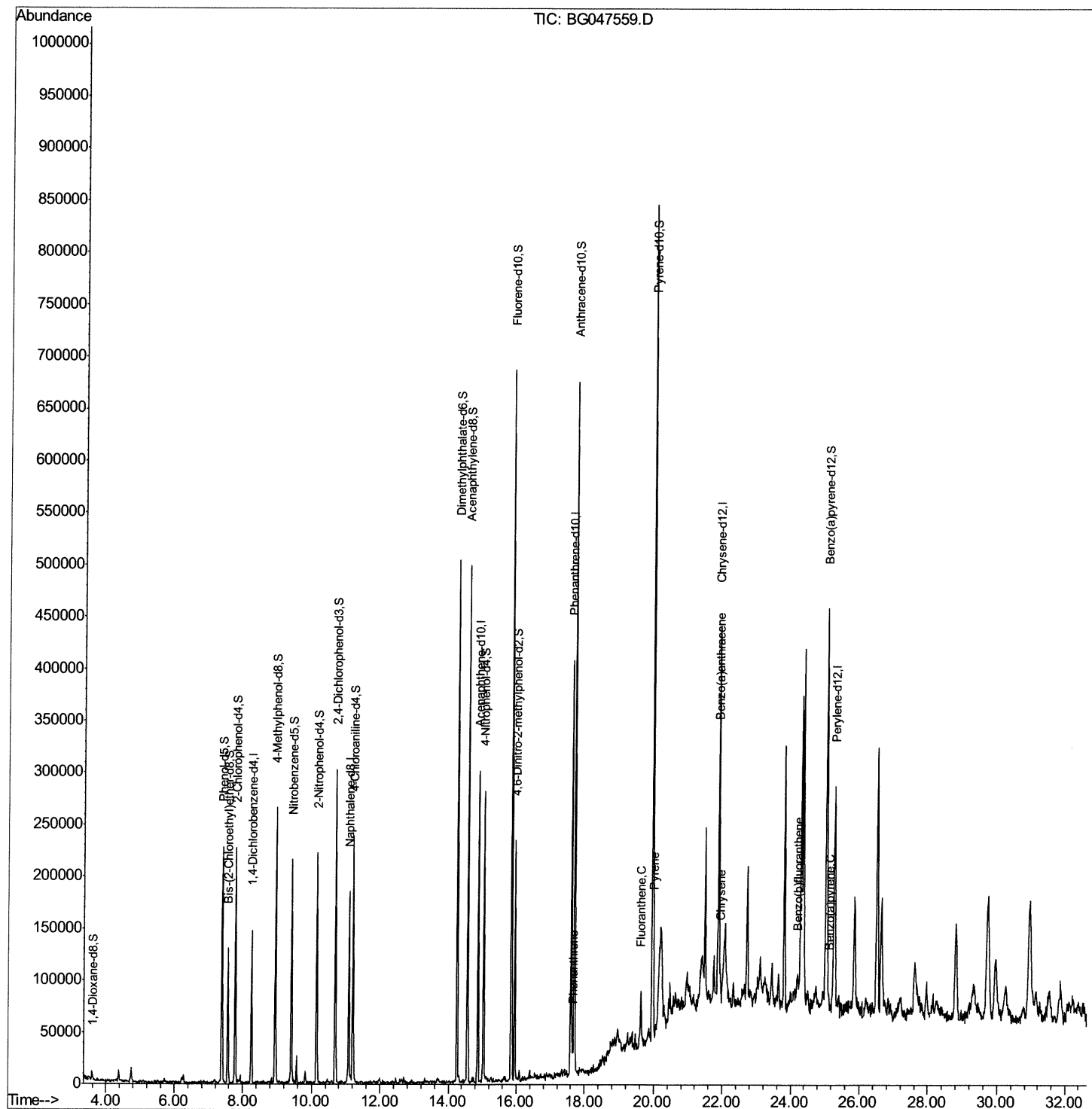
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:19:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



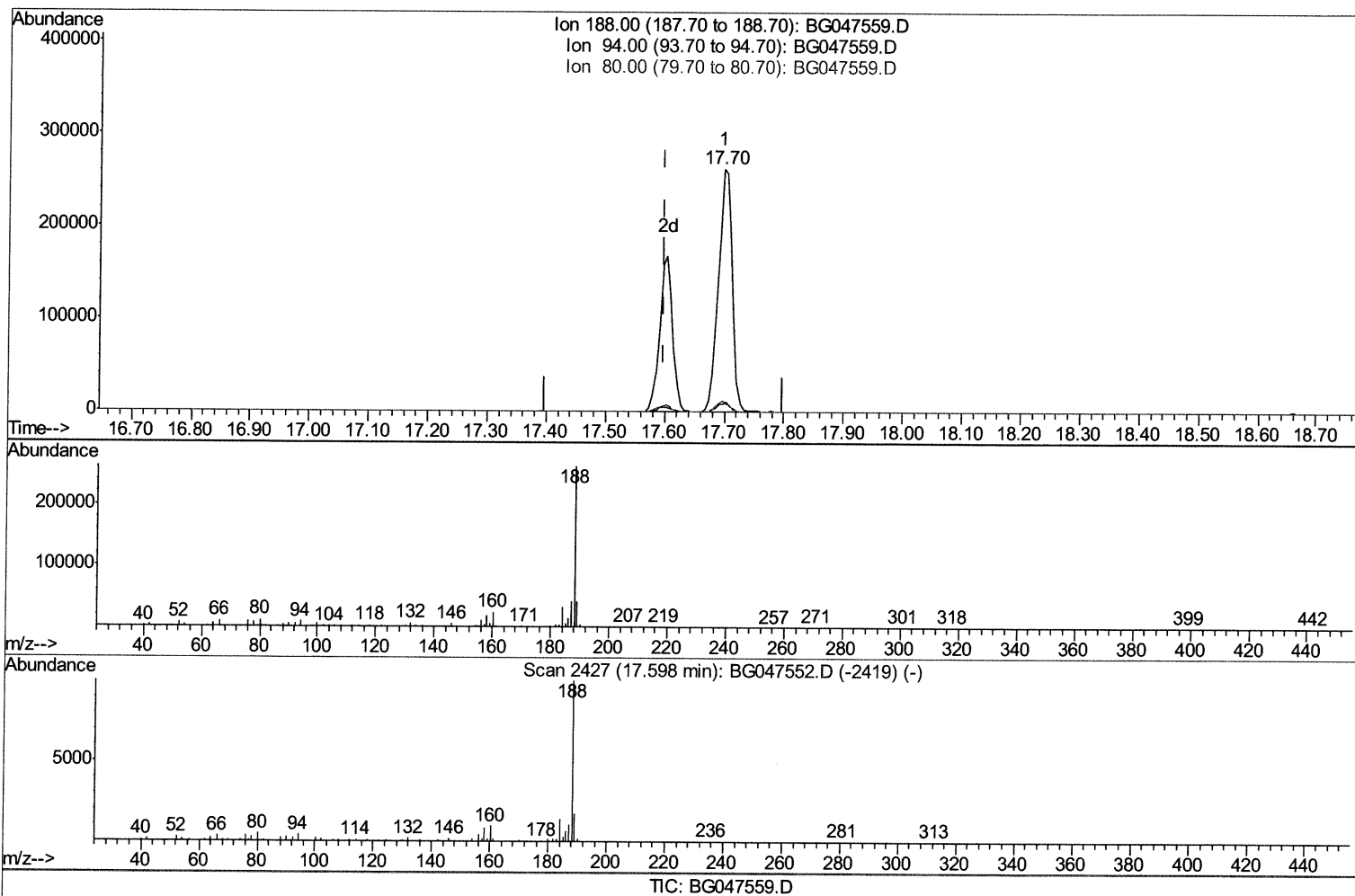
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
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ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:12:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

17.697min (+0.099) 20.00ng/ul

response 420863

Ion	Exp%	Act%
188.00	100	100
94.00	3.50	3.36
80.00	4.60	4.42
0.00	0.00	0.00

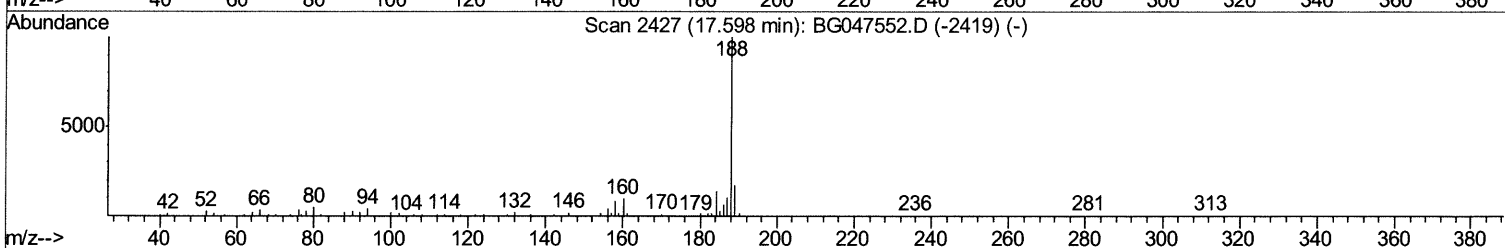
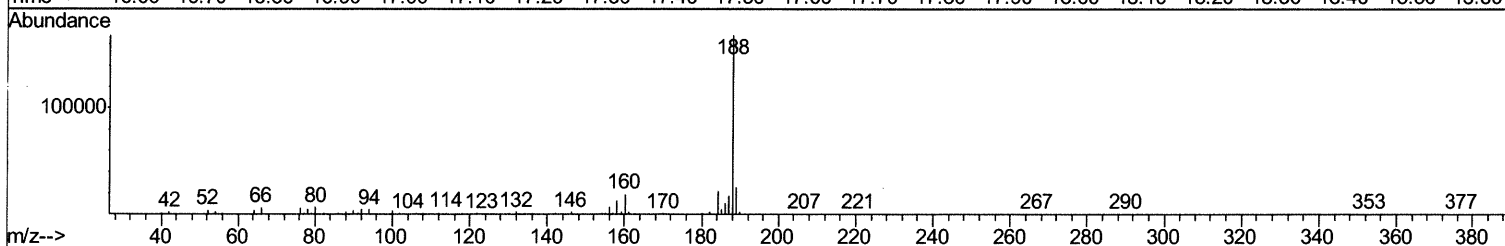
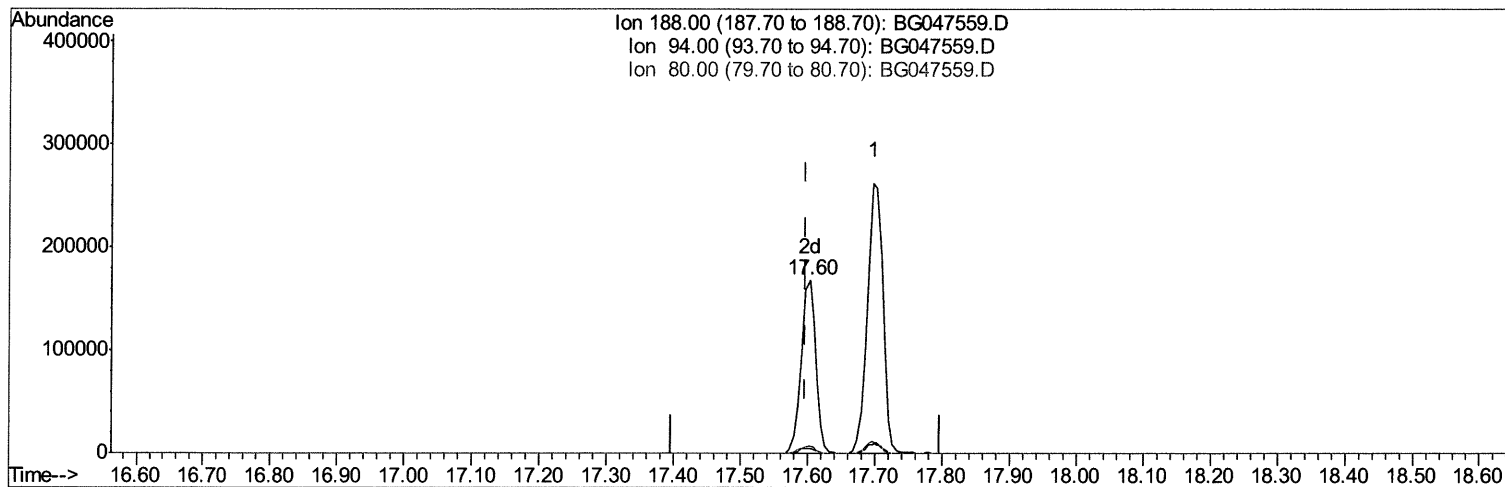
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:12:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



TIC: BG047559.D

(62) Phenanthrene-d10 (I)

17.603min (+0.005) 20.00ng/ul m 12/07/2024

response 252429

Ion	Exp%	Act%
188.00	100	100
94.00	3.50	2.79#
80.00	4.60	4.12
0.00	0.00	0.00

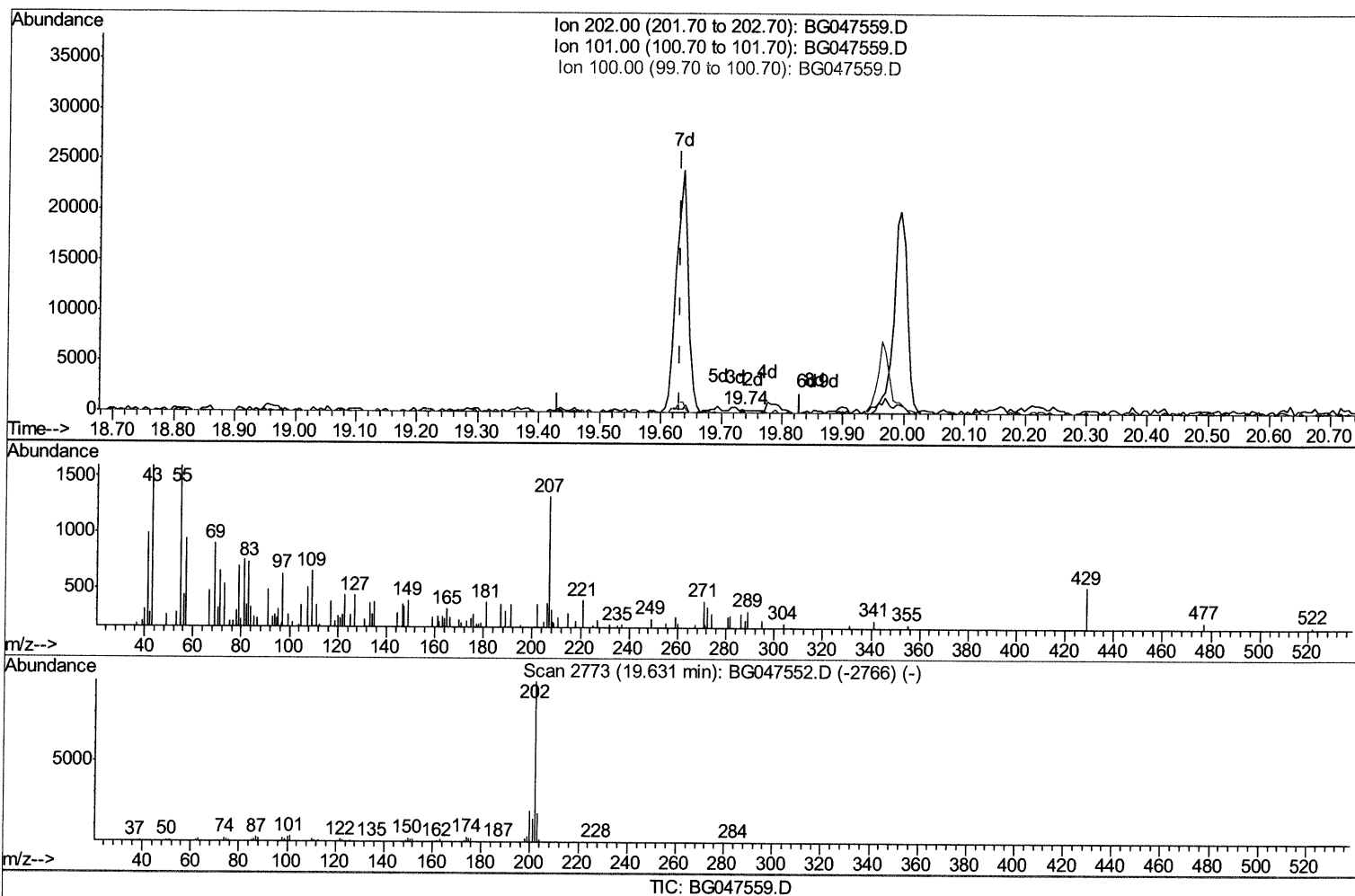
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:14:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



(77) Fluoranthene (C)

19.735min (+0.105) 0.00ng/ul

response 68

Ion	Exp%	Act%
202.00	100	100
101.00	3.50	51.81#
100.00	3.20	0.00#
0.00	0.00	0.00

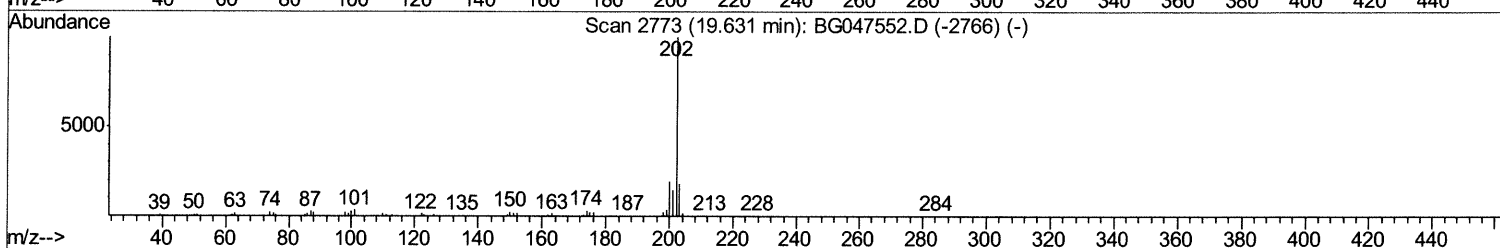
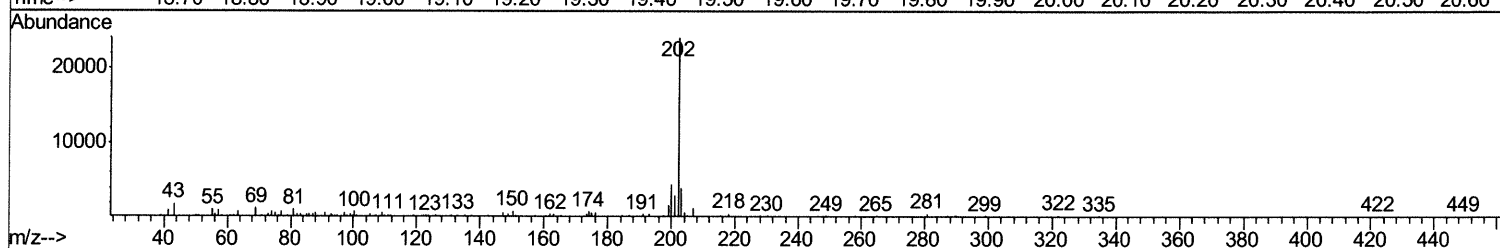
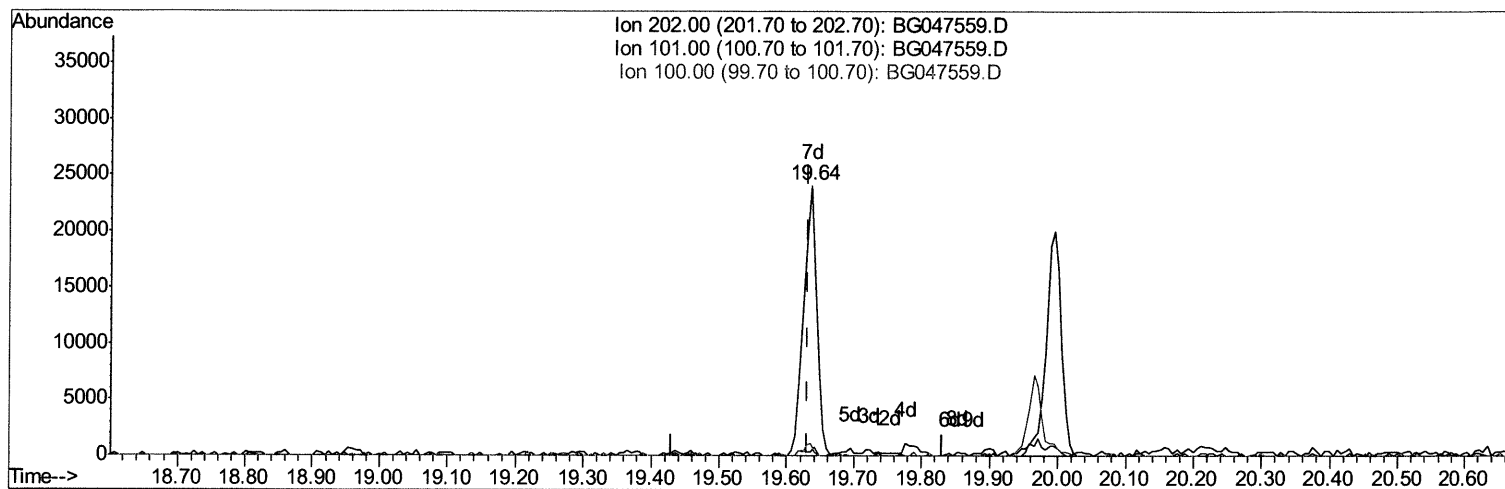
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:14:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
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Response via : Initial Calibration



TIC: BG047559.D

(77) Fluoranthene (C)

19.636min (+0.005) 1.92ng/ul m 12/07/2020

response 33003

Ion	Exp%	Act%
202.00	100	100
101.00	3.50	1.22#
100.00	3.20	3.15
0.00	0.00	0.00

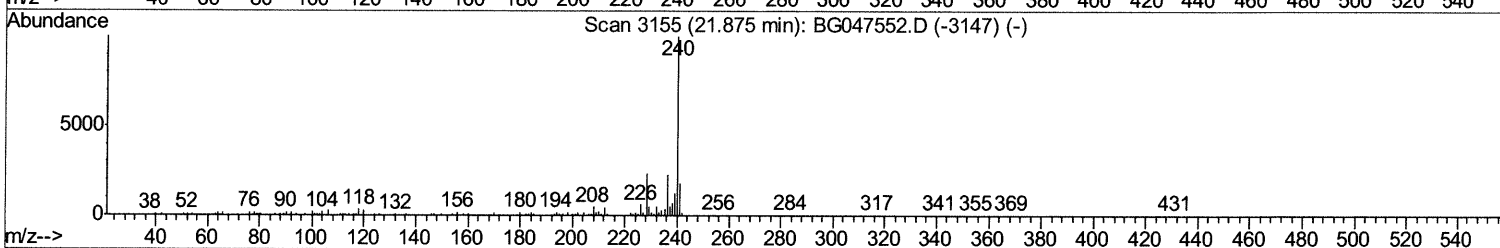
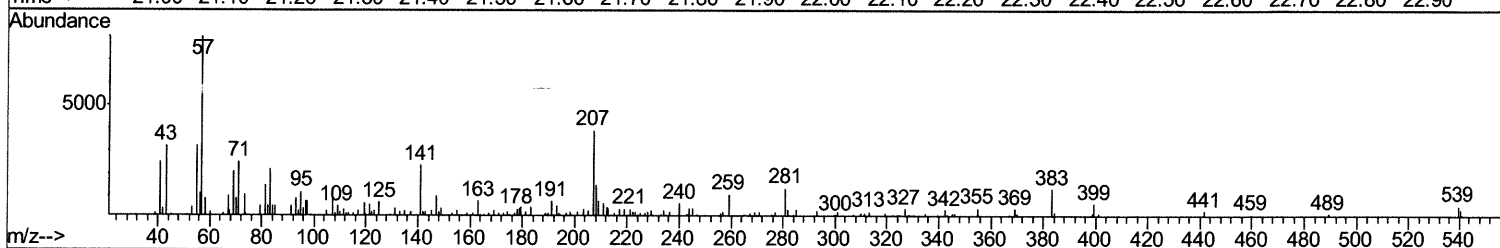
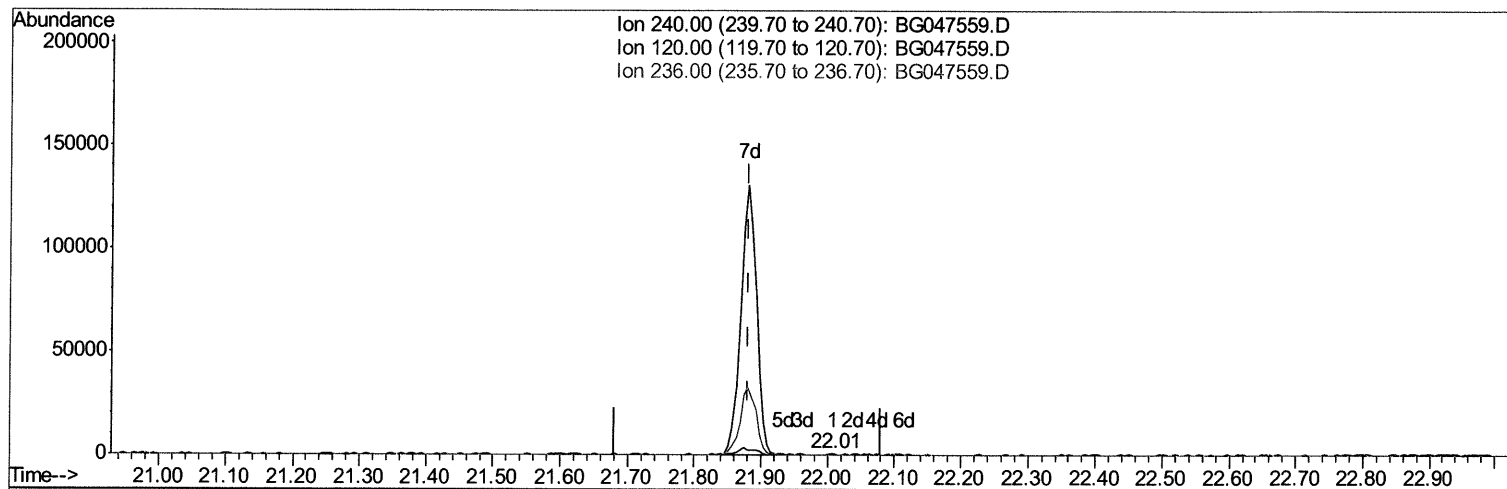
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:14:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



TIC: BG047559.D

(78) Chrysene-d12 (I)

22.009min (+0.128) 20.00ng/ul

response 491

Ion	Exp%	Act%
240.00	100	100
120.00	2.80	32.27#
236.00	25.50	45.64#
0.00	0.00	0.00

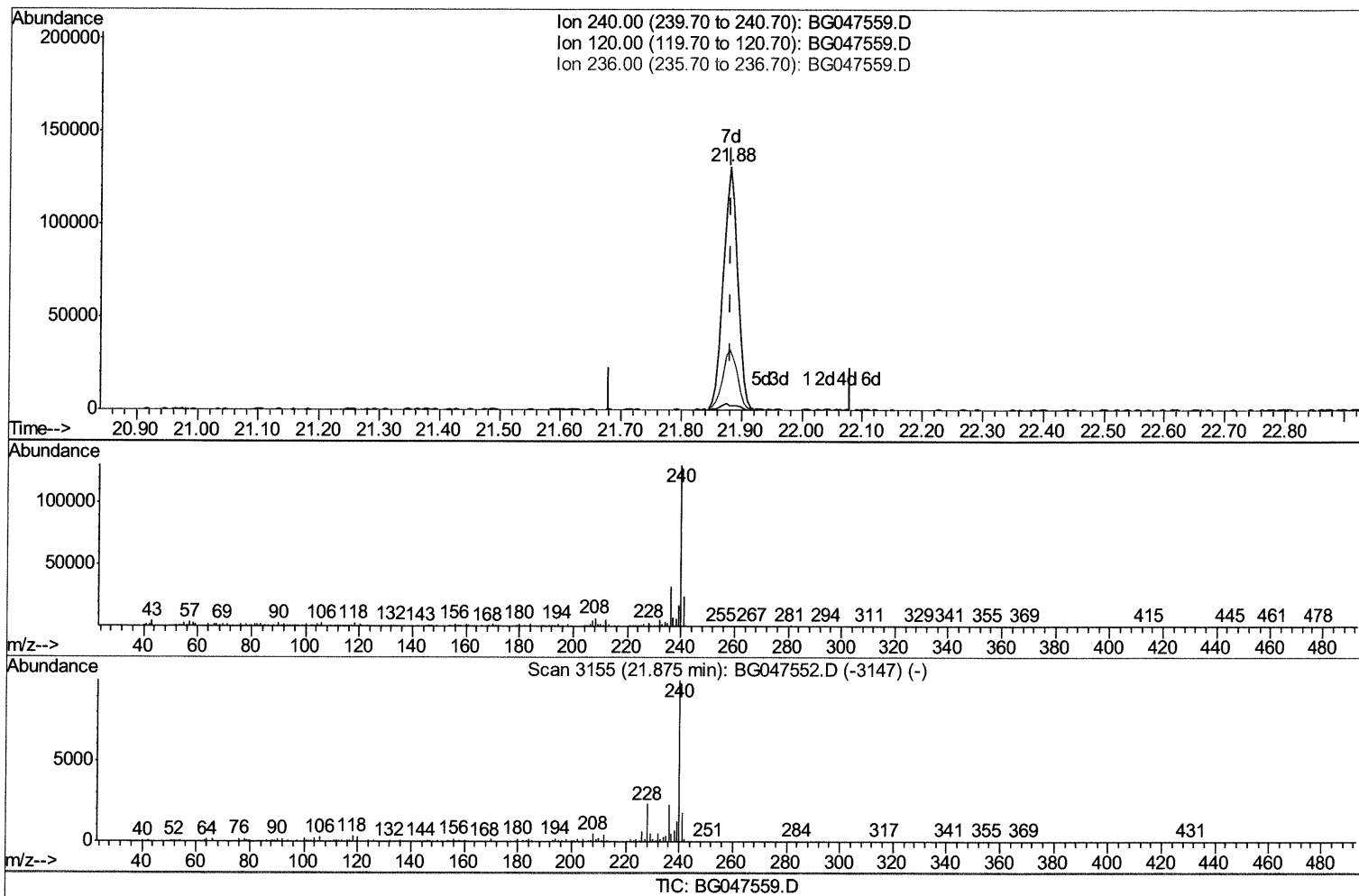
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:14:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



(78) Chrysene-d12 (I)

21.880min (-0.001) 20.00ng/ul m 12/07/2024

response 214947

Ion	Exp%	Act%
240.00	100	100
120.00	2.80	1.69#
236.00	25.50	25.00
0.00	0.00	0.00

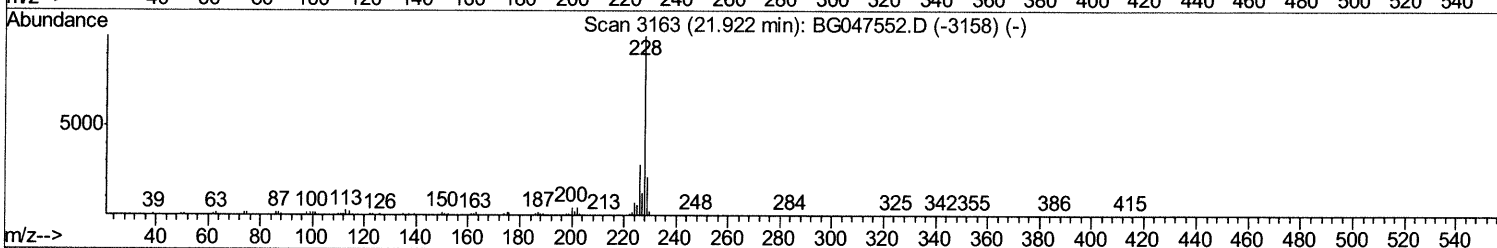
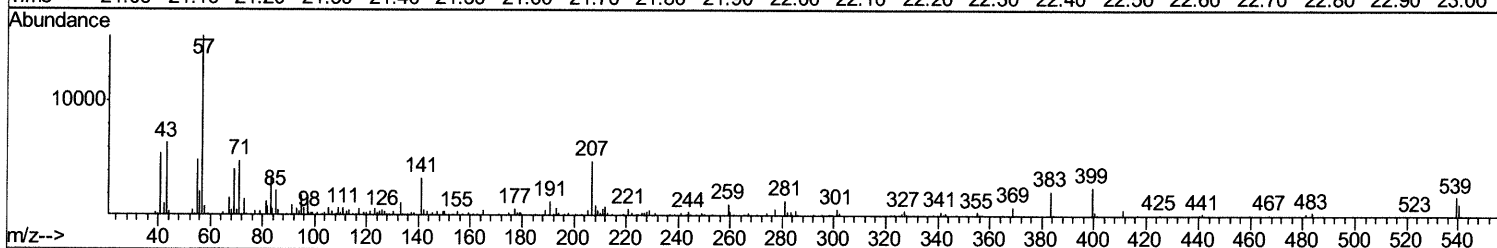
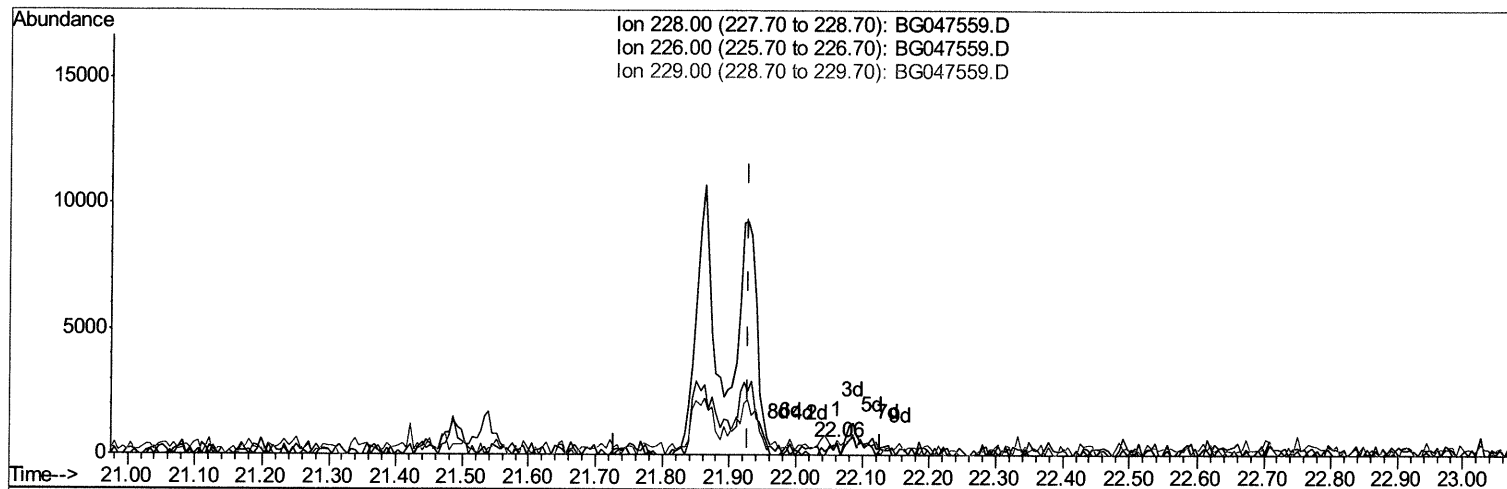
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



TIC: BG047559.D

(85) Chrysene

22.062min (+0.134) 0.03ng/ul

response 378

Ion	Exp%	Act%
228.00	100	100
226.00	29.70	83.33#
229.00	19.40	116.26#
0.00	0.00	0.00

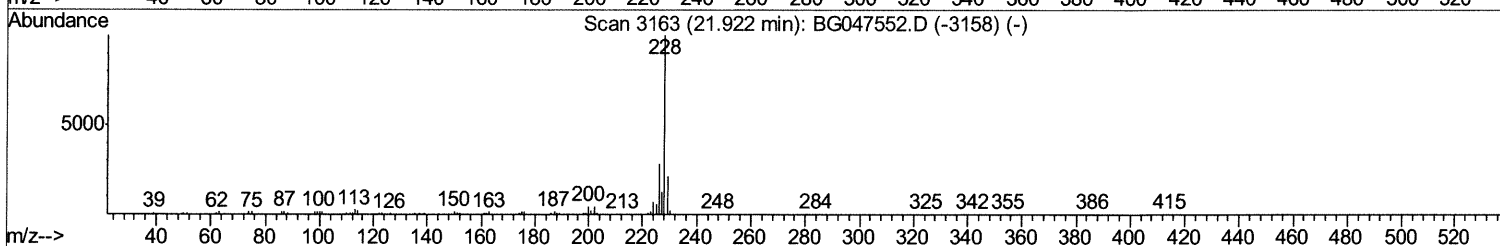
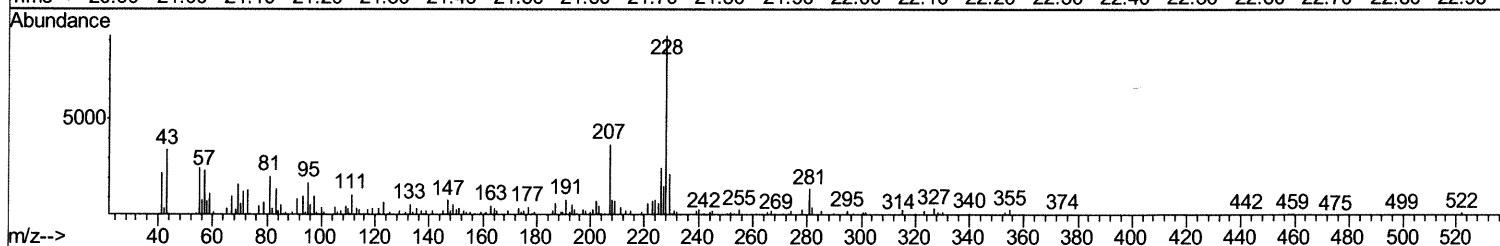
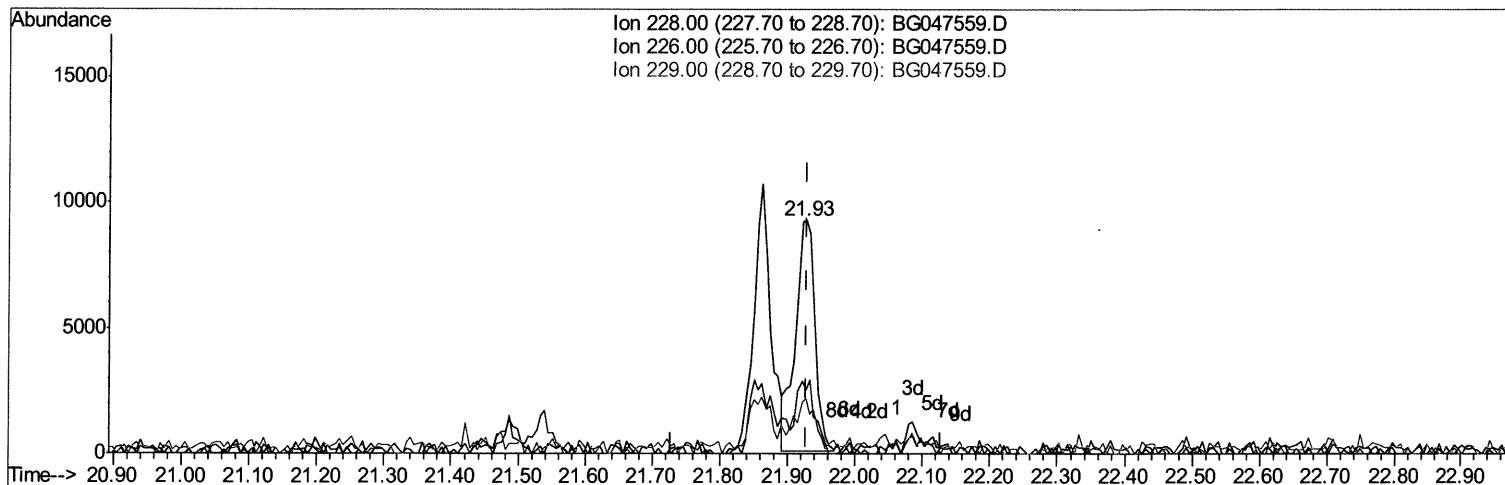
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



TIC: BG047559.D

(85) Chrysene

21.927min (-0.001) 1.25ng/ul m 12/07/2024

response 18257

Ion	Exp%	Act%
228.00	100	100
226.00	29.70	27.45
229.00	19.40	23.64#
0.00	0.00	0.00

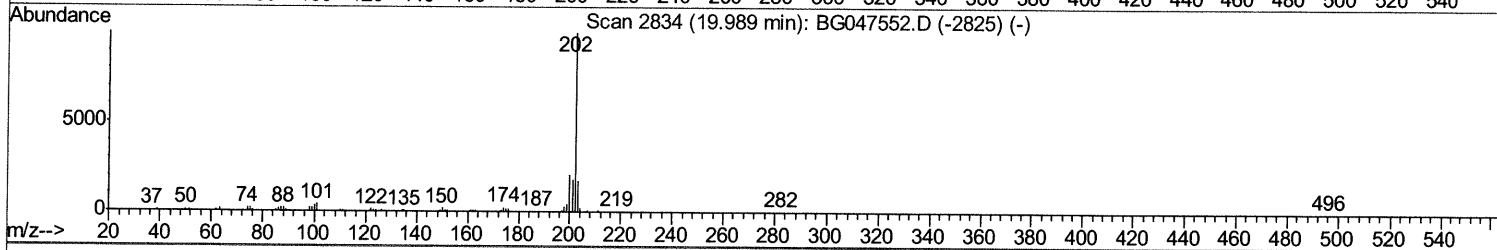
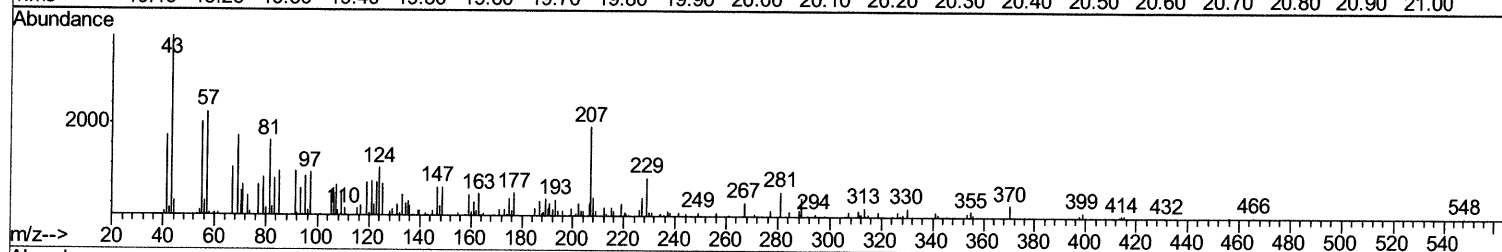
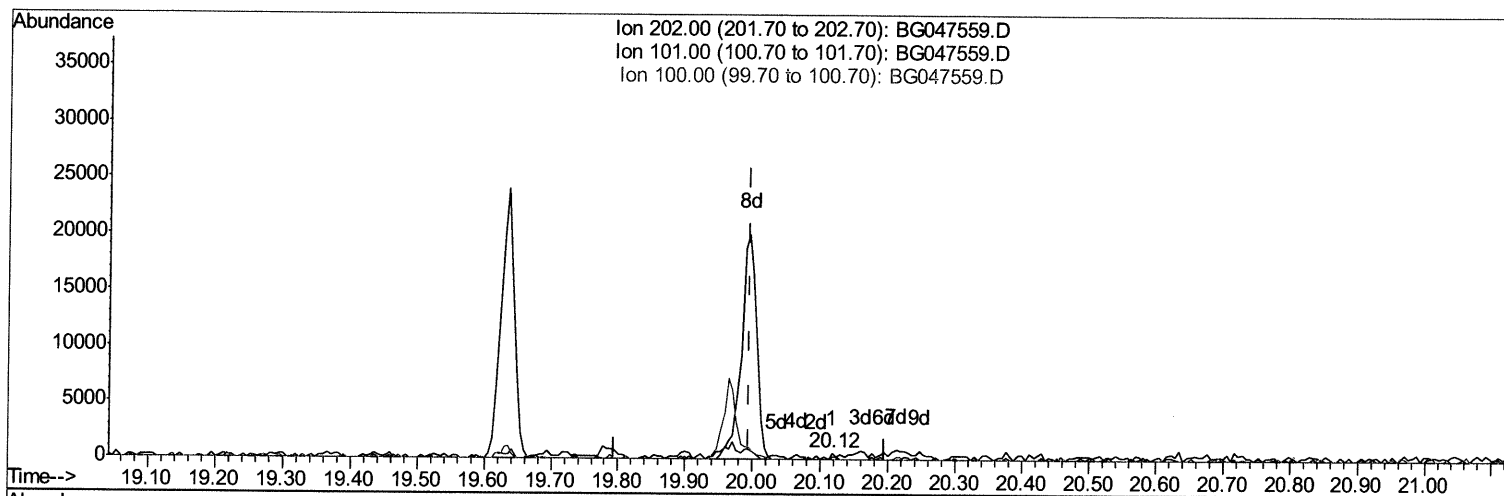
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



TIC: BG047559.D

(80) Pyrene

20.117min (+0.122) 0.02ng/ui

response 302

Ion	Exp%	Act%
202.00	100	100
101.00	4.70	30.45#
100.00	2.80	0.00#
0.00	0.00	0.00

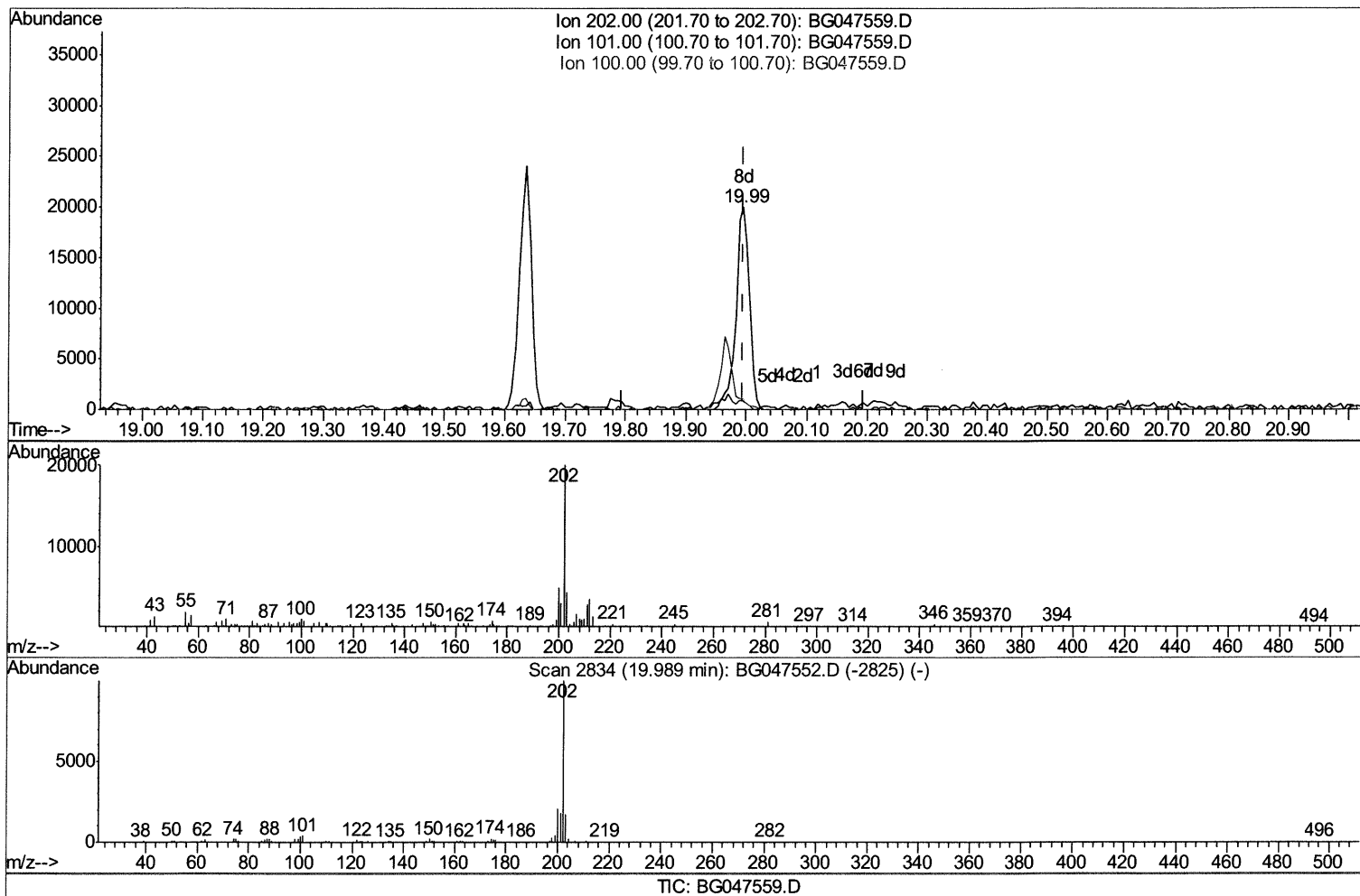
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Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



(80) Pyrene

19.994min (-0.001) 2.08ng/ul m 12/01/20 JU

response 31673

Ion	Exp%	Act%
202.00	100	100
101.00	4.70	4.24
100.00	2.80	5.37#
0.00	0.00	0.00

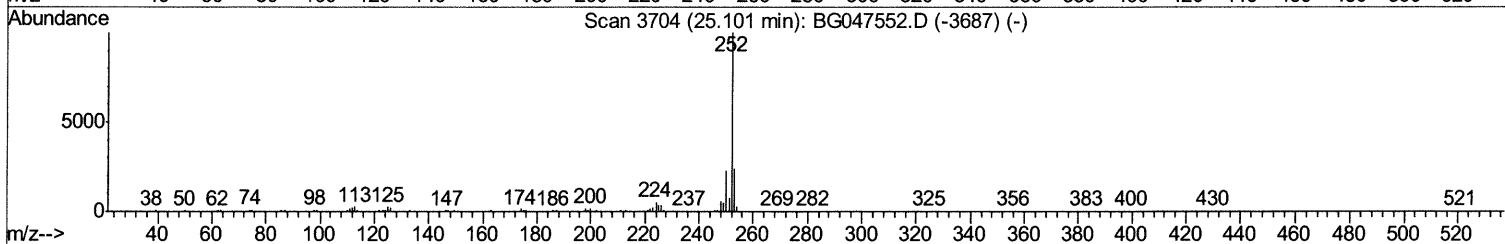
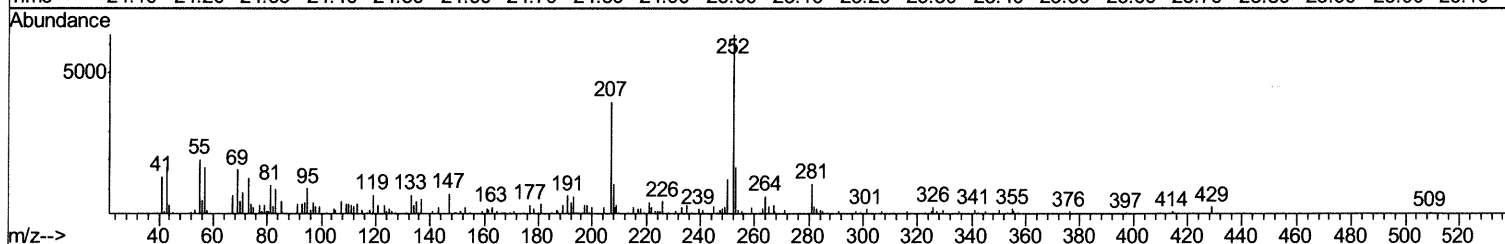
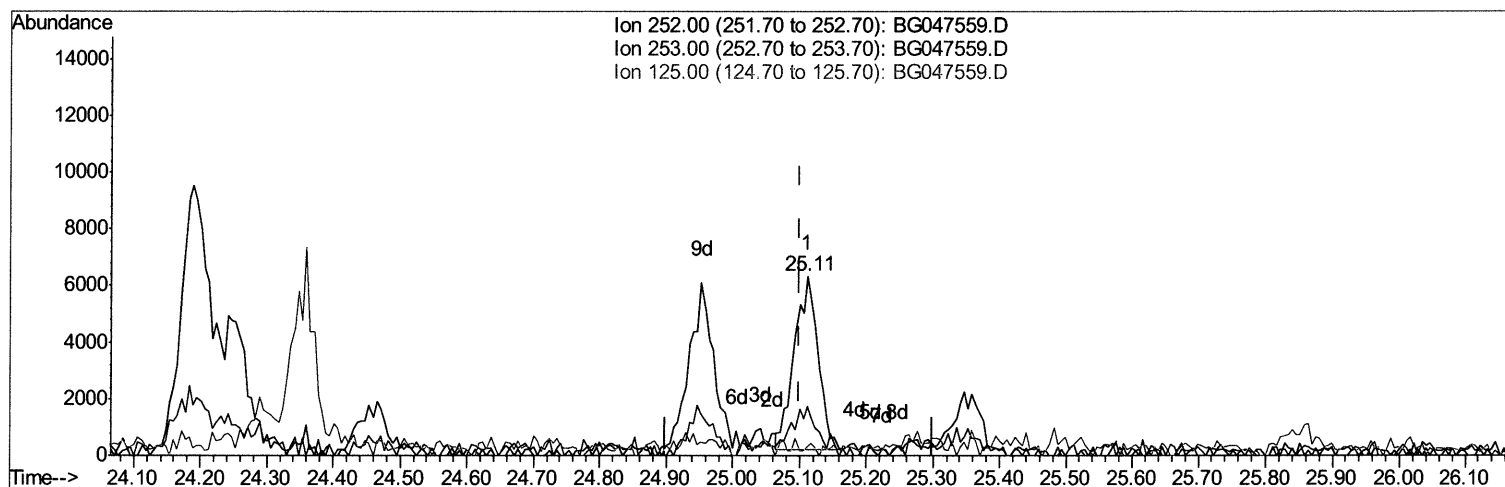
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



TIC: BG047559.D

(91) Benzo(a)pyrene (C)

25.112min (+0.011) 1.03ng/ul

response 15040

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	27.70#
125.00	2.90	5.15#
0.00	0.00	0.00

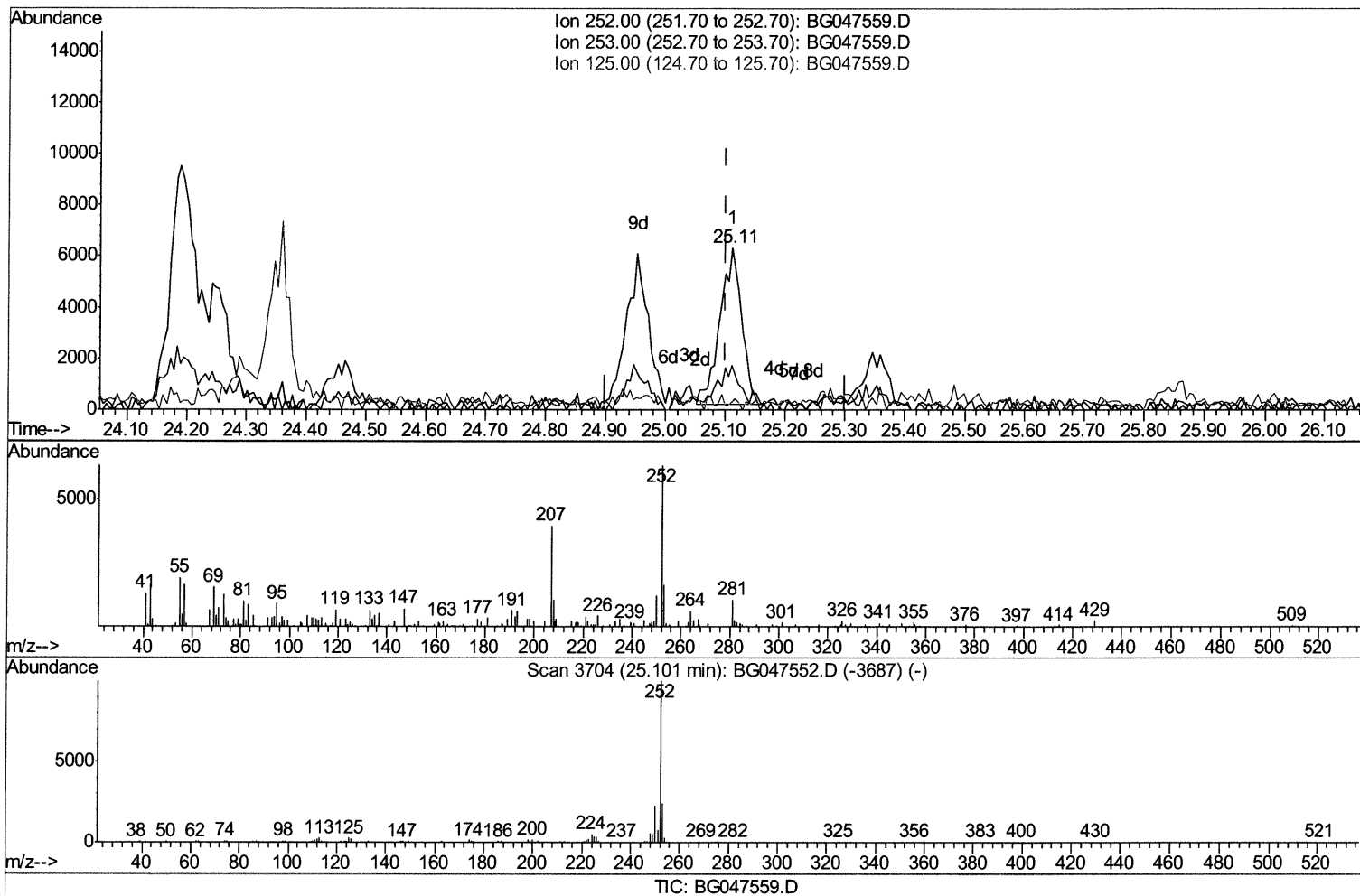
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
Data File : BG047559.D
Acq On : 4 Dec 2020 5:32
Operator : CG/JU
Sample : L4855-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB7Y9

Manual Integrations
APPROVED

mohammad
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Quant Time: Dec 04 06:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
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QLast Update : Fri Dec 04 02:52:14 2020
Response via : Initial Calibration



(91) Benzo(a)pyrene (C)

25.112min (+0.011) 1.06ng/ul m (267/207u)

response 15451

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	27.70#
125.00	2.90	5.15#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\
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 Acq On : 4 Dec 2020 5:32
 Operator : CG/JU
 Sample : L4855-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

mohammad
 12/4/2020 4:31:18 PM

Quant Time: Dec 04 06:19:58 2020

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

Quant Title : SVOA CALIBRATION

QLast Update : Fri Dec 04 02:52:14 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	38016	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	141591	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.86	164	105003	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.60	188	252429m	20.00	ng/ul	0.00
78) Chrysene-d12	21.88	240	214947m	20.00	ng/ul	0.00
86) Perylene-d12	25.28	264	231375	20.00	ng/ul	0.01

12/07/2020 JU

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	3771	3.61	ng/uL	0.02
5) Phenol-d5	7.39	99	107291	28.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	55800	25.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.78	132	85350	33.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	82703	28.23	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	39154	33.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	48497	38.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	98396	33.68	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	101915	34.49	ng/ul	0.00
44) Dimethylphthalate-d6	14.26	166	290230	32.20	ng/ul	0.00
47) Acenaphthylene-d8	14.57	160	356015	34.17	ng/ul	0.00
52) 4-Nitrophenol-d4	15.03	143	46346	33.70	ng/ul	0.00
58) Fluorene-d10	15.85	176	276088	33.44	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.95	200	48937	34.06	ng/ul	0.00
71) Anthracene-d10	17.70	188	421084	33.63	ng/ul	0.00
79) Pyrene-d10	19.96	212	439705	35.15	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.04	264	456611	34.29	ng/ul	0.02

Target Compounds

					Ovalue	
70) Phenanthrene	17.64	178	14926	1.095	ng/ul	95
77) Fluoranthene	19.64	202	33003m	1.917	ng/ul	
80) Pyrene	19.99	202	31673m	2.080	ng/ul	
83) Benzo(a)anthracene	21.86	228	19012	1.243	ng/ul	97
85) Chrysene	21.93	228	18257m	1.254	ng/ul	>
88) Benzo(b)fluoranthene	24.19	252	26442	1.619	ng/ul	93
91) Benzo(a)pyrene	25.11	252	15451m	1.061	ng/ul	

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