

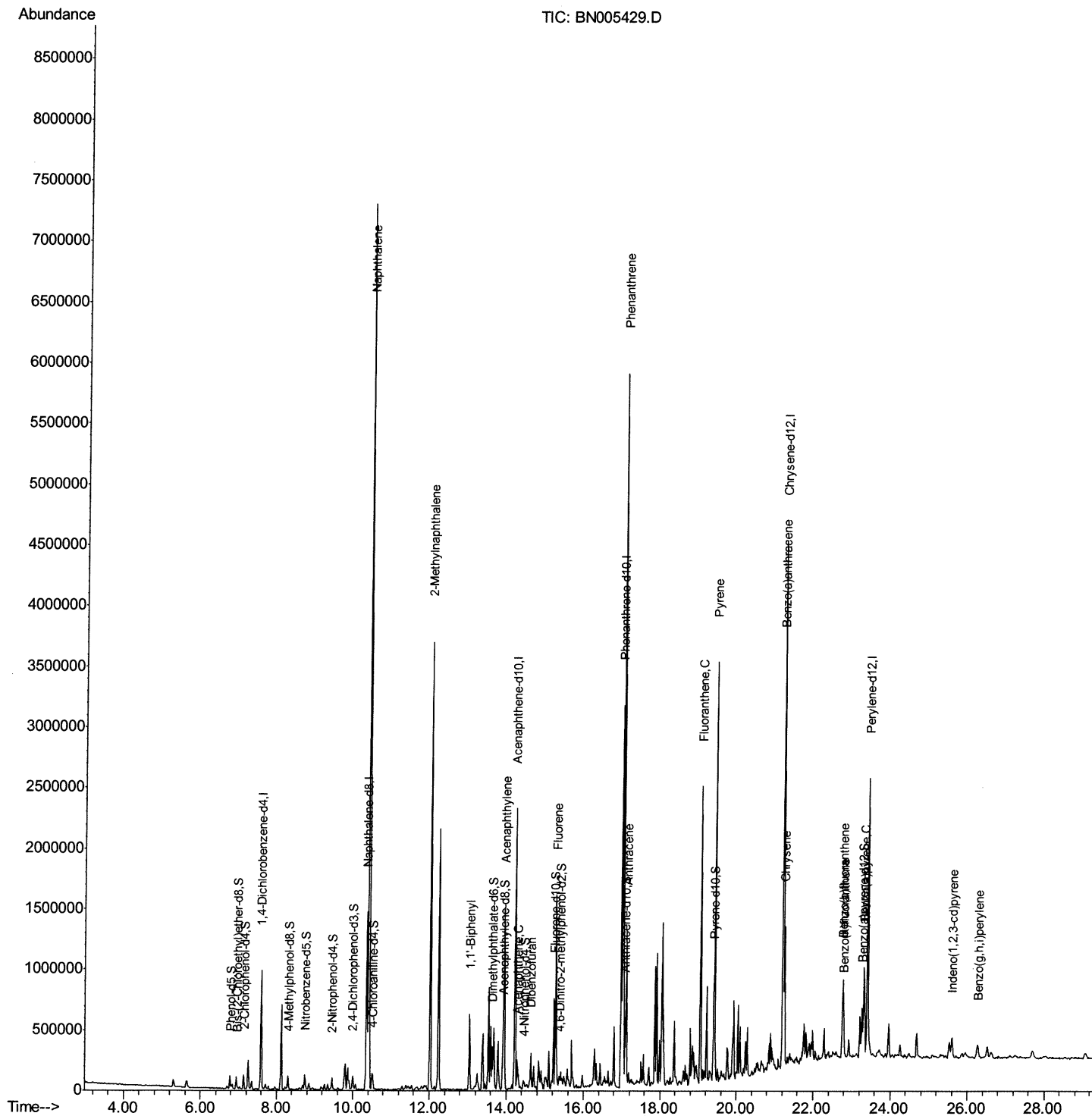
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

Manual Integrations
APPROVED

Sohil
5/3/2019 4:56:33 PM

Quant Time: May 03 04:42:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

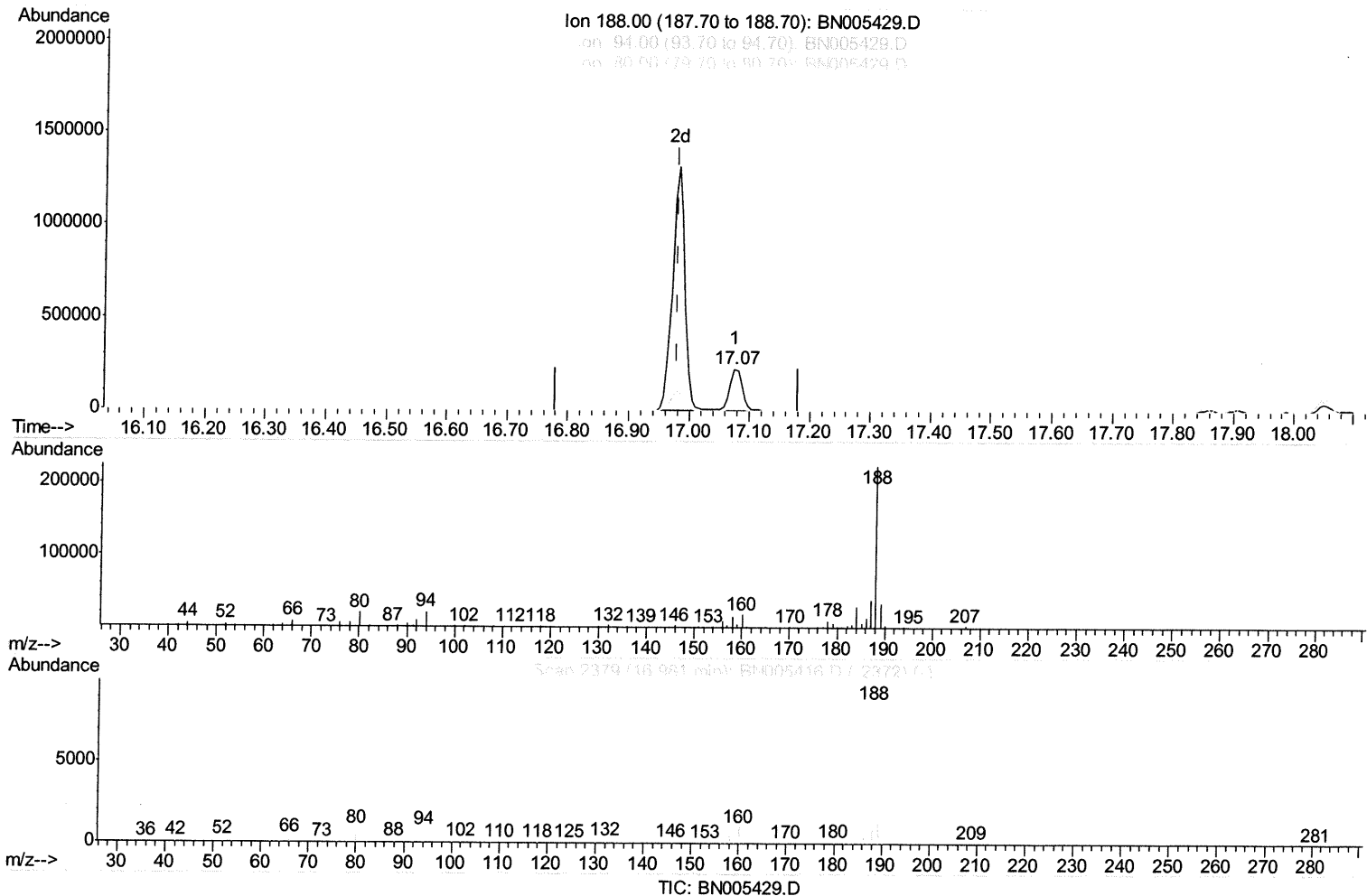
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
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 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
 GAHS3MEDL

Manual Integrations
APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 03:12:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.075min (+0.094) 20.00ng/ul

response 318342

Ion	Exp%	Act%
188.00	100	100
94.00	9.20	9.06
80.00	10.30	8.73
0.00	0.00	0.00

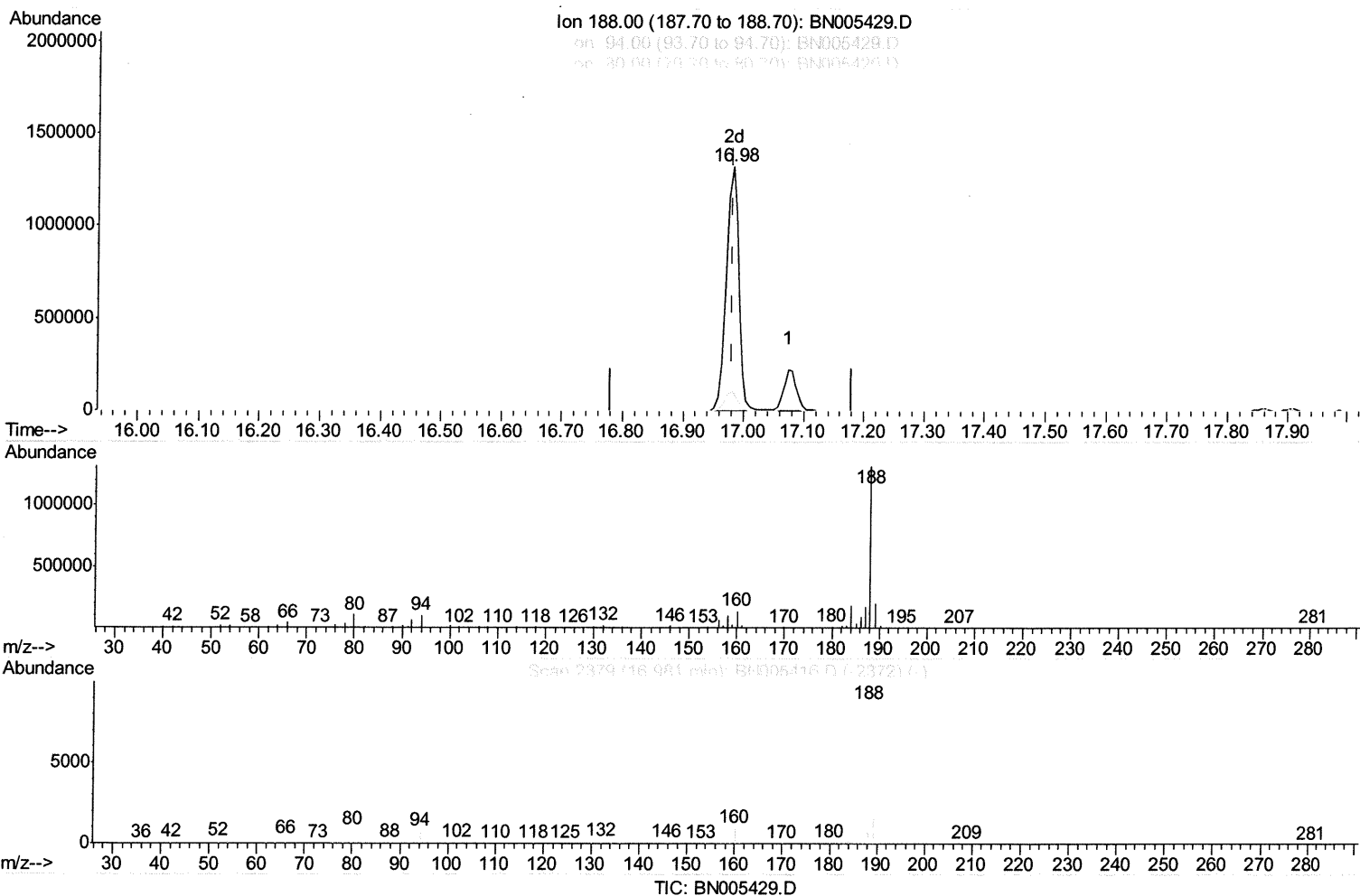
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

Manual Integrations
APPROVED

Sohil
5/3/2019 4:56:33 PM

Quant Time: May 03 03:12:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

16.981min (-0.000) 20.00ng/ul m SJ 05/12/19

response 1886296

Ion	Exp%	Act%
188.00	100	100
94.00	9.20	7.74
80.00	10.30	8.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

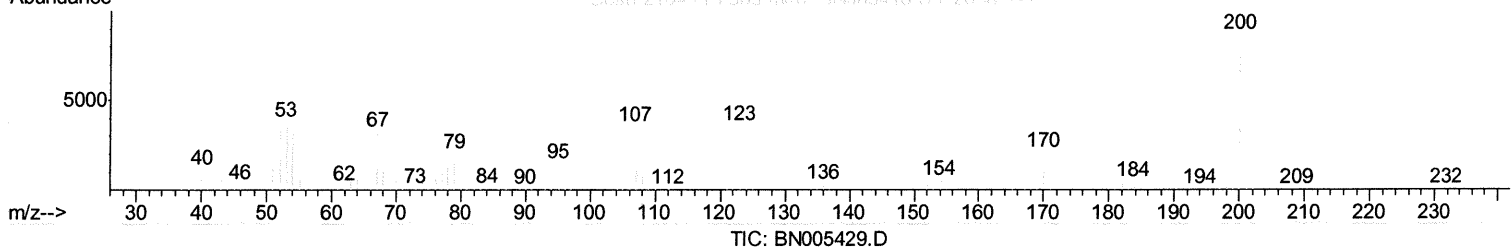
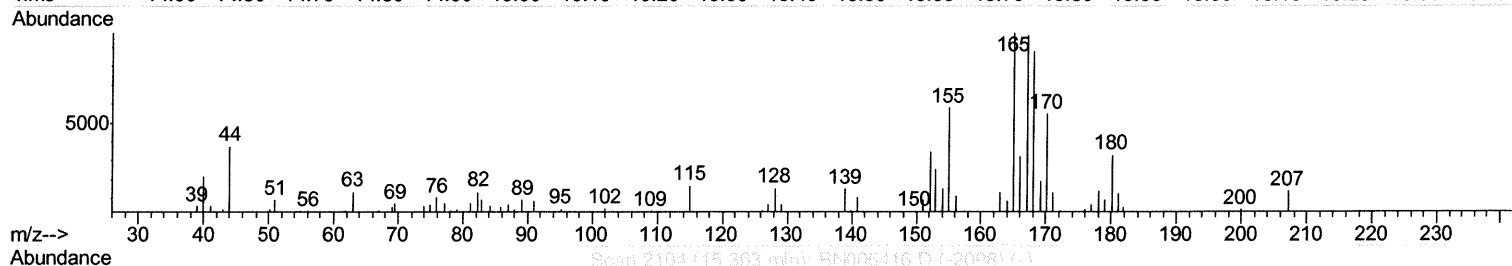
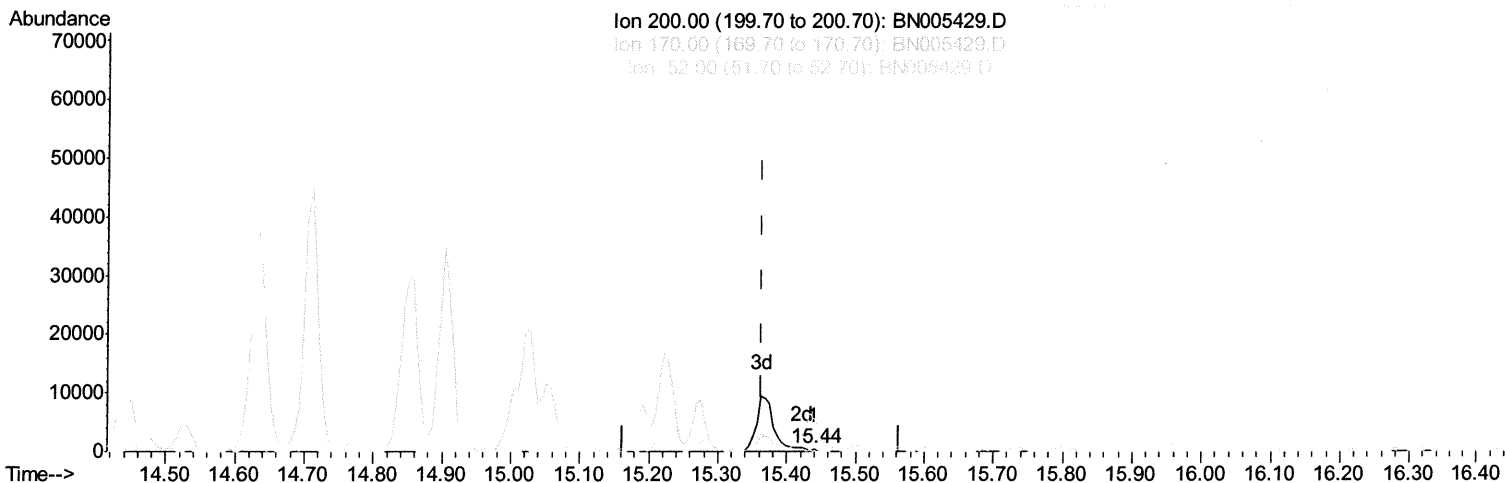
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



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

15.440min (+0.076) 0.02ng/ul

response 148

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	1302.86#
52.00	49.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

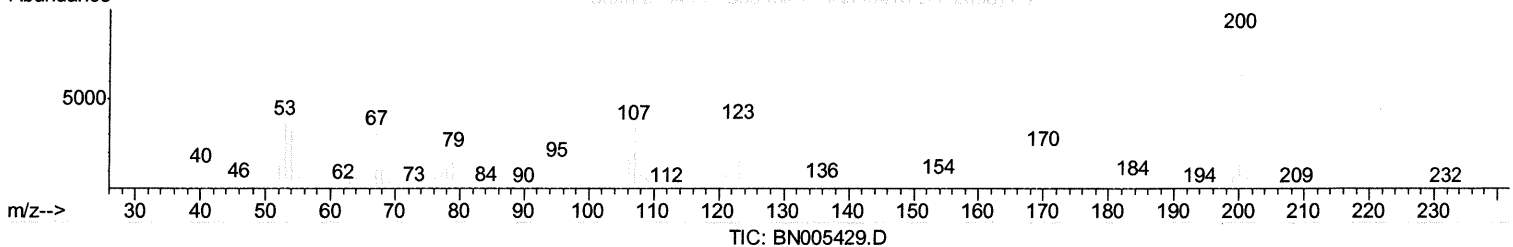
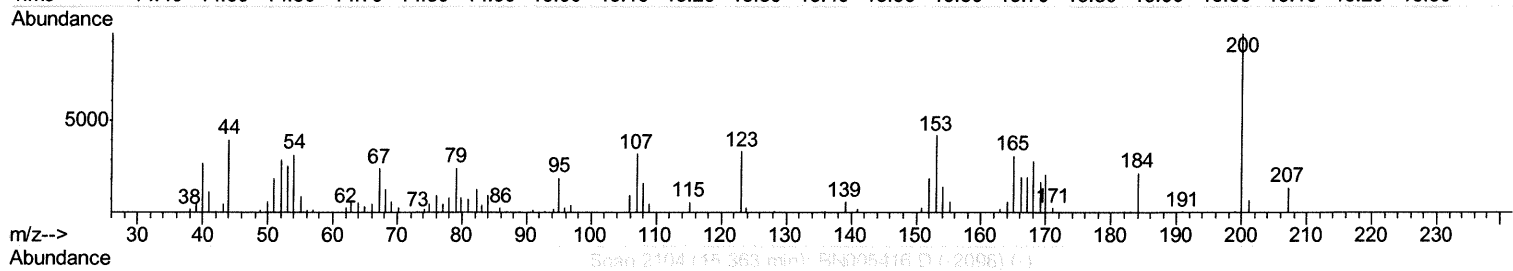
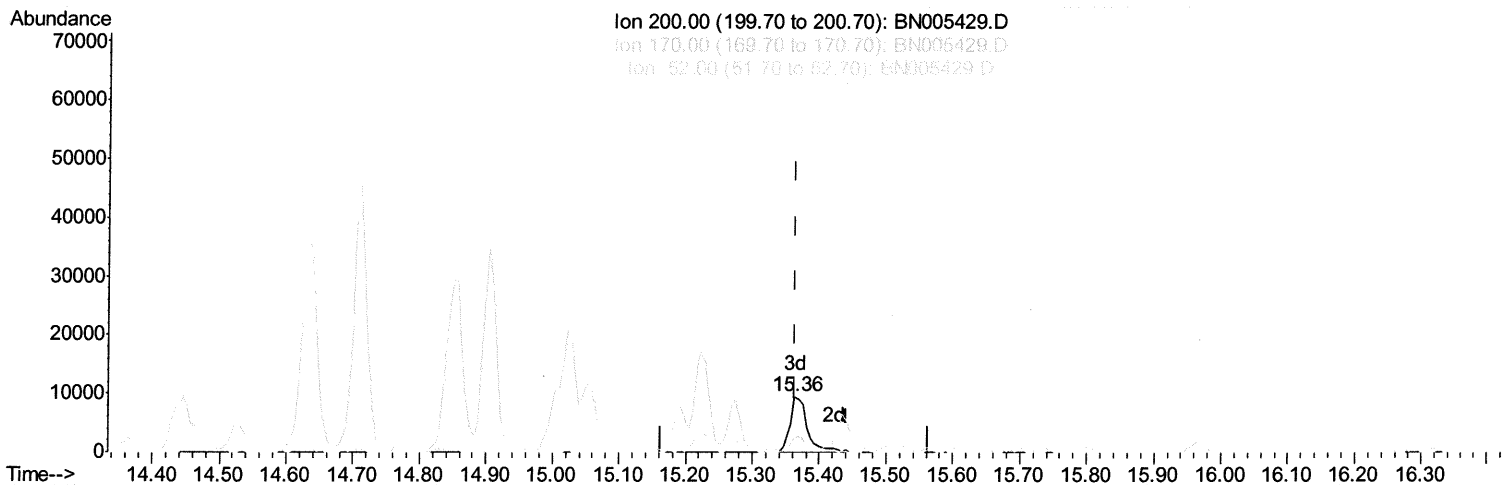
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



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

15.363min (-0.000) 1.98ng/ul m SJ 05/12/19

response 16790

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	23.92
52.00	49.60	31.77#
0.00	0.00	0.00

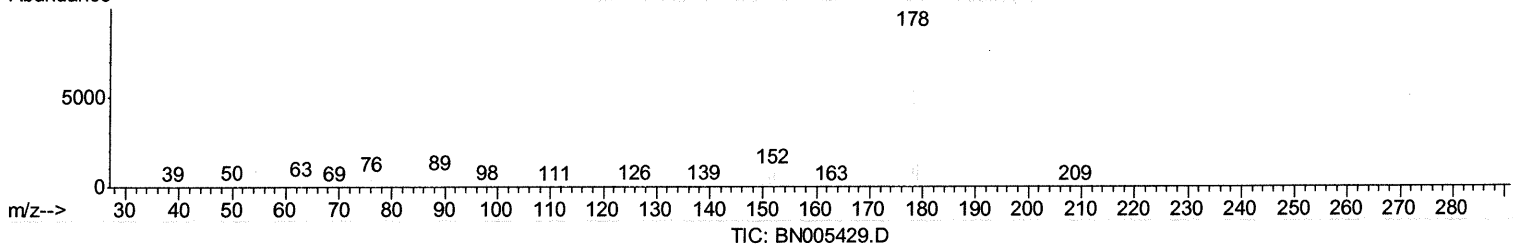
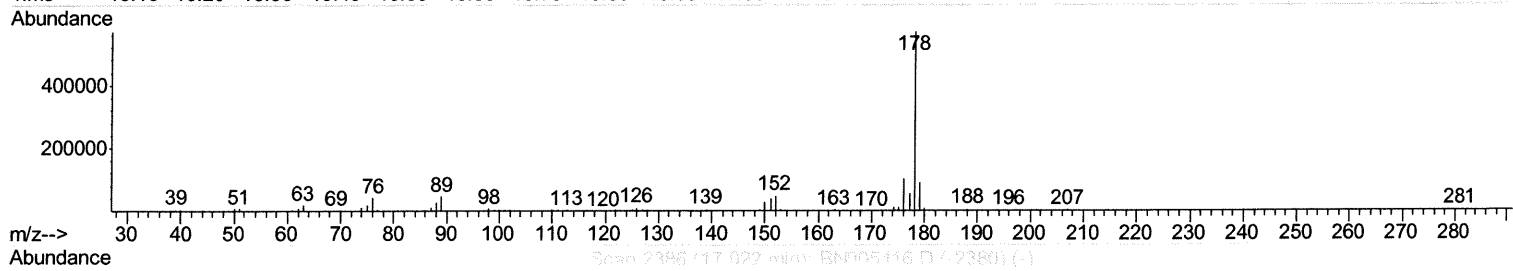
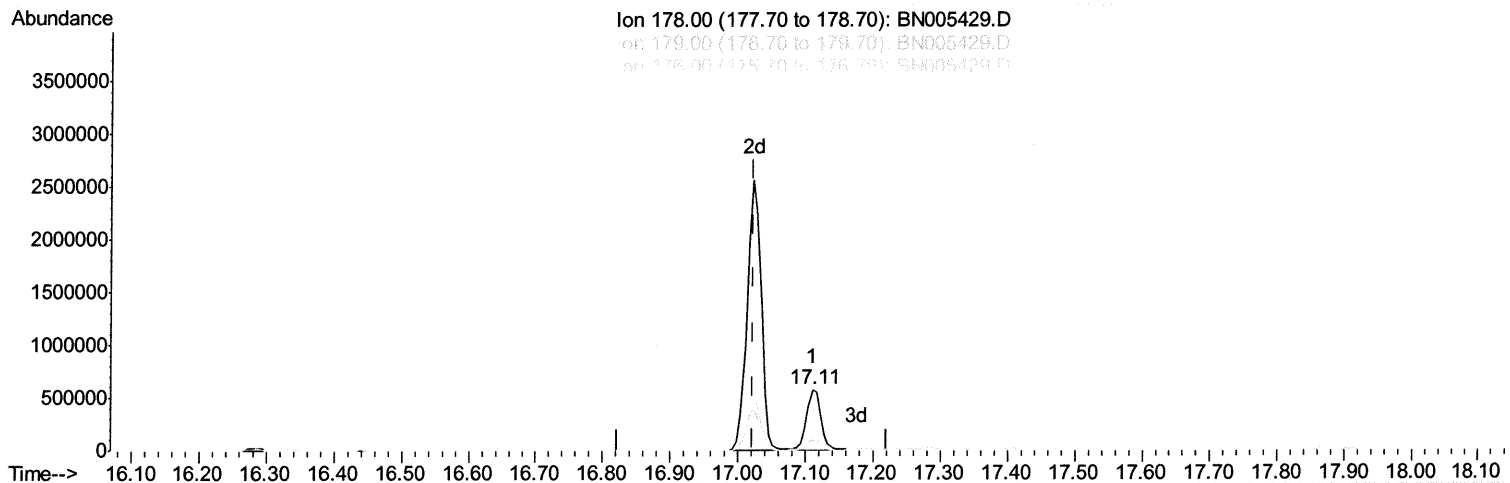
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

Manual Integrations
APPROVED

Sohil
5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(69) Phenanthrene

17.110min (+0.088) 9.11ng/ul

response 836511

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.79
176.00	18.90	17.89
0.00	0.00	0.00

Quantitation Report (Qedit)

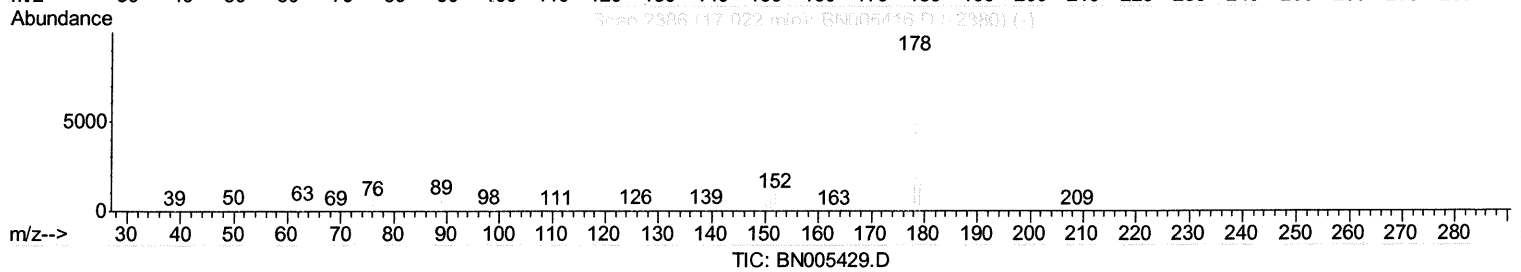
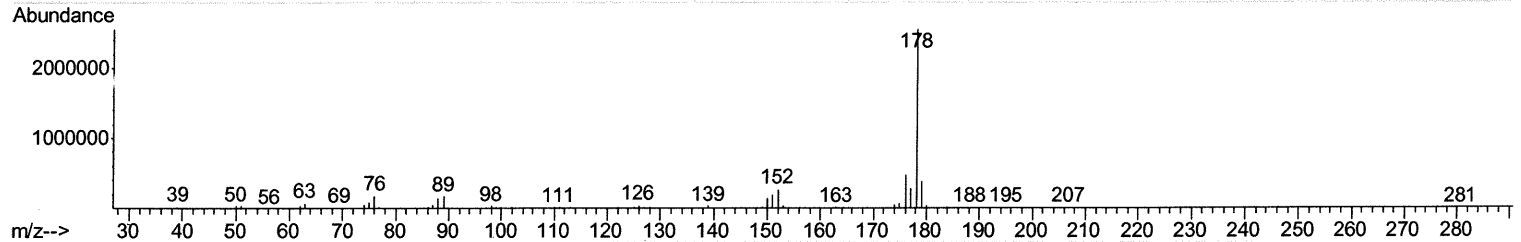
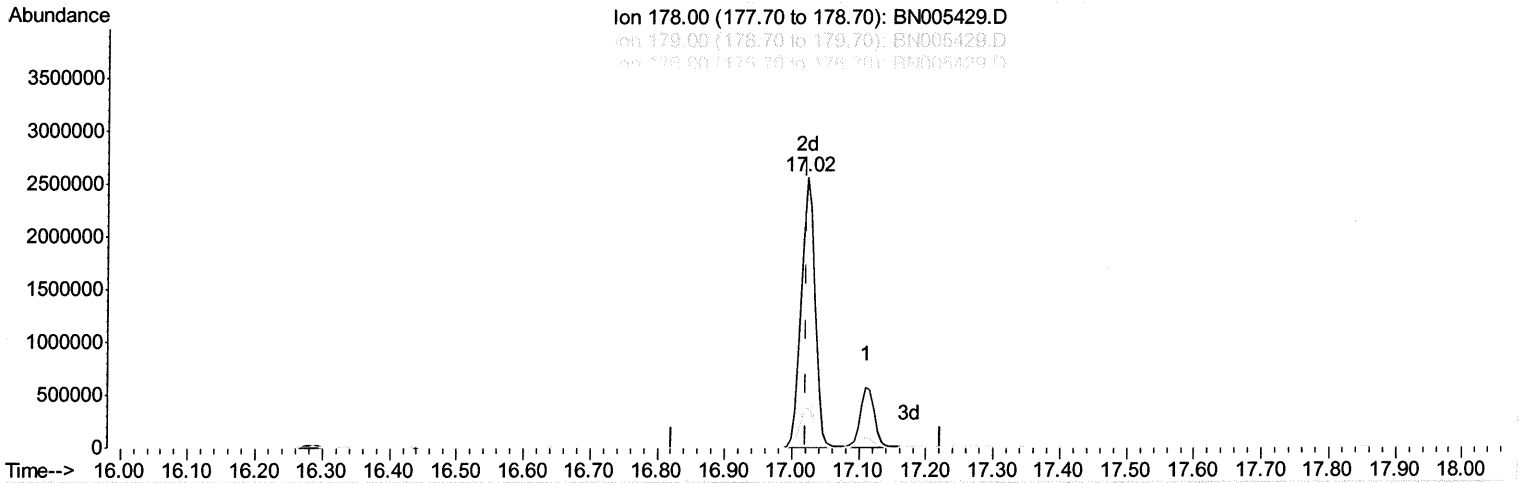
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(69) Phenanthrene

17.022min (-0.000) 39.82ng/ul m SJ 05/02/19

response 3658437

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.23
176.00	18.90	18.70
0.00	0.00	0.00

Quantitation Report (Qedit)

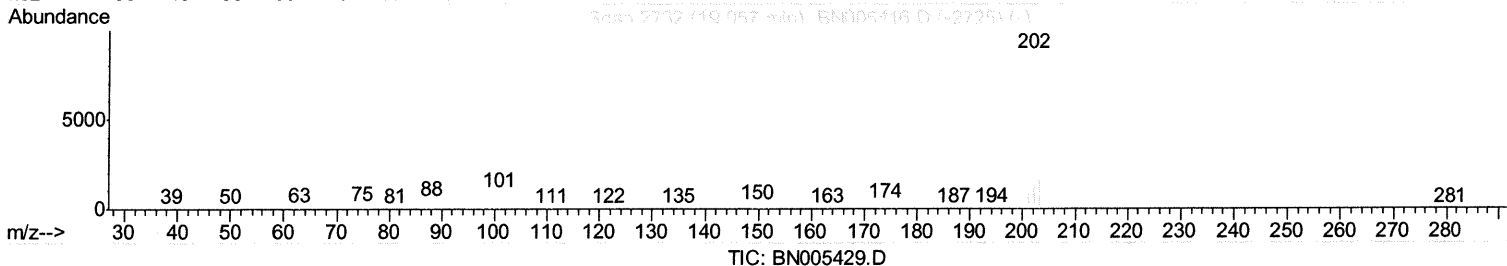
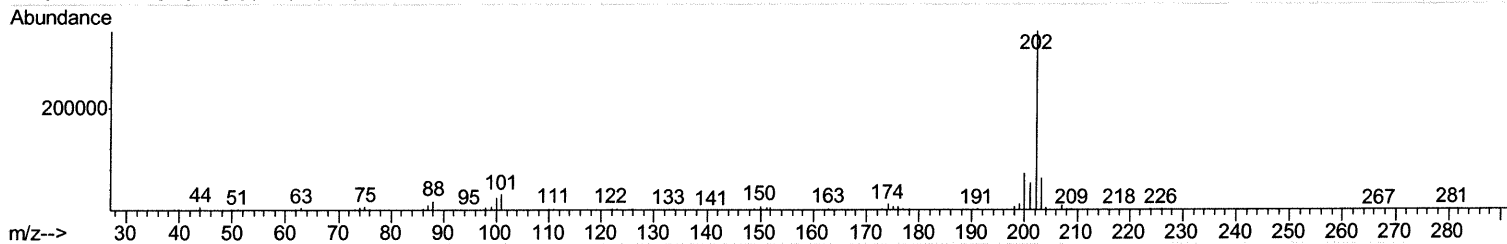
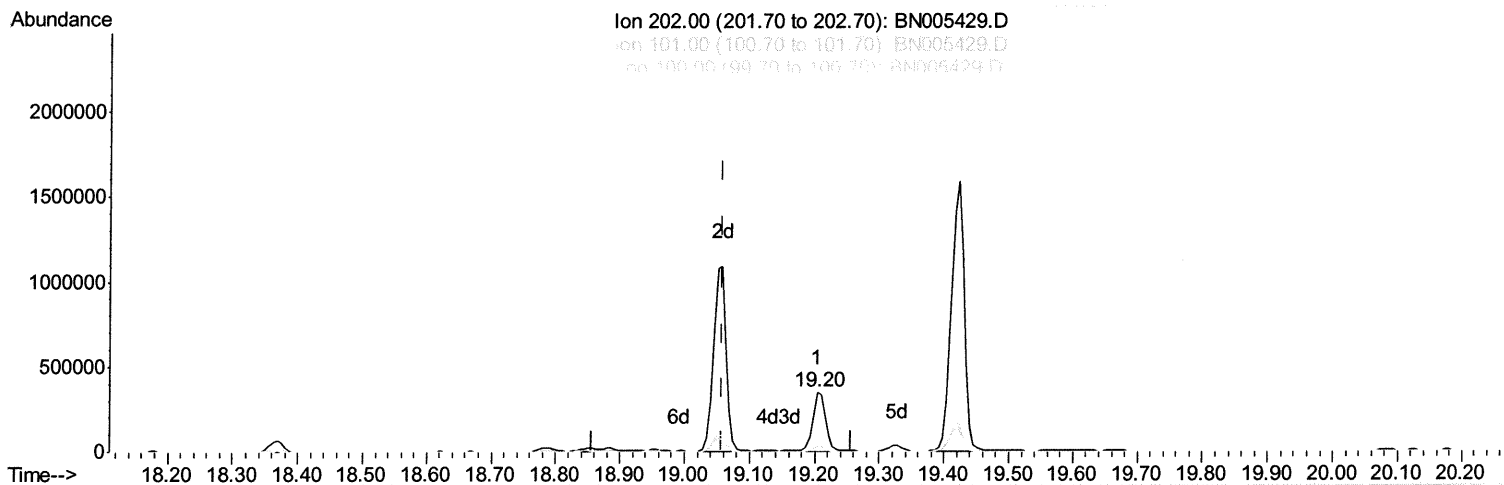
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(76) Fluoranthene (C)

19.204min (+0.147) 4.71ng/ul

response 480272

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	8.75
100.00	7.90	6.67
0.00	0.00	0.00

Quantitation Report (Qedit)

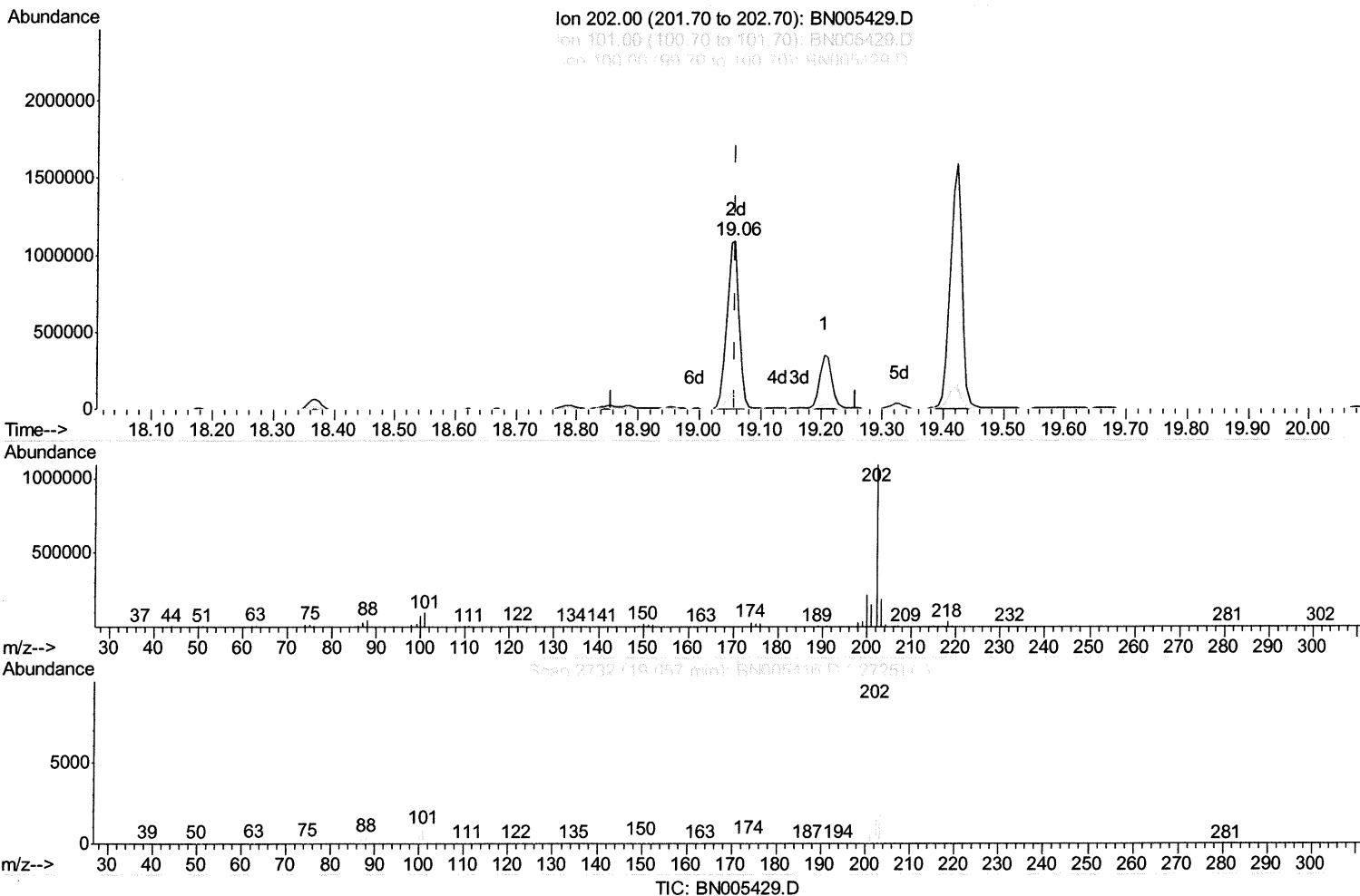
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(76) Fluoranthene (C)

19.057min (-0.000) 14.81ng/ul m SJ 05/12/19

response 1509249

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	8.71
100.00	7.90	6.76
0.00	0.00	0.00

Quantitation Report (Qedit)

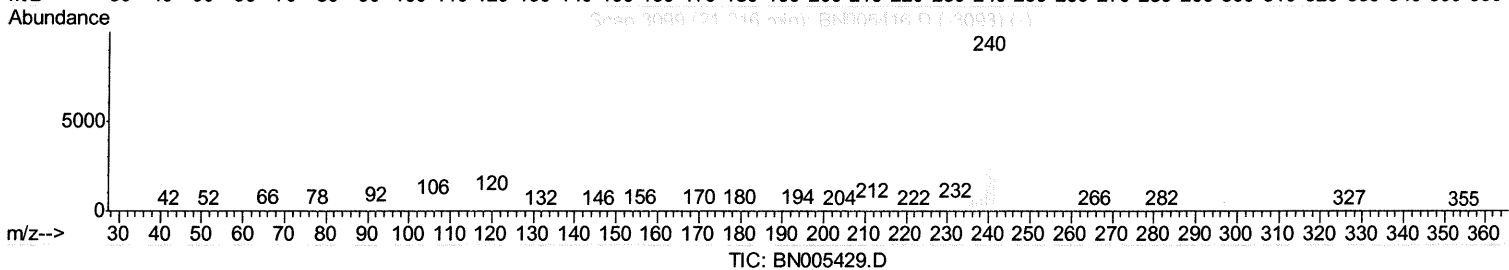
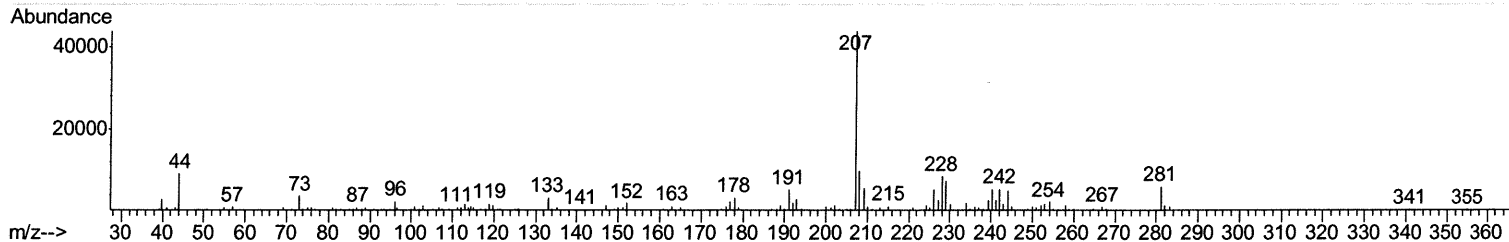
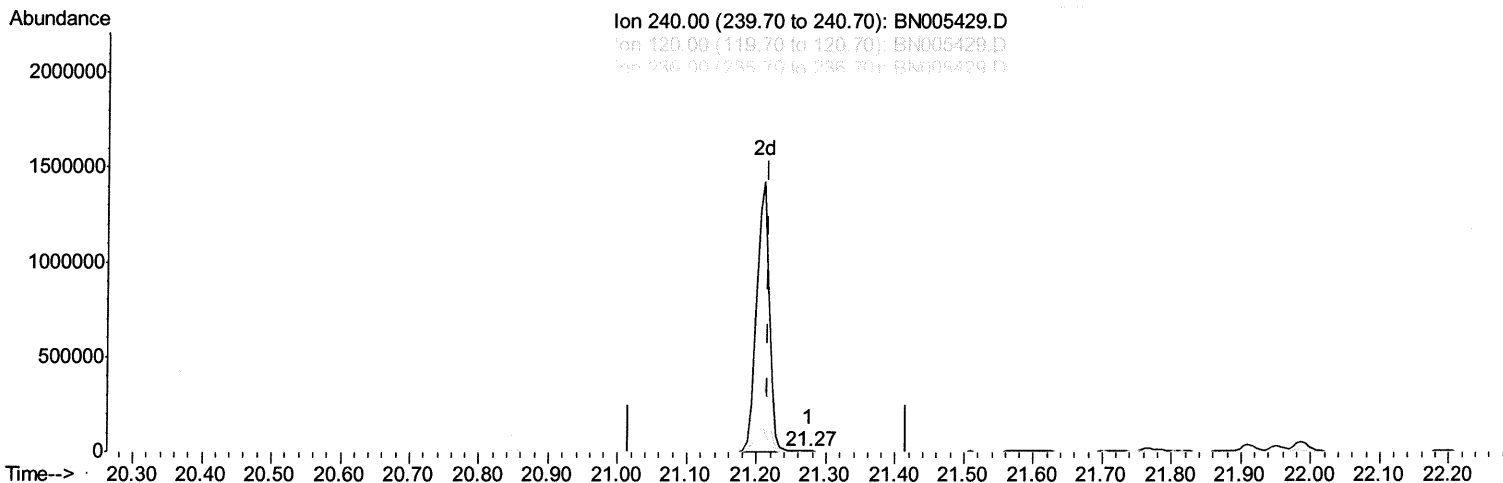
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(77) Chrysene-d12 (I)

21.274min (+0.059) 20.00ng/ul

response 2381

Ion	Exp%	Act%
240.00	100	100
120.00	10.90	27.08#
236.00	26.10	21.29
0.00	0.00	0.00

Quantitation Report (Qedit)

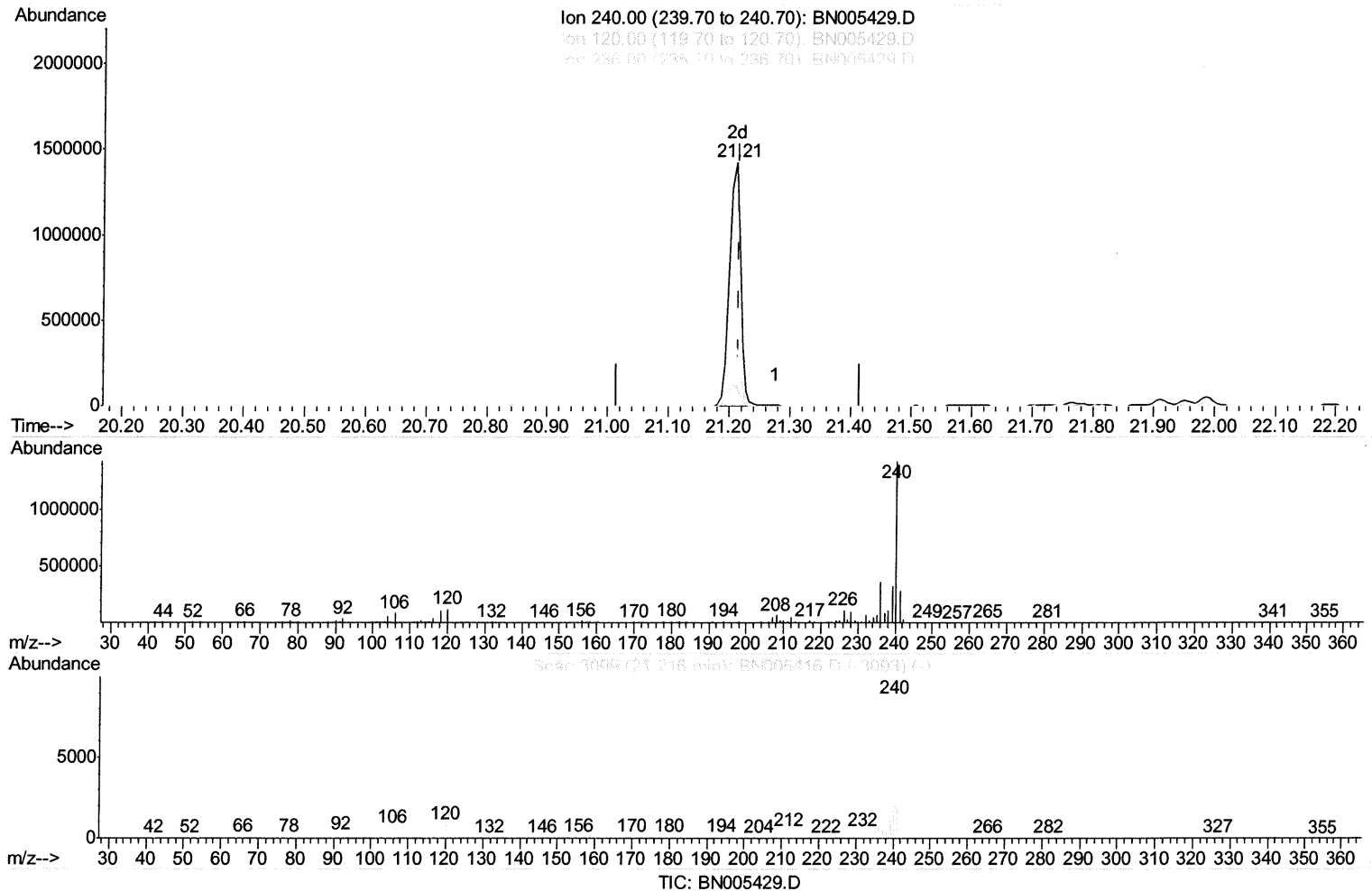
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:40:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(77) Chrysene-d12 (I)

21.210min (-0.006) 20.00ng/ul m *SJ* 05/12/19

response 1803603

Ion	Exp%	Act%
240.00	100	100
120.00	10.90	8.43#
236.00	26.10	25.62
0.00	0.00	0.00

Quantitation Report (Qedit)

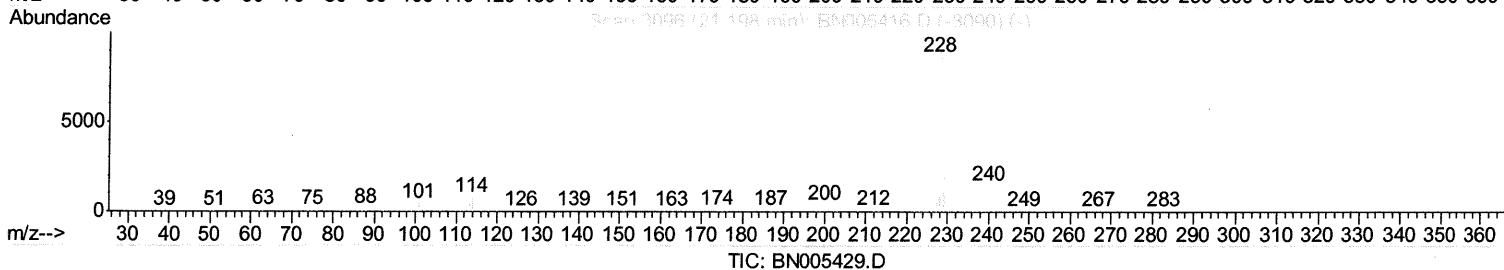
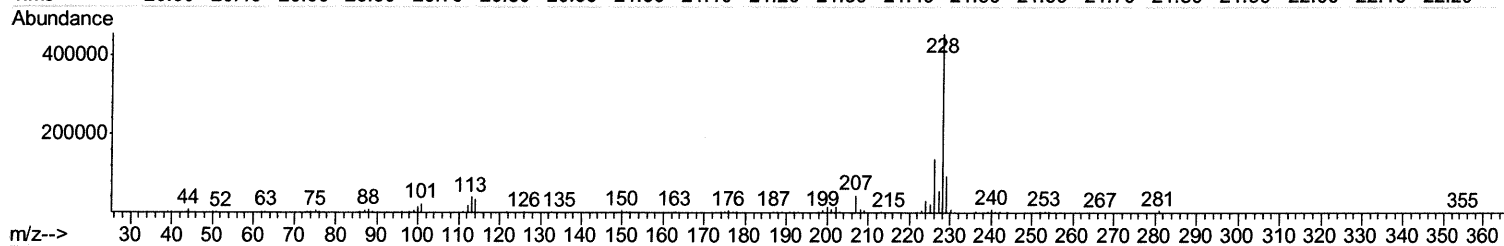
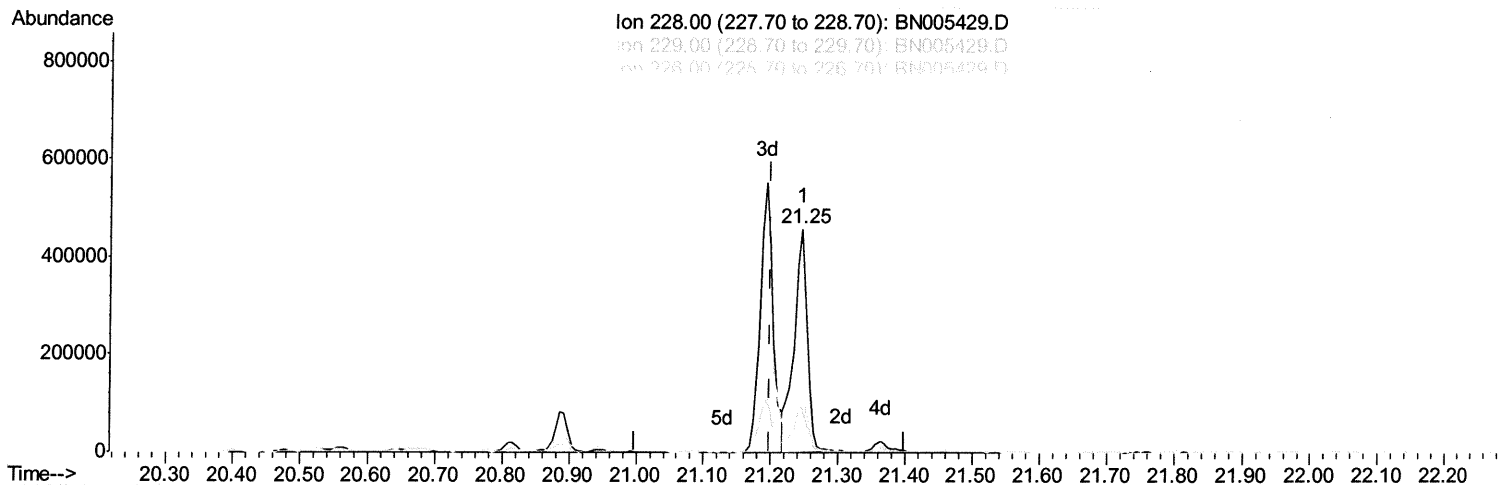
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:41:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.245min (+0.047) 5.65ng/ul

response 633869

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.64
226.00	26.80	29.99
0.00	0.00	0.00

Quantitation Report (Qedit)

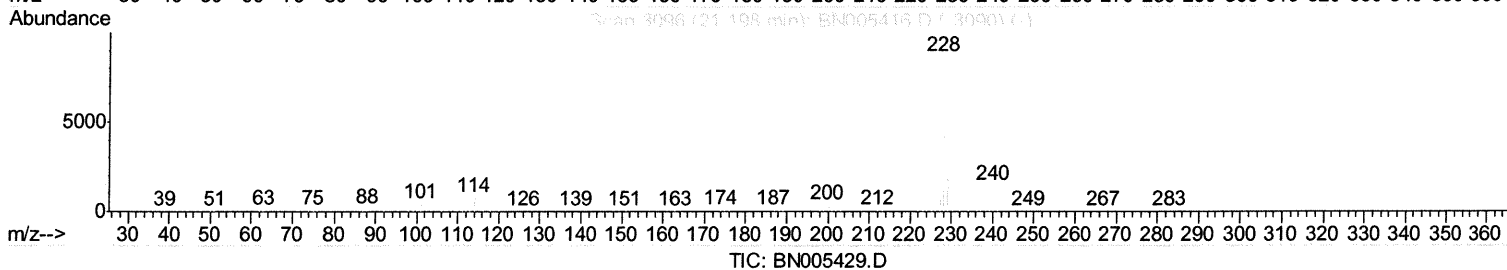
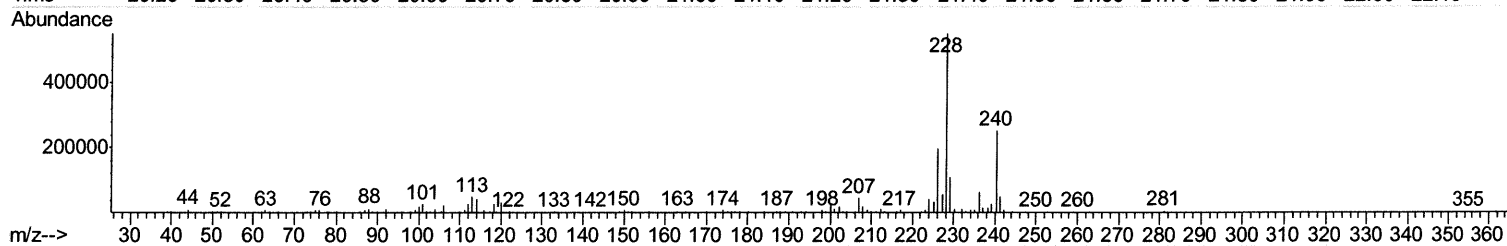
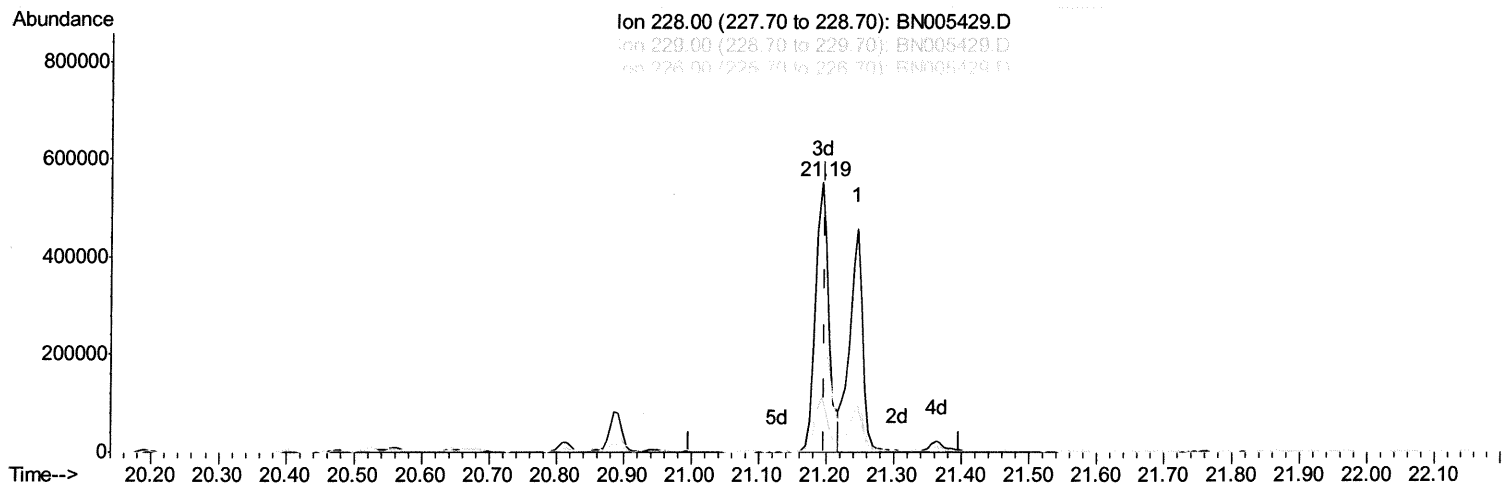
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

Manual Integrations
APPROVED

Sohil
5/3/2019 4:56:33 PM

Quant Time: May 03 04:41:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(82) Benzo(a)anthracene

21.192min (-0.006) 6.76ng/ul m SJ 05/12/19

response 758246

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	19.87
226.00	26.80	35.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

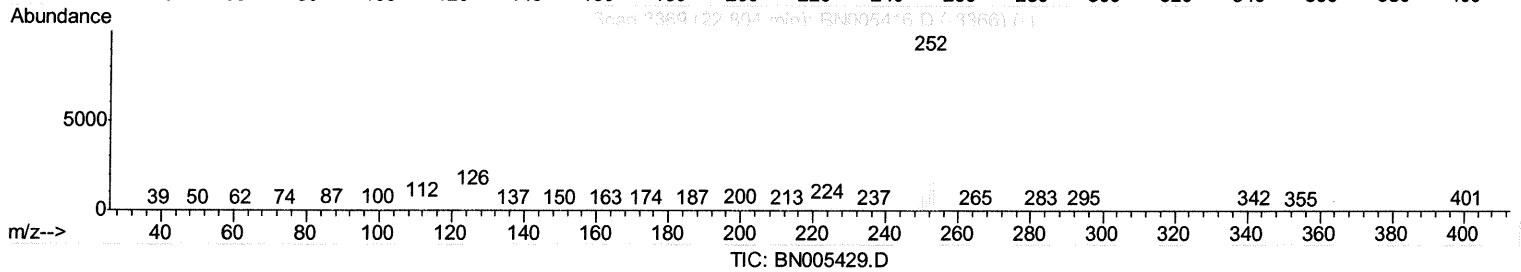
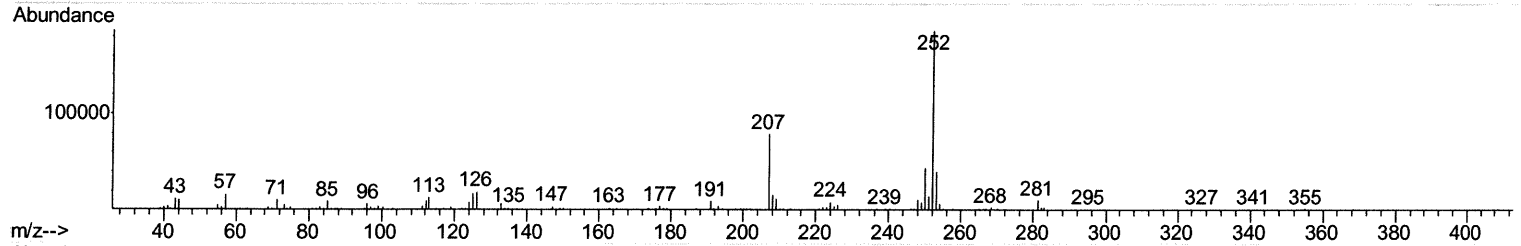
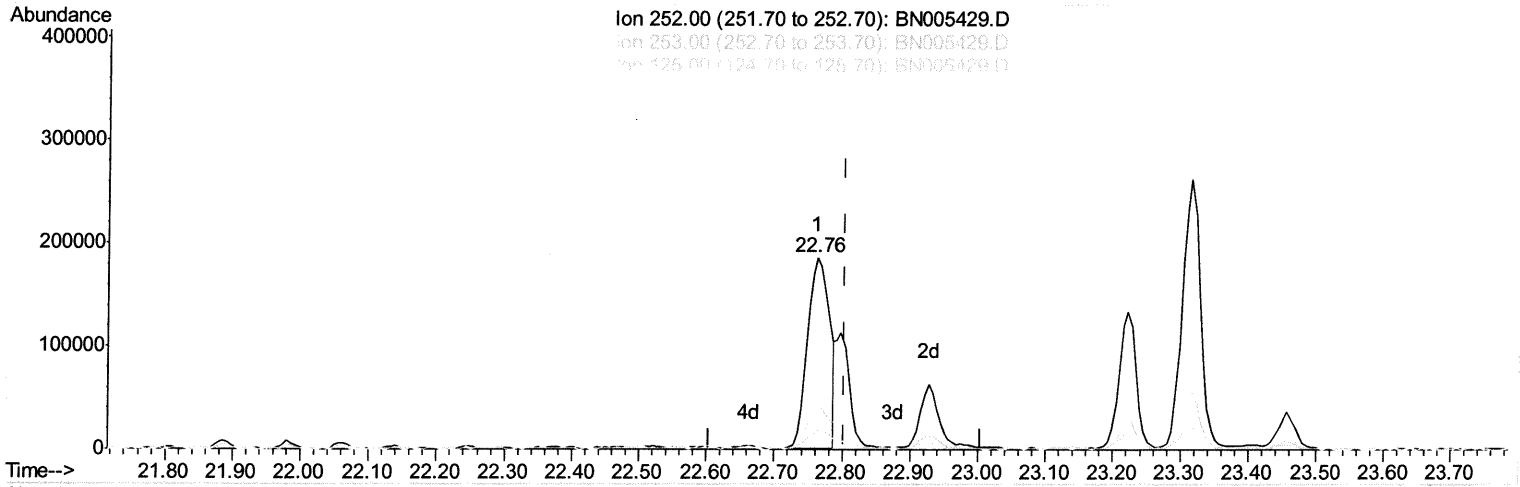
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:41:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.763min (-0.041) 4.47ng/ul

response 417018

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.57
125.00	9.40	9.38
0.00	0.00	0.00

Quantitation Report (Qedit)

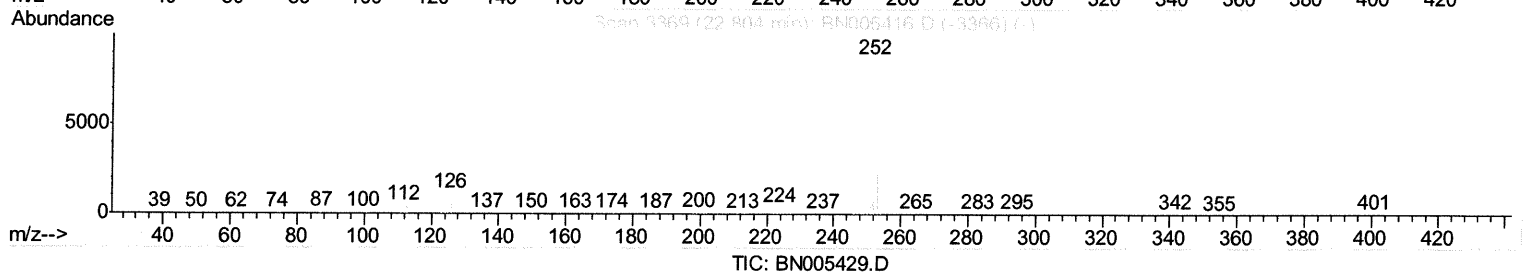
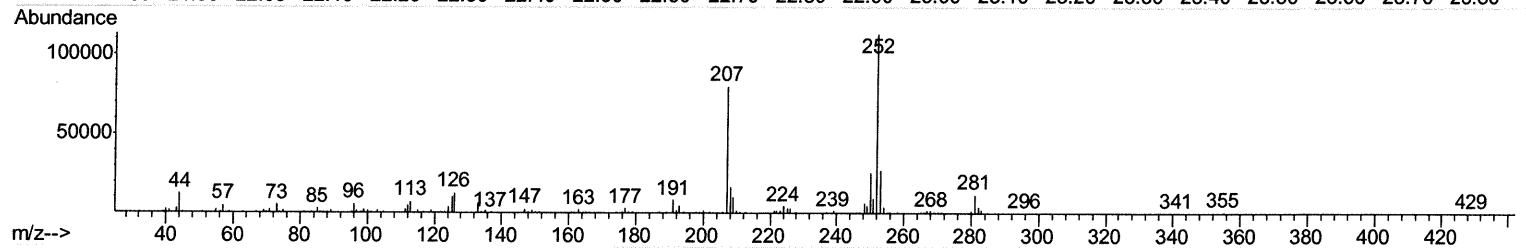
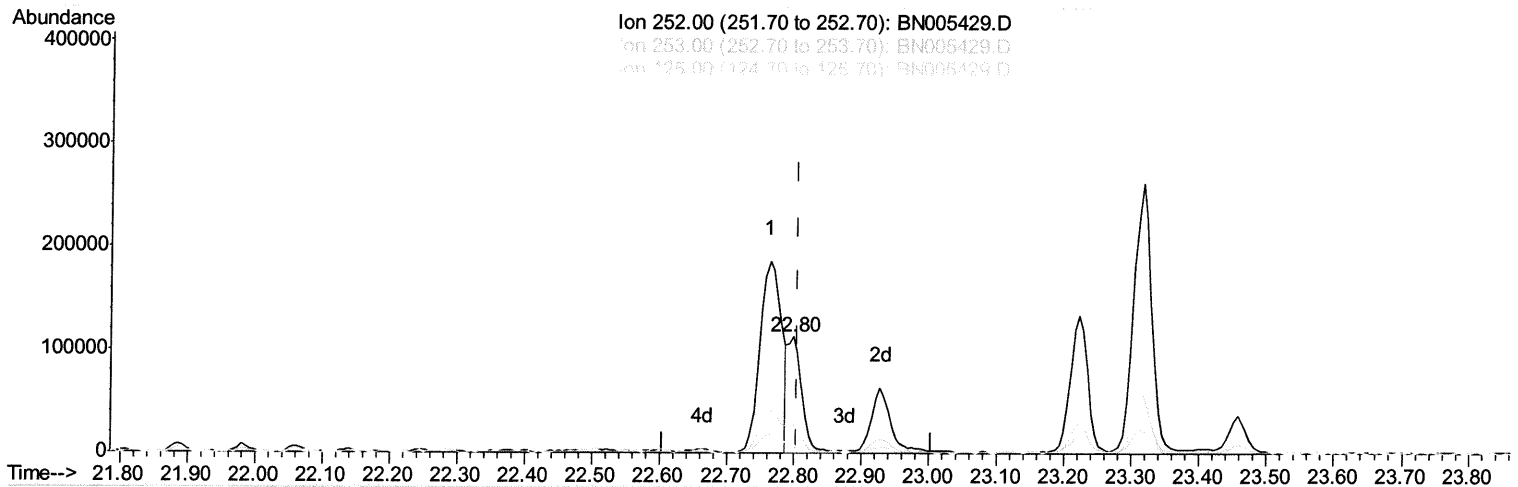
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:41:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.798min (-0.006) 1.77ng/ul m SJ 05/12/19

response 164994

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	24.39
125.00	9.40	9.19
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:56:33 PM

Quant Time: May 03 04:42:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	265557	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1203958	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	796114	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1886296m>	20.00	ng/ul>	0.00>
77) Chrysene-d12	21.21	240	1803603m>	20.00	ng/ul>	0.00>
85) Perylene-d12	23.41	264	1737401	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	3641	0.66	ng/uL	0.00
5) Phenol-d5	6.78	99	65322	3.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	44142	3.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	56177	3.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	46359	2.84	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	32593	4.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	30352	4.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	55065	3.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	67850	3.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	226366	3.92	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	274836	3.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	12961	1.42	ng/ul	0.02
57) Fluorene-d10	15.22	176	202096	4.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	16790m>	1.98	ng/ul>	0.00>
70) Anthracene-d10	17.07	188	315637	3.99	ng/ul	0.00
78) Pyrene-d10	19.39	212	360428	3.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	293558	3.87	ng/ul	-0.01

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.40	128	5900190	105.417	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1789017	43.654	ng/ul	100
40) 1,1'-Biphenyl	13.05	154	320644	5.406	ng/ul	98
47) Acenaphthylene	13.95	152	994965	14.264	ng/ul	98
49) Acenaphthene	14.29	153	98580	2.070	ng/ul	96
53) Dibenzofuran	14.63	168	113274	1.652	ng/ul	100
58) Fluorene	15.28	166	750494	14.028	ng/ul	98
69) Phenanthrene	17.02	178	3658437m>	39.824	ng/ul>	>
71) Anthracene	17.11	178	813339	8.691	ng/ul	98
76) Fluoranthene	19.06	202	1509249m>	14.812	ng/ul>	>
79) Pyrene	19.42	202	2156517	18.570	ng/ul	95
82) Benzo(a)anthracene	21.19	228	758246m>	6.758	ng/ul>	>
84) Chrysene	21.25	228	632718	6.076	ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	417018	4.270	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	164994m>	1.769	ng/ul>	>
90) Benzo(a)pyrene	23.32	252	482280	5.254	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.60	276	155693	1.534	ng/ul	98
93) Benzo(g,h,i)perylene	26.26	276	126605	1.509	ng/ul	94

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