

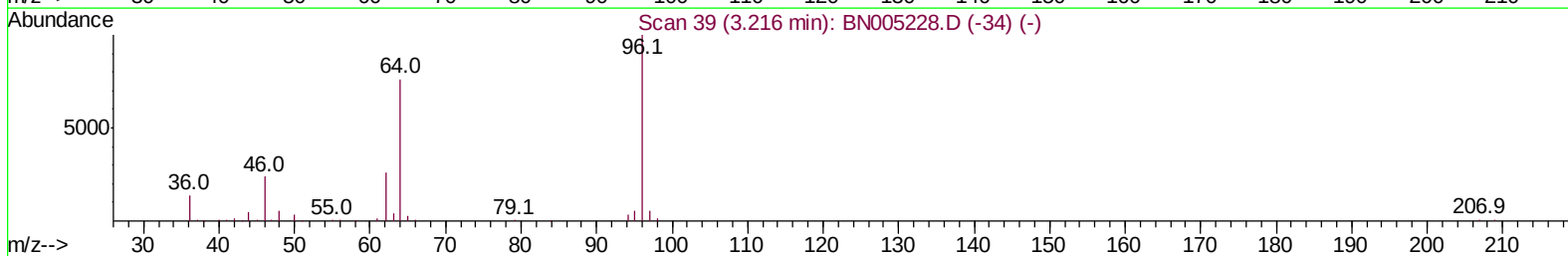
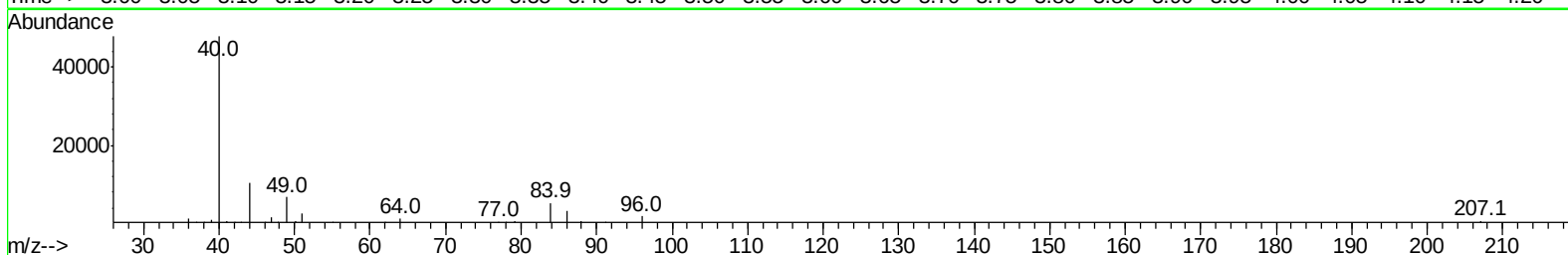
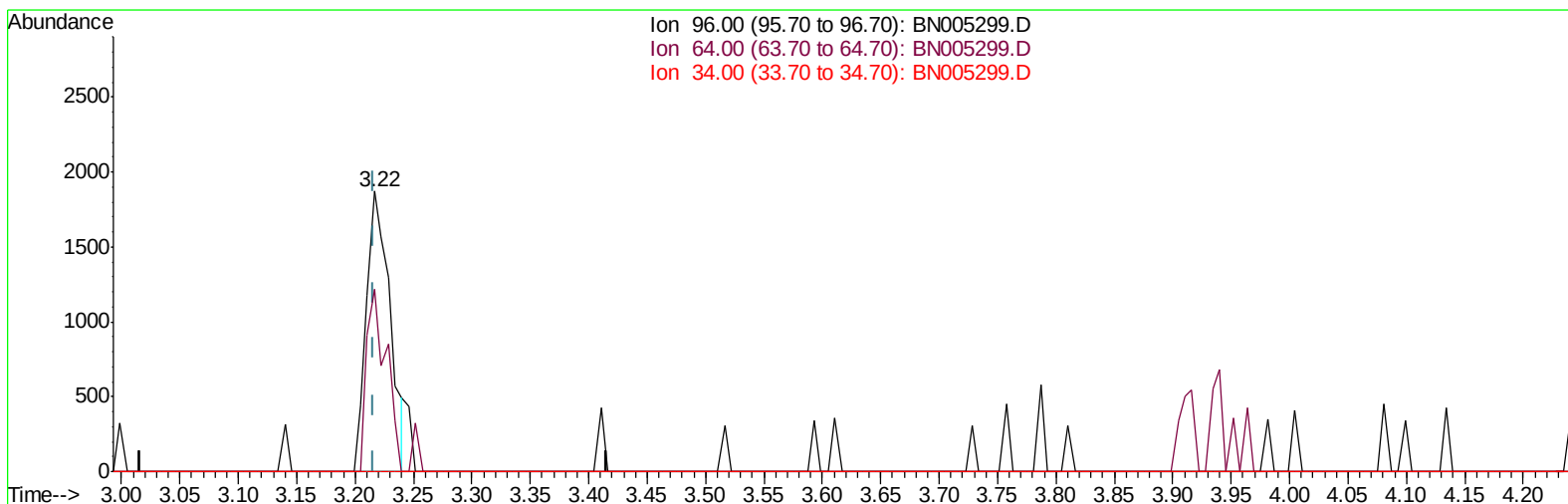
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM

Quant Time: Apr 26 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration



TIC: BN005299.D

(3) 1,4-Dioxane-d8 (S)

3.216min (+0.000) 0.28ng/uL

response 2612

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	65.01
34.00	0.00	0.00
0.00	0.00	0.00

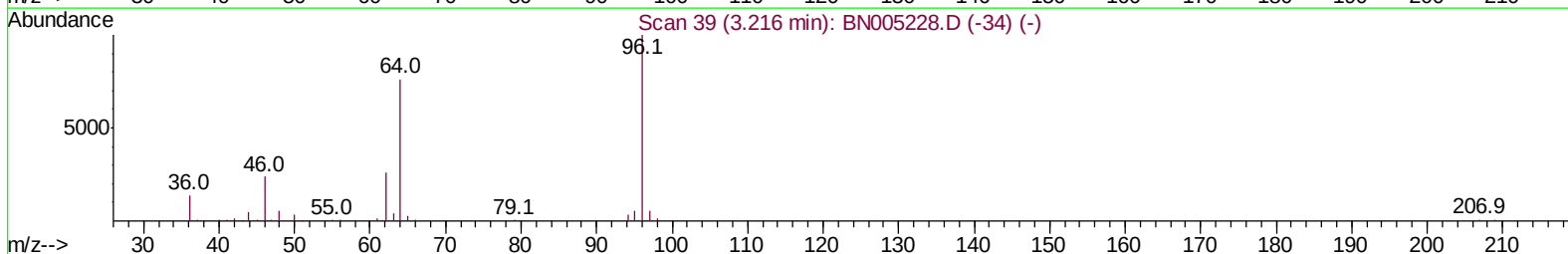
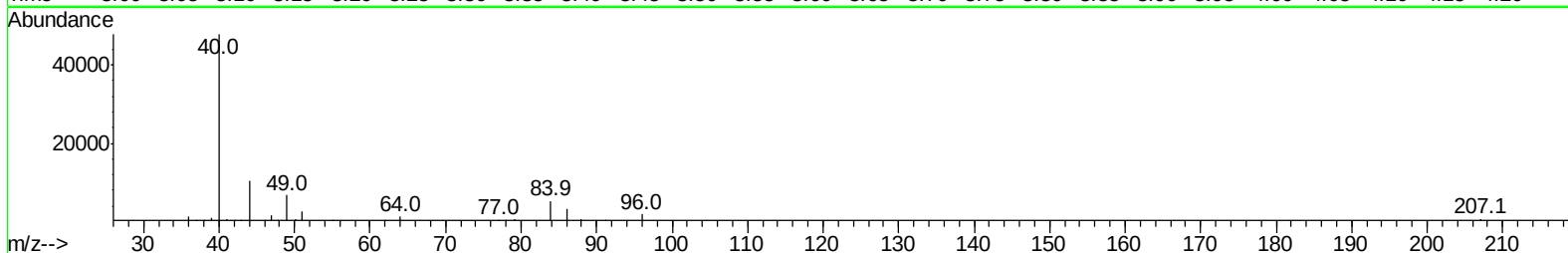
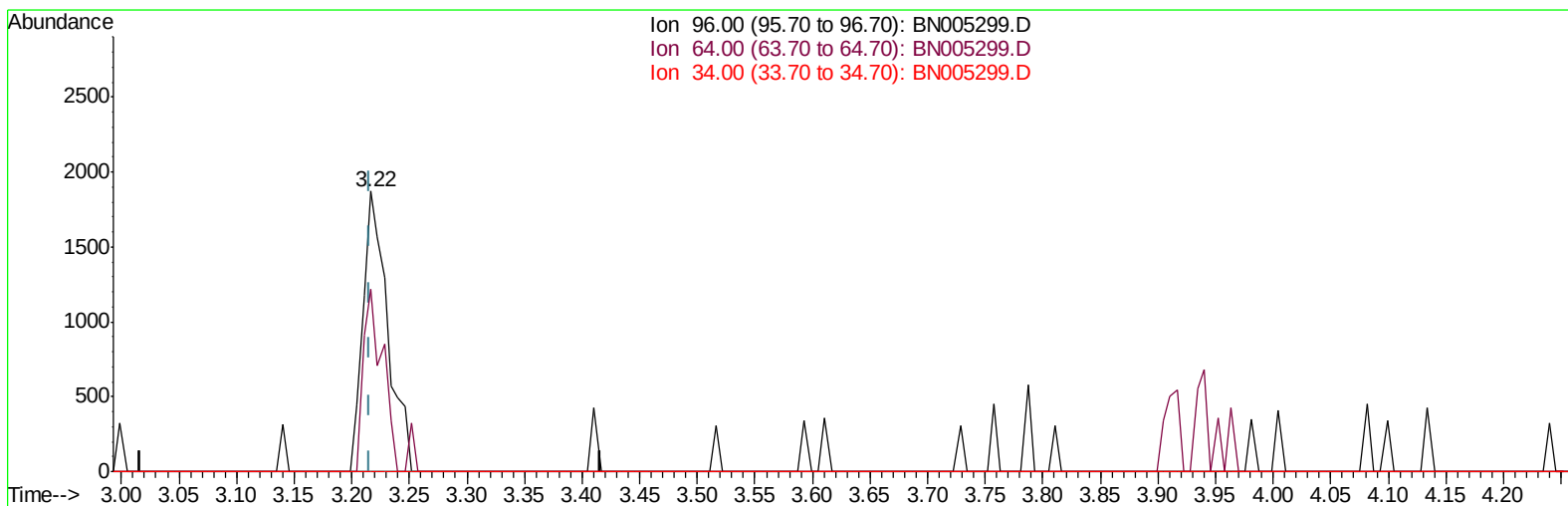
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
APPROVED

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4/26/2019 6:21:44 PM

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BN005299.D

(3) 1,4-Dioxane-d8 (S)

3.216min (+0.000) 0.30ng/uL m

response 2767

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	65.01
34.00	0.00	0.00
0.00	0.00	0.00

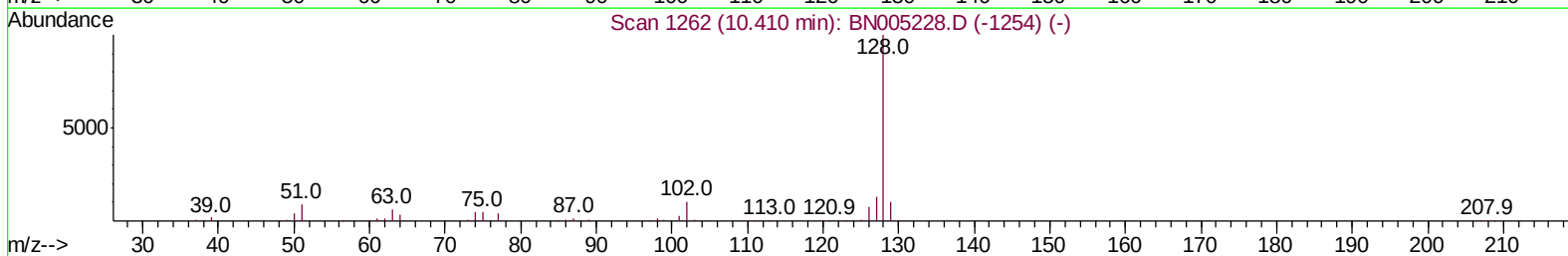
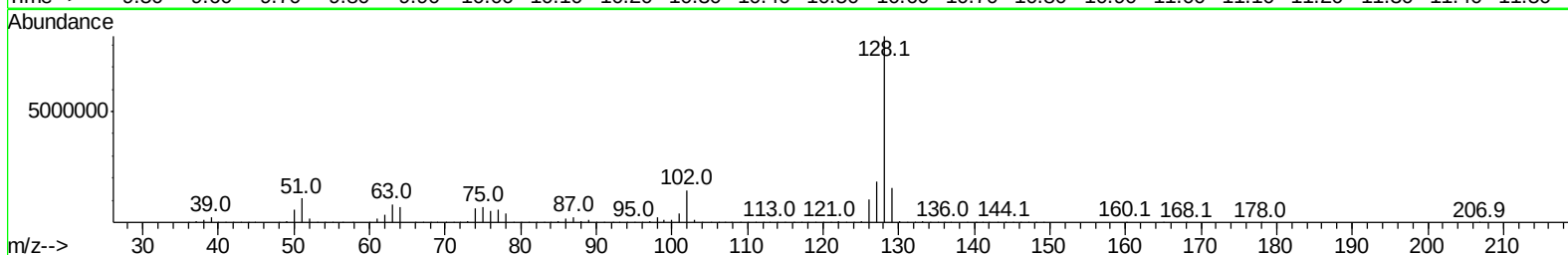
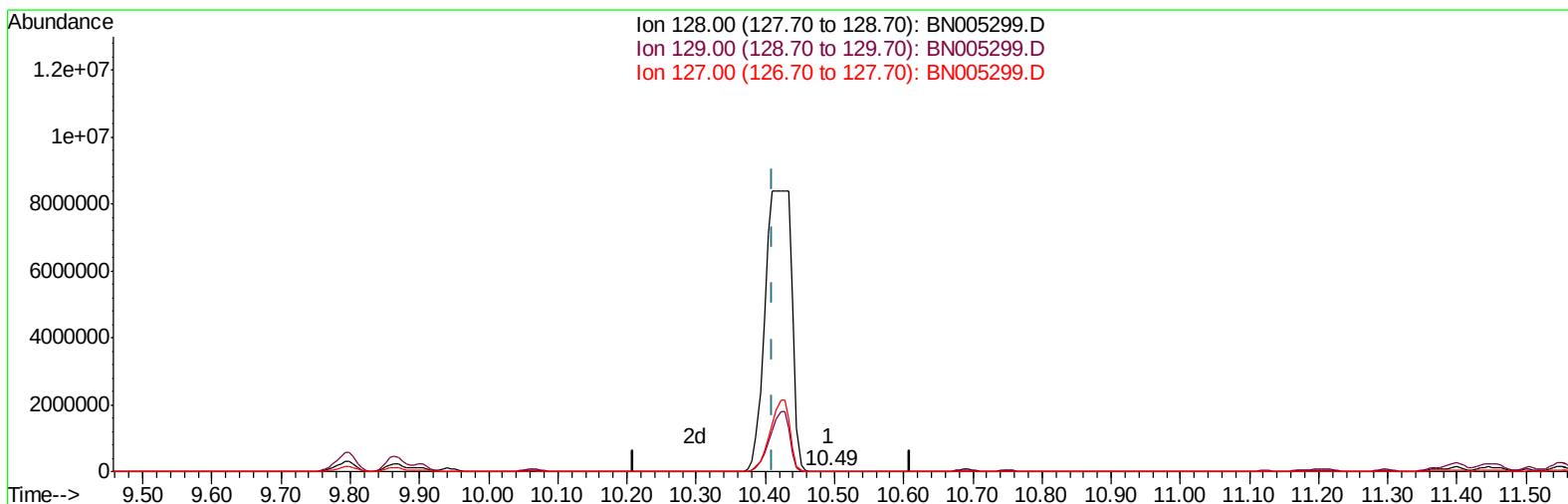
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM

Quant Time: Apr 26 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration



TIC: BN005299.D

(28) Naphthalene

10.493min (+0.083) 0.28ng/ul

response 25582

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	152.45#
127.00	13.40	30.96#
0.00	0.00	0.00

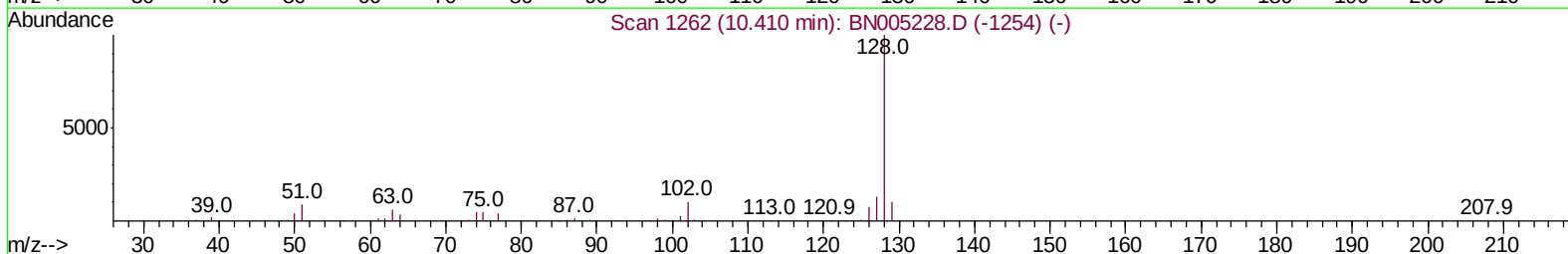
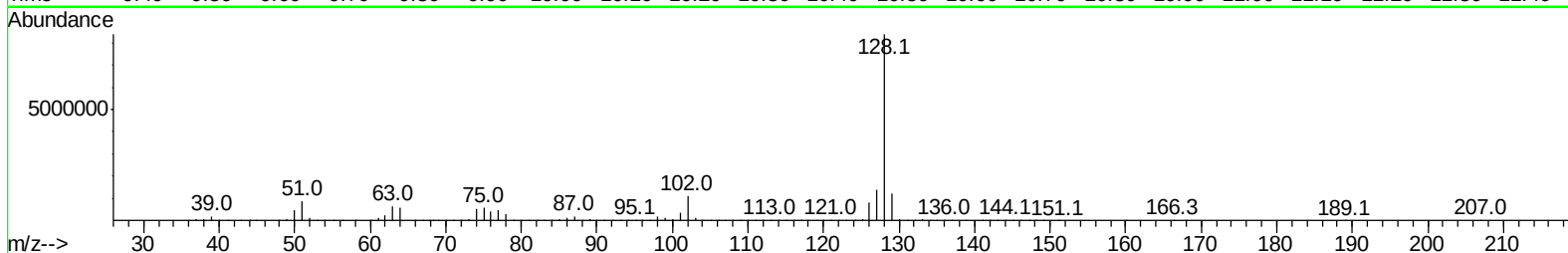
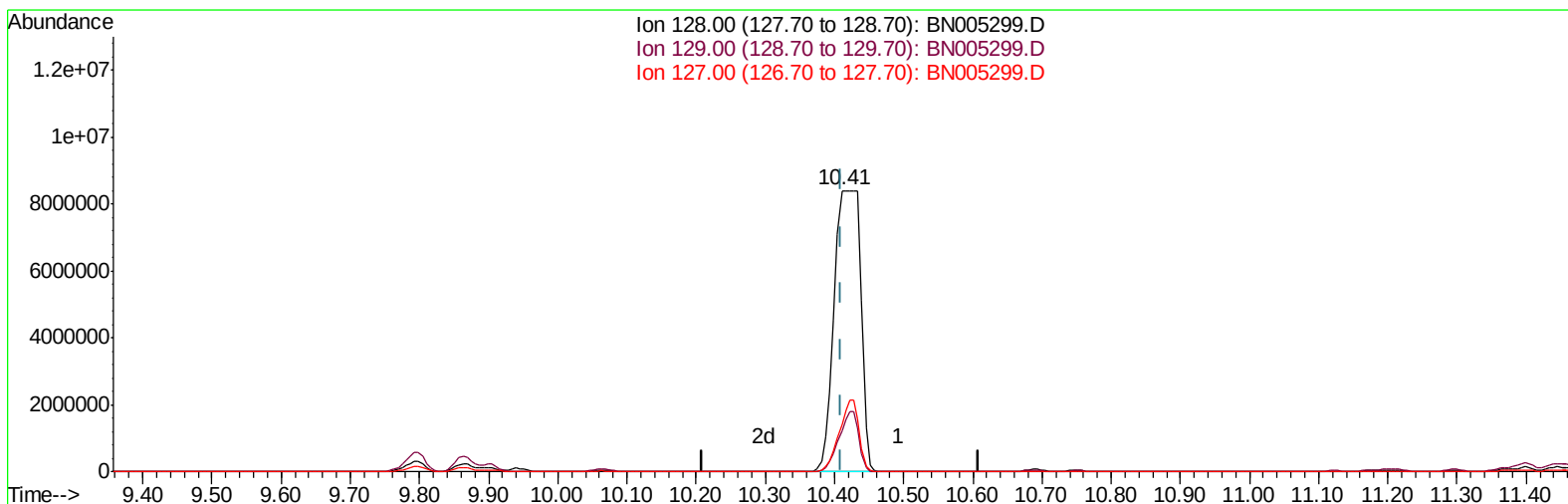
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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TIC: BN005299.D

(28) Naphthalene

10.410min (+0.000) 248.11ng/ul m

response 22589381

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	14.73#
127.00	13.40	16.78#
0.00	0.00	0.00

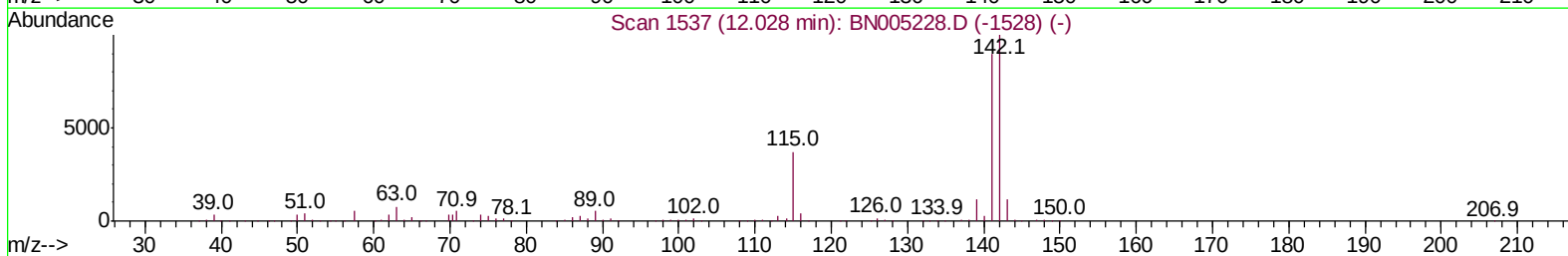
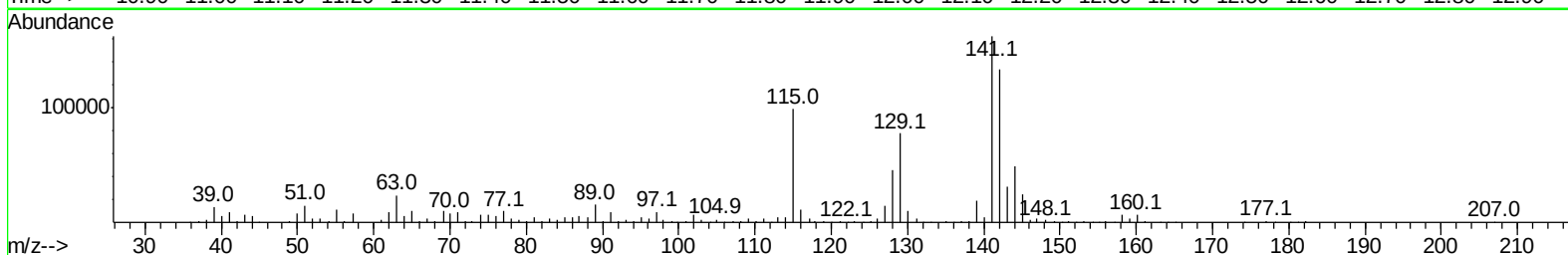
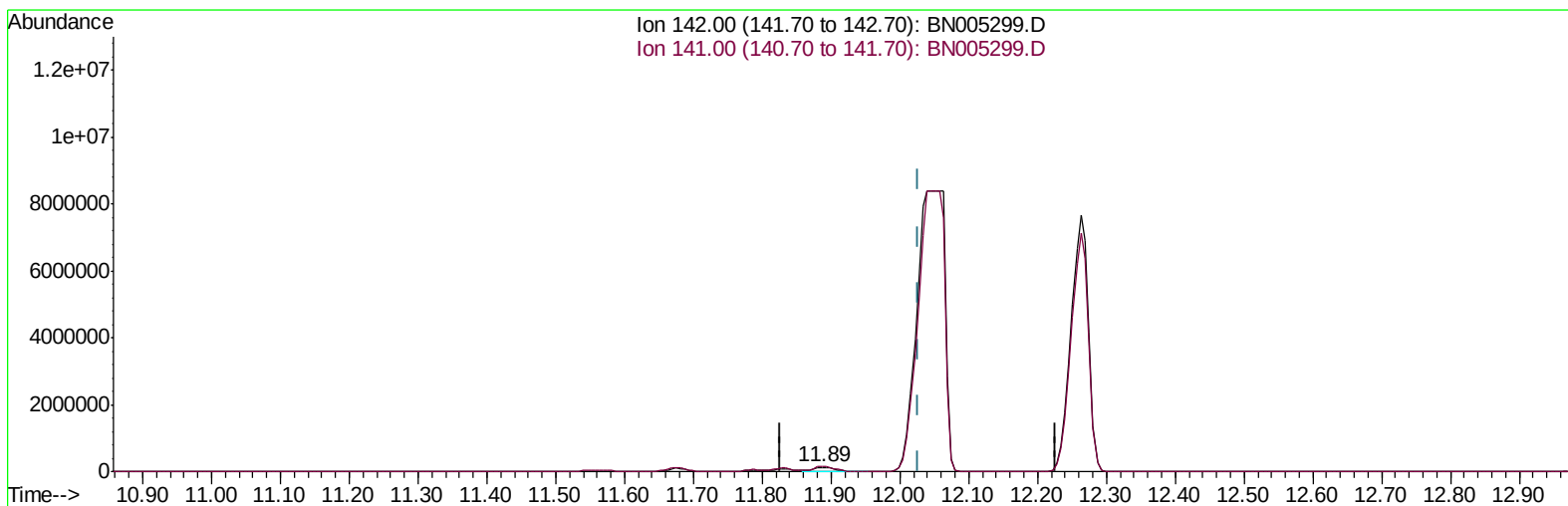
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Quant Title : SVOA CALIBRATION
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Manual Integrations
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Sohil
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TIC: BN005299.D

(34) 2-Methylnaphthalene

11.887min (-0.141) 4.24ng/ul

response 282923

Ion	Exp%	Act%
142.00	100	100
141.00	90.00	121.70#
0.00	0.00	0.00
0.00	0.00	0.00

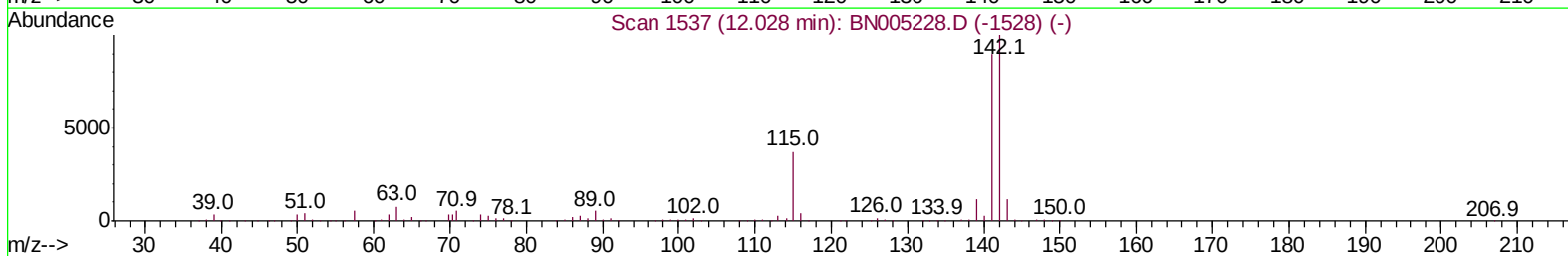
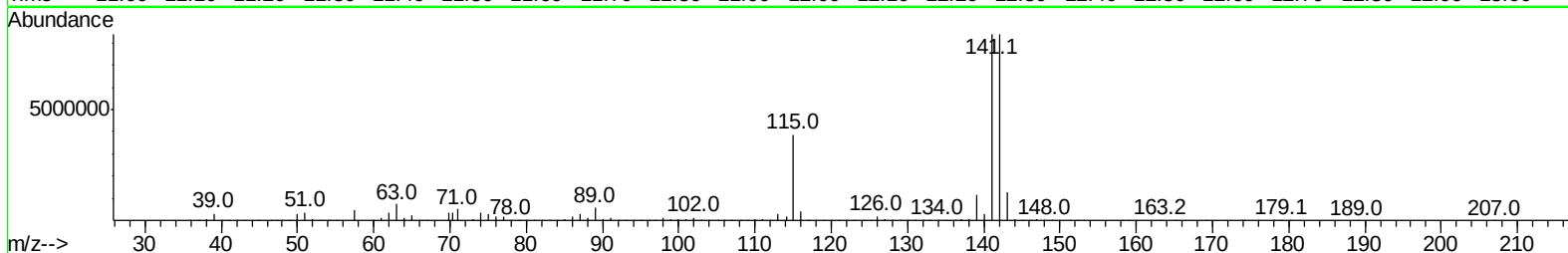
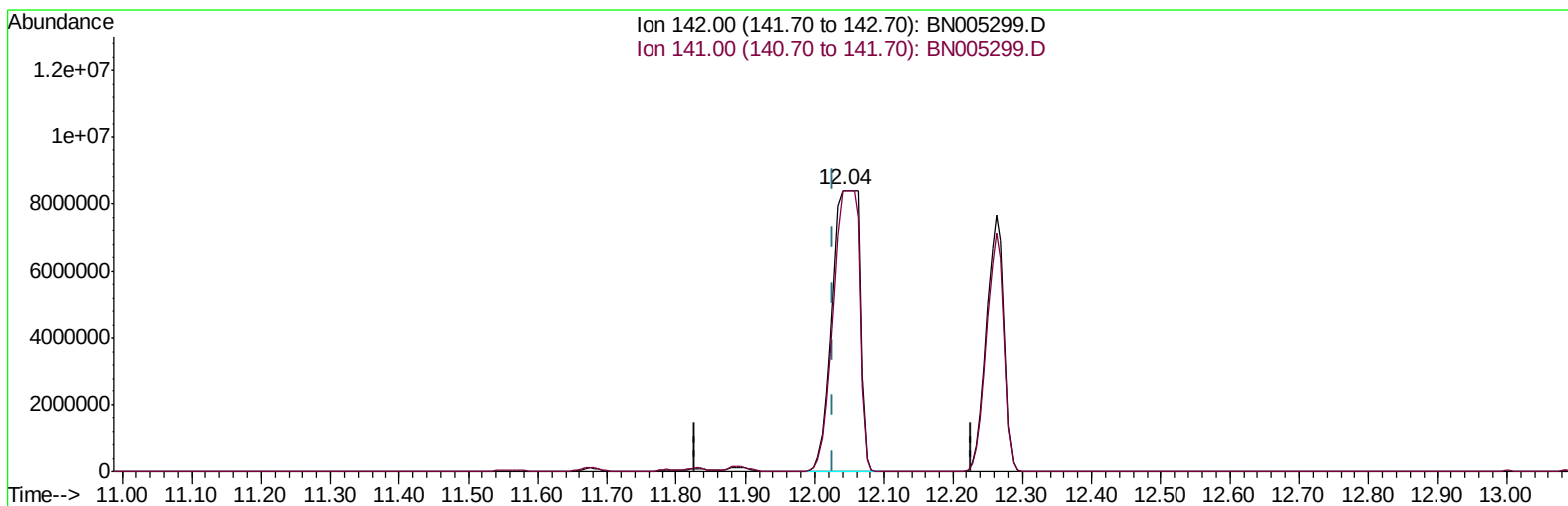
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
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Sohil
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Quant Time: Apr 26 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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TIC: BN005299.D

(34) 2-Methylnaphthalene

12.040min (+0.012) 354.84ng/ul m

response 23655543

Ion	Exp%	Act%
142.00	100	100
141.00	90.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00

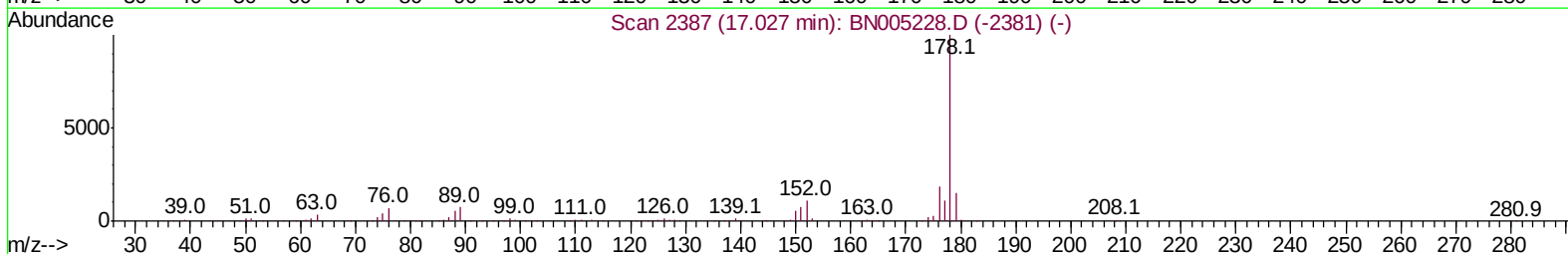
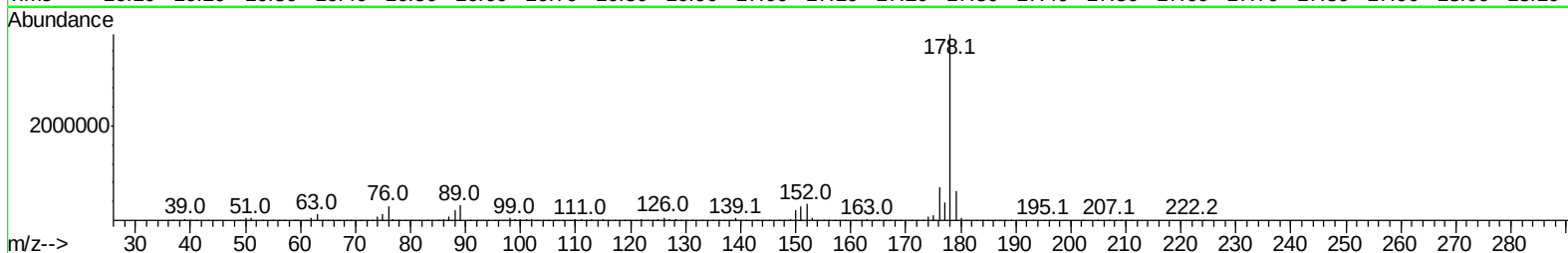
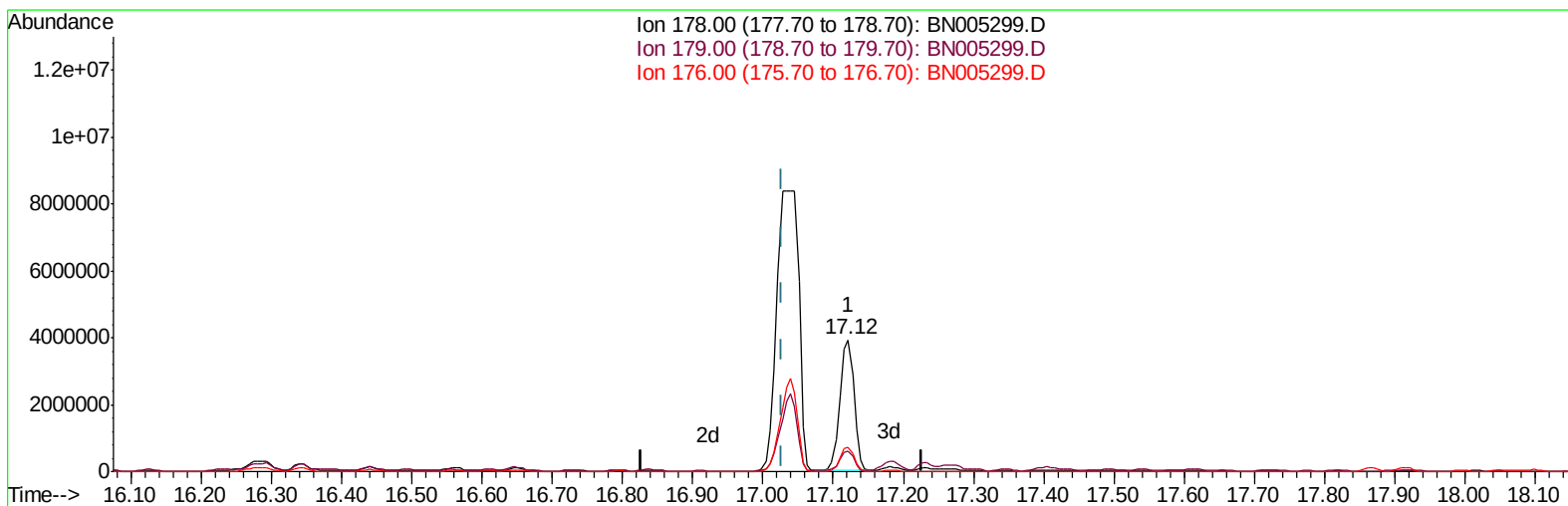
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Quant Time: Apr 26 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM



TIC: BN005299.D

(69) Phenanthrene

17.122min (+0.094) 39.44ng/ul

response 5470429

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.61
176.00	18.90	18.16
0.00	0.00	0.00

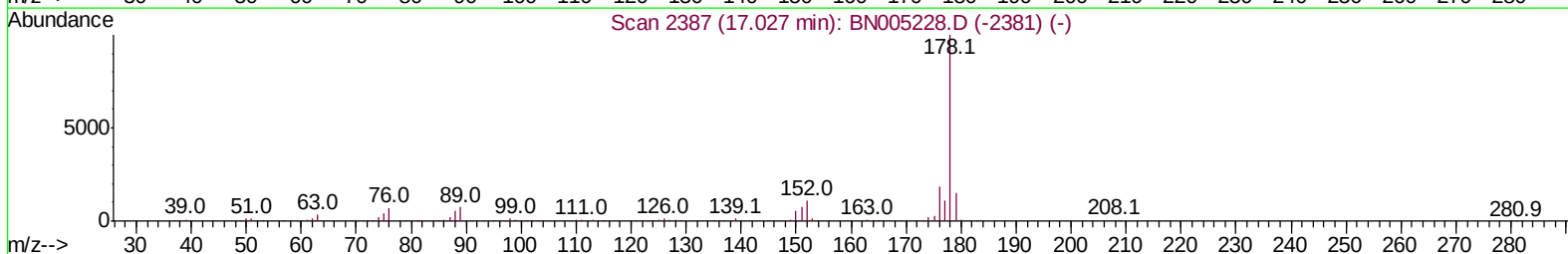
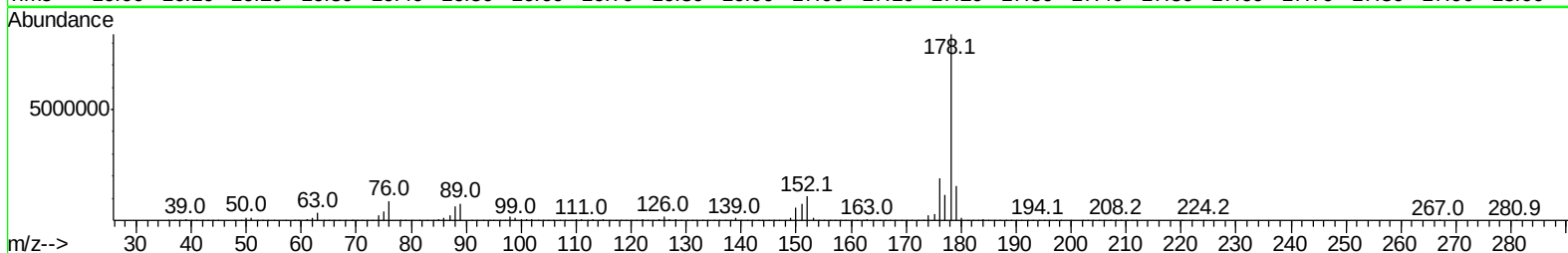
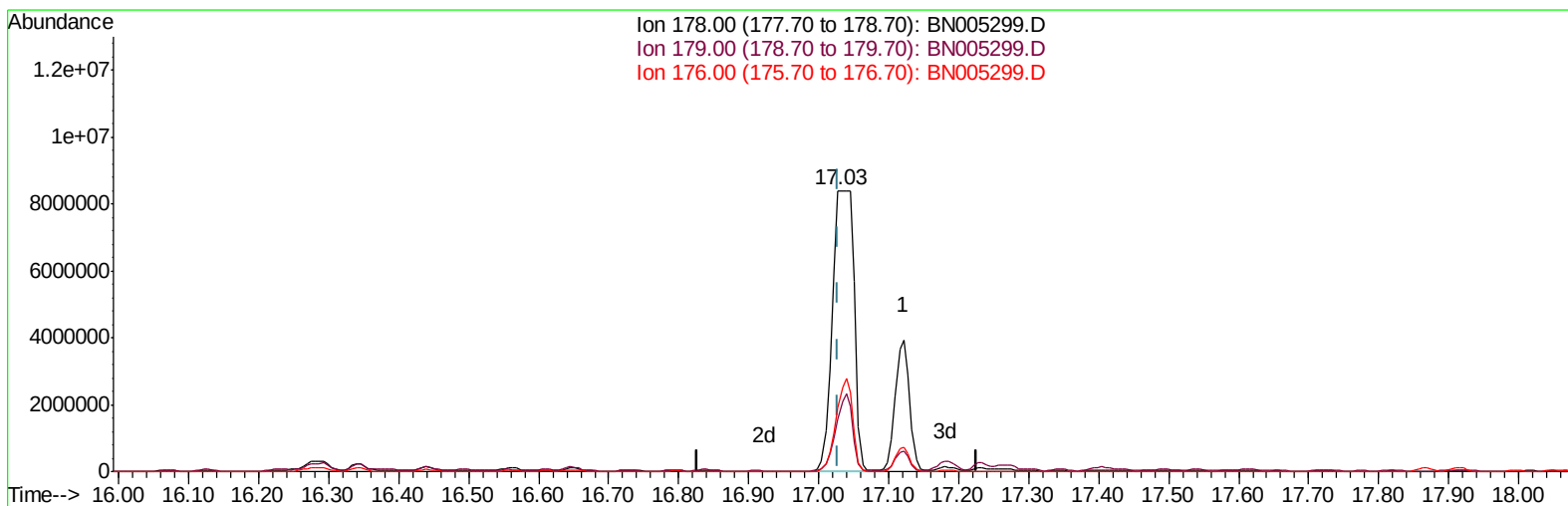
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM

Quant Time: Apr 26 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration



TIC: BN005299.D

(69) Phenanthrene

17.028min (+0.000) 130.79ng/ul m

response 18139667

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	18.58#
176.00	18.90	22.55
0.00	0.00	0.00

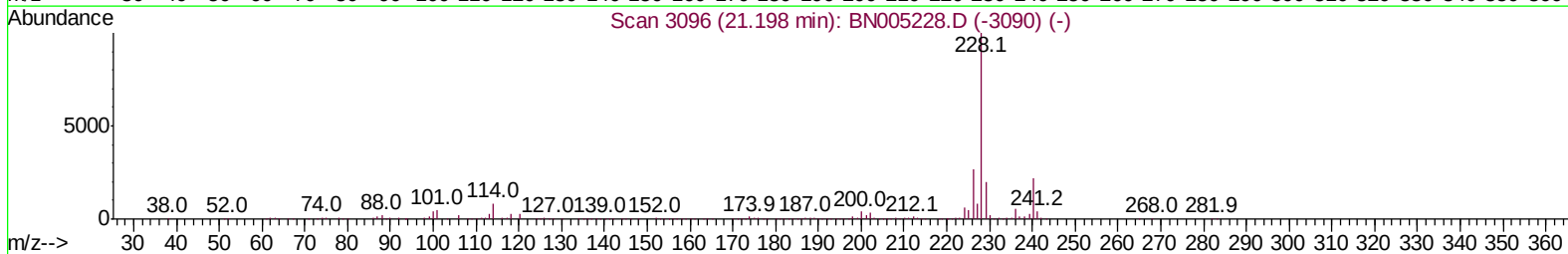
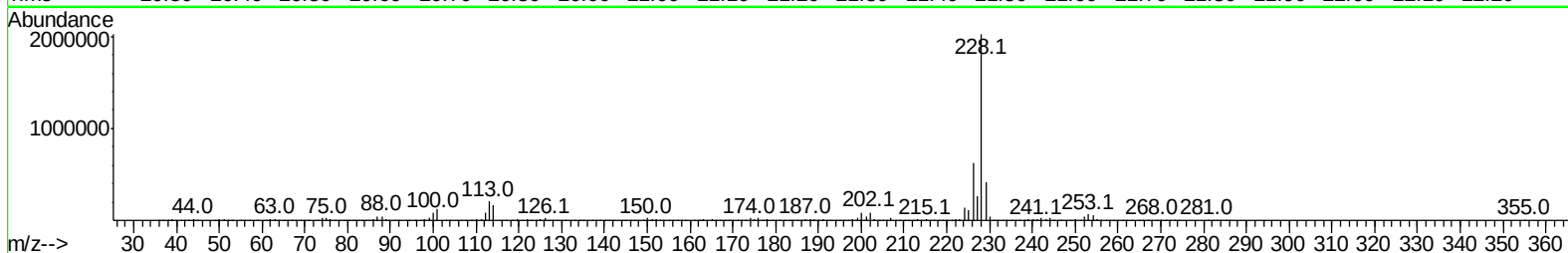
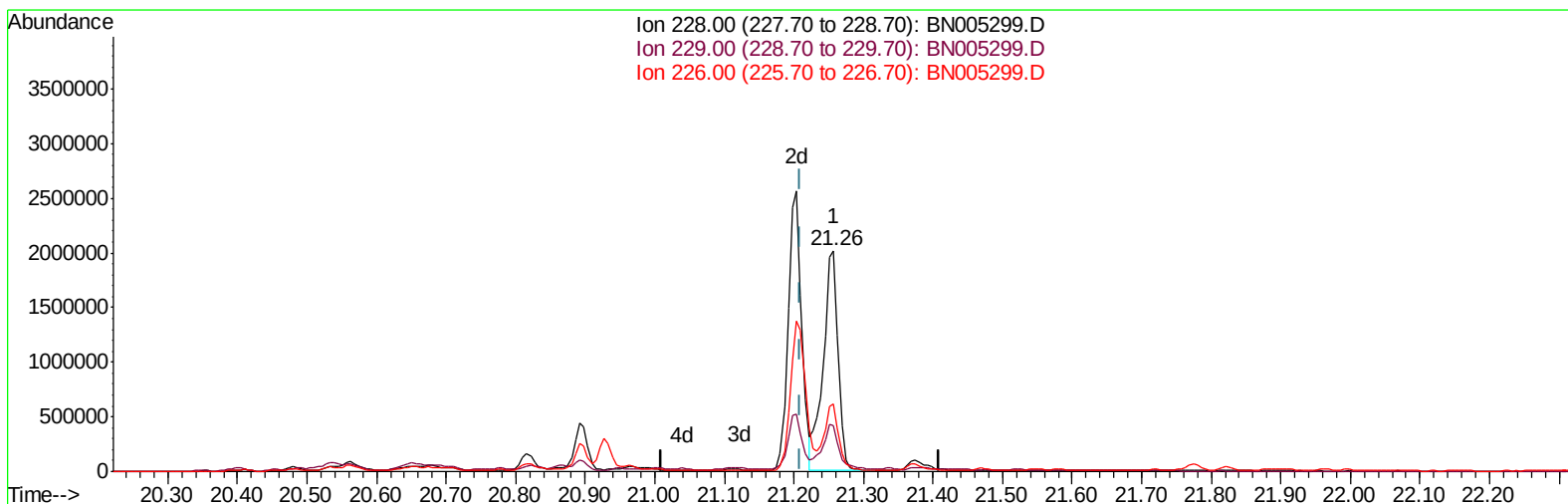
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM

Quant Time: Apr 26 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration



TIC: BN005299.D

(82) Benzo(a)anthracene
21.257min (+0.047) 16.54ng/ul
response 3000290

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.82
226.00	26.80	30.67
0.00	0.00	0.00

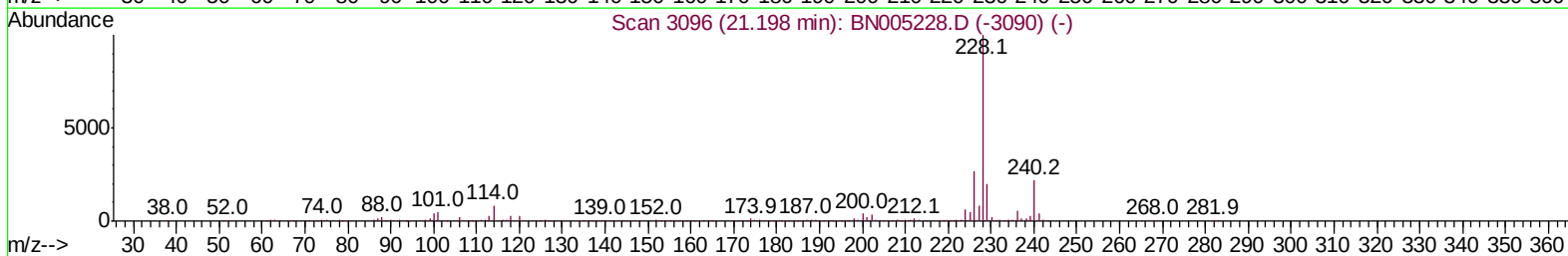
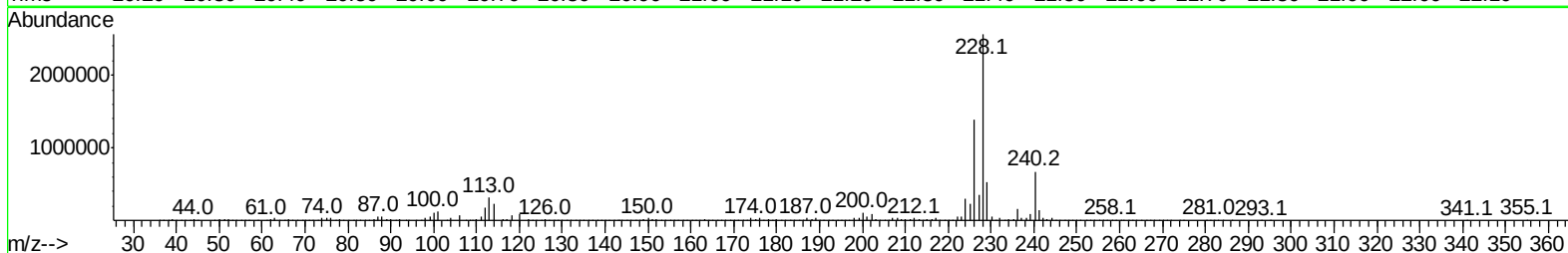
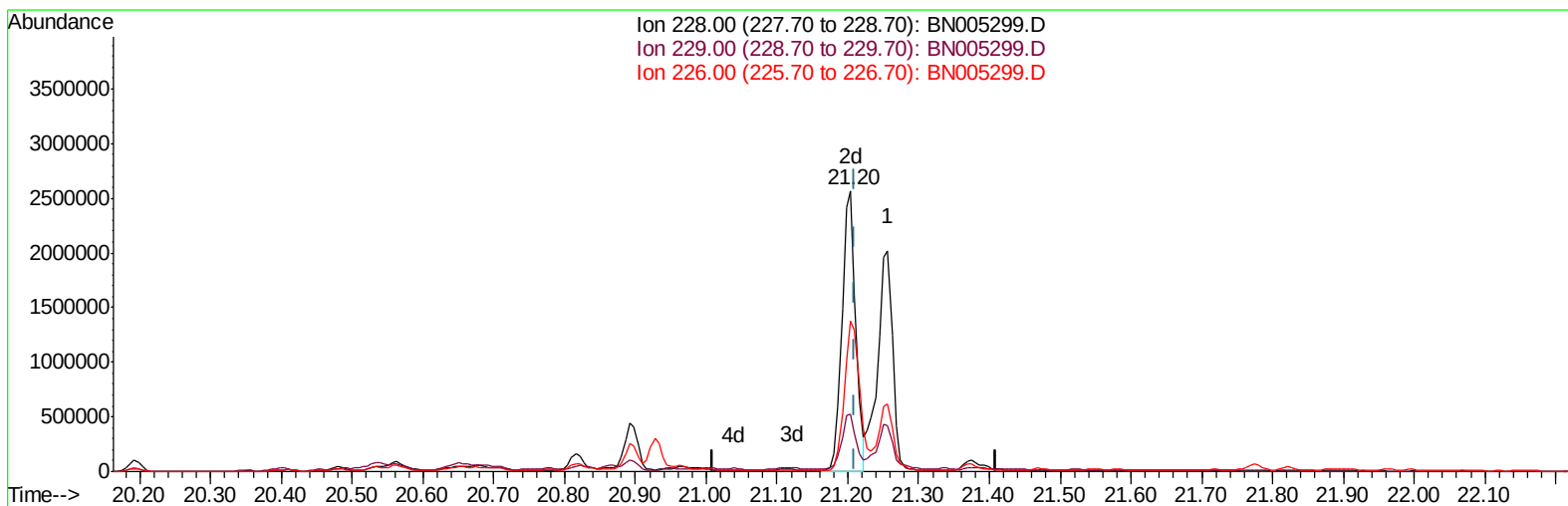
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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Response via : Initial Calibration



TIC: BN005299.D

(82) Benzo(a)anthracene

21.204min (-0.006) 19.18ng/ul m

response 3480661

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.55
226.00	26.80	53.81#
0.00	0.00	0.00

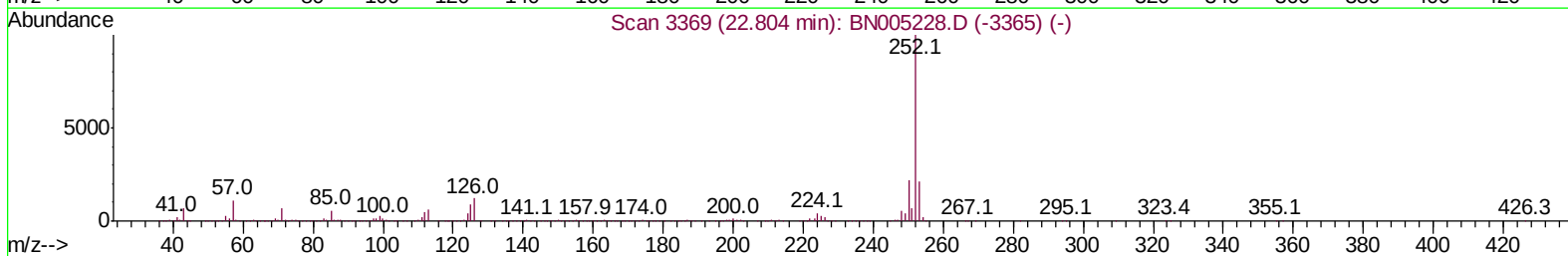
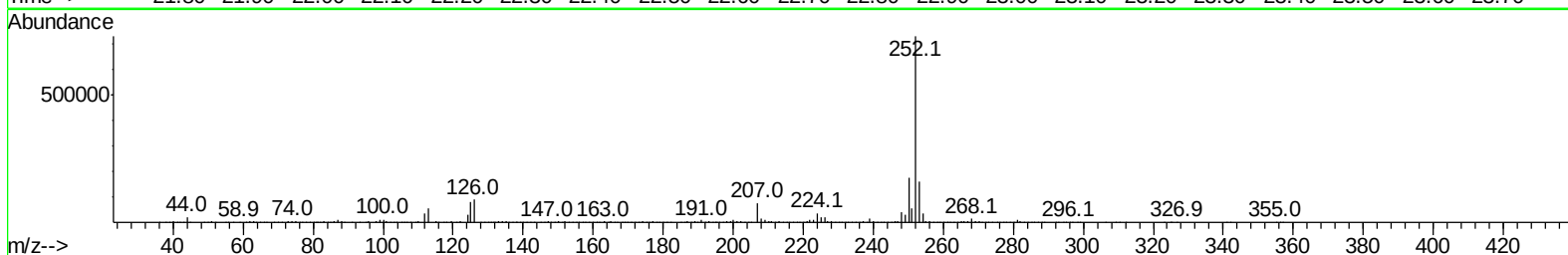
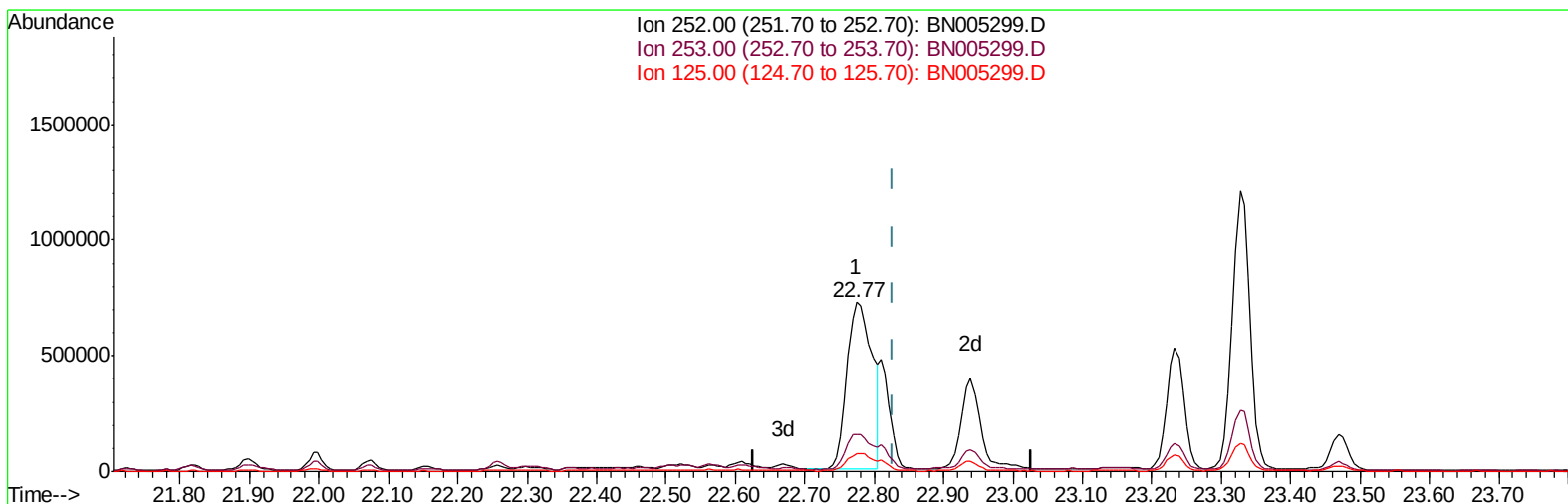
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAHW1

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration



TIC: BN005299.D

(88) Benzo(k)fluoranthene

22.774min (-0.053) 10.17ng/ul

response 1831240

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.04
125.00	9.40	10.89
0.00	0.00	0.00

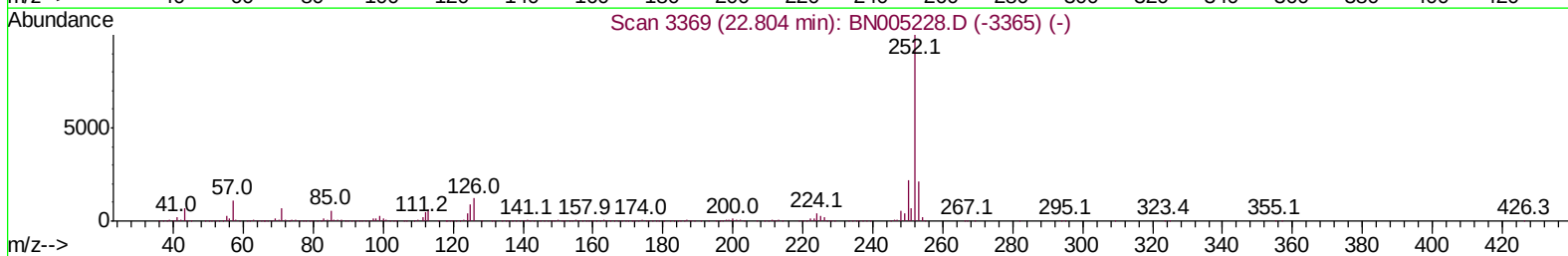
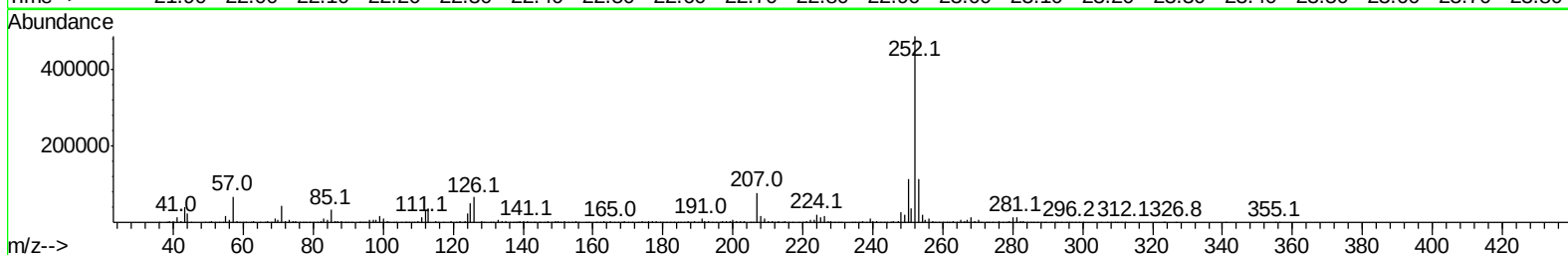
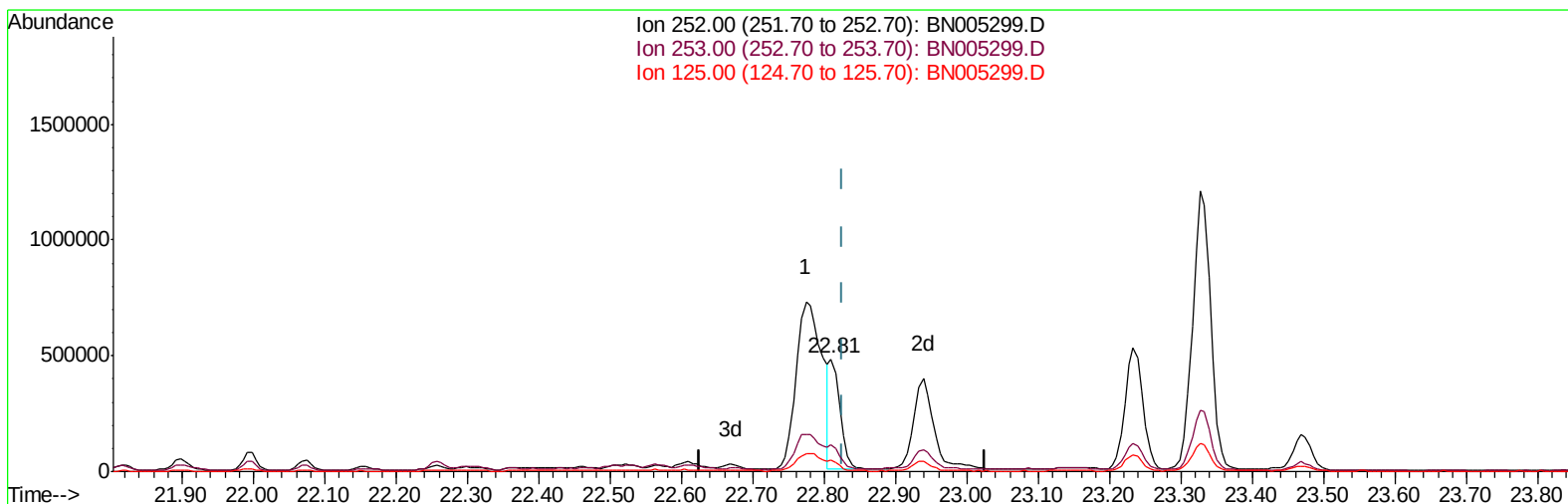
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
Data File : BN005299.D
Acq On : 26 Apr 2019 02:26
Operator : JU/SJ
Sample : K2481-06 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHW1

Quant Time: Apr 26 04:13:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:44 PM



TIC: BN005299.D

(88) Benzo(k)fluoranthene

22.810min (-0.017) 2.70ng/ul m

response 486093

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.66
125.00	9.40	10.26
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
 Data File : BN005299.D
 Acq On : 26 Apr 2019 02:26
 Operator : JU/SJ
 Sample : K2481-06 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHW1

Manual Integrations
 APPROVED

Sohil
 4/26/2019 6:21:44 PM

Quant Time: Apr 26 05:04:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	450648	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1958496	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1245493	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2847732	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2916362	20.00	ng/ul	-0.01
85) Perylene-d12	23.43	264	3353324	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2767m	0.30	ng/uL	0.00
5) Phenol-d5	6.78	99	50359	1.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	38612	1.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	41899	1.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	39022	1.41	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	32995	2.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	25436	2.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	43486	1.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	91088	3.15	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	206004	2.28	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	229610	2.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	26120	1.83	ng/ul	0.01
57) Fluorene-d10	15.23	176	179522	2.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	13516	1.06	ng/ul	0.00
70) Anthracene-d10	17.09	188	279373	2.34	ng/ul	0.00
78) Pyrene-d10	19.39	212	326431	2.19	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	337603	2.30	ng/ul	-0.02

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	22589381m	248.106	ng/ul
34) 2-Methylnaphthalene	12.04	142	23655543m	354.837	ng/ul
40) 1,1'-Biphenyl	13.06	154	2786507	30.027	ng/ul 99
47) Acenaphthylene	13.96	152	10583984	96.985	ng/ul# 95
49) Acenaphthene	14.29	153	990910	13.300	ng/ul 100
53) Dibenzofuran	14.63	168	1398563	13.038	ng/ul 97
58) Fluorene	15.29	166	6094193	72.809	ng/ul 98
69) Phenanthrene	17.03	178	18139667m	130.794	ng/ul
71) Anthracene	17.12	178	5470429	38.720	ng/ul 99
76) Fluoranthene	19.06	202	5605820	36.441	ng/ul 100
79) Pyrene	19.43	202	8786753	46.794	ng/ul 99
82) Benzo(a)anthracene	21.20	228	3480661m	19.185	ng/ul
84) Chrysene	21.26	228	3001125	17.823	ng/ul 98
87) Benzo(b)fluoranthene	22.77	252	1831240	9.715	ng/ul 100
88) Benzo(k)fluoranthene	22.81	252	486093m	2.700	ng/ul
90) Benzo(a)pyrene	23.33	252	2140138	12.079	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.60	276	625107	3.191	ng/ul 98
92) Dibenzo(a,h)anthracene	25.61	278	222926	1.341	ng/ul 95
93) Benzo(g,h,i)perylene	26.26	276	534427	3.299	ng/ul 97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
 Data File : BN005299.D
 Acq On : 26 Apr 2019 02:26
 Operator : JU/SJ
 Sample : K2481-06 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sample ID :
 GAHW1

Manual Integrations
 APPROVED

Sohil
 4/26/2019 6:21:44 PM

Quant Time: Apr 26 05:04:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	450648	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1958496	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1245493	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2847732	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2916362	20.00	ng/ul	-0.01
85) Perylene-d12	23.43	264	3353324	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2767m	0.30	ng/uL	0.00	SJ 04/30/19
5) Phenol-d5	6.78	99	50359	1.42	ng/ul	0.00	
7) Bis-(2-Chloroethyl) ether-d	6.94	67	38612	1.75	ng/ul	0.00	
9) 2-Chlorophenol-d4	7.13	132	41899	1.55	ng/ul	0.00	
13) 4-Methylphenol-d8	8.29	113	39022	1.41	ng/ul	0.00	
19) Nitrobenzene-d5	8.73	128	32995	2.74	ng/ul	0.00	
22) 2-Nitrophenol-d4	9.45	143	25436	2.08	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	9.98	165	43486	1.55	ng/ul	0.00	
29) 4-Chloroaniline-d4	10.48	131	91088	3.15	ng/ul	-0.02	
43) Dimethylphthalate-d6	13.65	166	206004	2.28	ng/ul	0.00	
46) Acenaphthylene-d8	13.92	160	229610	2.07	ng/ul	0.00	
51) 4-Nitrophenol-d4	14.45	143	26120	1.83	ng/ul	0.01	
57) Fluorene-d10	15.23	176	179522	2.37	ng/ul	0.00	
62) 4,6-Dinitro-2-methylphenol	15.36	200	13516	1.06	ng/ul	0.00	
70) Anthracene-d10	17.09	188	279373	2.34	ng/ul	0.00	
78) Pyrene-d10	19.39	212	326431	2.19	ng/ul	0.00	
89) Benzo(a)pyrene-d12	23.29	264	337603	2.30	ng/ul	-0.02	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.41	128	22589381m	248.106	ng/ul	SJ 04/30/19
34) 2-Methylnaphthalene	12.04	142	23655543m	354.837	ng/ul	SJ 04/30/19
40) 1,1'-Biphenyl	13.06	154	2786507	30.027	ng/ul	99
47) Acenaphthylene	13.96	152	10583984	96.985	ng/ul#	95
49) Acenaphthene	14.29	153	990910	13.300	ng/ul	100
53) Dibenzofuran	14.63	168	1398563	13.038	ng/ul	97
58) Fluorene	15.29	166	6094193	72.809	ng/ul	98
69) Phenanthrene	17.03	178	18139667m	130.794	ng/ul	SJ 04/30/19
71) Anthracene	17.12	178	5470429	38.720	ng/ul	99
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