

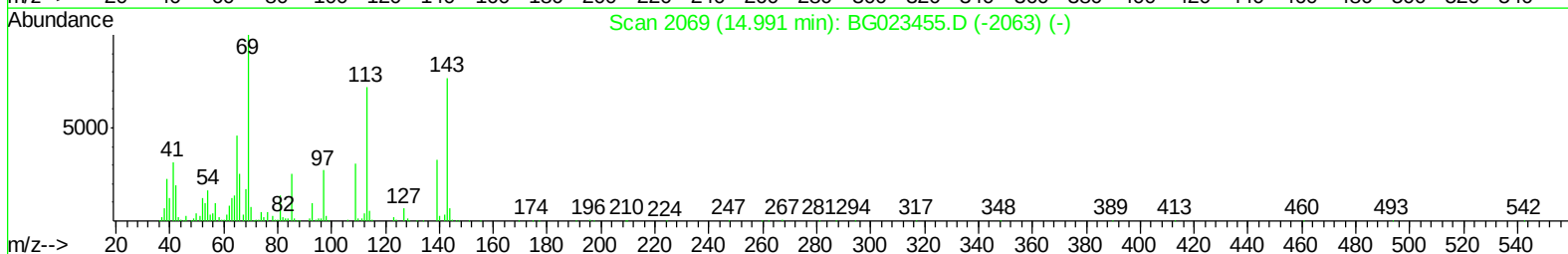
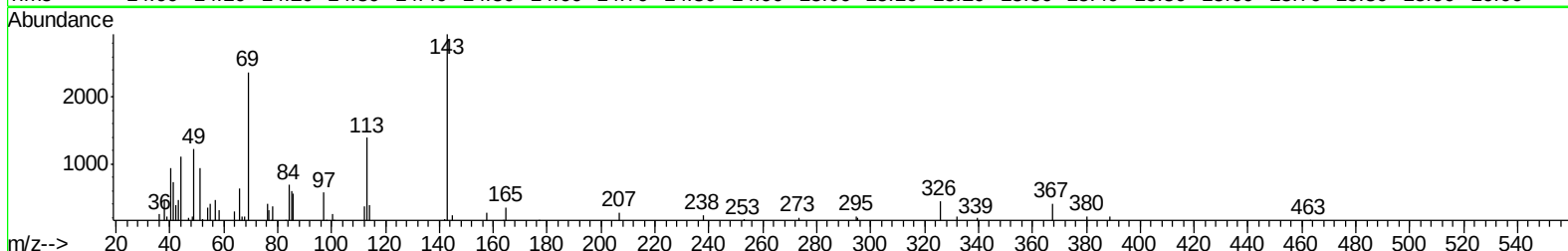
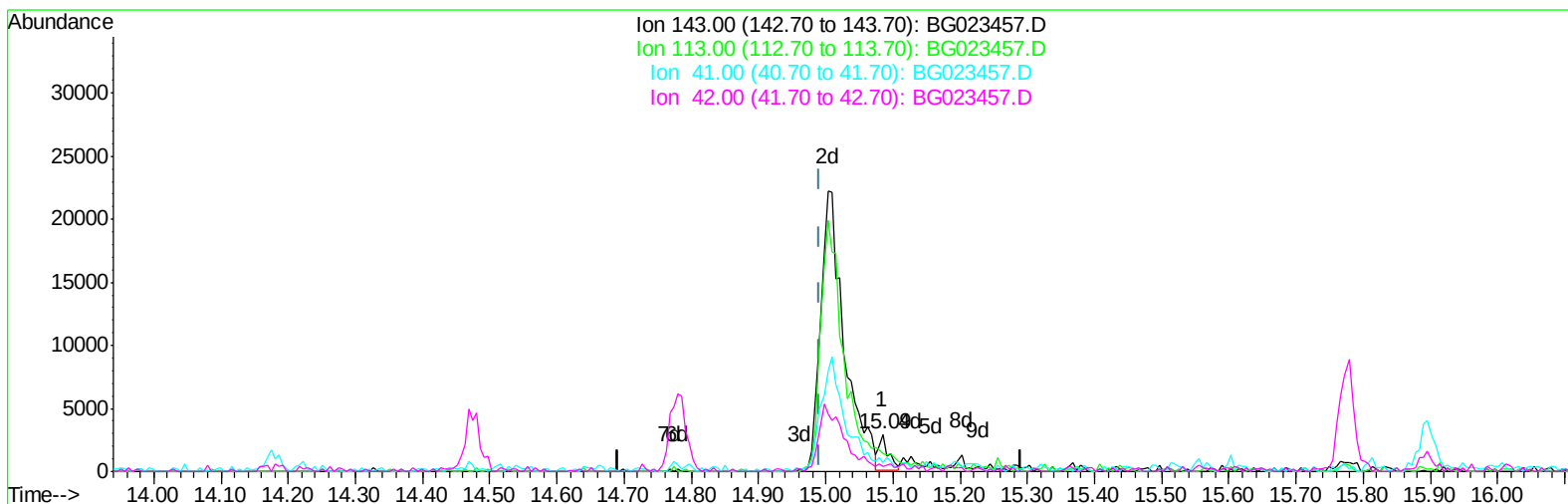
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023457.D
Acq On : 4 Aug 2016 18:27
Operator : UM/SJ
Sample : H4208-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDJJ1

Quant Time: Aug 05 02:32:06 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 05 02:31:20 2016
Response via : Initial Calibration

Manual Integrations
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TIC: BG023457.D

(51) 4-Nitrophenol-d4 (S)
15.085min (+0.094) 0.60ng/ul

response 2937

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	47.23
41.00	26.90	24.52
42.00	16.10	13.16

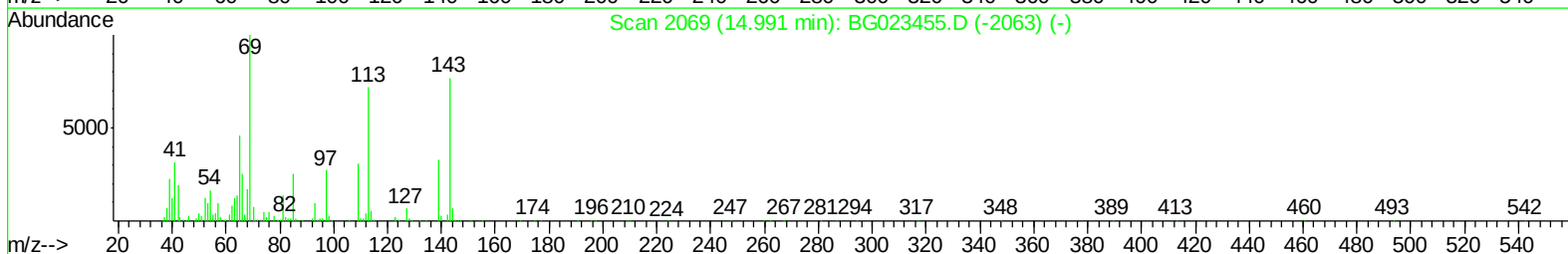
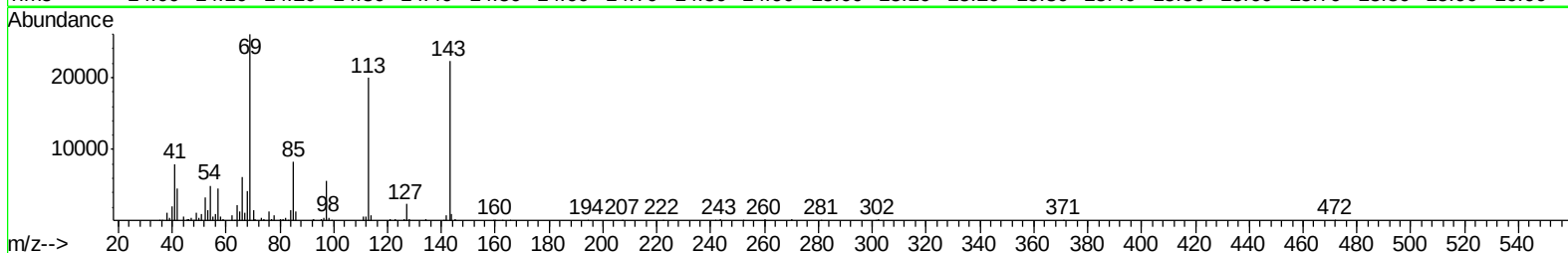
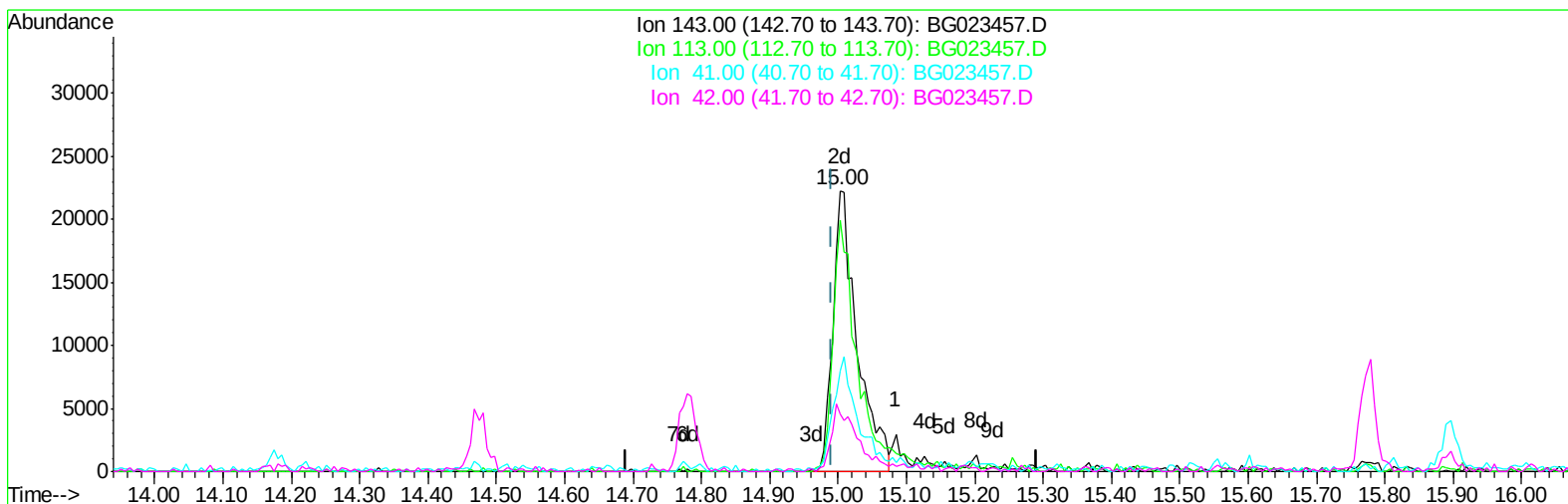
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023457.D
Acq On : 4 Aug 2016 18:27
Operator : UM/SJ
Sample : H4208-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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TIC: BG023457.D

(51) 4-Nitrophenol-d4 (S)

15.003min (+0.012) 11.24ng/ul m

response 54887

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	89.72#
41.00	26.90	35.80#
42.00	16.10	20.36#

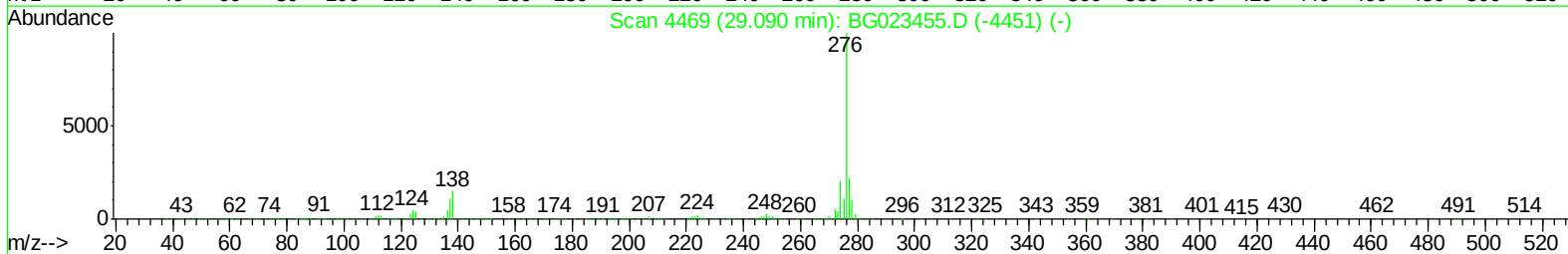
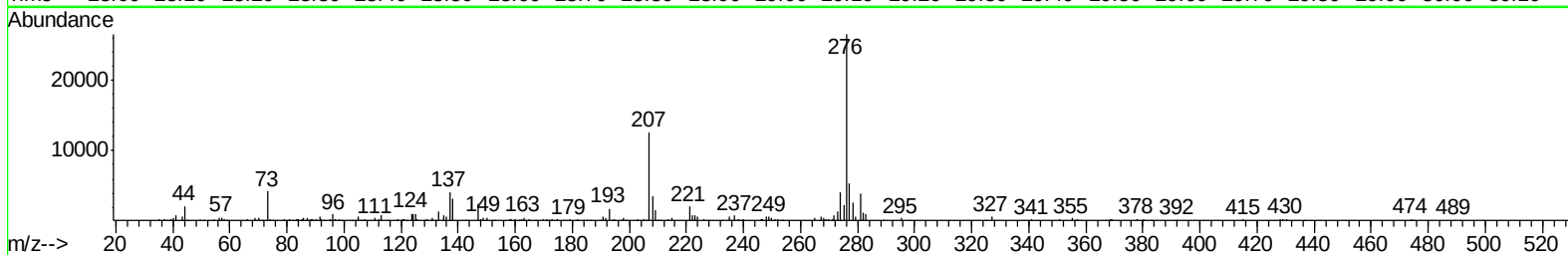
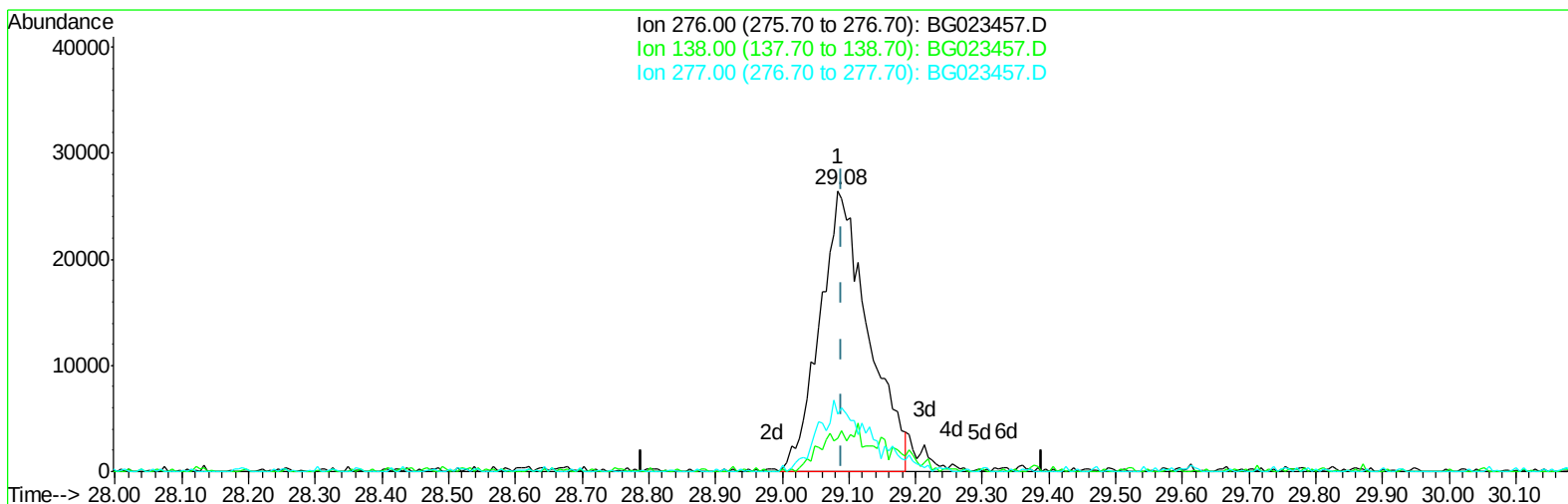
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023457.D
Acq On : 4 Aug 2016 18:27
Operator : UM/SJ
Sample : H4208-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDJJ1

Manual Integrations
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Quant Time: Aug 05 02:32:06 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
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TIC: BG023457.D

(89) Indeno(1,2,3-cd)pyrene

29.084min (-0.006) 2.14ng/ul

response 132725

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	11.94#
277.00	22.00	20.29
0.00	0.00	0.00

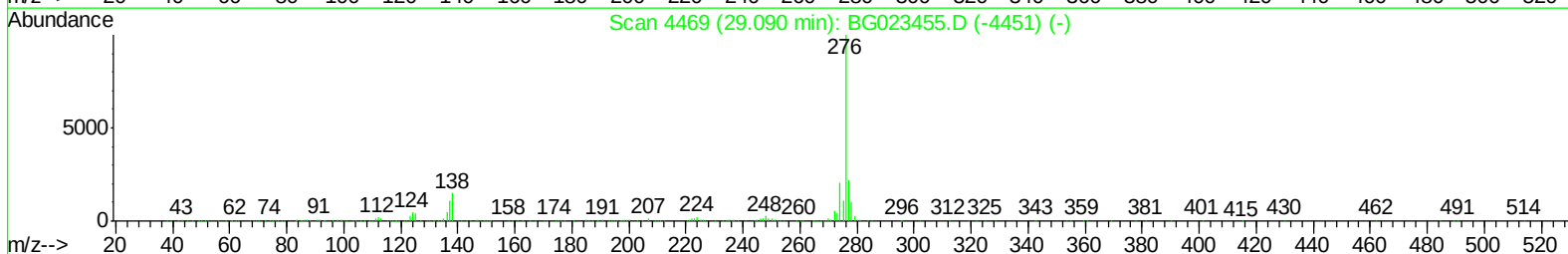
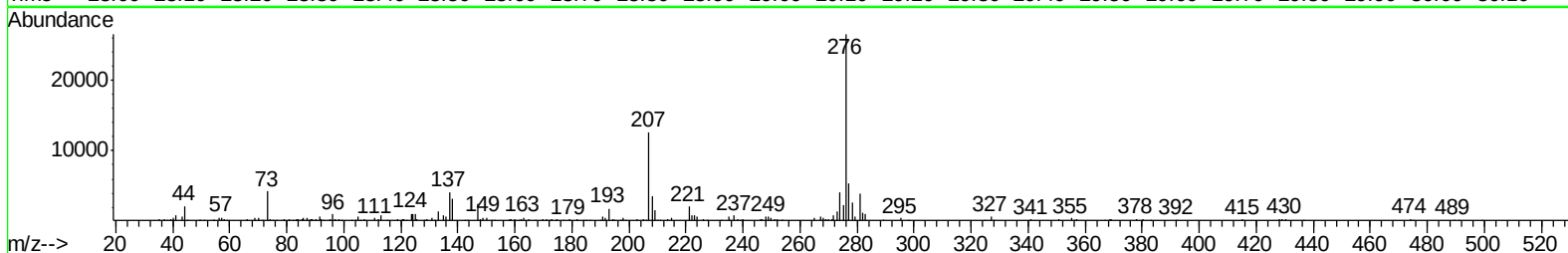
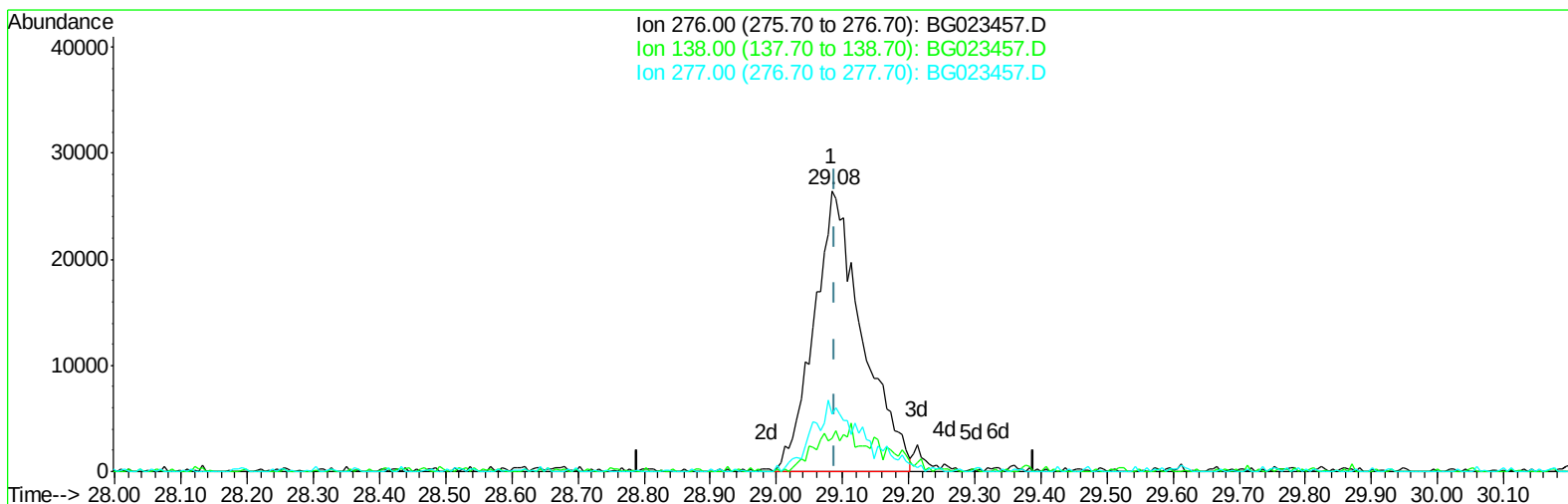
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023457.D
Acq On : 4 Aug 2016 18:27
Operator : UM/SJ
Sample : H4208-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDJJ1

Manual Integrations
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TIC: BG023457.D

(89) Indeno(1,2,3-cd)pyrene

29.084min (-0.006) 2.18ng/ul m

response 135118

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	11.94#
277.00	22.00	20.29
0.00	0.00	0.00

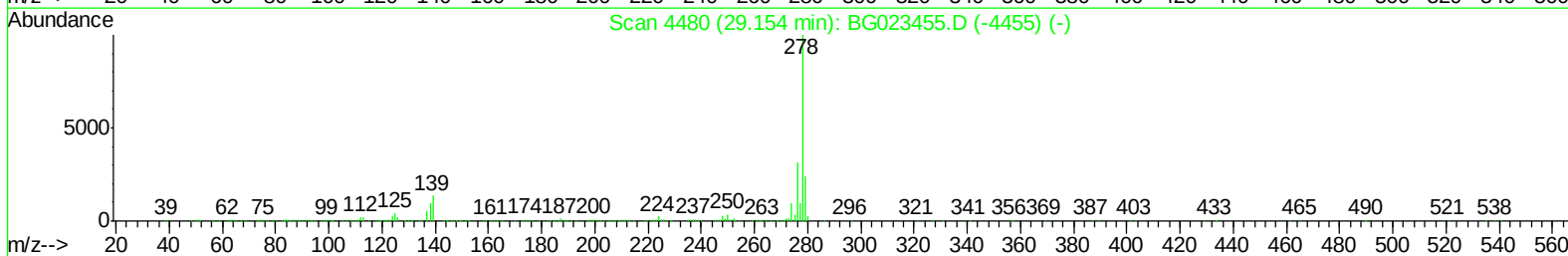
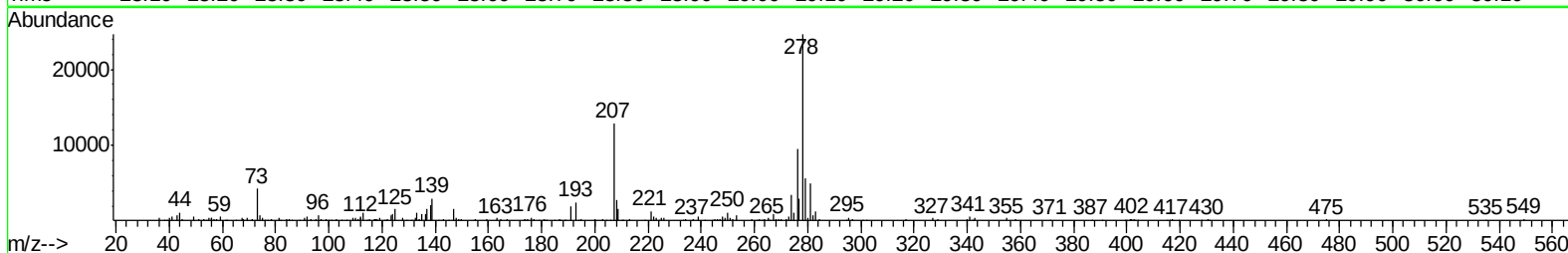
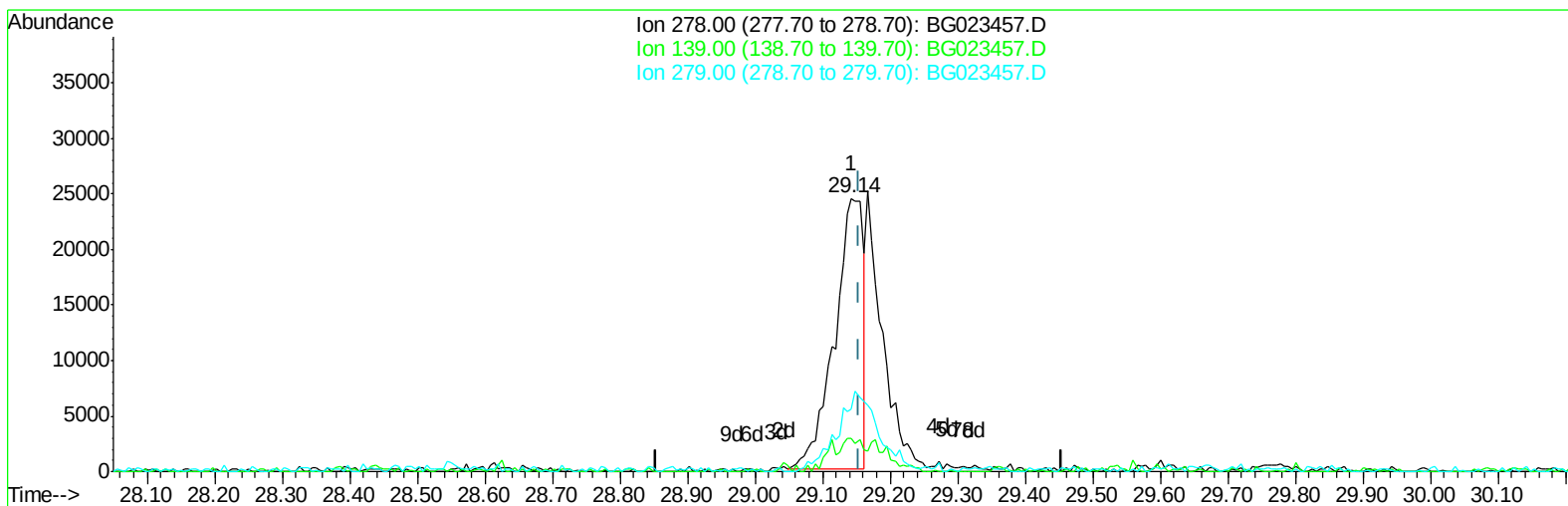
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023457.D
Acq On : 4 Aug 2016 18:27
Operator : UM/SJ
Sample : H4208-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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Quant Time: Aug 05 02:32:06 2016
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Response via : Initial Calibration



TIC: BG023457.D

(90) Dibenzo(a,h)anthracene

29.143min (-0.012) 1.34ng/ul

response 70742

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	12.25#
279.00	23.90	22.83
0.00	0.00	0.00

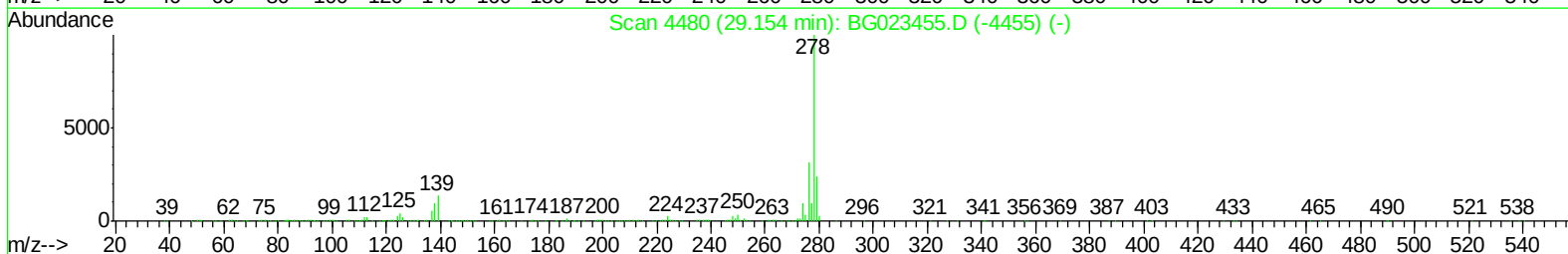
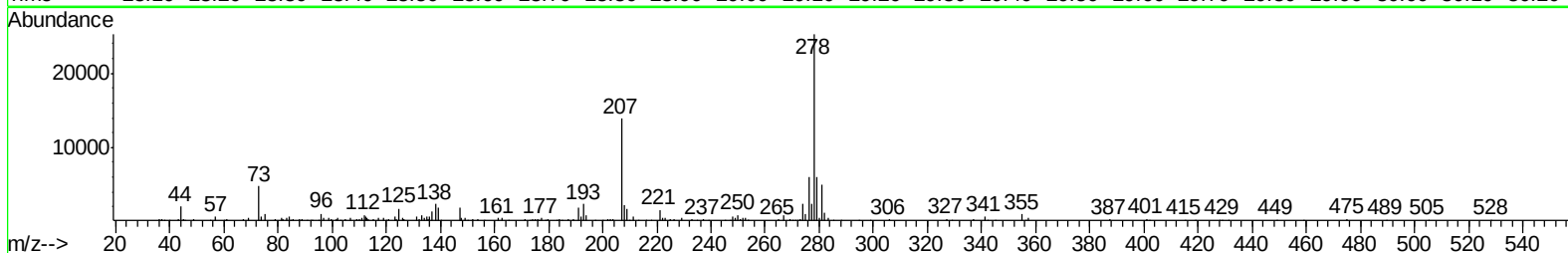
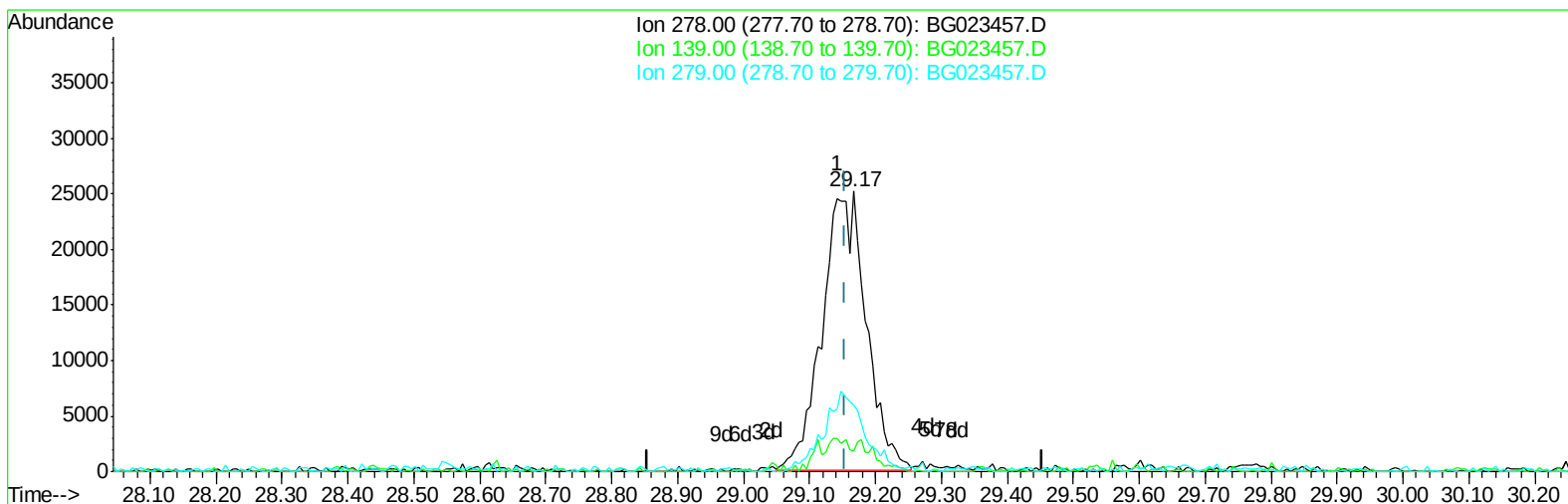
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023457.D
Acq On : 4 Aug 2016 18:27
Operator : UM/SJ
Sample : H4208-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDJJ1

Manual Integrations
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Quant Time: Aug 05 02:32:06 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 05 02:31:20 2016
Response via : Initial Calibration



TIC: BG023457.D

(90) Dibenzo(a,h)anthracene

29.166min (+0.012) 2.17ng/ul m

response 114704

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	7.49#
279.00	23.90	23.78
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
 Data File : BG023457.D
 Acq On : 4 Aug 2016 18:27
 Operator : UM/SJ
 Sample : H4208-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDJJ1

Manual Integrations
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Quant Time: Aug 05 03:15:00 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 05 02:31:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	85153	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	424693	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	349513	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	969530	20.00	ng/ul	0.00
75) Chrysene-d12	21.86	240	970189	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	959508	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	4325	2.16	ng/uL	0.00
5) Phenol-d5	7.27	99	166570	19.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	117380	21.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.65	132	118751	20.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	132530	19.79	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	63986	19.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	69850	18.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	135850	18.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	177982	20.92	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	595959	20.83	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	641920	19.93	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	54887m	11.24	ng/ul	0.01
57) Fluorene-d10	15.78	176	559128	21.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	66342	10.67	ng/ul	0.00
70) Anthracene-d10	17.64	188	959436	21.96	ng/ul	0.00
76) Pyrene-d10	19.93	212	1123744	22.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	972001	22.38	ng/ul	0.00

Target Compounds

						Ovalue
44) Dimethylphthalate	14.22	163	332714	11.74	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.08	276	135118m	2.18	ng/ul	
90) Dibenzo(a,h)anthracene	29.17	278	114704m	2.17	ng/ul	
91) Benzo(a,h,i)perylene	30.29	276	152378	2.97	ng/ul#	78

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

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Manual Integrations
APPROVED

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Quant Time: Aug 05 03:15:00 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
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