

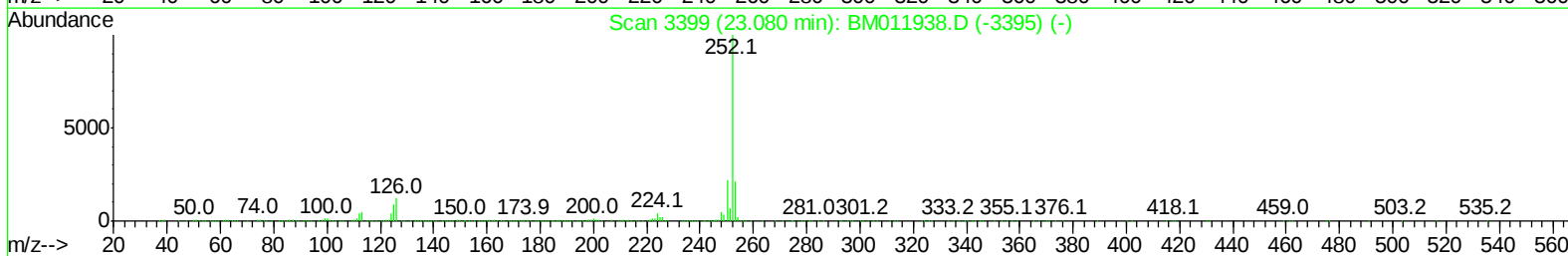
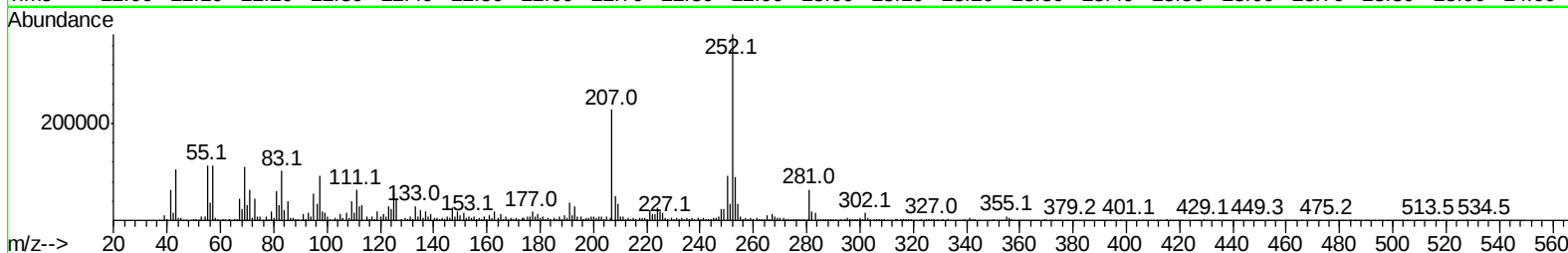
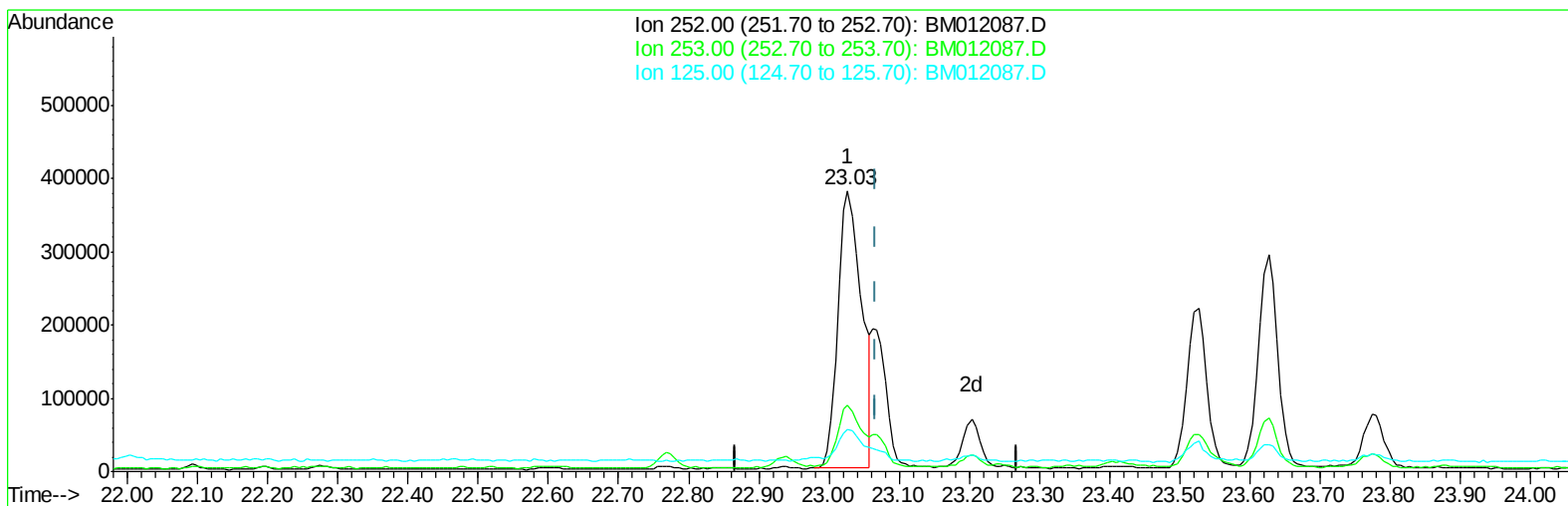
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012087.D
Acq On : 12 Oct 2017 02:25
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/13/2017 12:09:28 PM

Quant Time: Oct 12 04:28:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 04:22:15 2017
Response via : Initial Calibration



TIC: BM012087.D

(86) Benzo(k)fluoranthene

23.027min (-0.041) 10.53ng/ul

response 875805

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.49
125.00	4.30	14.91#
0.00	0.00	0.00

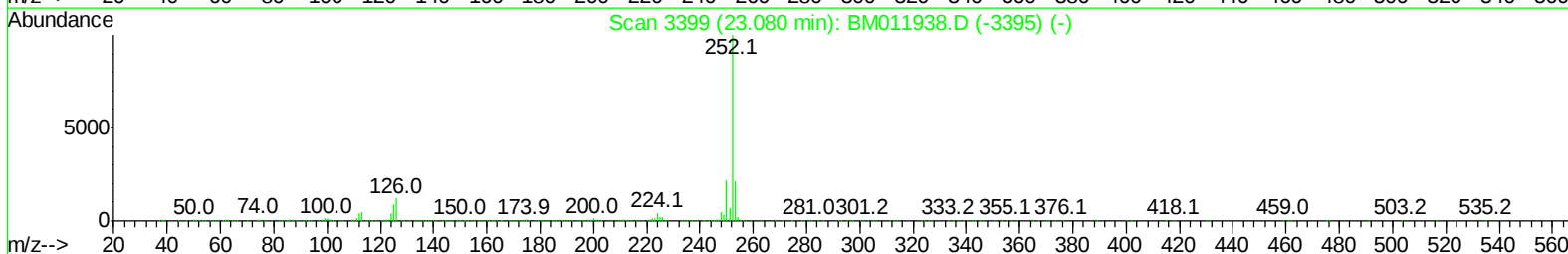
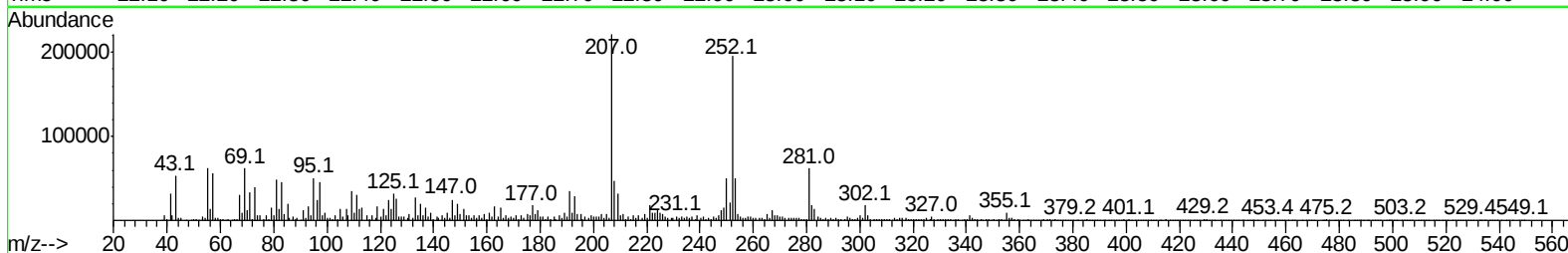
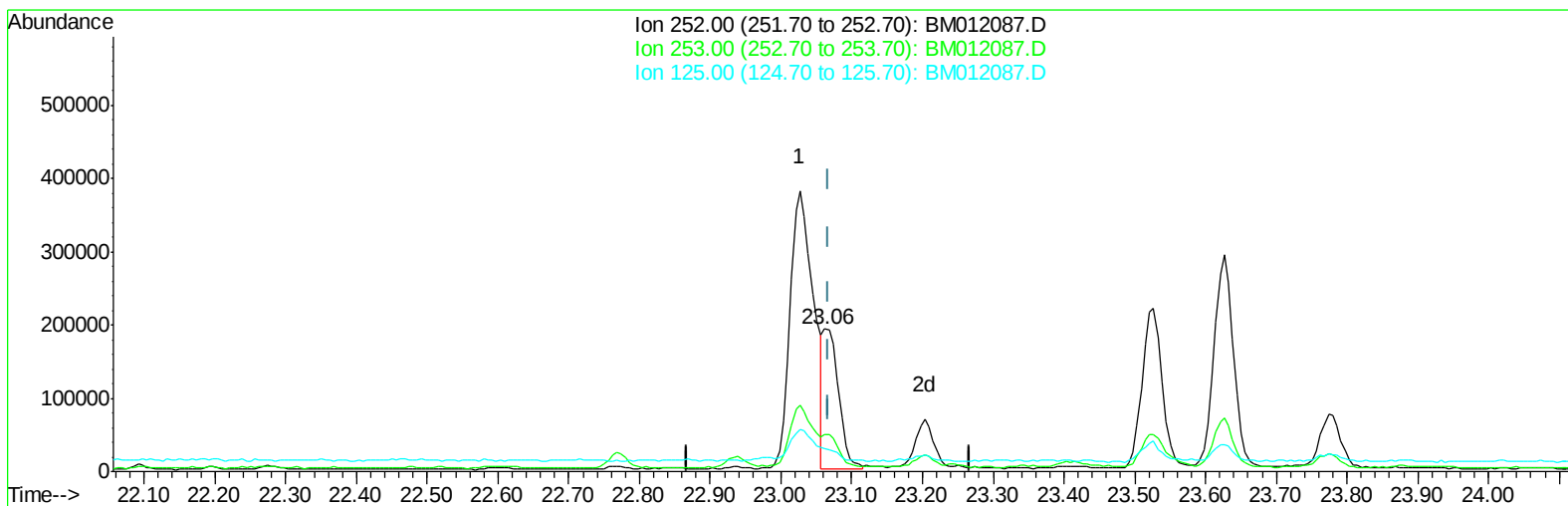
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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Sample : I5649-05MSD
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TIC: BM012087.D

(86) Benzo(k)fluoranthene

23.062min (-0.006) 3.40ng/ul m

response 283079

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	26.11#
125.00	4.30	16.22#
0.00	0.00	0.00

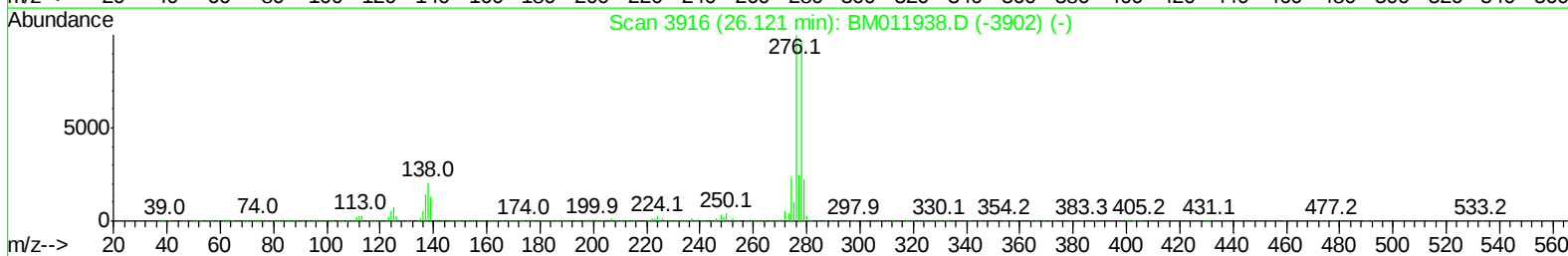
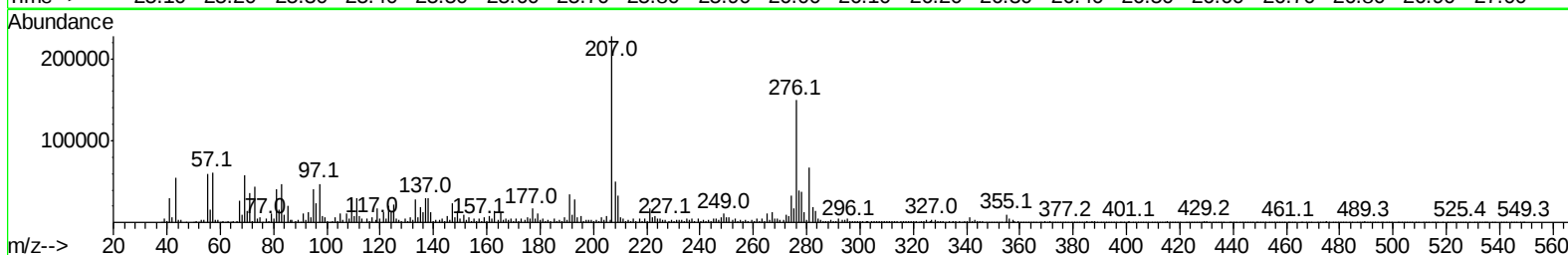
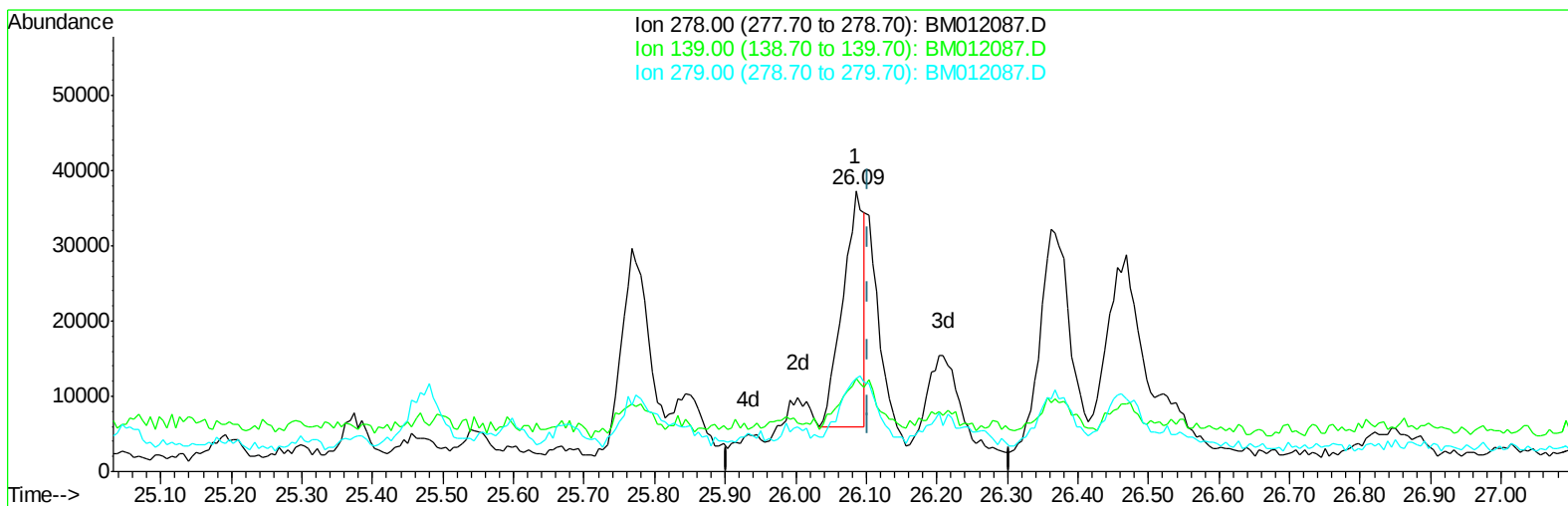
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012087.D
Acq On : 12 Oct 2017 02:25
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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10/13/2017 12:09:28 PM

Quant Time: Oct 12 04:28:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 04:22:15 2017
Response via : Initial Calibration



TIC: BM012087.D

(90) Dibenzo(a,h)anthracene

26.085min (-0.018) 0.95ng/ul

response 66870

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	33.23#
279.00	23.20	32.99#
0.00	0.00	0.00

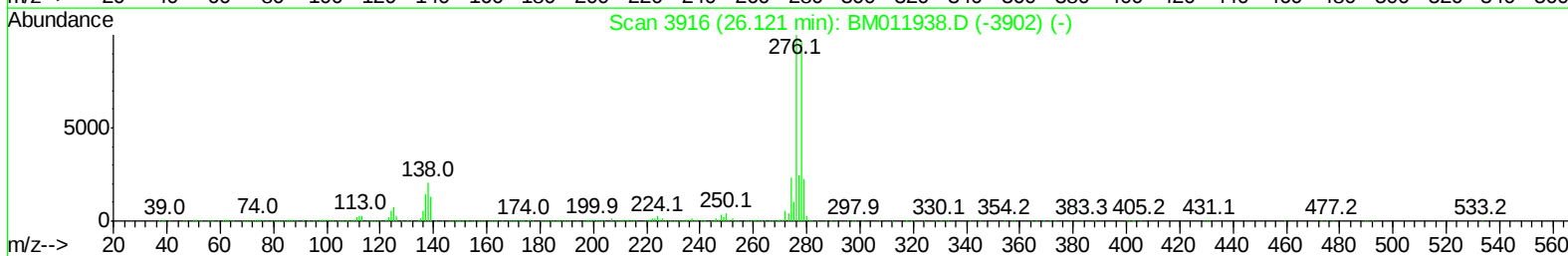
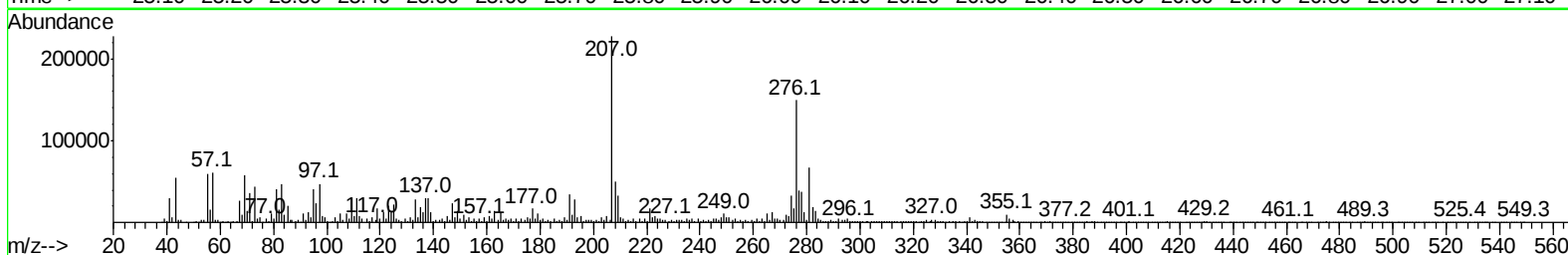
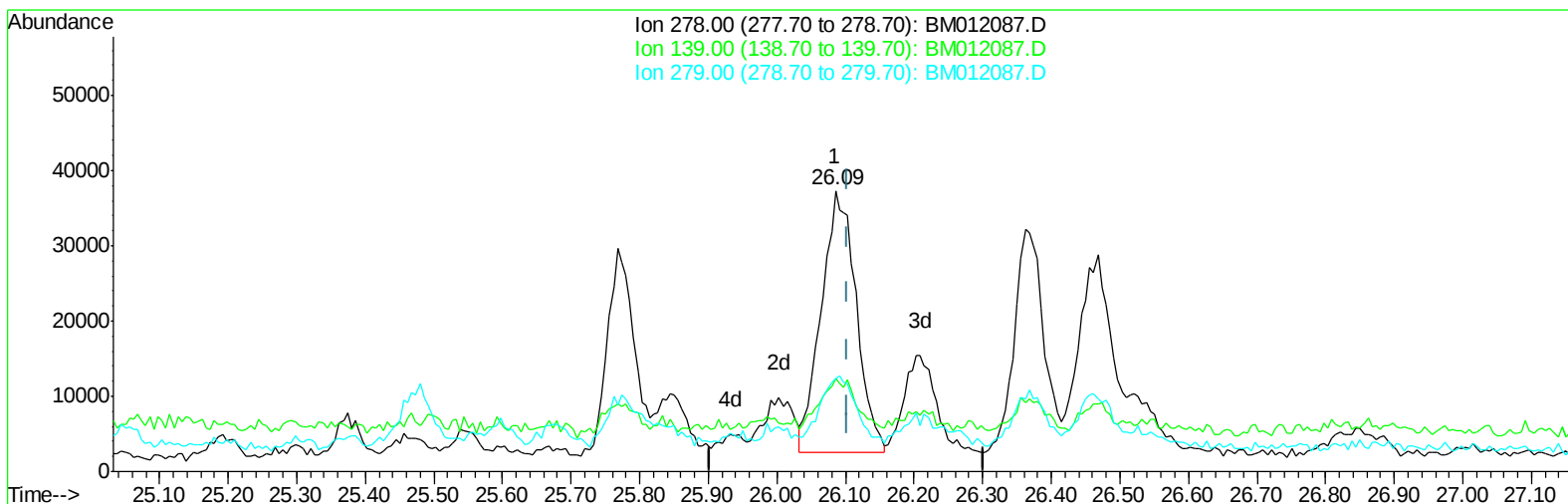
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012087.D
Acq On : 12 Oct 2017 02:25
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/13/2017 12:09:28 PM

Quant Time: Oct 12 06:27:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 04:22:15 2017
Response via : Initial Calibration



TIC: BM012087.D

(90) Dibenzo(a,h)anthracene

26.085min (-0.018) 1.73ng/ul m

response 121980

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	33.23#
279.00	23.20	32.99#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
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 Acq On : 12 Oct 2017 02:25
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 Sample : I5649-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
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 B-59(FILL)-100317MSD

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:09:28 PM

Quant Time: Oct 12 06:28:02 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 04:22:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	290285	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1220233	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	728950	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1582268	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1349590	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1370799	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	15291	2.49	ng/uL	0.00
5) Phenol-d5	7.00	99	309289	12.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	190031	12.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	267307	13.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	262084	12.14	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	129370	14.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	146747	14.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	289165	14.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	234043	10.84	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	957027	15.15	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1140866	15.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	101757	9.22	ng/ul	0.00
57) Fluorene-d10	15.48	176	800152	14.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	53520	5.03	ng/ul	0.00
70) Anthracene-d10	17.33	188	1169907	15.00	ng/ul	0.00
76) Pyrene-d10	19.62	212	1171013	19.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1010520	15.32	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.03	94	348738	14.111	ng/ul#	85
10) 2-Chlorophenol	7.40	128	282910	14.450	ng/ul	99
14) Acetophenone	8.67	105	44521	1.409	ng/ul	87
15) N-Nitroso-di-n-propylamine	8.65	70	196975	12.184	ng/ul#	71
33) 4-Chloro-3-methylphenol	11.93	107	322642	15.551	ng/ul	93
44) Dimethylphthalate	13.94	163	324362	5.337	ng/ul	99
49) Acenaphthene	14.55	153	681670	13.685	ng/ul	100
52) 4-Nitrophenol	14.71	109	97611	11.065	ng/ul#	77
54) 2,4-Dinitrotoluene	14.86	165	215810	12.737	ng/ul#	83
68) Pentachlorophenol	16.89	266	158321	12.701	ng/ul	97
69) Phenanthrene	17.27	178	613193	7.045	ng/ul	99
71) Anthracene	17.37	178	144411	1.631	ng/ul	98
74) Fluoranthene	19.29	202	1434769	13.511	ng/ul#	93
77) Pyrene	19.66	202	2422269	32.370	ng/ul#	91
80) Benzo(a)anthracene	21.39	228	655004	8.472	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.30	149	57336	1.315	ng/ul	97
82) Chrysene	21.44	228	640472	8.719	ng/ul	95
85) Benzo(b)fluoranthene	23.03	252	875805	10.511	ng/ul#	93
86) Benzo(k)fluoranthene	23.06	252	283079m	3.403	ng/ul	
88) Benzo(a)pyrene	23.63	252	555585	6.939	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.09	276	449327	5.244	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.09	278	121980m	1.733	ng/ul	
91) Benzo(g,h,i)perylene	26.81	276	339122	4.785	ng/ul#	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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