LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.740	289	298	306	rBV2	44612	72324	0.19%	0.081%
2	5.257	376	386	394	rVB	67036	119385	0.31%	0.133%
3	5.593	436	443	449	rBV	142494	211344	0.55%	0.236%
4	6.057	515	522	529	rBV	71296	103924	0.27%	0.116%
5	6.740	631	638	651	rVB	130188	264207	0.69%	0.294%
6	6.898	658	665	677	rBV	588025	932932	2.44%	1.040%
7	7.087	689	697	707	rBV	644873	1052770	2.75%	1.173%
8	7.192	710	715	722	rVV	122100	188644	0.49%	0.210%
9	7.269	722	728	738	rVB	407735	652349	1.70%	0.727%
10	7.545	768	775	784	rBV	645215	1039143	2.71%	1.158%
11	7.651	788	793	800	rVB	57481	89251	0.23%	0.099%
12	7.910	832	837	844	rVB	31878	51836	0.14%	0.058%
13	8.075	859	865	875	rBV	276801	432120	1.13%	0.482%
14	8.263	889	897	909	rBV	440358	782203	2.04%	0.872%
15	8.392	913	919	928	rVB	121939	197648	0.52%	0.220%
16	8.704	965	972	983	rBV	759377	1257187	3.28%	1.401%
17	8.886	997	1003	1010	rVB	61183	96166	0.25%	0.107%
18	9.010	1012	1024	1031	rBV	128349	261311	0.68%	0.291%
19	9.416	1086	1093	1107	rBV	629049	1072770	2.80%	1.195%
20	9.716	1137	1144	1151	rBV4	34448	63825	0.17%	0.071%
21	9.951	1177	1184	1195	rBV	740680	1522519	3.98%	1.697%
22	10.322	1238	1247	1249	rBV	791910	1431467	3.74%	1.595%
23	10.386	1249	1258	1268	rVV	20354542	38285366	100.00%	42.664%
24	10.486	1268	1275	1284	rVB	1496103	2408562	6.29%	2.684%
25	11.880	1505	1512	1516	rBV	81779	139470	0.36%	0.155%
26	11.986	1522	1530	1541	rBV	2413542	3905872	10.20%	4.353%
27	12.110	1544	1551	1558	rVV	77134	156094	0.41%	0.174%
28	12.210	1558	1568	1582	rVB	1641464	2727692	7.12%	3.040%
29	13.022	1700	1706	1717	rBV	238821	423082	1.11%	0.471%
30	13.222	1734	1740	1743	rBV3	23645	40752	0.11%	0.045%
31	13.510	1782	1789	1794	rBV2	31375	54683	0.14%	0.061%
32	13.621	1802	1808	1825	rVB	1736955	2458476	6.42%	2.740%
33	13.886	1844	1853	1864	rBV	1999260	2988238	7.81%	3.330%
34	14.198	1899	1906	1914	rBV2	1261962	2027434	5.30%	2.259%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

35	14.357	1927	1933	1941	rBV2	20249	38719	0.10%	0.043%
36	14.468	1946	1952	1967	rBV6	29060	119638	0.31%	0.133%
37	14.610	1971	1976	1981	rVB	41254	63776	0.17%	0.071%
38	15.198	2070	2076	2083	rBV	2514451	3808026	9.95%	4.244%
39	15.345	2095	2101	2114	rBV	631338	1044822	2.73%	1.164%
40	15.445	2114	2118	2124	rVB3	30477	48173	0.13%	0.054%
41	15.933	2196	2201	2216	rBV2	175790	331076	0.86%	0.369%
42	16.957	2368	2375	2381	rBV	1542767	2147488	5.61%	2.393%
43	17.057	2385	2392	2406	rVB	2735782	3874603	10.12%	4.318%
44	17.868	2525	2530	2539	rBV4	30733	58511	0.15%	0.065%
45	19.162	2745	2750	2758	rBV8	26187	51391	0.13%	0.057%
46	19.362	2778	2784	2792	rBV	2706674	3837628	10.02%	4.276%
47	20.315	2943	2946	2951	rBV3	46632	65628	0.17%	0.073%
48	21.174	3086	3092	3103	rBV	1275326	1867708	4.88%	2.081%
49	23.209	3432	3438	3450	rVB	1700174	3177174	8.30%	3.541%
50	23.344	3455	3461	3471	rBV	826162	1692226	4.42%	1.886%

Sum of corrected areas: 89737633

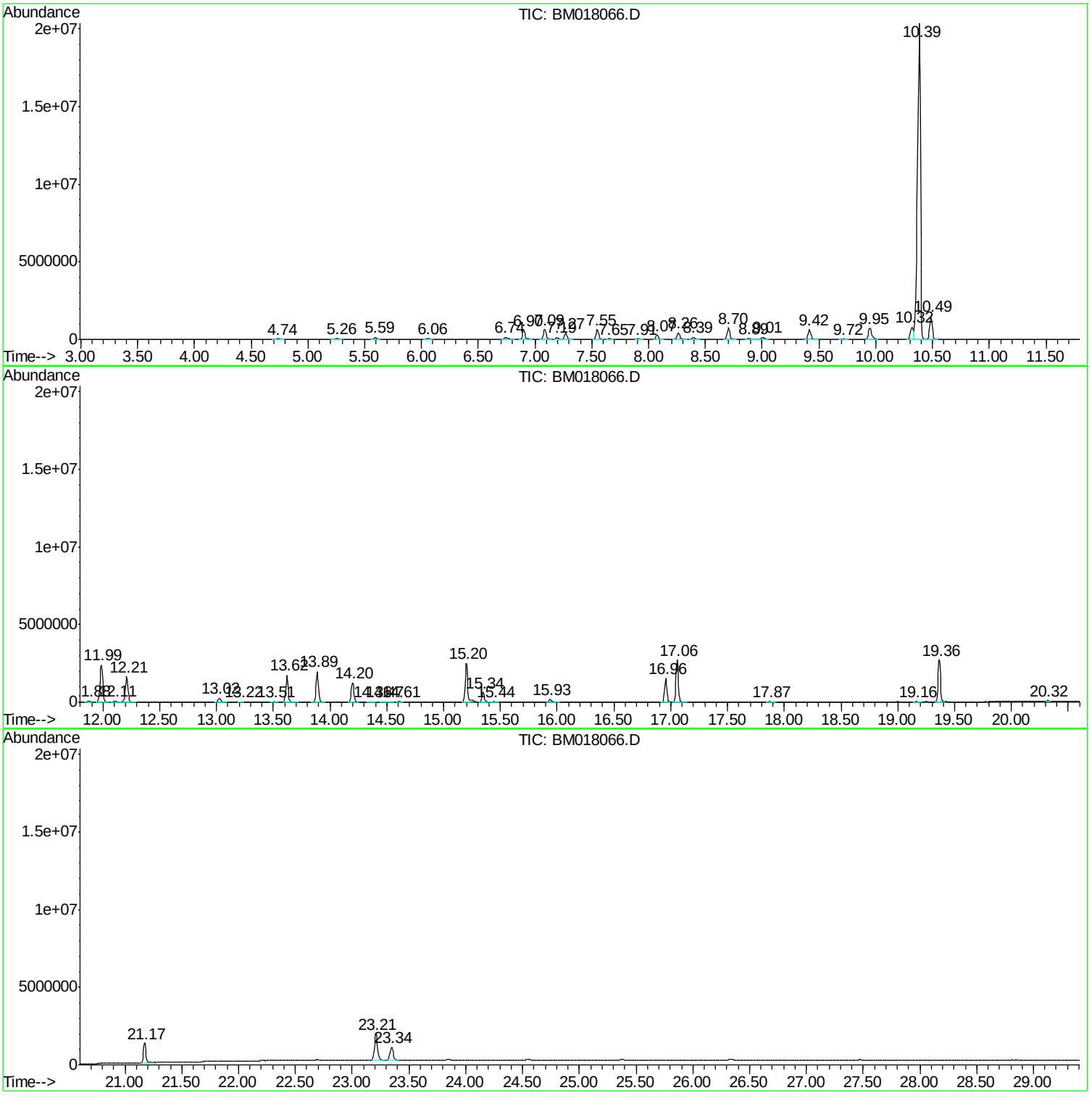
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

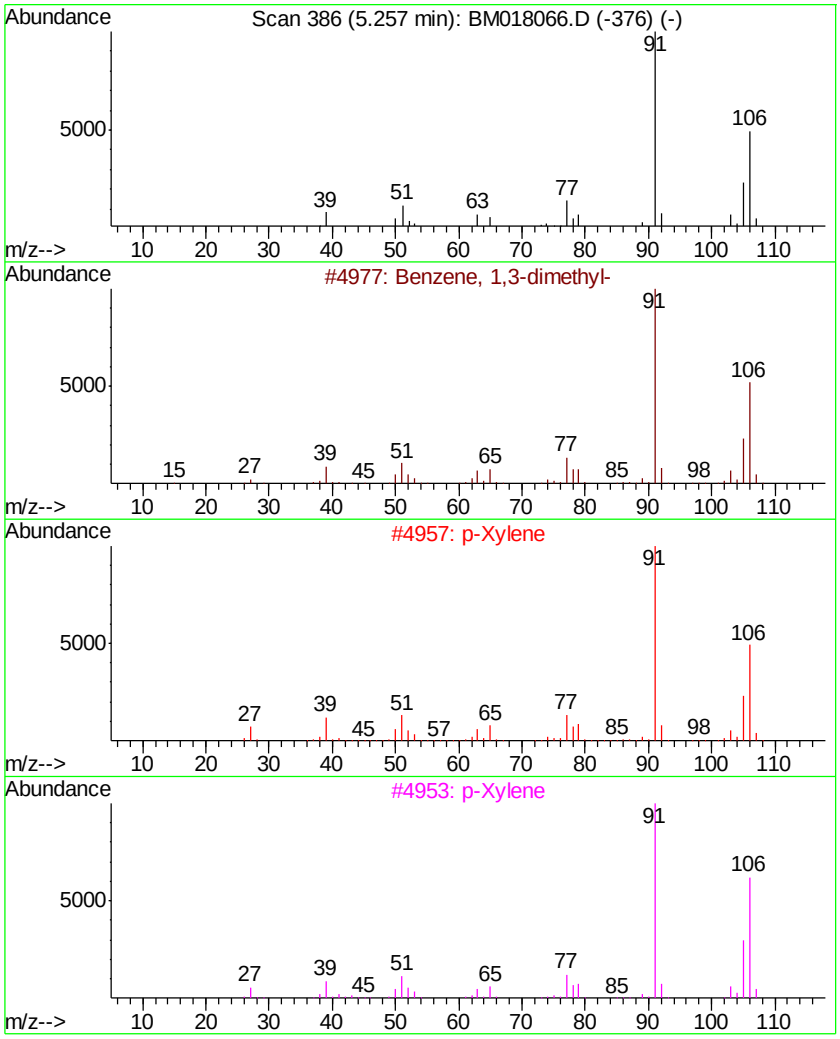
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

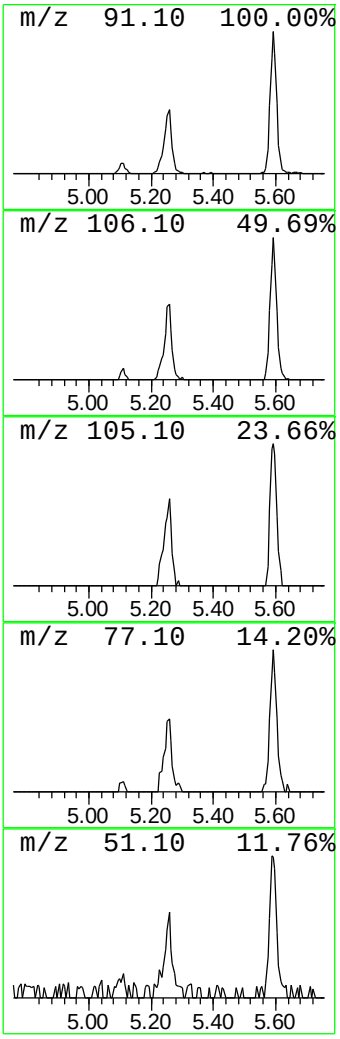
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	2.30 ng/ul	119385	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	p-Xylene	106	C8H10	000106-42-3	95
3	p-Xylene	106	C8H10	000106-42-3	94
4	p-Xylene	106	C8H10	000106-42-3	94
5	p-Xylene	106	C8H10	000106-42-3	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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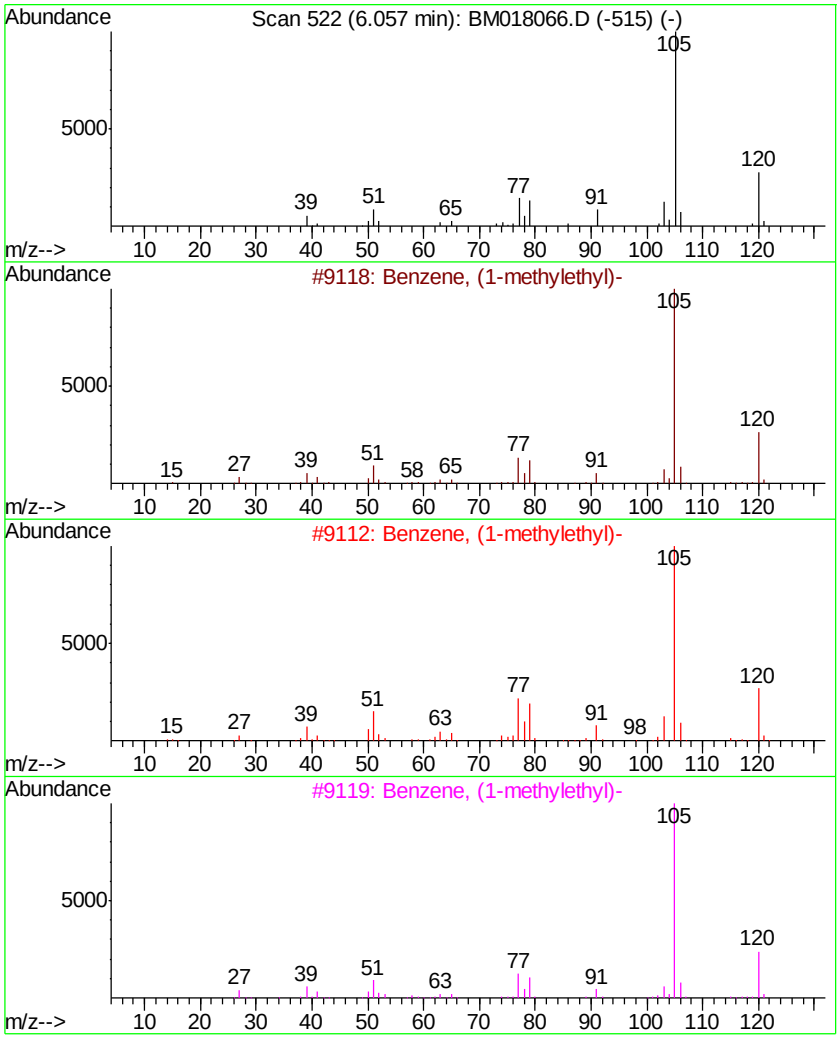
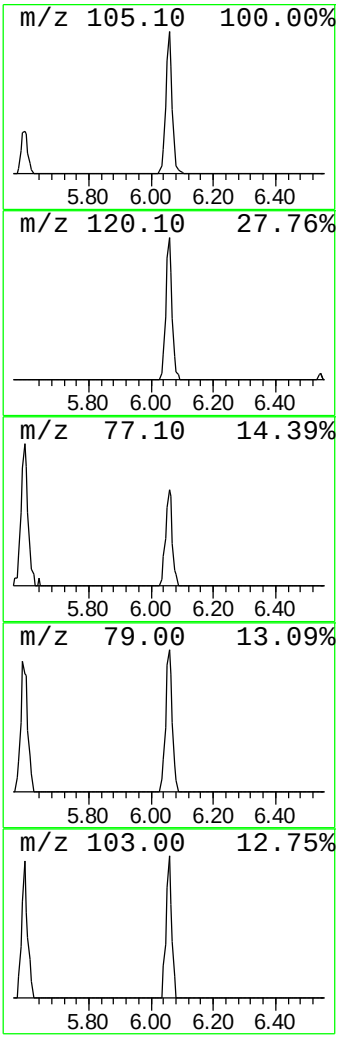
Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	2.00 ng/ul	103924	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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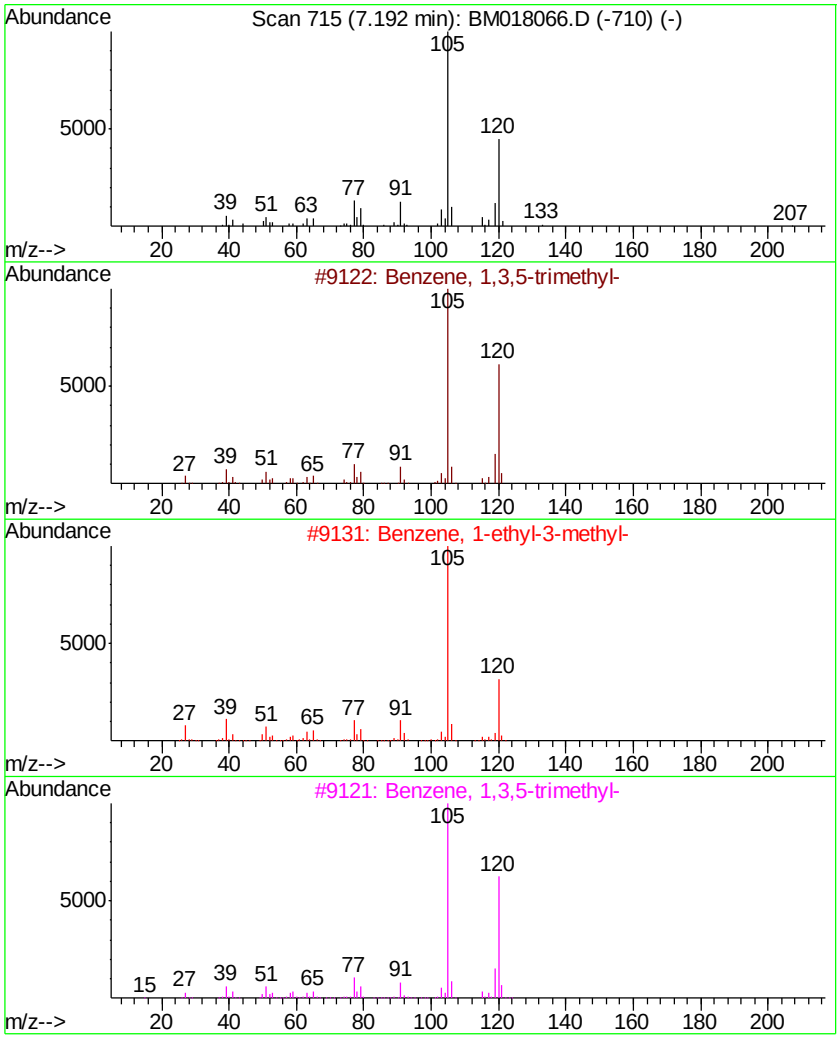
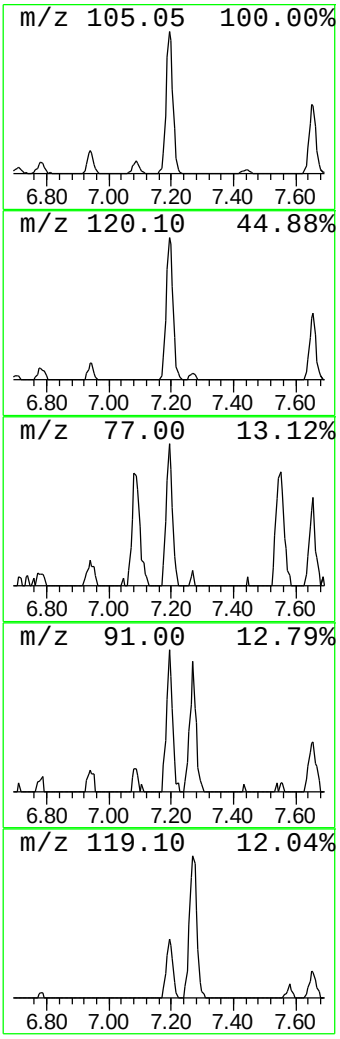
Peak Number 4 Benzene, 1,3,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	3.63 ng/ul	188644	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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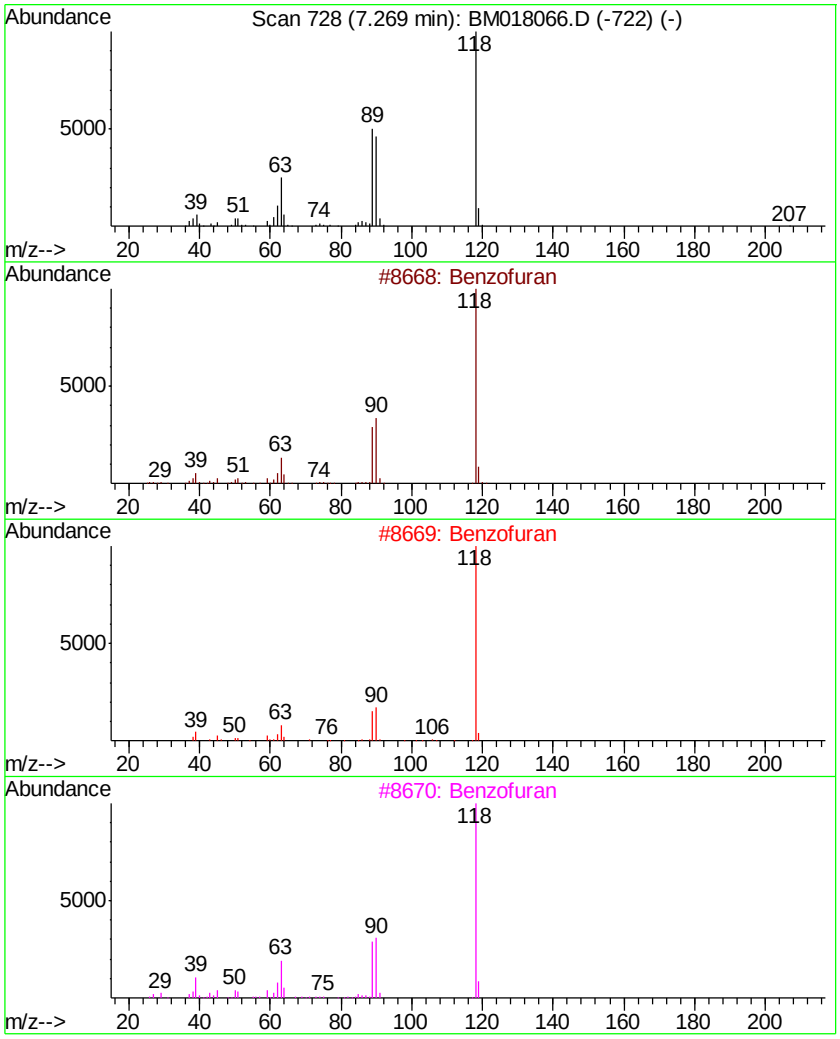
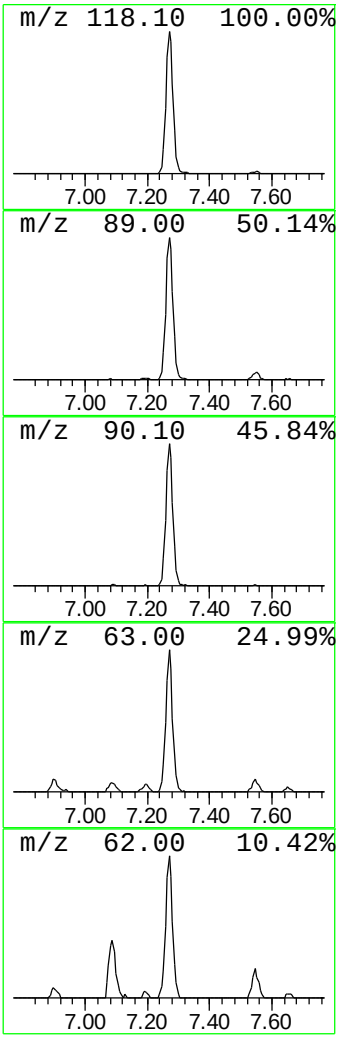
Peak Number 5 Benzofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	12.56 ng/ul	652349	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	87
4	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45
5	3-Pyridineacetonitrile	118	C7H6N2	006443-85-2	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

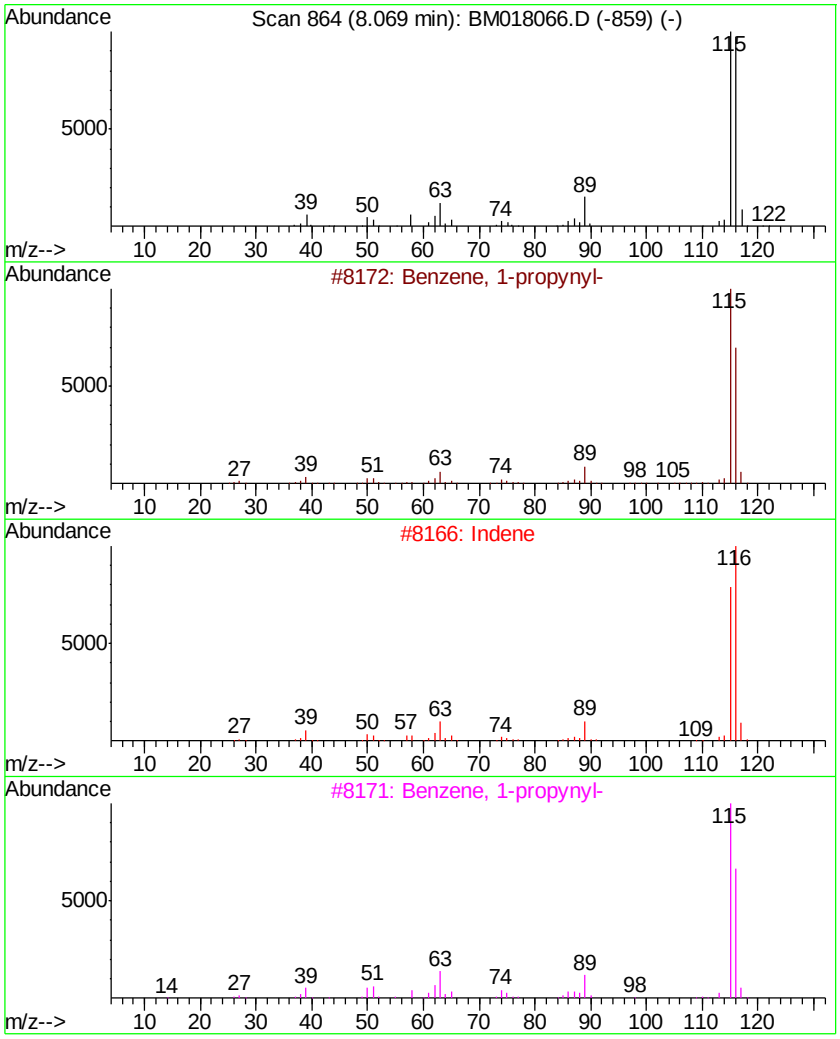
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

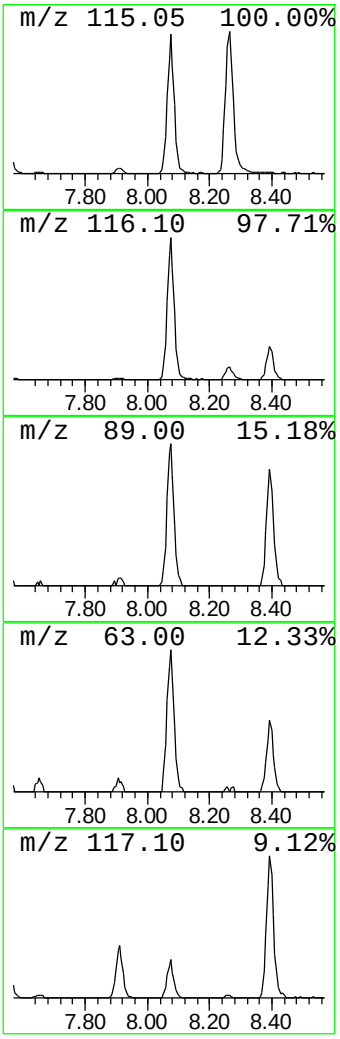
****

Peak Number 6 Benzene, 1-propynyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	8.32 ng/ul	432120	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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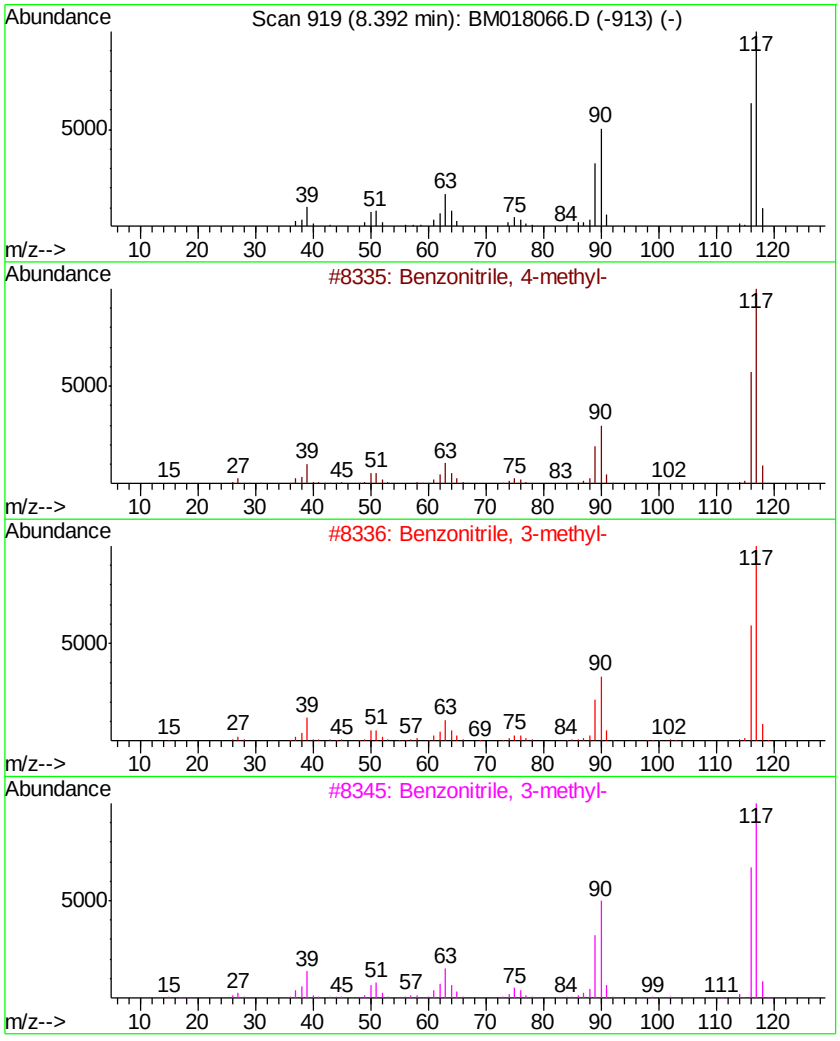
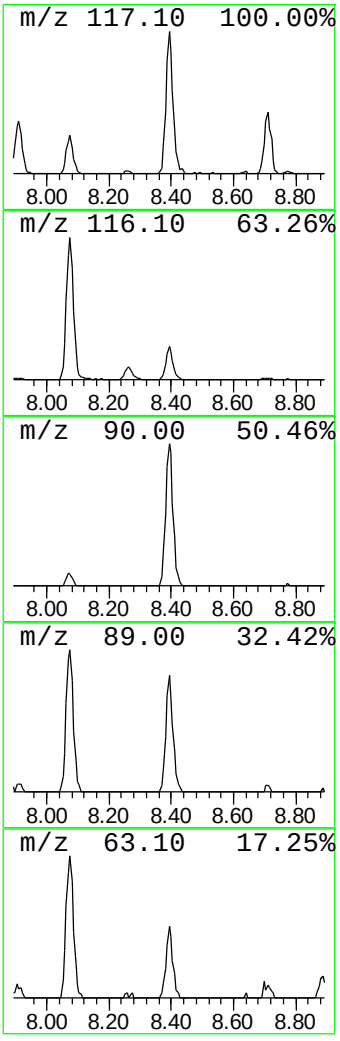
Peak Number 7 Benzonitrile, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	3.80 ng/ul	197648	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
2	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	97
3	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	97
4	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	97
5	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

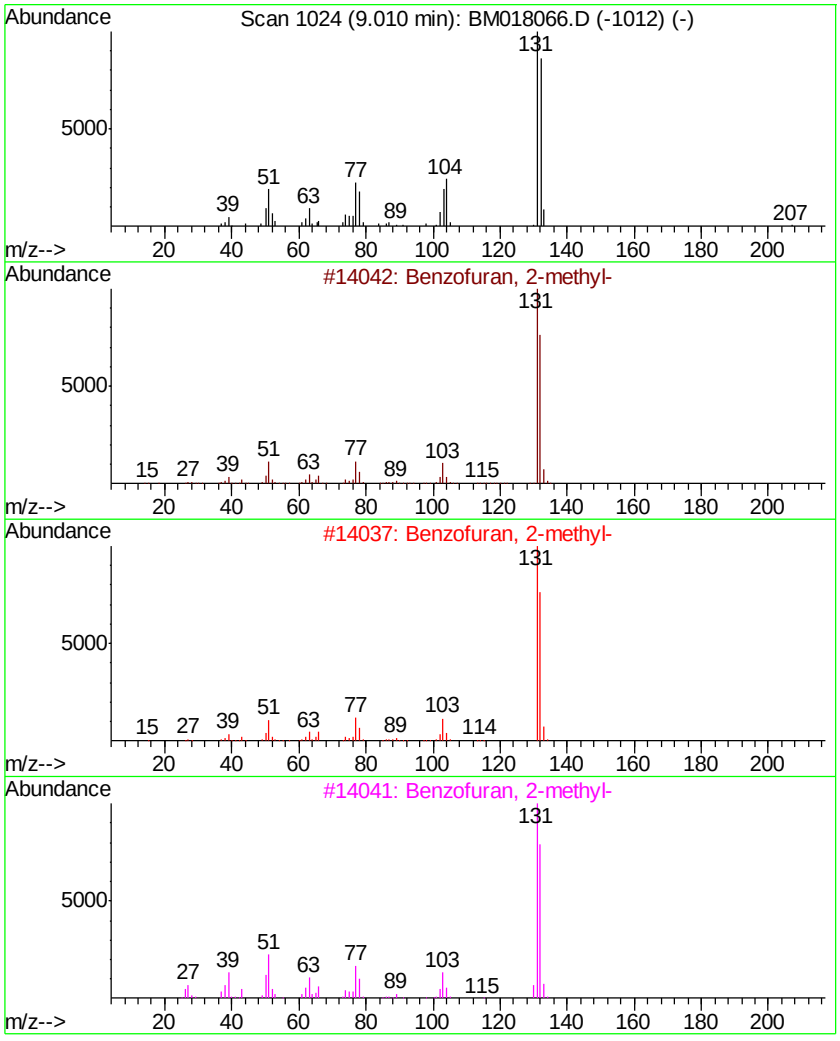
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

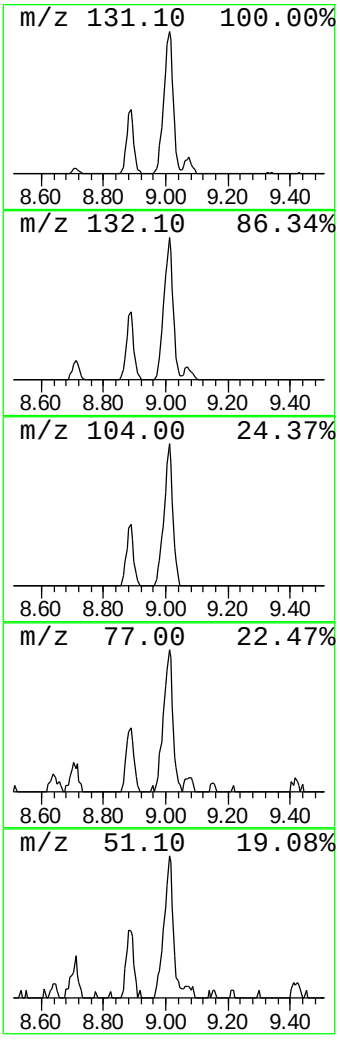
****

Peak Number 8 Benzofuran, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	3.65 ng/ul	261311	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

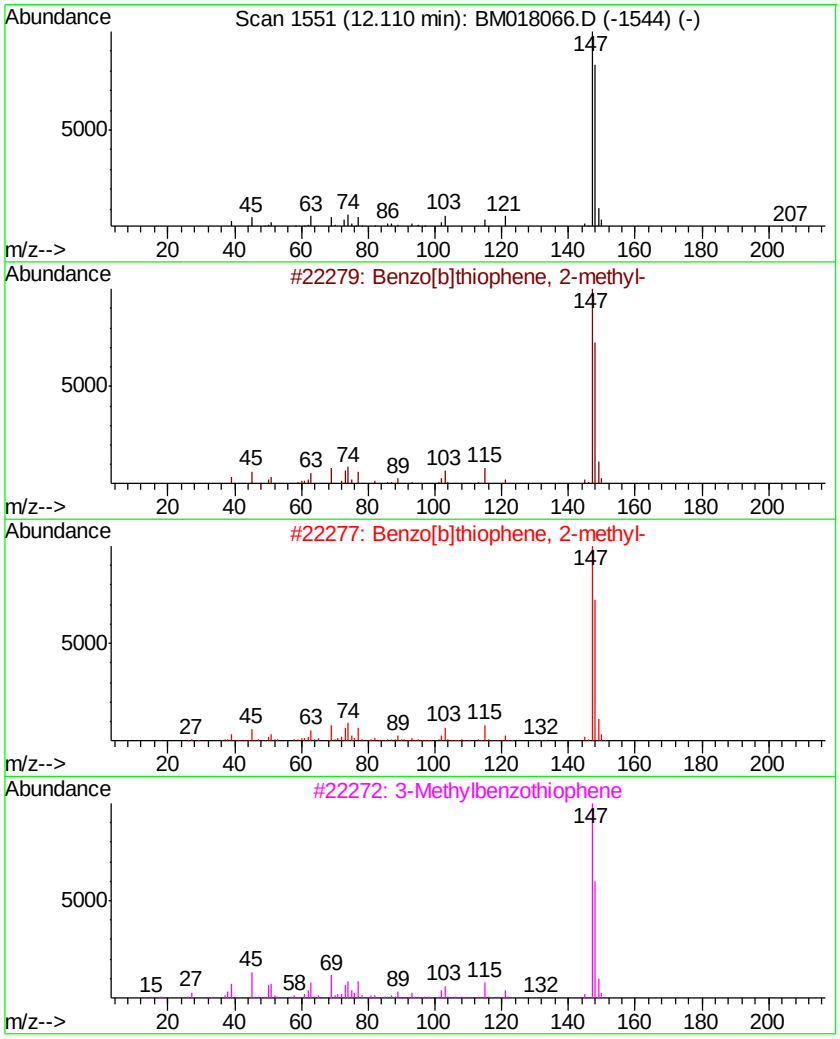
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

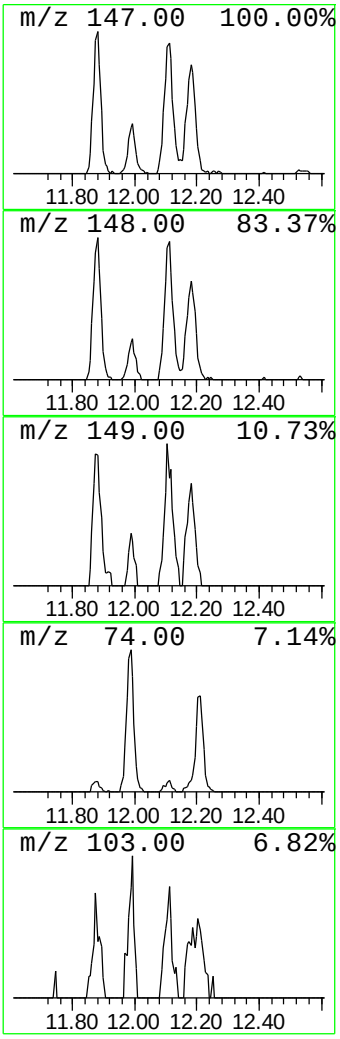
****

Peak Number 9 Benzo[b]thiophene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	2.18 ng/ul	156094	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
4	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

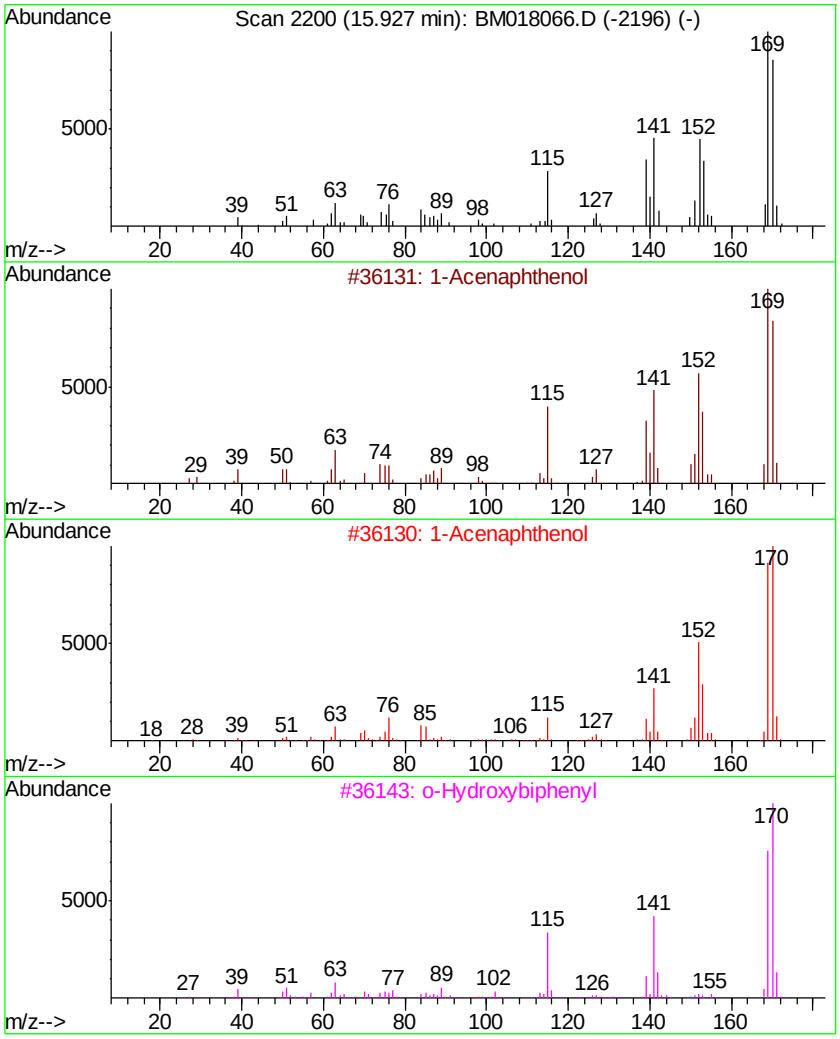
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

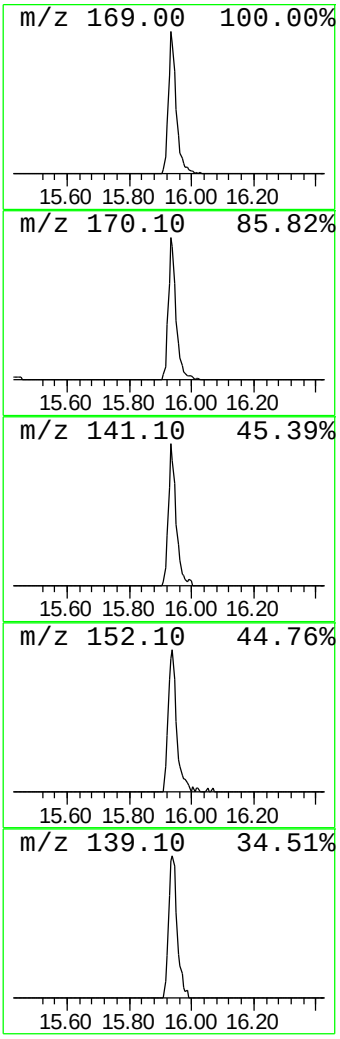
****

Peak Number 11 1-Acenaphthenol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	3.08 ng/ul	331076	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	86
2	1-Acenaphthenol	170	C12H10O	006306-07-6	70
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	58
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	52
5	Benzaldehyde, 2-fluoro-3-hydroxy...	170	C8H7FO3	079418-73-8	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121118\
Data File : BM018066.D
Acq On : 11 Dec 2018 20:24
Operator : JU/SJ
Sample : J6170-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9M04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dime...	5.26	2.3	ng/ul	119385	1	7.55	1039140	20.0
Benzene, (1-methy...	6.06	2.0	ng/ul	103924	1	7.55	1039140	20.0
Benzene, 1,3,5-tr...	7.19	3.6	ng/ul	188644	1	7.55	1039140	20.0
Benzofuran	7.27	12.6	ng/ul	652349	1	7.55	1039140	20.0
Benzene, 1-propynyl-	8.07	8.3	ng/ul	432120	1	7.55	1039140	20.0
Benzonitrile, 4-m...	8.39	3.8	ng/ul	197648	1	7.55	1039140	20.0
Benzofuran, 2-met...	9.01	3.6	ng/ul	261311	2	10.32	1431470	20.0
Benzo[b]thiophene...	12.11	2.2	ng/ul	156094	2	10.32	1431470	20.0
1-Acenaphthenol	15.93	3.1	ng/ul	331076	4	16.96	2147490	20.0