LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.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	2.769	9	14	23	rBV	77209	126172	16.37%	1.311%
2	2.846	23	27	43	rVB	49834	61475	7.98%	0.639%
3	4.287	268	272	277	rBV	11999	15978	2.07%	0.166%
4	6.834	699	705	713	rVB	41530	63805	8.28%	0.663%
5	6.981	724	730	739	rBB	113972	170542	22.13%	1.772%
6	7.181	758	764	773	rBB	138281	212771	27.60%	2.211%
7	7.645	837	843	850	rBB	117501	182920	23.73%	1.901%
8	8.363	960	965	974	rBV	120005	187101	24.27%	1.945%
9	8.745	1026	1030	1034	rBB	4813	6237	0.81%	0.065%
10	8.804	1034	1040	1050	rBB	140384	224260	29.09%	2.331%
11	9.028	1073	1078	1083	rBB	31039	42808	5.55%	0.445%
12	9.375	1133	1137	1141	rBB	3366	3953	0.51%	0.041%
13	9.522	1156	1162	1169	rBB	124304	197261	25.59%	2.050%
14	9.645	1179	1183	1186	rBB	3675	4579	0.59%	0.048%
15	9.981	1235	1240	1243	rBB	2798	3406	0.44%	0.035%
16	10.063	1248	1254	1262	rBV	176237	295172	38.29%	3.068%
17	10.133	1262	1266	1271	rVB3	4462	7042	0.91%	0.073%
18	10.433	1310	1317	1323	rBV	179731	297316	38.57%	3.090%
19	10.486	1323	1326	1332	rVB3	2883	4782	0.62%	0.050%
20	10.551	1332	1337	1340	rBV	18032	30262	3.93%	0.315%
21	10.580	1340	1342	1351	rVB2	12260	23730	3.08%	0.247%
22	11.004	1409	1414	1418	rBV3	5147	7290	0.95%	0.076%
23	11.280	1456	1461	1463	rBV2	2905	4801	0.62%	0.050%
24	11.504	1494	1499	1508	rVB3	3966	7604	0.99%	0.079%
25	11.639	1516	1522	1531	rBB	6055	10839	1.41%	0.113%
26	11.845	1546	1557	1561	rVB4	18008	43581	5.65%	0.453%
27	12.004	1576	1584	1585	rBV	2825	4247	0.55%	0.044%
28	12.033	1585	1589	1595	rVV4	3644	7923	1.03%	0.082%
29	12.075	1595	1596	1600	rVV3	2694	3497	0.45%	0.036%
30	12.157	1607	1610	1618	rVB4	7354	14382	1.87%	0.149%
31	12.333	1635	1640	1643	rVB2	2719	4816	0.62%	0.050%
32	12.404	1648	1652	1656	rBV2	5508	7701	1.00%	0.080%
33	12.457	1656	1661	1667	rBV	6070	9959	1.29%	0.104%
34	12.669	1693	1697	1702	rVB2	3905	6180	0.80%	0.064%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Title : SVOA CALIBRATION

35	12.763	1709	1713	1720	rVB2	3083	4865	0.63%	0.051%
36	12.839	1720	1726	1731	rBV2	5638	9222	1.20%	0.096%
37	13.016	1750	1756	1760	rBV2	4621	8616	1.12%	0.090%
38	13.121	1770	1774	1776	rBV3	2584	3939	0.51%	0.041%
39	13.198	1783	1787	1792	rVB	10690	15706	2.04%	0.163%
40	13.345	1807	1812	1820	rVB2	13495	23012	2.99%	0.239%
41	13.486	1831	1836	1837	rBV3	2854	3773	0.49%	0.039%
42	13.539	1840	1845	1846	rBV2	3667	4272	0.55%	0.044%
43	13.645	1860	1863	1866	rVV2	6622	8977	1.16%	0.093%
44	13.716	1866	1875	1887	rVB	316051	448365	58.17%	4.660%
45	13.810	1887	1891	1894	rBV	3030	4883	0.63%	0.051%
46	13.863	1894	1900	1905	rBV4	8871	17294	2.24%	0.180%
47	13.998	1916	1923	1929	rBV	376183	552438	71.67%	5.742%
48	14.051	1930	1932	1938	rVB5	5189	8625	1.12%	0.090%
49	14.116	1938	1943	1951	rBV4	9469	19974	2.59%	0.208%
50	14.198	1951	1957	1960	rBV7	3235	7168	0.93%	0.074%
51	14.233	1960	1963	1967	rVB3	3587	4558	0.59%	0.047%
52	14.304	1967	1975	1982	rVB2	254260	392647	50.94%	4.081%
53	14.363	1982	1985	1987	rBV3	2687	3304	0.43%	0.034%
54	14.392	1987	1990	1993	rVB4	2746	3343	0.43%	0.035%
55	14.551	2013	2017	2027	rBV	24899	45130	5.86%	0.469%
56	14.639	2027	2032	2033	rVV3	4242	6948	0.90%	0.072%
57	14.663	2033	2036	2045	rVB3	7816	14930	1.94%	0.155%
58	14.774	2051	2055	2060	rVB3	5058	7171	0.93%	0.075%
59	14.910	2074	2078	2084	rBV5	4612	8632	1.12%	0.090%
60	15.057	2098	2103	2107	rBV	9657	14429	1.87%	0.150%
61	15.139	2114	2117	2120	rVB3	3377	4633	0.60%	0.048%
62	15.210	2125	2129	2135	rVV5	8797	13532	1.76%	0.141%
63	15.304	2139	2145	2152	rVV	478198	675706	87.66%	7.023%
64	15.386	2157	2159	2163	rBV4	2593	3774	0.49%	0.039%
65	15.445	2163	2169	2180	rBV	120611	204483	26.53%	2.125%
66	15.627	2195	2200	2202	rBV4	4877	7634	0.99%	0.079%
67	15.762	2218	2223	2231	rVB7	5183	11336	1.47%	0.118%
68	15.833	2231	2235	2237	rBV4	5006	6619	0.86%	0.069%
69	15.974	2257	2259	2262	rVB3	3321	3400	0.44%	0.035%
70	16.015	2262	2266	2269	rBV4	4728	5904	0.77%	0.061%
71	16.068	2271	2275	2281	rVB5	6918	12207	1.58%	0.127%

LSC Area Percent Report

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Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Title : SVOA CALIBRATION

72	16.198	2295	2297	2301	rBV4	3135	3452	0.45%	0.036%
73	16.245	2301	2305	2307	rBV4	4668	7656	0.99%	0.080%
74	16.333	2315	2320	2324	rBV5	8182	13528	1.76%	0.141%
75	16.386	2324	2329	2332	rBV5	4379	8979	1.16%	0.093%
76	16.468	2338	2343	2345	rBV5	3138	5972	0.77%	0.062%
77	16.568	2356	2360	2364	rVV3	11836	20878	2.71%	0.217%
78	16.786	2393	2397	2401	rBV7	6384	13911	1.80%	0.145%
79	16.839	2401	2406	2409	rBV5	9013	18484	2.40%	0.192%
80	16.927	2416	2421	2427	rBV5	15194	32894	4.27%	0.342%
81	17.015	2434	2436	2437	rBV2	3969	3607	0.47%	0.037%
82	17.057	2437	2443	2451	rVV2	282349	441335	57.26%	4.587%
83	17.157	2451	2460	2468	rVV	468296	691847	89.76%	7.190%
84	17.233	2469	2473	2478	rVB4	17448	27165	3.52%	0.282%
85	17.327	2486	2489	2496	rVB2	11606	20013	2.60%	0.208%
86	17.557	2524	2528	2534	rVB	31297	45082	5.85%	0.469%
87	17.715	2552	2555	2562	rVB6	11819	16088	2.09%	0.167%
88	17.921	2587	2590	2594	rVB2	14874	21706	2.82%	0.226%
89	17.962	2594	2597	2601	rBV4	11084	13492	1.75%	0.140%
90	18.133	2623	2626	2630	rVB5	11324	16495	2.14%	0.171%
91	18.180	2630	2634	2637	rBV	16402	23538	3.05%	0.245%
92	18.345	2659	2662	2667	rVB6	14133	18947	2.46%	0.197%
93	18.474	2680	2684	2693	rVB2	26394	42292	5.49%	0.440%
94	19.468	2847	2853	2858	rBV	487423	700244	90.85%	7.278%
95	19.527	2858	2863	2872	rVV	507816	724138	93.95%	7.526%
96	19.880	2919	2923	2928	rVB	74064	99125	12.86%	1.030%
97	20.556	3036	3038	3042	rVB	34263	36356	4.72%	0.378%
98	21.268	3154	3159	3164	rBV	341729	433370	56.22%	4.504%
99	23.356	3508	3514	3528	rVB	401667	770793	100.00%	8.011%
100	23.497	3532	3538	3548	rVB2	244045	464529	60.27%	4.828%

Sum of corrected areas: 9621757

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
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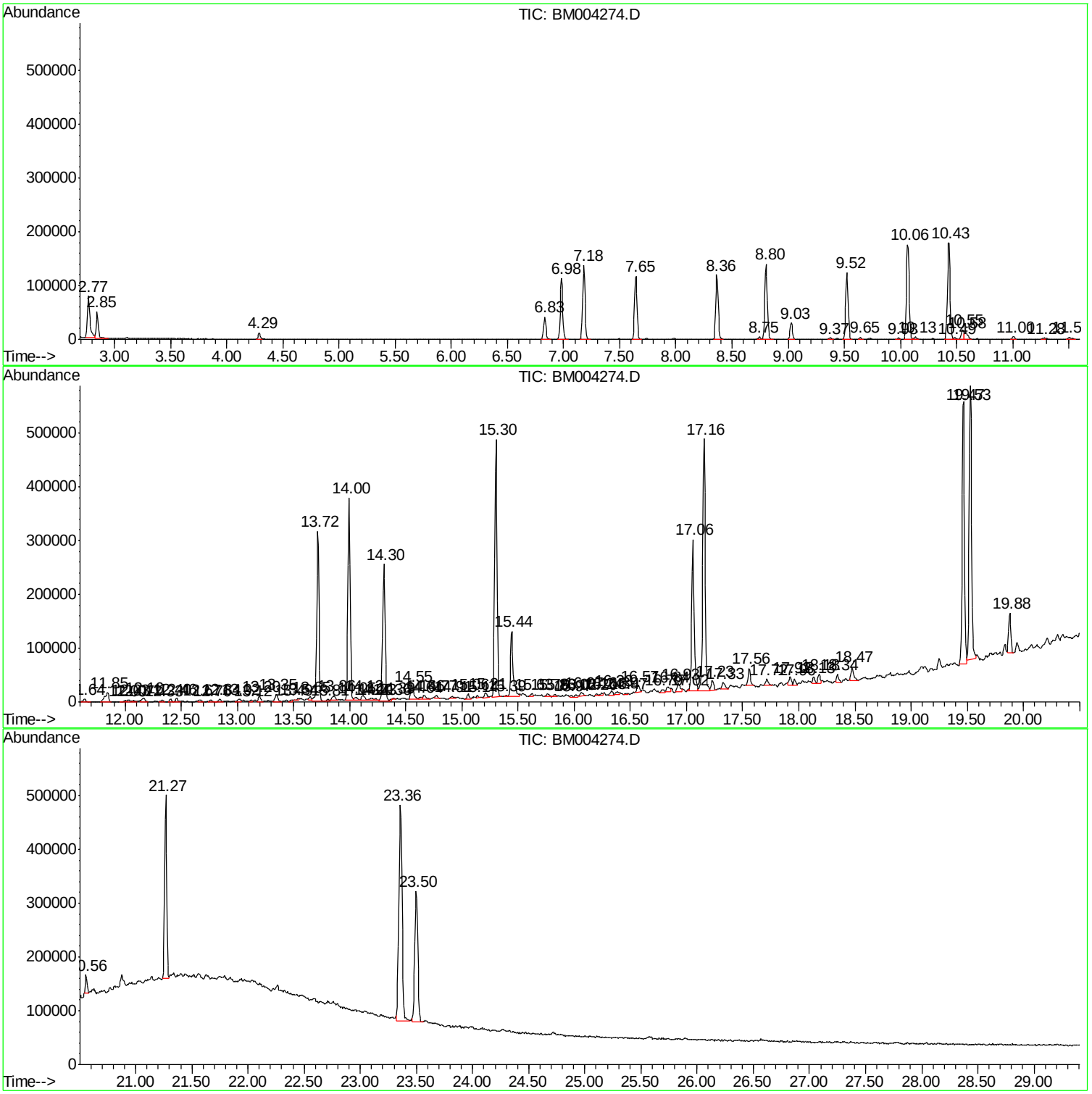
Instrument :
BNA_M
ClientSampleId :
D9QF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

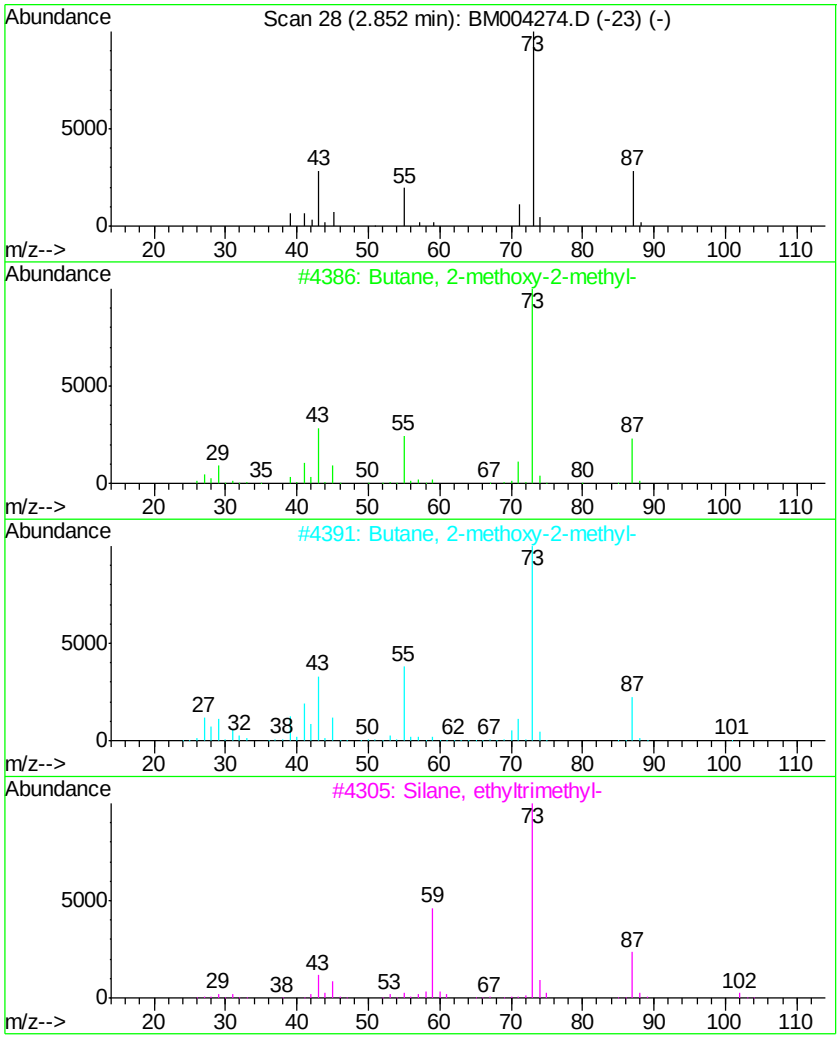
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

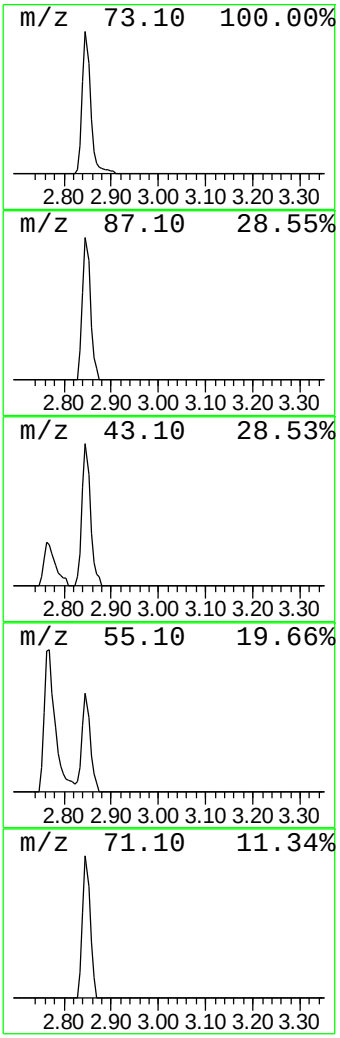
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	6.72 ng/ul	61475	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

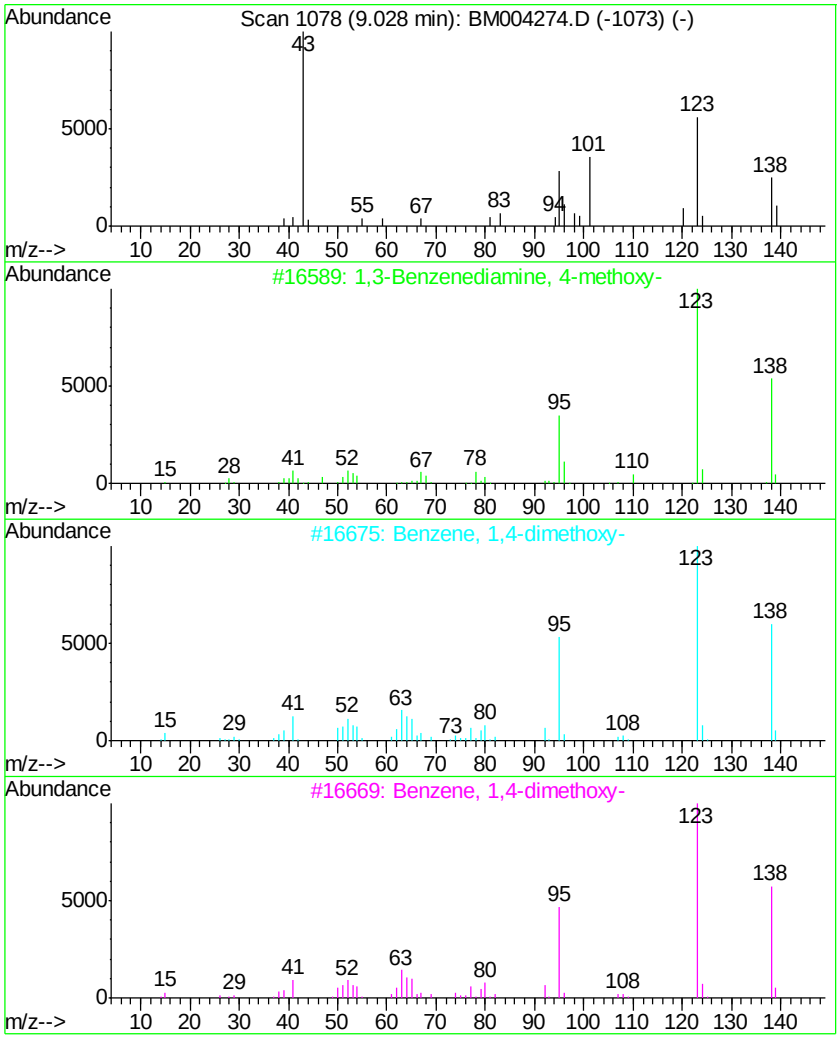
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

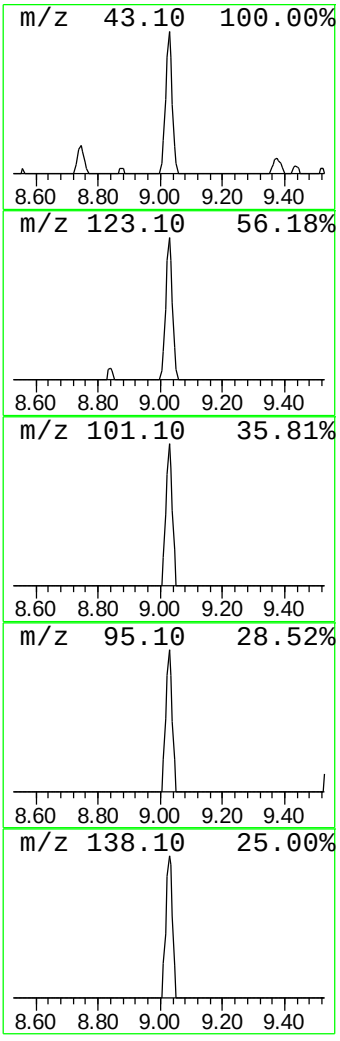
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,3-Benzenediamine, 4-methoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	4.68 ng/ul	42808	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenediamine, 4-methoxy-	138	C7H10N2O	000615-05-4	50
2	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	49
3	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	49
4	2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	47
5	1,3-Benzenediol, 4-ethyl-	138	C8H10O2	002896-60-8	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
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Sample : H1416-17
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Instrument : BNA_M
ClientSampleId : D9QF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

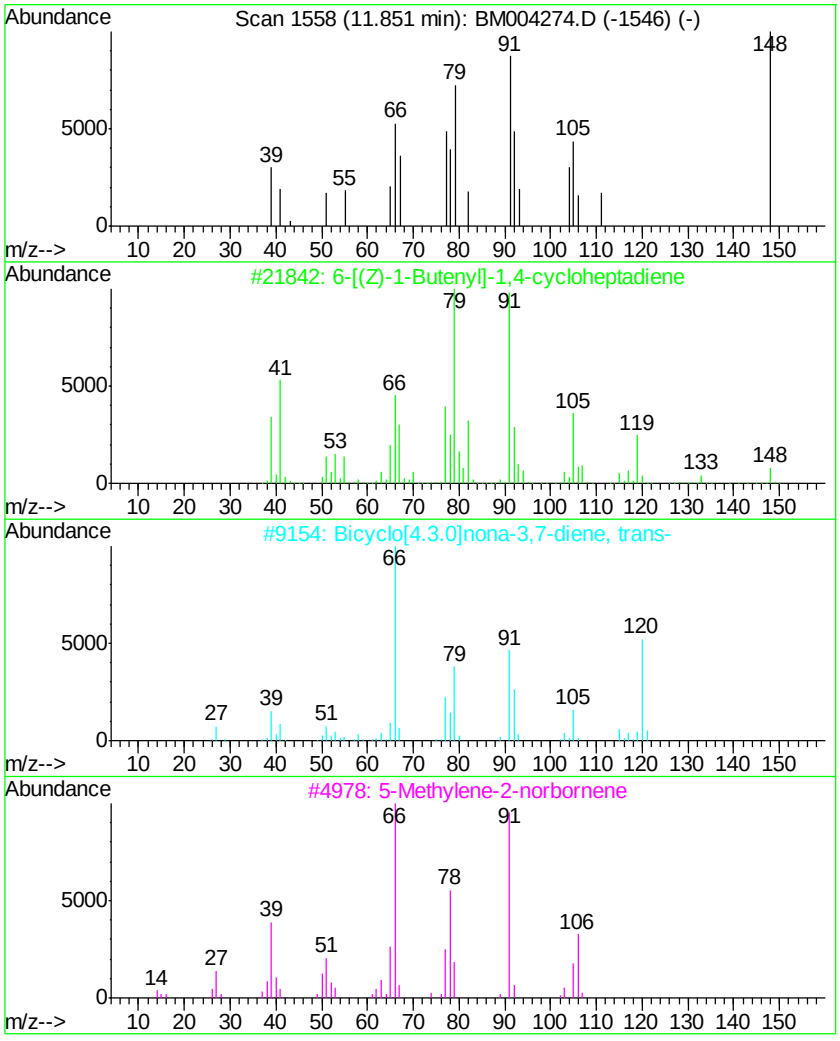
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

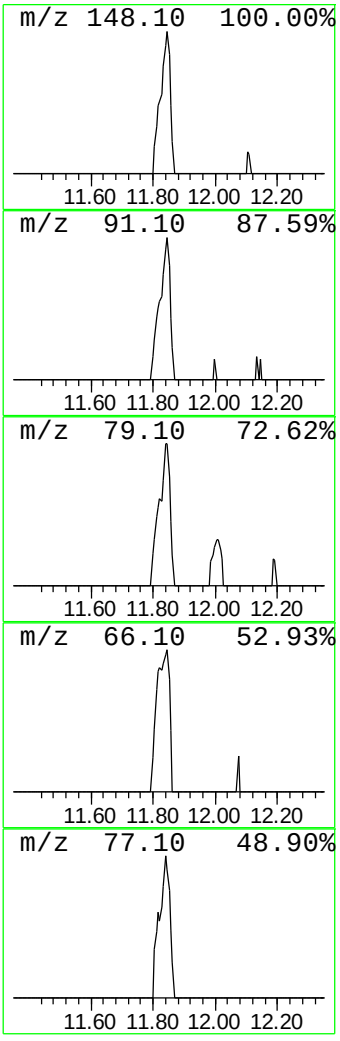
****

Peak Number 4 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.93 ng/ul	43581	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-[(Z)-1-Butenyl]-1,4-cyclohepta...	148	C11H16	033156-93-3	47
2	Bicyclo[4.3.0]nona-3,7-diene, tr...	120	C9H12	066563-20-0	40
3	5-Methylene-2-norbornene	106	C8H10	000694-91-7	38
4	3-[(Z)-1-Butenyl]-4-vinylcyclope...	148	C11H16	052886-04-1	38
5	Cyclohexene, 3-methylene-4-vinyl-	120	C9H12	1000149-45-4	37





Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

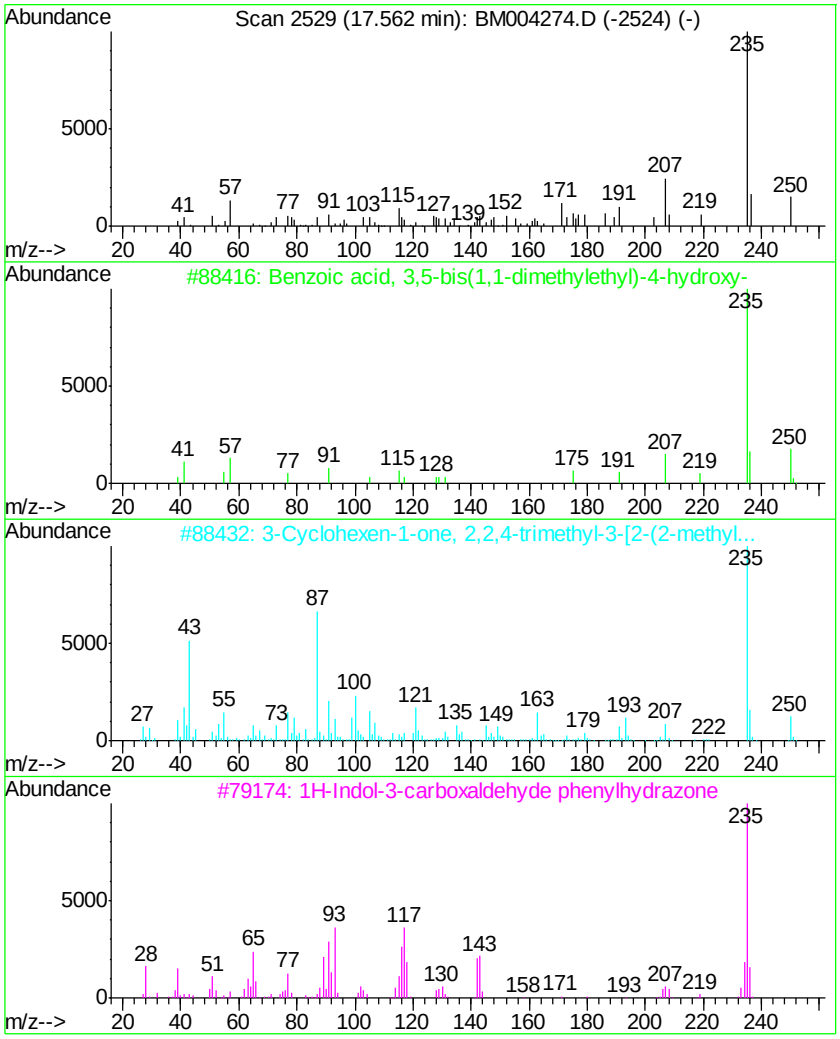
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

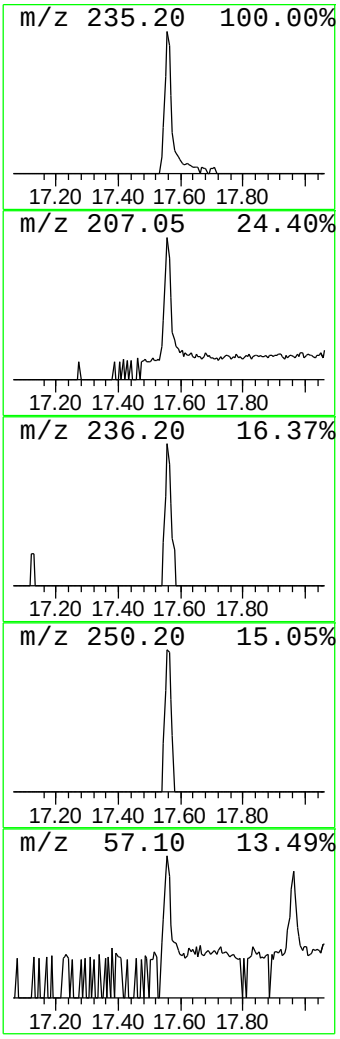
****

Peak Number 5 Benzoic acid, 3,5-bis(1,1-d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	2.04 ng/ul	45082	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	89
2	3-Cyclohexen-1-one, 2,2,4-trimet...	250	C15H22O3	1000197-90-2	53
3	1H-Indol-3-carboxaldehyde phenyl...	235	C15H13N3	016578-92-0	47
4	Benzoxazole, 2-(2-benzimidazolyl)-	235	C14H9N3O	014595-67-6	47
5	Hexobarbital-2(or 4)-methyl deri...	250	C13H18N2O3	1000123-51-5	40





Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

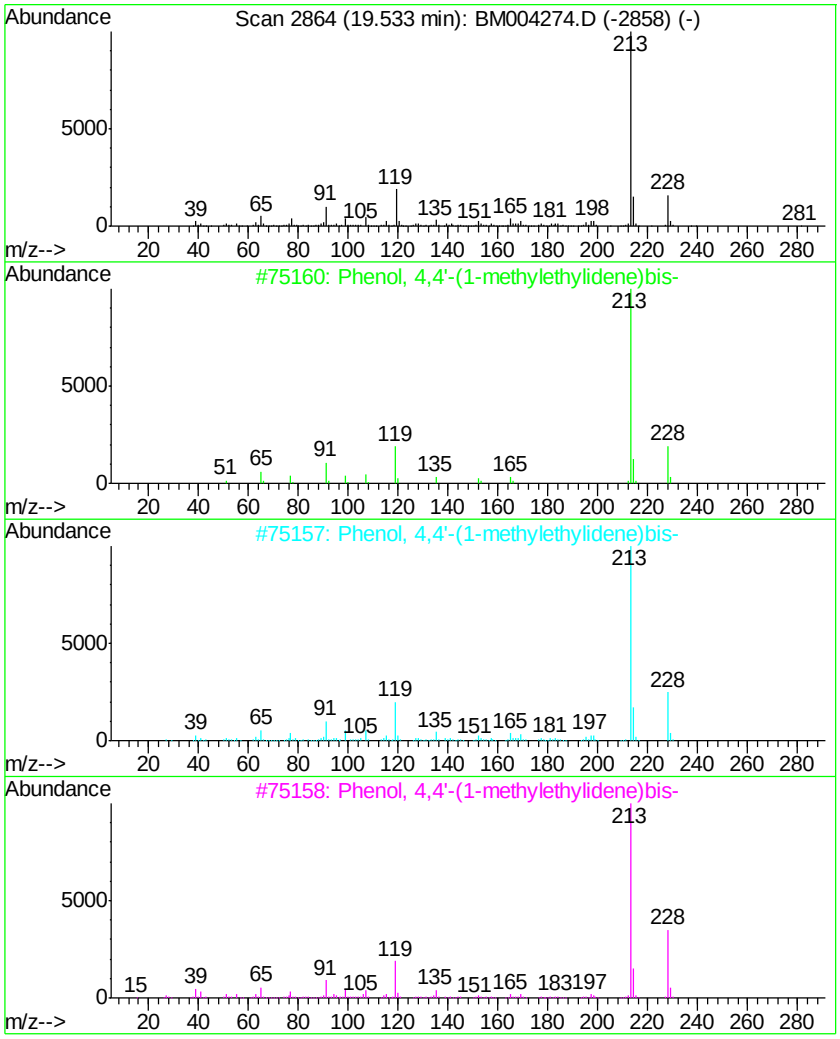
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

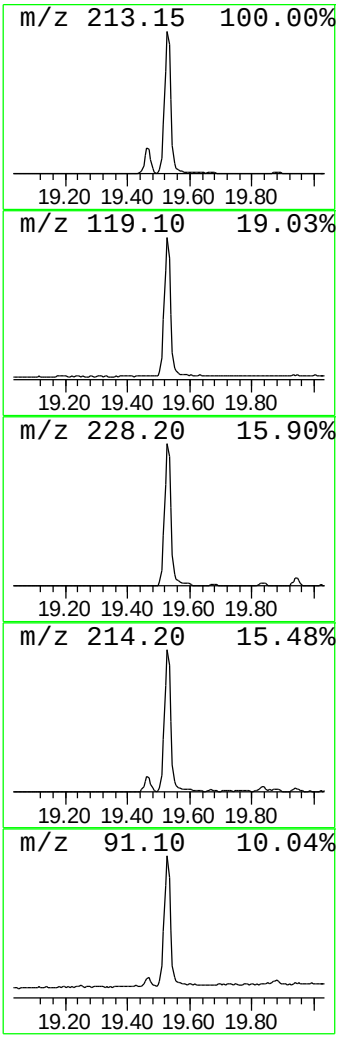
****

Peak Number 6 Phenol, 4,4'-(1-methylethyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	33.42 ng/ul	724138	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	97
2	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	95
3	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	90
4	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	72
5	2,4(1H,3H)-Pyrimidinedione, 1,3-...	228	C9H16N2O3Si	089447-84-7	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

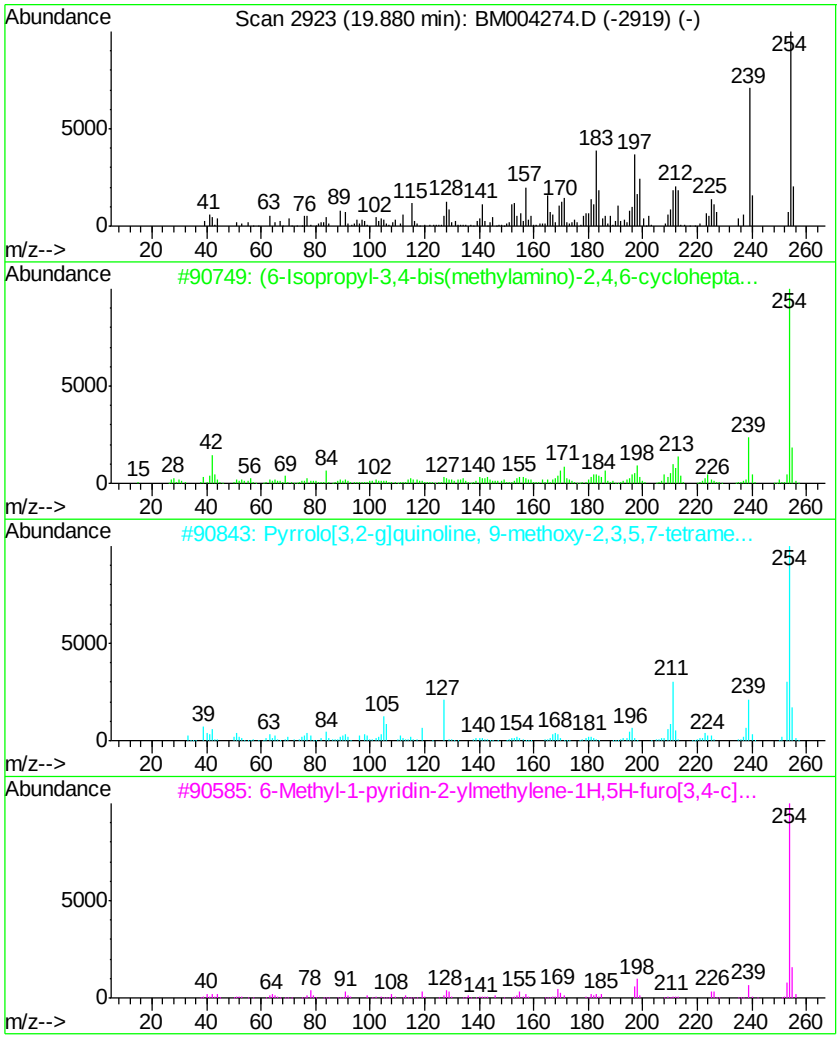
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

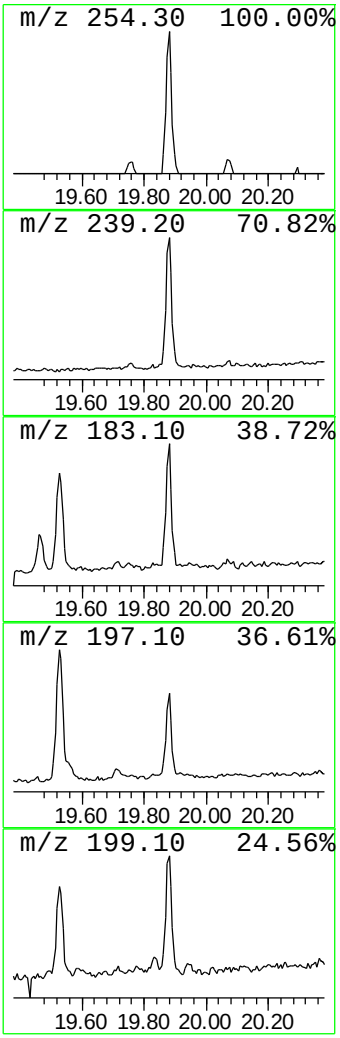
****

Peak Number 7 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	4.57 ng/ul	99125	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(6-Isopropyl-3,4-bis(methylamino...	254	C15H18N4	014203-76-0	49
2	Pyrrolo[3,2-g]quinoline, 9-metho...	254	C16H18N2O	199918-71-3	45
3	6-Methyl-1-pyridin-2-ylmethylene...	254	C14H10N2O3	1000274-64-8	43
4	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	38
5	9,10-Anthracenedione, 1,8-dihydr...	254	C15H10O4	000481-74-3	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021516\
Data File : BM004274.D
Acq On : 16 Feb 2016 00:42
Operator : SJ/UM
Sample : H1416-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.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
Butane, 2-methoxy...	2.85	6.7	ng/ul	61475	1	7.65	182920	20.0
1,3-Benzenediamin...	9.03	4.7	ng/ul	42808	1	7.65	182920	20.0
unknown-01	11.85	2.9	ng/ul	43581	2	10.43	297316	20.0
Benzoic acid, 3,5...	17.56	2.0	ng/ul	45082	4	17.06	441335	20.0
Phenol, 4,4'-(1-m...	19.53	33.4	ng/ul	724138	5	21.27	433370	20.0
unknown-02	19.88	4.6	ng/ul	99125	5	21.27	433370	20.0