LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

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-BM092915.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	3.363	41	47	52	rBV	71611	139913	7.36%	0.413%
2	3.404	52	54	58	rVV	12410	17261	0.91%	0.051%
3	3.451	58	62	69	rVB	143460	203279	10.69%	0.600%
4	3.769	112	116	123	rVB	14476	20198	1.06%	0.060%
5	4.204	184	190	197	rBV	18042	26601	1.40%	0.078%
6	6.075	501	508	515	rBV	82438	122910	6.46%	0.363%
7	6.592	588	596	608	rBV	781652	1298950	68.31%	3.833%
8	7.110	678	684	690	rBV	75939	116854	6.15%	0.345%
9	7.622	766	771	777	rBV	28656	44311	2.33%	0.131%
10	7.810	796	803	819	rVB	651907	1136256	59.76%	3.353%
11	7.992	827	834	841	rBV	255750	420936	22.14%	1.242%
12	8.216	865	872	879	rBV	311349	533485	28.06%	1.574%
13	8.698	947	954	963	rVB	309079	511873	26.92%	1.510%
14	9.398	1066	1073	1085	rBV	301971	538039	28.30%	1.588%
15	9.533	1088	1096	1111	rVB	185689	319753	16.82%	0.943%
16	9.675	1111	1120	1138	rBV	98429	351666	18.49%	1.038%
17	9.892	1150	1157	1163	rVV	296080	512360	26.95%	1.512%
18	10.622	1275	1281	1289	rBV	230881	404939	21.30%	1.195%
19	10.763	1297	1305	1321	rBV	33731	80226	4.22%	0.237%
20	10.969	1335	1340	1351	rVB2	11041	21116	1.11%	0.062%
21	11.163	1358	1373	1388	rBV	355351	645772	33.96%	1.905%
22	11.557	1432	1440	1447	rBV	436734	757868	39.86%	2.236%
23	11.686	1455	1462	1480	rVB	234580	432319	22.74%	1.276%
24	12.316	1562	1569	1579	rBV	155481	273484	14.38%	0.807%
25	13.074	1692	1698	1710	rVV	439227	736392	38.73%	2.173%
26	13.163	1710	1713	1718	rVB	12239	18587	0.98%	0.055%
27	13.645	1787	1795	1801	rBV	12872	18958	1.00%	0.056%
28	13.780	1814	1818	1823	rVV	10951	16127	0.85%	0.048%
29	13.880	1831	1835	1842	rVB	18872	25788	1.36%	0.076%
30	14.074	1862	1868	1873	rBV2	12280	23880	1.26%	0.070%
31	14.615	1954	1960	1964	rBV5	10573	18441	0.97%	0.054%
32	14.674	1964	1970	1974	rVV	643222	922247	48.50%	2.721%
33	14.721	1974	1978	1988	rVB	335076	481831	25.34%	1.422%
34	14.998	2018	2025	2038	rVB	810206	1238950	65.16%	3.656%

LSC Area Percent Report

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Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

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-BM092915.M
Title : SVOA CALIBRATION

35	15.110	2040	2044	2050	rVB	12743	17514	0.92%	0.052%
36	15.292	2064	2075	2082	rBV2	581230	915265	48.13%	2.701%
37	15.457	2097	2103	2114	rBV	194552	321211	16.89%	0.948%
38	15.598	2123	2127	2134	rVV5	18480	33659	1.77%	0.099%
39	16.009	2190	2197	2199	rBV	13133	17265	0.91%	0.051%
40	16.045	2199	2203	2208	rVB2	32070	42831	2.25%	0.126%
41	16.268	2234	2241	2249	rBV	997405	1452700	76.40%	4.286%
42	16.386	2256	2261	2267	rBV	133446	193774	10.19%	0.572%
43	16.439	2267	2270	2275	rVB2	19285	28104	1.48%	0.083%
44	16.604	2294	2298	2304	rVB3	9931	17043	0.90%	0.050%
45	16.745	2318	2322	2326	rBV4	9775	16980	0.89%	0.050%
46	16.786	2326	2329	2331	rBV	15611	20620	1.08%	0.061%
47	16.898	2343	2348	2349	rBV2	48715	62931	3.31%	0.186%
48	16.915	2349	2351	2355	rVV	58939	69468	3.65%	0.205%
49	17.098	2378	2382	2388	rVB3	29238	43186	2.27%	0.127%
50	17.174	2388	2395	2399	rBV2	45893	77001	4.05%	0.227%
51	17.315	2411	2419	2424	rBV5	107133	179187	9.42%	0.529%
52	17.445	2435	2441	2448	rBV3	36282	83661	4.40%	0.247%
53	17.580	2459	2464	2470	rVB	119193	166976	8.78%	0.493%
54	17.674	2472	2480	2485	rBV4	52487	108100	5.68%	0.319%
55	17.727	2485	2489	2494	rVB3	24016	38757	2.04%	0.114%
56	17.792	2495	2500	2504	rBV	52305	77069	4.05%	0.227%
57	18.003	2528	2536	2540	rVV	657610	1012181	53.23%	2.987%
58	18.045	2540	2543	2547	rVV	198295	313407	16.48%	0.925%
59	18.103	2547	2553	2567	rVB	1029222	1586089	83.41%	4.680%
60	18.309	2579	2588	2592	rBV8	16077	40708	2.14%	0.120%
61	18.409	2599	2605	2613	rVB2	240178	361174	18.99%	1.066%
62	18.574	2628	2633	2644	rBV	185838	266829	14.03%	0.787%
63	18.798	2667	2671	2675	rBV6	18099	25771	1.36%	0.076%
64	18.856	2675	2681	2684	rBV	39014	59658	3.14%	0.176%
65	18.898	2684	2688	2695	rVB3	184963	272094	14.31%	0.803%
66	18.974	2696	2701	2708	rBV3	45965	76569	4.03%	0.226%
67	19.056	2708	2715	2717	rBV4	71913	142228	7.48%	0.420%
68	19.327	2756	2761	2763	rBV2	44618	62220	3.27%	0.184%
69	19.368	2763	2768	2777	rVB	660666	946815	49.79%	2.794%
70	19.445	2777	2781	2785	rBV	33884	67672	3.56%	0.200%
71	19.562	2799	2801	2804	rBV	21228	31500	1.66%	0.093%

LSC Area Percent Report

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Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

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-BM092915.M
Title : SVOA CALIBRATION

72	19.615	2806	2810	2819	rVB2	311902	469784	24.71%	1.386%
73	19.733	2825	2830	2837	rBV2	232268	382715	20.13%	1.129%
74	19.803	2837	2842	2843	rVV2	84170	131140	6.90%	0.387%
75	19.856	2846	2851	2864	rVB3	222764	609634	32.06%	1.799%
76	20.003	2871	2876	2881	rVB	436727	588269	30.94%	1.736%
77	20.092	2887	2891	2897	rVB5	42109	67984	3.58%	0.201%
78	20.156	2898	2902	2910	rBV6	34696	81554	4.29%	0.241%
79	20.250	2913	2918	2925	rVB2	158756	265369	13.96%	0.783%
80	20.333	2926	2932	2936	rBV2	1153758	1901501	100.00%	5.611%
81	20.450	2949	2952	2957	rVB	163890	193914	10.20%	0.572%
82	20.521	2962	2964	2967	rVB	25942	26046	1.37%	0.077%
83	20.962	3036	3039	3041	rBV	27833	30545	1.61%	0.090%
84	21.127	3064	3067	3071	rBV3	30858	48172	2.53%	0.142%
85	21.315	3096	3099	3103	rVB2	45455	48490	2.55%	0.143%
86	21.562	3138	3141	3146	rVB	53277	71320	3.75%	0.210%
87	21.697	3160	3164	3166	rBV	163289	216955	11.41%	0.640%
88	21.727	3166	3169	3178	rVV	387188	616525	32.42%	1.819%
89	21.803	3179	3182	3186	rVB2	46662	62865	3.31%	0.185%
90	22.086	3223	3230	3234	rBV2	838988	1462798	76.93%	4.316%
91	22.127	3234	3237	3248	rVB	230371	385552	20.28%	1.138%
92	22.238	3251	3256	3260	rBV	218814	317583	16.70%	0.937%
93	22.291	3261	3265	3269	rVV	377686	501118	26.35%	1.479%
94	22.339	3270	3273	3276	rVV	105876	161056	8.47%	0.475%
95	22.368	3276	3278	3285	rVB2	117414	149166	7.84%	0.440%
96	22.980	3379	3382	3387	rVB	92881	120706	6.35%	0.356%
97	23.880	3530	3535	3542	rBV	170351	444705	23.39%	1.312%
98	24.450	3627	3632	3635	rBV	92251	171752	9.03%	0.507%
99	24.515	3636	3643	3648	rBV	740204	1526799	80.29%	4.505%
100	24.680	3663	3671	3678	rBV	517834	1156512	60.82%	3.413%

Sum of corrected areas: 33890316

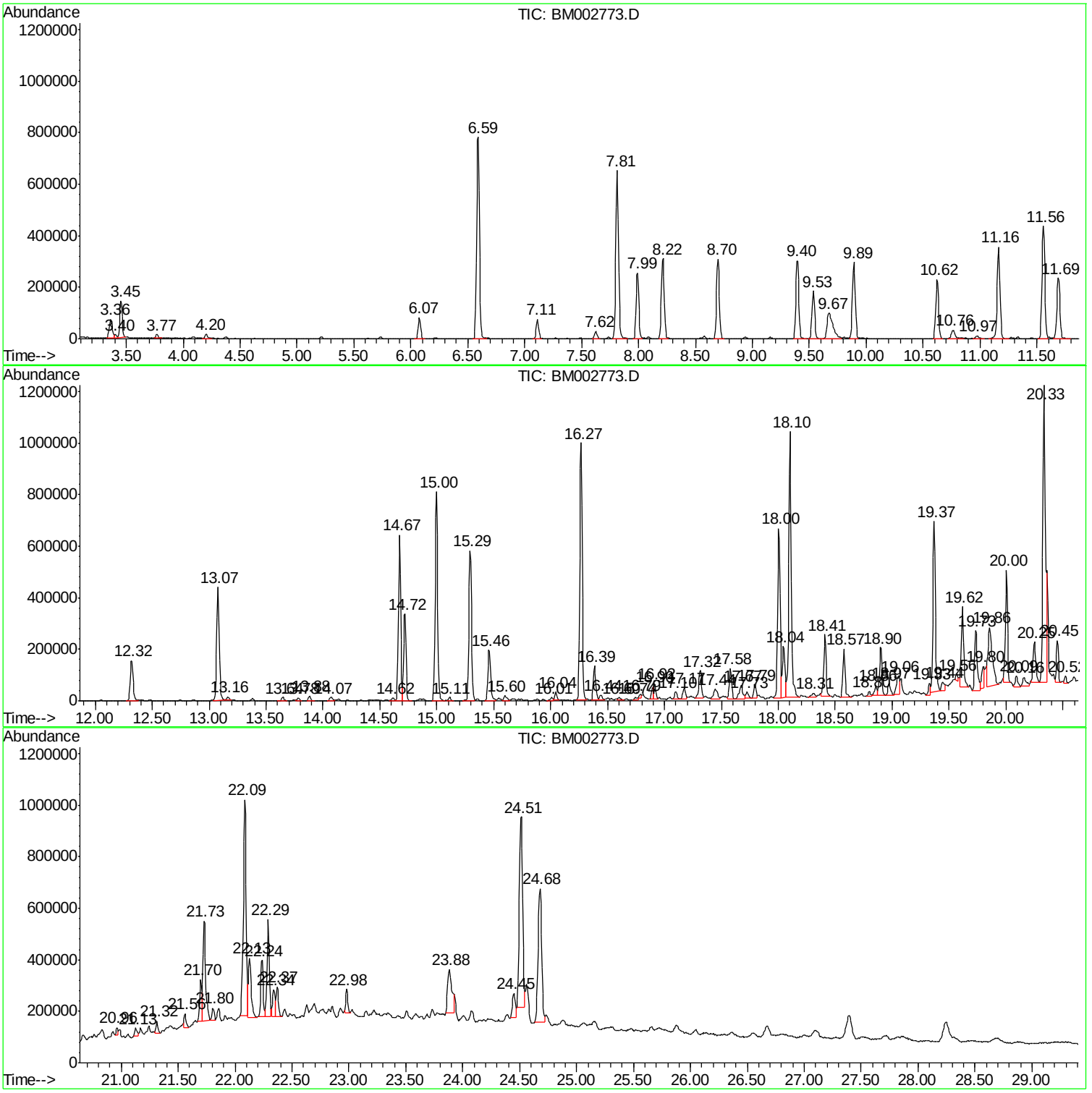
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.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\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

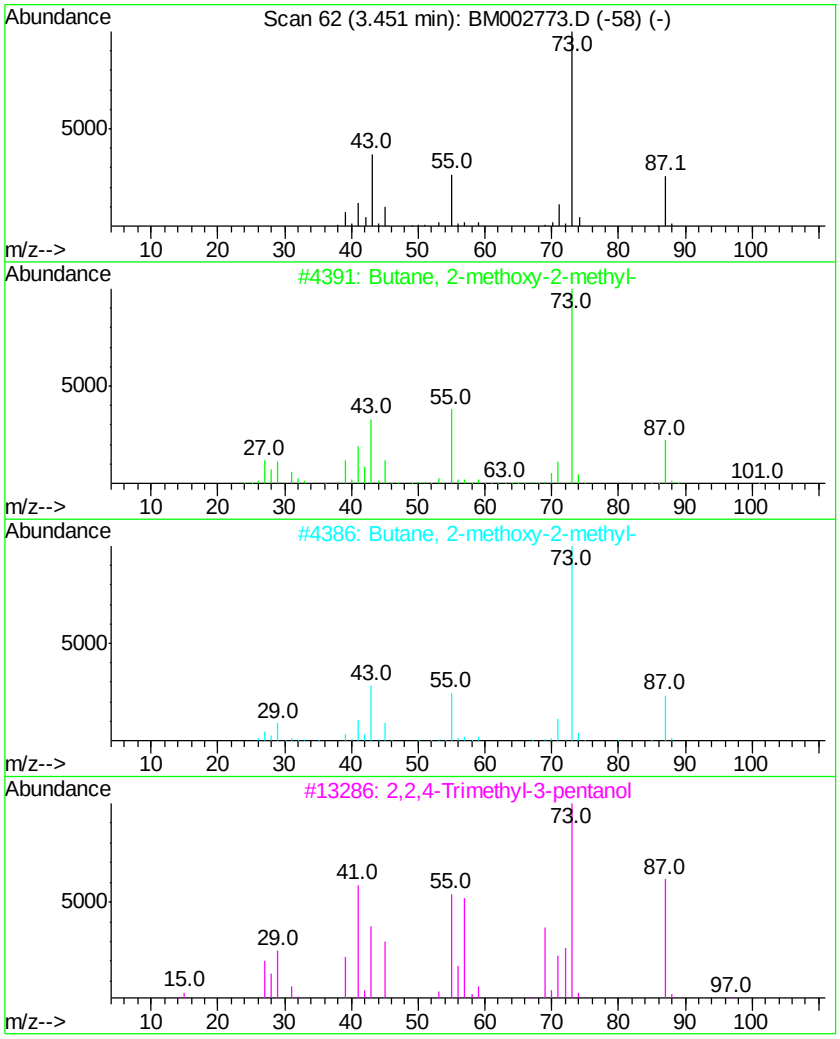
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

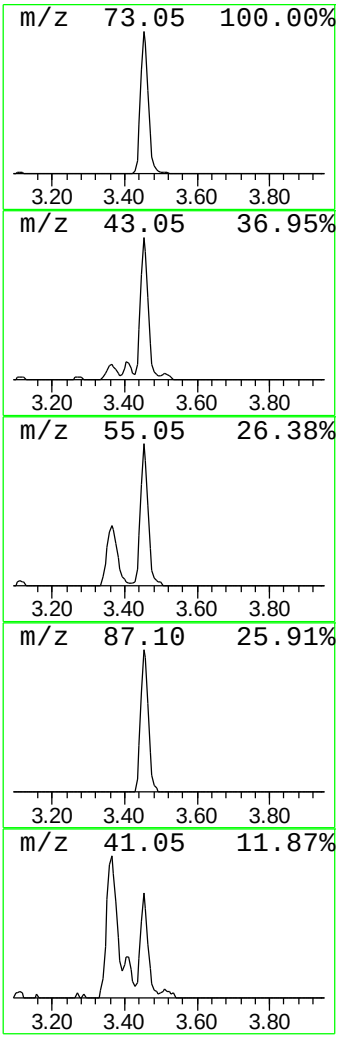
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	7.94 ng/ul	203279	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

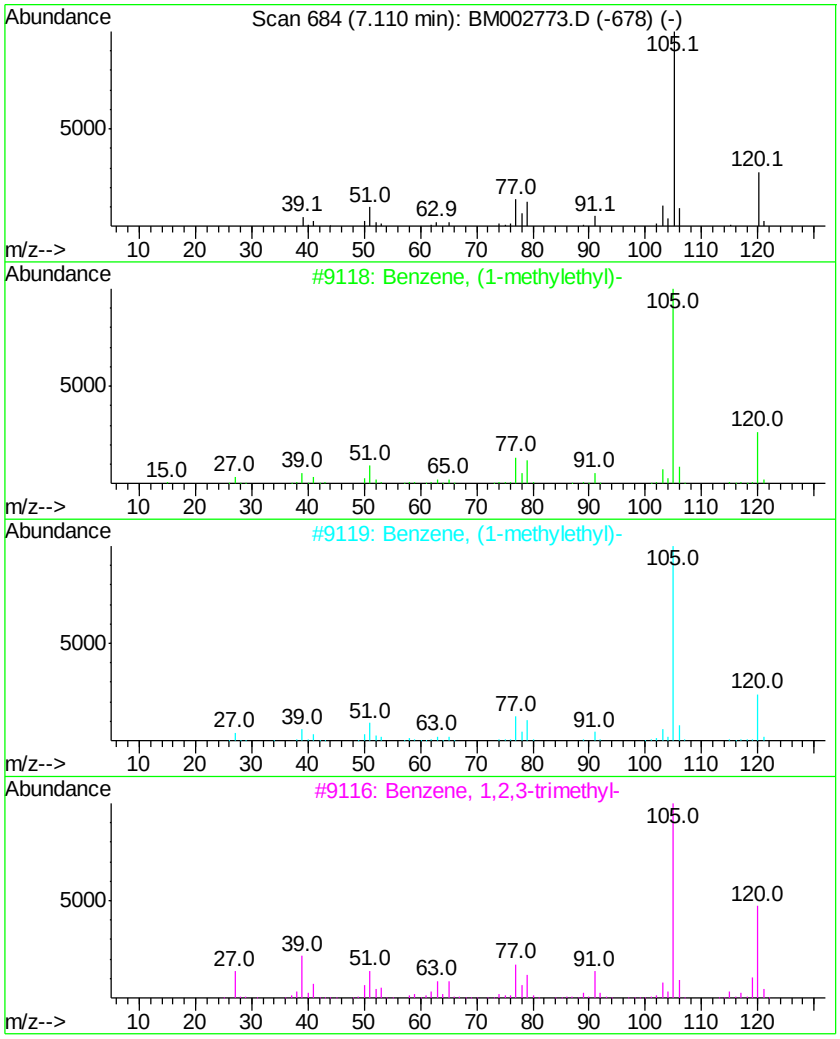
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

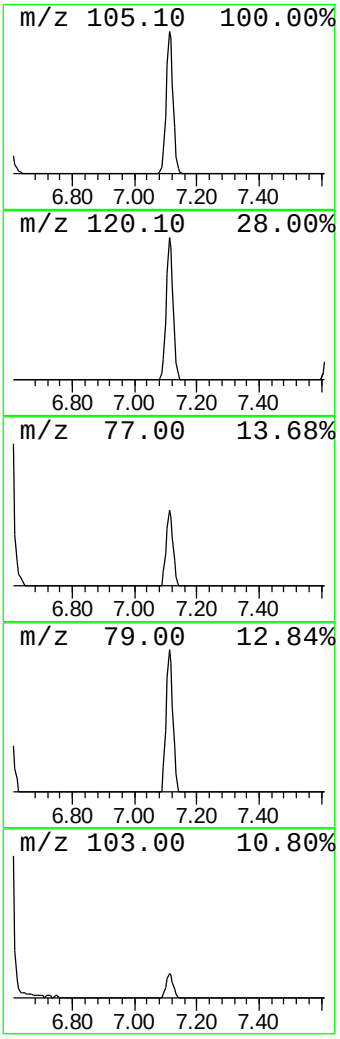
****

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	4.57 ng/ul	116854	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

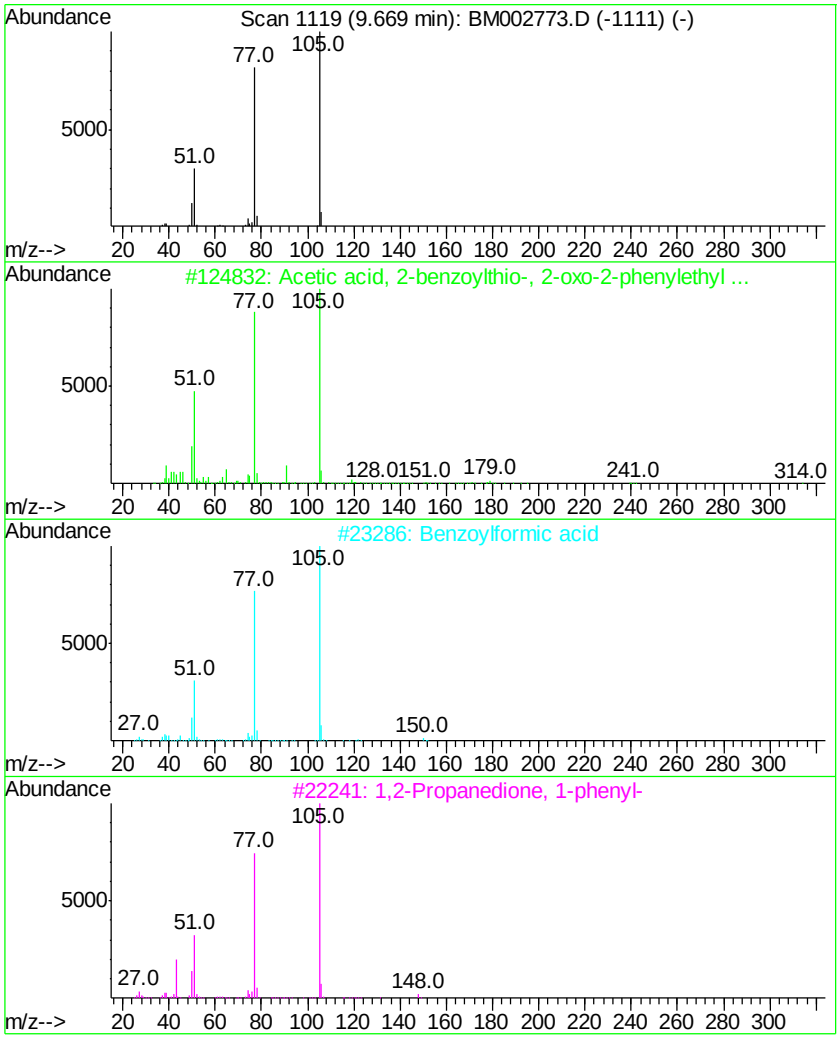
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

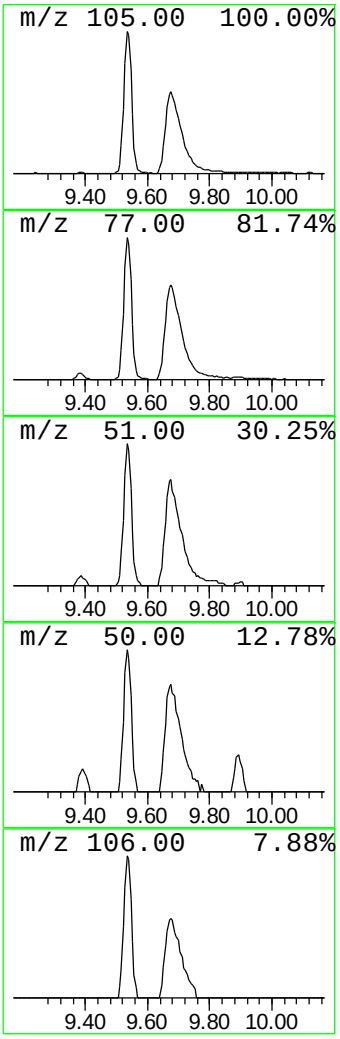
****

Peak Number 6 Acetic acid, 2-benzoylthio-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	13.74 ng/ul	351666	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-benzoylthio-, 2-o...	314	C17H14O4S	1000260-20-1	83
2	Benzoylformic acid	150	C8H6O3	000611-73-4	83
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	83
4	Phenacylidene diacetate	236	C12H12O5	005062-30-6	83
5	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

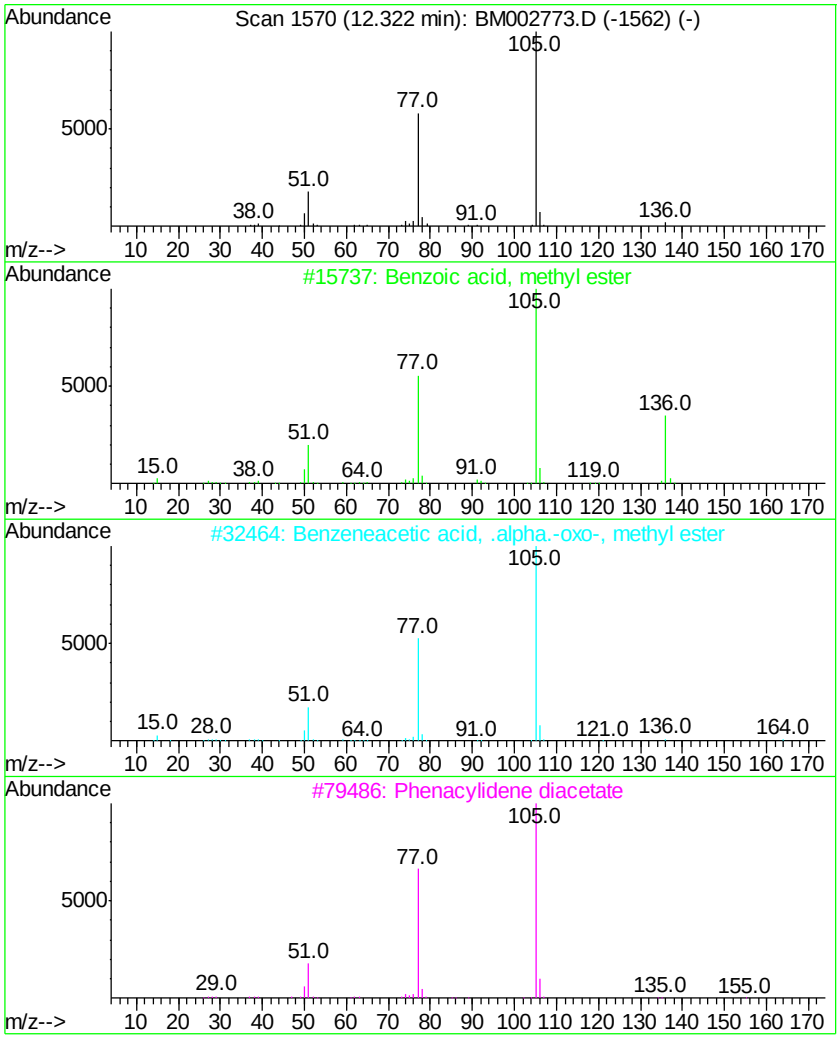
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

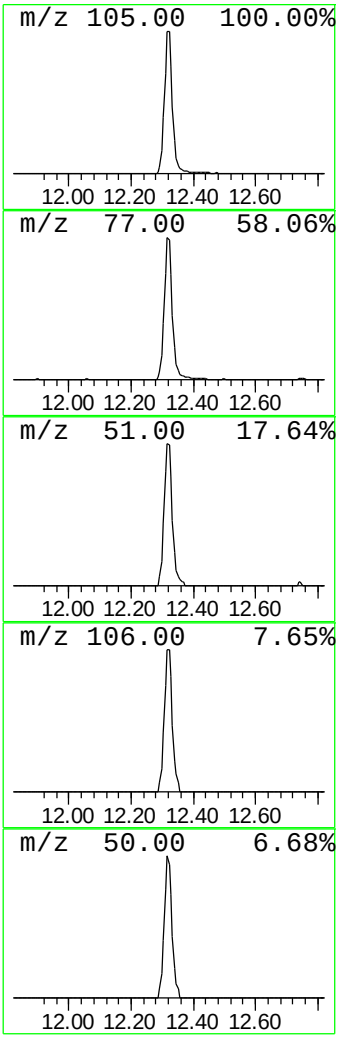
****

Peak Number 8 Benzoic acid, methyl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	7.22 ng/ul	273484	Naphthalene-d8	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, methyl ester	136	C8H8O2	000093-58-3	83
2	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	83
3	Phenacylidene diacetate	236	C12H12O5	005062-30-6	83
4	Benzoic acid, hydrazide	136	C7H8N2O	000613-94-5	83
5	.alpha.,.alpha.-Dichloroacetophe...	188	C8H6Cl2O	002648-61-5	83





Library Search Compound Report

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Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

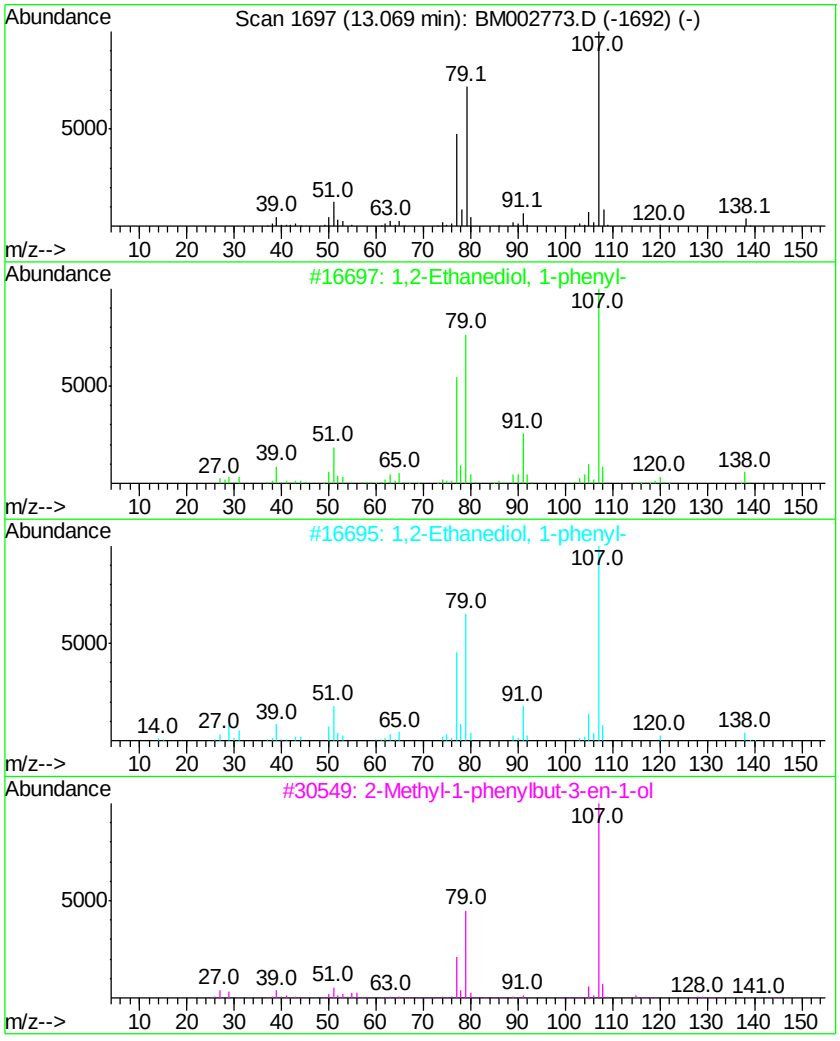
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

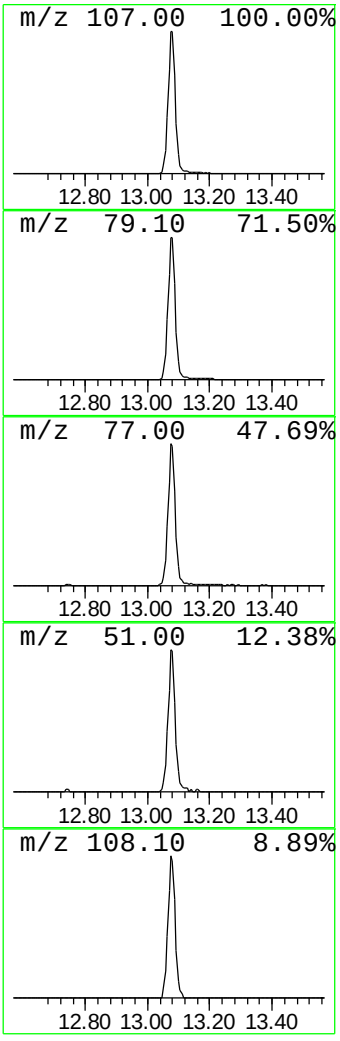
****

Peak Number 9 1,2-Ethanediol, 1-phenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	19.43 ng/ul	736392	Naphthalene-d8	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Ethanediol, 1-phenyl-	138	C8H10O2	000093-56-1	91
2	1,2-Ethanediol, 1-phenyl-	138	C8H10O2	000093-56-1	86
3	2-Methyl-1-phenylbut-3-en-1-ol	162	C11H14O	025201-44-9	83
4	Benzeneacetic acid, .alpha.-hydr...	152	C8H8O3	000611-72-3	83
5	1,2-Ethanediol, 1-phenyl-	138	C8H10O2	000093-56-1	80





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Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

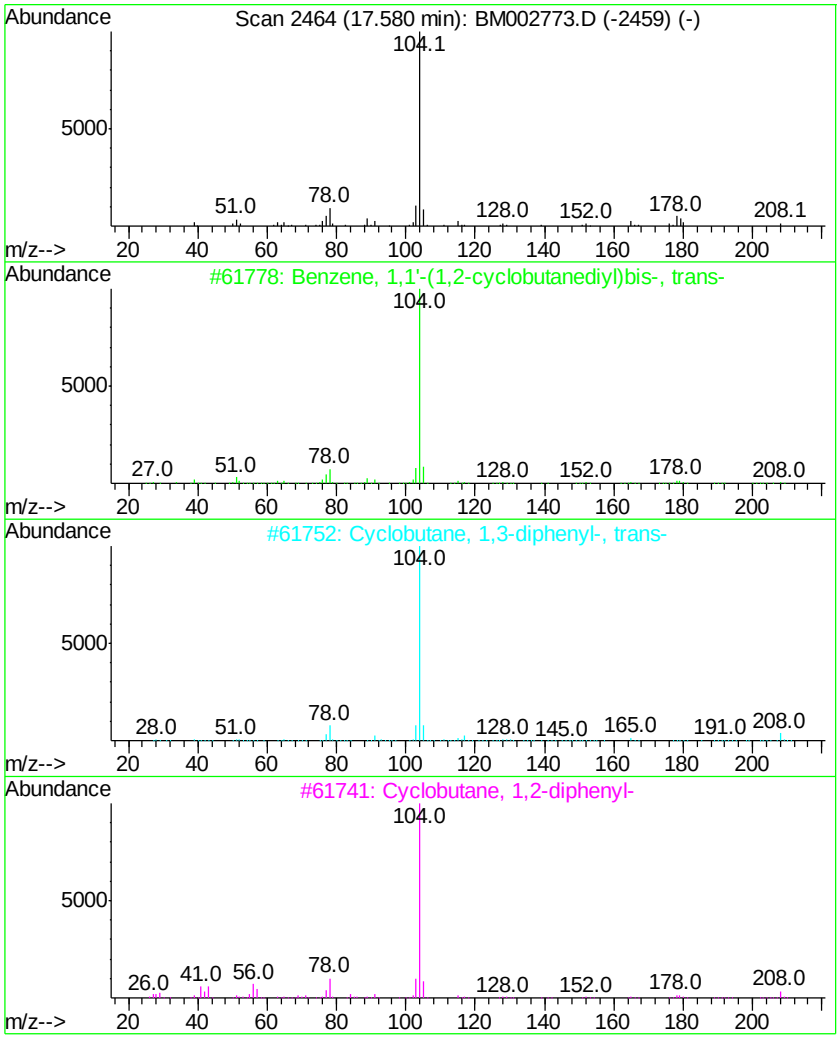
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

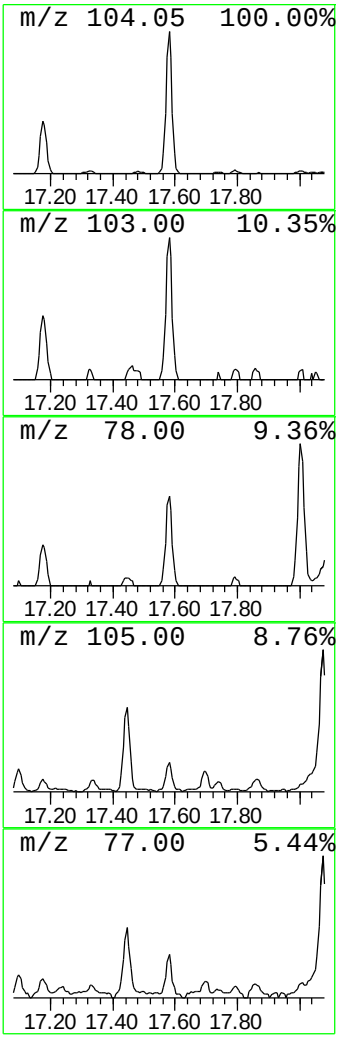
****

Peak Number 10 Benzene, 1,1'-(1,2-cyclobut... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	3.30 ng/ul	166976	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	90
2	Cyclobutane, 1,3-diphenyl-, trans-	208	C16H16	025558-23-0	64
3	Cyclobutane, 1,2-diphenyl-	208	C16H16	003018-21-1	50
4	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	50
5	Styrene	104	C8H8	000100-42-5	42





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Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

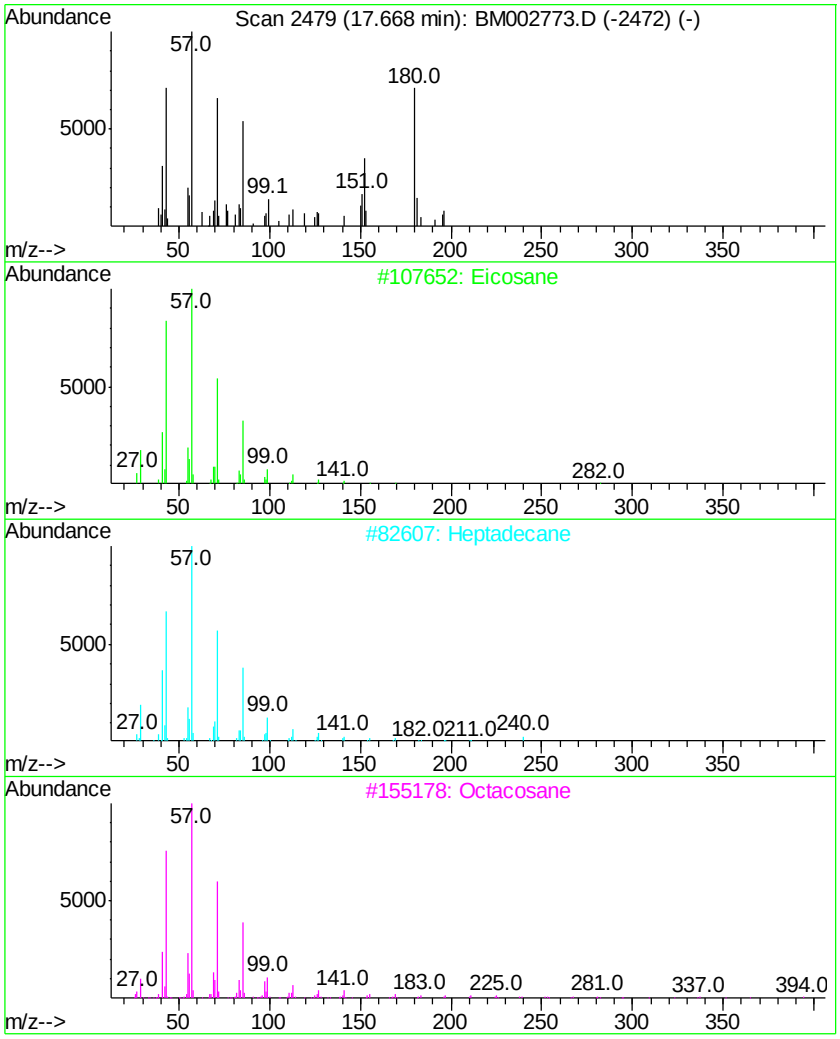
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

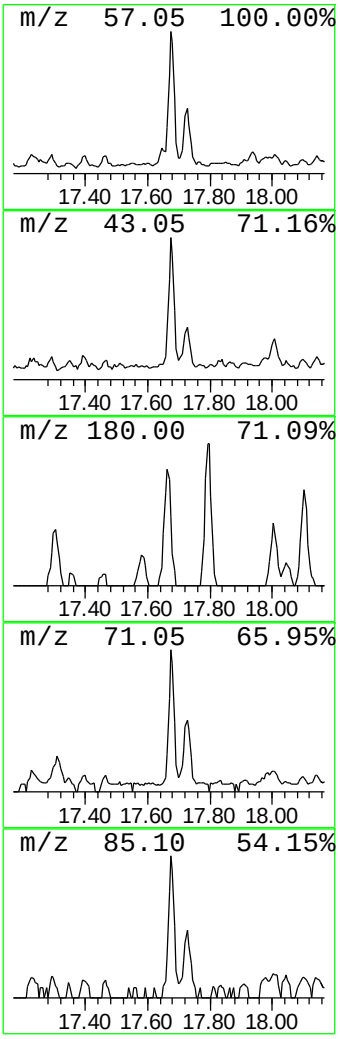
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	2.14 ng/ul	108100	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	64
2	Heptadecane	240	C17H36	000629-78-7	62
3	Octacosane	394	C28H58	000630-02-4	58
4	Tetradecane	198	C14H30	000629-59-4	58
5	Pentadecane	212	C15H32	000629-62-9	58





Library Search Compound Report

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Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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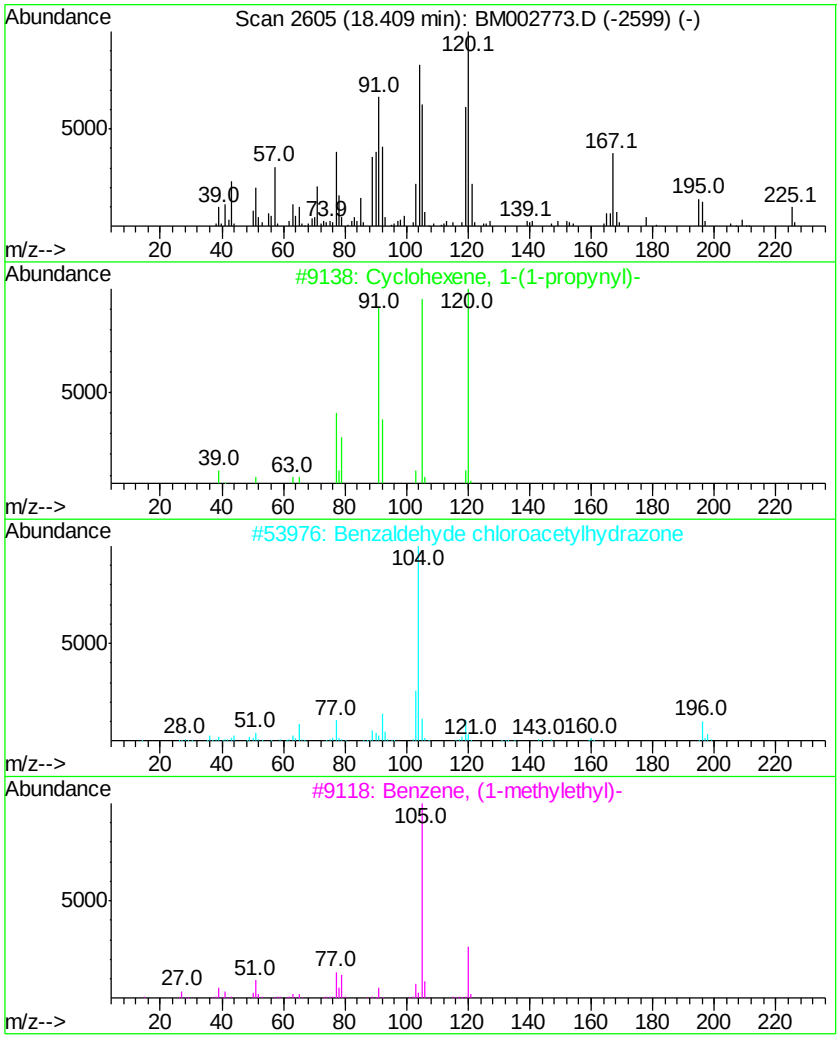
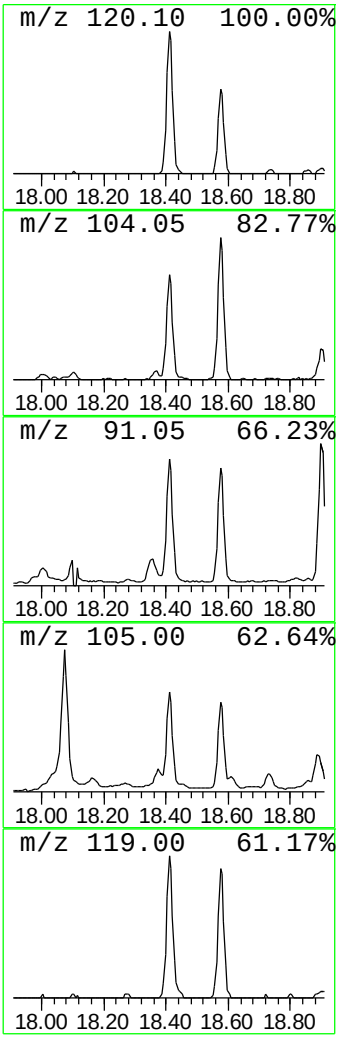
Peak Number 12 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	7.14 ng/ul	361174	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-(1-propynyl)-	120	C9H12	001655-05-6	30
2	Benzaldehyde chloroacetylhydrazone	196	C9H9ClN2O	000775-25-7	25
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	22
4	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	18
5	Ethanedione, (4-aminophenyl)phenyl-	225	C14H11NO2	031029-96-6	16





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Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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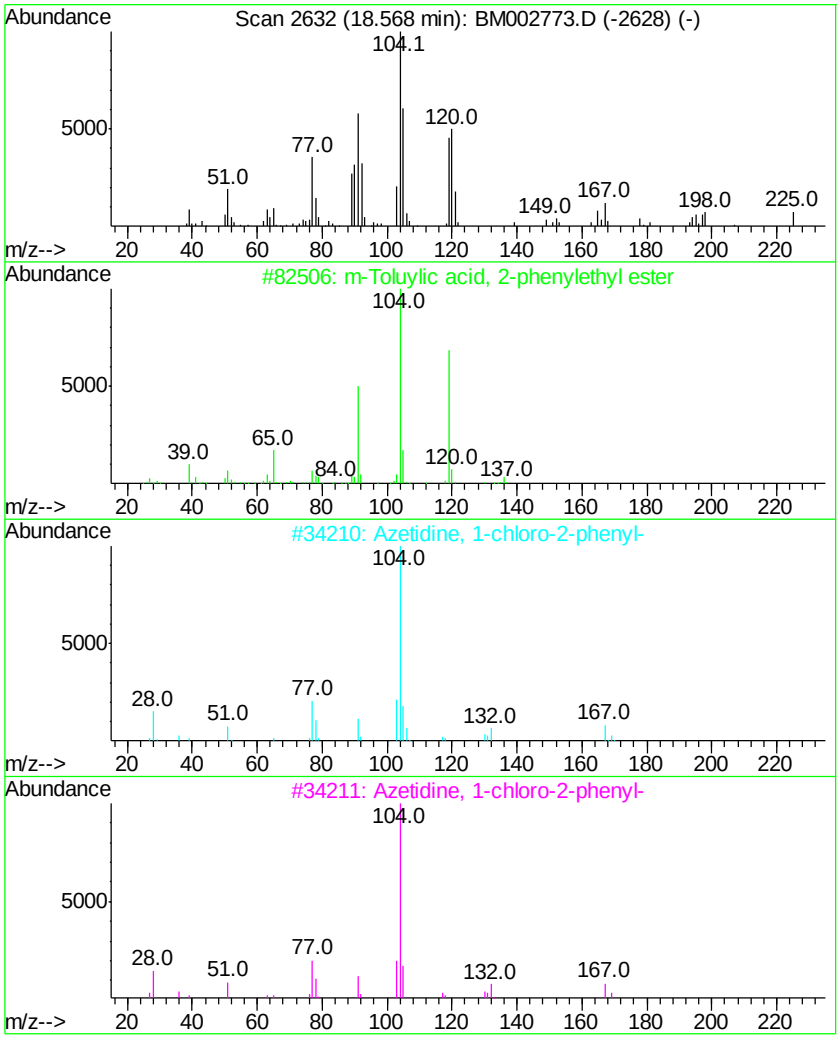
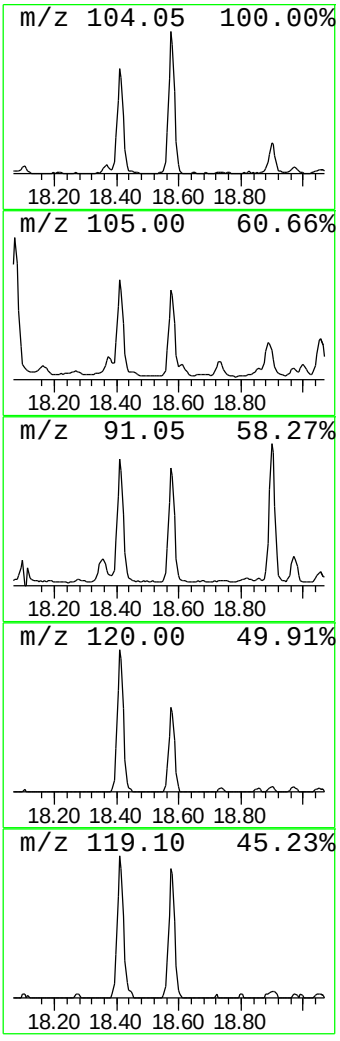
Peak Number 13 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.27 ng/ul	266829	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Toluylic acid, 2-phenylethyl e...	240	C16H16O2	006641-74-3	43
2	Azetidine, 1-chloro-2-phenyl-	167	C9H10ClN	030839-64-6	30
3	Azetidine, 1-chloro-2-phenyl-	167	C9H10ClN	030839-64-6	27
4	Thiourea, ethyl-	104	C3H8N2S	000625-53-6	22
5	1,2-Benzenedimethanol	138	C8H10O2	000612-14-6	22





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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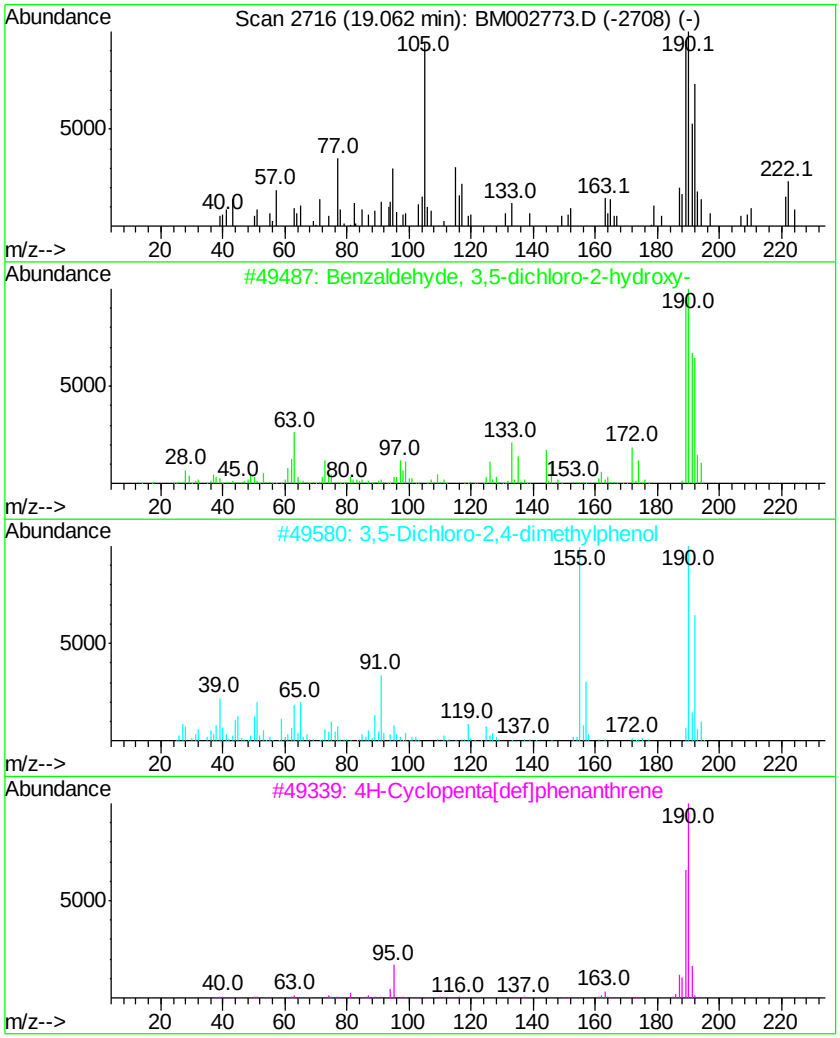
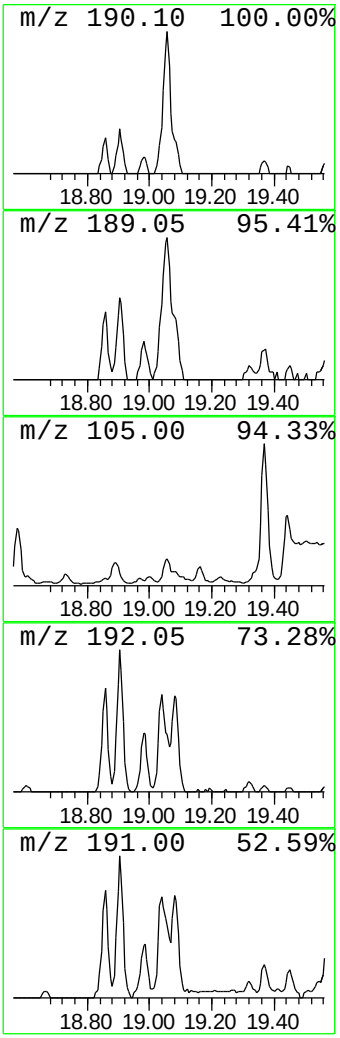
Peak Number 14 Benzaldehyde, 3,5-dichloro-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.81 ng/ul	142228	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	3,5-Dichloro-2,4-dimethylphenol	190	C8H8Cl2O	1000250-17-3	43
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





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Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

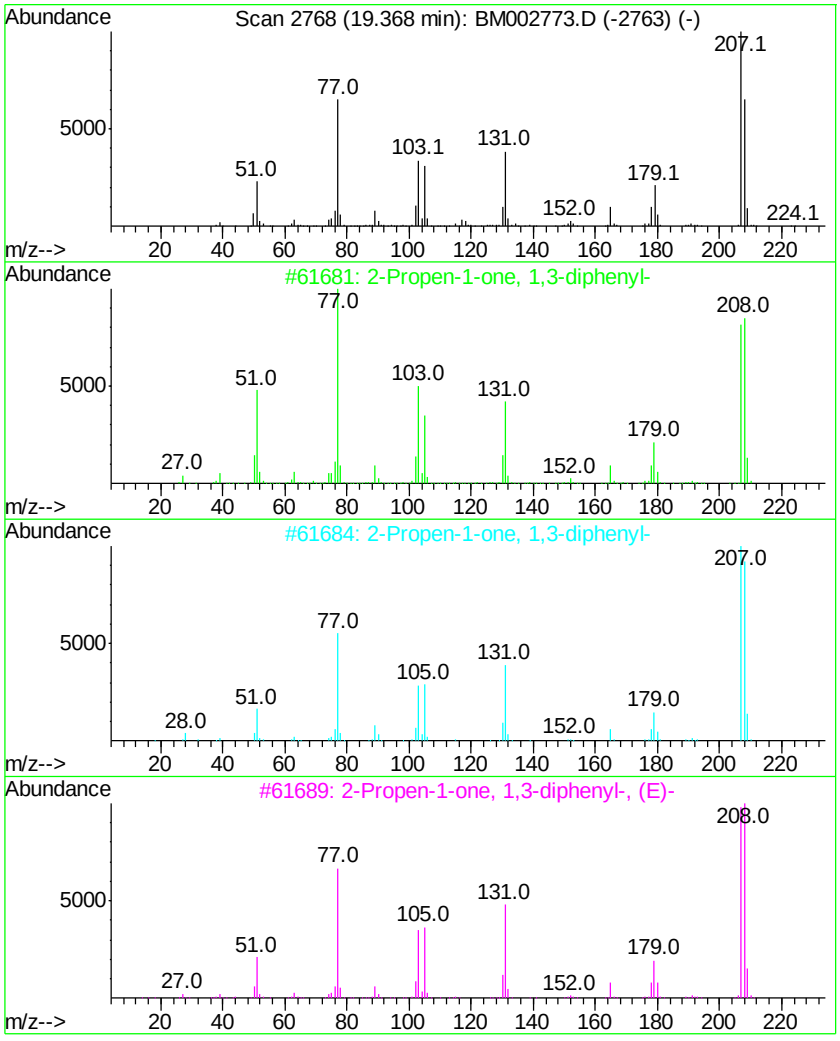
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

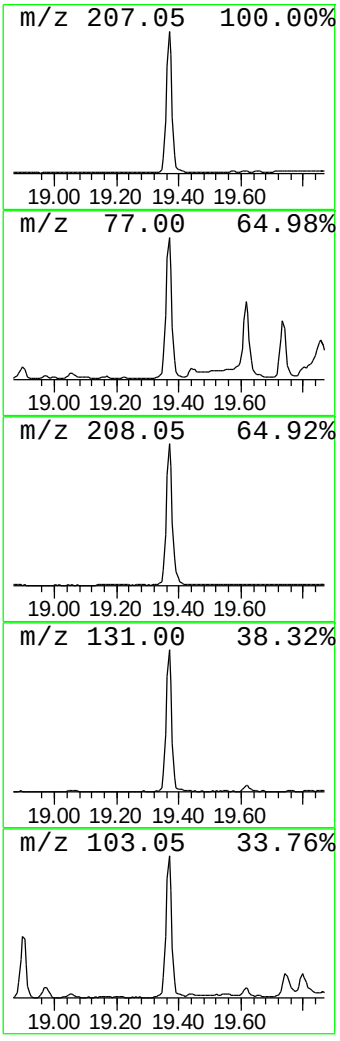
****

Peak Number 15 2-Propen-1-one, 1,3-diphenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	18.71 ng/ul	946815	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-one, 1,3-diphenyl-	208	C15H12O	000094-41-7	97
2	2-Propen-1-one, 1,3-diphenyl-	208	C15H12O	000094-41-7	95
3	2-Propen-1-one, 1,3-diphenyl-, (E)-	208	C15H12O	000614-47-1	90
4	2-Vinylbenzophenone	208	C15H12O	052095-42-8	90
5	2-Propen-1-one, 1,3-diphenyl-, (E)-	208	C15H12O	000614-47-1	89





Library Search Compound Report

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Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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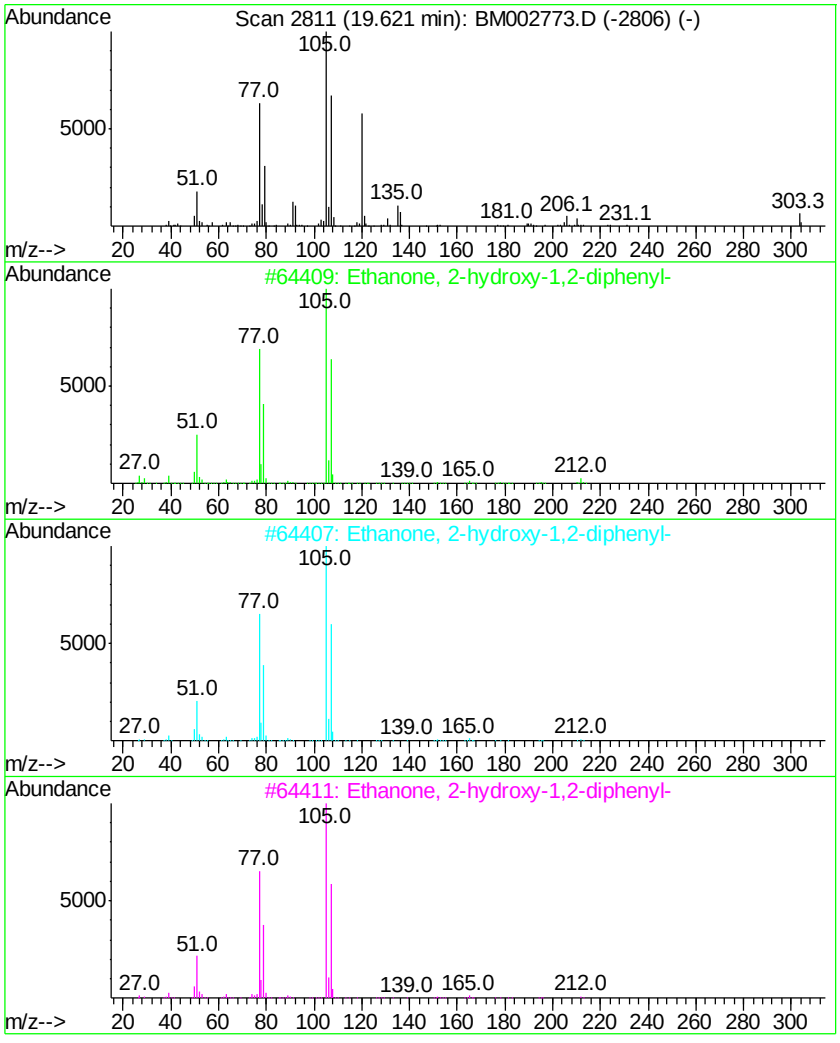
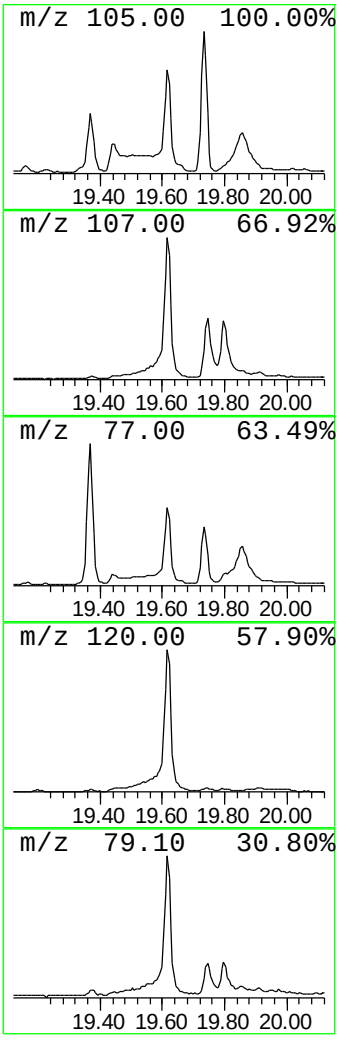
Peak Number 16 Ethanone, 2-hydroxy-1,2-dip... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	9.28 ng/ul	469784	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 2-hydroxy-1,2-diphenyl-	212	C14H12O2	000119-53-9	52
2	Ethanone, 2-hydroxy-1,2-diphenyl-	212	C14H12O2	000119-53-9	52
3	Ethanone, 2-hydroxy-1,2-diphenyl-	212	C14H12O2	000119-53-9	50
4	Benzoin	212	C14H12O2	000579-44-2	49
5	7-Benzoylheptanoic acid	234	C14H18O3	066147-75-9	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
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Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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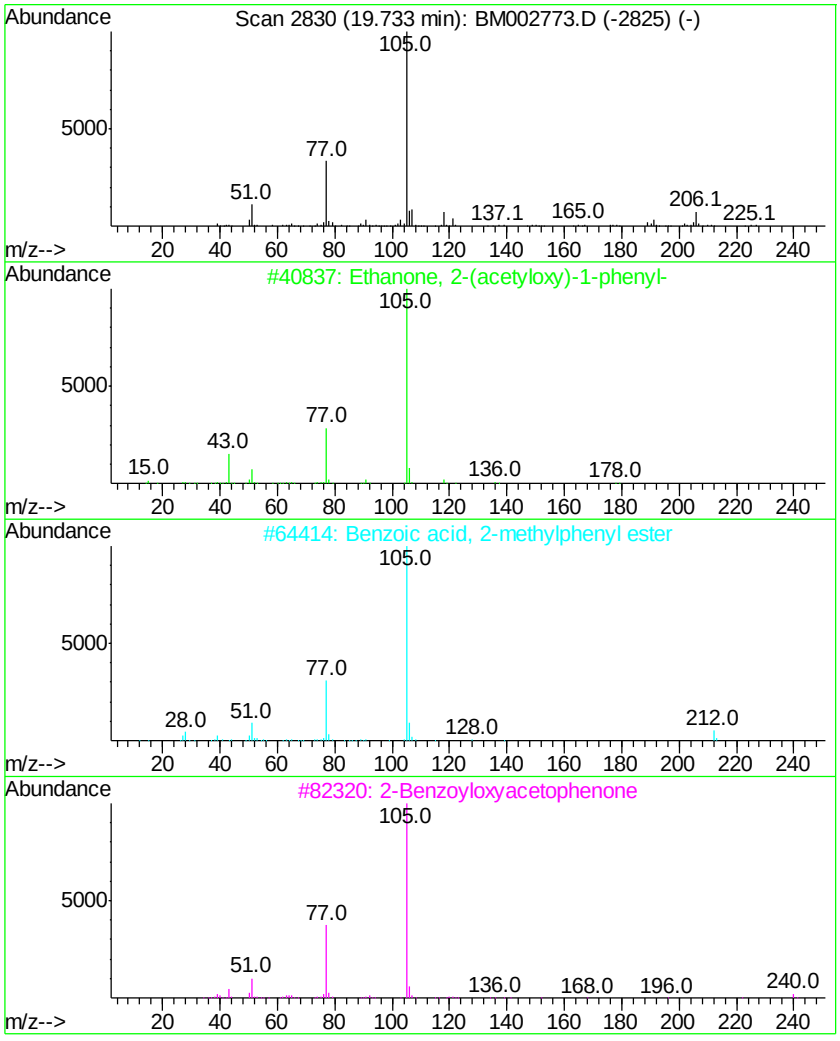
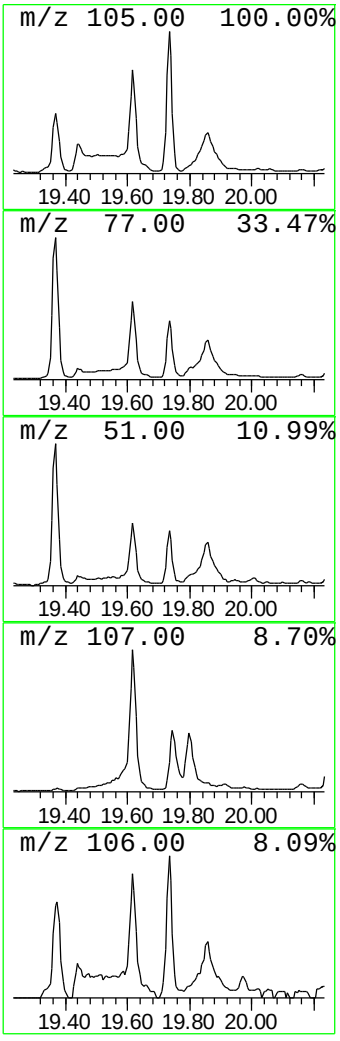
Peak Number 17 Ethanone, 2-(acetyloxy)-1-p... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	7.56 ng/ul	382715	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 2-(acetyloxy)-1-phenyl-	178	C10H10O3	002243-35-8	58
2	Benzoic acid, 2-methylphenyl ester	212	C14H12O2	000617-02-7	53
3	2-Benzoyloxyacetophenone	240	C15H12O3	004010-33-7	53
4	Benzamide, N-(1,1-dimethylethyl)...	191	C12H17NO	049690-12-2	53
5	2',4'-Benzoxylidide	225	C15H15NO	006328-77-4	52





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Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

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Quant Title : SVOA CALIBRATION

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

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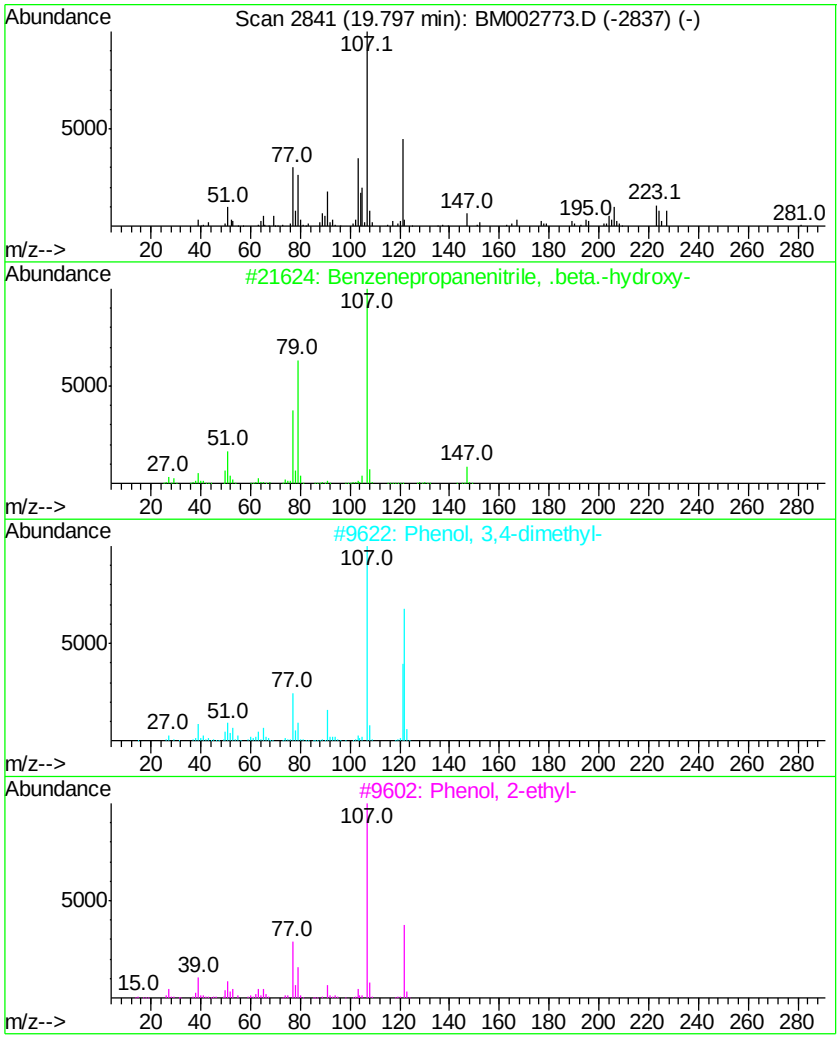
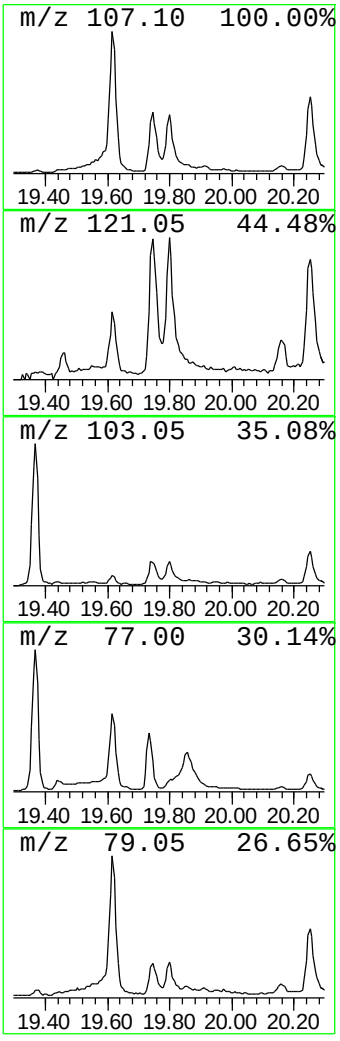
Peak Number 18 Benzenepropanenitrile, .bet... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.59 ng/ul	131140	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanenitrile, .beta.-hy...	147	C9H9NO	017190-29-3	52
2	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	50
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	49
4	Benzeneacetic acid, .alpha.-hydr...	210	C11H14O4	1000221-86-4	47
5	N-Guanyl-l-tyrosine	223	C10H13N3O3	1000130-18-1	47





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Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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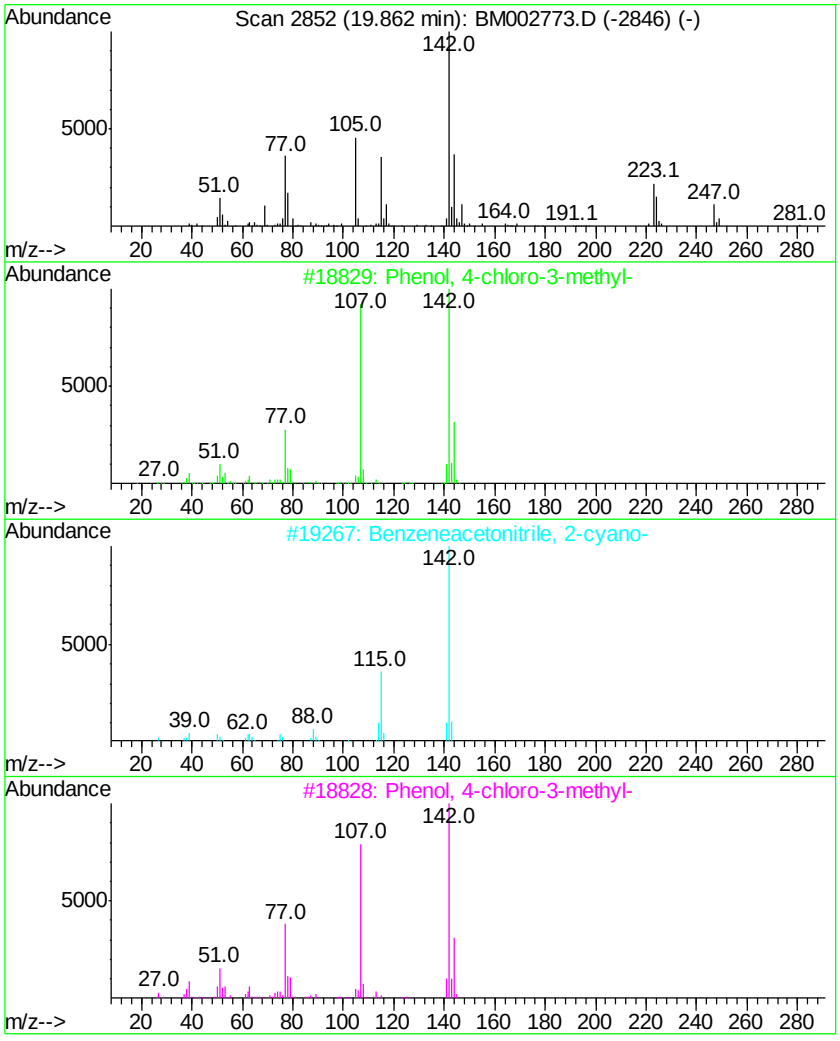
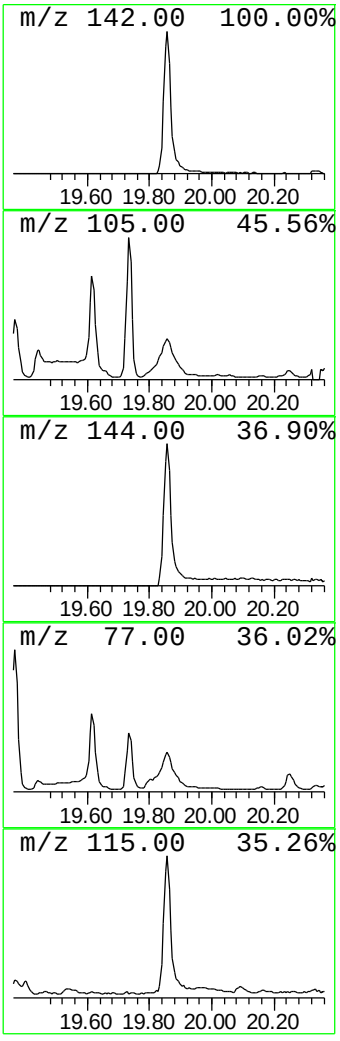
Peak Number 19 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	12.05 ng/ul	609634	Phenanthrene-d10	18.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-chloro-3-methyl-	142	C7H7ClO	000059-50-7	49
2	Benzeneacetonitrile, 2-cyano-	142	C9H6N2	003759-28-2	47
3	Phenol, 4-chloro-3-methyl-	142	C7H7ClO	000059-50-7	47
4	1,3-Benzenediamine, 4-chloro-	142	C6H7ClN2	005131-60-2	47
5	Phenol, 4-chloro-2-methyl-	142	C7H7ClO	001570-64-5	47





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Quant Title : SVOA CALIBRATION

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

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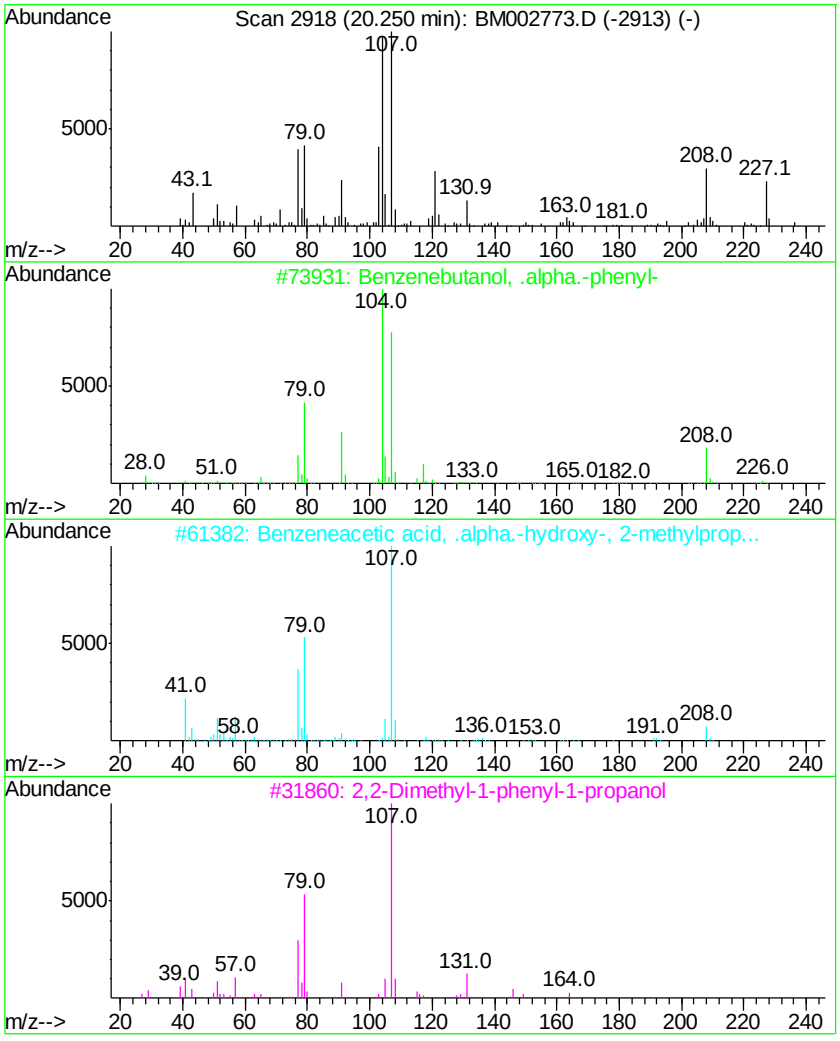
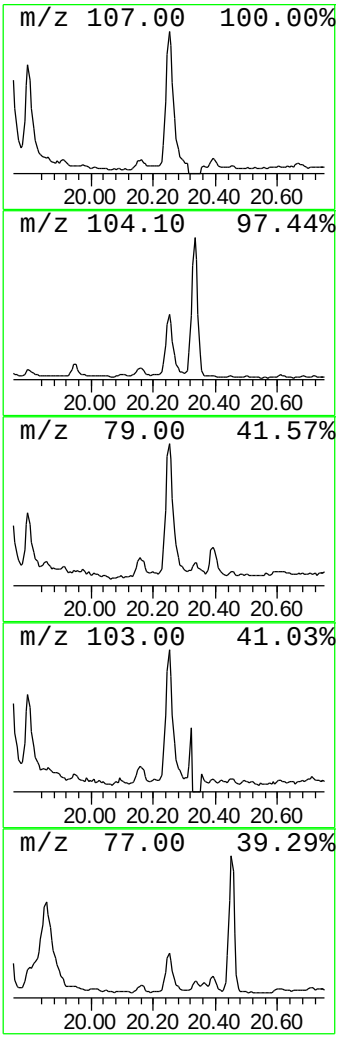
Peak Number 20 Benzenebutanol, .alpha.-phe... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	3.63 ng/ul	265369	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenebutanol, .alpha.-phenyl-	226	C16H18O	030078-89-8	50
2	Benzeneacetic acid, .alpha.-hydr...	208	C12H16O3	1000131-77-7	46
3	2,2-Dimethyl-1-phenyl-1-propanol	164	C11H16O	003835-64-1	46
4	Mandelanilide	227	C14H13NO2	004410-33-7	43
5	Felbamate	238	C11H14N2O4	025451-15-4	38





Library Search Compound Report

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Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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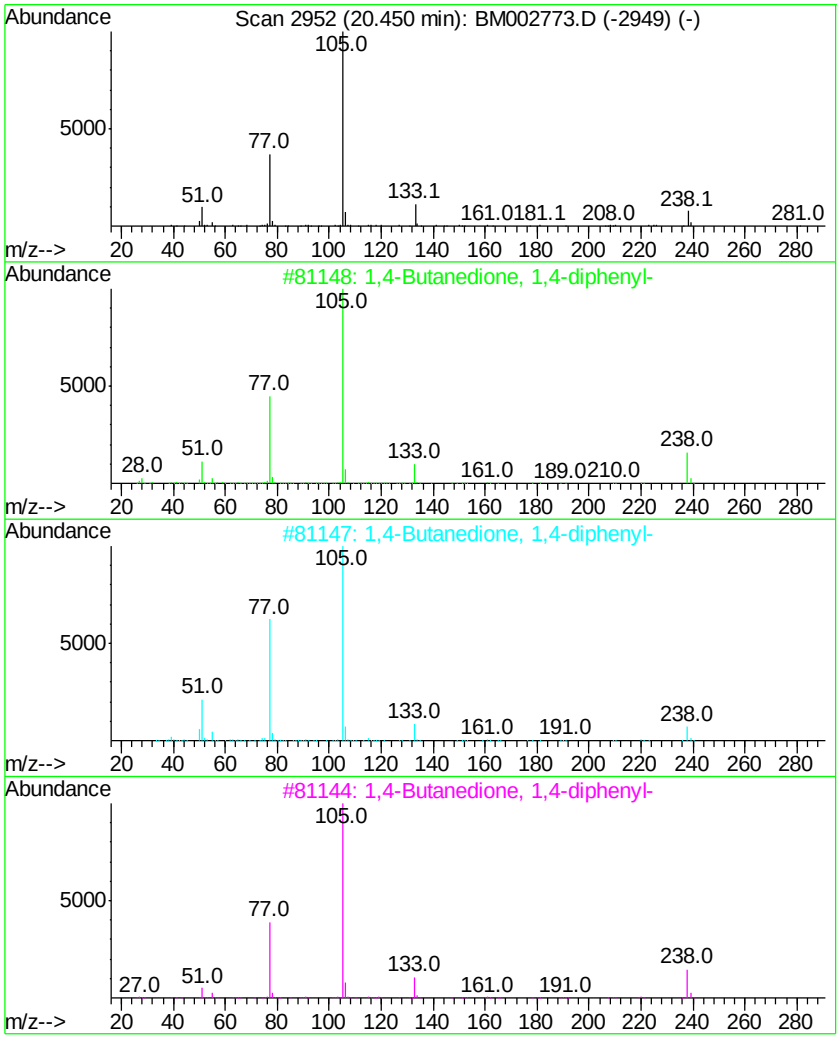
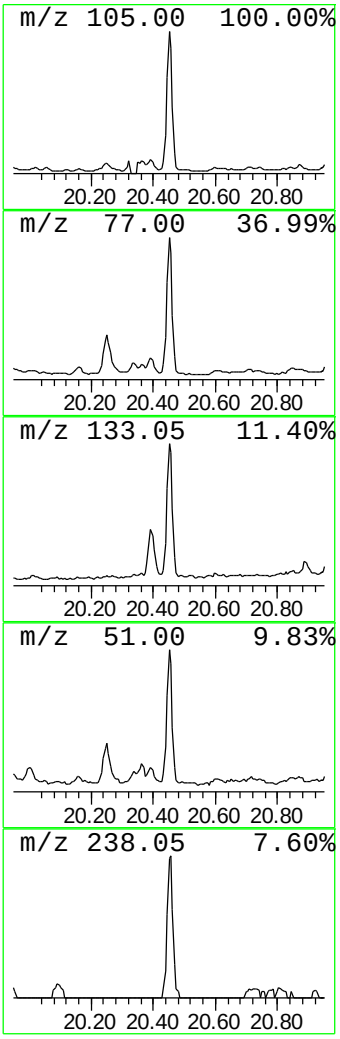
Peak Number 21 1,4-Butanedione, 1,4-diphenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	2.65 ng/ul	193914	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Butanedione, 1,4-diphenyl-	238	C16H14O2	000495-71-6	87
2	1,4-Butanedione, 1,4-diphenyl-	238	C16H14O2	000495-71-6	87
3	1,4-Butanedione, 1,4-diphenyl-	238	C16H14O2	000495-71-6	83
4	1,4-Butanedione, 1,4-diphenyl-	238	C16H14O2	000495-71-6	78
5	[2-(2-Hydroxyphenyl)cyclopropyl]...	238	C16H14O2	1000145-30-8	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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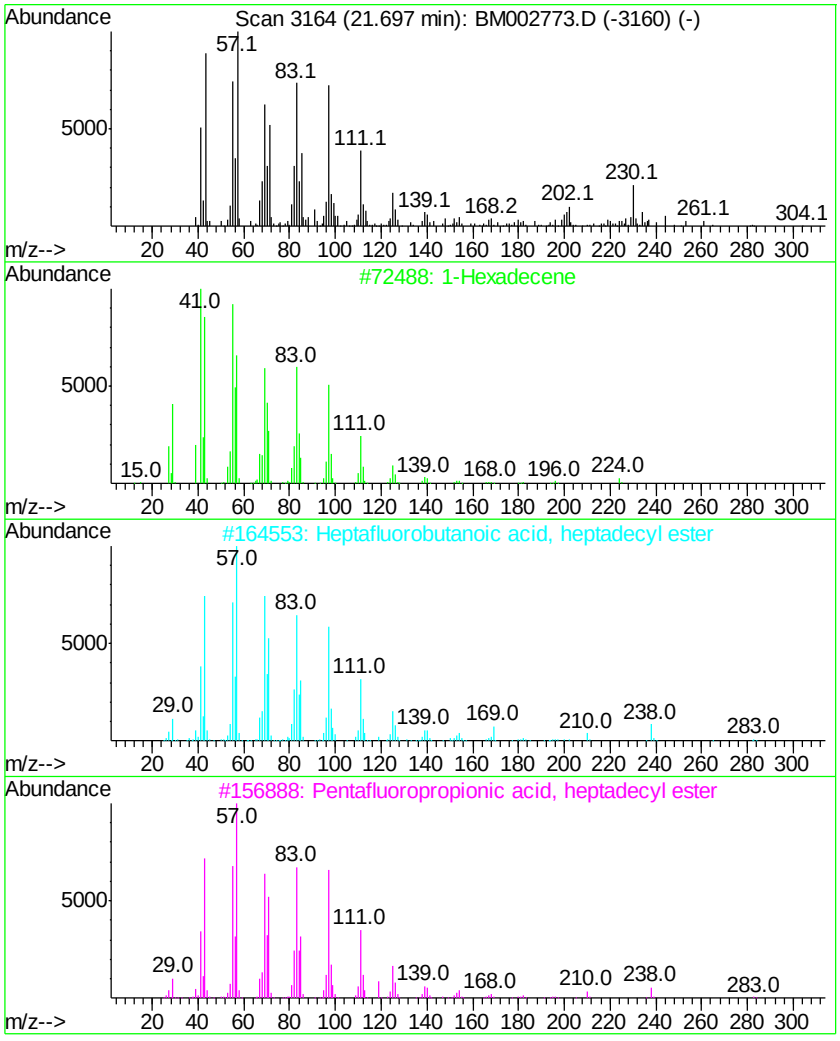
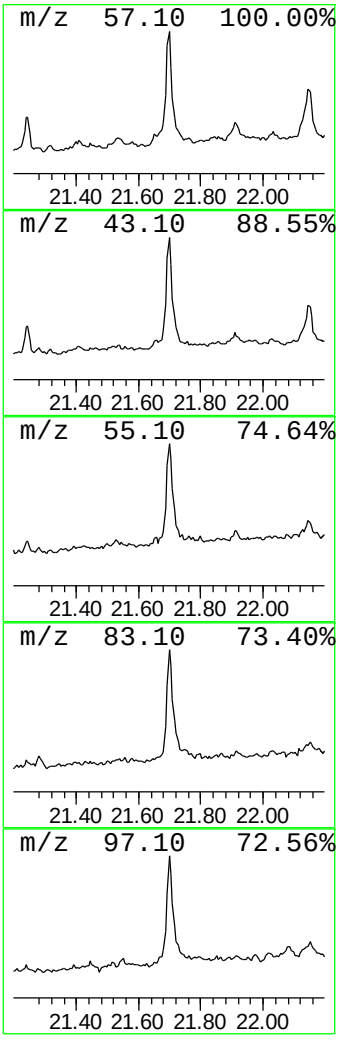
Peak Number 22 (DEL) Alkane: Cyclic21.70 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	2.97 ng/ul	216955	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecene	224	C16H32	000629-73-2	95
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	91
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	87
5	1-Octadecanol	270	C18H38O	000112-92-5	76





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Data File : BM002773.D
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Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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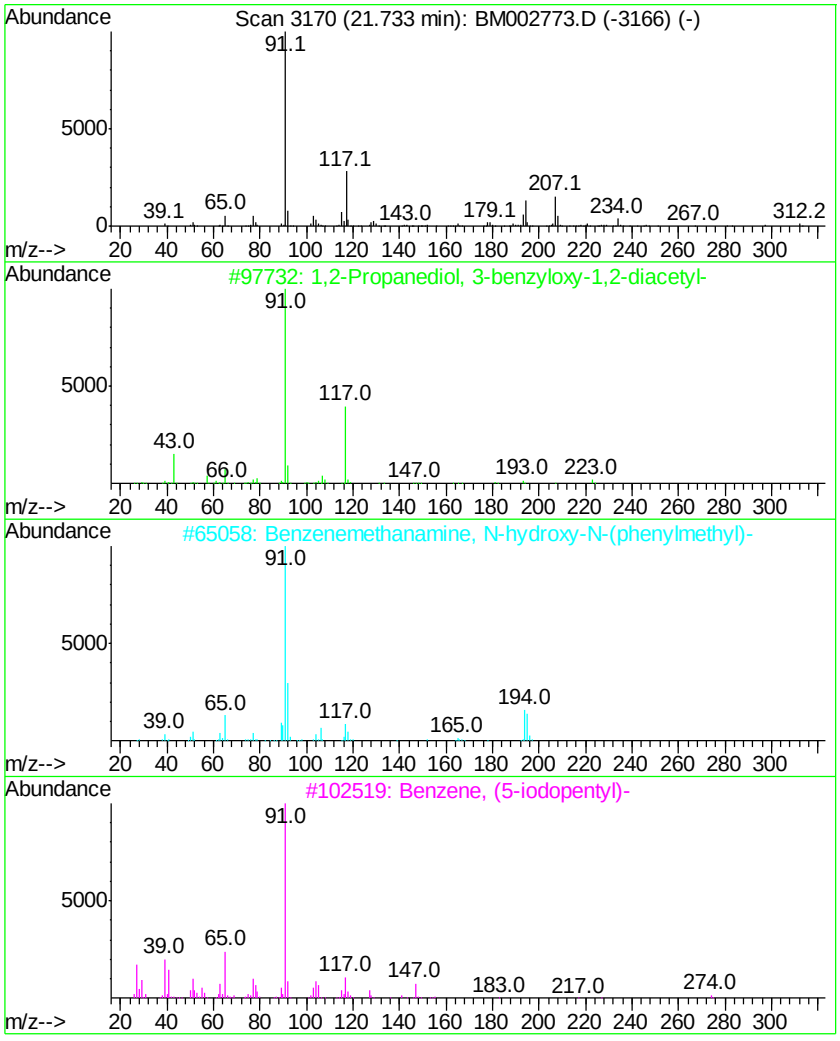
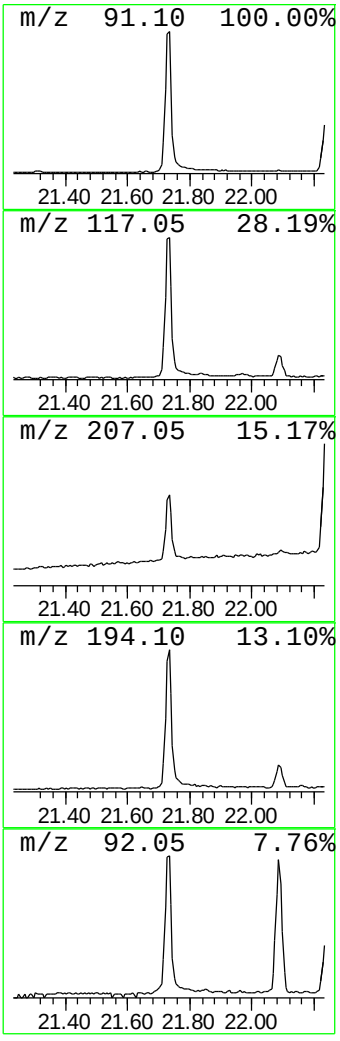
Peak Number 23 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	8.43 ng/ul	616525	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Propanediol, 3-benzyloxy-1,2...	266	C14H18O5	013754-10-4	32
2	Benzenemethanamine, N-hydroxy-N-...	213	C14H15NO	000621-07-8	17
3	Benzene, (5-iodopentyl)-	274	C11H15I	099858-37-4	10
4	Alpha-phenyl-alpha-tropylacetald...	378	C22H22N2O2S	022532-16-7	10
5	Benzenemethanamine, N-(phenylmet...	195	C14H13N	000780-25-6	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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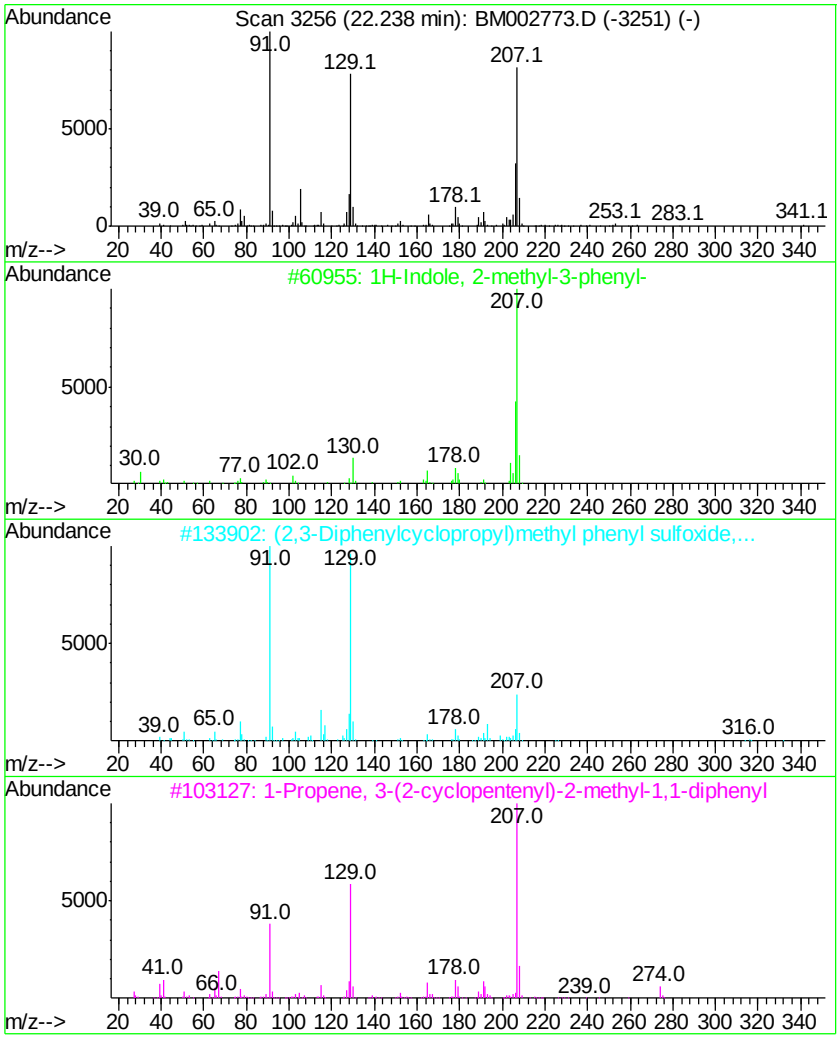
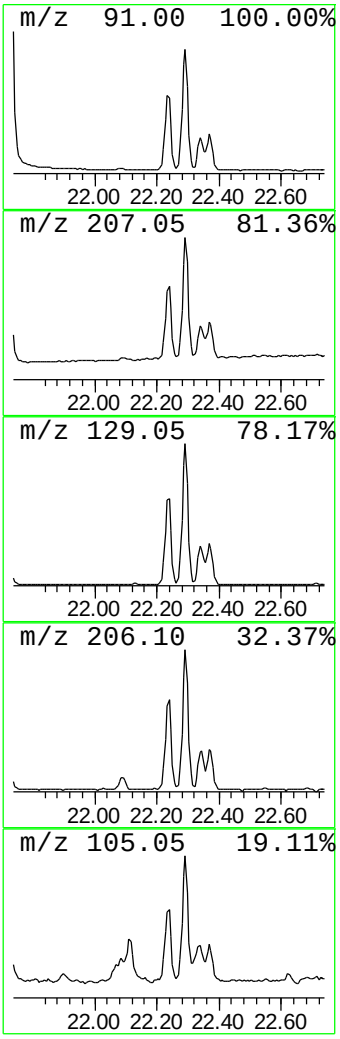
Peak Number 24 1H-Indole, 2-methyl-3-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.24	4.34 ng/ul	317583	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	50
2	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	47
3	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	47
4	Methadone N-oxide	325	C21H27NO2	1000120-80-7	47
5	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	46





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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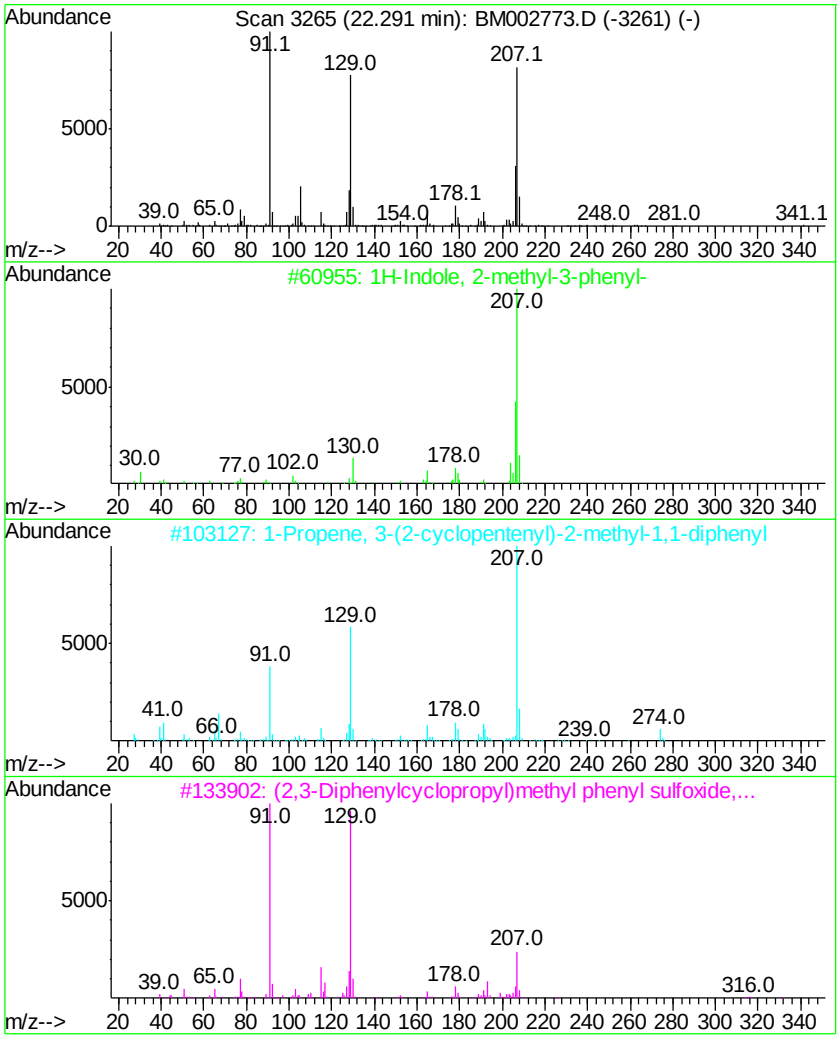
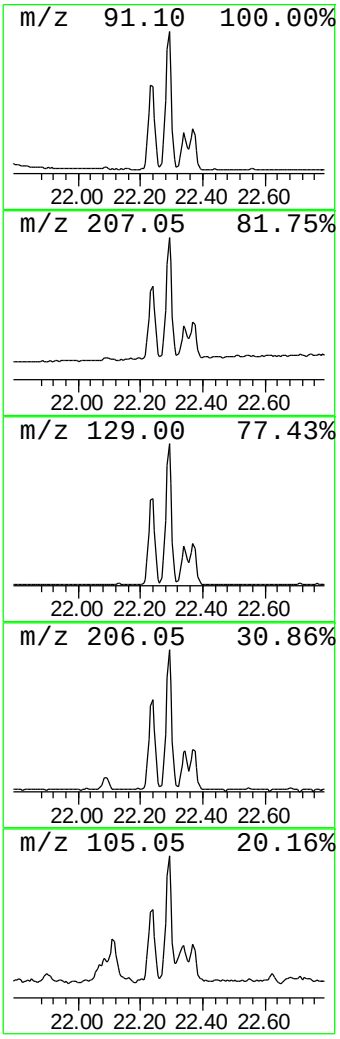
Peak Number 25 unknown-05 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	6.85 ng/ul	501118	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	50
2	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	47
3	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	47
4	Methadone N-oxide	325	C21H27NO2	1000120-80-7	47
5	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	46





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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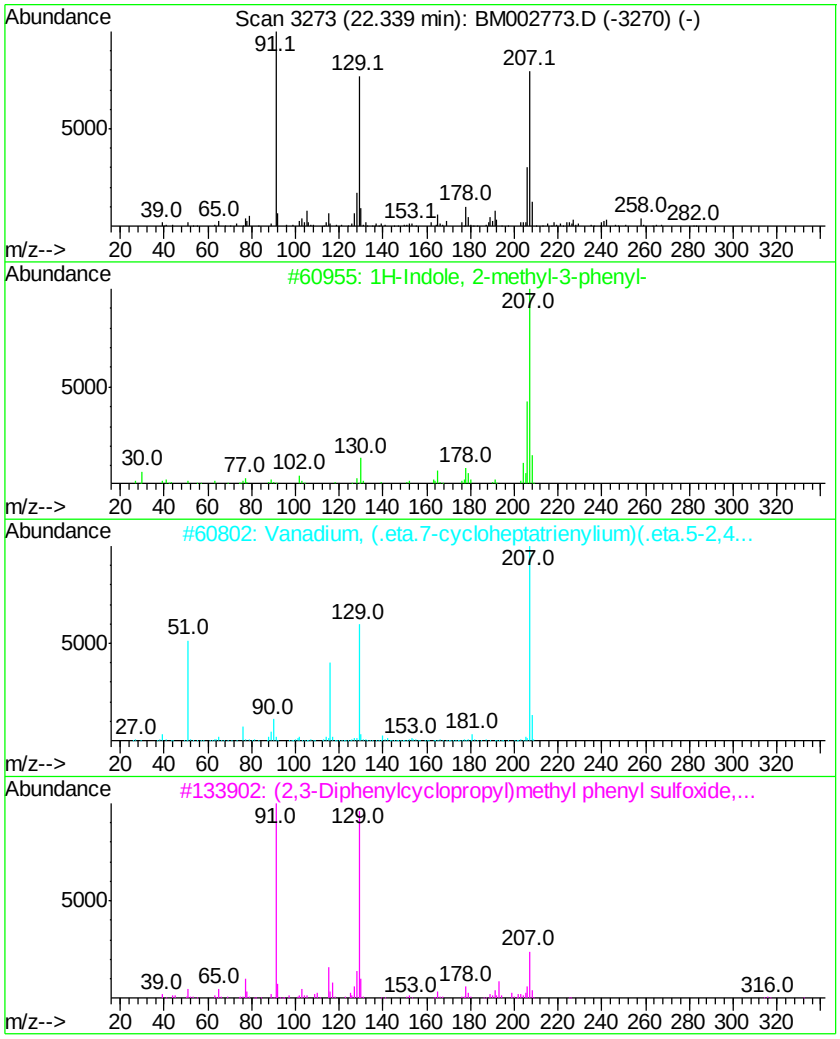
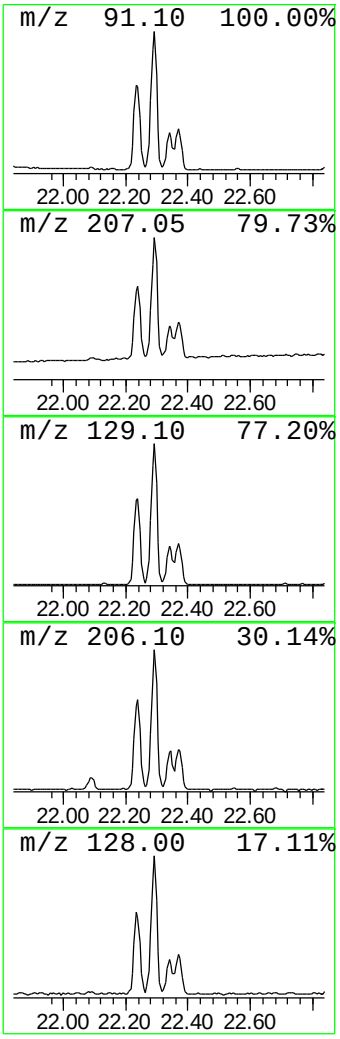
Peak Number 26 unknown-06 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	2.20 ng/ul	161056	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	50
2	Vanadium, (.eta.7-cycloheptatrie...	207	C12H12V	012636-68-9	38
3	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	37
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	35
5	Isoquinoline	129	C9H7N	000119-65-3	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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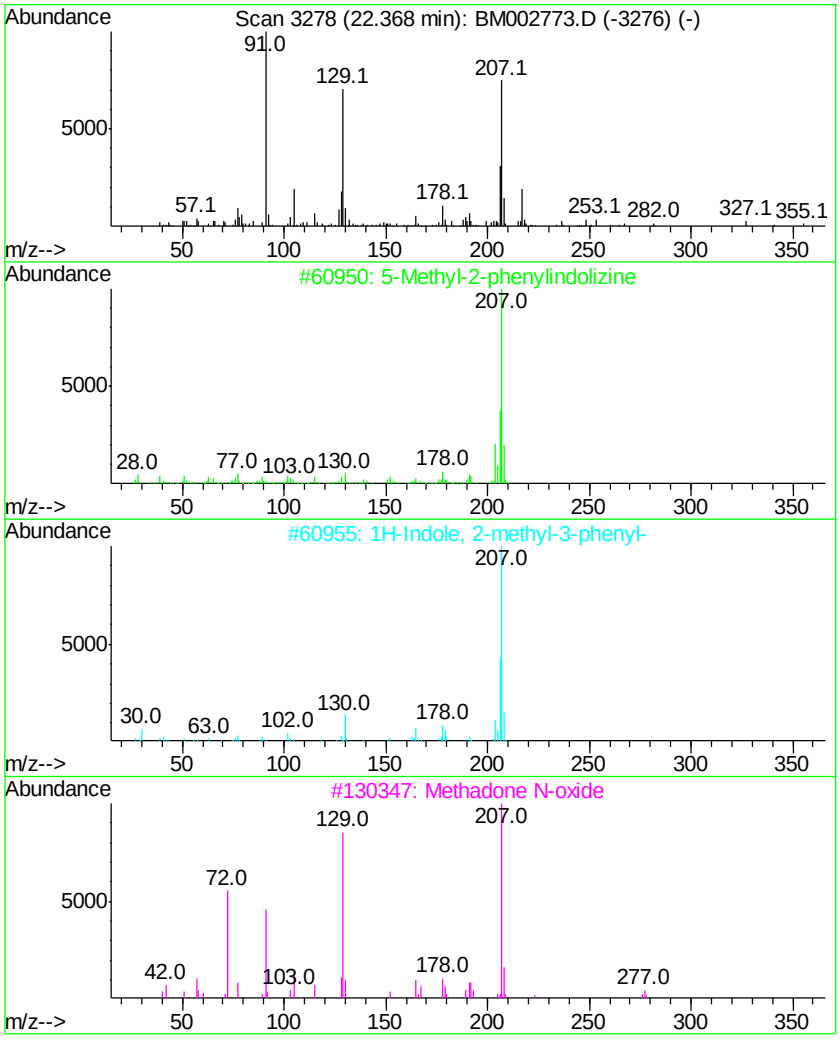
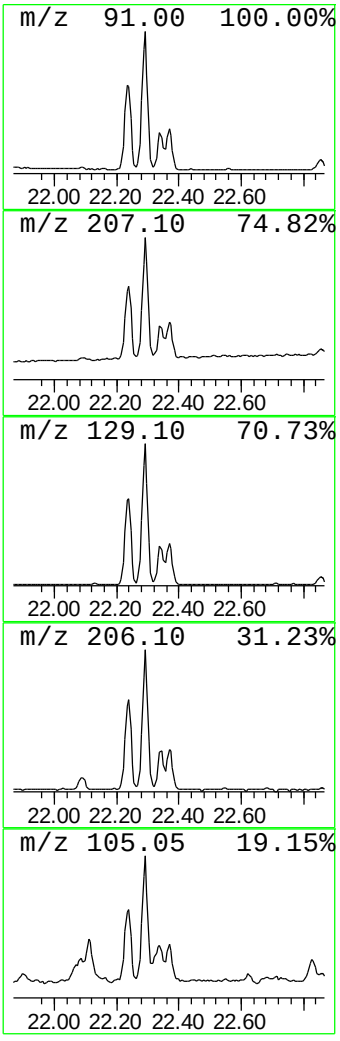
Peak Number 27 unknown-07 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.37	2.04 ng/ul	149166	Chrysene-d12	22.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	49
2	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	43
3	Methadone N-oxide	325	C21H27NO2	1000120-80-7	40
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	38
5	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
Data File : BM002773.D
Acq On : 30 Sep 2015 07:47
Operator : UM/IZ
Sample : G3838-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : E5MX0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.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...	3.45	7.9	ng/ul	203279	1	8.70	511873	20.0
Benzene, (1-methy...	7.11	4.6	ng/ul	116854	1	8.70	511873	20.0
Acetic acid, 2-be...	9.67	13.7	ng/ul	351666	1	8.70	511873	20.0
Benzoic acid, met...	12.32	7.2	ng/ul	273484	2	11.56	757868	20.0
1,2-Ethanediol, 1...	13.07	19.4	ng/ul	736392	2	11.56	757868	20.0
Benzene, 1,1'-(1,...	17.58	3.3	ng/ul	166976	4	18.00	1012180	20.0
(DEL) Alkane: Str...	17.67	2.1	ng/ul	108100	4	18.00	1012180	20.0
unknown-01	18.41	7.1	ng/ul	361174	4	18.00	1012180	20.0
unknown-02	18.57	5.3	ng/ul	266829	4	18.00	1012180	20.0
Benzaldehyde, 3,5...	19.06	2.8	ng/ul	142228	4	18.00	1012180	20.0
2-Propen-1-one, 1...	19.37	18.7	ng/ul	946815	4	18.00	1012180	20.0
Ethanone, 2-hydro...	19.62	9.3	ng/ul	469784	4	18.00	1012180	20.0
Ethanone, 2-(acet...	19.73	7.6	ng/ul	382715	4	18.00	1012180	20.0
Benzenepropanenit...	19.80	2.6	ng/ul	131140	4	18.00	1012180	20.0
unknown-03	19.86	12.1	ng/ul	609634	4	18.00	1012180	20.0
Benzenebutanol, ...	20.25	3.6	ng/ul	265369	5	22.09	1462800	20.0
1,4-Butanedione, ...	20.45	2.6	ng/ul	193914	5	22.09	1462800	20.0
(DEL) Alkane: Cyc...	21.70	3.0	ng/ul	216955	5	22.09	1462800	20.0
unknown-04	21.73	8.4	ng/ul	616525	5	22.09	1462800	20.0
1H-Indole, 2-meth...	22.24	4.3	ng/ul	317583	5	22.09	1462800	20.0
unknown-05	22.29	6.8	ng/ul	501118	5	22.09	1462800	20.0
unknown-06	22.34	2.2	ng/ul	161056	5	22.09	1462800	20.0
unknown-07	22.37	2.0	ng/ul	149166	5	22.09	1462800	20.0