LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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	3.169	28	31	36	rVB5	9511	11541	0.14%	0.025%
2	3.763	127	132	137	rBV2	12768	21170	0.26%	0.045%
3	3.857	141	148	155	rBV	40229	70103	0.88%	0.150%
4	3.963	161	166	170	rVB6	11927	20108	0.25%	0.043%
5	4.751	296	300	307	rVB	27546	39517	0.49%	0.085%
6	5.116	357	362	369	rBV	37474	52058	0.65%	0.112%
7	5.246	376	384	393	rBV	46453	102676	1.28%	0.220%
8	5.604	436	445	452	rBV4	40833	80102	1.00%	0.172%
9	5.993	505	511	514	rBV2	9509	14906	0.19%	0.032%
10	6.063	521	523	529	rVB3	7366	9192	0.11%	0.020%
11	6.657	620	624	631	rVV3	13269	20011	0.25%	0.043%
12	6.751	635	640	655	rVB	105971	223168	2.79%	0.479%
13	6.910	661	667	683	rBV	461443	736903	9.21%	1.580%
14	7.098	693	699	709	rBV	497893	834577	10.43%	1.790%
15	7.204	711	717	725	rVB	49326	75994	0.95%	0.163%
16	7.281	725	730	739	rVB	84406	136500	1.71%	0.293%
17	7.557	768	777	787	rBV	511179	813822	10.17%	1.745%
18	7.663	791	795	804	rVB2	23573	43457	0.54%	0.093%
19	7.916	831	838	848	rBV	448435	734727	9.18%	1.576%
20	8.081	860	866	877	rBV	512884	836818	10.45%	1.794%
21	8.269	890	898	914	rBV	323147	607045	7.58%	1.302%
22	8.404	916	921	928	rVB5	15705	27249	0.34%	0.058%
23	8.710	967	973	987	rBV	542261	930311	11.62%	1.995%
24	8.892	998	1004	1011	rVB2	42699	70658	0.88%	0.152%
25	9.022	1017	1026	1031	rBV2	109828	242104	3.02%	0.519%
26	9.081	1031	1036	1043	rVV2	35281	62215	0.78%	0.133%
27	9.422	1086	1094	1108	rBV	440442	793648	9.91%	1.702%
28	9.575	1116	1120	1125	rVB2	12885	18467	0.23%	0.040%
29	9.722	1139	1145	1149	rBV3	24230	45674	0.57%	0.098%
30	9.828	1158	1163	1174	rVB2	14769	35993	0.45%	0.077%
31	9.957	1178	1185	1210	rBV	440178	1122779	14.03%	2.408%
32	10.322	1239	1247	1251	rBV	635310	1132939	14.15%	2.429%
33	10.375	1251	1256	1268	rVV	4938255	8004811	100.00%	17.165%
34	10.492	1268	1276	1286	rVV	441030	774858	9.68%	1.662%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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	10.757	1315	1321	1325	rVB4	5620	10673	0.13%	0.023%
36	11.886	1509	1513	1518	rBV	14898	25901	0.32%	0.056%
37	11.922	1518	1519	1526	rVB3	9758	11151	0.14%	0.024%
38	11.998	1526	1532	1544	rBV	184073	374330	4.68%	0.803%
39	12.127	1548	1554	1560	rVV5	11410	25892	0.32%	0.056%
40	12.222	1560	1570	1580	rVB	169847	330247	4.13%	0.708%
41	13.039	1704	1709	1714	rBV	28059	47426	0.59%	0.102%
42	13.627	1803	1809	1821	rVV	1090349	1645983	20.56%	3.530%
43	13.733	1823	1827	1836	rVB	169913	228864	2.86%	0.491%
44	13.892	1844	1854	1866	rBV	1331068	2083357	26.03%	4.467%
45	14.204	1900	1907	1915	rBV3	904810	1592129	19.89%	3.414%
46	14.269	1915	1918	1928	rVB	131288	184954	2.31%	0.397%
47	14.357	1928	1933	1938	rBV	74884	130677	1.63%	0.280%
48	14.451	1945	1949	1951	rBV3	22569	27790	0.35%	0.060%
49	14.492	1951	1956	1963	rVB5	15968	48343	0.60%	0.104%
50	14.616	1972	1977	1982	rBV	80891	121433	1.52%	0.260%
51	14.874	2014	2021	2026	rBV5	27278	42932	0.54%	0.092%
52	14.968	2032	2037	2048	rBV	145638	211661	2.64%	0.454%
53	15.051	2048	2051	2058	rVB2	13032	19763	0.25%	0.042%
54	15.145	2062	2067	2071	rBV3	35763	47134	0.59%	0.101%
55	15.210	2071	2078	2084	rBV	1723202	2656133	33.18%	5.696%
56	15.263	2084	2087	2096	rVV	65966	104280	1.30%	0.224%
57	15.351	2096	2102	2113	rVV	466370	793915	9.92%	1.702%
58	15.445	2115	2118	2123	rVB3	23670	39644	0.50%	0.085%
59	15.592	2135	2143	2147	rBV5	9459	17547	0.22%	0.038%
60	15.957	2201	2205	2209	rBV4	11566	19910	0.25%	0.043%
61	16.068	2217	2224	2227	rBV4	18337	34179	0.43%	0.073%
62	16.115	2229	2232	2237	rVV3	9808	17810	0.22%	0.038%
63	16.174	2237	2242	2246	rVV4	9522	18582	0.23%	0.040%
64	16.215	2246	2249	2252	rVB4	6946	8484	0.11%	0.018%
65	16.380	2271	2277	2284	rBV8	9700	19430	0.24%	0.042%
66	16.445	2284	2288	2294	rVV	14980	24905	0.31%	0.053%
67	16.515	2294	2300	2305	rVV6	20550	43629	0.55%	0.094%
68	16.568	2305	2309	2312	rVV	19424	24906	0.31%	0.053%
69	16.633	2315	2320	2325	rVB6	16274	28313	0.35%	0.061%
70	16.798	2343	2348	2353	rBV4	20089	37976	0.47%	0.081%
71	16.962	2370	2376	2382	rBV	1081033	1498285	18.72%	3.213%

LSC Area Percent Report

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Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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

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

72	17.004	2382	2383	2387	rVB	27904	21617	0.27%	0.046%
73	17.062	2387	2393	2404	rBV	1932802	2853256	35.64%	6.118%
74	17.262	2422	2427	2434	rVB	63648	73557	0.92%	0.158%
75	17.380	2441	2447	2455	rBV	299307	516975	6.46%	1.109%
76	17.457	2455	2460	2472	rVB	390514	562084	7.02%	1.205%
77	17.639	2487	2491	2498	rVB3	43058	52809	0.66%	0.113%
78	17.892	2529	2534	2535	rVV3	15537	25013	0.31%	0.054%
79	17.945	2539	2543	2549	rVB	142177	189424	2.37%	0.406%
80	18.080	2560	2566	2574	rBV	59947	90210	1.13%	0.193%
81	18.162	2576	2580	2584	rBV6	5522	11446	0.14%	0.025%
82	18.209	2584	2588	2593	rVB4	5931	10188	0.13%	0.022%
83	18.451	2625	2629	2633	rVB2	26421	31138	0.39%	0.067%
84	18.639	2657	2661	2665	rBV4	12942	21370	0.27%	0.046%
85	19.003	2718	2723	2727	rBV2	20736	29421	0.37%	0.063%
86	19.174	2747	2752	2754	rBV5	18133	23735	0.30%	0.051%
87	19.256	2763	2766	2772	rVB2	19691	26379	0.33%	0.057%
88	19.368	2779	2785	2796	rBV	2361060	3299101	41.21%	7.075%
89	19.962	2883	2886	2888	rBV4	6051	8413	0.11%	0.018%
90	20.415	2961	2963	2965	rBV3	9267	8555	0.11%	0.018%
91	21.174	3087	3092	3104	rBV	1260344	1868219	23.34%	4.006%
92	23.209	3432	3438	3452	rVB	1984188	3690392	46.10%	7.914%
93	23.350	3455	3462	3475	rVB	886581	1875710	23.43%	4.022%

Sum of corrected areas: 46633681

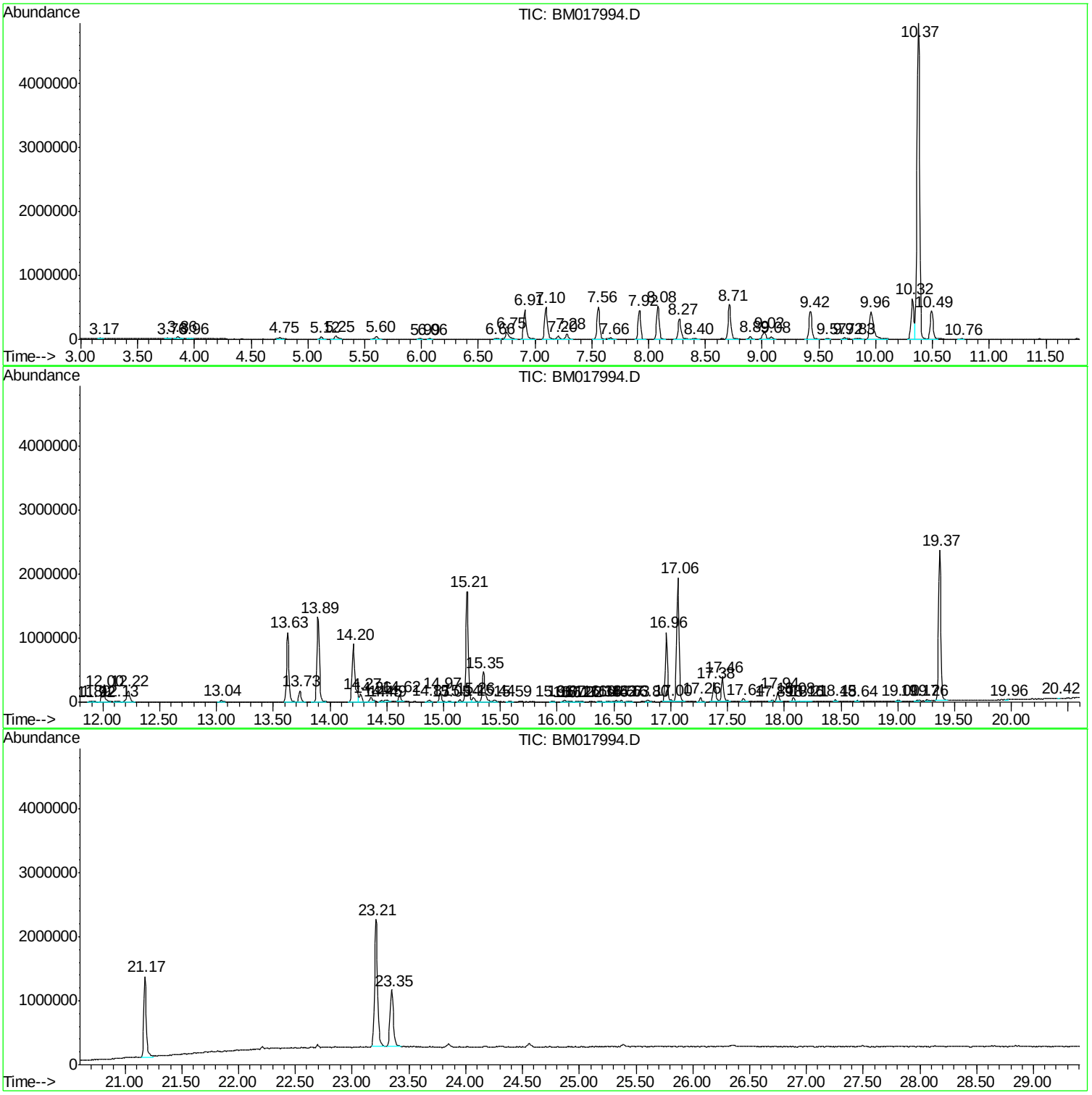
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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

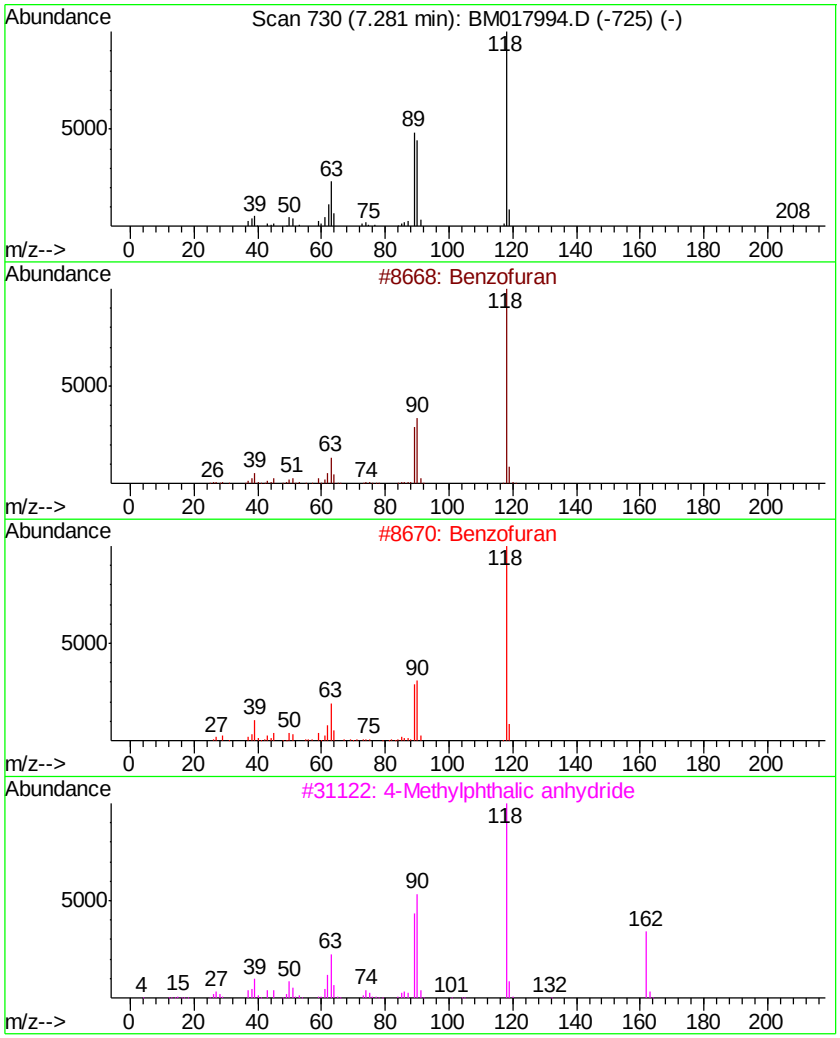
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

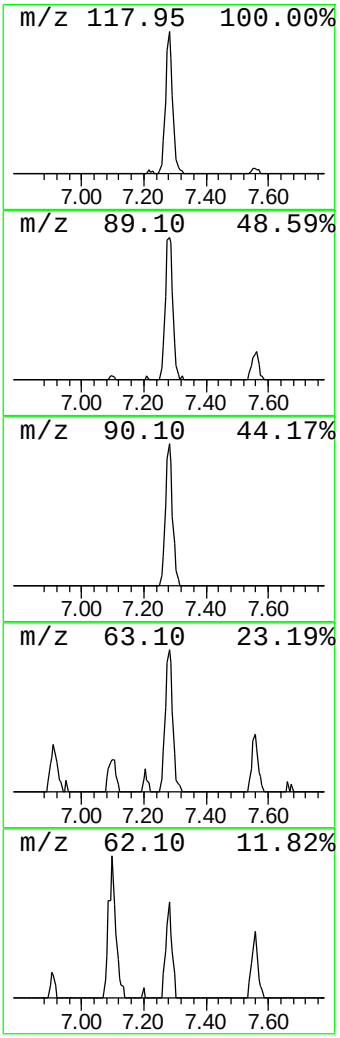
****

Peak Number 2 Benzofuran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	3.35 ng/ul	136500	1,4-Dichlorobenzene-d4	7.56

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	4-Methylphthalic anhydride	162	C9H6O3	001938-61-0	90
4	Benzofuran	118	C8H6O	000271-89-6	87
5	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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

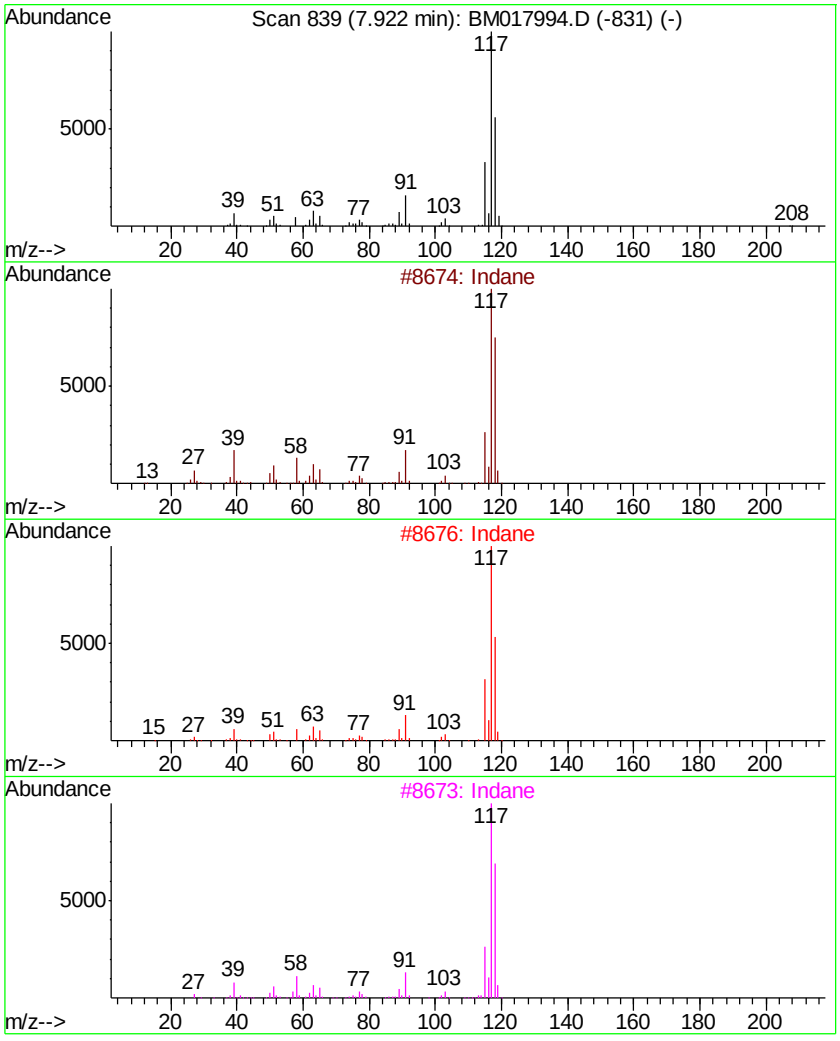
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

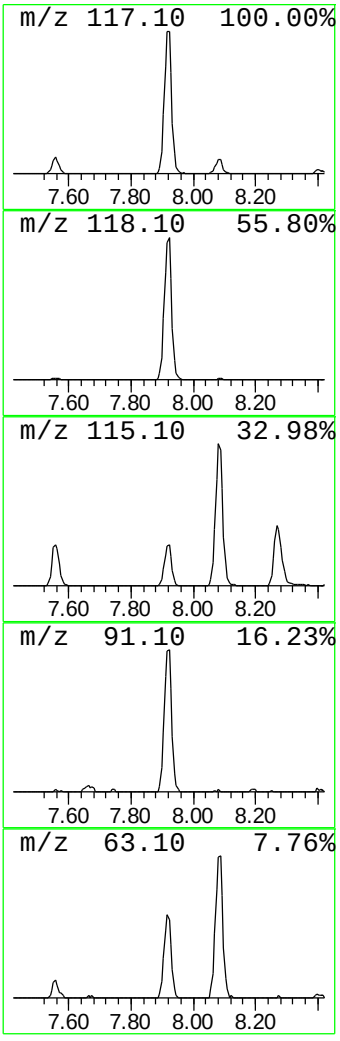
****

Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	18.06 ng/ul	734727	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	87
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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

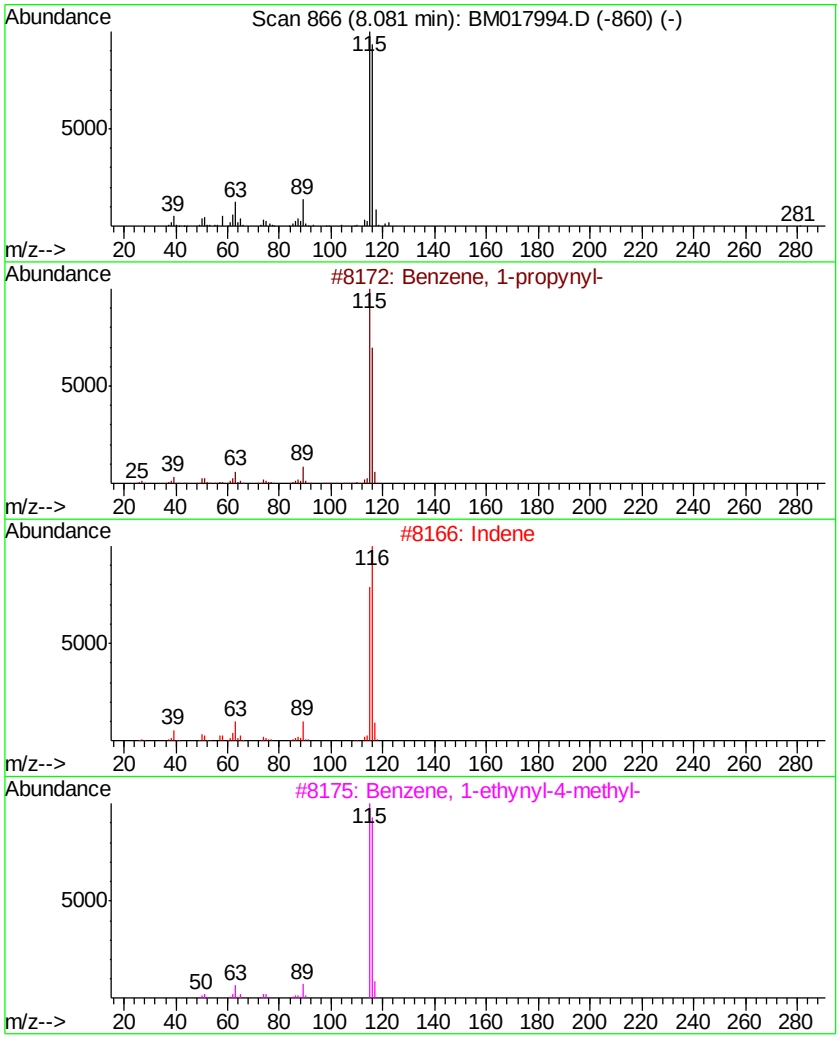
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

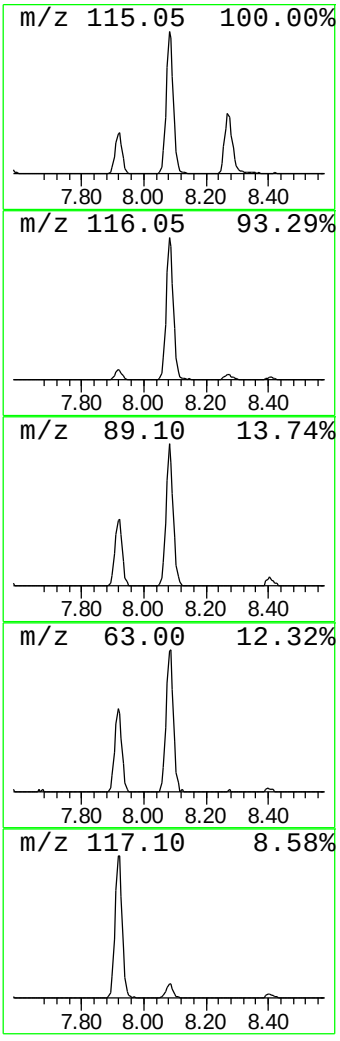
****

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	20.57 ng/ul	836818	1,4-Dichlorobenzene-d4	7.56

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	94
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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

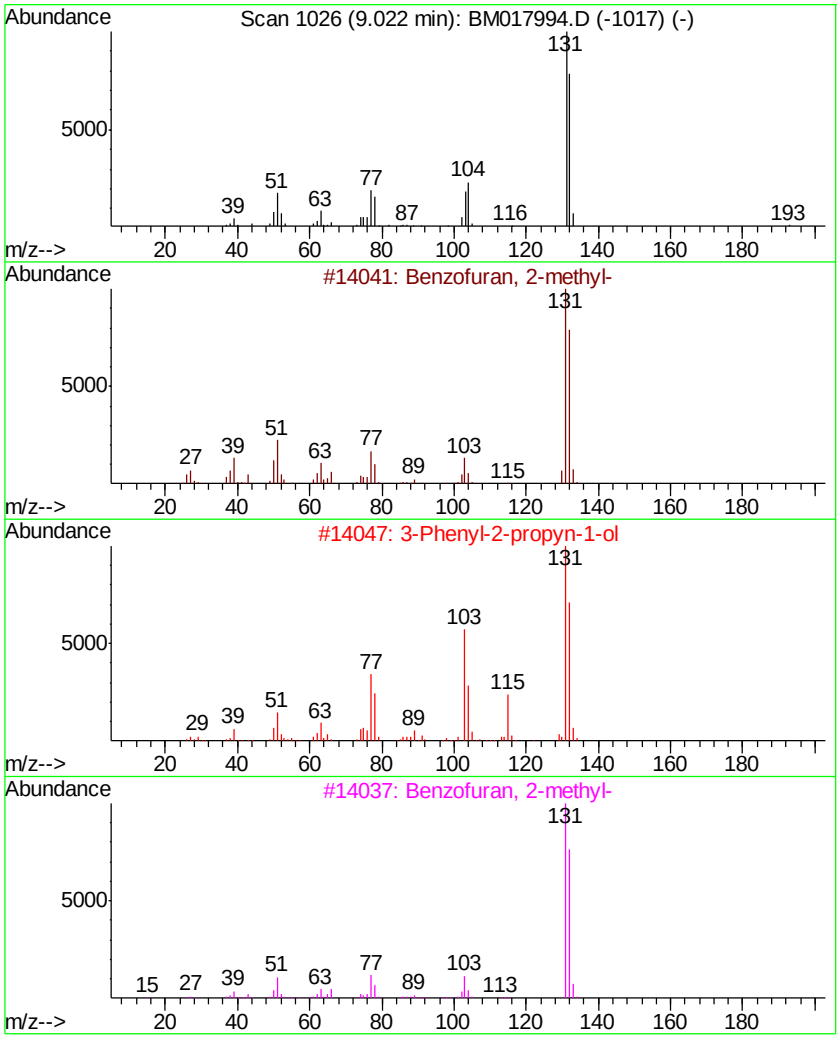
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

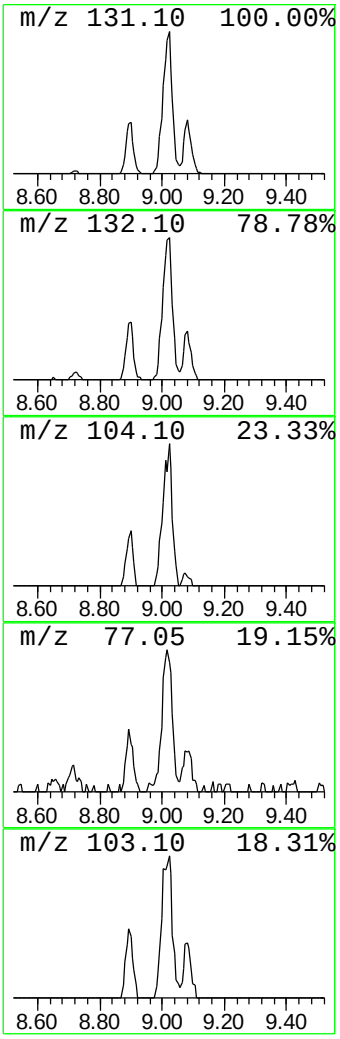
****

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	4.27 ng/ul	242104	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
2	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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

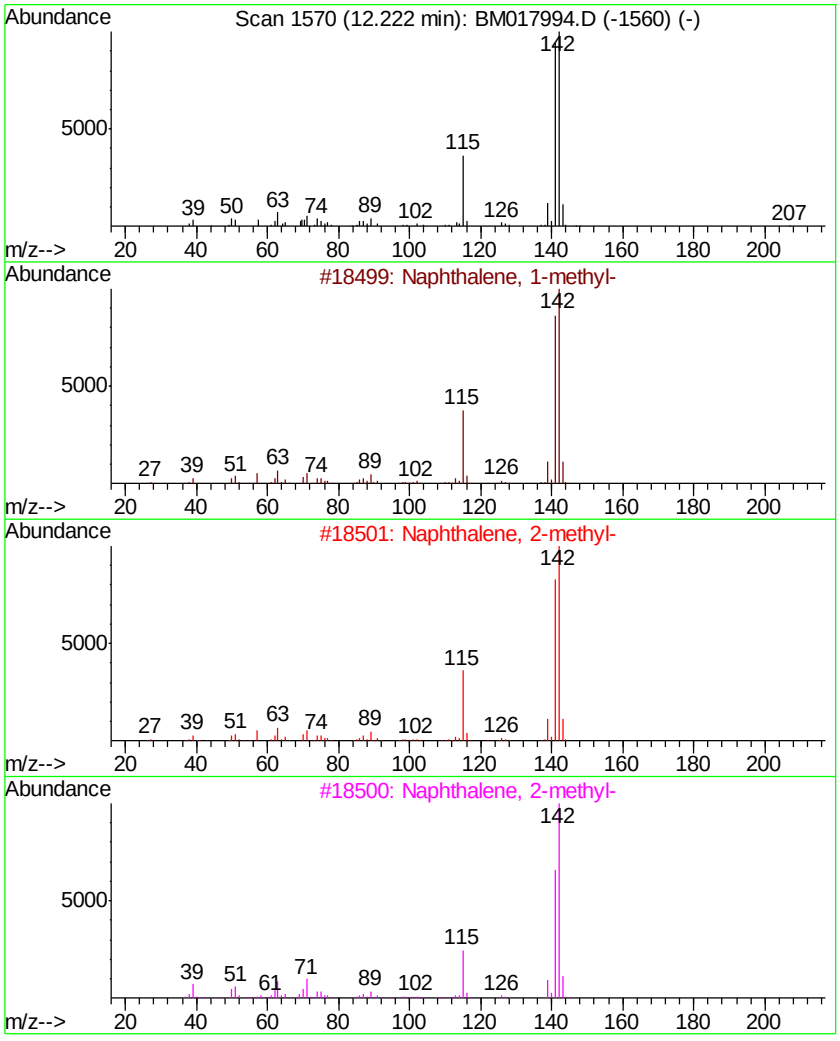
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

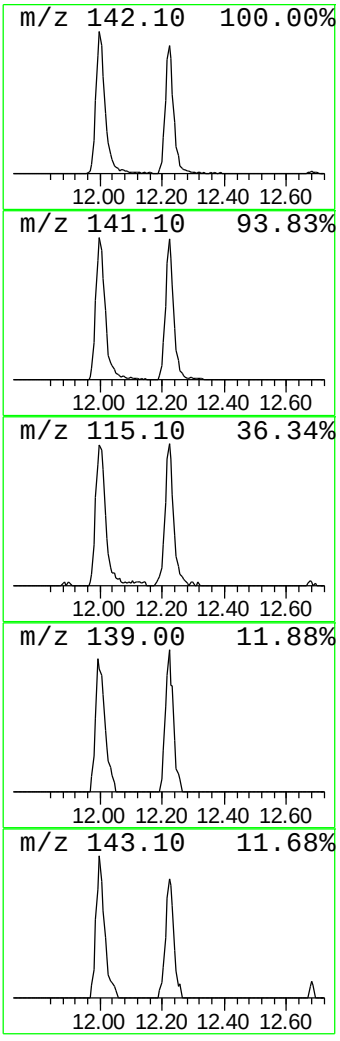
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	5.83 ng/ul	330247	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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

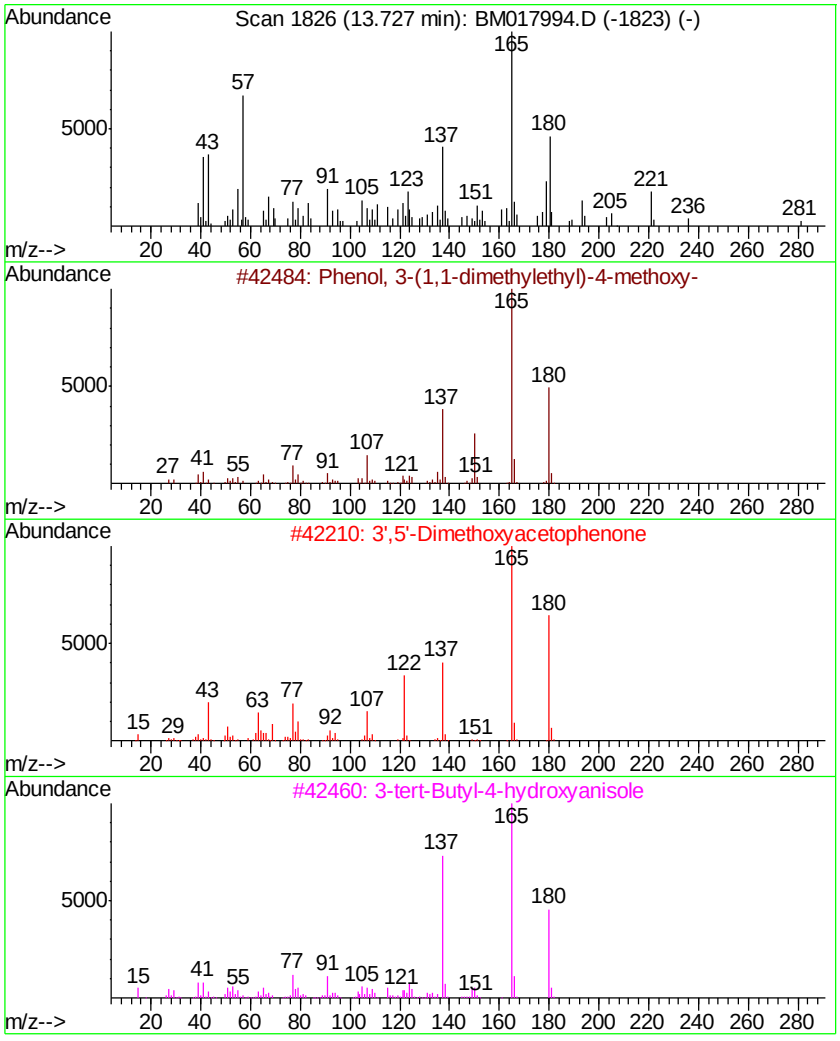
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

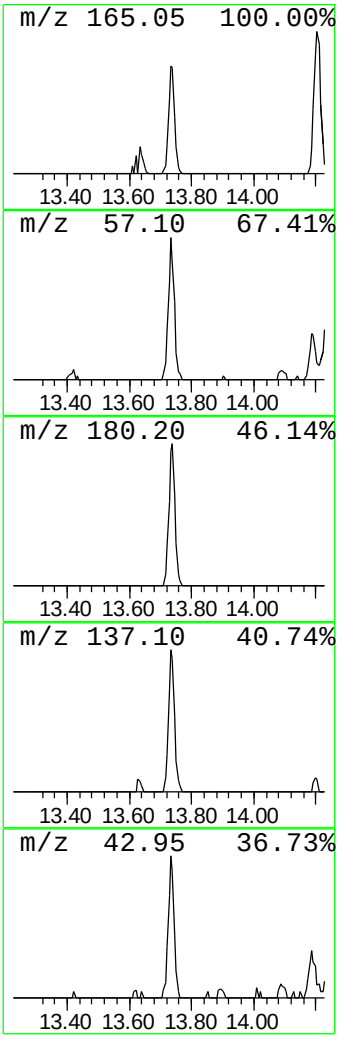
****

Peak Number 7 Phenol, 3-(1,1-dimethylethy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.87 ng/ul	228864	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(1,1-dimethylethyl)-4-...	180	C11H16O2	000088-32-4	70
2	3',5'-Dimethoxyacetophenone	180	C10H12O3	039151-19-4	58
3	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	58
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	53
5	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	52





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Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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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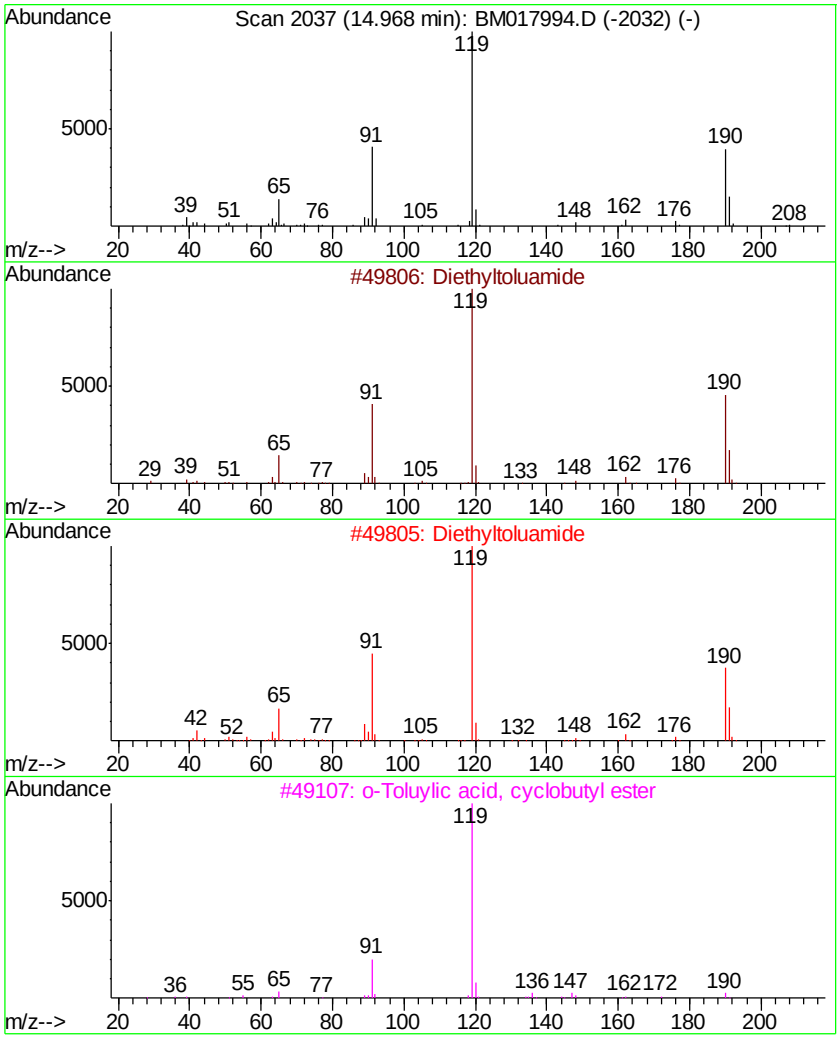
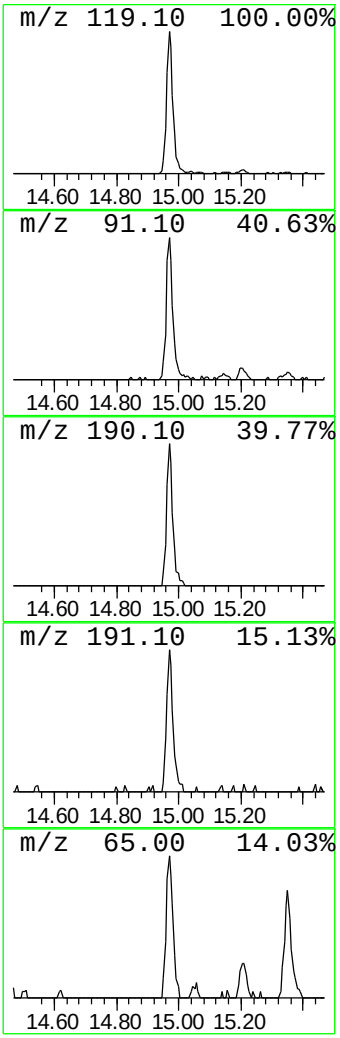
Peak Number 8 Diethyltoluamide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	2.66 ng/ul	211661	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	94
2	Diethyltoluamide	191	C12H17NO	000134-62-3	93
3	o-Toluylic acid, cyclobutyl ester	190	C12H14O2	1000292-22-3	86
4	Diethyltoluamide	191	C12H17NO	000134-62-3	60
5	Benzamide, N-(1,1-dimethylethyl)...	191	C12H17NO	042498-32-8	58





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Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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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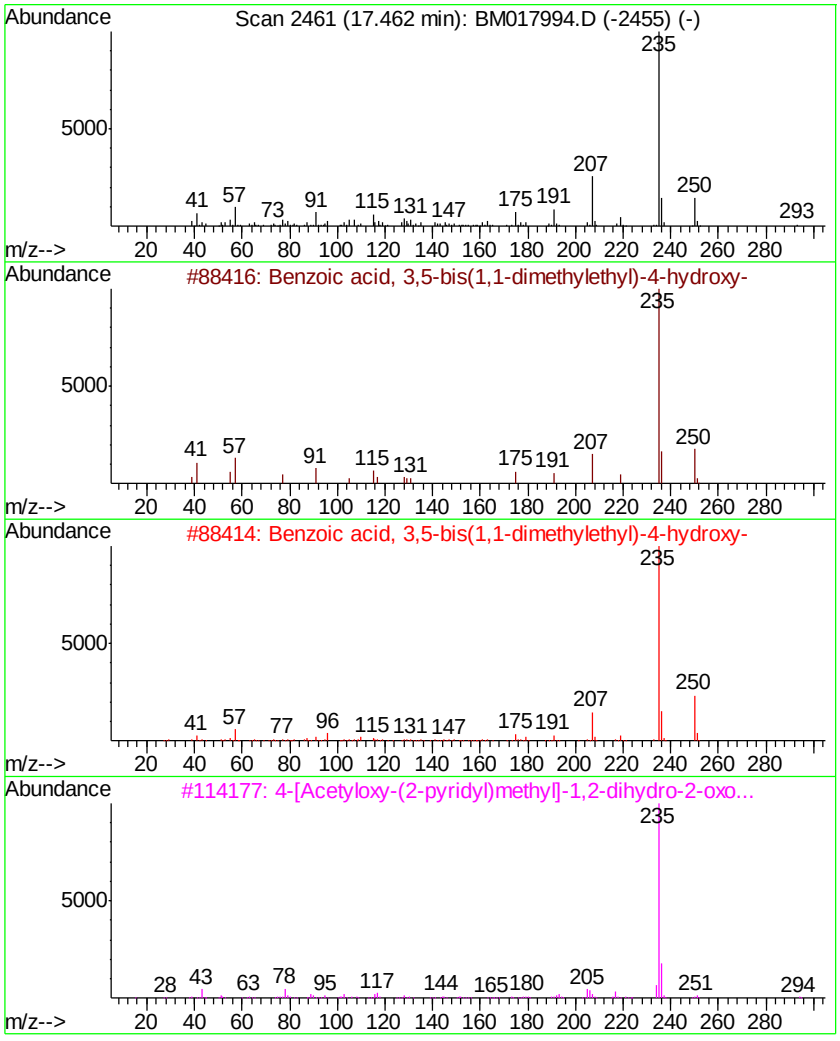
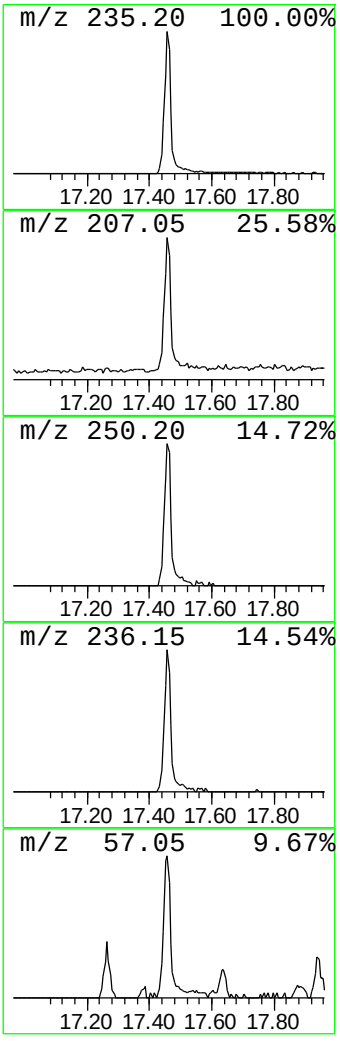
Peak Number 9 Benzoic acid, 3,5-bis(1,1-d... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	7.50 ng/ul	562084	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	98
2	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	94
3	4-[Acetyloxy-(2-pyridyl)methyl]-...	294	C17H14N2O3	093323-89-8	70
4	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	64
5	Hexobarbital-2(or 4)-methyl deri...	250	C13H18N2O3	1000123-51-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120718\
Data File : BM017994.D
Acq On : 07 Dec 2018 10:14
Operator : JU/SJ
Sample : J6170-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9J04

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
Benzofuran	7.28	3.4	ng/ul	136500	1	7.56	813822	20.0
Indane	7.92	18.1	ng/ul	734727	1	7.56	813822	20.0
Benzene, 1-propynyl-	8.08	20.6	ng/ul	836818	1	7.56	813822	20.0
Benzofuran, 2-met...	9.02	4.3	ng/ul	242104	2	10.32	1132940	20.0
Naphthalene, 1-me...	12.22	5.8	ng/ul	330247	2	10.32	1132940	20.0
Phenol, 3-(1,1-di...	13.73	2.9	ng/ul	228864	3	14.20	1592130	20.0
Diethyltoluamide	14.97	2.7	ng/ul	211661	3	14.20	1592130	20.0
Benzoic acid, 3,5...	17.46	7.5	ng/ul	562084	4	16.96	1498290	20.0