LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM050516.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	5.416	458	464	475	rBV	70300	156548	4.27%	0.237%
2	6.740	681	689	694	rBV	81408	125273	3.41%	0.190%
3	6.851	699	708	712	rVV	360748	575426	15.68%	0.872%
4	6.904	712	717	725	rVV	353786	647191	17.64%	0.981%
5	6.987	725	731	739	rVB	891137	1414428	38.55%	2.143%
6	7.093	742	749	753	rBV	219194	337478	9.20%	0.511%
7	7.151	753	759	767	rVB	788602	1261367	34.38%	1.912%
8	7.292	778	783	790	rBV	237437	382763	10.43%	0.580%
9	7.410	796	803	810	rVB	2232673	3668889	100.00%	5.560%
10	7.757	851	862	865	rBV2	250273	518959	14.14%	0.786%
11	7.792	865	868	875	rVB	181316	285497	7.78%	0.433%
12	7.869	875	881	890	rBV2	585213	1116631	30.44%	1.692%
13	8.063	906	914	919	rVB	111474	173240	4.72%	0.263%
14	8.128	919	925	933	rBV	609087	981160	26.74%	1.487%
15	8.239	939	944	949	rBV	245453	382079	10.41%	0.579%
16	8.298	949	954	963	rVB	145014	232233	6.33%	0.352%
17	8.387	963	969	974	rBV	633358	1010135	27.53%	1.531%
18	8.439	974	978	981	rVV	247555	409636	11.17%	0.621%
19	8.469	981	983	992	rVV	203361	316722	8.63%	0.480%
20	8.551	992	997	1007	rVB	315960	524346	14.29%	0.795%
21	8.704	1015	1023	1027	rBV	522302	826205	22.52%	1.252%
22	8.757	1027	1032	1037	rVV	554862	851267	23.20%	1.290%
23	8.857	1037	1049	1054	rVV	883289	1443279	39.34%	2.187%
24	8.934	1054	1062	1073	rVV3	658697	1535303	41.85%	2.327%
25	9.092	1080	1089	1098	rBV5	165122	436162	11.89%	0.661%
26	9.192	1098	1106	1111	rBV3	175616	386450	10.53%	0.586%
27	9.245	1111	1115	1120	rVB4	103992	168647	4.60%	0.256%
28	9.322	1120	1128	1132	rBV4	56212	128756	3.51%	0.195%
29	9.375	1132	1137	1142	rBV	405256	599125	16.33%	0.908%
30	9.434	1142	1147	1153	rBV	614452	947056	25.81%	1.435%
31	9.633	1172	1181	1186	rBV2	280492	546011	14.88%	0.827%
32	9.745	1193	1200	1205	rBV3	201043	487330	13.28%	0.739%
33	9.792	1205	1208	1213	rVB	171767	231985	6.32%	0.352%
34	9.951	1222	1235	1241	rBV2	1521994	3017407	82.24%	4.573%

LSC Area Percent Report

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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM050516.M
Title : SVOA CALIBRATION

35	10.010	1241	1245	1251	rVB2	141863	225158	6.14%	0.341%
36	10.104	1252	1261	1263	rBV3	108731	204694	5.58%	0.310%
37	10.181	1268	1274	1280	rVV	939308	1619037	44.13%	2.454%
38	10.410	1307	1313	1319	rBV7	63339	163635	4.46%	0.248%
39	10.545	1324	1336	1340	rBV2	397739	963609	26.26%	1.460%
40	10.592	1340	1344	1350	rVB3	217309	444097	12.10%	0.673%
41	10.651	1350	1354	1359	rVB	147839	221711	6.04%	0.336%
42	10.763	1369	1373	1381	rVB4	87725	190960	5.20%	0.289%
43	10.910	1393	1398	1402	rBV2	132418	193899	5.28%	0.294%
44	10.951	1402	1405	1409	rBV2	84831	126009	3.43%	0.191%
45	10.998	1409	1413	1422	rVB5	118113	292630	7.98%	0.443%
46	11.169	1437	1442	1446	rBV4	65076	136243	3.71%	0.206%
47	11.404	1478	1482	1484	rVV2	151734	259350	7.07%	0.393%
48	11.439	1484	1488	1495	rVB3	262199	541011	14.75%	0.820%
49	11.604	1511	1516	1519	rBV5	99793	180968	4.93%	0.274%
50	11.651	1520	1524	1530	rVB6	67416	136118	3.71%	0.206%
51	11.798	1543	1549	1555	rBV	724007	1255032	34.21%	1.902%
52	11.892	1559	1565	1570	rVB4	191785	413471	11.27%	0.627%
53	11.957	1570	1576	1580	rBV	185714	326367	8.90%	0.495%
54	12.057	1586	1593	1597	rBV7	157430	418464	11.41%	0.634%
55	12.104	1598	1601	1605	rVV4	162588	268888	7.33%	0.407%
56	12.157	1605	1610	1617	rVB	364434	676784	18.45%	1.026%
57	12.257	1619	1627	1634	rVB4	127677	334068	9.11%	0.506%
58	12.363	1635	1645	1650	rBV	1145152	2037273	55.53%	3.087%
59	12.433	1653	1657	1659	rVV2	108188	173209	4.72%	0.262%
60	12.463	1659	1662	1674	rVB3	243936	537682	14.66%	0.815%
61	12.563	1674	1679	1680	rBV2	100230	144903	3.95%	0.220%
62	12.586	1680	1683	1690	rVB3	116763	220830	6.02%	0.335%
63	12.739	1705	1709	1712	rBV3	144771	238559	6.50%	0.362%
64	12.798	1713	1719	1723	rVV	273221	591787	16.13%	0.897%
65	12.874	1726	1732	1736	rVV4	409118	939893	25.62%	1.424%
66	12.922	1736	1740	1746	rVV4	309644	655408	17.86%	0.993%
67	12.986	1747	1751	1758	rVB6	124088	247300	6.74%	0.375%
68	13.063	1758	1764	1773	rBV2	774696	1435368	39.12%	2.175%
69	13.174	1780	1783	1788	rVB3	132238	204840	5.58%	0.310%
70	13.286	1796	1802	1806	rBV4	207335	478730	13.05%	0.725%
71	13.357	1808	1814	1818	rVV5	170704	457006	12.46%	0.693%

LSC Area Percent Report

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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM050516.M
Title : SVOA CALIBRATION

72	13.492	1834	1837	1842	rVB3	178021	283712	7.73%	0.430%
73	13.604	1848	1856	1860	rBV6	257032	775849	21.15%	1.176%
74	13.721	1872	1876	1881	rBV4	221449	464731	12.67%	0.704%
75	13.810	1887	1891	1897	rBV	655163	1004376	27.38%	1.522%
76	13.939	1906	1913	1921	rVB7	197467	531105	14.48%	0.805%
77	14.010	1922	1925	1927	rBV2	112930	144083	3.93%	0.218%
78	14.051	1928	1932	1935	rVV5	158563	322215	8.78%	0.488%
79	14.092	1935	1939	1949	rVB	857097	1445216	39.39%	2.190%
80	14.186	1951	1955	1959	rVV3	114065	166604	4.54%	0.252%
81	14.304	1969	1975	1983	rBV8	255942	699159	19.06%	1.060%
82	14.404	1987	1992	1997	rVB2	688813	1055469	28.77%	1.599%
83	14.674	2033	2038	2048	rVB6	296893	696060	18.97%	1.055%
84	14.927	2078	2081	2091	rVB5	131725	301605	8.22%	0.457%
85	15.010	2091	2095	2098	rBV3	152150	221067	6.03%	0.335%
86	15.092	2104	2109	2115	rVB2	256098	481768	13.13%	0.730%
87	15.221	2126	2131	2141	rVV3	235290	519345	14.16%	0.787%
88	15.398	2155	2161	2168	rVV	1064715	1699561	46.32%	2.576%
89	15.480	2172	2175	2178	rVV2	119553	158813	4.33%	0.241%
90	15.527	2178	2183	2190	rVB	398100	560169	15.27%	0.849%
91	15.810	2227	2231	2236	rVB	110132	154326	4.21%	0.234%
92	16.539	2350	2355	2365	rVB2	113788	211521	5.77%	0.321%
93	16.927	2416	2421	2428	rVB	204859	332031	9.05%	0.503%
94	17.110	2447	2452	2455	rVV	214902	319479	8.71%	0.484%
95	17.151	2455	2459	2469	rVB2	827291	1209450	32.97%	1.833%
96	17.251	2470	2476	2482	rBV2	1220076	1797530	48.99%	2.724%
97	19.545	2860	2866	2880	rVB	1541278	2178935	59.39%	3.302%
98	21.339	3165	3171	3178	rBV	1129903	1457506	39.73%	2.209%
99	23.462	3524	3532	3545	rVV2	843009	1623767	44.26%	2.461%
100	23.603	3549	3556	3566	rVB2	565665	1092492	29.78%	1.656%

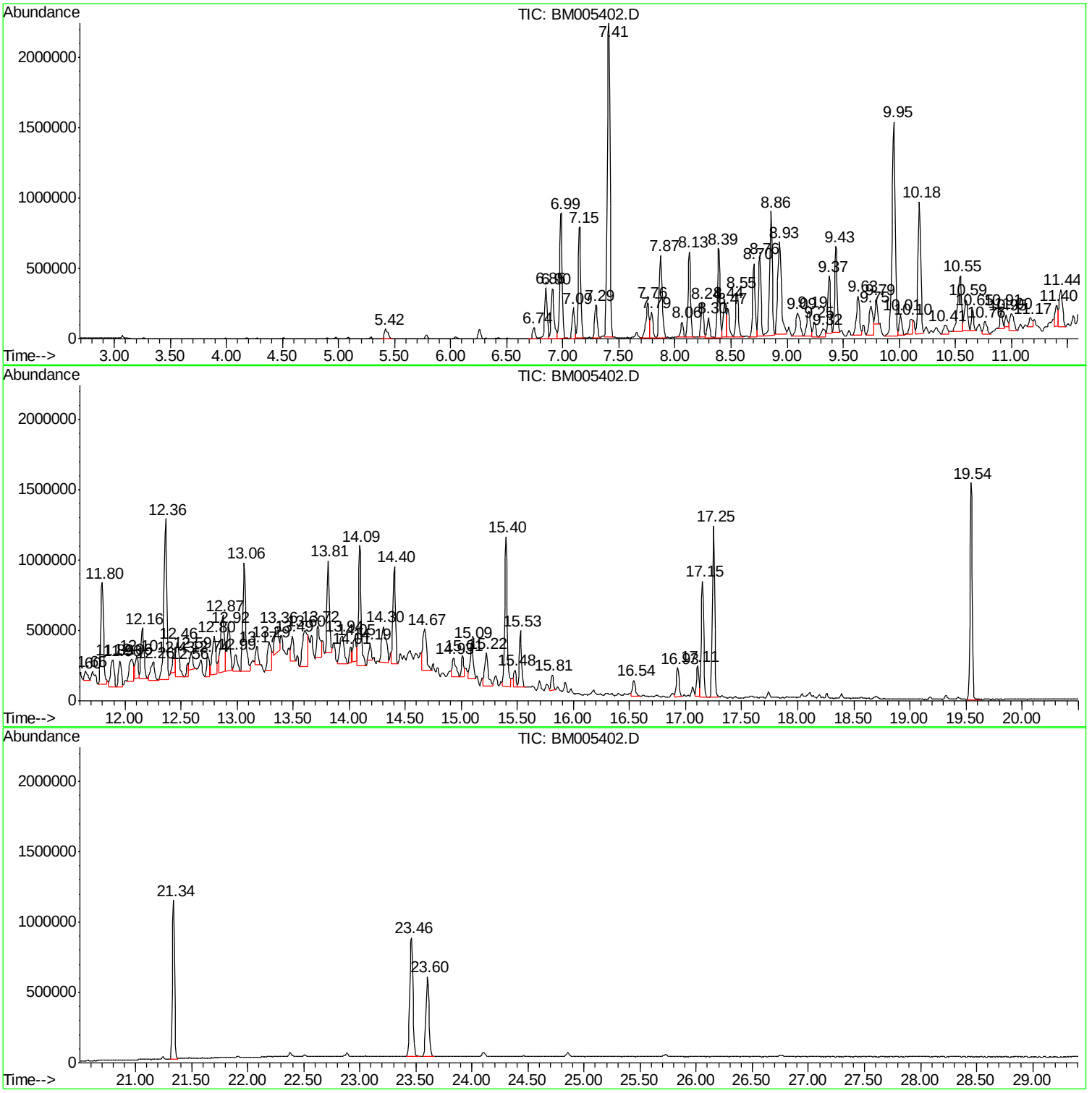
Sum of corrected areas: 65987919

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

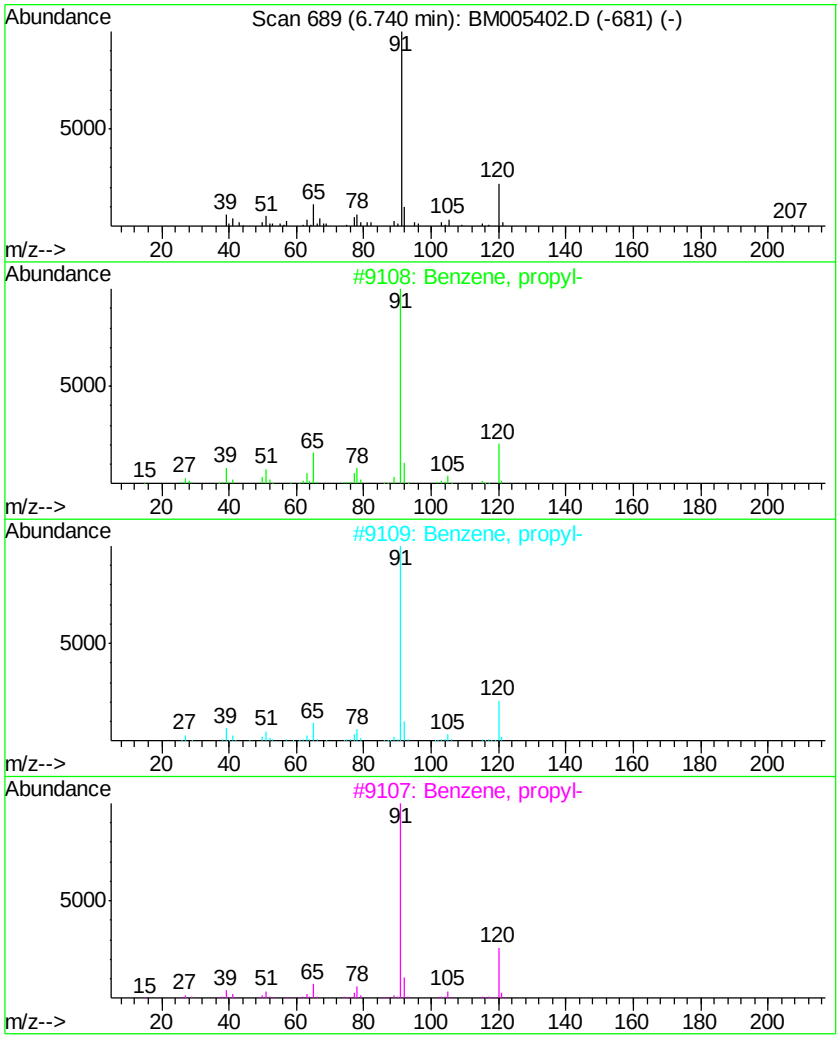
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

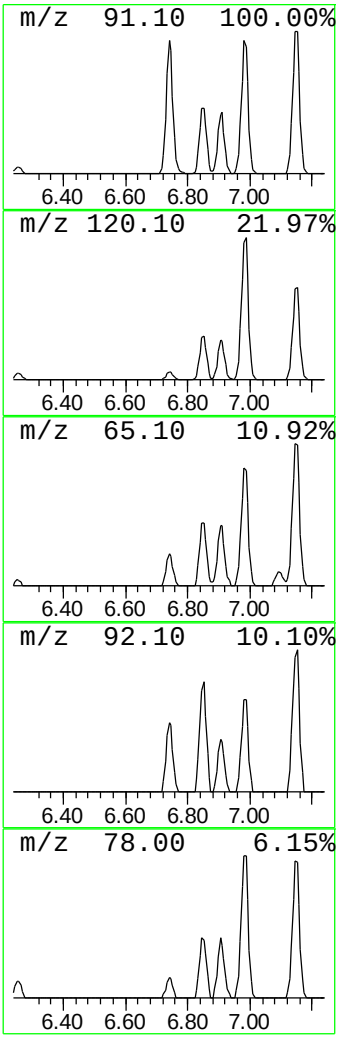
****

Peak Number 2 Benzene, propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	4.83 ng/ul	125273	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

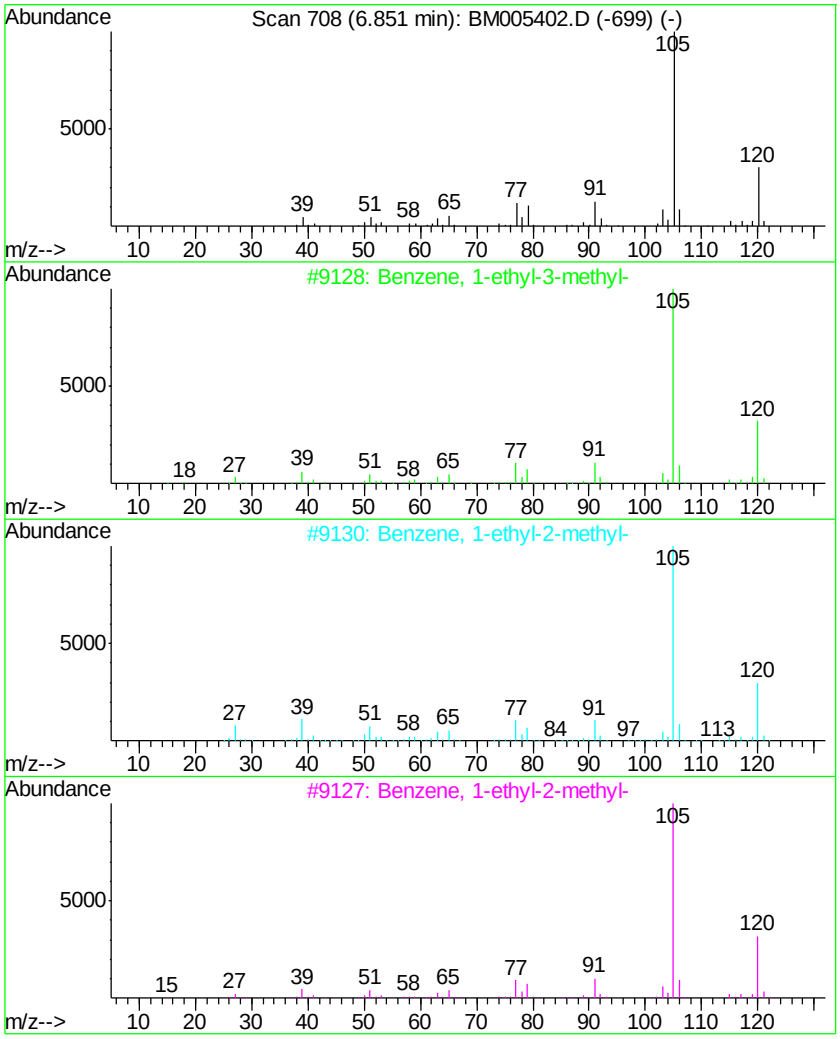
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

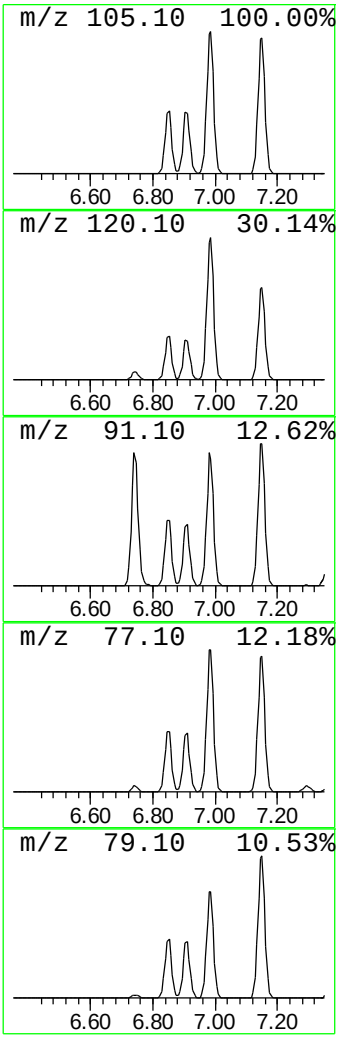
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	22.18 ng/ul	575426	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
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Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

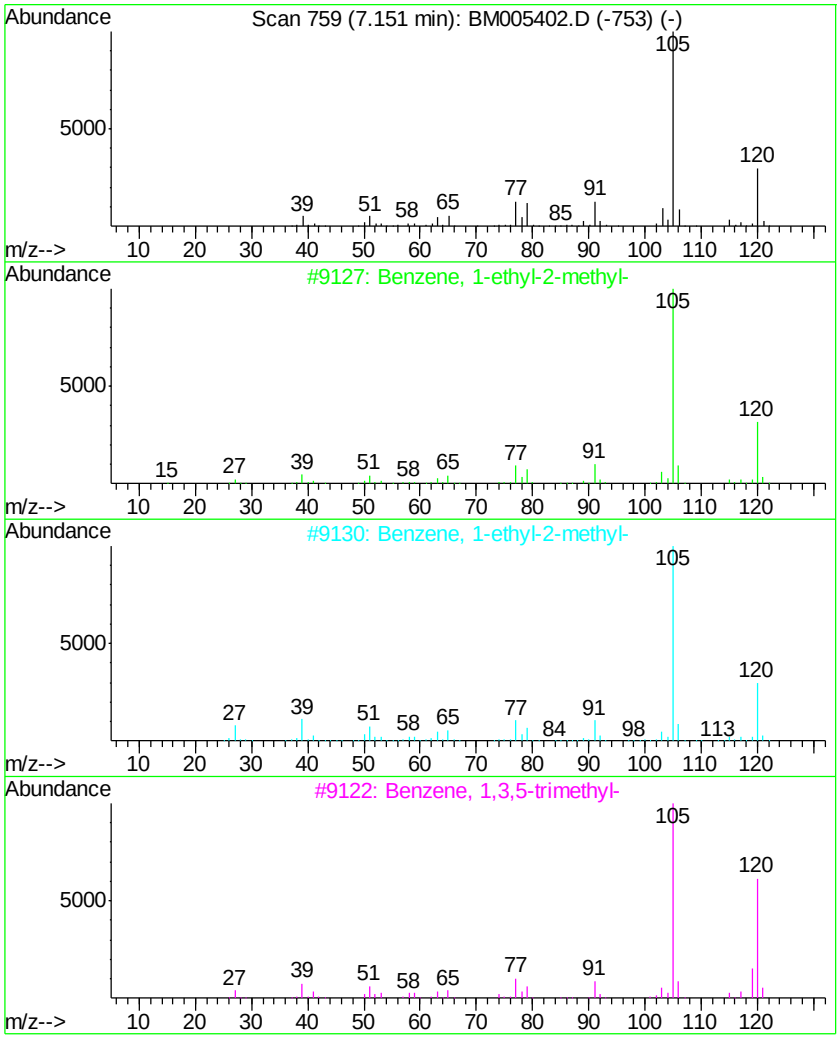
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

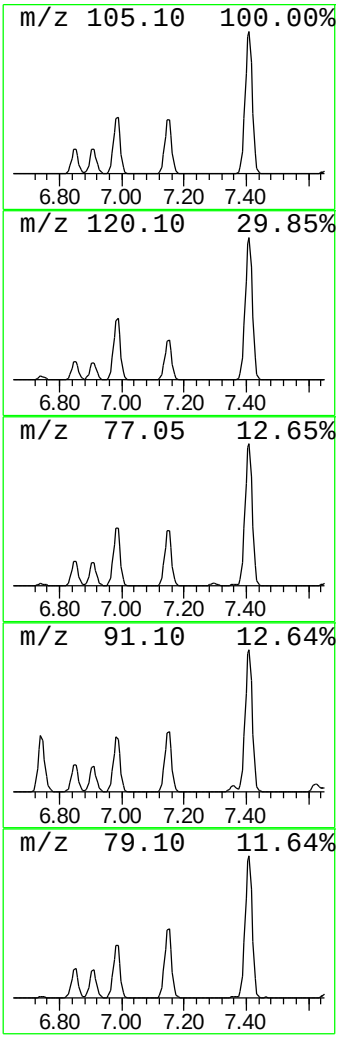
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	48.61 ng/ul	1261370	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

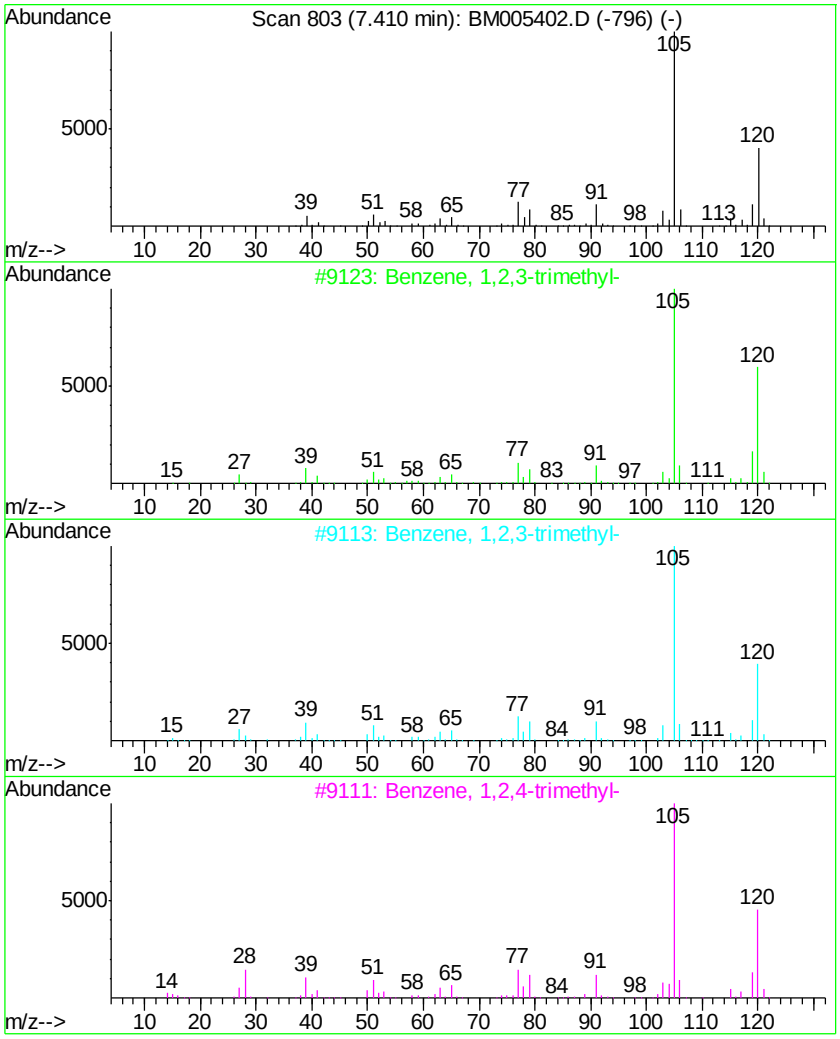
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

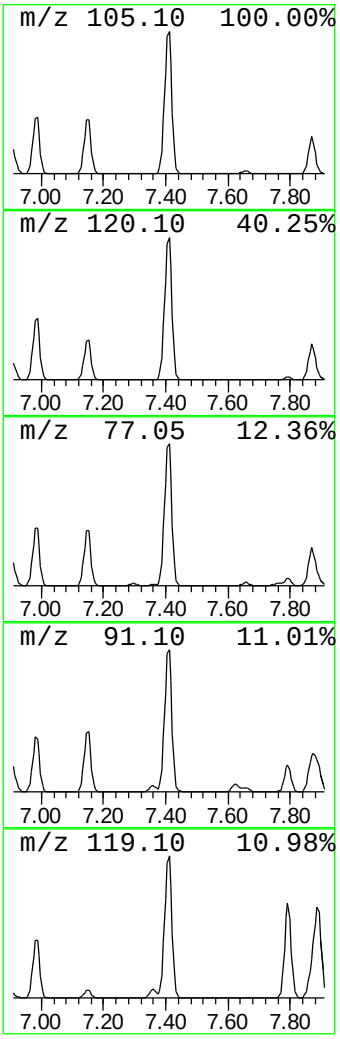
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	141.39 ng/ul	3668890	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

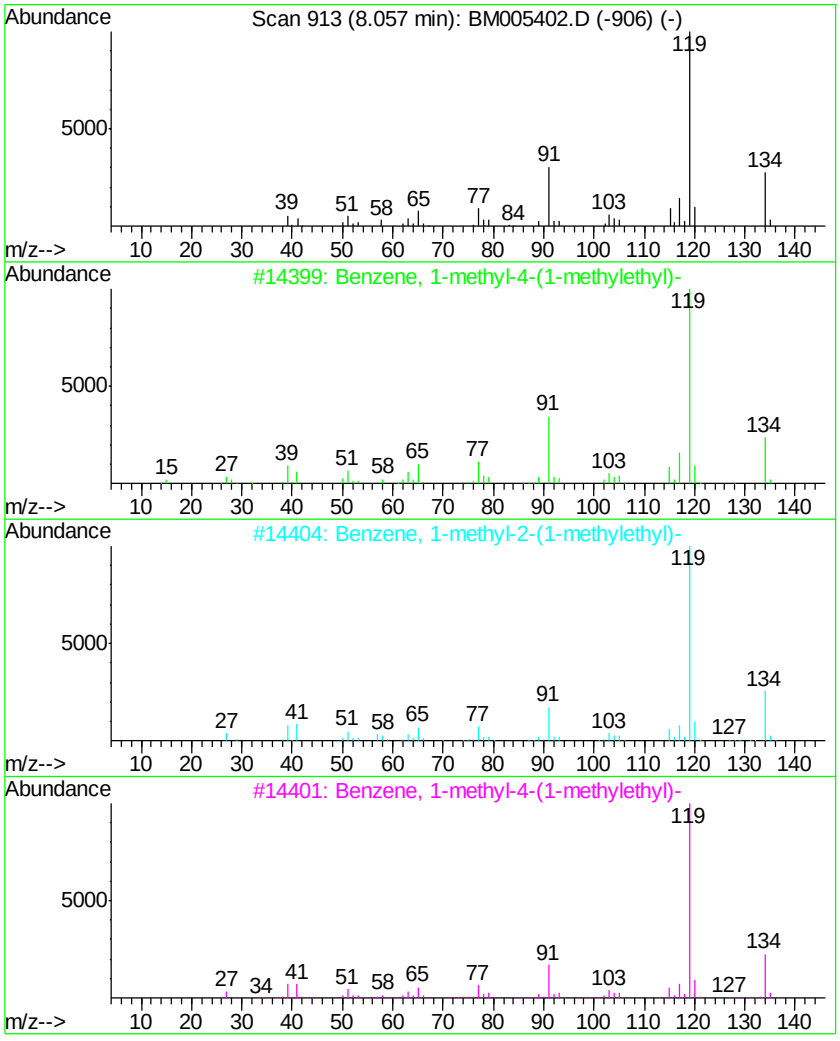
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

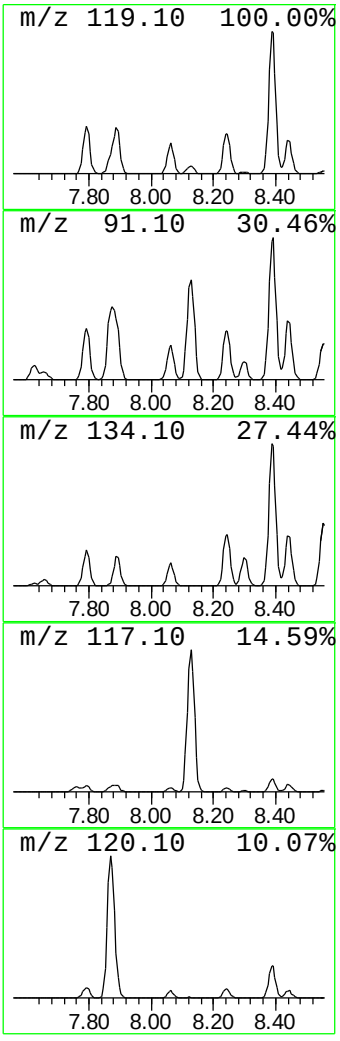
****

Peak Number 7 Benzene, 1-methyl-4-(1-meth... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	6.68 ng/ul	173240	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

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Quant Title : SVOA CALIBRATION

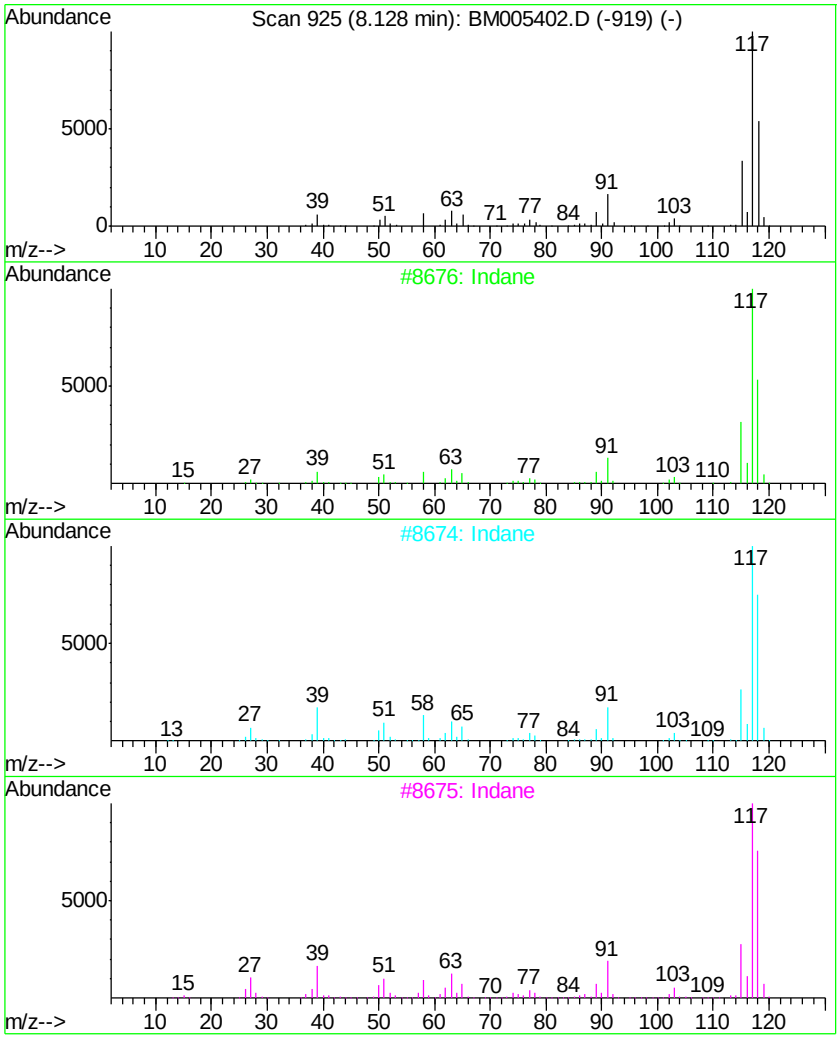
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

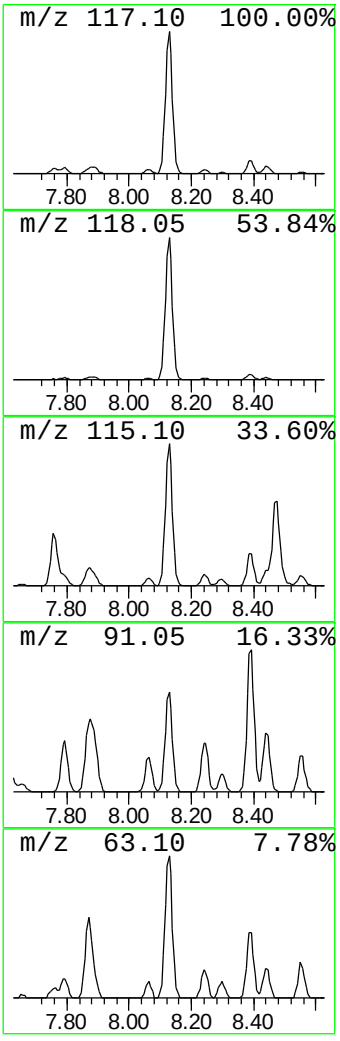
****

Peak Number 8 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	37.81 ng/ul	981160	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Deltacyclene	118	C9H10	007785-10-6	74
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64





Library Search Compound Report

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Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

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Quant Title : SVOA CALIBRATION

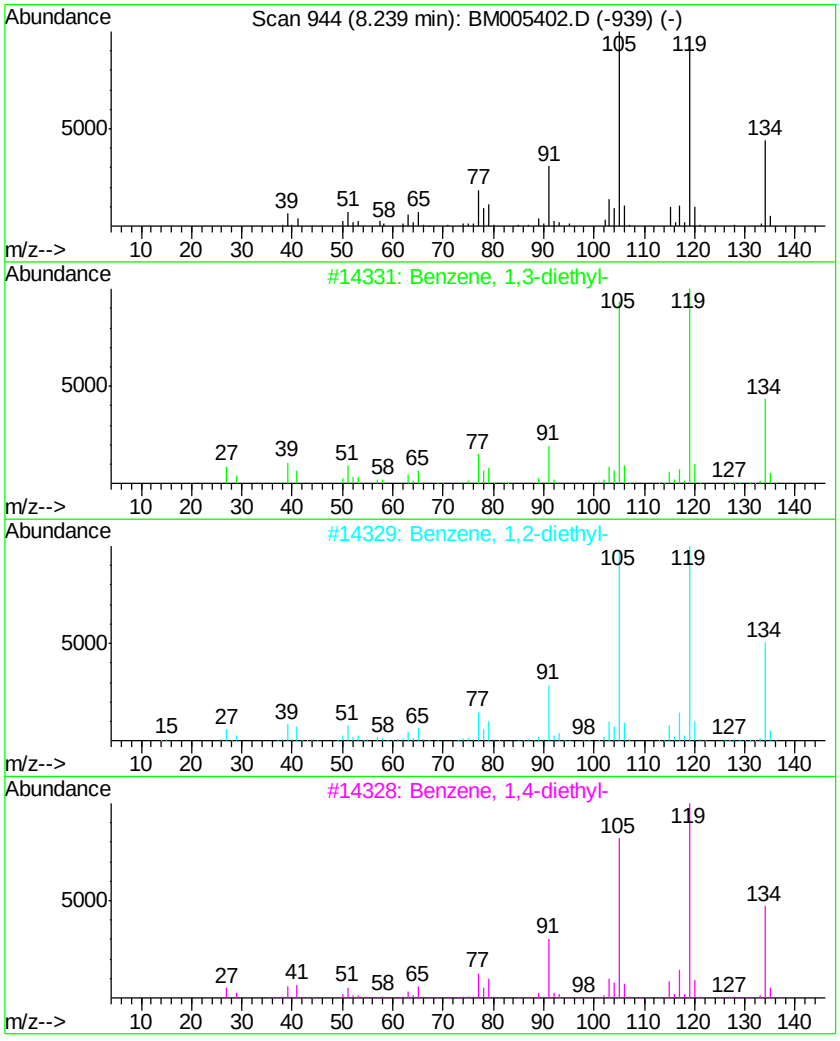
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

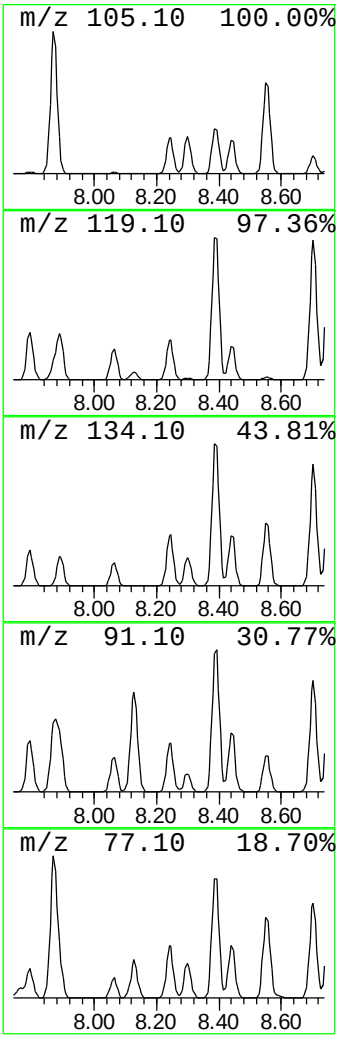
****

Peak Number 9 Benzene, 1,3-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	14.72 ng/ul	382079	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94





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ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

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Quant Title : SVOA CALIBRATION

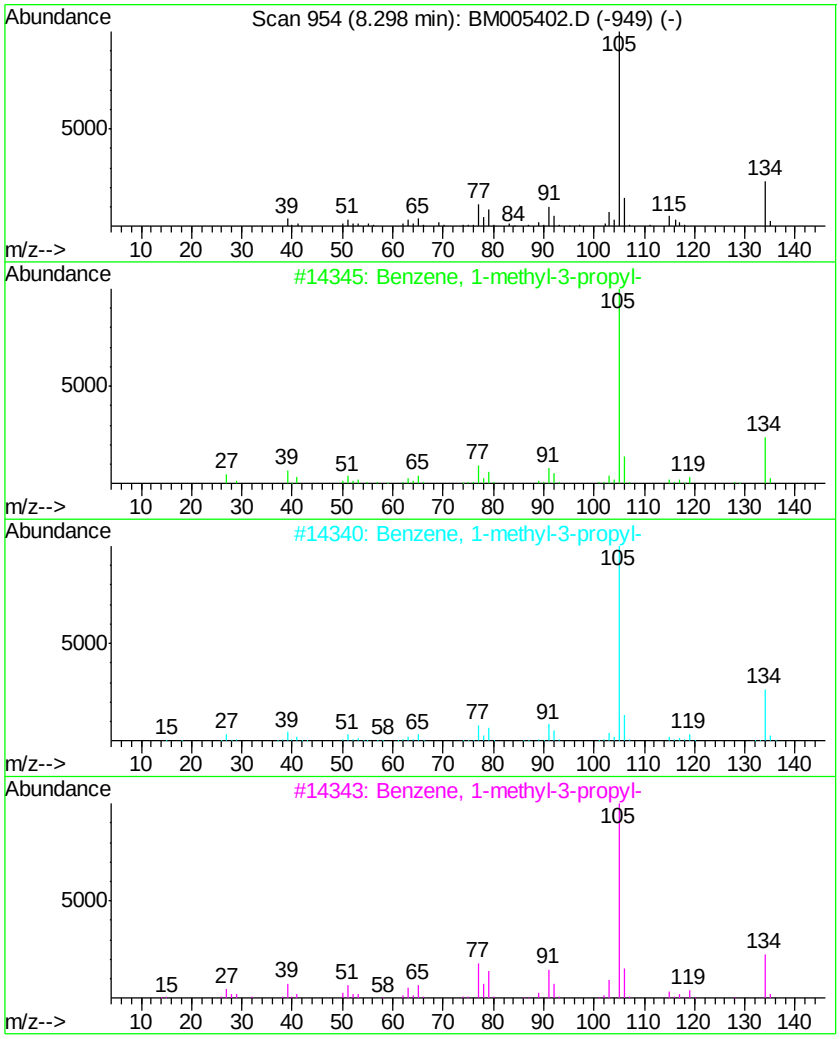
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

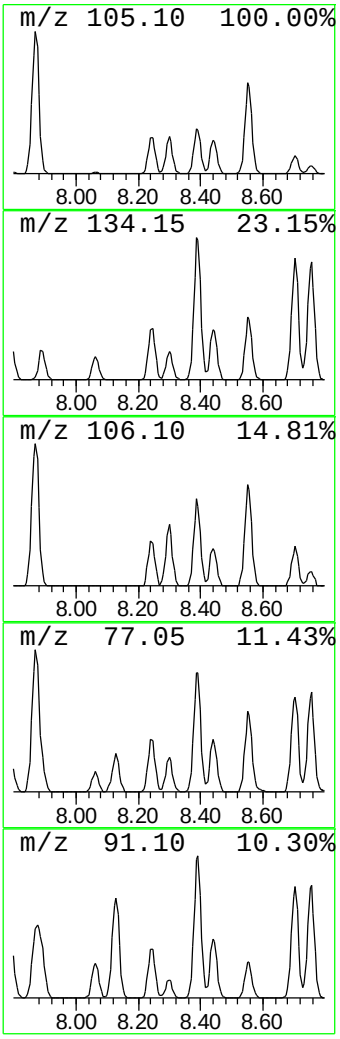
****

Peak Number 10 Benzene, 1-methyl-3-propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	8.95 ng/ul	232233	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	94
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





Library Search Compound Report

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Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

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Quant Title : SVOA CALIBRATION

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

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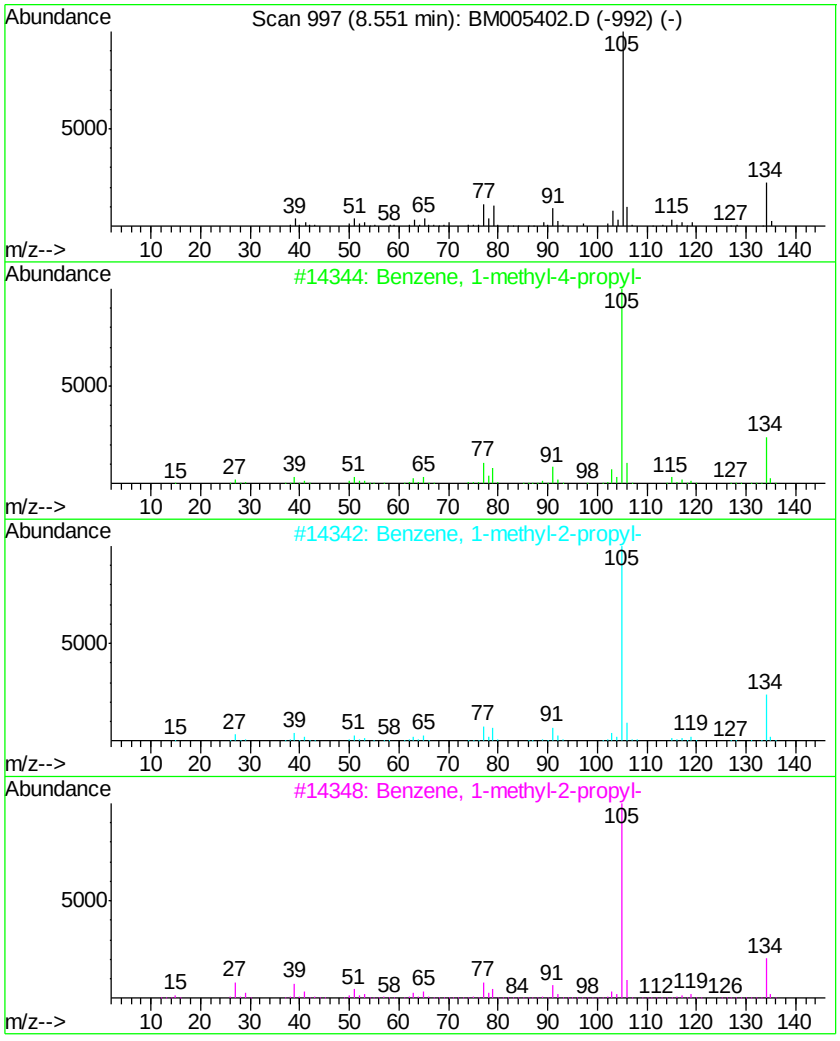
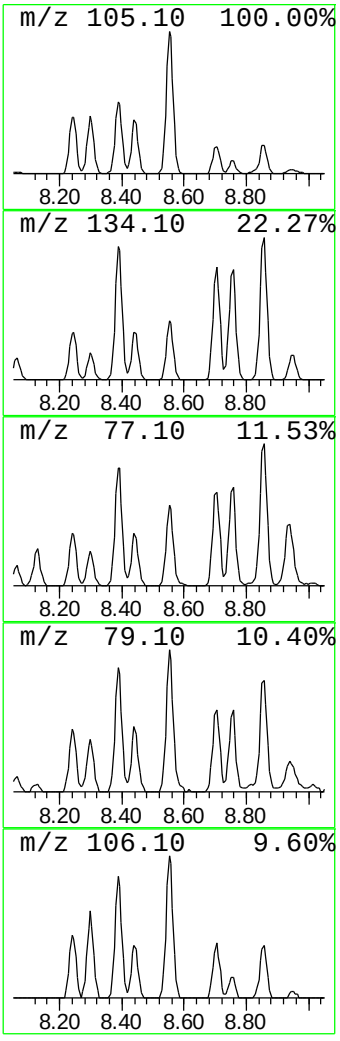
Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	20.21 ng/ul	524346	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91





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ClientSampleId : D9X12

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Quant Title : SVOA CALIBRATION

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

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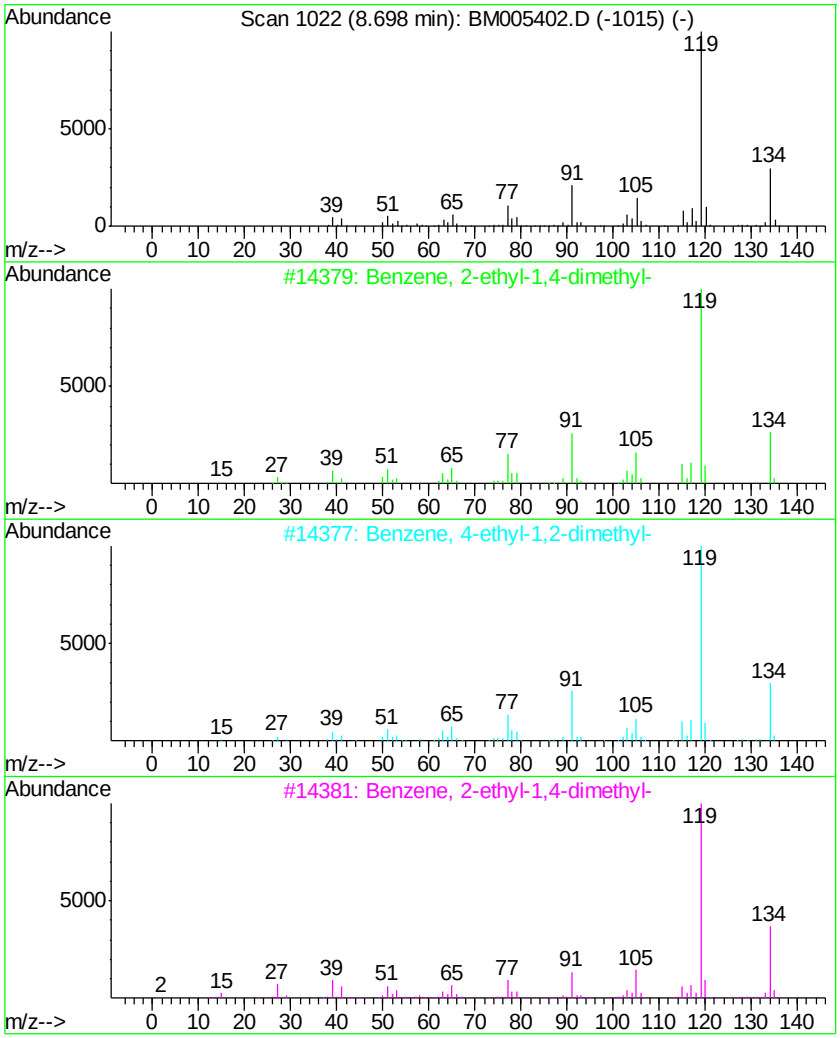
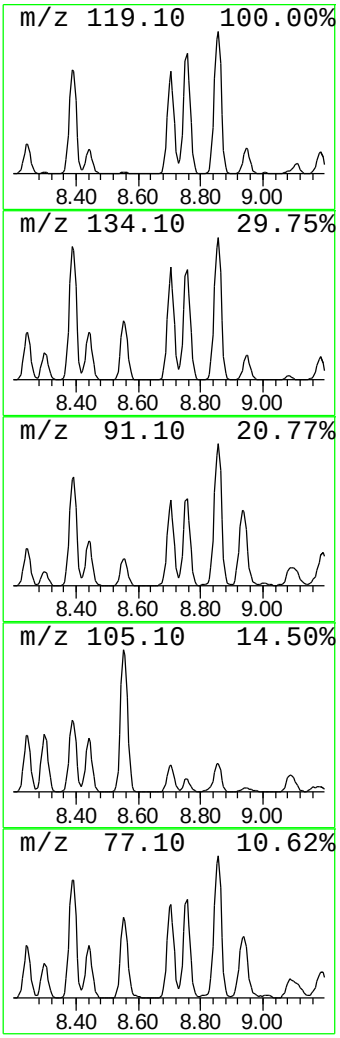
Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	31.84 ng/ul	826205	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95





Library Search Compound Report

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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 15 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	55.62 ng/ul	1443280	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81
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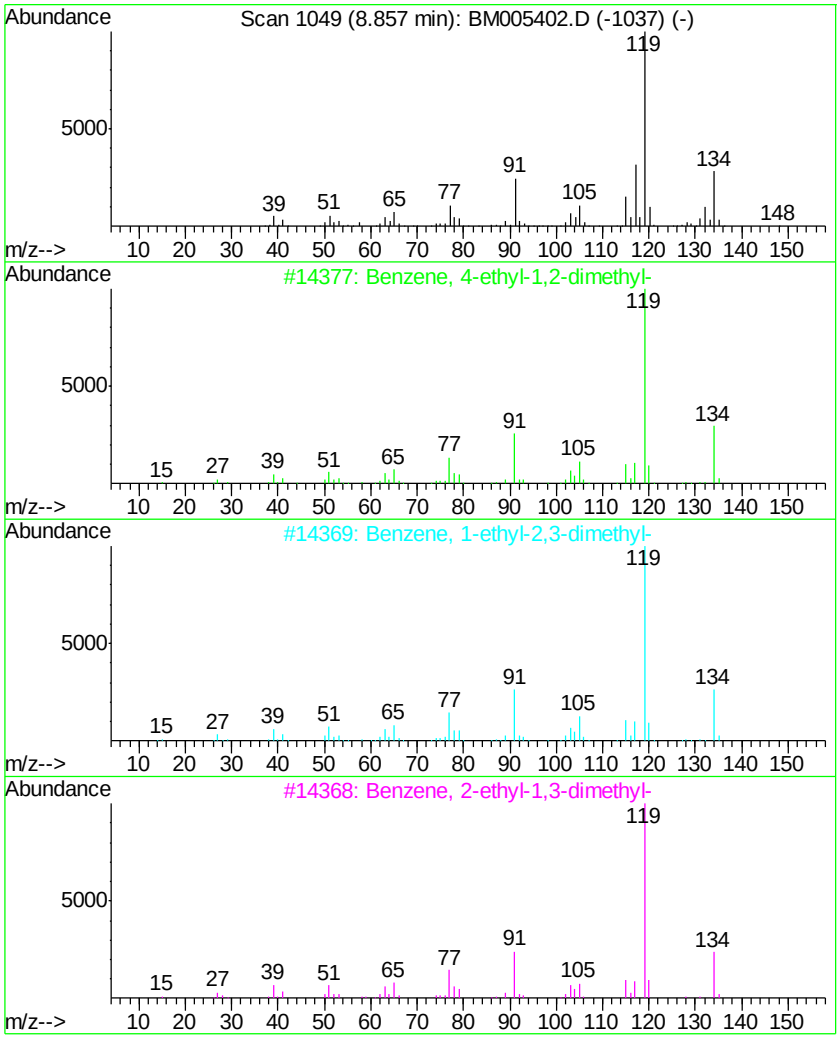

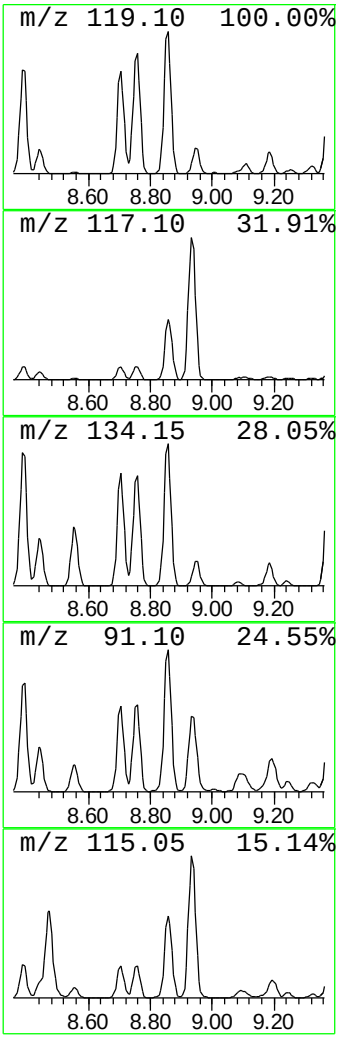

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Instrument : BNA_M
ClientSampleId : D9X12

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Quant Title : SVOA CALIBRATION

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

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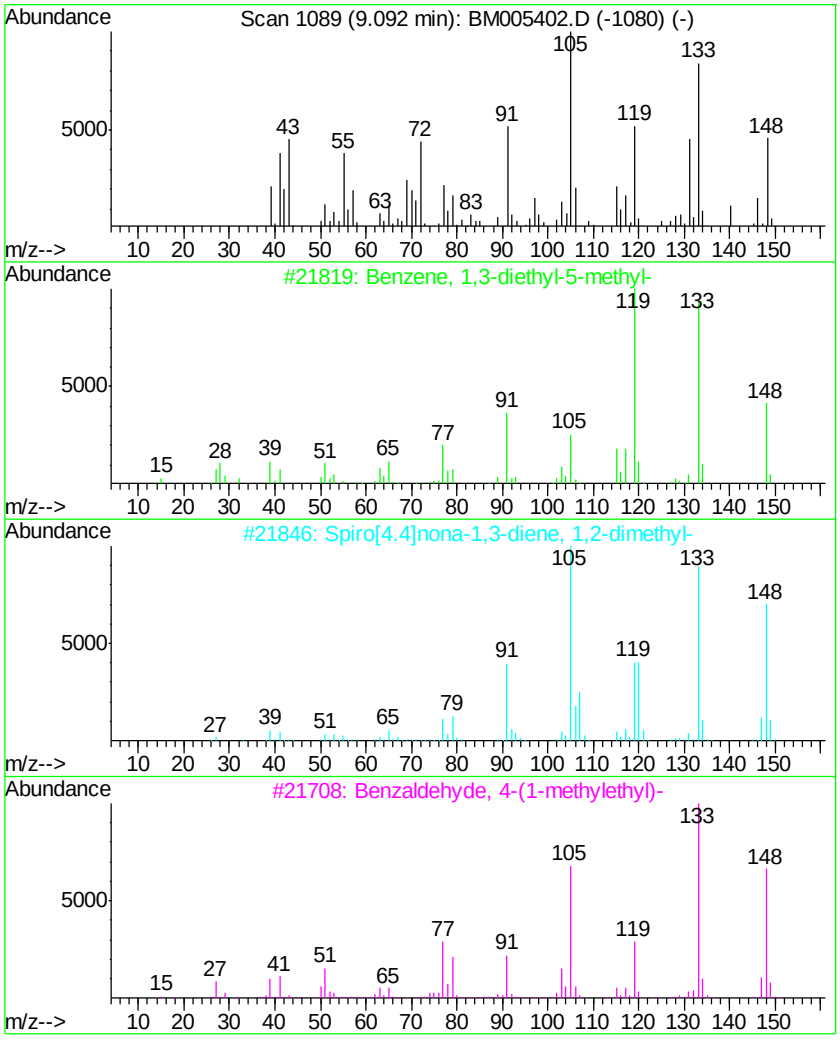
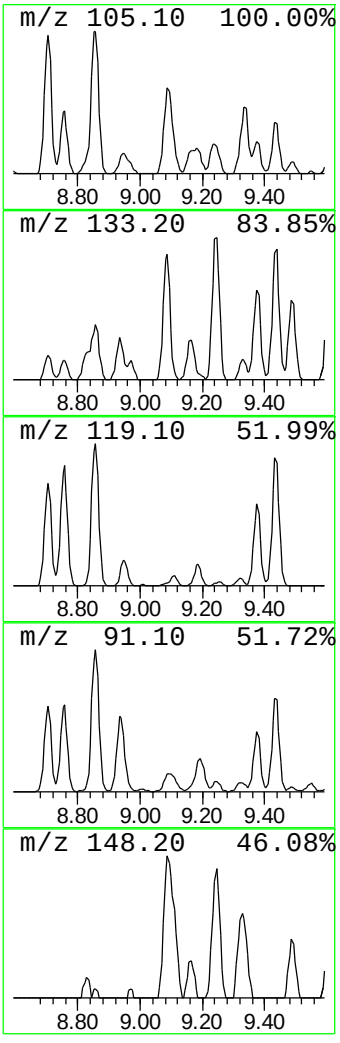
Peak Number 16 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	16.81 ng/ul	436162	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
2	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	52
3	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	50
4	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	50
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49





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Instrument : BNA_M
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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 17 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	8.02 ng/ul	386450	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	87
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
3	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	60
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55
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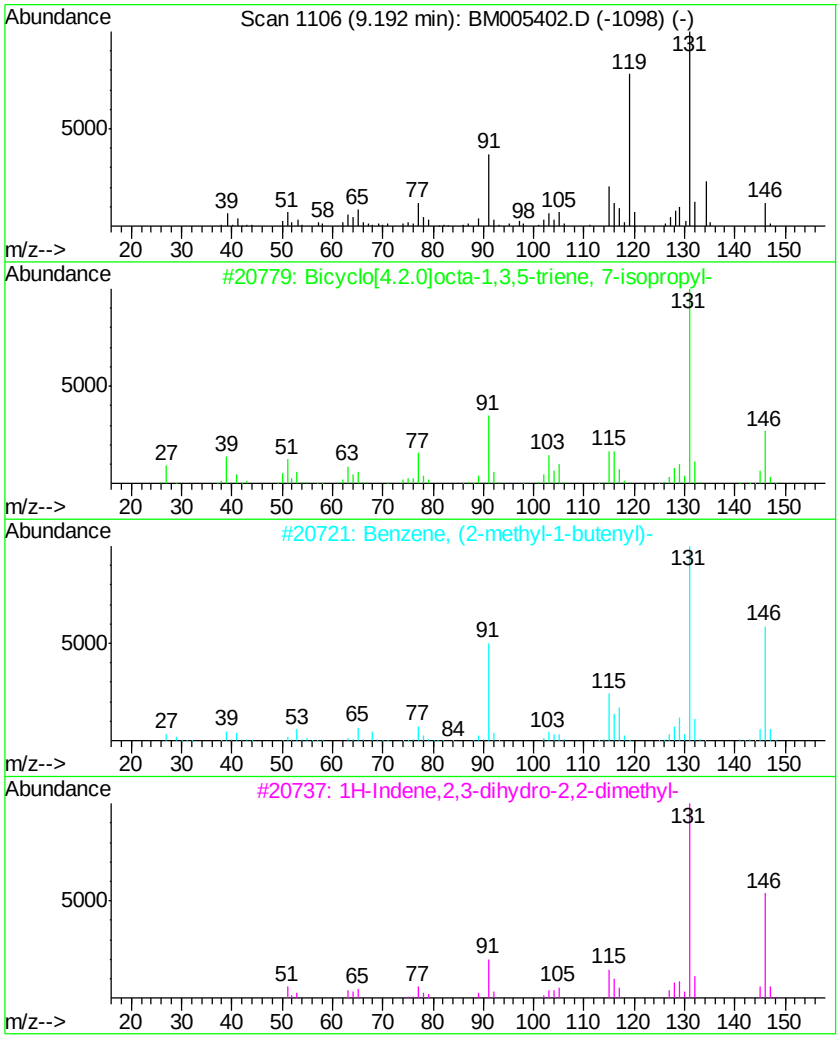

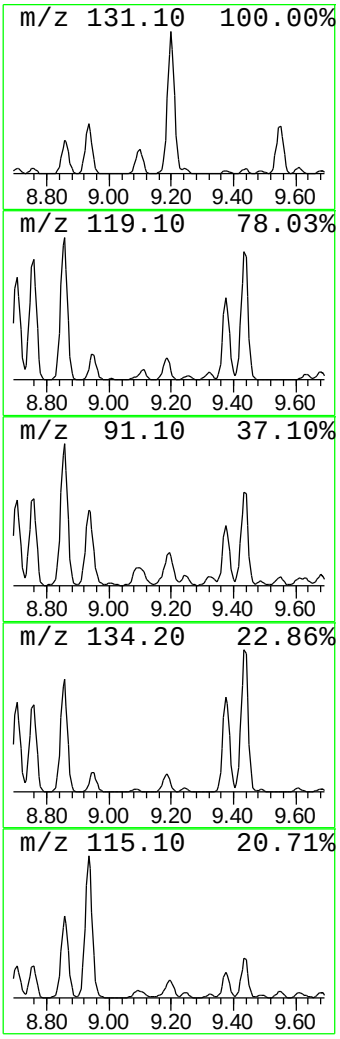

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Quant Title : SVOA CALIBRATION

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

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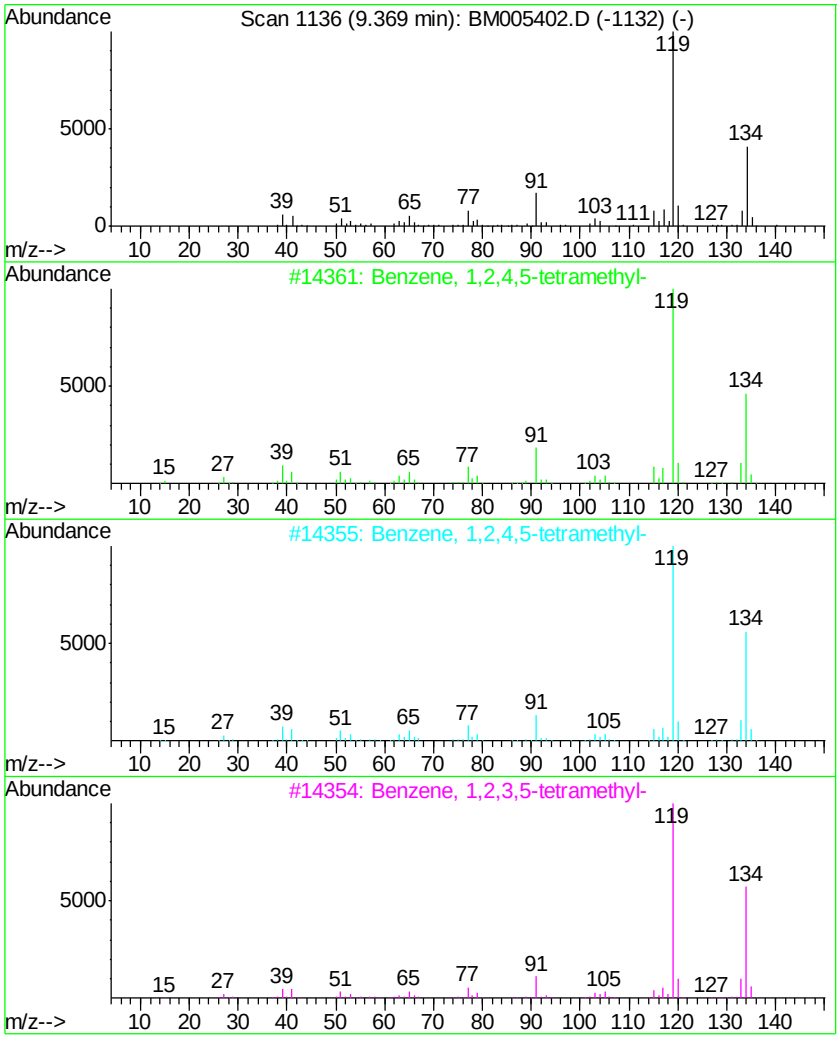
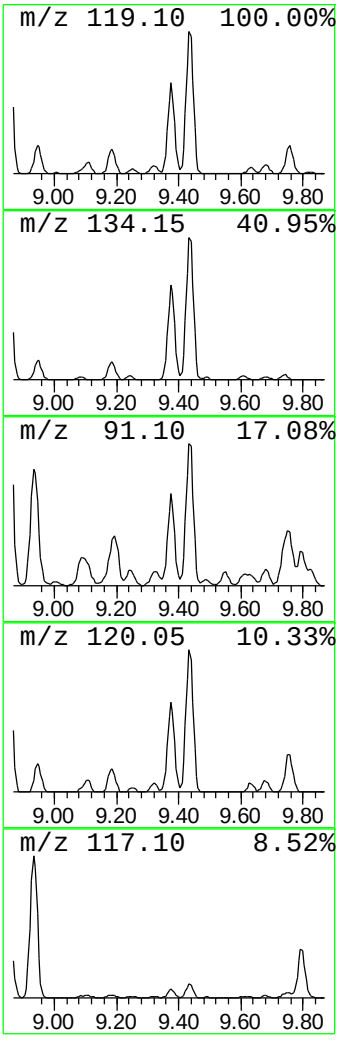
Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	12.44 ng/ul	599125	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Quant Title : SVOA CALIBRATION

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

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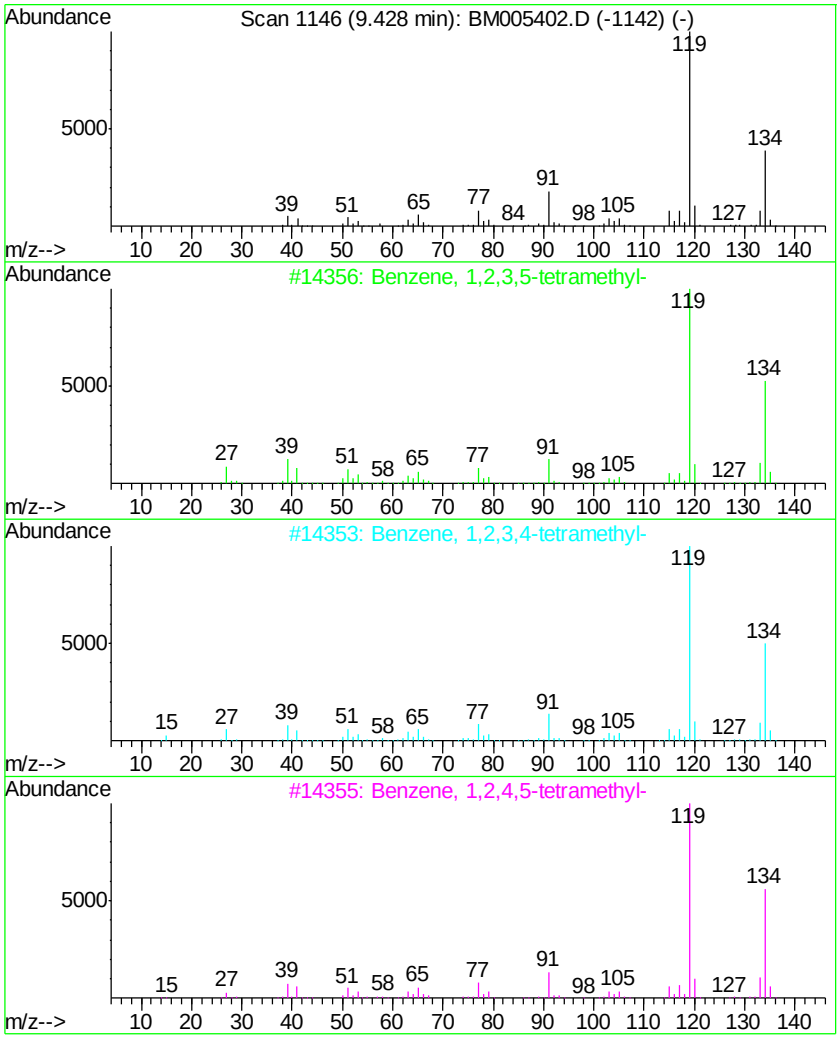
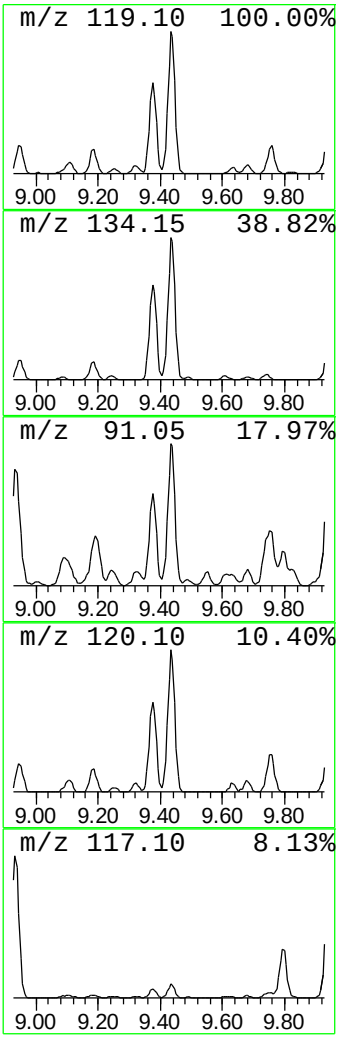
Peak Number 21 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	19.66 ng/ul	947056	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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Quant Title : SVOA CALIBRATION

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

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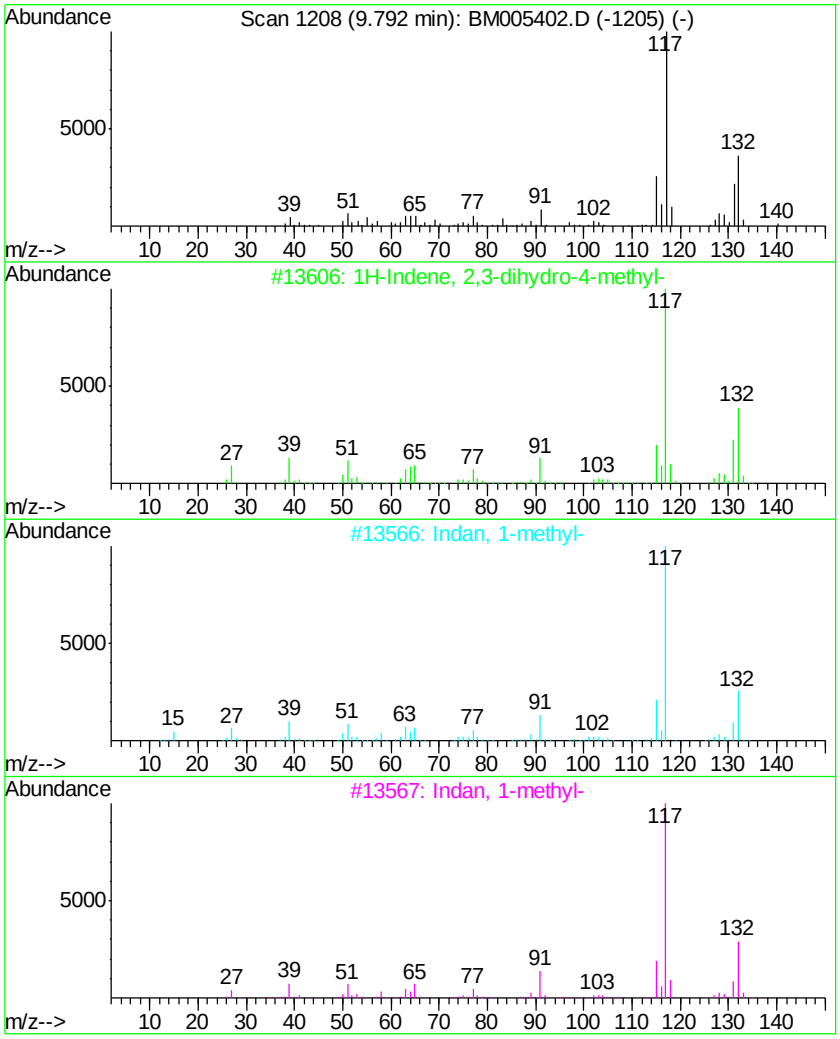
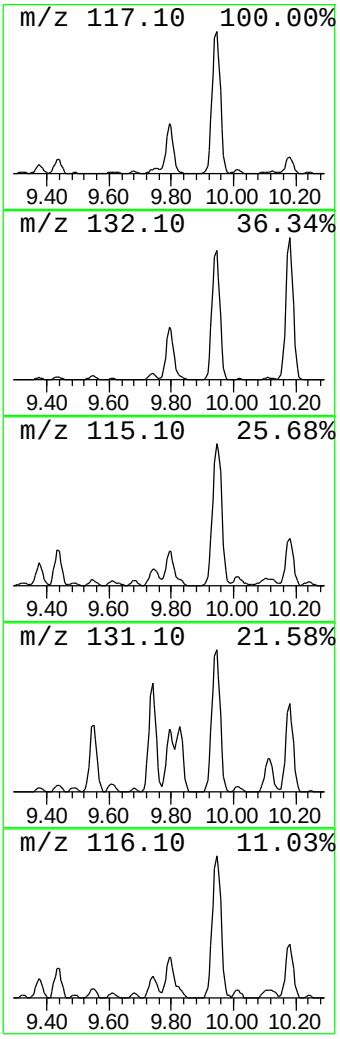
Peak Number 23 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	4.81 ng/ul	231985	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Indan, 1-methyl-	132	C10H12	000767-58-8	72
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72





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Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

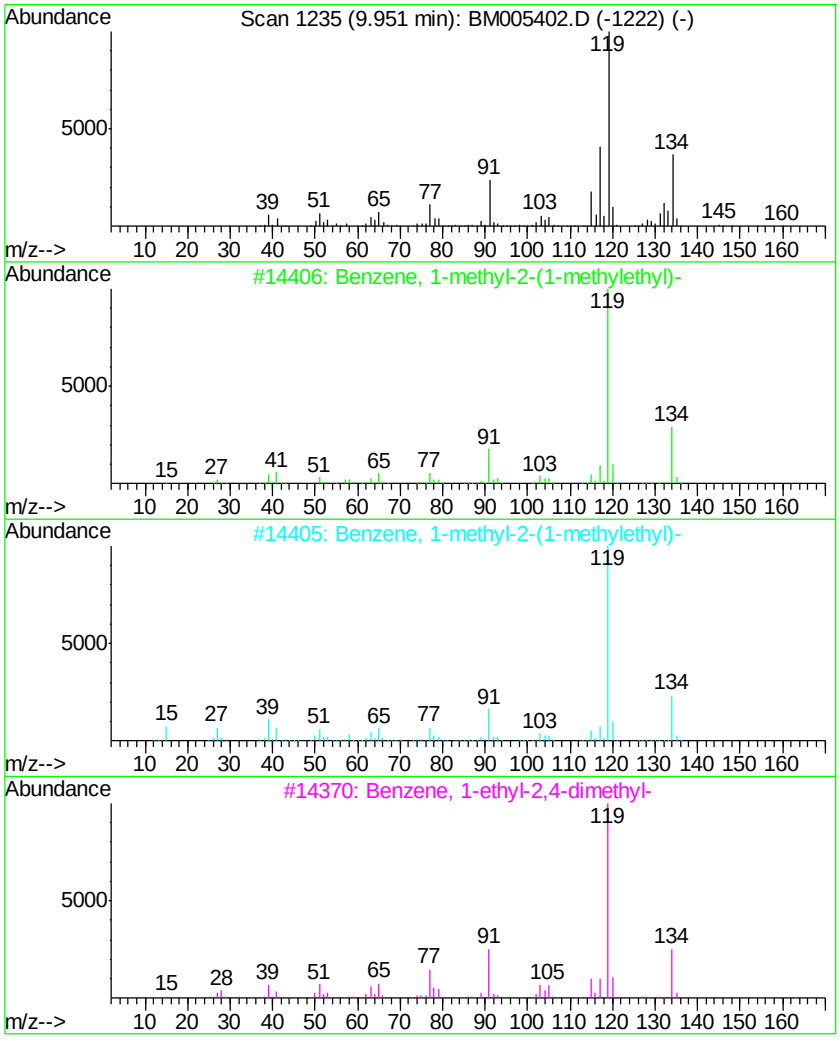
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

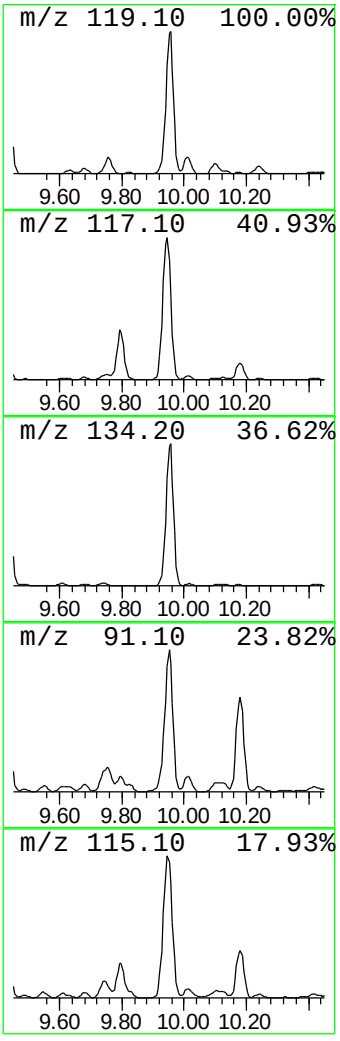
****

Peak Number 24 Benzene, 1-methyl-2-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	62.63 ng/ul	3017410	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	70
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	64
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	64
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

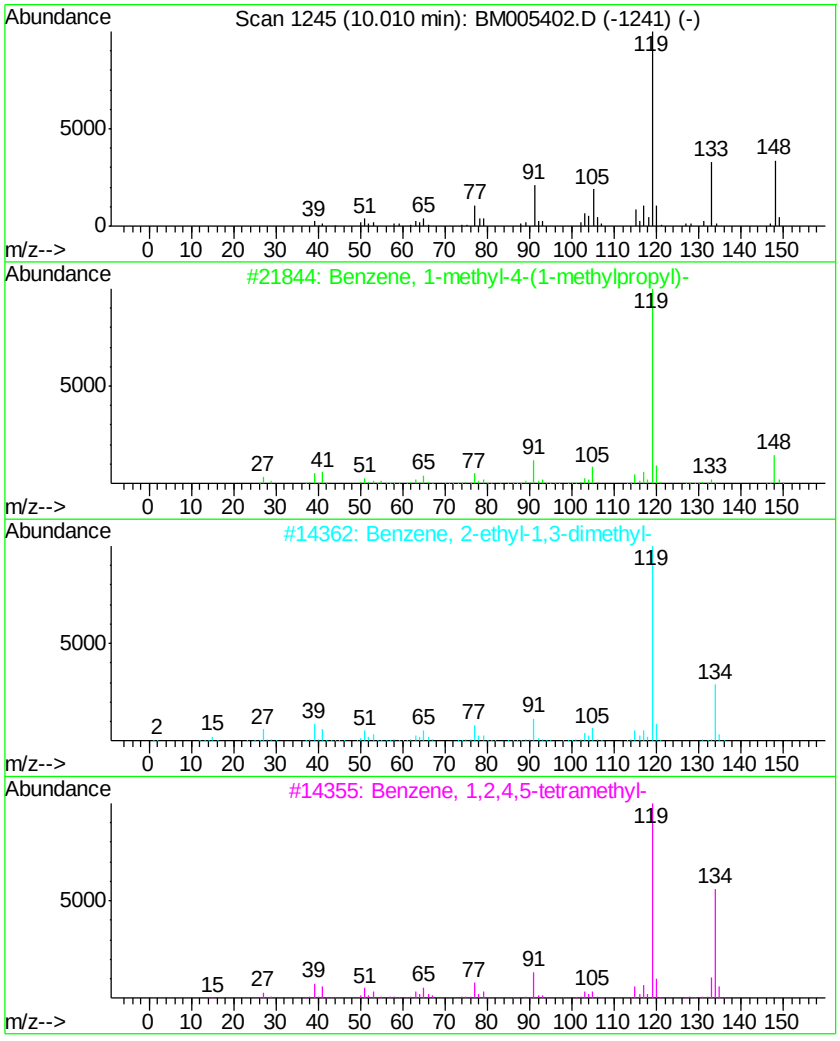
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

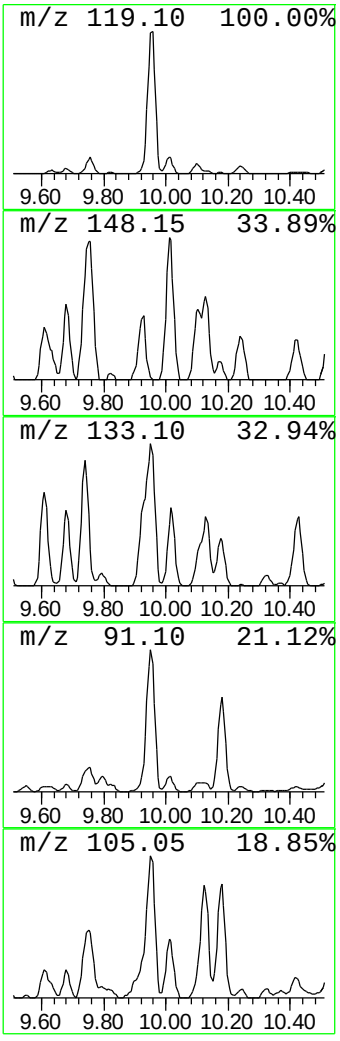
****

Peak Number 25 Benzene, 1-methyl-4-(1-meth... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	4.67 ng/ul	225158	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59





Library Search Compound Report

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Data File : BM005402.D
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Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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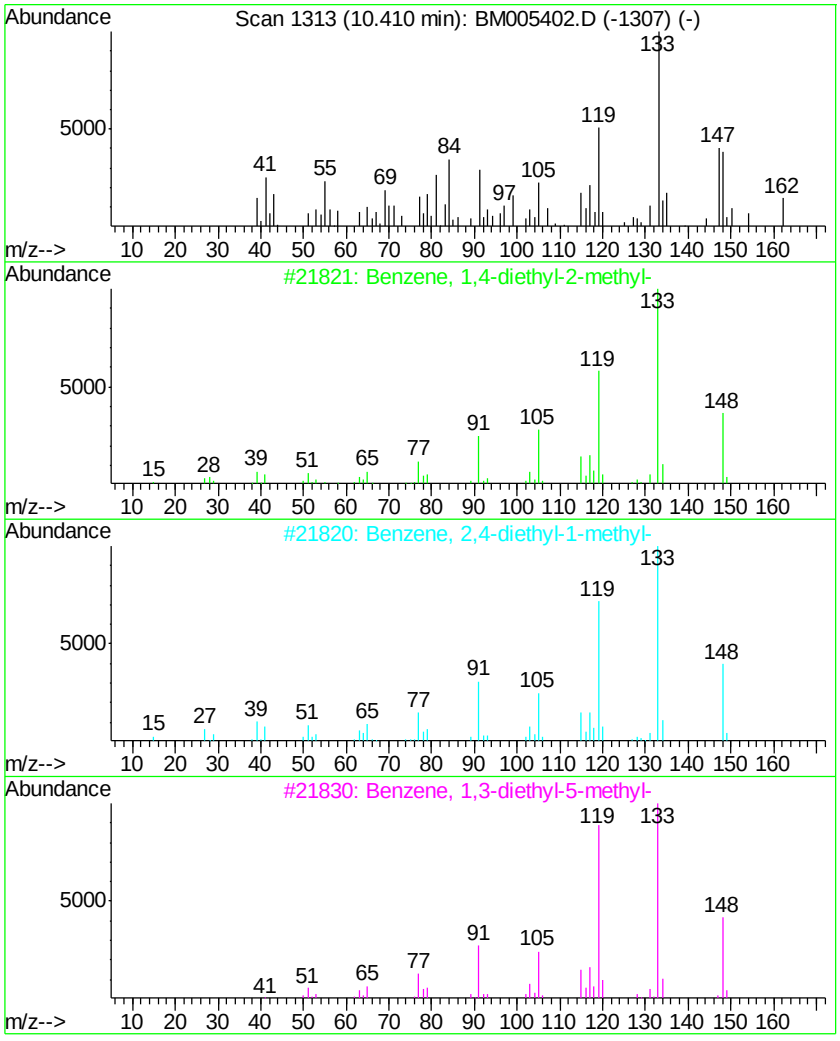
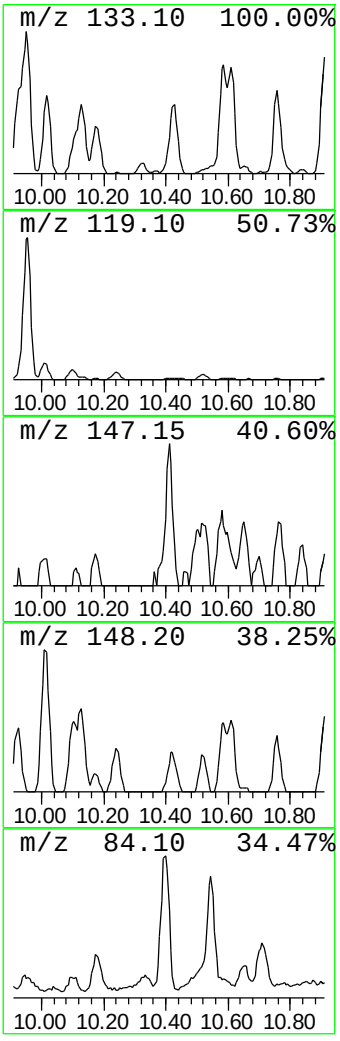
Peak Number 27 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	3.40 ng/ul	163635	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49





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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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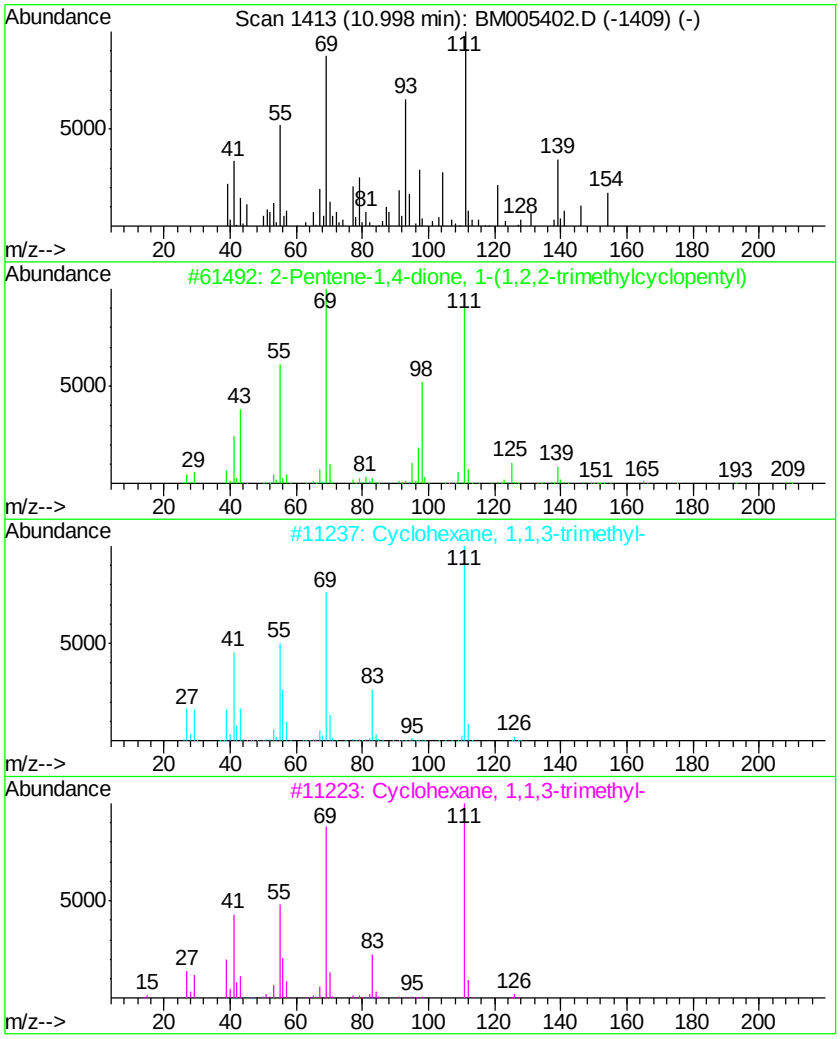
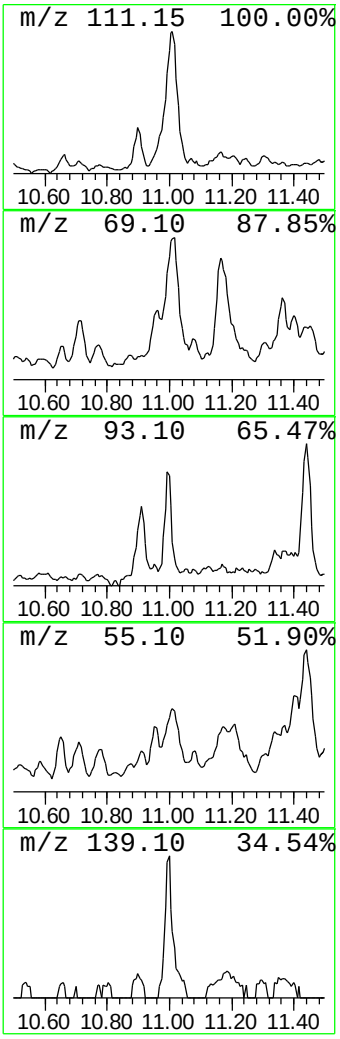
Peak Number 31 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	6.07 ng/ul	292630	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene-1,4-dione, 1-(1,2,2-tr...	208	C13H20O2	1000196-77-9	47
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	32
5	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	27





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Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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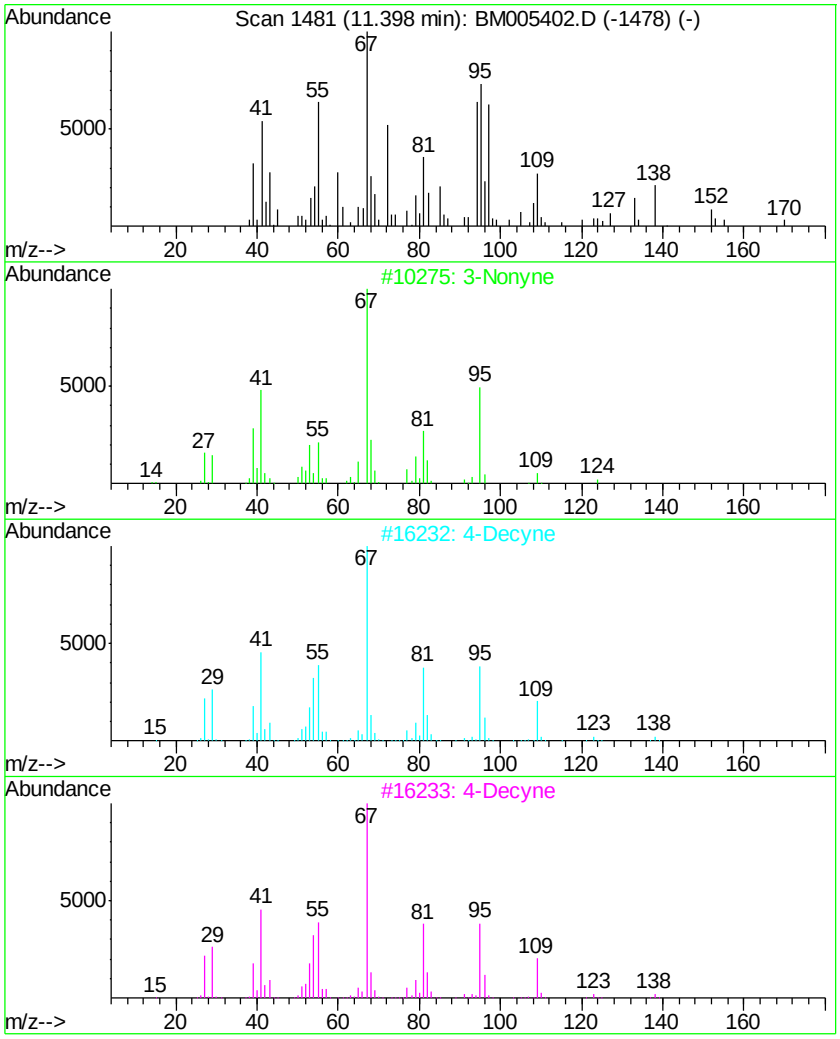
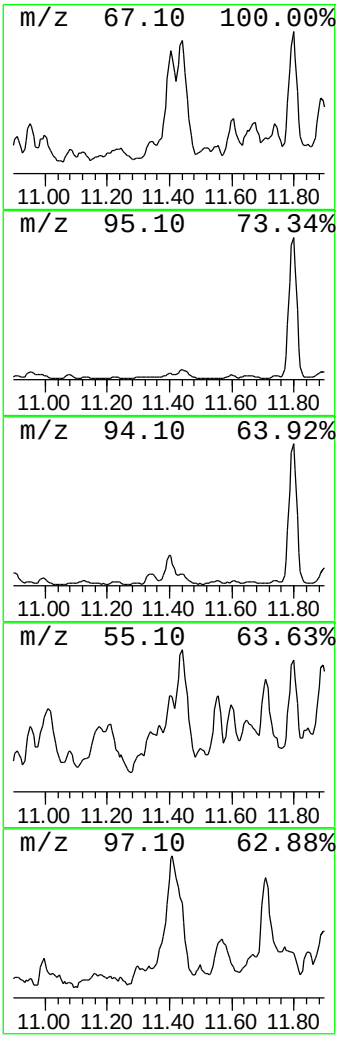
Peak Number 33 (DEL) Alkane: Branched-11.40 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	5.38 ng/ul	259350	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonyne	124	C9H16	020184-89-8	25
2	4-Decyne	138	C10H18	002384-86-3	22
3	4-Decyne	138	C10H18	002384-86-3	22
4	Cyclohexene, 1-methyl-3-(formylm...	138	C9H14O	129993-40-4	18
5	1-Isopropyl-pyrimidin-2(1H)-one	138	C7H10N2O	003739-86-4	14





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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

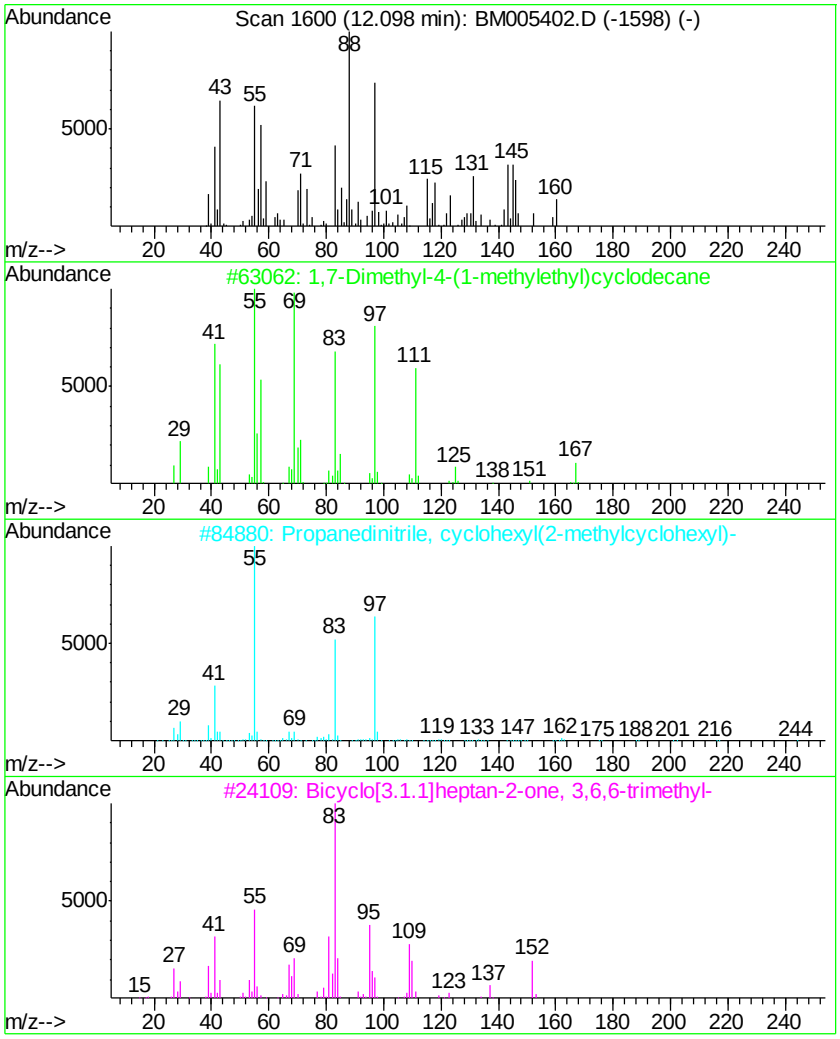
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

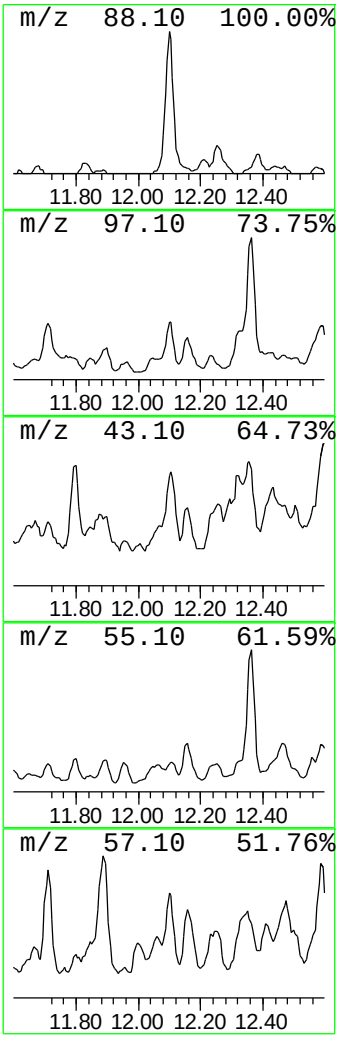
****

Peak Number 41 (DEL) Alkane: Cyclic-12.10 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	5.58 ng/ul	268888	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	27
2	Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	22
3	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	14
4	4,4-Dimethylpent-2-enal	112	C7H12O	1000195-01-6	12
5	1,1'-Bicyclohexyl, 2-methyl-, tr...	180	C13H24	050991-09-8	10





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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

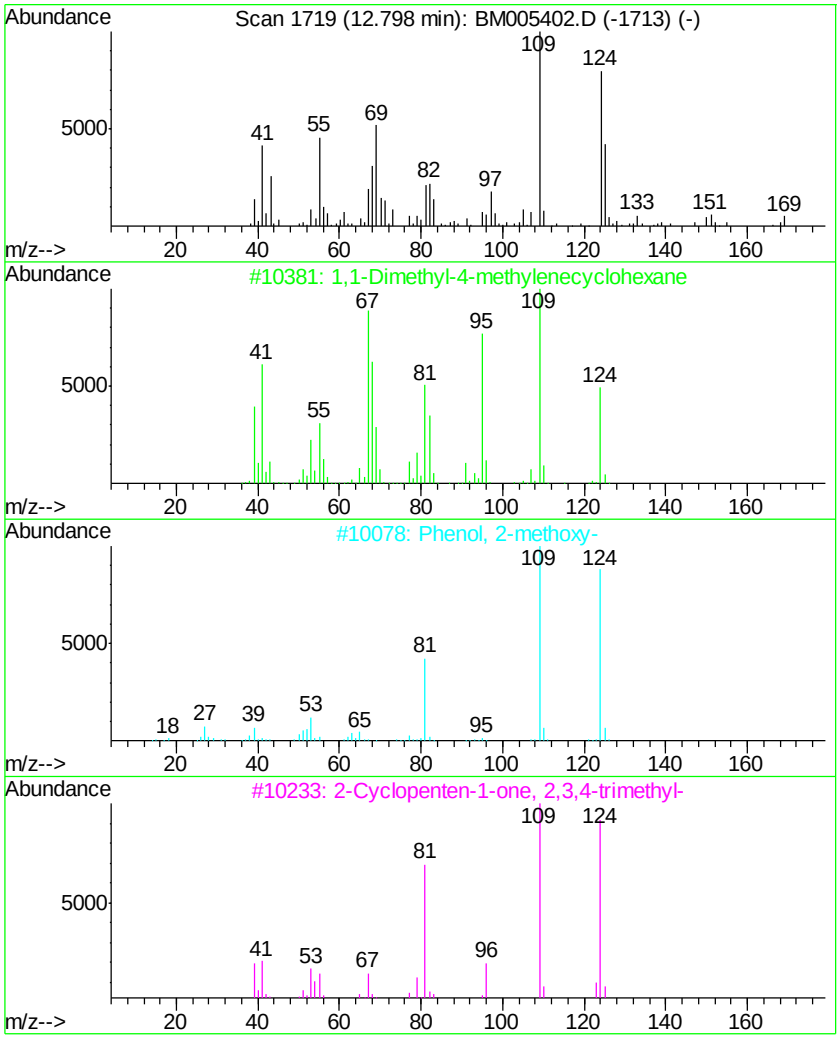
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

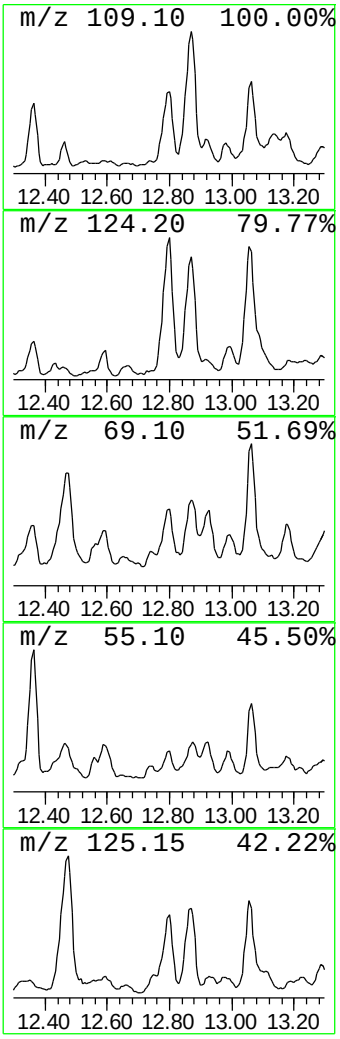
****

Peak Number 49 (DEL) Alkane: Branched-12.80 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	11.21 ng/ul	591787	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dimethyl-4-methylenecyclohexane	124	C9H16	006007-96-1	50
2	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	49
3	2-Cyclopenten-1-one, 2,3,4-trime...	124	C8H12O	028790-86-5	47
4	2-Cyclopenten-1-one, 3,4,4-trime...	124	C8H12O	030434-65-2	47
5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	47





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Acq On : 12 May 2016 00:20
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Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

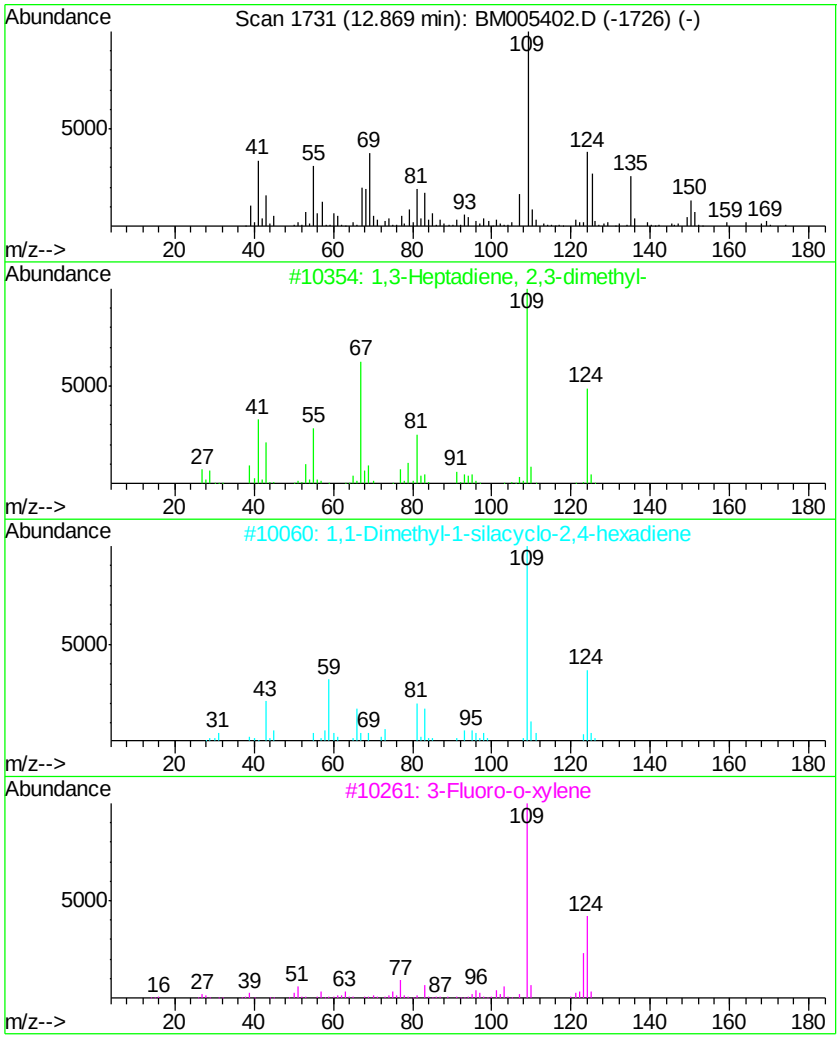
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

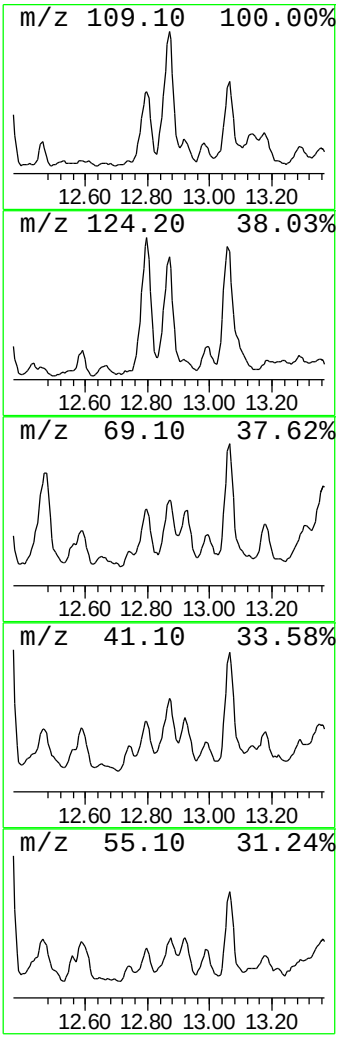
****

Peak Number 50 (DEL) Alkane: Branched-12.87 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	17.81 ng/ul	939893	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	43
2	1,1-Dimethyl-1-silacyclo-2,4-hex...	124	C7H12Si	052023-18-4	41
3	3-Fluoro-o-xylene	124	C8H9F	000443-82-3	38
4	2-Cyclopenten-1-one, 3,5,5-trime...	124	C8H12O	024156-95-4	38
5	Cyclopent-2-ene-1-one, 2,3,4-tri...	124	C8H12O	083321-16-8	38





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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

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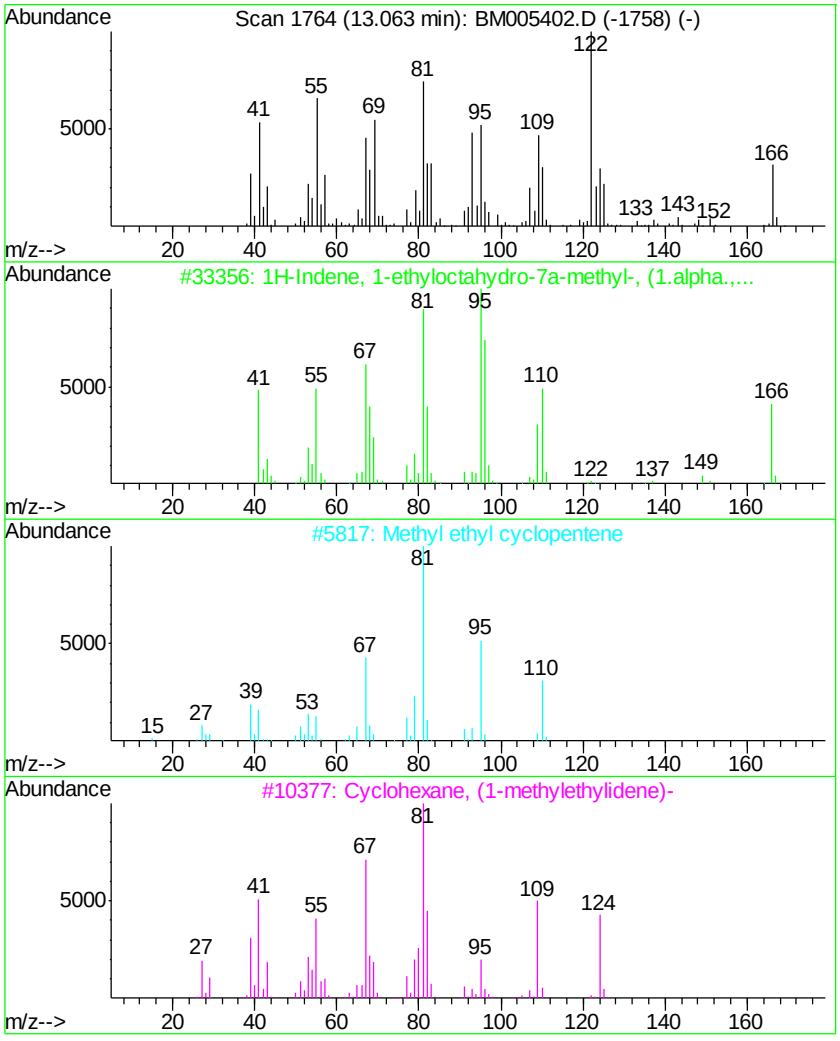
Quant Title : SVOA CALIBRATION

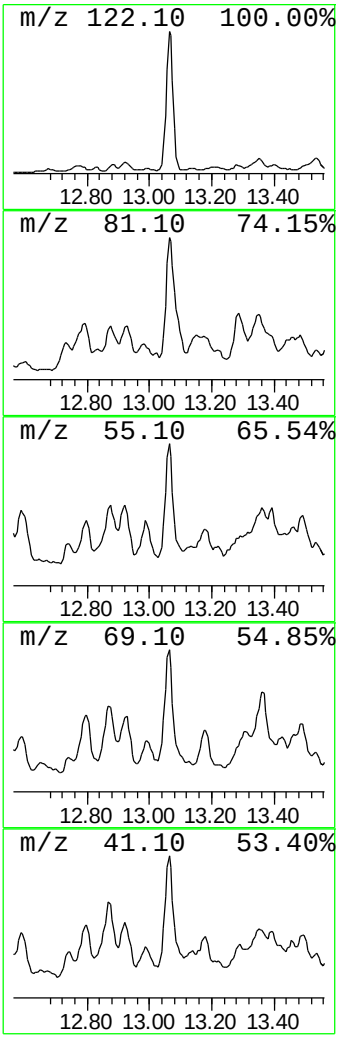
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Branched-13.06 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	27.20 ng/ul	1435370	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	60
2	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	38
3	Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	30
4	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	27
5	cis-3,4-Chromandiol	166	C9H10O3	017698-40-7	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

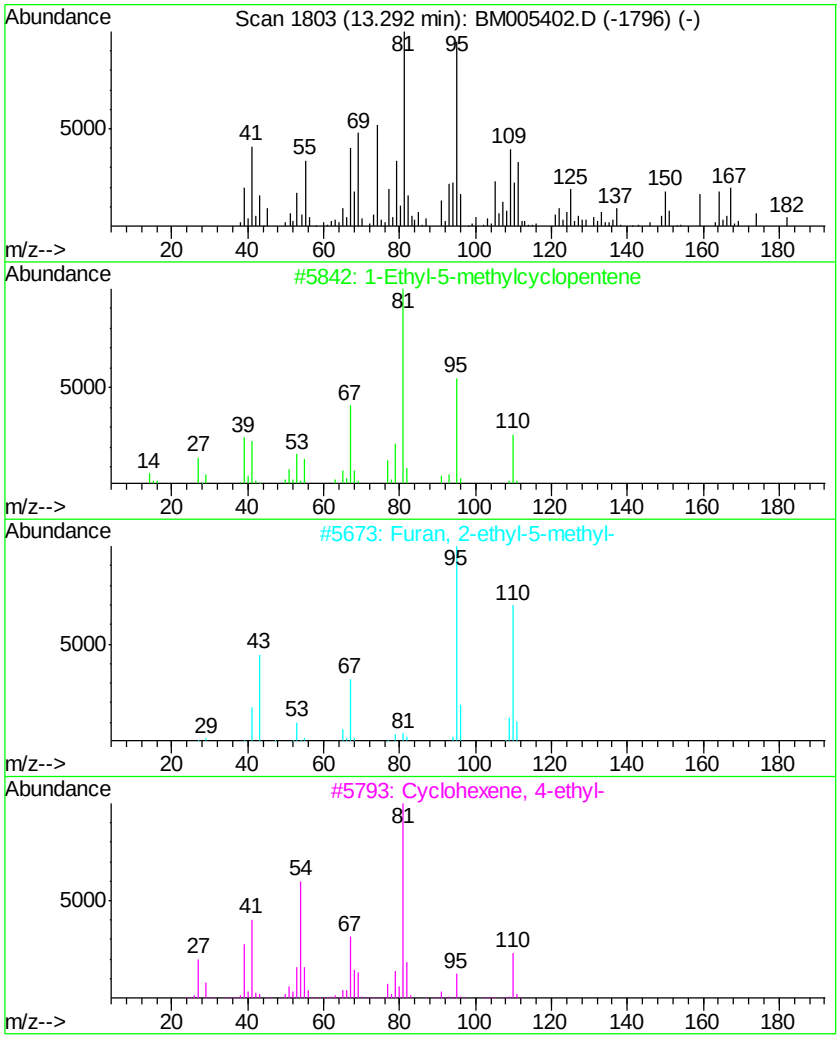
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

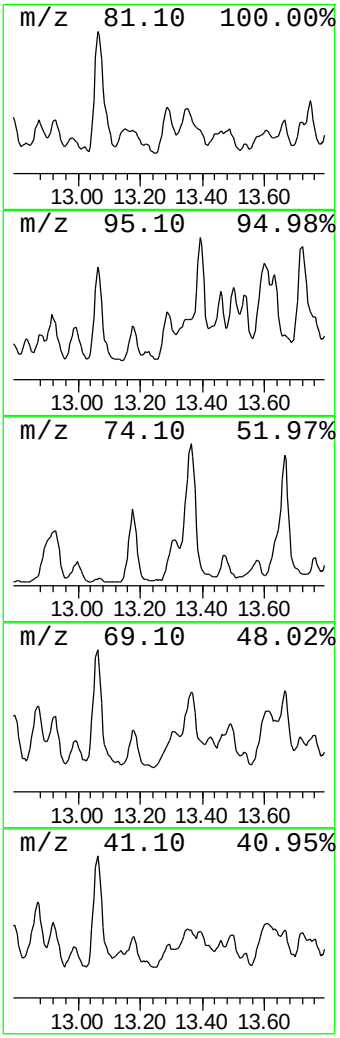
****

Peak Number 55 (DEL) Alkane: Branched-13.29 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	9.07 ng/ul	478730	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	46
2	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	43
3	Cyclohexene, 4-ethyl-	110	C8H14	003742-42-5	38
4	Cyclohexene, 4-ethyl-	110	C8H14	003742-42-5	38
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
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Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
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ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

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Quant Title : SVOA CALIBRATION

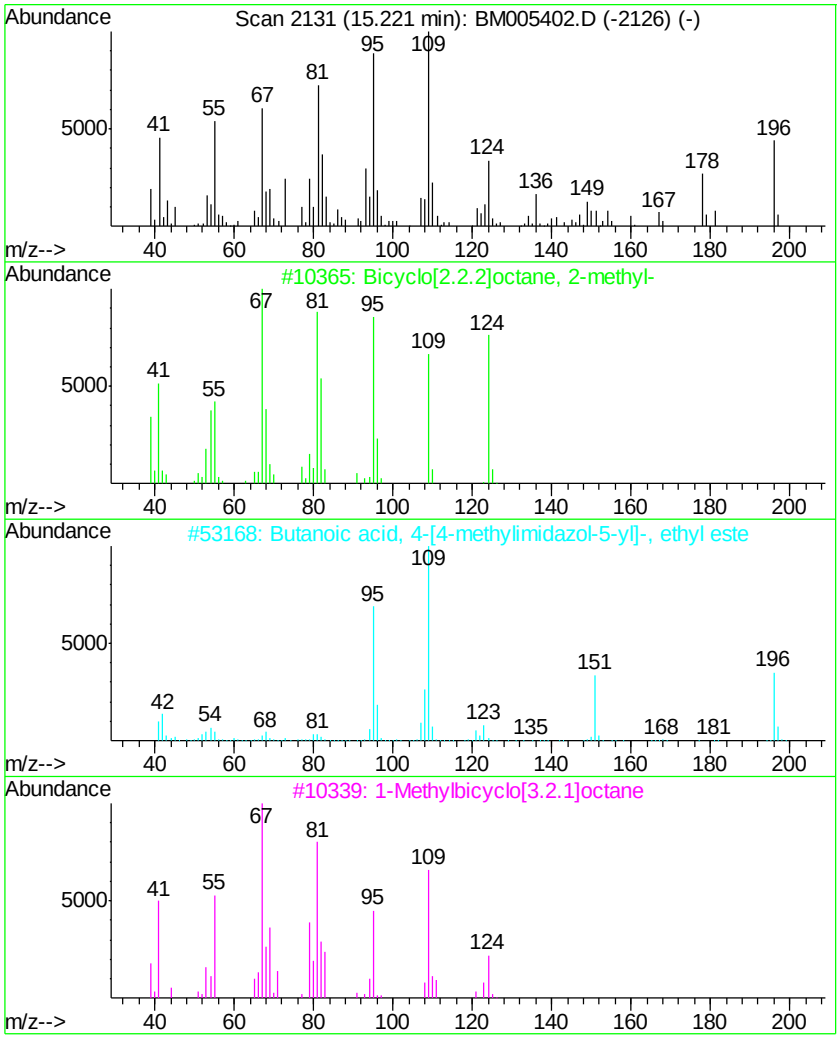
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

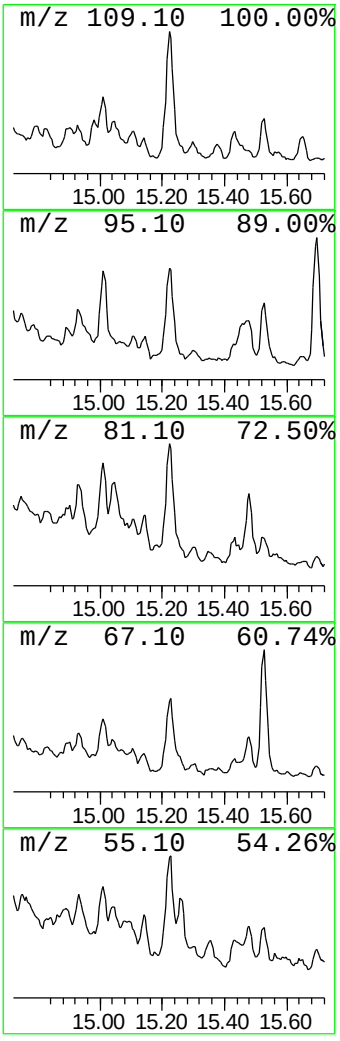
****

Peak Number 67 (DEL) Alkane: Branched-15.22 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	9.84 ng/ul	519345	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	55
2	Butanoic acid, 4-[4-methylimidaz...	196	C10H16N2O2	1000116-74-5	49
3	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	46
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	41
5	Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005402.D
Acq On : 12 May 2016 00:20
Operator : UM/SJ
Sample : H2890-23
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9X12

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.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, propyl-	6.74	4.8	ng/ul	125273	1	7.76	518959	20.0
Benzene, 1-ethyl-...	6.85	22.2	ng/ul	575426	1	7.76	518959	20.0
Benzene, 1-ethyl-...	7.15	48.6	ng/ul	1261370	1	7.76	518959	20.0
Benzene, 1,2,3-tr...	7.41	141.4	ng/ul	3668890	1	7.76	518959	20.0
Benzene, 1-methyl...	8.06	6.7	ng/ul	173240	1	7.76	518959	20.0
Indane	8.13	37.8	ng/ul	981160	1	7.76	518959	20.0
Benzene, 1,3-diet...	8.24	14.7	ng/ul	382079	1	7.76	518959	20.0
Benzene, 1-methyl...	8.30	8.9	ng/ul	232233	1	7.76	518959	20.0
Benzene, 1-methyl...	8.55	20.2	ng/ul	524346	1	7.76	518959	20.0
Benzene, 2-ethyl-...	8.70	31.8	ng/ul	826205	1	7.76	518959	20.0
Benzene, 4-ethyl-...	8.86	55.6	ng/ul	1443280	1	7.76	518959	20.0
Benzene, 1,3-diet...	9.09	16.8	ng/ul	436162	1	7.76	518959	20.0
Bicyclo[4.2.0]oct...	9.19	8.0	ng/ul	386450	2	10.55	963609	20.0
Benzene, 1,2,4,5-...	9.37	12.4	ng/ul	599125	2	10.55	963609	20.0
Benzene, 1,2,3,5-...	9.43	19.7	ng/ul	947056	2	10.55	963609	20.0
1H-Indene, 2,3-di...	9.79	4.8	ng/ul	231985	2	10.55	963609	20.0
Benzene, 1-methyl...	9.95	62.6	ng/ul	3017410	2	10.55	963609	20.0
Benzene, 1-methyl...	10.01	4.7	ng/ul	225158	2	10.55	963609	20.0
Benzene, 1,4-diet...	10.41	3.4	ng/ul	163635	2	10.55	963609	20.0
unknown-01	11.00	6.1	ng/ul	292630	2	10.55	963609	20.0
(DEL) Alkane: Bra...	11.40	5.4	ng/ul	259350	2	10.55	963609	20.0
(DEL) Alkane: Cyc...	12.10	5.6	ng/ul	268888	2	10.55	963609	20.0
(DEL) Alkane: Bra...	12.80	11.2	ng/ul	591787	3	14.40	1055470	20.0
(DEL) Alkane: Bra...	12.87	17.8	ng/ul	939893	3	14.40	1055470	20.0
(DEL) Alkane: Bra...	13.06	27.2	ng/ul	1435370	3	14.40	1055470	20.0
(DEL) Alkane: Bra...	13.29	9.1	ng/ul	478730	3	14.40	1055470	20.0
(DEL) Alkane: Bra...	15.22	9.8	ng/ul	519345	3	14.40	1055470	20.0