LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

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_G\METHODS\SOM02.2-EPA-BG121415.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	3.122	43	48	57	rBV2	44685	80720	4.61%	0.279%
2	3.199	57	61	69	rVB	28385	40828	2.33%	0.141%
3	7.241	741	749	755	rVB2	44434	79028	4.51%	0.273%
4	7.417	772	779	785	rVV	77873	124837	7.13%	0.431%
5	7.482	785	790	800	rVB	67071	111329	6.36%	0.384%
6	7.623	808	814	823	rBV	81623	136788	7.81%	0.472%
7	7.740	828	834	844	rVB2	46420	91495	5.22%	0.316%
8	8.099	889	895	905	rBV2	76979	158539	9.05%	0.547%
9	8.210	905	914	921	rVV	146040	254169	14.51%	0.878%
10	8.475	951	959	966	rVV	27939	45241	2.58%	0.156%
11	8.587	973	978	983	rBV	49558	76945	4.39%	0.266%
12	8.733	993	1003	1009	rBV	144944	250643	14.31%	0.865%
13	8.798	1009	1014	1024	rVV	75109	128971	7.36%	0.445%
14	8.904	1026	1032	1038	rVB	29514	46536	2.66%	0.161%
15	9.051	1049	1057	1062	rBV2	104369	190114	10.86%	0.656%
16	9.104	1062	1066	1071	rVV	34338	56874	3.25%	0.196%
17	9.203	1078	1083	1089	rVV	262511	443027	25.30%	1.530%
18	9.268	1089	1094	1104	rVB3	111711	302058	17.25%	1.043%
19	9.368	1104	1111	1119	rBV	98646	179455	10.25%	0.620%
20	9.538	1134	1140	1146	rBV	48877	83672	4.78%	0.289%
21	9.732	1167	1173	1177	rVV	120479	195927	11.19%	0.676%
22	9.791	1177	1183	1190	rVV	316416	546026	31.18%	1.885%
23	9.950	1204	1210	1212	rVV	48245	76826	4.39%	0.265%
24	9.991	1212	1217	1223	rVV2	126911	236175	13.49%	0.815%
25	10.102	1230	1236	1240	rVV2	33377	62565	3.57%	0.216%
26	10.155	1240	1245	1254	rVB	147847	250693	14.32%	0.866%
27	10.332	1264	1275	1283	rBV3	521425	1518888	86.74%	5.244%
28	10.414	1283	1289	1293	rBV	441846	827224	47.24%	2.856%
29	10.531	1303	1309	1317	rVB2	149791	307531	17.56%	1.062%
30	10.614	1317	1323	1330	rVB4	46858	94243	5.38%	0.325%
31	10.913	1362	1374	1378	rVV2	103477	293297	16.75%	1.013%
32	10.966	1378	1383	1389	rVB	154633	279218	15.94%	0.964%
33	11.031	1389	1394	1398	rBV3	25526	50517	2.88%	0.174%
34	11.119	1407	1409	1415	rVB	31532	43769	2.50%	0.151%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

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_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

35	11.283	1432	1437	1440	rBV3	26028	43459	2.48%	0.150%
36	11.383	1449	1454	1459	rVB2	26684	44984	2.57%	0.155%
37	11.683	1497	1505	1509	rBV	38123	64382	3.68%	0.222%
38	11.736	1509	1514	1515	rBV	51606	69102	3.95%	0.239%
39	11.847	1524	1533	1539	rVB4	48109	119906	6.85%	0.414%
40	11.953	1546	1551	1554	rBV2	107520	161915	9.25%	0.559%
41	12.006	1554	1560	1565	rVB3	119186	283548	16.19%	0.979%
42	12.053	1565	1568	1571	rBV	44391	56834	3.25%	0.196%
43	12.100	1571	1576	1587	rVB	205915	416173	23.77%	1.437%
44	12.200	1587	1593	1595	rBV	40640	65012	3.71%	0.224%
45	12.294	1604	1609	1618	rVB4	65130	121819	6.96%	0.421%
46	12.411	1618	1629	1633	rBV	94508	183502	10.48%	0.634%
47	12.458	1633	1637	1645	rVB	153108	289496	16.53%	1.000%
48	12.564	1650	1655	1661	rVB2	71873	114595	6.54%	0.396%
49	12.682	1669	1675	1680	rVB	31330	52218	2.98%	0.180%
50	12.782	1680	1692	1701	rVB2	679589	1301635	74.33%	4.494%
51	13.451	1799	1806	1812	rVB4	21528	39269	2.24%	0.136%
52	13.563	1818	1825	1837	rVB	454558	720144	41.12%	2.486%
53	13.786	1858	1863	1870	rVB	120874	220134	12.57%	0.760%
54	13.904	1870	1883	1890	rBV3	414355	1112511	63.53%	3.841%
55	13.968	1890	1894	1900	rVB2	43057	62701	3.58%	0.216%
56	14.051	1900	1908	1915	rBV	840195	1557265	88.93%	5.377%
57	14.127	1915	1921	1926	rVB	350299	539299	30.80%	1.862%
58	14.286	1938	1948	1952	rBV	412796	695285	39.70%	2.401%
59	14.456	1965	1977	1988	rVB2	770853	1751165	100.00%	6.046%
60	14.697	2011	2018	2019	rBV2	58853	92308	5.27%	0.319%
61	14.726	2019	2023	2029	rVV2	205463	330313	18.86%	1.140%
62	14.791	2029	2034	2041	rVB	525249	865975	49.45%	2.990%
63	14.926	2050	2057	2066	rVB3	51361	154836	8.84%	0.535%
64	15.014	2066	2072	2074	rBV3	23994	41732	2.38%	0.144%
65	15.120	2079	2090	2096	rVB2	158461	289794	16.55%	1.001%
66	15.191	2096	2102	2110	rVB	71123	115705	6.61%	0.399%
67	15.337	2118	2127	2132	rBV5	82079	214132	12.23%	0.739%
68	15.390	2132	2136	2140	rVB	43599	55456	3.17%	0.191%
69	15.508	2148	2156	2160	rBV2	52763	118697	6.78%	0.410%
70	15.596	2166	2171	2176	rVB	133786	197300	11.27%	0.681%
71	15.719	2186	2192	2196	rVV	614135	895286	51.13%	3.091%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

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_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

72	15.772	2196	2201	2207	rVV2	400557	717375	40.97%	2.477%
73	15.825	2207	2210	2214	rVB	145864	191725	10.95%	0.662%
74	15.896	2219	2222	2225	rBV2	29616	37110	2.12%	0.128%
75	15.978	2231	2236	2242	rBV3	56370	109053	6.23%	0.377%
76	16.183	2265	2271	2284	rVB	163062	297312	16.98%	1.027%
77	16.442	2310	2315	2322	rVB2	69609	108670	6.21%	0.375%
78	16.753	2363	2368	2369	rBV2	47239	60698	3.47%	0.210%
79	16.818	2375	2379	2386	rBV	50364	79127	4.52%	0.273%
80	16.918	2391	2396	2402	rBV	46735	70391	4.02%	0.243%
81	17.129	2428	2432	2440	rVB2	27559	45975	2.63%	0.159%
82	17.288	2451	2459	2467	rBV2	85828	151929	8.68%	0.525%
83	17.470	2484	2490	2493	rBV	301115	460698	26.31%	1.591%
84	17.511	2493	2497	2502	rVB	709367	1040892	59.44%	3.594%
85	17.570	2502	2507	2511	rBV	486888	752982	43.00%	2.600%
86	17.670	2518	2524	2528	rVB3	36650	61440	3.51%	0.212%
87	17.870	2547	2558	2562	rBV2	35371	66769	3.81%	0.231%
88	18.093	2592	2596	2605	rVB	58531	96402	5.51%	0.333%
89	18.340	2633	2638	2642	rBV	87577	127190	7.26%	0.439%
90	18.387	2642	2646	2655	rVB2	107618	166841	9.53%	0.576%
91	18.469	2655	2660	2665	rBV4	27658	47179	2.69%	0.163%
92	18.540	2665	2672	2675	rBV2	89999	186037	10.62%	0.642%
93	18.681	2692	2696	2704	rVV2	26090	44270	2.53%	0.153%
94	18.780	2708	2713	2719	rVB2	25546	53003	3.03%	0.183%
95	19.245	2783	2792	2797	rBV5	25348	64368	3.68%	0.222%
96	19.515	2833	2838	2843	rVB	53886	76106	4.35%	0.263%
97	19.850	2889	2895	2906	rBV	643034	972469	55.53%	3.358%
98	21.742	3210	3217	3223	rBV	314714	528519	30.18%	1.825%
99	24.785	3724	3735	3745	rBV	266603	744758	42.53%	2.571%
100	25.014	3763	3774	3783	rBV3	169733	482282	27.54%	1.665%

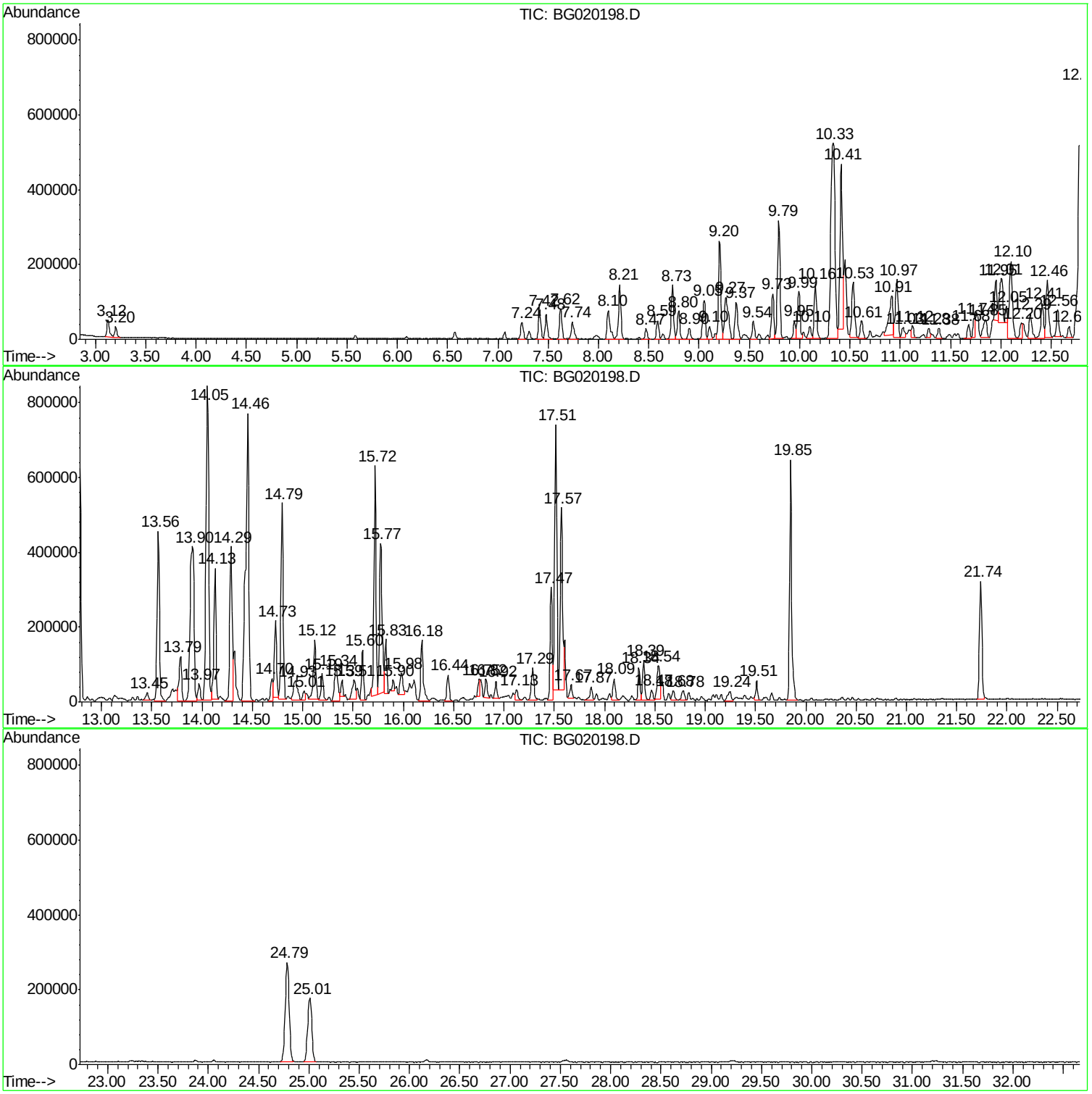
Sum of corrected areas: 28963625

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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 G\DATA\BG121615\
Data File : BG020198.D
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Sample : G4786-10
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Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

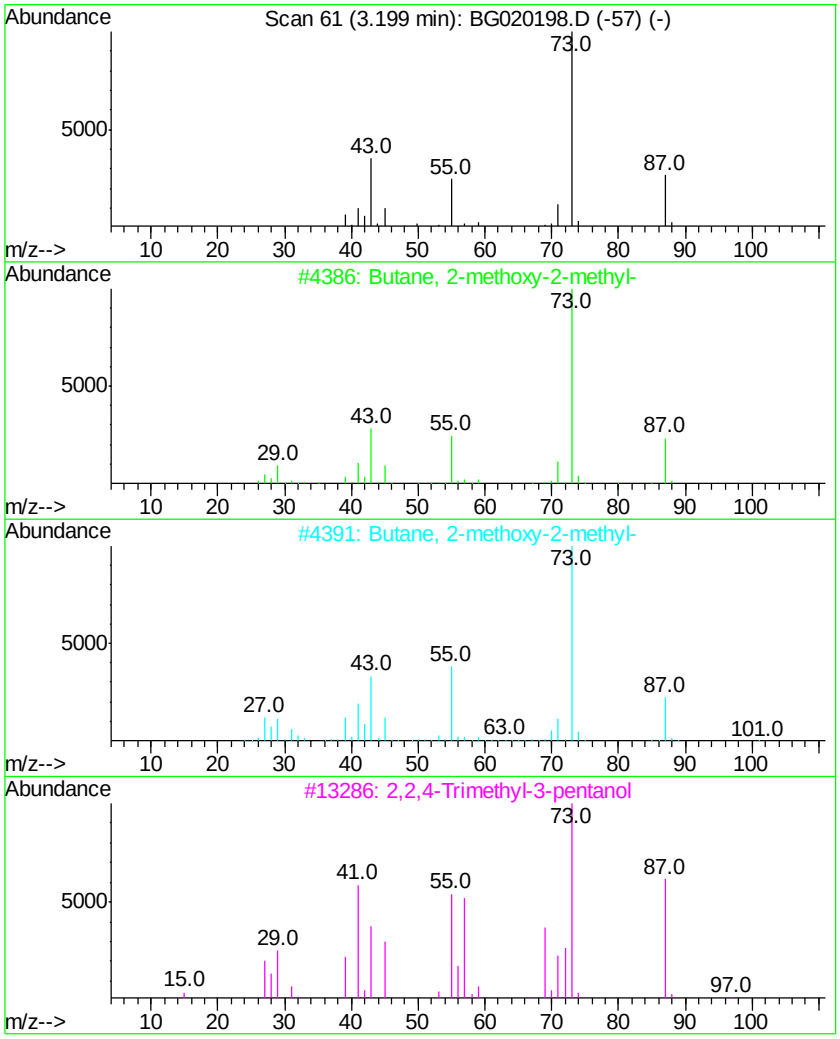
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

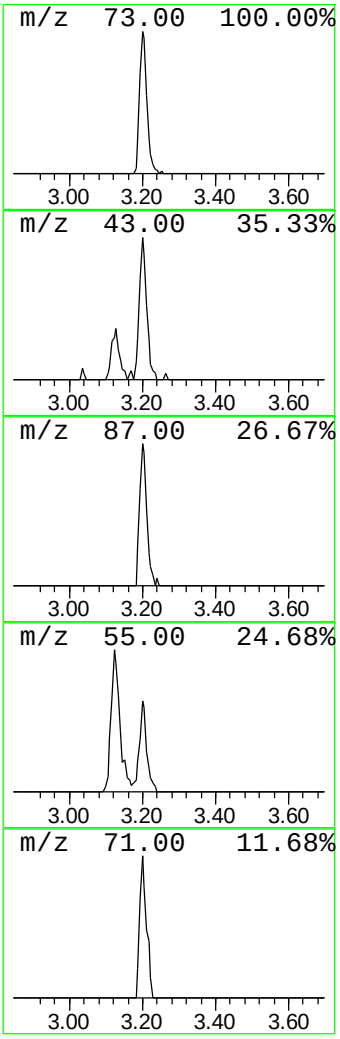
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.15 ng/ul	40828	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

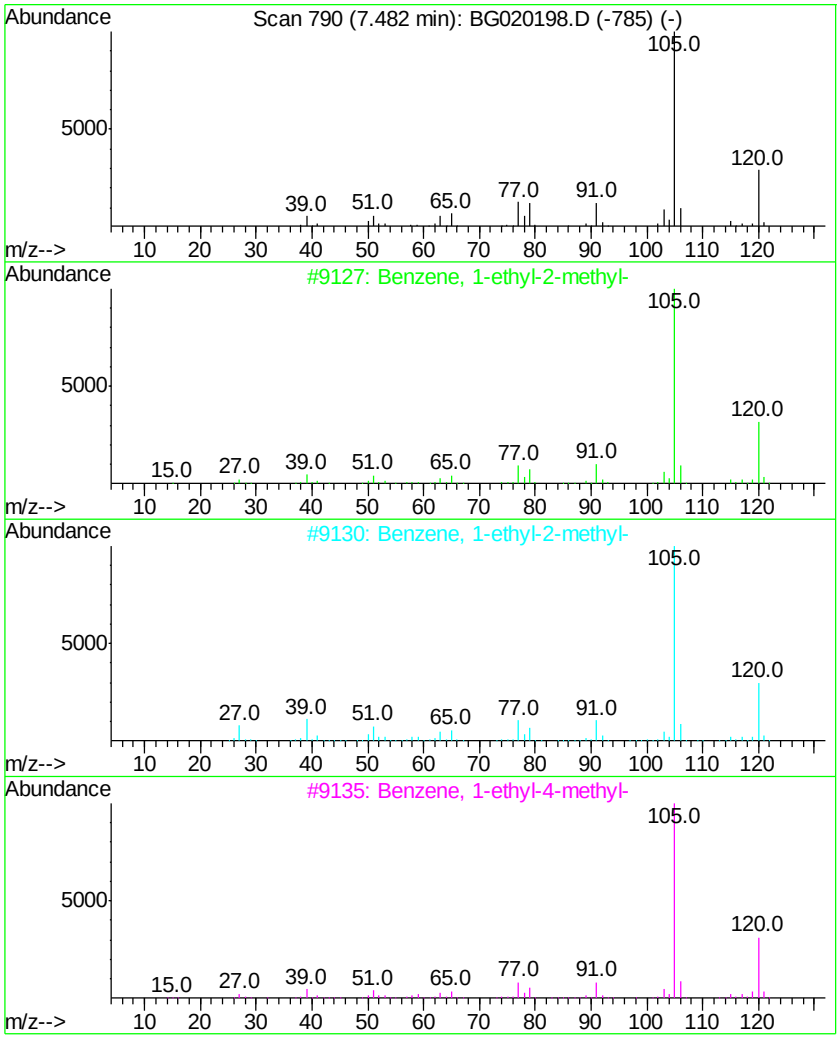
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

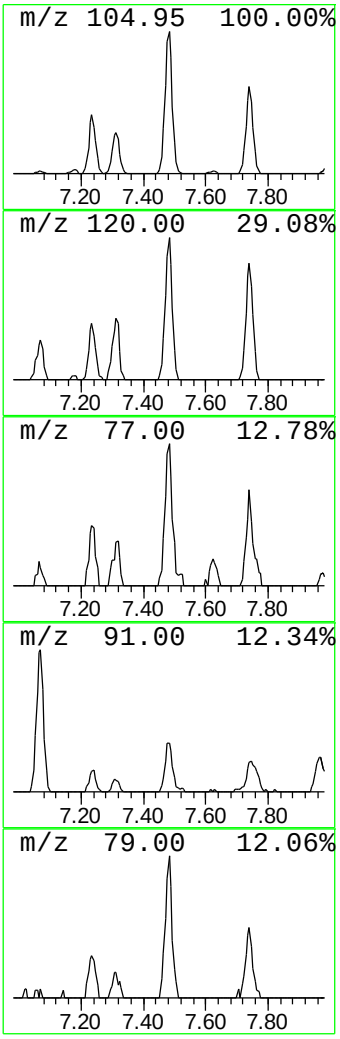
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	14.04 ng/ul	111329	1,4-Dichlorobenzene-d4	8.10

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	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

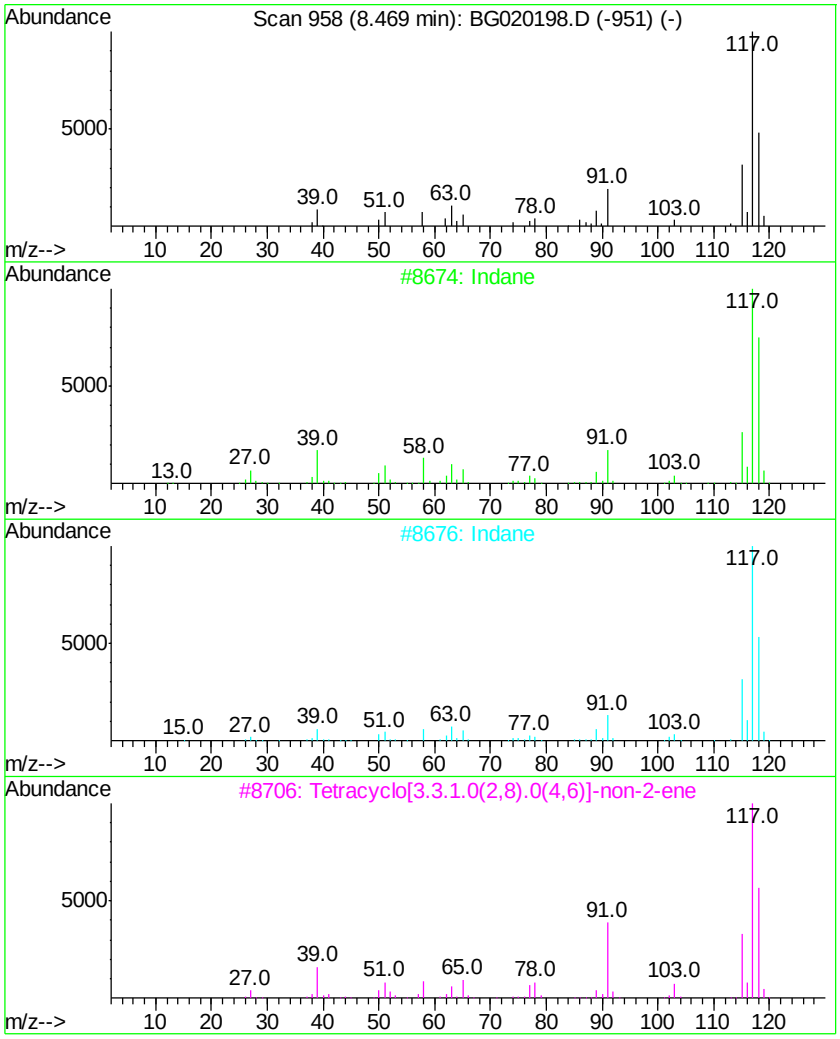
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

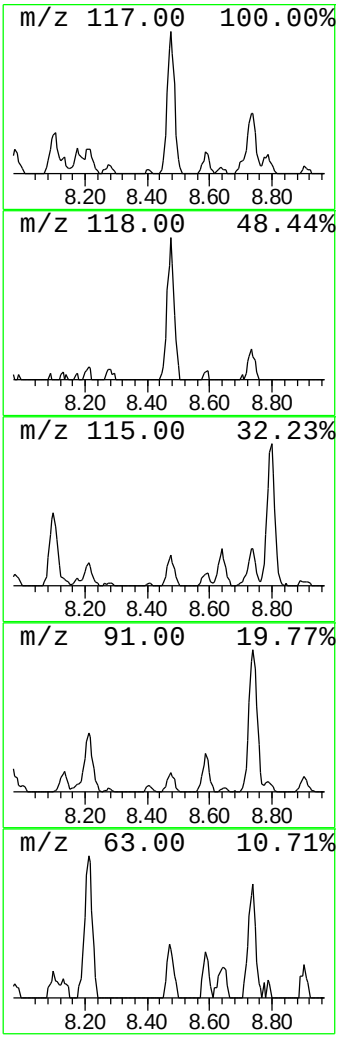
****

Peak Number 6 Indane Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	5.71 ng/ul	45241	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	81
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

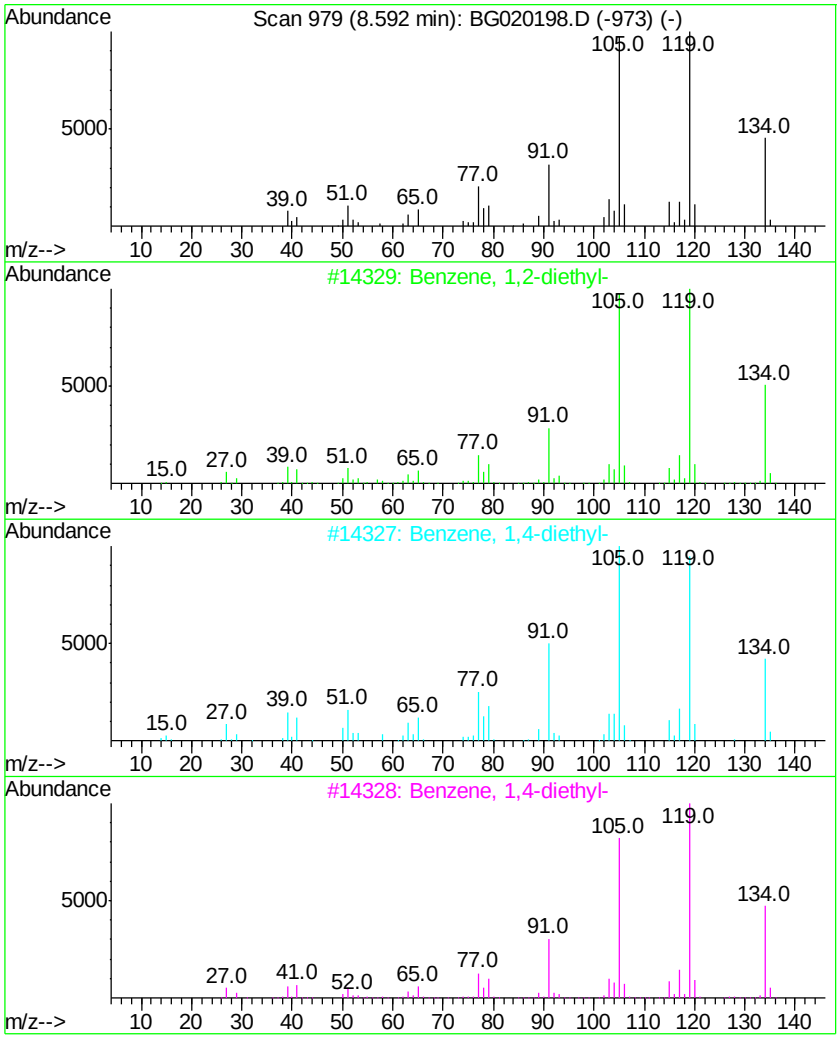
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

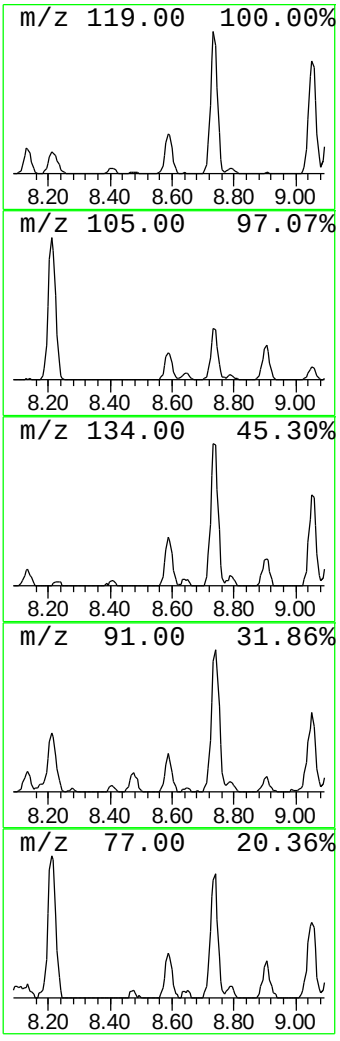
****

Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	9.71 ng/ul	76945	1,4-Dichlorobenzene-d4	8.10

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

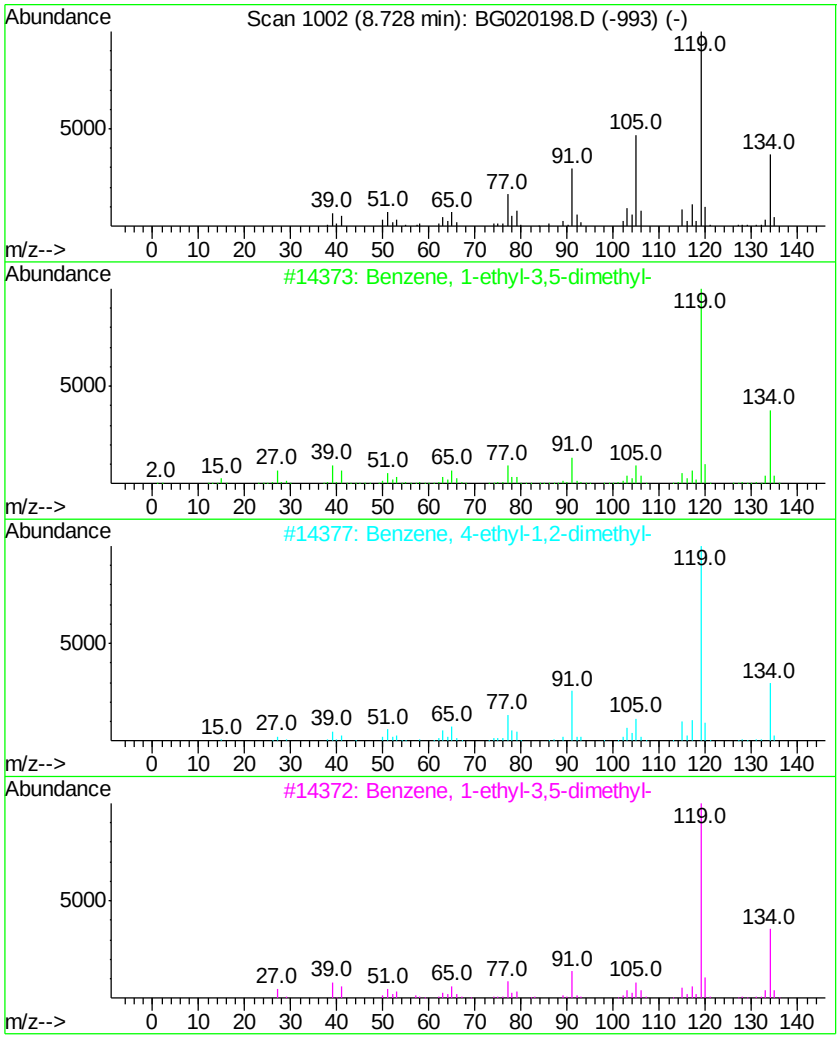
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

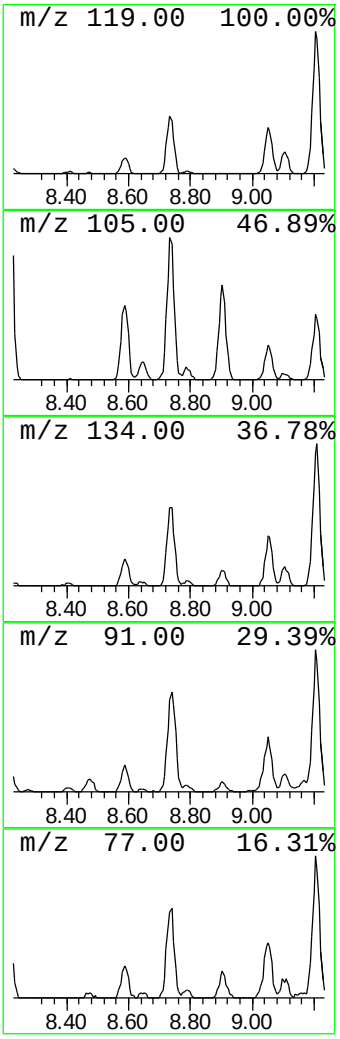
****

Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	31.62 ng/ul	250643	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Library Search Compound Report

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Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

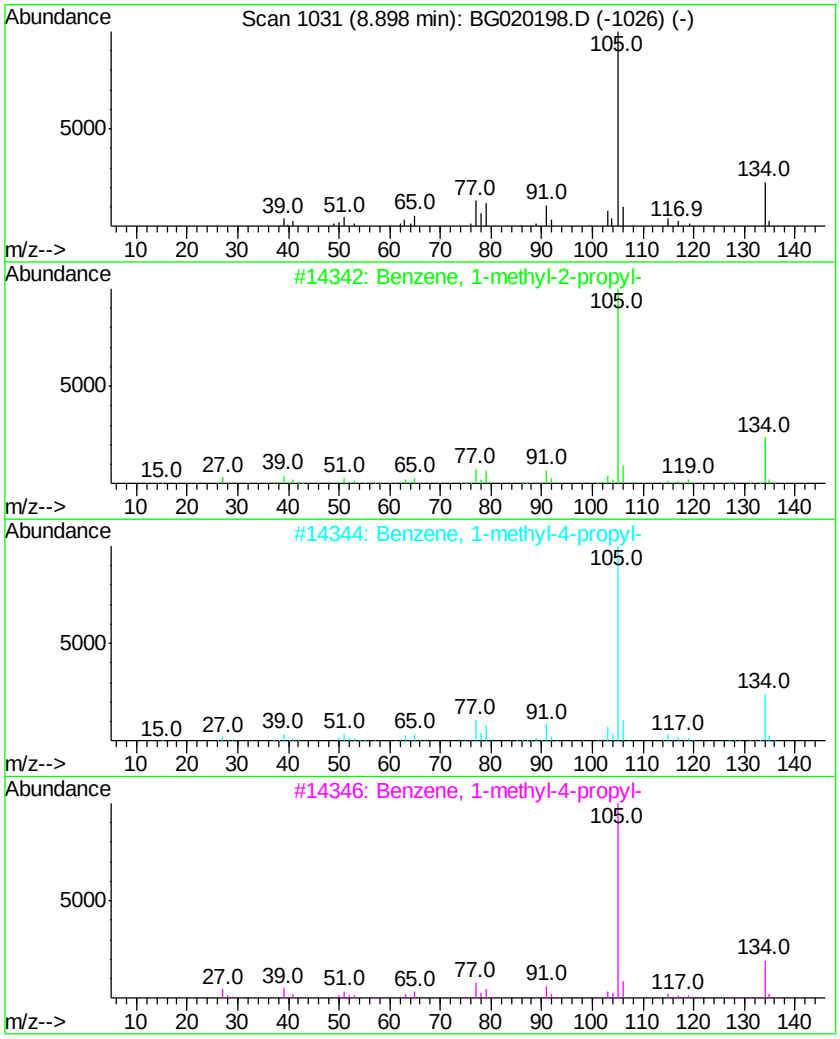
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

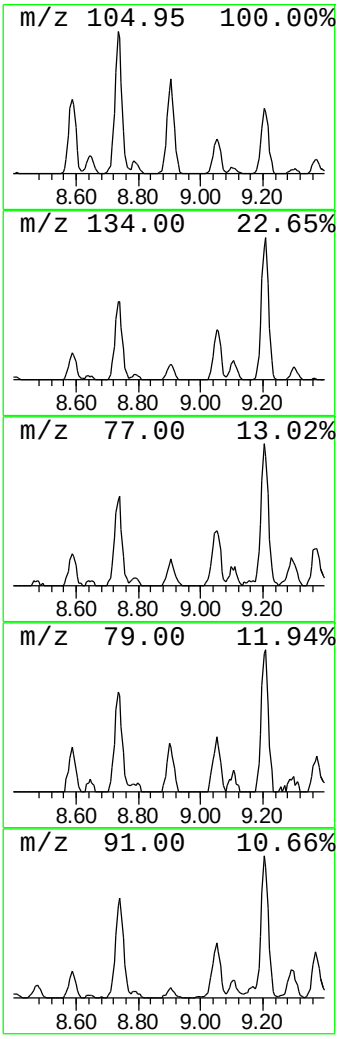
****

Peak Number 9 Benzene, 1-methyl-2-propyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	5.87 ng/ul	46536	1,4-Dichlorobenzene-d4	8.10

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





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Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

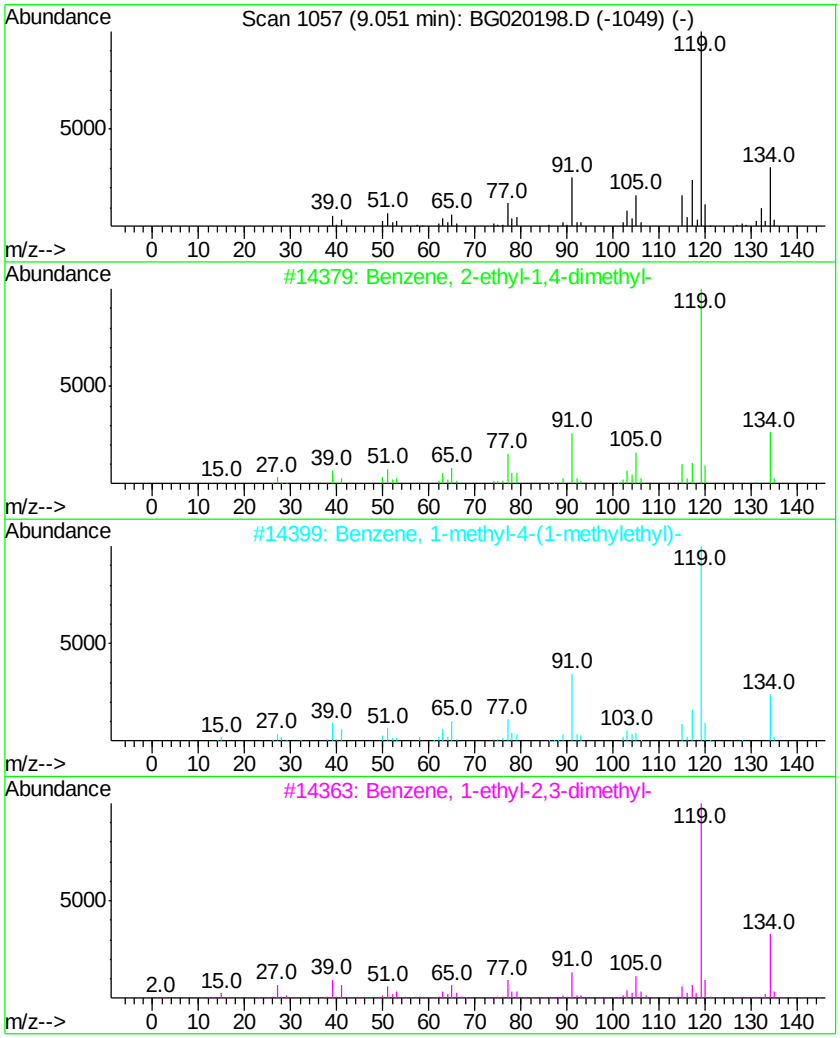
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

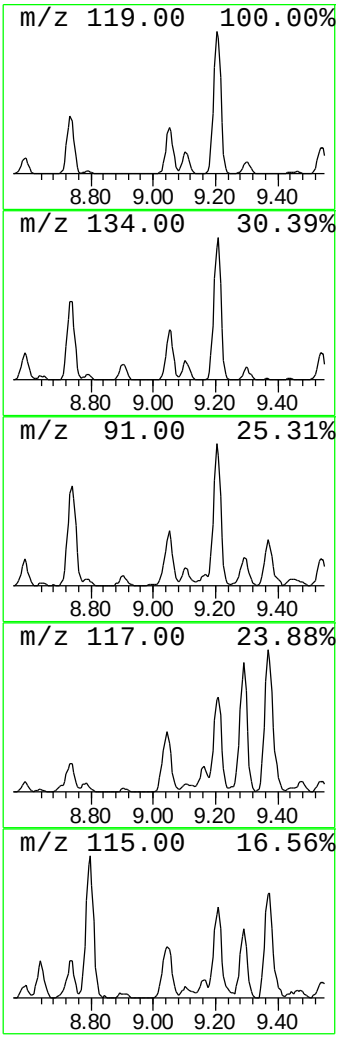
****

Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	23.98 ng/ul	190114	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	83
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	81
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	81





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Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

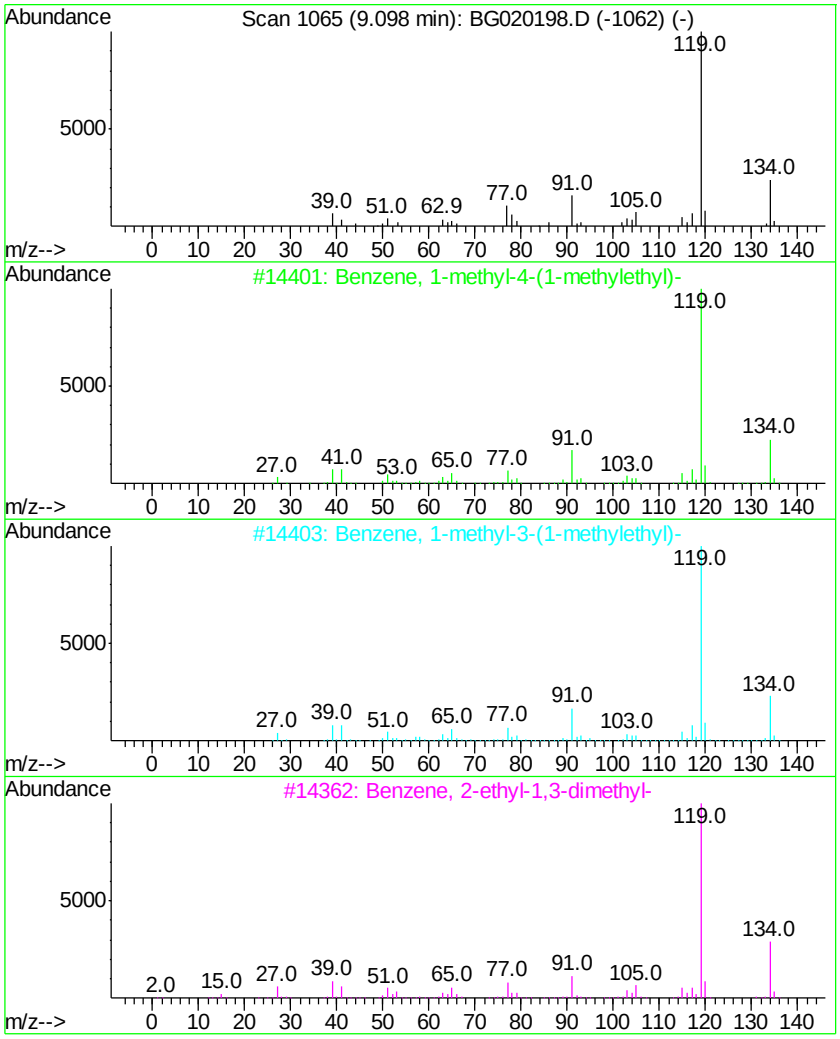
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

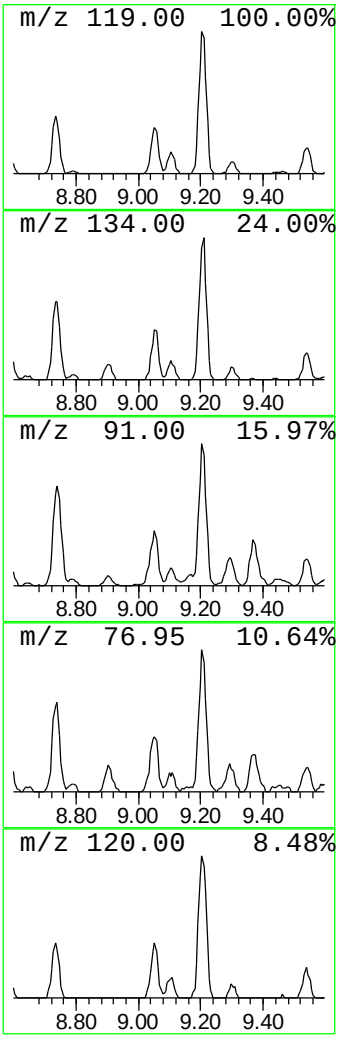
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-methyl-4-(1-meth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	7.17 ng/ul	56874	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylethyl)-	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 1-methyl-2-(1-methylethyl)-	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

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Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

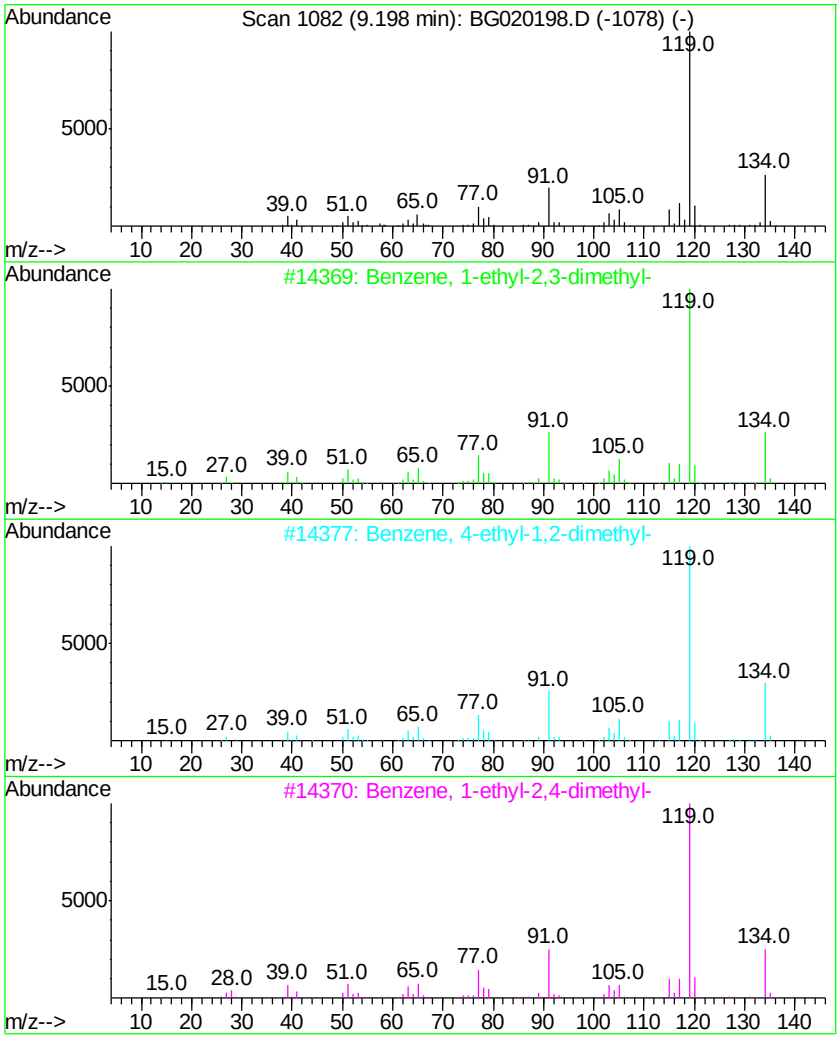
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

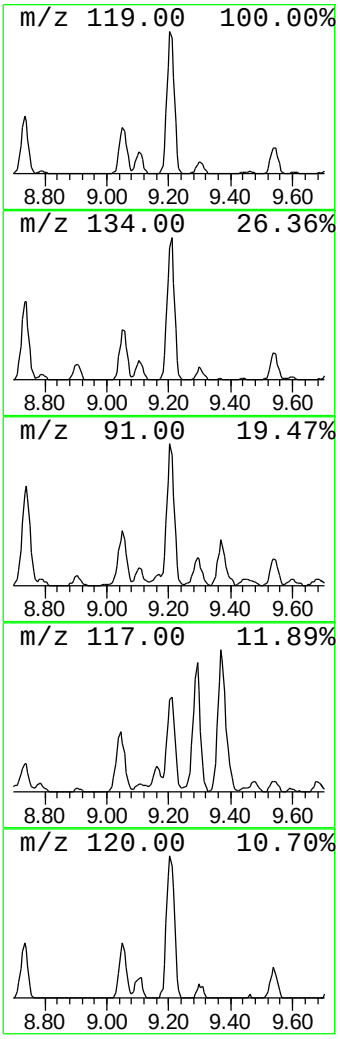
****

Peak Number 12 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	55.89 ng/ul	443027	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

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Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

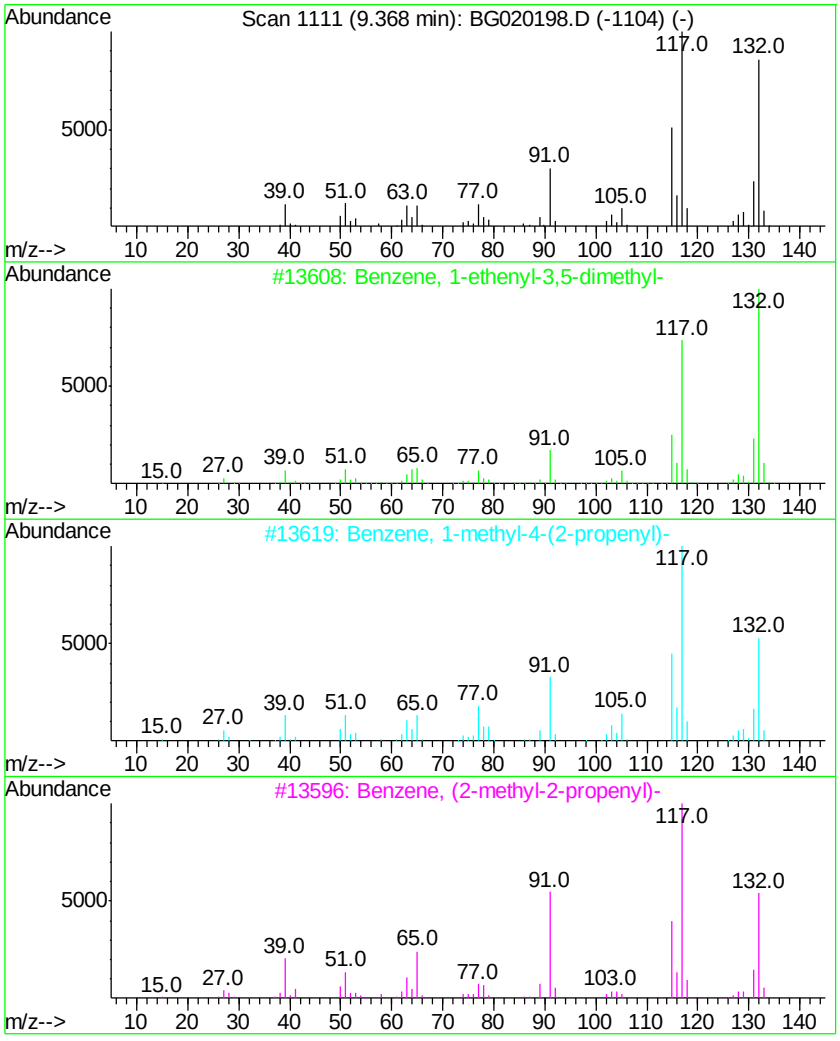
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

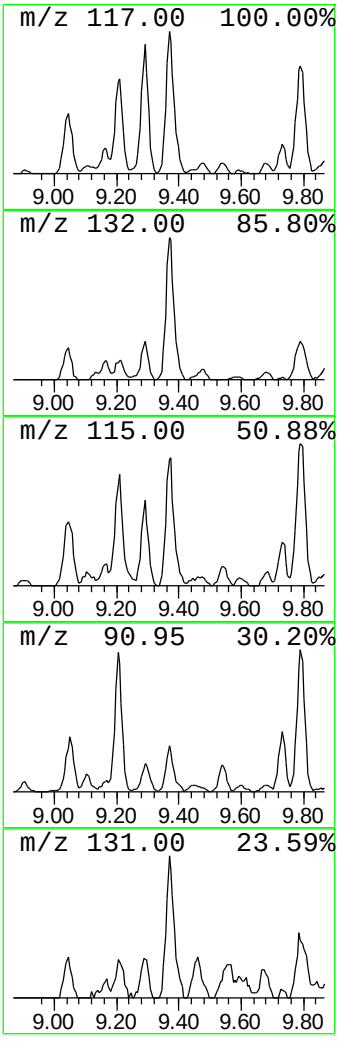
****

Peak Number 13 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	22.64 ng/ul	179455	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	97
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	96
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95





Library Search Compound Report

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Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

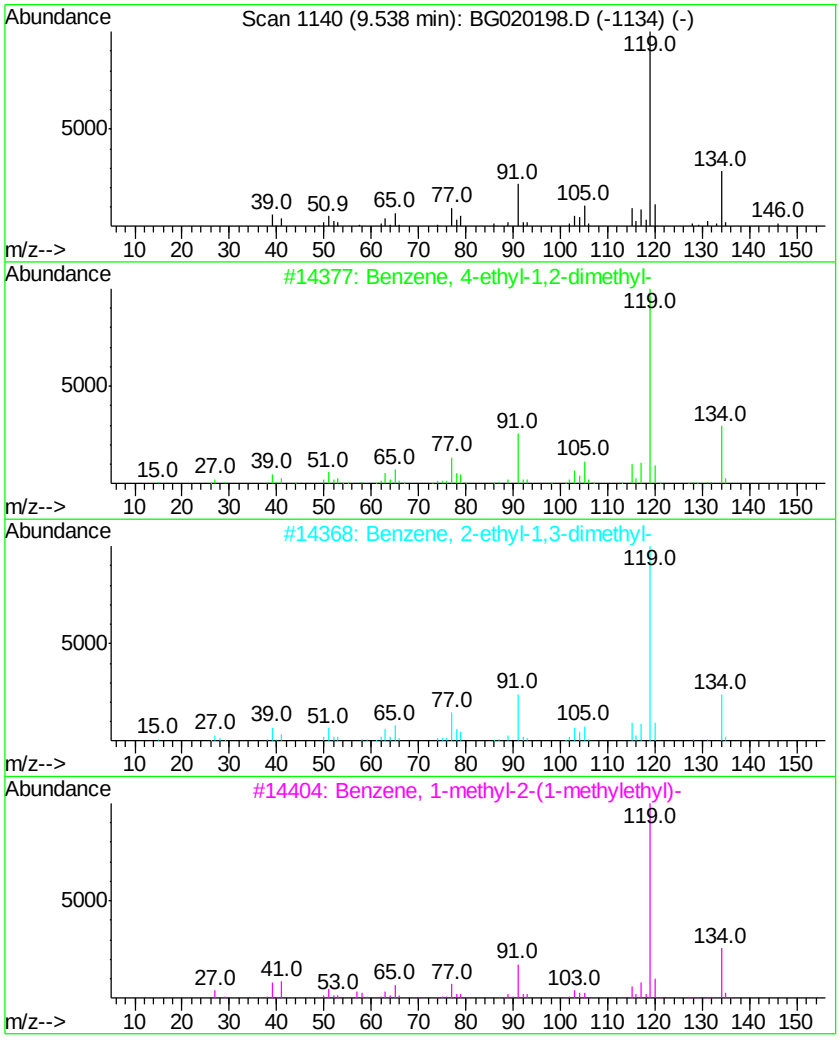
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

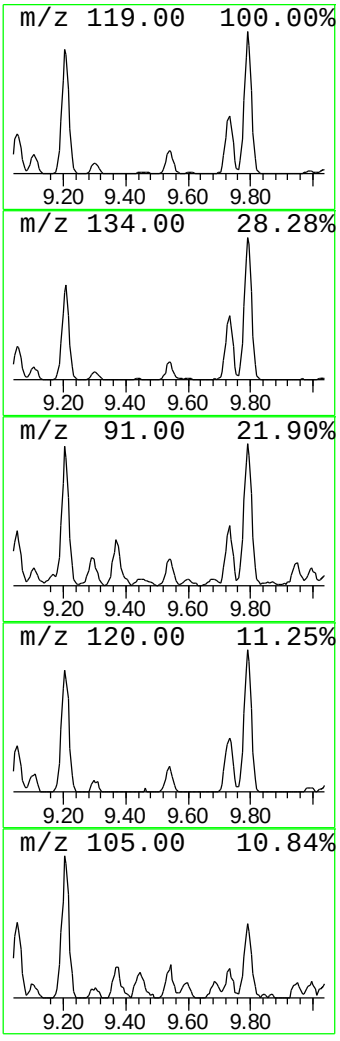
****

Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	5.71 ng/ul	83672	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95





Library Search Compound Report

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Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

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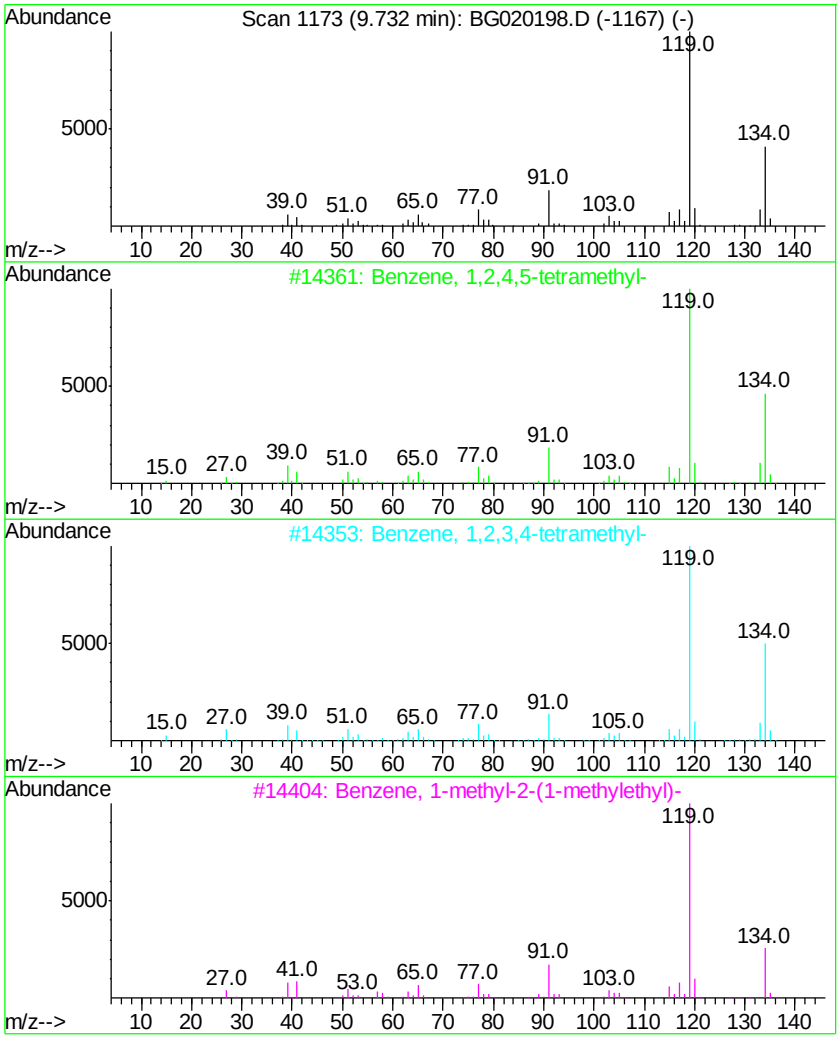
Quant Title : SVOA CALIBRATION

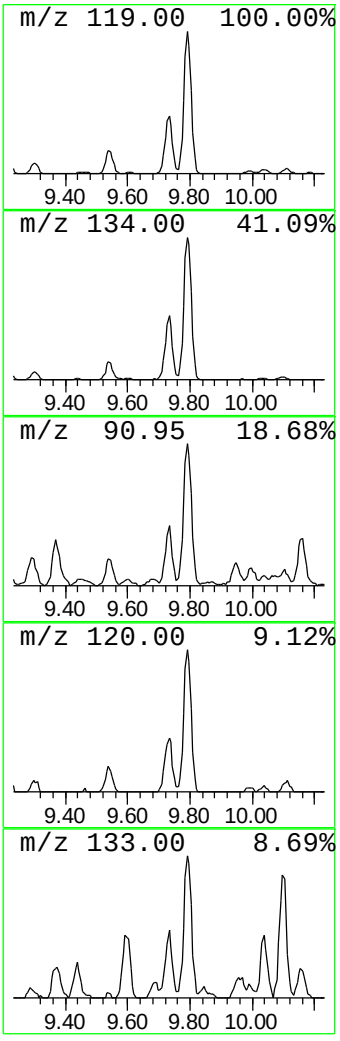
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	13.36 ng/ul	195927	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Library Search Compound Report

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Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

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Quant Title : SVOA CALIBRATION

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

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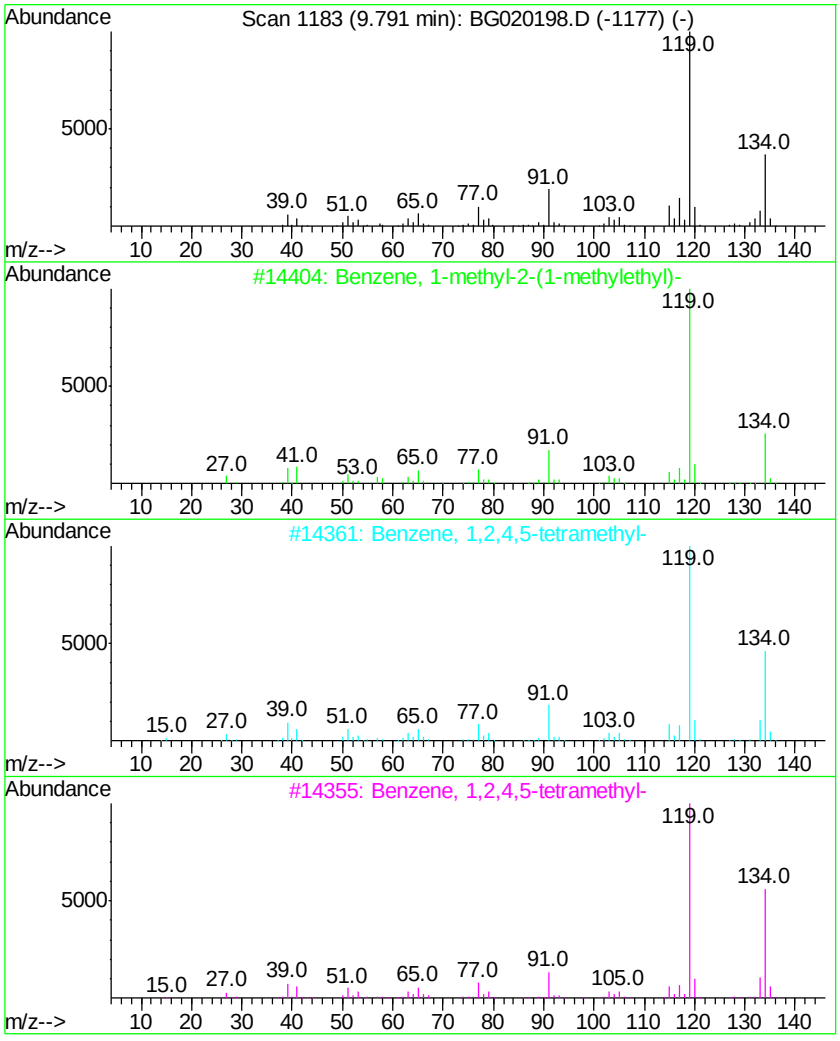
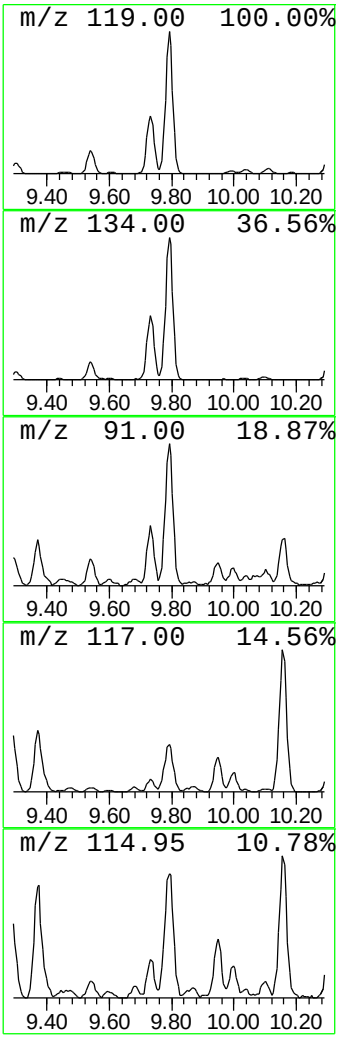
Peak Number 16 Benzene, 1-methyl-2-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	37.23 ng/ul	546026	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93





Library Search Compound Report

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Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

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Quant Title : SVOA CALIBRATION

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

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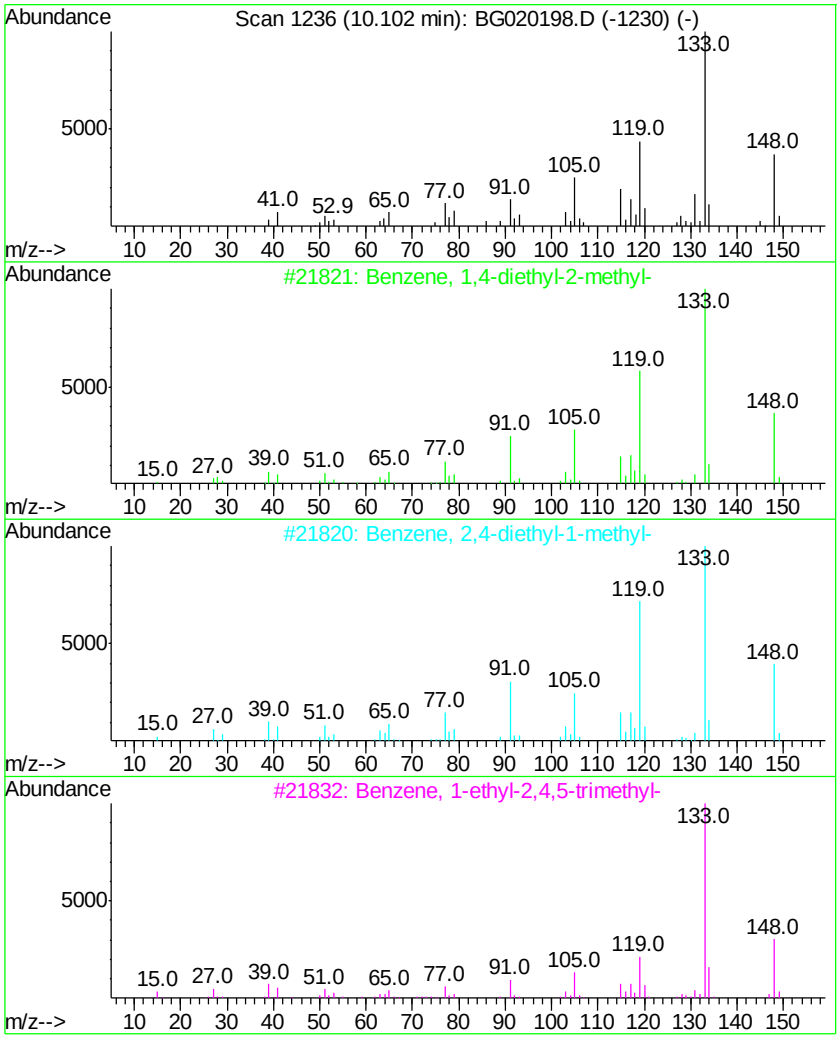
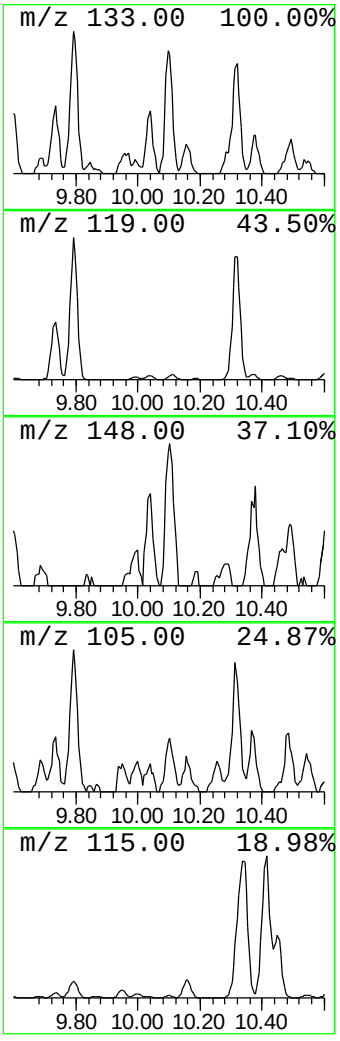
Peak Number 17 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	4.27 ng/ul	62565	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	93
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	90
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	76
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	70





Library Search Compound Report

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Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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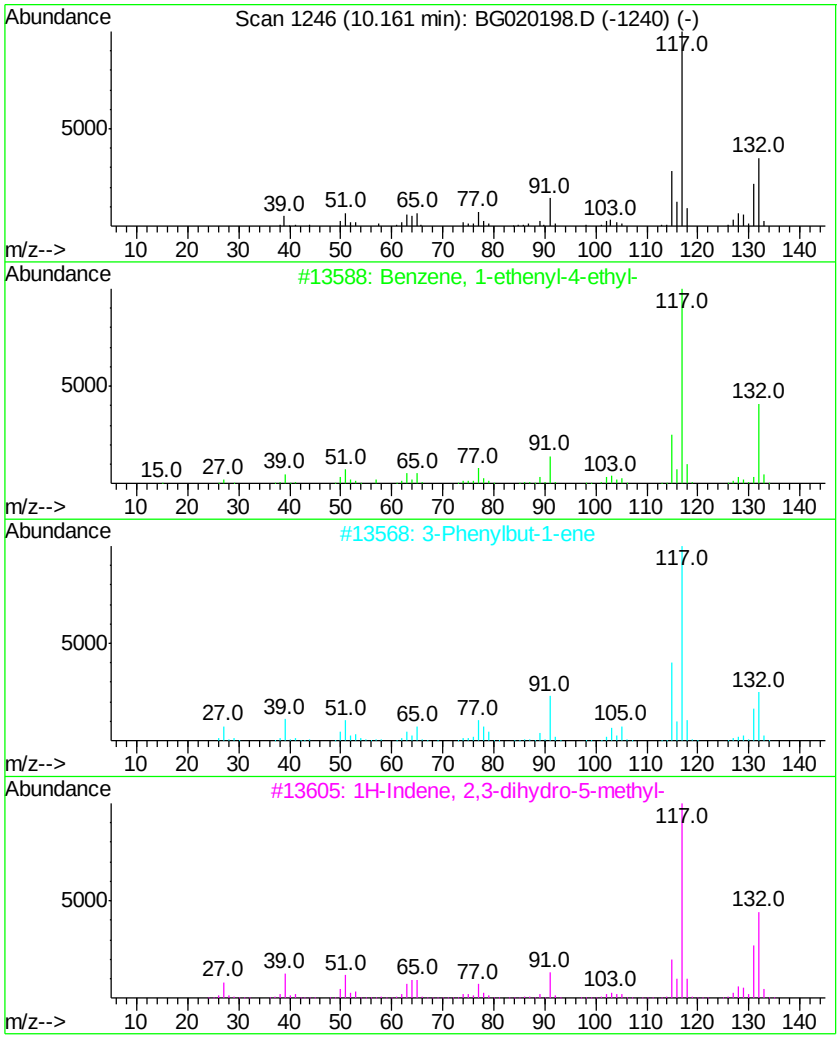
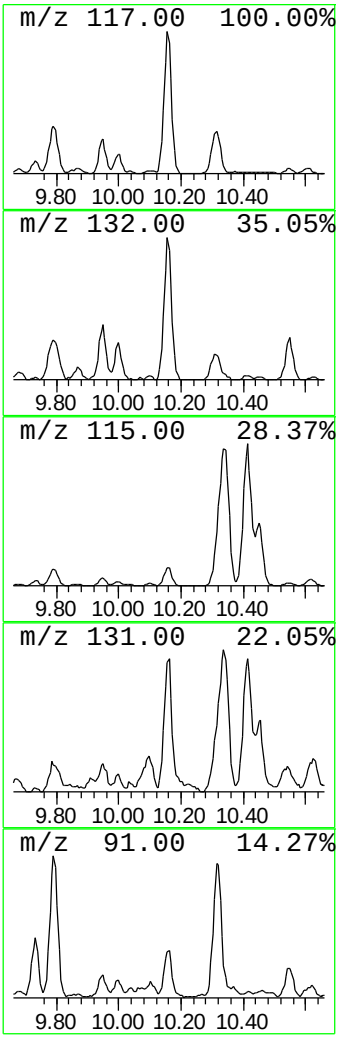
Peak Number 18 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	17.09 ng/ul	250693	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	83





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ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

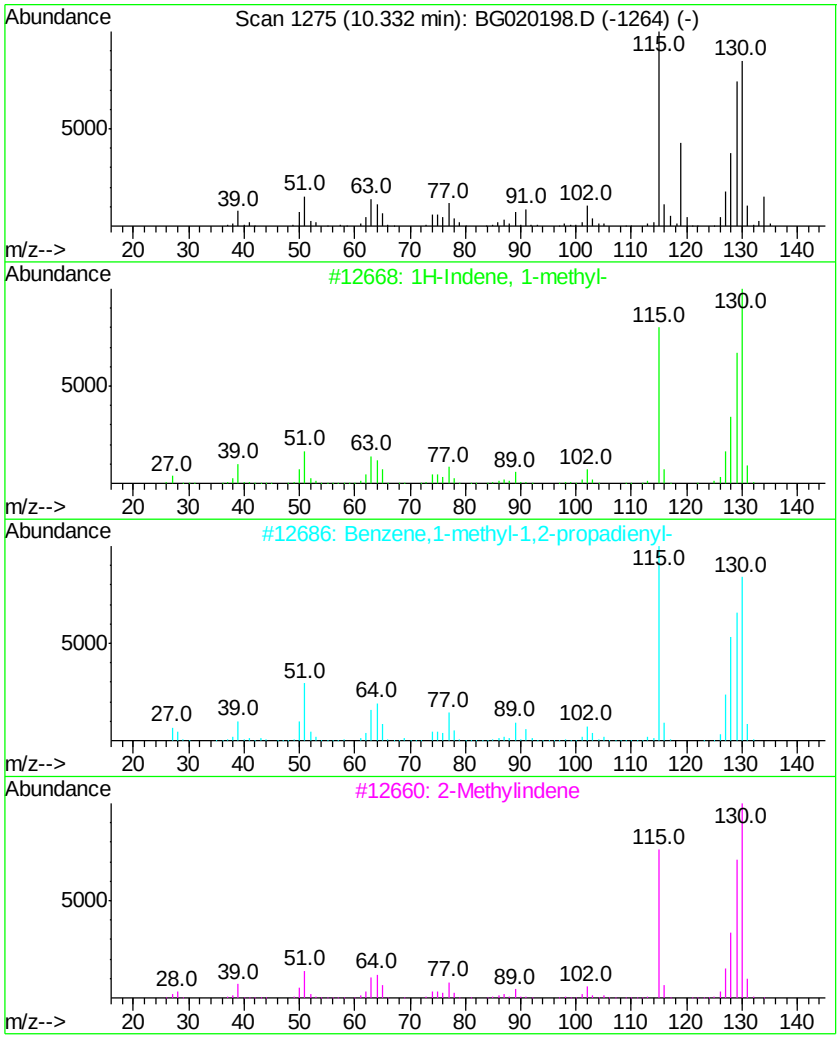
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

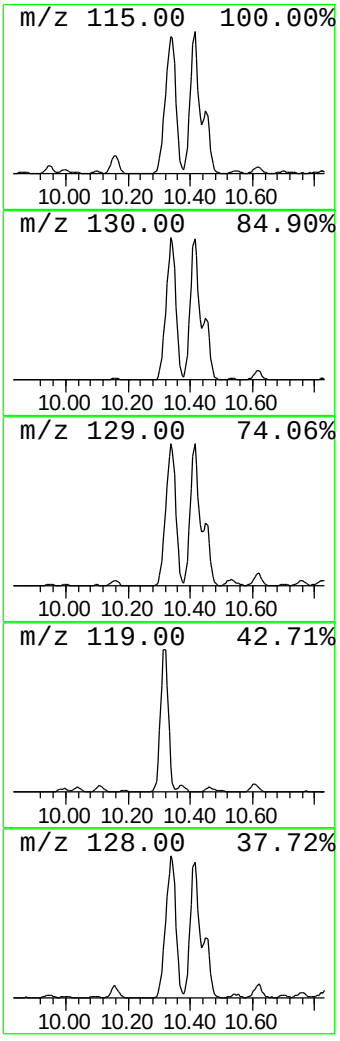
****

Peak Number 19 1H-Indene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	103.57 ng/ul	1518890	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
3	2-Methylindene	130	C10H10	002177-47-1	93
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	92
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

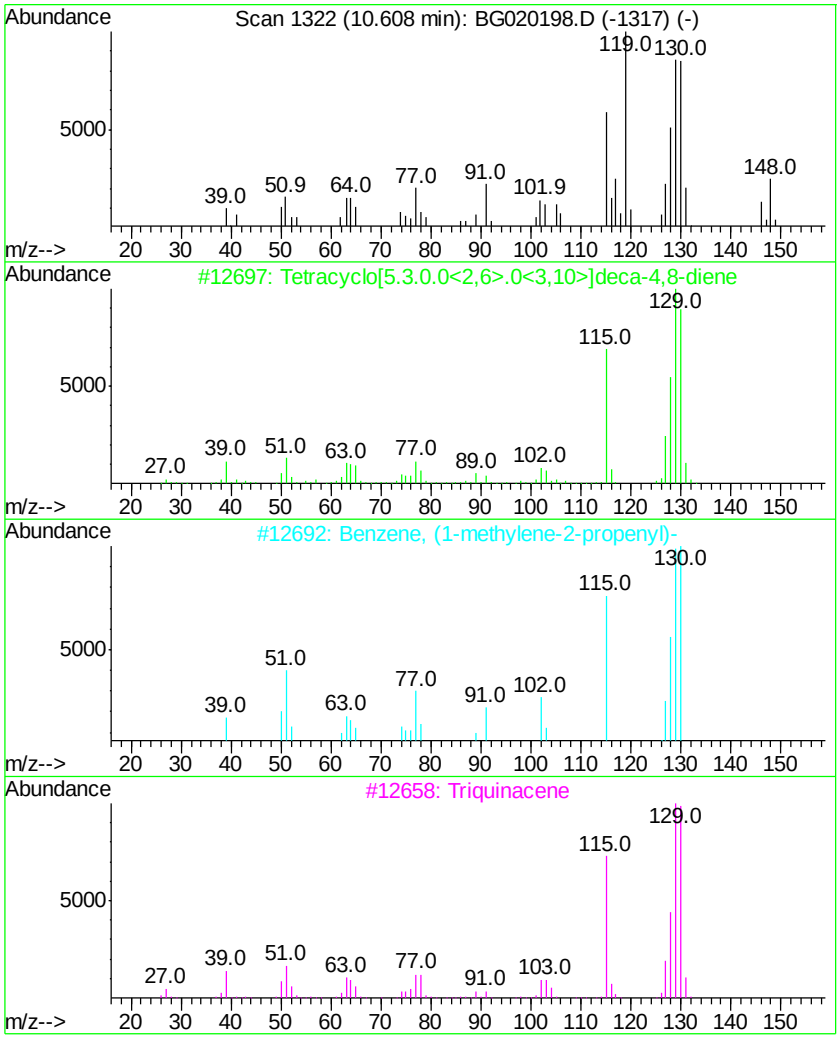
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

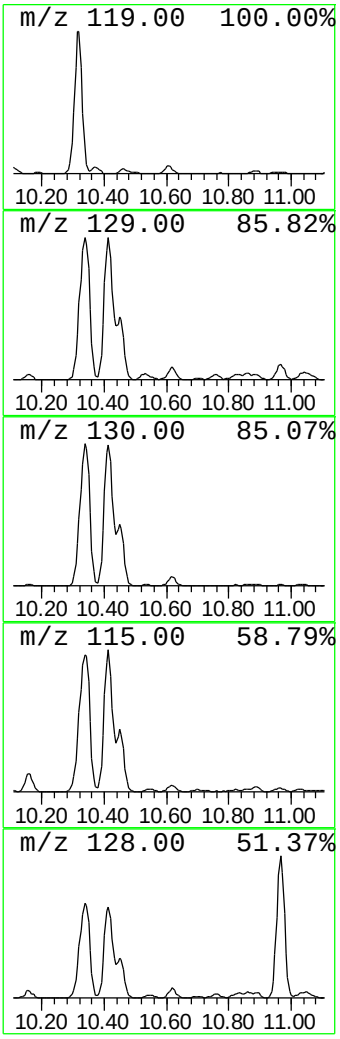
****

Peak Number 21 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	6.43 ng/ul	94243	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	91
2	Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	70
3	Triquinacene	130	C10H10	006053-74-3	60
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	60
5	Triquinacene	130	C10H10	006053-74-3	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

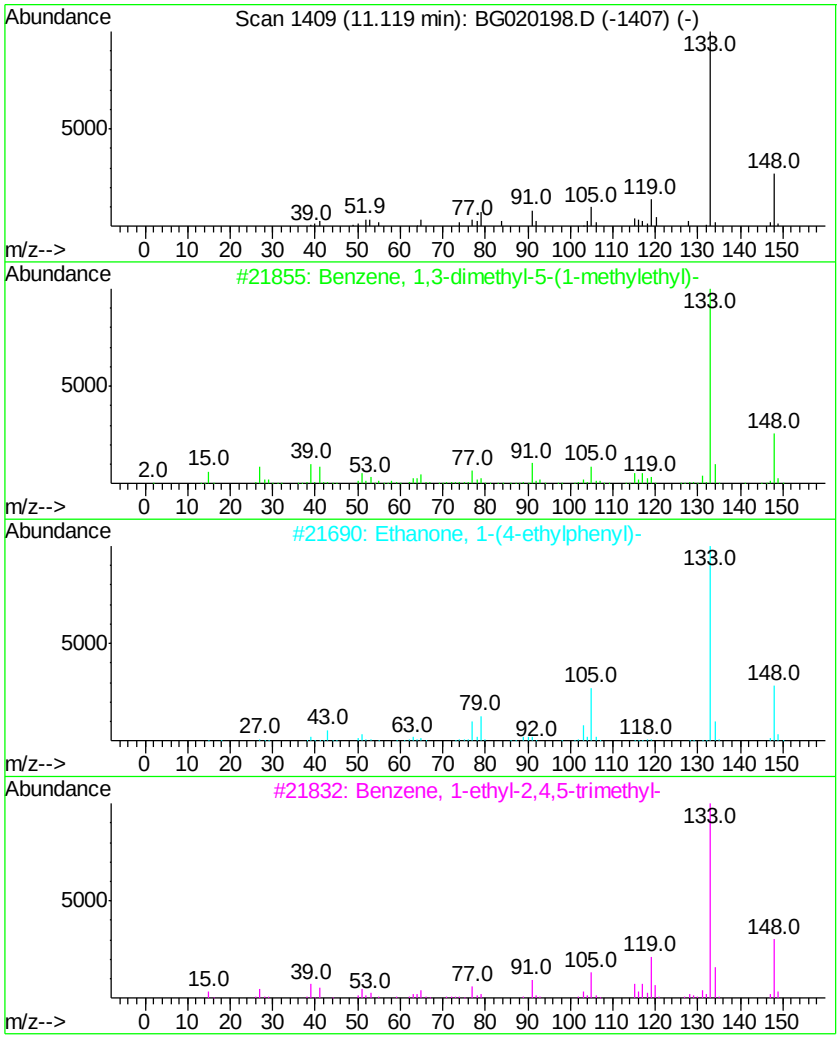
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

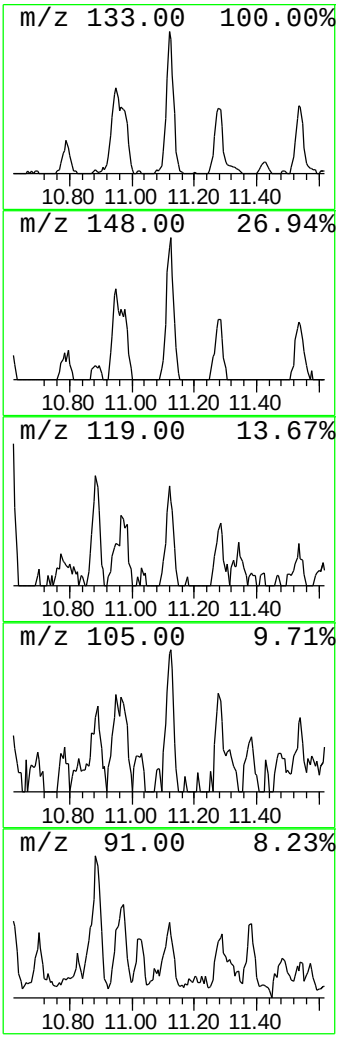
****

Peak Number 22 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	2.98 ng/ul	43769	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	59
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	52
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	50
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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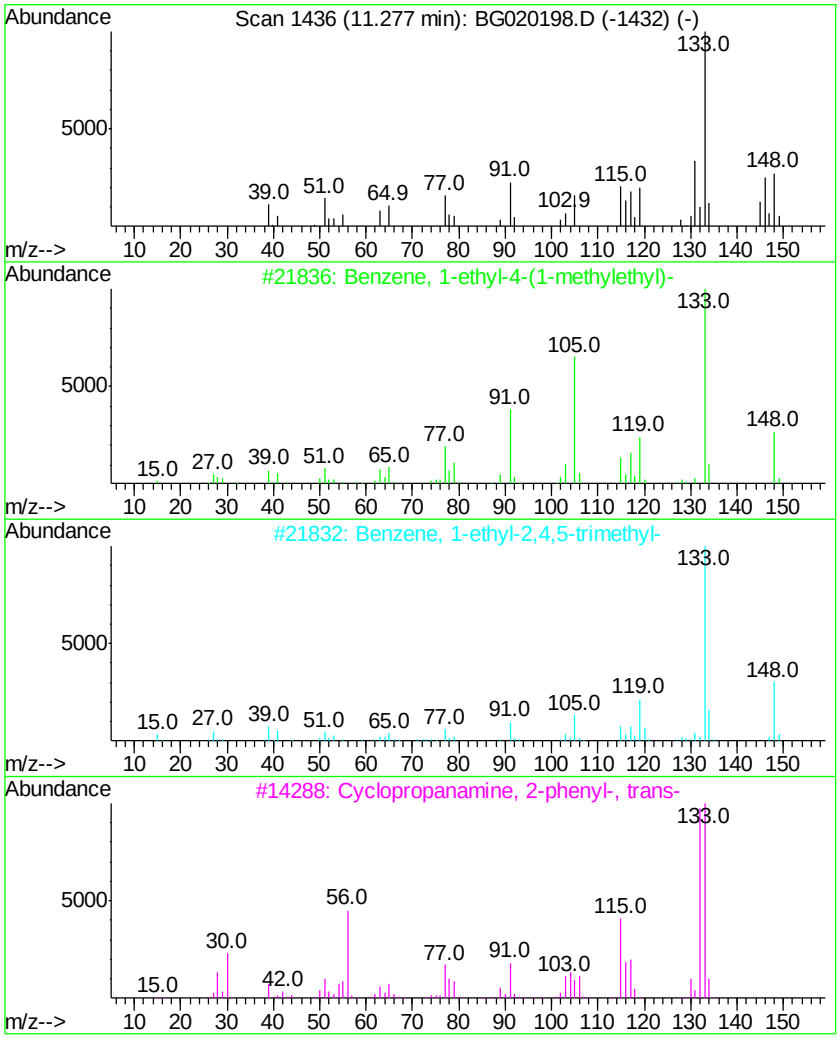
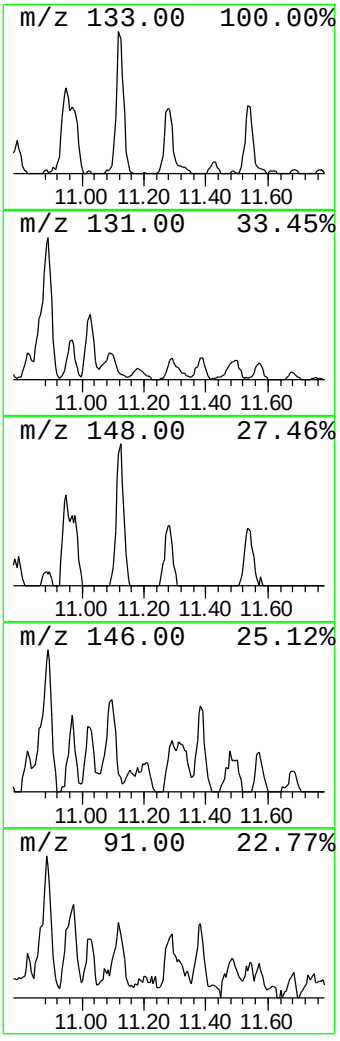
Peak Number 23 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.96 ng/ul	43459	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	60
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49
3	Cyclopropanamine, 2-phenyl-, trans-	133	C9H11N	000095-62-5	45
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	43
5	m-Ethylacetophenone	148	C10H12O	022699-70-3	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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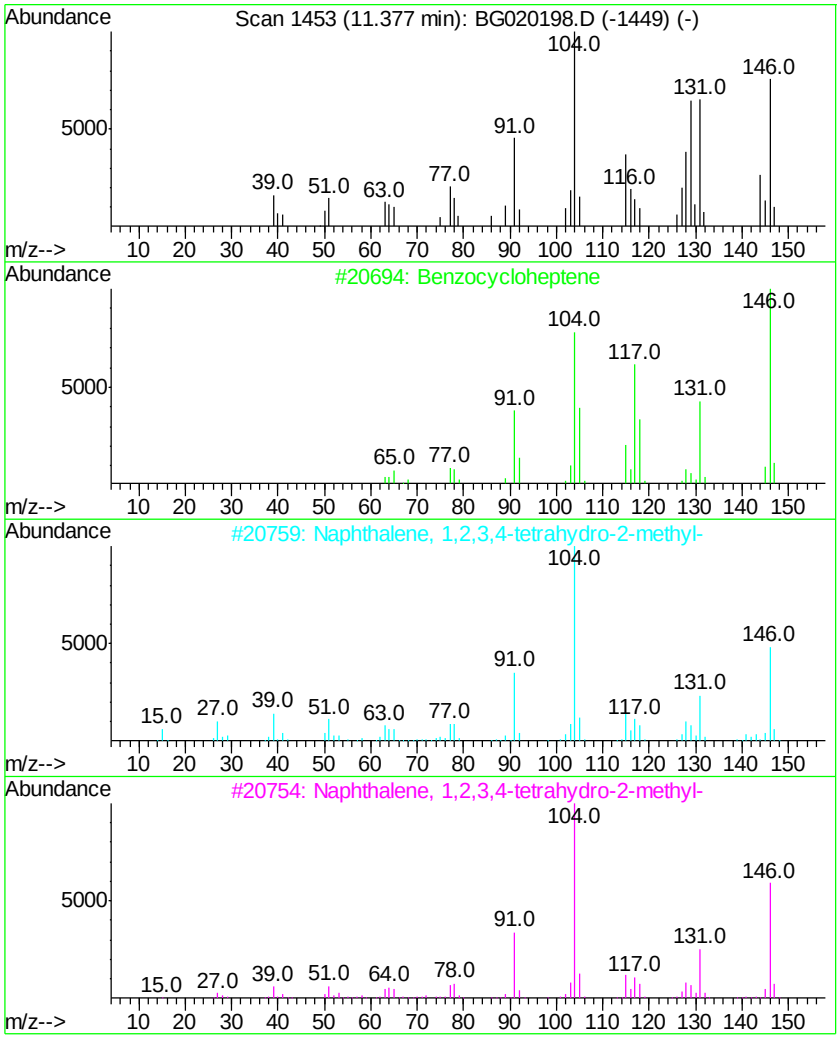
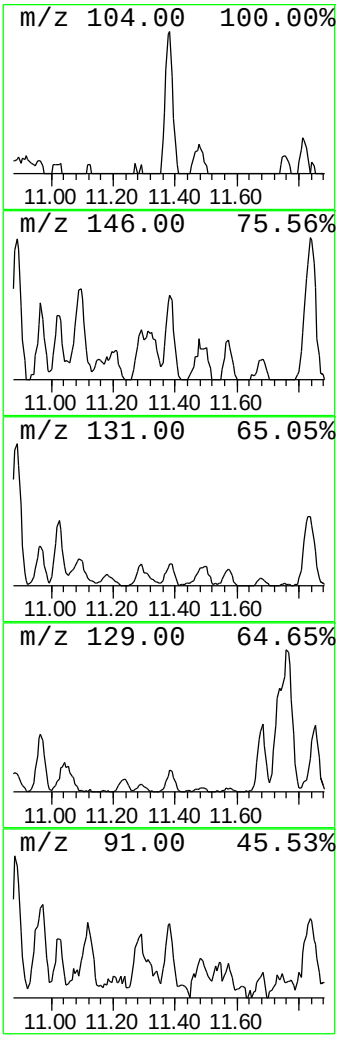
Peak Number 24 Benzocycloheptene Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	3.07 ng/ul	44984	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptene	146	C11H14	001075-16-7	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	58
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	46
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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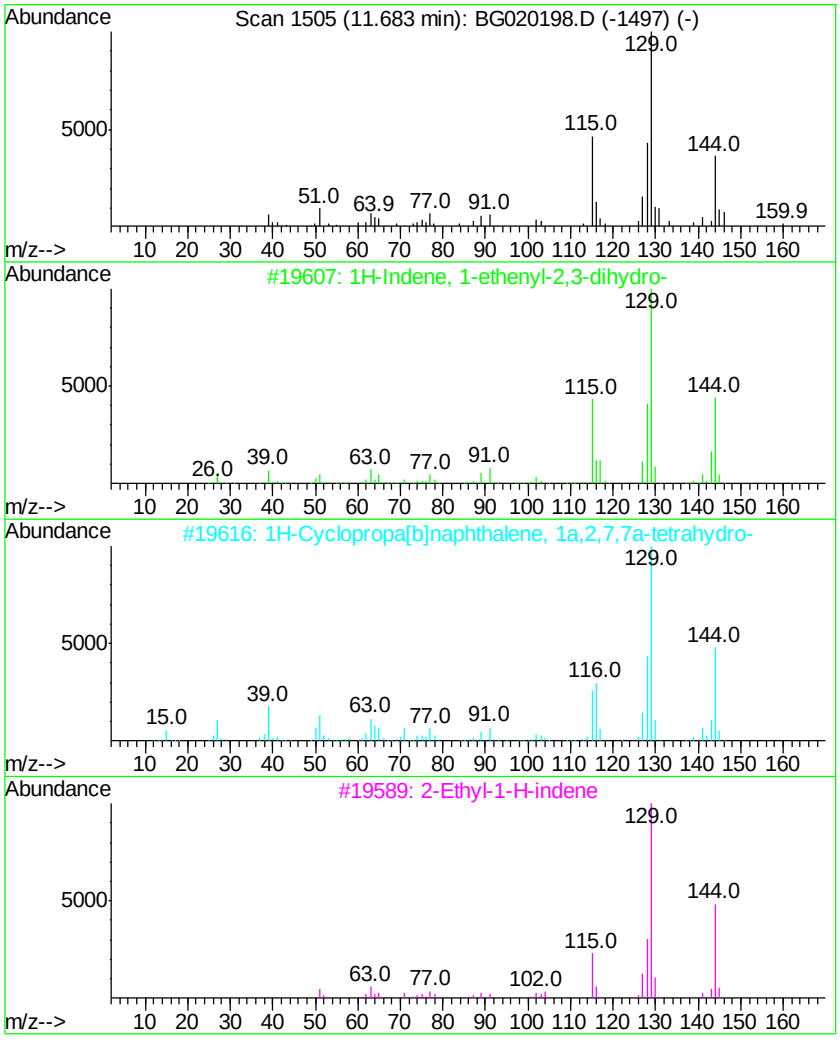
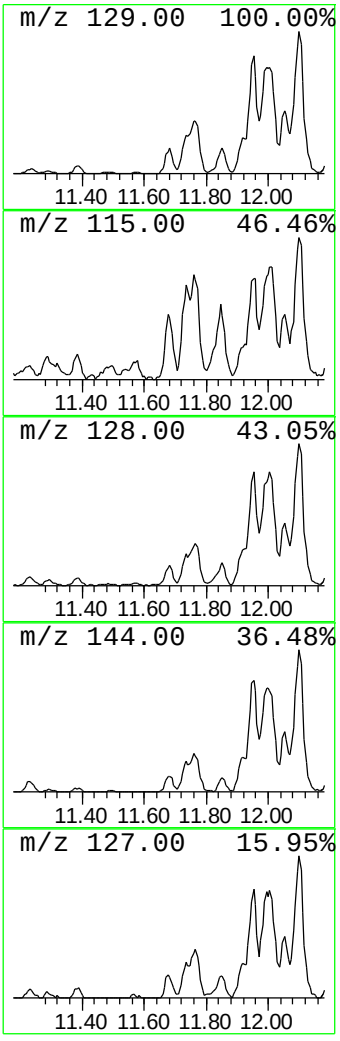
Peak Number 25 1H-Indene, 1-ethenyl-2,3-di... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	4.39 ng/ul	64382	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	90
2	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	74
3	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	72
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	70
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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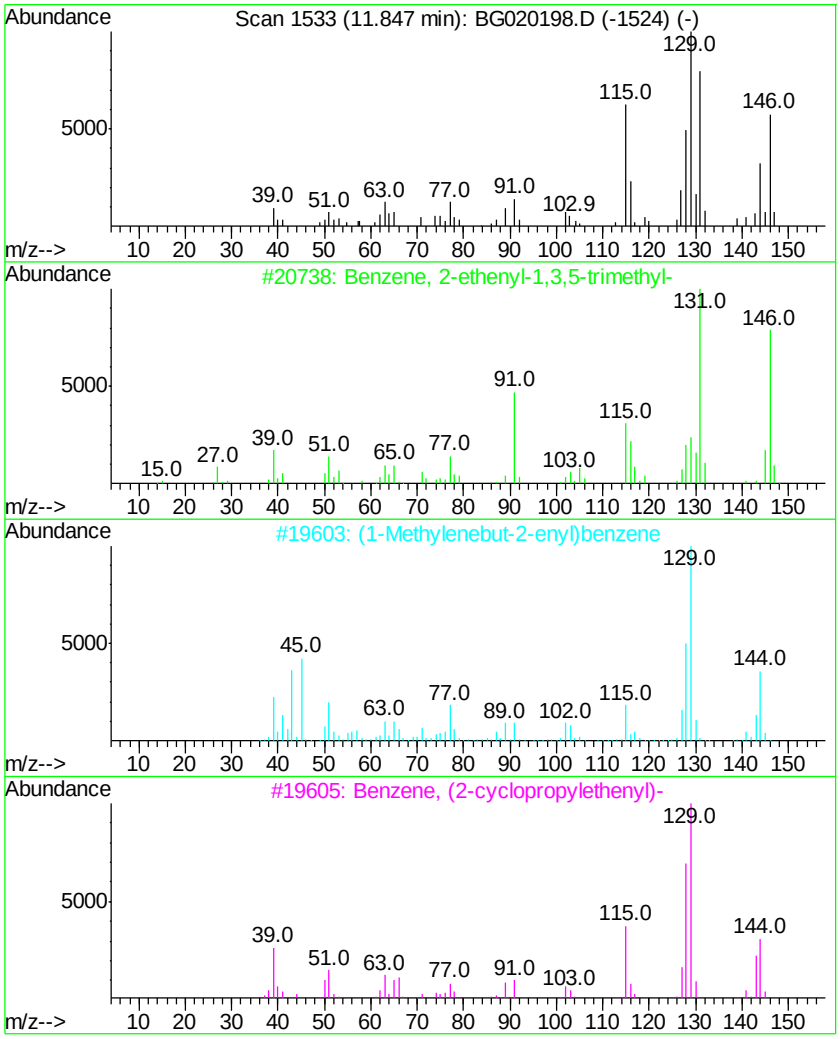
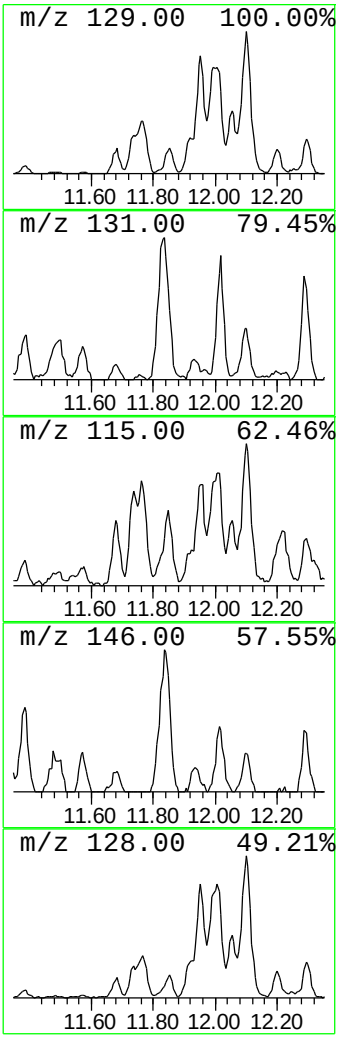
Peak Number 27 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	8.18 ng/ul	119906	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	49
2	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	43
3	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	41
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	38
5	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

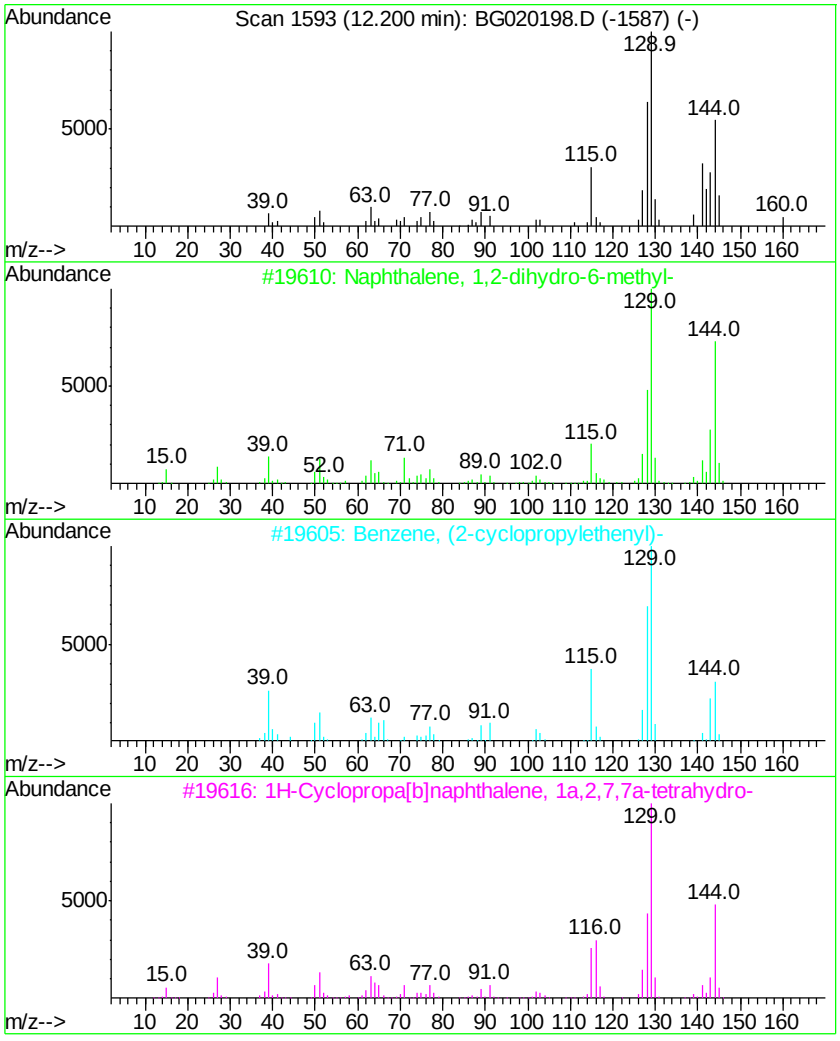
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

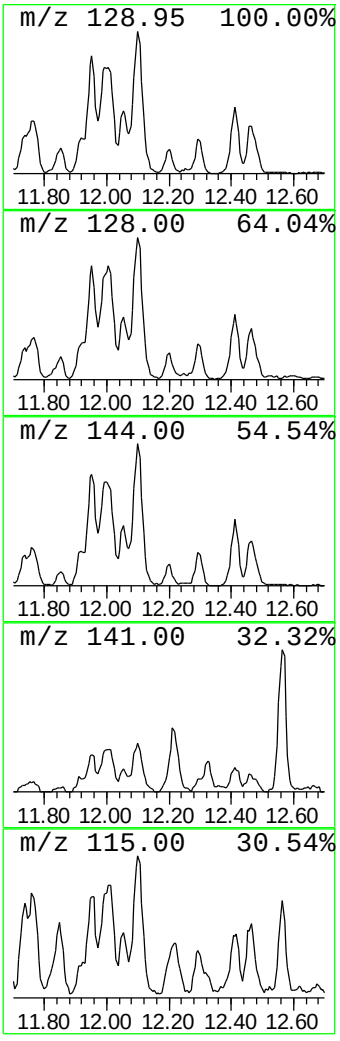
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Naphthalene, 1,2-dihydro-6-... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.43 ng/ul	65012	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	91
2	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	87
3	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	74
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	64
5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121615\
Data File : BG020198.D
Acq On : 15 Dec 2015 20:41
Operator : UM/SJ
Sample : G4786-10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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...	3.20	5.2	ng/ul	40828	1	8.10	158539	20.0
Benzene, 1-ethyl-...	7.48	14.0	ng/ul	111329	1	8.10	158539	20.0
Indane	8.47	5.7	ng/ul	45241	1	8.10	158539	20.0
Benzene, 1,2-diet...	8.59	9.7	ng/ul	76945	1	8.10	158539	20.0
Benzene, 1-ethyl-...	8.73	31.6	ng/ul	250643	1	8.10	158539	20.0
Benzene, 1-methyl...	8.90	5.9	ng/ul	46536	1	8.10	158539	20.0
Benzene, 2-ethyl-...	9.05	24.0	ng/ul	190114	1	8.10	158539	20.0
Benzene, 1-methyl...	9.10	7.2	ng/ul	56874	1	8.10	158539	20.0
Benzene, 1-ethyl-...	9.20	55.9	ng/ul	443027	1	8.10	158539	20.0
Benzene, 1-etheny...	9.37	22.6	ng/ul	179455	1	8.10	158539	20.0
Benzene, 4-ethyl-...	9.54	5.7	ng/ul	83672	2	10.92	293297	20.0
Benzene, 1,2,4,5-...	9.73	13.4	ng/ul	195927	2	10.92	293297	20.0
Benzene, 1-methyl...	9.79	37.2	ng/ul	546026	2	10.92	293297	20.0
Benzene, 1,4-diet...	10.10	4.3	ng/ul	62565	2	10.92	293297	20.0
Benzene, 1-etheny...	10.16	17.1	ng/ul	250693	2	10.92	293297	20.0
1H-Indene, 1-methyl-	10.33	103.6	ng/ul	1518890	2	10.92	293297	20.0
Tetracyclo[5.3.0....	10.61	6.4	ng/ul	94243	2	10.92	293297	20.0
Benzene, 1,3-dime...	11.12	3.0	ng/ul	43769	2	10.92	293297	20.0
Benzene, 1-ethyl-...	11.28	3.0	ng/ul	43459	2	10.92	293297	20.0
Benzocycloheptene	11.38	3.1	ng/ul	44984	2	10.92	293297	20.0
1H-Indene, 1-ethe...	11.68	4.4	ng/ul	64382	2	10.92	293297	20.0
unknown-01	11.85	8.2	ng/ul	119906	2	10.92	293297	20.0
Naphthalene, 1,2-...	12.20	4.4	ng/ul	65012	2	10.92	293297	20.0