LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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	3.105	39	45	57	rBV	603302	998433	2.64%	0.719%
2	4.239	231	238	243	rBV	117533	179644	0.48%	0.129%
3	5.596	459	469	475	rBV	4314082	7620387	20.15%	5.489%
4	5.743	484	494	504	rVV	720288	1235653	3.27%	0.890%
5	6.096	546	554	563	rVB	2178521	3634483	9.61%	2.618%
6	6.572	627	635	643	rBV	288295	465203	1.23%	0.335%
7	7.071	713	720	728	rBV	82746	136890	0.36%	0.099%
8	7.236	742	748	756	rVV	517312	864449	2.29%	0.623%
9	7.312	756	761	772	rVB	259863	421603	1.11%	0.304%
10	7.418	772	779	784	rBV	85562	145315	0.38%	0.105%
11	7.482	784	790	796	rVV	254152	426779	1.13%	0.307%
12	7.629	808	815	821	rVV	96247	164718	0.44%	0.119%
13	7.747	829	835	844	rVV2	1300195	2478803	6.56%	1.786%
14	8.099	888	895	899	rVV	84859	161041	0.43%	0.116%
15	8.217	906	915	922	rVV	676199	1228502	3.25%	0.885%
16	8.287	922	927	936	rVB	249977	447331	1.18%	0.322%
17	8.505	952	964	970	rVV	5623346	12842233	33.96%	9.250%
18	8.593	974	979	983	rVV	178238	286922	0.76%	0.207%
19	8.652	983	989	996	rVV	1850315	3342596	8.84%	2.408%
20	8.740	996	1004	1009	rVV	217796	377611	1.00%	0.272%
21	8.799	1009	1014	1020	rVB	97933	172063	0.46%	0.124%
22	9.210	1072	1084	1089	rVV	324177	603912	1.60%	0.435%
23	9.286	1089	1097	1104	rVV2	206126	541908	1.43%	0.390%
24	9.374	1105	1112	1120	rVV4	64363	186501	0.49%	0.134%
25	9.463	1120	1127	1135	rVB2	224097	455664	1.20%	0.328%
26	9.580	1135	1147	1154	rBV3	206025	524913	1.39%	0.378%
27	9.651	1154	1159	1168	rVV	97344	181529	0.48%	0.131%
28	9.733	1168	1173	1178	rVV	92920	152096	0.40%	0.110%
29	9.792	1178	1183	1191	rVV	205703	369638	0.98%	0.266%
30	9.997	1213	1218	1223	rVV2	119411	254105	0.67%	0.183%
31	10.162	1240	1246	1256	rVB	496868	859611	2.27%	0.619%
32	10.350	1265	1278	1284	rVV3	1136338	3234512	8.55%	2.330%
33	10.426	1284	1291	1295	rVV	1710736	3781191	10.00%	2.724%
34	10.461	1295	1297	1304	rVV	981506	1335166	3.53%	0.962%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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	10.549	1304	1312	1319	rVV2	192309	433209	1.15%	0.312%
36	10.626	1319	1325	1336	rVB	186294	346657	0.92%	0.250%
37	11.061	1367	1399	1404	rBV	8335402	37815353	100.00%	27.239%
38	11.125	1404	1410	1422	rVB	1117568	1846843	4.88%	1.330%
39	11.766	1510	1519	1525	rBV2	142821	391231	1.03%	0.282%
40	11.954	1541	1551	1555	rBV2	143653	341740	0.90%	0.246%
41	12.101	1571	1576	1587	rVB2	217788	445090	1.18%	0.321%
42	12.224	1588	1597	1604	rBV5	51081	160414	0.42%	0.116%
43	12.300	1604	1610	1619	rVB3	147678	295266	0.78%	0.213%
44	12.418	1623	1630	1633	rBV2	78395	144923	0.38%	0.104%
45	12.465	1633	1638	1647	rVB2	220242	401656	1.06%	0.289%
46	12.582	1647	1658	1664	rBV	2733832	4893537	12.94%	3.525%
47	12.688	1671	1676	1683	rVB2	93883	211856	0.56%	0.153%
48	12.812	1683	1697	1703	rBV	4236337	9192579	24.31%	6.622%
49	13.193	1758	1762	1768	rVB	121683	191747	0.51%	0.138%
50	13.564	1817	1825	1839	rVB	556142	968231	2.56%	0.697%
51	13.699	1841	1848	1853	rBV	241751	414709	1.10%	0.299%
52	13.763	1853	1859	1870	rVB	638639	1206002	3.19%	0.869%
53	13.910	1870	1884	1890	rBV3	702152	2179057	5.76%	1.570%
54	13.969	1890	1894	1901	rVB4	74632	136763	0.36%	0.099%
55	14.057	1901	1909	1914	rBV	908114	1709424	4.52%	1.231%
56	14.110	1914	1918	1920	rBV	293103	440529	1.16%	0.317%
57	14.134	1920	1922	1927	rVB	363024	405210	1.07%	0.292%
58	14.286	1943	1948	1952	rBV	422542	682080	1.80%	0.491%
59	14.427	1965	1972	1974	rBV	392103	640435	1.69%	0.461%
60	14.451	1974	1976	1982	rVV	328284	448814	1.19%	0.323%
61	14.698	2012	2018	2021	rBV	217658	366032	0.97%	0.264%
62	14.733	2021	2024	2029	rVV2	224902	328187	0.87%	0.236%
63	14.803	2029	2036	2041	rVV	1891139	3066855	8.11%	2.209%
64	14.915	2048	2055	2066	rVB4	150852	424397	1.12%	0.306%
65	15.121	2084	2090	2097	rVB3	233891	422432	1.12%	0.304%
66	15.197	2098	2103	2106	rBV2	152495	248786	0.66%	0.179%
67	15.309	2106	2122	2126	rBV2	496073	1624600	4.30%	1.170%
68	15.397	2134	2137	2150	rVB3	188583	340807	0.90%	0.245%
69	15.514	2150	2157	2160	rBV3	70028	152820	0.40%	0.110%
70	15.597	2167	2171	2177	rVB	207870	317758	0.84%	0.229%
71	15.720	2183	2192	2197	rVV	658657	995852	2.63%	0.717%

LSC Area Percent Report

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Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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	15.779	2197	2202	2207	rVV	644165	983690	2.60%	0.709%
73	15.832	2207	2211	2215	rVB	146507	193873	0.51%	0.140%
74	15.984	2230	2237	2242	rBV5	145884	299447	0.79%	0.216%
75	16.184	2267	2271	2278	rVB	218433	343987	0.91%	0.248%
76	16.448	2311	2316	2319	rBV3	204696	374517	0.99%	0.270%
77	16.730	2355	2364	2366	rBV3	78256	164213	0.43%	0.118%
78	16.824	2376	2380	2385	rVB2	115604	174046	0.46%	0.125%
79	17.259	2449	2454	2456	rBV2	83424	144960	0.38%	0.104%
80	17.295	2456	2460	2466	rVV3	279180	548778	1.45%	0.395%
81	17.377	2467	2474	2480	rVB2	201905	392977	1.04%	0.283%
82	17.477	2485	2491	2493	rVV	269232	458480	1.21%	0.330%
83	17.518	2493	2498	2503	rVV	1209853	1965979	5.20%	1.416%
84	17.577	2503	2508	2511	rVV	540433	899875	2.38%	0.648%
85	17.606	2511	2513	2518	rVV	301276	408276	1.08%	0.294%
86	17.676	2518	2525	2533	rVB	496561	848939	2.24%	0.612%
87	17.870	2554	2558	2564	rVB	235680	354493	0.94%	0.255%
88	18.346	2635	2639	2643	rVV	206652	294431	0.78%	0.212%
89	18.393	2643	2647	2654	rVB3	269188	406109	1.07%	0.293%
90	18.470	2655	2660	2666	rVB3	107824	180785	0.48%	0.130%
91	18.540	2666	2672	2676	rBV2	244244	503093	1.33%	0.362%
92	18.575	2676	2678	2683	rVB	118808	138950	0.37%	0.100%
93	19.257	2789	2794	2798	rBV3	102290	160712	0.42%	0.116%
94	19.521	2833	2839	2843	rVB	224216	328594	0.87%	0.237%
95	19.850	2890	2895	2898	rBV2	583194	895695	2.37%	0.645%
96	19.880	2898	2900	2907	rVB	374049	468970	1.24%	0.338%
97	21.742	3208	3217	3222	rBV2	338875	711716	1.88%	0.513%
98	21.789	3222	3225	3238	rVB	89879	173598	0.46%	0.125%
99	24.792	3727	3736	3743	rVV	287874	787281	2.08%	0.567%
100	25.015	3763	3774	3784	rBV2	163235	477829	1.26%	0.344%

Sum of corrected areas: 138827579

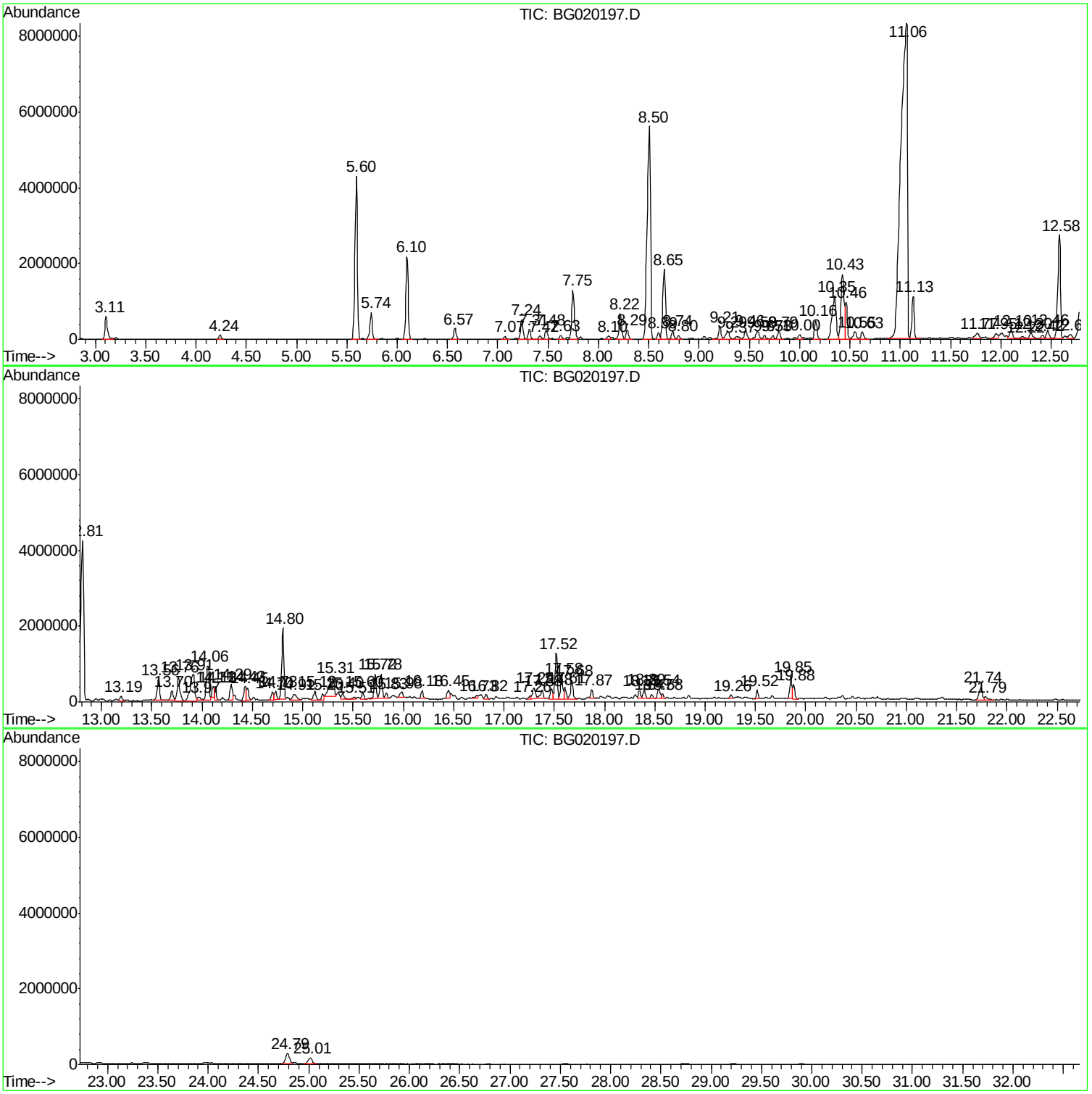
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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 : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
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Instrument : BNA_G
ClientSampleId : G9BQ4

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

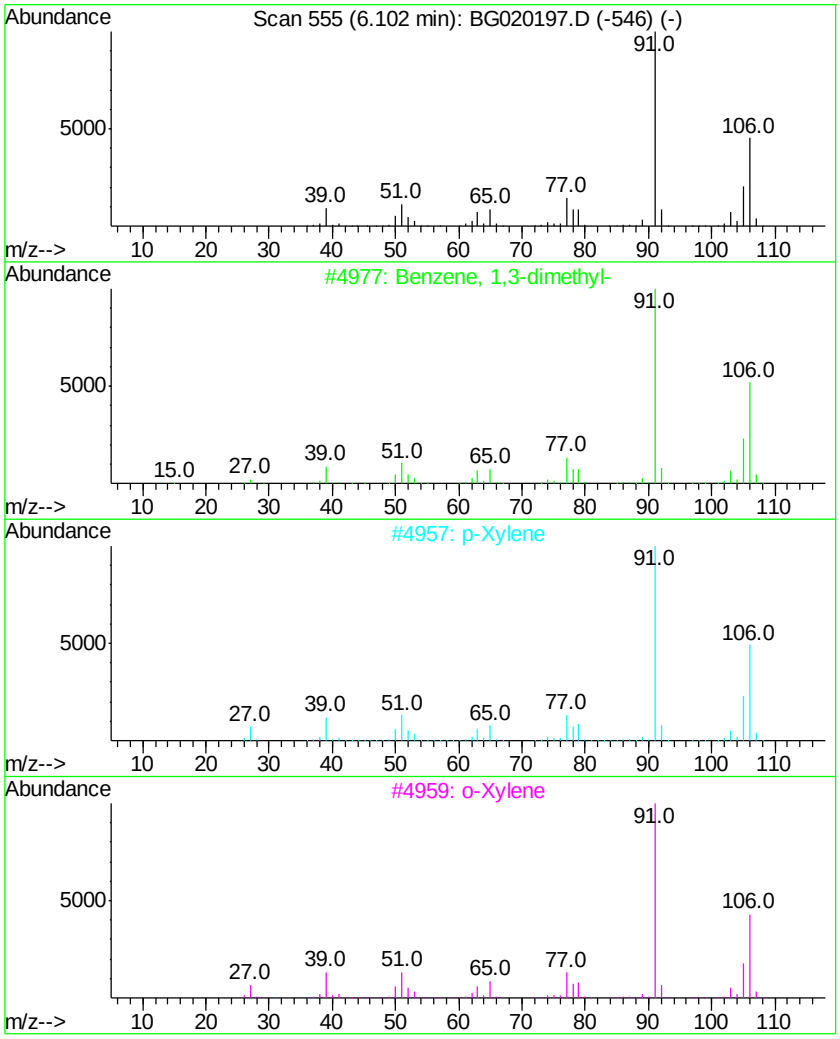
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

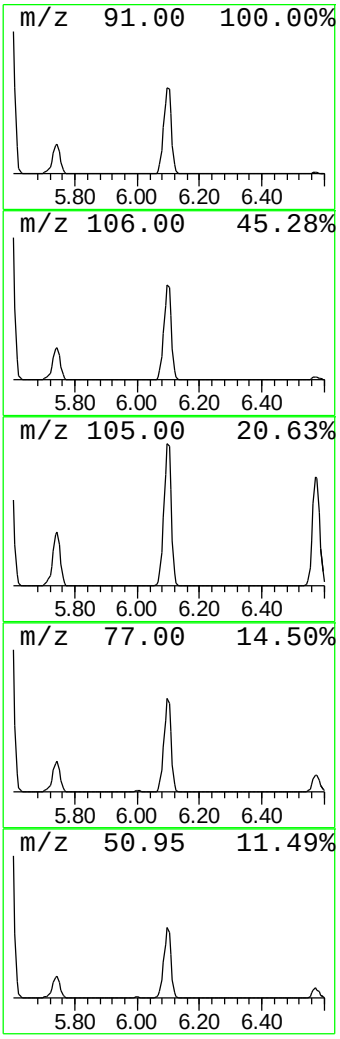
****

Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	451.37 ng/ul	3634480	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	o-Xylene	106	C8H10	000095-47-6	97
5	p-Xylene	106	C8H10	000106-42-3	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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

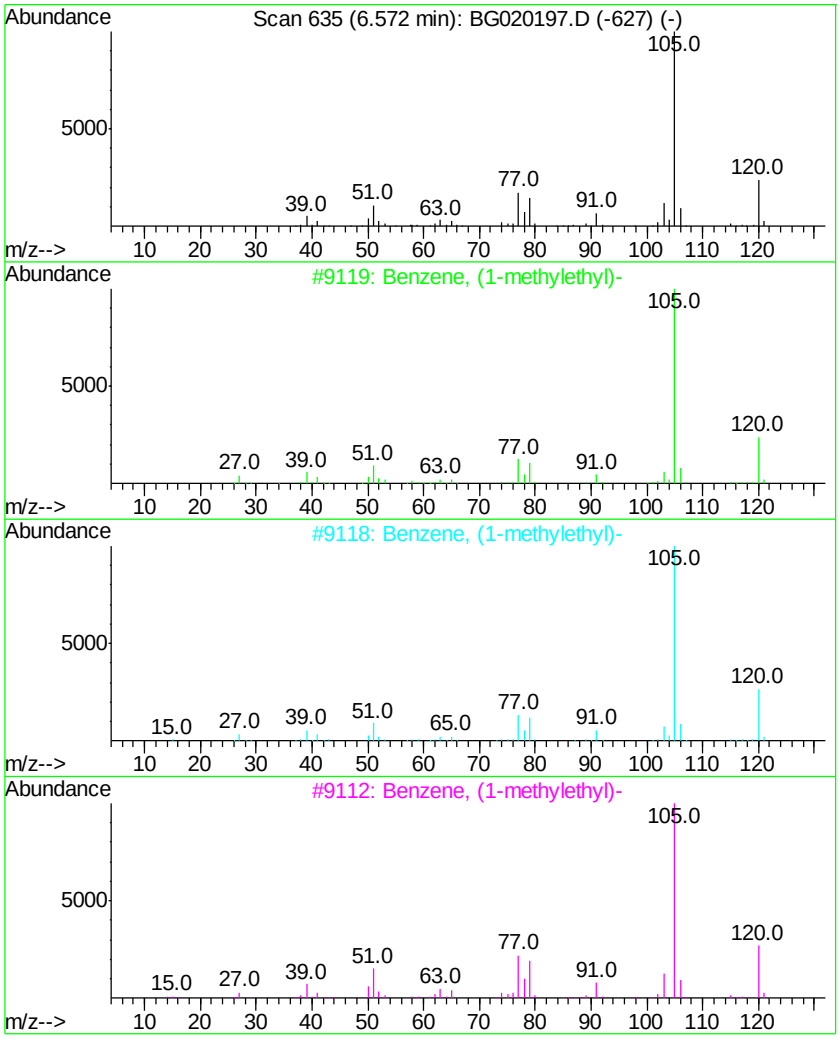
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

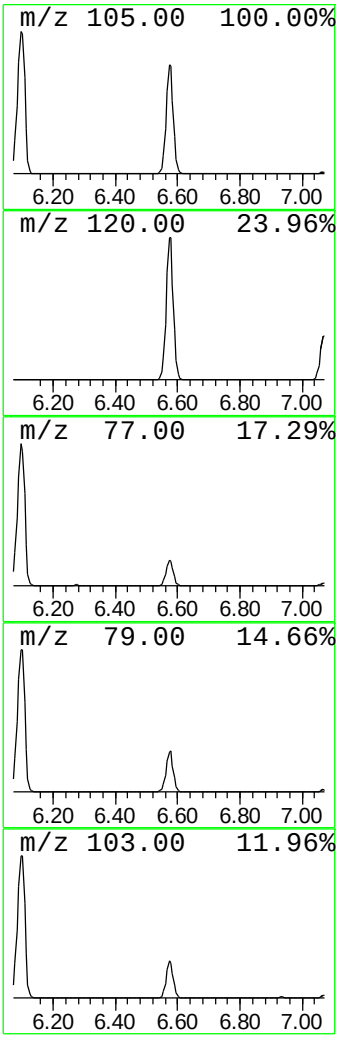
****

Peak Number 6 Benzene, (1-methylethyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	57.77 ng/ul	465203	1,4-Dichlorobenzene-d4	8.11

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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

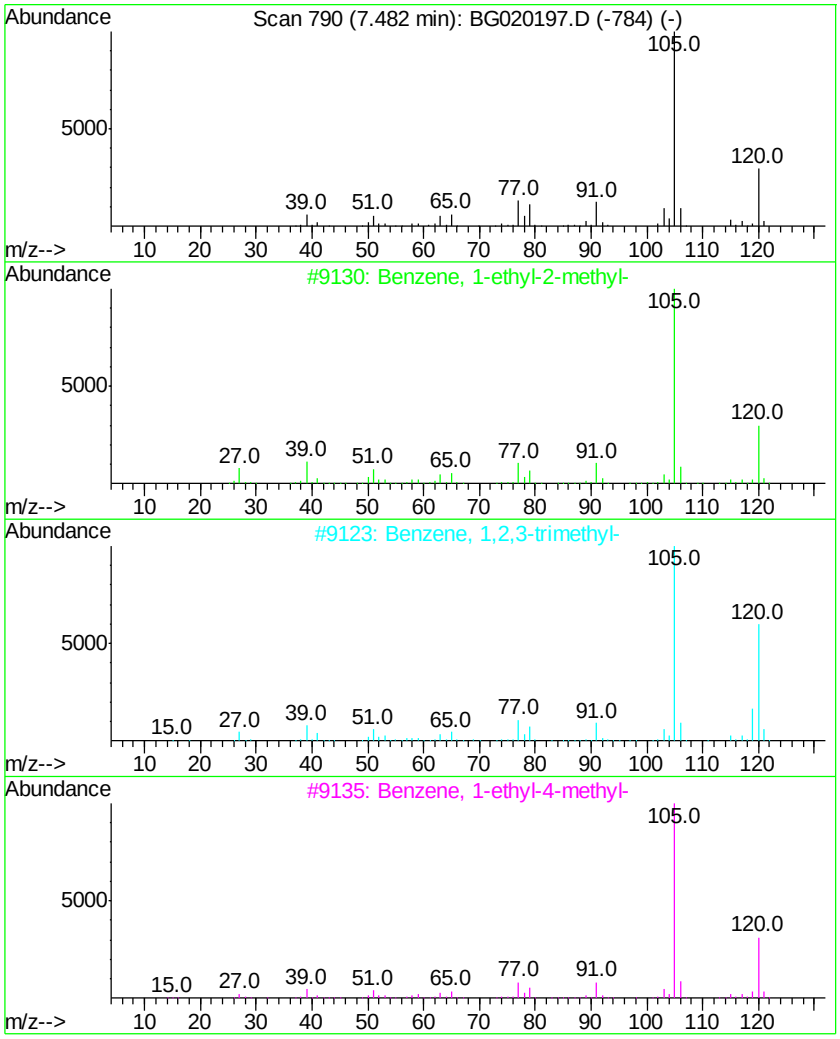
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

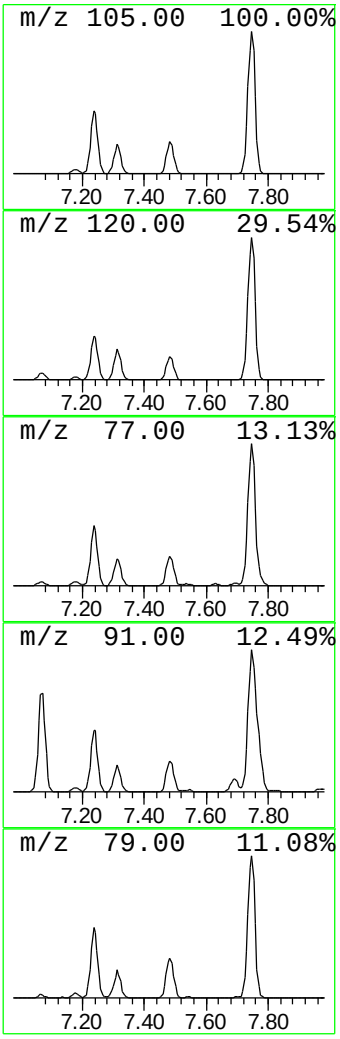
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	53.00 ng/ul	426779	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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

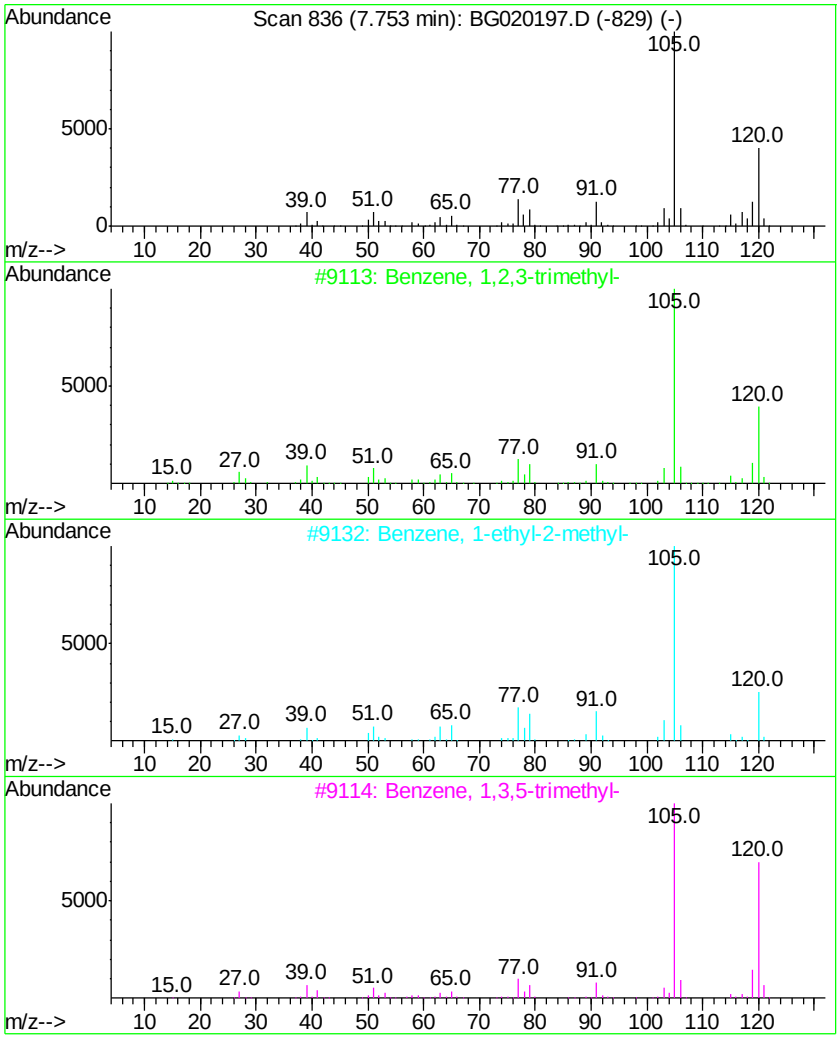
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

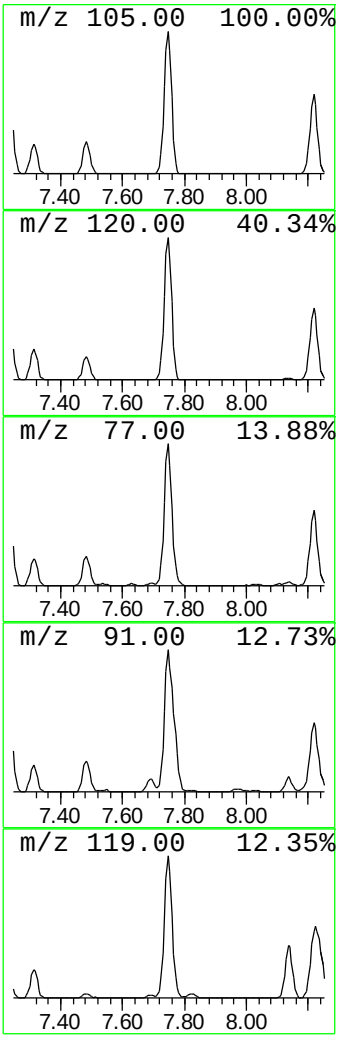
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	307.85 ng/ul	2478800	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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 : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

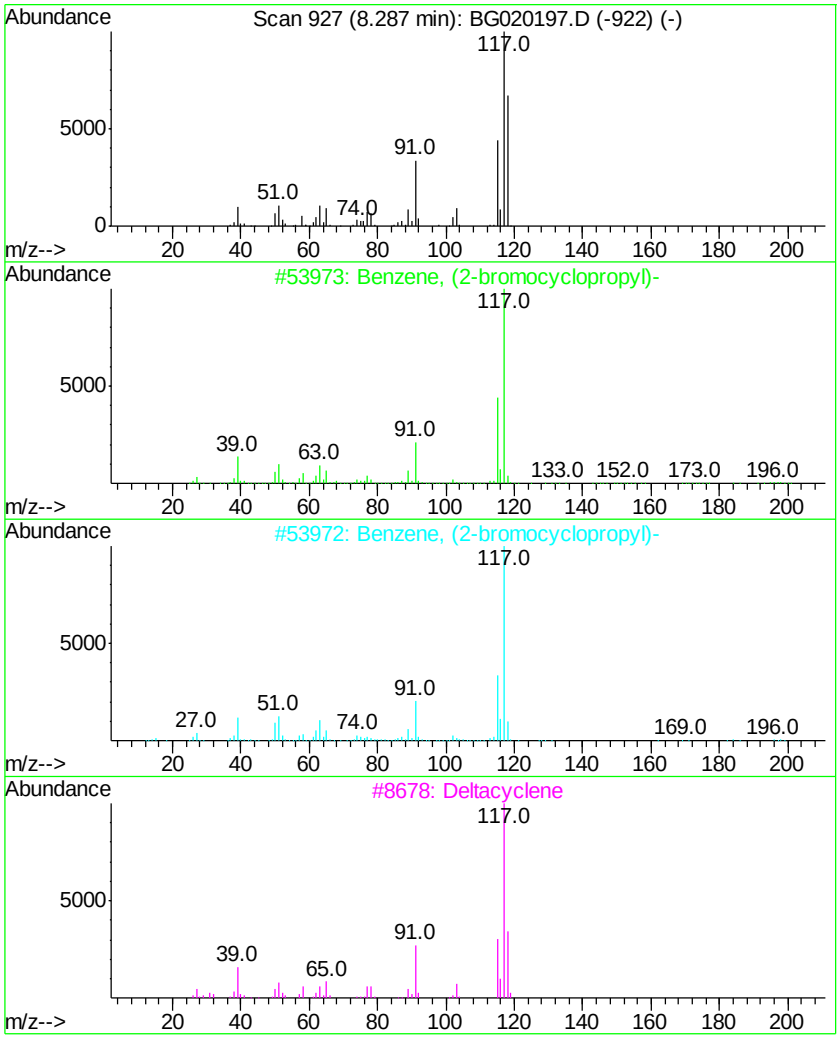
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

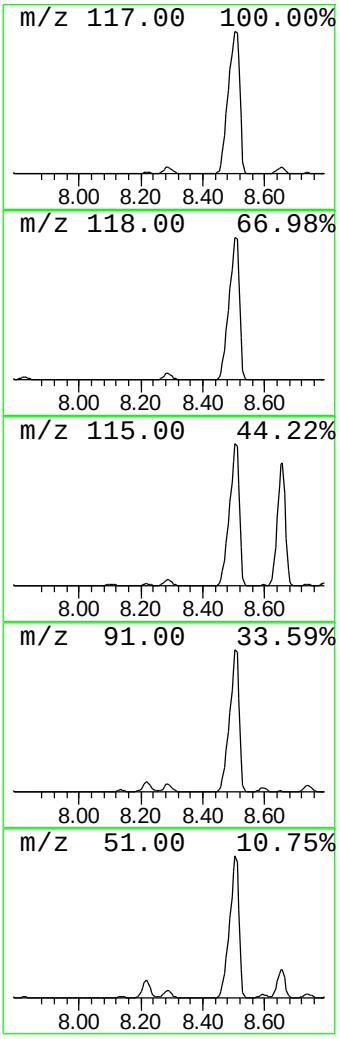
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, (2-bromocyclopropyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	55.55 ng/ul	447331	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	53
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	50
3	Deltacyclene	118	C9H10	007785-10-6	50
4	Deltacyclene	118	C9H10	007785-10-6	40
5	Indolizine	117	C8H7N	000274-40-8	38





Library Search Compound Report

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Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
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Instrument : BNA_G
ClientSampleId : G9BQ4

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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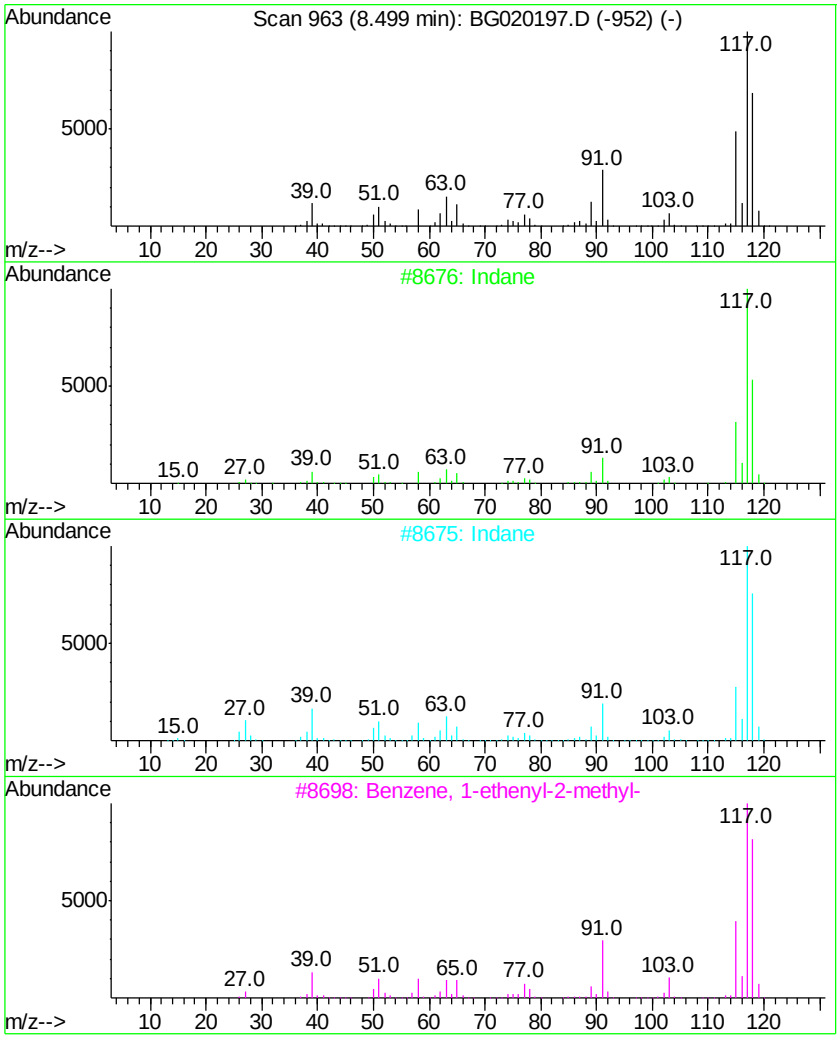
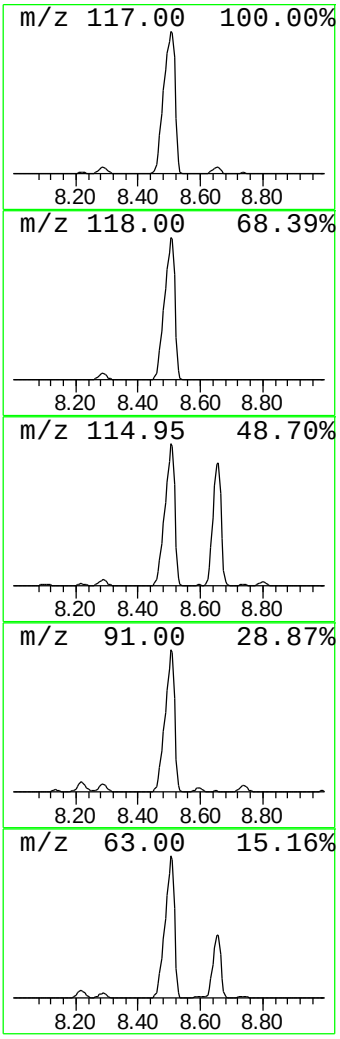
Peak Number 12 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	1594.90 ng/ul	12842200	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Indane	118	C9H10	000496-11-7	93





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Instrument : BNA_G
ClientSampleId : G9BQ4

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Quant Title : SVOA CALIBRATION

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

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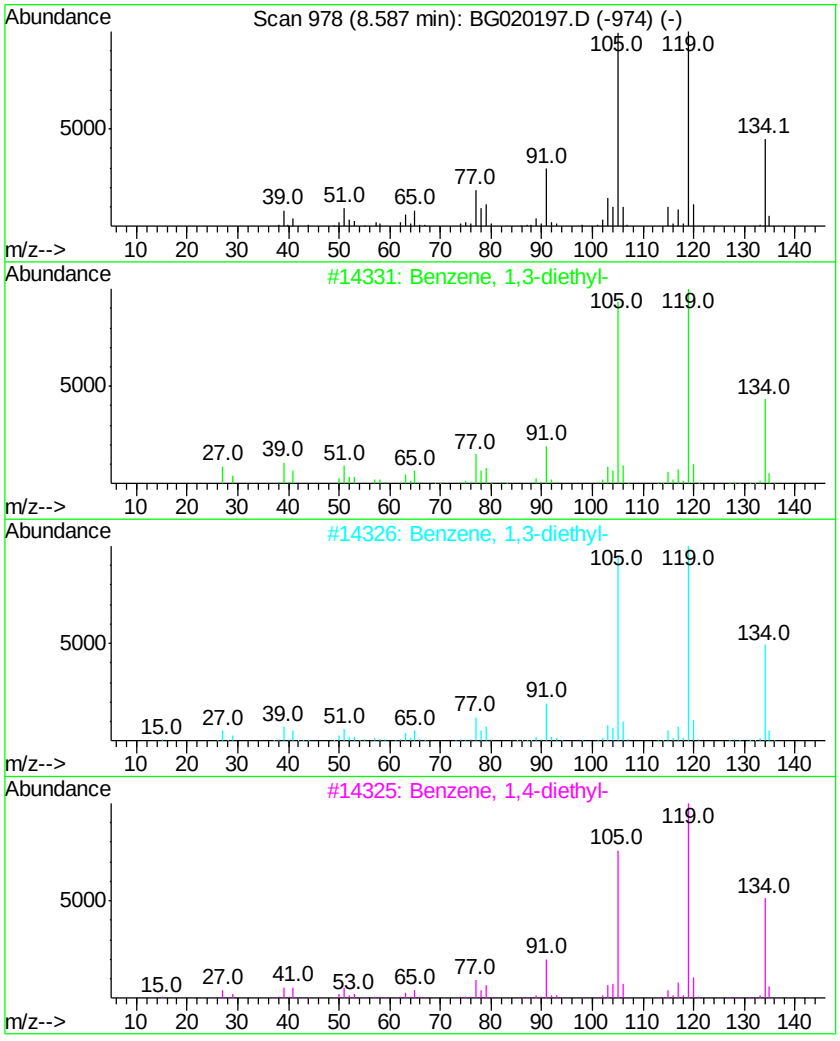
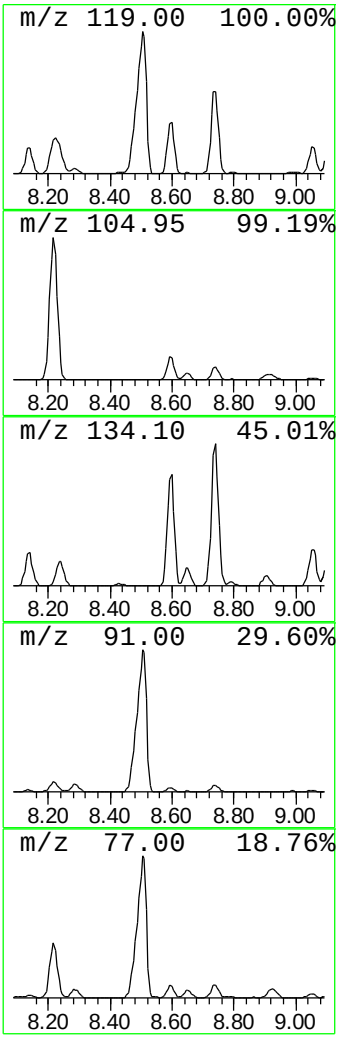
Peak Number 13 Benzene, 1,3-diethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	35.63 ng/ul	286922	1,4-Dichlorobenzene-d4	8.11

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





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Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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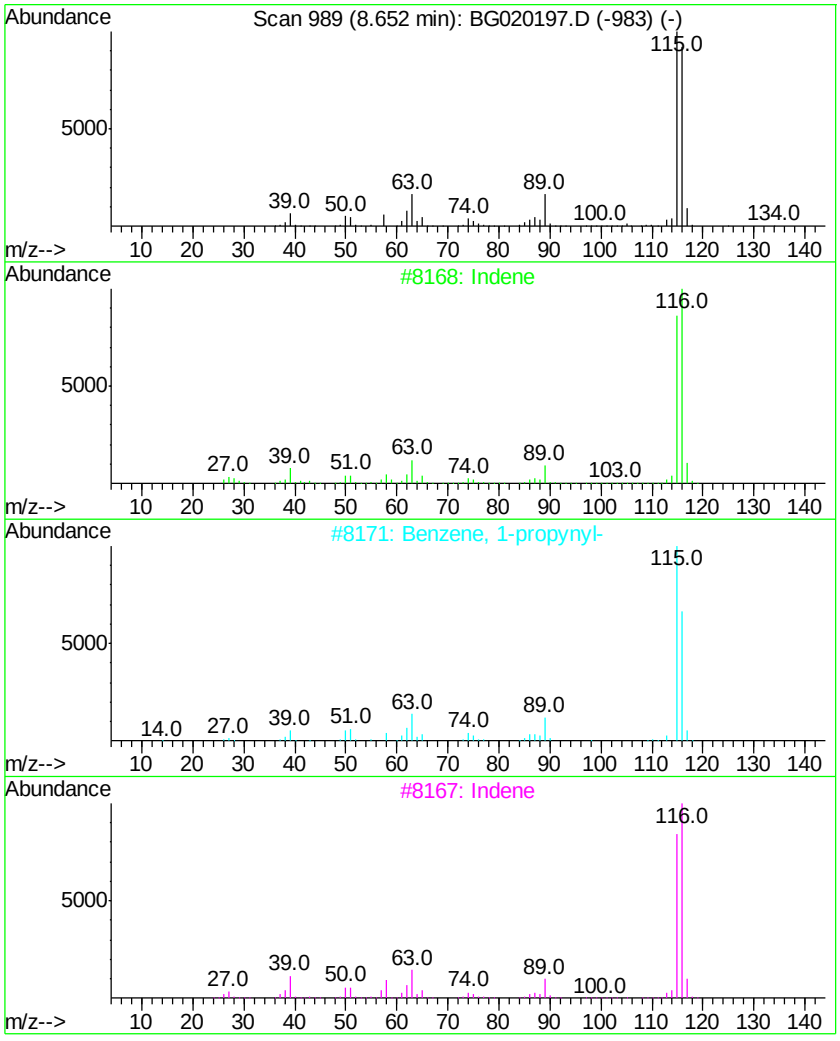
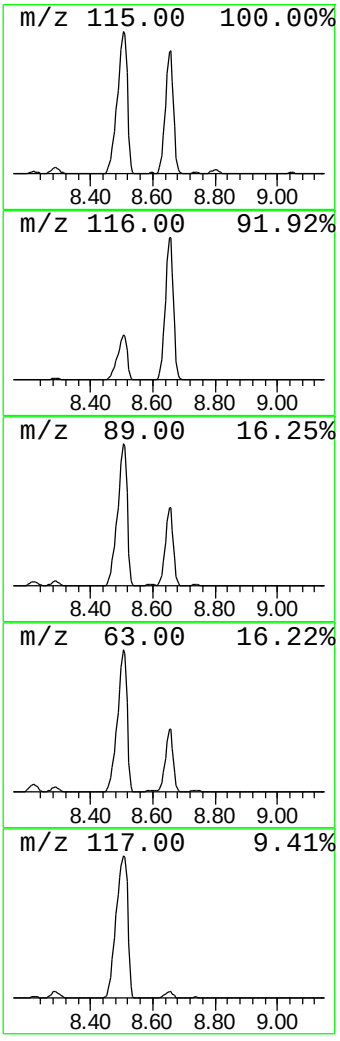
Peak Number 14 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	415.12 ng/ul	3342600	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	97
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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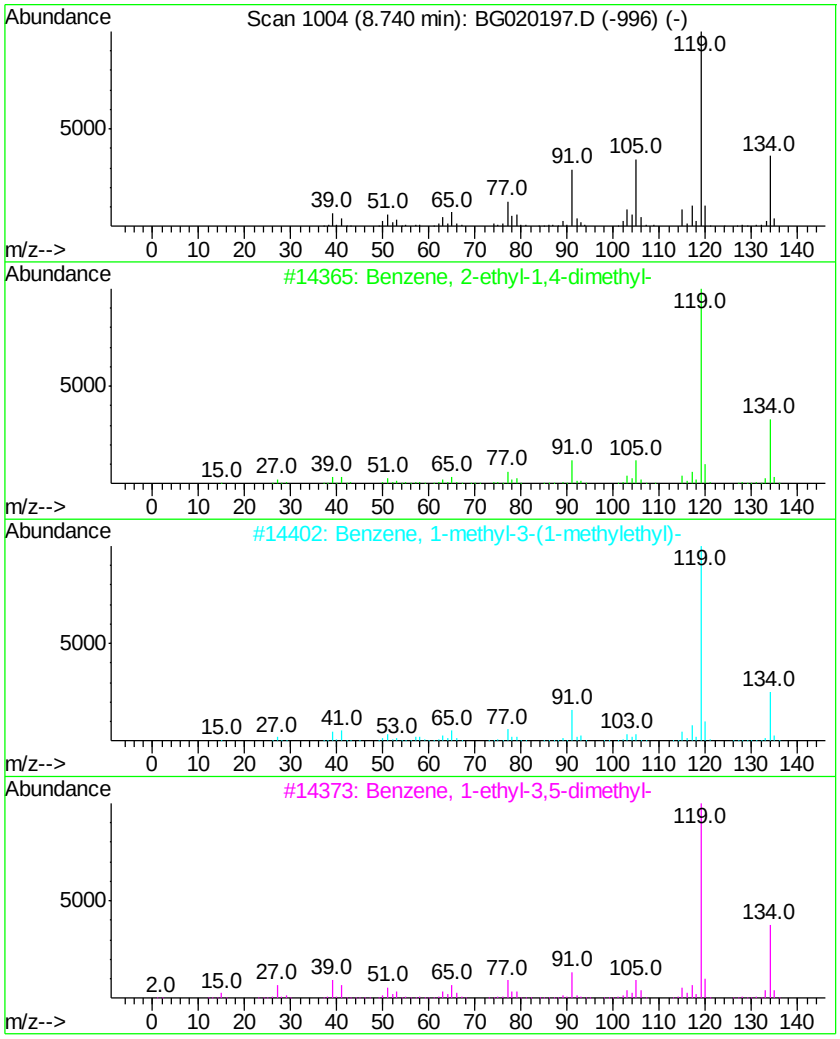
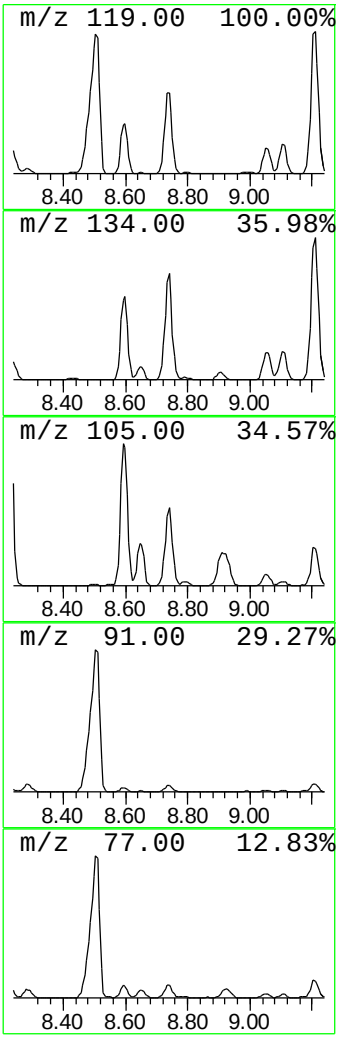
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	46.90 ng/ul	377611	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91





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Instrument : BNA_G
ClientSampleId : G9BQ4

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Quant Title : SVOA CALIBRATION

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

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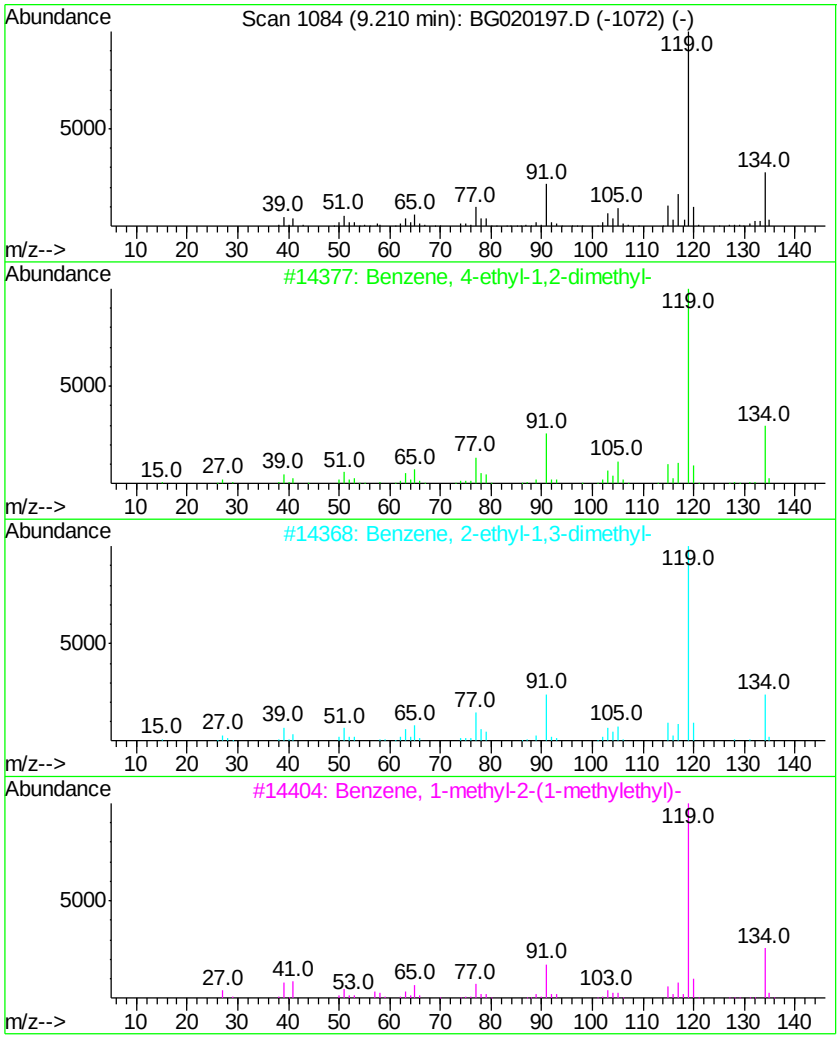
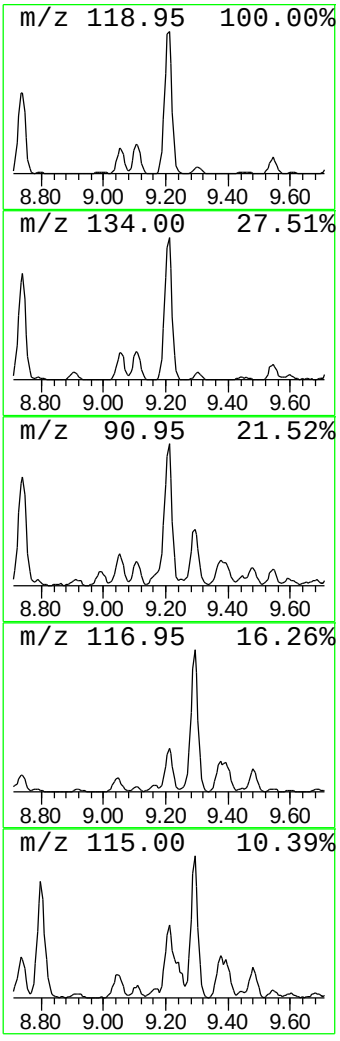
Peak Number 16 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	75.00 ng/ul	603912	1,4-Dichlorobenzene-d4	8.11

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, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Operator : UM/SJ
Sample : G4786-09
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Instrument : BNA_G
ClientSampleId : G9BQ4

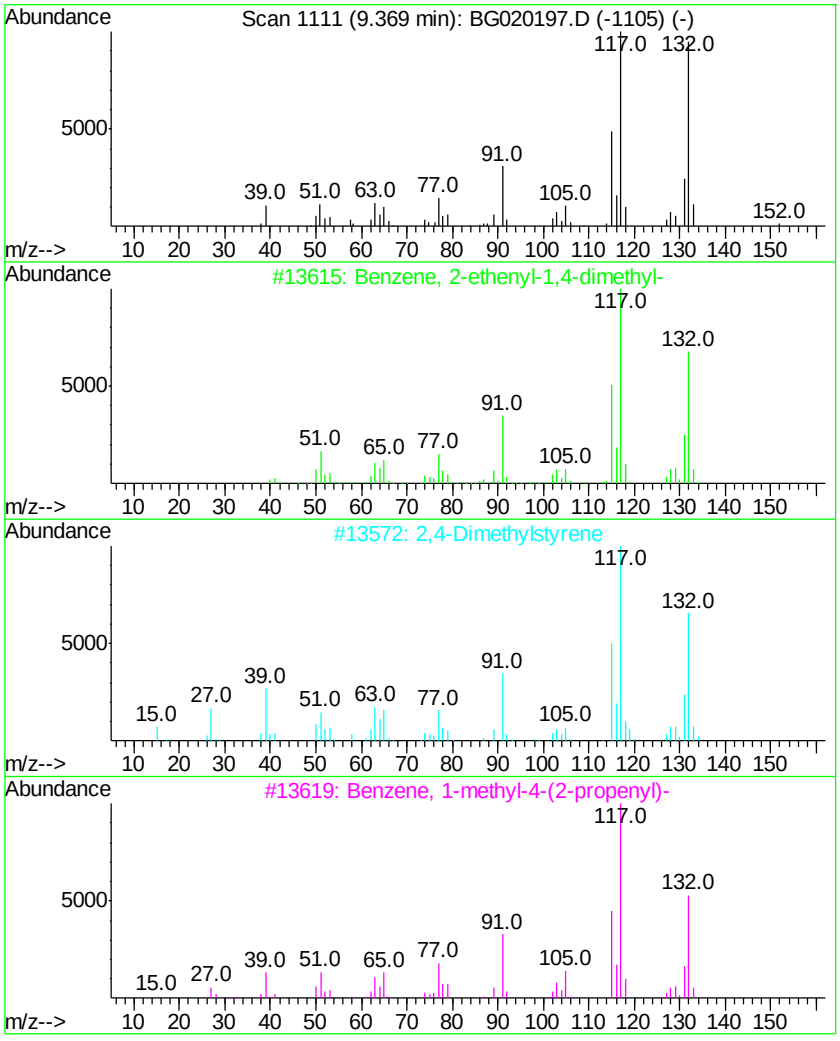
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

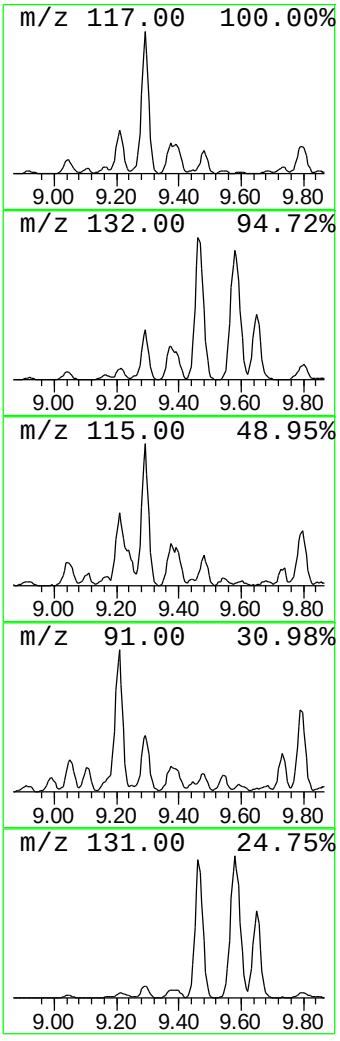
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	23.16 ng/ul	186501	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95





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Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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Quant Title : SVOA CALIBRATION

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

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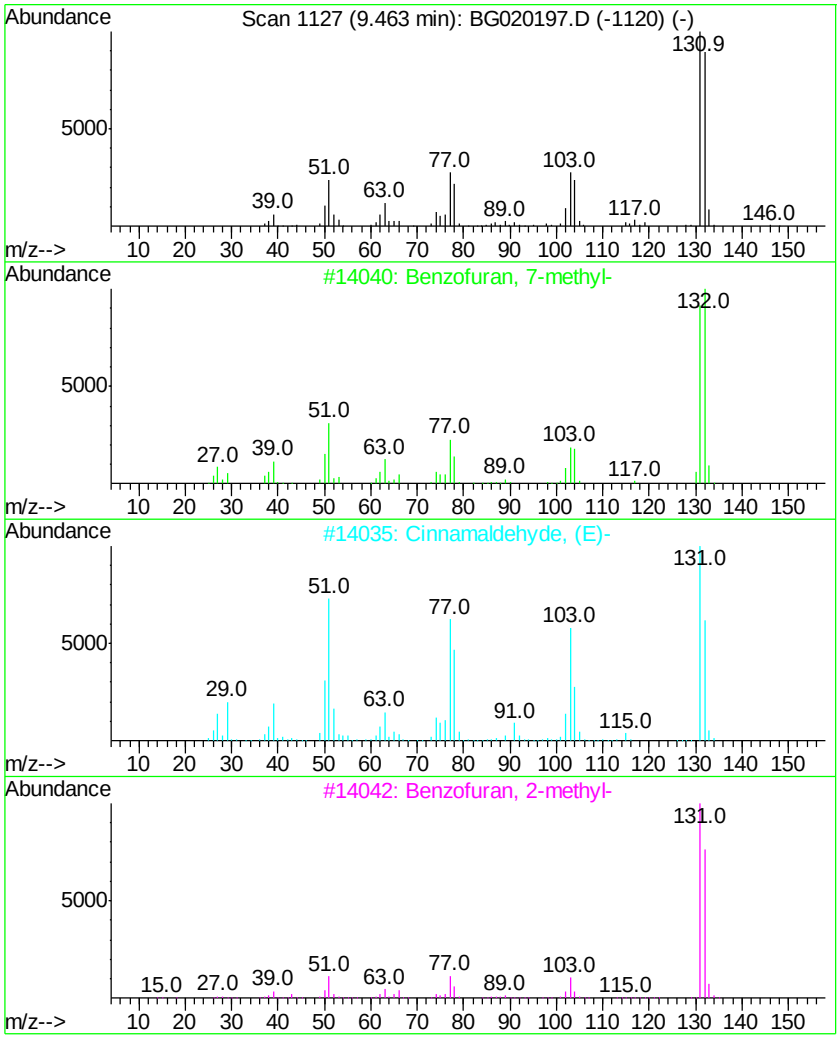
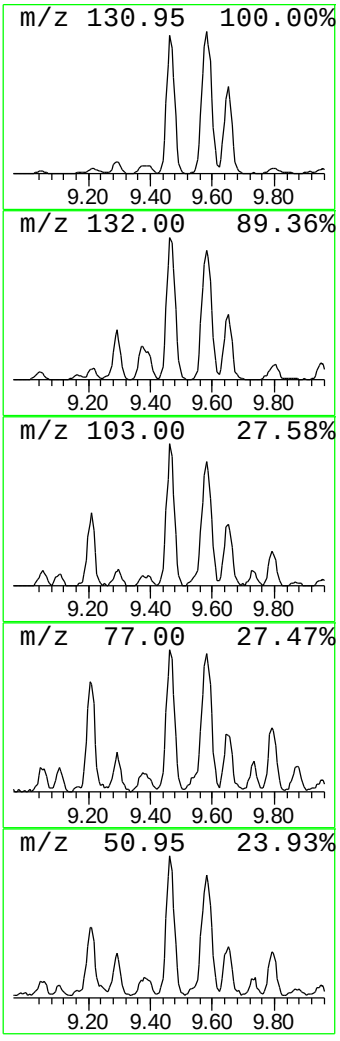
Peak Number 18 Benzofuran, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	56.59 ng/ul	455664	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





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ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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Quant Title : SVOA CALIBRATION

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

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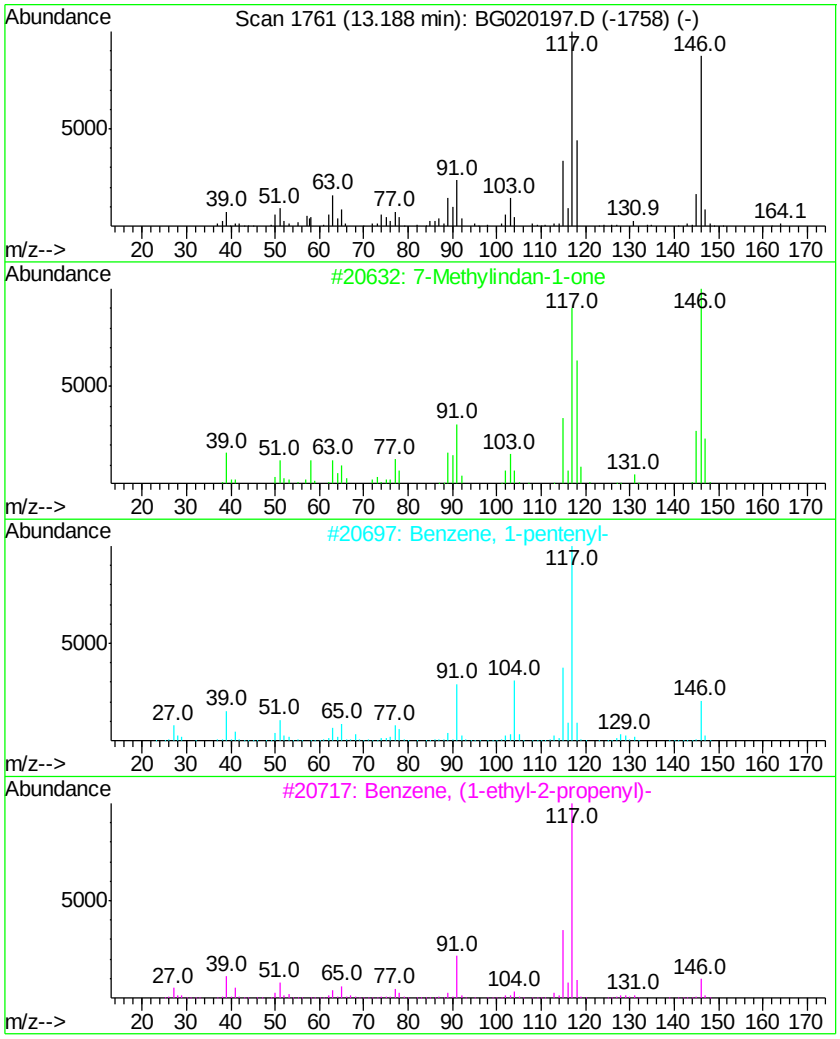
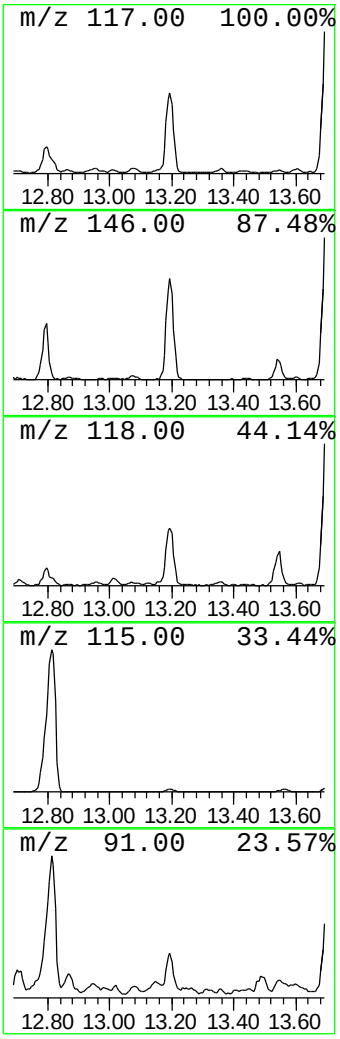
Peak Number 19 7-Methylindan-1-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	11.69 ng/ul	191747	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylindan-1-one	146	C10H10O	039627-61-7	76
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	58
3	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	53
4	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	52
5	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	52





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ClientSampleId : G9BQ4

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Quant Title : SVOA CALIBRATION

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

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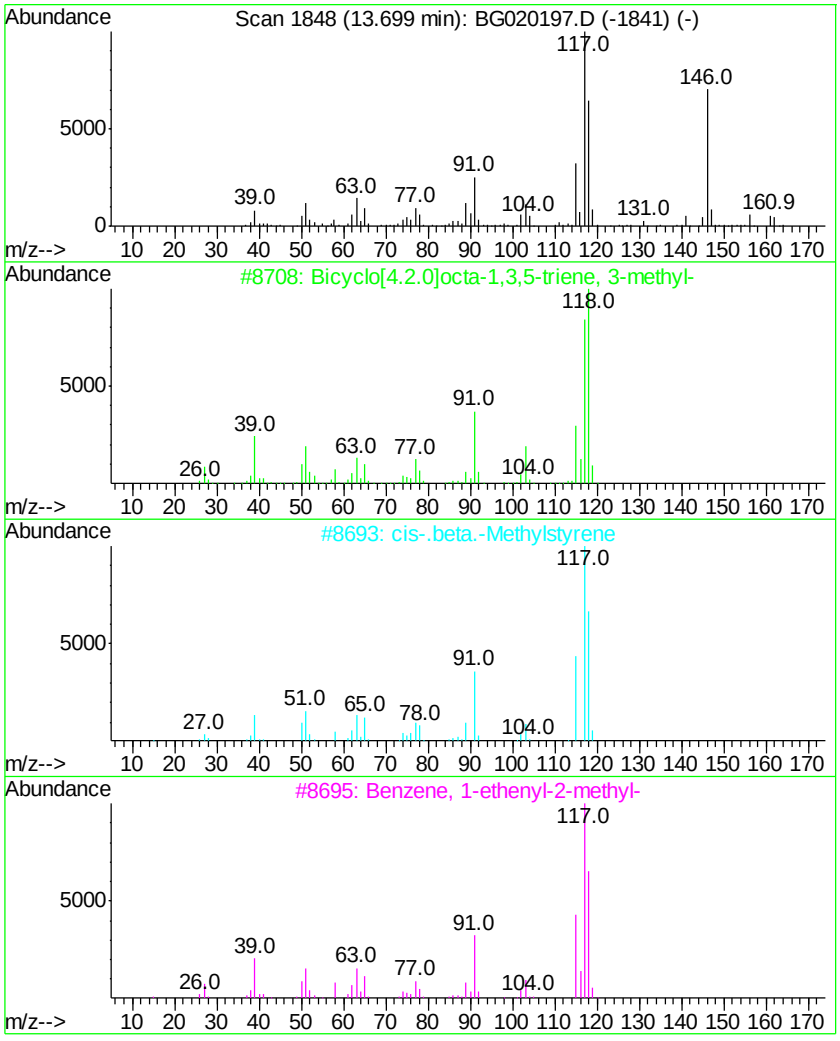
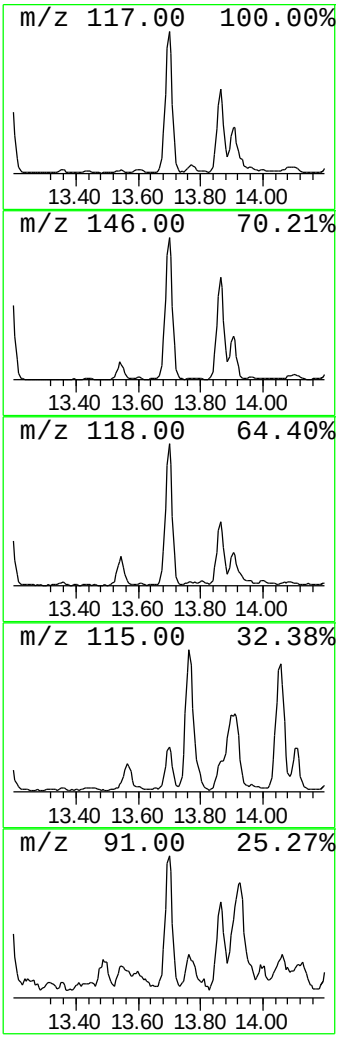
Peak Number 20 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	25.27 ng/ul	414709	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	80
2	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	78
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Indane	118	C9H10	000496-11-7	60





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ClientSampleId : G9BQ4

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Quant Title : SVOA CALIBRATION

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

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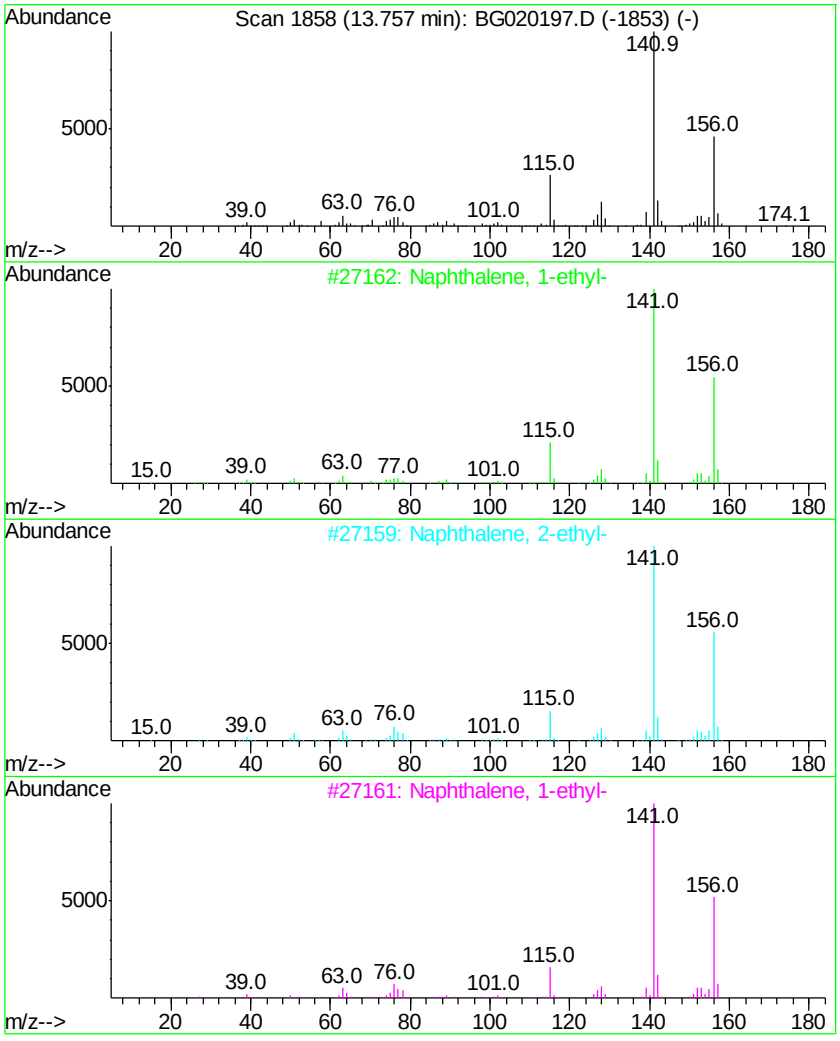
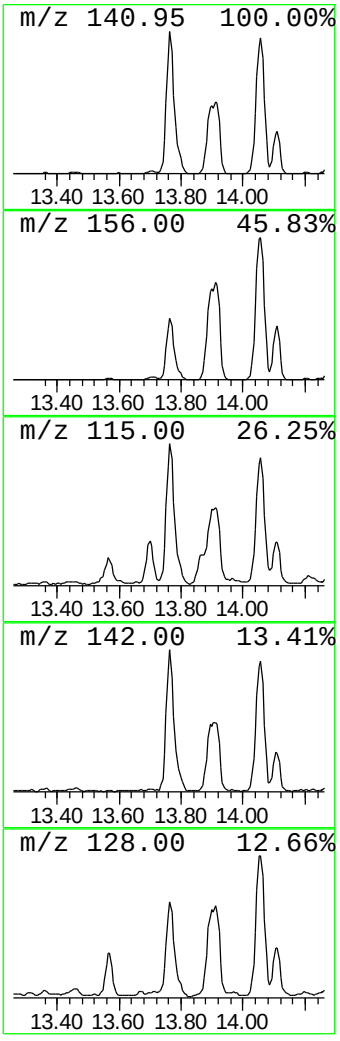
Peak Number 21 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	73.49 ng/ul	1206000	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





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Quant Title : SVOA CALIBRATION

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

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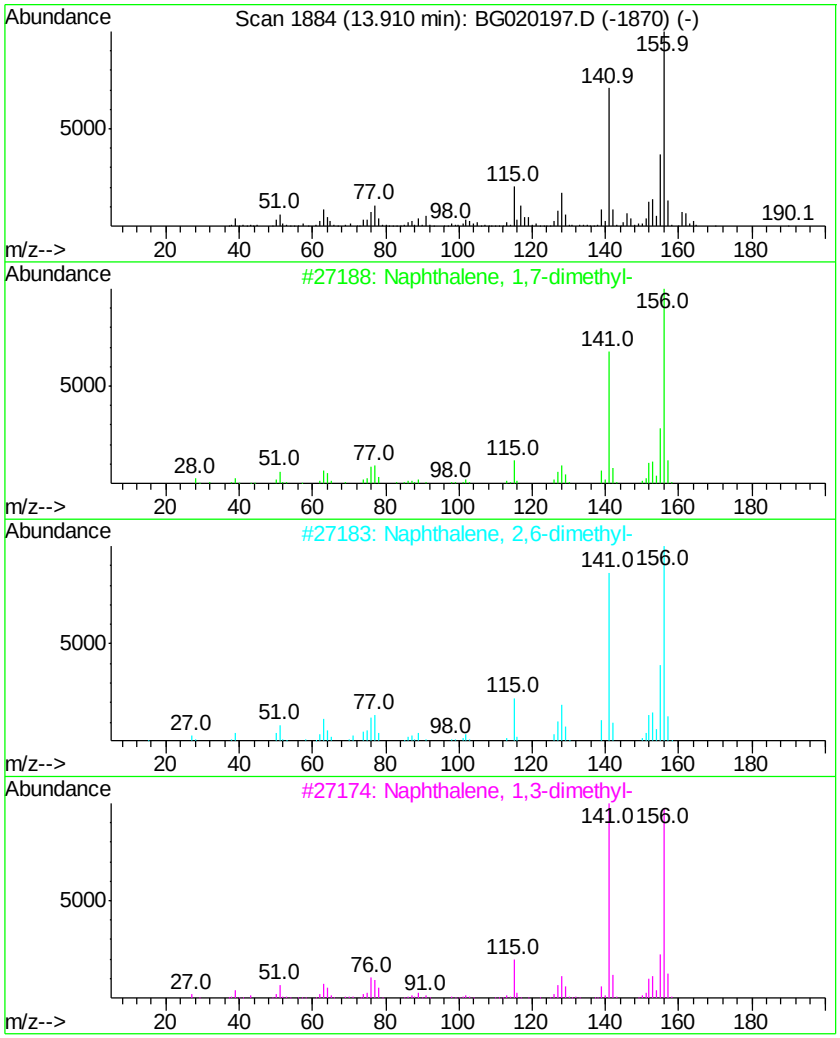
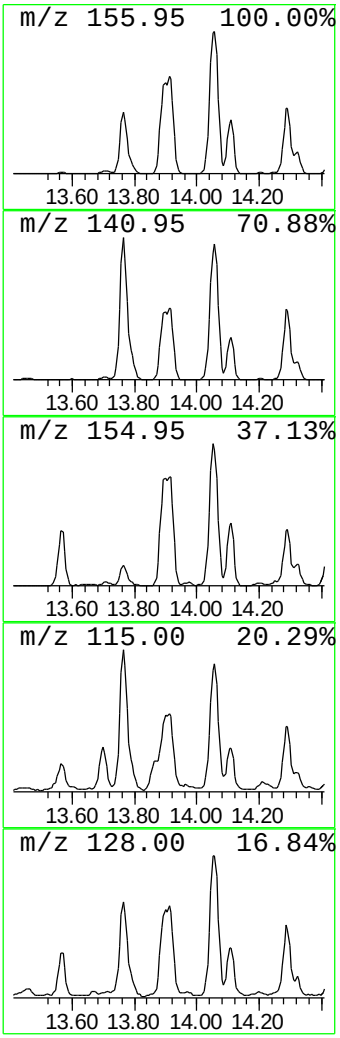
Peak Number 22 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	132.79 ng/ul	2179060	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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Instrument : BNA_G
ClientSampleId : G9BQ4

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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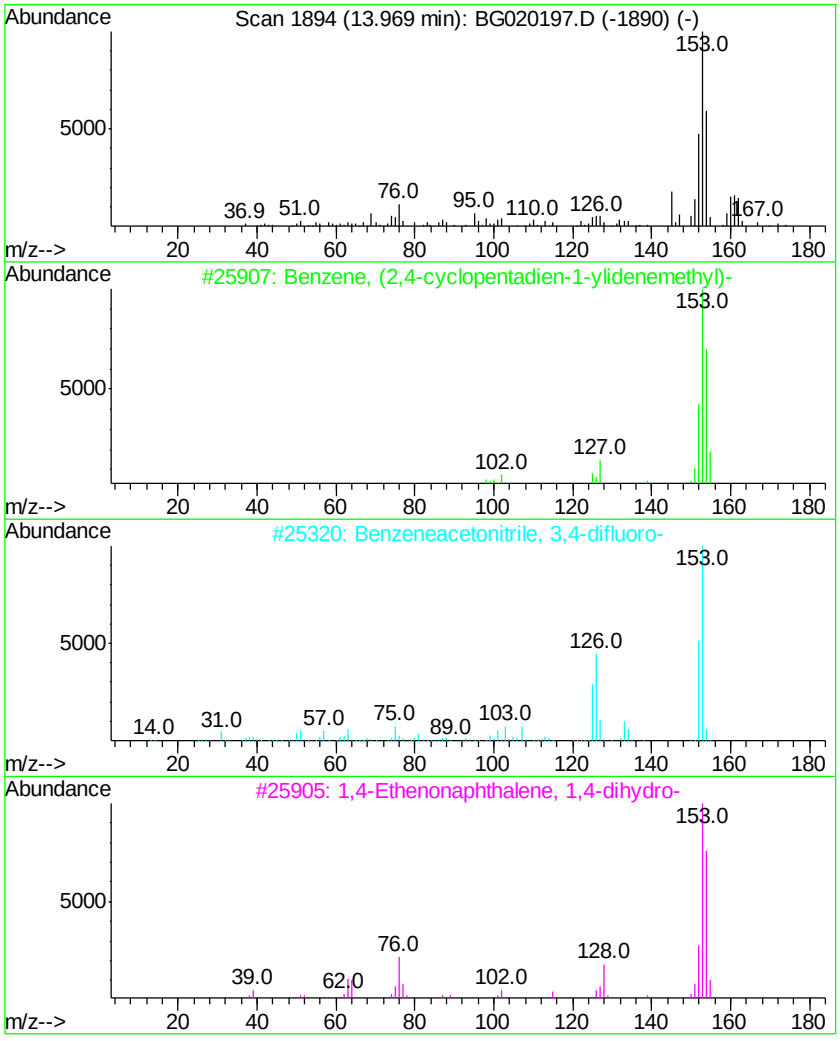
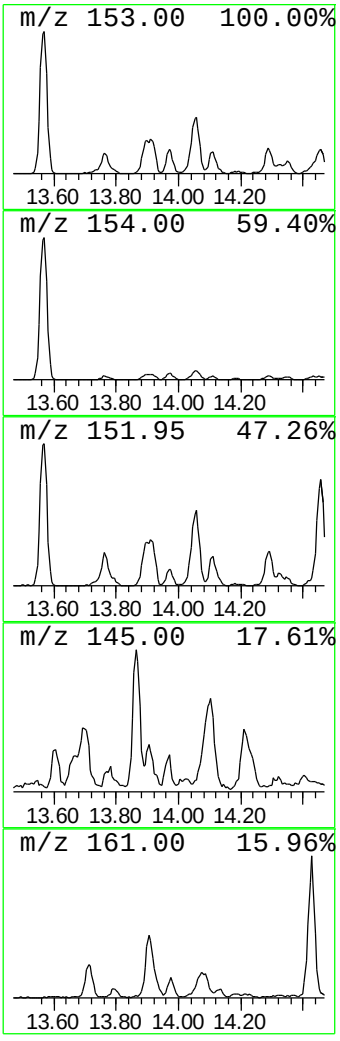
Peak Number 23 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	8.33 ng/ul	136763	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2,4-cyclopentadien-1-y...	154	C12H10	007338-50-3	49
2	Benzeneacetonitrile, 3,4-difluoro-	153	C8H5F2N	000658-99-1	46
3	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	38
4	Acenaphthene	154	C12H10	000083-32-9	35
5	2-Cyclohexen-3-ol-1-one, 2-[1-im...	153	C8H11NO2	1000131-52-4	32





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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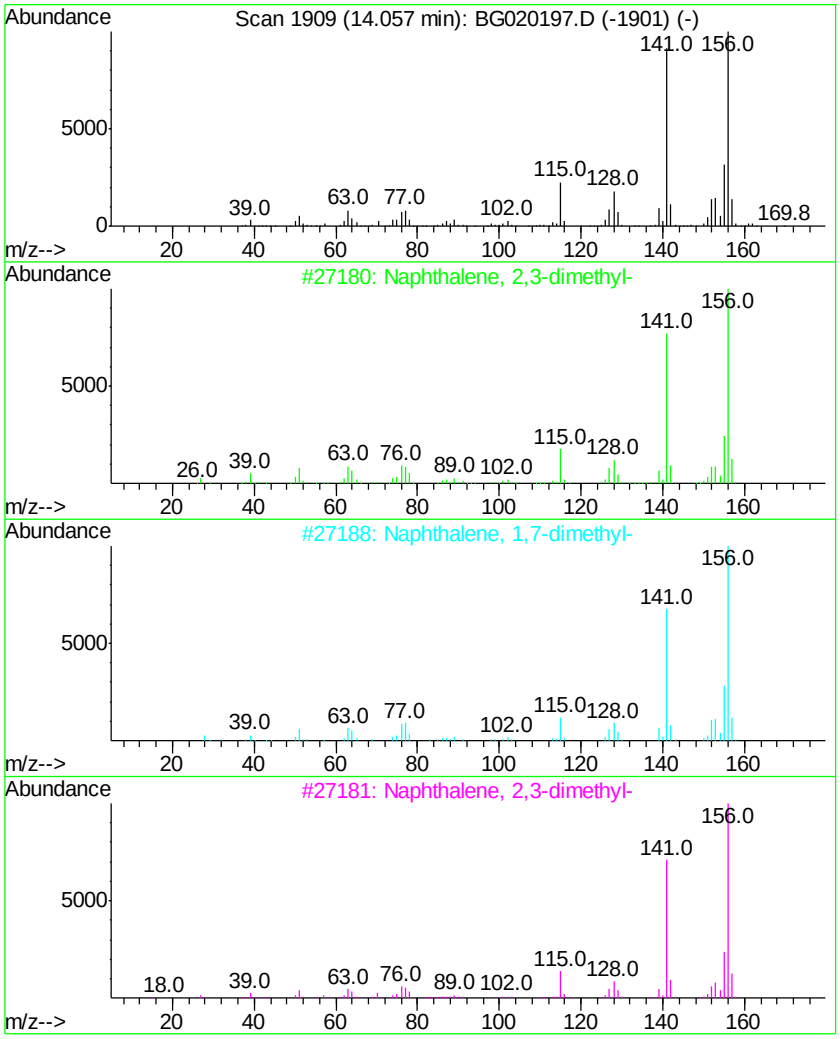
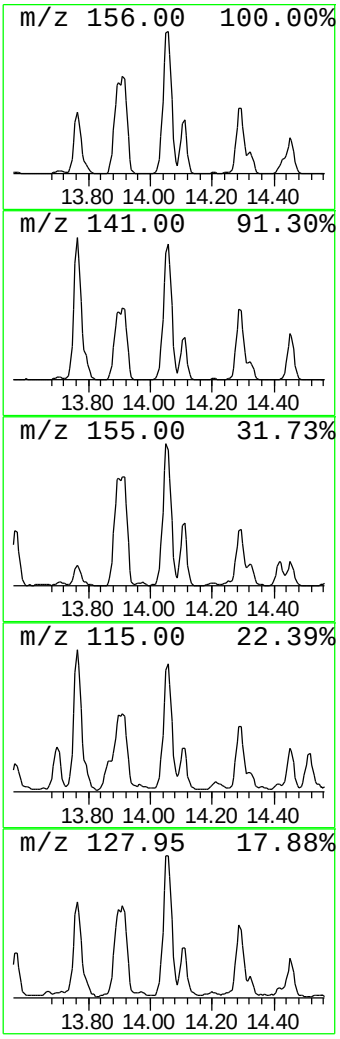
Peak Number 24 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	104.17 ng/ul	1709420	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

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Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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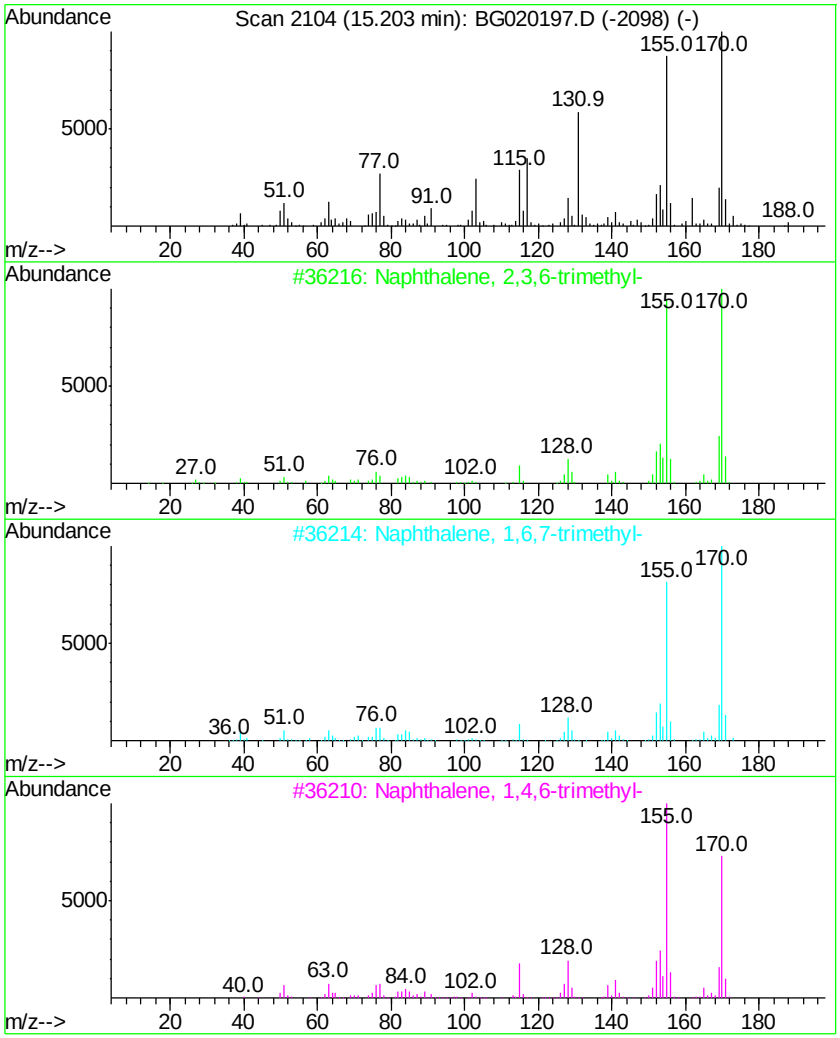
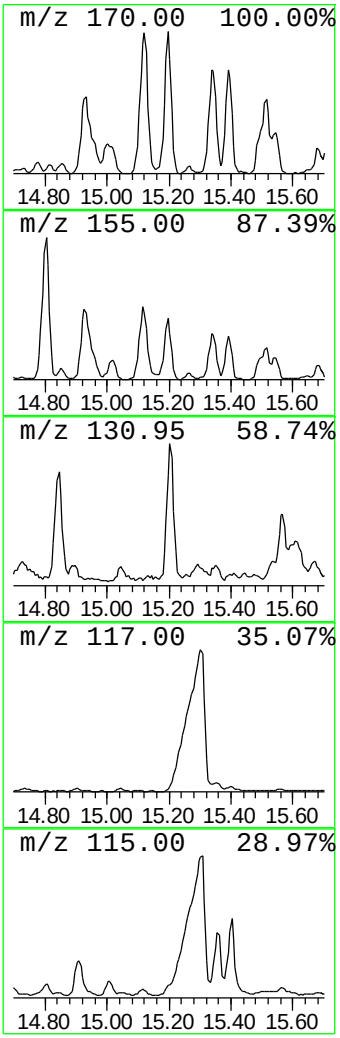
Peak Number 26 Naphthalene, 2,3,6-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	15.16 ng/ul	248786	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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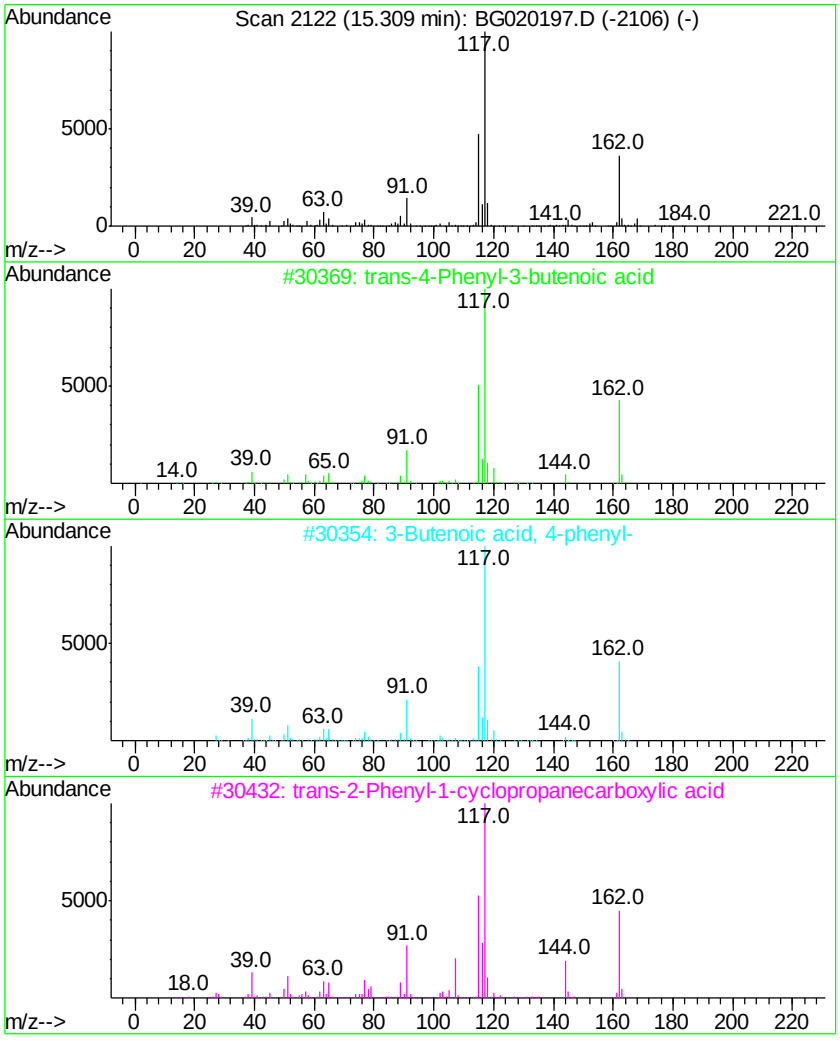
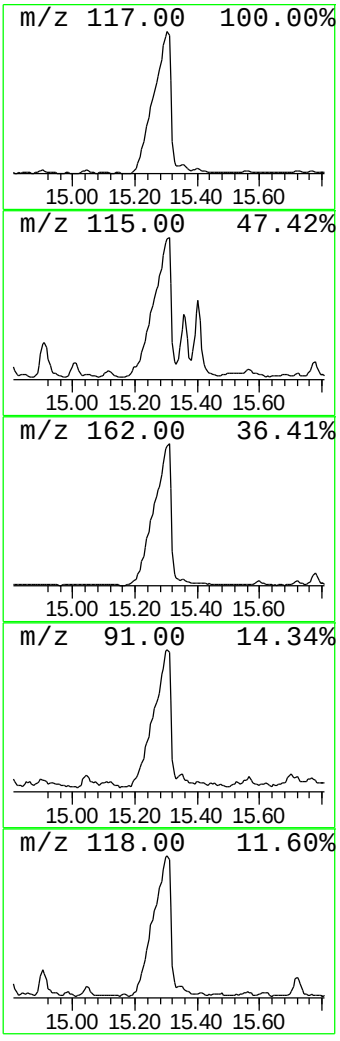
Peak Number 27 trans-4-Phenyl-3-butenoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	99.00 ng/ul	1624600	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	90
2	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	86
3	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	72
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	59
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59





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Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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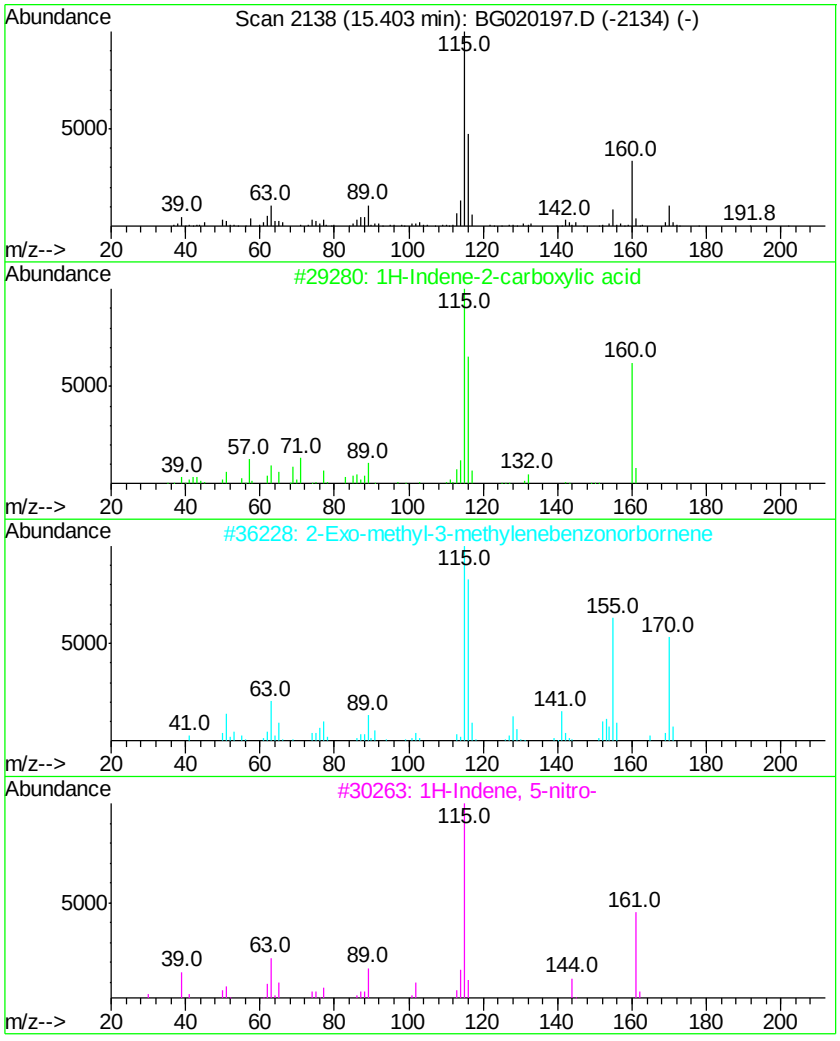
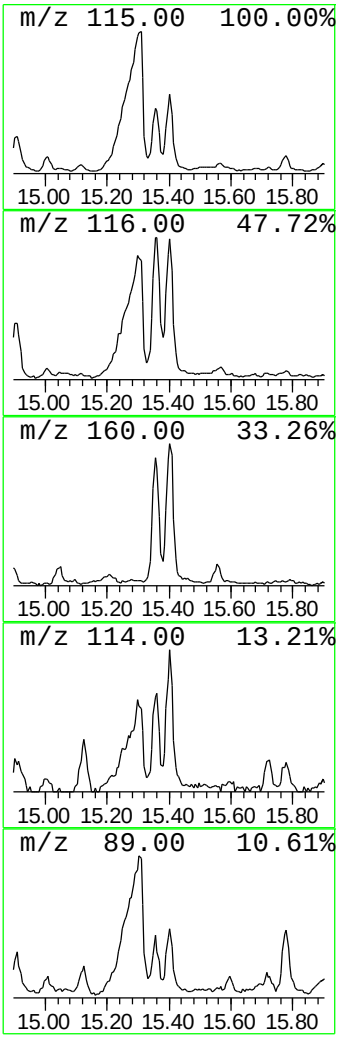
Peak Number 28 1H-Indene-2-carboxylic acid Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	20.77 ng/ul	340807	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-2-carboxylic acid	160	C10H8O2	041712-14-5	55
2	2-Exo-methyl-3-methylenebenzonor...	170	C13H14	151123-60-3	50
3	1H-Indene, 5-nitro-	161	C9H7NO2	041734-55-8	45
4	1,4-Epoxynaphthalene, 1,4-dihydro-	144	C10H8O	000573-57-9	43
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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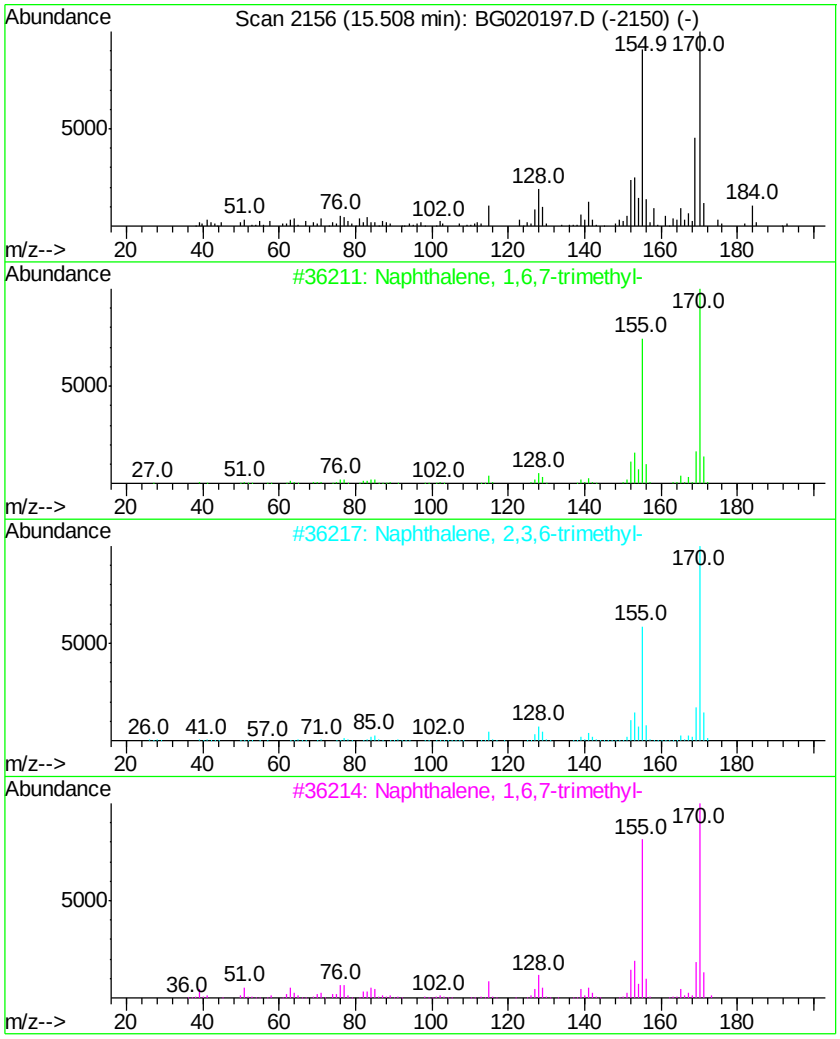
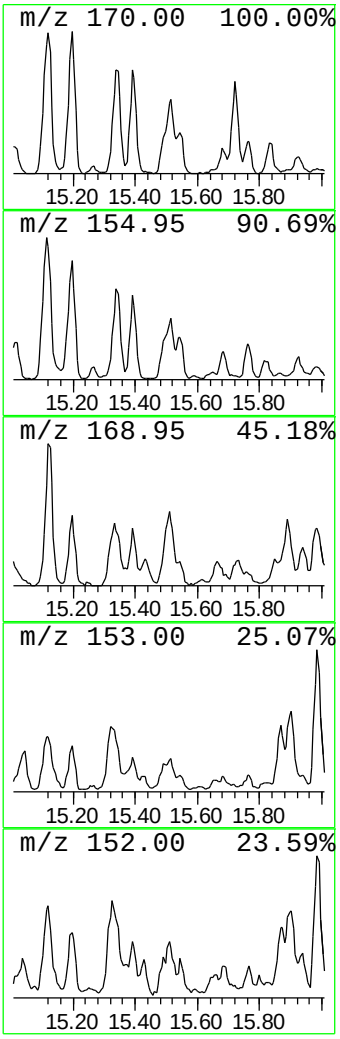
Peak Number 29 Naphthalene, 1,6,7-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	9.31 ng/ul	152820	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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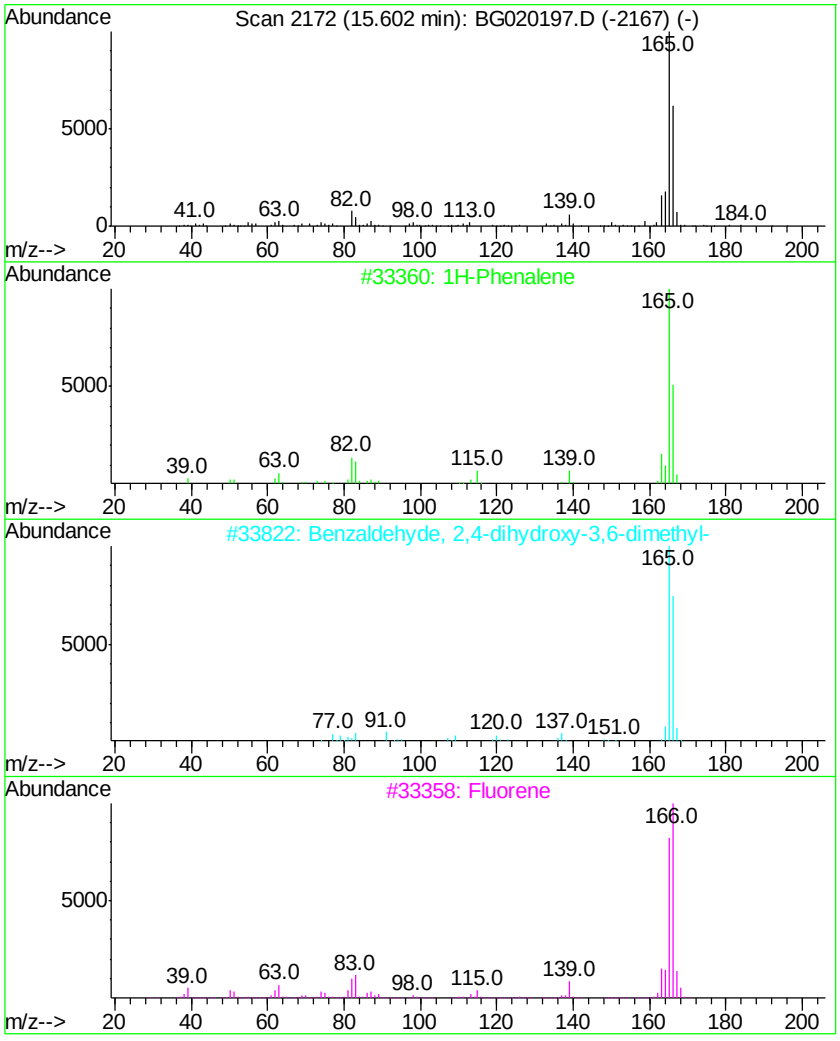
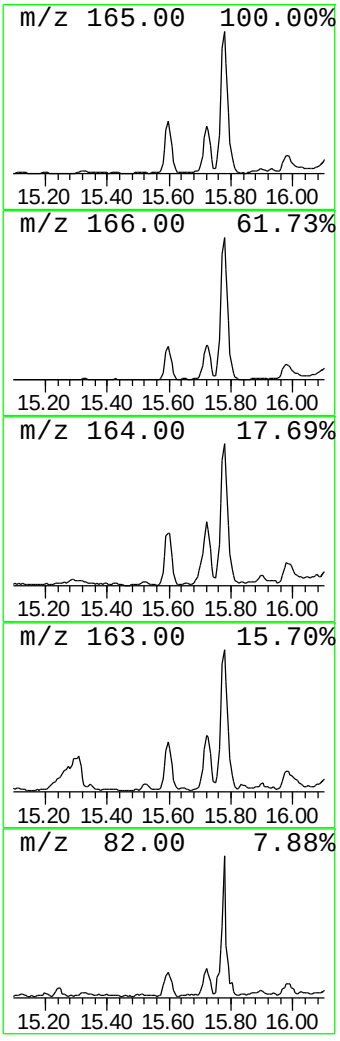
Peak Number 30 1H-Phenalene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	19.36 ng/ul	317758	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	72
2	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	72
3	Fluorene	166	C13H10	000086-73-7	70
4	Fluorene	166	C13H10	000086-73-7	52
5	Fluorene	166	C13H10	000086-73-7	49





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Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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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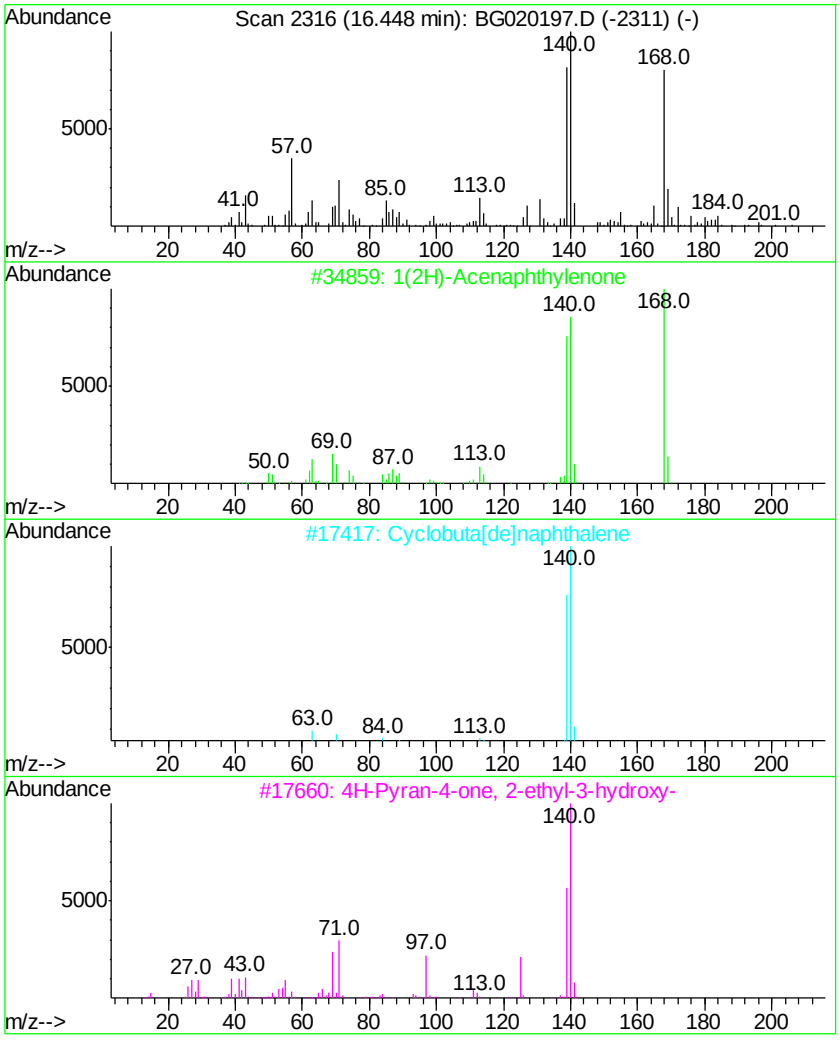
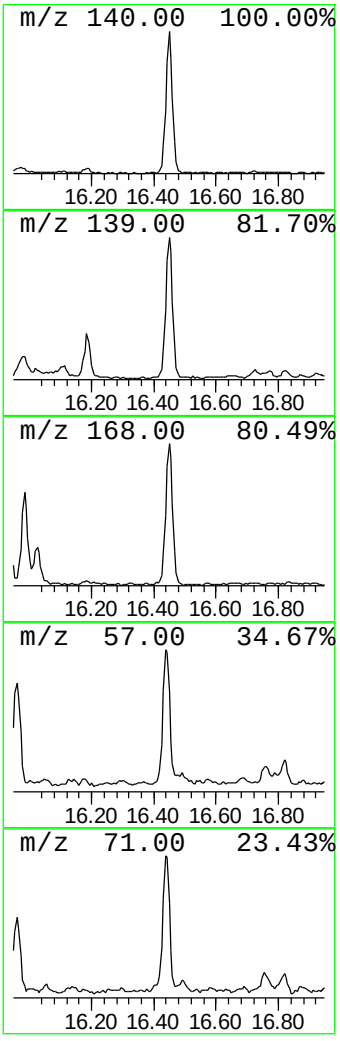
Peak Number 33 1(2H)-Acenaphthylenone Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	16.34 ng/ul	374517	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	46
3	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	46
4	3,6-Diethyl-1,2-dihydro-1,2,4,5-...	140	C6H12N4	068614-65-3	43
5	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

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
Benzene, 1,3-dime...	6.10	451.4	ng/ul	3634480	1	8.11	161041	20.0
Benzene, (1-methy...	6.57	57.8	ng/ul	465203	1	8.11	161041	20.0
Benzene, 1-ethyl-...	7.48	53.0	ng/ul	426779	1	8.11	161041	20.0
Benzene, 1,2,3-tr...	7.75	307.9	ng/ul	2478800	1	8.11	161041	20.0
Benzene, (2-bromo...	8.29	55.5	ng/ul	447331	1	8.11	161041	20.0
Indane	8.50	1594.9	ng/ul	12842200	1	8.11	161041	20.0
Benzene, 1,3-diet...	8.59	35.6	ng/ul	286922	1	8.11	161041	20.0
Indene	8.65	415.1	ng/ul	3342600	1	8.11	161041	20.0
Benzene, 2-ethyl-...	8.74	46.9	ng/ul	377611	1	8.11	161041	20.0
Benzene, 4-ethyl-...	9.21	75.0	ng/ul	603912	1	8.11	161041	20.0
Benzene, 2-etheny...	9.37	23.2	ng/ul	186501	1	8.11	161041	20.0
Benzofuran, 7-met...	9.46	56.6	ng/ul	455664	1	8.11	161041	20.0
7-Methylindan-1-one	13.19	11.7	ng/ul	191747	3	14.73	328187	20.0
Bicyclo[4.2.0]oct...	13.70	25.3	ng/ul	414709	3	14.73	328187	20.0
Naphthalene, 1-et...	13.76	73.5	ng/ul	1206000	3	14.73	328187	20.0
Naphthalene, 1,7-...	13.91	132.8	ng/ul	2179060	3	14.73	328187	20.0
unknown-01	13.97	8.3	ng/ul	136763	3	14.73	328187	20.0
Naphthalene, 2,3-...	14.06	104.2	ng/ul	1709420	3	14.73	328187	20.0
Naphthalene, 2,3,...	15.20	15.2	ng/ul	248786	3	14.73	328187	20.0
trans-4-Phenyl-3-...	15.31	99.0	ng/ul	1624600	3	14.73	328187	20.0
1H-Indene-2-carbo...	15.40	20.8	ng/ul	340807	3	14.73	328187	20.0
Naphthalene, 1,6,...	15.51	9.3	ng/ul	152820	3	14.73	328187	20.0
1H-Phenalene	15.60	19.4	ng/ul	317758	3	14.73	328187	20.0
1(2H)-Acenaphthyl...	16.45	16.3	ng/ul	374517	4	17.47	458480	20.0