LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.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	3.899	133	138	148	rBB	39128	55333	0.45%	0.128%
2	5.216	355	362	371	rBV	891176	1388979	11.33%	3.216%
3	5.363	378	387	396	rBB	238886	523657	4.27%	1.212%
4	5.710	440	446	454	rBB	249074	388801	3.17%	0.900%
5	6.187	522	527	534	rBB	84387	123902	1.01%	0.287%
6	6.787	623	629	634	rBV	67597	94850	0.77%	0.220%
7	6.846	634	639	648	rVV2	112727	203723	1.66%	0.472%
8	6.922	648	652	657	rVB	27716	40147	0.33%	0.093%
9	7.034	665	671	676	rBV	88291	137764	1.12%	0.319%
10	7.087	676	680	686	rVB	57468	82809	0.68%	0.192%
11	7.228	699	704	711	rBB	98578	151040	1.23%	0.350%
12	7.346	718	724	732	rVV2	177951	315141	2.57%	0.730%
13	7.698	778	784	794	rBB	83602	135900	1.11%	0.315%
14	7.810	795	803	810	rBV	179832	284452	2.32%	0.659%
15	8.081	839	849	855	rBV	3087316	5664093	46.21%	13.113%
16	8.187	862	867	869	rBV	24936	33440	0.27%	0.077%
17	8.234	869	875	883	rVB	780744	1241231	10.13%	2.874%
18	8.404	897	904	911	rBB	83587	133550	1.09%	0.309%
19	8.798	965	971	975	rBV	60575	87739	0.72%	0.203%
20	8.857	975	981	990	rVB2	134515	301630	2.46%	0.698%
21	9.045	1008	1013	1022	rBB2	43804	74671	0.61%	0.173%
22	9.169	1023	1034	1040	rBV	62813	139251	1.14%	0.322%
23	9.234	1040	1045	1051	rVB	27354	40517	0.33%	0.094%
24	9.375	1064	1069	1075	rBB	22849	35068	0.29%	0.081%
25	9.575	1098	1103	1109	rVB	107406	168860	1.38%	0.391%
26	9.739	1125	1131	1137	rVB	205933	324737	2.65%	0.752%
27	9.887	1148	1156	1167	rBV3	340826	937107	7.64%	2.170%
28	9.992	1167	1174	1178	rBV	286874	611146	4.99%	1.415%
29	10.116	1189	1195	1203	rBV	195535	334244	2.73%	0.774%
30	10.192	1203	1208	1213	rVB	31311	47134	0.38%	0.109%
31	10.575	1261	1273	1278	rVB	4592487	12258266	100.00%	28.380%
32	10.663	1280	1288	1296	rVB	288168	456431	3.72%	1.057%
33	11.092	1352	1361	1367	rBV3	30518	63250	0.52%	0.146%
34	11.328	1393	1401	1410	rVV2	27184	63331	0.52%	0.147%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Title : SVOA CALIBRATION

35	11.528	1426	1435	1439	rBV	15795	31156	0.25%	0.072%
36	11.592	1439	1446	1450	rVV6	22539	54872	0.45%	0.127%
37	11.681	1456	1461	1470	rVB	25465	46072	0.38%	0.107%
38	11.875	1488	1494	1504	rBV2	75578	134784	1.10%	0.312%
39	12.051	1519	1524	1529	rVV	44188	76349	0.62%	0.177%
40	12.157	1535	1542	1549	rVV	1052059	1697794	13.85%	3.931%
41	12.275	1556	1562	1568	rVB2	34677	68534	0.56%	0.159%
42	12.380	1568	1580	1587	rBV	1034557	1704098	13.90%	3.945%
43	12.551	1603	1609	1615	rVV2	48551	91998	0.75%	0.213%
44	12.757	1638	1644	1649	rVV2	29361	47812	0.39%	0.111%
45	13.175	1711	1715	1731	rVB	140189	223810	1.83%	0.518%
46	13.310	1733	1738	1743	rBV2	29309	42815	0.35%	0.099%
47	13.375	1743	1749	1760	rVB	121867	214435	1.75%	0.496%
48	13.522	1760	1774	1780	rBV6	74566	248898	2.03%	0.576%
49	13.580	1780	1784	1788	rVV4	19173	35669	0.29%	0.083%
50	13.669	1793	1799	1804	rVV	133471	251405	2.05%	0.582%
51	13.722	1804	1808	1810	rVV	70909	107134	0.87%	0.248%
52	13.763	1810	1815	1820	rVB	332281	487568	3.98%	1.129%
53	13.845	1820	1829	1834	rVB2	29891	47877	0.39%	0.111%
54	13.904	1834	1839	1843	rBV	67023	101316	0.83%	0.235%
55	13.939	1843	1845	1853	rVV3	25074	36468	0.30%	0.084%
56	14.039	1856	1862	1874	rVB	418667	746708	6.09%	1.729%
57	14.145	1874	1880	1891	rBV	53395	90850	0.74%	0.210%
58	14.351	1900	1915	1920	rBV3	244109	424689	3.46%	0.983%
59	14.416	1920	1926	1932	rVB	621761	917223	7.48%	2.124%
60	14.469	1932	1935	1942	rVB2	19820	34332	0.28%	0.079%
61	14.563	1942	1951	1958	rVB3	47205	99630	0.81%	0.231%
62	14.751	1978	1983	1992	rVB2	32706	56237	0.46%	0.130%
63	14.839	1992	1998	2007	rVB2	49030	83686	0.68%	0.194%
64	14.951	2013	2017	2025	rBV6	34474	72851	0.59%	0.169%
65	15.221	2058	2063	2069	rVB	60998	87363	0.71%	0.202%
66	15.345	2078	2084	2089	rBV	546485	773890	6.31%	1.792%
67	15.398	2089	2093	2101	rVB	232435	359688	2.93%	0.833%
68	15.469	2101	2105	2111	rBV	169729	239826	1.96%	0.555%
69	15.551	2117	2119	2123	rVB3	27002	33267	0.27%	0.077%
70	15.610	2123	2129	2132	rBV6	42385	93835	0.77%	0.217%
71	15.786	2154	2159	2160	rBV2	30838	41674	0.34%	0.096%

LSC Area Percent Report

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Data File : BM003671.D
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Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Title : SVOA CALIBRATION

72	15.816	2160	2164	2170	rVV3	79966	135829	1.11%	0.314%
73	15.916	2177	2181	2189	rVB	27482	42429	0.35%	0.098%
74	16.074	2204	2208	2215	rVV4	19332	33482	0.27%	0.078%
75	16.280	2238	2243	2250	rBV3	21615	43587	0.36%	0.101%
76	16.363	2250	2257	2261	rVV	59502	97020	0.79%	0.225%
77	16.404	2261	2264	2268	rVB2	23061	31681	0.26%	0.073%
78	16.457	2268	2273	2278	rVB3	18488	30277	0.25%	0.070%
79	16.633	2298	2303	2308	rVB	25876	38891	0.32%	0.090%
80	16.915	2347	2351	2354	rBV	28070	40604	0.33%	0.094%
81	16.951	2354	2357	2361	rVB	40957	50102	0.41%	0.116%
82	16.992	2361	2364	2372	rVB3	21502	34330	0.28%	0.079%
83	17.098	2377	2382	2385	rBV	320830	445075	3.63%	1.030%
84	17.139	2385	2389	2394	rVB	387438	514263	4.20%	1.191%
85	17.198	2394	2399	2403	rBV	578872	820775	6.70%	1.900%
86	17.298	2410	2416	2421	rBV3	22116	39536	0.32%	0.092%
87	17.504	2447	2451	2456	rVB	90952	119575	0.98%	0.277%
88	17.974	2527	2531	2532	rBV	32371	36715	0.30%	0.085%
89	17.998	2532	2535	2537	rBV	58027	65142	0.53%	0.151%
90	18.098	2548	2552	2557	rVB3	30659	44869	0.37%	0.104%
91	18.168	2557	2564	2568	rBV2	60117	107276	0.88%	0.248%
92	18.204	2568	2570	2575	rVB	26047	29786	0.24%	0.069%
93	18.904	2681	2689	2694	rBV5	20667	40344	0.33%	0.093%
94	19.162	2729	2733	2739	rVB	59529	78689	0.64%	0.182%
95	19.280	2747	2753	2756	rBV3	36772	50298	0.41%	0.116%
96	19.309	2756	2758	2763	rVB	25221	33078	0.27%	0.077%
97	19.498	2784	2790	2802	rVB2	752544	1164041	9.50%	2.695%
98	21.292	3090	3095	3100	rBV	485726	632891	5.16%	1.465%
99	23.397	3445	3453	3460	rBV	562437	1024701	8.36%	2.372%
100	23.539	3470	3477	3484	rBV	284352	519264	4.24%	1.202%

Sum of corrected areas: 43193357

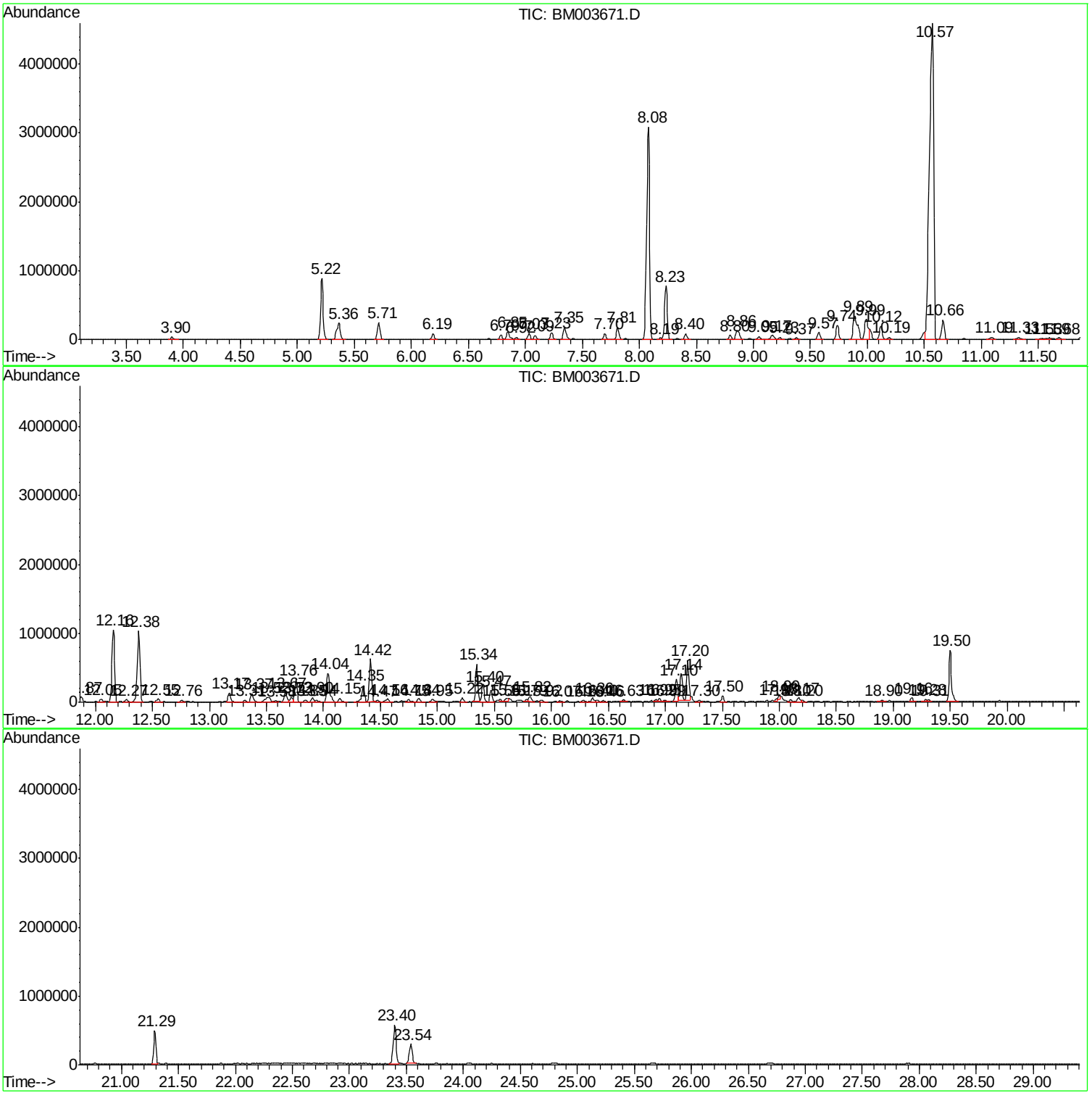
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
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Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

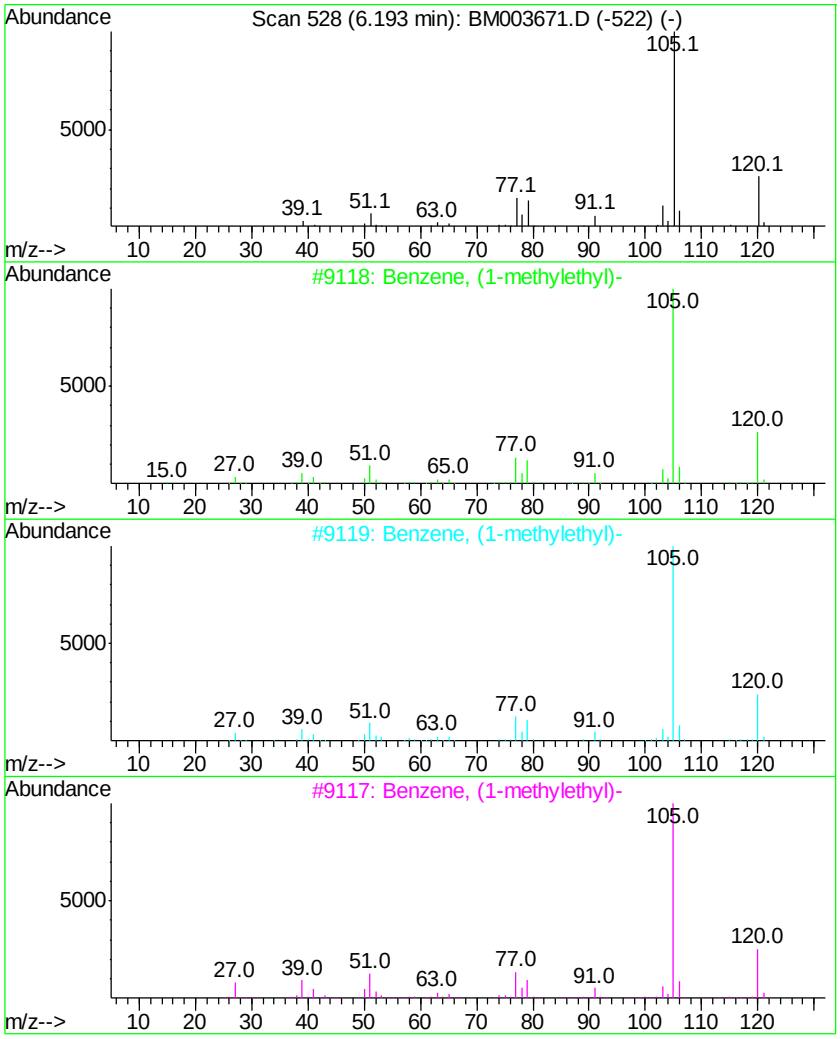
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

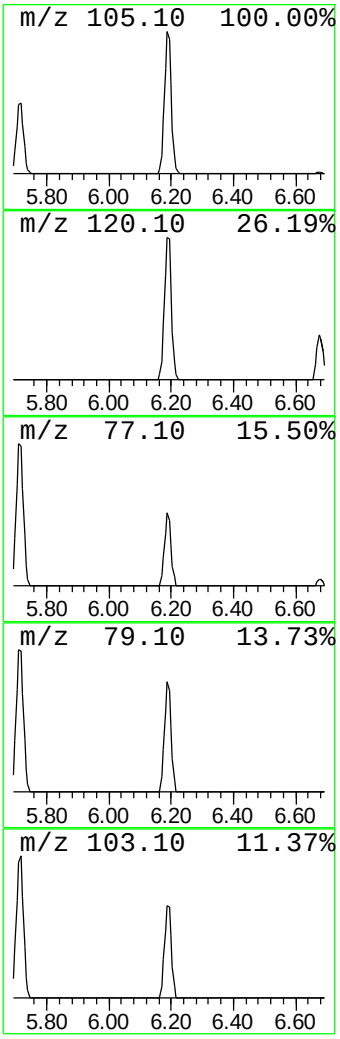
****

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	18.23 ng/ul	123902	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

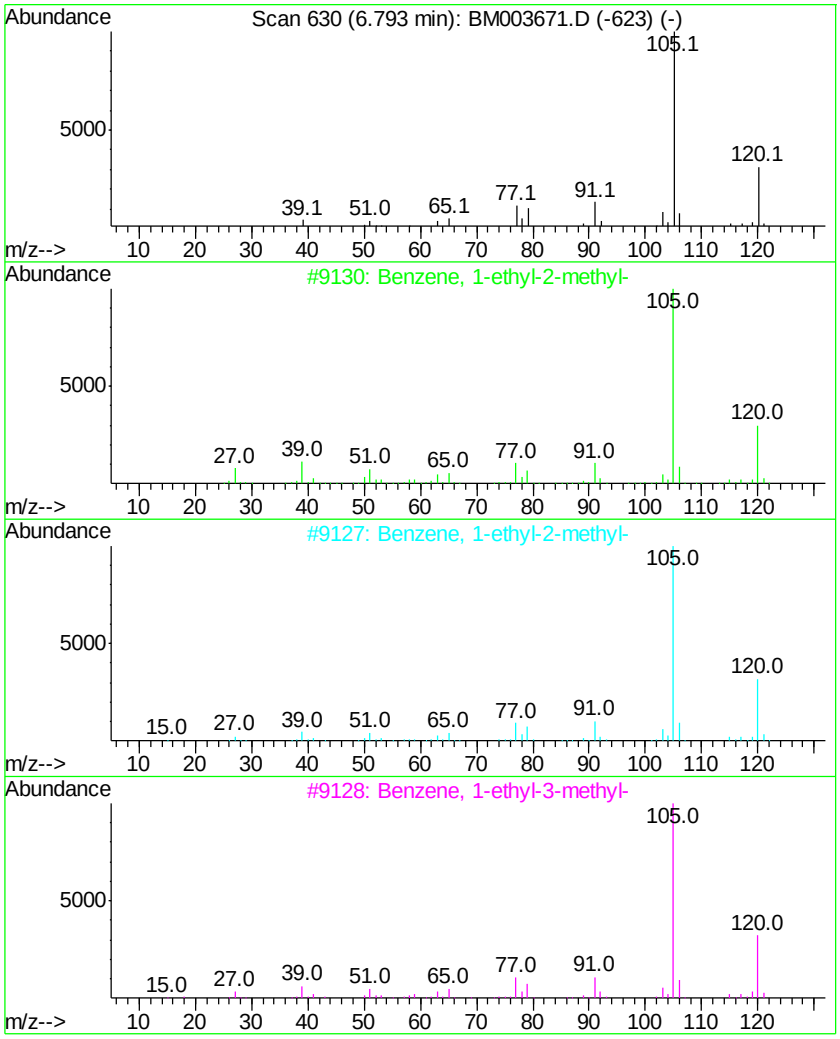
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

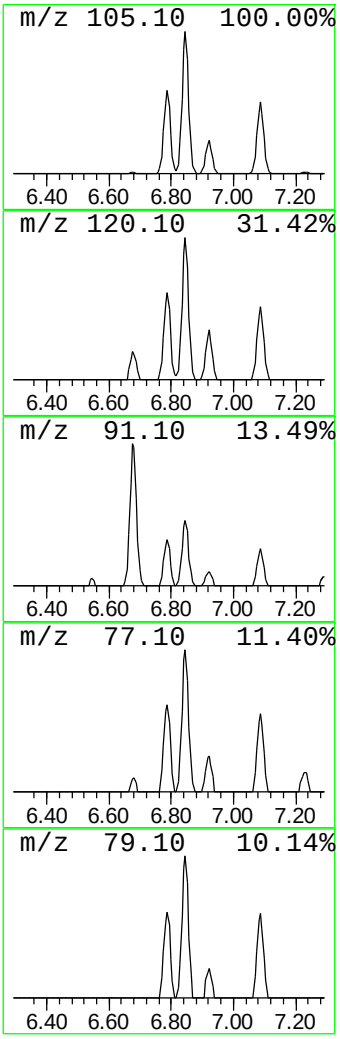
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	13.96 ng/ul	94850	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

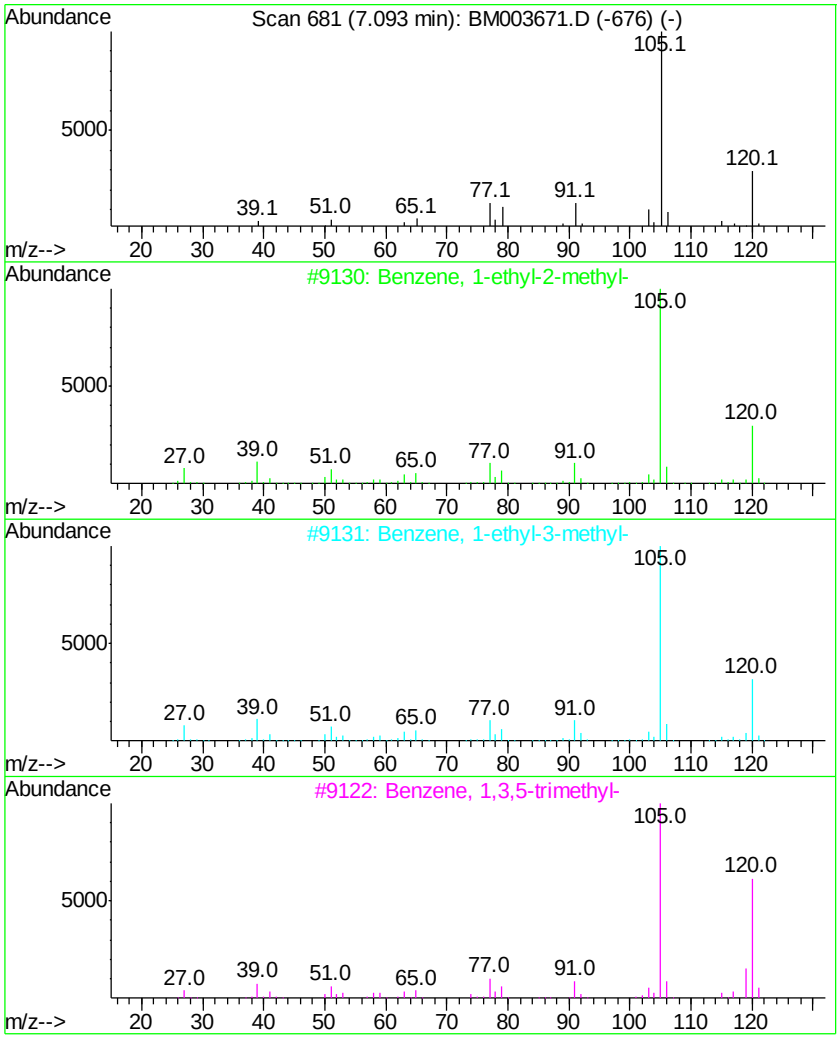
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

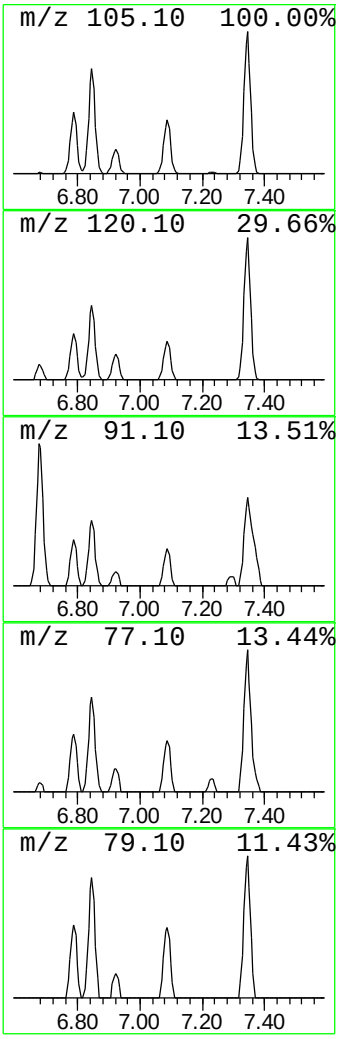
****

Peak Number 7 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	12.19 ng/ul	82809	1,4-Dichlorobenzene-d4	7.70

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

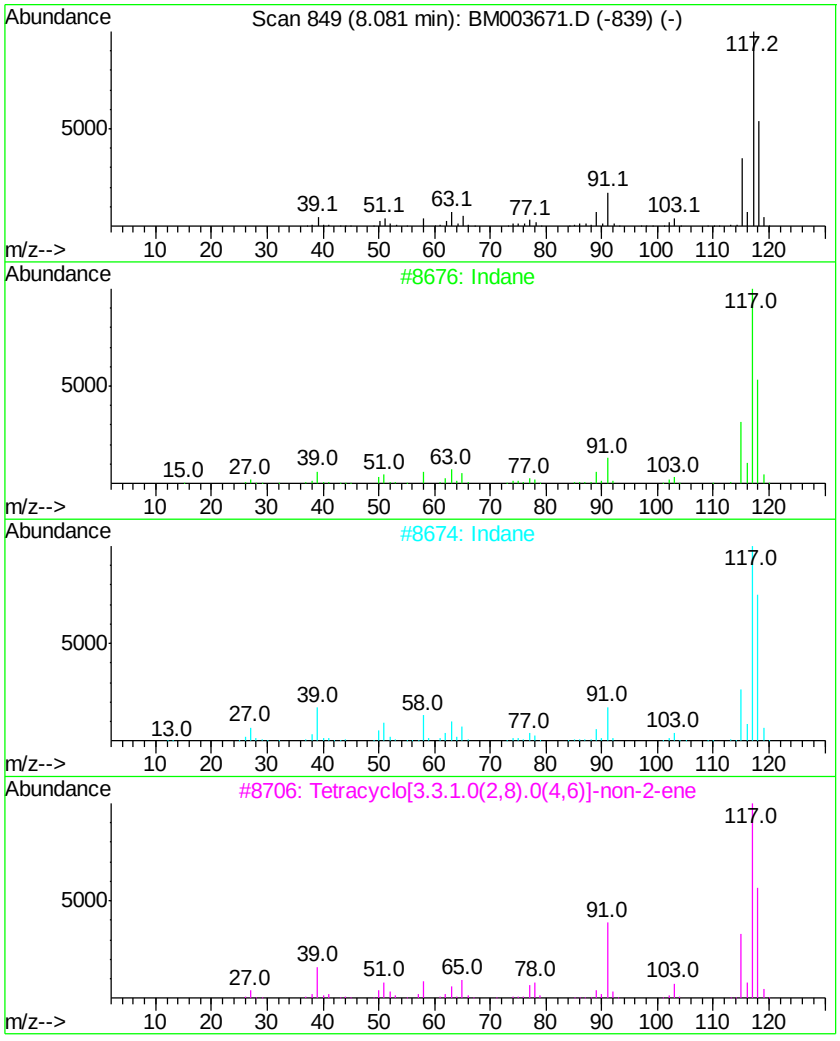
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

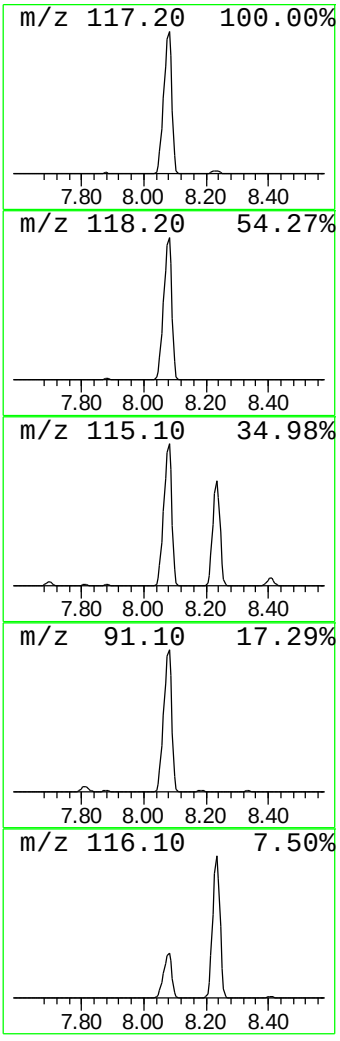
****

Peak Number 10 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	833.57 ng/ul	5664090	1,4-Dichlorobenzene-d4	7.70

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	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Indane	118	C9H10	000496-11-7	64
5	Indane	118	C9H10	000496-11-7	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

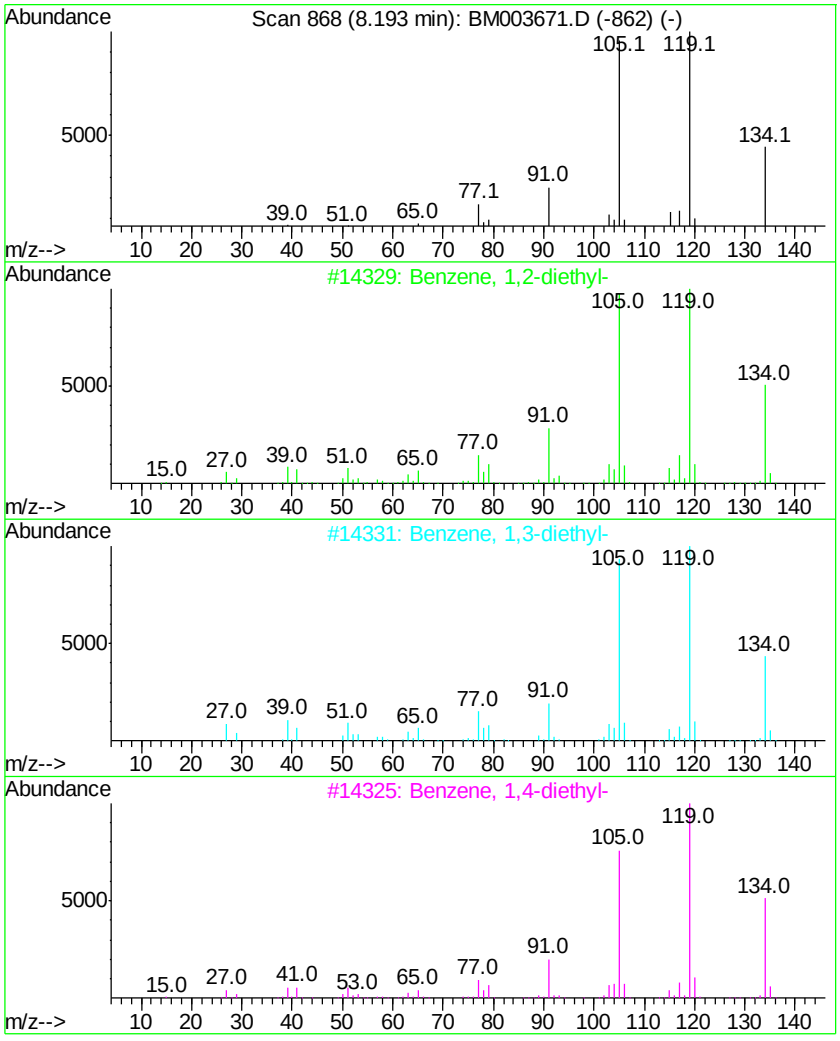
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

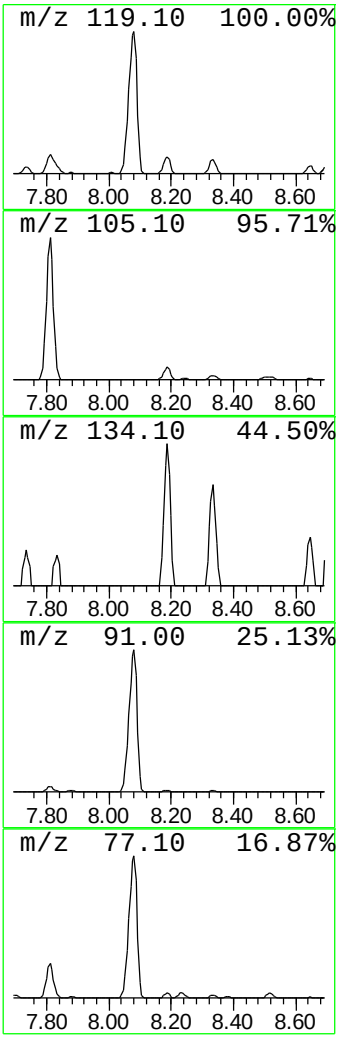
****

Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	4.92 ng/ul	33440	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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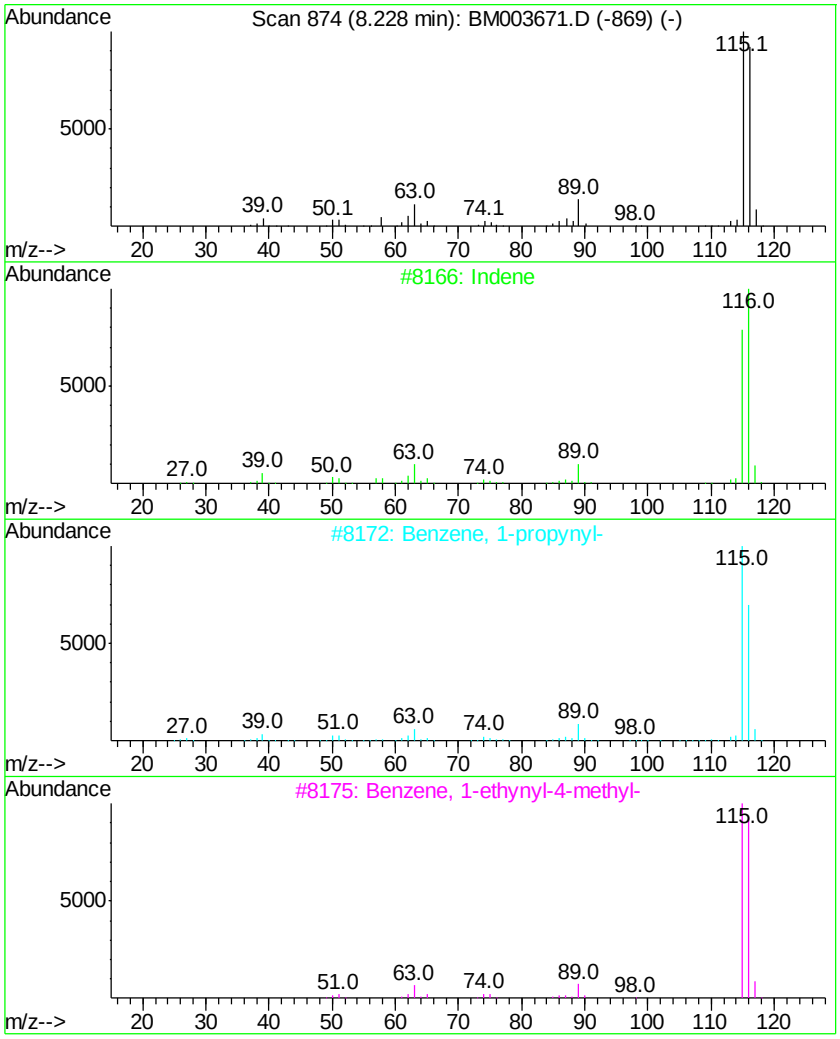
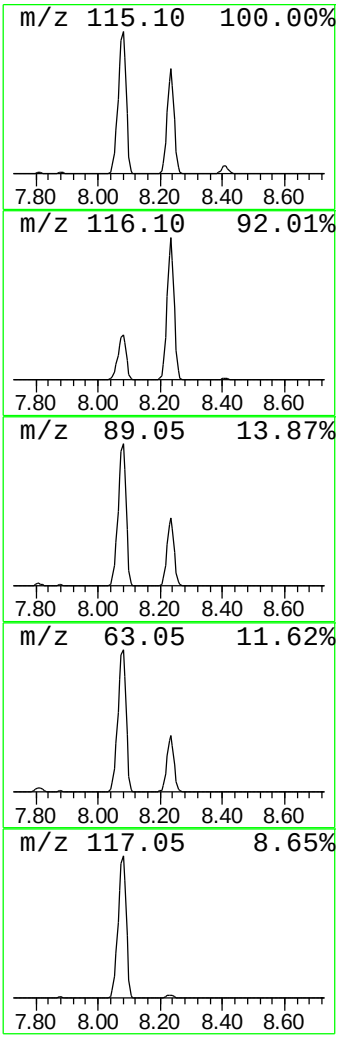
Peak Number 12 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	182.67 ng/ul	1241230	1,4-Dichlorobenzene-d4	7.70

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	95
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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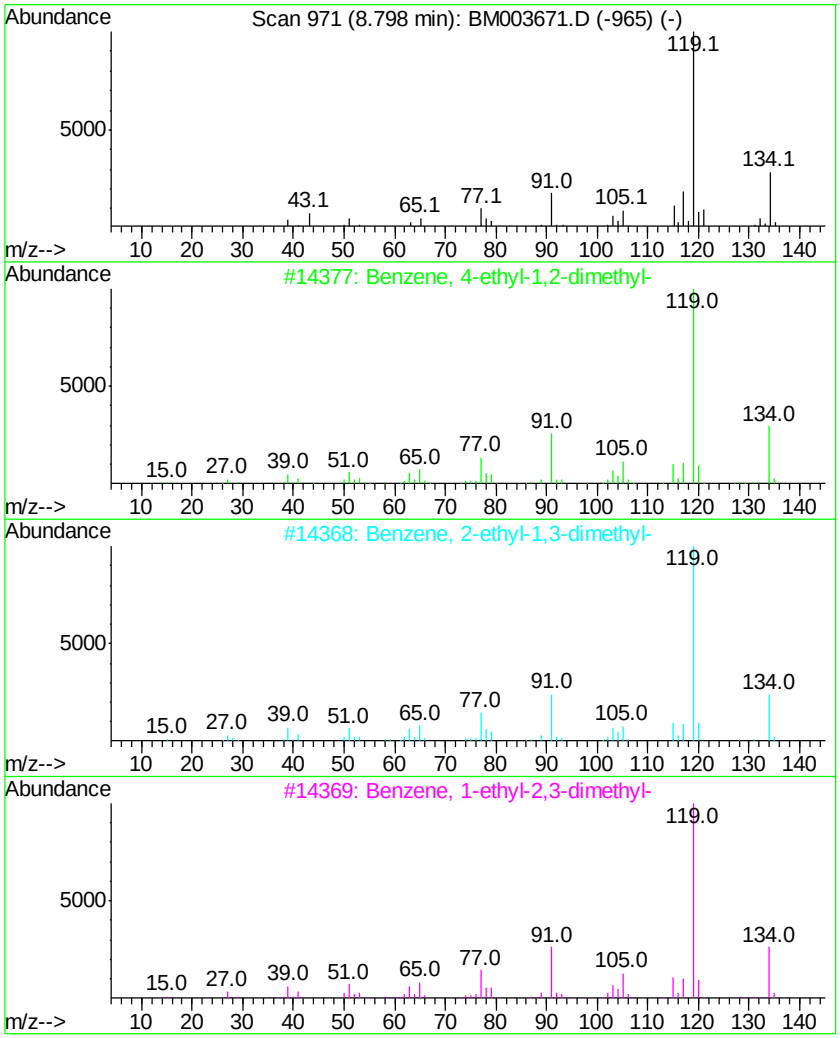
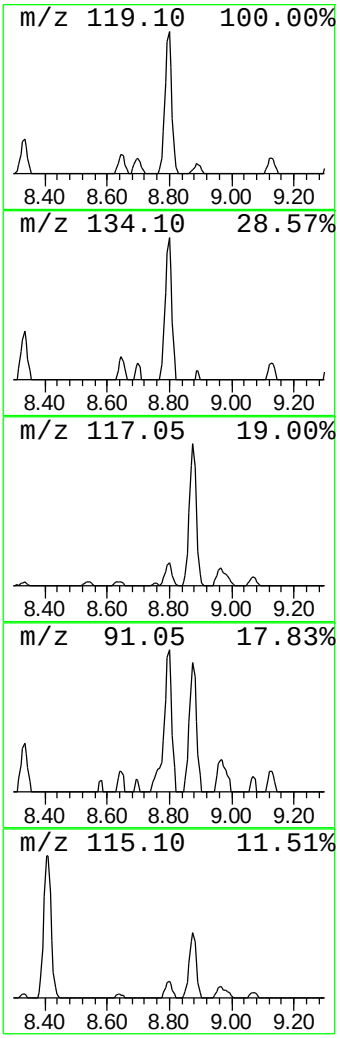
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	12.91 ng/ul	87739	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87





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Instrument : BNA_M
ClientSampleId : G9DB4

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Quant Title : SVOA CALIBRATION

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

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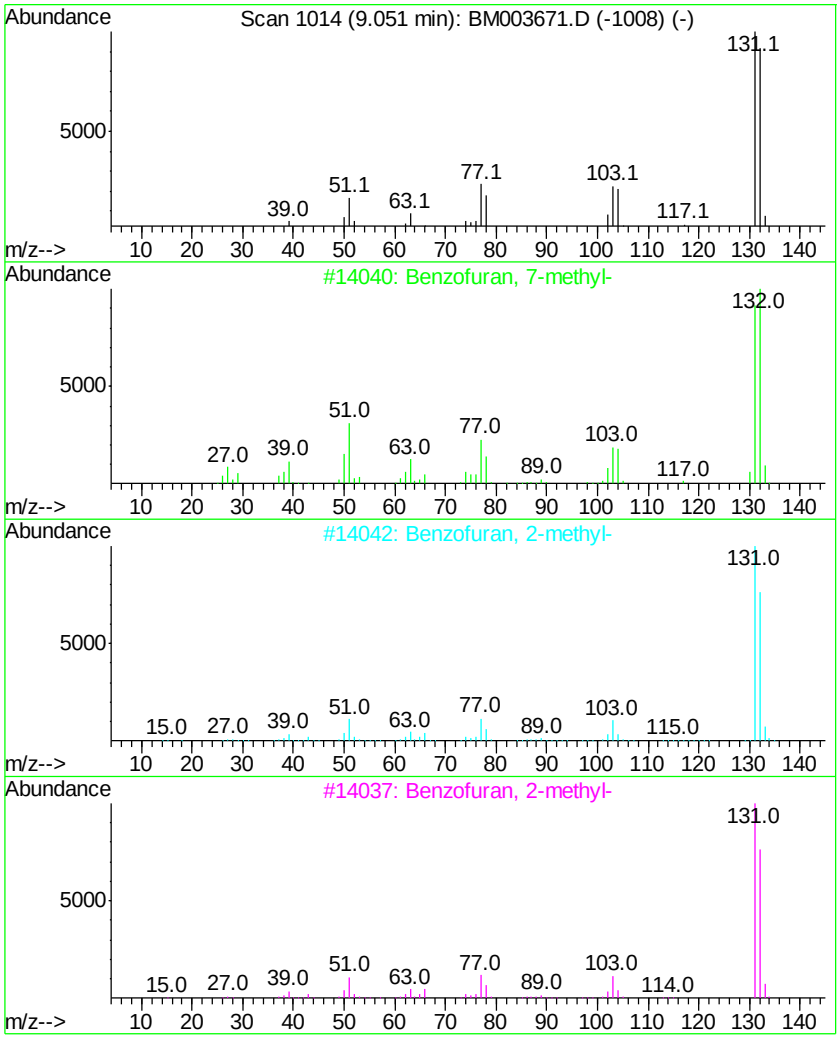
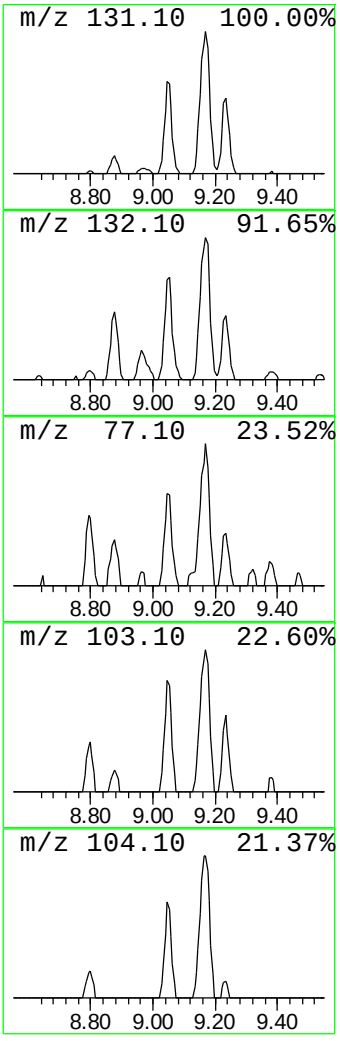
Peak Number 14 Benzofuran, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	10.99 ng/ul	74671	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





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Misc :
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Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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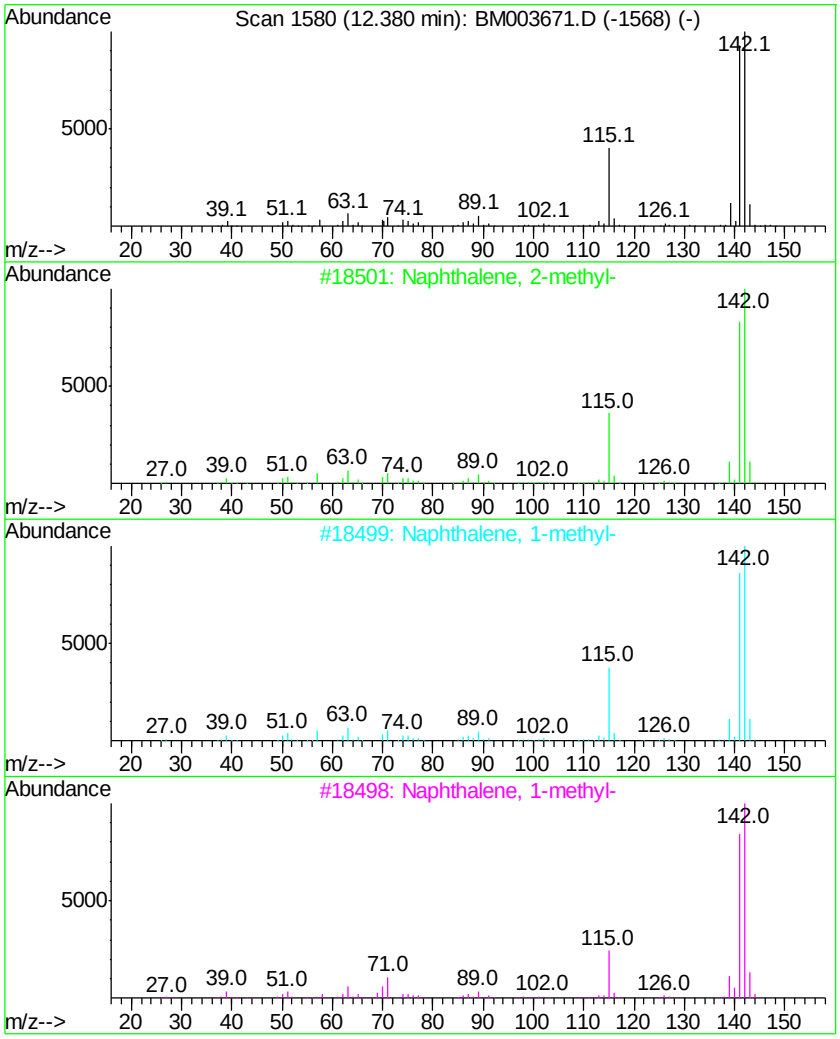
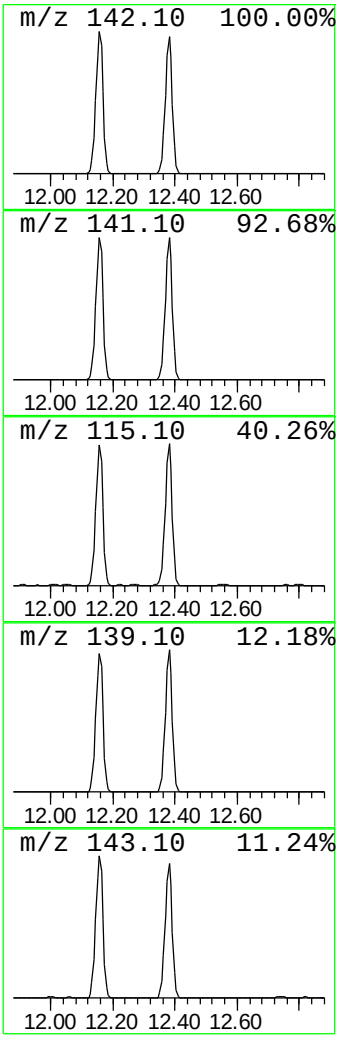
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.78 ng/ul	1704100	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Instrument : BNA_M
ClientSampleId : G9DB4

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Quant Title : SVOA CALIBRATION

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

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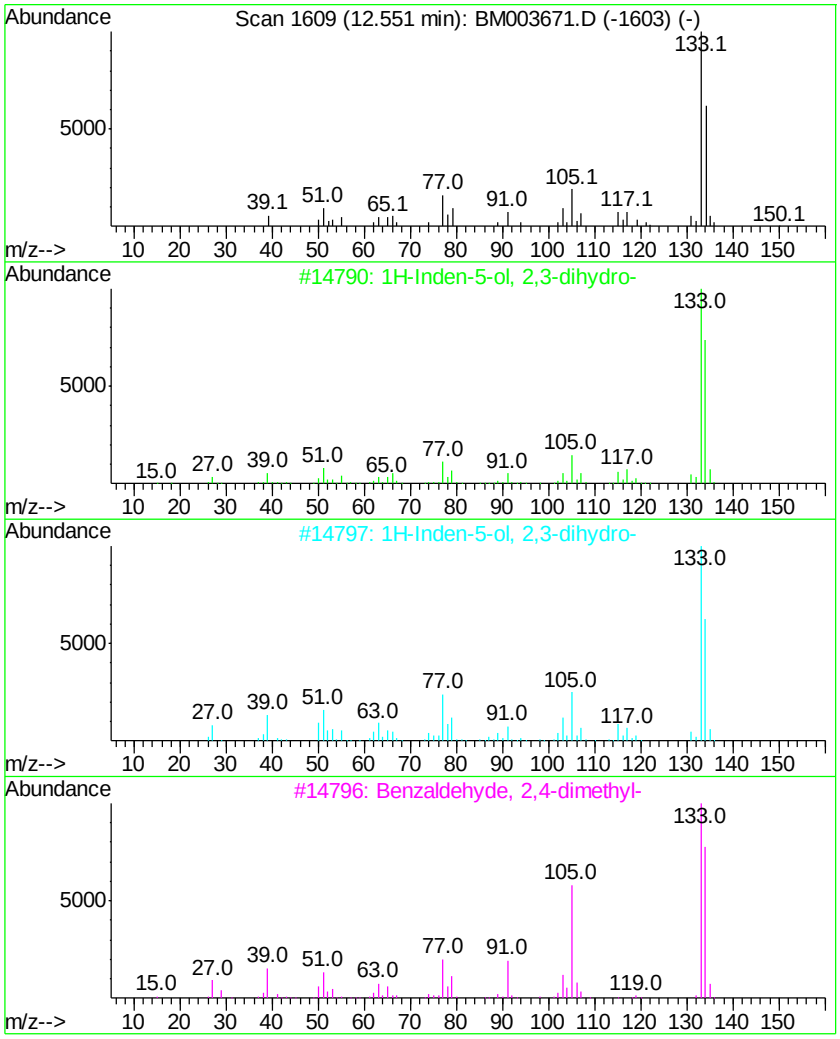
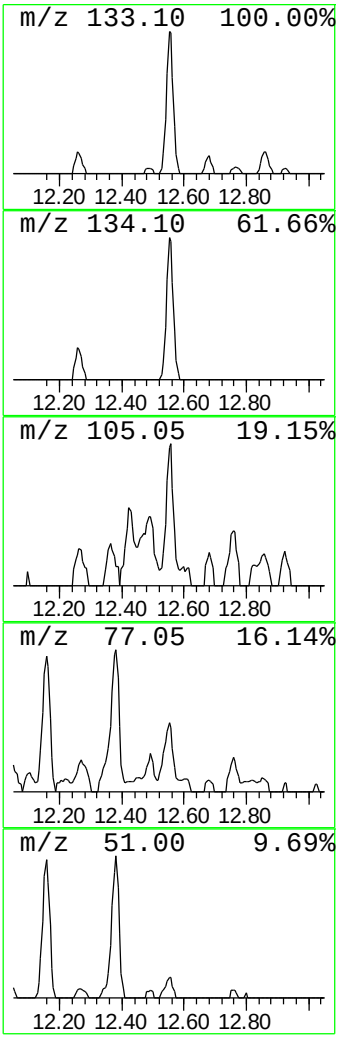
Peak Number 16 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.33 ng/ul	91998	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	94
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	94
3	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	72
4	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	72
5	Nicotinonitrile, 1-ethyl-1,4-dih...	134	C8H10N2	019424-16-9	64





Library Search Compound Report

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Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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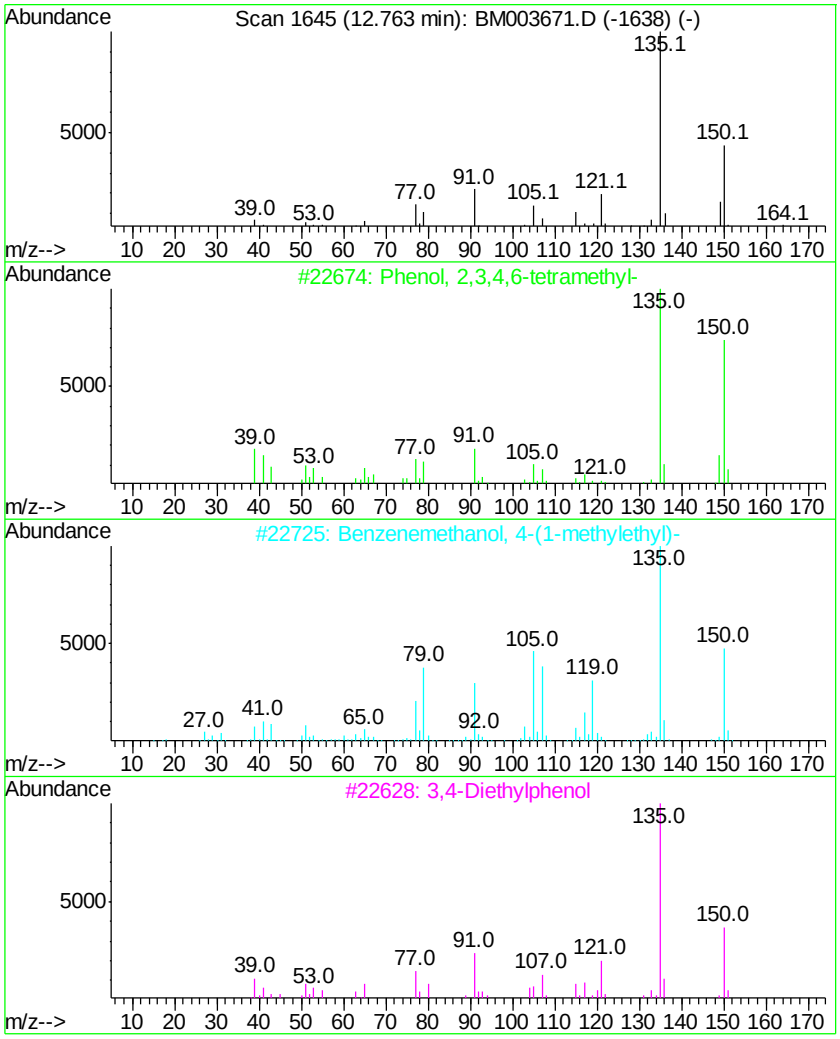
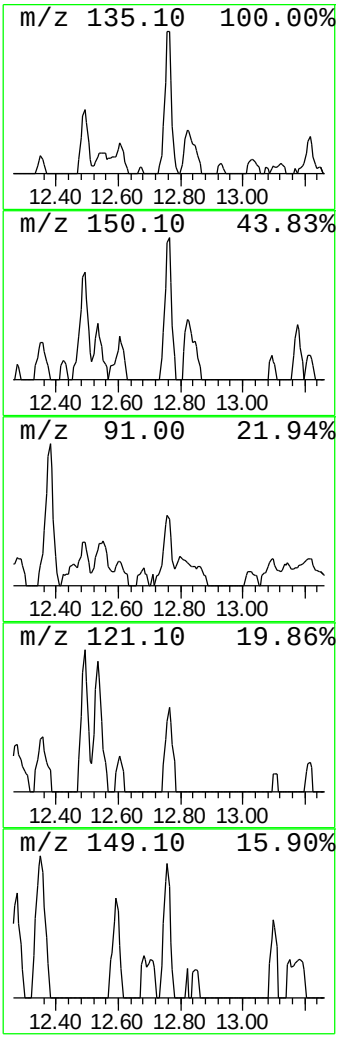
Peak Number 17 Phenol, 2,3,4,6-tetramethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	2.25 ng/ul	47812	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,4,6-tetramethyl-	150	C10H14O	003238-38-8	76
2	Benzenemethanol, 4-(1-methylethyl)-	150	C10H14O	000536-60-7	76
3	3,4-Diethylphenol	150	C10H14O	000875-85-4	74
4	Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	74
5	Phenol, 2-ethyl-4,5-dimethyl-	150	C10H14O	002219-78-5	72





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Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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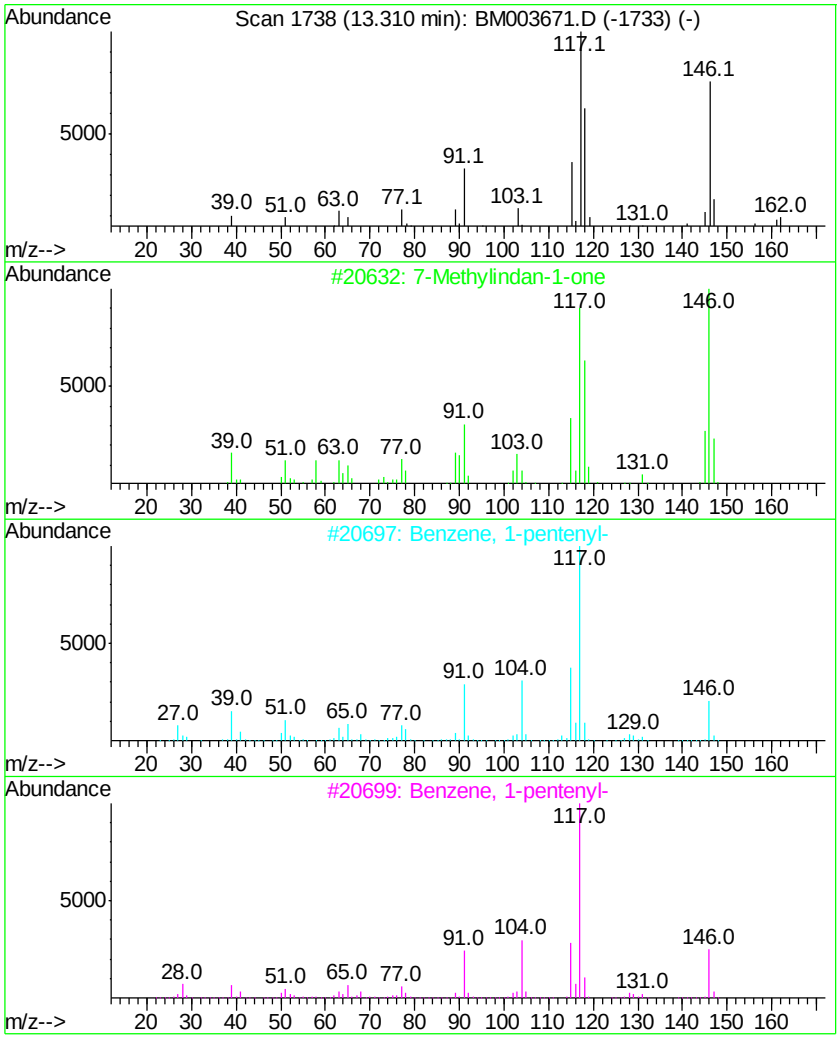
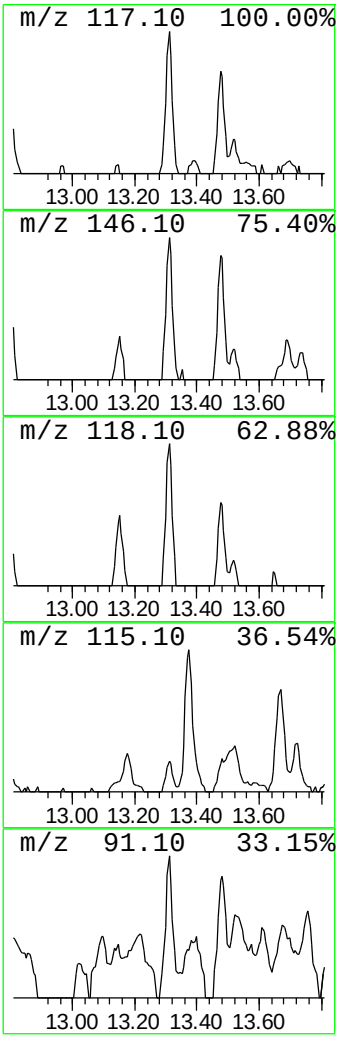
Peak Number 18 7-Methylindan-1-one Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	2.02 ng/ul	42815	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylindan-1-one	146	C10H10O	039627-61-7	93
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	58
3	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	58
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50





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Quant Title : SVOA CALIBRATION

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

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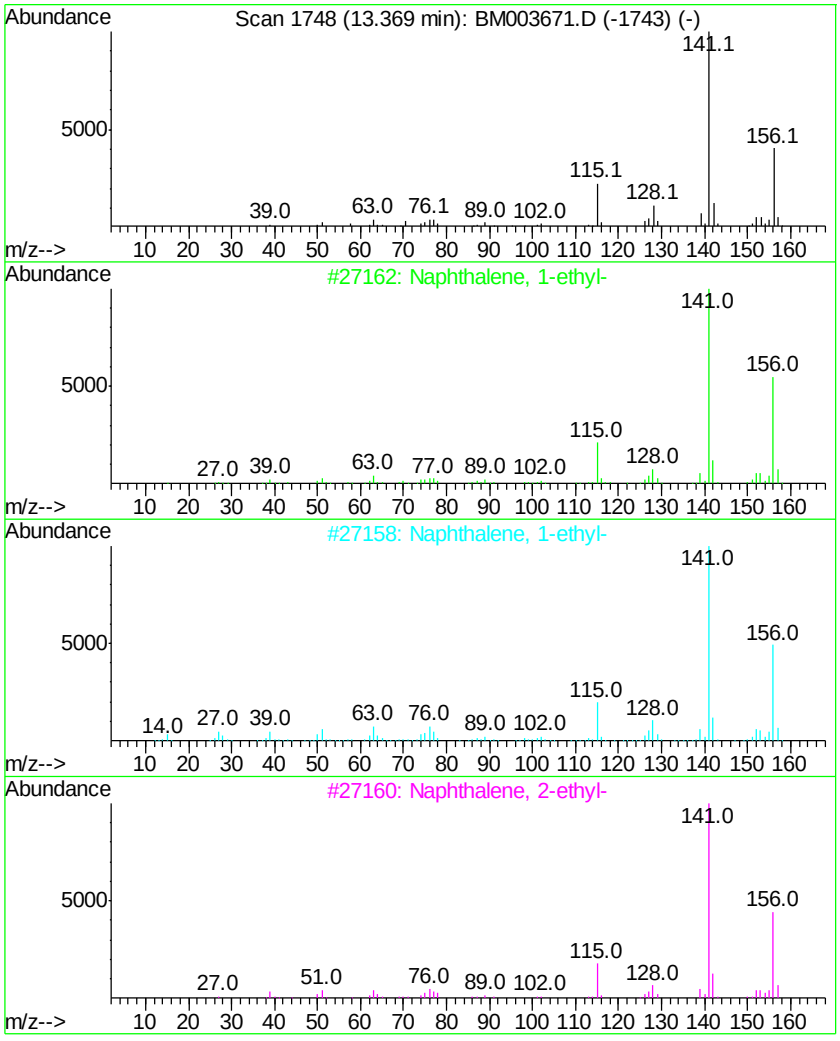
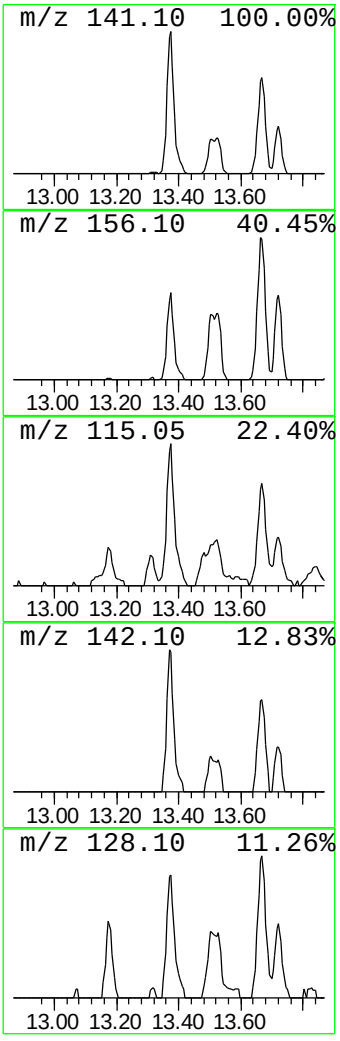
Peak Number 19 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	10.10 ng/ul	214435	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	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 20 Naphthalene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	11.72 ng/ul	248898	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
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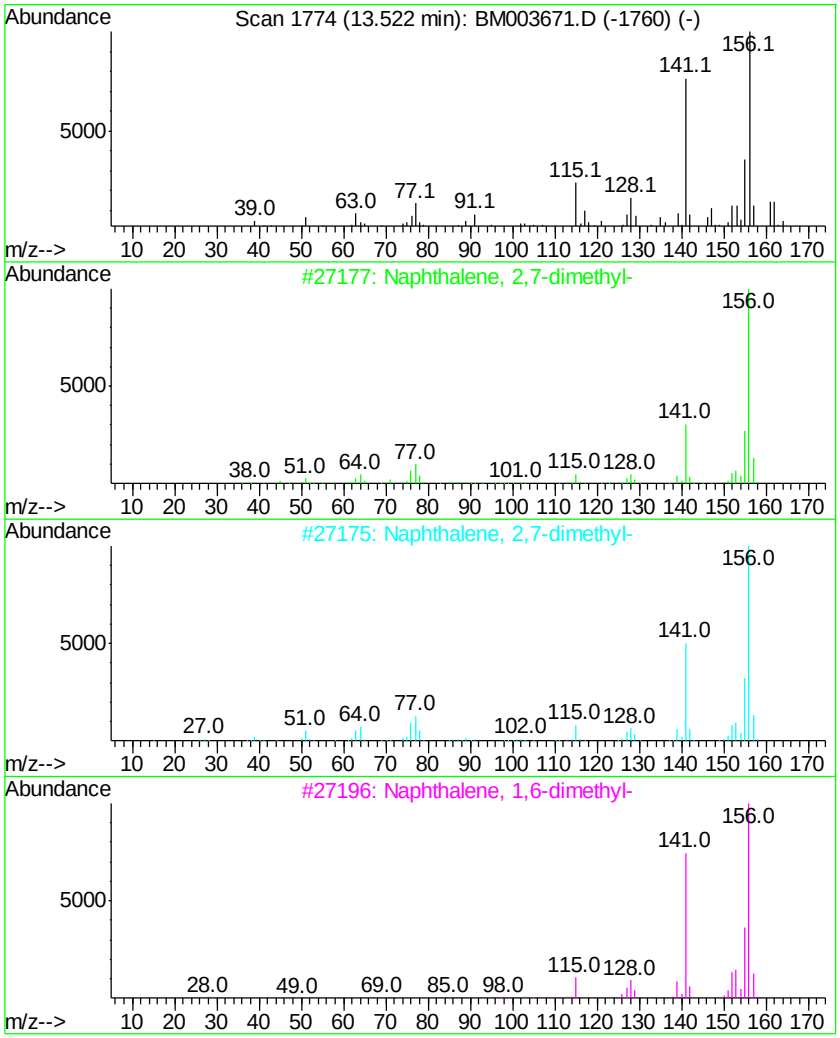
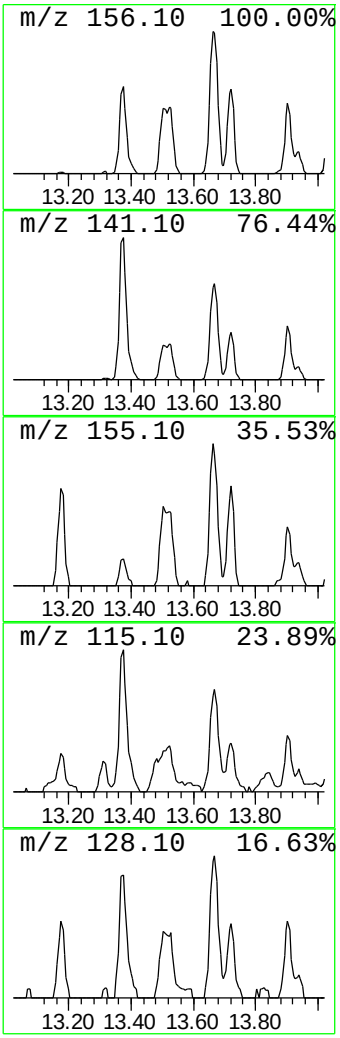
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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Sample : G4867-19
Misc :
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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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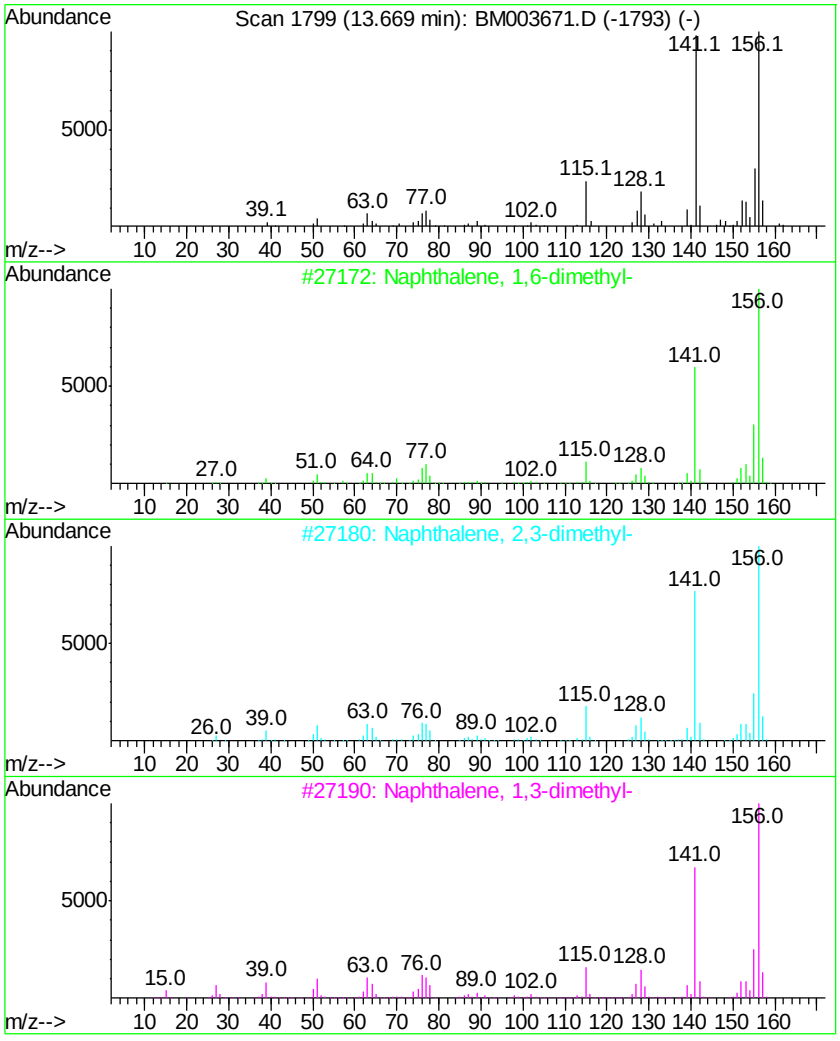
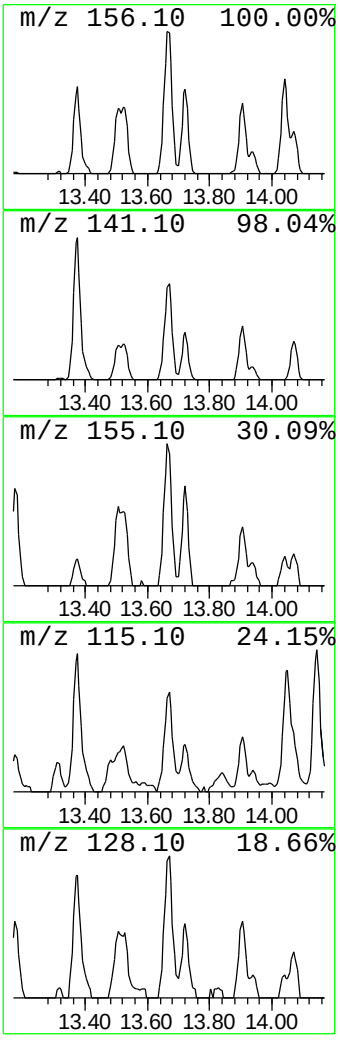
Peak Number 21 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	11.84 ng/ul	251405	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Sample : G4867-19
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Instrument : BNA_M
ClientSampleId : G9DB4

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Quant Title : SVOA CALIBRATION

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

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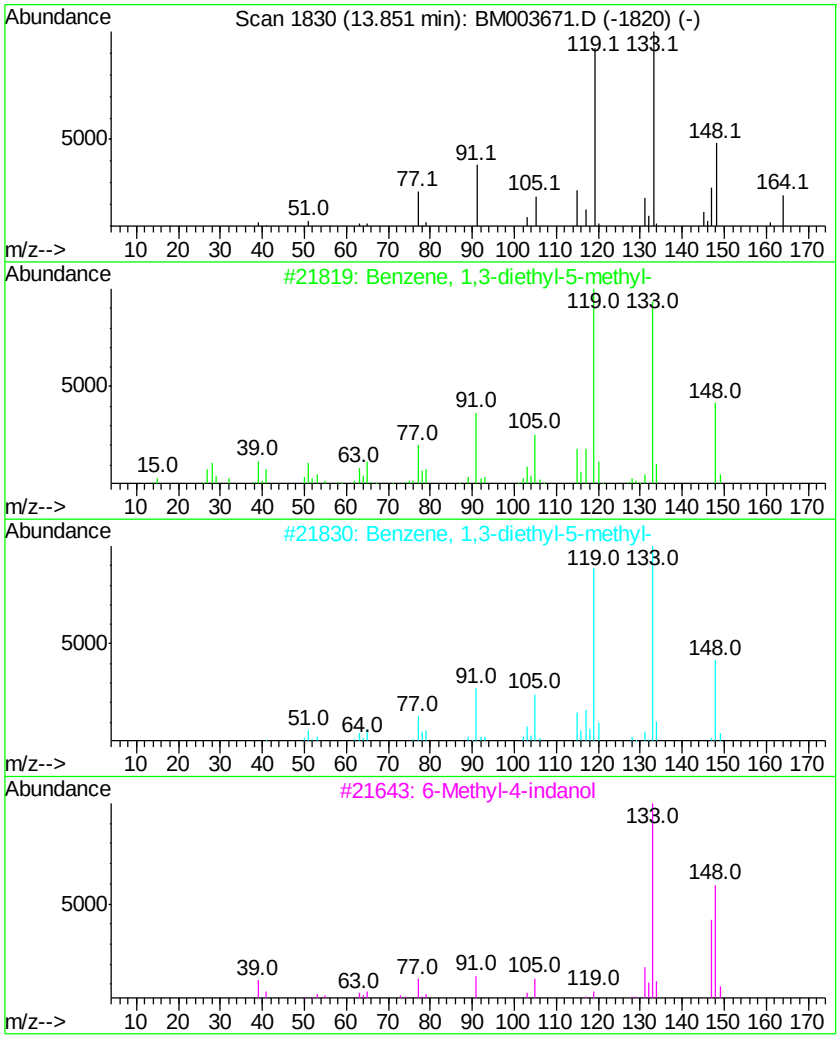
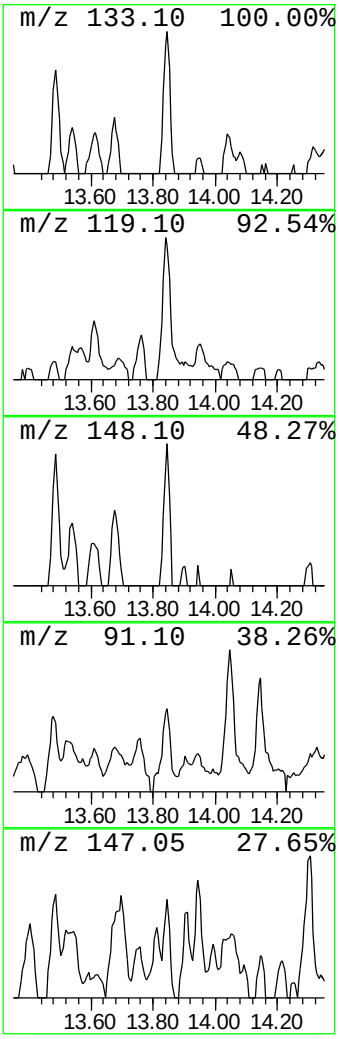
Peak Number 22 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	2.25 ng/ul	47877	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
3	6-Methyl-4-indanol	148	C10H12O	020294-32-0	49
4	Phenol, 2-methyl-6-(2-propenyl)-	148	C10H12O	003354-58-3	43
5	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	43





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Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

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Quant Title : SVOA CALIBRATION

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

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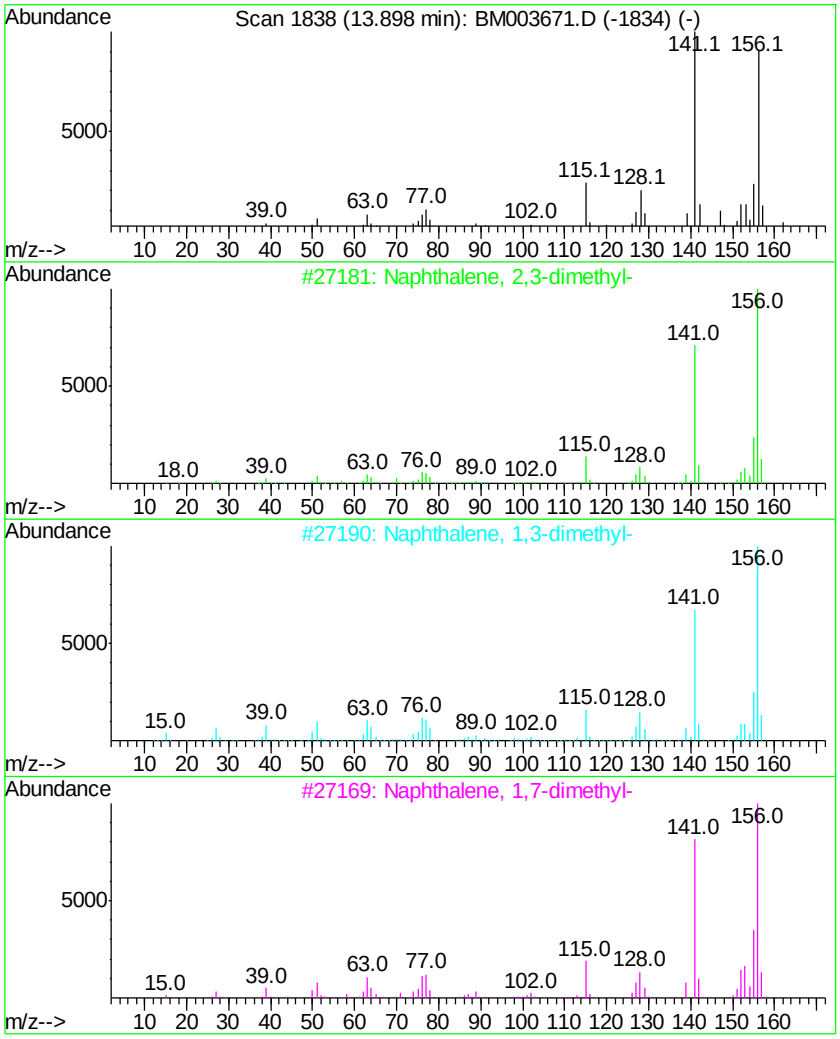
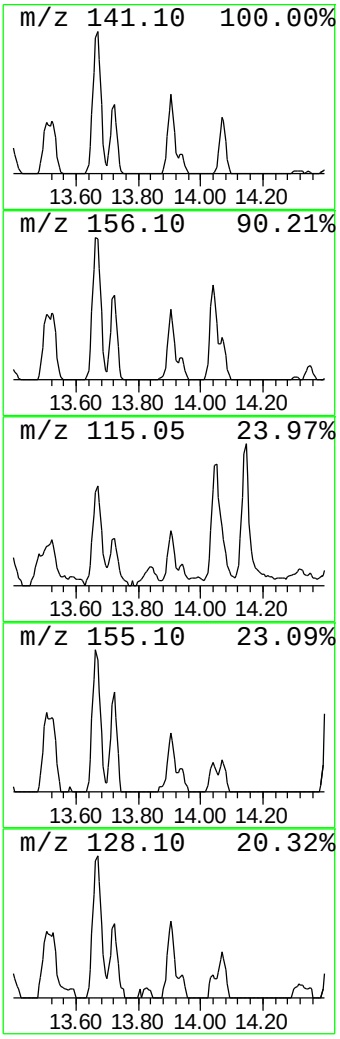
Peak Number 23 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	4.77 ng/ul	101316	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

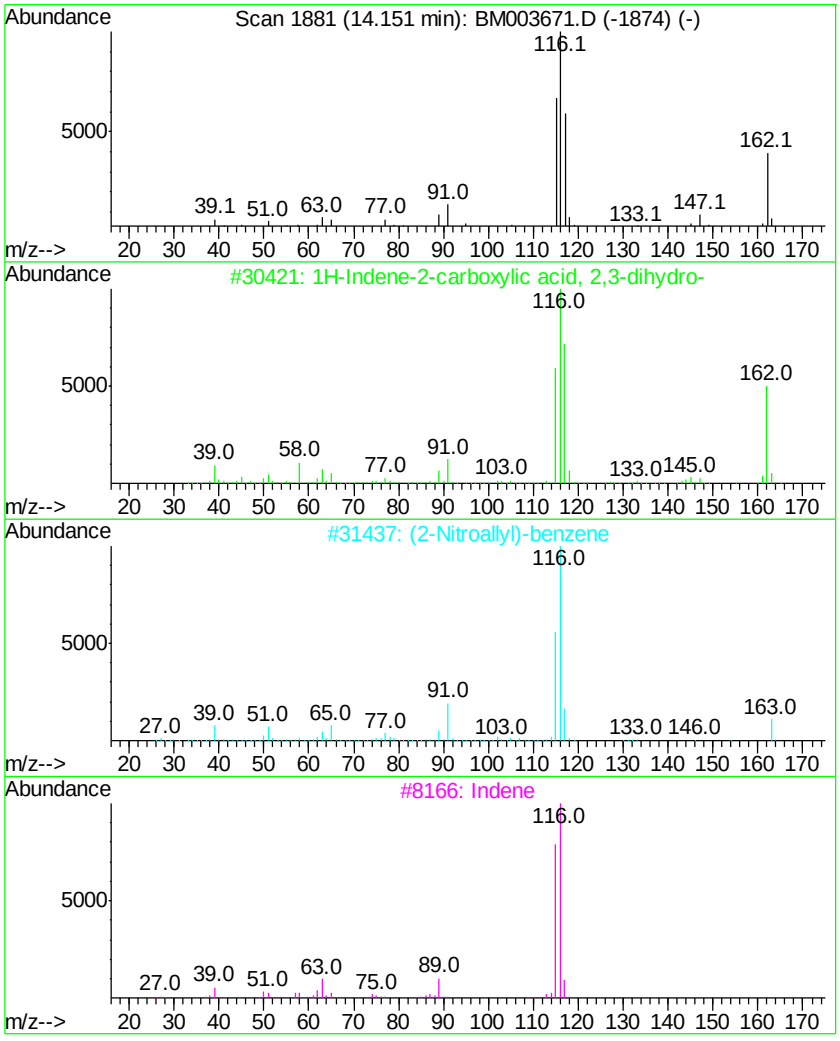
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

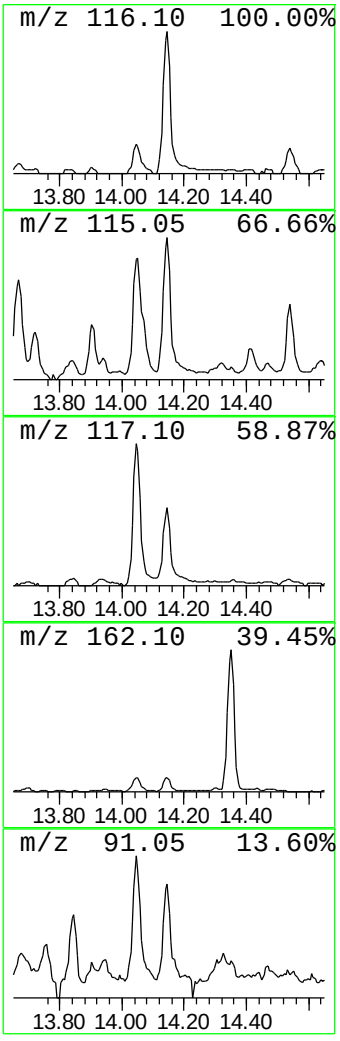
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1H-Indene-2-carboxylic acid... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	4.28 ng/ul	90850	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-2-carboxylic acid, 2,3...	162	C10H10O2	025177-85-9	91
2	(2-Nitroallyl)-benzene	163	C9H9NO2	062811-39-6	53
3	Indene	116	C9H8	000095-13-6	47
4	Indene	116	C9H8	000095-13-6	47
5	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	43





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Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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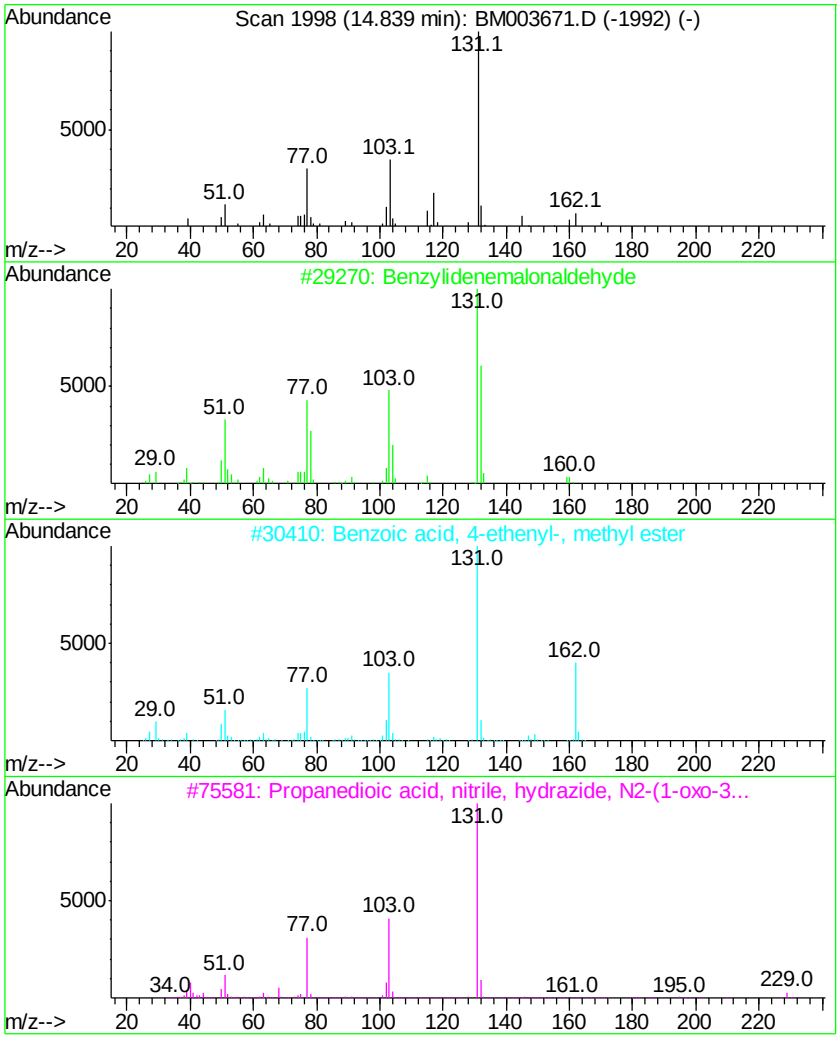
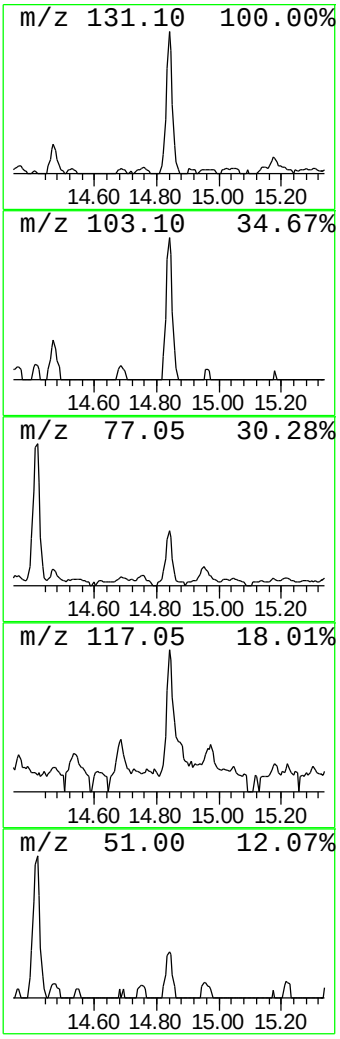
Peak Number 25 Benzylidenemalonaldehyde Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	3.94 ng/ul	83686	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzylidenemalonaldehyde	160	C10H8O2	082700-43-4	72
2	Benzoic acid, 4-ethenyl-, methyl...	162	C10H10O2	001076-96-6	72
3	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	64
4	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	64
5	2-Propenoyl chloride, 3-phenyl-	166	C9H7ClO	000102-92-1	64





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Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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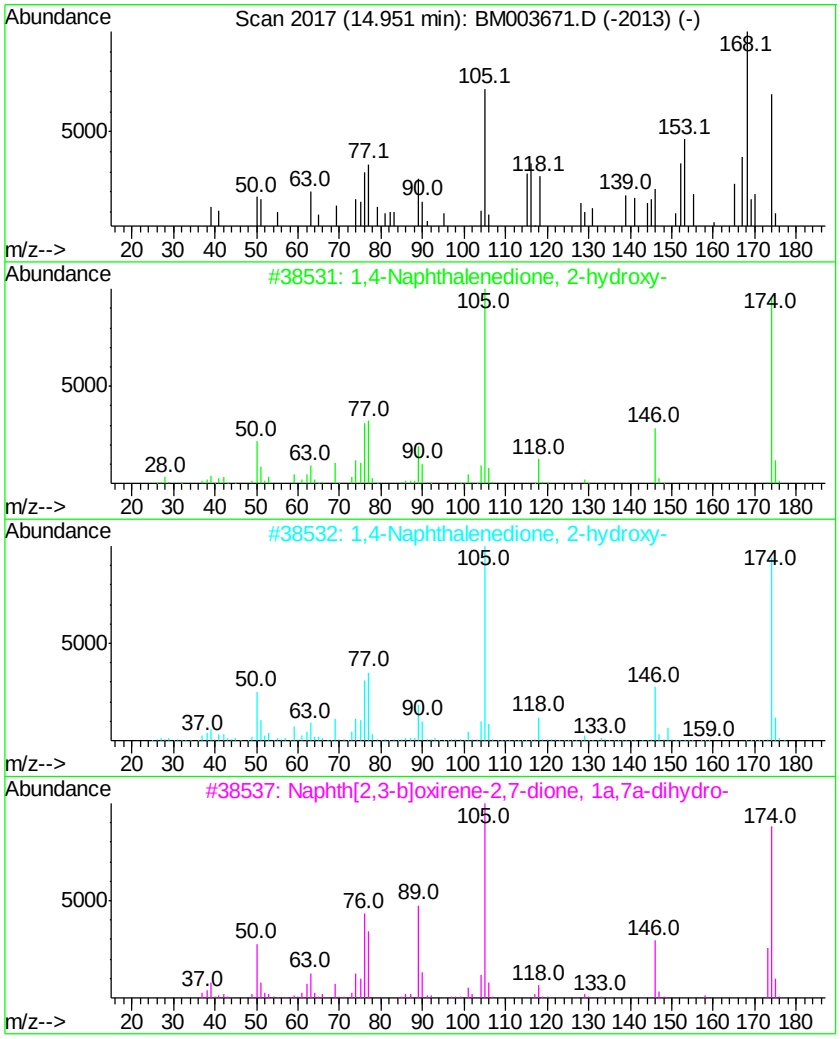
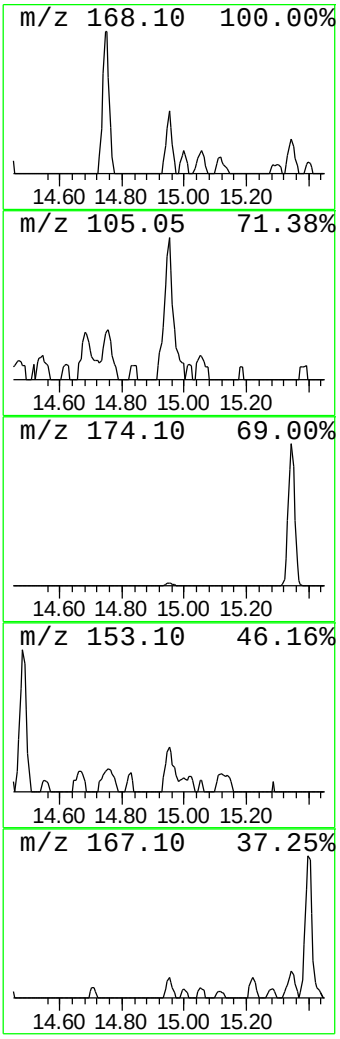
Peak Number 26 1,4-Naphthalenedione, 2-hyd... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	3.43 ng/ul	72851	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione, 2-hydroxy-	174	C10H6O3	000083-72-7	90
2	1,4-Naphthalenedione, 2-hydroxy-	174	C10H6O3	000083-72-7	59
3	Naphth[2,3-b]oxirene-2,7-dione, ...	174	C10H6O3	015448-58-5	53
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	37





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Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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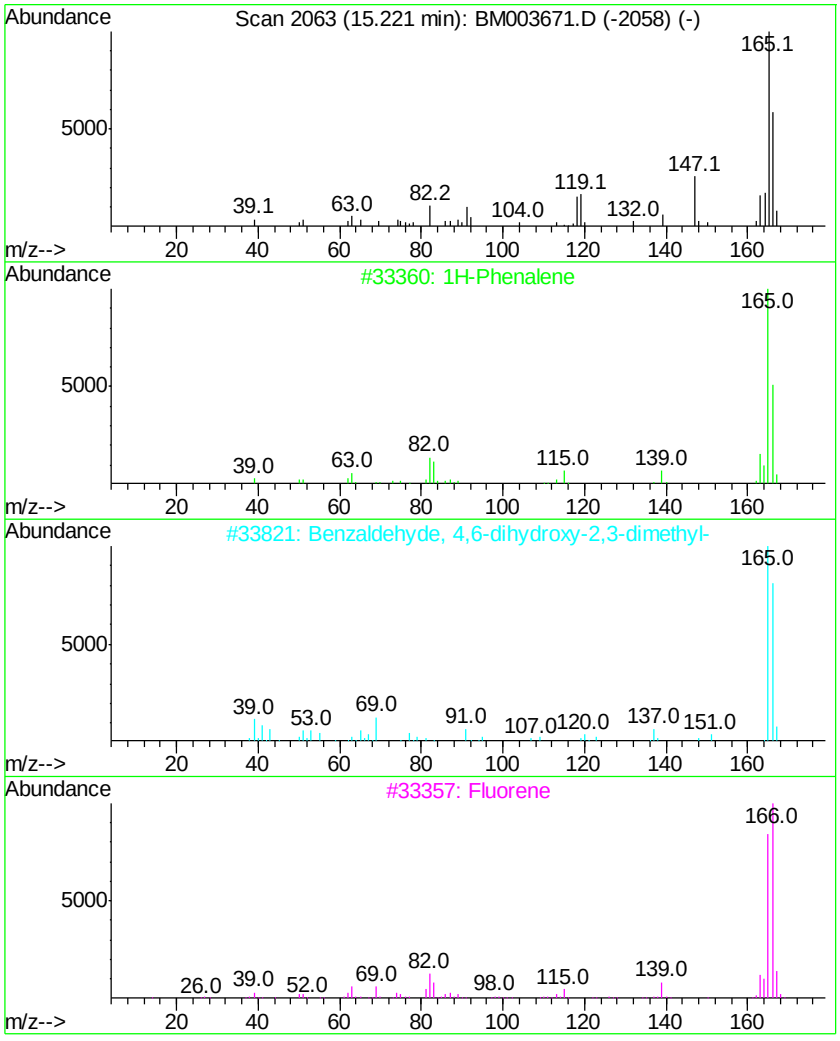
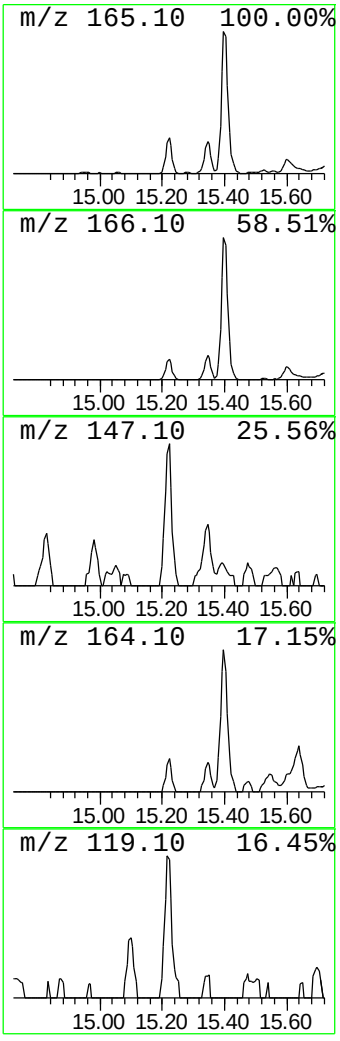
Peak Number 27 1H-Phenalene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	4.11 ng/ul	87363	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	53
2	Benzaldehyde, 4,6-dihydroxy-2,3-...	166	C9H10O3	002990-31-0	50
3	Fluorene	166	C13H10	000086-73-7	38
4	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	38
5	Fluorene	166	C13H10	000086-73-7	32





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Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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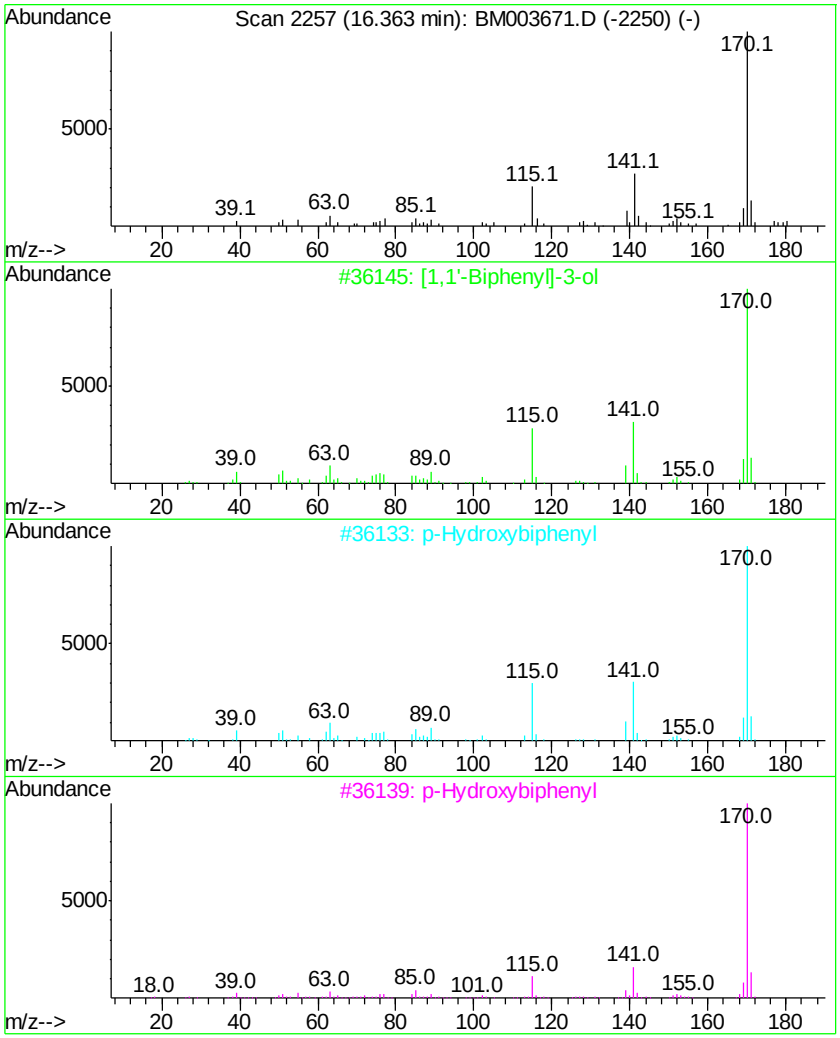
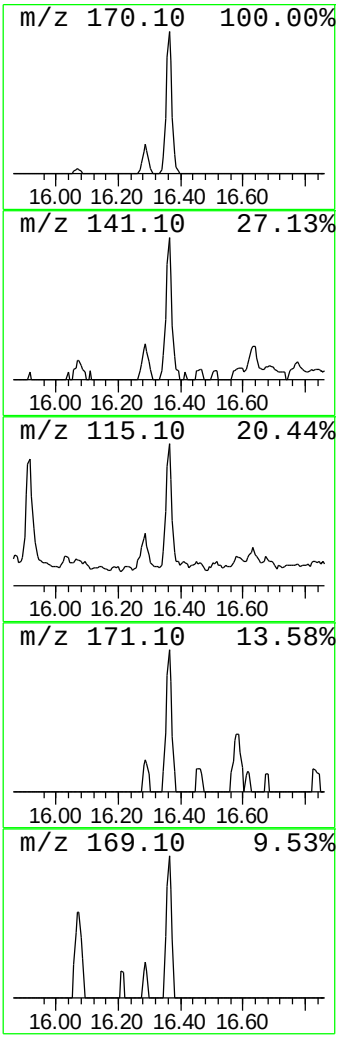
Peak Number 30 [1,1'-Biphenyl]-3-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	4.36 ng/ul	97020	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	96
2	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	96
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	95
4	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94





Tentatively Identified Compound (LSC) summary

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Data File : BM003671.D
Acq On : 21 Dec 2015 01:13
Operator : UM/SJ
Sample : G4867-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DB4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.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-methy...	6.19	18.2	ng/ul	123902	1	7.70	135900	20.0
Benzene, 1-ethyl-...	6.79	14.0	ng/ul	94850	1	7.70	135900	20.0
unknown-01	7.09	12.2	ng/ul	82809	1	7.70	135900	20.0
Indane	8.08	833.6	ng/ul	5664090	1	7.70	135900	20.0
Benzene, 1,2-diet...	8.19	4.9	ng/ul	33440	1	7.70	135900	20.0
Indene	8.23	182.7	ng/ul	1241230	1	7.70	135900	20.0
Benzene, 4-ethyl-...	8.80	12.9	ng/ul	87739	1	7.70	135900	20.0
Benzofuran, 7-met...	9.05	11.0	ng/ul	74671	1	7.70	135900	20.0
Naphthalene, 1-me...	12.38	2.8	ng/ul	1704100	2	10.50	12258300	20.0
1H-Inden-5-ol, 2,...	12.55	4.3	ng/ul	91998	3	14.35	424689	20.0
Phenol, 2,3,4,6-t...	12.76	2.3	ng/ul	47812	3	14.35	424689	20.0
7-Methylindan-1-one	13.31	2.0	ng/ul	42815	3	14.35	424689	20.0
Naphthalene, 1-et...	13.37	10.1	ng/ul	214435	3	14.35	424689	20.0
Naphthalene, 2,7-...	13.52	11.7	ng/ul	248898	3	14.35	424689	20.0
Naphthalene, 1,6-...	13.67	11.8	ng/ul	251405	3	14.35	424689	20.0
Benzene, 1,3-diet...	13.85	2.3	ng/ul	47877	3	14.35	424689	20.0
Naphthalene, 2,3-...	13.90	4.8	ng/ul	101316	3	14.35	424689	20.0
1H-Indene-2-carbo...	14.15	4.3	ng/ul	90850	3	14.35	424689	20.0
Benzylidenemalona...	14.84	3.9	ng/ul	83686	3	14.35	424689	20.0
1,4-Naphthalenedi...	14.95	3.4	ng/ul	72851	3	14.35	424689	20.0
1H-Phenalene	15.22	4.1	ng/ul	87363	3	14.35	424689	20.0
[1,1'-Biphenyl]-3-ol	16.36	4.4	ng/ul	97020	4	17.10	445075	20.0