LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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	5.588	461	468	475	rVV	1579858	2568786	6.42%	0.688%
2	5.741	484	494	505	rVB	424936	743751	1.86%	0.199%
3	6.093	547	554	562	rVB	743078	1229398	3.07%	0.329%
4	7.239	743	749	756	rVV	1002435	1667928	4.17%	0.447%
5	7.744	829	835	844	rVB2	1336222	2613332	6.53%	0.700%
6	8.214	910	915	922	rVV2	545112	1087068	2.72%	0.291%
7	8.496	952	963	969	rVV	4065355	8023677	20.05%	2.148%
8	8.590	974	979	984	rBV	488258	836380	2.09%	0.224%
9	8.643	984	988	998	rVB3	334757	758048	1.89%	0.203%
10	8.743	998	1005	1010	rBV	794092	1413221	3.53%	0.378%
11	9.213	1073	1085	1091	rBV	963327	1965745	4.91%	0.526%
12	9.295	1093	1099	1107	rVB3	375045	843908	2.11%	0.226%
13	9.471	1121	1129	1135	rVB5	205085	679859	1.70%	0.182%
14	9.795	1179	1184	1189	rBV	518671	924204	2.31%	0.247%
15	10.041	1221	1226	1231	rVB3	375204	644003	1.61%	0.172%
16	10.165	1241	1247	1256	rVB2	1091092	2060846	5.15%	0.552%
17	10.335	1267	1276	1285	rBV3	1270230	4156592	10.39%	1.113%
18	10.429	1285	1292	1296	rBV	1322372	2964910	7.41%	0.794%
19	11.064	1377	1400	1406	rVB2	8989922	40008451	100.00%	10.710%
20	11.128	1406	1411	1419	rBV2	693373	1194765	2.99%	0.320%
21	11.404	1451	1458	1464	rVB4	239123	610711	1.53%	0.163%
22	11.616	1490	1494	1501	rVB4	418689	794535	1.99%	0.213%
23	11.745	1511	1516	1518	rBV2	430382	714994	1.79%	0.191%
24	11.828	1525	1530	1538	rVB6	358483	891282	2.23%	0.239%
25	11.933	1542	1548	1551	rBV	823549	1354866	3.39%	0.363%
26	12.110	1573	1578	1585	rVB3	652825	1223726	3.06%	0.328%
27	12.474	1637	1640	1648	rVB4	462444	958933	2.40%	0.257%
28	12.644	1648	1669	1673	rBV	8093092	30334751	75.82%	8.121%
29	12.850	1686	1704	1709	rBV	6835950	19201845	47.99%	5.140%
30	13.008	1724	1731	1736	rVV4	437246	1186553	2.97%	0.318%
31	13.267	1770	1775	1781	rVB	1068589	1753688	4.38%	0.469%
32	13.578	1817	1828	1833	rBV	2096845	3882398	9.70%	1.039%
33	13.655	1838	1841	1849	rVV5	283432	752308	1.88%	0.201%
34	13.725	1850	1853	1856	rVV3	338583	558391	1.40%	0.149%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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	13.790	1856	1864	1872	rVB	4068739	8936501	22.34%	2.392%
36	13.943	1877	1890	1894	rBV	3843948	10782497	26.95%	2.886%
37	14.090	1905	1915	1919	rBV	4418998	10172918	25.43%	2.723%
38	14.137	1919	1923	1928	rVB	3799970	5850401	14.62%	1.566%
39	14.213	1928	1936	1940	rVB3	1594510	3020719	7.55%	0.809%
40	14.313	1947	1953	1957	rBV	2387098	4399039	11.00%	1.178%
41	14.436	1969	1974	1976	rBV3	453596	783416	1.96%	0.210%
42	14.471	1976	1980	1991	rVB	1790508	3019768	7.55%	0.808%
43	14.724	2014	2023	2031	rBV	1681817	3723814	9.31%	0.997%
44	14.830	2031	2041	2046	rBV2	5690535	12786329	31.96%	3.423%
45	14.947	2055	2061	2070	rVB	1592107	3916709	9.79%	1.048%
46	15.135	2087	2093	2099	rBV3	1945778	3753064	9.38%	1.005%
47	15.212	2102	2106	2110	rBV	1369873	1929972	4.82%	0.517%
48	15.353	2124	2130	2135	rBV2	1056276	2054594	5.14%	0.550%
49	15.406	2135	2139	2143	rBV	958200	1360106	3.40%	0.364%
50	15.529	2152	2160	2163	rBV2	863795	1924666	4.81%	0.515%
51	15.558	2163	2165	2169	rVB3	607157	777188	1.94%	0.208%
52	15.617	2169	2175	2180	rBV	1585590	2374459	5.93%	0.636%
53	15.670	2180	2184	2187	rBV3	511144	946245	2.37%	0.253%
54	15.705	2187	2190	2192	rVV	612999	904059	2.26%	0.242%
55	15.735	2192	2195	2199	rVV	1138952	1701339	4.25%	0.455%
56	15.805	2199	2207	2215	rVB	3475545	7359689	18.40%	1.970%
57	15.976	2228	2236	2244	rBV4	1646691	4869573	12.17%	1.304%
58	16.199	2268	2274	2285	rBV3	1243688	3167709	7.92%	0.848%
59	16.457	2312	2318	2322	rBV2	3070087	4793471	11.98%	1.283%
60	16.786	2366	2374	2379	rBV3	1319808	3622707	9.05%	0.970%
61	16.839	2379	2383	2388	rVB3	1364124	2140423	5.35%	0.573%
62	16.939	2396	2400	2404	rVB2	756545	1121656	2.80%	0.300%
63	17.051	2415	2419	2426	rVB3	629452	1037374	2.59%	0.278%
64	17.145	2431	2435	2440	rVB2	695237	1117521	2.79%	0.299%
65	17.280	2452	2458	2461	rBV	1809670	3246444	8.11%	0.869%
66	17.568	2496	2507	2511	rBV	6723959	16691129	41.72%	4.468%
67	17.638	2514	2519	2524	rBV	2988434	4556771	11.39%	1.220%
68	17.885	2557	2561	2567	rBV5	686409	1001396	2.50%	0.268%
69	18.067	2589	2592	2599	rVB2	1115880	1547854	3.87%	0.414%
70	18.373	2637	2644	2647	rBV	2930690	5039075	12.60%	1.349%
71	18.426	2647	2653	2657	rVV	3350200	5482691	13.70%	1.468%

LSC Area Percent Report

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Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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	18.502	2661	2666	2671	rVV	1614324	2628029	6.57%	0.704%
73	18.567	2671	2677	2681	rVV3	4274568	8876461	22.19%	2.376%
74	18.608	2681	2684	2690	rVB	2692054	3536066	8.84%	0.947%
75	18.855	2721	2726	2730	rBV	1498287	2126407	5.31%	0.569%
76	19.095	2764	2767	2772	rVB2	847822	1194112	2.98%	0.320%
77	19.272	2792	2797	2802	rBV2	1912262	3359418	8.40%	0.899%
78	19.336	2802	2808	2811	rBV3	901254	1924140	4.81%	0.515%
79	19.407	2816	2820	2822	rBV2	556267	810430	2.03%	0.217%
80	19.548	2837	2844	2848	rBV	3821728	7268632	18.17%	1.946%
81	19.689	2863	2868	2872	rBV	1606214	2238583	5.60%	0.599%
82	19.918	2896	2907	2911	rBV	4981735	11180614	27.95%	2.993%
83	19.965	2911	2915	2920	rVB	646862	1077592	2.69%	0.288%
84	20.224	2953	2959	2965	rVB	876144	2123644	5.31%	0.568%
85	20.353	2976	2981	2982	rBV2	708463	1070309	2.68%	0.287%
86	20.388	2983	2987	2991	rVB	1826603	2894615	7.24%	0.775%
87	20.488	2999	3004	3009	rVB	1508082	1994334	4.98%	0.534%
88	20.547	3010	3014	3018	rVB	1117910	1334771	3.34%	0.357%
89	20.682	3033	3037	3041	rBV	1180871	1743678	4.36%	0.467%
90	20.729	3041	3045	3056	rVB	1650902	2815664	7.04%	0.754%
91	21.375	3152	3155	3160	rVB	722969	1096121	2.74%	0.293%
92	21.751	3212	3219	3225	rBV2	2583819	5713738	14.28%	1.530%
93	21.822	3226	3231	3241	rVB	2296106	4216429	10.54%	1.129%
94	22.027	3262	3266	3273	rVB	476158	833926	2.08%	0.223%
95	22.509	3344	3348	3354	rVB	692388	1136559	2.84%	0.304%
96	22.574	3356	3359	3365	rVB	428619	747868	1.87%	0.200%
97	24.025	3596	3606	3611	rBV2	528930	1932497	4.83%	0.517%
98	24.748	3722	3729	3736	rVB	438849	1083683	2.71%	0.290%
99	24.906	3747	3756	3765	rVB	1004148	2939092	7.35%	0.787%
100	28.796	4411	4418	4436	rVB2	254687	1139717	2.85%	0.305%

Sum of corrected areas: 373554268

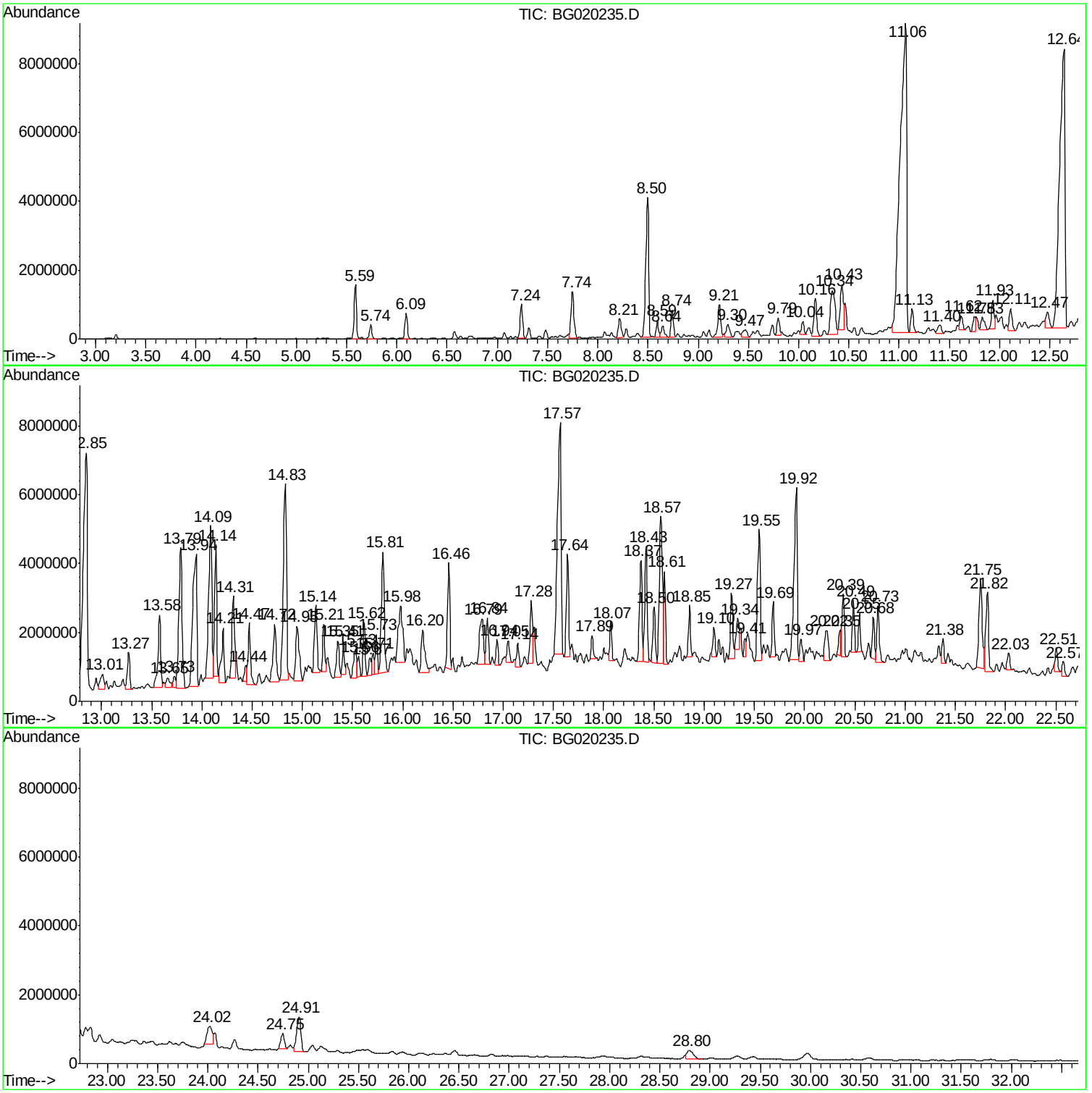
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9BN9

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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

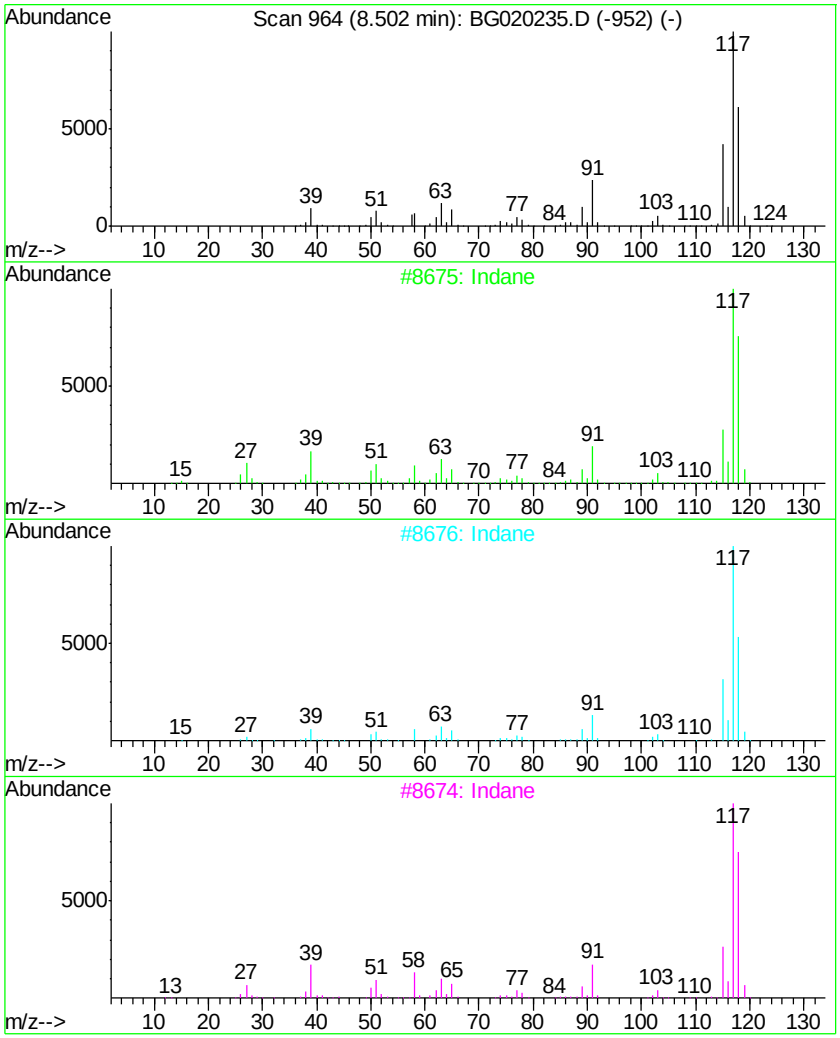
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

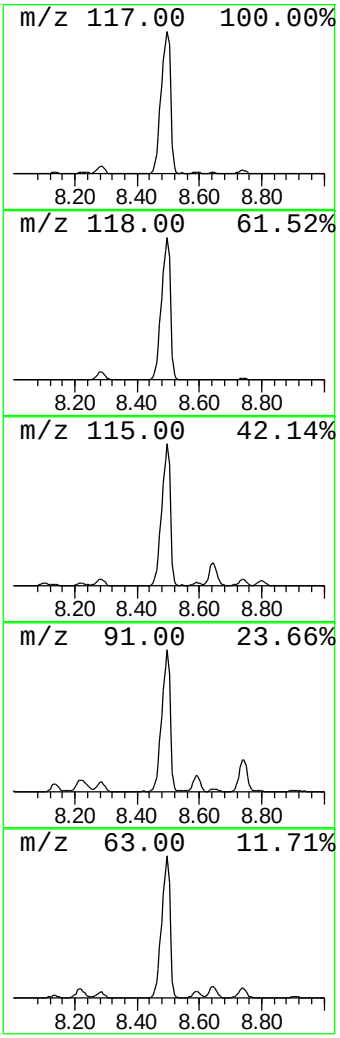
****

Peak Number 6 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	147.62 ng/ul	8023680	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	89
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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

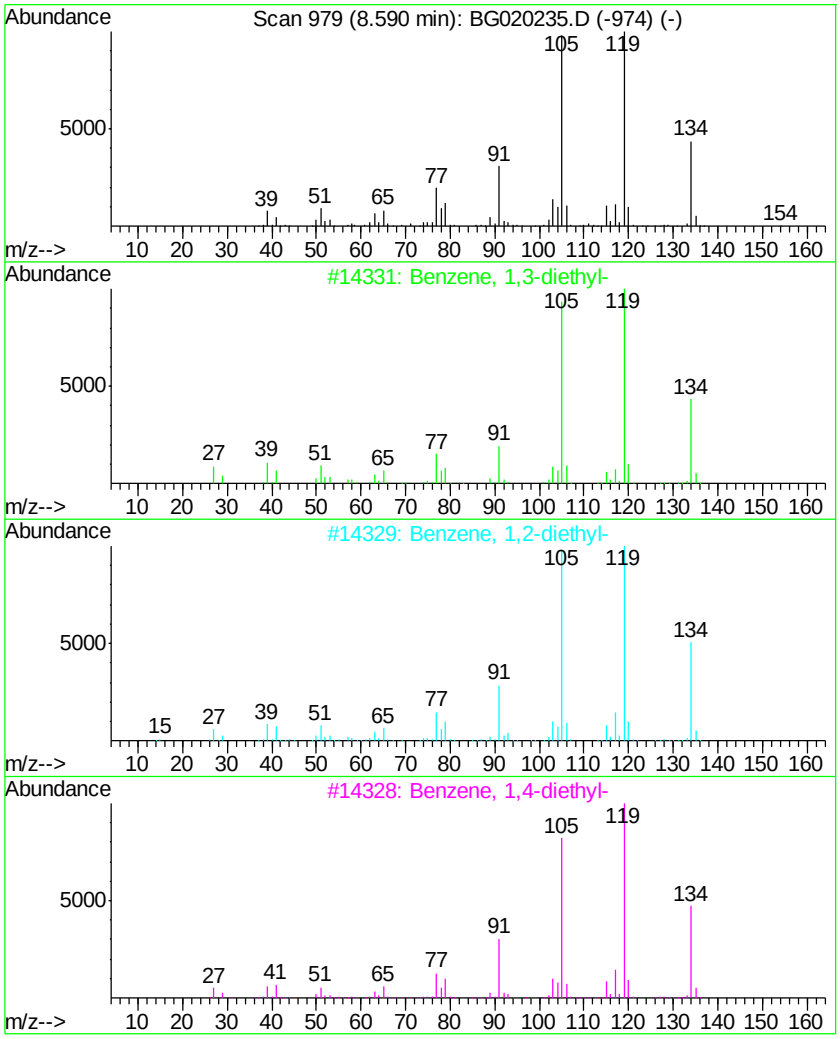
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

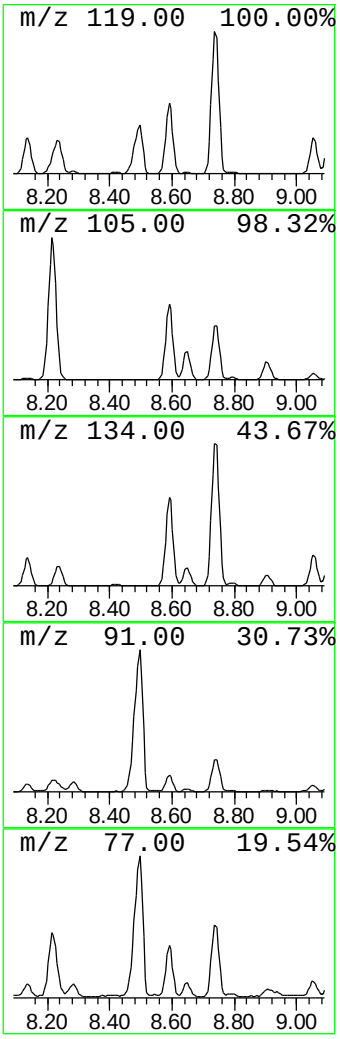
****

Peak Number 7 Benzene, 1,3-diethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	15.39 ng/ul	836380	1,4-Dichlorobenzene-d4	8.10

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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

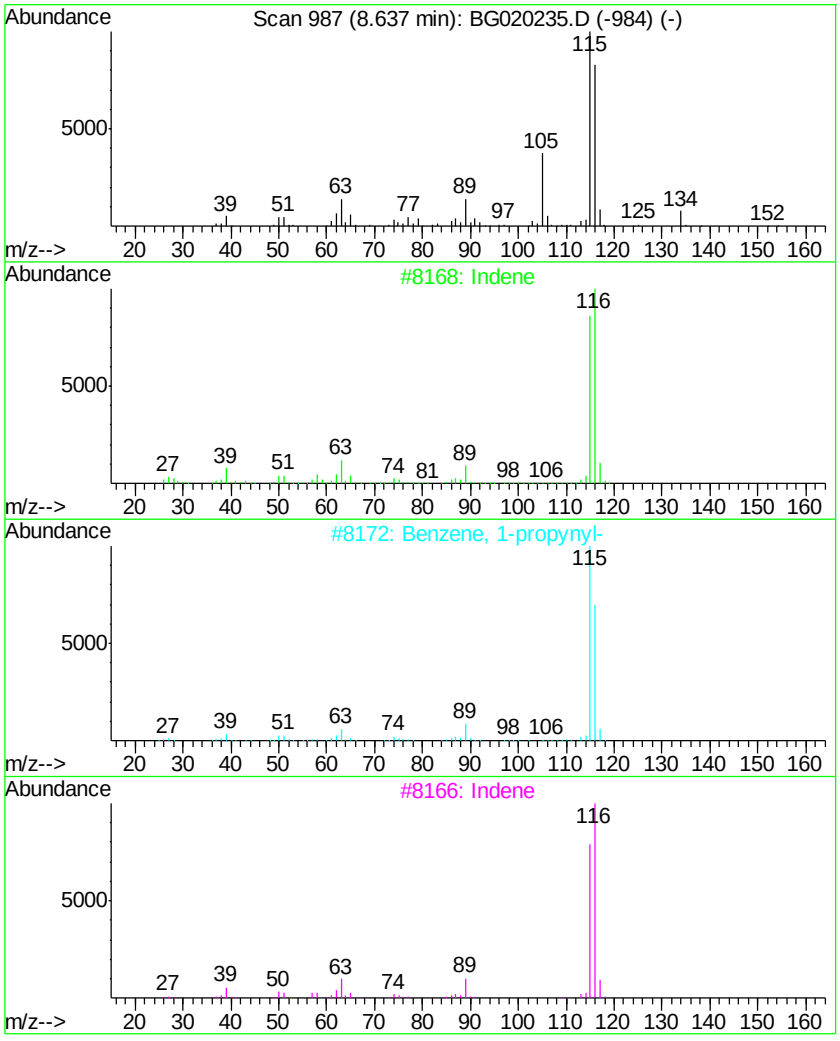
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

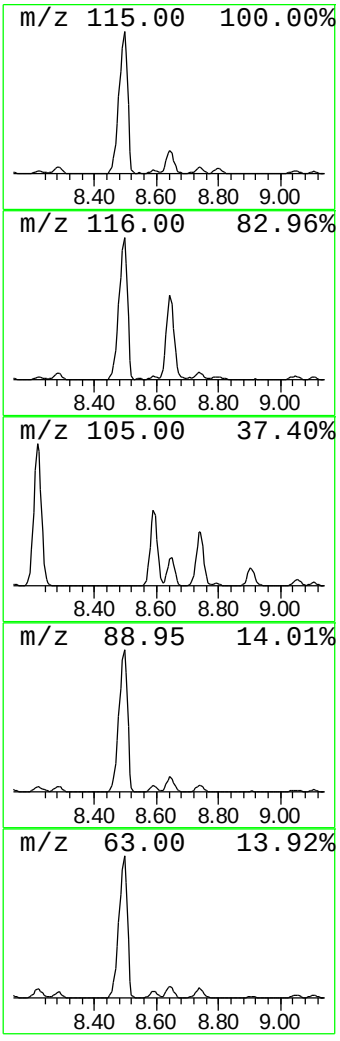
****

Peak Number 8 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	13.95 ng/ul	758048	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	93
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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

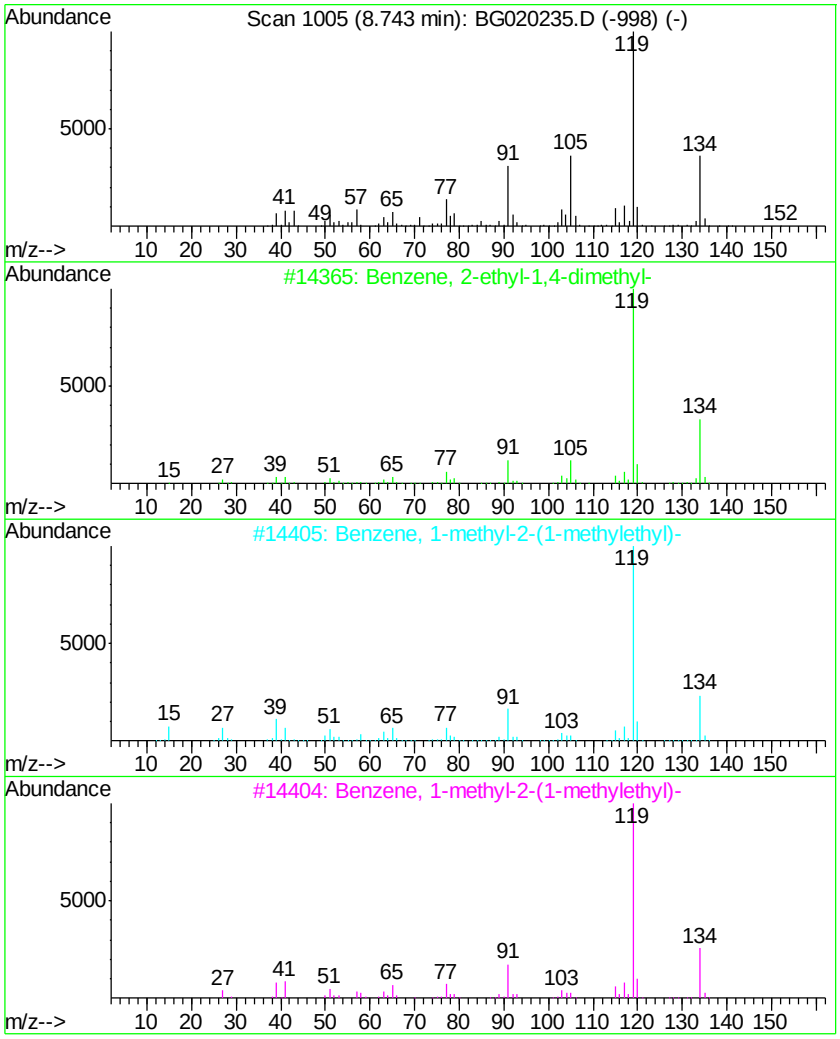
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

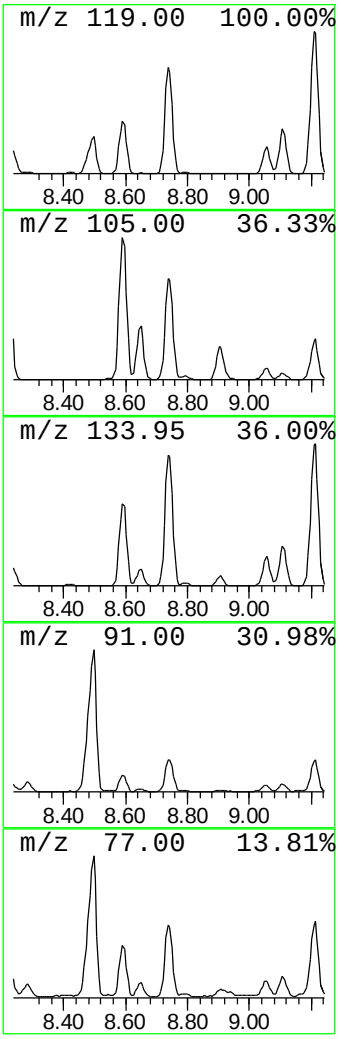
****

Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	26.00 ng/ul	1413220	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	94
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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

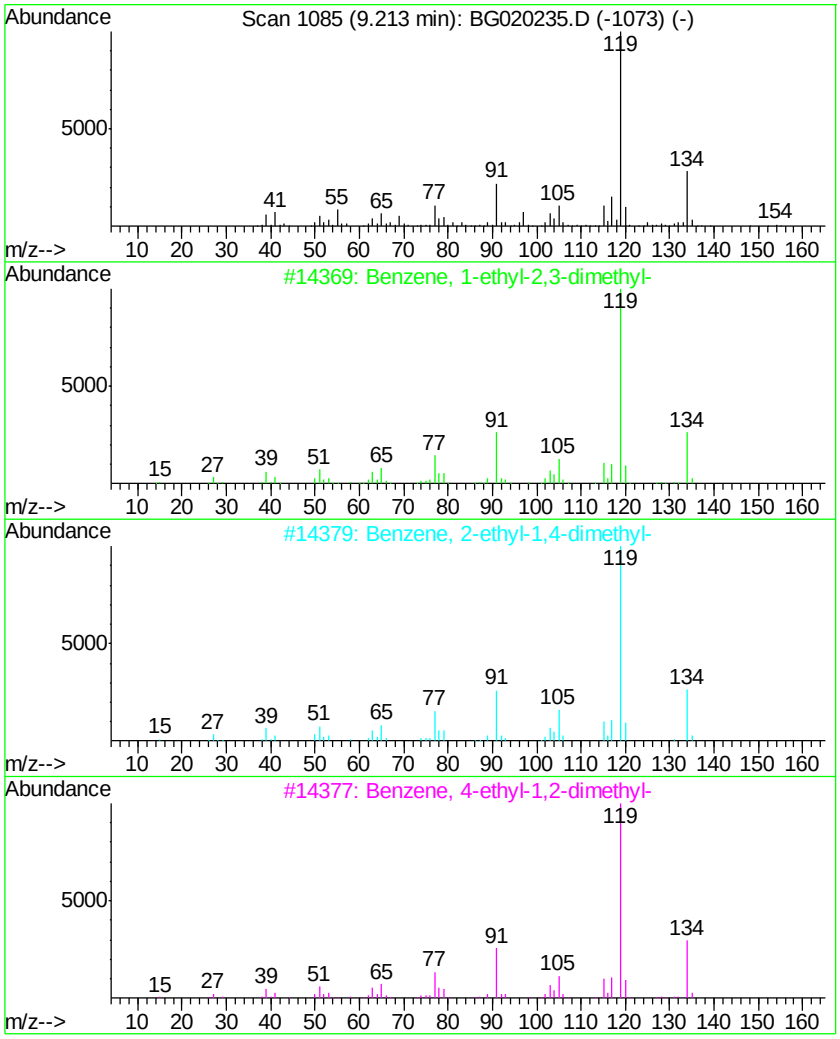
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

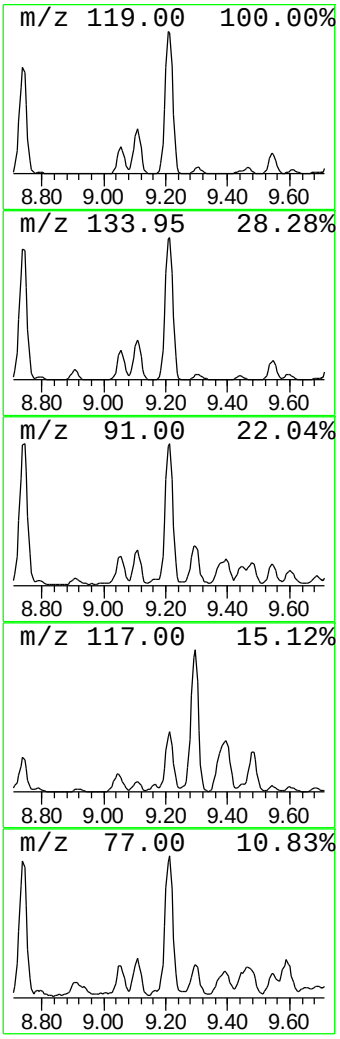
****

Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	36.17 ng/ul	1965750	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95





Library Search Compound Report

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Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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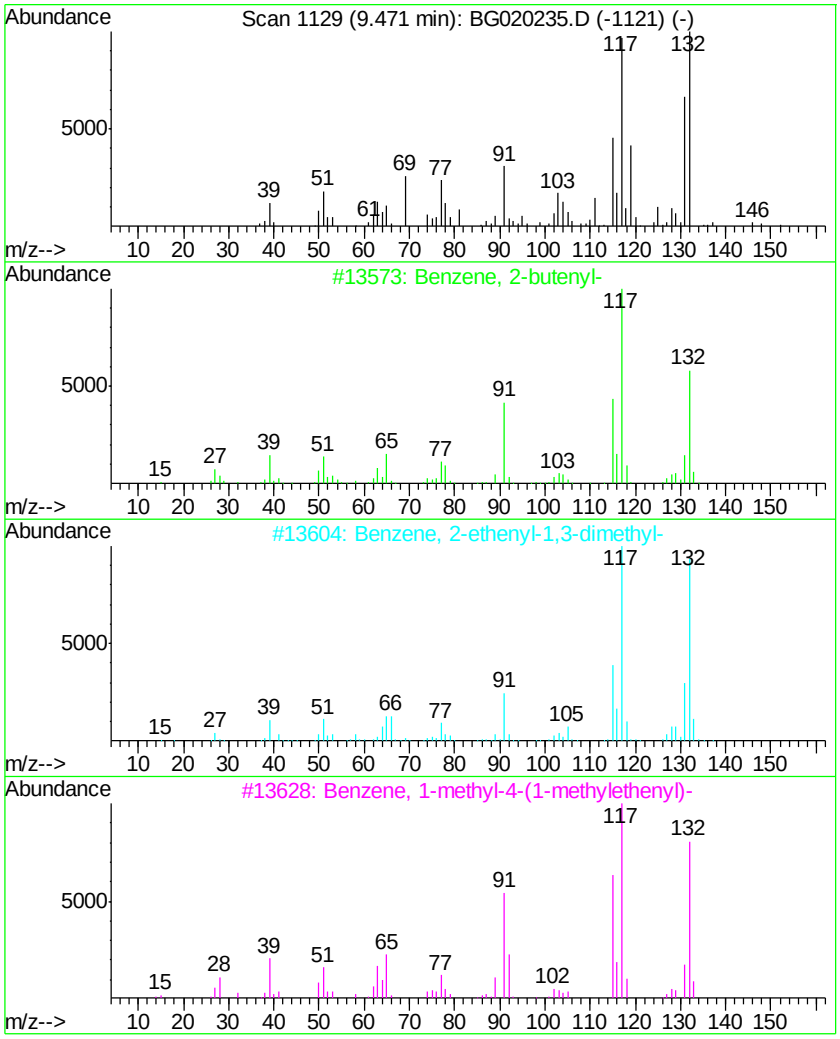
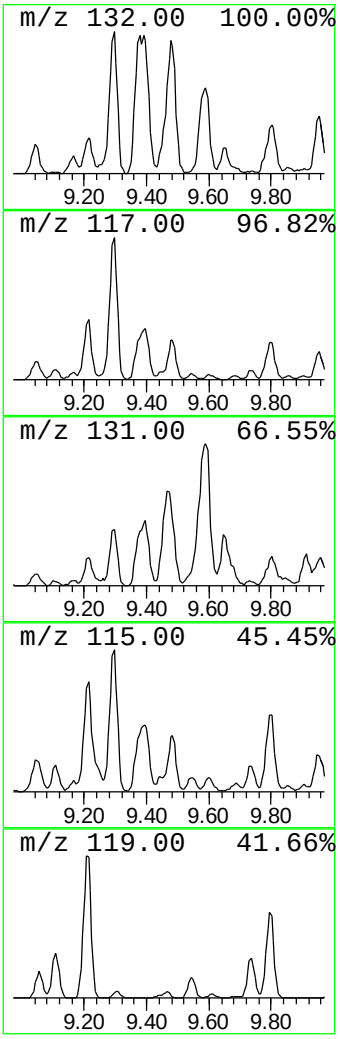
Peak Number 11 Benzene, 2-butenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	12.51 ng/ul	679859	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	62
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	62





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Sample : G4787-17
Misc :
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Instrument : BNA_G
ClientSampleId : G9BN9

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Quant Title : SVOA CALIBRATION

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

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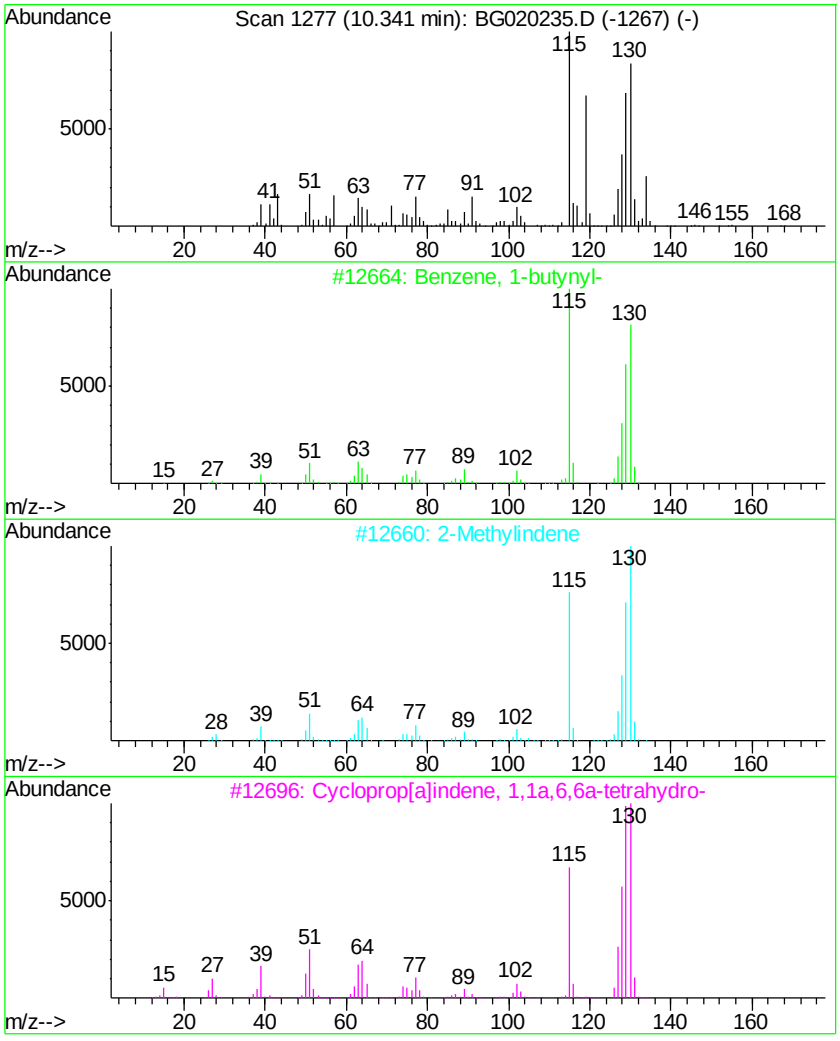
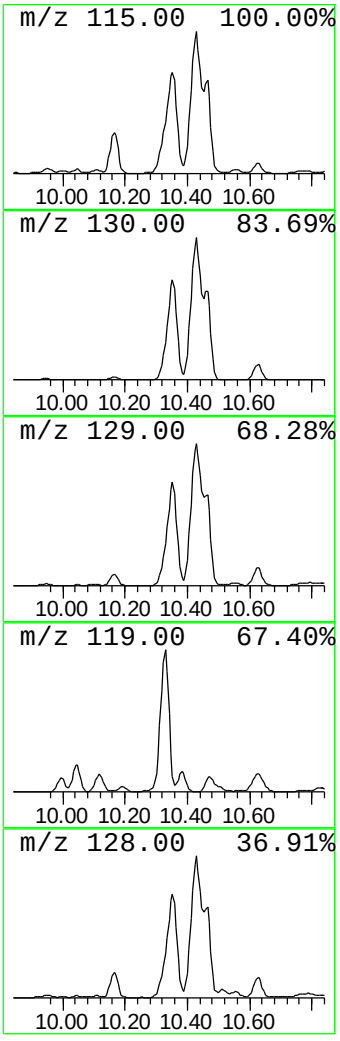
Peak Number 12 Benzene, 1-butynyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	2.08 ng/ul	4156590	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	91
2	2-Methylindene	130	C10H10	002177-47-1	70
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	64
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	55
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	50





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : G9BN9

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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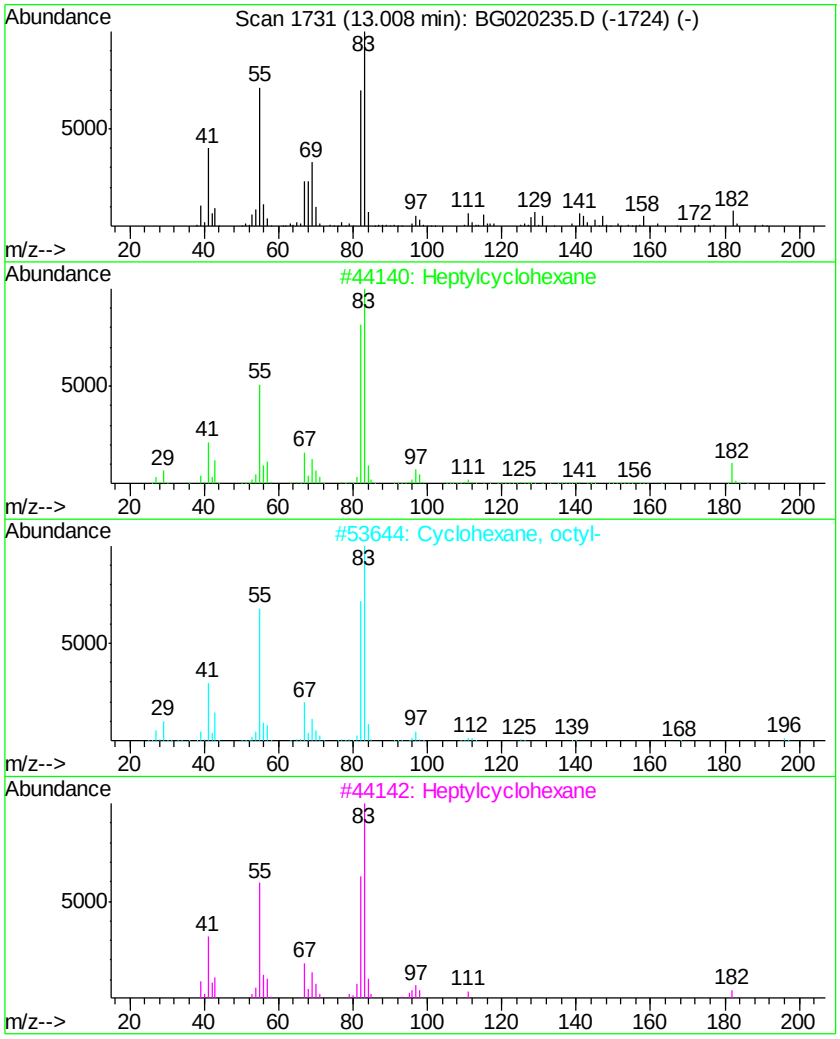
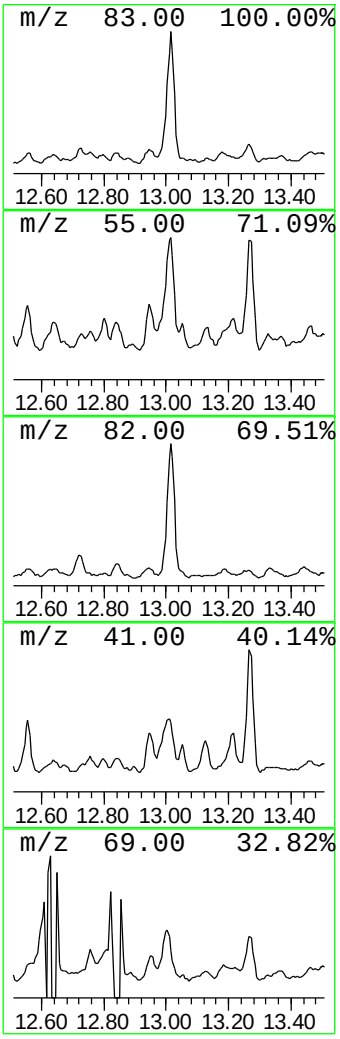
Peak Number 13 (DEL) Alkane: Cyclic13.01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	6.37 ng/ul	1186550	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	62
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	59
3	Heptylcyclohexane	182	C13H26	005617-41-4	59
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	59
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	59





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Misc :
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Instrument : BNA_G
ClientSampleId : G9BN9

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Quant Title : SVOA CALIBRATION

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

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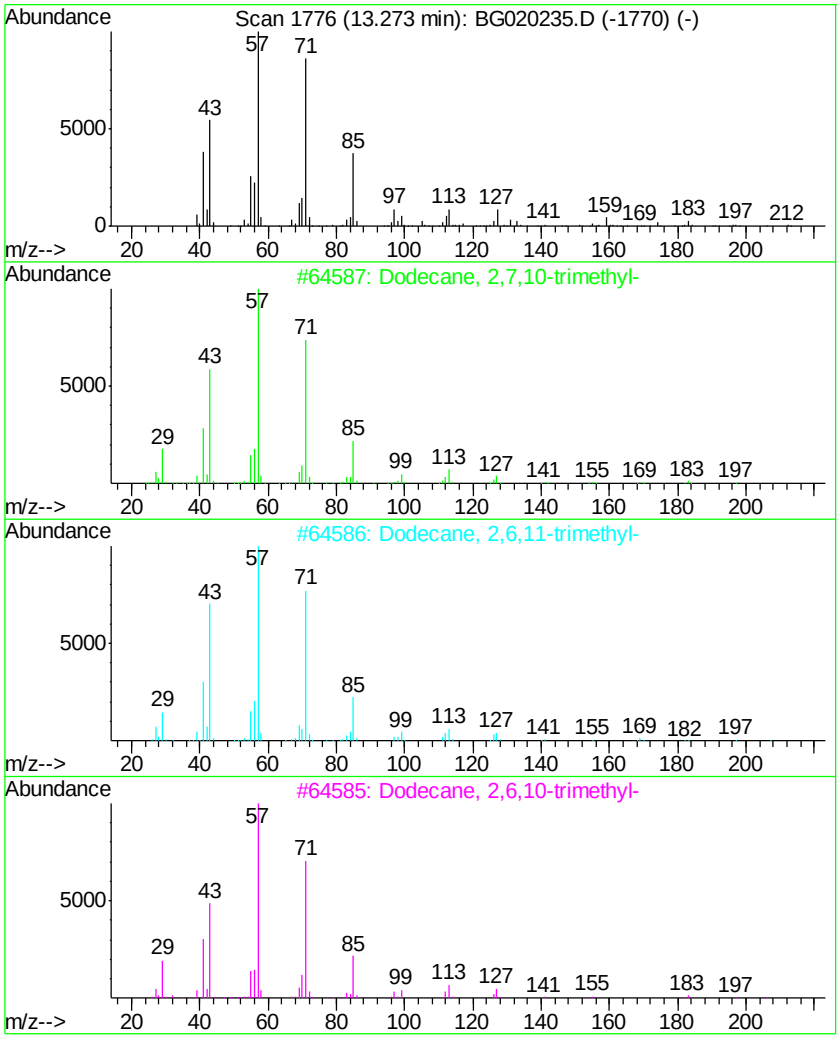
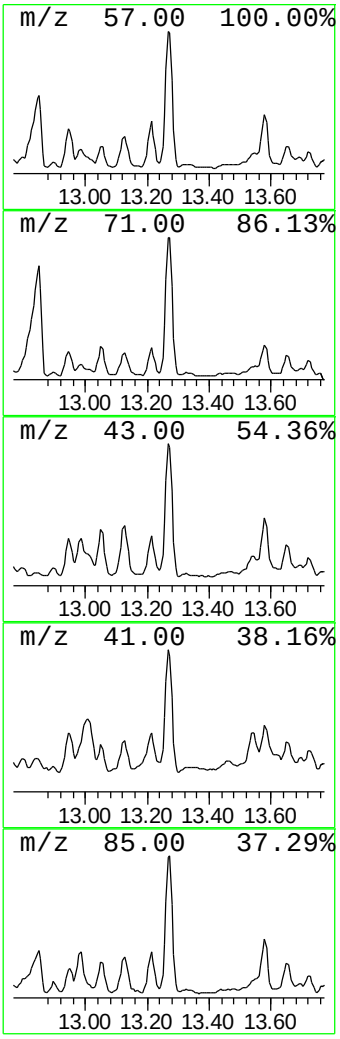
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	9.42 ng/ul	1753690	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4	Decane, 5-propyl-	184	C13H28	017312-62-8	72
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	68





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Acq On : 17 Dec 2015 00:10
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Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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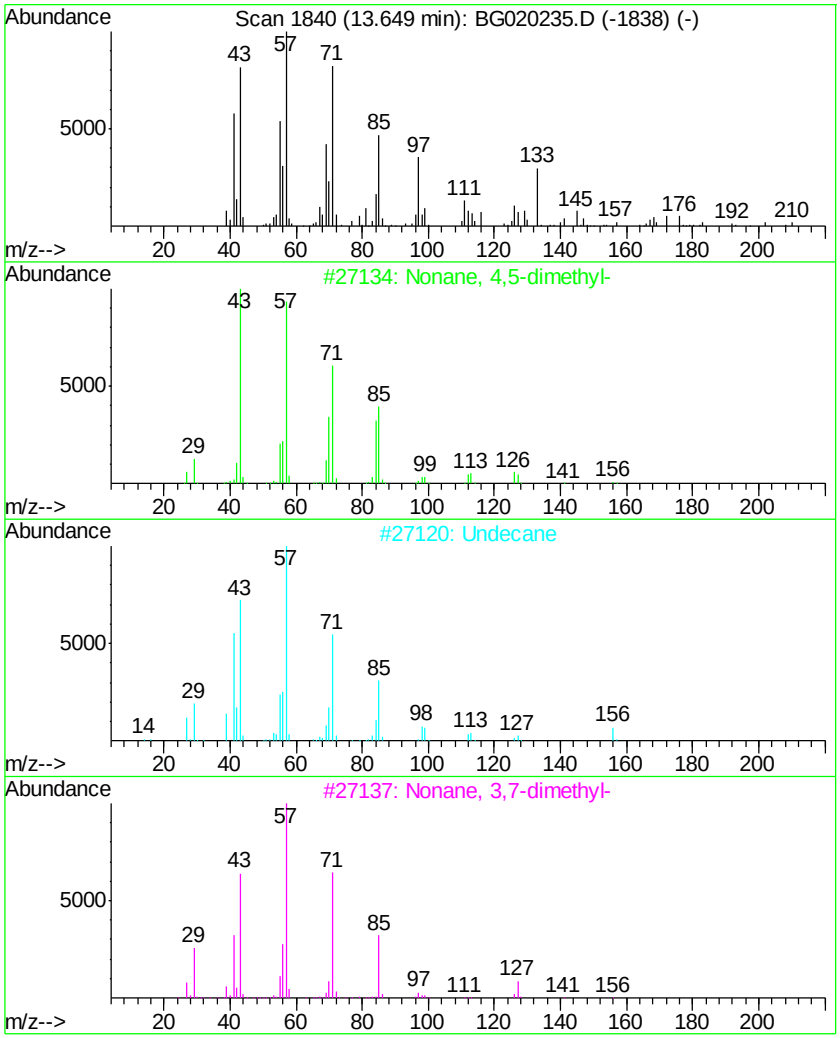
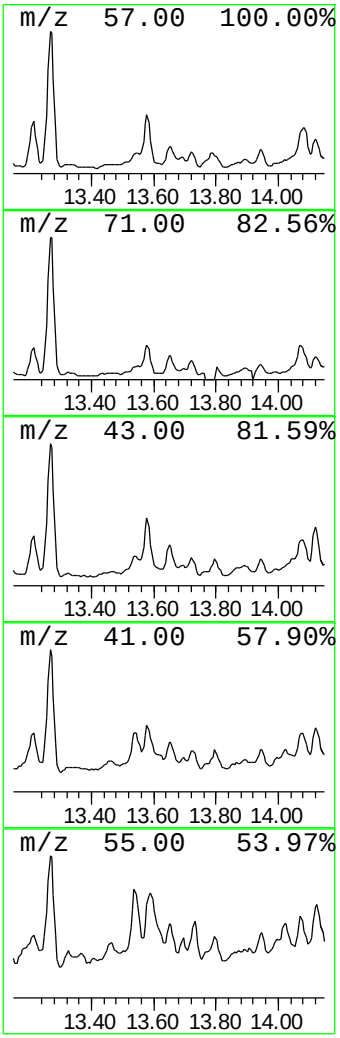
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	4.04 ng/ul	752308	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	38
2	Undecane	156	C11H24	001120-21-4	35
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	22
4	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	22
5	Decane, 3-methyl-	156	C11H24	013151-34-3	22





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Sample : G4787-17
Misc :
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Instrument : BNA_G
ClientSampleId : G9BN9

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Quant Title : SVOA CALIBRATION

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

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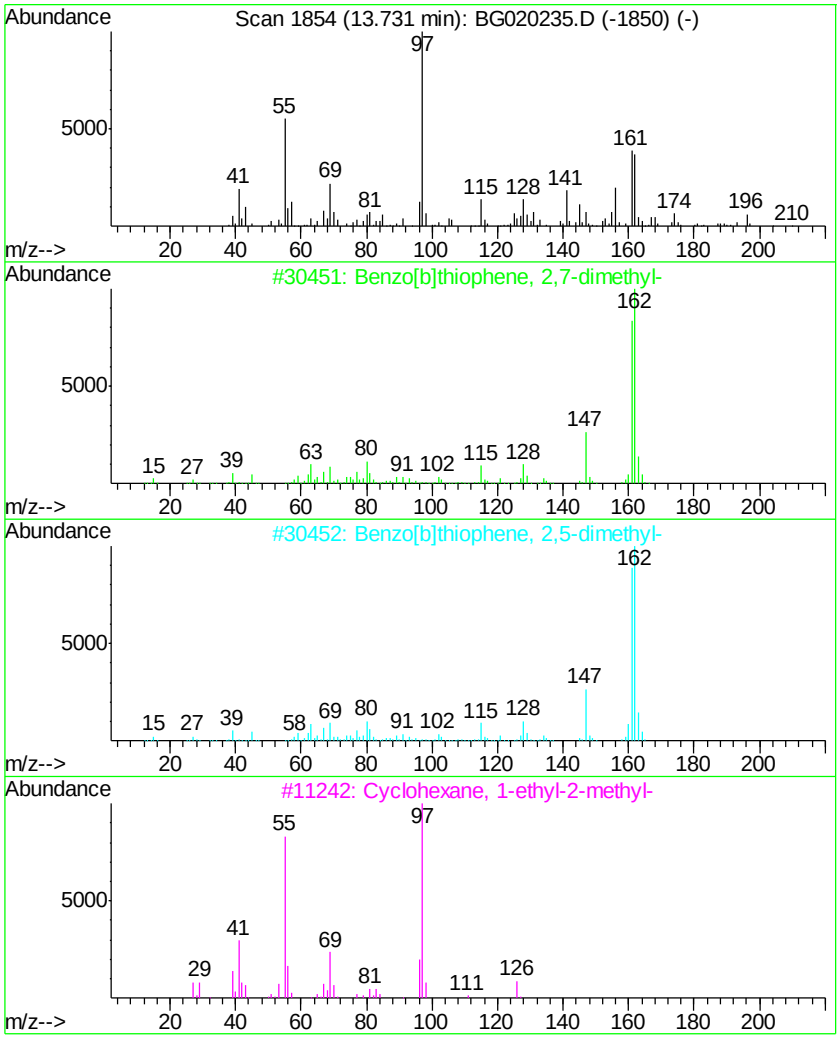
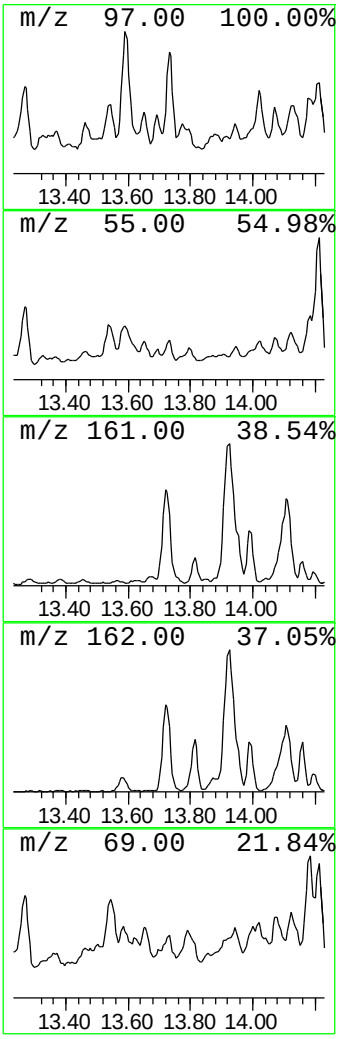
Peak Number 16 unknown-01 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.00 ng/ul	558391	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	46
2	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	38
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	15
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	15
5	Benzene, 1-(2-methoxy-1-propenyl...	162	C11H14O	053291-92-2	14





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Instrument : BNA_G
ClientSampleId : G9BN9

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Quant Title : SVOA CALIBRATION

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

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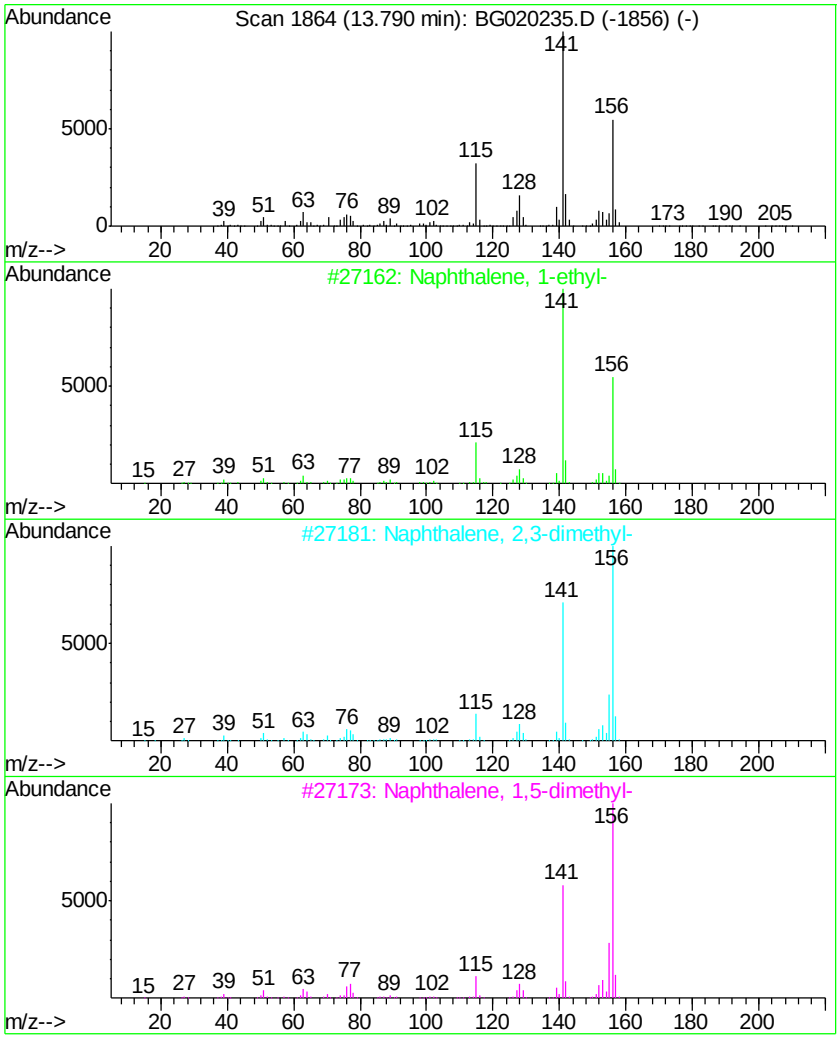
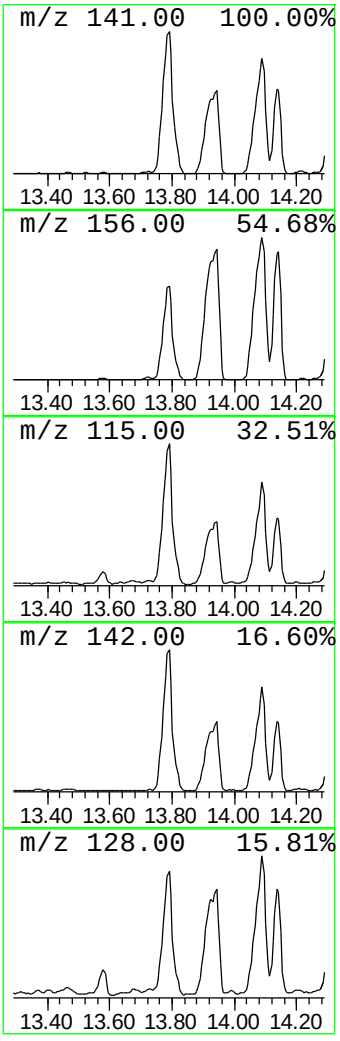
Peak Number 17 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	48.00 ng/ul	8936500	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	57.91 ng/ul	10782500	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
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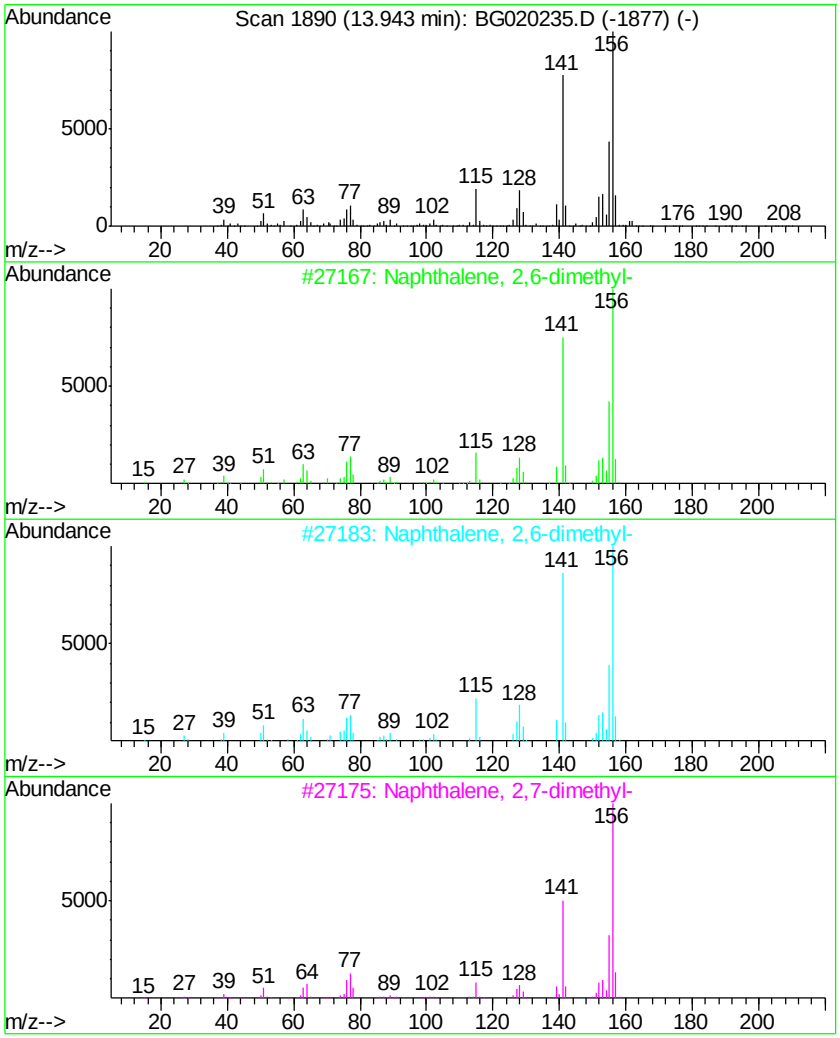

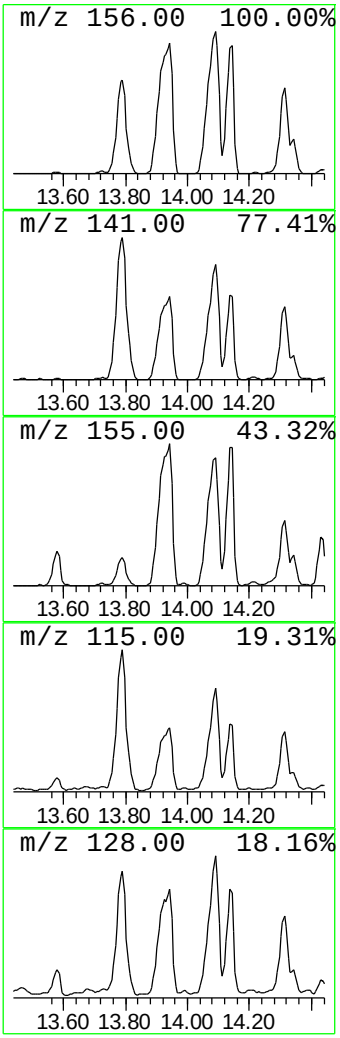

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Instrument : BNA_G
ClientSampleId : G9BN9

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Quant Title : SVOA CALIBRATION

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

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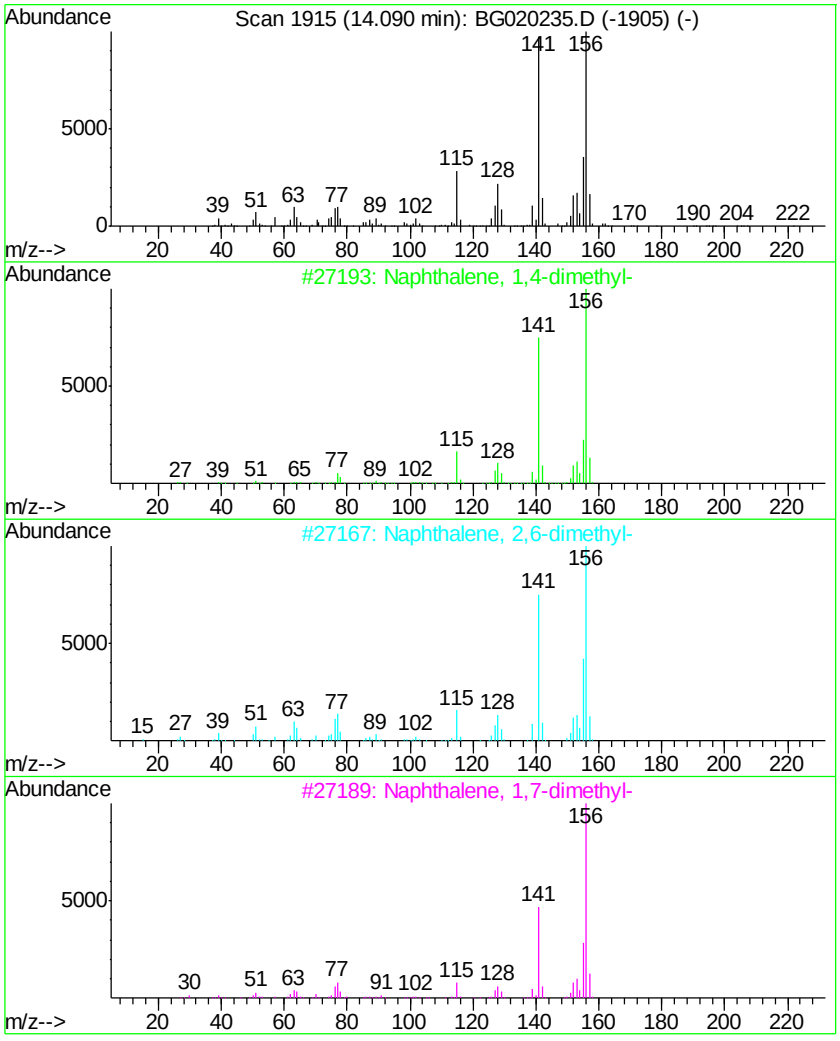
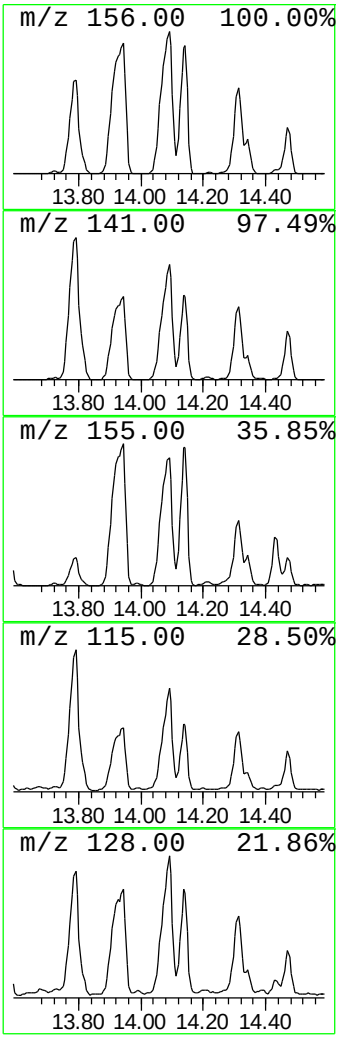
Peak Number 19 Naphthalene, 1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	54.64 ng/ul	10172900	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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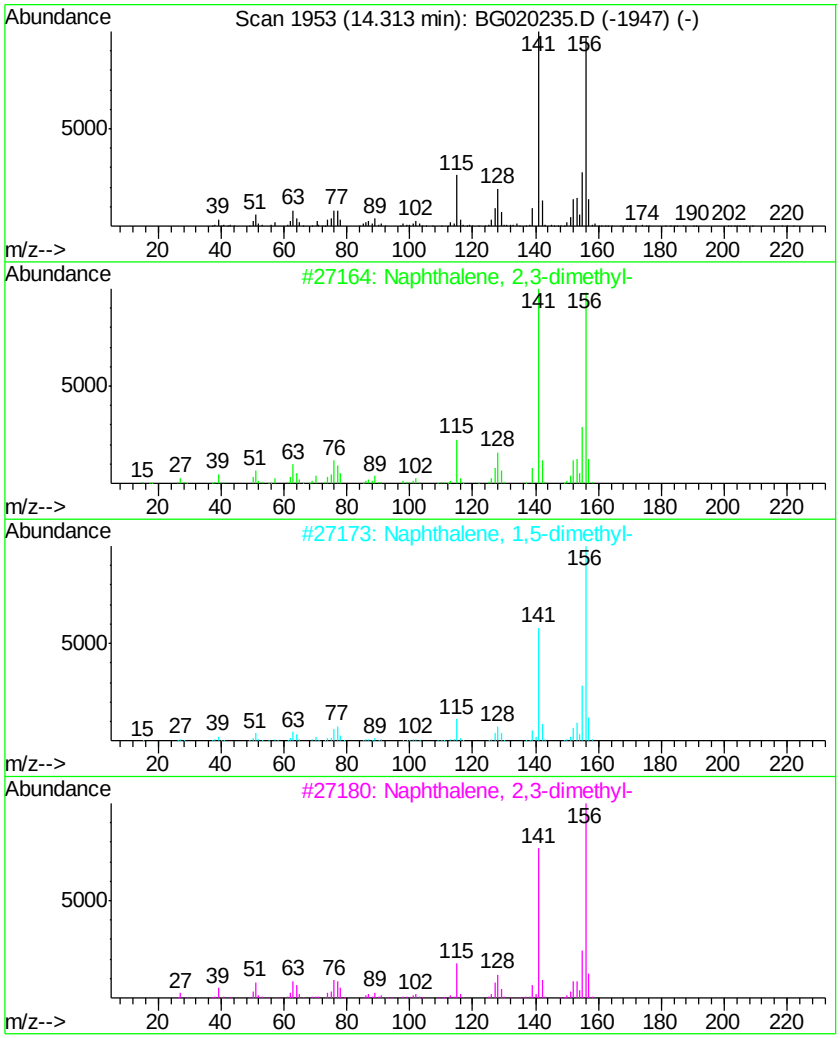
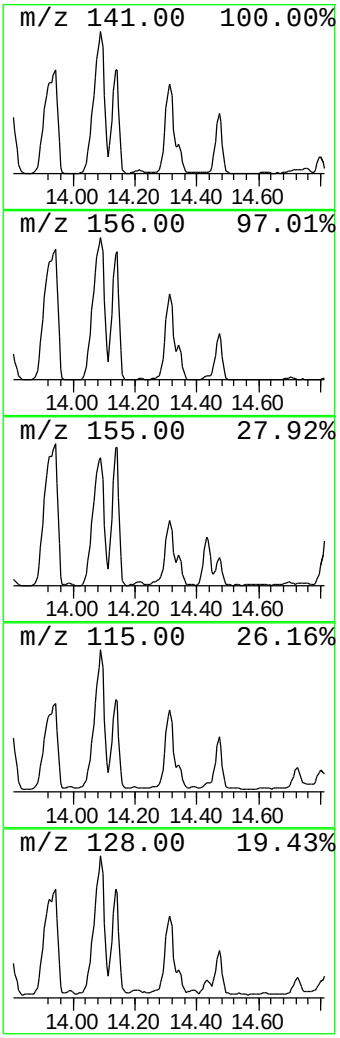
Peak Number 20 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	23.63 ng/ul	4399040	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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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, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	10.37 ng/ul	1929970	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
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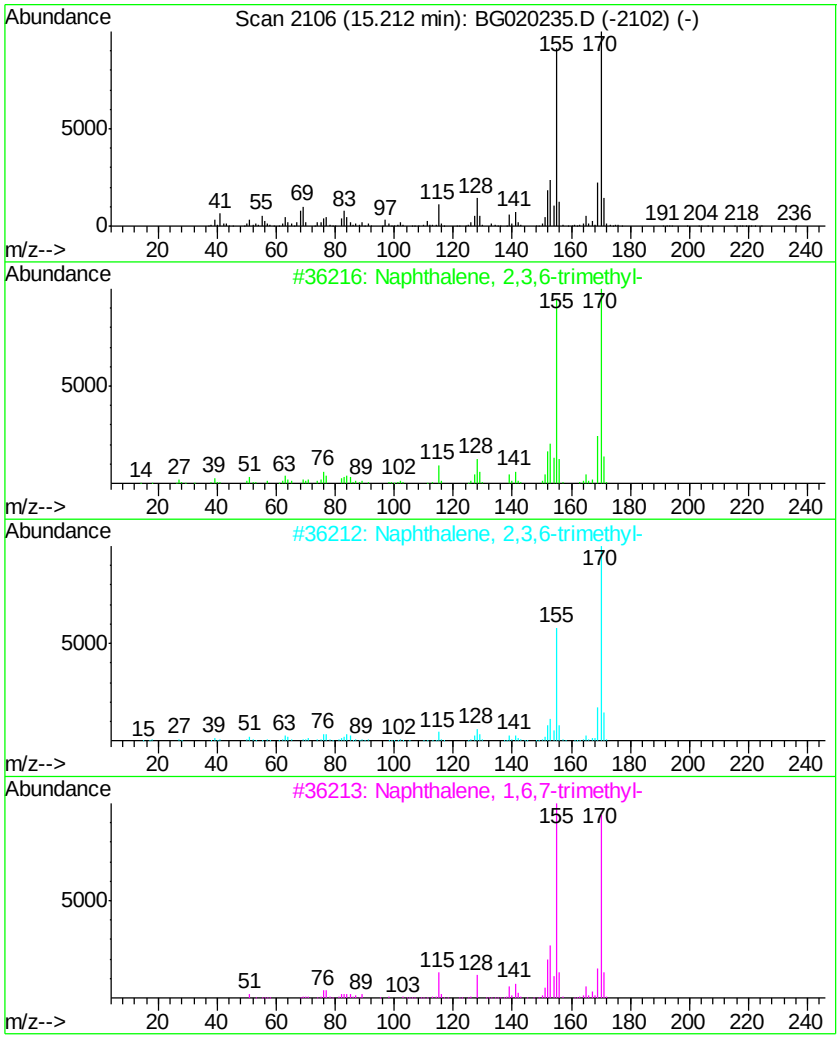

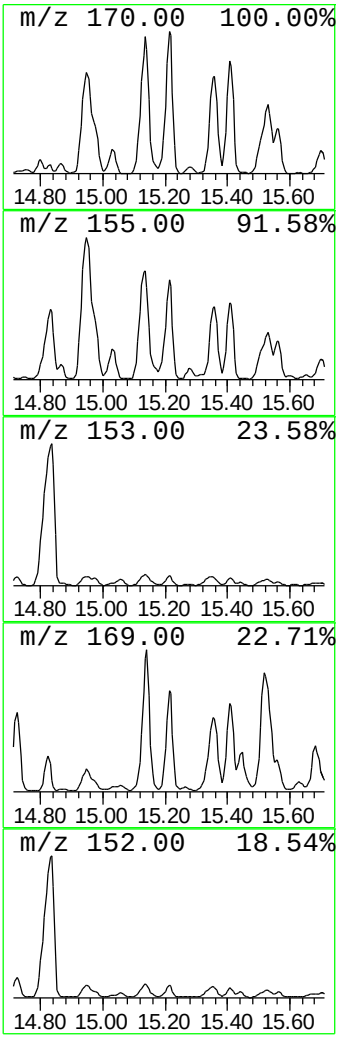

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ClientSampleId : G9BN9

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Quant Title : SVOA CALIBRATION

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

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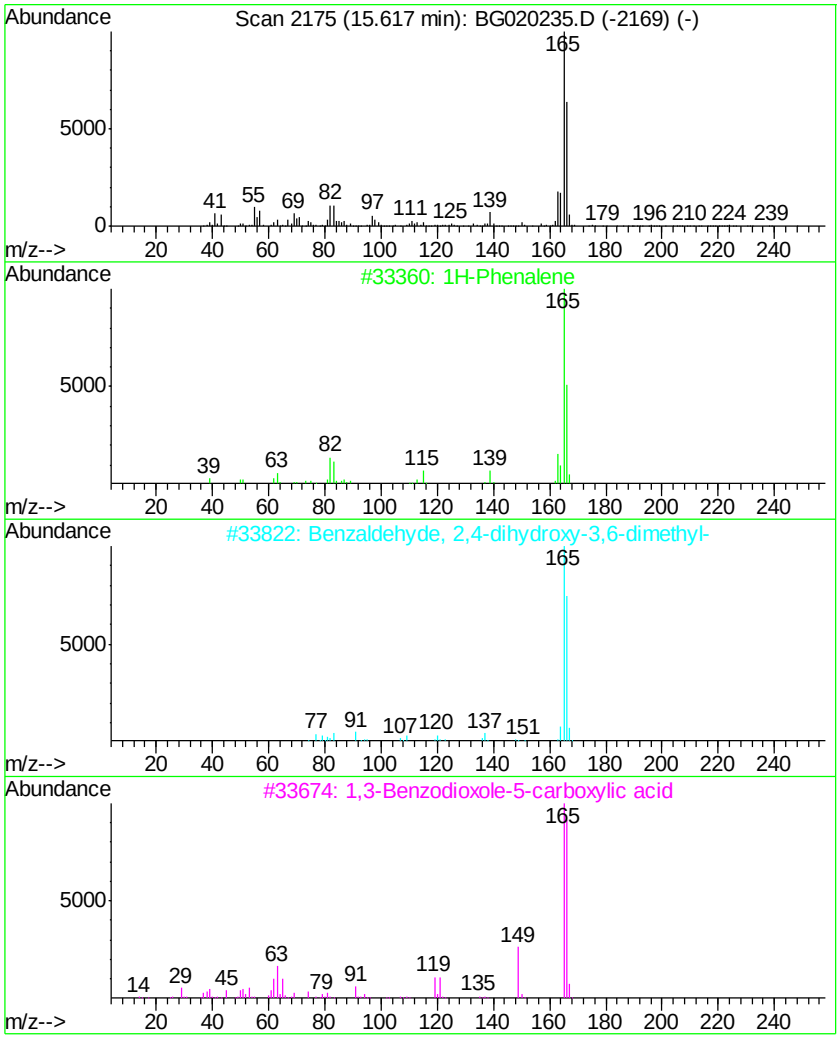
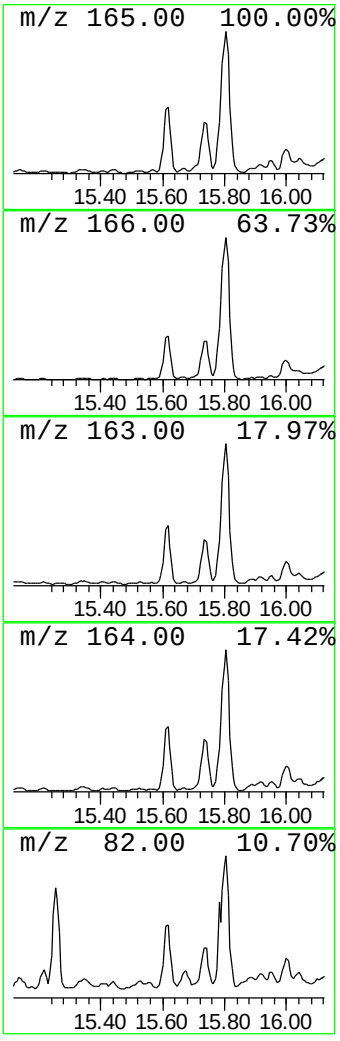
Peak Number 26 1H-Phenalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	12.75 ng/ul	2374460	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	87
2	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	59
3	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	58
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	56
5	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	53





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Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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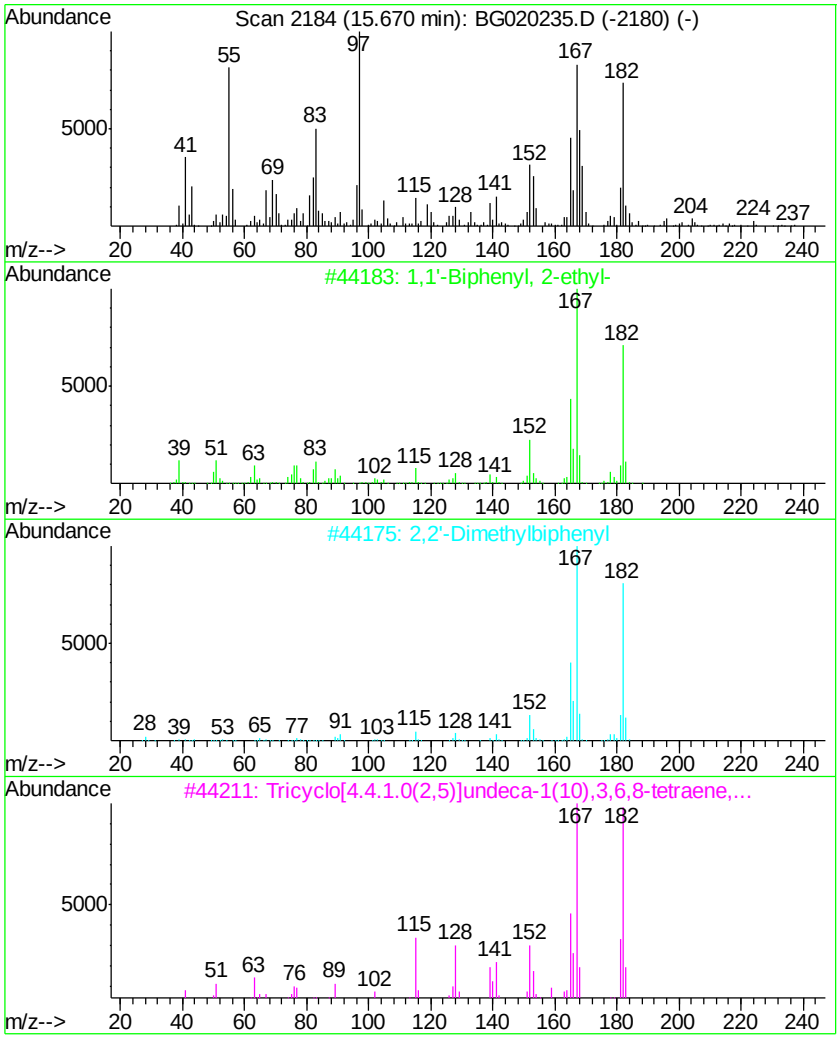
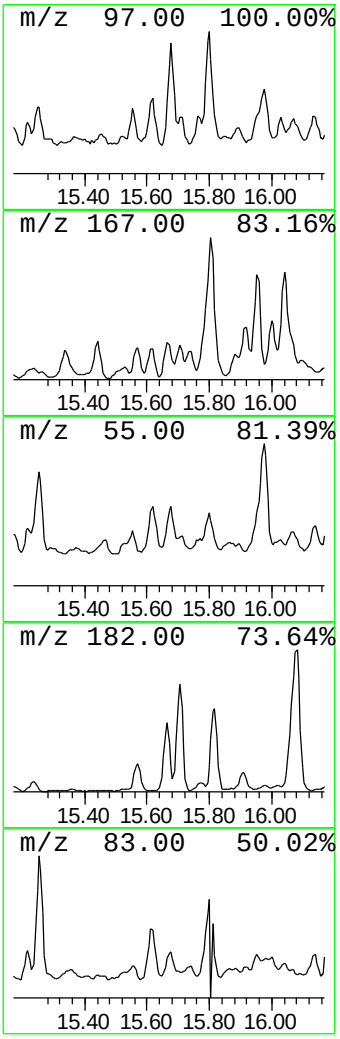
Peak Number 27 1,1'-Biphenyl, 2-ethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	5.08 ng/ul	946245	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	55
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	53
3	Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	49
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	49
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46





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Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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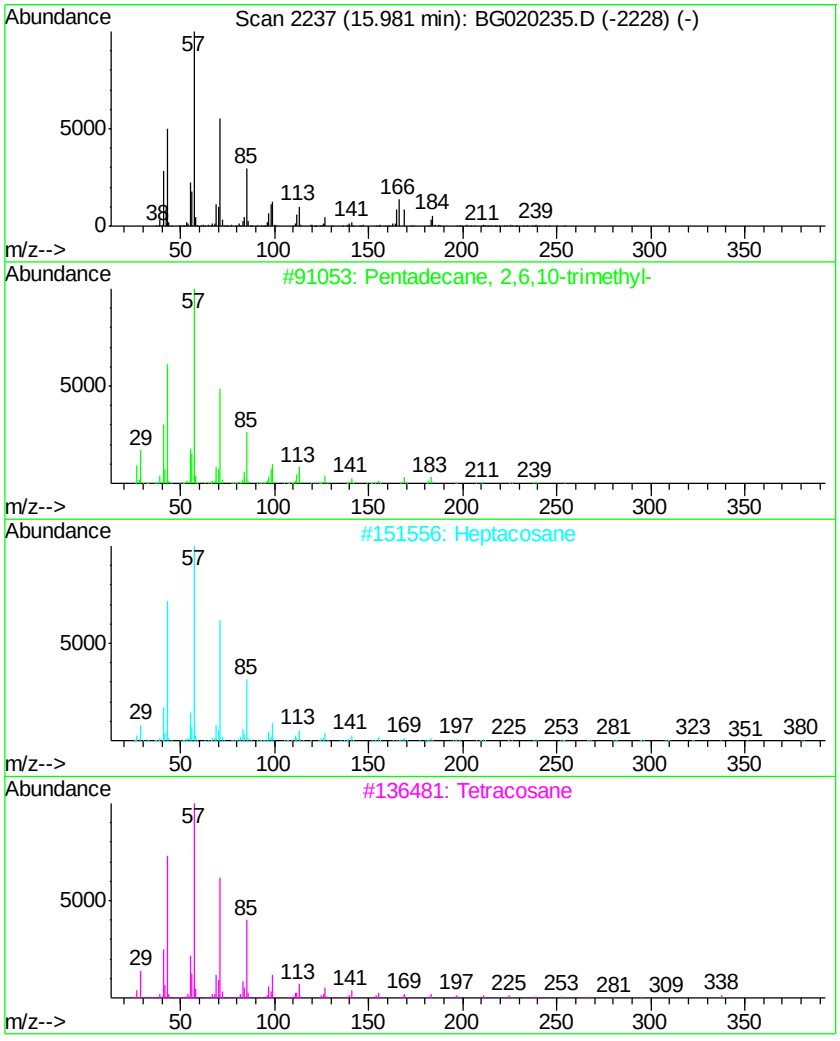
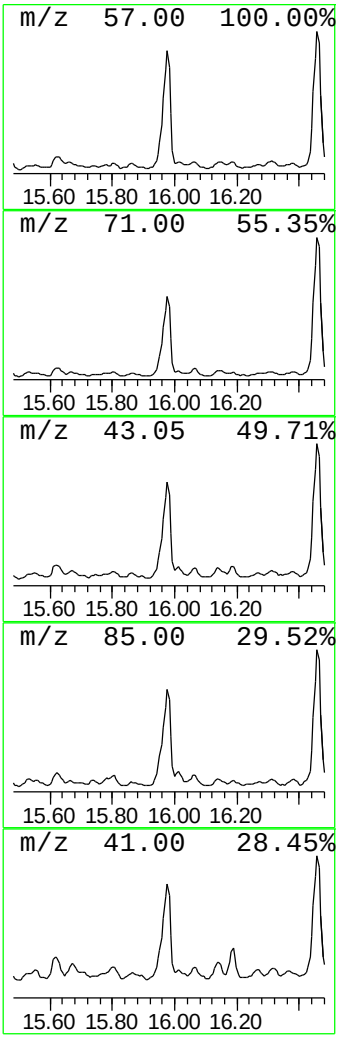
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	26.15 ng/ul	4869570	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	94
2	Heptacosane	380	C27H56	000593-49-7	80
3	Tetracosane	338	C24H50	000646-31-1	80
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64





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Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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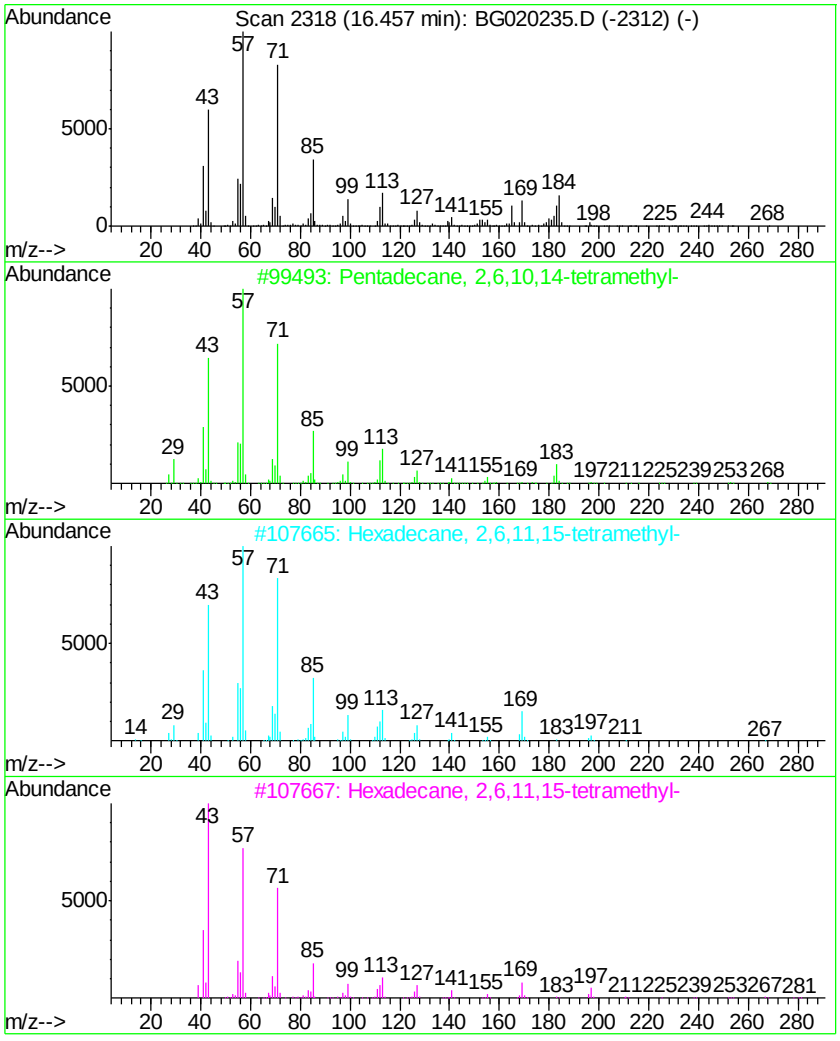
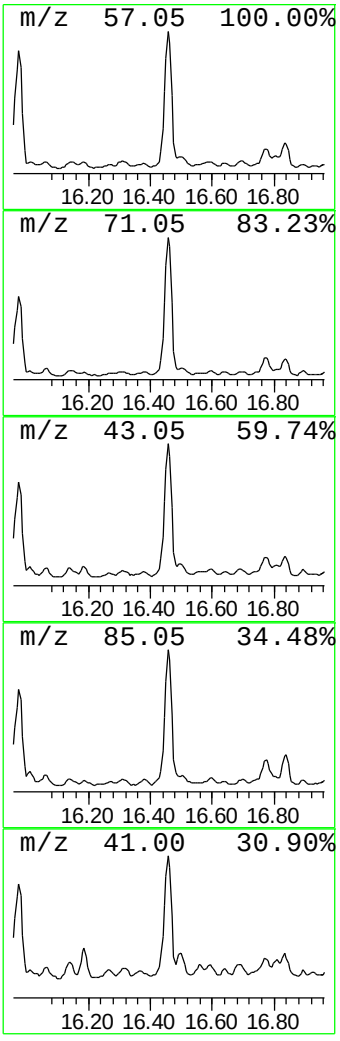
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	5.74 ng/ul	4793470	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	89
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	87
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	80
4	Dodecane	170	C12H26	000112-40-3	70
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	68





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Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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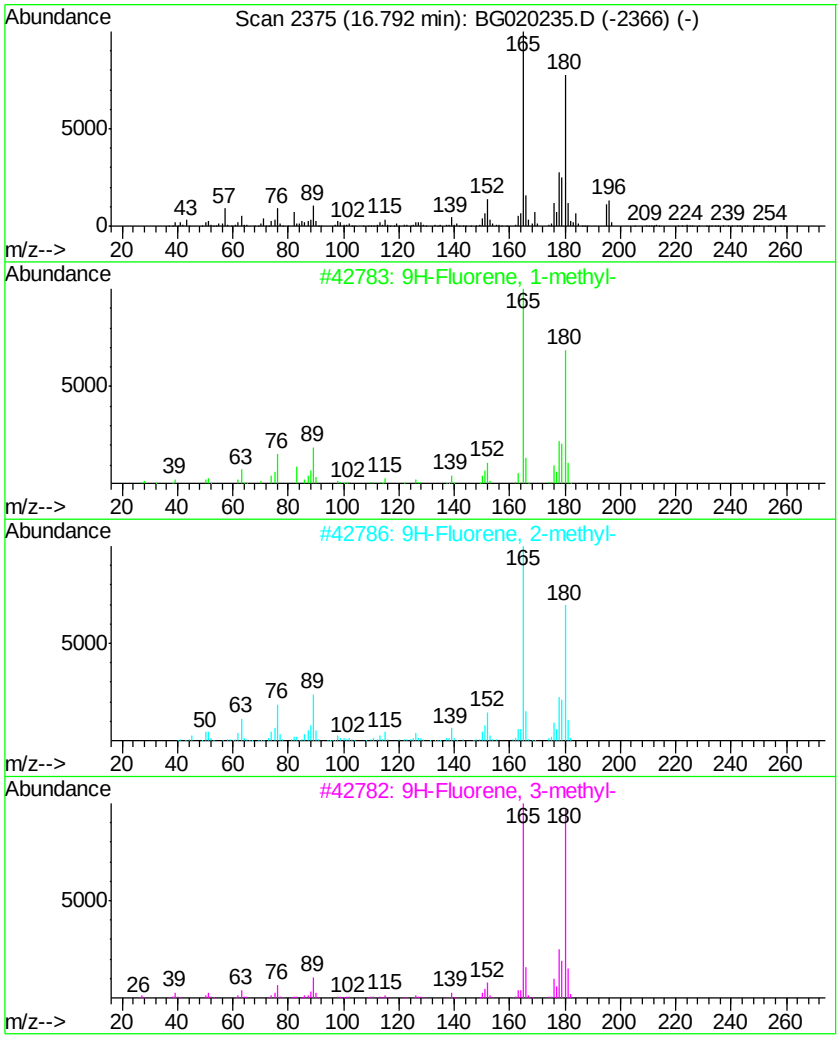
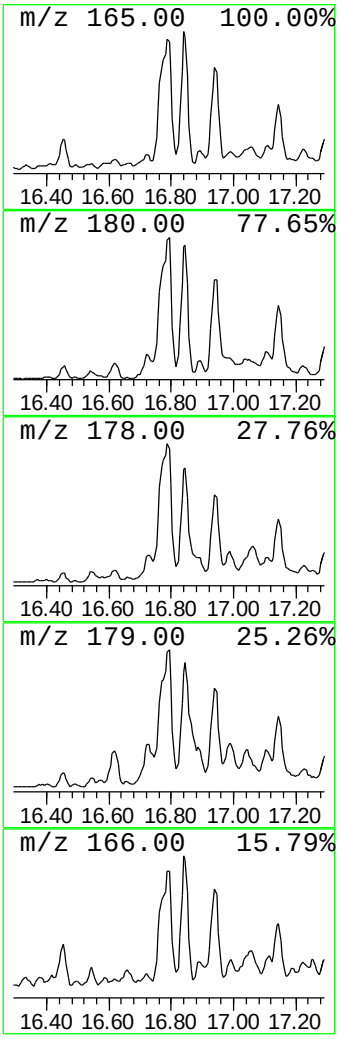
Peak Number 31 9H-Fluorene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	4.34 ng/ul	3622710	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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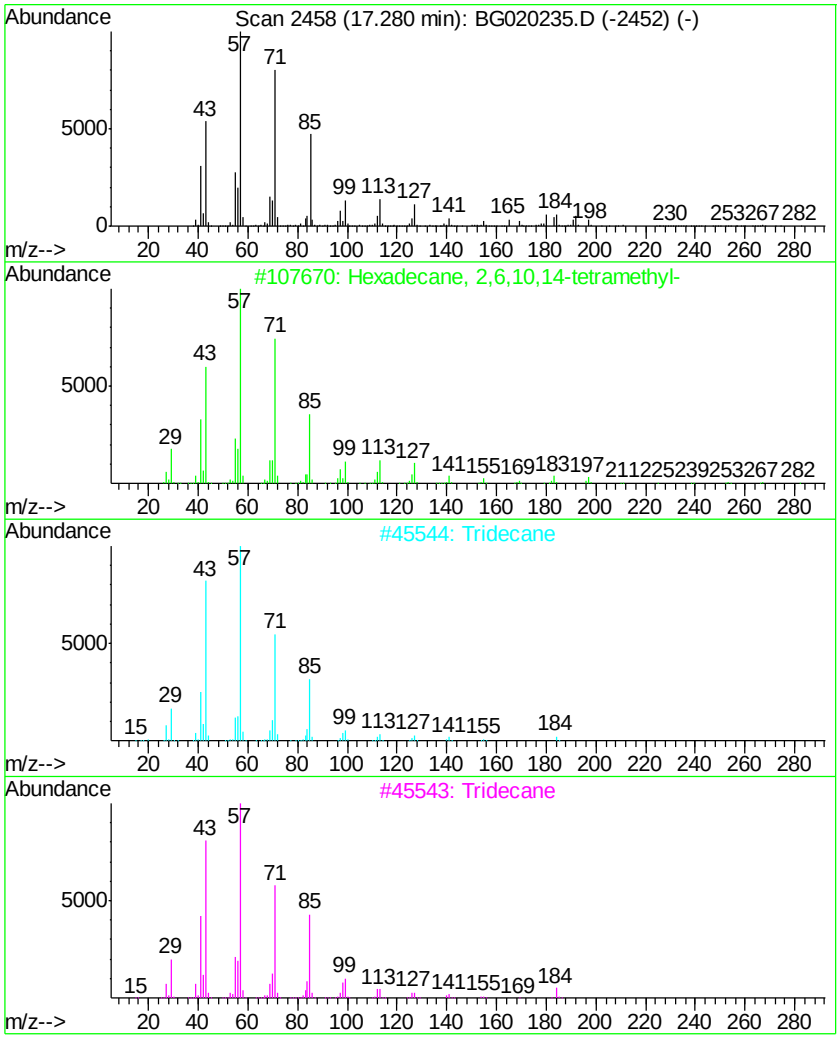
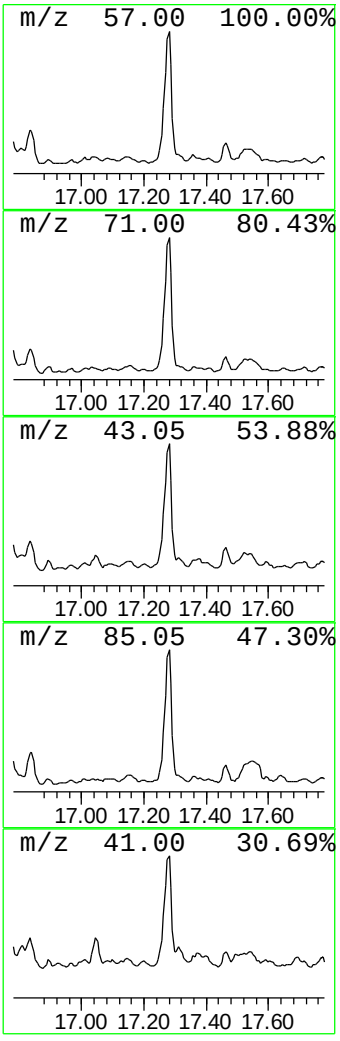
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	3.89 ng/ul	3246440	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Tridecane	184	C13H28	000629-50-5	87
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87





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Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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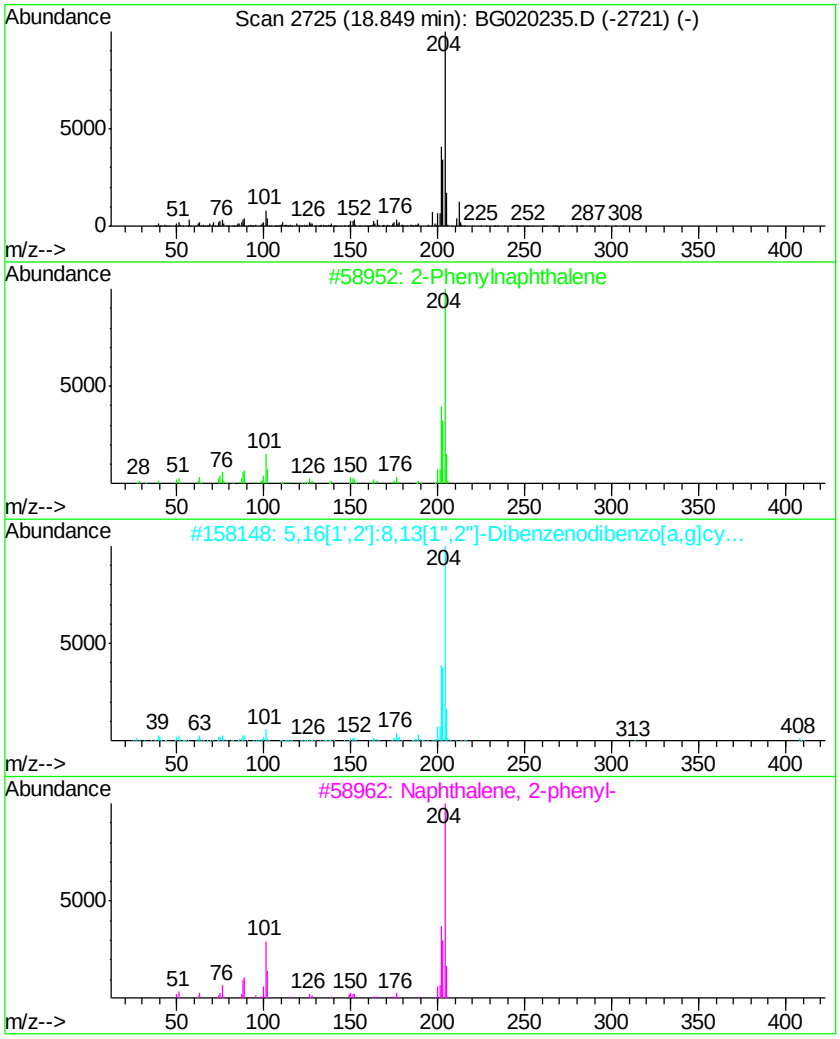
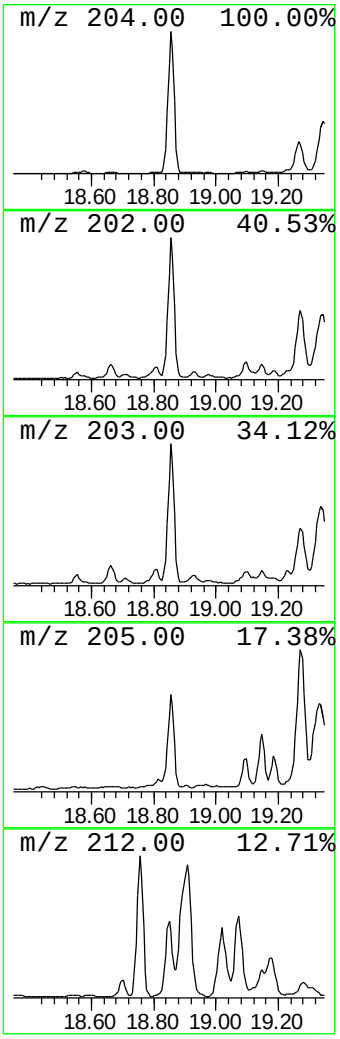
Peak Number 39 2-Phenylnaphthalene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.55 ng/ul	2126410	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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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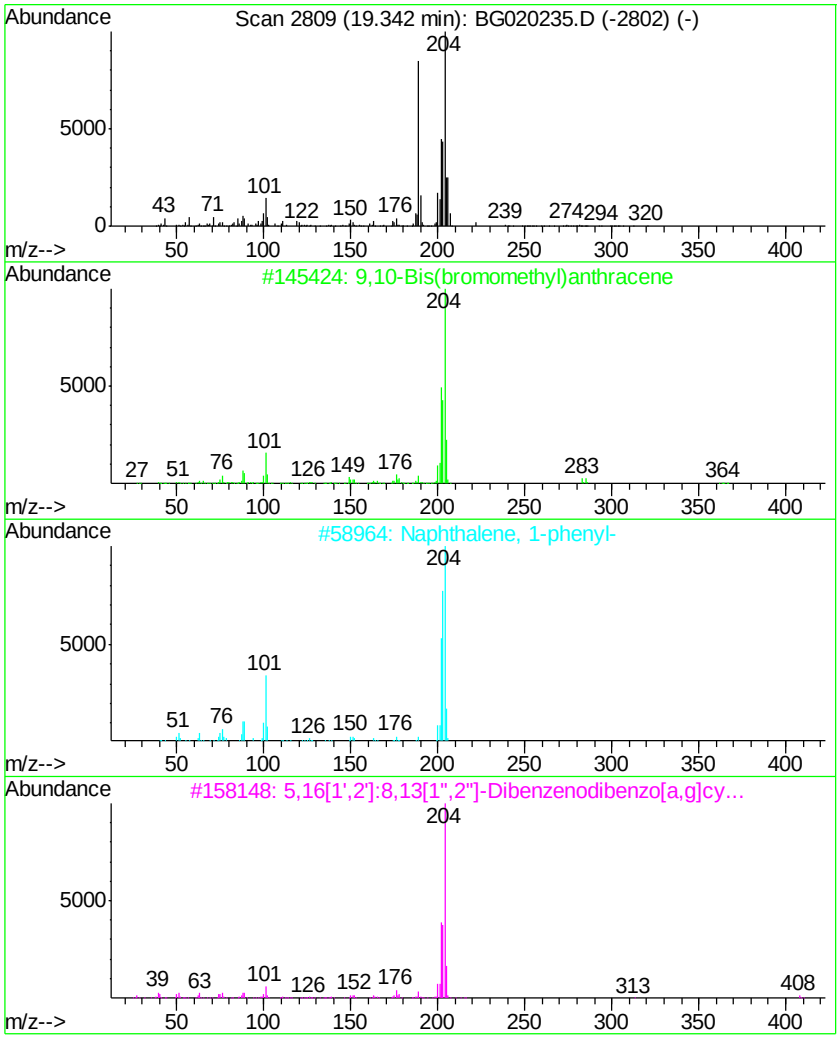
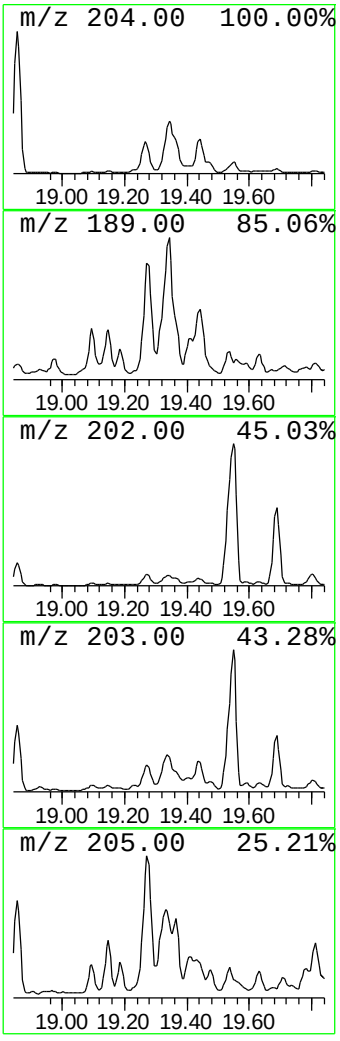
Peak Number 41 9,10-Bis(bromomethyl)anthra... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	2.31 ng/ul	1924140	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
4	(7-Isopropylidenebicyclo[2.2.1]h...	204	C13H16O2	1000211-02-2	35
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020235.D
Acq On : 17 Dec 2015 00:10
Operator : UM/SJ
Sample : G4787-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9

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
Indane	8.50	147.6	ng/ul	8023680	1	8.10	1087070	20.0
Benzene, 1,3-diet...	8.59	15.4	ng/ul	836380	1	8.10	1087070	20.0
Indene	8.64	13.9	ng/ul	758048	1	8.10	1087070	20.0
Benzene, 2-ethyl-...	8.74	26.0	ng/ul	1413220	1	8.10	1087070	20.0
Benzene, 1-ethyl-...	9.21	36.2	ng/ul	1965750	1	8.10	1087070	20.0
Benzene, 2-butenyl-	9.47	12.5	ng/ul	679859	1	8.10	1087070	20.0
Benzene, 1-butynyl-	10.34	2.1	ng/ul	4156590	2	10.96	40008500	20.0
(DEL) Alkane: Cyc...	13.01	6.4	ng/ul	1186550	3	14.74	3723810	20.0
(DEL) Alkane: Str...	13.27	9.4	ng/ul	1753690	3	14.74	3723810	20.0
(DEL) Alkane: Str...	13.65	4.0	ng/ul	752308	3	14.74	3723810	20.0
unknown-01	13.73	3.0	ng/ul	558391	3	14.74	3723810	20.0
Naphthalene, 1-et...	13.79	48.0	ng/ul	8936500	3	14.74	3723810	20.0
Naphthalene, 2,6-...	13.94	57.9	ng/ul	10782500	3	14.74	3723810	20.0
Naphthalene, 1,4-...	14.09	54.6	ng/ul	10172900	3	14.74	3723810	20.0
Naphthalene, 2,3-...	14.31	23.6	ng/ul	4399040	3	14.74	3723810	20.0
Naphthalene, 2,3,...	15.21	10.4	ng/ul	1929970	3	14.74	3723810	20.0
1H-Phenalene	15.62	12.8	ng/ul	2374460	3	14.74	3723810	20.0
1,1'-Biphenyl, 2-...	15.67	5.1	ng/ul	946245	3	14.74	3723810	20.0
(DEL) Alkane: Str...	15.98	26.1	ng/ul	4869570	3	14.74	3723810	20.0
(DEL) Alkane: Str...	16.46	5.7	ng/ul	4793470	4	17.49	16691100	20.0
9H-Fluorene, 1-me...	16.79	4.3	ng/ul	3622710	4	17.49	16691100	20.0
(DEL) Alkane: Str...	17.28	3.9	ng/ul	3246440	4	17.49	16691100	20.0
2-Phenylnaphthalene	18.85	2.5	ng/ul	2126410	4	17.49	16691100	20.0
9,10-Bis(bromomet...	19.34	2.3	ng/ul	1924140	4	17.49	16691100	20.0