LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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-BG070615.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	2.887	30	34	45	rVB	311726	416259	19.18%	1.337%
2	4.033	225	229	232	rBV4	20089	27926	1.29%	0.090%
3	4.309	272	276	281	rVV4	23424	37807	1.74%	0.121%
4	4.591	319	324	329	rVB2	45980	69219	3.19%	0.222%
5	4.679	335	339	345	rBV	46995	73112	3.37%	0.235%
6	4.738	345	349	354	rVV7	21590	40031	1.84%	0.129%
7	4.844	363	367	372	rVV4	46831	75215	3.47%	0.242%
8	5.079	402	407	415	rVB4	55651	125378	5.78%	0.403%
9	5.431	460	467	472	rVB8	22175	42388	1.95%	0.136%
10	5.508	473	480	484	rBV4	25790	46069	2.12%	0.148%
11	5.584	488	493	497	rVV2	55716	82069	3.78%	0.264%
12	5.649	497	504	510	rVB5	48147	100216	4.62%	0.322%
13	5.725	510	517	521	rBV6	21745	34102	1.57%	0.110%
14	5.807	525	531	535	rBV6	18213	33384	1.54%	0.107%
15	5.901	539	547	554	rBV5	74441	186096	8.58%	0.598%
16	6.019	560	567	573	rVB3	45080	95386	4.40%	0.306%
17	6.107	577	582	590	rBV4	68019	137429	6.33%	0.441%
18	6.183	590	595	599	rVV	98465	141967	6.54%	0.456%
19	6.230	600	603	604	rVV2	23151	27600	1.27%	0.089%
20	6.260	604	608	610	rVV4	62196	101548	4.68%	0.326%
21	6.289	610	613	618	rVV3	65825	99433	4.58%	0.319%
22	6.366	621	626	632	rVB9	17151	30168	1.39%	0.097%
23	6.436	634	638	643	rVB7	22680	39527	1.82%	0.127%
24	6.518	643	652	657	rBV4	49947	121403	5.59%	0.390%
25	6.577	657	662	664	rBV3	22765	34780	1.60%	0.112%
26	6.612	664	668	674	rVB3	59455	86218	3.97%	0.277%
27	6.712	681	685	688	rBV5	23849	30729	1.42%	0.099%
28	6.777	688	696	703	rBV	353019	617578	28.46%	1.983%
29	6.836	703	706	713	rVB3	20563	34003	1.57%	0.109%
30	6.947	719	725	730	rBV	261154	396780	18.28%	1.274%
31	7.094	747	750	752	rVV2	26349	32057	1.48%	0.103%
32	7.135	752	757	770	rVB	350475	585715	26.99%	1.881%
33	7.253	772	777	785	rBV	47448	91877	4.23%	0.295%
34	7.329	786	790	795	rVB3	19663	31737	1.46%	0.102%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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-BG070615.M
Title : SVOA CALIBRATION

35	7.605	829	837	843	rBV2	445903	771250	35.54%	2.477%
36	7.799	865	870	874	rBV7	21067	29515	1.36%	0.095%
37	7.887	879	885	889	rBV3	33867	65124	3.00%	0.209%
38	7.975	893	900	904	rVB3	41291	73464	3.39%	0.236%
39	8.134	923	927	934	rVB4	56313	101904	4.70%	0.327%
40	8.240	941	945	949	rBV3	20860	33675	1.55%	0.108%
41	8.310	950	957	964	rVB	422117	669193	30.84%	2.149%
42	8.422	971	976	981	rVB7	24875	40548	1.87%	0.130%
43	8.704	1012	1024	1027	rBV4	38811	89115	4.11%	0.286%
44	8.751	1027	1032	1044	rVB	294493	542151	24.98%	1.741%
45	8.951	1063	1066	1072	rVB6	35534	60548	2.79%	0.194%
46	9.068	1080	1086	1087	rBV4	16937	26864	1.24%	0.086%
47	9.415	1140	1145	1148	rBV7	12975	25764	1.19%	0.083%
48	9.474	1149	1155	1161	rVV	246868	432382	19.93%	1.389%
49	9.579	1167	1173	1179	rVB8	17584	44561	2.05%	0.143%
50	9.791	1205	1209	1214	rBV7	17143	38992	1.80%	0.125%
51	10.003	1239	1245	1253	rVB	415964	698675	32.20%	2.244%
52	10.384	1299	1310	1315	rBV	648632	1096426	50.53%	3.521%
53	10.431	1315	1318	1325	rVB	186726	295935	13.64%	0.950%
54	10.525	1325	1334	1346	rBV	353887	700905	32.30%	2.251%
55	11.424	1483	1487	1491	rVV3	24500	37387	1.72%	0.120%
56	11.771	1542	1546	1552	rVB6	19337	32293	1.49%	0.104%
57	11.947	1572	1576	1584	rVB3	21326	39817	1.83%	0.128%
58	12.053	1584	1594	1602	rVB3	22807	57898	2.67%	0.186%
59	12.276	1623	1632	1638	rBV	124218	222656	10.26%	0.715%
60	12.799	1717	1721	1727	rVV4	22696	35575	1.64%	0.114%
61	13.081	1762	1769	1777	rBV	74336	137470	6.34%	0.441%
62	13.305	1805	1807	1815	rVB2	36449	50697	2.34%	0.163%
63	13.428	1818	1828	1835	rBV4	146419	394089	18.16%	1.266%
64	13.493	1835	1839	1844	rBV6	17555	27202	1.25%	0.087%
65	13.575	1847	1853	1859	rBV2	199030	335138	15.44%	1.076%
66	13.675	1864	1870	1874	rBV	638540	907961	41.84%	2.916%
67	13.722	1874	1878	1882	rVB	199374	263215	12.13%	0.845%
68	13.810	1888	1893	1897	rBV	99565	157296	7.25%	0.505%
69	13.945	1910	1916	1927	rBV	754214	1276001	58.80%	4.098%
70	14.174	1950	1955	1959	rBV6	24640	34389	1.58%	0.110%
71	14.256	1959	1969	1975	rBV2	991059	1571229	72.41%	5.046%

LSC Area Percent Report

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Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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-BG070615.M
Title : SVOA CALIBRATION

72	14.321	1975	1980	1984	rBV	123929	170225	7.84%	0.547%
73	14.391	1989	1992	1997	rVB7	18315	27321	1.26%	0.088%
74	14.462	1998	2004	2016	rBV3	339826	578101	26.64%	1.856%
75	14.662	2027	2038	2045	rVB5	114168	274491	12.65%	0.881%
76	14.738	2047	2051	2055	rVB	88115	105825	4.88%	0.340%
77	14.803	2058	2062	2066	rBV6	71826	154618	7.13%	0.497%
78	15.255	2134	2139	2144	rVB	927445	1302002	60.00%	4.181%
79	15.308	2144	2148	2154	rVV	134847	189547	8.73%	0.609%
80	15.373	2155	2159	2163	rVV3	125332	176715	8.14%	0.567%
81	15.437	2167	2170	2173	rVB3	34952	40630	1.87%	0.130%
82	15.537	2182	2187	2193	rVB3	67918	134212	6.18%	0.431%
83	15.995	2261	2265	2267	rBV3	75009	115259	5.31%	0.370%
84	16.789	2398	2400	2402	rBV2	36831	29292	1.35%	0.094%
85	16.830	2403	2407	2413	rVB2	127579	233501	10.76%	0.750%
86	17.012	2432	2438	2441	rBV2	1144213	1697681	78.23%	5.452%
87	17.053	2441	2445	2449	rVB	500409	695748	32.06%	2.234%
88	17.106	2449	2454	2458	rBV2	947654	1324995	61.06%	4.255%
89	17.535	2523	2527	2531	rVB3	60564	85583	3.94%	0.275%
90	17.729	2557	2560	2567	rVB4	106201	171713	7.91%	0.551%
91	17.887	2583	2587	2590	rBV	164360	243970	11.24%	0.783%
92	17.929	2591	2594	2600	rVB2	256056	391738	18.05%	1.258%
93	18.081	2615	2620	2624	rBV3	159860	311014	14.33%	0.999%
94	18.393	2671	2673	2677	rVB	92103	95716	4.41%	0.307%
95	19.098	2789	2793	2797	rBV	264138	361625	16.66%	1.161%
96	19.415	2842	2847	2850	rBV	1027567	1442523	66.48%	4.632%
97	20.937	3103	3106	3115	rVB3	220173	313019	14.42%	1.005%
98	21.207	3146	3152	3156	rBV	1545343	2169996	100.00%	6.969%
99	23.293	3501	3507	3511	rBV2	572699	1008258	46.46%	3.238%
100	23.434	3525	3531	3538	rVB2	953065	1752167	80.75%	5.627%

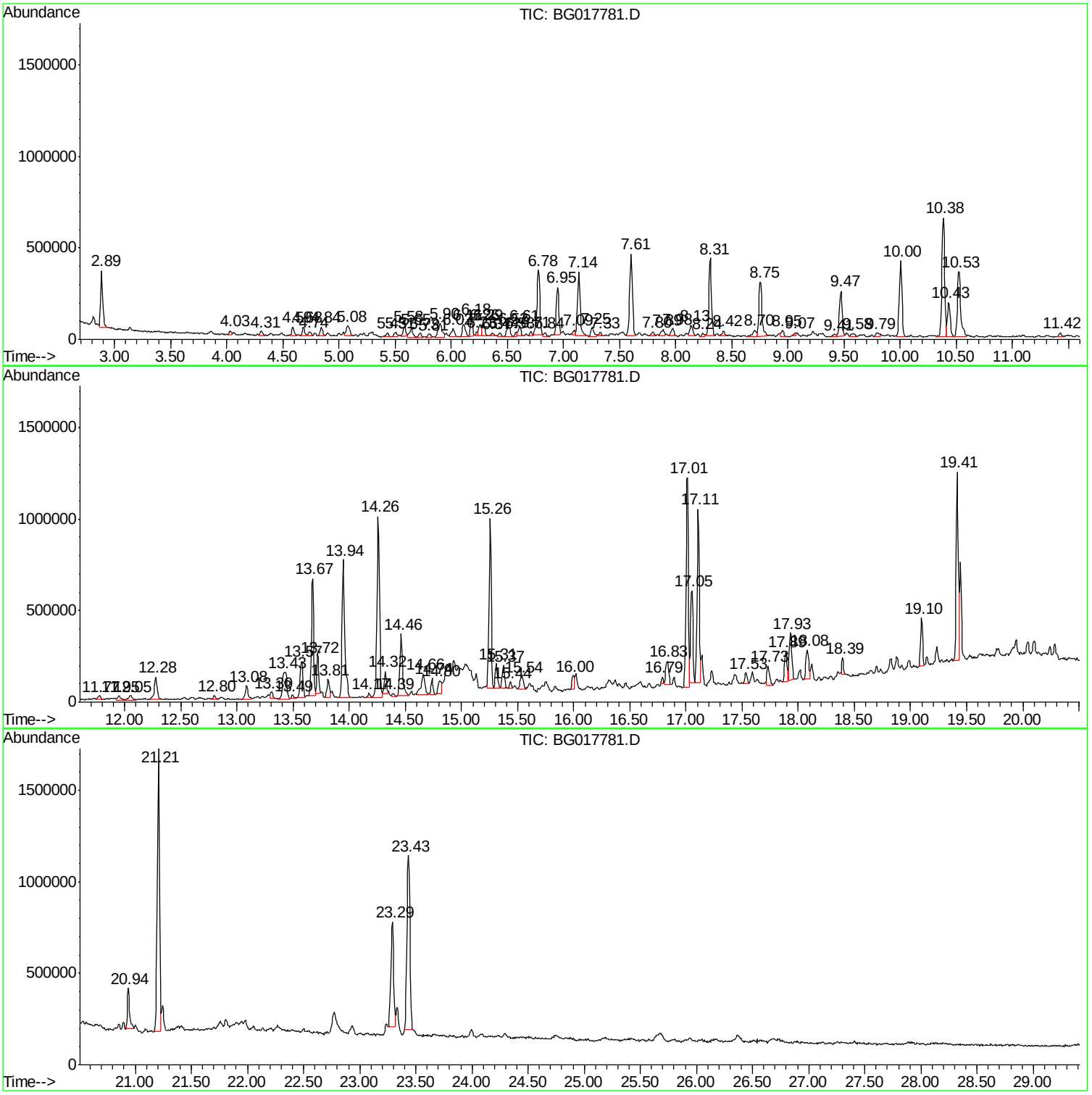
Sum of corrected areas: 31139995

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

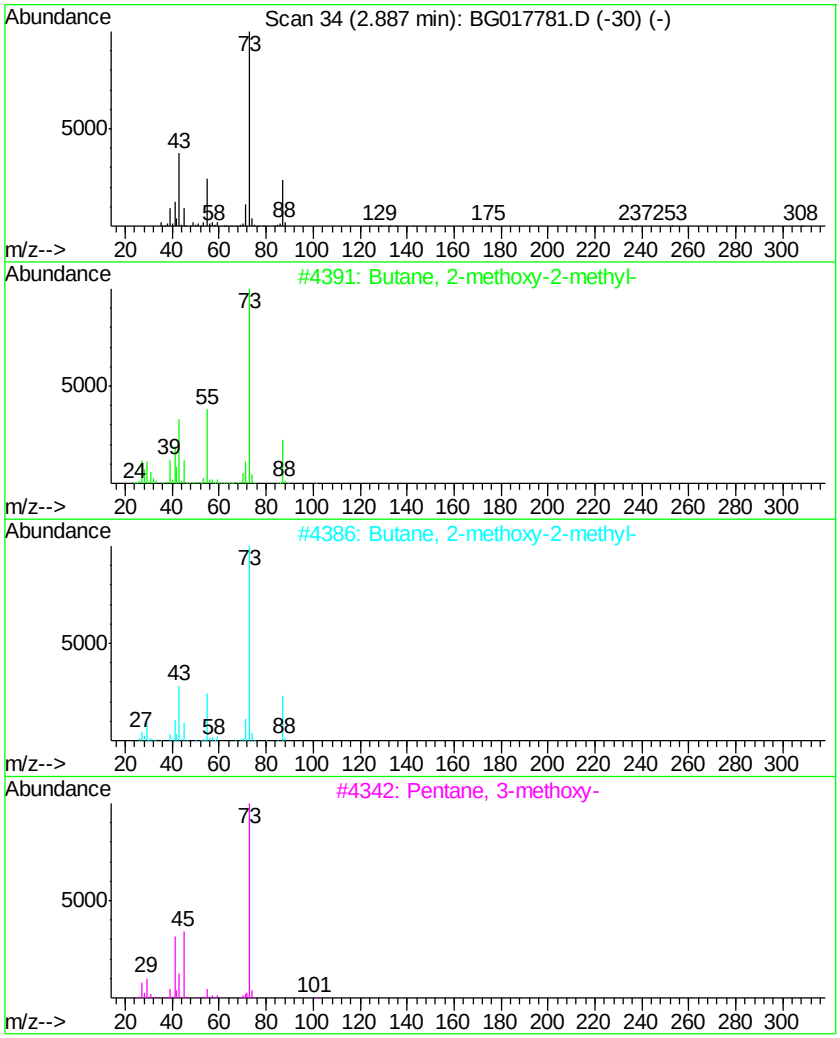
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

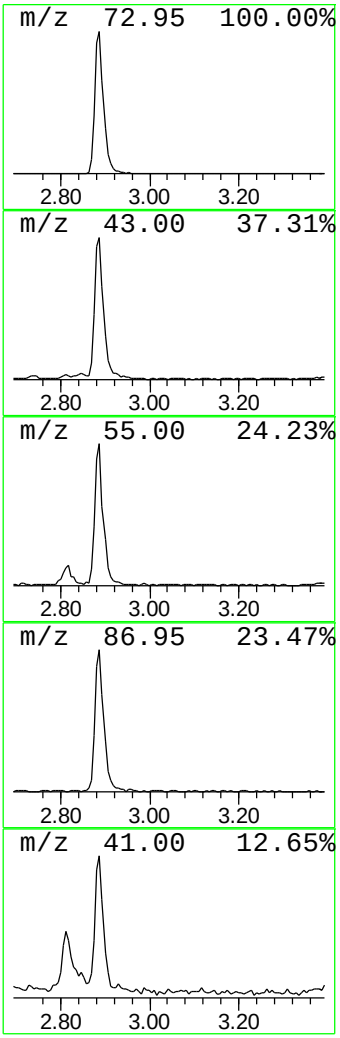
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	10.79 ng/ul	416259	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

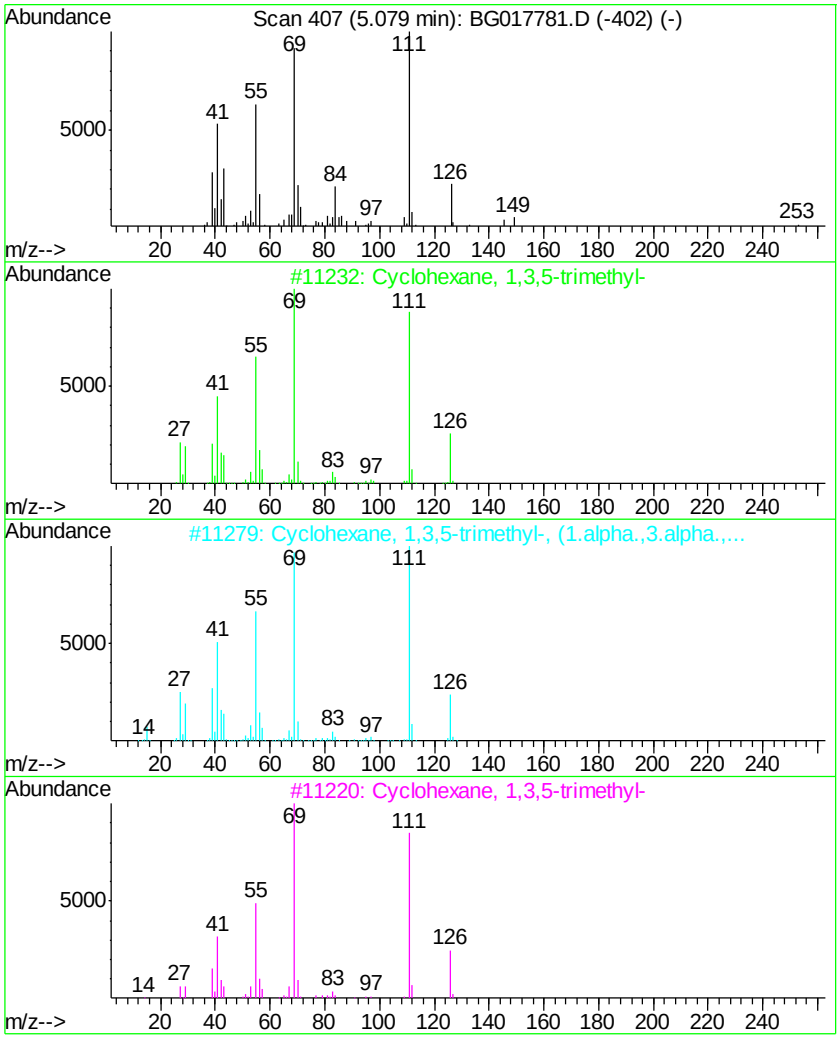
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

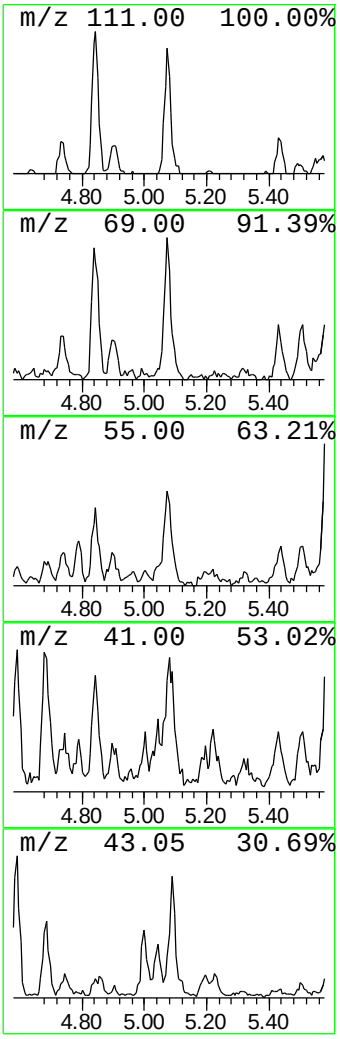
****

Peak Number 2 (DEL) Alkane: Cyclic5.08 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	3.25 ng/ul	125378	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	81
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
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Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

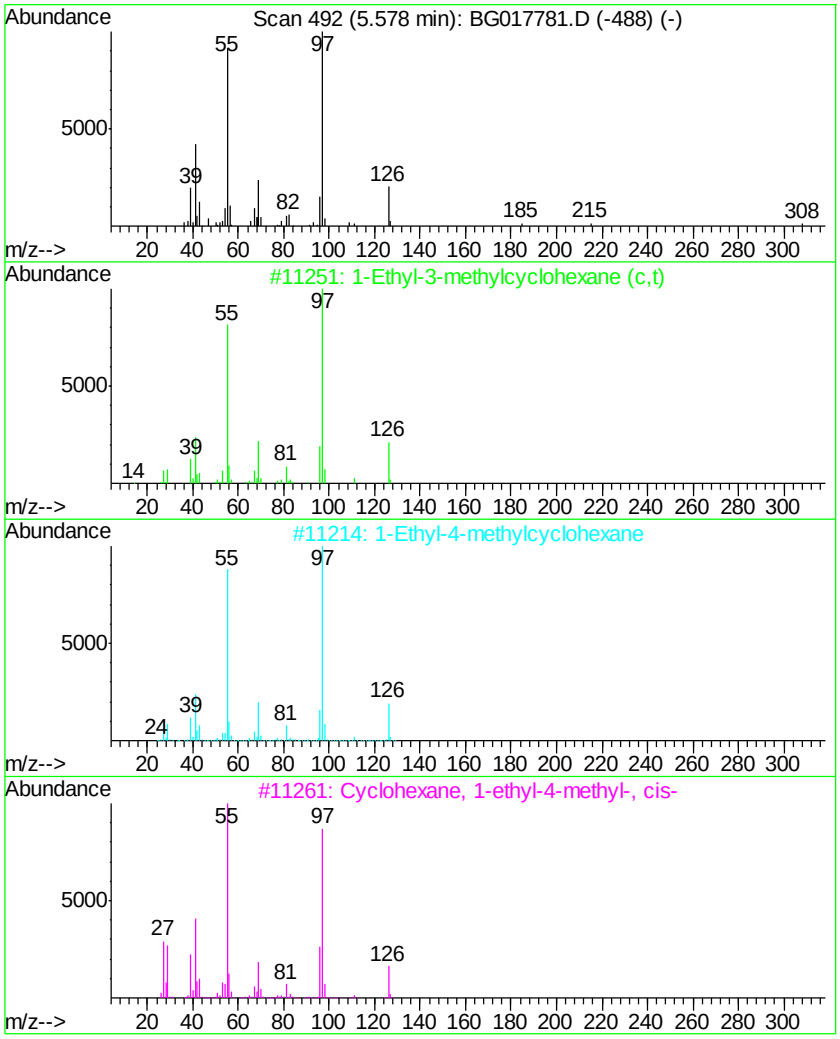
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

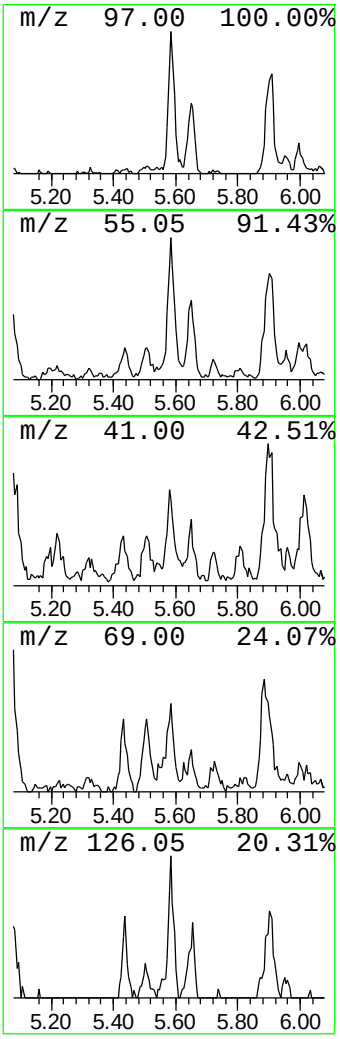
****

Peak Number 3 (DEL) Alkane: Cyclic5.58 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	2.13 ng/ul	82069	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

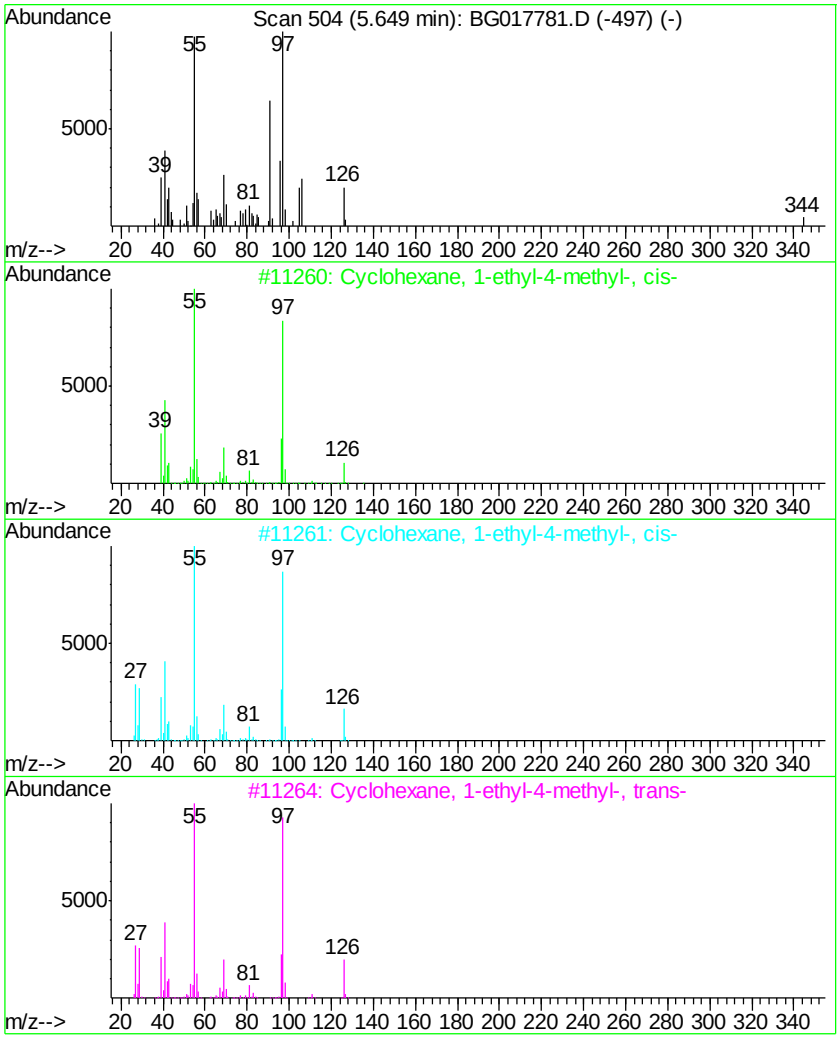
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

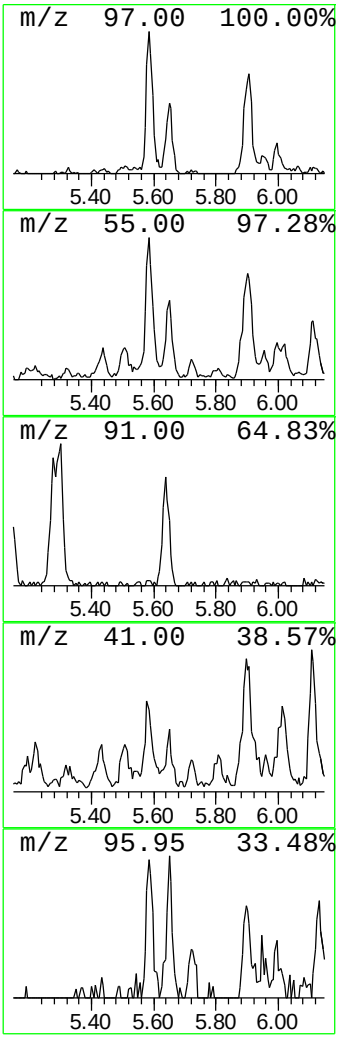
****

Peak Number 4 (DEL) Alkane: Cyclic5.65 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.65	2.60 ng/ul	100216	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	70
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	70
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	70
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	70
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

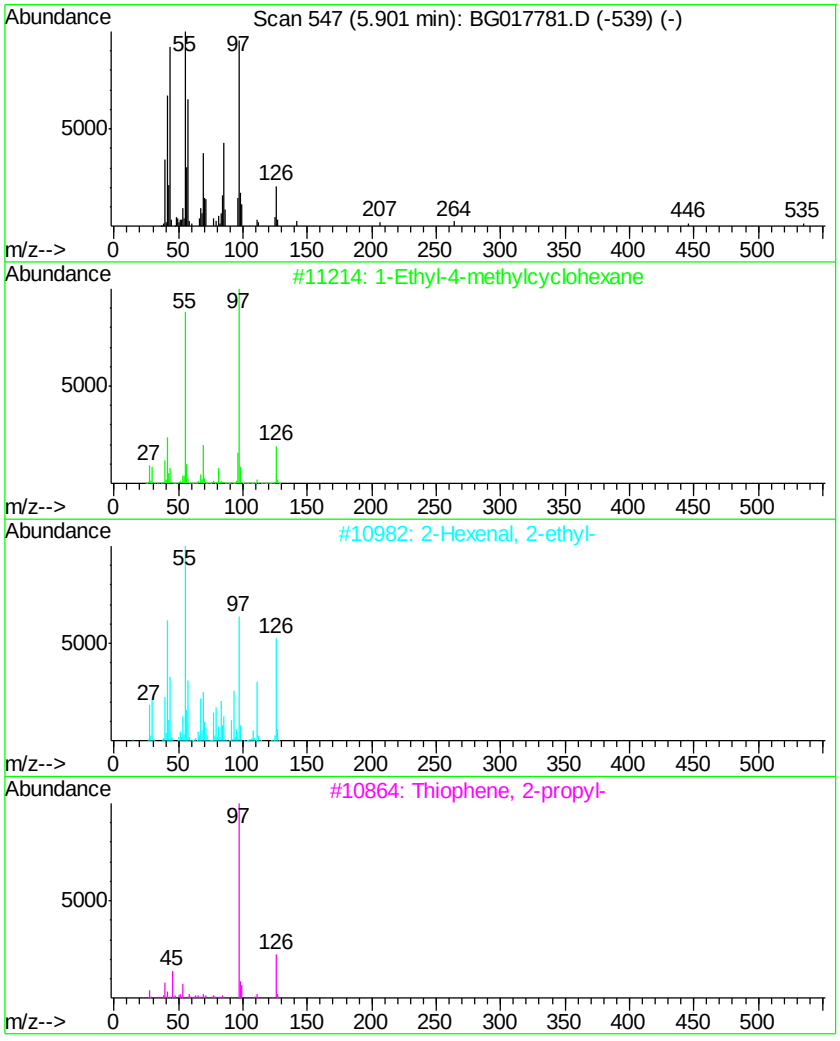
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

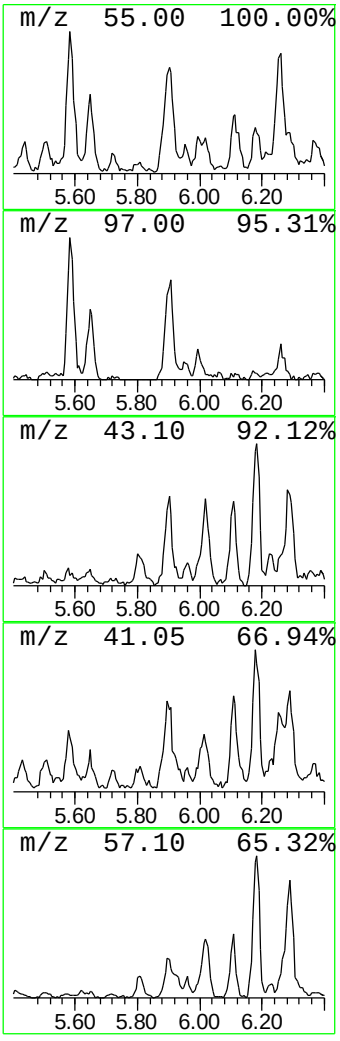
****

Peak Number 5 (DEL) Alkane: Cyclic5.90 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	4.83 ng/ul	186096	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
2	2-Hexenal, 2-ethyl-	126	C8H14O	000645-62-5	50
3	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	50
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	49
5	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	47





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Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

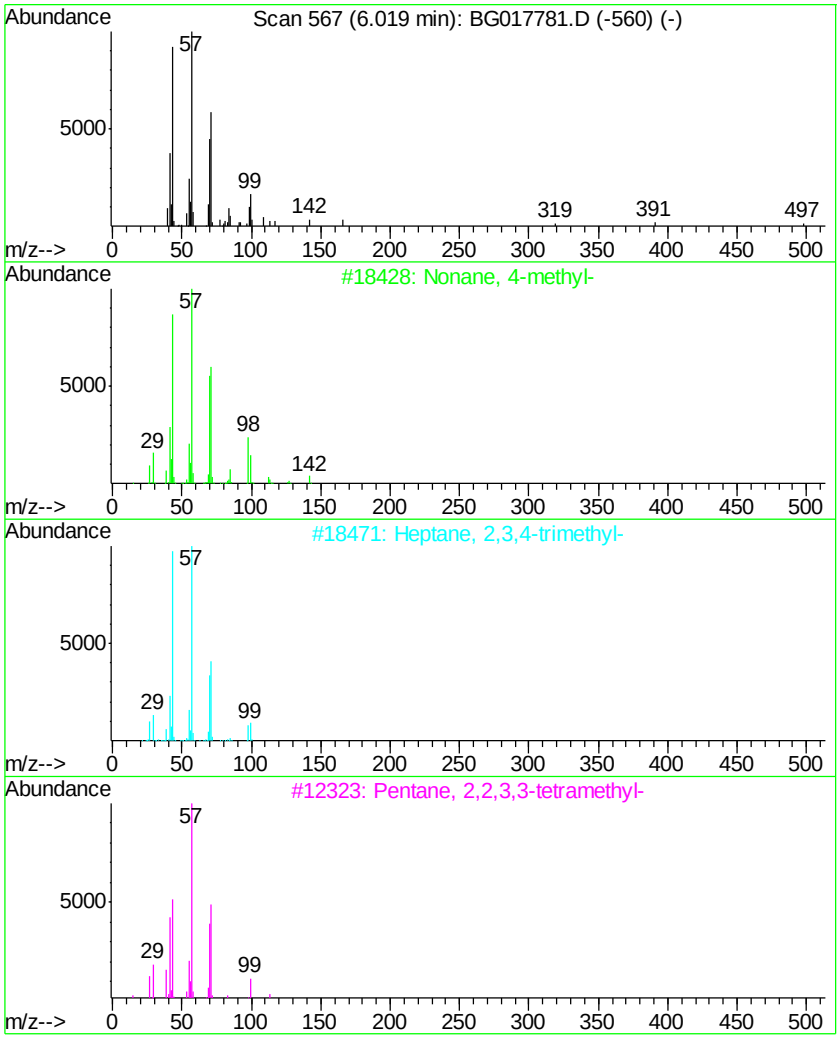
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

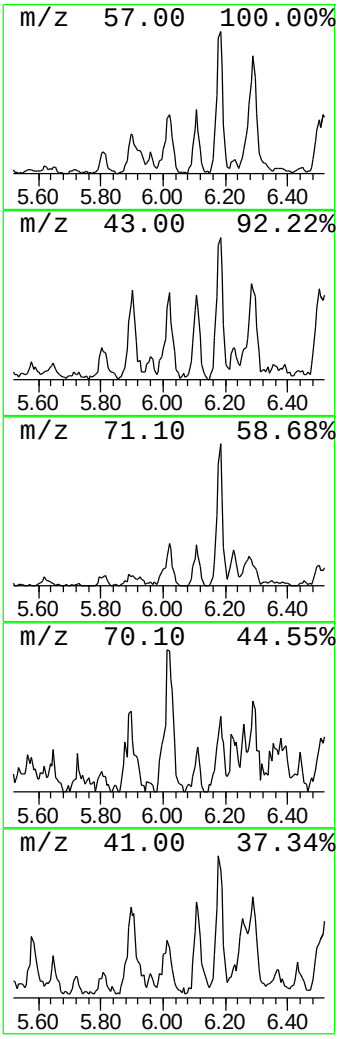
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.02	2.47 ng/ul	95386	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	68
2	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	53





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Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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Quant Title : SVOA CALIBRATION

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

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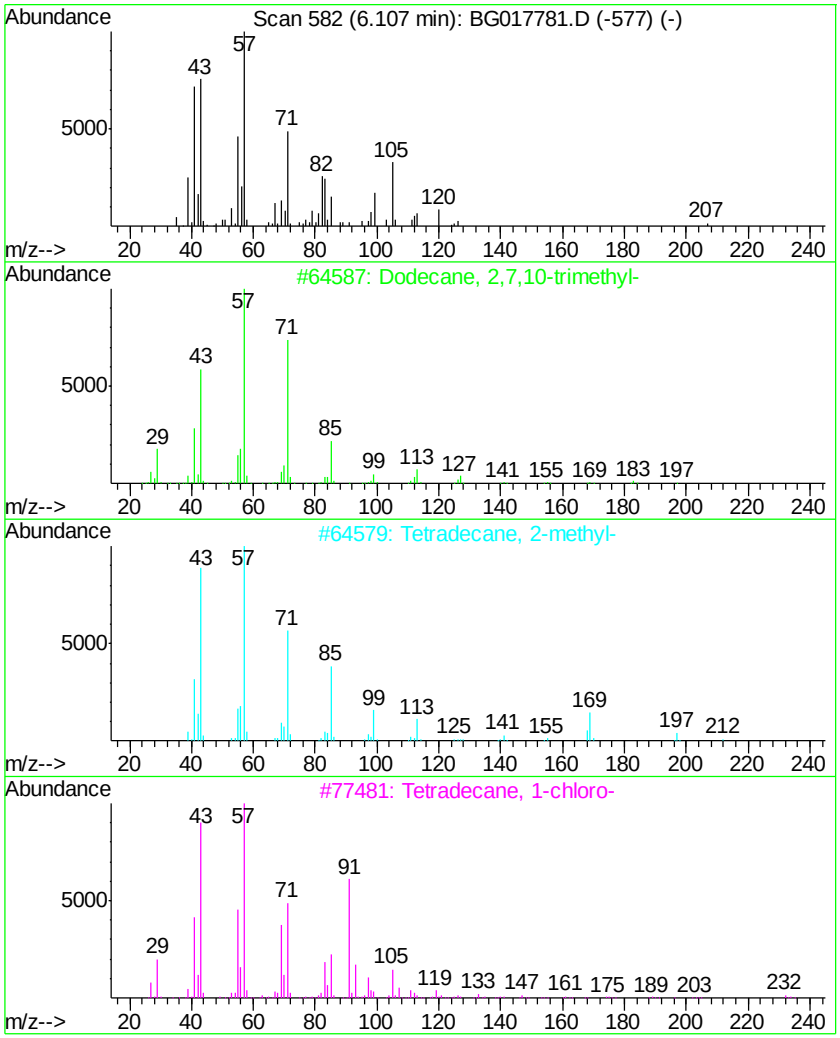
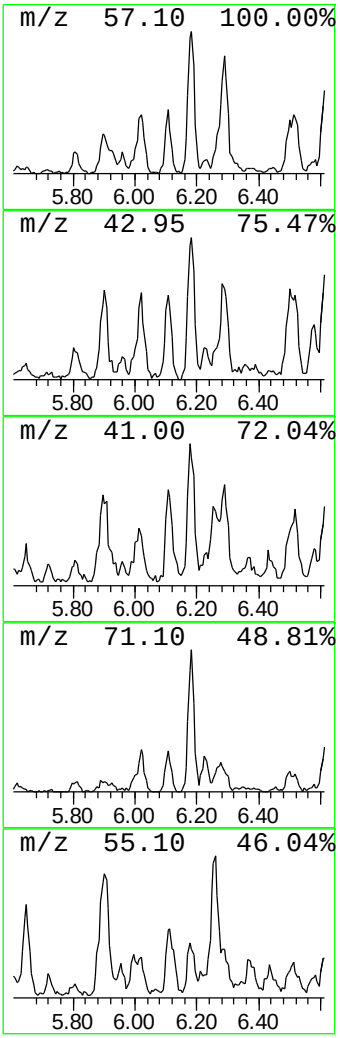
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.11	3.56 ng/ul	137429	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	43
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	43
3	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	43
4	2-Hexene, 1-butoxy-, (E)-	156	C10H20O	054340-67-9	43
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	43





Library Search Compound Report

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Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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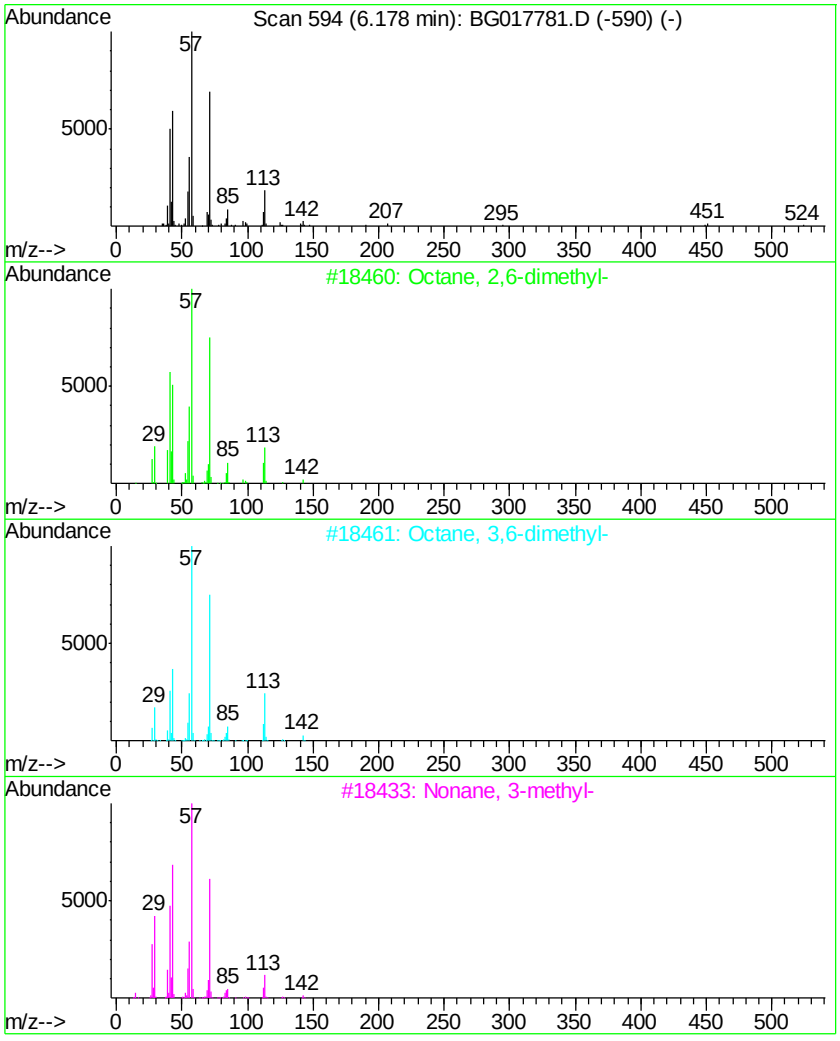
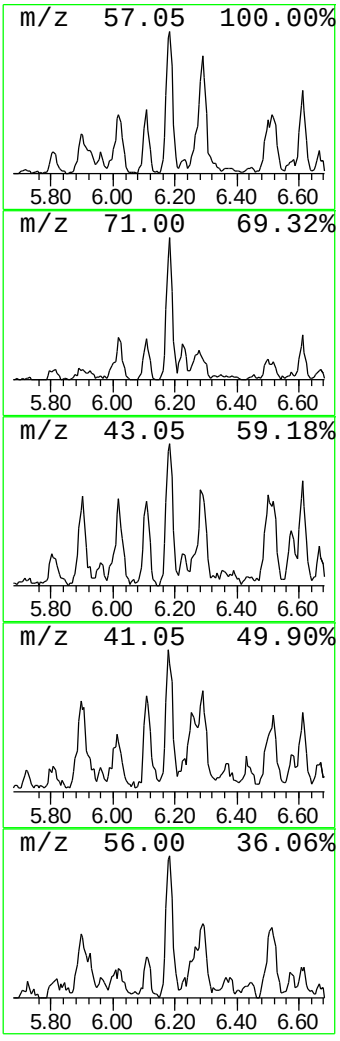
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	3.68 ng/ul	141967	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	97
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	87





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Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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Quant Title : SVOA CALIBRATION

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

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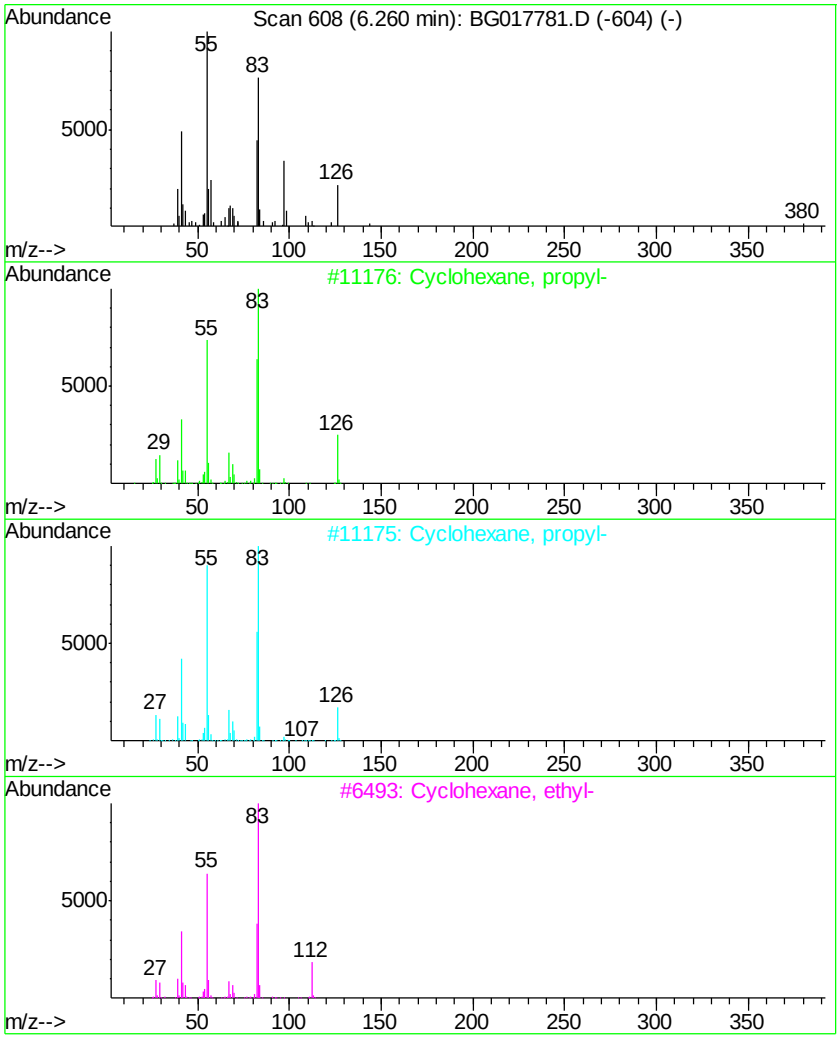
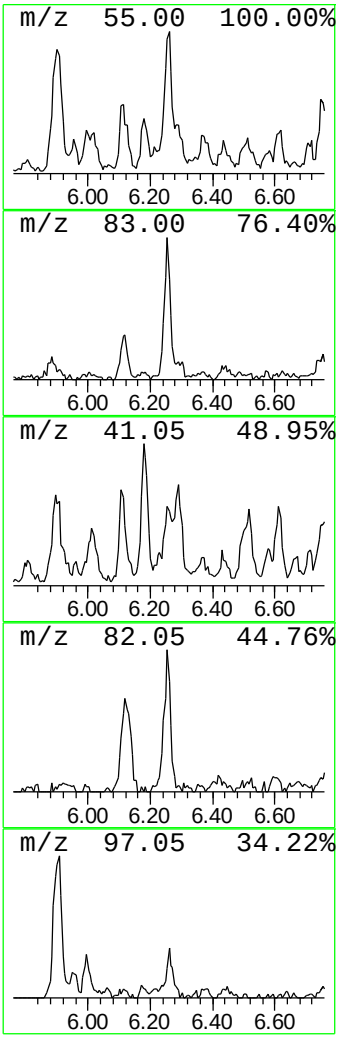
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	2.63 ng/ul	101548	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	53
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
4	n-Nonylcyclohexane	210	C15H30	002883-02-5	50
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	50





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Acq On : 6 Jul 2015 22:30
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Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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Quant Title : SVOA CALIBRATION

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

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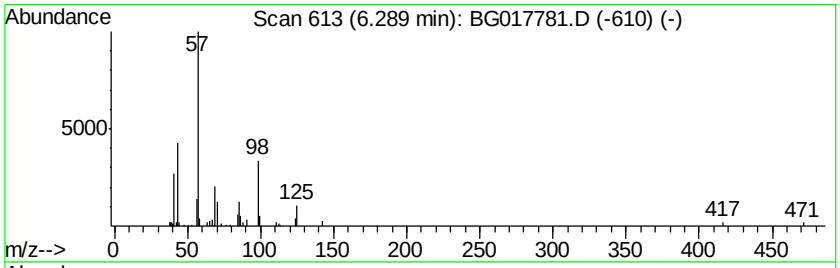
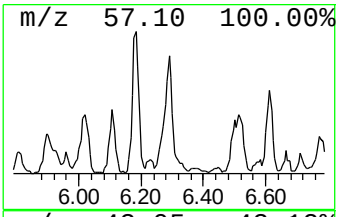
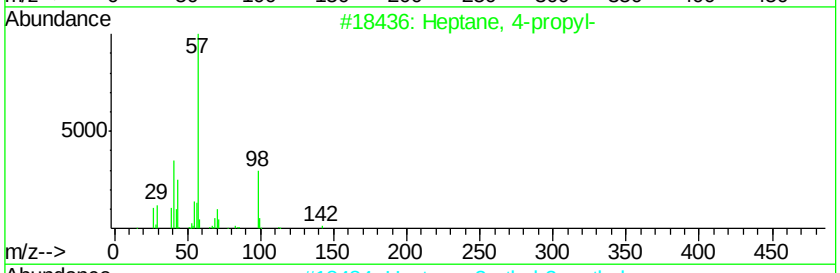
Peak Number 10 (DEL) Alkane: Cyclic6.29 Concentration Rank 18

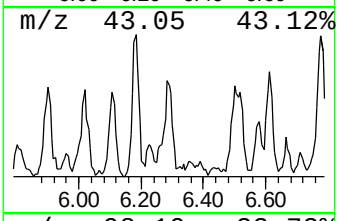
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	2.58 ng/ul	99433	1,4-Dichlorobenzene-d4	7.61

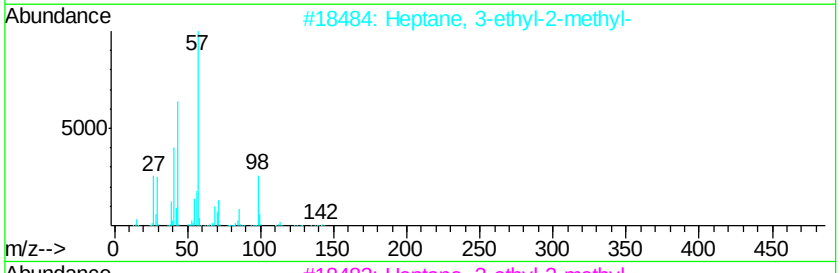
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-propyl-	142	C10H22	003178-29-8	43
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	42
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	40
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	36
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	32

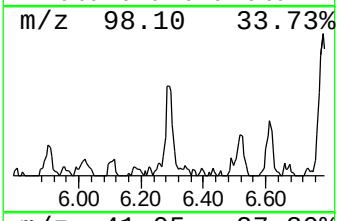


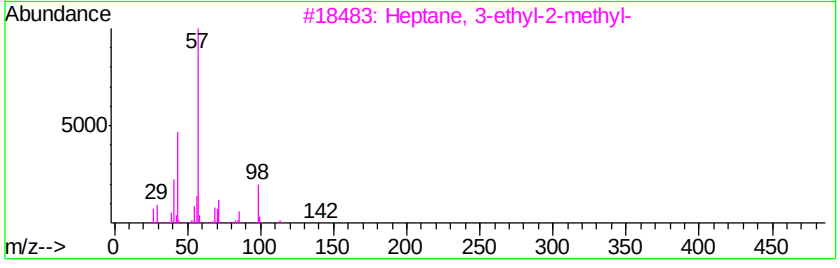


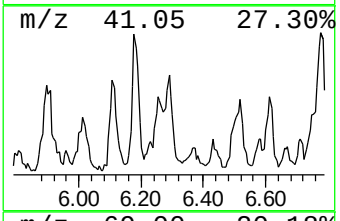


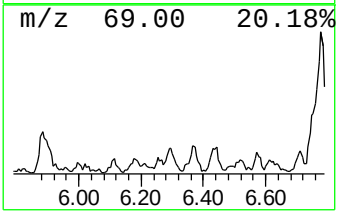












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Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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Quant Title : SVOA CALIBRATION

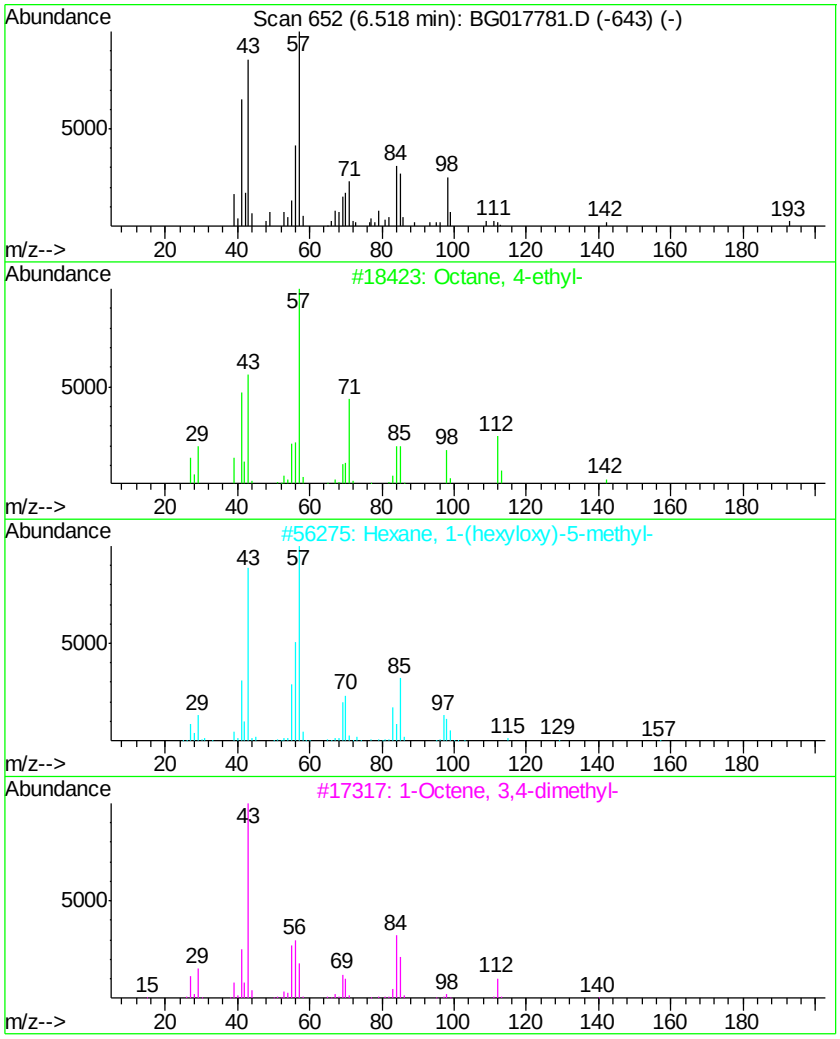
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

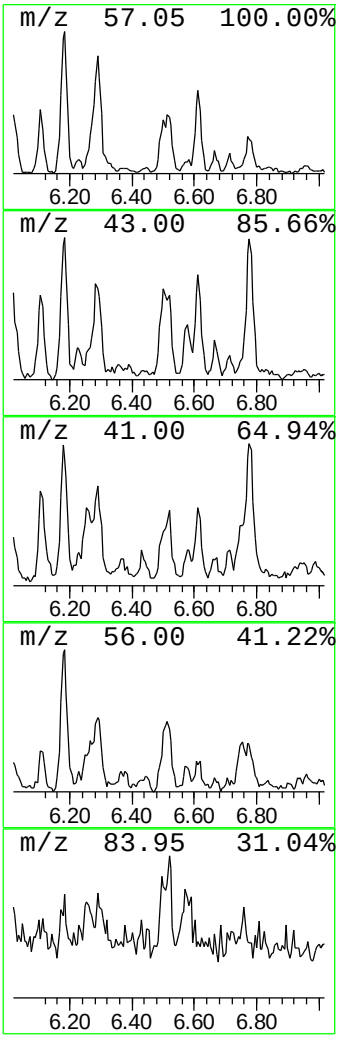
****

Peak Number 11 (DEL) Alkane: Cyclic6.52 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	3.15 ng/ul	121403	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	50
2	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	47
3	1-Octene, 3,4-dimethyl-	140	C10H20	056728-11-1	47
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	43
5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	43





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Instrument : BNA_G
ClientSampleId : G93J8

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Quant Title : SVOA CALIBRATION

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

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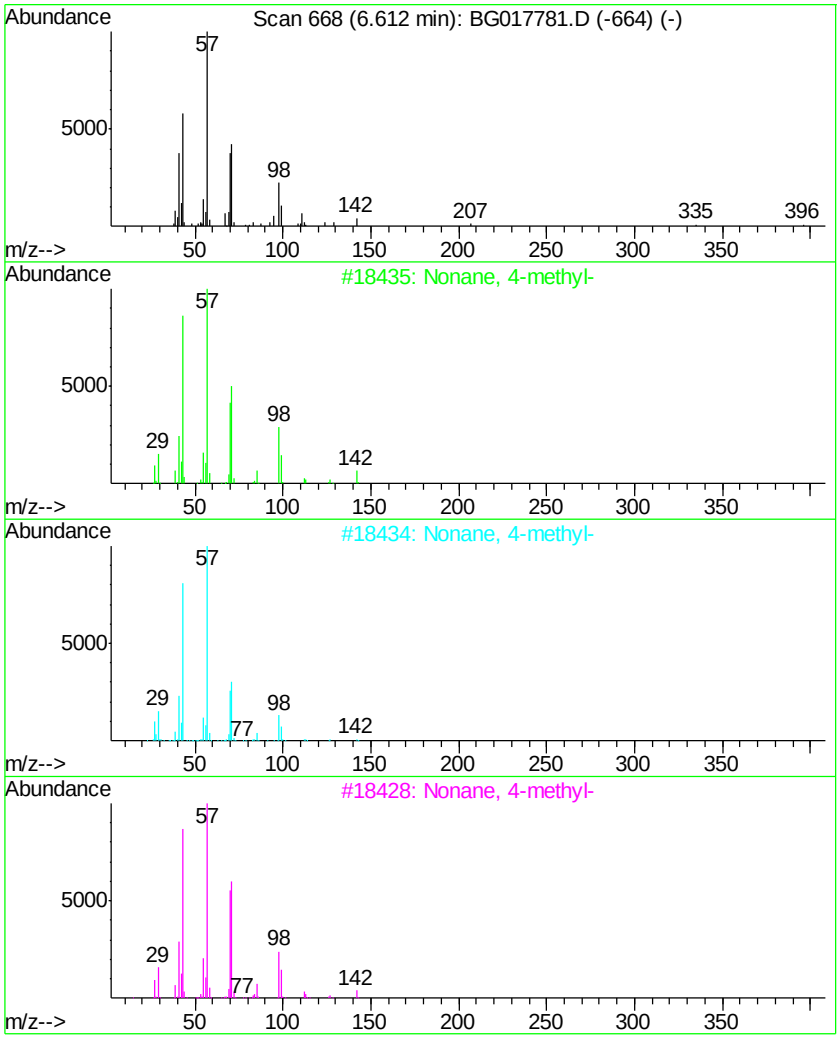
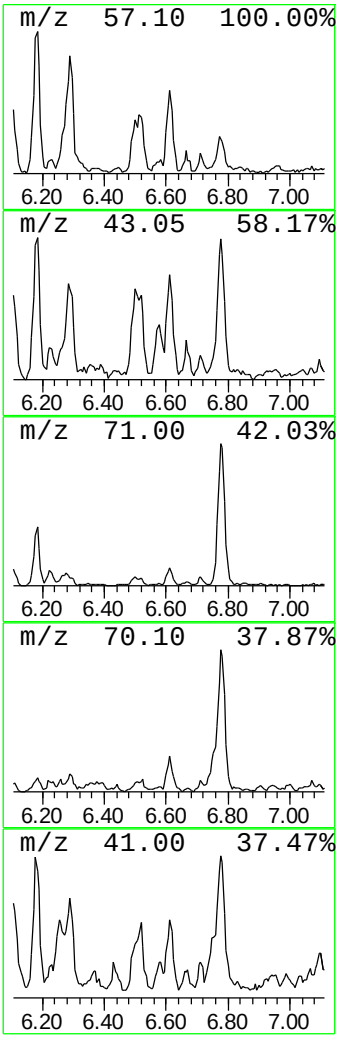
Peak Number 12 (DEL) Alkane: Cyclic6.61 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	2.24 ng/ul	86218	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	59





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

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Quant Title : SVOA CALIBRATION

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

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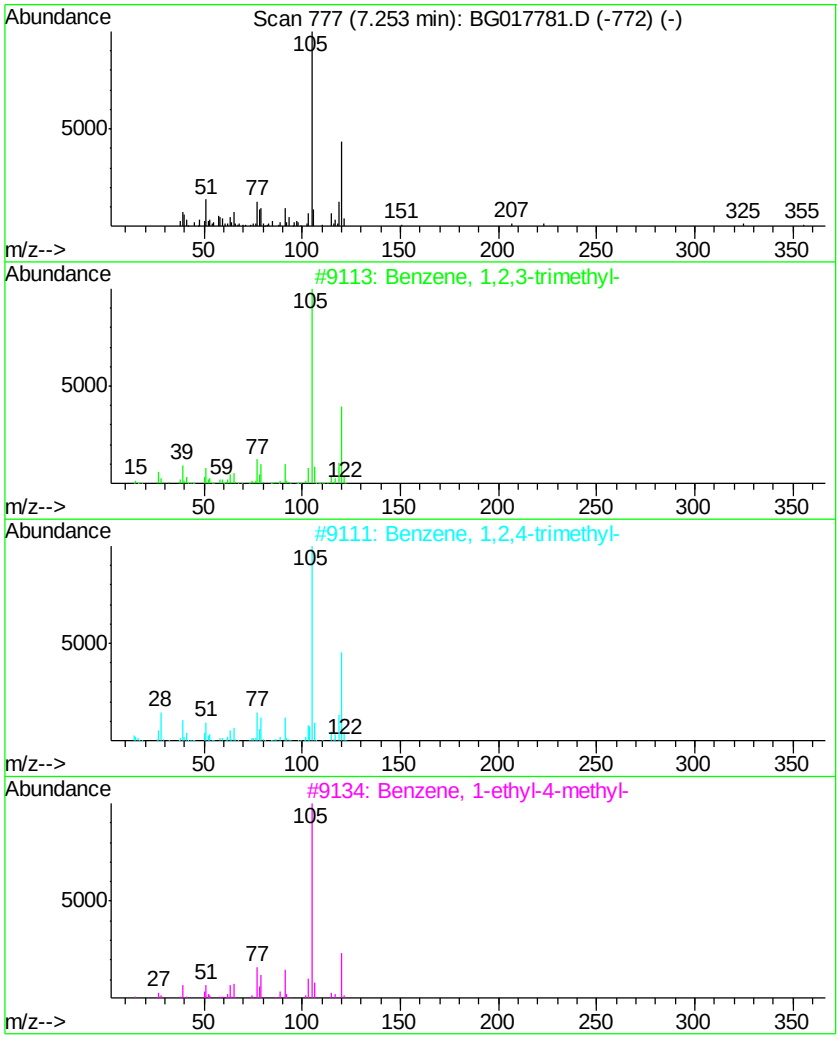
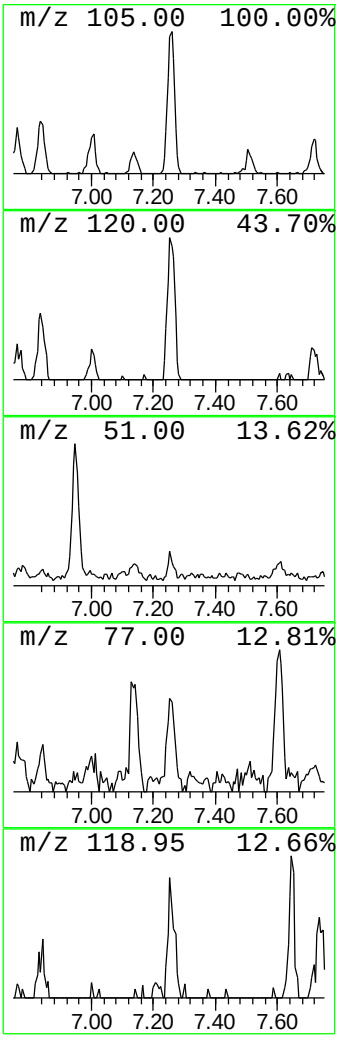
Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	2.38 ng/ul	91877	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





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Instrument : BNA_G
ClientSampleId : G93J8

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Quant Title : SVOA CALIBRATION

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

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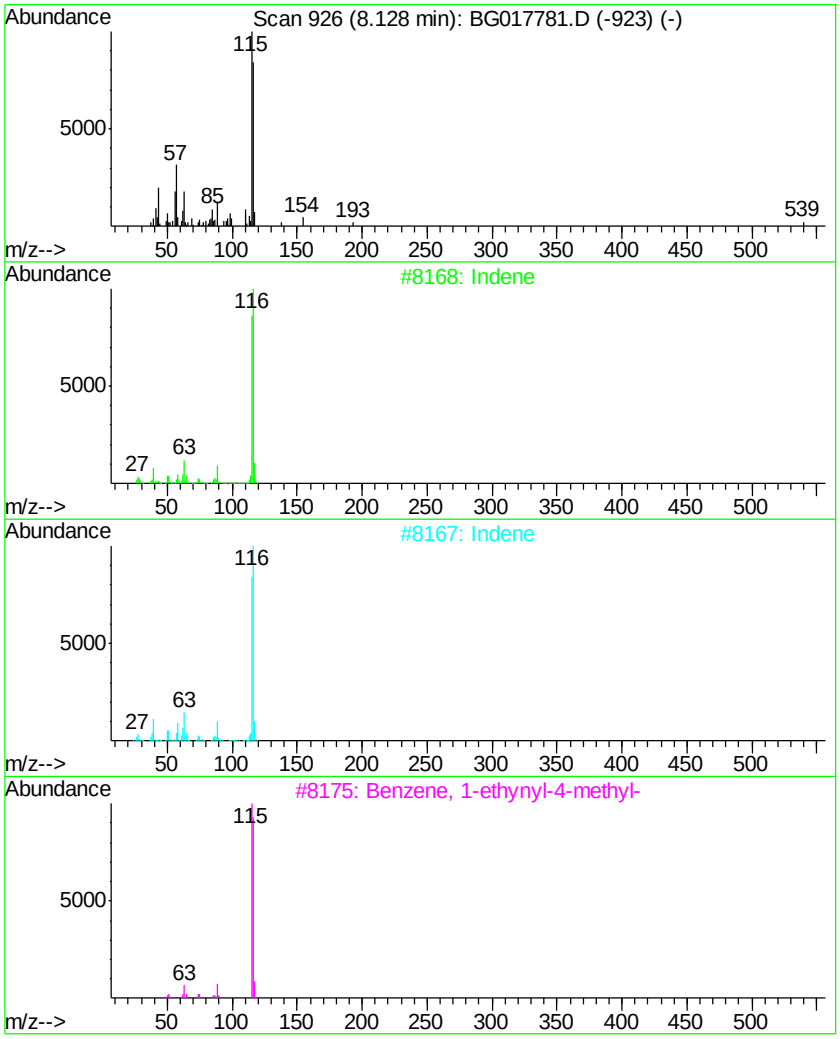
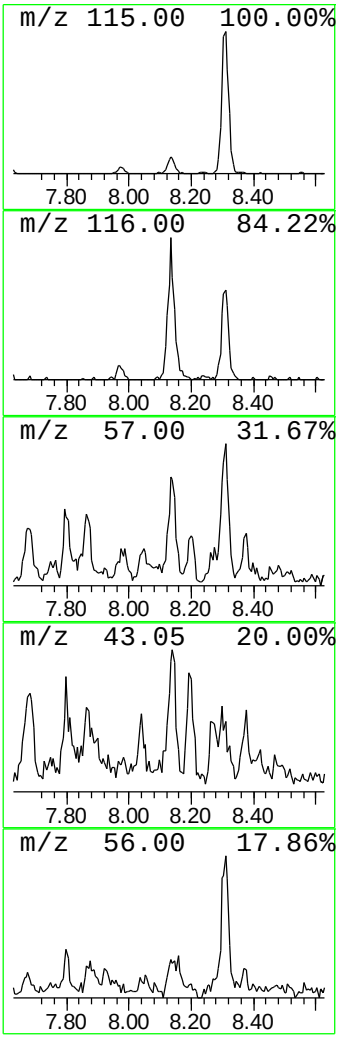
Peak Number 14 Indene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	2.64 ng/ul	101904	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	87
2	Indene	116	C9H8	000095-13-6	86
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86
4	Indene	116	C9H8	000095-13-6	83
5	1-Phenyl-1-pentyn-4-ol	160	C11H12O	016330-23-7	72





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Quant Title : SVOA CALIBRATION

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

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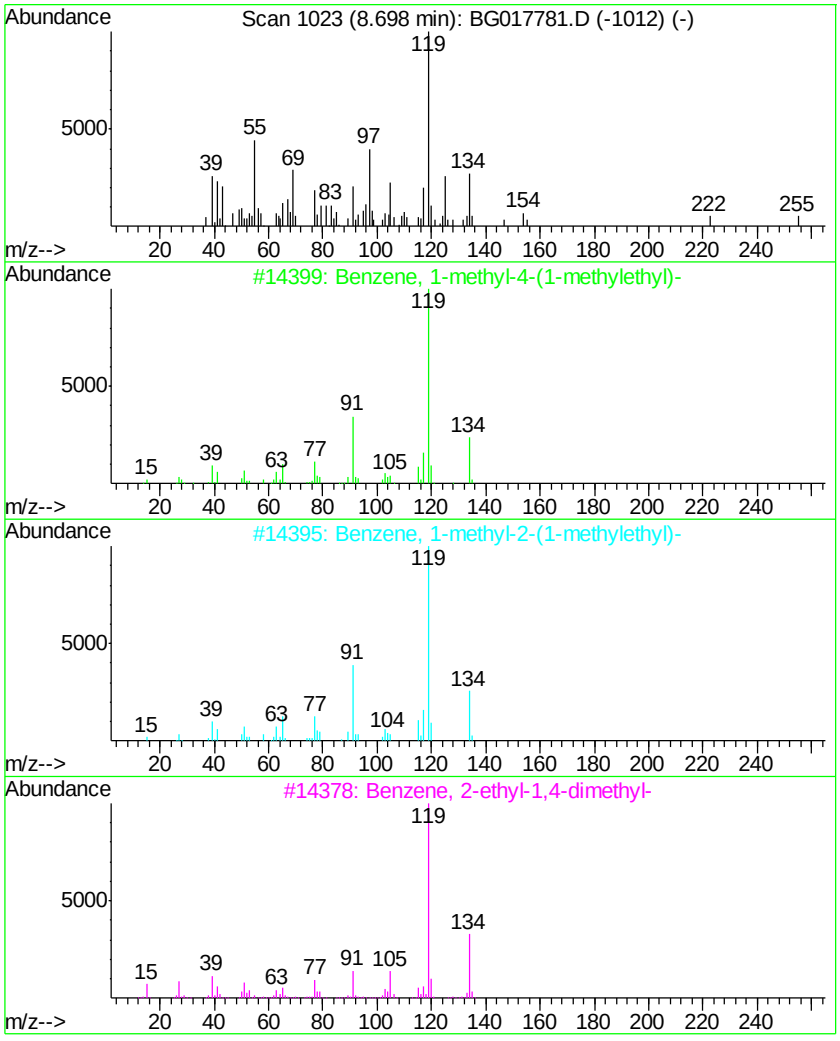
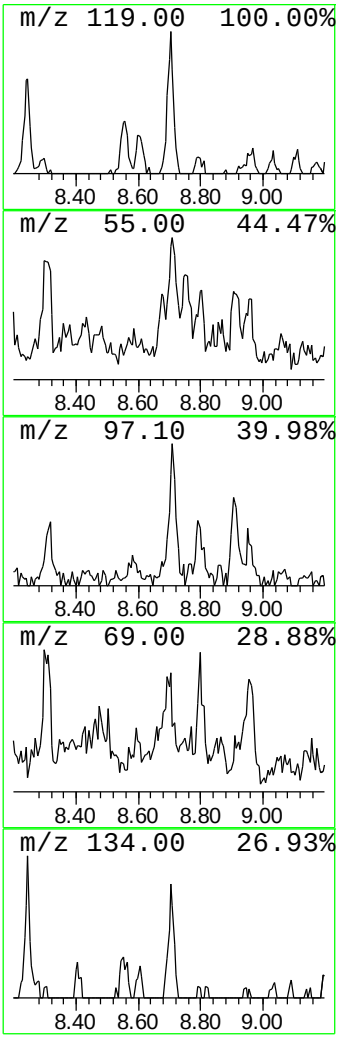
Peak Number 15 Benzene, 1-methyl-4-(1-meth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	2.31 ng/ul	89115	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	60
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46





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Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

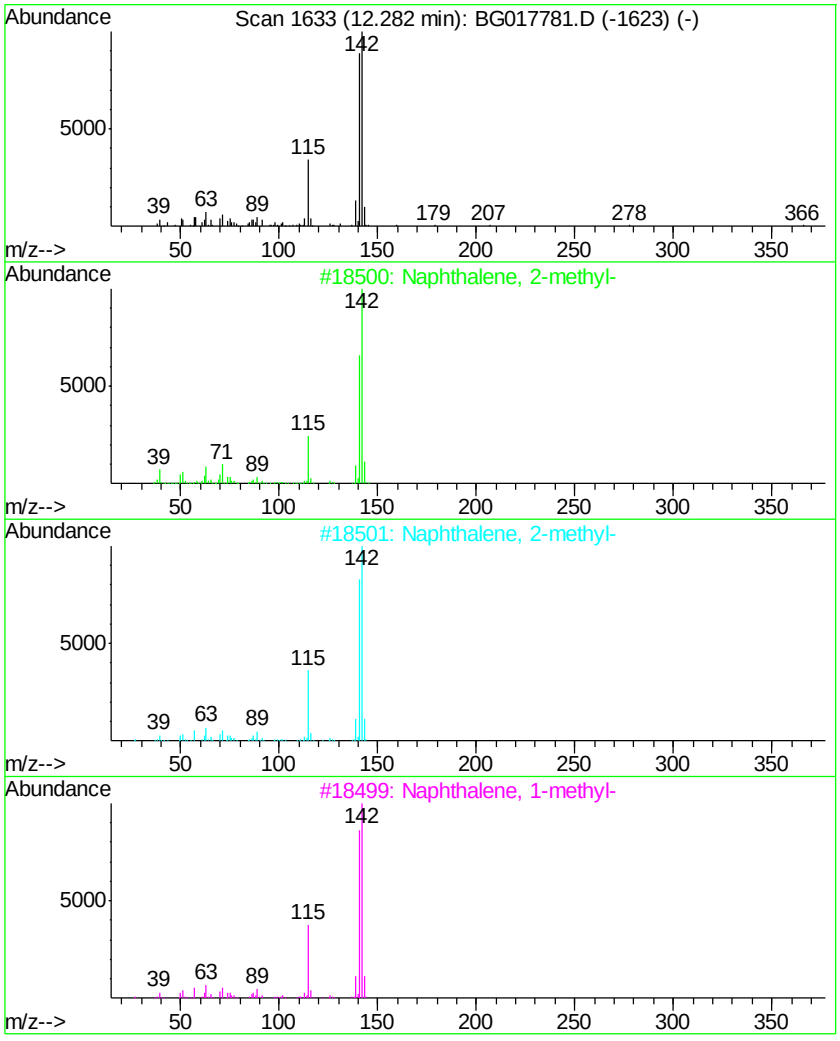
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

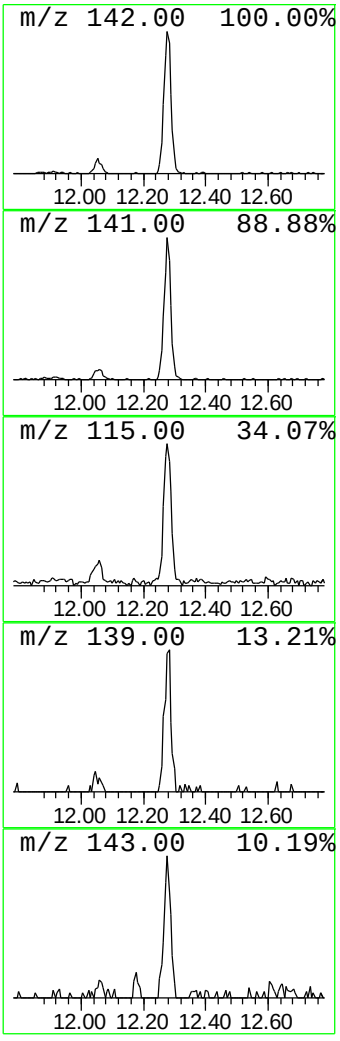
****

Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	4.06 ng/ul	222656	Naphthalene-d8	10.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Benzocycloheptatriene	142	C11H10	000264-09-5	95
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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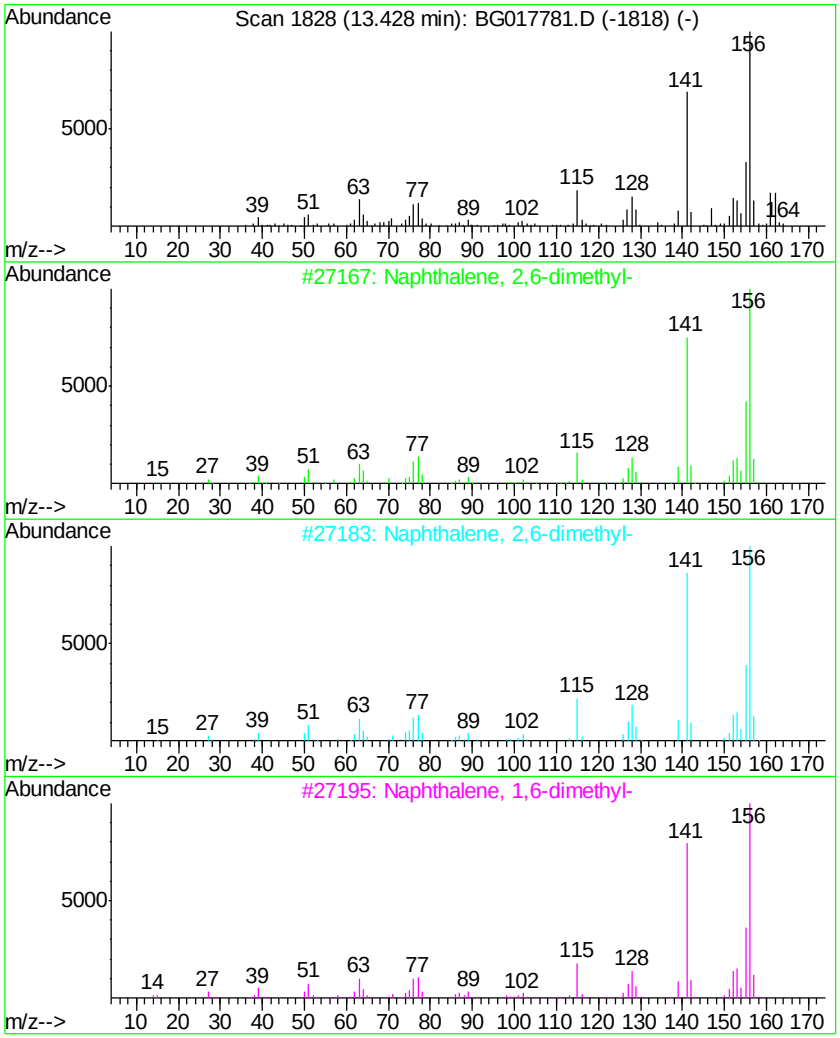
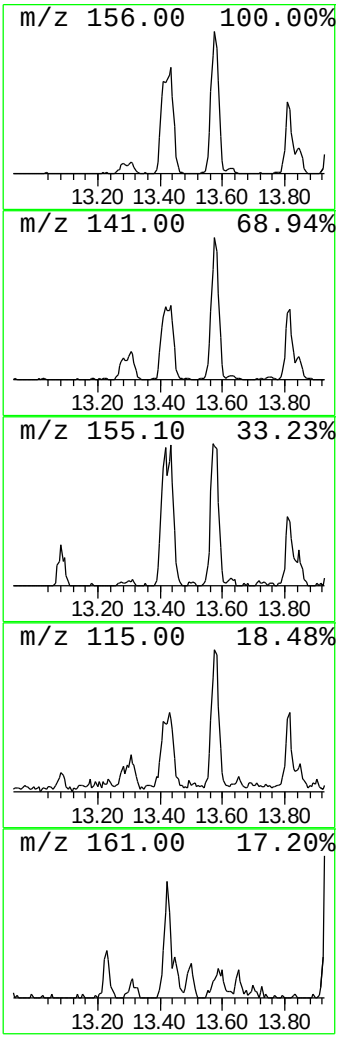
Peak Number 17 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	5.02 ng/ul	394089	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

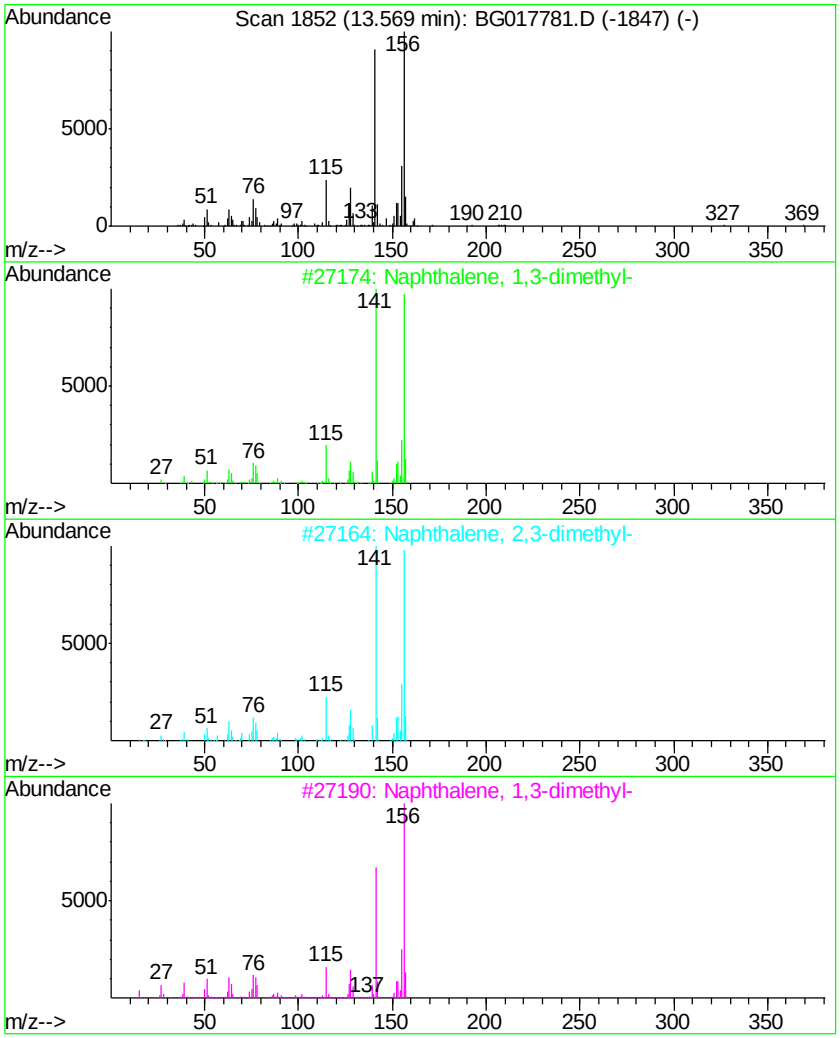
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

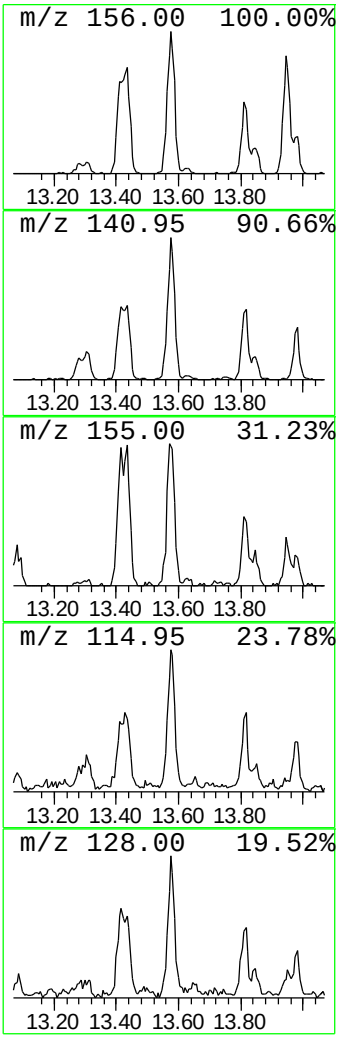
****

Peak Number 18 Naphthalene, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	4.27 ng/ul	335138	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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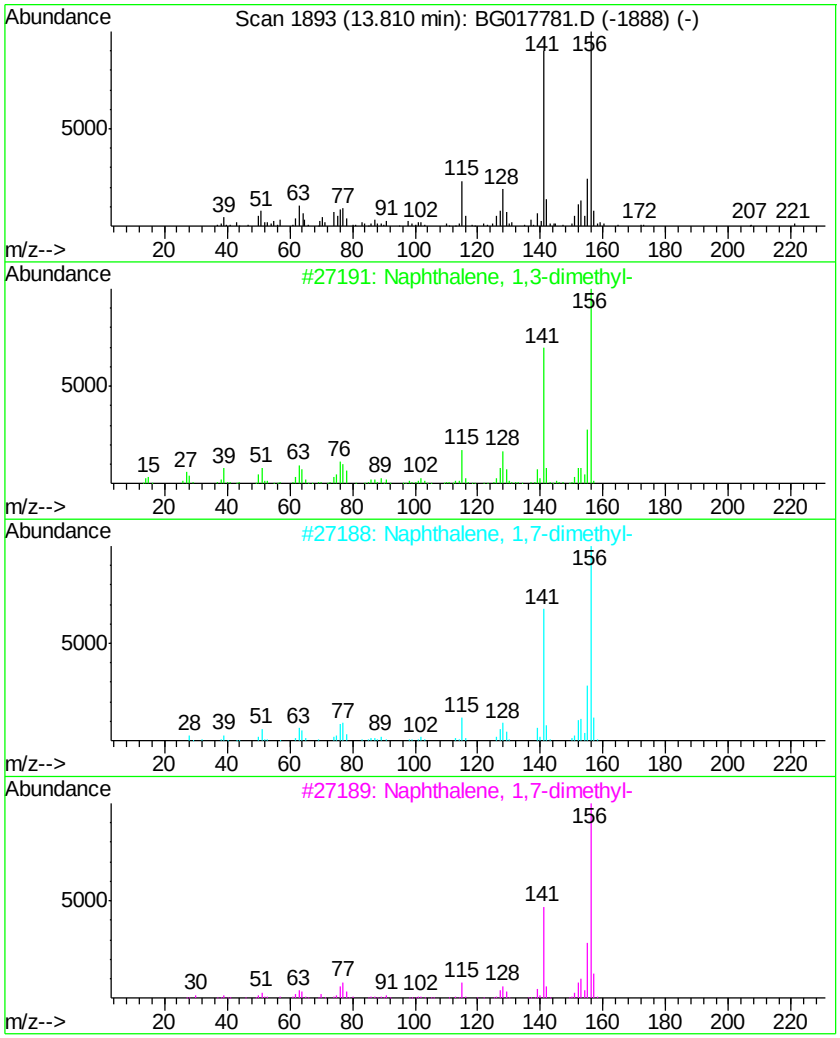
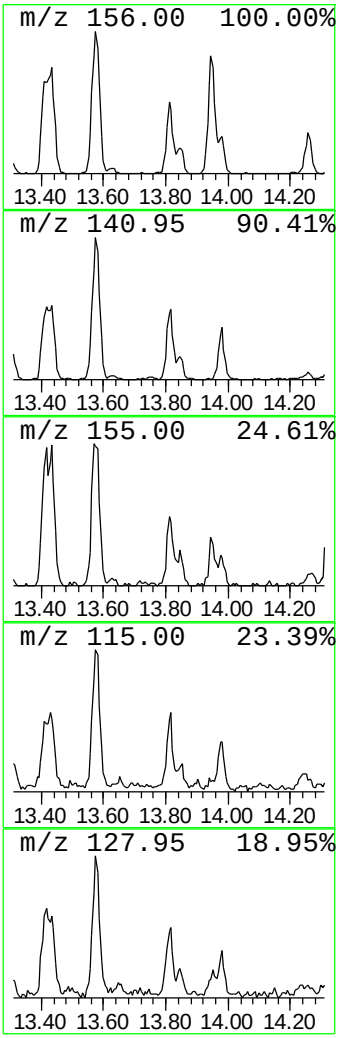
Peak Number 19 Naphthalene, 1,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	2.00 ng/ul	157296	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93





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Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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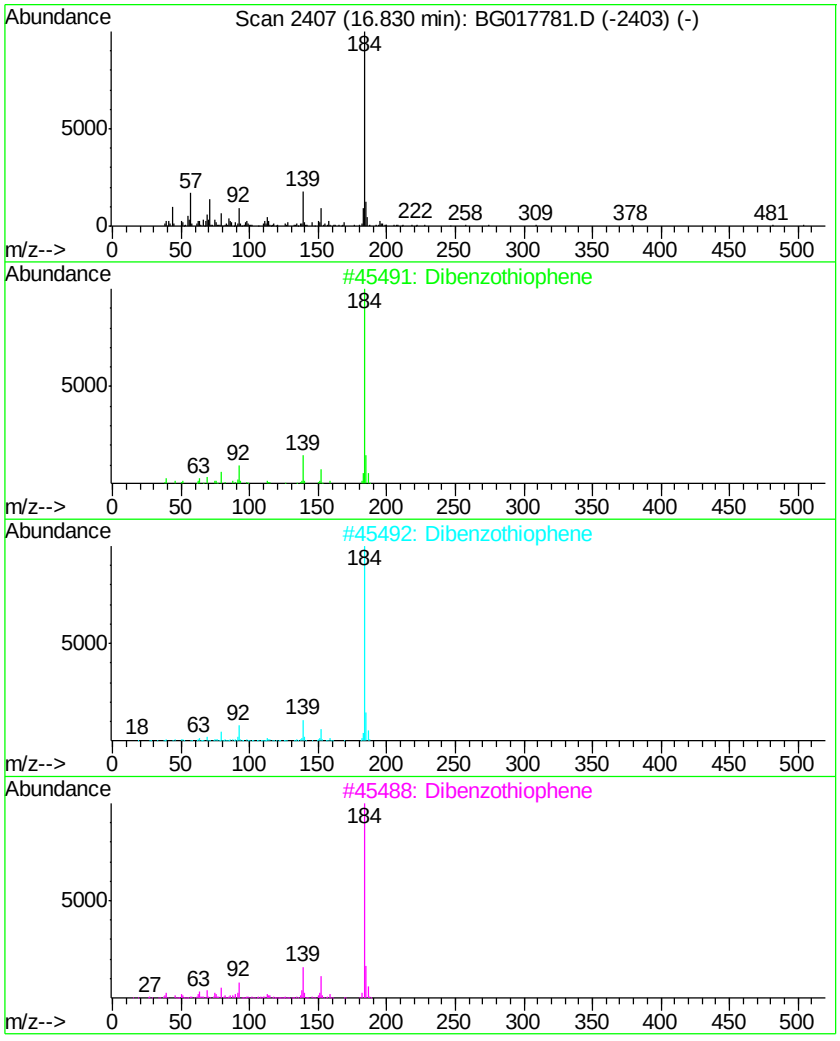
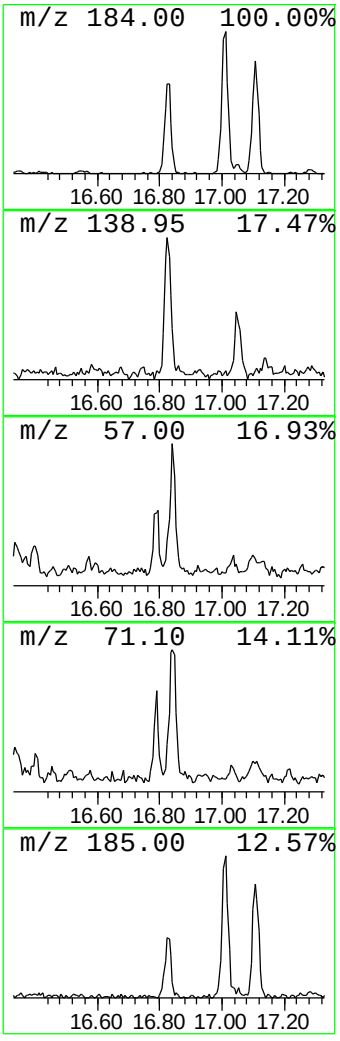
Peak Number 20 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.75 ng/ul	233501	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Dibenzothiophene	184	C12H8S	000132-65-0	87
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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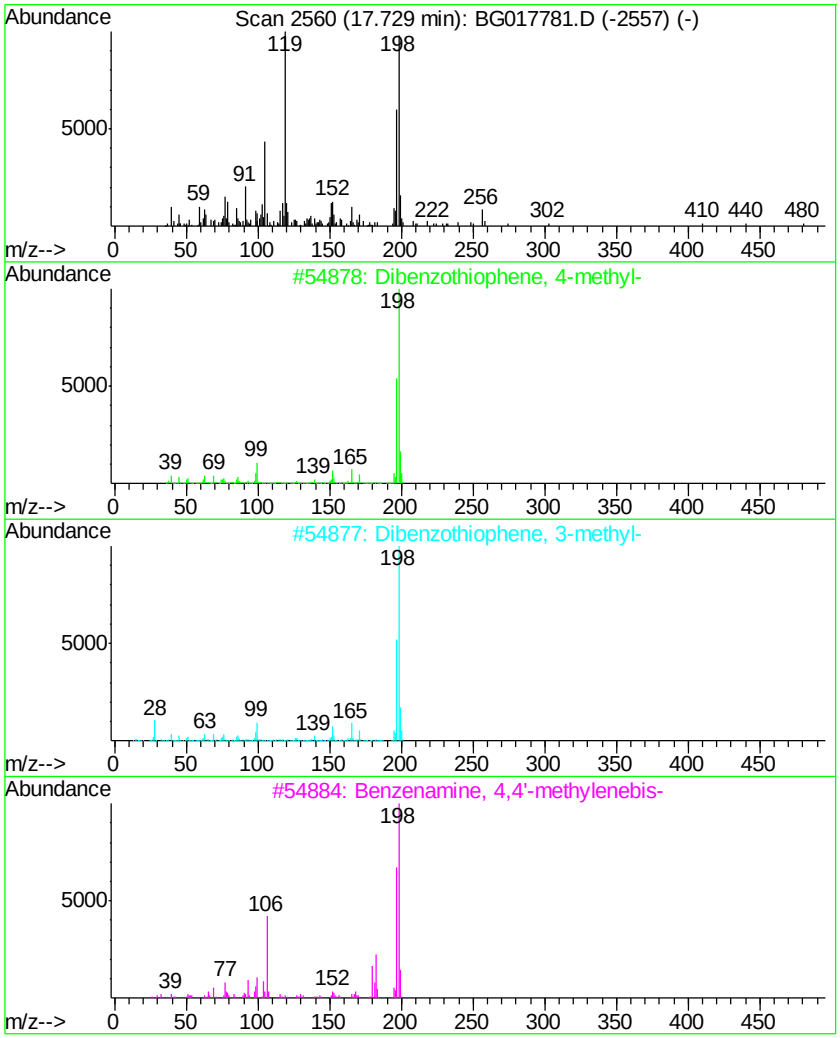
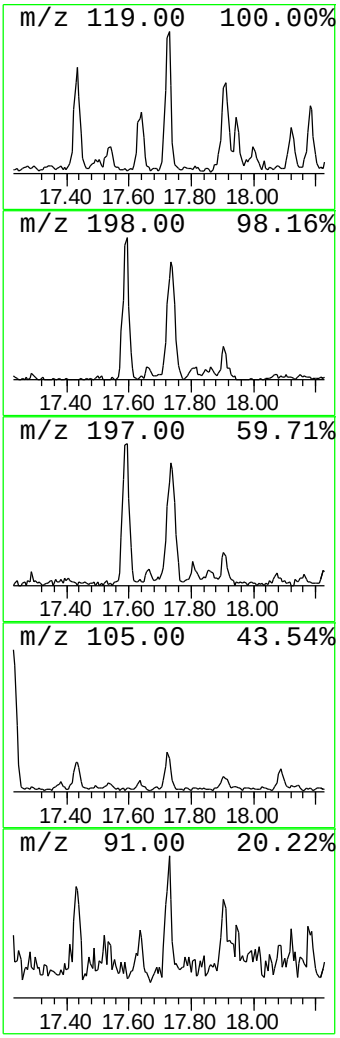
Peak Number 21 Dibenzothiophene, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.02 ng/ul	171713	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	78
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49





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Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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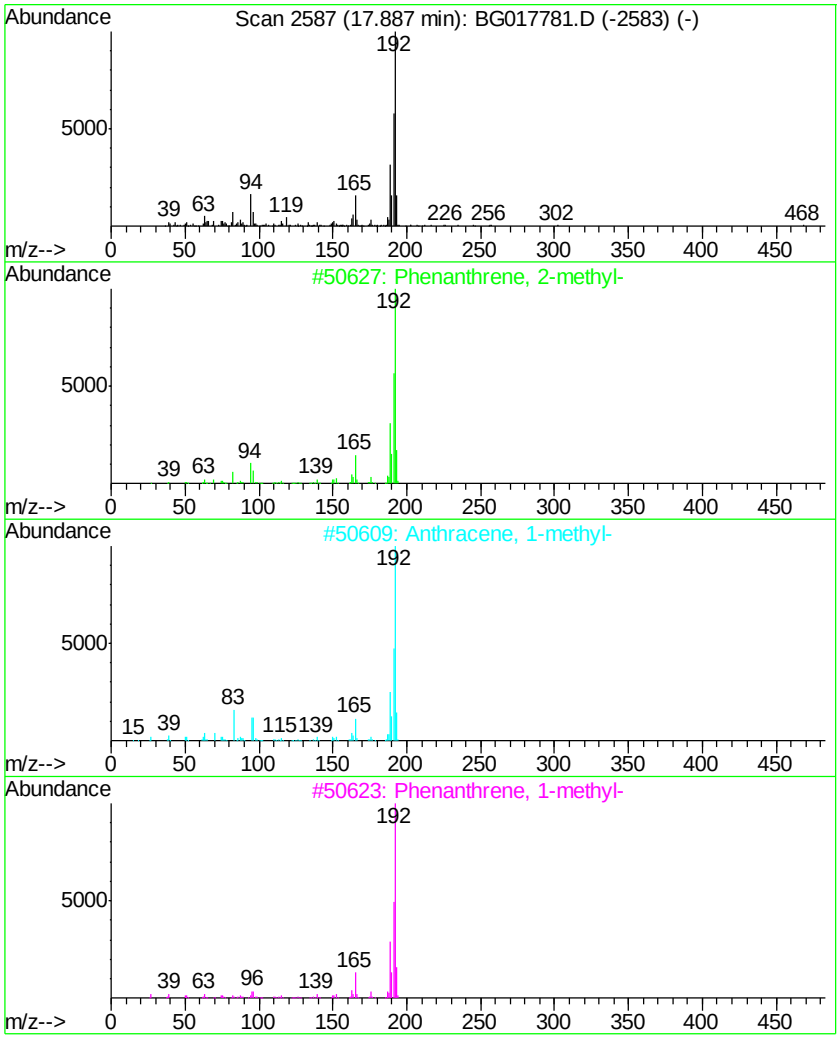
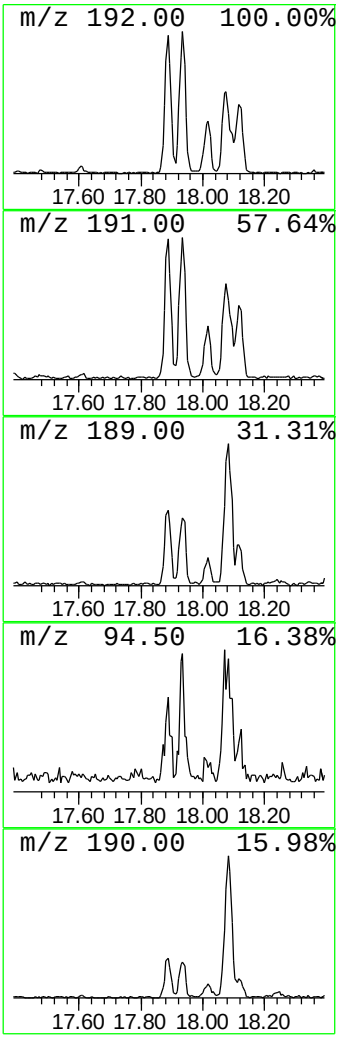
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.87 ng/ul	243970	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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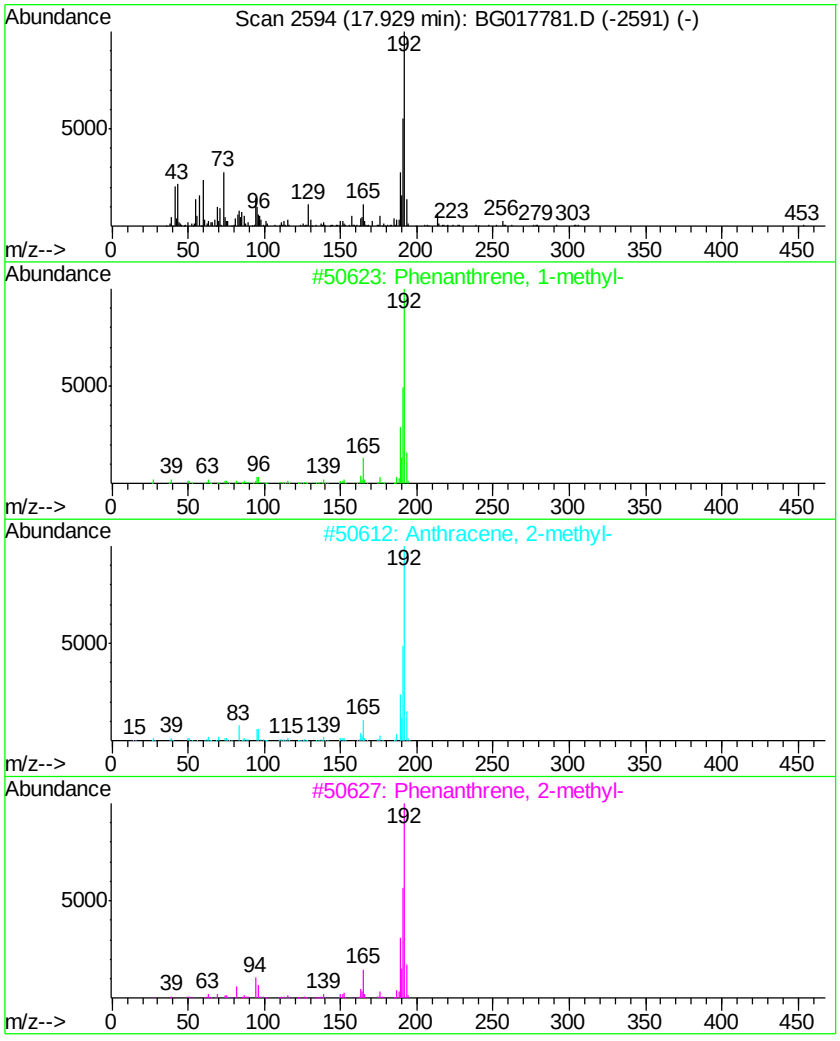
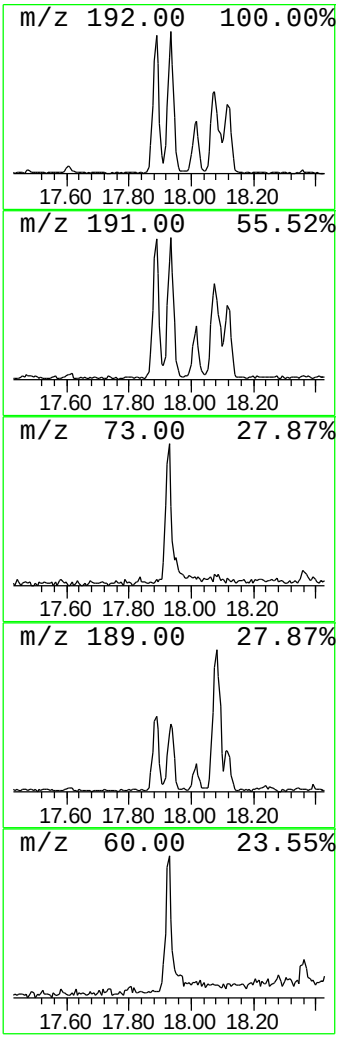
Peak Number 23 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	4.61 ng/ul	391738	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86





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Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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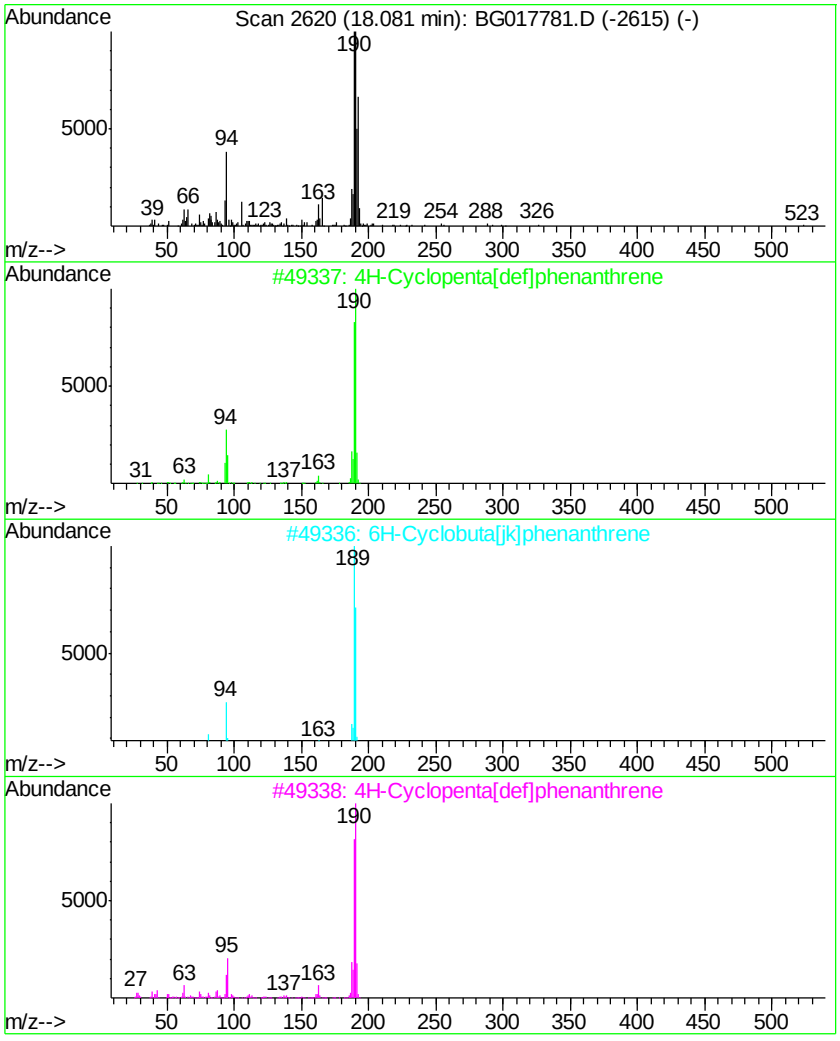
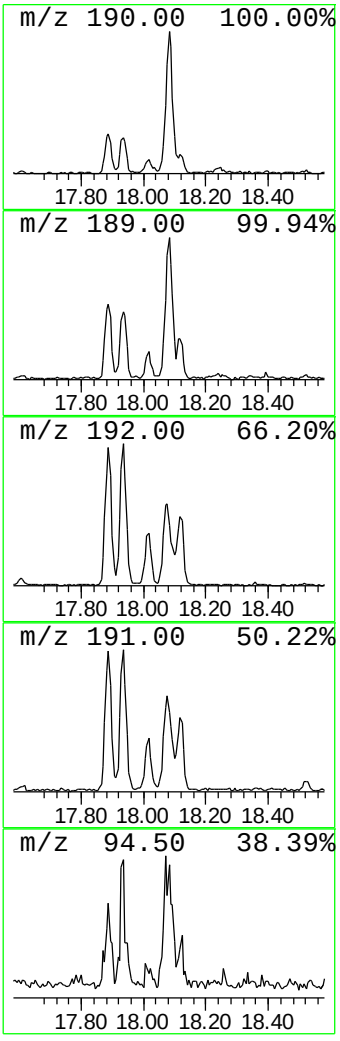
Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	3.66 ng/ul	311014	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	2-Bromo-4-fluorophenol	190	C6H4BrFO	000496-69-5	27
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	25





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Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

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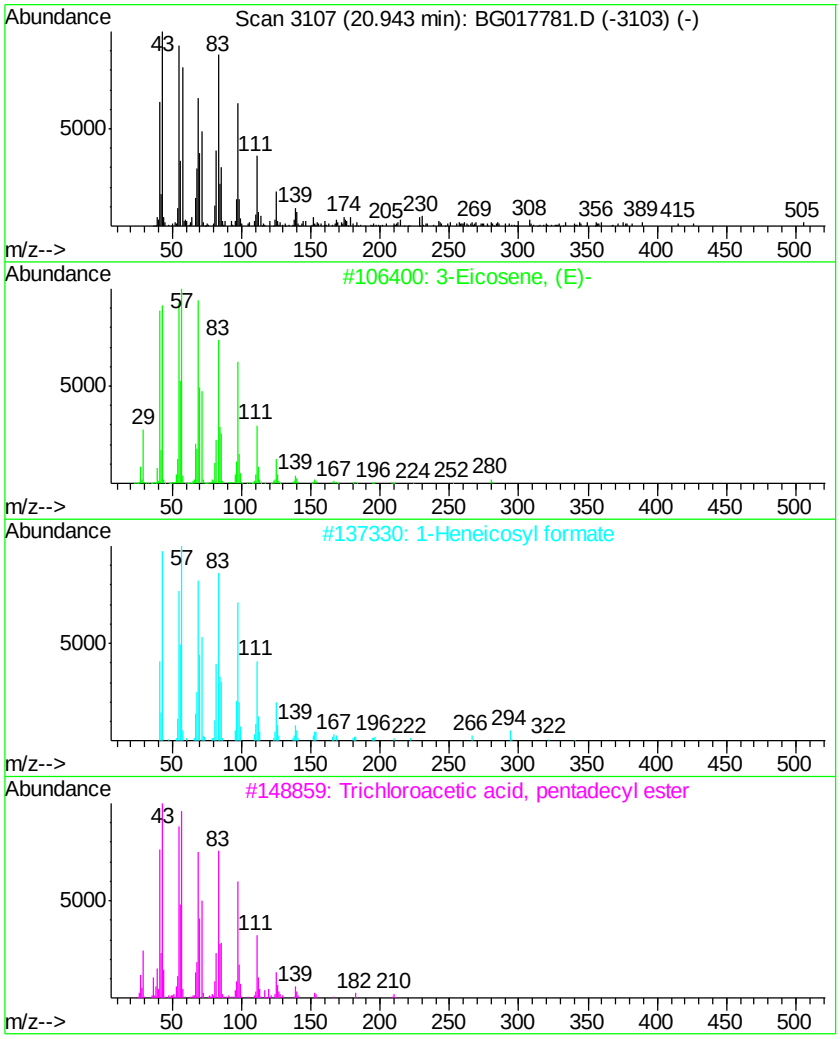
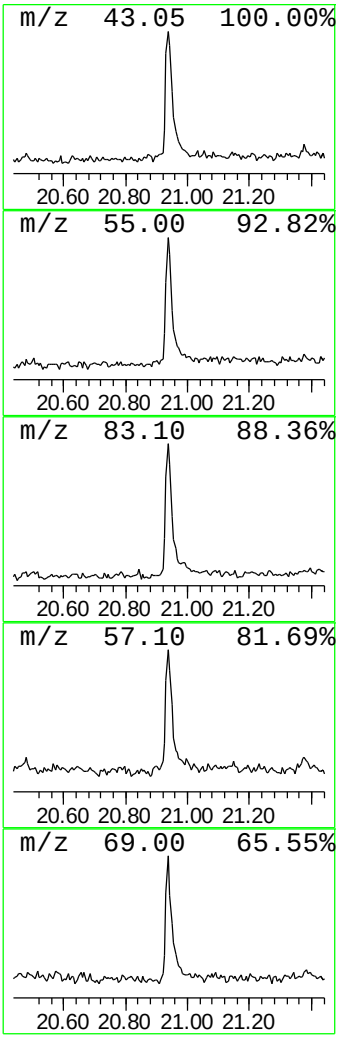
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.88 ng/ul	313019	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	99
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017781.D
Acq On : 6 Jul 2015 22:30
Operator : TP/UM
Sample : G2860-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93J8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.89	10.8	ng/ul	416259	1	7.61	771250	20.0
(DEL) Alkane: Cyc...	5.08	3.3	ng/ul	125378	1	7.61	771250	20.0
(DEL) Alkane: Cyc...	5.58	2.1	ng/ul	82069	1	7.61	771250	20.0
(DEL) Alkane: Cyc...	5.65	2.6	ng/ul	100216	1	7.61	771250	20.0
(DEL) Alkane: Cyc...	5.90	4.8	ng/ul	186096	1	7.61	771250	20.0
(DEL) Alkane: Str...	6.02	2.5	ng/ul	95386	1	7.61	771250	20.0
(DEL) Alkane: Str...	6.11	3.6	ng/ul	137429	1	7.61	771250	20.0
(DEL) Alkane: Str...	6.18	3.7	ng/ul	141967	1	7.61	771250	20.0
(DEL) Alkane: Str...	6.26	2.6	ng/ul	101548	1	7.61	771250	20.0
(DEL) Alkane: Cyc...	6.29	2.6	ng/ul	99433	1	7.61	771250	20.0
(DEL) Alkane: Cyc...	6.52	3.1	ng/ul	121403	1	7.61	771250	20.0
(DEL) Alkane: Cyc...	6.61	2.2	ng/ul	86218	1	7.61	771250	20.0
Benzene, 1,2,3-tr...	7.25	2.4	ng/ul	91877	1	7.61	771250	20.0
Indene	8.13	2.6	ng/ul	101904	1	7.61	771250	20.0
Benzene, 1-methyl...	8.70	2.3	ng/ul	89115	1	7.61	771250	20.0
Naphthalene, 1-me...	12.28	4.1	ng/ul	222656	2	10.38	1096430	20.0
Naphthalene, 2,6-...	13.43	5.0	ng/ul	394089	3	14.26	1571230	20.0
Naphthalene, 1,3-...	13.57	4.3	ng/ul	335138	3	14.26	1571230	20.0
Naphthalene, 1,7-...	13.81	2.0	ng/ul	157296	3	14.26	1571230	20.0
Dibenzothiophene	16.83	2.8	ng/ul	233501	4	17.01	1697680	20.0
Dibenzothiophene,...	17.73	2.0	ng/ul	171713	4	17.01	1697680	20.0
Phenanthrene, 2-m...	17.89	2.9	ng/ul	243970	4	17.01	1697680	20.0
Phenanthrene, 1-m...	17.93	4.6	ng/ul	391738	4	17.01	1697680	20.0
4H-Cyclopenta[def...	18.08	3.7	ng/ul	311014	4	17.01	1697680	20.0
(DEL) Alkane: Str...	20.94	2.9	ng/ul	313019	5	21.21	2170000	20.0