LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

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-BG100415.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	2.885	3	8	38	rVB	2870795	5766182	100.00%	19.828%
2	3.167	50	56	66	rBV	1476033	2581089	44.76%	8.876%
3	3.237	66	68	83	rVB	118698	182889	3.17%	0.629%
4	3.425	95	100	106	rVV	12578	19902	0.35%	0.068%
5	5.164	390	396	400	rBV2	7150	10231	0.18%	0.035%
6	6.040	540	545	551	rBV3	9584	17557	0.30%	0.060%
7	6.745	660	665	669	rBV3	9498	14966	0.26%	0.051%
8	7.050	704	717	723	rBV4	14433	29636	0.51%	0.102%
9	7.221	737	746	755	rBV	186747	320839	5.56%	1.103%
10	7.380	767	773	780	rBV	150914	240184	4.17%	0.826%
11	7.479	786	790	797	rVB7	6454	12456	0.22%	0.043%
12	7.591	801	809	816	rBV	185174	314603	5.46%	1.082%
13	8.055	880	888	895	rBV	240863	405357	7.03%	1.394%
14	8.190	904	911	917	rBV	25387	39835	0.69%	0.137%
15	8.278	917	926	932	rBV2	42499	66804	1.16%	0.230%
16	8.760	1001	1008	1015	rBV	210832	360408	6.25%	1.239%
17	9.213	1078	1085	1093	rVB	195142	340497	5.91%	1.171%
18	9.777	1177	1181	1186	rVB5	6619	10798	0.19%	0.037%
19	9.935	1201	1208	1217	rBV	160520	290034	5.03%	0.997%
20	10.482	1293	1301	1309	rVB	250608	432220	7.50%	1.486%
21	10.635	1321	1327	1334	rBV2	16926	29101	0.50%	0.100%
22	10.864	1356	1366	1372	rBV	353449	642434	11.14%	2.209%
23	10.993	1381	1388	1395	rBV	127811	237563	4.12%	0.817%
24	12.274	1601	1606	1610	rBV3	6489	9855	0.17%	0.034%
25	12.738	1679	1685	1691	rBV4	5108	11660	0.20%	0.040%
26	12.979	1721	1726	1732	rVB3	9666	14732	0.26%	0.051%
27	13.043	1732	1737	1741	rBV3	7808	11123	0.19%	0.038%
28	13.132	1746	1752	1757	rBV	16853	24183	0.42%	0.083%
29	13.290	1774	1779	1783	rBV2	11611	16910	0.29%	0.058%
30	13.502	1811	1815	1820	rBV2	7575	11996	0.21%	0.041%
31	13.590	1825	1830	1836	rVB	14871	25356	0.44%	0.087%
32	14.083	1904	1914	1918	rBV	425596	624900	10.84%	2.149%
33	14.130	1918	1922	1931	rVB	261731	370310	6.42%	1.273%
34	14.371	1956	1963	1971	rVB	496466	775639	13.45%	2.667%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

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-BG100415.M
Title : SVOA CALIBRATION

35	14.571	1993	1997	2006	rVB	20372	28321	0.49%	0.097%
36	14.683	2006	2016	2025	rBV2	521474	865263	15.01%	2.975%
37	14.871	2042	2048	2056	rBV	128195	208651	3.62%	0.717%
38	15.018	2069	2073	2078	rBV6	8967	14829	0.26%	0.051%
39	15.076	2078	2083	2089	rBV8	8392	16705	0.29%	0.057%
40	15.229	2104	2109	2117	rVB2	10796	20025	0.35%	0.069%
41	15.470	2144	2150	2155	rBV3	18779	33212	0.58%	0.114%
42	15.523	2155	2159	2165	rVB	27690	36094	0.63%	0.124%
43	15.670	2177	2184	2190	rBV	646763	948561	16.45%	3.262%
44	15.776	2197	2202	2211	rVB	78962	124167	2.15%	0.427%
45	15.905	2218	2224	2225	rBV5	14090	20674	0.36%	0.071%
46	16.022	2238	2244	2249	rBV9	7673	15736	0.27%	0.054%
47	16.146	2259	2265	2269	rBV6	5280	11351	0.20%	0.039%
48	16.222	2273	2278	2282	rBV2	15888	28313	0.49%	0.097%
49	16.381	2301	2305	2308	rBV	51827	74345	1.29%	0.256%
50	16.410	2308	2310	2314	rVB	36619	38958	0.68%	0.134%
51	16.533	2326	2331	2332	rBV3	8958	11632	0.20%	0.040%
52	16.645	2347	2350	2356	rVB3	16646	25756	0.45%	0.089%
53	16.727	2357	2364	2367	rBV8	12082	23608	0.41%	0.081%
54	16.769	2367	2371	2376	rVV2	14007	18745	0.33%	0.064%
55	16.816	2376	2379	2382	rVV4	12825	13553	0.24%	0.047%
56	16.910	2392	2395	2399	rBV5	8929	10595	0.18%	0.036%
57	16.957	2399	2403	2406	rBV4	16555	27714	0.48%	0.095%
58	16.992	2406	2409	2414	rVB5	11914	15281	0.27%	0.053%
59	17.174	2436	2440	2444	rBV	38776	48554	0.84%	0.167%
60	17.297	2456	2461	2465	rBV	127466	200318	3.47%	0.689%
61	17.333	2465	2467	2472	rVV2	48897	63640	1.10%	0.219%
62	17.380	2472	2475	2476	rVV3	11394	12683	0.22%	0.044%
63	17.421	2476	2482	2492	rVV2	605596	957765	16.61%	3.293%
64	17.521	2492	2499	2506	rVB	616390	934672	16.21%	3.214%
65	17.591	2506	2511	2519	rBV2	73889	132219	2.29%	0.455%
66	17.697	2527	2529	2534	rBV5	6678	10949	0.19%	0.038%
67	17.867	2556	2558	2561	rVB2	19152	19785	0.34%	0.068%
68	17.914	2563	2566	2569	rVV	26078	27320	0.47%	0.094%
69	18.020	2576	2584	2590	rBV	178433	351768	6.10%	1.210%
70	18.143	2600	2605	2609	rBV3	43707	76479	1.33%	0.263%
71	18.267	2622	2626	2630	rBV	73552	112663	1.95%	0.387%

LSC Area Percent Report

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Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

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-BG100415.M
Title : SVOA CALIBRATION

72	18.314	2630	2634	2642	rVV	315932	468827	8.13%	1.612%
73	18.484	2659	2663	2667	rBV	92634	119862	2.08%	0.412%
74	18.549	2670	2674	2678	rVB	66261	75723	1.31%	0.260%
75	18.590	2678	2681	2687	rBV2	62504	116182	2.01%	0.400%
76	18.766	2706	2711	2716	rBV2	116522	197170	3.42%	0.678%
77	18.866	2725	2728	2732	rBV	38249	51368	0.89%	0.177%
78	18.907	2732	2735	2738	rVV2	44618	53485	0.93%	0.184%
79	18.942	2738	2741	2747	rVB	63062	82999	1.44%	0.285%
80	19.036	2755	2757	2764	rVB4	57841	72947	1.27%	0.251%
81	19.230	2786	2790	2792	rBV2	64525	97333	1.69%	0.335%
82	19.301	2798	2802	2805	rBV	88246	117007	2.03%	0.402%
83	19.336	2805	2808	2818	rVB2	94529	157775	2.74%	0.543%
84	19.524	2838	2840	2842	rBV	35217	32953	0.57%	0.113%
85	19.577	2847	2849	2853	rVV	85214	93226	1.62%	0.321%
86	19.724	2870	2874	2879	rVB	382528	428398	7.43%	1.473%
87	19.806	2882	2888	2892	rBV	702732	1025318	17.78%	3.526%
88	20.241	2958	2962	2971	rBV	267941	353419	6.13%	1.215%
89	20.335	2976	2978	2982	rVB	96789	104884	1.82%	0.361%
90	20.764	3048	3051	3056	rVB2	329676	417839	7.25%	1.437%
91	20.834	3059	3063	3066	rVB	134343	151519	2.63%	0.521%
92	21.069	3099	3103	3110	rVB2	220010	309603	5.37%	1.065%
93	21.334	3143	3148	3155	rVB3	324327	599623	10.40%	2.062%
94	21.692	3203	3209	3215	rVB	741781	1172186	20.33%	4.031%
95	21.892	3240	3243	3251	rVB	189311	297363	5.16%	1.023%
96	22.509	3344	3348	3354	rBV	189520	288923	5.01%	0.994%
97	23.214	3463	3468	3475	rVB	163365	310103	5.38%	1.066%
98	24.031	3601	3607	3612	rVB	172170	352362	6.11%	1.212%
99	24.706	3715	3722	3731	rVB	321038	892982	15.49%	3.071%
100	24.935	3754	3761	3768	rBV3	288317	795986	13.80%	2.737%

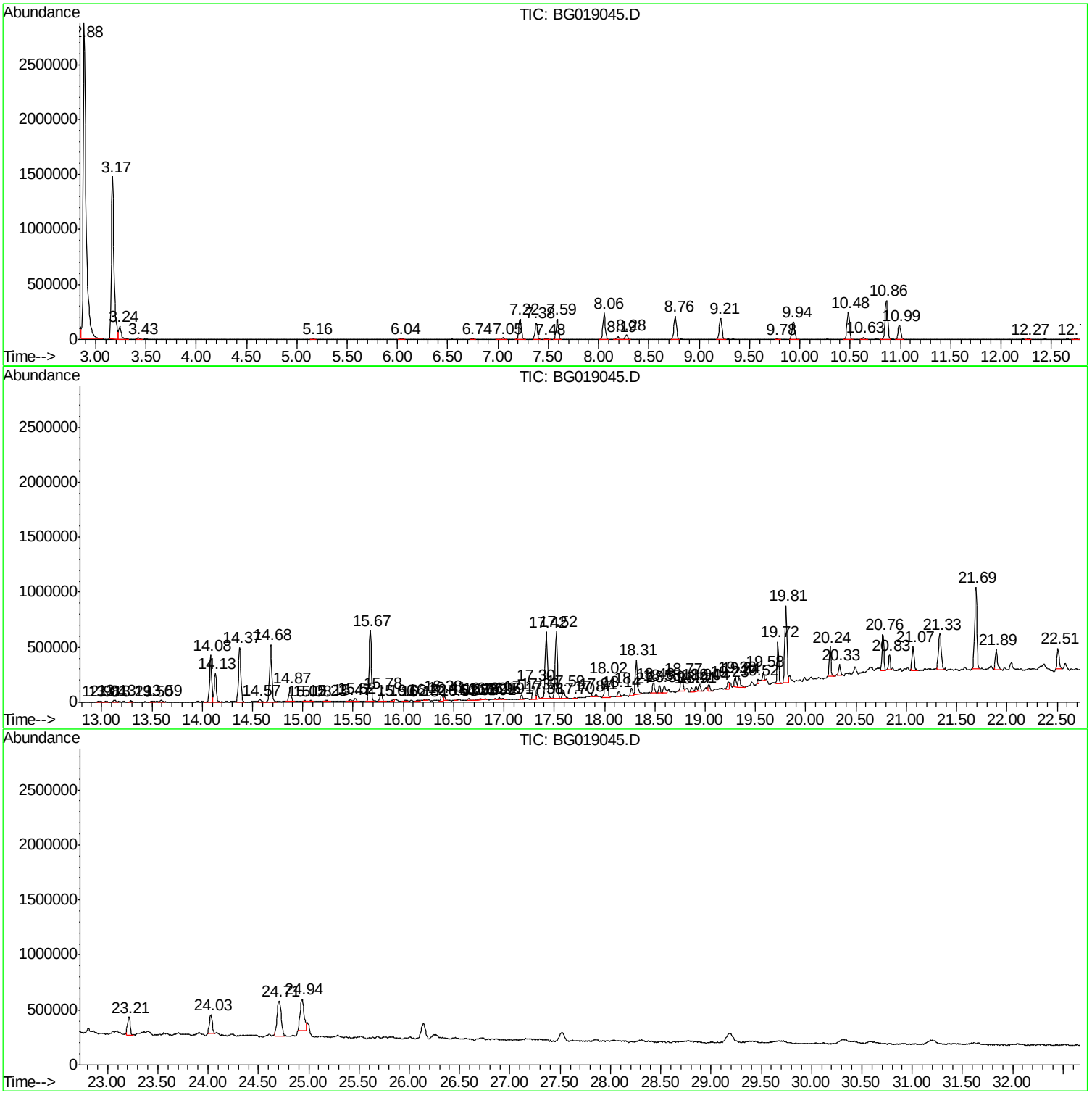
Sum of corrected areas: 29080518

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

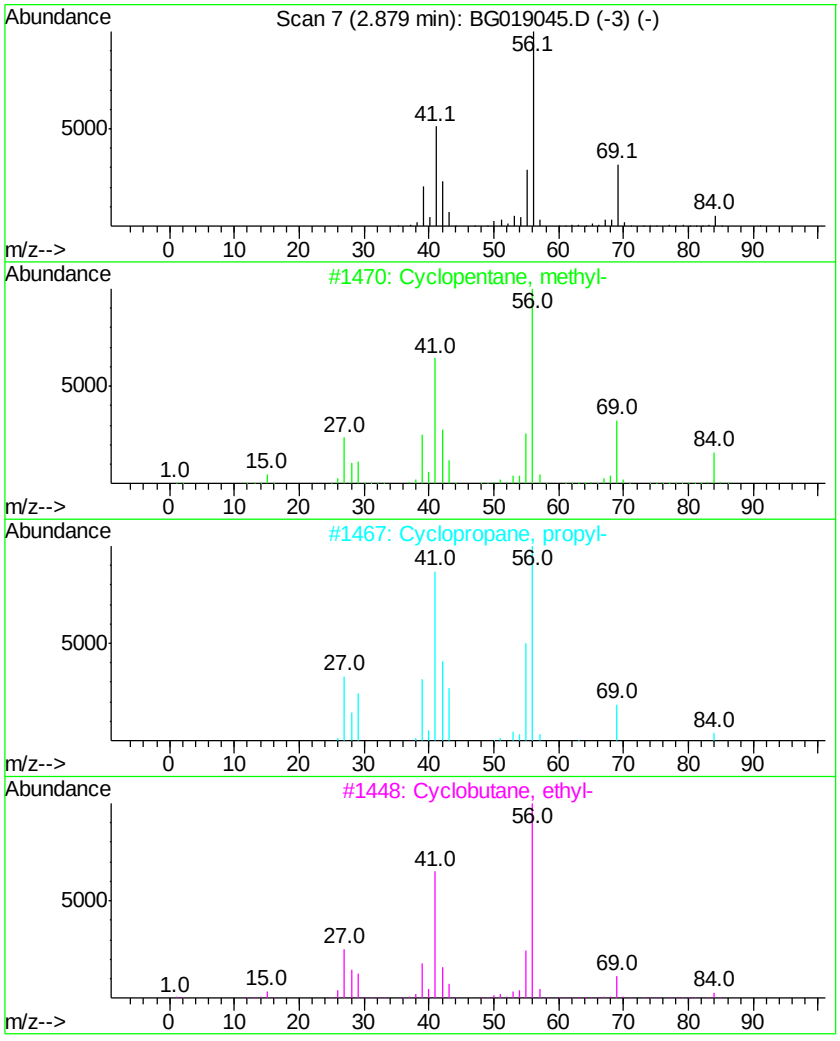
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

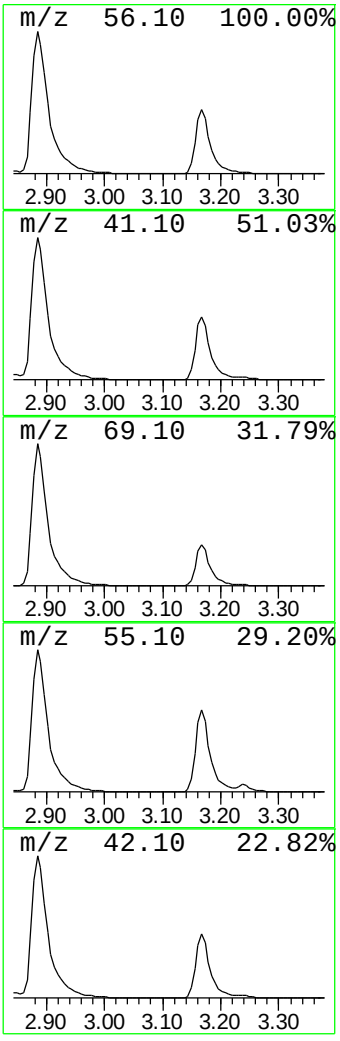
****

Peak Number 1 (DEL) Alkane: Cyclic2.88 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	284.50 ng/ul	5766180	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

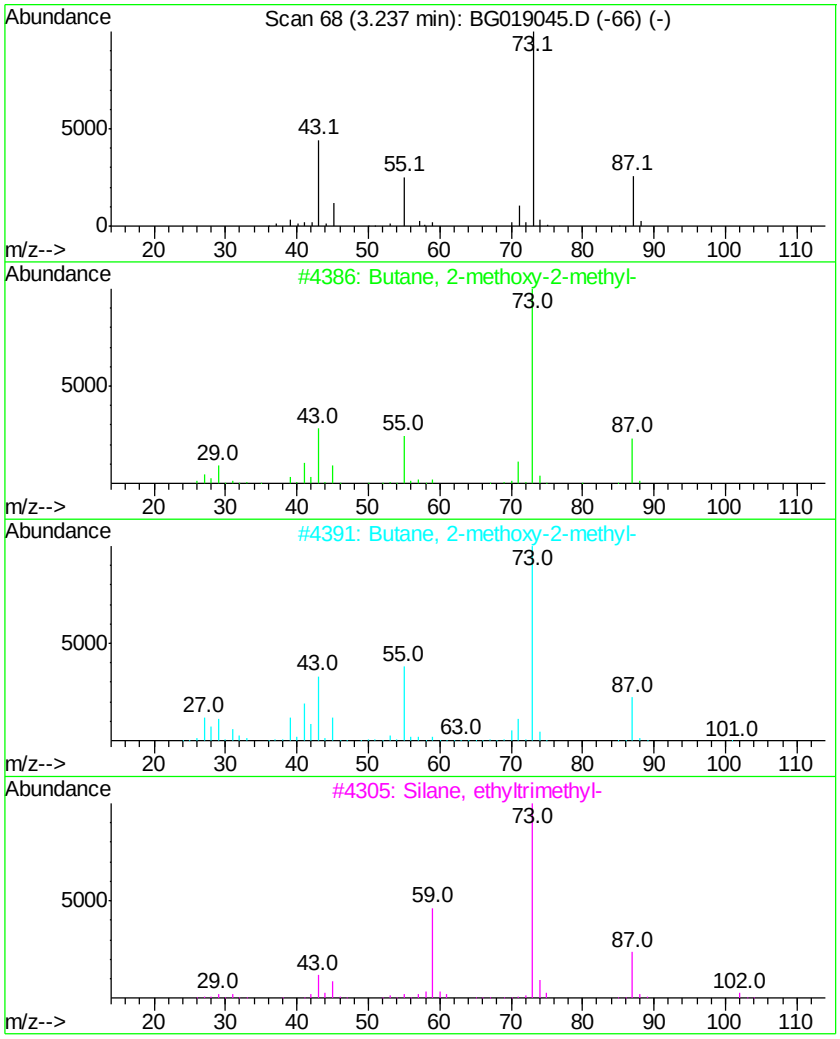
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

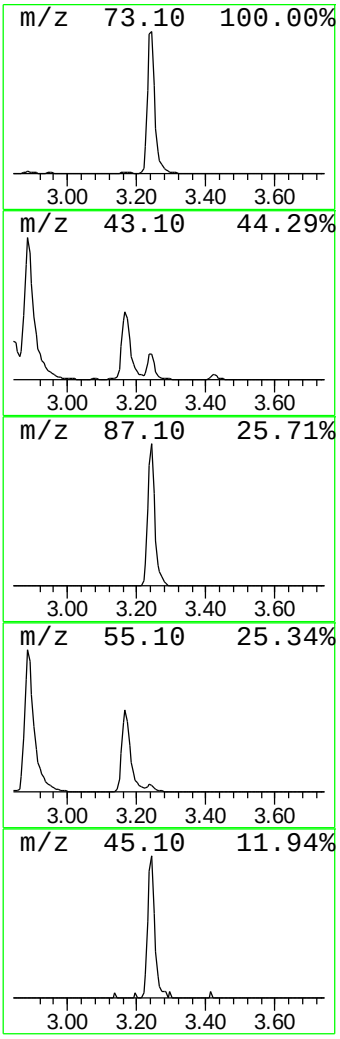
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	9.02 ng/ul	182889	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

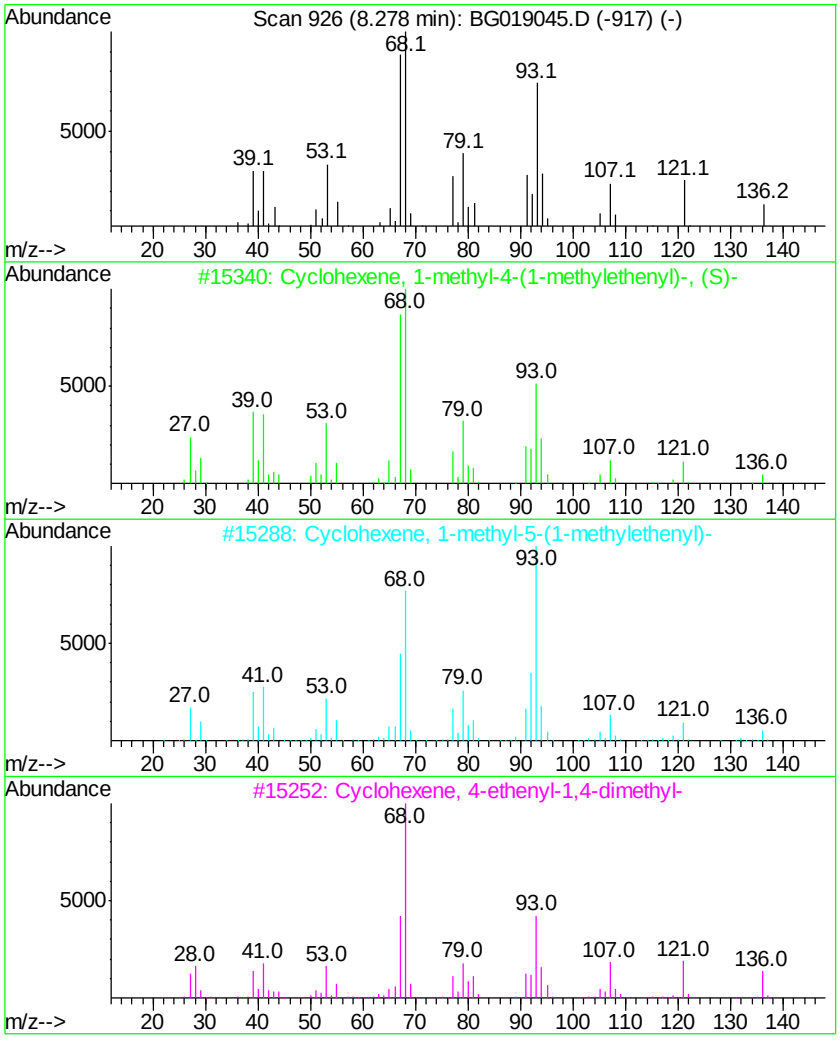
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

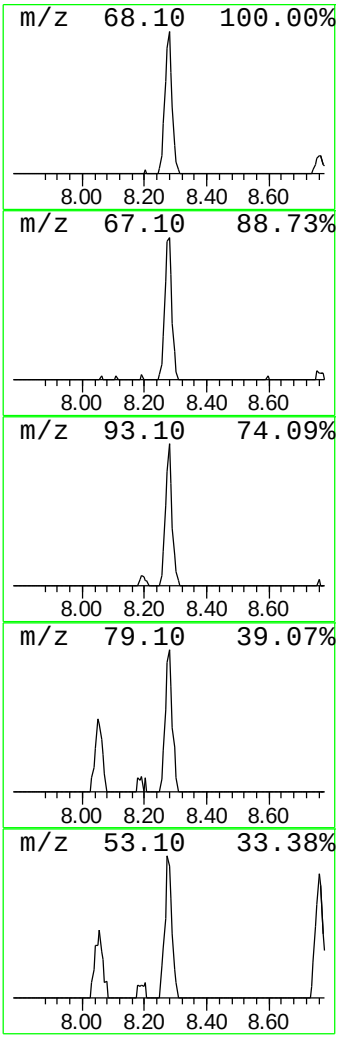
****

Peak Number 4 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	3.30 ng/ul	66804	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	91
2	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	83
3	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	81
4	Limonene	136	C10H16	000138-86-3	68
5	D-Limonene	136	C10H16	005989-27-5	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

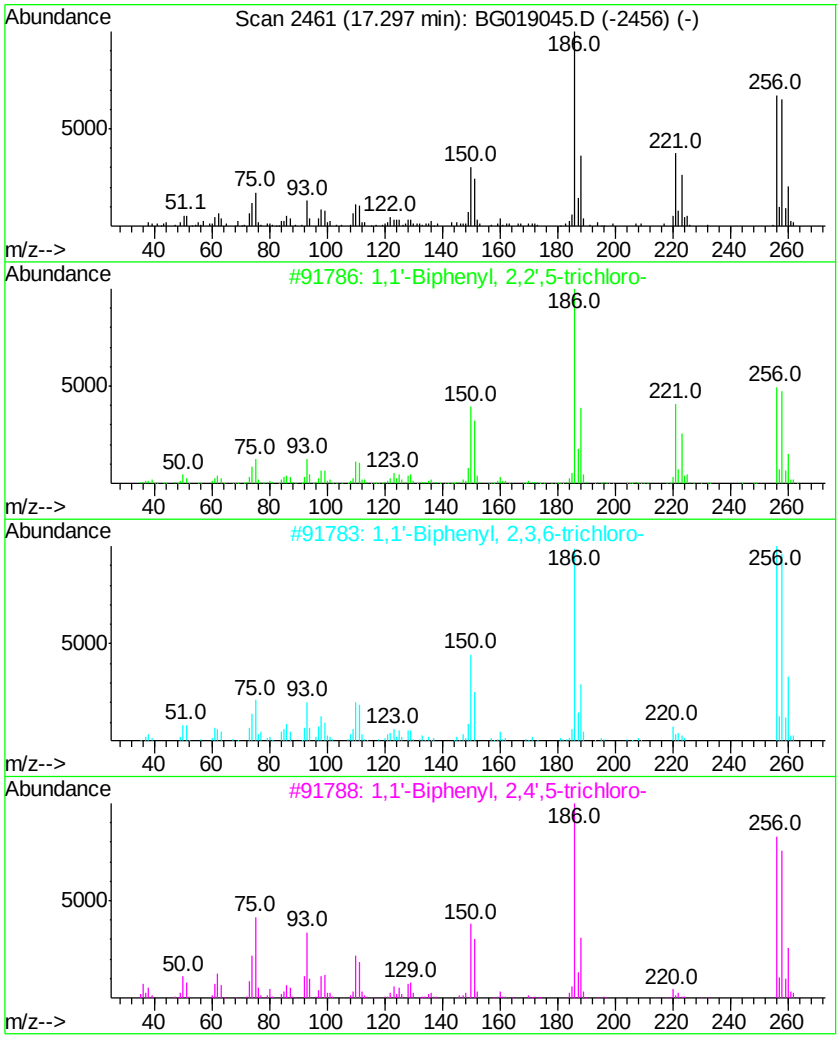
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

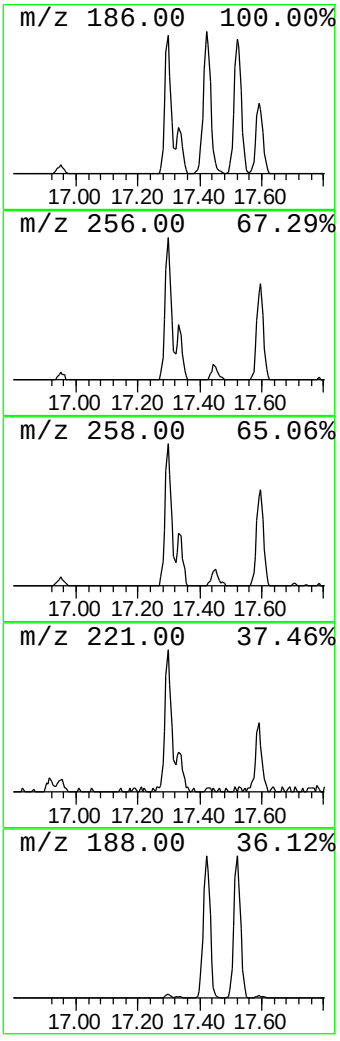
****

Peak Number 5 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	4.18 ng/ul	200318	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	96
5	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

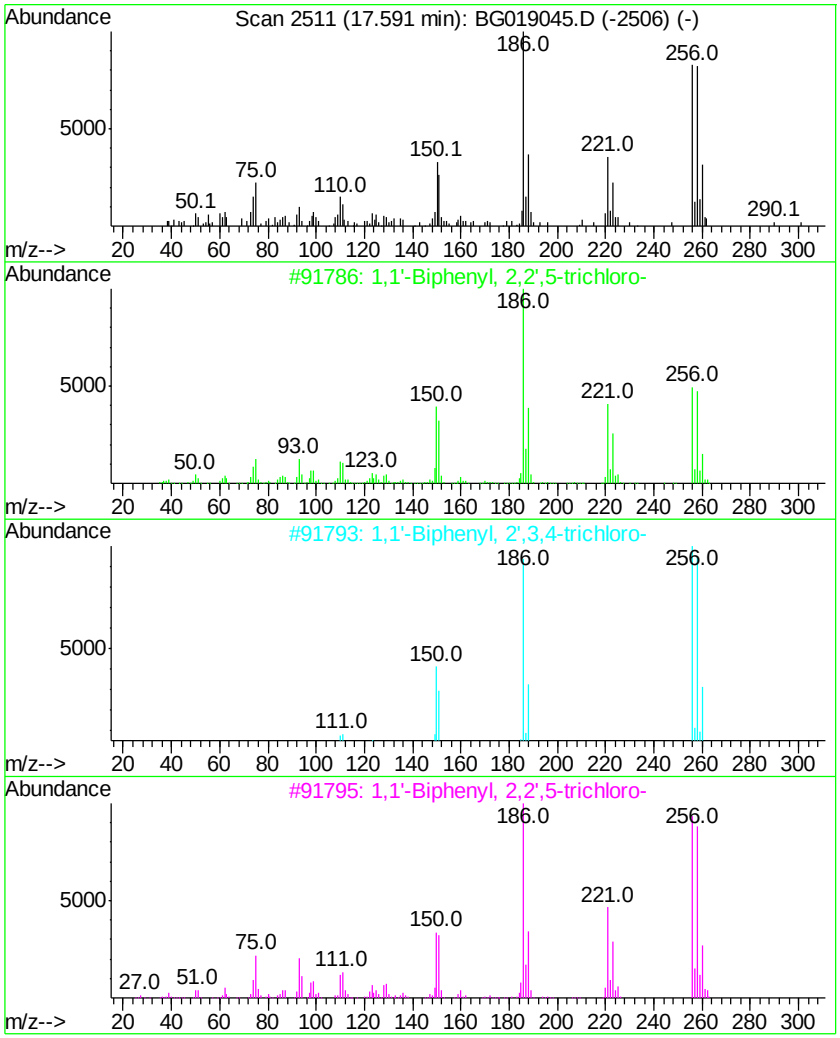
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

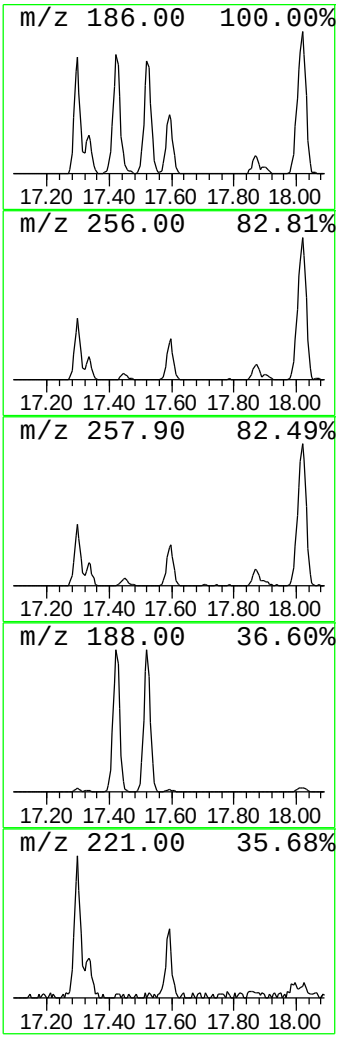
****

Peak Number 6 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	2.76 ng/ul	132219	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	97
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	94
5	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	94





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Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

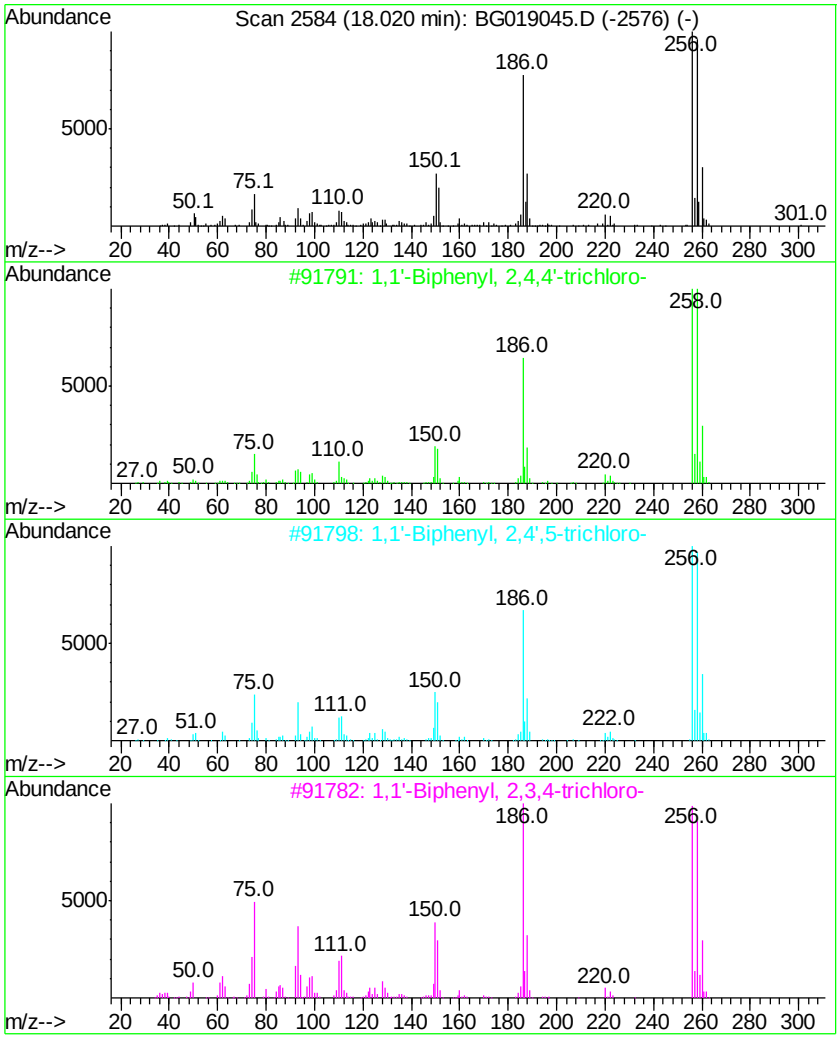
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

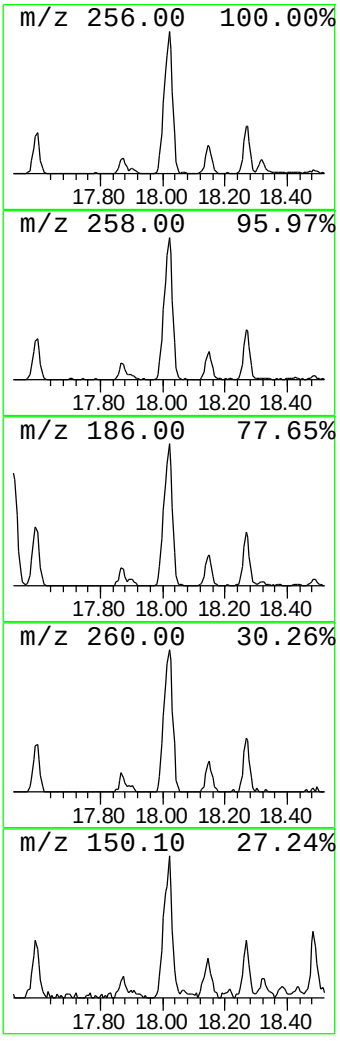
****

Peak Number 7 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	7.35 ng/ul	351768	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
5	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98





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Acq On : 6 Oct 2015 2:32
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Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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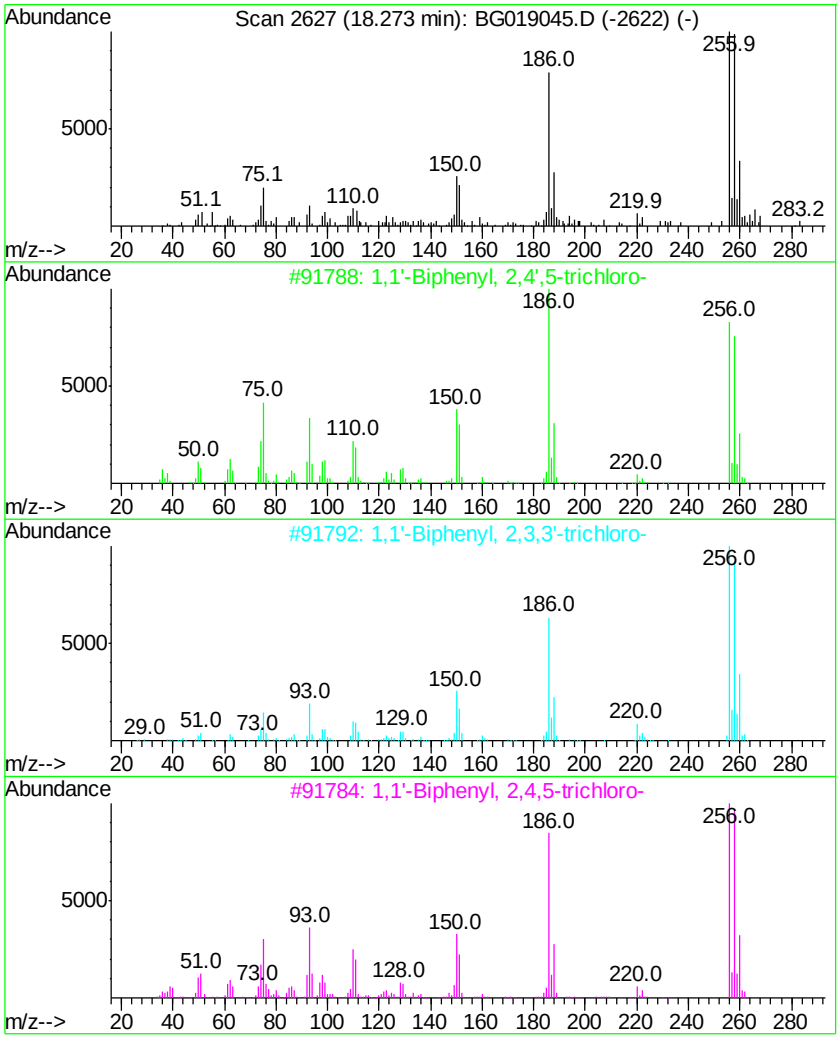
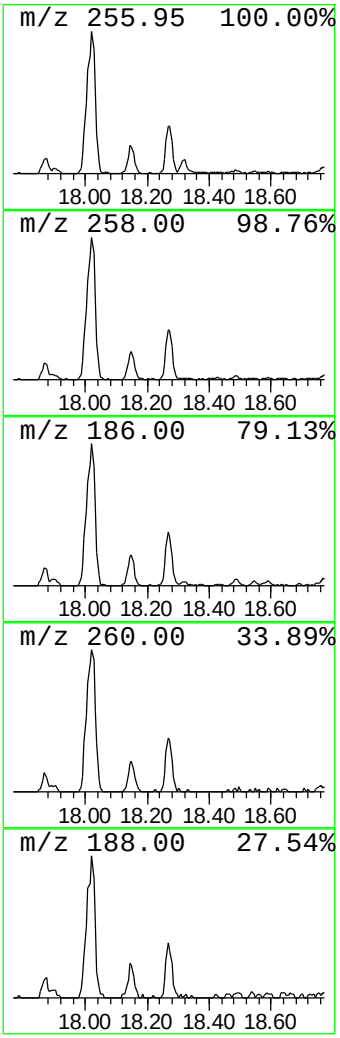
Peak Number 8 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	2.35 ng/ul	112663	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97
2	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	97
3	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	96
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	95





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Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

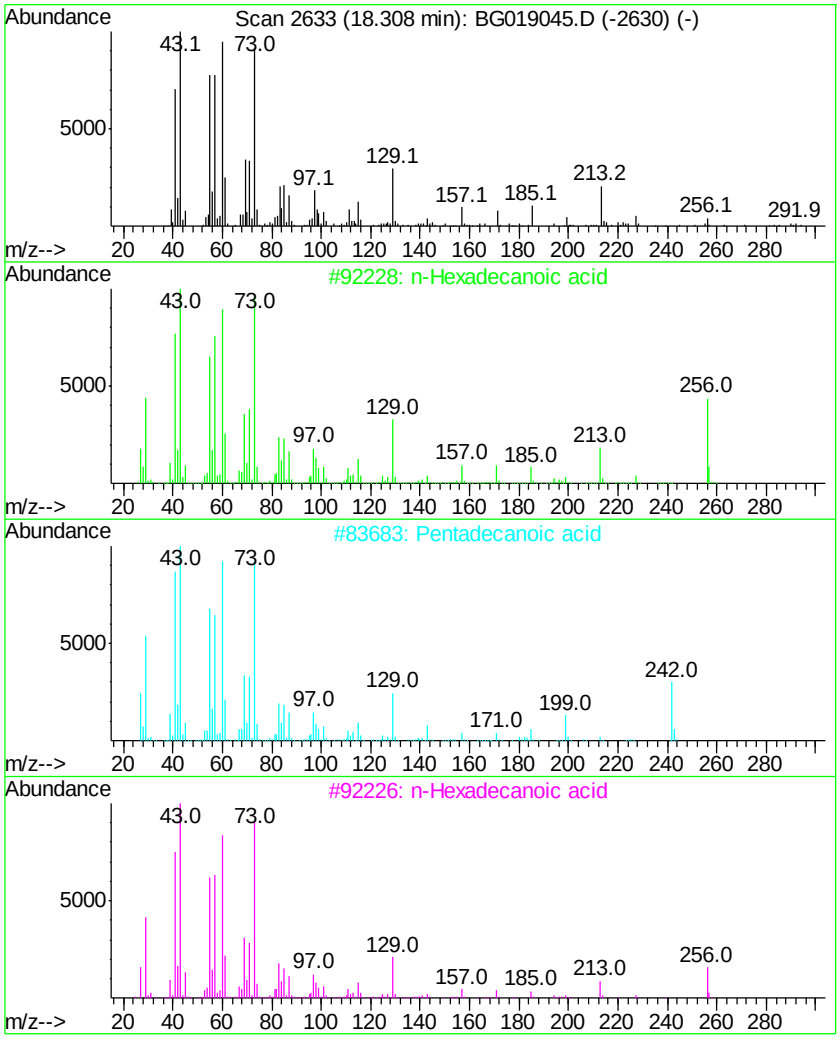
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

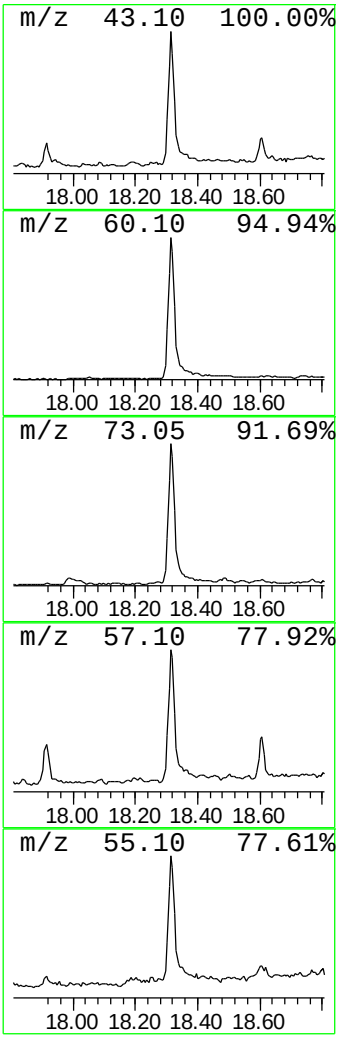
****

Peak Number 9 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	9.79 ng/ul	468827	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





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Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

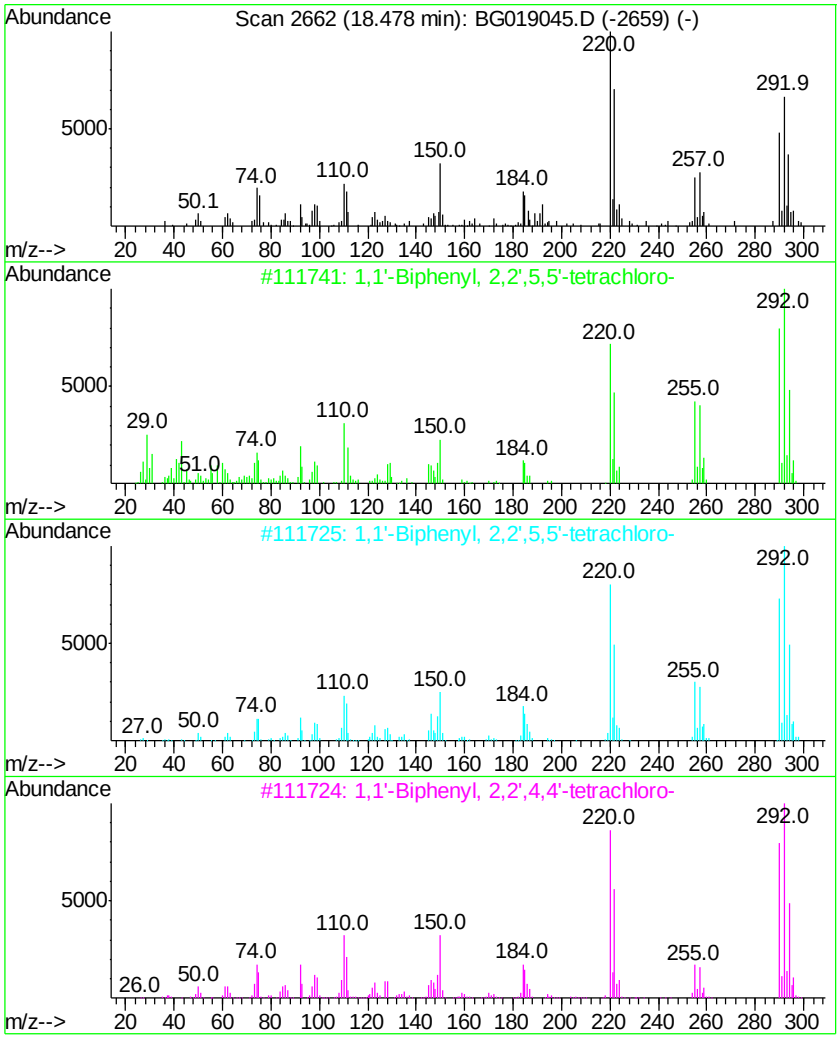
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

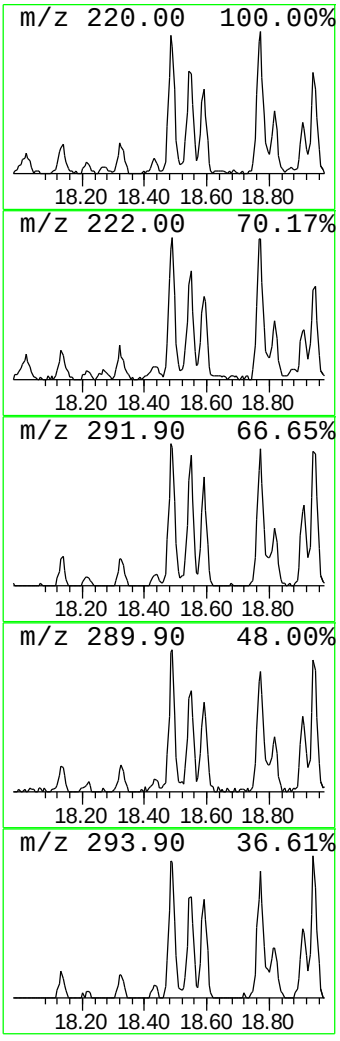
****

Peak Number 10 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	2.50 ng/ul	119862	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





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Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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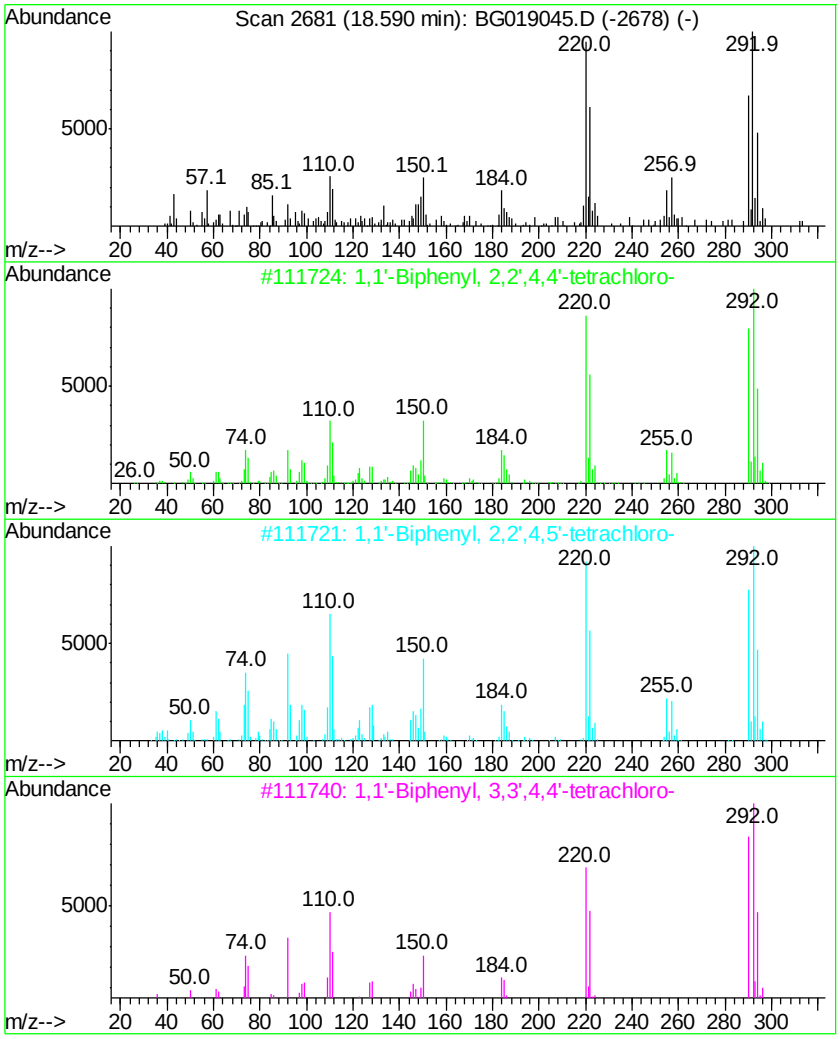
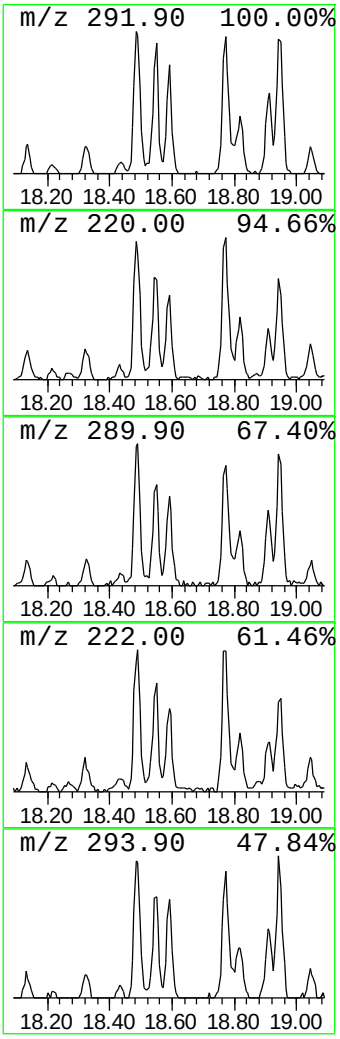
Peak Number 11 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.43 ng/ul	116182	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
4	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	95
5	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	95





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Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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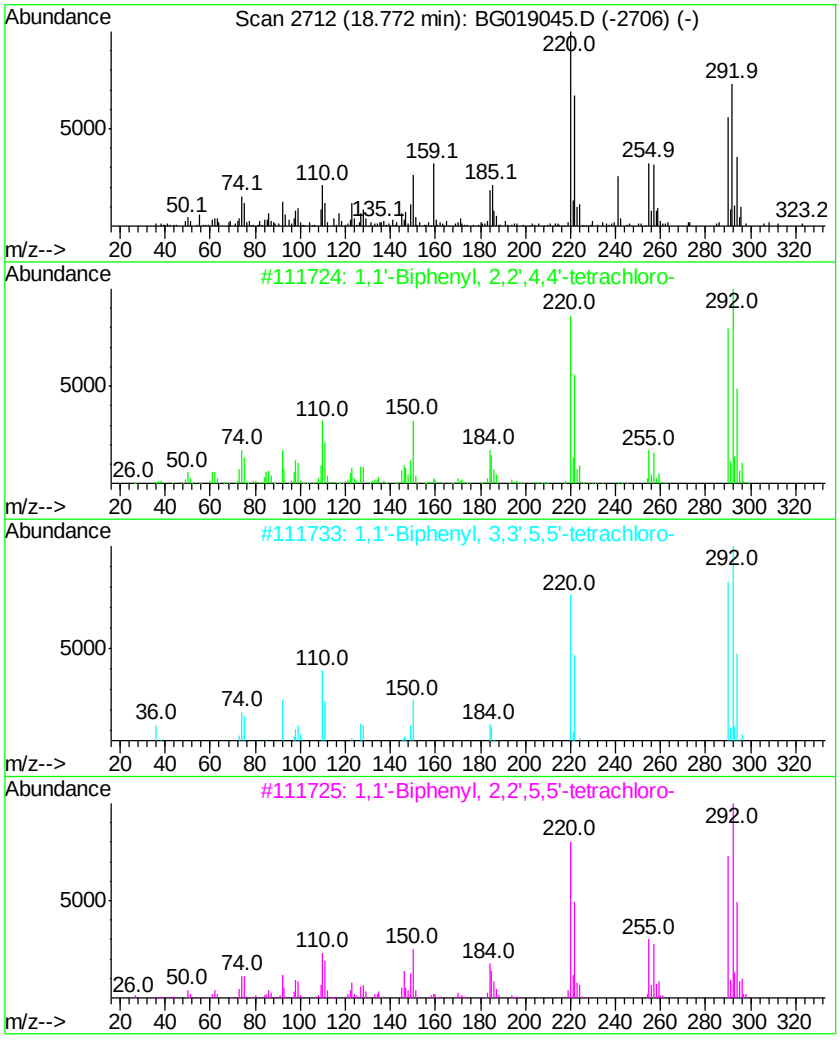
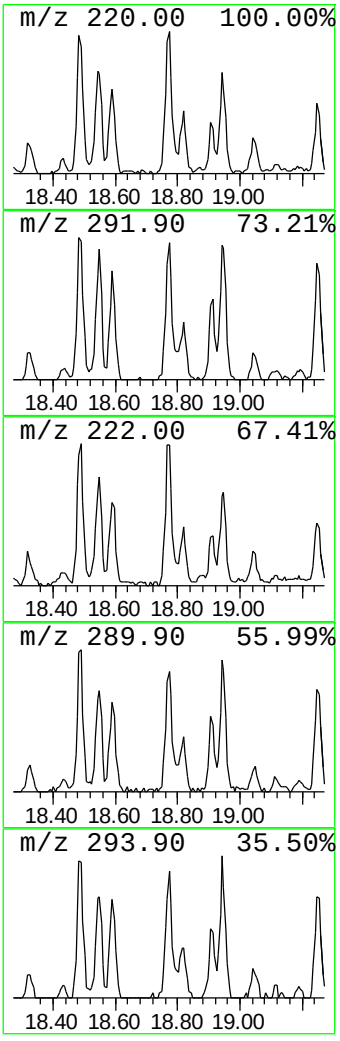
Peak Number 12 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	4.12 ng/ul	197170	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	99
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99





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Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

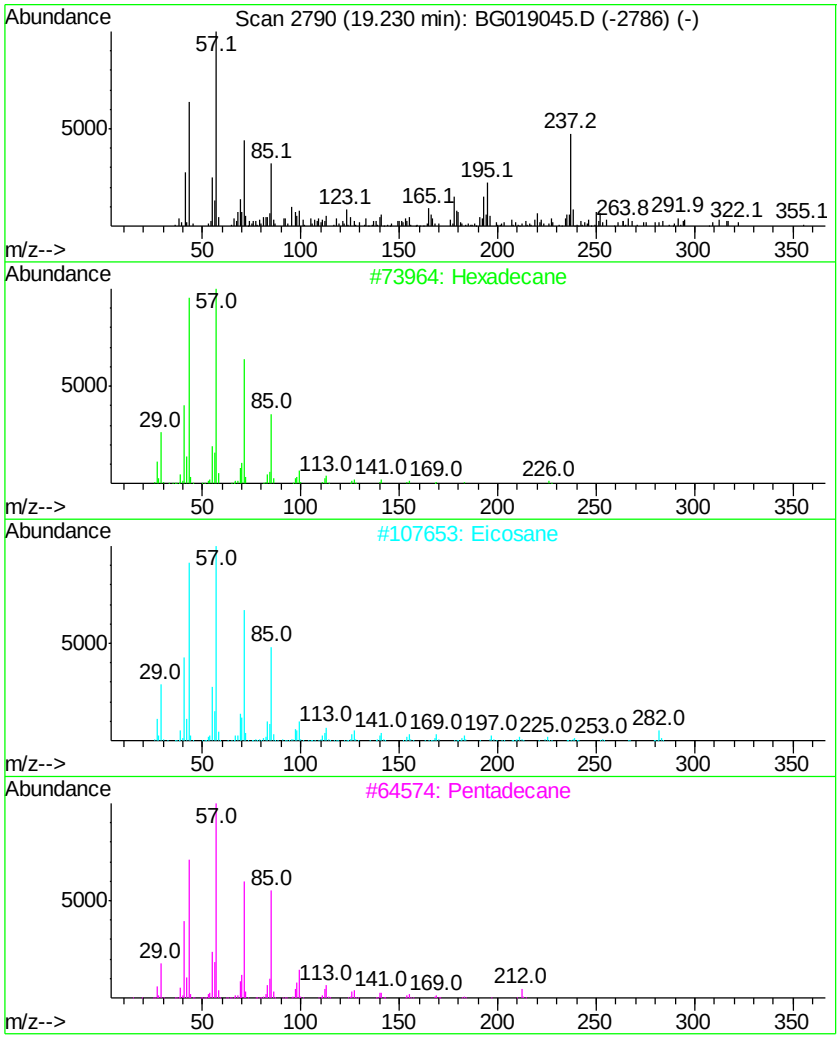
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

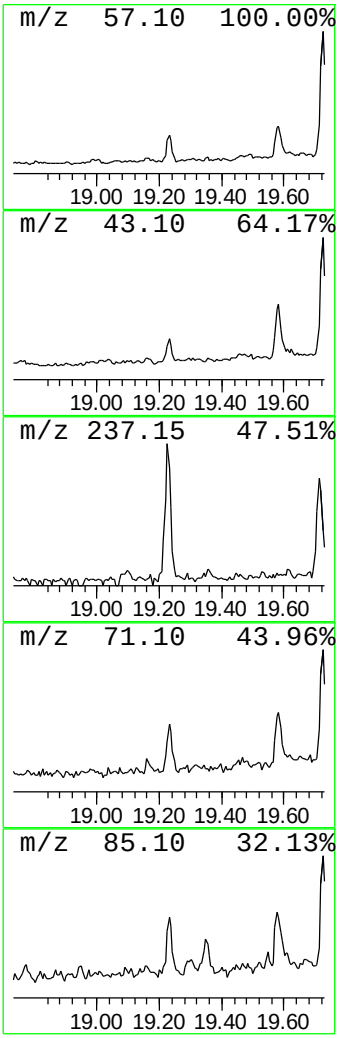
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.03 ng/ul	97333	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	56
2	Eicosane	282	C20H42	000112-95-8	42
3	Pentadecane	212	C15H32	000629-62-9	42
4	Dodecane	170	C12H26	000112-40-3	38
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	38





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Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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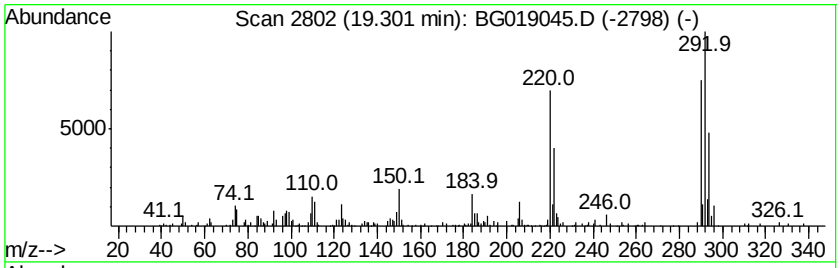
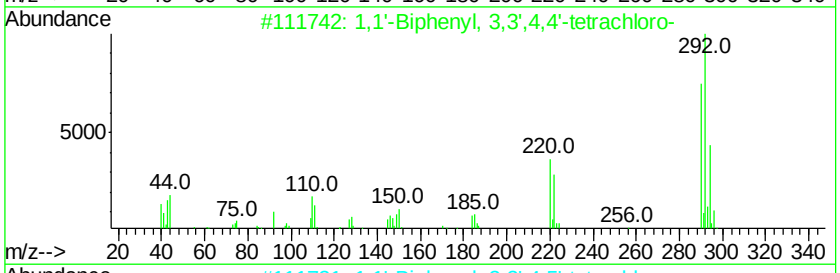
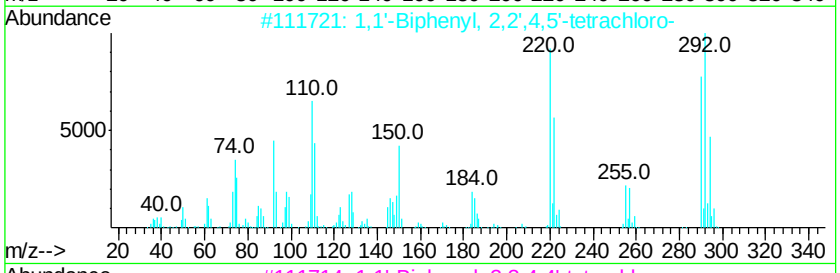
Peak Number 14 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 22

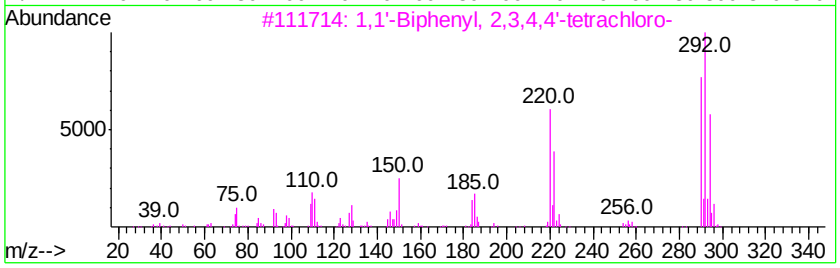
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	2.44 ng/ul	117007	Phenanthrene-d10	17.42

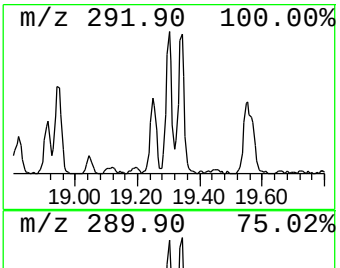
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96
3	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	96
4	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	95
5	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	95

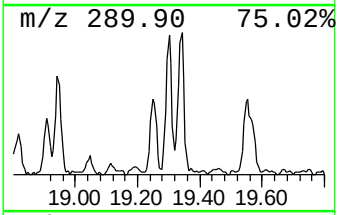


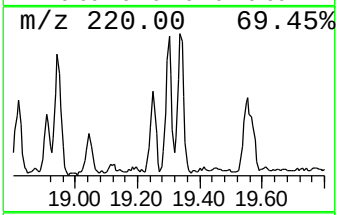


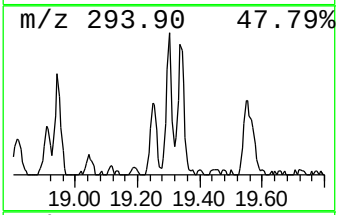


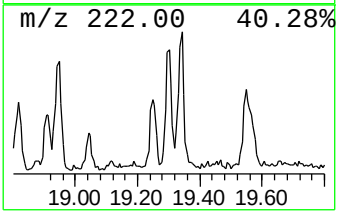












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Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

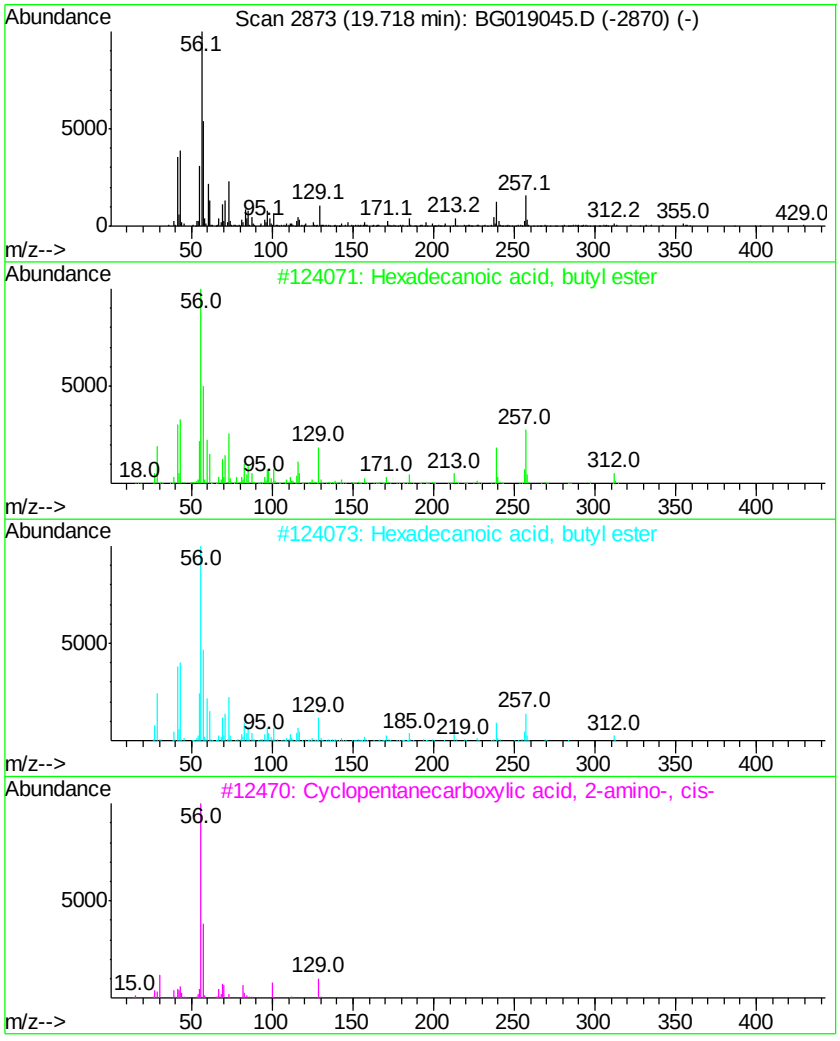
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

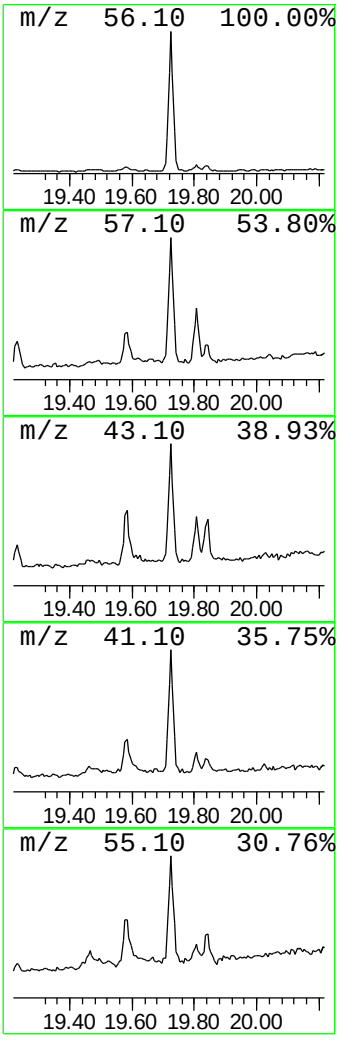
****

Peak Number 16 Hexadecanoic acid, butyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	7.31 ng/ul	428398	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	90
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	45
3	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	38
4	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	38
5	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	38





Library Search Compound Report

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Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

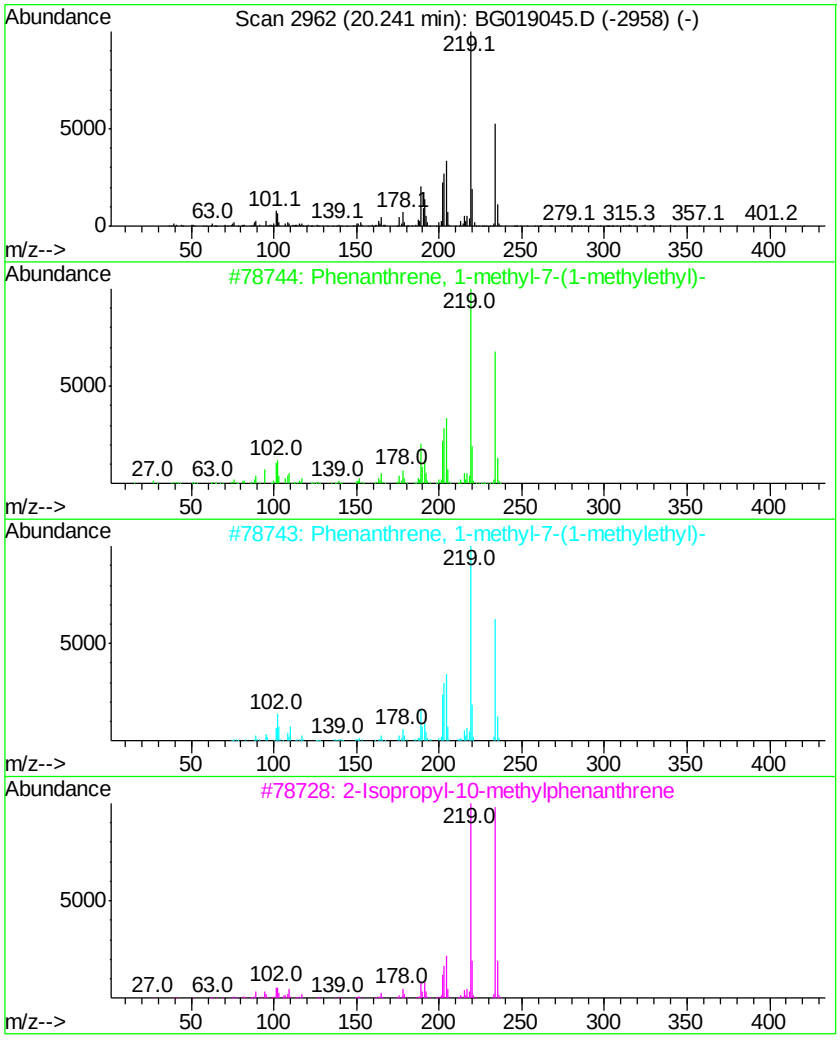
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

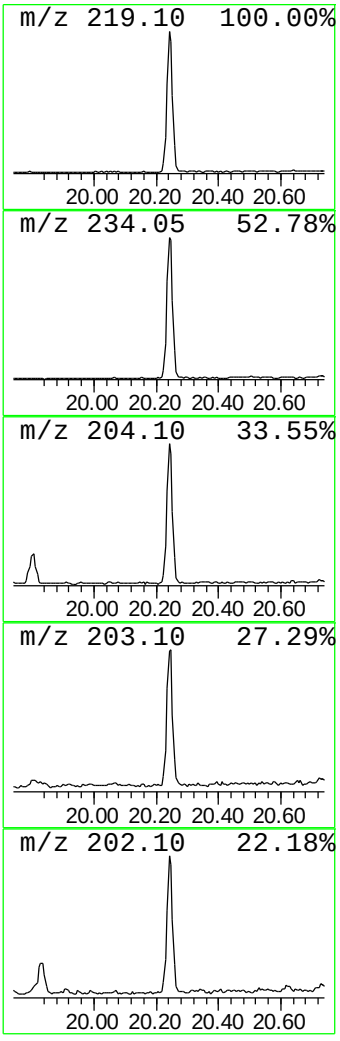
****

Peak Number 17 Phenanthrene, 1-methyl-7-(1... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	6.03 ng/ul	353419	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	98
2	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	95
3	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
4	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	94
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	62





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

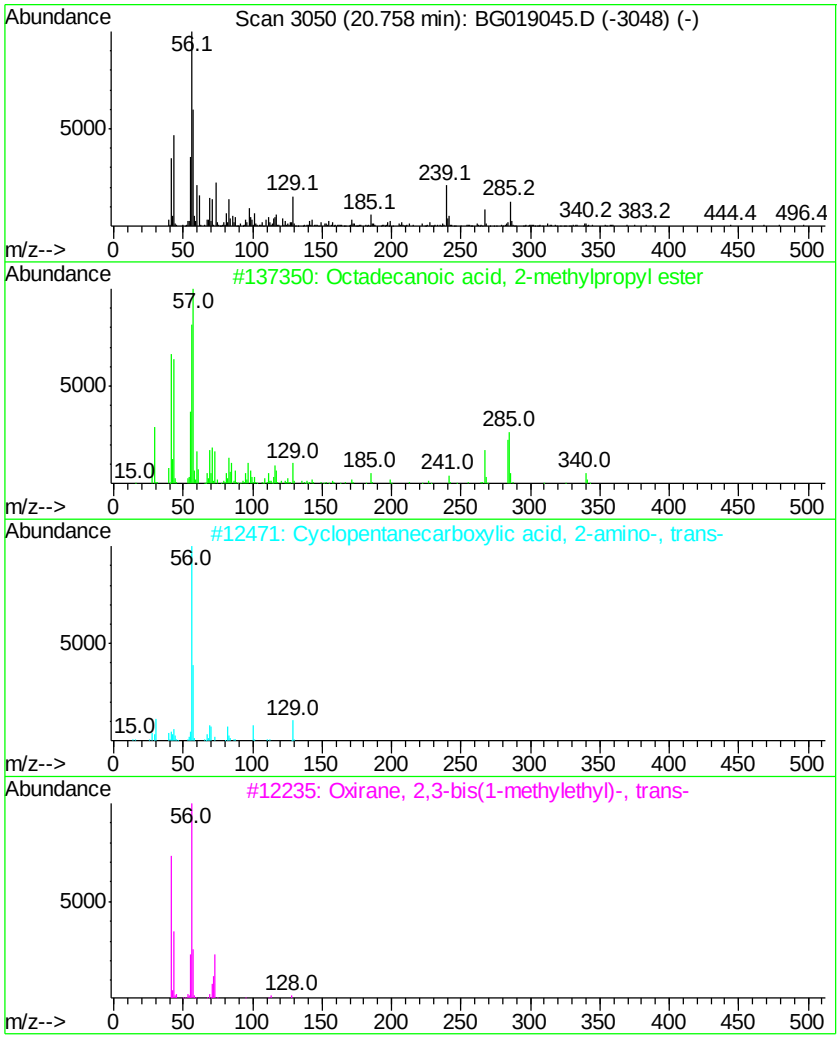
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

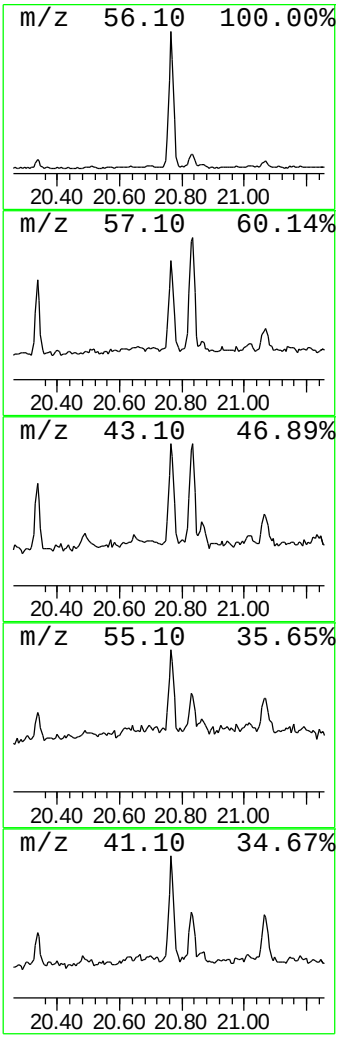
****

Peak Number 18 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	7.13 ng/ul	417839	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	38
2	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	35
3	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	35
4	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	30
5	4-Ethyl-4-methyl-5-methylene-[1,...	142	C7H10O3	080956-52-1	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

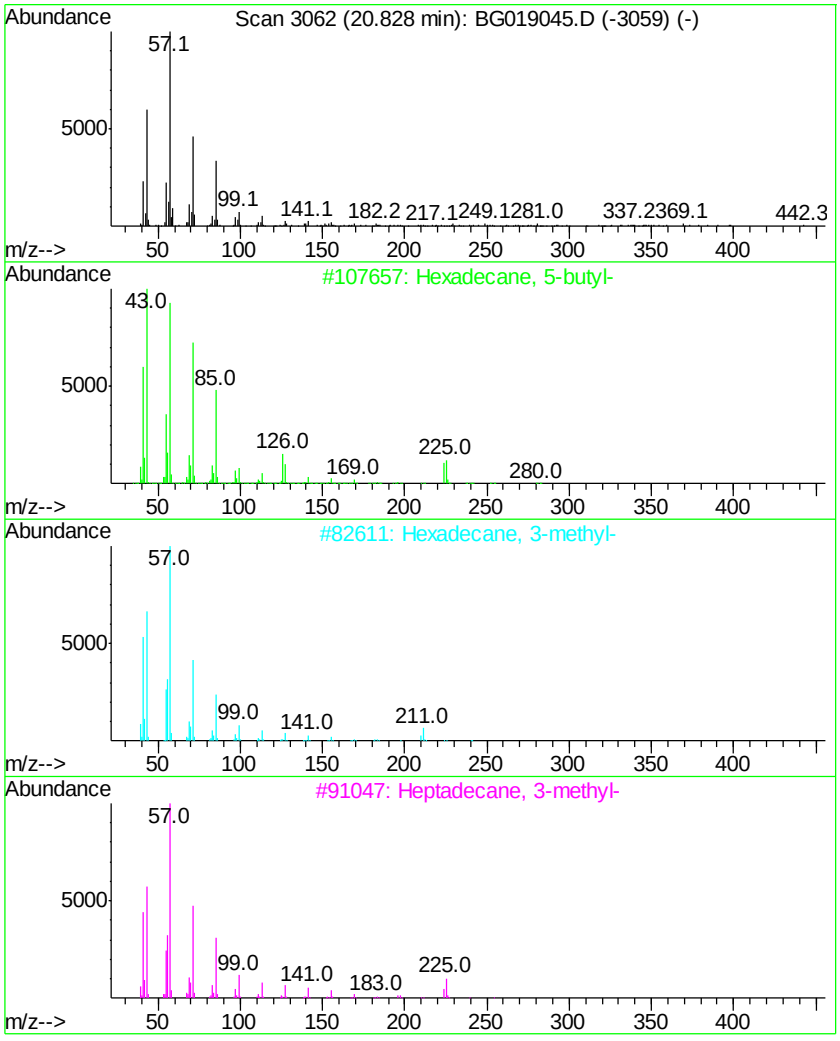
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

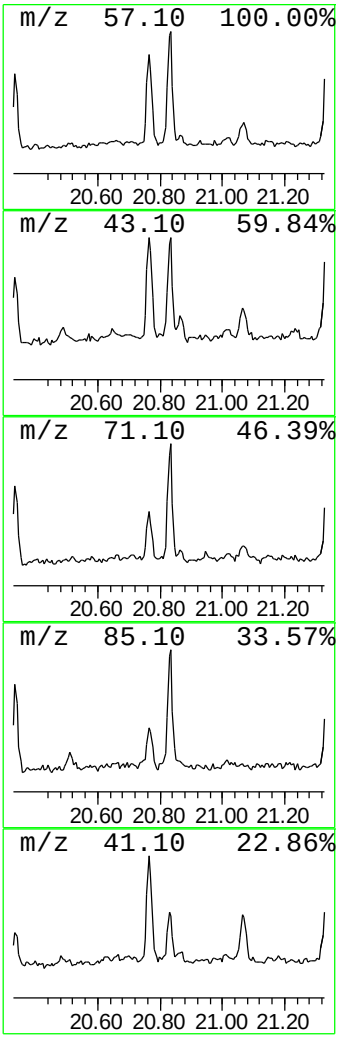
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.59 ng/ul	151519	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	89
2	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	87
3	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	83
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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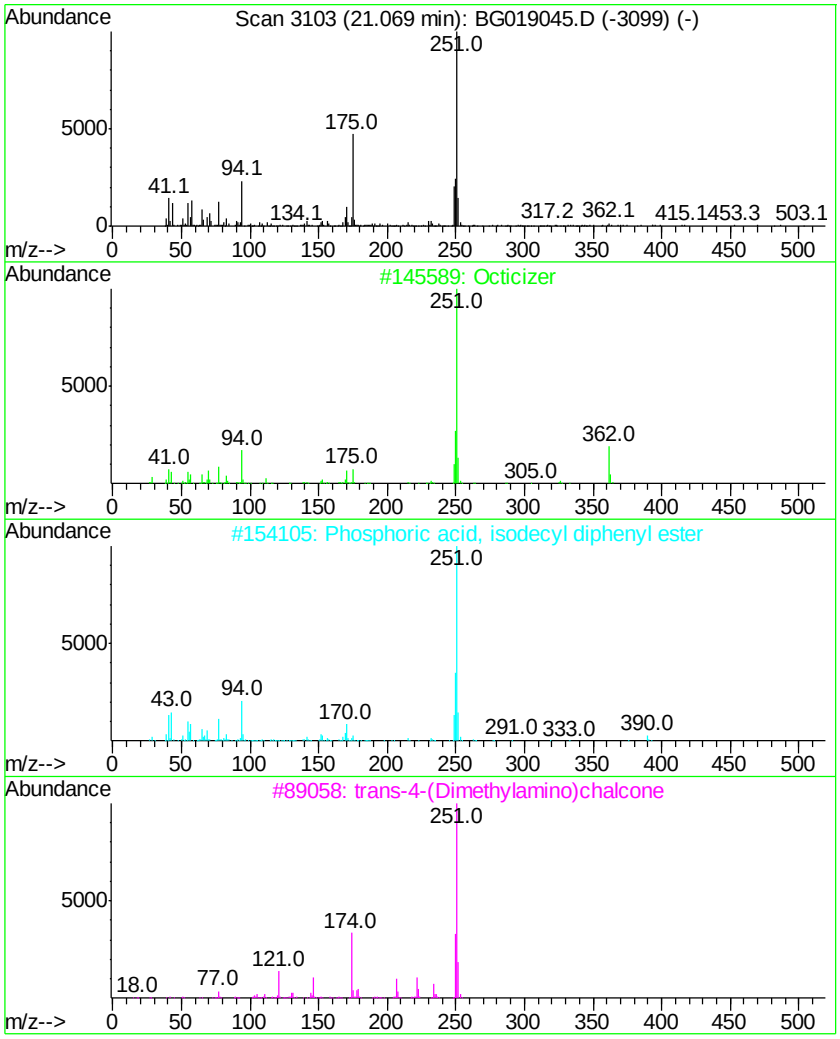
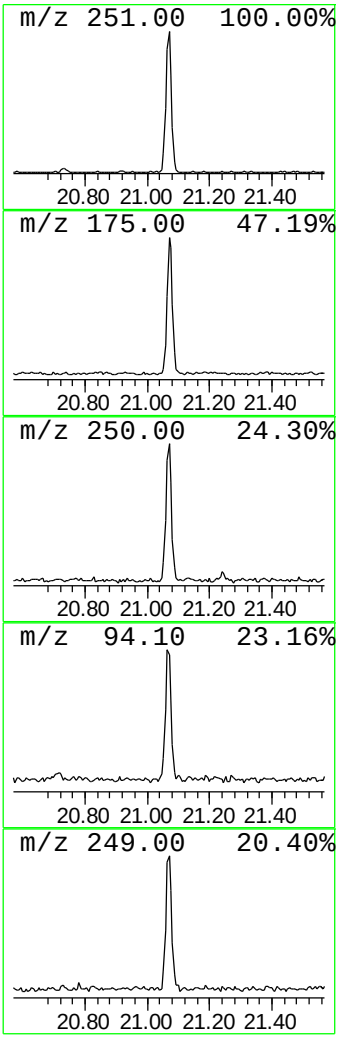
Peak Number 20 Octicizer Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	5.28 ng/ul	309603	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octicizer	362	C20H27O4P	001241-94-7	52
2	Phosphoric acid, isodecyl diphen...	390	C22H31O4P	029761-21-5	47
3	trans-4-(Dimethylamino)chalcone	251	C17H17NO	022965-98-6	43
4	2-(2-Benzothiazolyl)benzofurane	251	C15H9NOS	069976-47-2	25
5	Ethyl 3-[3-ethylamino-5-methoxyp...	251	C14H21NO3	1000213-27-4	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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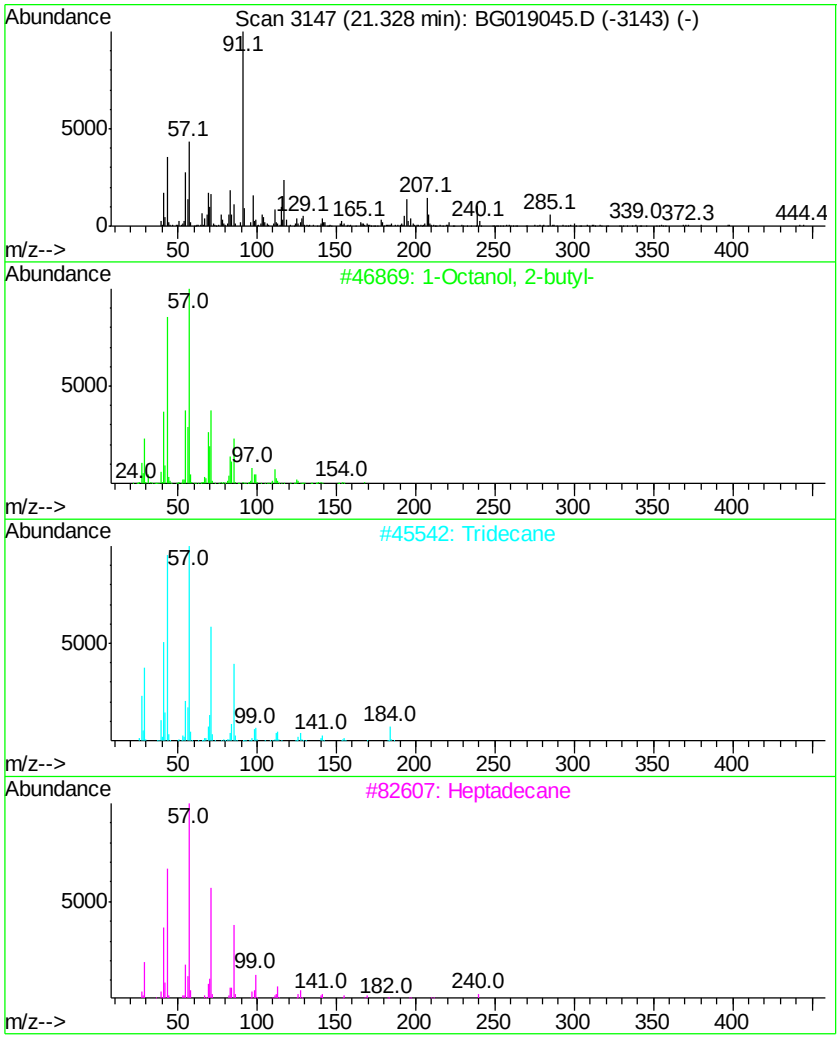
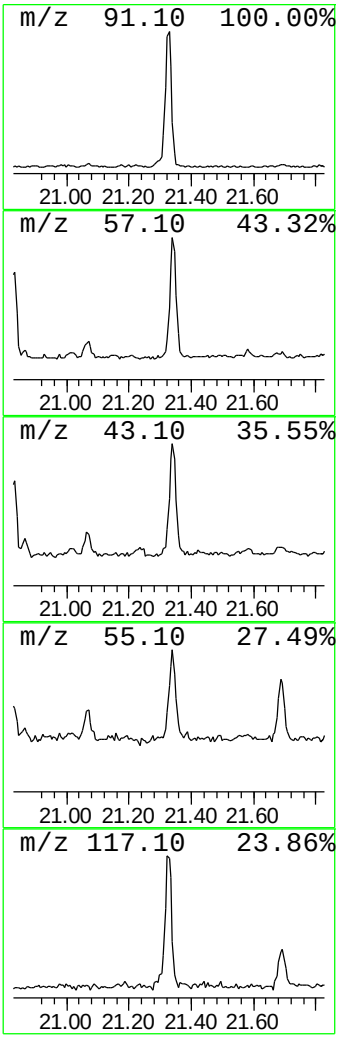
Peak Number 21 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	10.23 ng/ul	599623	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	43
2	Tridecane	184	C13H28	000629-50-5	42
3	Heptadecane	240	C17H36	000629-78-7	42
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	38
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

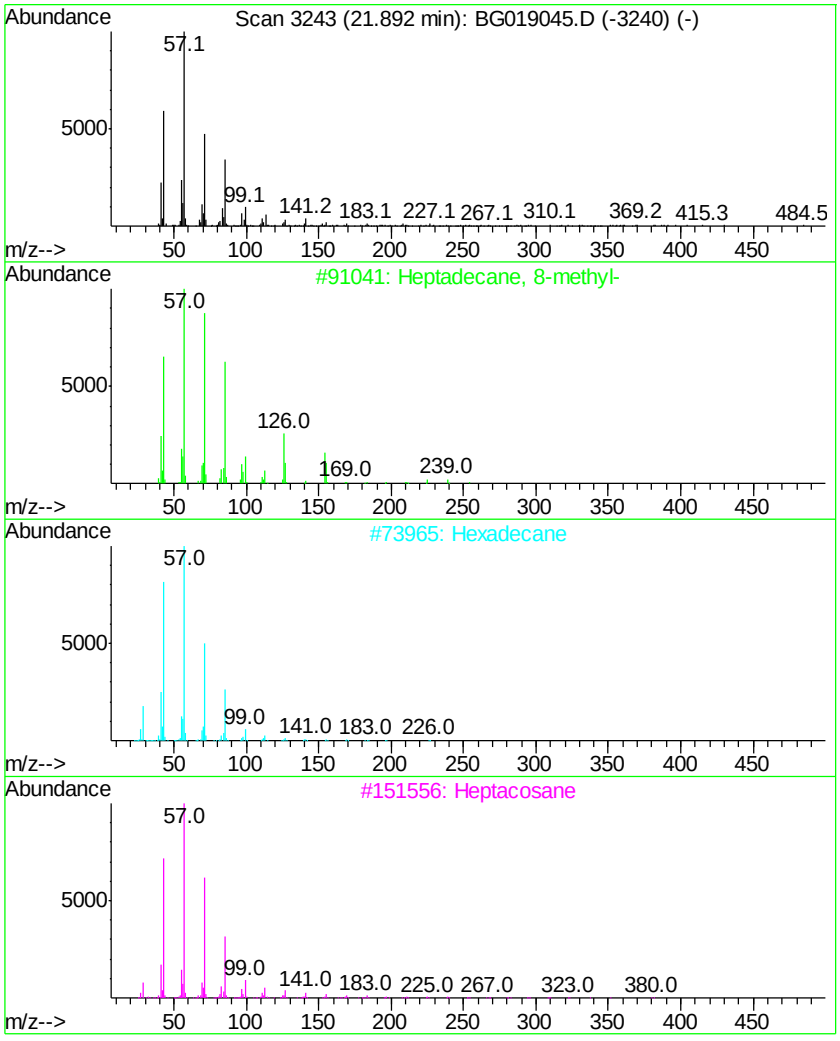
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

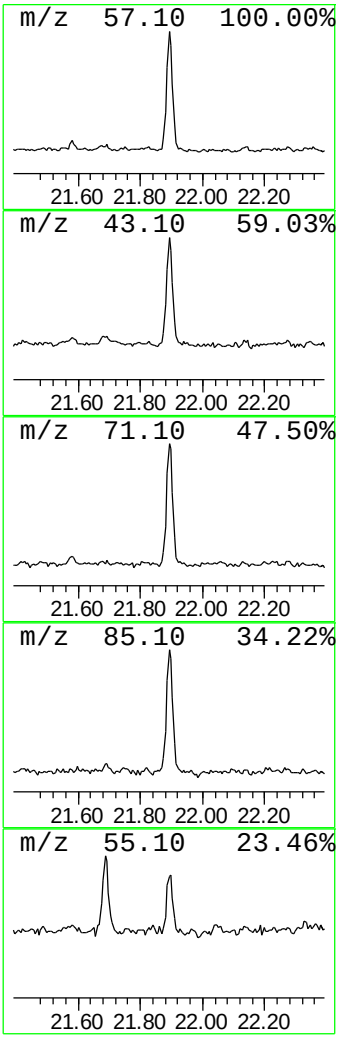
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	5.07 ng/ul	297363	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	89
2	Hexadecane	226	C16H34	000544-76-3	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Docosane	310	C22H46	000629-97-0	87
5	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

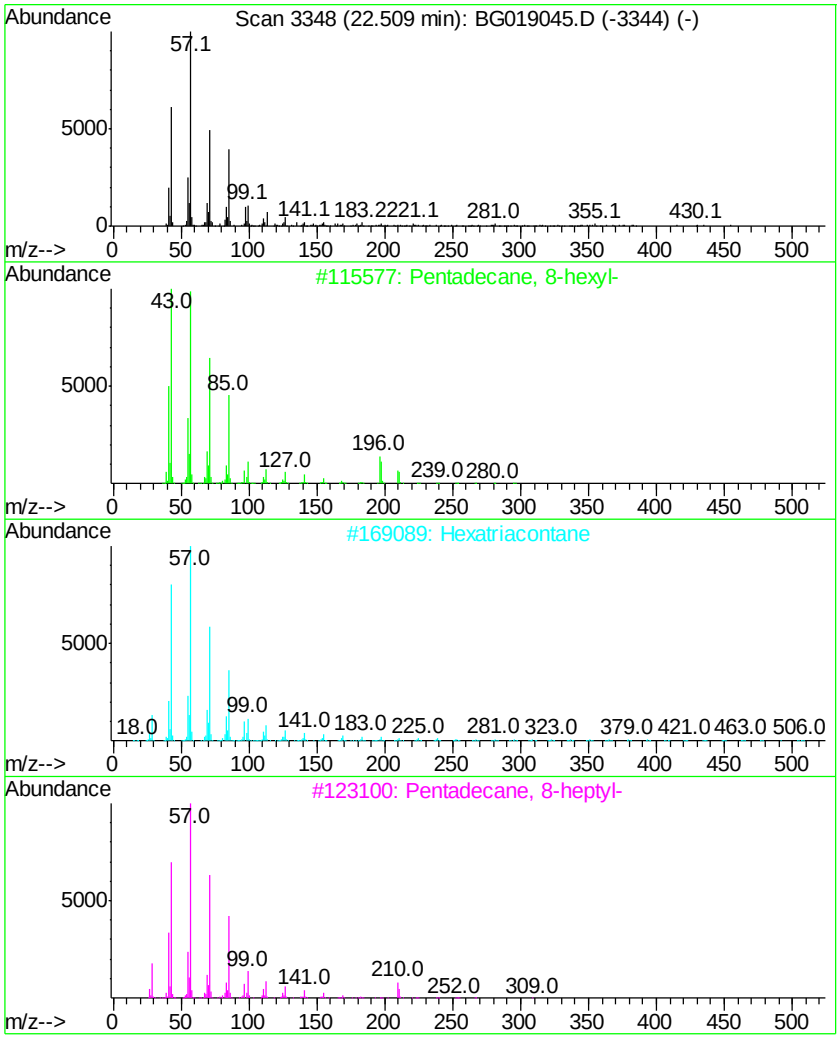
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

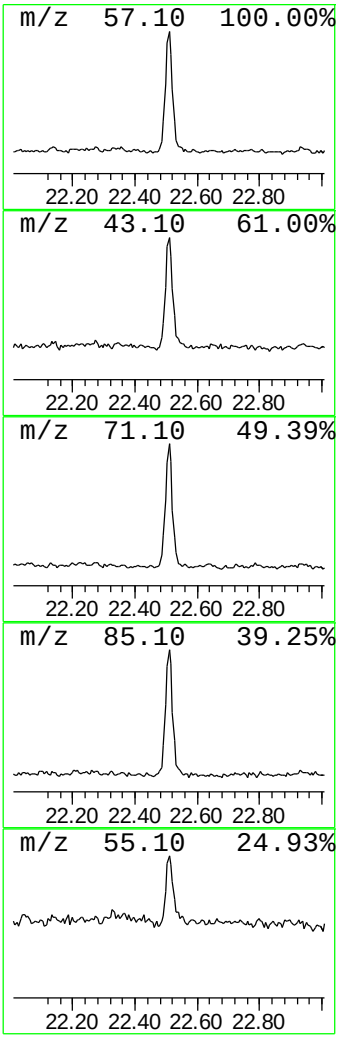
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	4.93 ng/ul	288923	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
2	Hexatriacontane	507	C36H74	000630-06-8	87
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	87
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	83
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

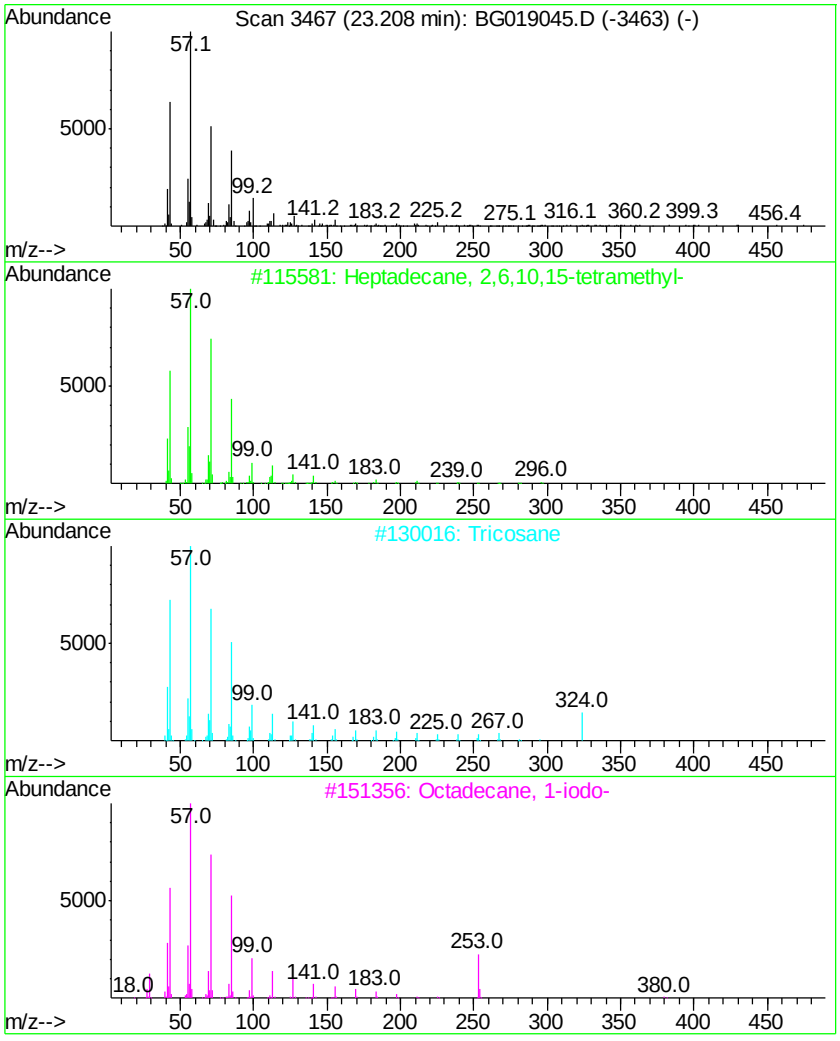
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

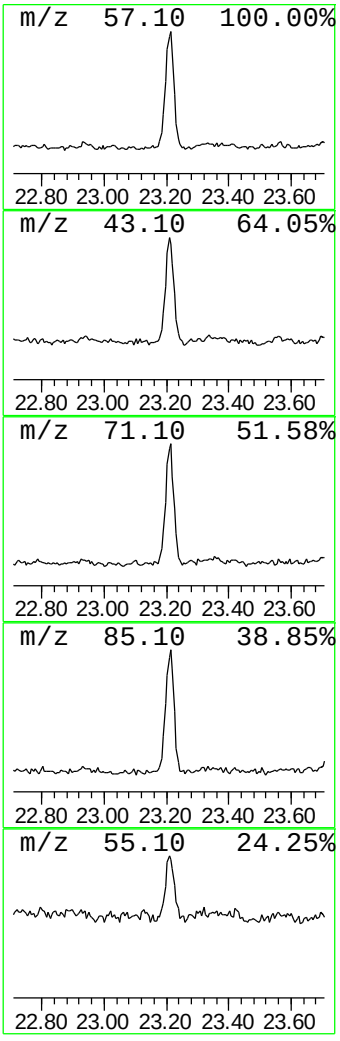
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.21	5.29 ng/ul	310103	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2	Tricosane	324	C23H48	000638-67-5	93
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5	Heneicosane	296	C21H44	000629-94-7	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

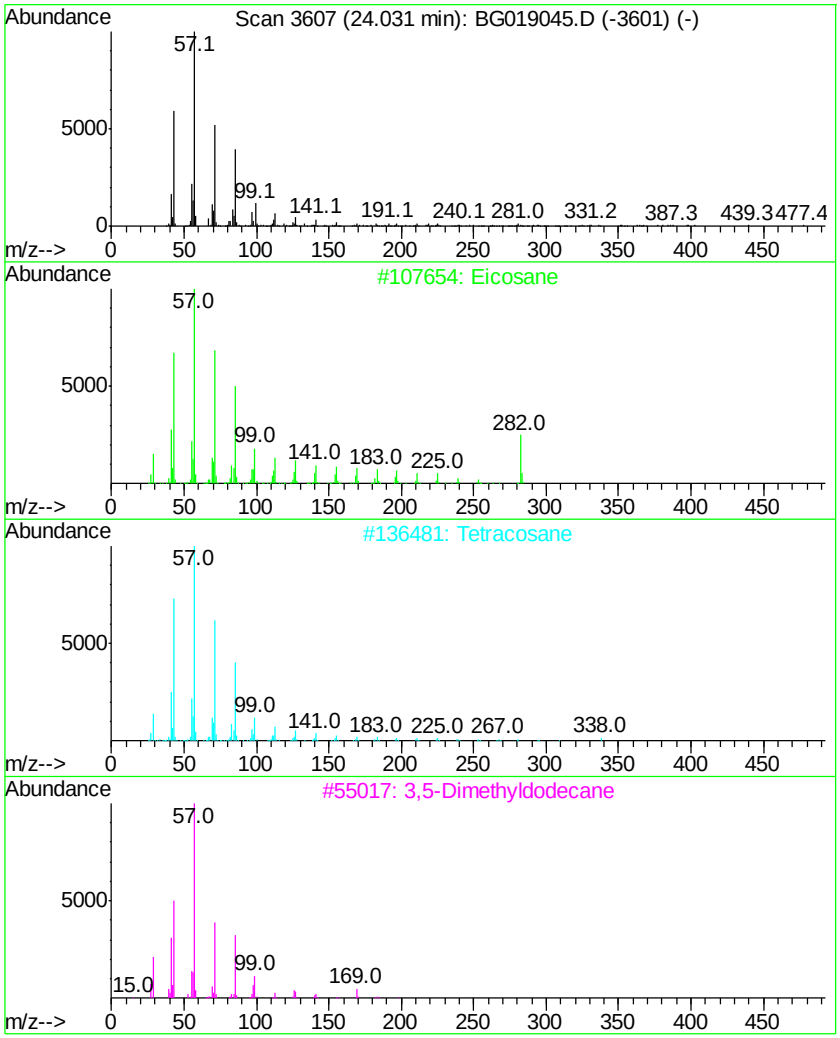
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

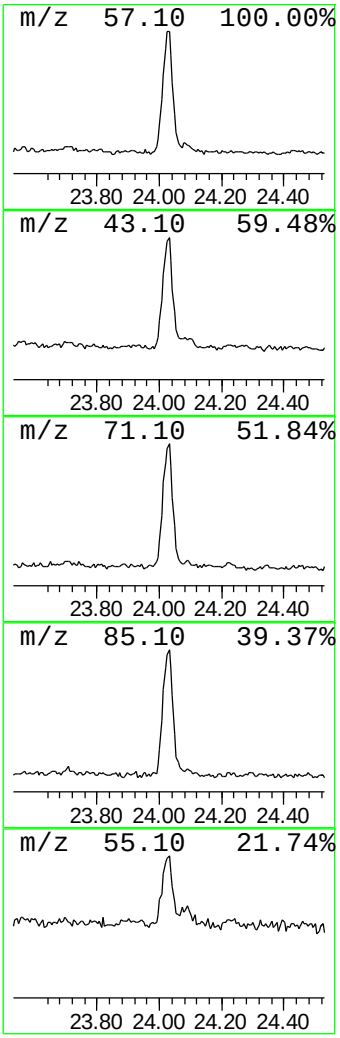
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.03	8.85 ng/ul	352362	Perylene-d12	24.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	87
2	Tetracosane	338	C24H50	000646-31-1	87
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	83
4	Pentadecane, 3-methyl-	226	C16H34	002882-96-4	83
5	Octacosane	394	C28H58	000630-02-4	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100515\
Data File : BG019045.D
Acq On : 6 Oct 2015 2:32
Operator : UM/NP
Sample : G3865-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5MZ1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.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
(DEL) Alkane: Cyc...	2.88	284.5	ng/ul	5766180	1	8.06	405357	20.0
Butane, 2-methoxy...	3.24	9.0	ng/ul	182889	1	8.06	405357	20.0
Cyclohexene, 1-me...	8.28	3.3	ng/ul	66804	1	8.06	405357	20.0
1,1'-Biphenyl, 2,...	17.30	4.2	ng/ul	200318	4	17.42	957765	20.0
1,1'-Biphenyl, 2'...	17.59	2.8	ng/ul	132219	4	17.42	957765	20.0
1,1'-Biphenyl, 2,...	18.02	7.3	ng/ul	351768	4	17.42	957765	20.0
1,1'-Biphenyl, 2,...	18.27	2.4	ng/ul	112663	4	17.42	957765	20.0
n-Hexadecanoic acid	18.31	9.8	ng/ul	468827	4	17.42	957765	20.0
1,1'-Biphenyl, 2,...	18.48	2.5	ng/ul	119862	4	17.42	957765	20.0
1,1'-Biphenyl, 2,...	18.59	2.4	ng/ul	116182	4	17.42	957765	20.0
1,1'-Biphenyl, 3,...	18.77	4.1	ng/ul	197170	4	17.42	957765	20.0
(DEL) Alkane: Str...	19.23	2.0	ng/ul	97333	4	17.42	957765	20.0
1,1'-Biphenyl, 3,...	19.30	2.4	ng/ul	117007	4	17.42	957765	20.0
Hexadecanoic acid...	19.72	7.3	ng/ul	428398	5	21.69	1172190	20.0
Phenanthrene, 1-m...	20.24	6.0	ng/ul	353419	5	21.69	1172190	20.0
unknown-01	20.76	7.1	ng/ul	417839	5	21.69	1172190	20.0
(DEL) Alkane: Str...	20.83	2.6	ng/ul	151519	5	21.69	1172190	20.0
Octicizer	21.07	5.3	ng/ul	309603	5	21.69	1172190	20.0
unknown-02	21.33	10.2	ng/ul	599623	5	21.69	1172190	20.0
(DEL) Alkane: Str...	21.89	5.1	ng/ul	297363	5	21.69	1172190	20.0
(DEL) Alkane: Str...	22.51	4.9	ng/ul	288923	5	21.69	1172190	20.0
(DEL) Alkane: Str...	23.21	5.3	ng/ul	310103	5	21.69	1172190	20.0
(DEL) Alkane: Str...	24.03	8.8	ng/ul	352362	6	24.94	795986	20.0