LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

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-BG080915.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.990	190	196	201	rBV	22651	38371	0.97%	0.054%
2	7.192	735	741	750	rVV	226325	416352	10.53%	0.583%
3	7.362	763	770	776	rBV	182198	306275	7.75%	0.429%
4	7.568	799	805	812	rVB	209469	364270	9.22%	0.510%
5	8.038	876	885	892	rVB	609284	1055658	26.71%	1.479%
6	8.232	913	918	922	rVV7	19855	36646	0.93%	0.051%
7	8.326	931	934	939	rVV5	19823	35576	0.90%	0.050%
8	8.485	955	961	968	rVB5	12503	27350	0.69%	0.038%
9	8.608	977	982	985	rVB5	23583	35755	0.90%	0.050%
10	8.737	998	1004	1010	rBV	188537	323212	8.18%	0.453%
11	8.878	1025	1028	1033	rBV6	20797	33599	0.85%	0.047%
12	9.154	1064	1075	1077	rBV4	59255	151135	3.82%	0.212%
13	9.195	1077	1082	1088	rVV2	217479	395895	10.02%	0.555%
14	9.248	1088	1091	1095	rVV5	29656	55085	1.39%	0.077%
15	9.313	1099	1102	1106	rVB6	22248	31981	0.81%	0.045%
16	9.366	1106	1111	1112	rBV3	34505	50054	1.27%	0.070%
17	9.401	1114	1117	1123	rVB6	44028	72157	1.83%	0.101%
18	9.477	1125	1130	1133	rBV7	18665	31118	0.79%	0.044%
19	9.513	1133	1136	1144	rVB9	24732	44853	1.13%	0.063%
20	9.689	1160	1166	1169	rBV4	33172	59217	1.50%	0.083%
21	9.771	1176	1180	1184	rVB2	56960	83286	2.11%	0.117%
22	9.924	1197	1206	1211	rBV3	198739	418527	10.59%	0.587%
23	9.971	1211	1214	1218	rVV3	50501	75188	1.90%	0.105%
24	10.030	1218	1224	1230	rVV5	105985	185493	4.69%	0.260%
25	10.177	1244	1249	1250	rBV3	21594	32111	0.81%	0.045%
26	10.265	1257	1264	1265	rBV7	24287	42622	1.08%	0.060%
27	10.294	1266	1269	1275	rVV6	36863	73595	1.86%	0.103%
28	10.465	1288	1298	1305	rBV	296017	596780	15.10%	0.836%
29	10.582	1309	1318	1322	rBV6	64614	159837	4.04%	0.224%
30	10.635	1322	1327	1333	rBV7	36625	73163	1.85%	0.103%
31	10.711	1336	1340	1343	rVV5	40690	62725	1.59%	0.088%
32	10.741	1343	1345	1350	rVV4	39799	62972	1.59%	0.088%
33	10.846	1353	1363	1373	rVV	951472	1883781	47.66%	2.640%
34	10.970	1379	1384	1389	rBV	155813	292406	7.40%	0.410%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

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-BG080915.M
Title : SVOA CALIBRATION

35	11.011	1389	1391	1396	rVB	110427	132577	3.35%	0.186%
36	11.070	1396	1401	1406	rBV5	63943	129468	3.28%	0.181%
37	11.346	1443	1448	1453	rVB5	167591	271036	6.86%	0.380%
38	11.405	1455	1458	1465	rVB7	55585	109938	2.78%	0.154%
39	11.469	1466	1469	1472	rBV5	33474	50517	1.28%	0.071%
40	11.522	1473	1478	1479	rBV3	91208	140609	3.56%	0.197%
41	11.610	1491	1493	1499	rBV7	35066	70760	1.79%	0.099%
42	11.687	1502	1506	1511	rVV6	56566	100446	2.54%	0.141%
43	11.834	1528	1531	1532	rBV3	41931	43705	1.11%	0.061%
44	11.875	1533	1538	1542	rBV	556891	872943	22.09%	1.223%
45	12.033	1561	1565	1573	rBV7	73153	156475	3.96%	0.219%
46	12.133	1577	1582	1586	rBV4	162032	261454	6.62%	0.366%
47	12.251	1599	1602	1605	rBV3	46179	73407	1.86%	0.103%
48	12.403	1625	1628	1634	rBV4	60351	101349	2.56%	0.142%
49	12.462	1634	1638	1639	rBV4	90968	110339	2.79%	0.155%
50	12.580	1654	1658	1663	rBV7	81692	153808	3.89%	0.216%
51	12.891	1707	1711	1716	rVB6	101206	155424	3.93%	0.218%
52	12.956	1718	1722	1731	rVB3	220396	400432	10.13%	0.561%
53	13.032	1731	1735	1740	rBV7	73673	161873	4.10%	0.227%
54	13.120	1747	1750	1754	rVB6	92373	123349	3.12%	0.173%
55	13.214	1761	1766	1771	rVB	1070661	1491230	37.73%	2.090%
56	13.485	1806	1812	1815	rBV5	205603	420303	10.63%	0.589%
57	13.520	1815	1818	1822	rVB2	201505	275967	6.98%	0.387%
58	13.890	1877	1881	1885	rBV4	113879	184742	4.67%	0.259%
59	13.937	1885	1889	1896	rBV8	112756	292293	7.40%	0.410%
60	14.066	1907	1911	1914	rBV	523245	777843	19.68%	1.090%
61	14.101	1914	1917	1922	rVV2	409780	808822	20.46%	1.133%
62	14.154	1922	1926	1930	rVB	1423482	1826596	46.22%	2.560%
63	14.325	1952	1955	1957	rBV3	98458	120719	3.05%	0.169%
64	14.360	1957	1961	1966	rVB	632794	913624	23.12%	1.280%
65	14.413	1967	1970	1972	rBV3	120538	164079	4.15%	0.230%
66	14.507	1982	1986	1991	rVB2	492163	746845	18.90%	1.047%
67	14.583	1992	1999	2004	rBV5	147779	432776	10.95%	0.606%
68	14.671	2005	2014	2021	rVB2	1580145	3138223	79.40%	4.398%
69	14.765	2027	2030	2034	rBV3	129051	176026	4.45%	0.247%
70	15.071	2078	2082	2087	rBV	295401	409134	10.35%	0.573%
71	15.188	2098	2102	2107	rVB2	496218	744509	18.84%	1.043%

LSC Area Percent Report

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Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

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-BG080915.M
Title : SVOA CALIBRATION

72	15.658	2178	2182	2186	rVB	619693	902992	22.85%	1.265%
73	15.923	2221	2227	2233	rVB2	1682702	2732701	69.14%	3.830%
74	16.134	2260	2263	2267	rVB2	191535	227996	5.77%	0.320%
75	16.405	2301	2309	2314	rBV	2472968	3854618	97.53%	5.402%
76	16.939	2397	2400	2405	rBV4	209012	330223	8.36%	0.463%
77	17.227	2444	2449	2455	rVB	1543529	2170502	54.92%	3.042%
78	17.321	2462	2465	2470	rVB3	346825	443935	11.23%	0.622%
79	17.409	2475	2480	2491	rBV2	1831866	3306787	83.67%	4.634%
80	17.509	2493	2497	2506	rVB	584180	962314	24.35%	1.349%
81	17.832	2548	2552	2556	rVB	400763	531689	13.45%	0.745%
82	18.120	2599	2601	2607	rVB4	215242	266196	6.74%	0.373%
83	18.479	2657	2662	2667	rBV	1366409	1826887	46.22%	2.560%
84	18.537	2668	2672	2676	rBV2	426762	583876	14.77%	0.818%
85	18.755	2706	2709	2715	rBV2	479538	710565	17.98%	0.996%
86	18.890	2729	2732	2737	rVB3	304155	419884	10.62%	0.588%
87	19.289	2796	2800	2802	rBV	897074	1254799	31.75%	1.758%
88	19.319	2802	2805	2814	rVB2	2025630	2897942	73.32%	4.061%
89	19.519	2836	2839	2844	rBV3	535354	687073	17.38%	0.963%
90	19.601	2848	2853	2859	rVB	2839672	3952246	100.00%	5.539%
91	19.660	2860	2863	2869	rBV	1006967	1316502	33.31%	1.845%
92	19.789	2882	2885	2889	rBV2	644353	935173	23.66%	1.311%
93	19.854	2894	2896	2901	rVB	781473	922840	23.35%	1.293%
94	19.936	2906	2910	2913	rVB	960091	1224127	30.97%	1.715%
95	20.042	2924	2928	2933	rVB	2613415	3367283	85.20%	4.719%
96	20.300	2969	2972	2977	rBV2	1287672	2229045	56.40%	3.124%
97	20.353	2978	2981	2986	rVB	2377660	3023706	76.51%	4.237%
98	20.576	3016	3019	3023	rVB	1389547	1680533	42.52%	2.355%
99	20.899	3071	3074	3082	rVB	1717245	2623801	66.39%	3.677%
100	21.675	3202	3206	3211	rVB	1232963	1821588	46.09%	2.553%

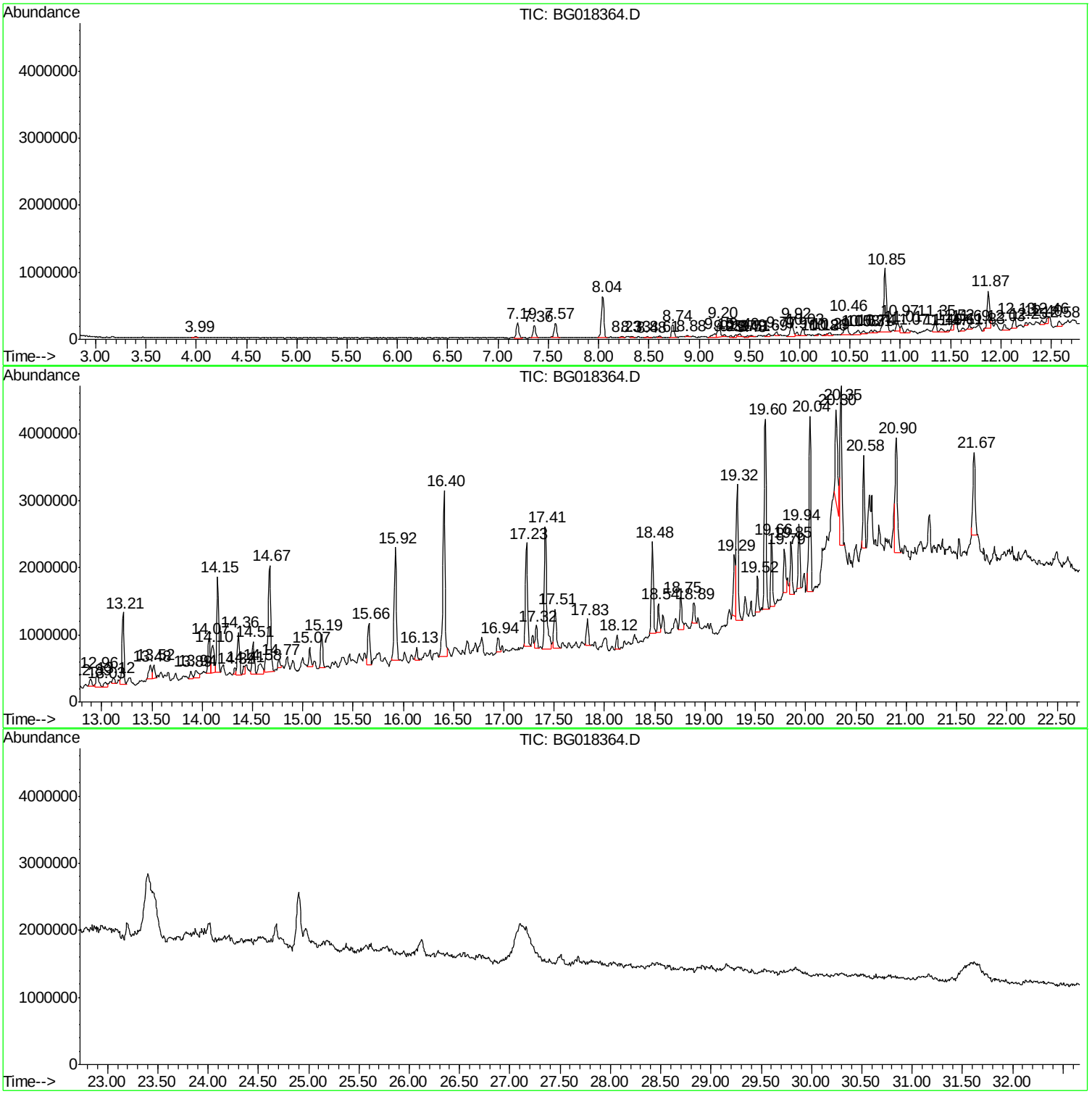
Sum of corrected areas: 71358508

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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



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Data File : BG018364.D
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Operator : UM/MA
Sample : G3136-13
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Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

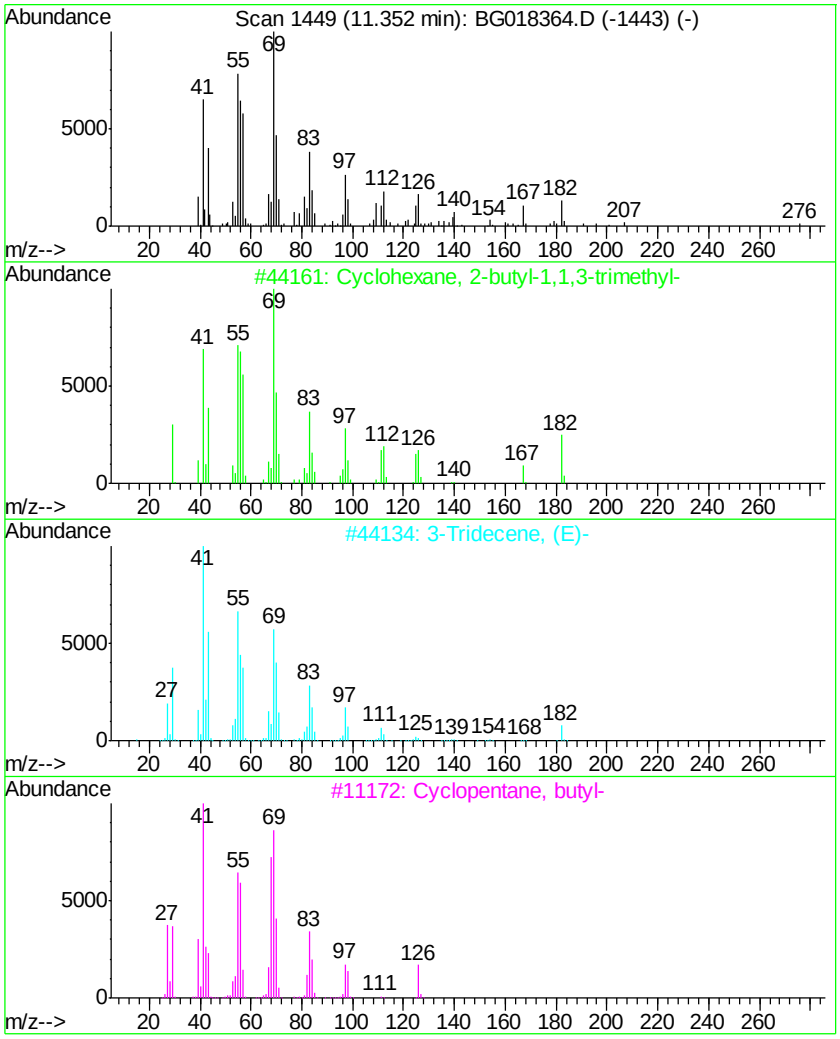
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

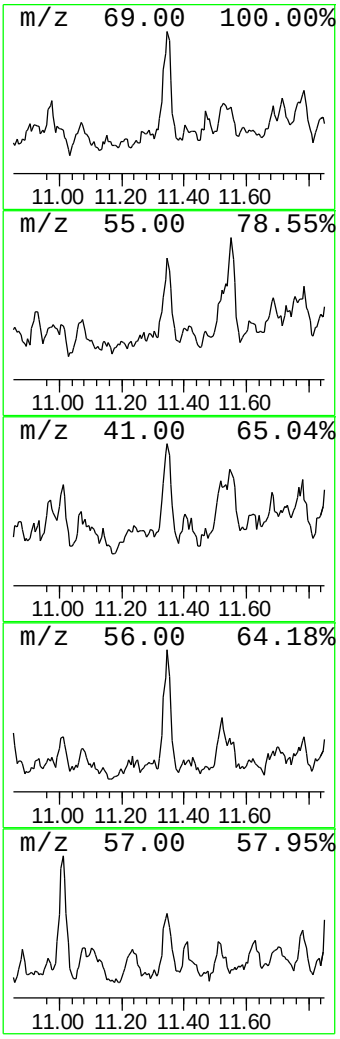
****

Peak Number 1 (DEL) Alkane: Cyclic11.35 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	2.88 ng/ul	271036	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
2	3-Tridecene, (E)-	182	C13H26	041446-57-5	87
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	87
4	Cyclopropane, 1-butyl-2-pentyl-,...	168	C12H24	074663-88-0	81
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

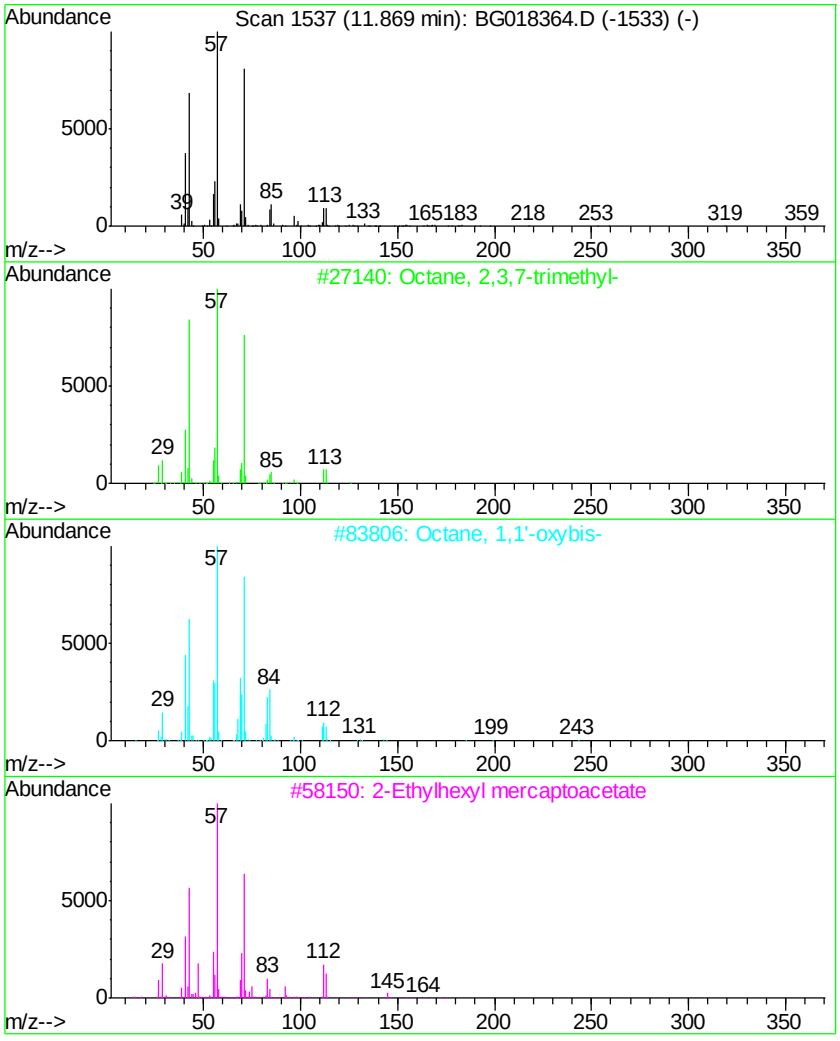
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

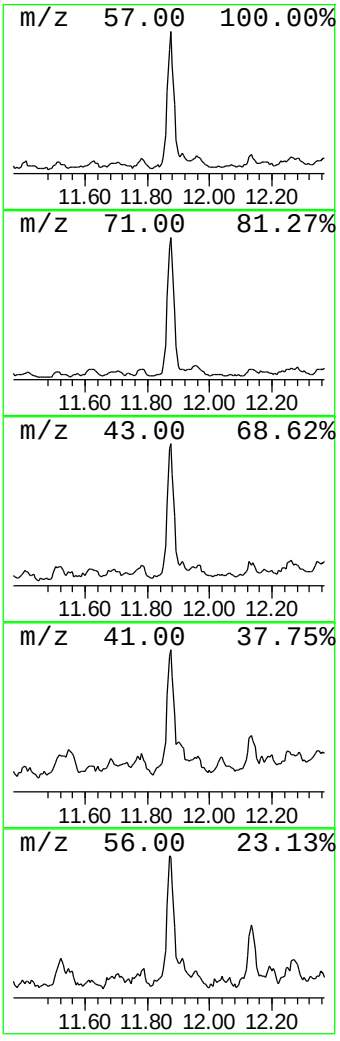
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	9.27 ng/ul	872943	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	78
2	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72
3	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	72
4	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	64
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

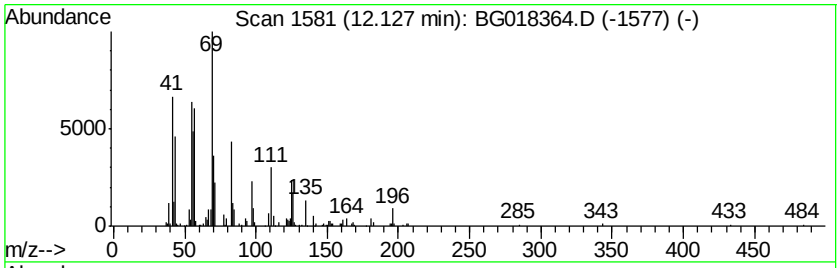
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

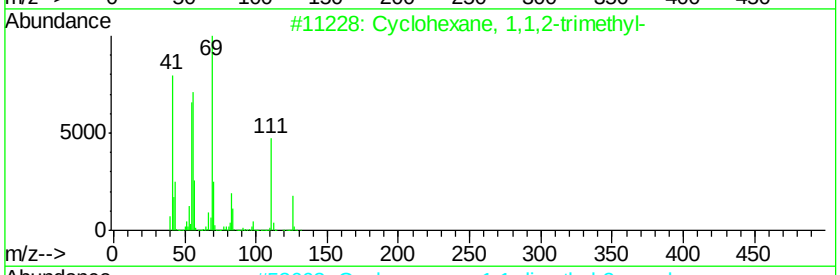
****

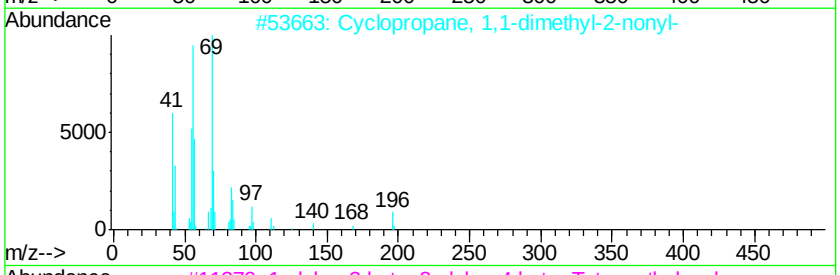
Peak Number 3 (DEL) Alkane: Cyclic12.13 Concentration Rank 24

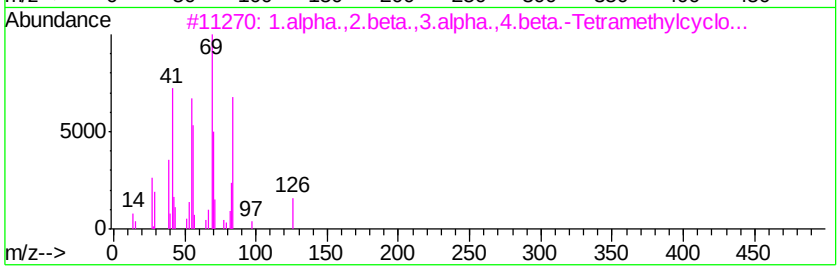
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.78 ng/ul	261454	Naphthalene-d8	10.85

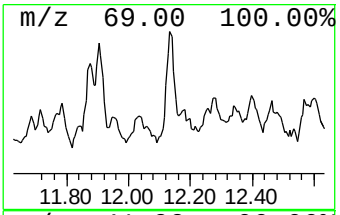
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	64
2	Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	60
3	1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	58
4	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	52
5	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49

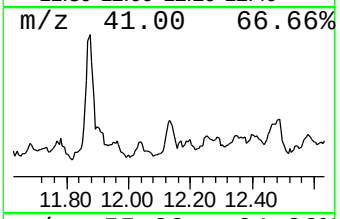


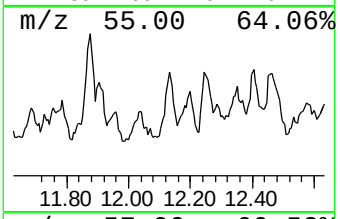


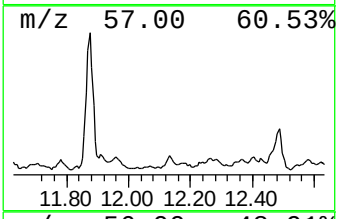


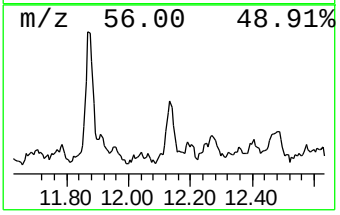












Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

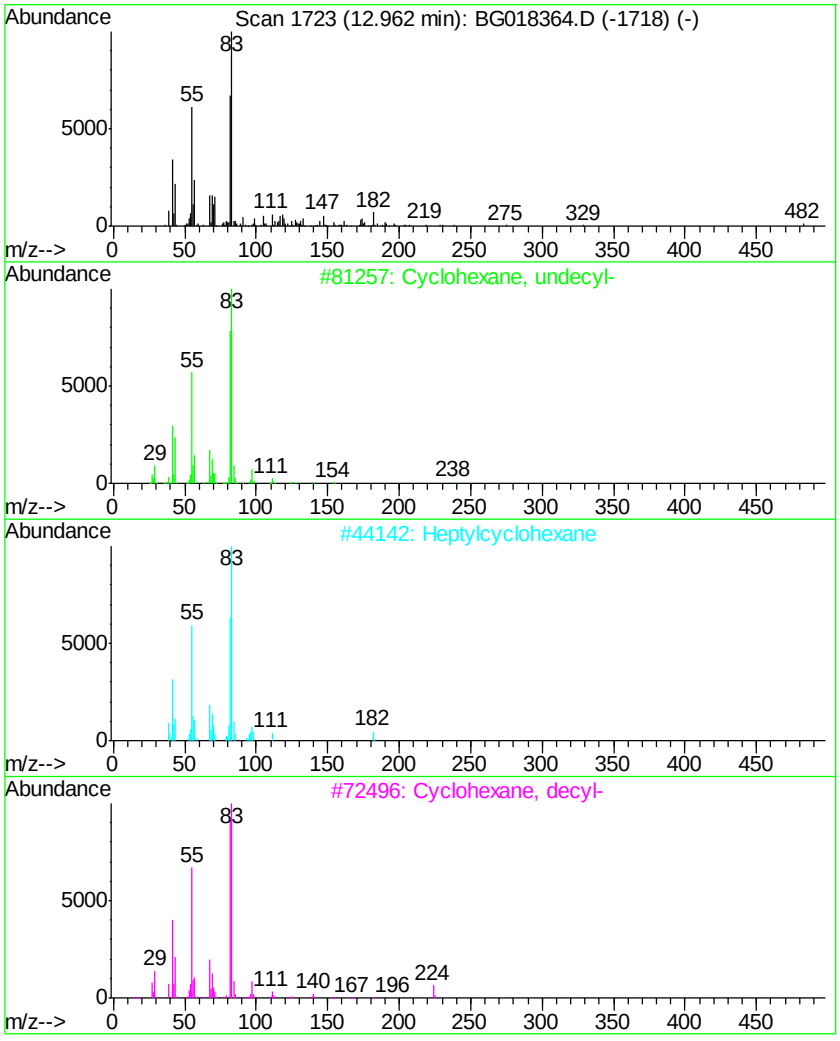
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

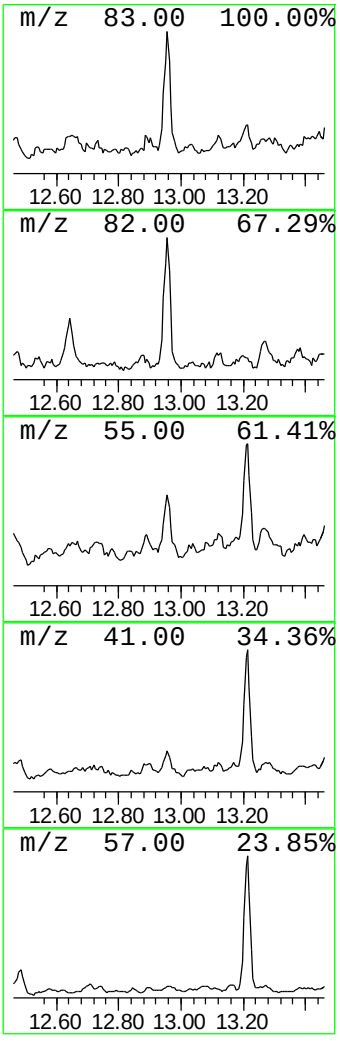
****

Peak Number 4 (DEL) Alkane: Cyclic12.96 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.55 ng/ul	400432	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, undecyl-	238	C17H34	054105-66-7	80
2	Heptylcyclohexane	182	C13H26	005617-41-4	74
3	Cyclohexane, decyl-	224	C16H32	001795-16-0	72
4	Dodecylcyclohexane	252	C18H36	001795-17-1	72
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72





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Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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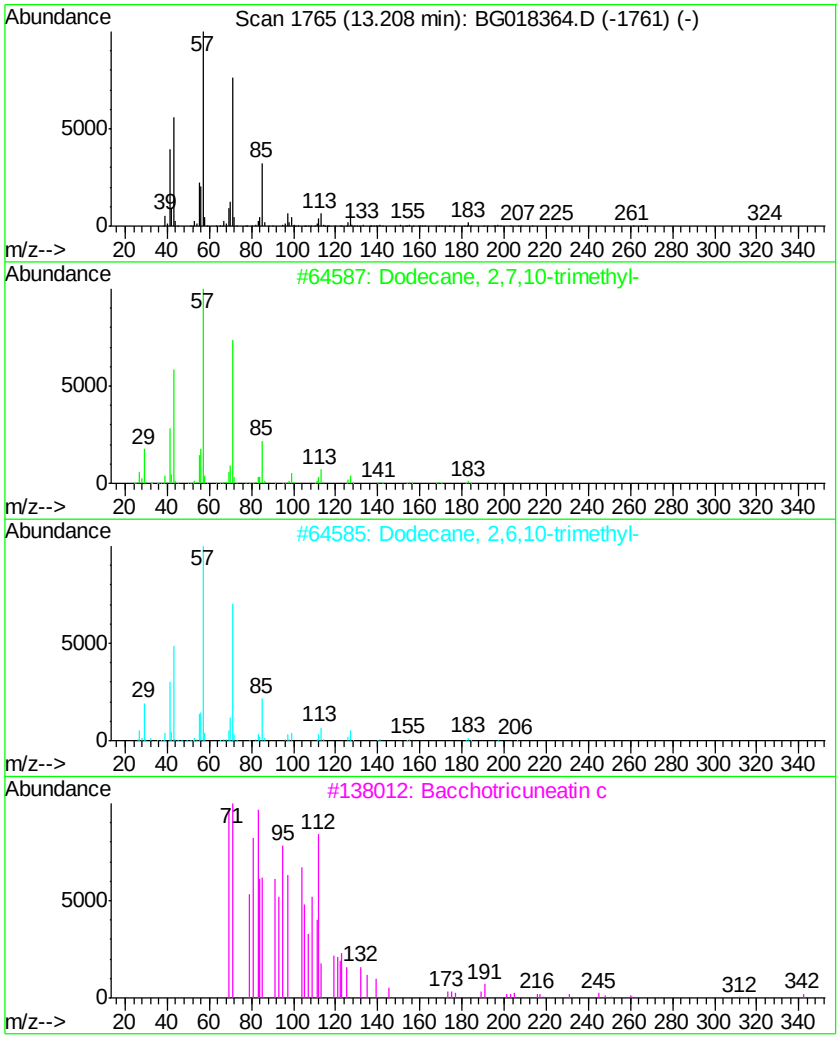
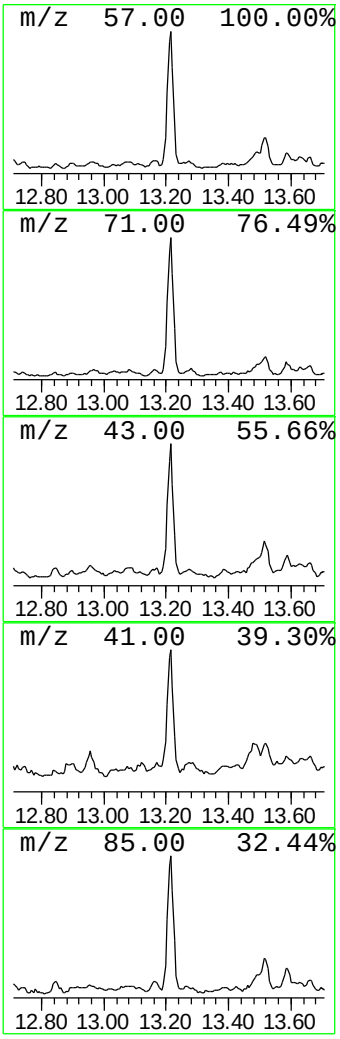
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	9.50 ng/ul	1491230	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
4	Heptacosane	380	C27H56	000593-49-7	64
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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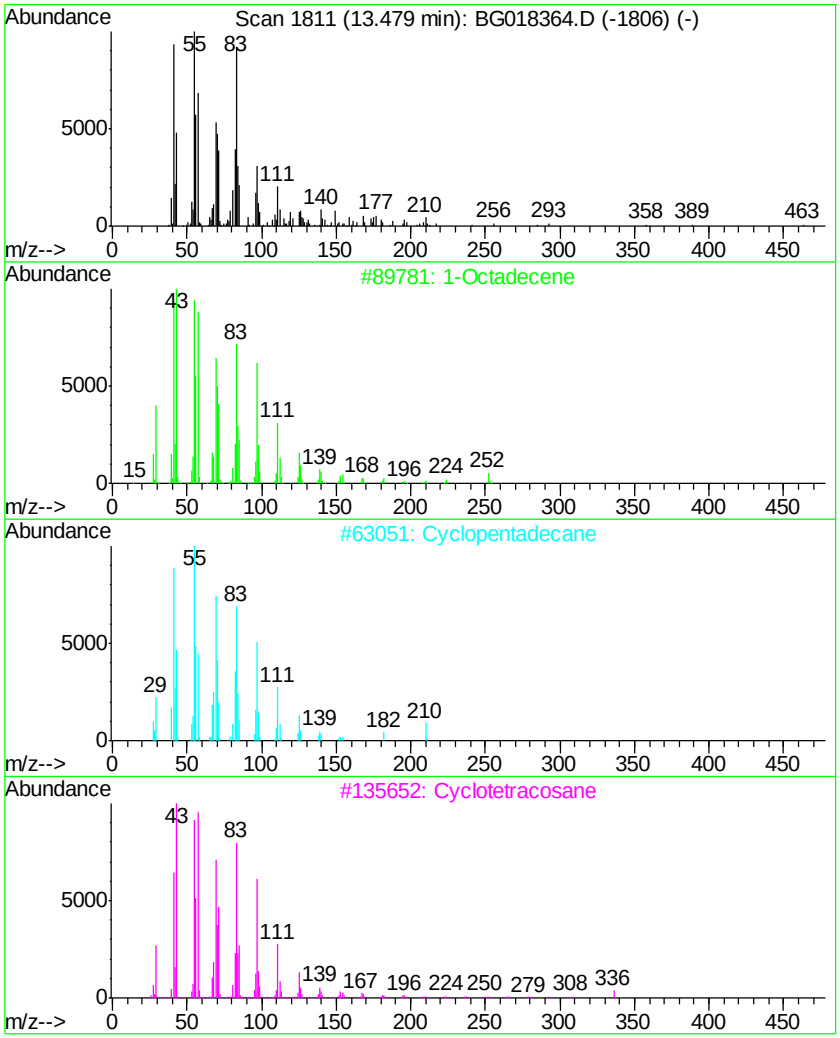
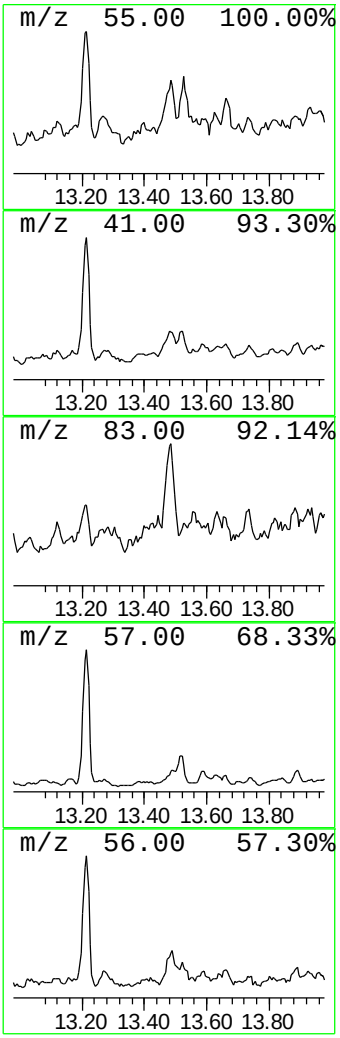
Peak Number 6 (DEL) Alkane: Cyclic13.48 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	2.68 ng/ul	420303	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	86
2	Cyclopentadecane	210	C15H30	000295-48-7	74
3	Cyclotetracosane	336	C24H48	000297-03-0	74
4	1-Decene, 2,4-dimethyl-	168	C12H24	055170-80-4	64
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	53





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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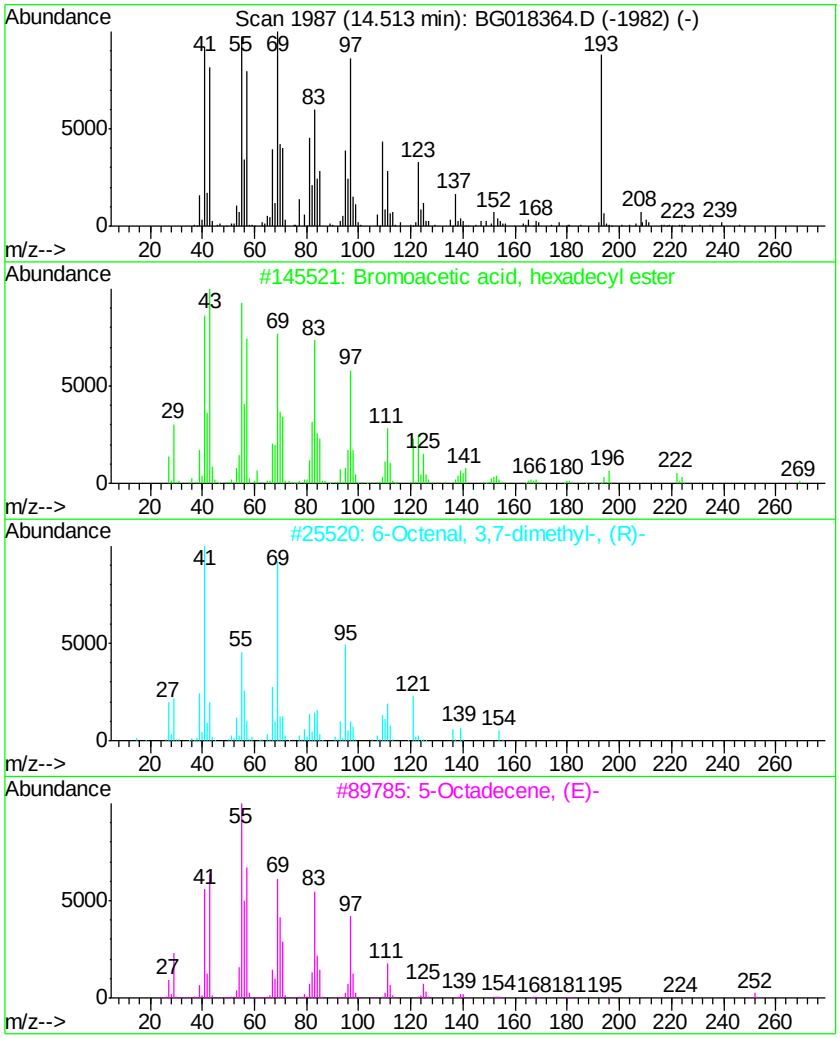
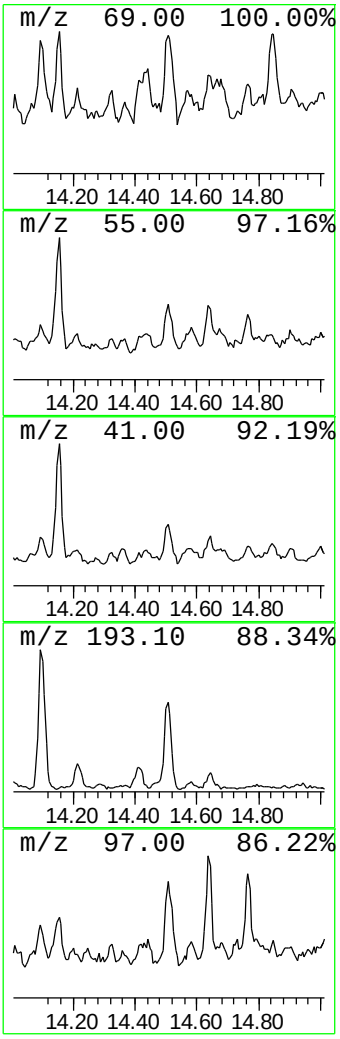
Peak Number 7 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	4.76 ng/ul	746845	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	38
2	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	38
3	5-Octadecene, (E)-	252	C18H36	007206-21-5	25
4	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	18
5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	14





Library Search Compound Report

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Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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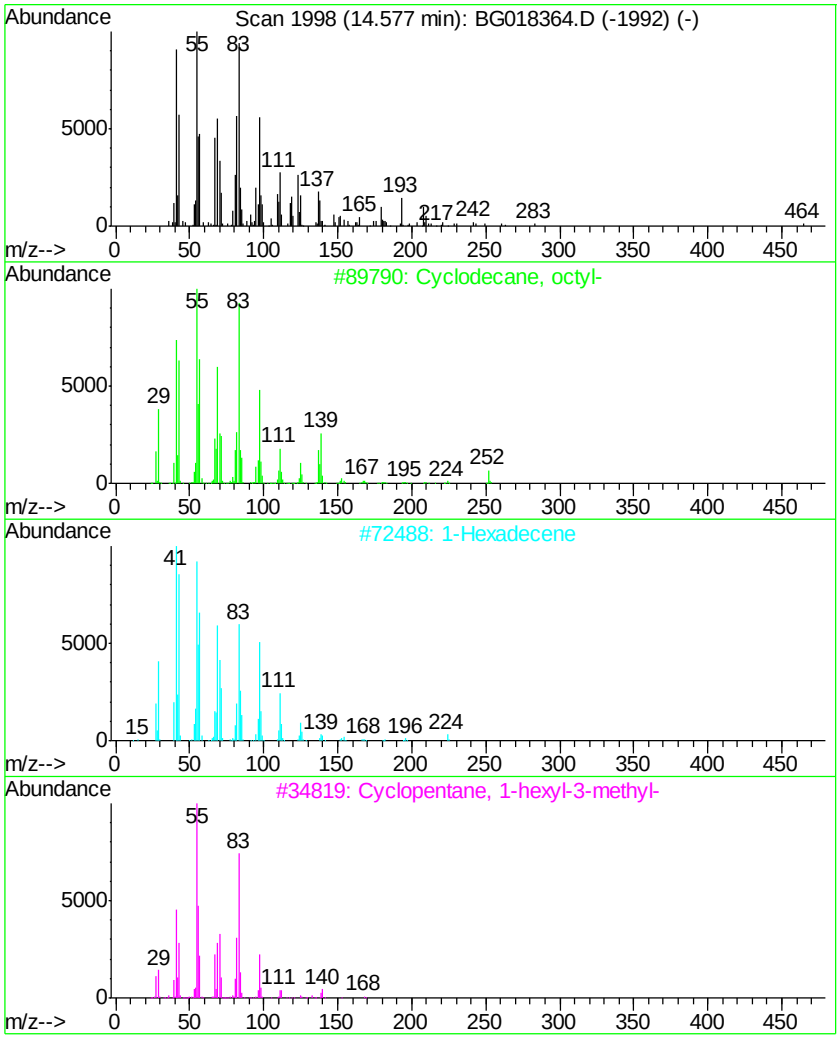
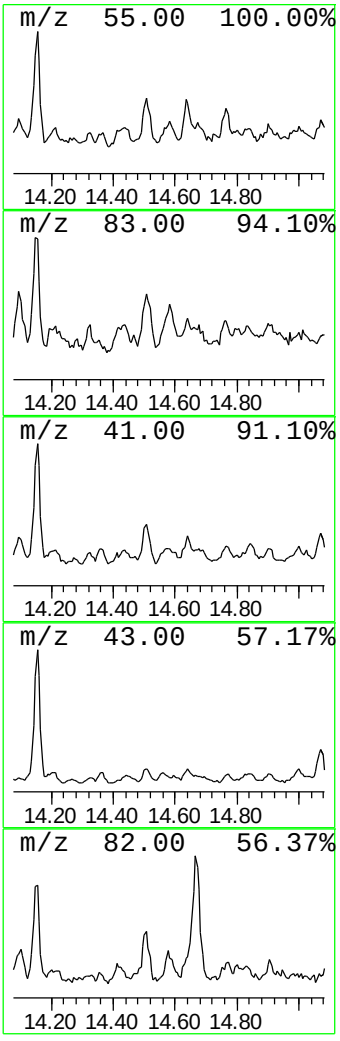
Peak Number 8 (DEL) Alkane: Cyclic14.58 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	2.76 ng/ul	432776	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecane, octyl-	252	C18H36	016539-09-6	53
2	1-Hexadecene	224	C16H32	000629-73-2	43
3	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	43
4	Cyclotetradecane	196	C14H28	000295-17-0	38
5	1,7-Octadiene, 2,3,3-trimethyl-	152	C11H20	1000150-47-7	38





Library Search Compound Report

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Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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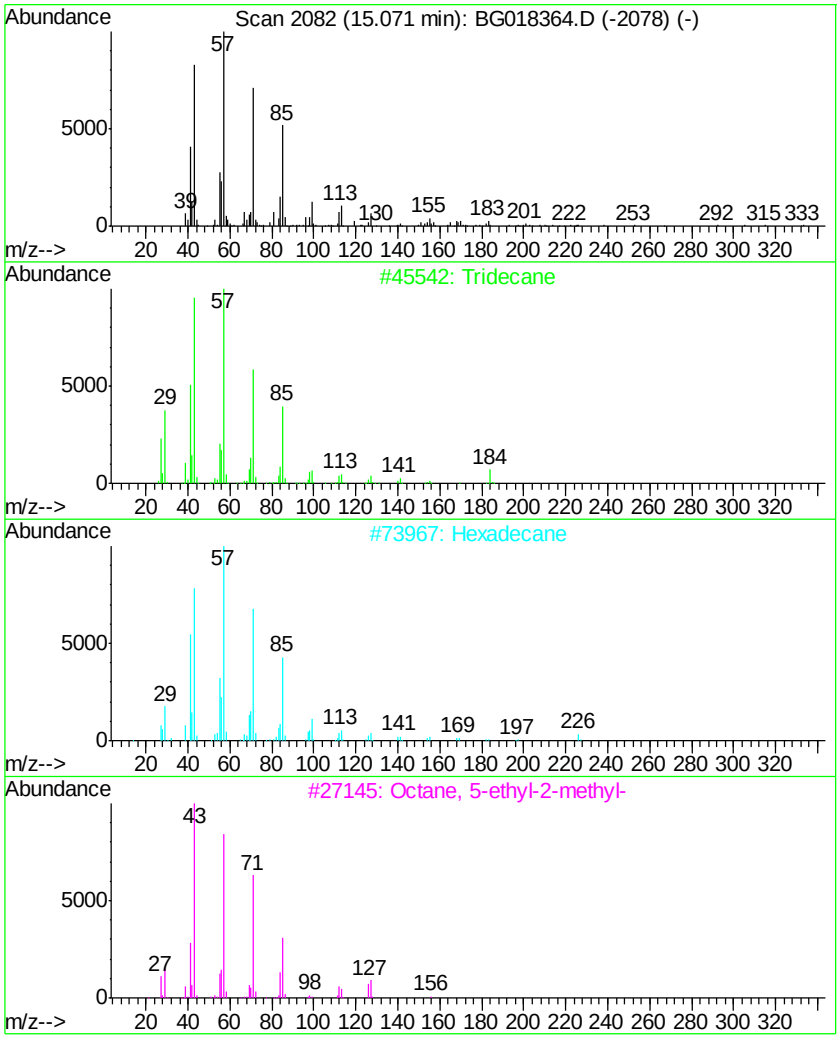
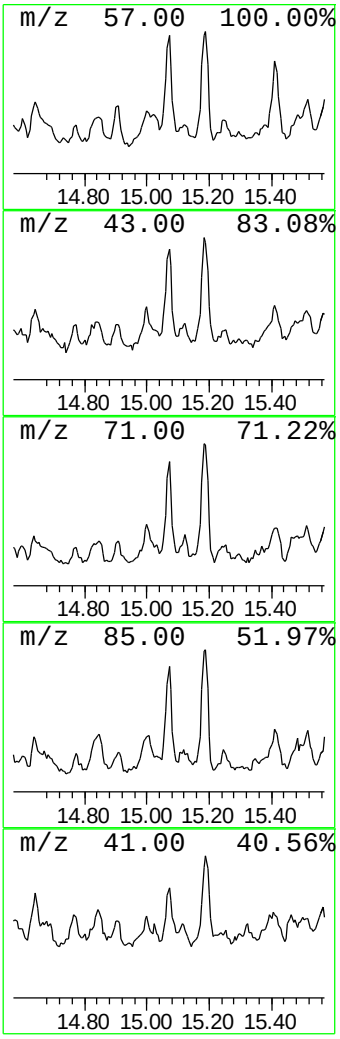
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.61 ng/ul	409134	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Hexadecane	226	C16H34	000544-76-3	86
3	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	86
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	83
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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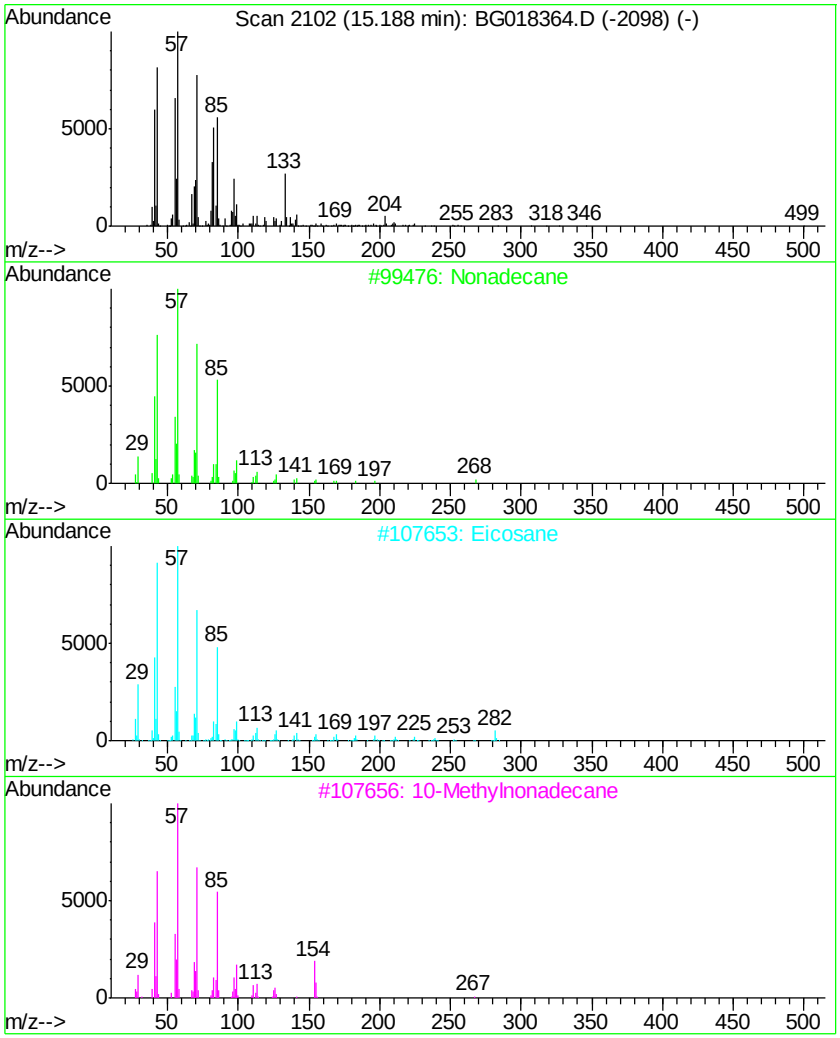
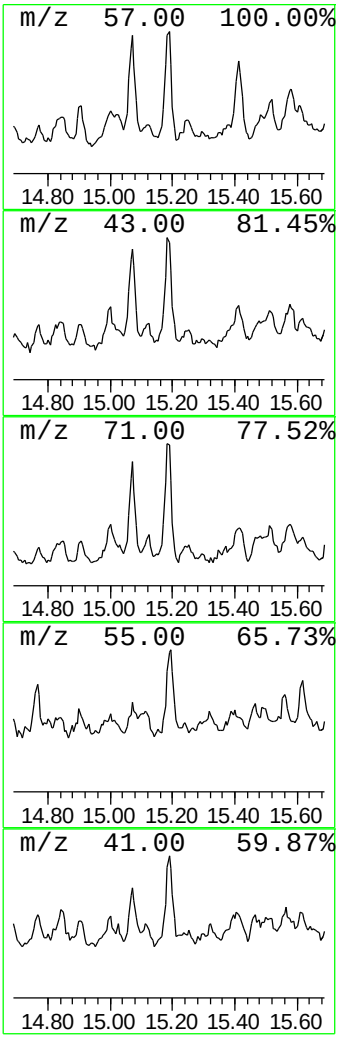
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.74 ng/ul	744509	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	52
2	Eicosane	282	C20H42	000112-95-8	52
3	10-Methylnonadecane	282	C20H42	056862-62-5	50
4	Hexadecane	226	C16H34	000544-76-3	49
5	Tetradecane	198	C14H30	000629-59-4	49





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

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Quant Title : SVOA CALIBRATION

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

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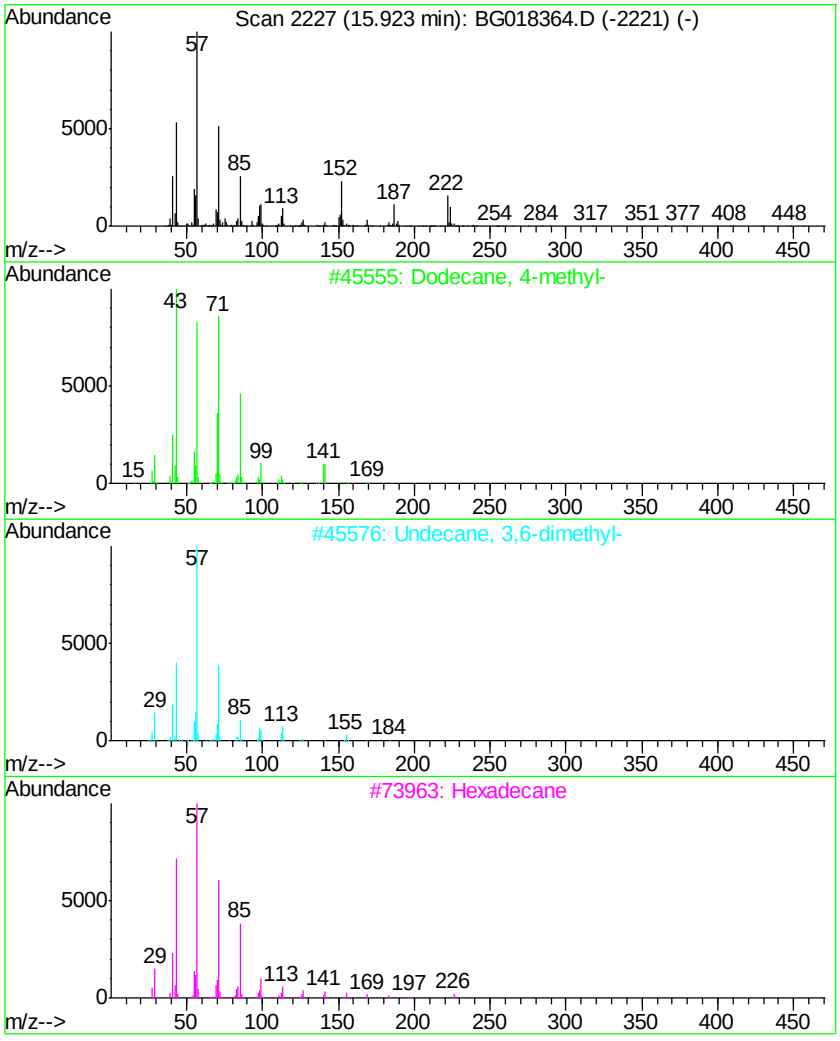
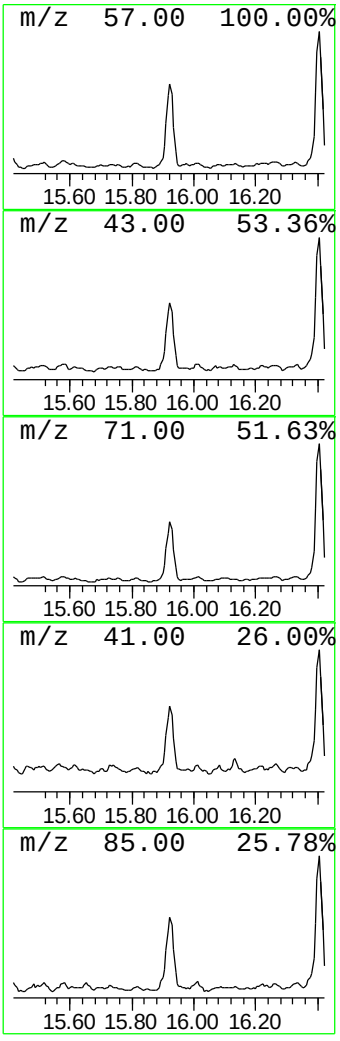
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	17.42 ng/ul	2732700	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	49
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	46
3	Hexadecane	226	C16H34	000544-76-3	46
4	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	46
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	46





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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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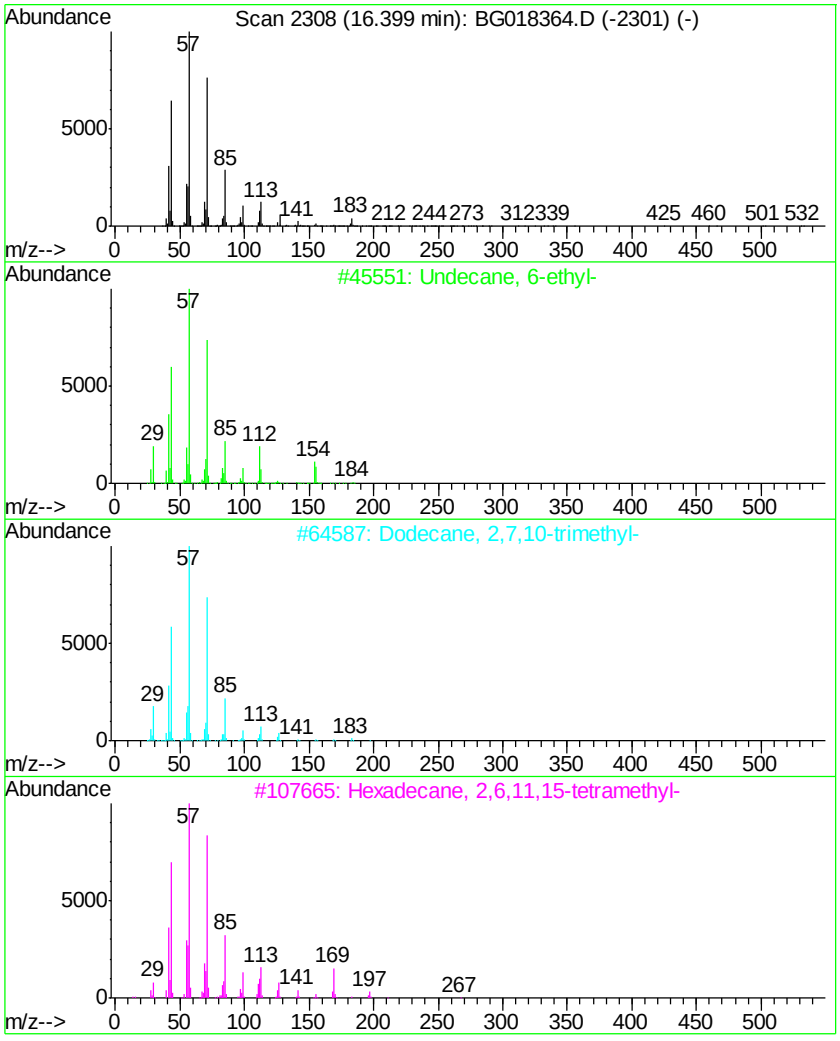
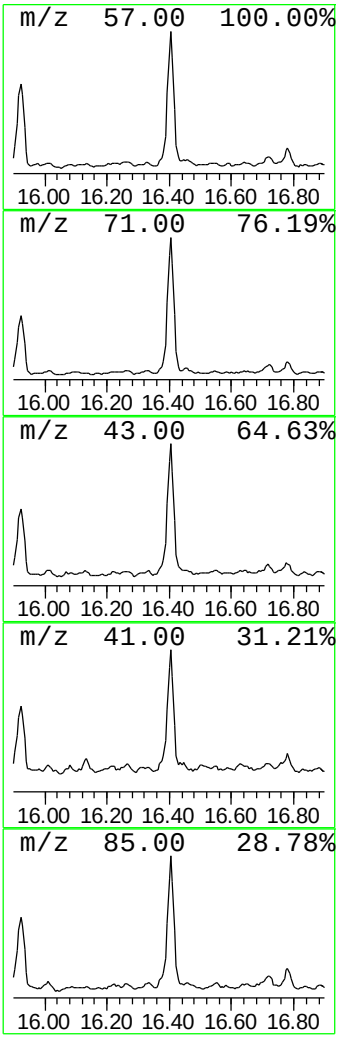
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	23.31 ng/ul	3854620	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	87
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
5	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	83





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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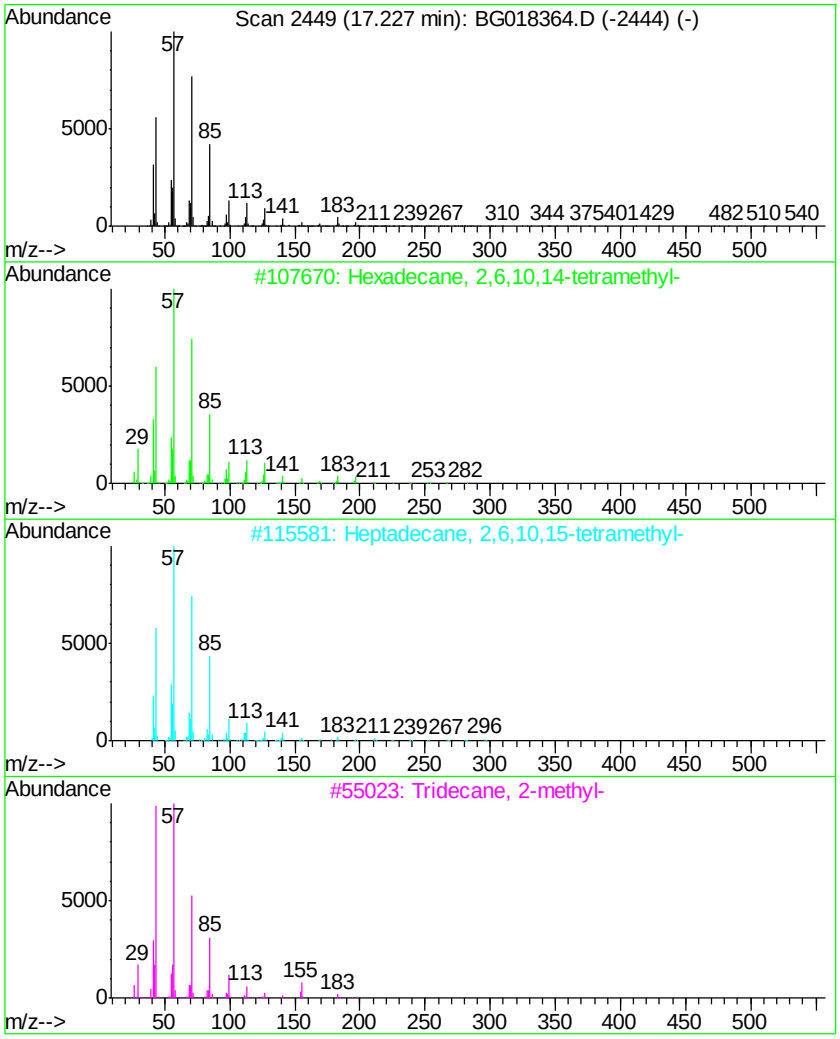
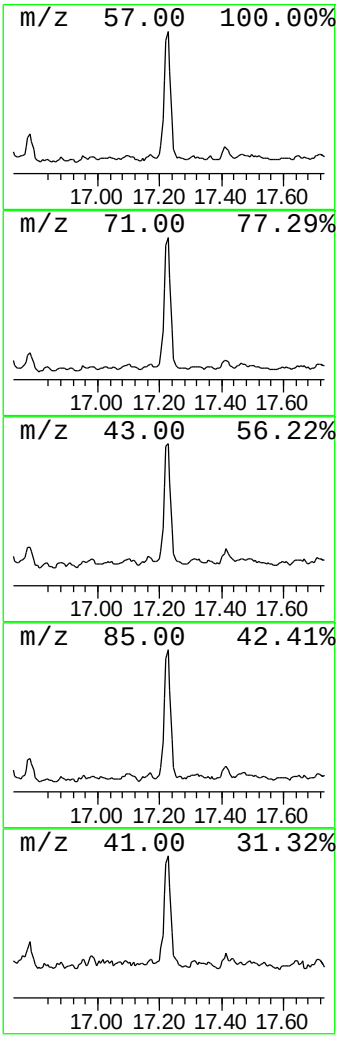
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	13.13 ng/ul	2170500	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	92
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
4	Docosane	310	C22H46	000629-97-0	78
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	76





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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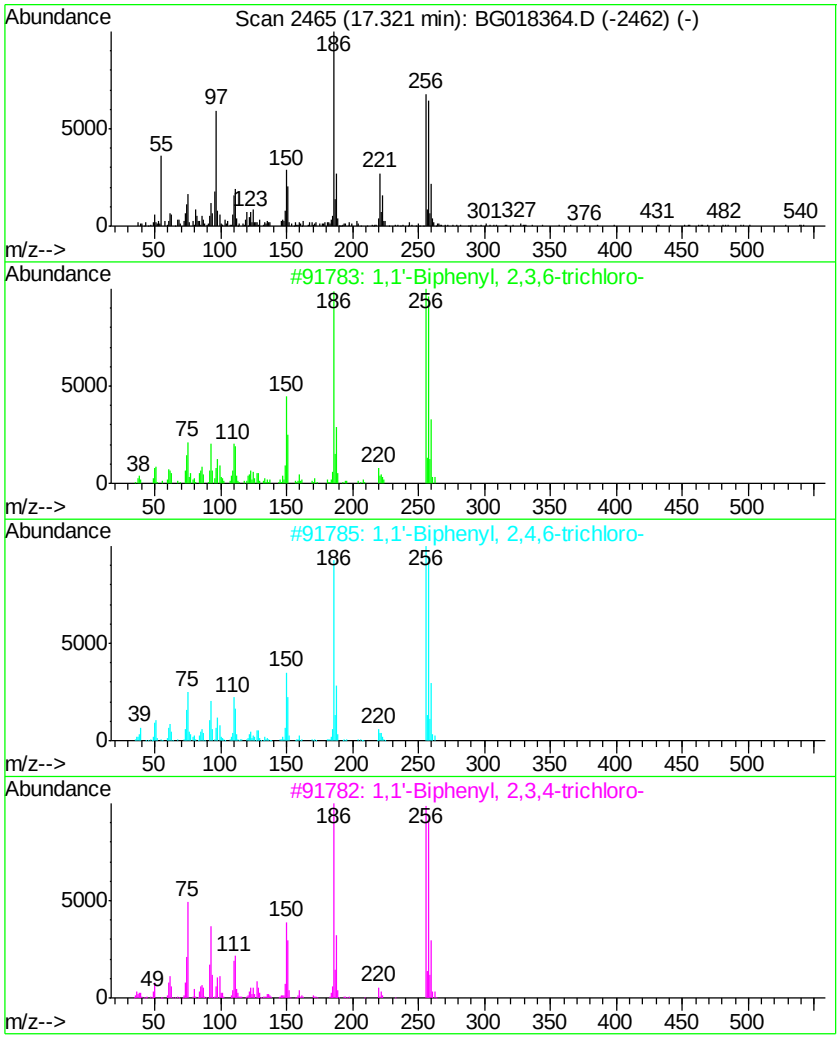
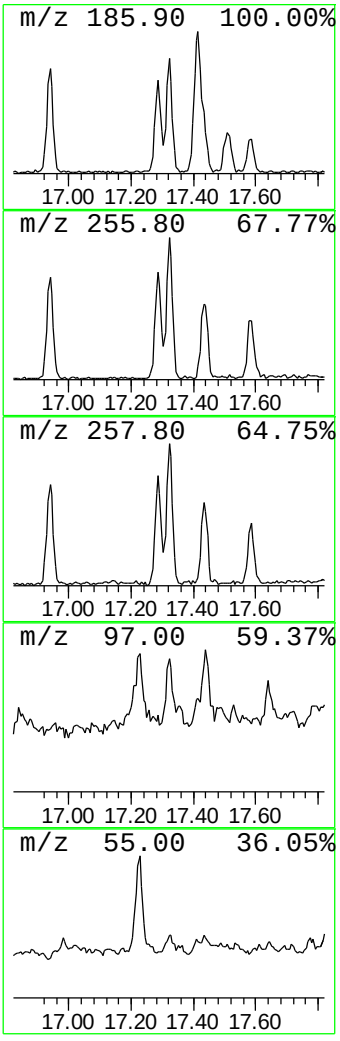
Peak Number 14 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	2.68 ng/ul	443935	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	96
2	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	96
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	96
4	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	96
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	95





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Sample : G3136-13
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Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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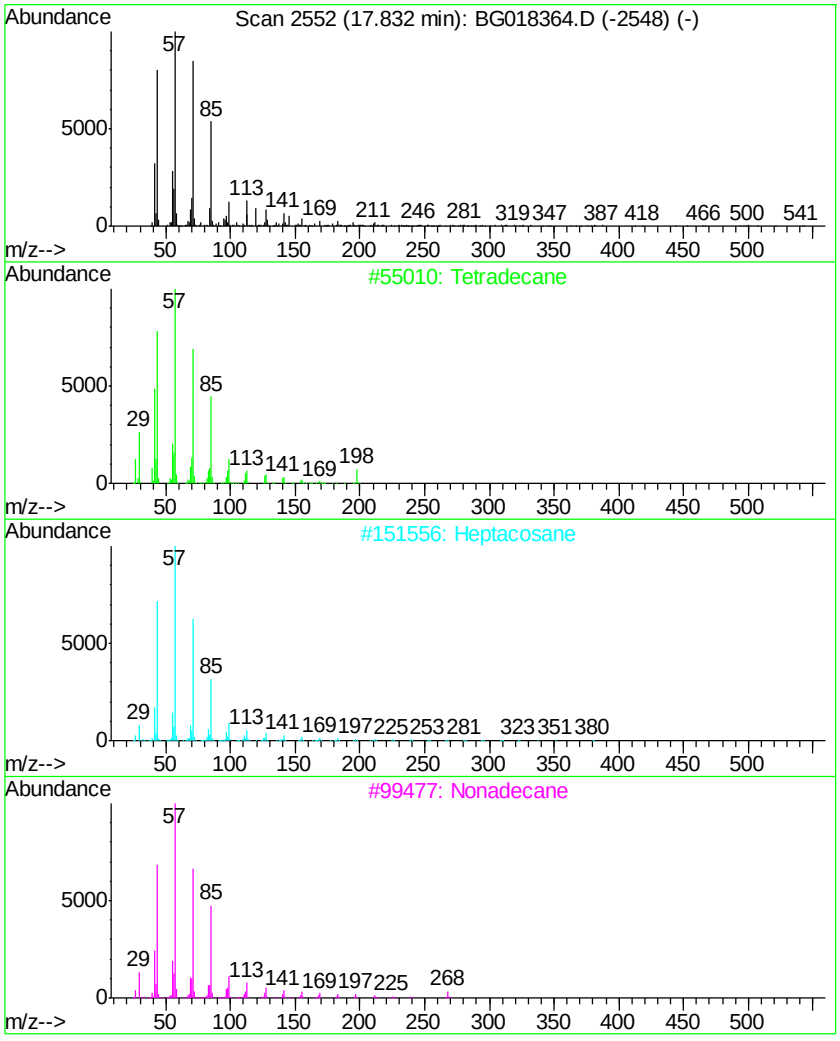
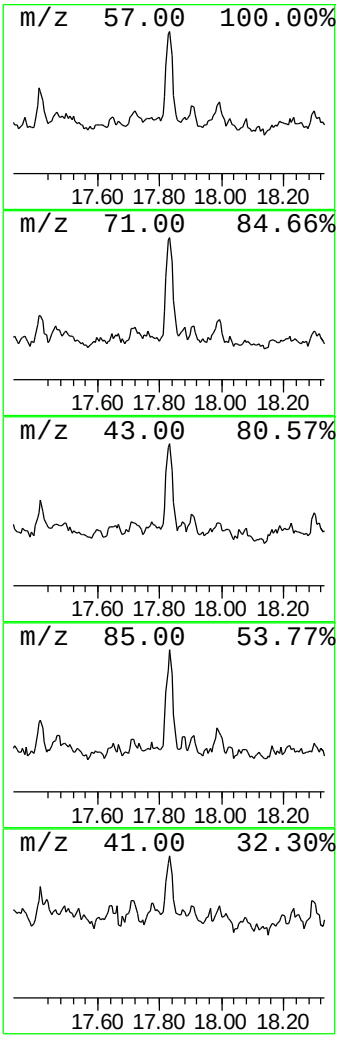
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	3.22 ng/ul	531689	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Heptacosane	380	C27H56	000593-49-7	90
3	Nonadecane	268	C19H40	000629-92-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heptadecane	240	C17H36	000629-78-7	90





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Acq On : 10 Aug 2015 21:34
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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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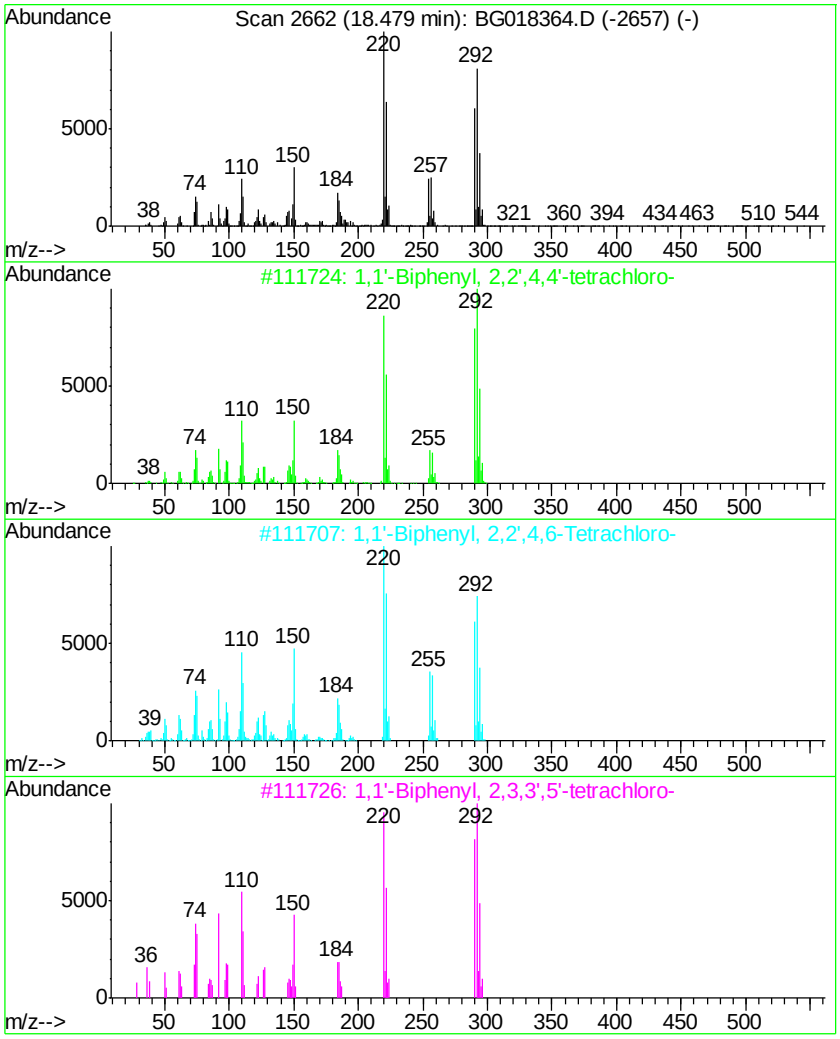
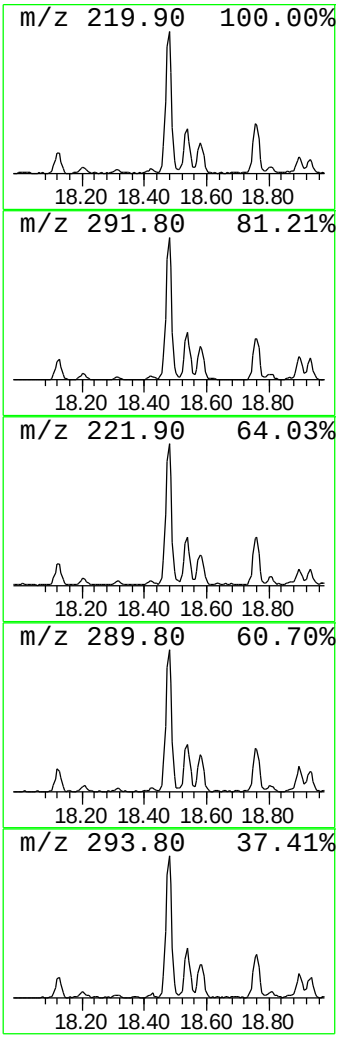
Peak Number 16 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	11.05 ng/ul	1826890	Phenanthrene-d10	17.41

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, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





Library Search Compound Report

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Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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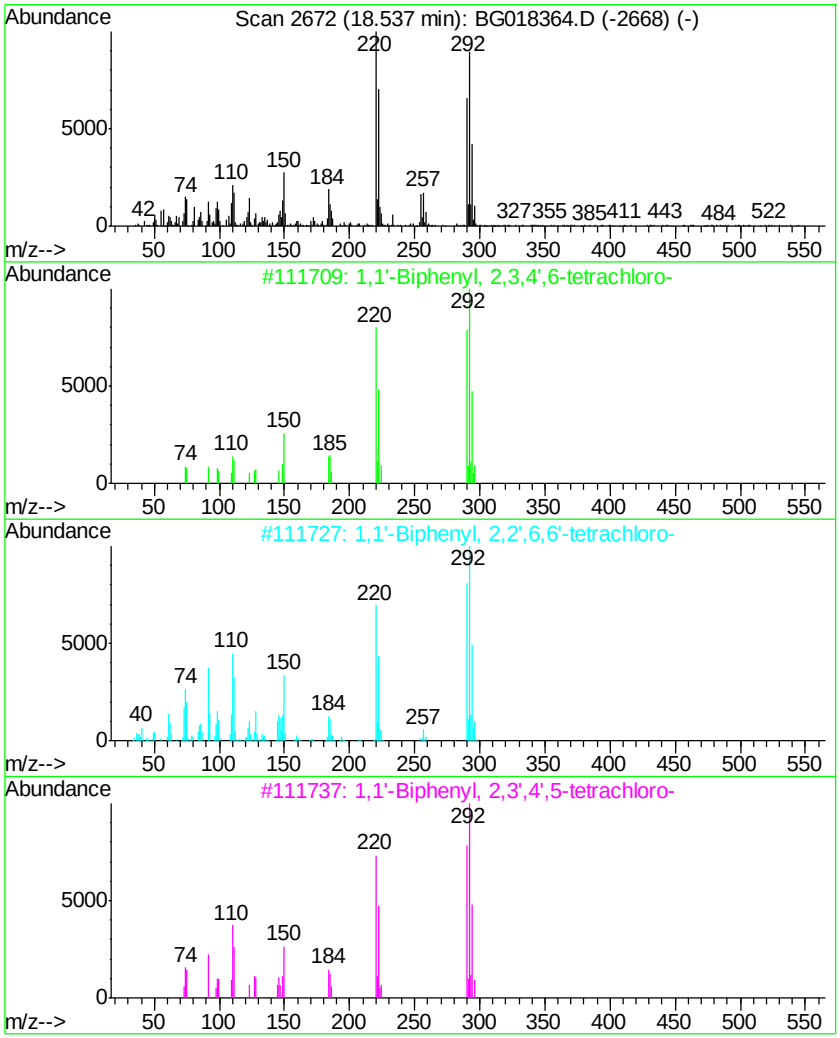
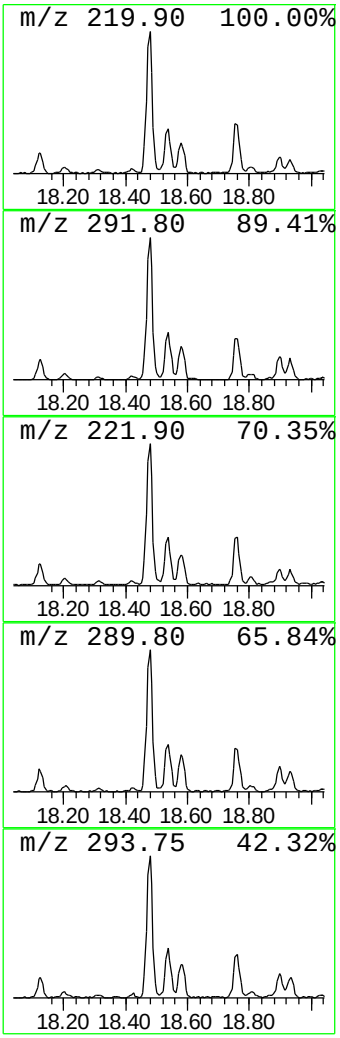
Peak Number 17 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.53 ng/ul	583876	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
3	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	96
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	95
5	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	95





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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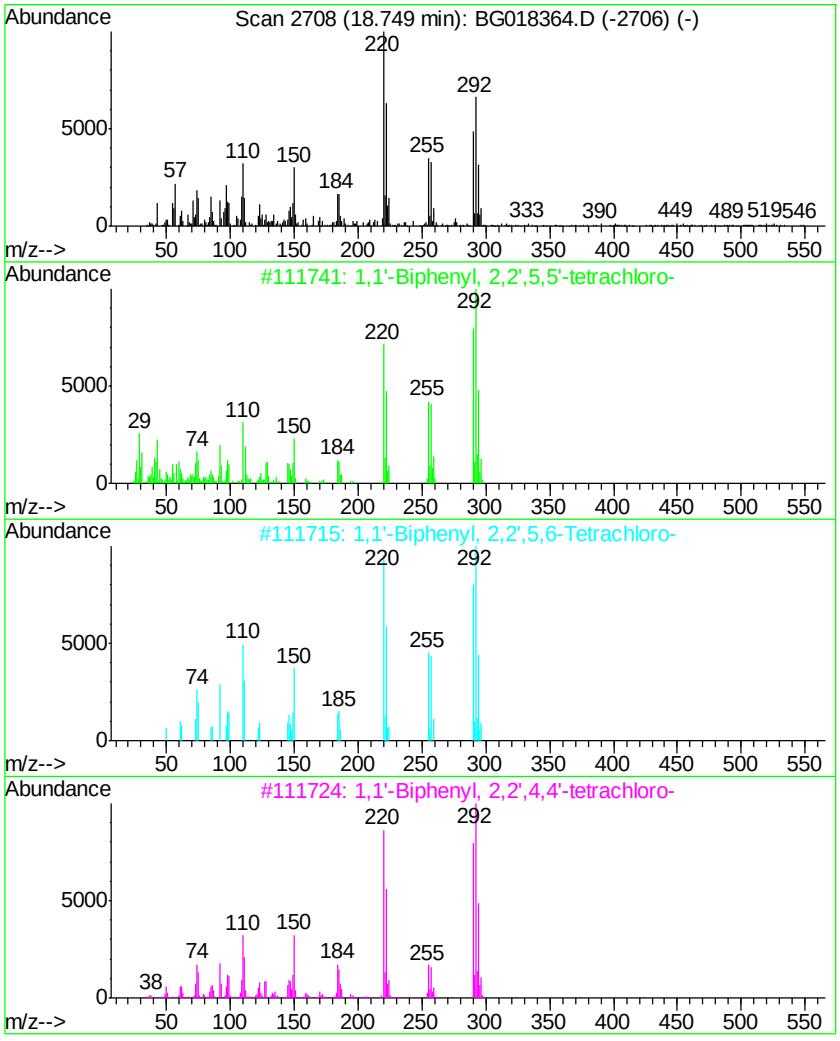
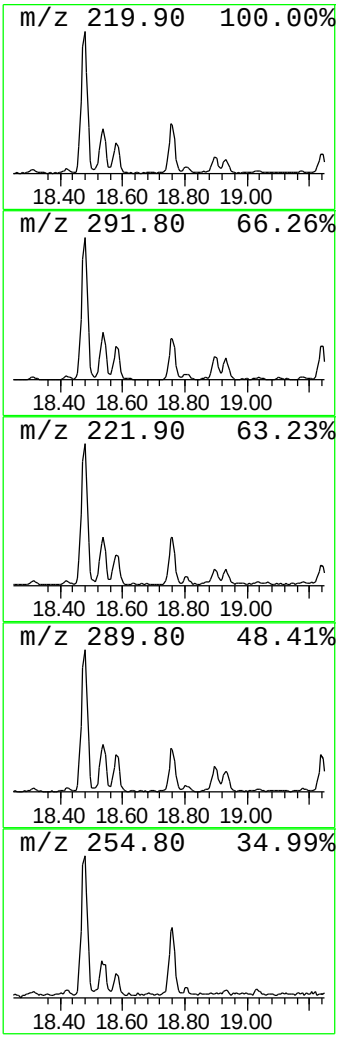
Peak Number 18 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	4.30 ng/ul	710565	Phenanthrene-d10	17.41

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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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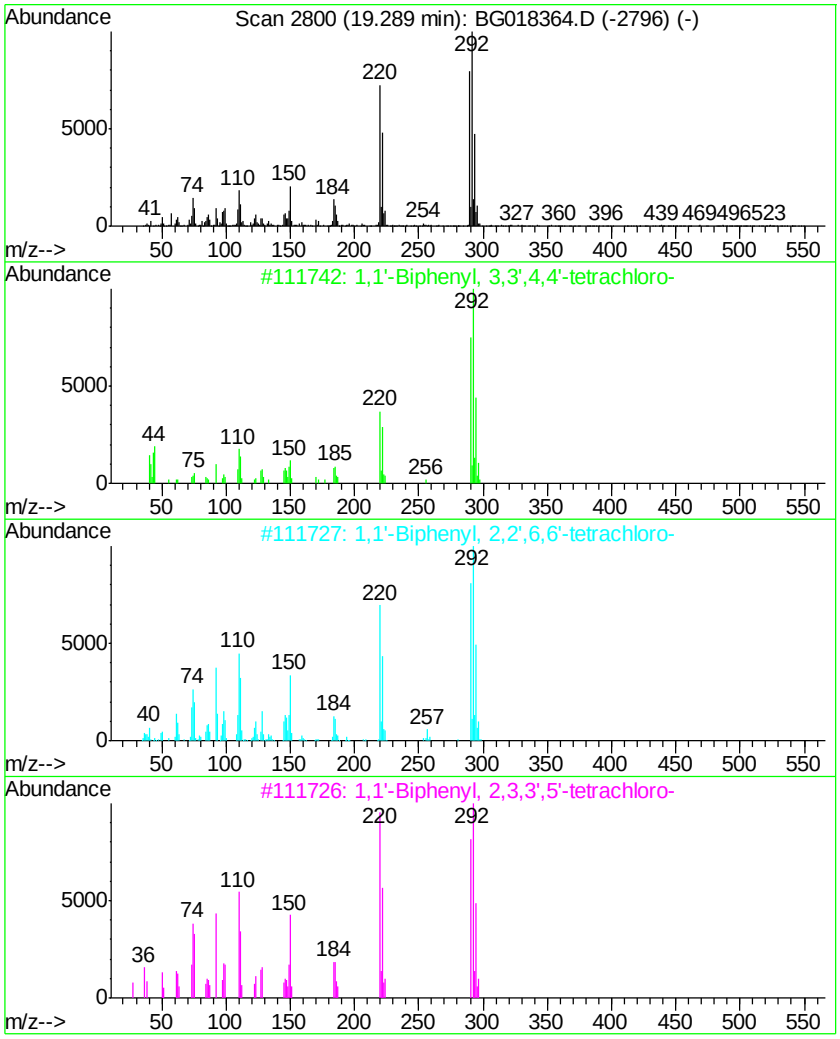
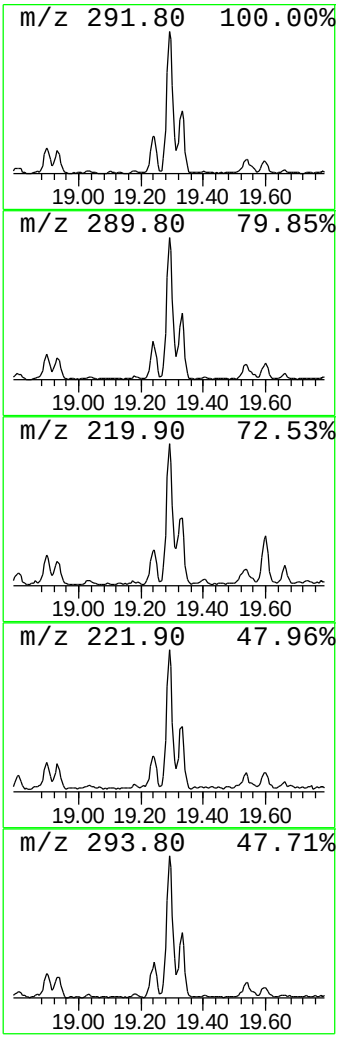
Peak Number 20 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	7.59 ng/ul	1254800	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	97
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	96





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Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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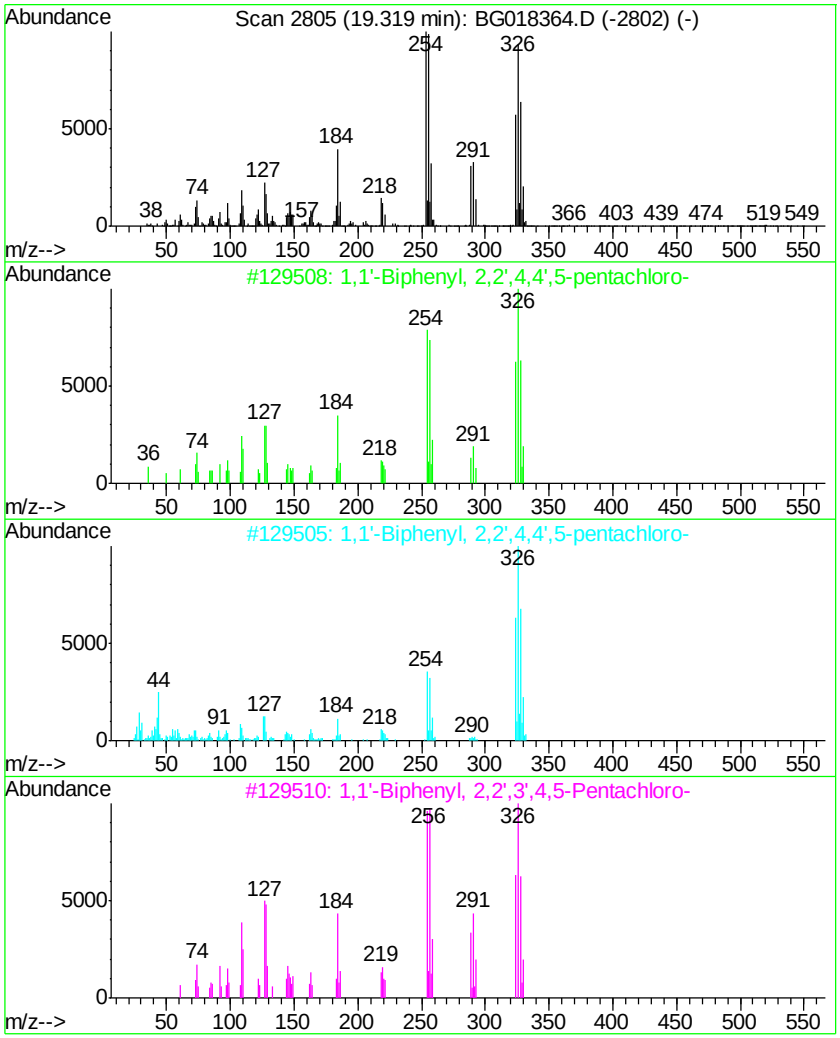
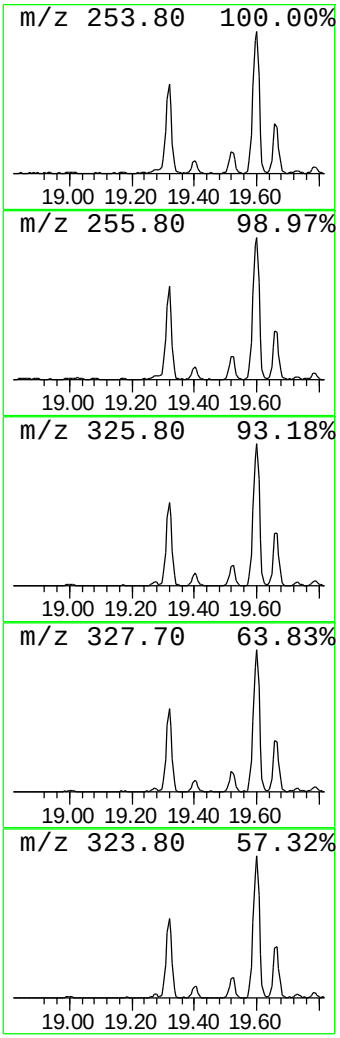
Peak Number 21 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	17.53 ng/ul	2897940	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	97
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	96





Library Search Compound Report

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Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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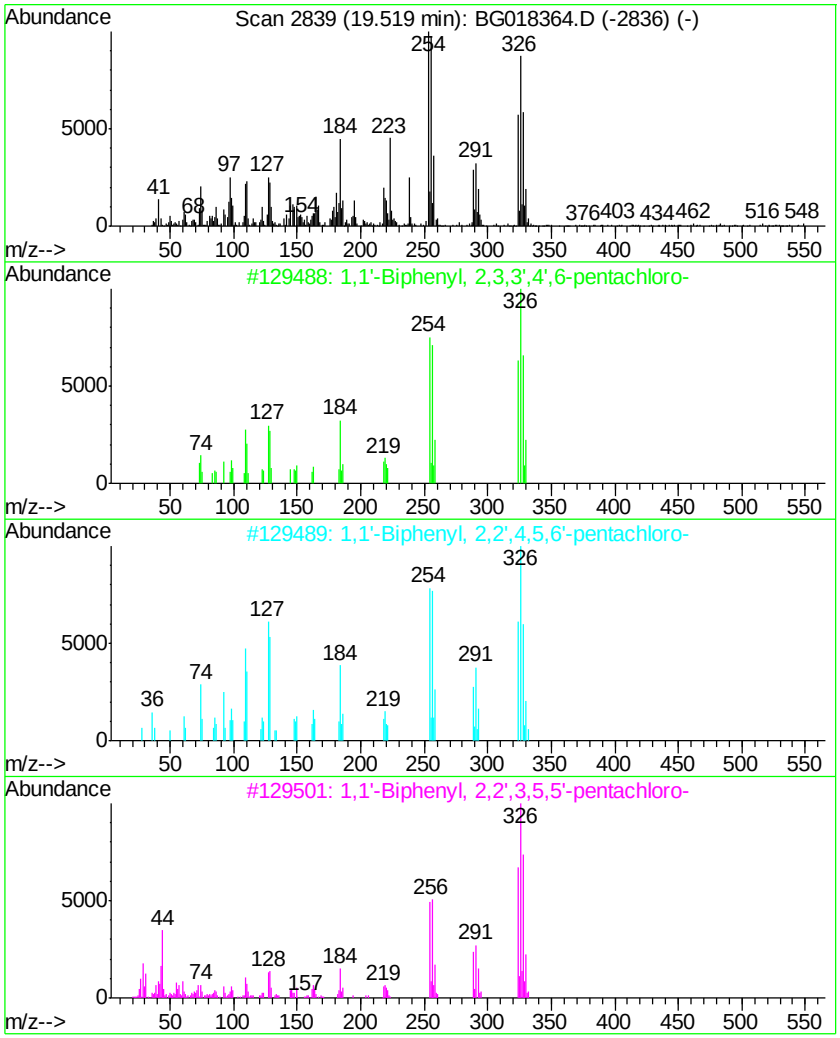
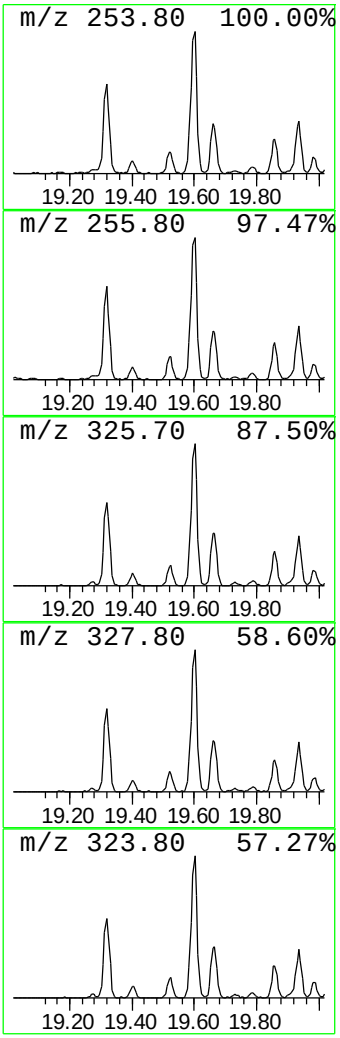
Peak Number 22 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	4.16 ng/ul	687073	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99





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Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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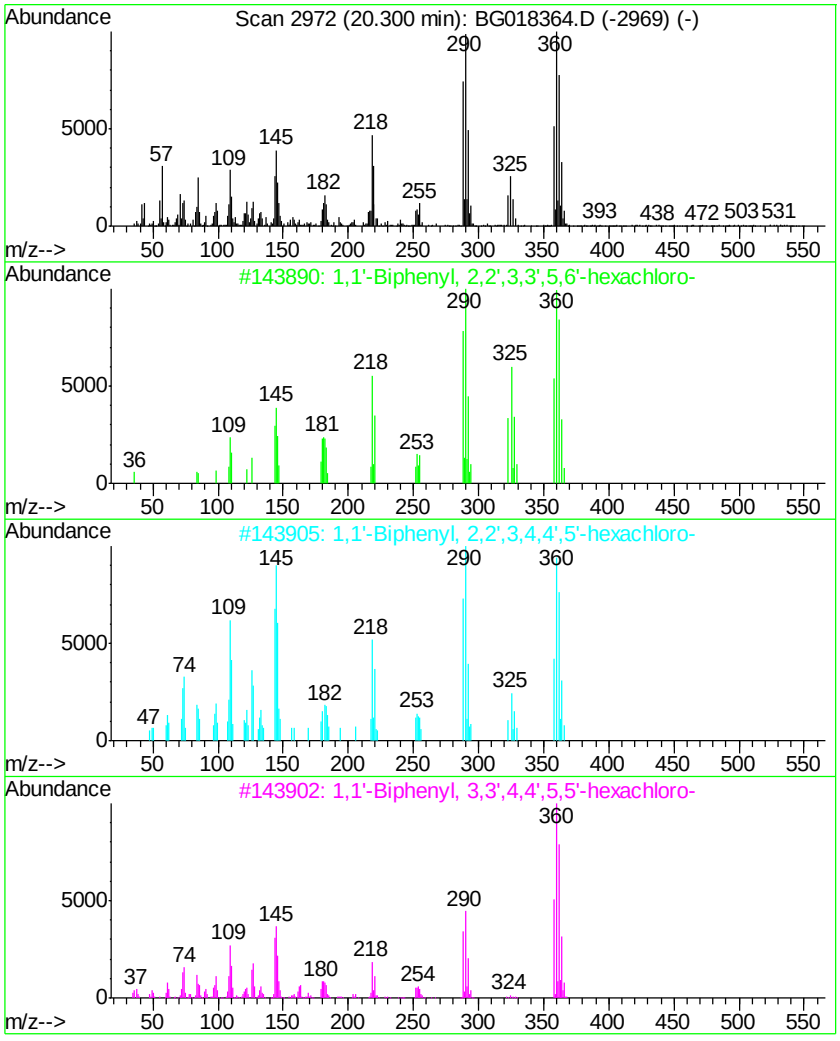
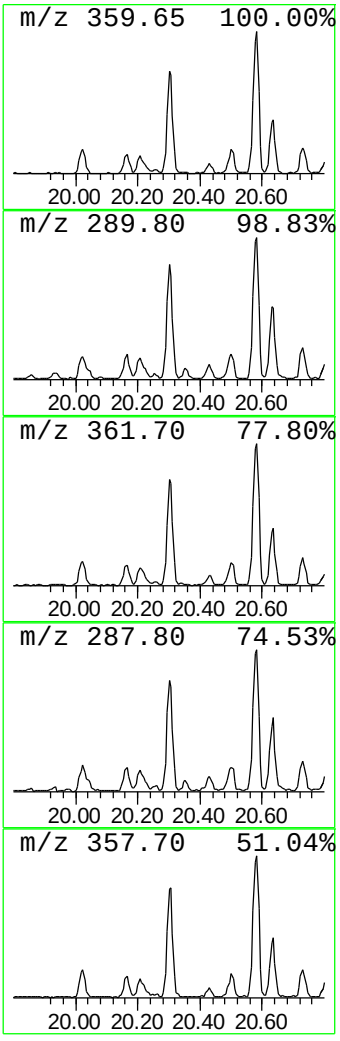
Peak Number 27 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	24.47 ng/ul	2229050	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	97
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	97
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	95
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	95
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	94





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Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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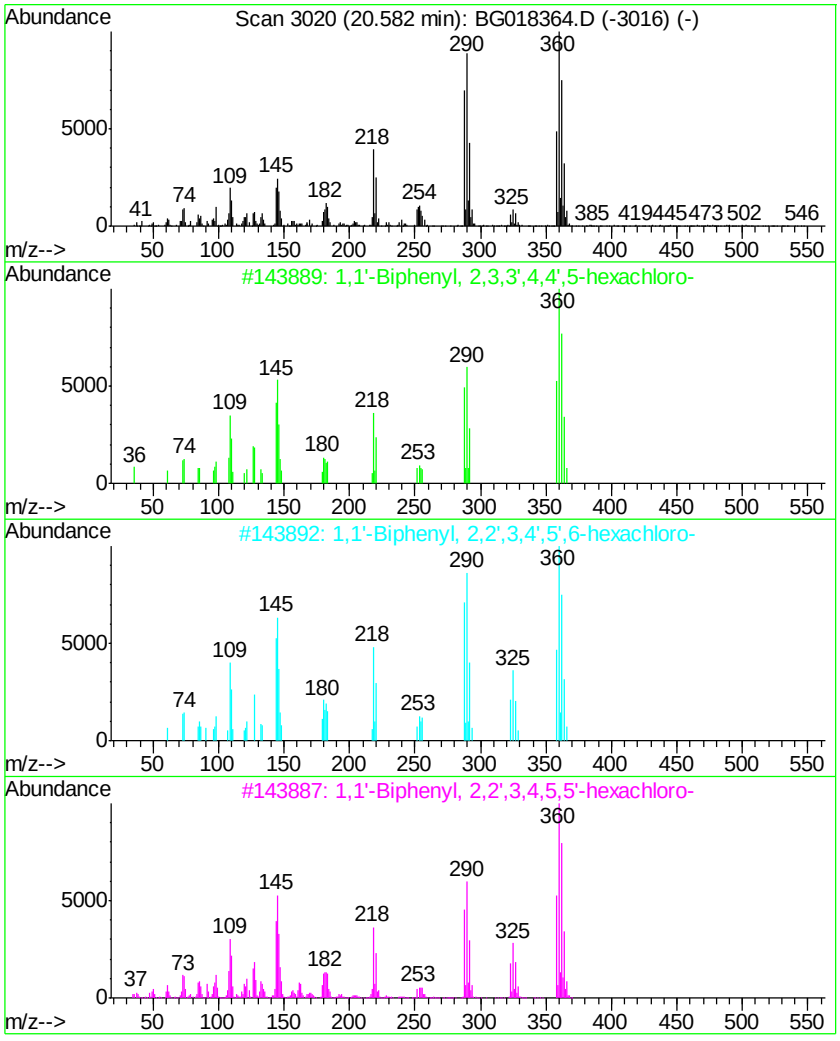
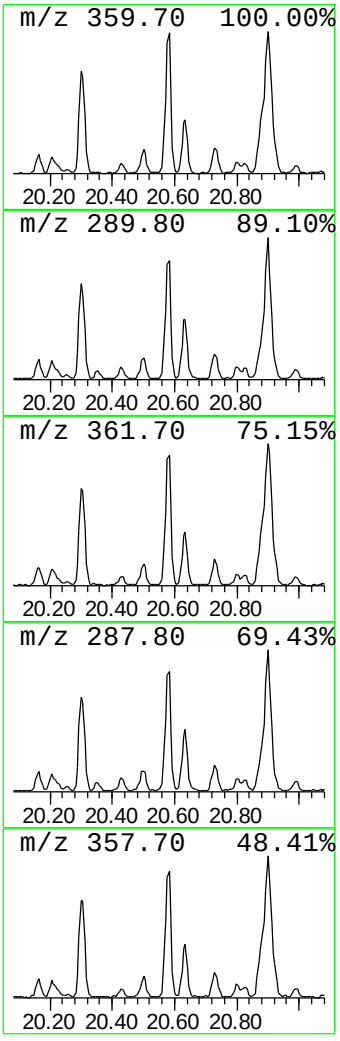
Peak Number 29 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	18.45 ng/ul	1680530	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	96
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	96
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	95





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Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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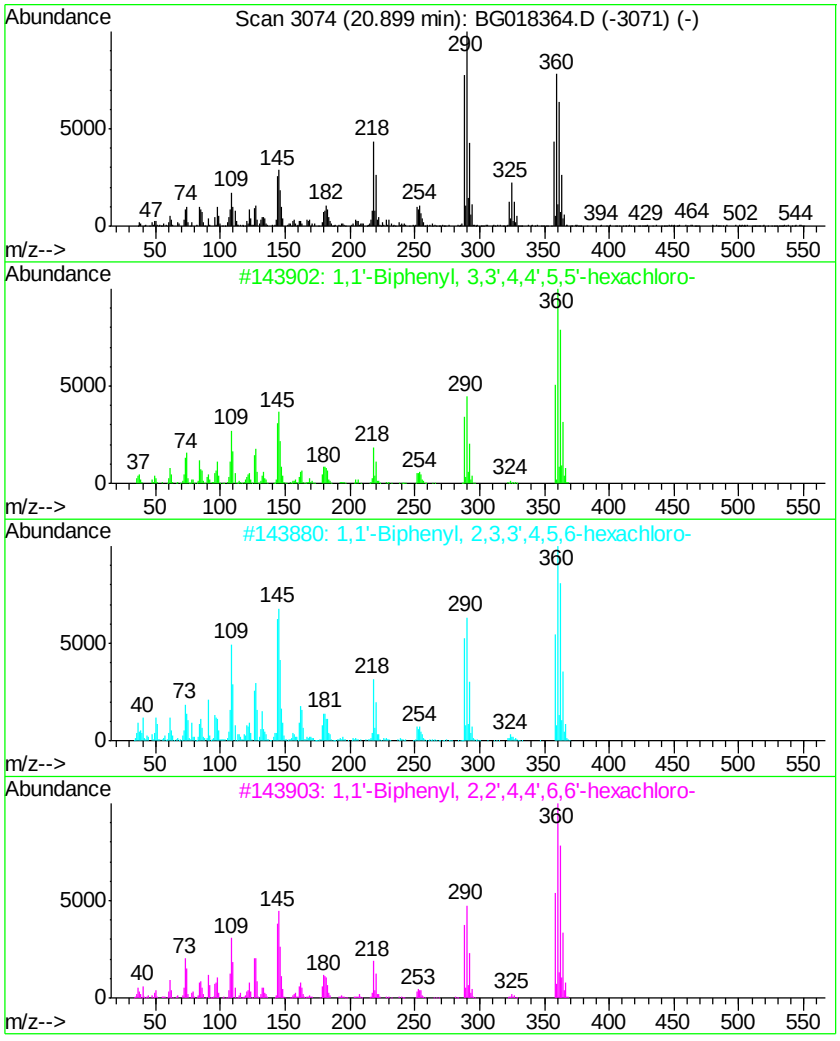
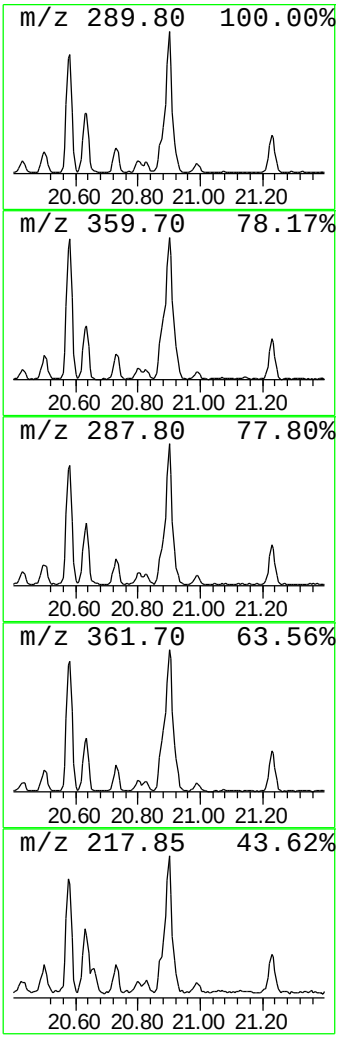
Peak Number 30 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	28.81 ng/ul	2623800	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
4	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	97
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018364.D
Acq On : 10 Aug 2015 21:34
Operator : UM/MA
Sample : G3136-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01X9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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...	11.35	2.9	ng/ul	271036	2	10.85	1883780	20.0
(DEL) Alkane: Str...	11.87	9.3	ng/ul	872943	2	10.85	1883780	20.0
(DEL) Alkane: Cyc...	12.13	2.8	ng/ul	261454	2	10.85	1883780	20.0
(DEL) Alkane: Cyc...	12.96	2.5	ng/ul	400432	3	14.67	3138220	20.0
(DEL) Alkane: Str...	13.21	9.5	ng/ul	1491230	3	14.67	3138220	20.0
(DEL) Alkane: Cyc...	13.48	2.7	ng/ul	420303	3	14.67	3138220	20.0
unknown-01	14.51	4.8	ng/ul	746845	3	14.67	3138220	20.0
(DEL) Alkane: Cyc...	14.58	2.8	ng/ul	432776	3	14.67	3138220	20.0
(DEL) Alkane: Str...	15.07	2.6	ng/ul	409134	3	14.67	3138220	20.0
(DEL) Alkane: Str...	15.19	4.7	ng/ul	744509	3	14.67	3138220	20.0
(DEL) Alkane: Str...	15.92	17.4	ng/ul	2732700	3	14.67	3138220	20.0
(DEL) Alkane: Str...	16.40	23.3	ng/ul	3854620	4	17.41	3306790	20.0
(DEL) Alkane: Str...	17.23	13.1	ng/ul	2170500	4	17.41	3306790	20.0
1,1'-Biphenyl, 2,...	17.32	2.7	ng/ul	443935	4	17.41	3306790	20.0
(DEL) Alkane: Str...	17.83	3.2	ng/ul	531689	4	17.41	3306790	20.0
1,1'-Biphenyl, 2,...	18.48	11.1	ng/ul	1826890	4	17.41	3306790	20.0
1,1'-Biphenyl, 2,...	18.54	3.5	ng/ul	583876	4	17.41	3306790	20.0
1,1'-Biphenyl, 2,...	18.75	4.3	ng/ul	710565	4	17.41	3306790	20.0
1,1'-Biphenyl, 3,...	19.29	7.6	ng/ul	1254800	4	17.41	3306790	20.0
1,1'-Biphenyl, 2,...	19.32	17.5	ng/ul	2897940	4	17.41	3306790	20.0
1,1'-Biphenyl, 2,...	19.52	4.2	ng/ul	687073	4	17.41	3306790	20.0
1,1'-Biphenyl, 2,...	20.30	24.5	ng/ul	2229050	5	21.67	1821590	20.0
1,1'-Biphenyl, 2,...	20.58	18.4	ng/ul	1680530	5	21.67	1821590	20.0
1,1'-Biphenyl, 3,...	20.90	28.8	ng/ul	2623800	5	21.67	1821590	20.0