LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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	5.335	417	425	435	rVV	279520	471306	9.25%	0.608%
2	5.664	476	481	492	rVB	68537	142866	2.80%	0.184%
3	7.016	702	711	717	rVB2	26671	60481	1.19%	0.078%
4	7.116	723	728	732	rVV	39369	57961	1.14%	0.075%
5	7.180	732	739	746	rVB2	63760	119880	2.35%	0.155%
6	7.251	746	751	759	rVB3	33235	63266	1.24%	0.082%
7	7.351	763	768	774	rVB	36220	61724	1.21%	0.080%
8	7.556	798	803	812	rVB2	44878	84227	1.65%	0.109%
9	7.674	814	823	832	rVB2	77332	143931	2.83%	0.186%
10	7.915	857	864	872	rBV	143040	247230	4.85%	0.319%
11	8.026	872	883	886	rVV	275111	534133	10.49%	0.689%
12	8.062	886	889	896	rVV	321953	491735	9.65%	0.634%
13	8.731	997	1003	1008	rVB3	53740	98070	1.93%	0.127%
14	9.131	1062	1071	1075	rBV4	28469	62584	1.23%	0.081%
15	9.178	1075	1079	1085	rVV2	34982	59310	1.16%	0.077%
16	9.254	1087	1092	1102	rVB2	47673	92702	1.82%	0.120%
17	9.906	1198	1203	1209	rBV5	41863	80921	1.59%	0.104%
18	10.024	1217	1223	1230	rVB5	24346	61779	1.21%	0.080%
19	10.241	1255	1260	1267	rBV5	26260	79267	1.56%	0.102%
20	10.453	1291	1296	1305	rVB4	64364	128295	2.52%	0.166%
21	10.694	1328	1337	1342	rBV3	55666	109711	2.15%	0.142%
22	10.829	1350	1360	1366	rBV	441894	872458	17.13%	1.126%
23	10.882	1366	1369	1376	rVV2	63810	107624	2.11%	0.139%
24	11.857	1529	1535	1539	rBV2	40945	65759	1.29%	0.085%
25	12.486	1628	1642	1649	rVB2	69856	164318	3.23%	0.212%
26	12.703	1674	1679	1686	rVB	43482	71683	1.41%	0.092%
27	13.197	1759	1763	1768	rVB2	57774	85526	1.68%	0.110%
28	13.479	1807	1811	1820	rVB5	59810	127027	2.49%	0.164%
29	13.820	1864	1869	1875	rBV4	25192	60186	1.18%	0.078%
30	13.972	1890	1895	1901	rVB4	54441	98020	1.92%	0.126%
31	14.055	1901	1909	1912	rBV2	100511	195594	3.84%	0.252%
32	14.137	1920	1923	1927	rVB2	87985	105773	2.08%	0.136%
33	14.307	1948	1952	1955	rBV6	39980	56448	1.11%	0.073%
34	14.348	1955	1959	1962	rVV	122620	186899	3.67%	0.241%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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	14.389	1962	1966	1974	rVB	397508	588145	11.55%	0.759%
36	14.489	1979	1983	1989	rVB4	73080	117482	2.31%	0.152%
37	14.554	1989	1994	2001	rBV5	79240	154273	3.03%	0.199%
38	14.654	2001	2011	2018	rBV2	753120	1347712	26.46%	1.739%
39	14.713	2018	2021	2025	rVV	58063	79578	1.56%	0.103%
40	14.842	2039	2043	2048	rBV6	33737	74131	1.46%	0.096%
41	15.047	2074	2078	2083	rVB2	105250	153333	3.01%	0.198%
42	15.171	2096	2099	2105	rVB5	49096	75043	1.47%	0.097%
43	15.318	2120	2124	2128	rVB5	45887	71559	1.40%	0.092%
44	15.447	2142	2146	2152	rBV6	50884	79829	1.57%	0.103%
45	15.500	2152	2155	2160	rVB	60157	71260	1.40%	0.092%
46	15.641	2175	2179	2184	rVB	150166	225217	4.42%	0.291%
47	15.694	2184	2188	2194	rBV3	93363	157148	3.09%	0.203%
48	15.905	2218	2224	2230	rVB	364454	543240	10.66%	0.701%
49	15.993	2237	2239	2246	rVB8	41491	69281	1.36%	0.089%
50	16.123	2257	2261	2264	rBV6	38573	58955	1.16%	0.076%
51	16.387	2299	2306	2311	rVB2	251048	460902	9.05%	0.595%
52	16.510	2323	2327	2335	rVB	310991	458144	8.99%	0.591%
53	16.628	2341	2347	2353	rVB	542020	799691	15.70%	1.032%
54	16.928	2394	2398	2402	rBV2	149482	232325	4.56%	0.300%
55	17.151	2434	2436	2440	rVB5	46456	53803	1.06%	0.069%
56	17.210	2442	2446	2450	rVV2	170027	235551	4.62%	0.304%
57	17.274	2452	2457	2460	rVV2	1002927	1431478	28.10%	1.847%
58	17.310	2460	2463	2468	rVB	480325	615404	12.08%	0.794%
59	17.398	2471	2478	2482	rBV	958262	1665979	32.71%	2.150%
60	17.439	2482	2485	2490	rVV	330917	463586	9.10%	0.598%
61	17.492	2490	2494	2498	rVV	149927	234683	4.61%	0.303%
62	17.568	2502	2507	2515	rVB	797074	1241818	24.38%	1.602%
63	17.850	2550	2555	2557	rBV	1179310	1604990	31.51%	2.071%
64	17.879	2557	2560	2568	rVB2	847305	1207521	23.71%	1.558%
65	17.997	2573	2580	2586	rVB2	1470363	3127325	61.40%	4.035%
66	18.115	2594	2600	2607	rBV2	1239458	2008088	39.42%	2.591%
67	18.191	2609	2613	2617	rBV	497137	627173	12.31%	0.809%
68	18.244	2618	2622	2626	rBV	339757	469097	9.21%	0.605%
69	18.408	2645	2650	2655	rBV3	339402	623456	12.24%	0.804%
70	18.467	2655	2660	2665	rVV	3622590	5093757	100.00%	6.572%
71	18.526	2665	2670	2674	rVV	3489847	4716444	92.59%	6.086%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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	18.573	2674	2678	2683	rVB	1991626	2640685	51.84%	3.407%
73	18.749	2703	2708	2712	rBV	1229587	1656898	32.53%	2.138%
74	18.796	2712	2716	2720	rVB	708167	906806	17.80%	1.170%
75	18.849	2722	2725	2727	rBV3	161492	190092	3.73%	0.245%
76	18.884	2727	2731	2735	rVV	781963	1047157	20.56%	1.351%
77	18.919	2735	2737	2743	rVB	380893	465514	9.14%	0.601%
78	18.990	2745	2749	2751	rBV4	171116	246748	4.84%	0.318%
79	19.019	2751	2754	2755	rBV3	133998	150926	2.96%	0.195%
80	19.225	2786	2789	2793	rBV2	223033	273253	5.36%	0.353%
81	19.278	2793	2798	2800	rBV	999429	1460815	28.68%	1.885%
82	19.307	2800	2803	2811	rVB3	2365028	3895908	76.48%	5.027%
83	19.389	2813	2817	2821	rVB4	737692	949070	18.63%	1.225%
84	19.448	2823	2827	2830	rVB	356378	475100	9.33%	0.613%
85	19.507	2832	2837	2843	rBV3	1344871	2106150	41.35%	2.718%
86	19.583	2845	2850	2857	rVB	2637877	3787838	74.36%	4.887%
87	19.648	2857	2861	2867	rBV	1399888	1874378	36.80%	2.418%
88	19.718	2870	2873	2878	rVB2	251020	282731	5.55%	0.365%
89	19.777	2879	2883	2886	rBV4	540757	870518	17.09%	1.123%
90	19.848	2892	2895	2899	rVB	558657	642865	12.62%	0.829%
91	19.924	2905	2908	2911	rVB2	382722	430025	8.44%	0.555%
92	20.030	2920	2926	2932	rVB	2804054	3955637	77.66%	5.104%
93	20.153	2944	2947	2950	rBV	300110	375139	7.36%	0.484%
94	20.288	2965	2970	2974	rBV3	1375234	2072305	40.68%	2.674%
95	20.341	2975	2979	2983	rVB	1692629	2087639	40.98%	2.694%
96	20.570	3014	3018	3022	rVB	1313006	1643419	32.26%	2.120%
97	20.623	3023	3027	3030	rBV3	722456	1055750	20.73%	1.362%
98	20.888	3065	3072	3080	rVB2	939382	1931468	37.92%	2.492%
99	21.558	3182	3186	3196	rVB	1414905	2204326	43.28%	2.844%
100	21.663	3200	3204	3208	rBV2	749272	1137431	22.33%	1.468%

Sum of corrected areas: 77502686

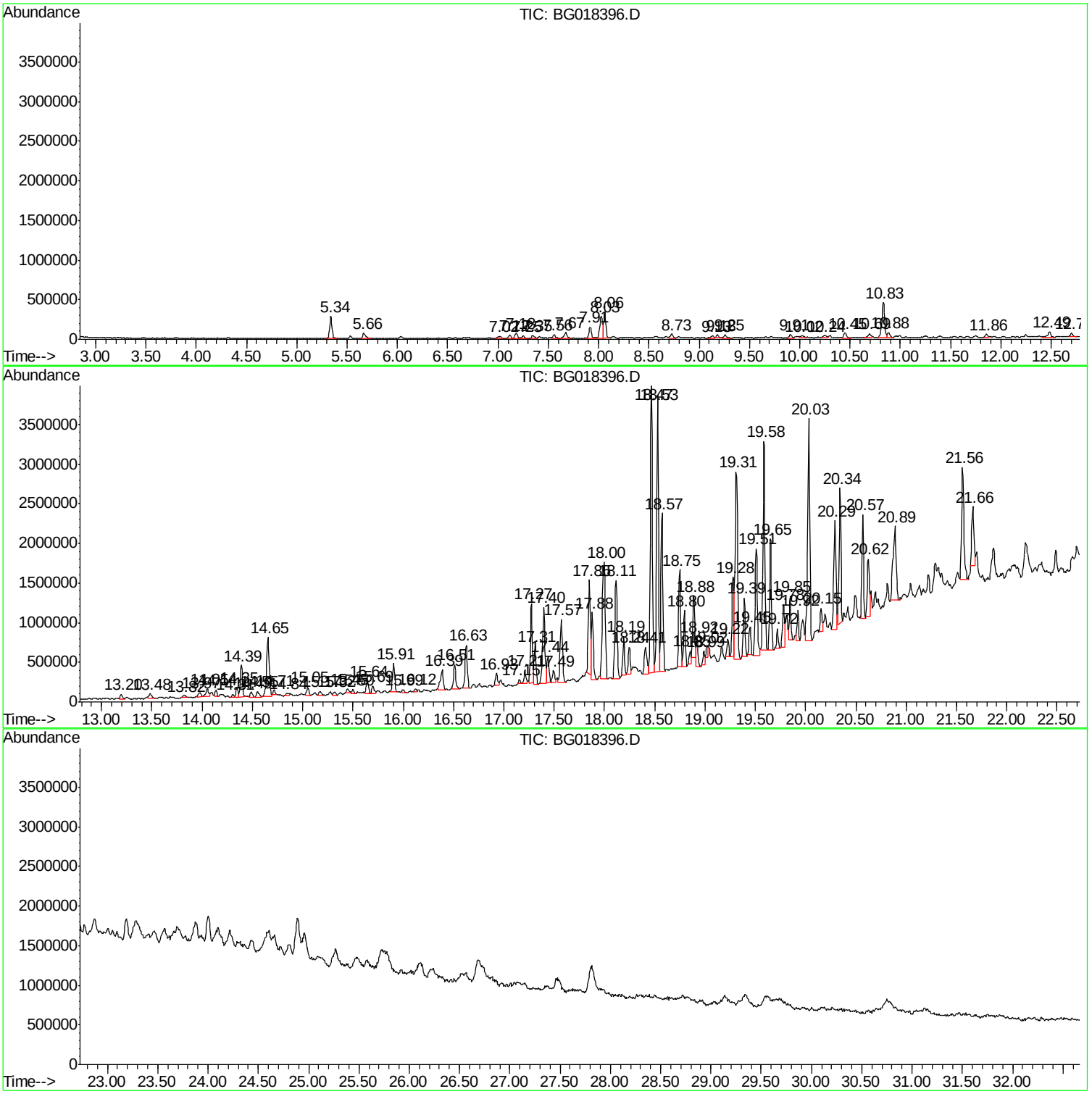
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01P9DL

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

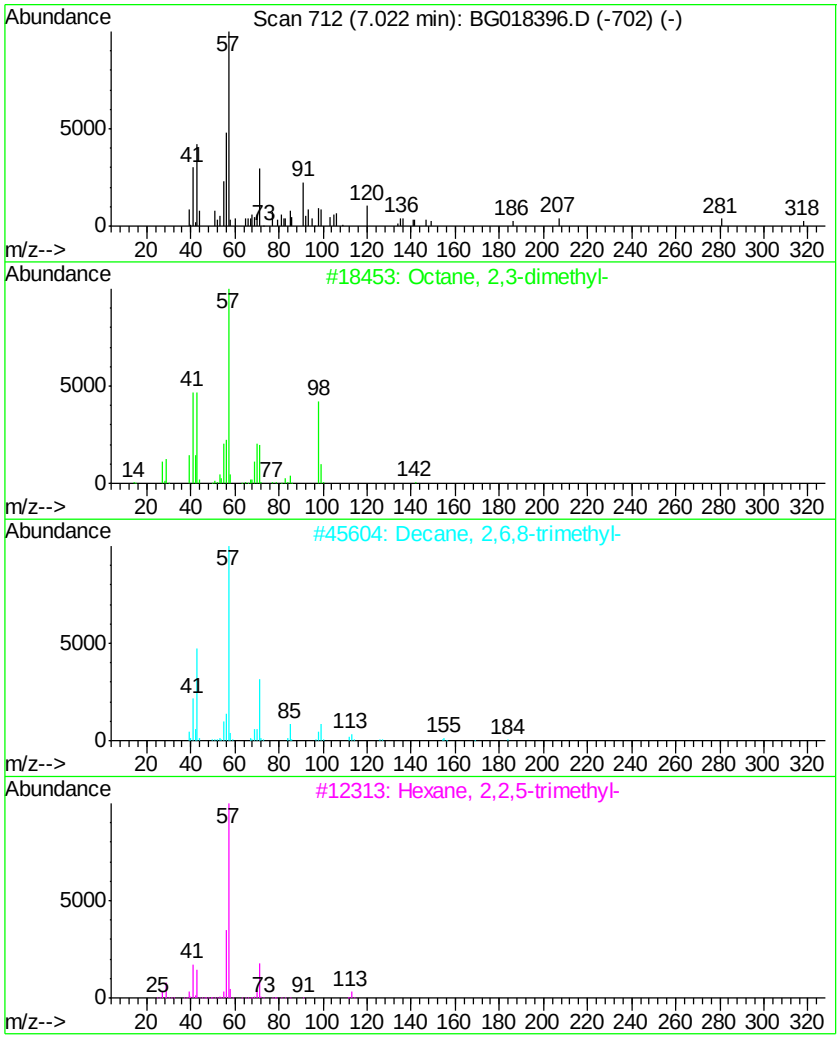
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

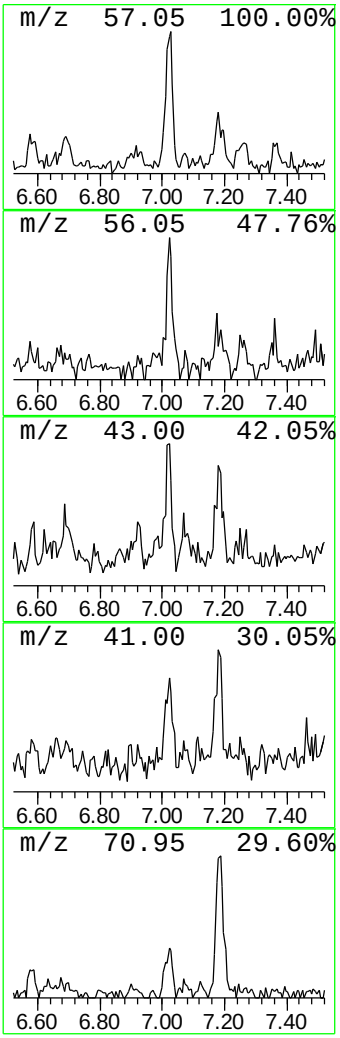
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	2.26 ng/ul	60481	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	35
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	27
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	27
5	Octane, 3-methyl-	128	C9H20	002216-33-3	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

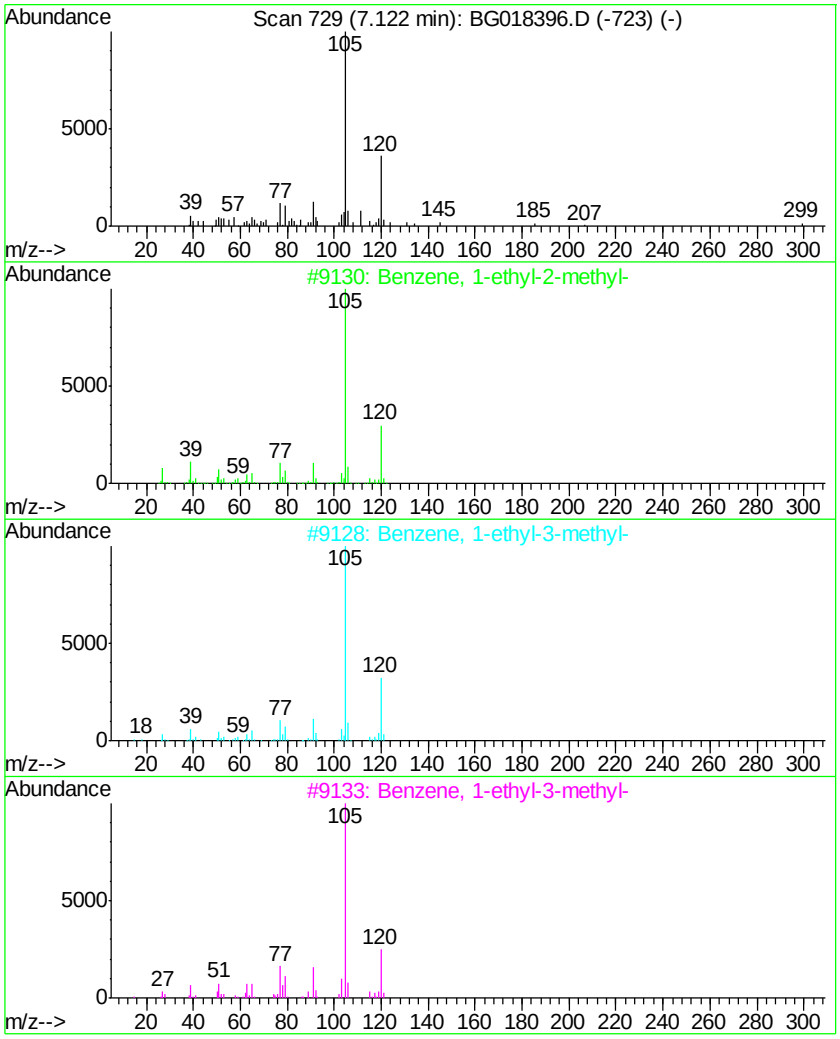
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

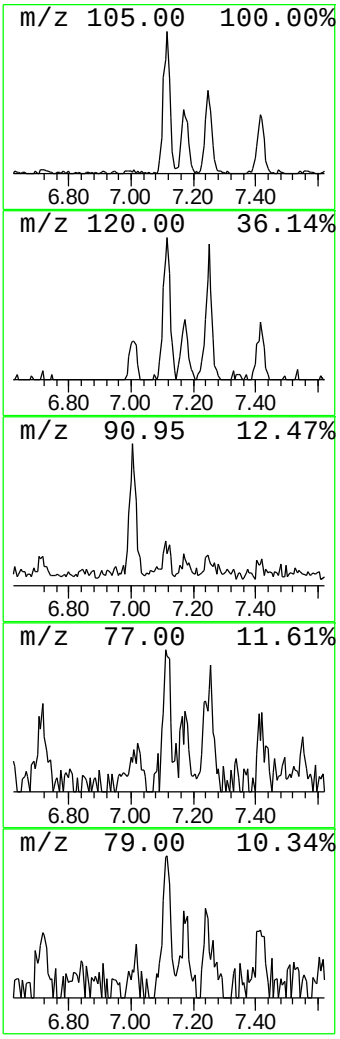
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	2.17 ng/ul	57961	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	72
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

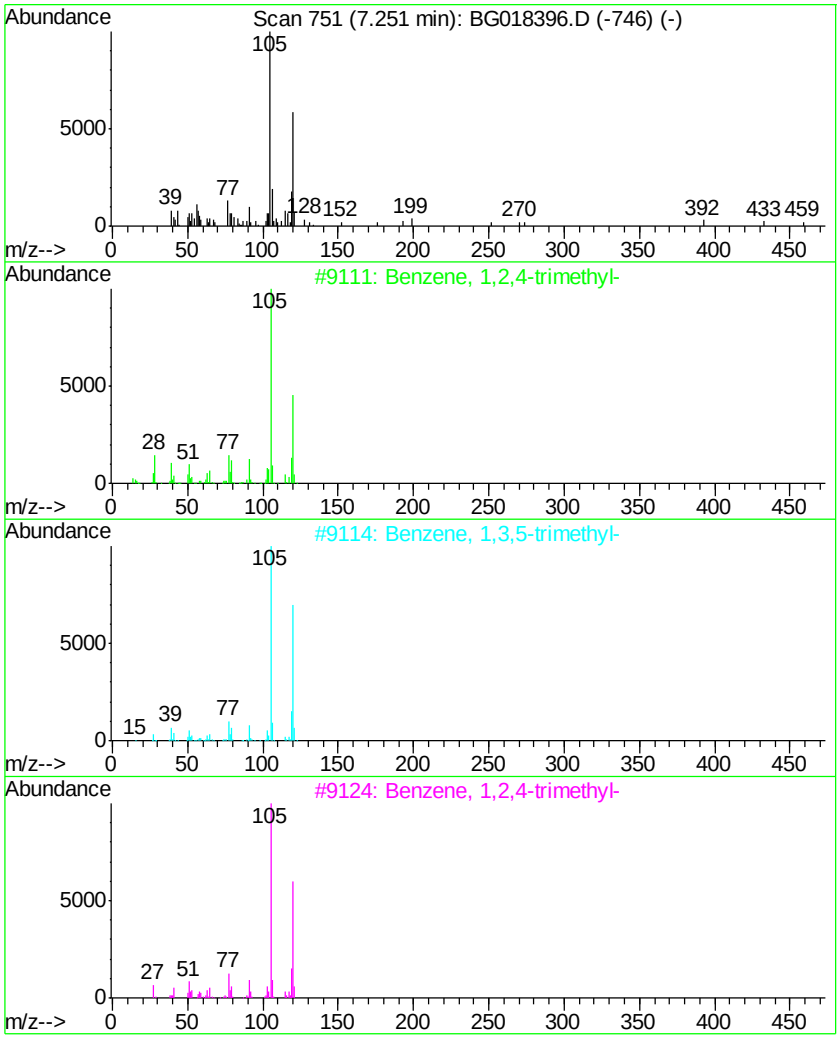
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

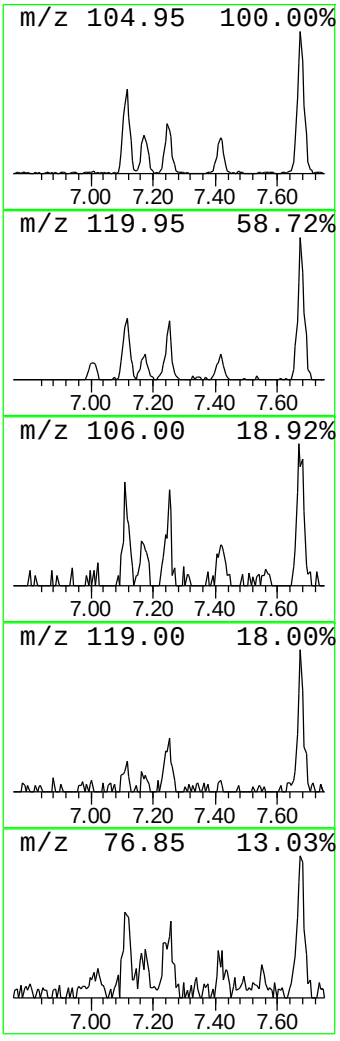
****

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	2.37 ng/ul	63266	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	81
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

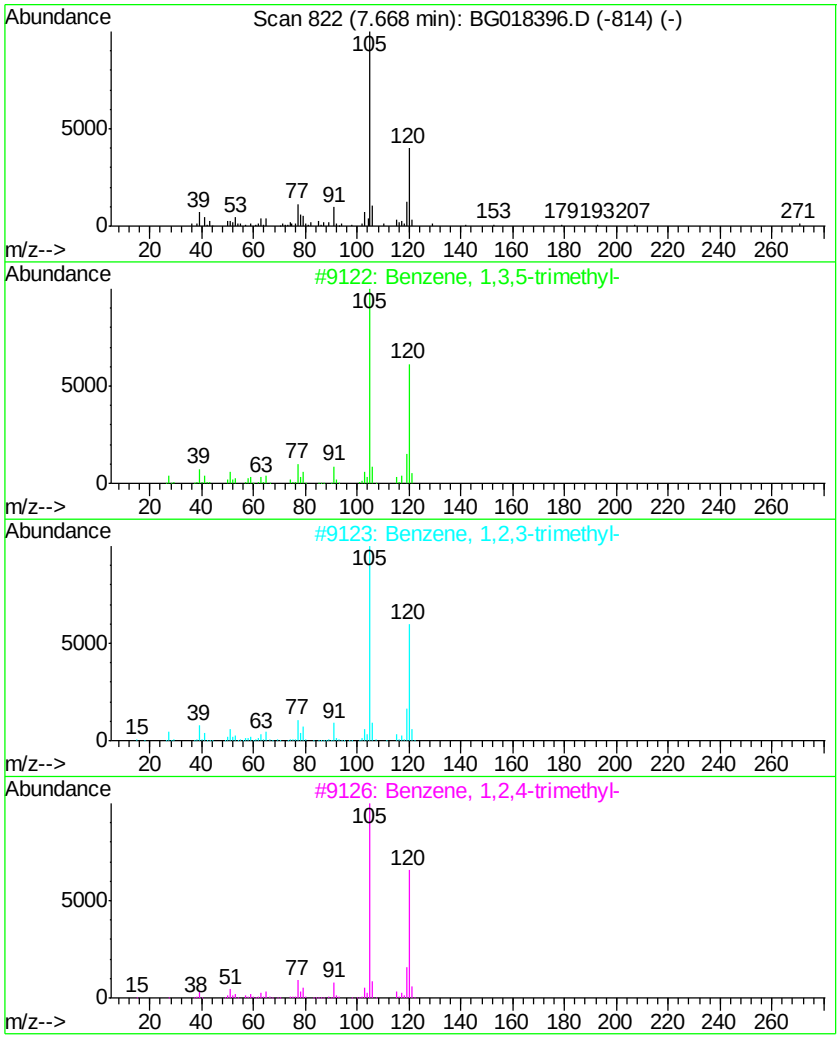
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

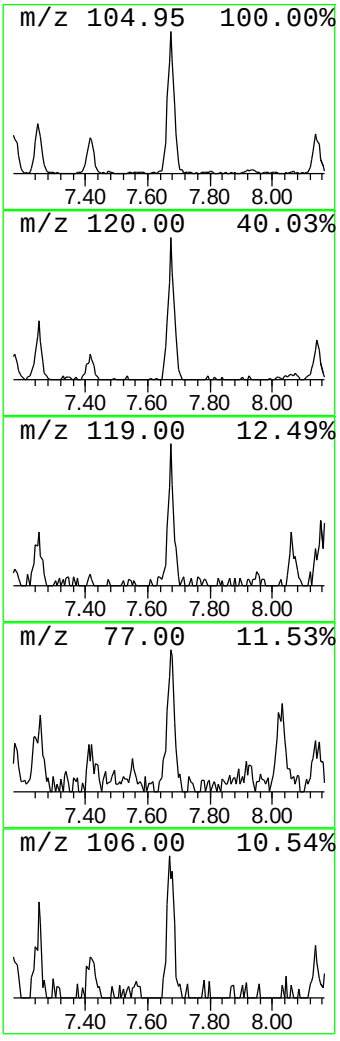
****

Peak Number 6 Benzene, 1,3,5-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	5.39 ng/ul	143931	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

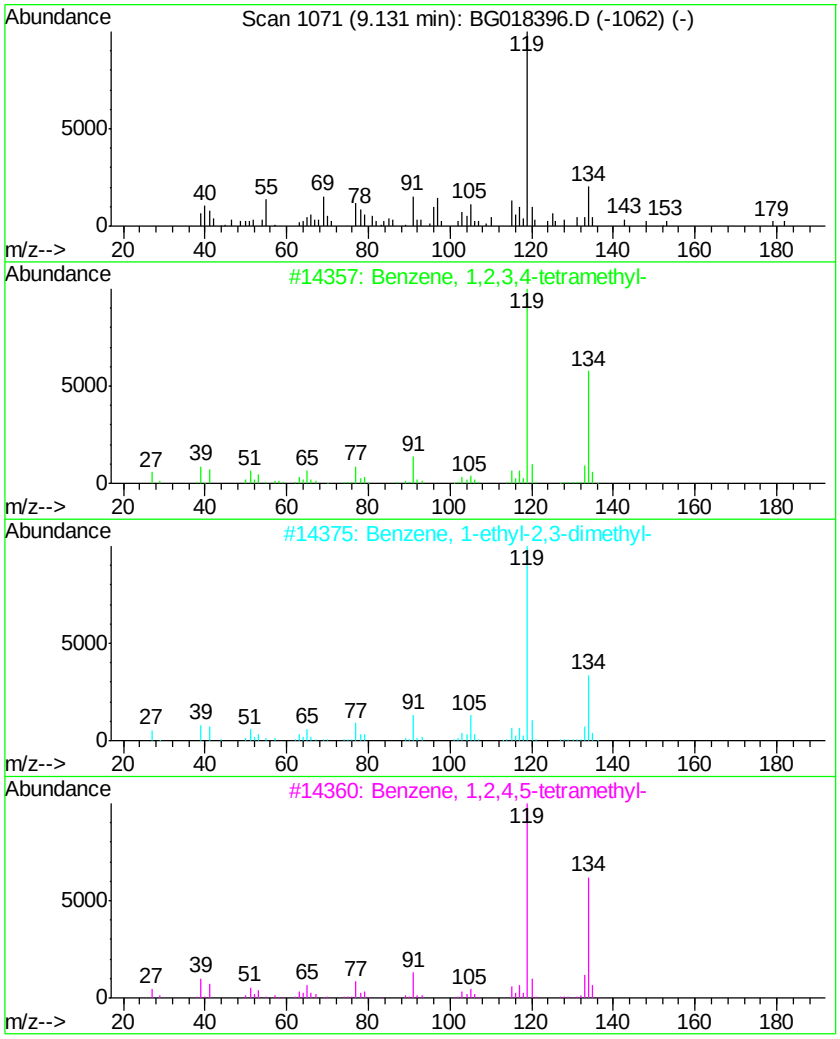
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

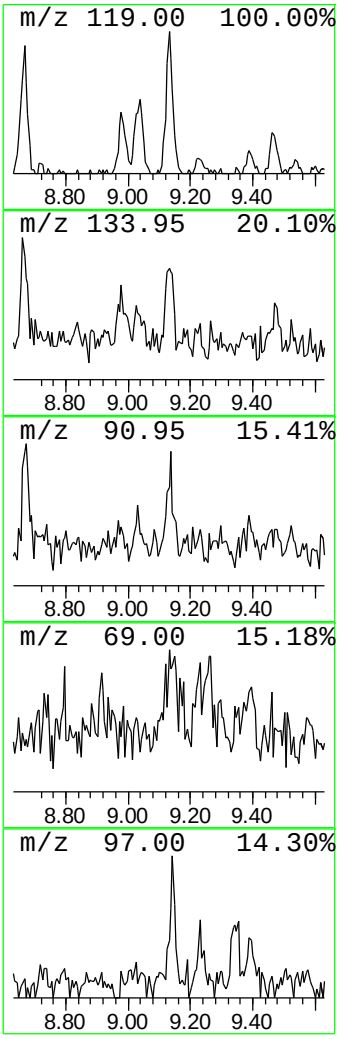
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	2.34 ng/ul	62584	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

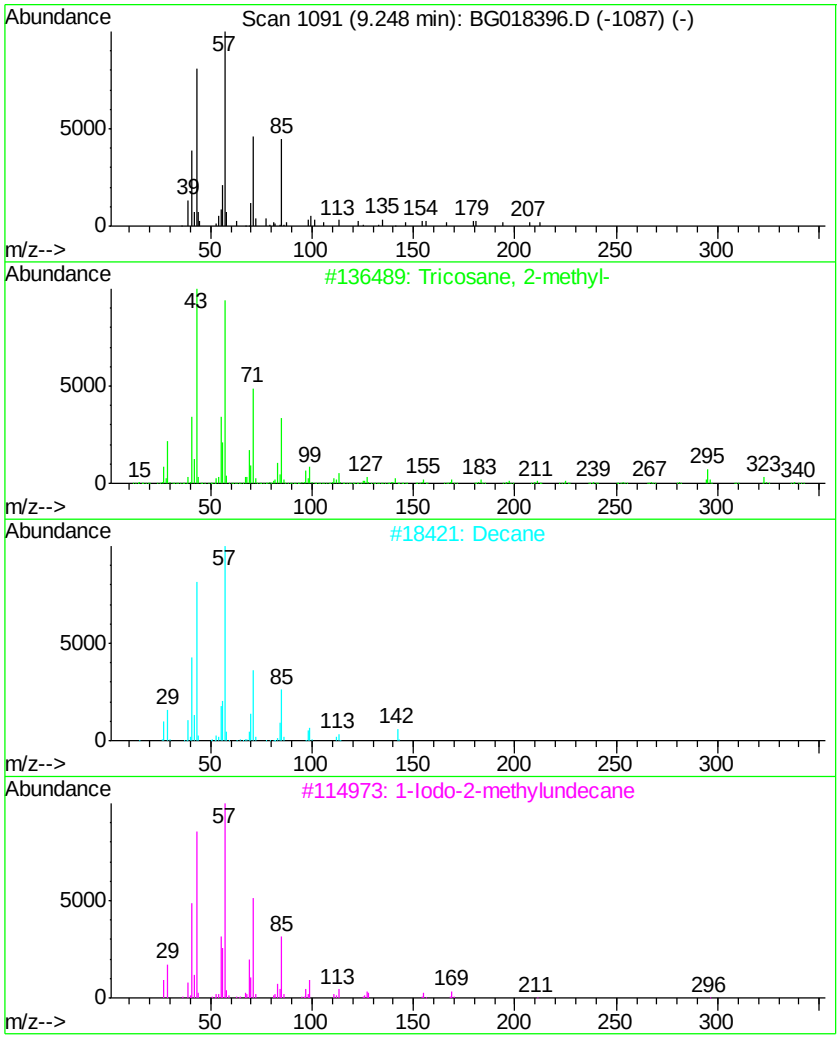
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

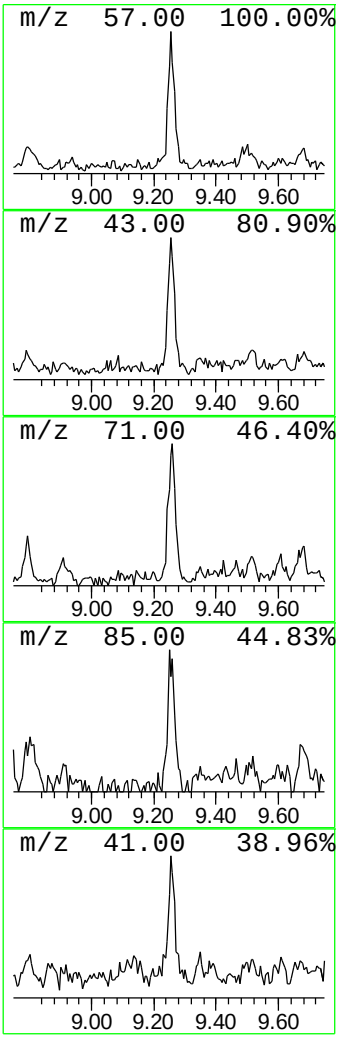
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.47 ng/ul	92702	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane, 2-methyl-	338	C24H50	001928-30-9	86
2	Decane	142	C10H22	000124-18-5	78
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	72
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	72
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

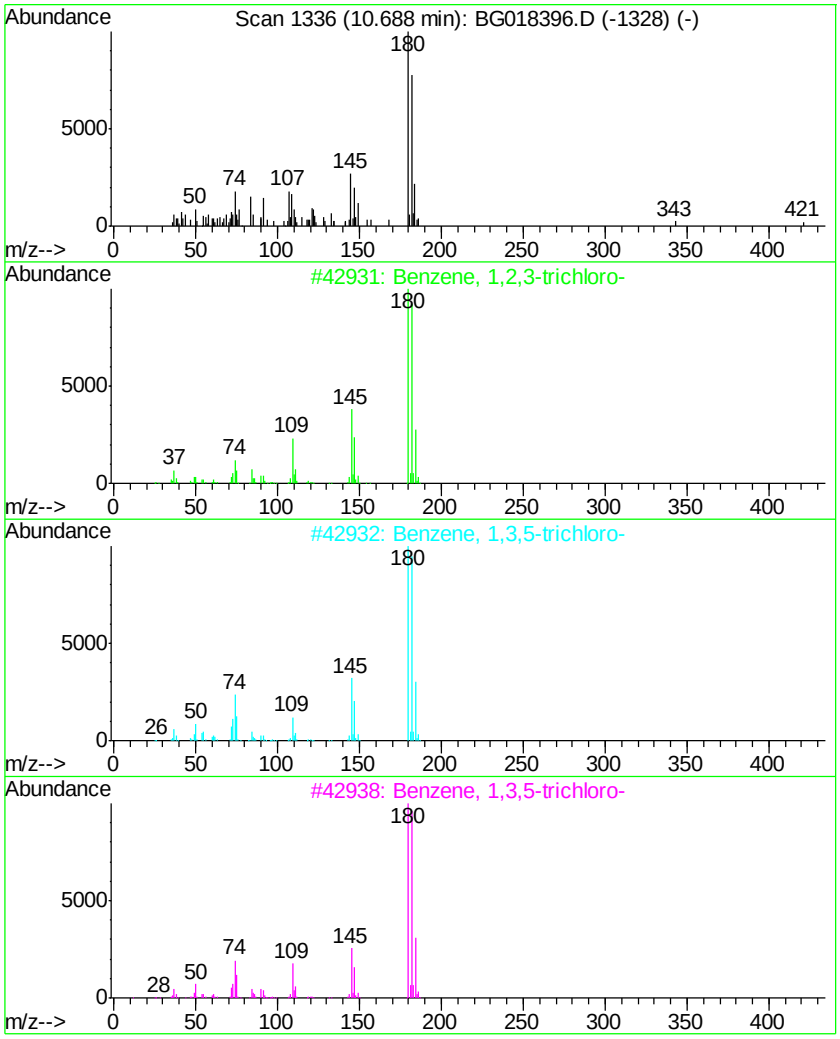
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

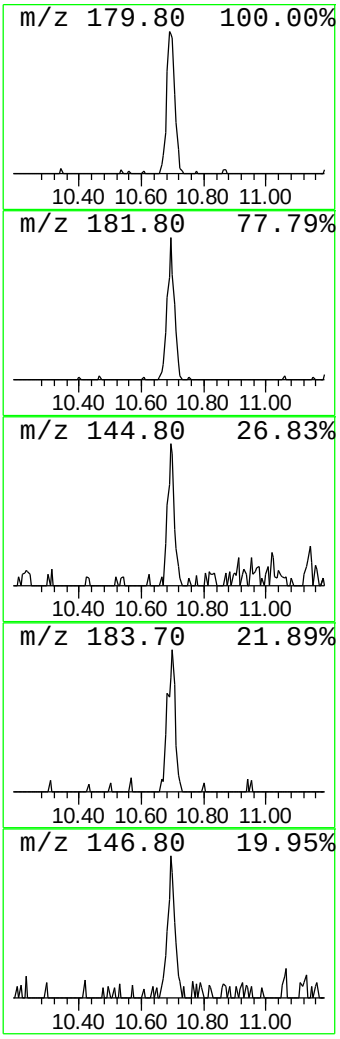
****

Peak Number 10 Benzene, 1,2,3-trichloro- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	2.51 ng/ul	109711	Naphthalene-d8	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	93
2	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	93
3	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	93
4	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	93
5	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	74





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

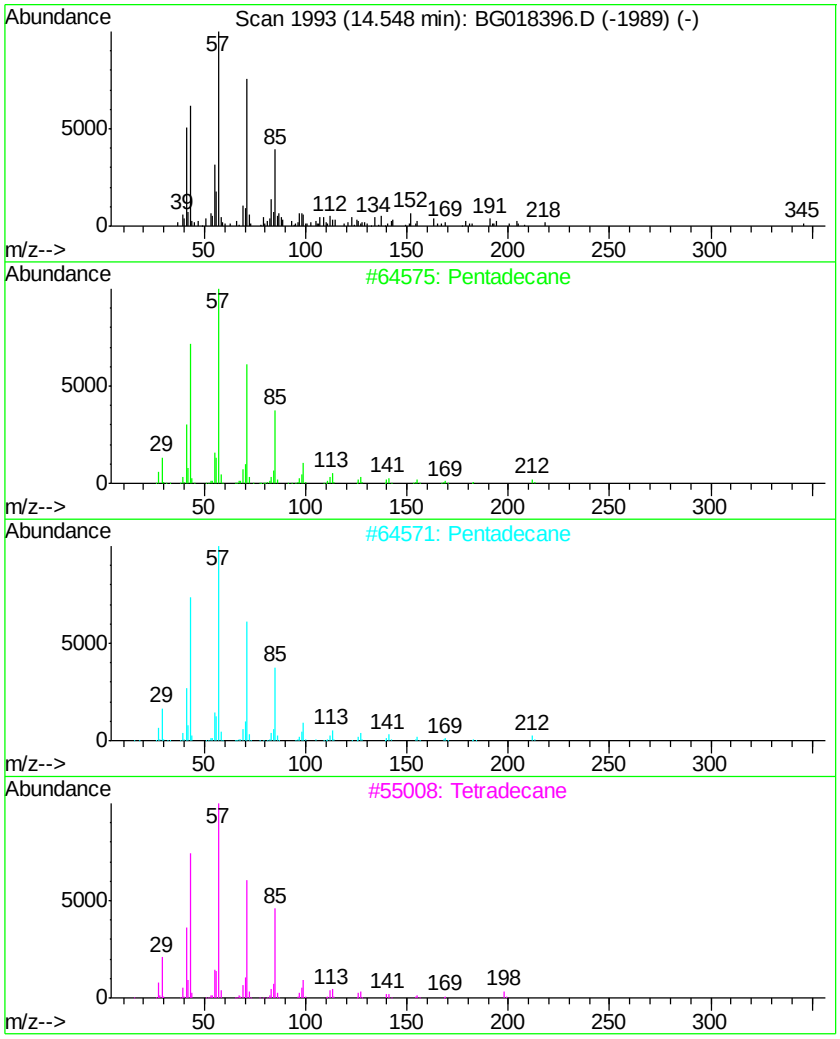
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

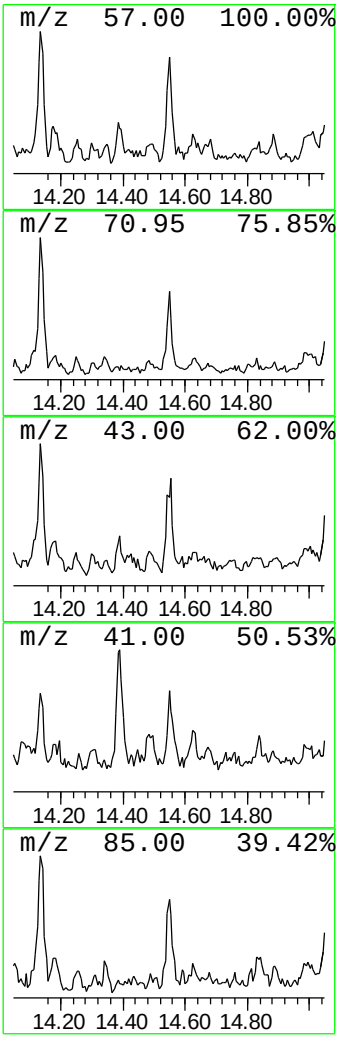
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.29 ng/ul	154273	Acenaphthene-d10	14.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Pentadecane	212	C15H32	000629-62-9	70
3	Tetradecane	198	C14H30	000629-59-4	58
4	Tetratetracontane	619	C44H90	007098-22-8	58
5	Octacosane	394	C28H58	000630-02-4	58





Library Search Compound Report

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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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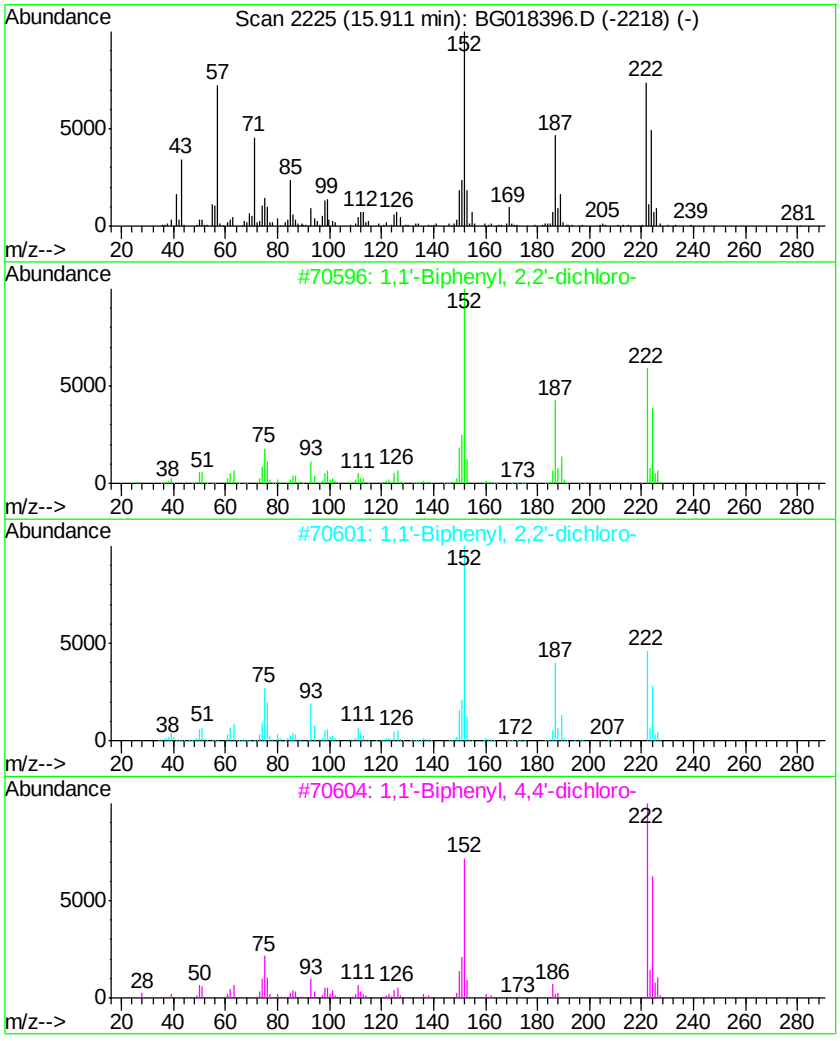
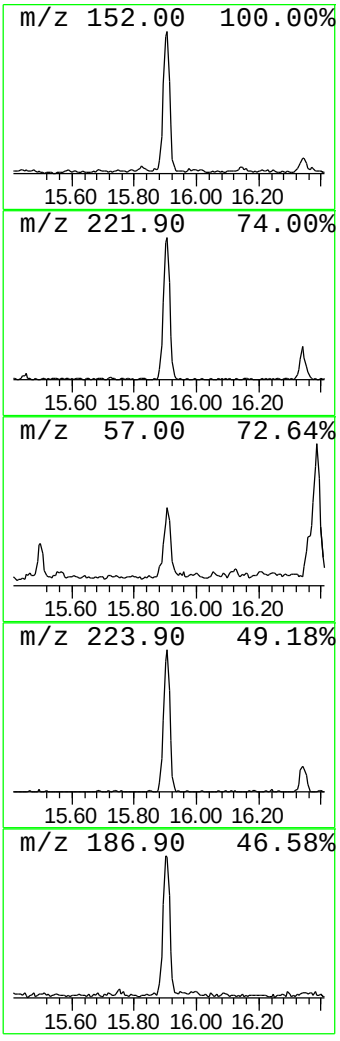
Peak Number 12 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	8.06 ng/ul	543240	Acenaphthene-d10	14.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	93
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	89





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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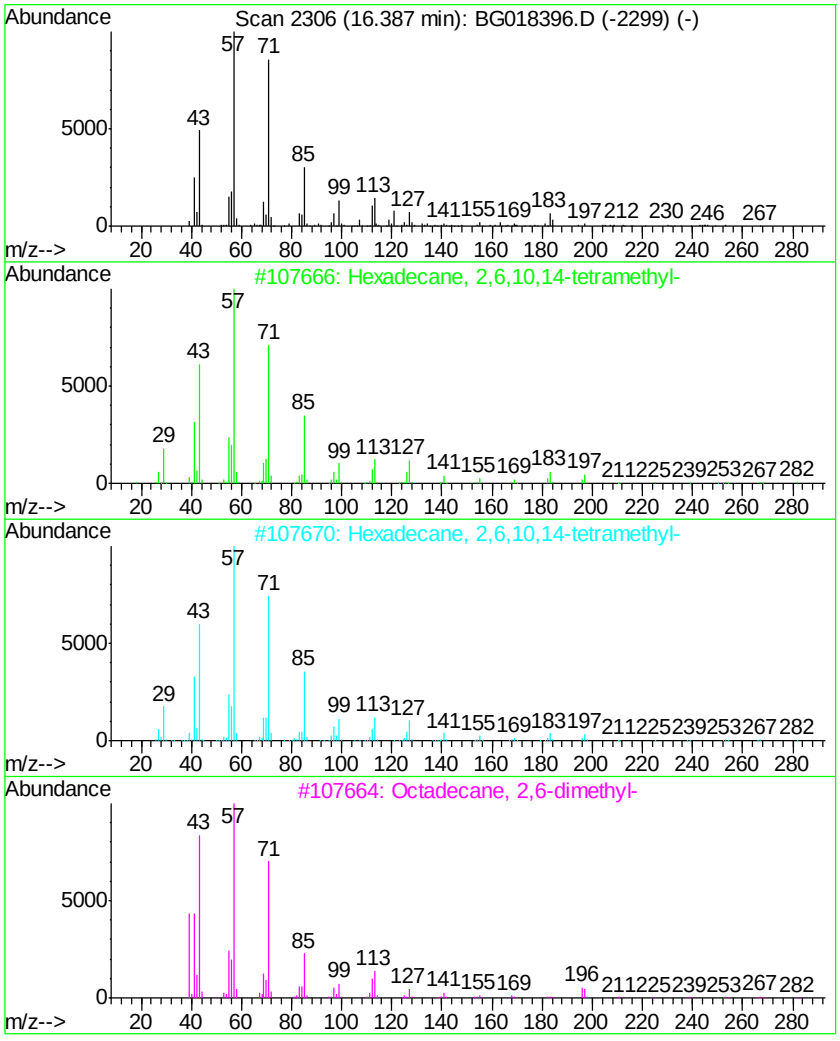
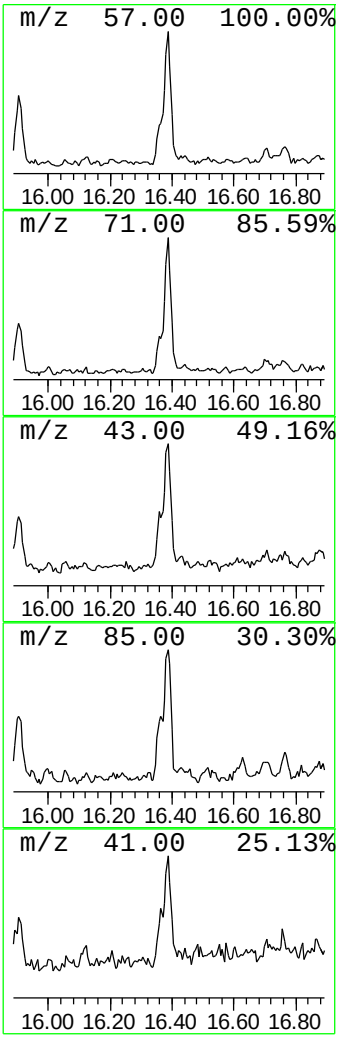
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	5.53 ng/ul	460902	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
4	Heptacosane	380	C27H56	000593-49-7	80
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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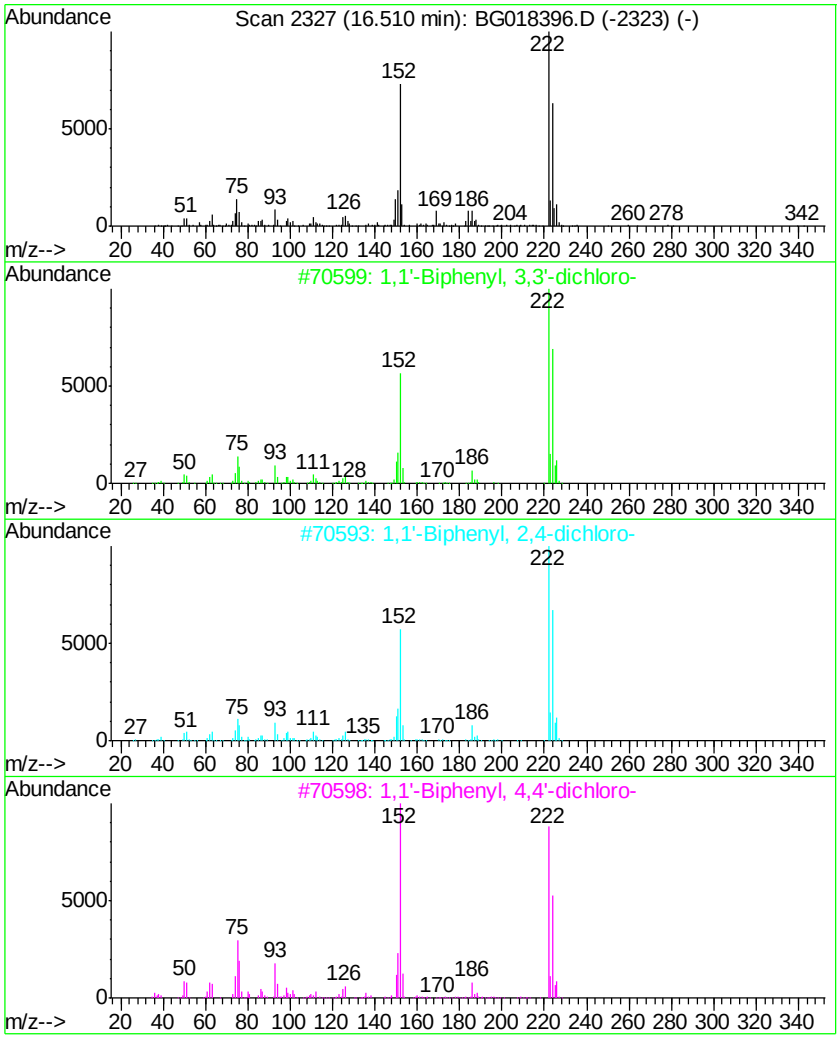
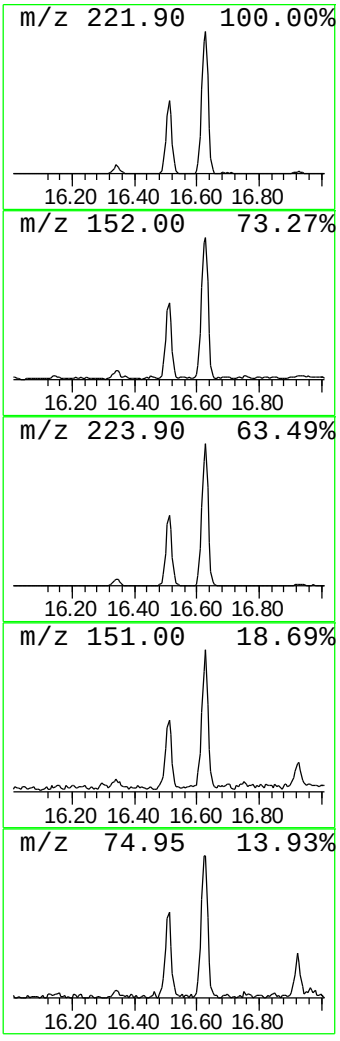
Peak Number 14 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	5.50 ng/ul	458144	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99
2	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	98
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	97





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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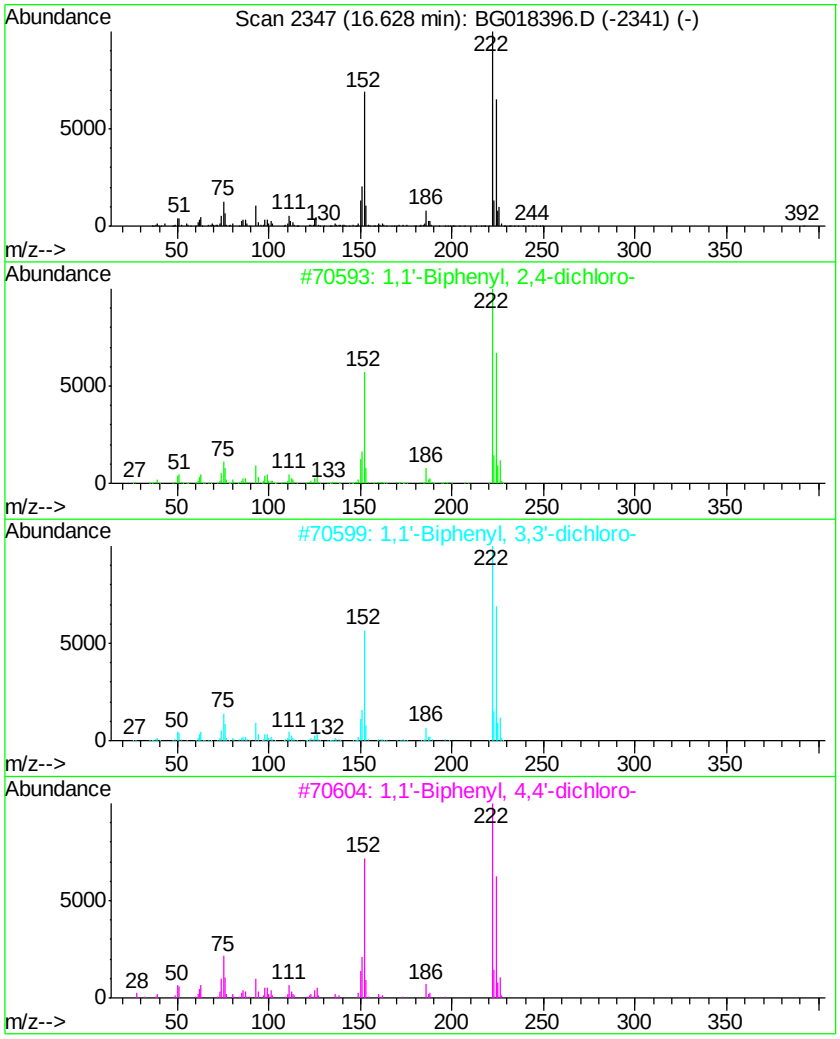
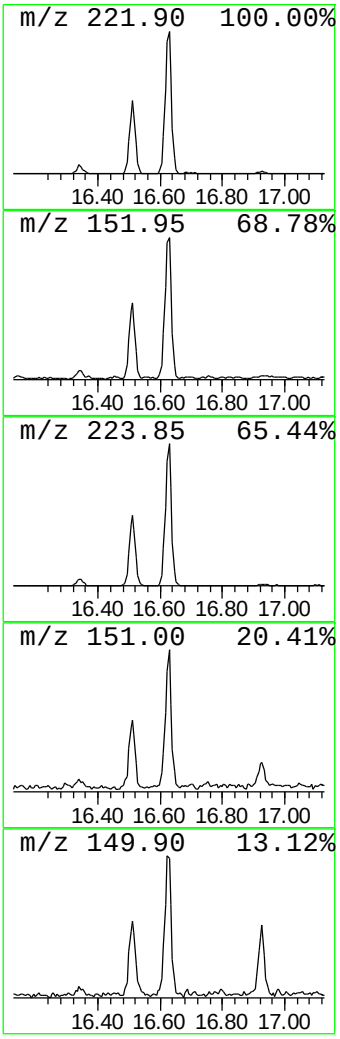
Peak Number 15 1,1'-Biphenyl, 2,4-dichloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	9.60 ng/ul	799691	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	98
4	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95





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Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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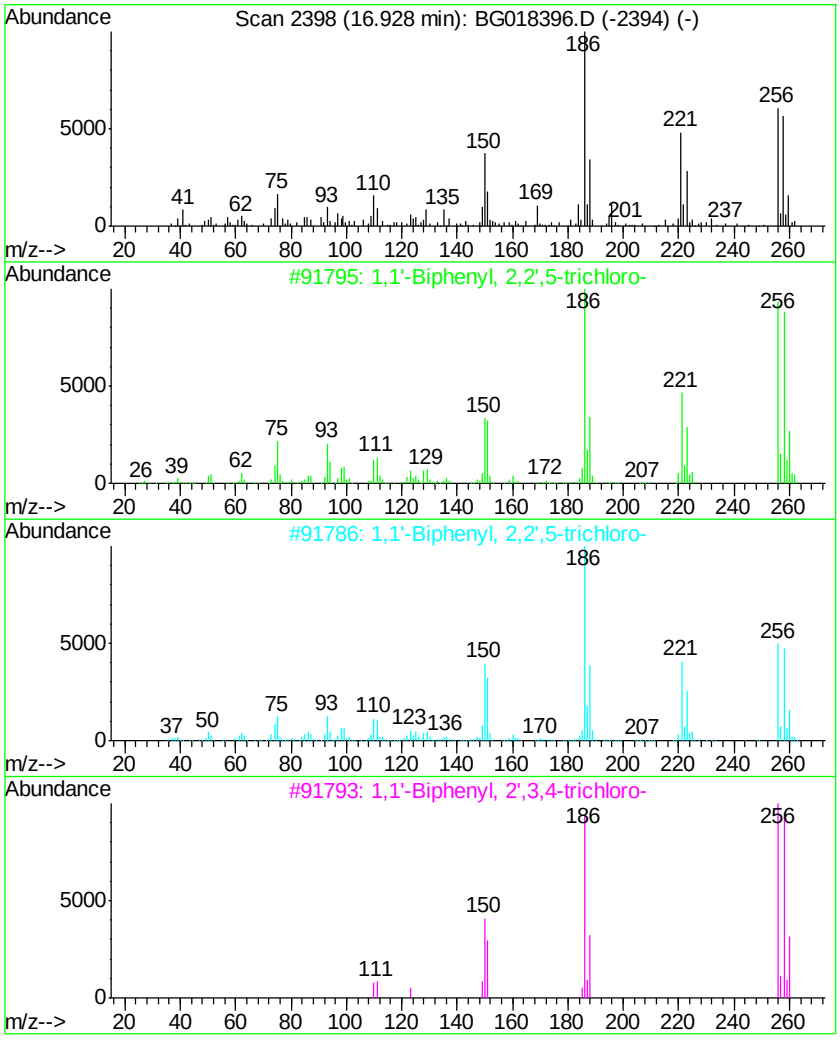
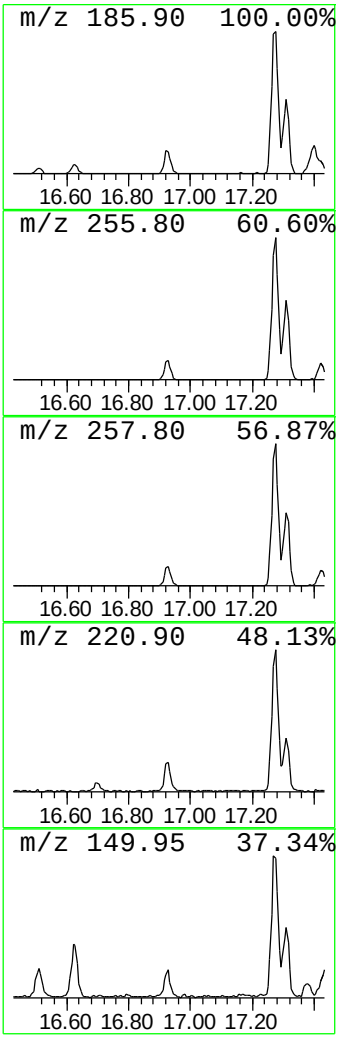
Peak Number 16 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	2.79 ng/ul	232325	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	93
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	83
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	83
4	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	56
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	53





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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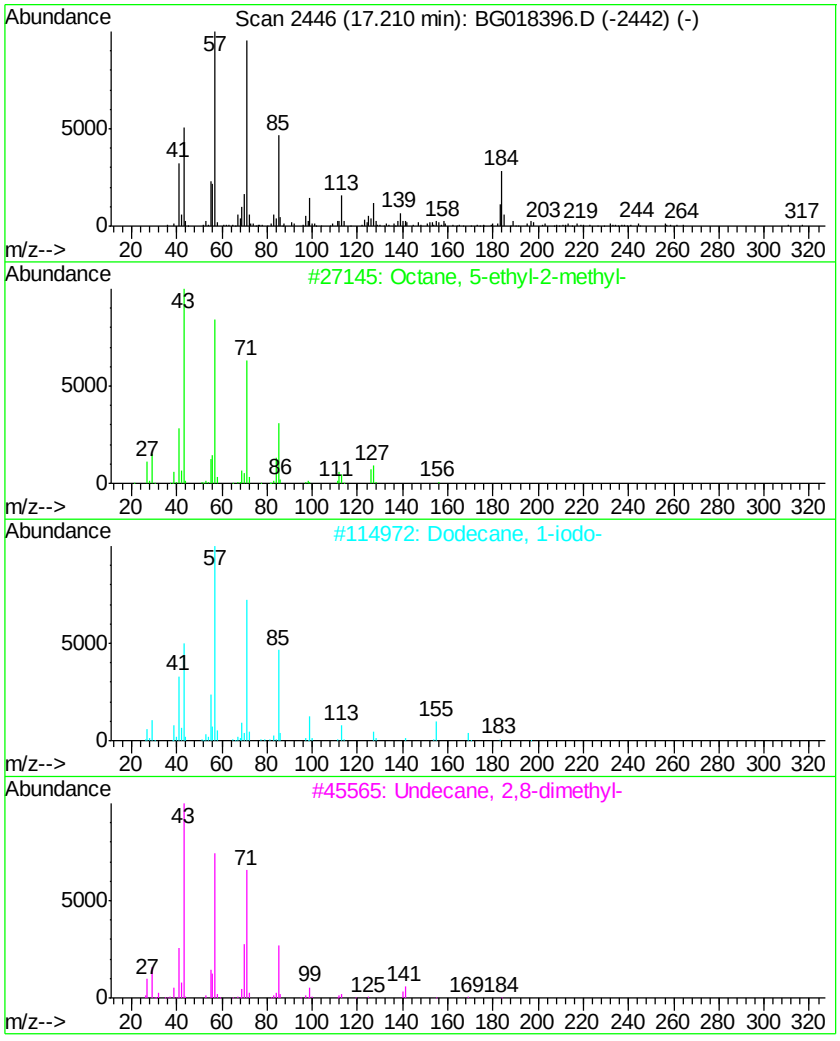
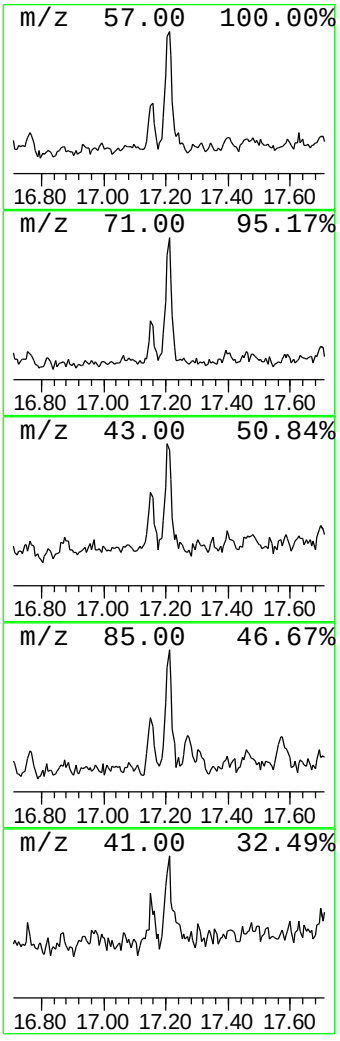
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	2.83 ng/ul	235551	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	68
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
3	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	59
4	Hexadecane	226	C16H34	000544-76-3	58
5	Decane, 3-methyl-	156	C11H24	013151-34-3	52





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Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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Quant Title : SVOA CALIBRATION

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

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Peak Number 19 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	7.39 ng/ul	615404	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	94
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	91
3	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	91
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	89
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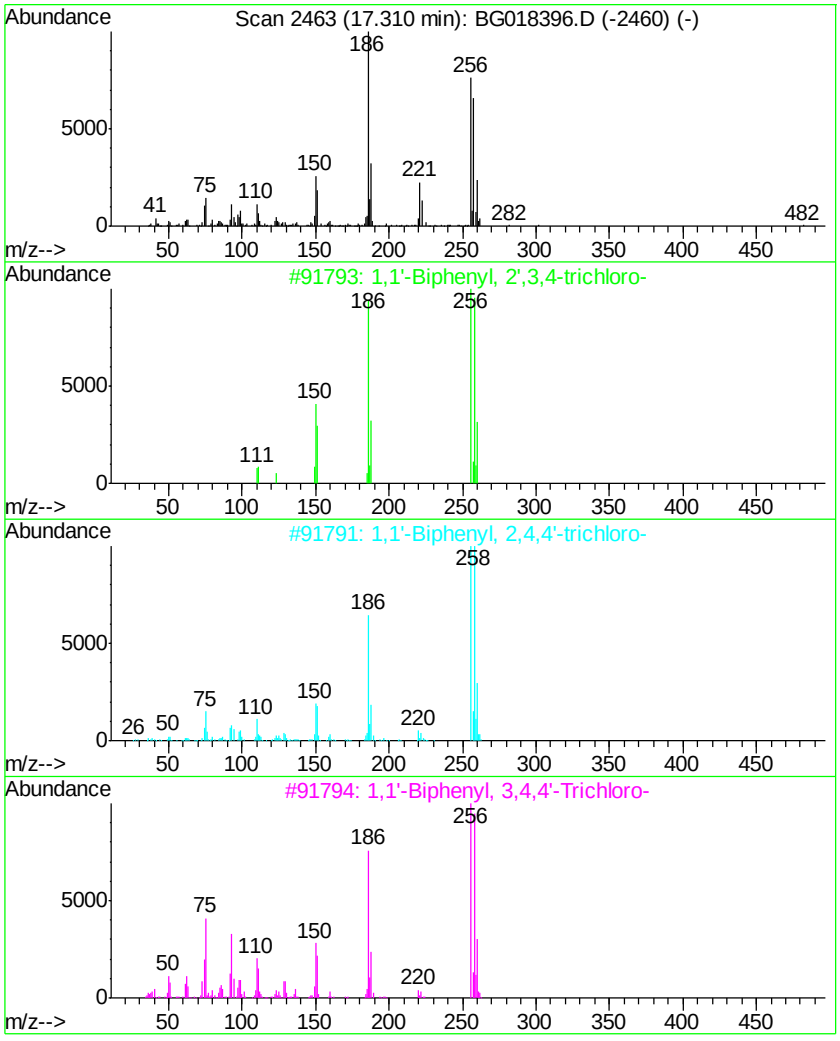

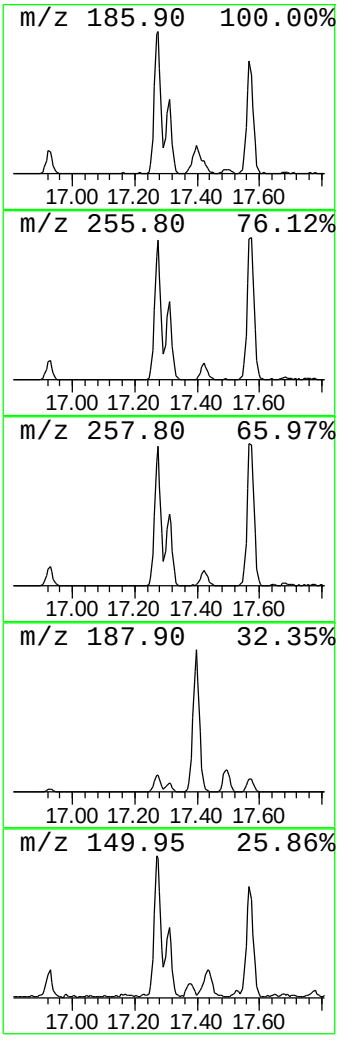

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Quant Title : SVOA CALIBRATION

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

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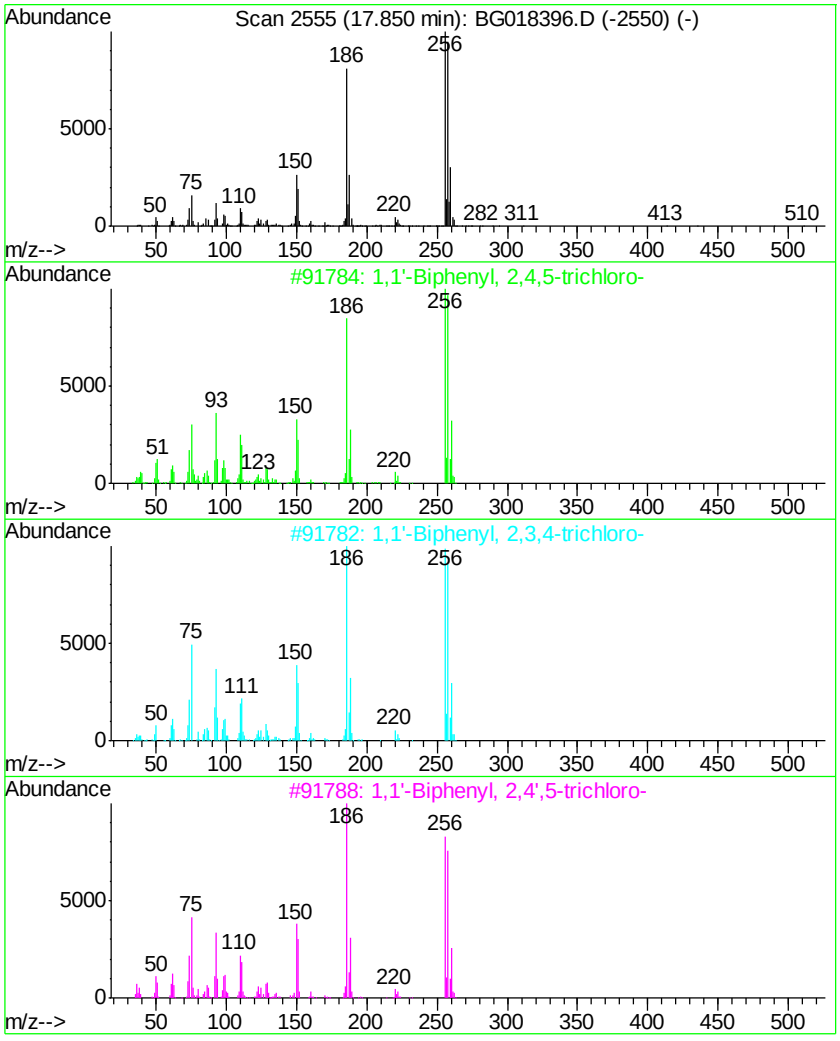
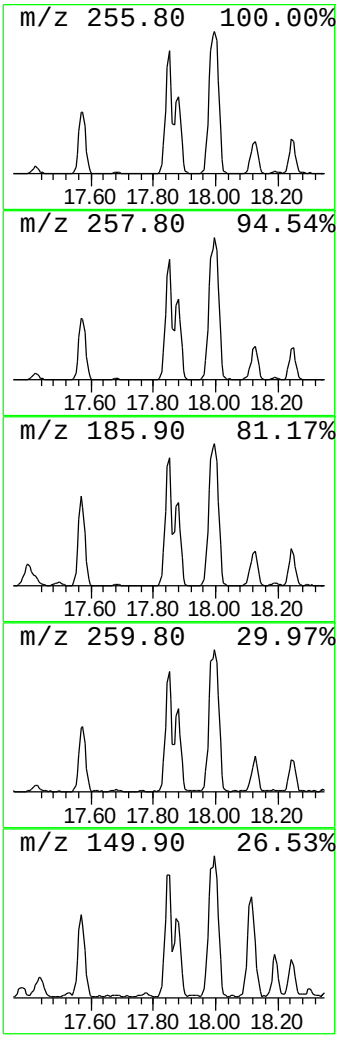
Peak Number 20 1,1'-Biphenyl, 2,4,5-trichl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	19.27 ng/ul	1604990	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
2	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96





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Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

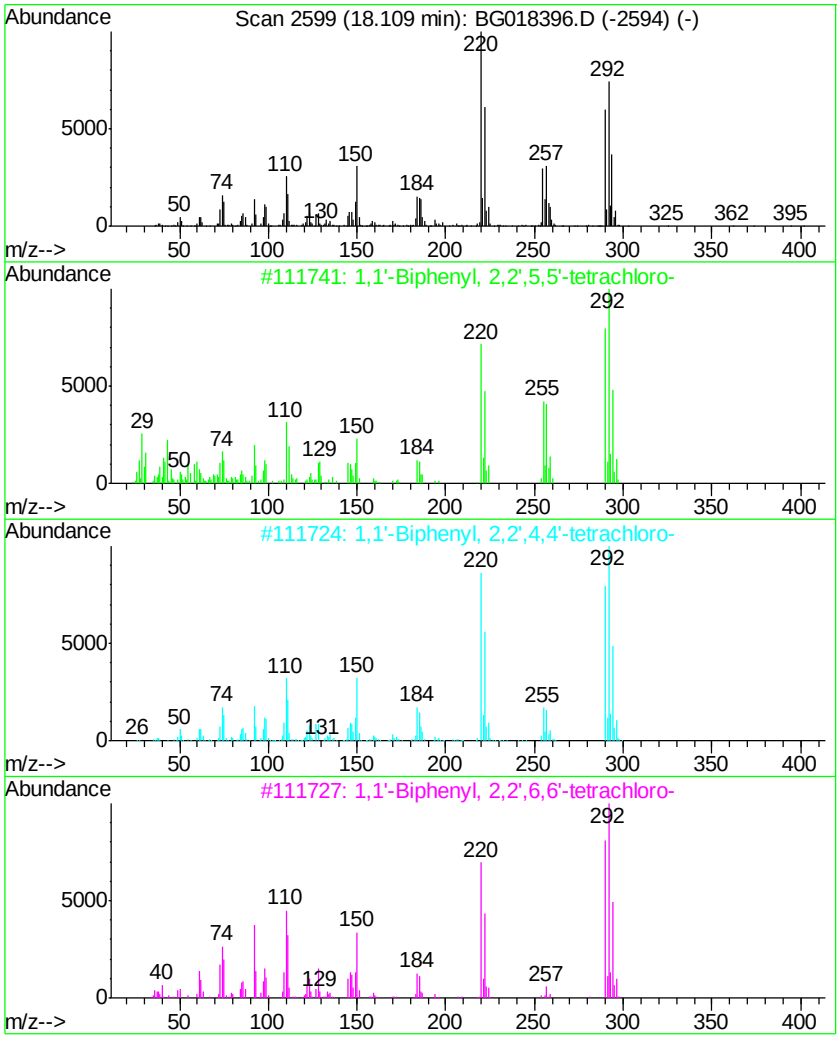
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

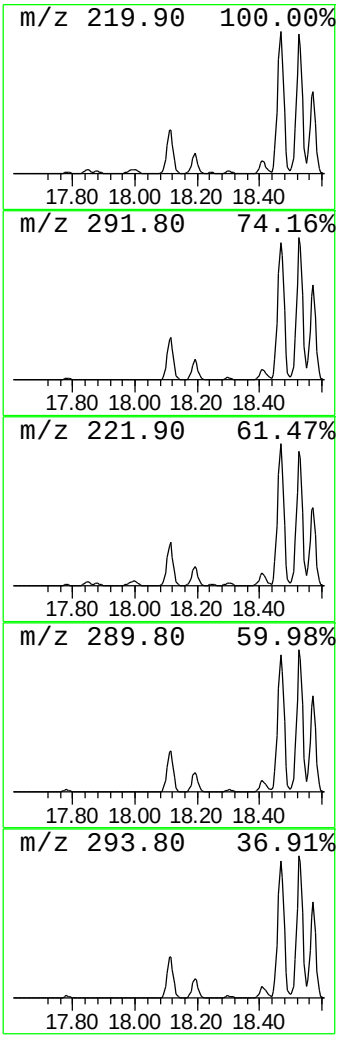
****

Peak Number 23 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	24.11 ng/ul	2008090	Phenanthrene-d10	17.40

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',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





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Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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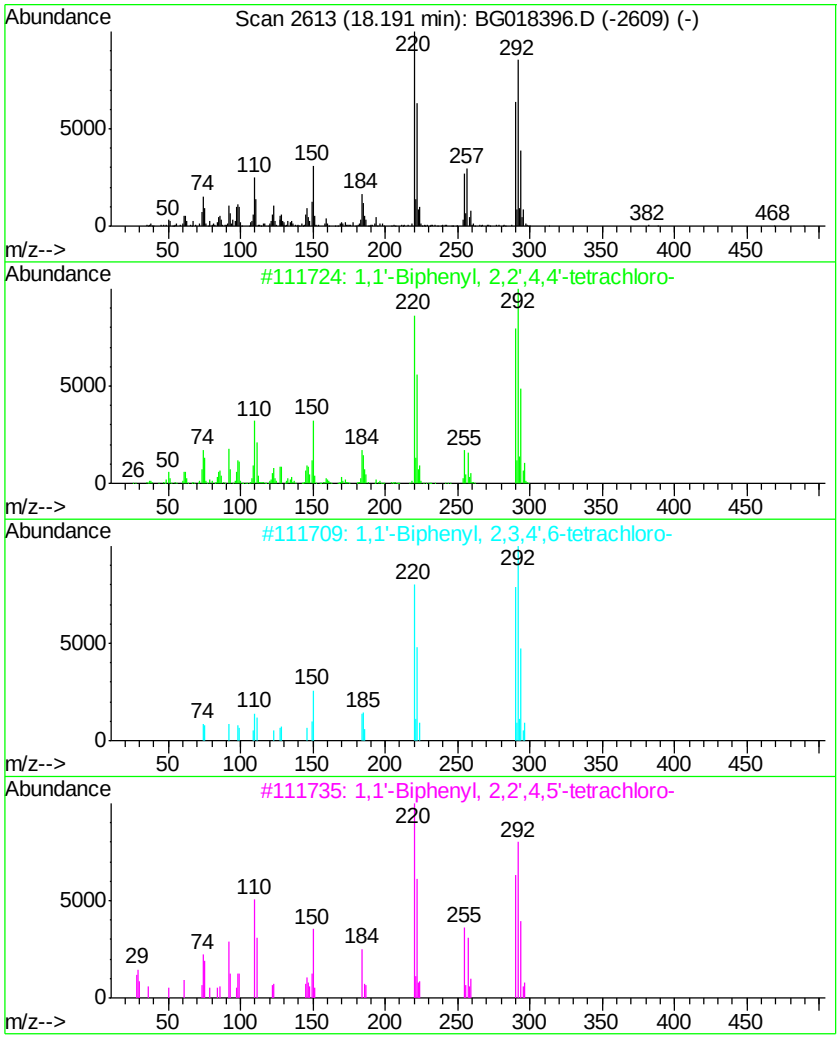
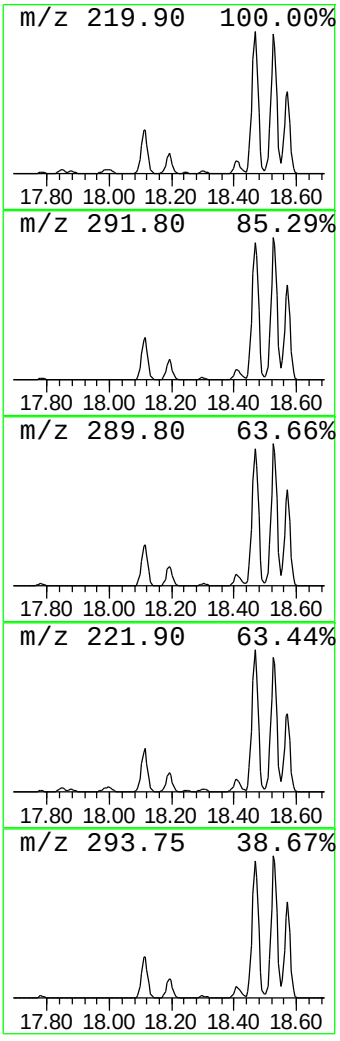
Peak Number 24 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	7.53 ng/ul	627173	Phenanthrene-d10	17.40

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





Library Search Compound Report

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Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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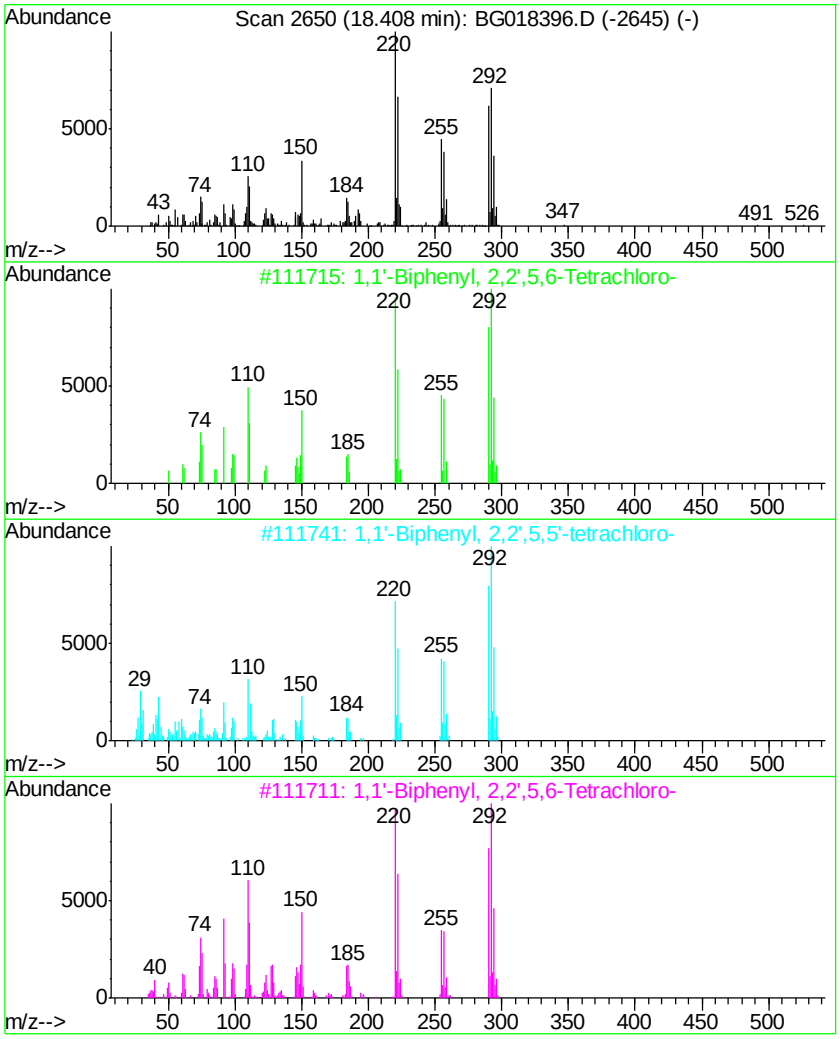
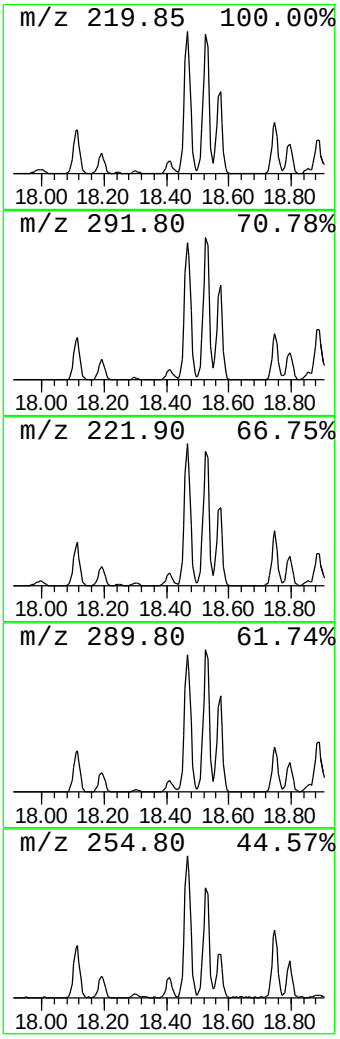
Peak Number 26 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	7.48 ng/ul	623456	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	96
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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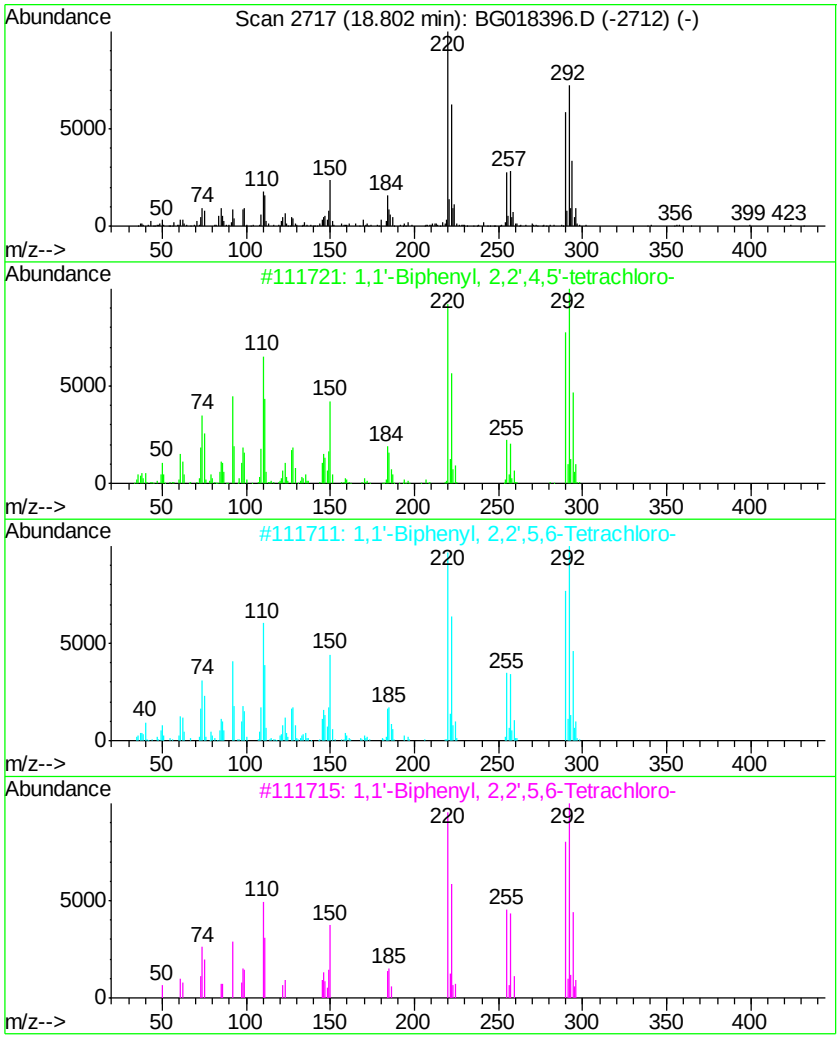
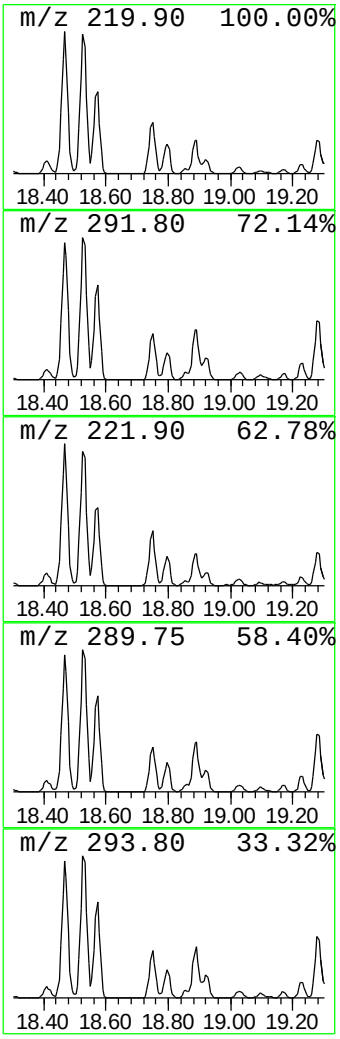
Peak Number 31 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	10.89 ng/ul	906806	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	98





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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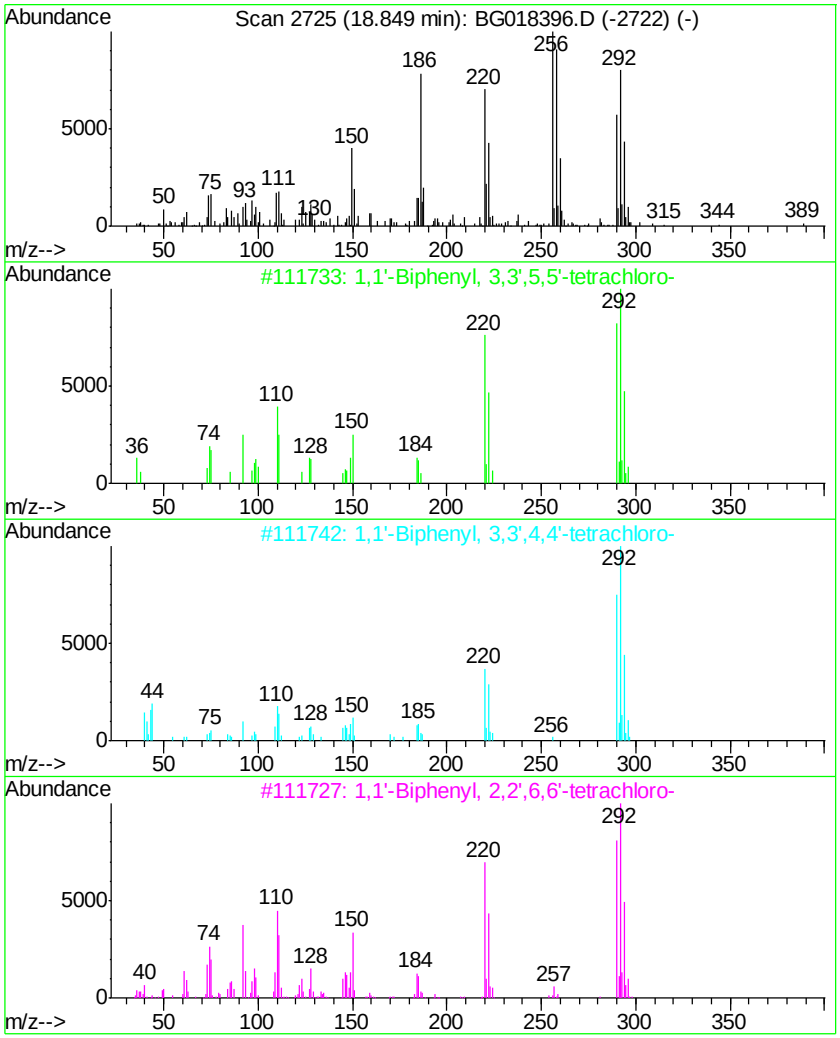
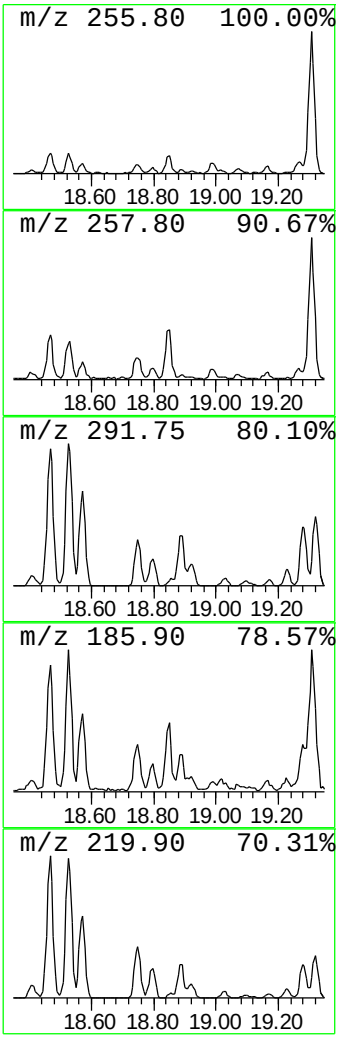
Peak Number 32 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.28 ng/ul	190092	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	95
2	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	94
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	93
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	91
5	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	90





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

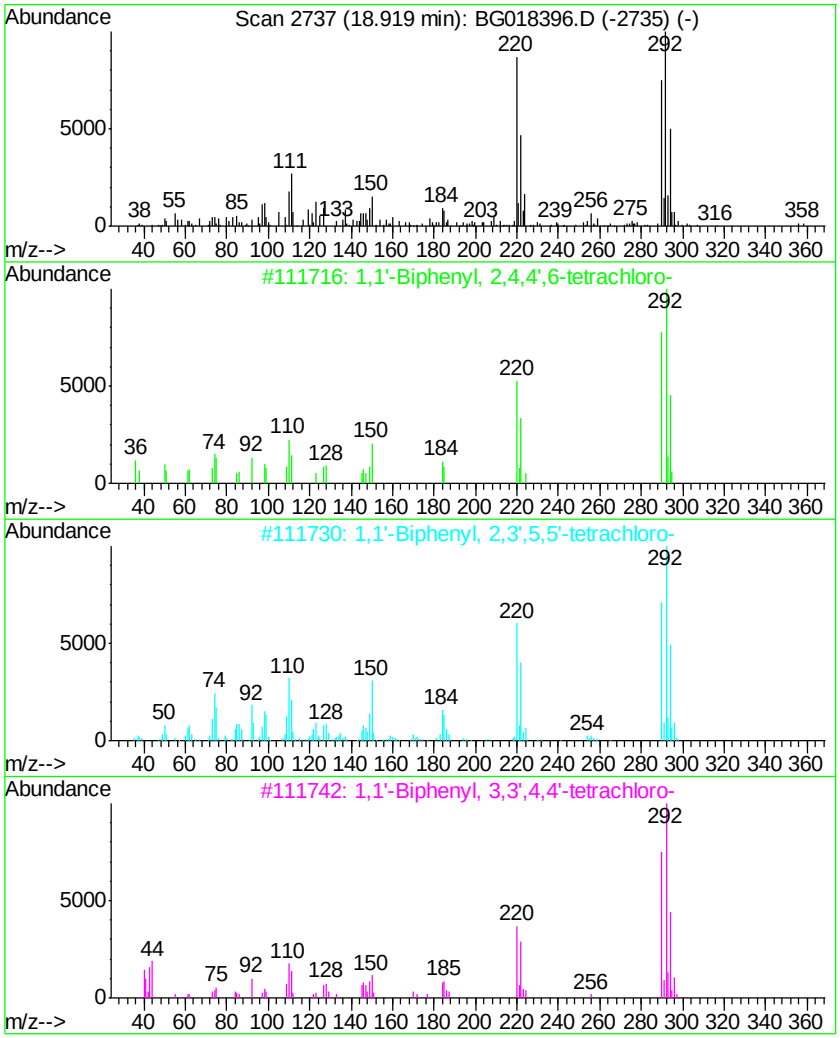
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

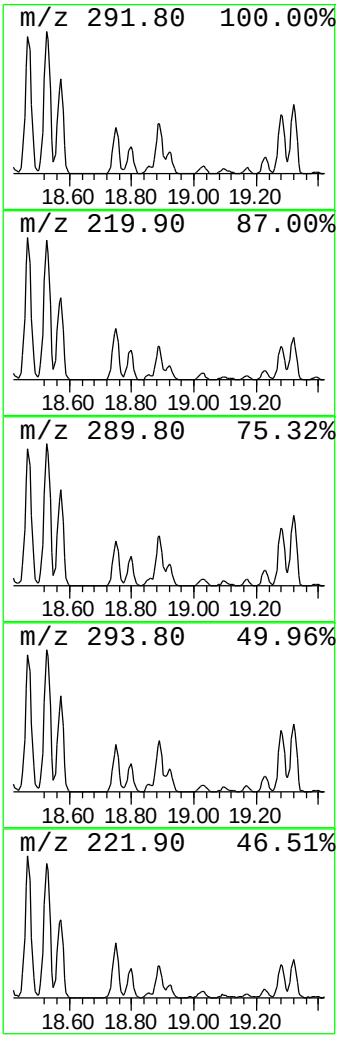
****

Peak Number 34 1,1'-Biphenyl, 2,4,4',6-tet... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	5.59 ng/ul	465514	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	94
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	94
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	93
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	91
5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	91





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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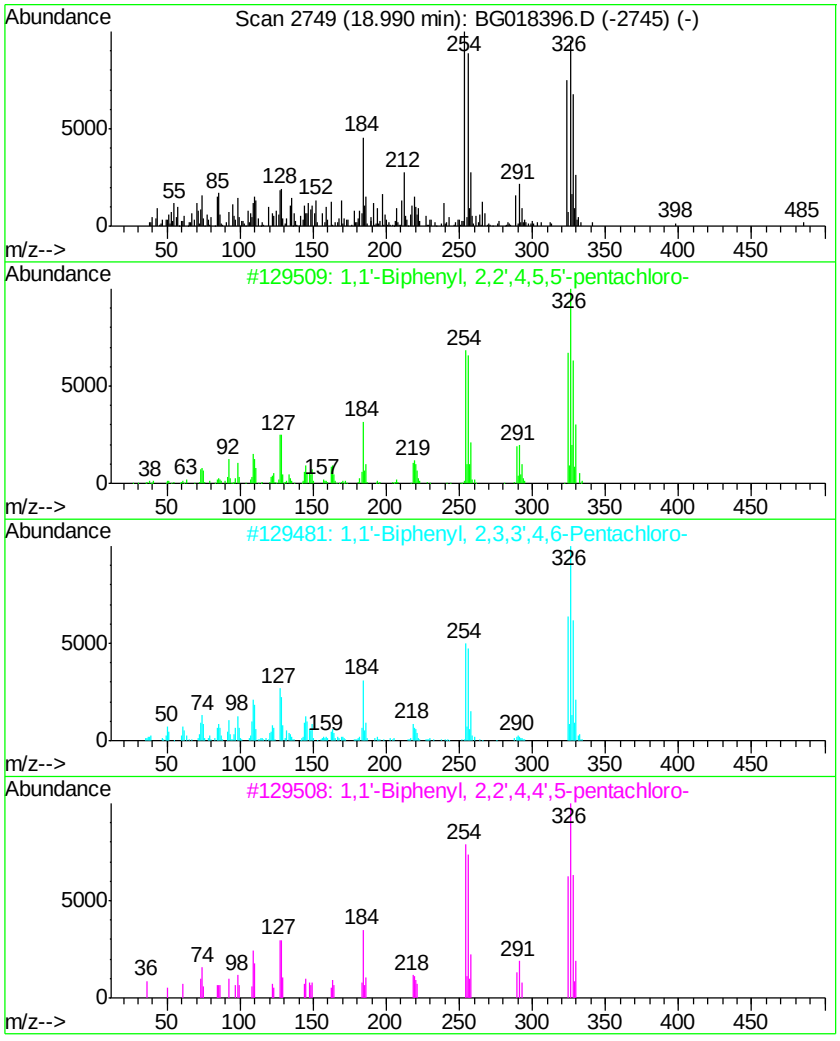
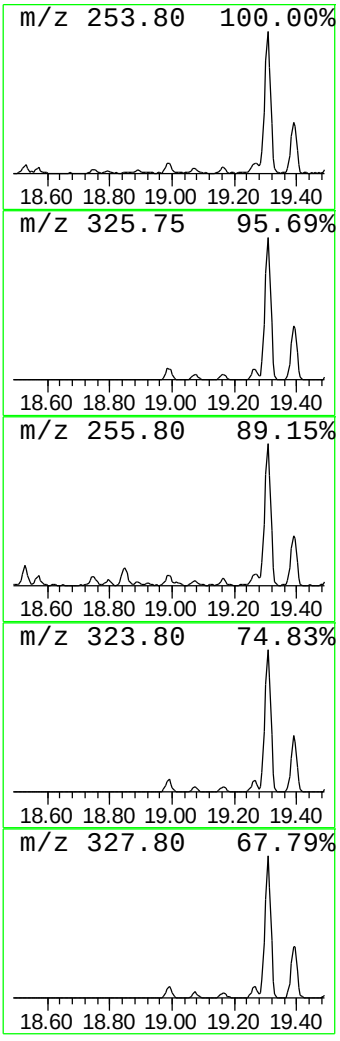
Peak Number 35 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.96 ng/ul	246748	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	95
2	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94





Library Search Compound Report

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Data File : BG018396.D
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Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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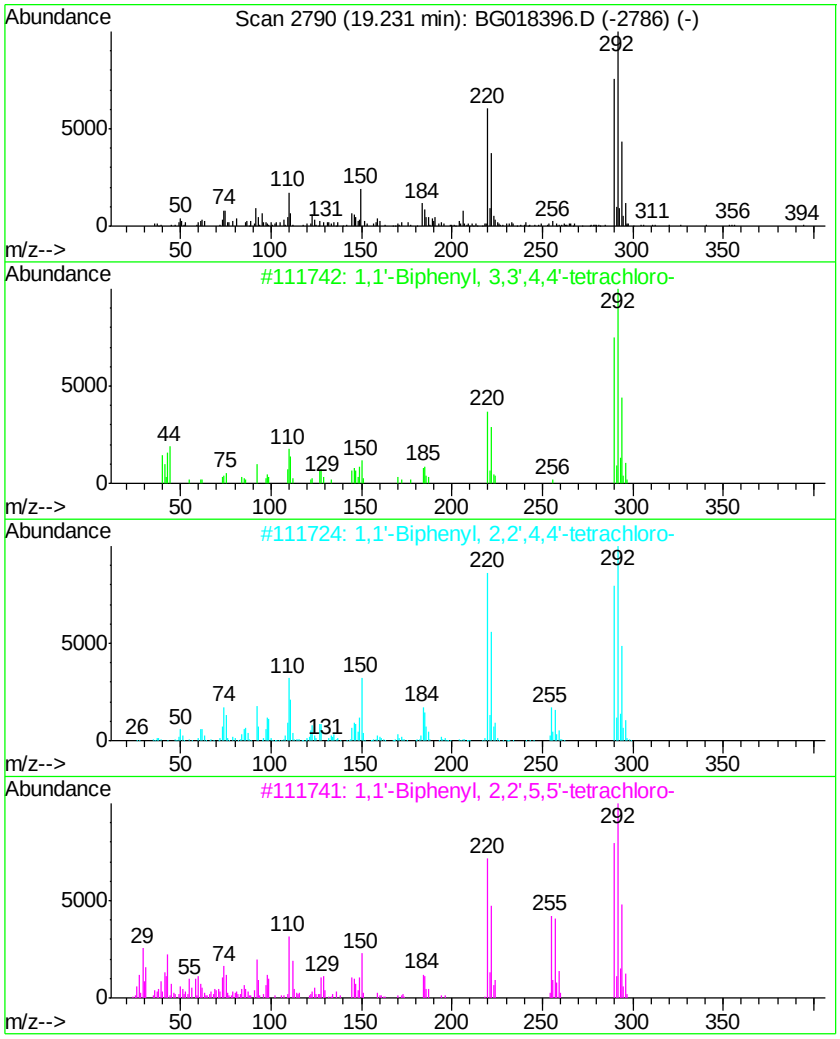
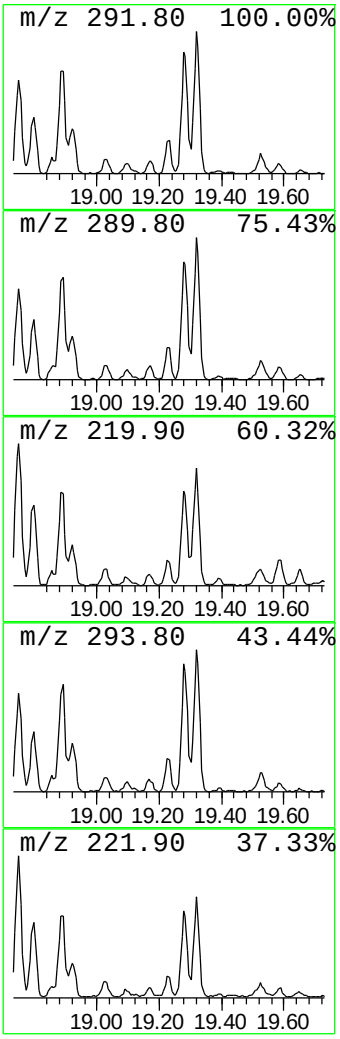
Peak Number 36 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.28 ng/ul	273253	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	96
4	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	96
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	96





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Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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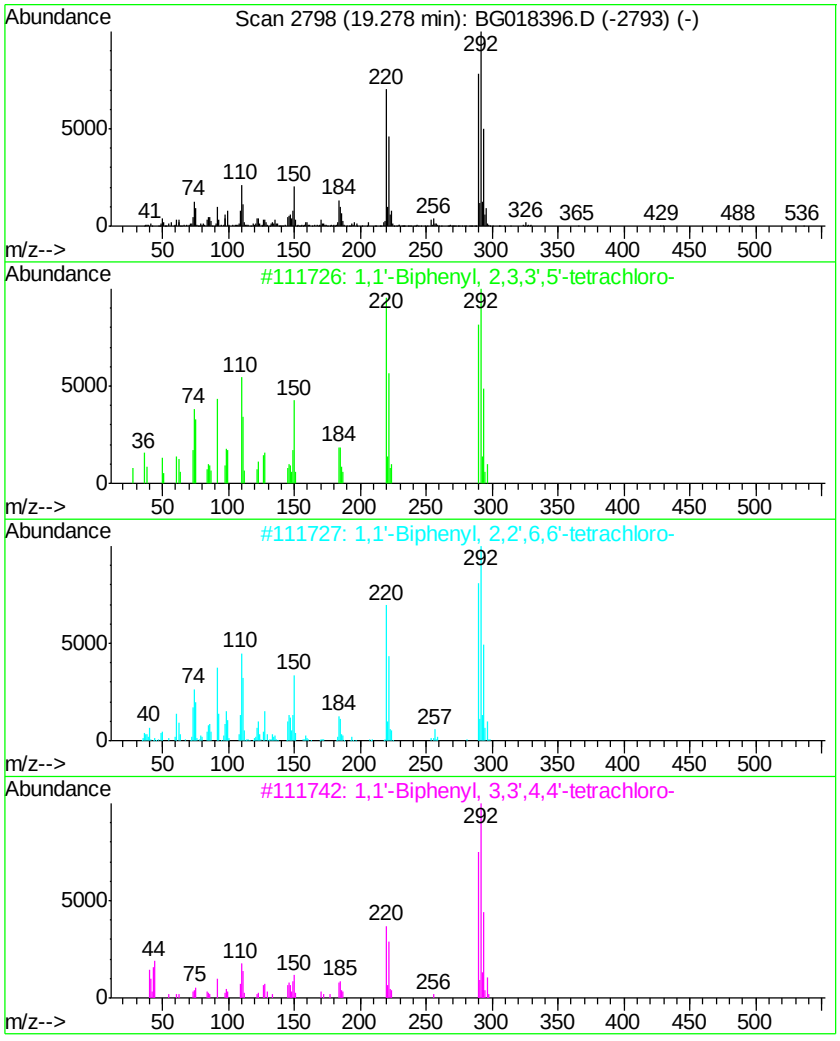
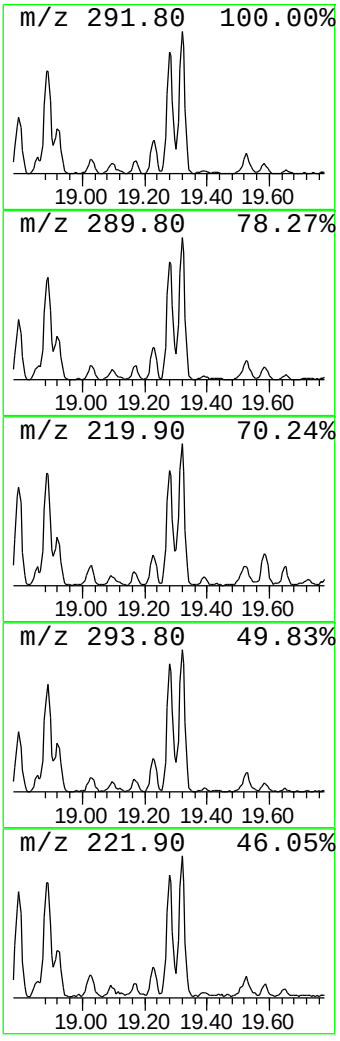
Peak Number 37 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	17.54 ng/ul	1460820	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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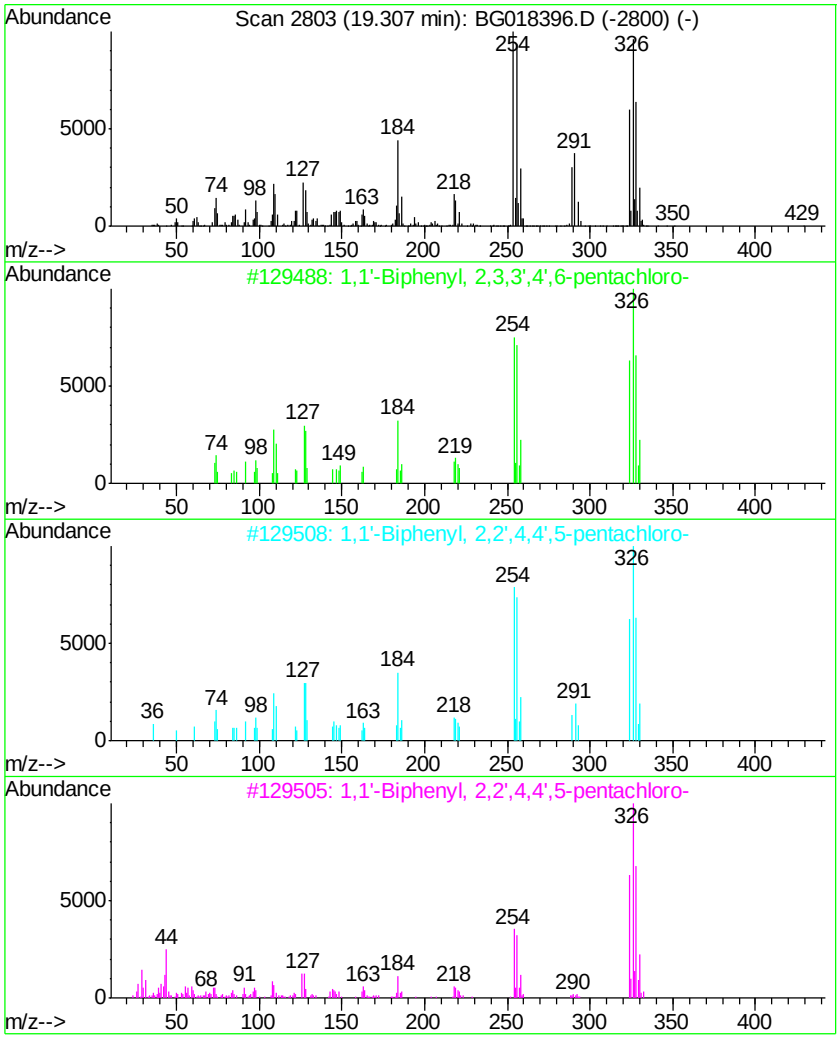
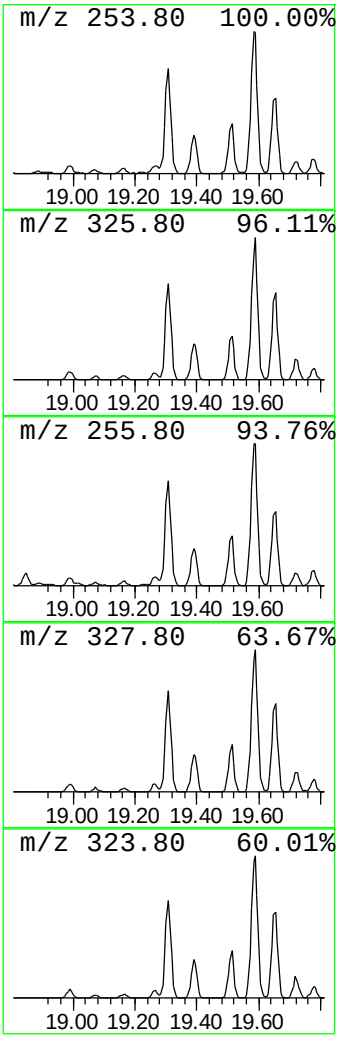
Peak Number 38 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	46.77 ng/ul	3895910	Phenanthrene-d10	17.40

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',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97
4	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	97
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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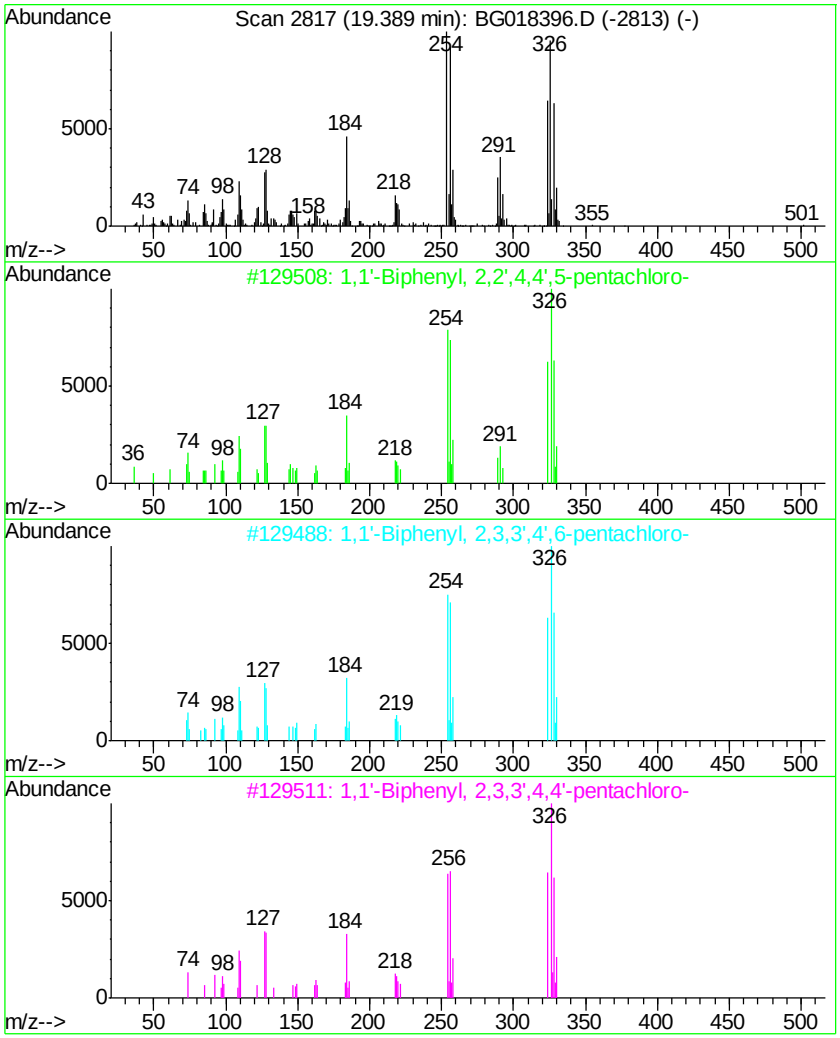
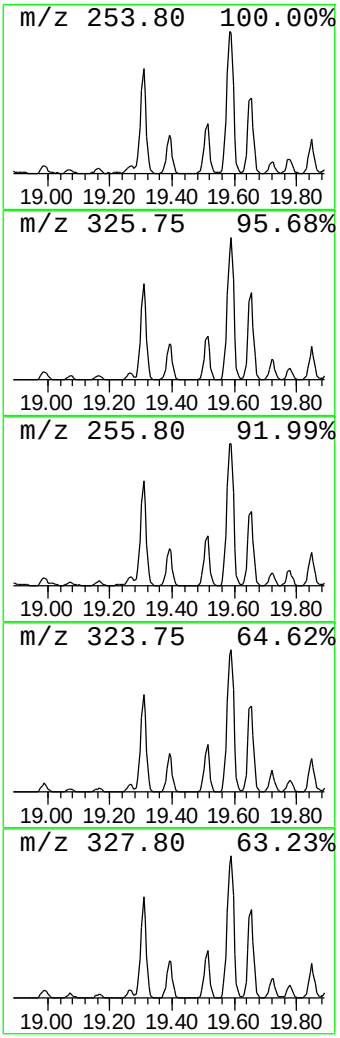
Peak Number 39 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	11.39 ng/ul	949070	Phenanthrene-d10	17.40

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, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	97





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Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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

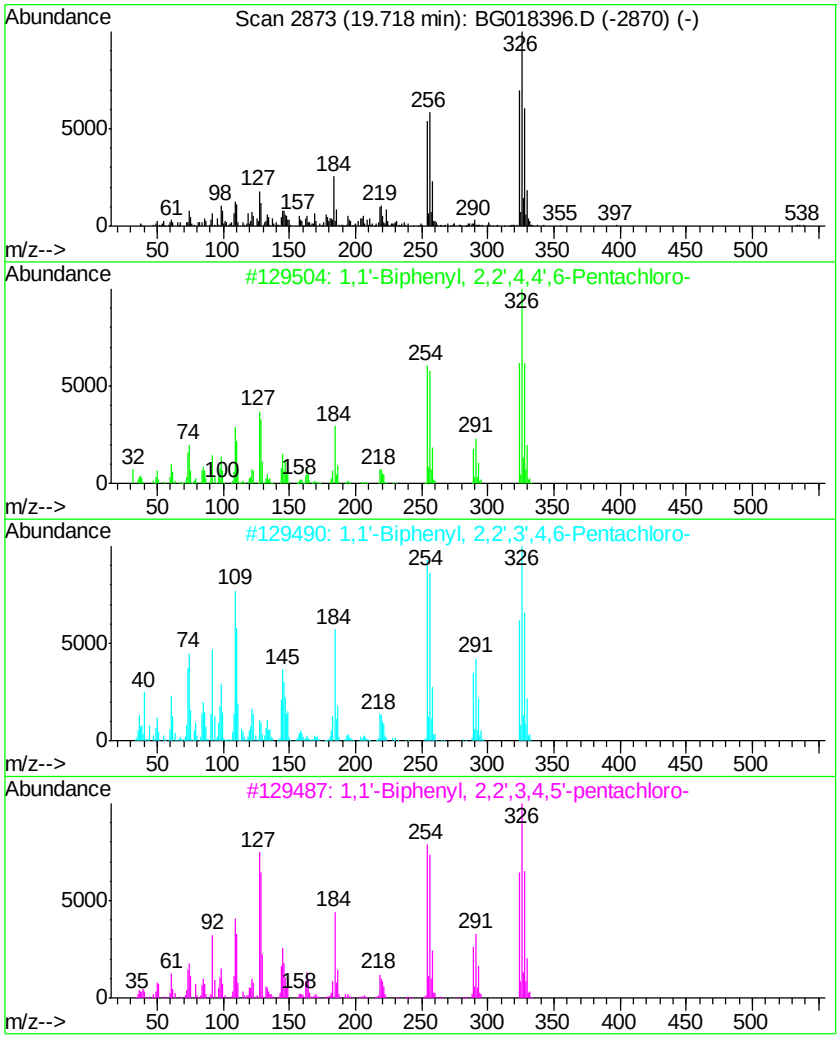
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

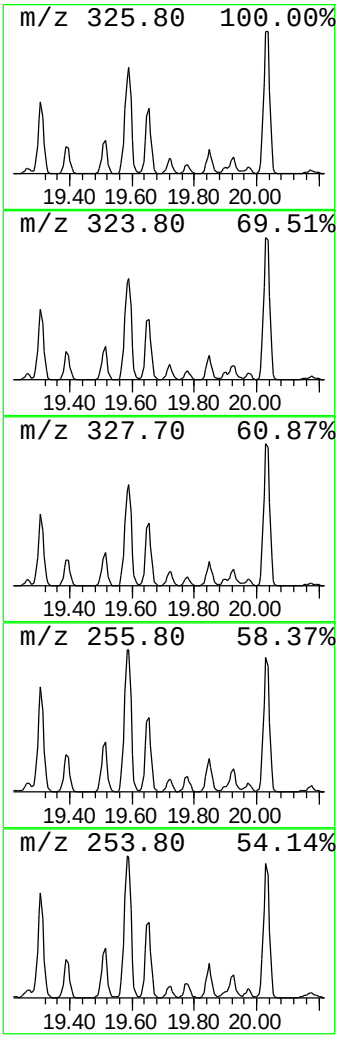
****

Peak Number 43 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	4.97 ng/ul	282731	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
2	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	95
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	95
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	95
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	94





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Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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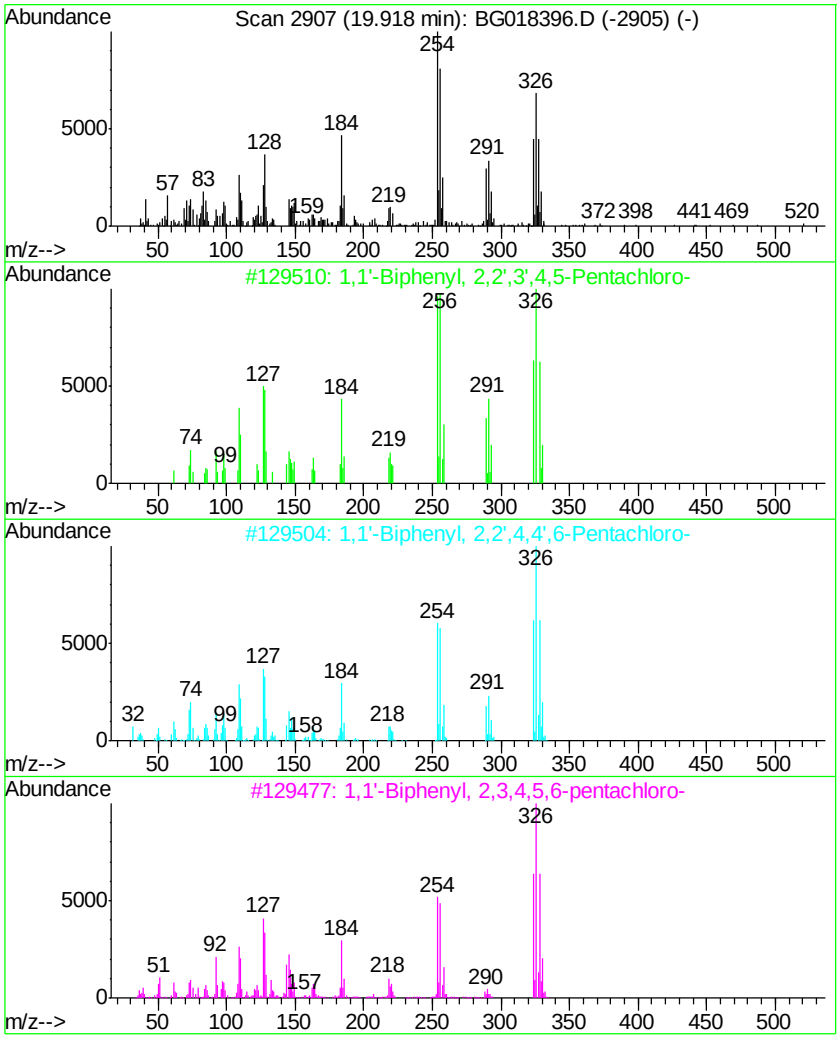
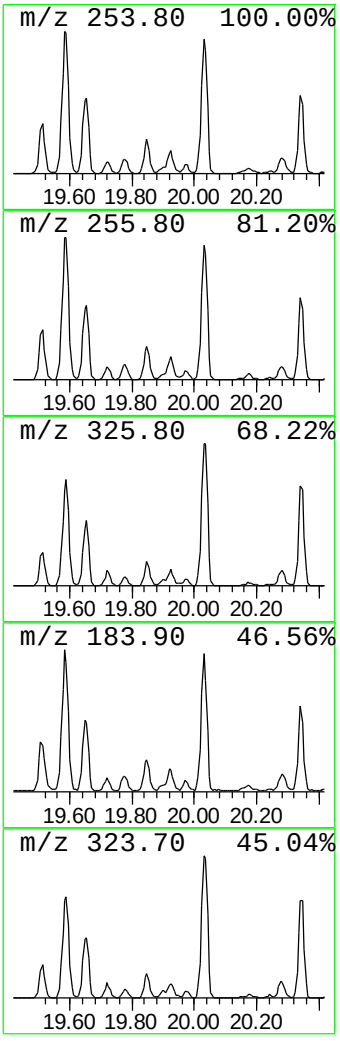
Peak Number 44 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	7.56 ng/ul	430025	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96
2	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
3	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	94
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	94
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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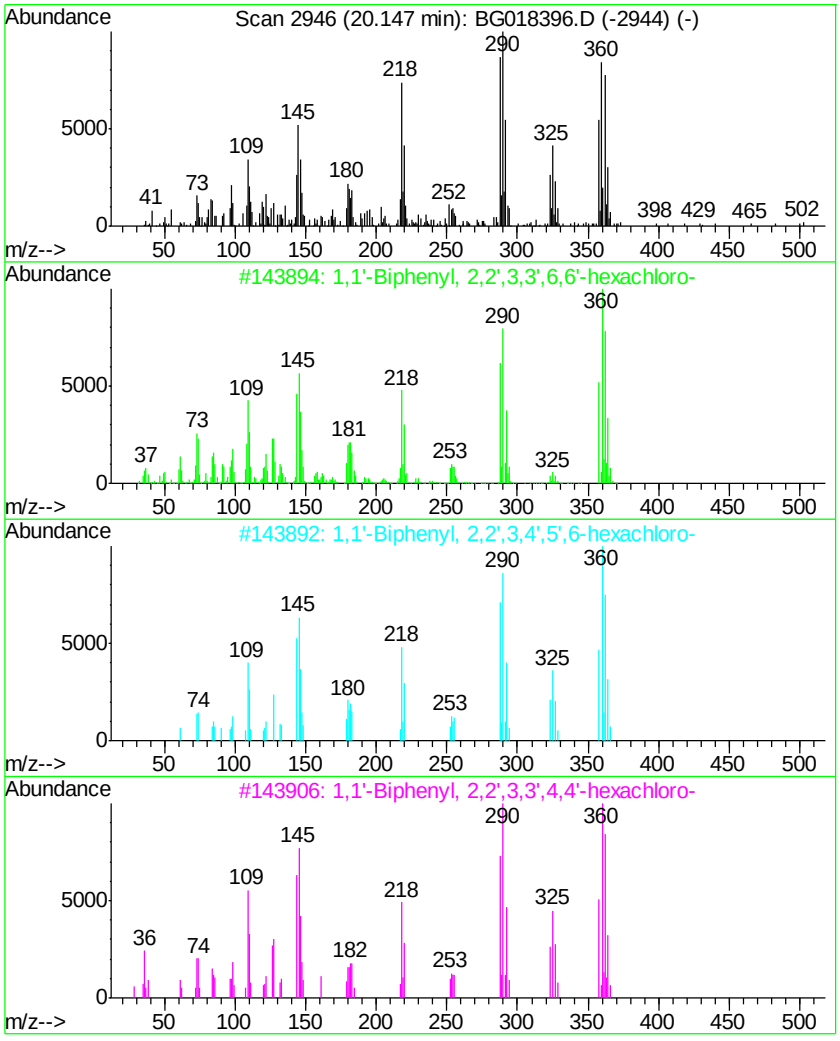
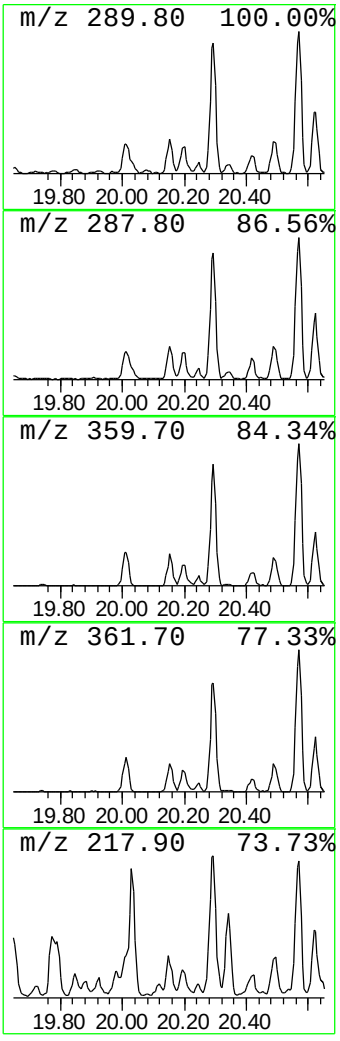
Peak Number 46 1,1'-Biphenyl, 2,2',3,3',6,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	6.60 ng/ul	375139	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	98





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Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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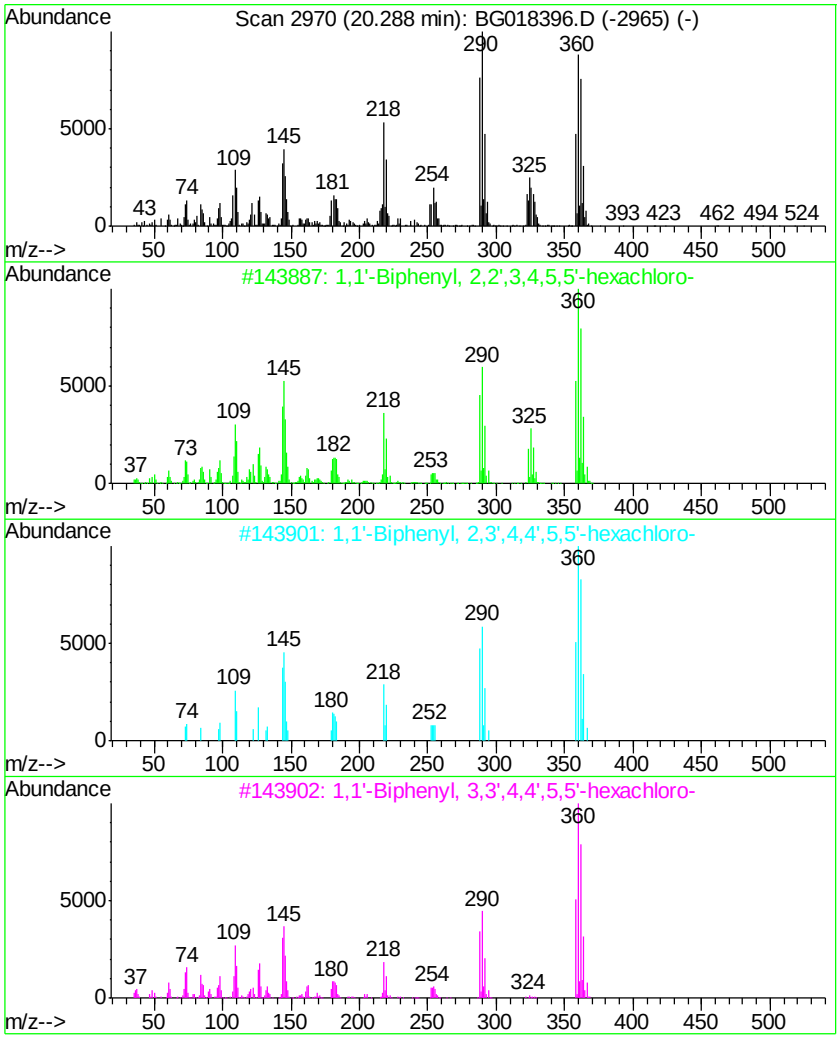
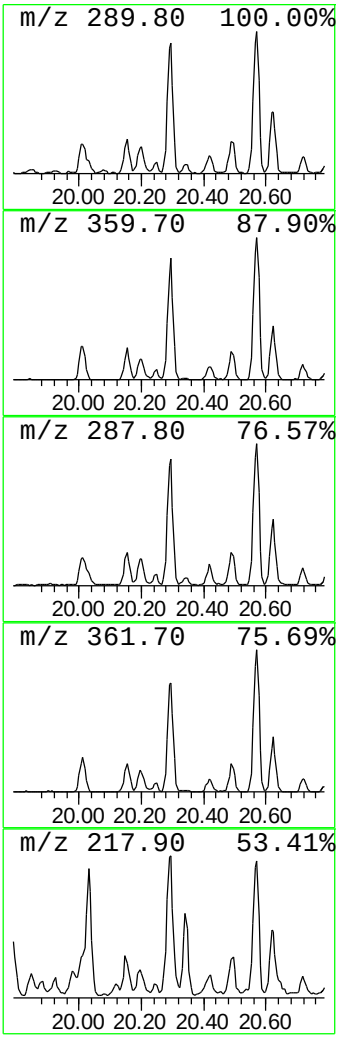
Peak Number 47 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	36.44 ng/ul	2072310	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





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Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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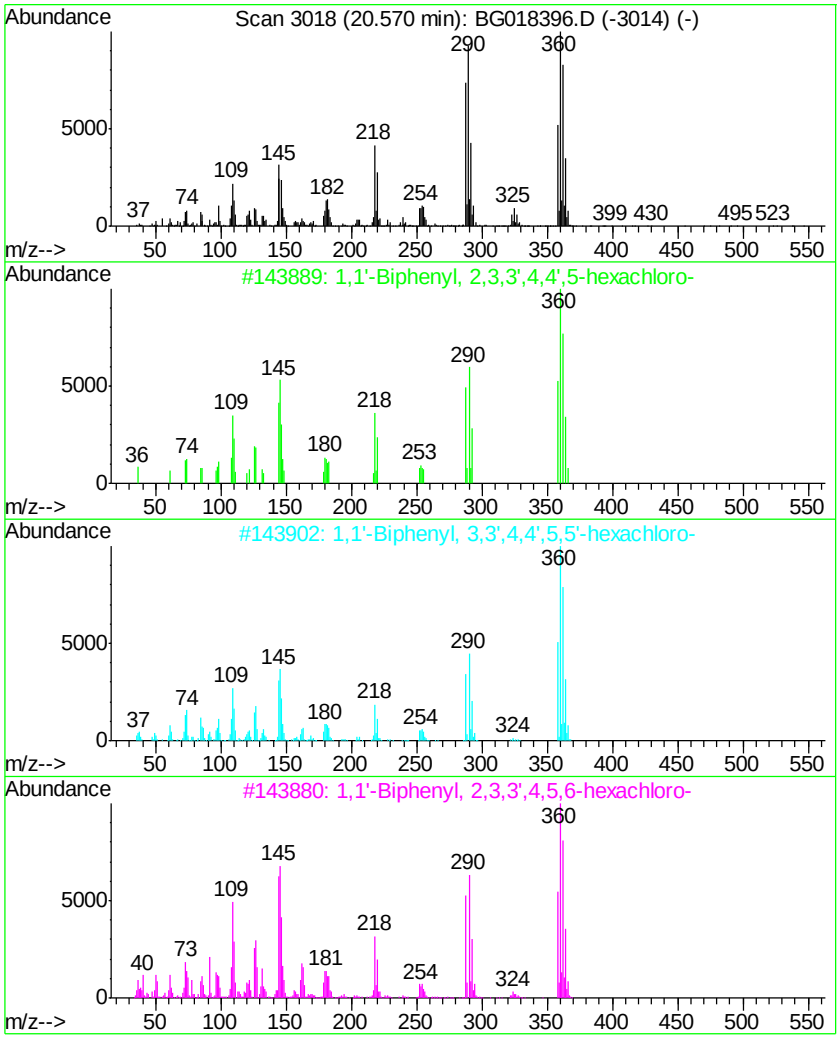
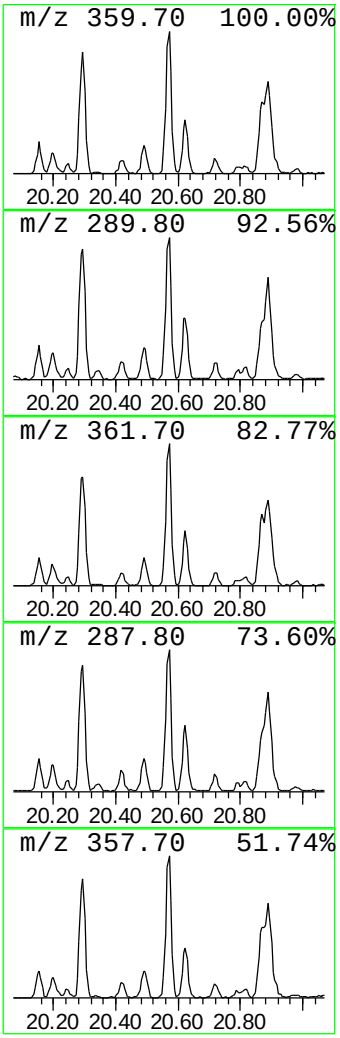
Peak Number 49 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	28.90 ng/ul	1643420	Chrysene-d12	21.66

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, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	98
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	97
4	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	96
5	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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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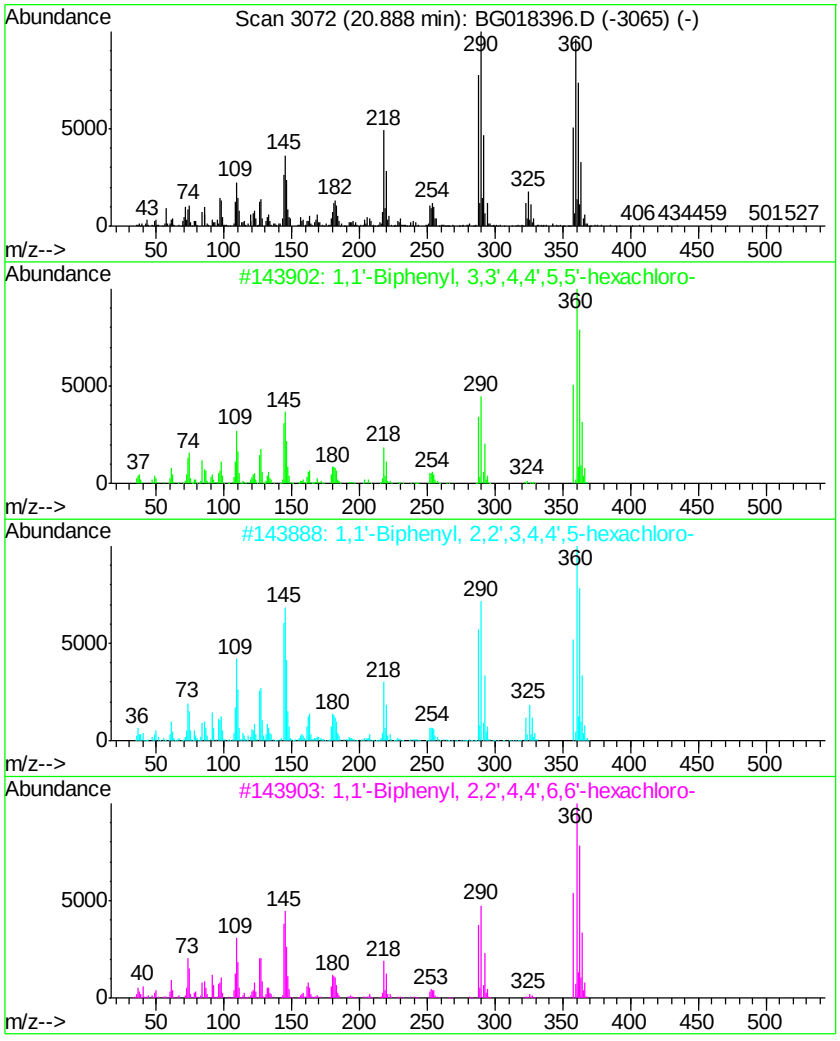
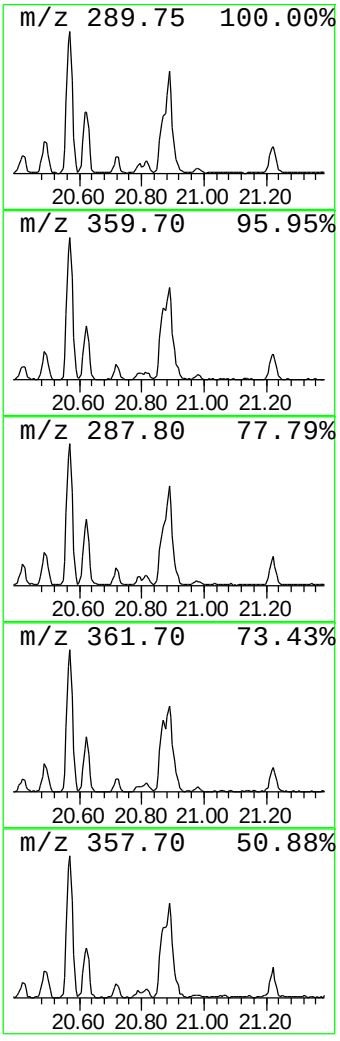
Peak Number 51 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	33.96 ng/ul	1931470	Chrysene-d12	21.66

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, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	98
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	94
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081215\
Data File : BG018396.D
Acq On : 12 Aug 2015 11:49
Operator : UM/MA
Sample : G3109-13 DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9DL

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: Str...	7.02	2.3	ng/ul	60481	1	8.03	534133	20.0
Benzene, 1-ethyl-...	7.12	2.2	ng/ul	57961	1	8.03	534133	20.0
Benzene, 1,2,4-tr...	7.25	2.4	ng/ul	63266	1	8.03	534133	20.0
Benzene, 1,3,5-tr...	7.67	5.4	ng/ul	143931	1	8.03	534133	20.0
Benzene, 1,2,3,4-...	9.13	2.3	ng/ul	62584	1	8.03	534133	20.0
(DEL) Alkane: Str...	9.25	3.5	ng/ul	92702	1	8.03	534133	20.0
Benzene, 1,2,3-tr...	10.69	2.5	ng/ul	109711	2	10.83	872458	20.0
(DEL) Alkane: Str...	14.55	2.3	ng/ul	154273	3	14.65	1347710	20.0
1,1'-Biphenyl, 2,...	15.91	8.1	ng/ul	543240	3	14.65	1347710	20.0
(DEL) Alkane: Str...	16.39	5.5	ng/ul	460902	4	17.40	1665980	20.0
1,1'-Biphenyl, 3,...	16.51	5.5	ng/ul	458144	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	16.63	9.6	ng/ul	799691	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	16.93	2.8	ng/ul	232325	4	17.40	1665980	20.0
(DEL) Alkane: Str...	17.21	2.8	ng/ul	235551	4	17.40	1665980	20.0
1,1'-Biphenyl, 2'...	17.31	7.4	ng/ul	615404	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	17.85	19.3	ng/ul	1604990	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	18.11	24.1	ng/ul	2008090	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	18.19	7.5	ng/ul	627173	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	18.41	7.5	ng/ul	623456	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	18.80	10.9	ng/ul	906806	4	17.40	1665980	20.0
1,1'-Biphenyl, 3,...	18.85	2.3	ng/ul	190092	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	18.92	5.6	ng/ul	465514	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	18.99	3.0	ng/ul	246748	4	17.40	1665980	20.0
1,1'-Biphenyl, 3,...	19.23	3.3	ng/ul	273253	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	19.28	17.5	ng/ul	1460820	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	19.31	46.8	ng/ul	3895910	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	19.39	11.4	ng/ul	949070	4	17.40	1665980	20.0
1,1'-Biphenyl, 2,...	19.72	5.0	ng/ul	282731	5	21.66	1137430	20.0
1,1'-Biphenyl, 2,...	19.92	7.6	ng/ul	430025	5	21.66	1137430	20.0
1,1'-Biphenyl, 2,...	20.15	6.6	ng/ul	375139	5	21.66	1137430	20.0
1,1'-Biphenyl, 2,...	20.29	36.4	ng/ul	2072310	5	21.66	1137430	20.0
1,1'-Biphenyl, 2,...	20.57	28.9	ng/ul	1643420	5	21.66	1137430	20.0
1,1'-Biphenyl, 3,...	20.89	34.0	ng/ul	1931470	5	21.66	1137430	20.0