LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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	5.351	420	428	439	rBV	3598047	6315370	16.49%	1.126%
2	5.545	452	461	470	rVB	453237	740032	1.93%	0.132%
3	5.680	476	484	495	rBV	1006881	2034863	5.31%	0.363%
4	6.051	532	547	555	rBV2	289869	682309	1.78%	0.122%
5	7.020	704	712	719	rBV	217651	413335	1.08%	0.074%
6	7.126	719	730	735	rVV	608670	980335	2.56%	0.175%
7	7.190	735	741	747	rVV2	436212	774012	2.02%	0.138%
8	7.261	747	753	760	rVB	396577	638763	1.67%	0.114%
9	7.431	777	782	786	rBV	217284	344665	0.90%	0.061%
10	7.690	816	826	833	rVV	1010541	1909483	4.99%	0.341%
11	7.931	859	867	875	rVV	2011143	3465848	9.05%	0.618%
12	8.078	875	892	900	rVV	4562641	8814995	23.01%	1.572%
13	8.154	900	905	914	rVB2	263904	471561	1.23%	0.084%
14	8.507	955	965	973	rBV4	127441	417864	1.09%	0.075%
15	8.677	989	994	1000	rBV2	244918	441009	1.15%	0.079%
16	9.147	1065	1074	1078	rBV	258747	481392	1.26%	0.086%
17	9.270	1086	1095	1102	rVB	382540	645672	1.69%	0.115%
18	10.011	1211	1221	1224	rBV4	291736	831469	2.17%	0.148%
19	10.257	1256	1263	1268	rVV7	231629	678228	1.77%	0.121%
20	10.310	1268	1272	1278	rVV	308591	565905	1.48%	0.101%
21	10.463	1289	1298	1307	rVB5	292485	671307	1.75%	0.120%
22	10.704	1329	1339	1347	rBV2	365881	806831	2.11%	0.144%
23	10.845	1352	1363	1367	rBV2	633939	1565807	4.09%	0.279%
24	10.892	1367	1371	1379	rVV	466709	878276	2.29%	0.157%
25	11.262	1430	1434	1441	rVB2	213970	369161	0.96%	0.066%
26	11.403	1450	1458	1465	rBV2	244073	455414	1.19%	0.081%
27	12.496	1638	1644	1650	rVB	344112	605280	1.58%	0.108%
28	12.713	1676	1681	1691	rBV	222030	383555	1.00%	0.068%
29	13.495	1810	1814	1821	rVB2	397509	634193	1.66%	0.113%
30	13.982	1892	1897	1903	rVV2	360238	803980	2.10%	0.143%
31	14.065	1903	1911	1913	rVV2	341398	786300	2.05%	0.140%
32	14.094	1913	1916	1922	rVV2	380056	776020	2.03%	0.138%
33	14.147	1922	1925	1929	rVB2	318655	432836	1.13%	0.077%
34	14.212	1930	1936	1941	rVV6	174268	445790	1.16%	0.080%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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	14.359	1957	1961	1964	rVV	388552	551509	1.44%	0.098%
36	14.400	1964	1968	1976	rVB3	1050780	1703917	4.45%	0.304%
37	14.500	1981	1985	1991	rVB2	507620	773366	2.02%	0.138%
38	14.564	1991	1996	2003	rBV3	446102	867009	2.26%	0.155%
39	14.664	2004	2013	2014	rBV2	1016730	1728567	4.51%	0.308%
40	14.693	2014	2018	2021	rVV	1802153	2674628	6.98%	0.477%
41	14.729	2021	2024	2031	rVB	346181	512045	1.34%	0.091%
42	15.058	2076	2080	2086	rVB2	495455	788405	2.06%	0.141%
43	15.187	2098	2102	2110	rVB5	275893	481277	1.26%	0.086%
44	15.328	2123	2126	2131	rVB4	298913	423436	1.11%	0.076%
45	15.463	2144	2149	2154	rVV5	471443	889283	2.32%	0.159%
46	15.651	2177	2181	2186	rVB	468978	695975	1.82%	0.124%
47	15.710	2186	2191	2197	rBV2	587089	1026538	2.68%	0.183%
48	15.916	2221	2226	2232	rVB2	2892062	4199517	10.96%	0.749%
49	16.397	2302	2308	2313	rVB2	1181402	2217630	5.79%	0.395%
50	16.521	2324	2329	2337	rBV	2913872	4363166	11.39%	0.778%
51	16.644	2344	2350	2355	rVB	4307498	6619583	17.28%	1.181%
52	16.938	2396	2400	2404	rBV2	1410746	2084914	5.44%	0.372%
53	16.979	2404	2407	2419	rVB4	814826	1401458	3.66%	0.250%
54	17.167	2437	2439	2444	rBV2	300742	374726	0.98%	0.067%
55	17.226	2445	2449	2452	rVV	968105	1311089	3.42%	0.234%
56	17.296	2455	2461	2464	rVV2	7960512	12781176	33.37%	2.279%
57	17.331	2464	2467	2471	rVB	4009273	5087686	13.28%	0.907%
58	17.396	2474	2478	2483	rBV2	1484758	3330813	8.70%	0.594%
59	17.455	2485	2488	2494	rVB	2044830	3146627	8.22%	0.561%
60	17.590	2505	2511	2518	rVB2	5715539	9607962	25.08%	1.713%
61	17.872	2553	2559	2562	rBV	9293427	16277791	42.50%	2.903%
62	17.907	2562	2565	2571	rVB	7179793	9186953	23.99%	1.638%
63	18.025	2577	2585	2591	rVB	9500177	22604935	59.02%	4.031%
64	18.136	2598	2604	2611	rBV3	8092255	15140226	39.53%	2.700%
65	18.213	2612	2617	2621	rBV	3744135	5129636	13.39%	0.915%
66	18.266	2621	2626	2630	rBV	2840353	4024460	10.51%	0.718%
67	18.424	2649	2653	2657	rBV	2386446	3443995	8.99%	0.614%
68	18.501	2658	2666	2671	rVV	19975136	38302783	100.00%	6.831%
69	18.565	2671	2677	2680	rVV	18944850	31877978	83.23%	5.685%
70	18.606	2680	2684	2689	rVB	13731290	17752936	46.35%	3.166%
71	18.777	2707	2713	2717	rBV	8672102	13309331	34.75%	2.374%

LSC Area Percent Report

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Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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	18.818	2717	2720	2724	rVB	5039263	6260585	16.34%	1.116%
73	18.871	2726	2729	2732	rVV3	1156961	1841313	4.81%	0.328%
74	18.912	2732	2736	2739	rVV	5940261	8642506	22.56%	1.541%
75	18.941	2739	2741	2746	rVB	2591926	3215967	8.40%	0.574%
76	19.006	2749	2752	2755	rBV3	1235617	1732551	4.52%	0.309%
77	19.047	2755	2759	2765	rBV5	1358854	2522509	6.59%	0.450%
78	19.182	2779	2782	2789	rVB3	1205179	1843832	4.81%	0.329%
79	19.253	2789	2794	2797	rBV2	1638644	2764057	7.22%	0.493%
80	19.341	2800	2809	2816	rVB3	14319849	37560207	98.06%	6.698%
81	19.417	2816	2822	2826	rBV2	5549810	7976269	20.82%	1.422%
82	19.482	2828	2833	2837	rVB	2062244	3263437	8.52%	0.582%
83	19.535	2837	2842	2848	rBV4	8167019	12320346	32.17%	2.197%
84	19.617	2849	2856	2861	rVB	15533351	27753686	72.46%	4.950%
85	19.682	2862	2867	2872	rVB	11006543	13985956	36.51%	2.494%
86	19.746	2875	2878	2882	rVB2	1809002	2130879	5.56%	0.380%
87	19.805	2884	2888	2891	rVV4	2751961	4714187	12.31%	0.841%
88	19.840	2892	2894	2896	rVV	2717729	3197847	8.35%	0.570%
89	19.870	2896	2899	2903	rVB	4569569	5257253	13.73%	0.938%
90	19.946	2909	2912	2915	rVB	2786917	3182576	8.31%	0.568%
91	19.993	2916	2920	2923	rVV3	2023864	3366092	8.79%	0.600%
92	20.064	2924	2932	2936	rVB	17560821	29928096	78.14%	5.337%
93	20.175	2948	2951	2954	rBV	2252447	2659363	6.94%	0.474%
94	20.316	2970	2975	2979	rBV3	11317111	16204172	42.31%	2.890%
95	20.375	2980	2985	2988	rVB	11018567	14051702	36.69%	2.506%
96	20.516	3006	3009	3016	rVB4	2291171	3315177	8.66%	0.591%
97	20.598	3018	3023	3027	rVB	10195958	13025887	34.01%	2.323%
98	20.645	3027	3031	3034	rBV2	5906094	7840865	20.47%	1.398%
99	20.916	3070	3077	3083	rVB2	7176217	14909071	38.92%	2.659%
100	21.597	3188	3193	3202	rVB	9559531	17314059	45.20%	3.088%

Sum of corrected areas: 560735633

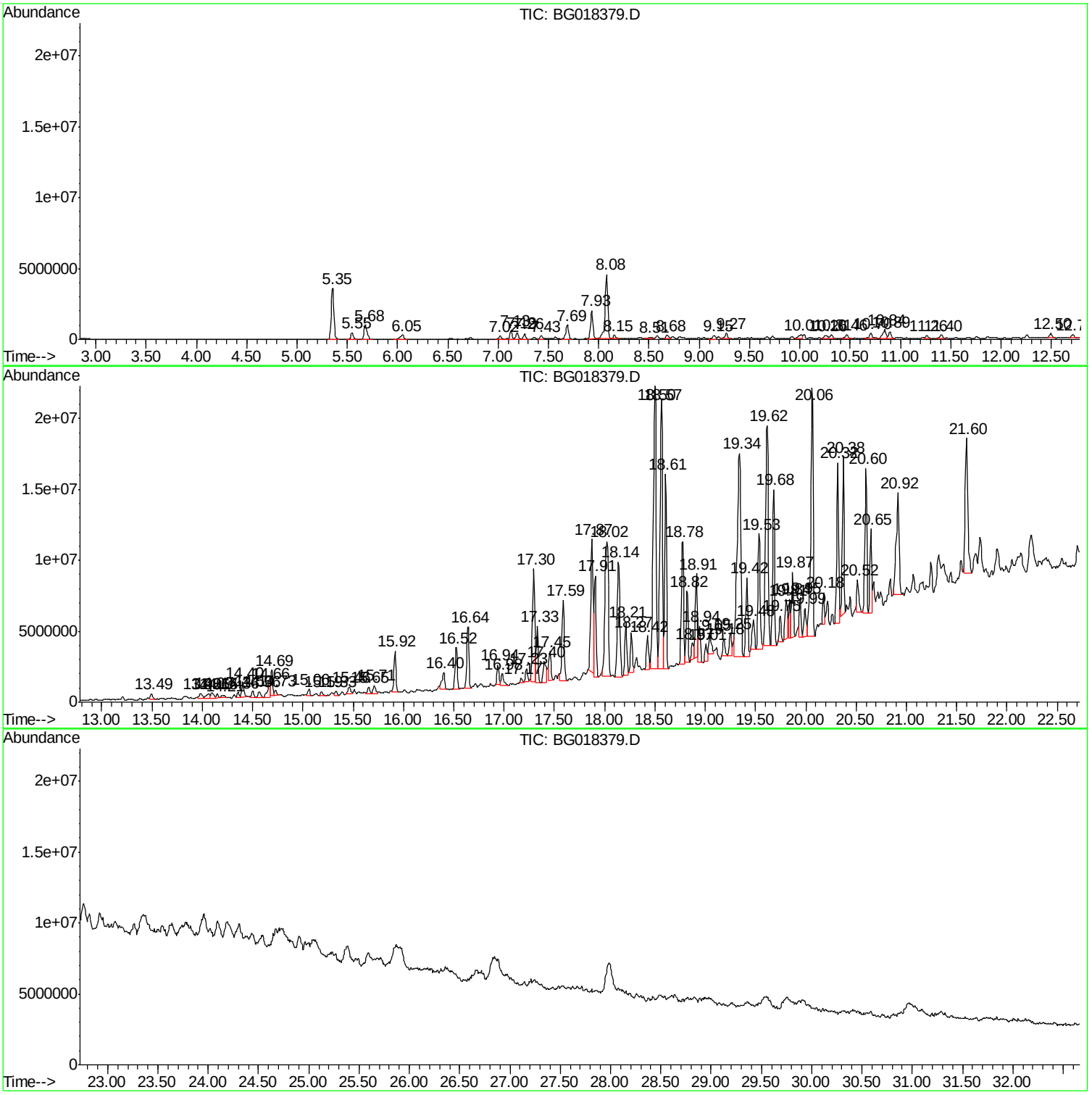
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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

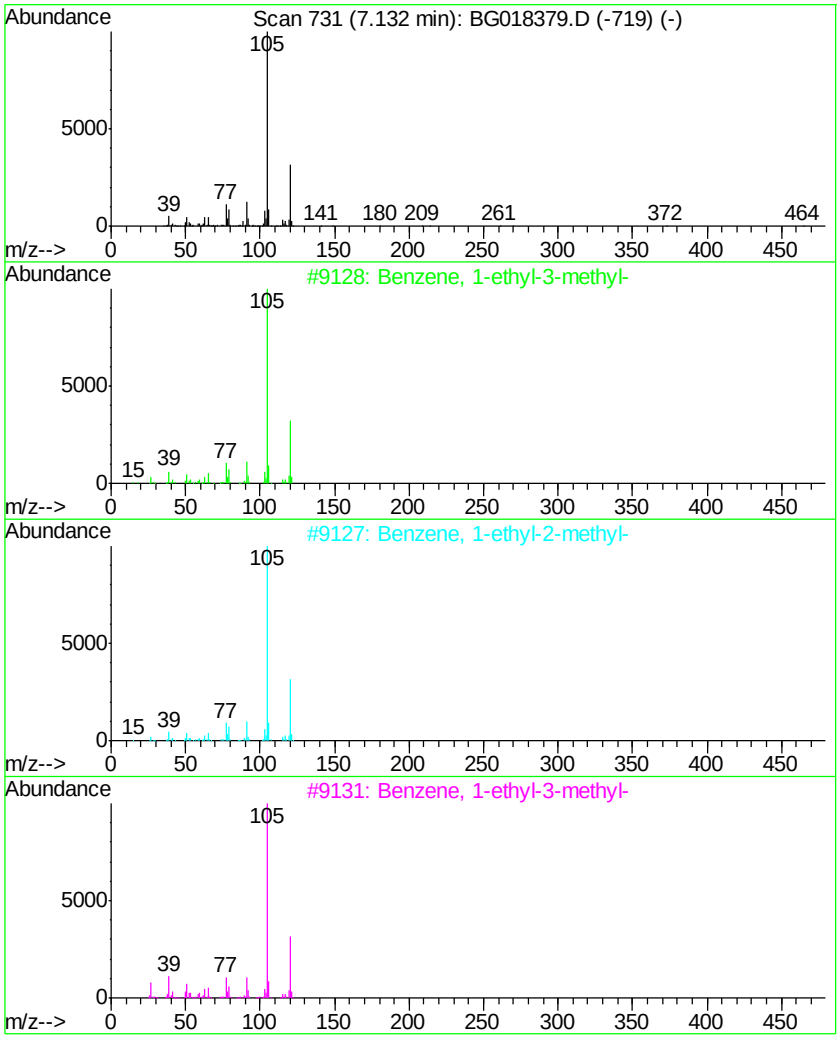
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

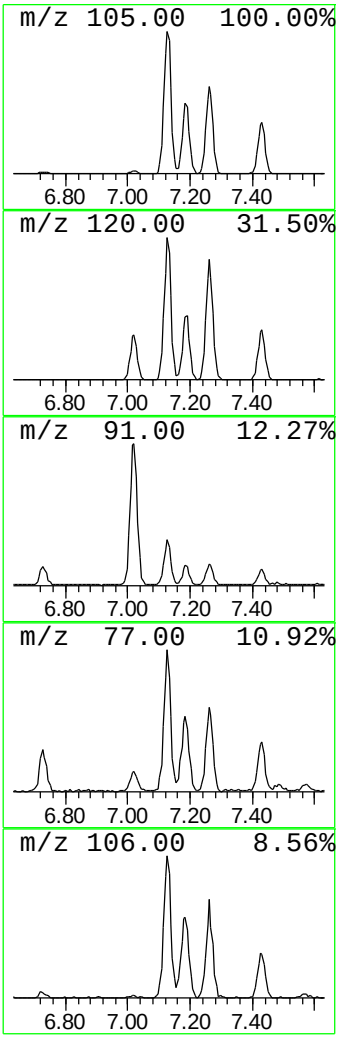
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	2.22 ng/ul	980335	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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

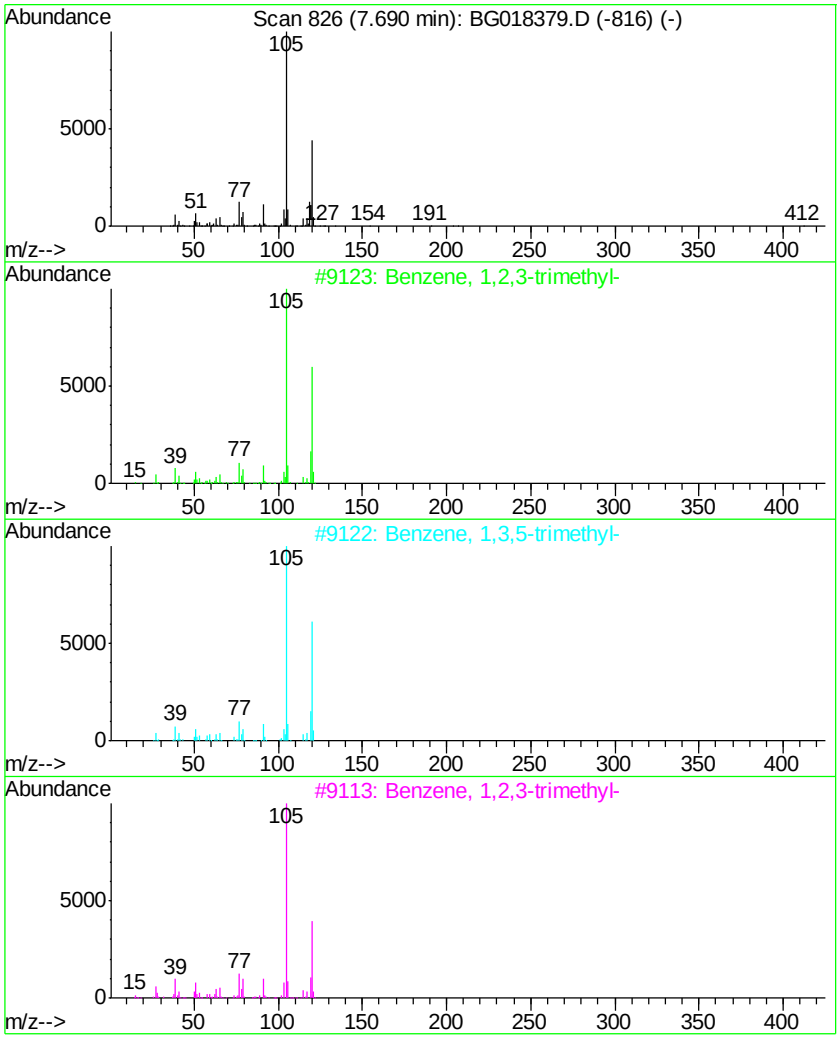
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

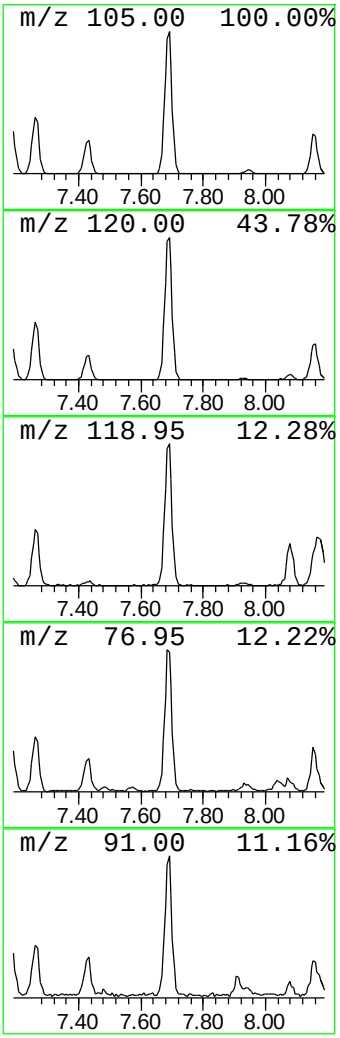
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	4.33 ng/ul	1909480	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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

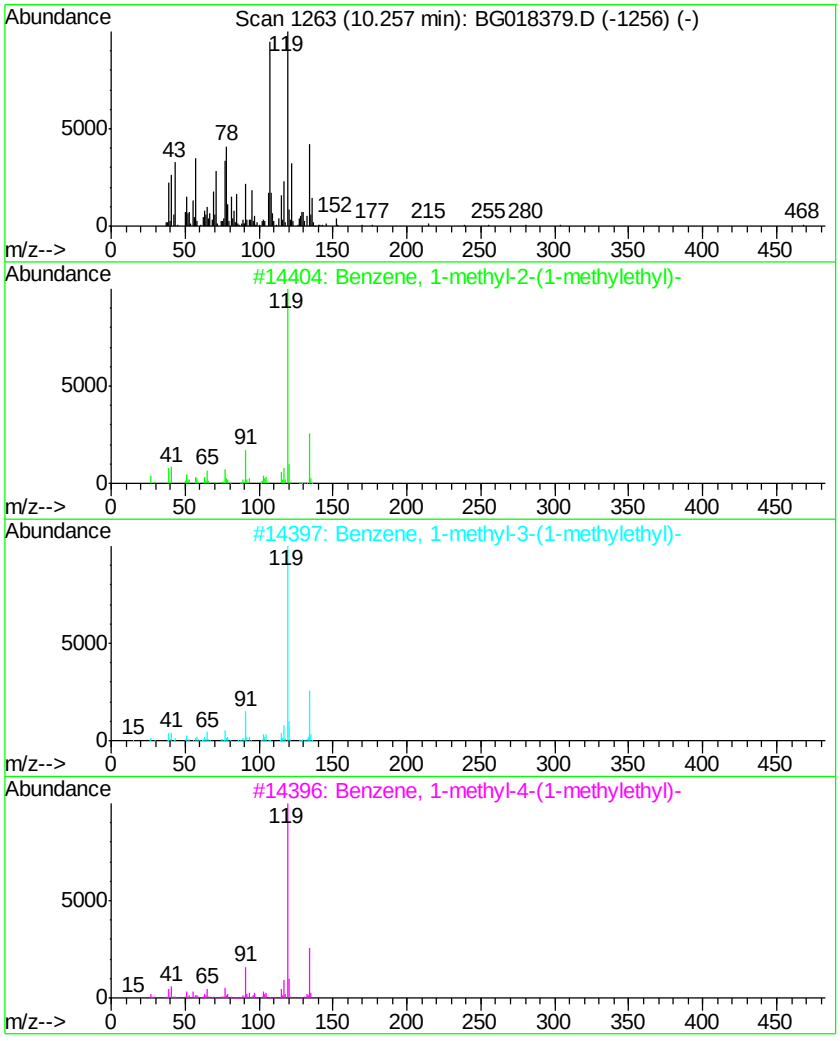
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

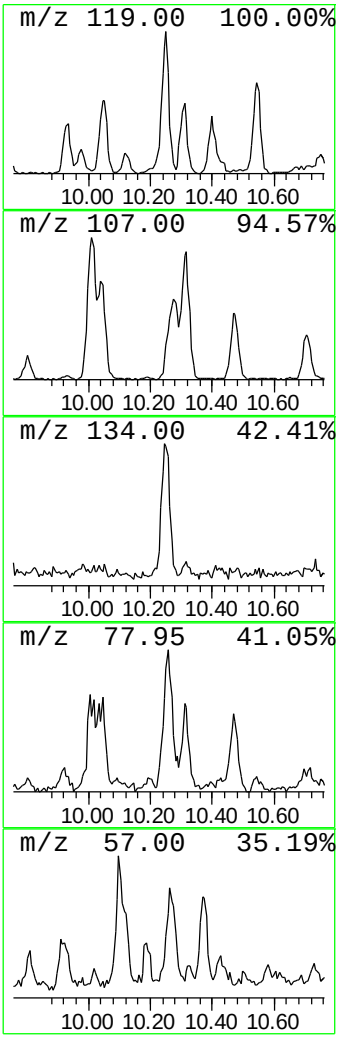
****

Peak Number 6 unknown-01 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	8.66 ng/ul	678228	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	42
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	38
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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

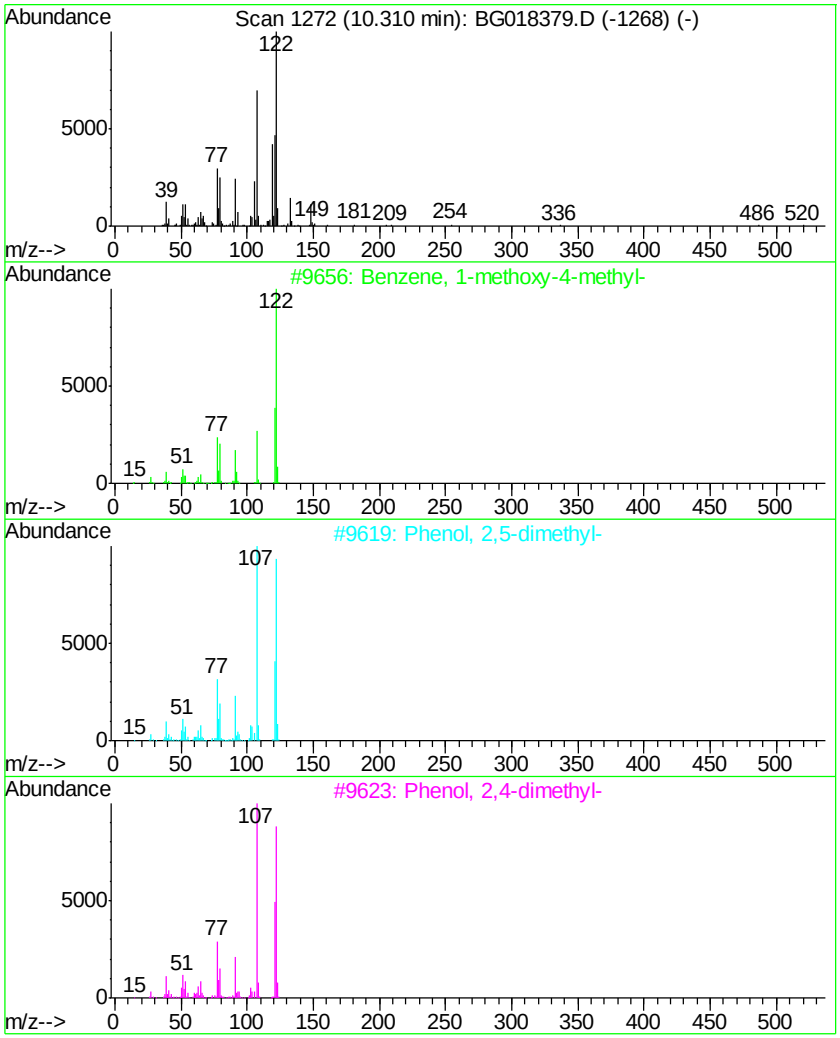
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

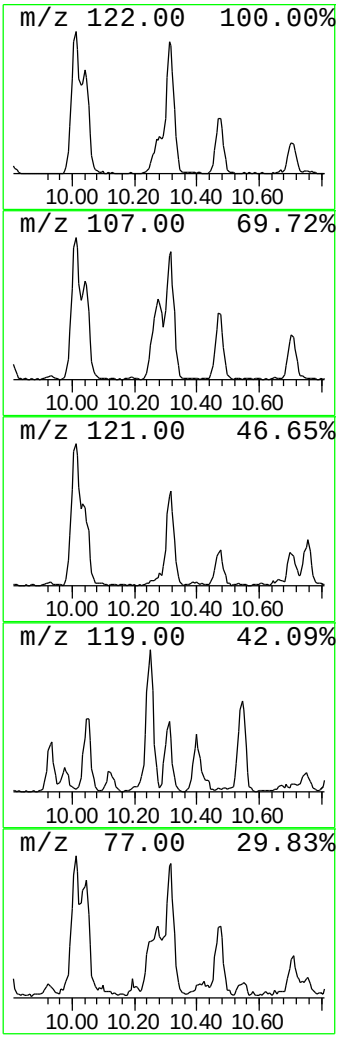
****

Peak Number 7 Benzene, 1-methoxy-4-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	7.23 ng/ul	565905	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-4-methyl-	122	C8H10O	000104-93-8	60
2	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	58
3	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	53
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	52
5	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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

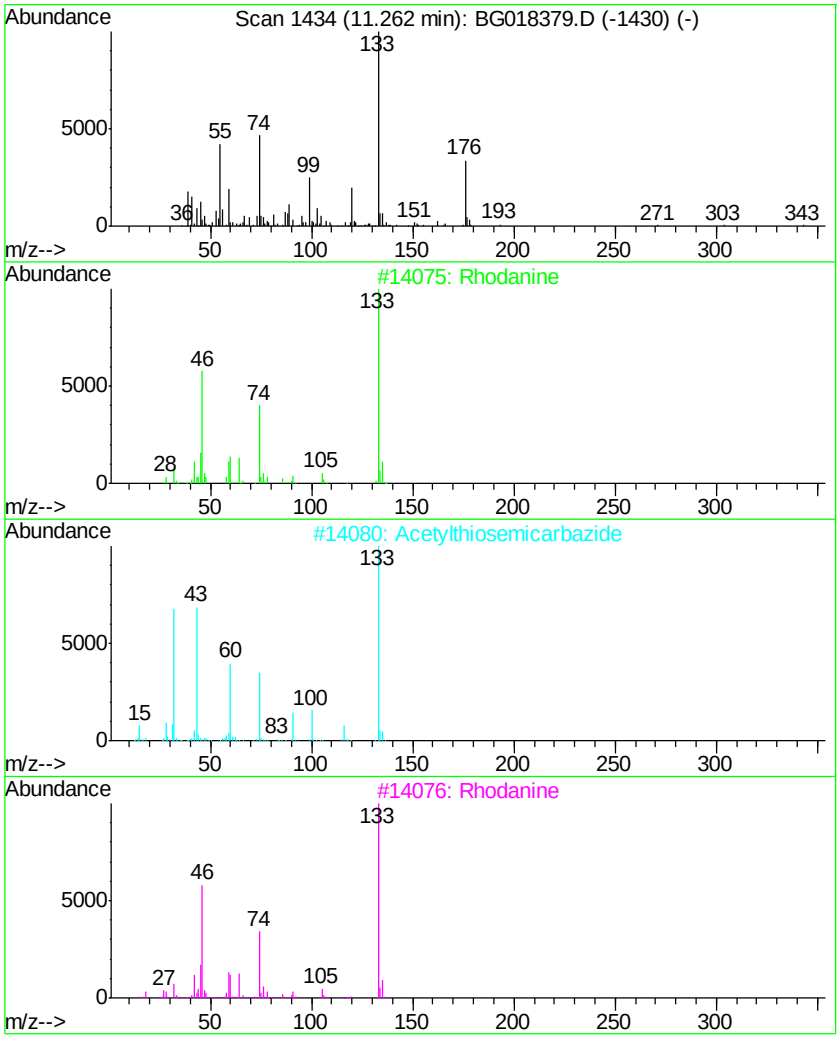
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

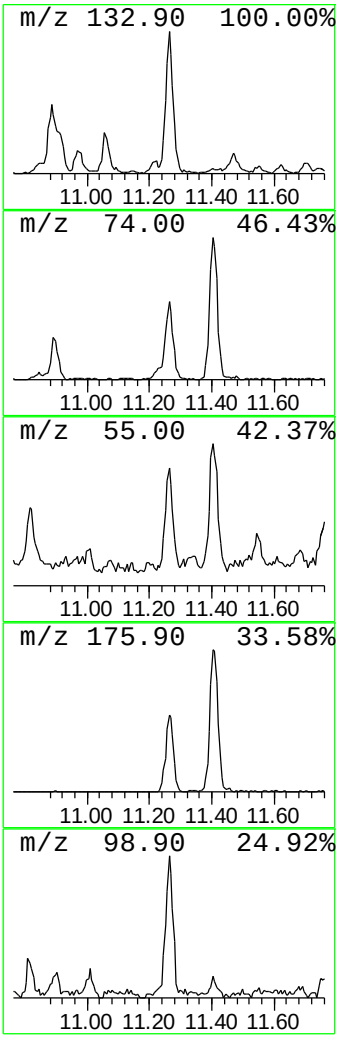
****

Peak Number 9 unknown-02 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	4.72 ng/ul	369161	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Rhodanine	133	C3H3NOS2	000141-84-4	47
2	Acetylthiosemicarbazide	133	C3H7N3OS	002302-88-7	43
3	Rhodanine	133	C3H3NOS2	000141-84-4	32
4	1-Phenylcyclohexanol-1	176	C12H16O	001589-60-2	32
5	1,2,4-Triazole, 3,5-dithioxo-	133	C2H3N3S2	005650-03-3	25





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Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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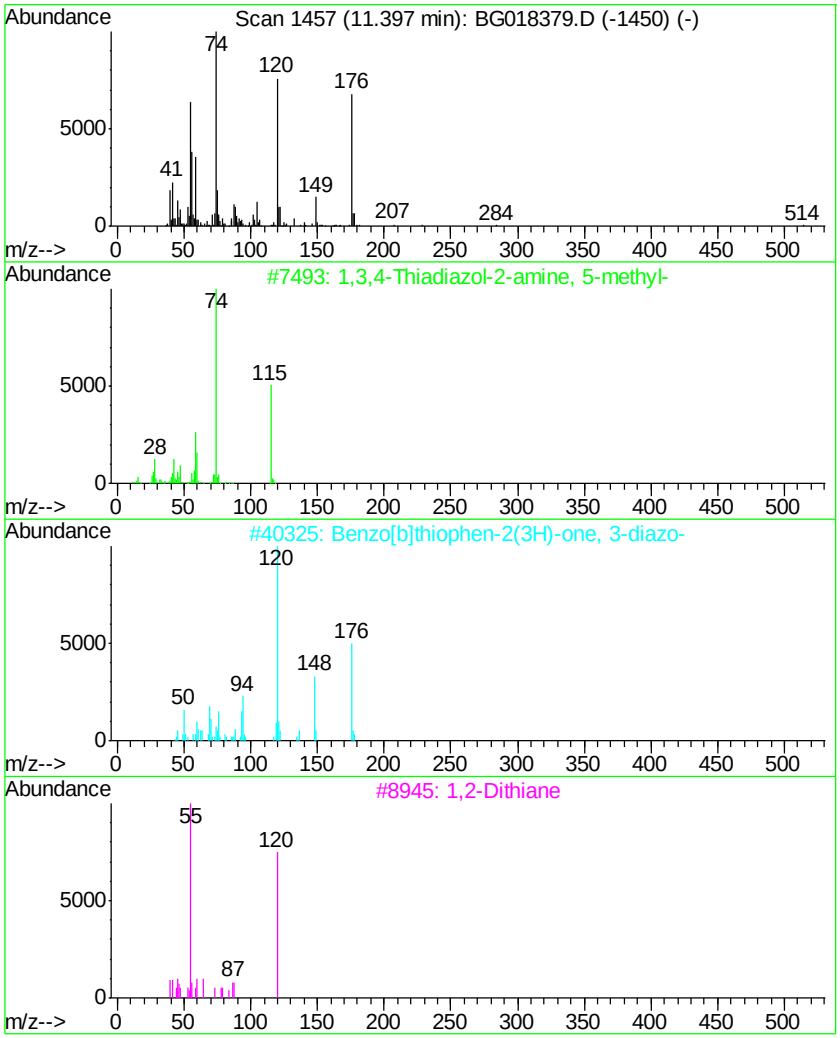
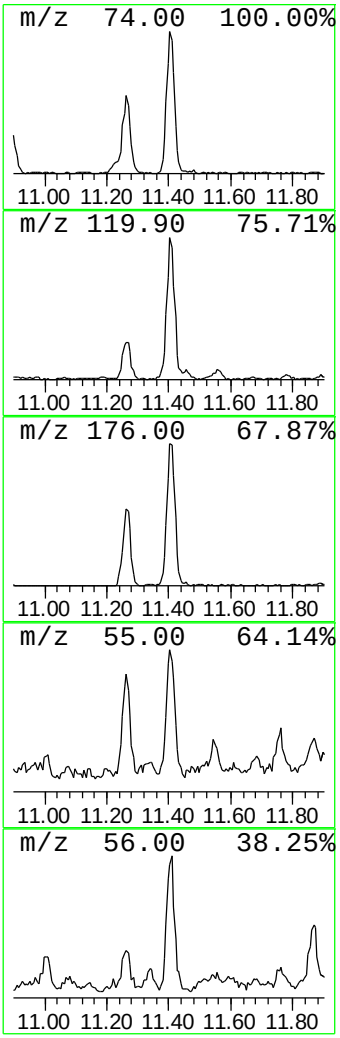
Peak Number 10 unknown-03 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	5.82 ng/ul	455414	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Thiadiazol-2-amine, 5-methyl-	115	C3H5N3S	000108-33-8	27
2	Benzo[b]thiophen-2(3H)-one, 3-di...	176	C8H4N2OS	054518-09-1	25
3	1,2-Dithiane	120	C4H8S2	000505-20-4	22
4	3-Thioureido-3-p-tolyl-propionic...	266	C13H18N2O2S	1000294-25-0	22
5	Xylopyranoside, methyl 4-azido-4...	203	C7H13N3O4	018390-81-3	22





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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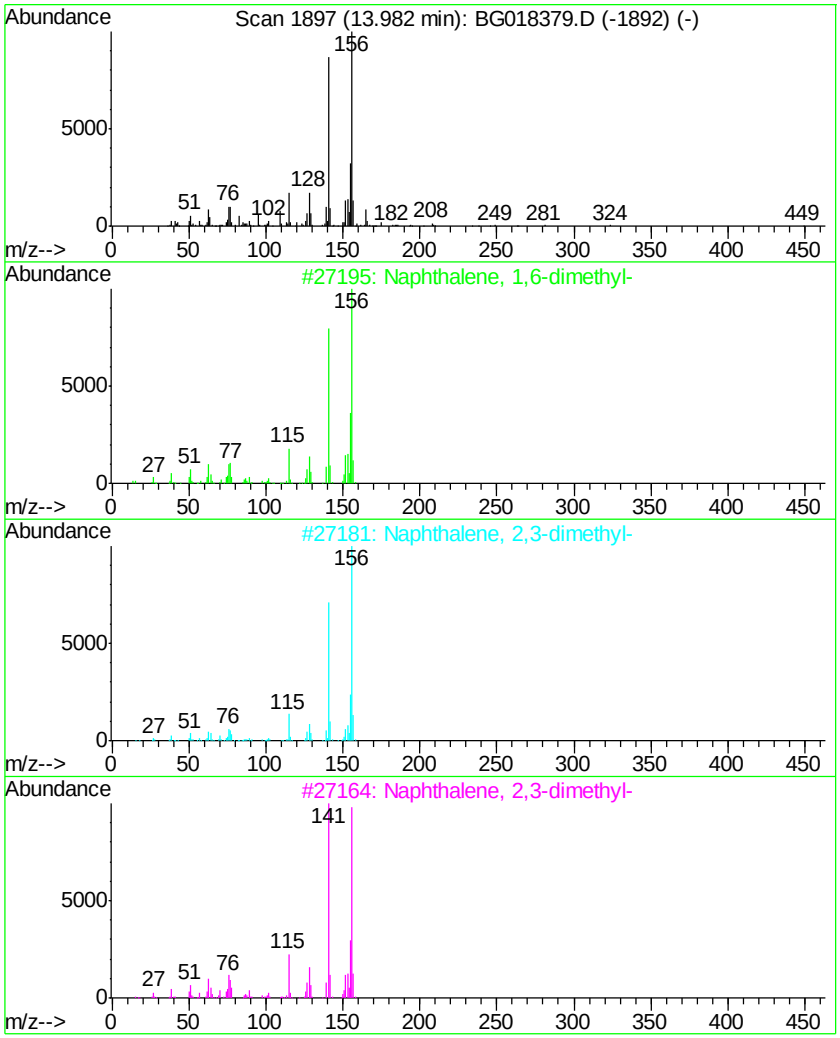
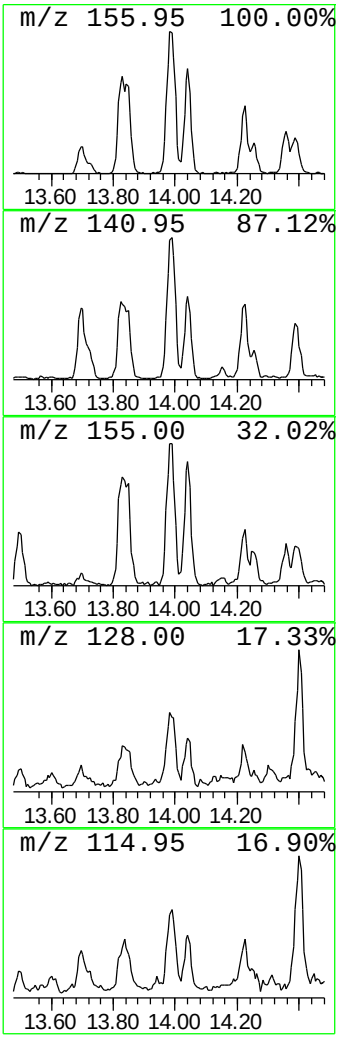
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	9.30 ng/ul	803980	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Library Search Compound Report

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Sample : G3109-12
Misc :
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Instrument : BNA_G
ClientSampleId : C01P8

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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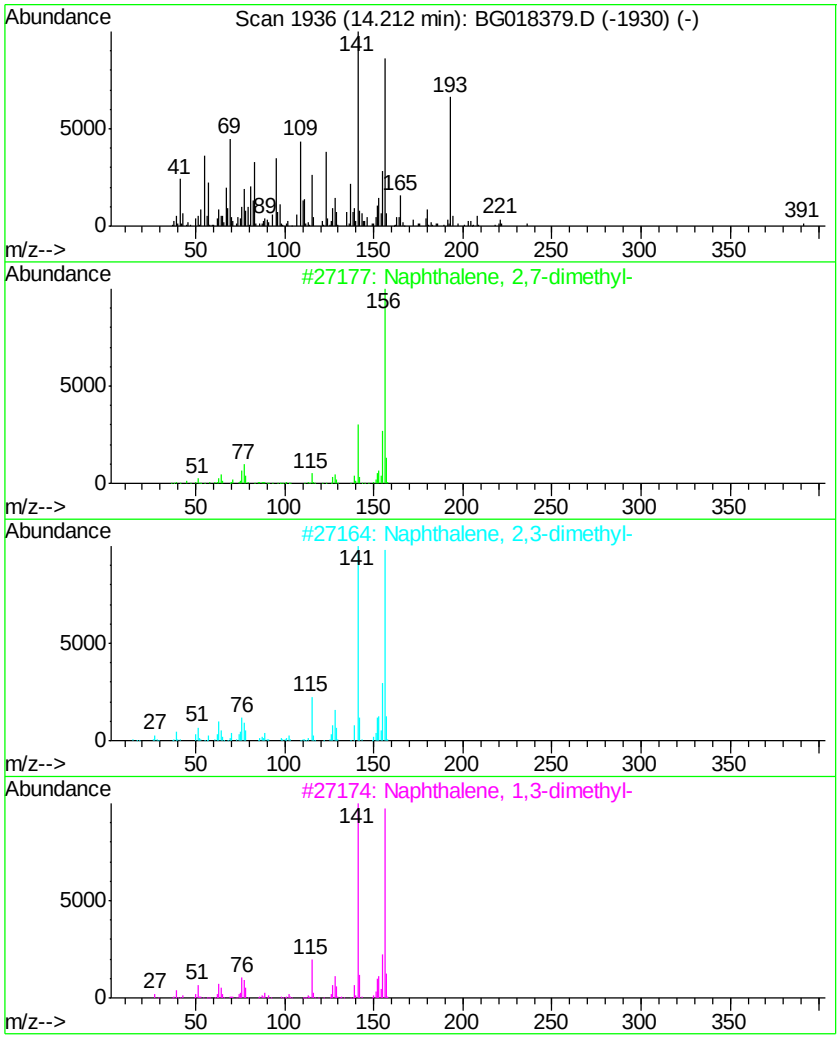
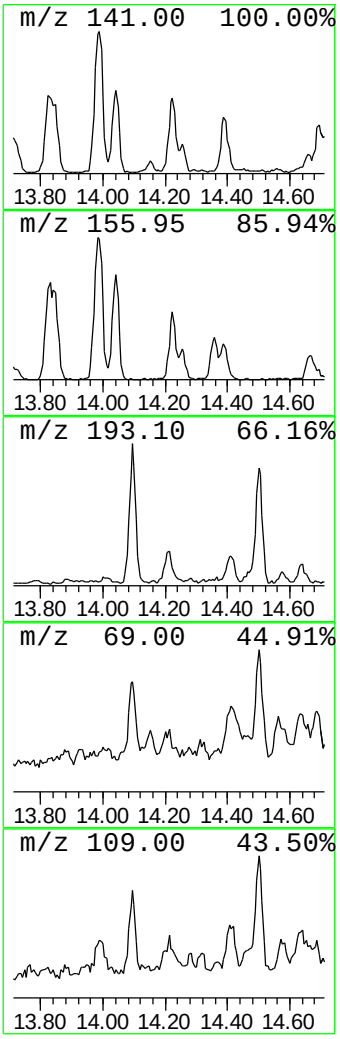
Peak Number 12 Naphthalene, 2,7-dimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	5.16 ng/ul	445790	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	64
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	64
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	64
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	64





Library Search Compound Report

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Sample : G3109-12
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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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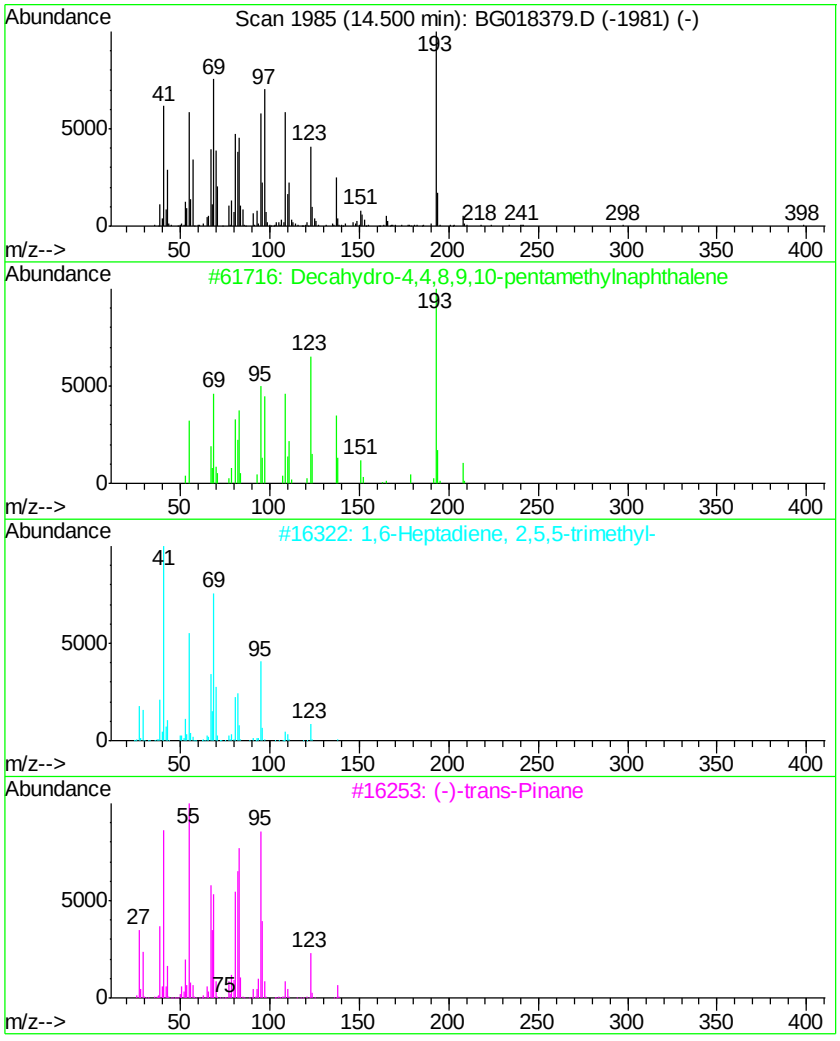
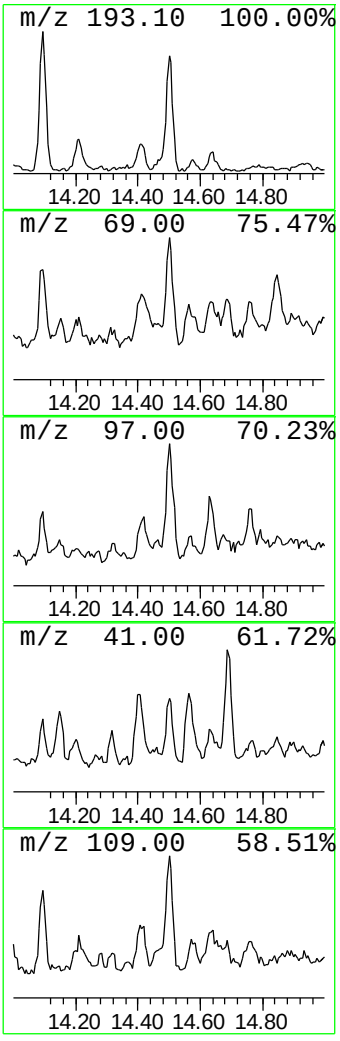
Peak Number 13 unknown-04 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	8.95 ng/ul	773366	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	35
2	1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18	062238-28-2	27
3	(-)-trans-Pinane	138	C10H18	033626-25-4	25
4	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	22
5	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	22





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Sample : G3109-12
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ClientSampleId : C01P8

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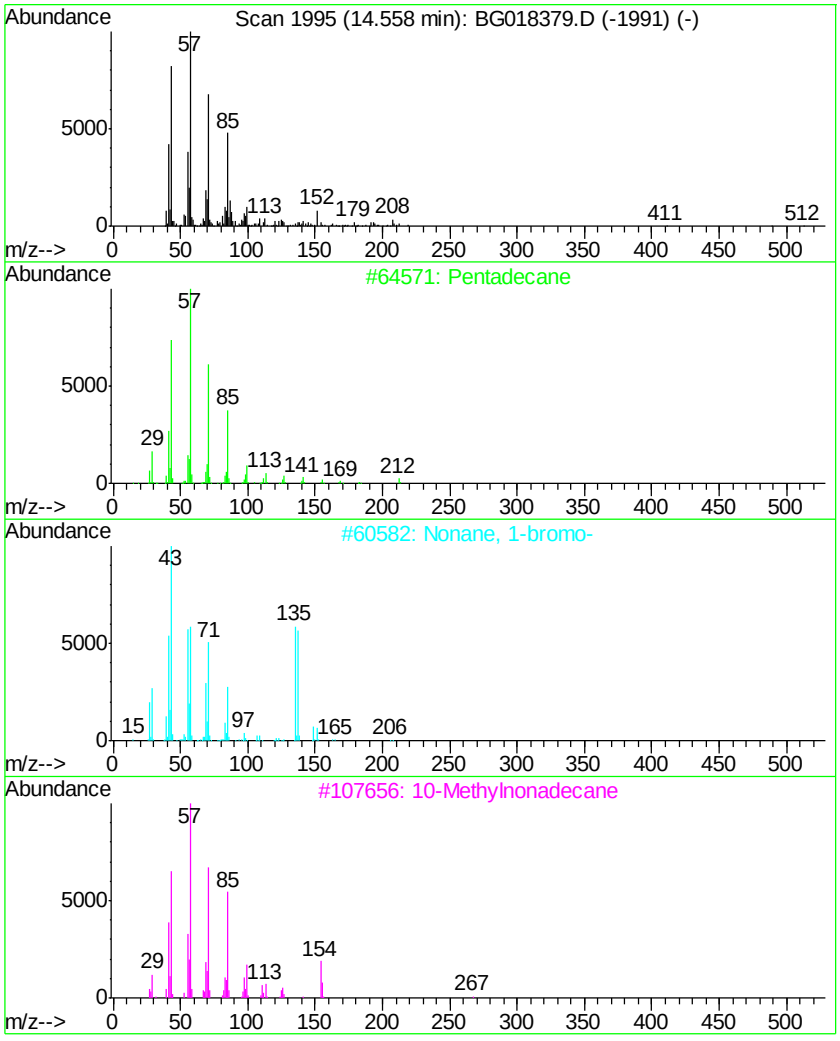
Quant Title : SVOA CALIBRATION

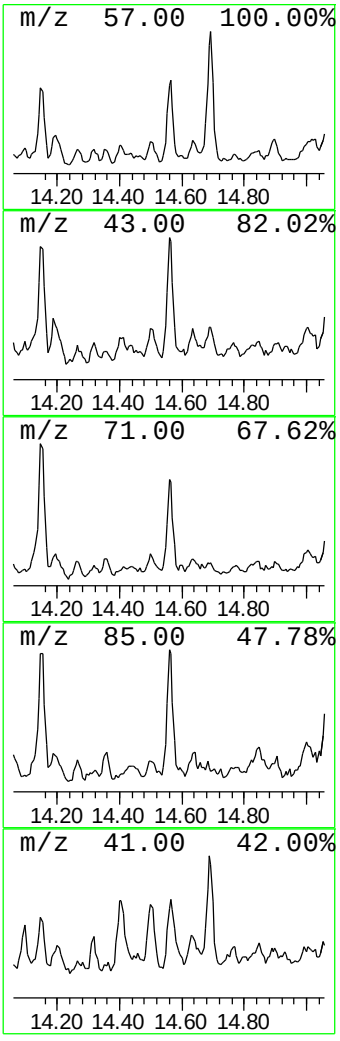
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	10.03 ng/ul	867009	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	60
2	Nonane, 1-bromo-	206	C9H19Br	000693-58-3	58
3	10-Methylnonadecane	282	C20H42	056862-62-5	50
4	Eicosane	282	C20H42	000112-95-8	50
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	50





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Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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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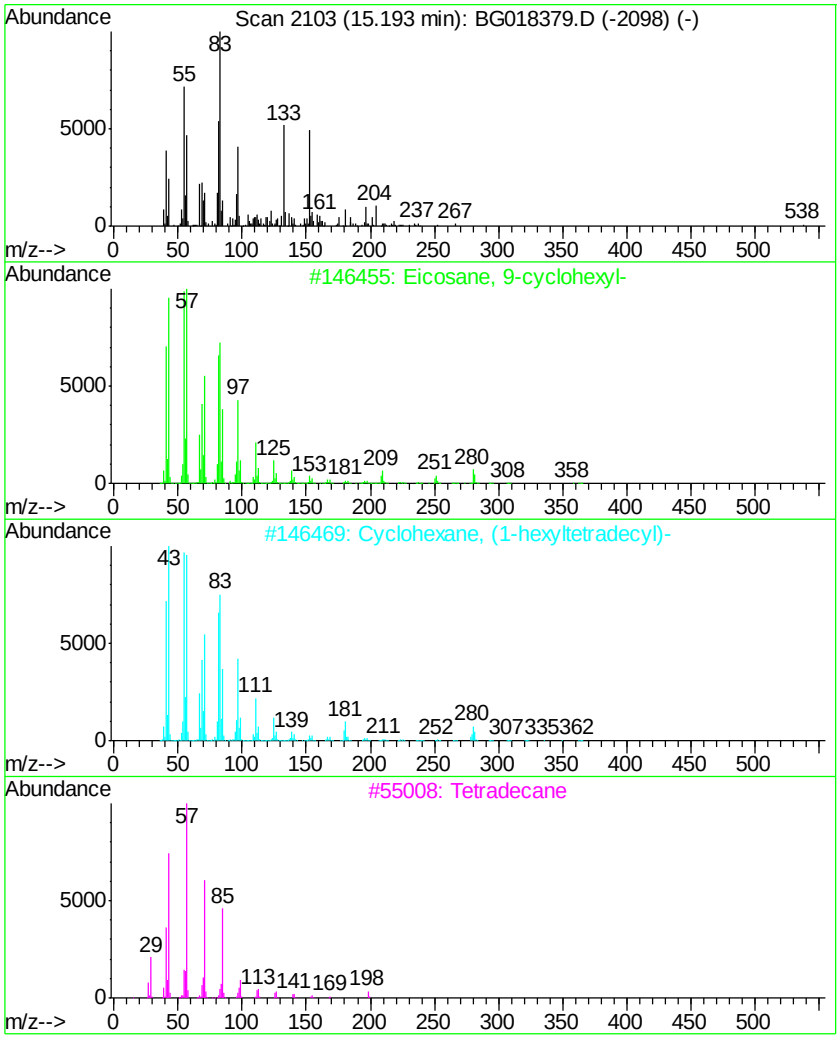
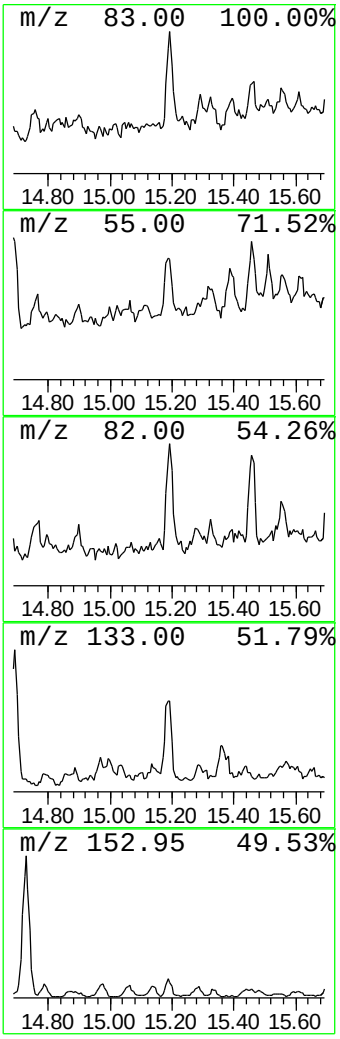
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.57 ng/ul	481277	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	46
2	Cyclohexane, (1-hexyltetradecyl)-	364	C26H52	004443-60-1	35
3	Tetradecane	198	C14H30	000629-59-4	25
4	Tridecane	184	C13H28	000629-50-5	25
5	Cyclohexanone, 3-ethyl-	126	C8H14O	022461-89-8	22





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Sample : G3109-12
Misc :
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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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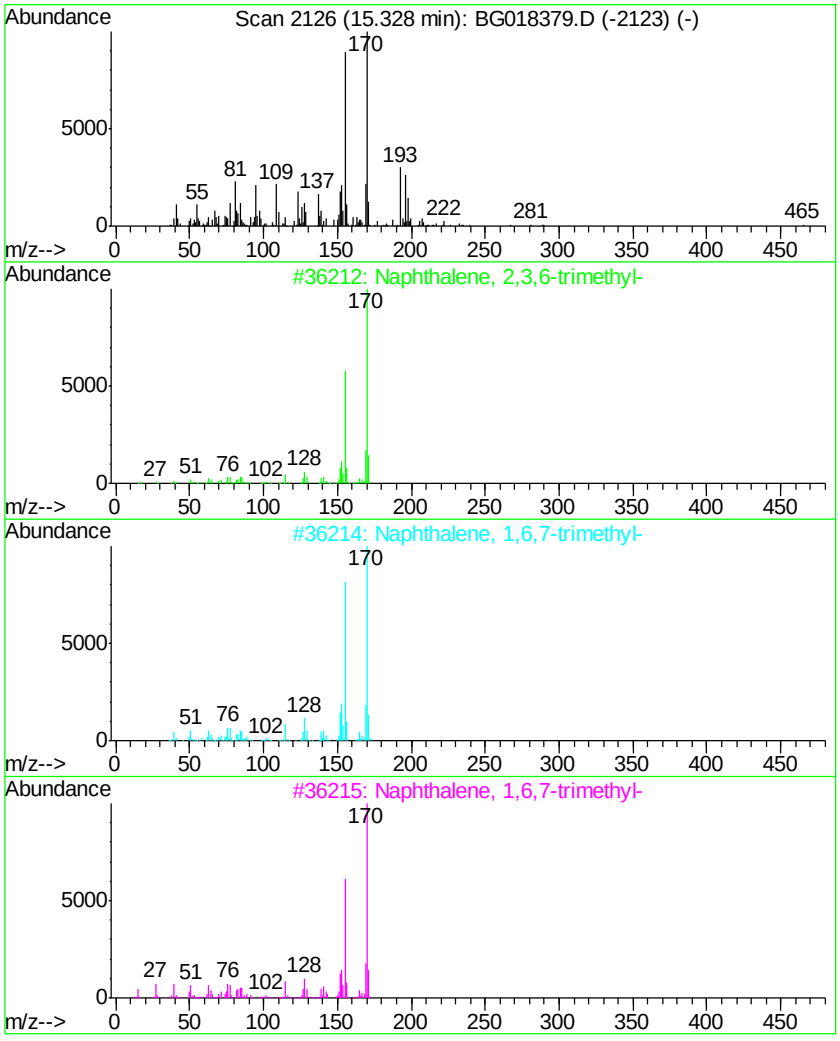
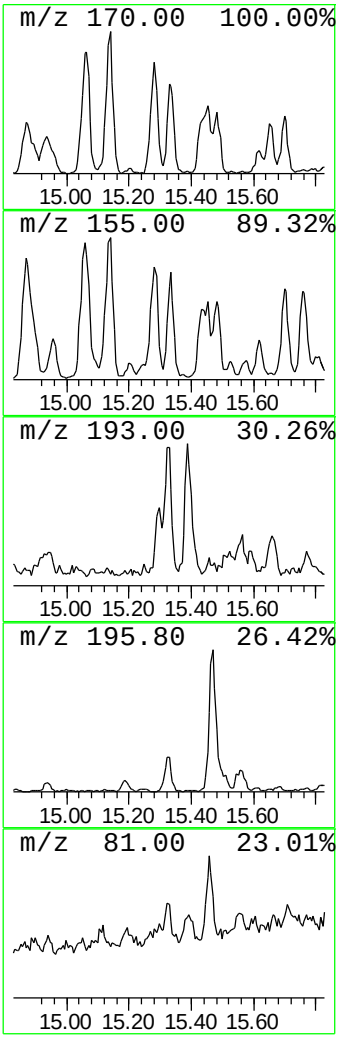
Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	4.90 ng/ul	423436	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70





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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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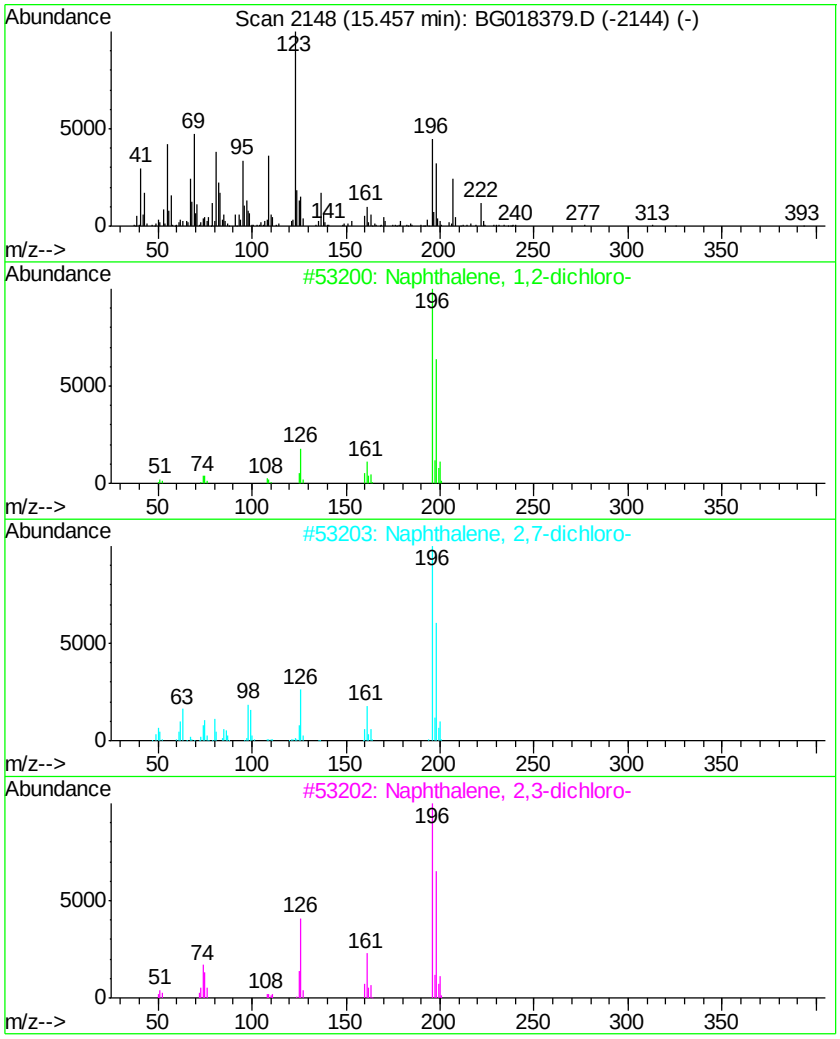
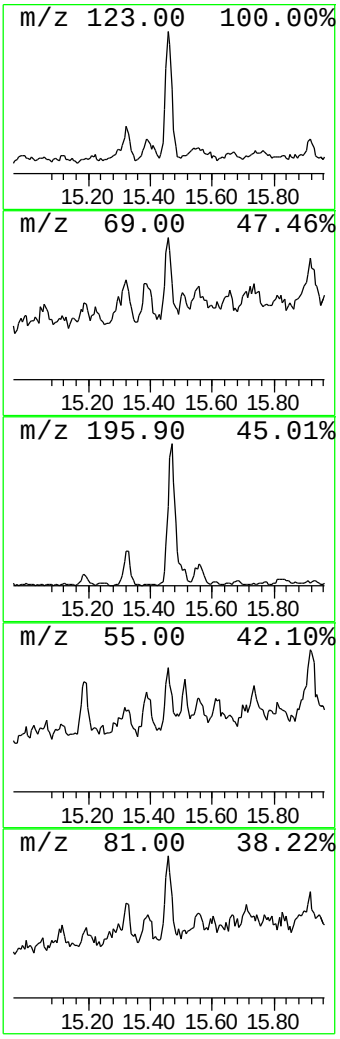
Peak Number 17 Naphthalene, 1,2-dichloro- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	10.29 ng/ul	889283	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dichloro-	196	C10H6Cl2	002050-69-3	95
2	Naphthalene, 2,7-dichloro-	196	C10H6Cl2	002198-77-8	95
3	Naphthalene, 2,3-dichloro-	196	C10H6Cl2	002050-75-1	95
4	Naphthalene, 1,4-dichloro-	196	C10H6Cl2	001825-31-6	95
5	Naphthalene, 2,7-dichloro-	196	C10H6Cl2	002198-77-8	90





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Sample : G3109-12
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Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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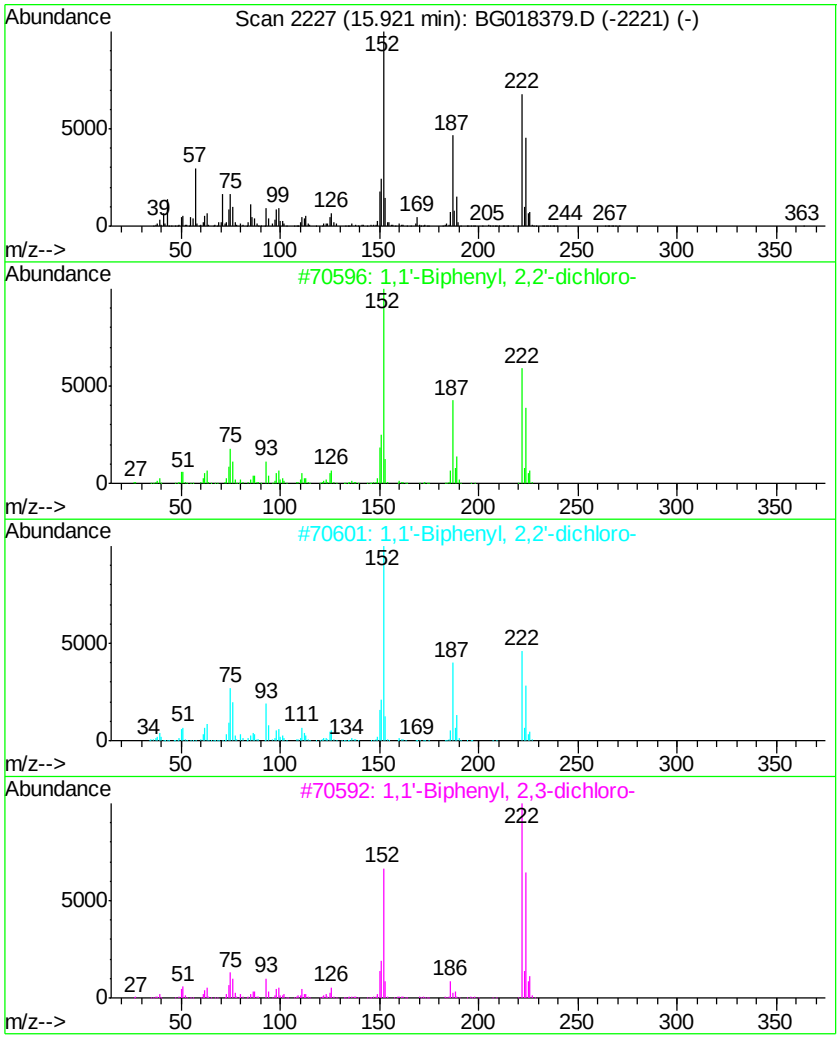
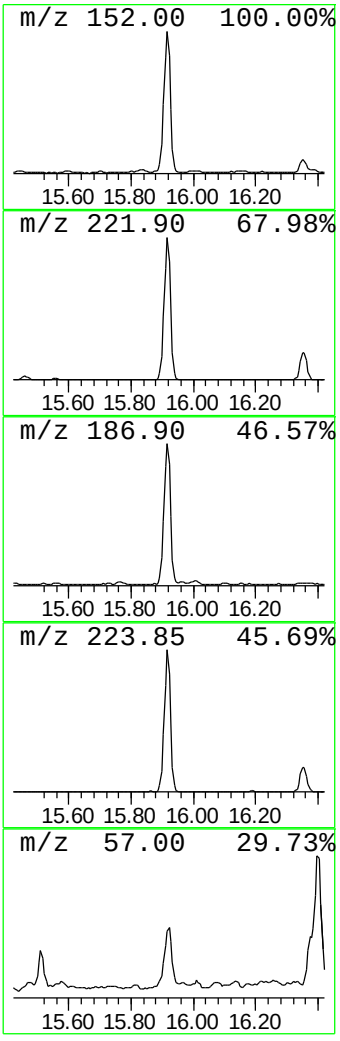
Peak Number 18 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	48.59 ng/ul	4199520	Acenaphthene-d10	14.66

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, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	96
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	90





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Instrument : BNA_G
ClientSampleId : C01P8

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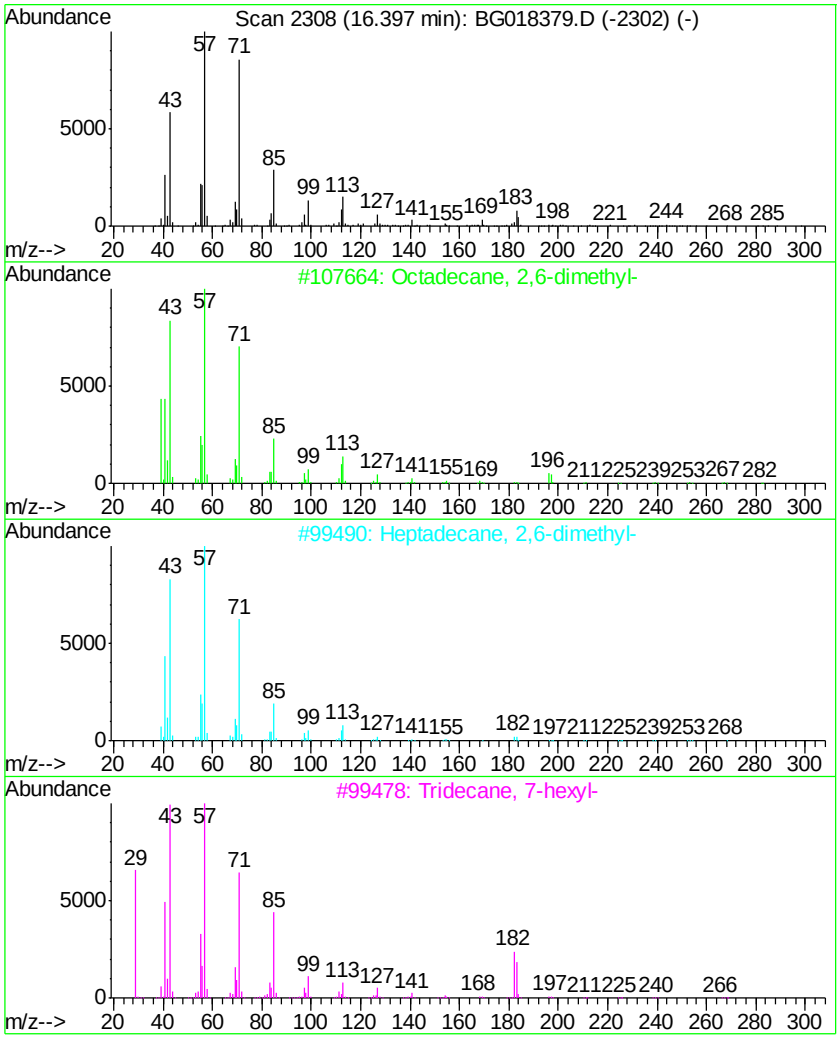
Quant Title : SVOA CALIBRATION

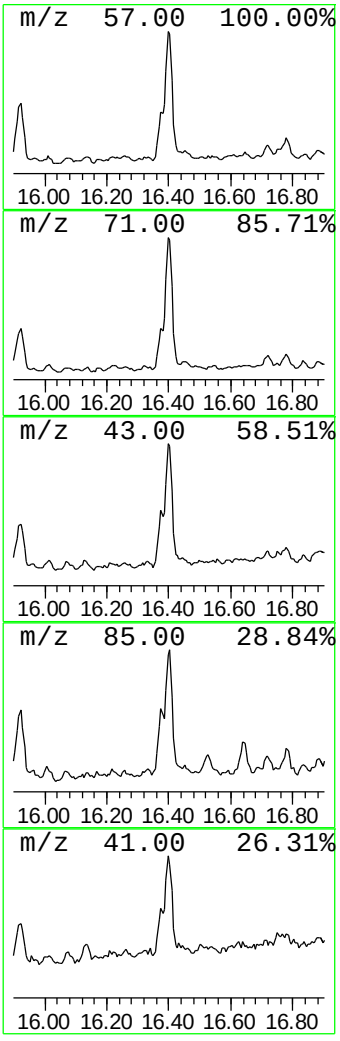
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	13.32 ng/ul	2217630	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	76
3	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	74
4	Decane, 2-methyl-	156	C11H24	006975-98-0	72
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72





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Quant Title : SVOA CALIBRATION

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

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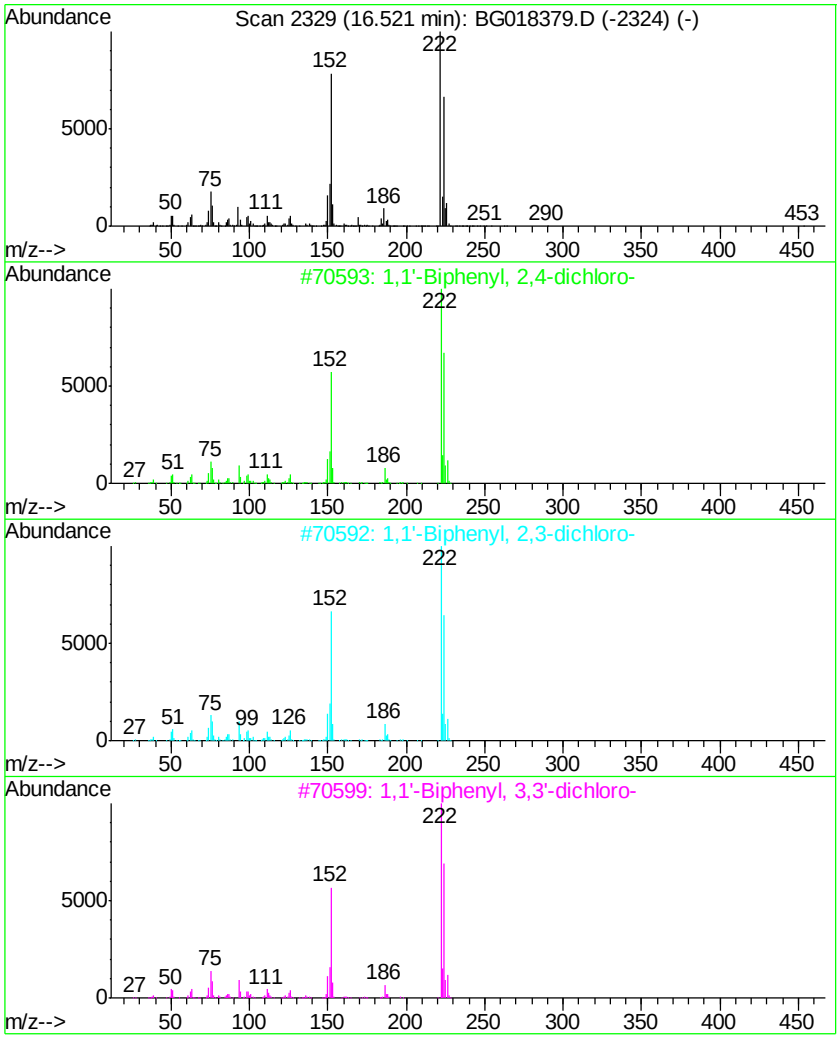
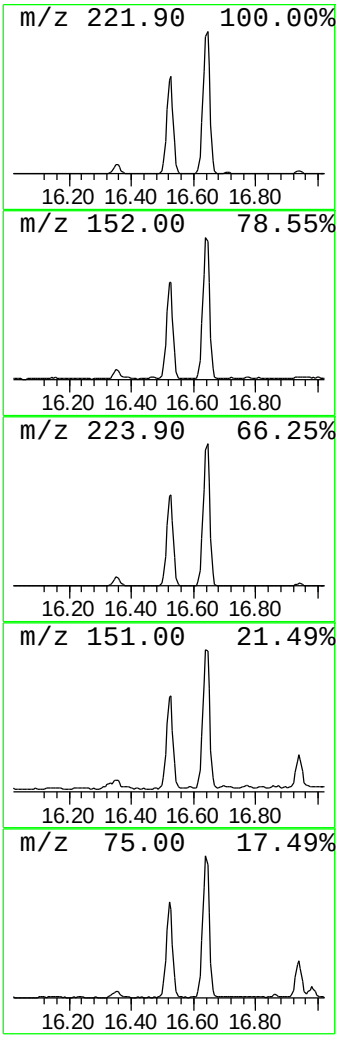
Peak Number 20 1,1'-Biphenyl, 2,4-dichloro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	26.20 ng/ul	4363170	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	97
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95





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Instrument : BNA_G
ClientSampleId : C01P8

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

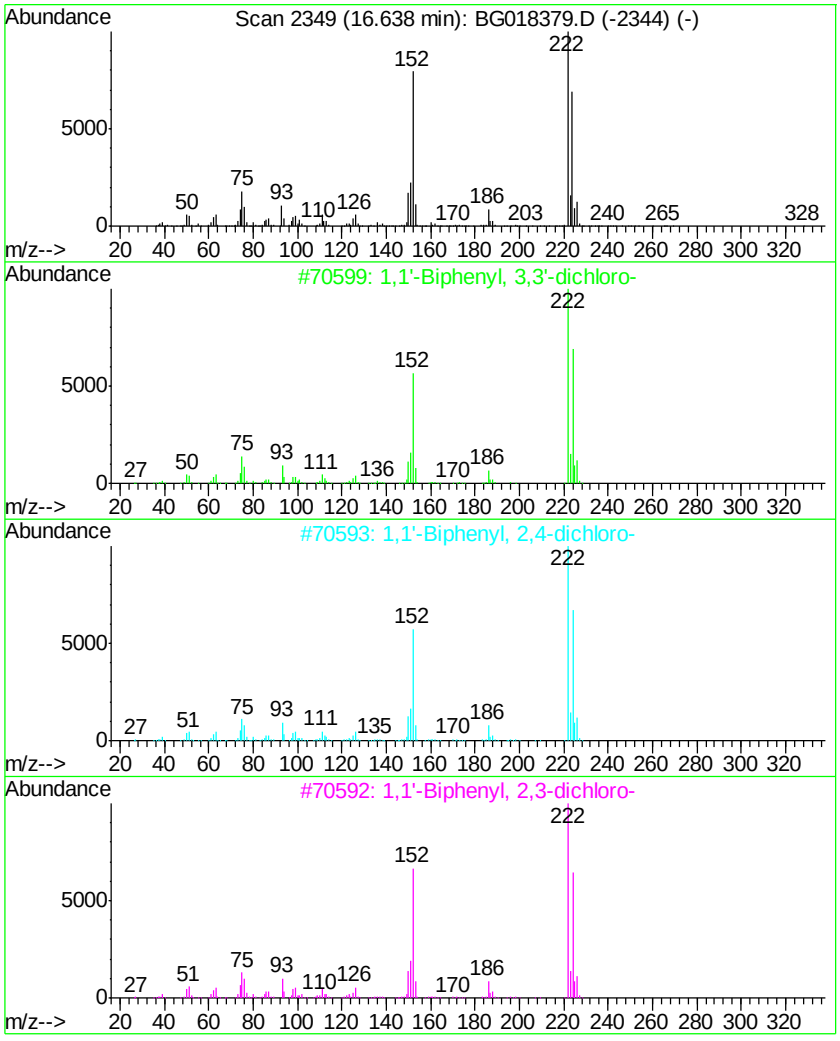
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

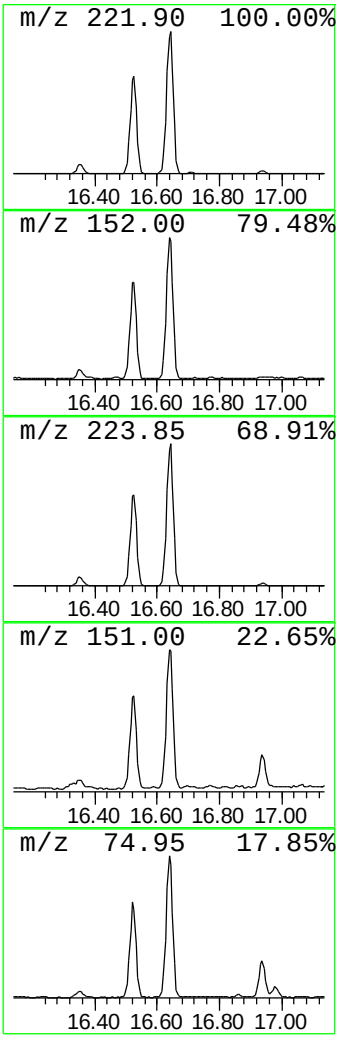
****

Peak Number 21 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	39.75 ng/ul	6619580	Phenanthrene-d10	17.41

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	99
3	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
4	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
5	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	97





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Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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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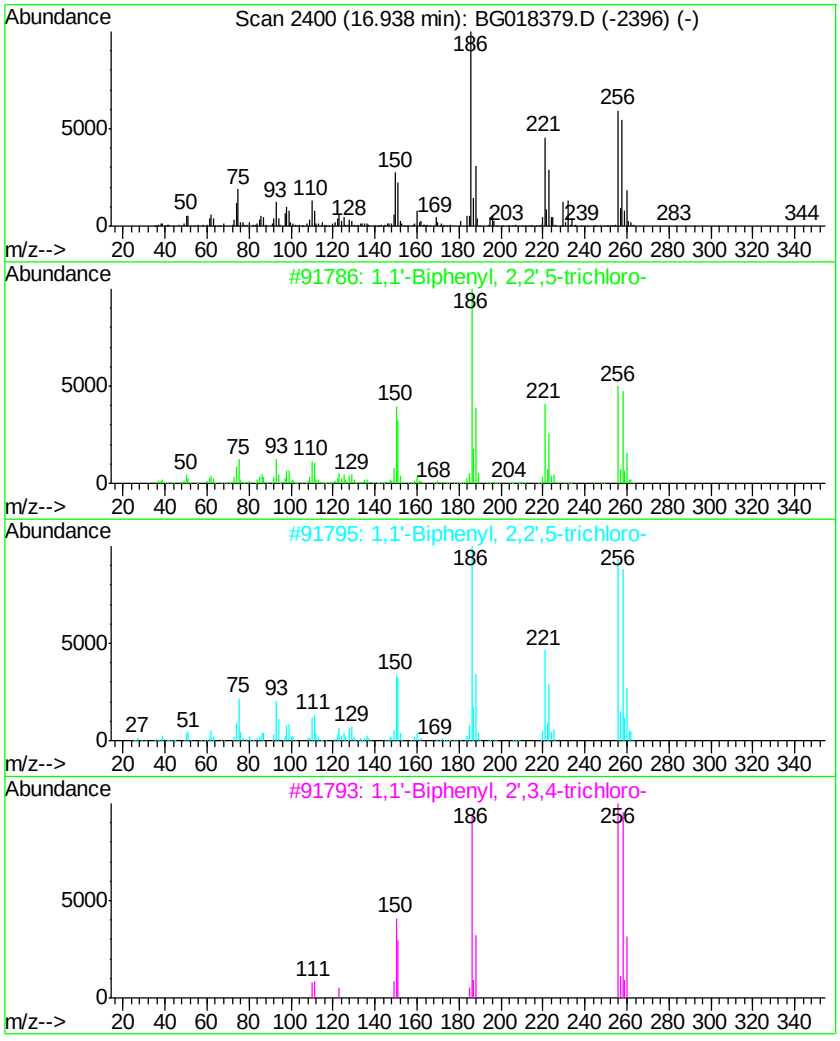
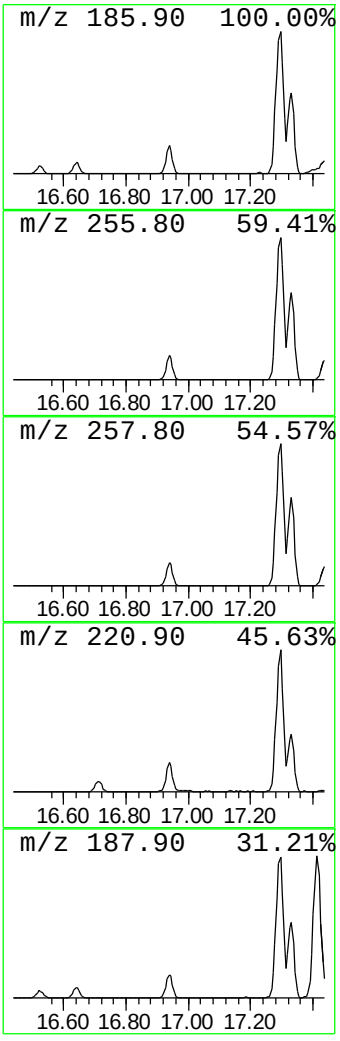
Peak Number 22 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	12.52 ng/ul	2084910	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	97
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	93
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	93
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	91





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Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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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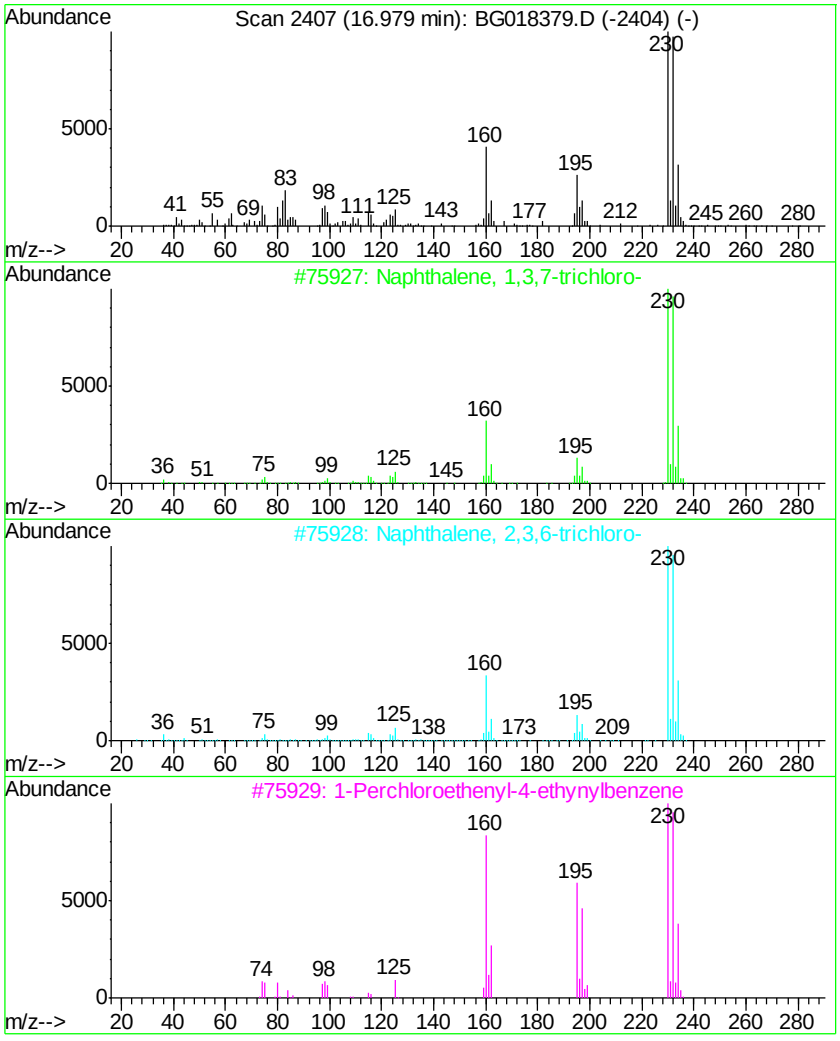
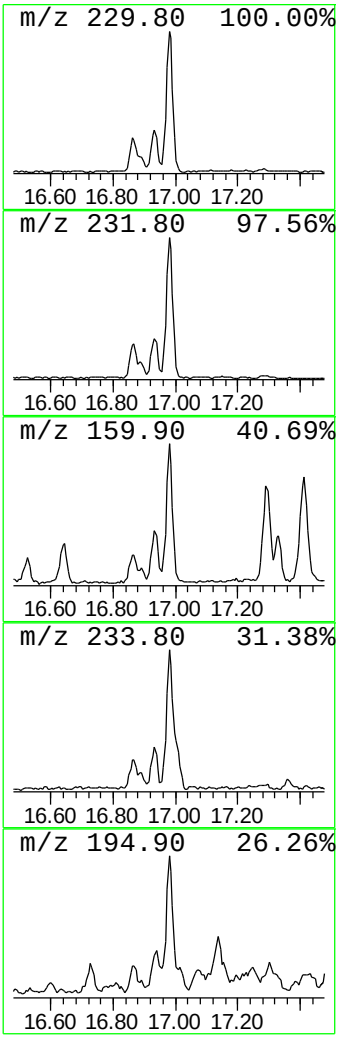
Peak Number 23 Naphthalene, 1,3,7-trichloro- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	8.42 ng/ul	1401460	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	99
2	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	99
3	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	68
4	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	60
5	Benzaldehyde, 3-bromo-4-hydroxy-...	230	C8H7BrO3	002973-76-4	47





Library Search Compound Report

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Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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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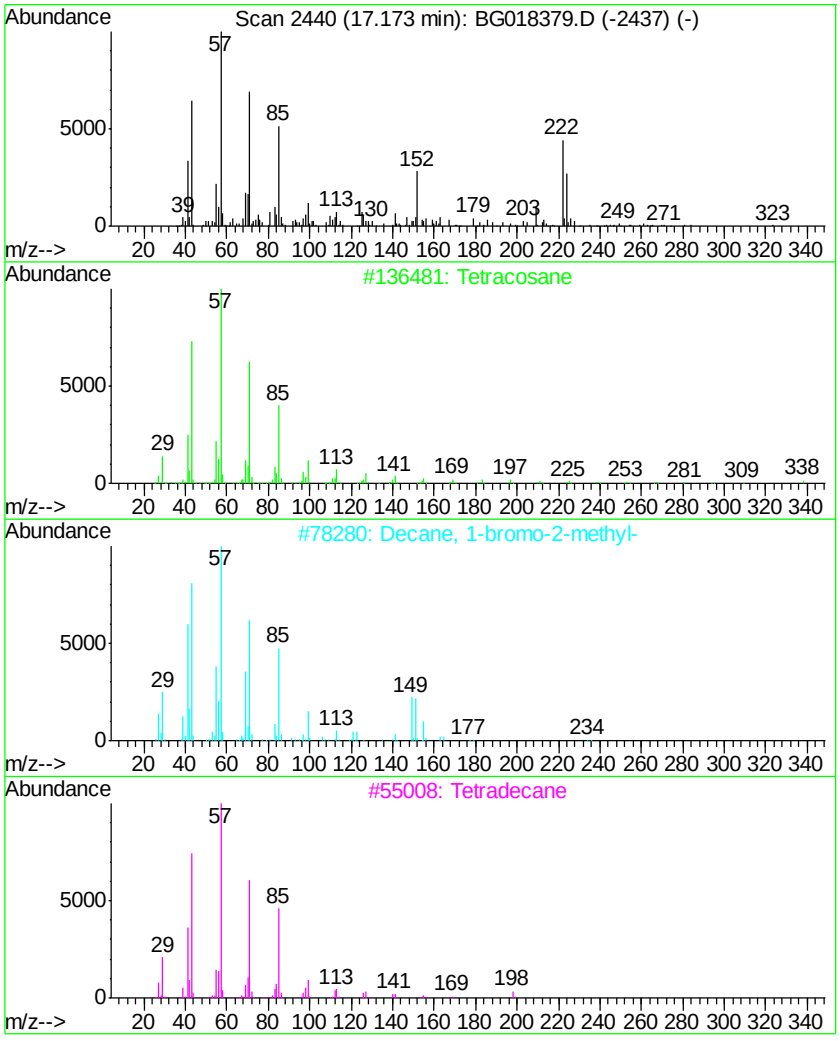
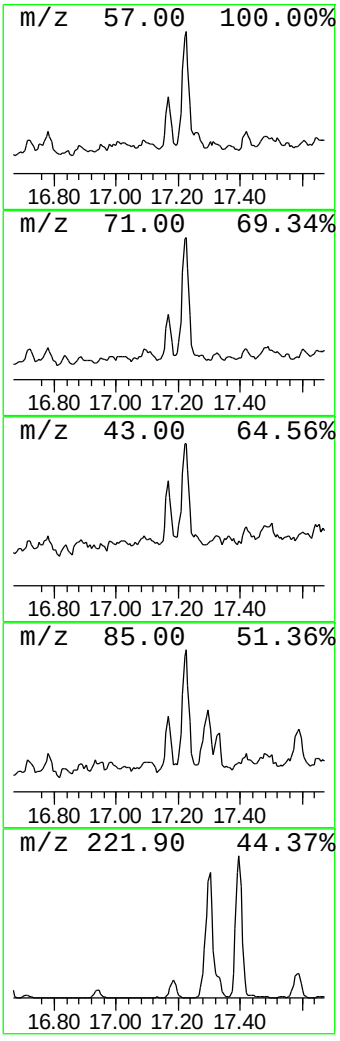
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	2.25 ng/ul	374726	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	74
2	Decane, 1-bromo-2-methyl-	234	C11H23Br	127839-47-8	74
3	Tetradecane	198	C14H30	000629-59-4	72
4	Octadecane	254	C18H38	000593-45-3	72
5	Decane, 3-methyl-	156	C11H24	013151-34-3	64





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Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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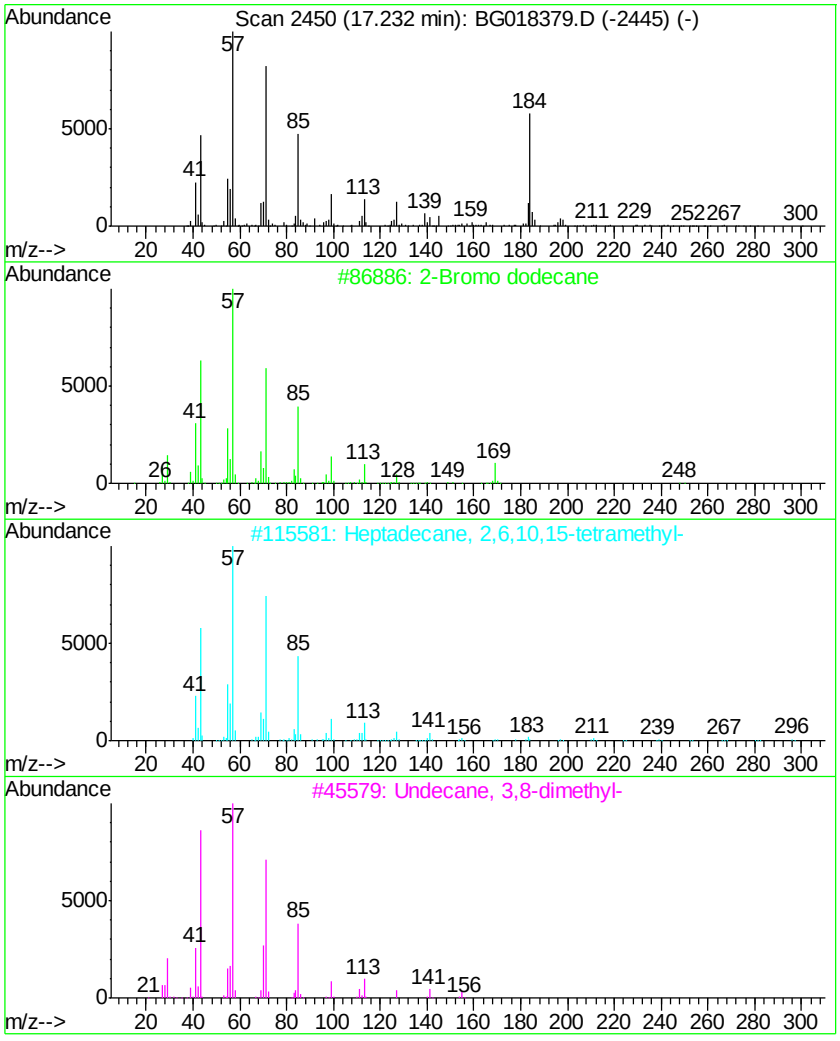
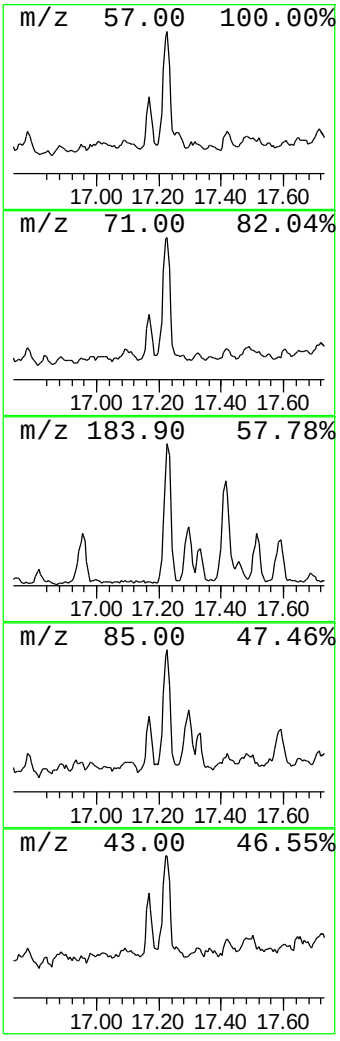
Peak Number 25 2-Bromo dodecane Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	7.87 ng/ul	1311090	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	89
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	68
3	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	64
4	Tetradecane	198	C14H30	000629-59-4	64
5	Octacosane	394	C28H58	000630-02-4	64





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Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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Quant Title : SVOA CALIBRATION

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

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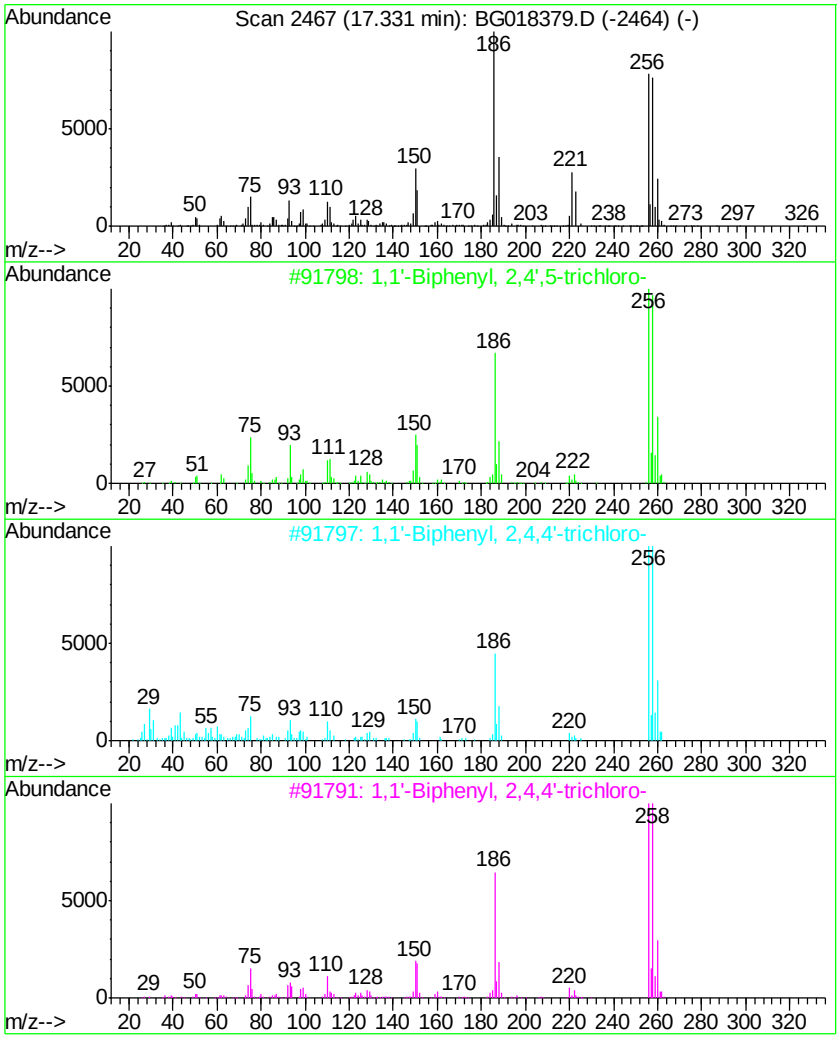
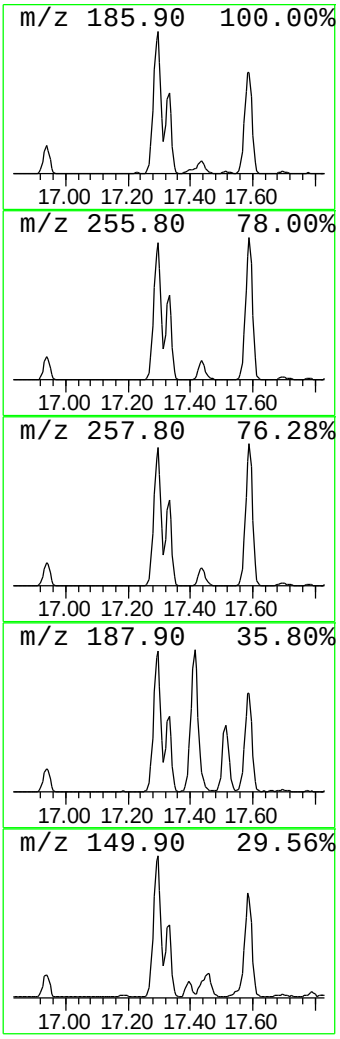
Peak Number 27 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	30.55 ng/ul	5087690	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	95
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	94
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	94





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Sample : G3109-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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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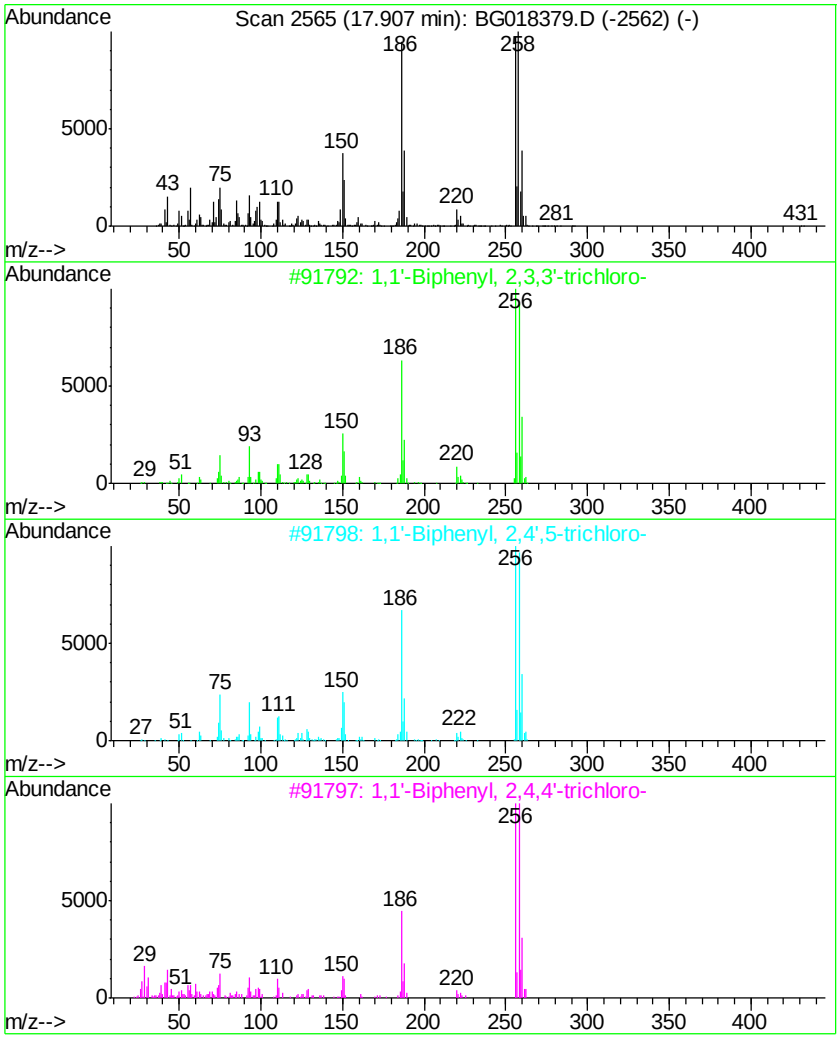
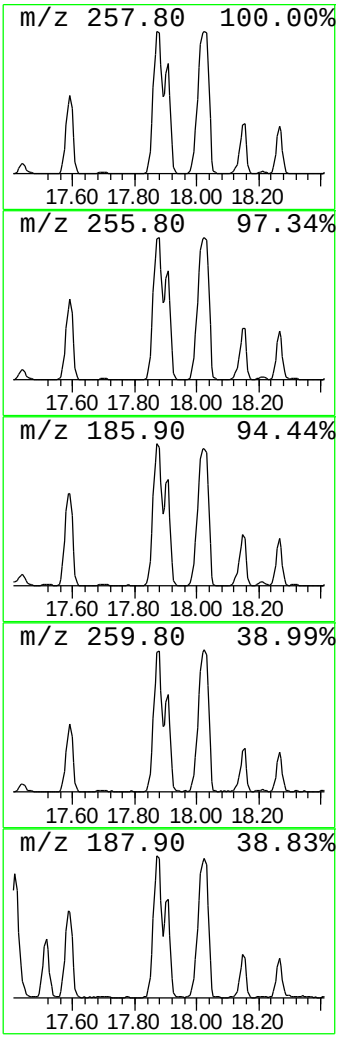
Peak Number 29 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	55.16 ng/ul	9186950	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	97
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	95





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P8

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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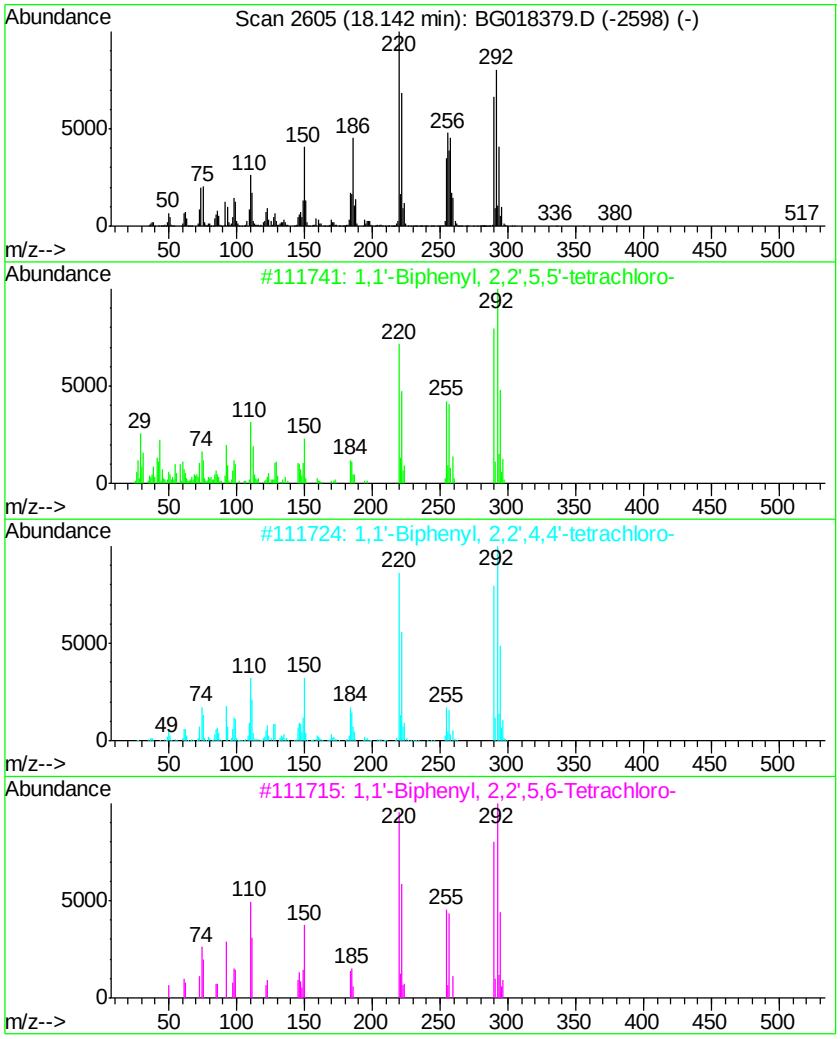
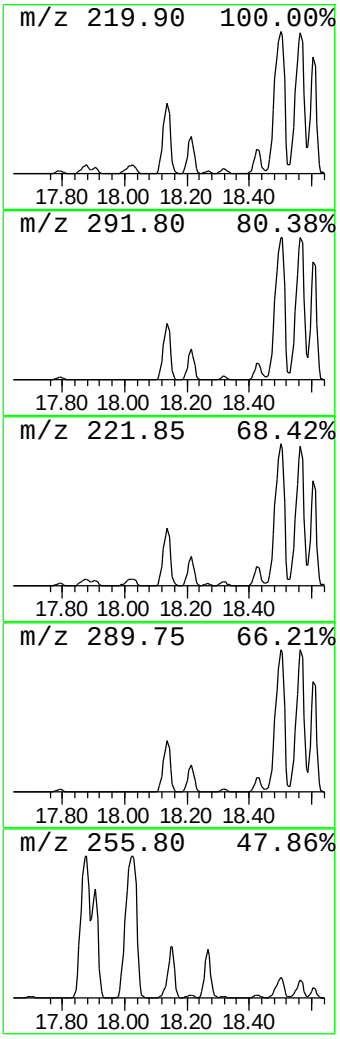
Peak Number 31 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	90.91 ng/ul	15140200	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',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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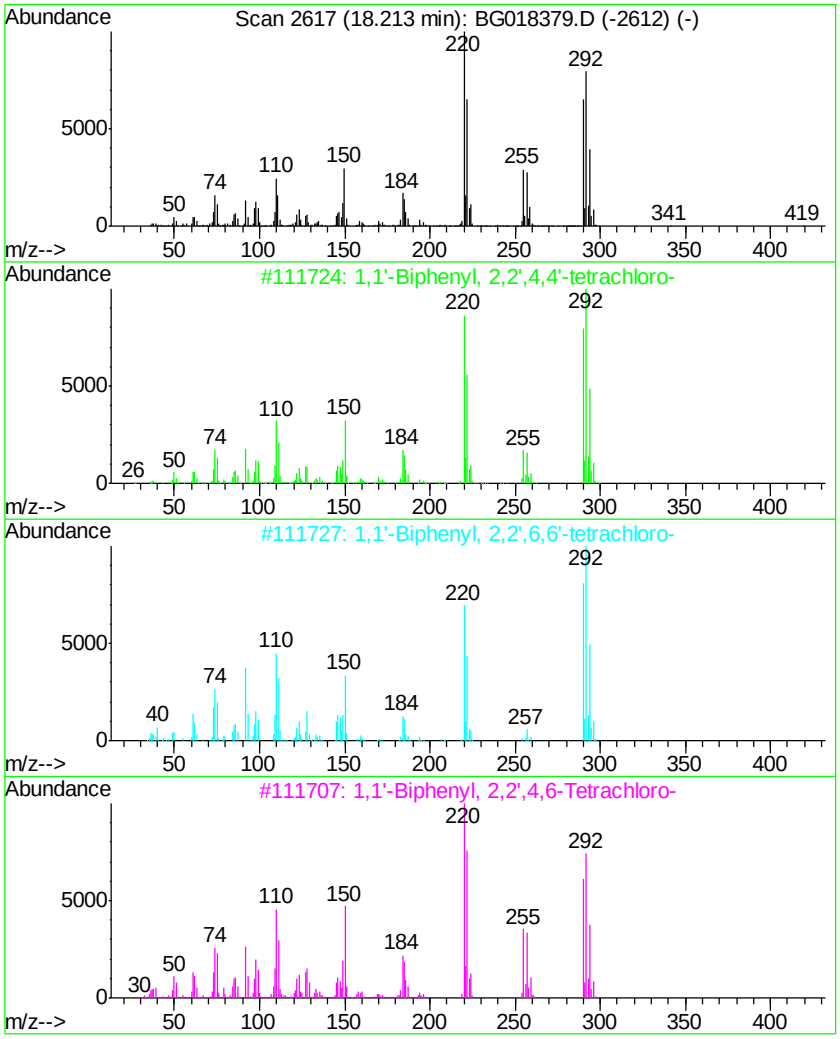
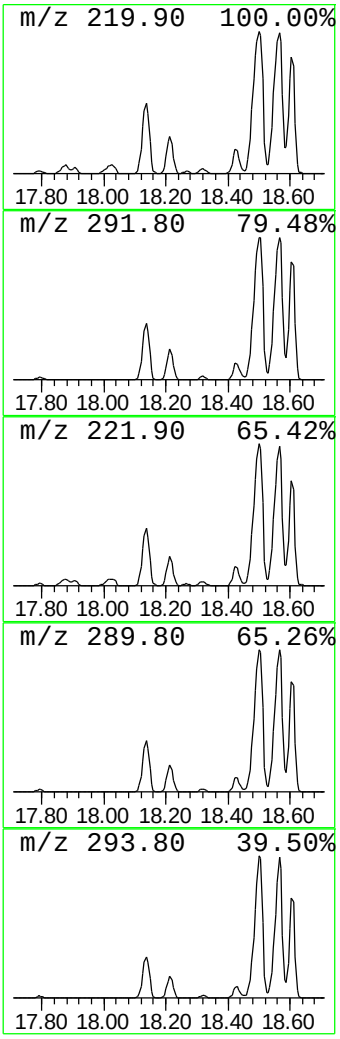
Peak Number 32 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	30.80 ng/ul	5129640	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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Sample : G3109-12
Misc :
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Instrument : BNA_G
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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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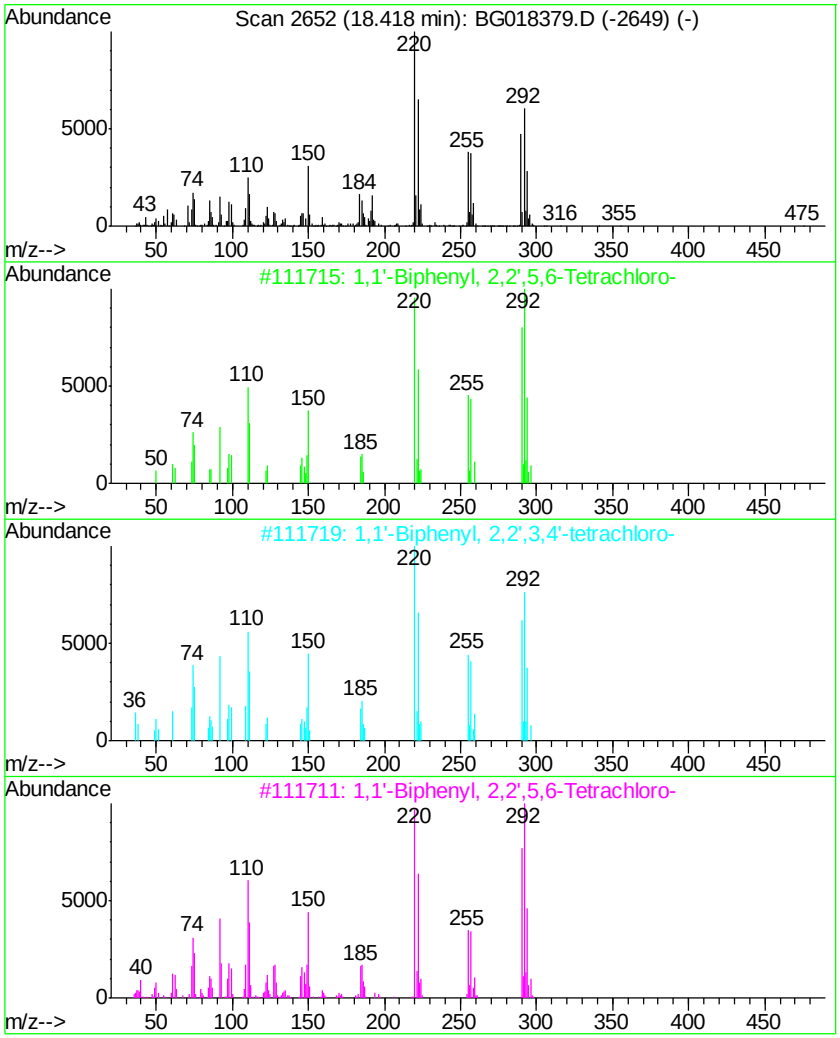
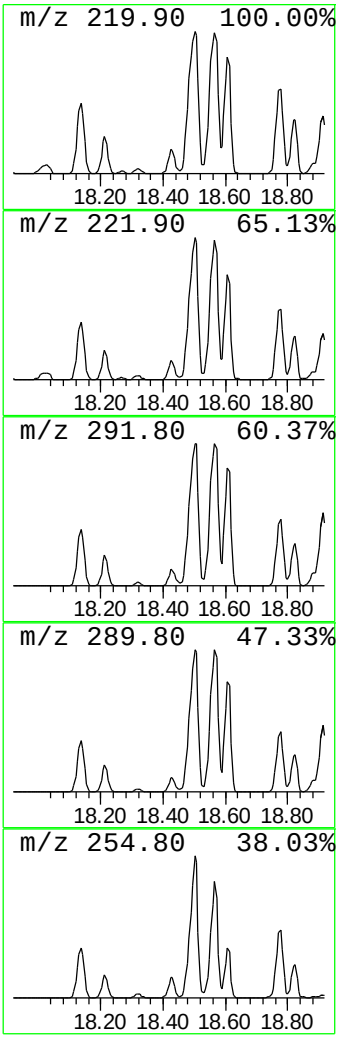
Peak Number 34 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	20.68 ng/ul	3444000	Phenanthrene-d10	17.41

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',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99





Library Search Compound Report

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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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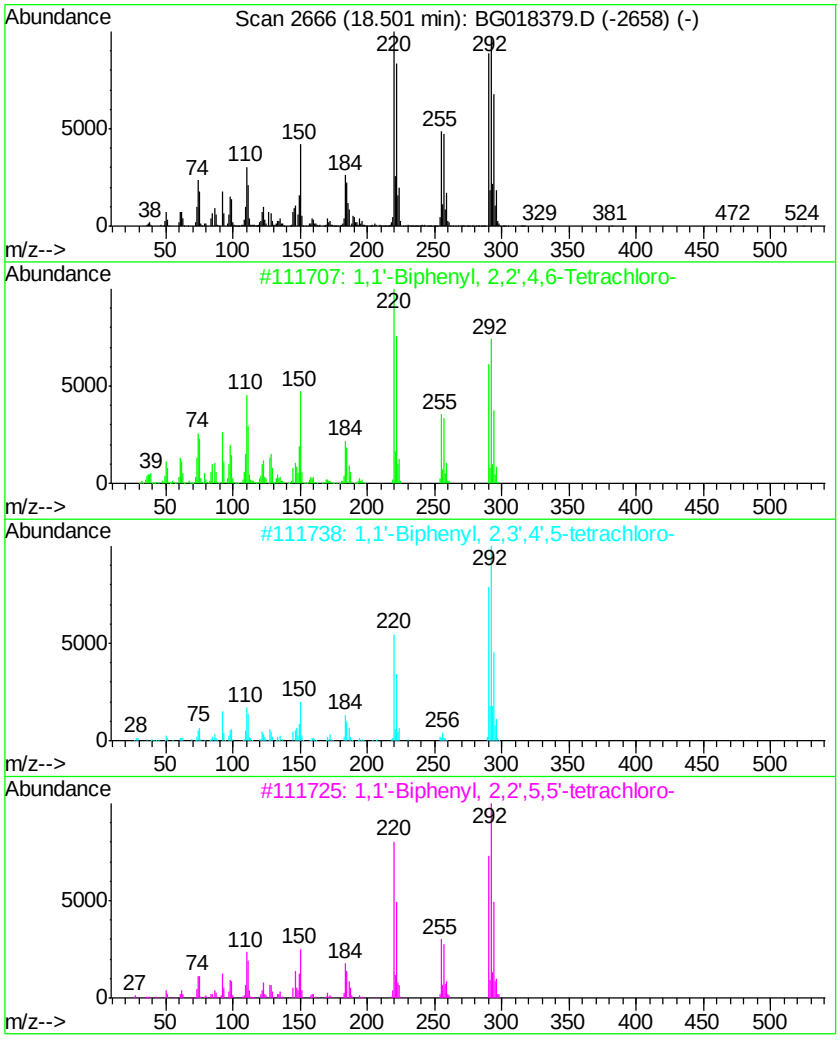
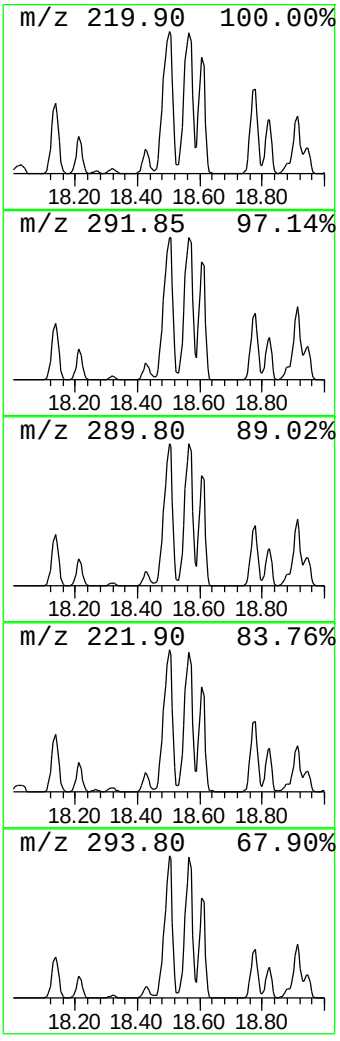
Peak Number 35 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	229.99 ng/ul	38302800	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	98
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	98





Tentatively Identified Compound (LSC) summary

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Data File : BG018379.D
Acq On : 11 Aug 2015 13:35
Operator : UM/MA
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Instrument : BNA_G
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	7.13	2.2	ng/ul	980335	1	8.04	8815000	20.0
Benzene, 1,2,3-tr...	7.69	4.3	ng/ul	1909480	1	8.04	8815000	20.0
unknown-01	10.26	8.7	ng/ul	678228	2	10.85	1565810	20.0
Benzene, 1-methox...	10.31	7.2	ng/ul	565905	2	10.85	1565810	20.0
unknown-02	11.26	4.7	ng/ul	369161	2	10.85	1565810	20.0
unknown-03	11.40	5.8	ng/ul	455414	2	10.85	1565810	20.0
Naphthalene, 1,6-...	13.98	9.3	ng/ul	803980	3	14.66	1728570	20.0
Naphthalene, 2,7-...	14.21	5.2	ng/ul	445790	3	14.66	1728570	20.0
unknown-04	14.50	8.9	ng/ul	773366	3	14.66	1728570	20.0
(DEL) Alkane: Str...	14.56	10.0	ng/ul	867009	3	14.66	1728570	20.0
(DEL) Alkane: Str...	15.19	5.6	ng/ul	481277	3	14.66	1728570	20.0
Naphthalene, 2,3,...	15.33	4.9	ng/ul	423436	3	14.66	1728570	20.0
Naphthalene, 1,2-...	15.46	10.3	ng/ul	889283	3	14.66	1728570	20.0
1,1'-Biphenyl, 2,...	15.92	48.6	ng/ul	4199520	3	14.66	1728570	20.0
(DEL) Alkane: Str...	16.40	13.3	ng/ul	2217630	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	16.52	26.2	ng/ul	4363170	4	17.41	3330810	20.0
1,1'-Biphenyl, 3,...	16.64	39.8	ng/ul	6619580	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	16.94	12.5	ng/ul	2084910	4	17.41	3330810	20.0
Naphthalene, 1,3,...	16.98	8.4	ng/ul	1401460	4	17.41	3330810	20.0
(DEL) Alkane: Str...	17.17	2.3	ng/ul	374726	4	17.41	3330810	20.0
2-Bromo dodecane	17.23	7.9	ng/ul	1311090	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	17.33	30.6	ng/ul	5087690	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	17.91	55.2	ng/ul	9186950	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	18.14	90.9	ng/ul	15140200	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	18.21	30.8	ng/ul	5129640	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	18.42	20.7	ng/ul	3444000	4	17.41	3330810	20.0
1,1'-Biphenyl, 2,...	18.50	230.0	ng/ul	38302800	4	17.41	3330810	20.0