LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028316.D
Acq On : 14 Aug 2017 14:06
Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.843	39	43	51	rVV5	11474	19751	1.01%	0.049%
2	4.484	146	152	157	rBV2	4334	6402	0.33%	0.016%
3	5.259	278	284	287	rBV	3394	5168	0.26%	0.013%
4	5.383	299	305	310	rVB4	2641	5319	0.27%	0.013%
5	6.452	476	487	494	rBV3	3501	9998	0.51%	0.025%
6	6.581	501	509	513	rBV4	2572	5139	0.26%	0.013%
7	6.763	532	540	543	rBV5	2976	5567	0.29%	0.014%
8	7.516	658	668	681	rVV	215835	412550	21.14%	1.015%
9	7.674	688	695	705	rVV	161382	272080	13.94%	0.670%
10	7.768	705	711	722	rVV	104818	179837	9.21%	0.443%
11	7.897	722	733	740	rVV	201510	374508	19.19%	0.922%
12	7.950	740	742	748	rVV3	6056	9137	0.47%	0.022%
13	8.250	784	793	803	rBV	267576	479129	24.55%	1.179%
14	8.362	803	812	823	rBV	163676	285024	14.60%	0.702%
15	8.814	882	889	892	rBV3	4454	8092	0.41%	0.020%
16	8.879	892	900	905	rVV	89202	218748	11.21%	0.538%
17	8.926	905	908	919	rVB2	48679	81782	4.19%	0.201%
18	9.061	919	931	935	rBV2	270582	513775	26.32%	1.265%
19	9.120	935	941	955	rVB	431550	796397	40.80%	1.960%
20	9.449	987	997	1004	rBV	345319	624784	32.01%	1.538%
21	9.531	1004	1011	1015	rVV	227439	424046	21.73%	1.044%
22	9.572	1015	1018	1027	rVB	138306	236138	12.10%	0.581%
23	10.259	1123	1135	1136	rBV	199587	334979	17.16%	0.825%
24	10.283	1136	1139	1143	rVV	244419	468544	24.01%	1.153%
25	10.330	1143	1147	1161	rVV	277996	541947	27.77%	1.334%
26	10.565	1178	1187	1195	rBV	141278	241407	12.37%	0.594%
27	10.800	1216	1227	1244	rBV2	316170	1000455	51.26%	2.463%
28	11.041	1257	1268	1276	rBV2	249987	457044	23.42%	1.125%
29	11.182	1284	1292	1303	rVB	240464	450353	23.07%	1.109%
30	11.335	1303	1318	1328	rBV2	586360	1566985	80.28%	3.857%
31	12.198	1457	1465	1486	rBV	568779	1153371	59.09%	2.839%
32	12.739	1548	1557	1562	rBV5	5415	10130	0.52%	0.025%
33	12.809	1562	1569	1580	rVB	408759	719089	36.84%	1.770%
34	12.933	1582	1590	1600	rBV2	45571	92514	4.74%	0.228%

LSC Area Percent Report

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Acq On : 14 Aug 2017 14:06
Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	13.033	1600	1607	1615	rVB5	16264	30747	1.58%	0.076%
36	13.144	1618	1626	1642	rVB	425032	697973	35.76%	1.718%
37	13.409	1662	1671	1683	rBV	250941	416427	21.34%	1.025%
38	13.849	1739	1746	1763	rVB	262768	420782	21.56%	1.036%
39	14.055	1768	1781	1800	rBV	730867	1243100	63.69%	3.060%
40	14.355	1822	1832	1837	rBV	614479	999617	51.21%	2.461%
41	14.402	1837	1840	1851	rVB	581522	867825	44.46%	2.136%
42	14.537	1856	1863	1870	rVB	204979	324193	16.61%	0.798%
43	14.666	1874	1885	1894	rBV	642542	1035970	53.08%	2.550%
44	14.872	1912	1920	1930	rBV	708381	1226419	62.83%	3.019%
45	14.966	1930	1936	1947	rVB2	407186	706837	36.21%	1.740%
46	15.077	1947	1955	1963	rBV	501871	838361	42.95%	2.064%
47	15.177	1963	1972	1993	rVB2	704574	1519829	77.87%	3.741%
48	15.389	2003	2008	2017	rVB8	13646	26753	1.37%	0.066%
49	15.594	2037	2043	2052	rVB5	6438	16588	0.85%	0.041%
50	15.747	2067	2069	2074	rVB2	3886	4836	0.25%	0.012%
51	15.959	2095	2105	2108	rBV	874072	1425641	73.04%	3.509%
52	15.994	2109	2111	2114	rVV	346354	395999	20.29%	0.975%
53	16.035	2114	2118	2122	rVV	440625	804304	41.21%	1.980%
54	16.088	2122	2127	2141	rVV3	844827	1610438	82.51%	3.964%
55	16.200	2141	2146	2151	rVB4	12558	24859	1.27%	0.061%
56	16.317	2162	2166	2171	rVB4	3633	5655	0.29%	0.014%
57	16.593	2208	2213	2219	rBV2	12984	20555	1.05%	0.051%
58	16.893	2255	2264	2280	rVV	1316160	1951839	100.00%	4.804%
59	17.228	2314	2321	2326	rVB3	2587	6539	0.34%	0.016%
60	17.598	2378	2384	2389	rVB3	3625	7542	0.39%	0.019%
61	17.715	2394	2404	2413	rBV	564246	898929	46.06%	2.213%
62	17.815	2413	2421	2432	rVV	984001	1575133	80.70%	3.877%
63	17.968	2442	2447	2454	rVB5	2759	6989	0.36%	0.017%
64	18.050	2454	2461	2465	rBV3	2685	5904	0.30%	0.015%
65	18.256	2491	2496	2502	rBV	95101	132076	6.77%	0.325%
66	18.321	2502	2507	2515	rVB7	5974	12050	0.62%	0.030%
67	18.685	2560	2569	2578	rVV	516356	650087	33.31%	1.600%
68	19.272	2662	2669	2675	rVB9	19592	31557	1.62%	0.078%
69	19.407	2688	2692	2694	rBV5	3741	5914	0.30%	0.015%
70	19.613	2724	2727	2729	rBV3	4268	5713	0.29%	0.014%
71	19.719	2741	2745	2751	rVB3	11897	20107	1.03%	0.049%

LSC Area Percent Report

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Acq On : 14 Aug 2017 14:06
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Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	19.760	2751	2752	2757	rBV4	4105	5860	0.30%	0.014%
73	19.848	2765	2767	2773	rVB7	4644	5368	0.28%	0.013%
74	19.919	2773	2779	2781	rVB7	5647	11828	0.61%	0.029%
75	19.972	2782	2788	2794	rVB4	10854	25377	1.30%	0.062%
76	20.089	2800	2808	2819	rBV	1203303	1822683	93.38%	4.486%
77	20.207	2824	2828	2831	rVB6	6456	8927	0.46%	0.022%
78	20.248	2832	2835	2839	rVB6	8227	9990	0.51%	0.025%
79	20.301	2839	2844	2849	rBV9	12498	28658	1.47%	0.071%
80	20.483	2873	2875	2879	rVB5	7654	8085	0.41%	0.020%
81	20.565	2887	2889	2890	rBV2	5553	4647	0.24%	0.011%
82	20.641	2899	2902	2903	rBV3	7052	7985	0.41%	0.020%
83	20.706	2908	2913	2918	rBV	33600	56321	2.89%	0.139%
84	20.765	2918	2923	2927	rVV8	8602	19670	1.01%	0.048%
85	21.170	2985	2992	3000	rVB	1050993	1447416	74.16%	3.563%
86	21.928	3114	3121	3133	rBV	474973	860532	44.09%	2.118%
87	22.051	3134	3142	3156	rVB	540582	1019098	52.21%	2.508%
88	22.328	3183	3189	3195	rVB9	16337	30663	1.57%	0.075%
89	22.610	3234	3237	3239	rVB4	6628	7965	0.41%	0.020%
90	23.603	3402	3406	3415	rVB8	22879	50069	2.57%	0.123%
91	23.791	3436	3438	3440	rBV3	7507	6039	0.31%	0.015%
92	24.472	3548	3554	3561	rVB7	30136	69302	3.55%	0.171%
93	25.324	3687	3699	3721	rBV	487202	1648238	84.45%	4.057%
94	25.559	3724	3739	3762	rVB2	242202	974638	49.93%	2.399%
95	26.740	3927	3940	3952	rVB3	44417	157576	8.07%	0.388%
96	28.232	4182	4194	4209	rVB5	48871	201492	10.32%	0.496%
97	30.024	4488	4499	4508	rVB9	29300	112060	5.74%	0.276%
98	31.070	4675	4677	4680	rBV4	7871	9369	0.48%	0.023%
99	31.523	4752	4754	4756	rBV3	11360	8324	0.43%	0.020%
100	32.169	4860	4864	4867	rBV5	13480	23992	1.23%	0.059%

Sum of corrected areas: 40626448

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
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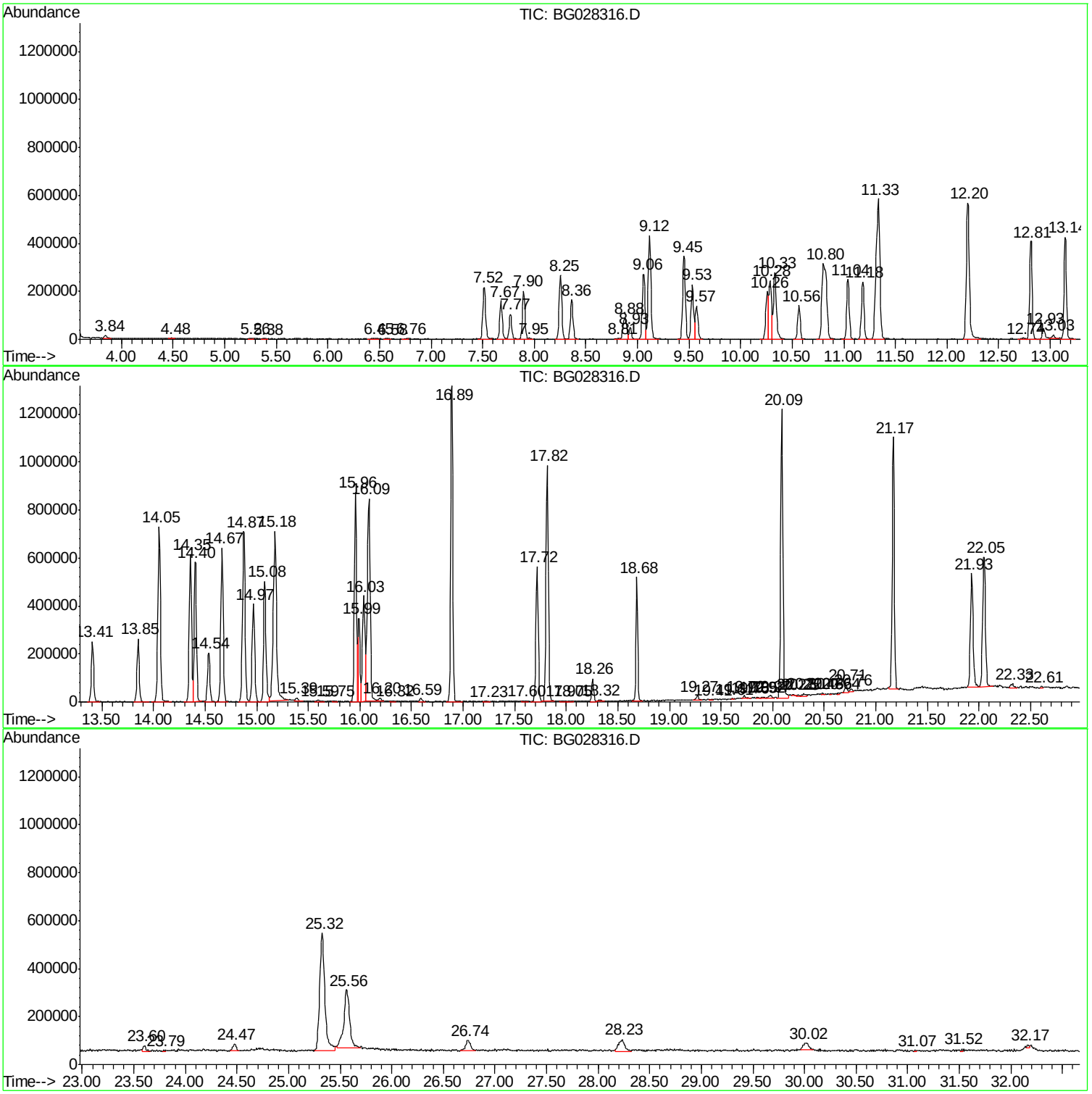
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

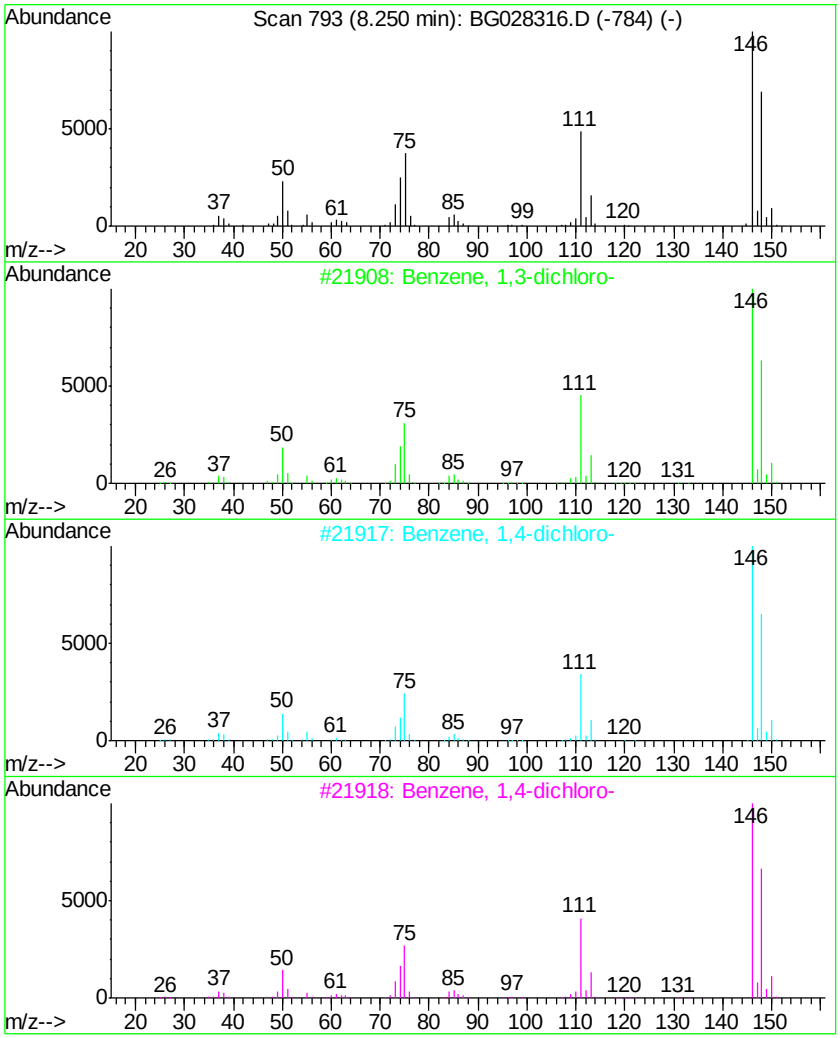
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

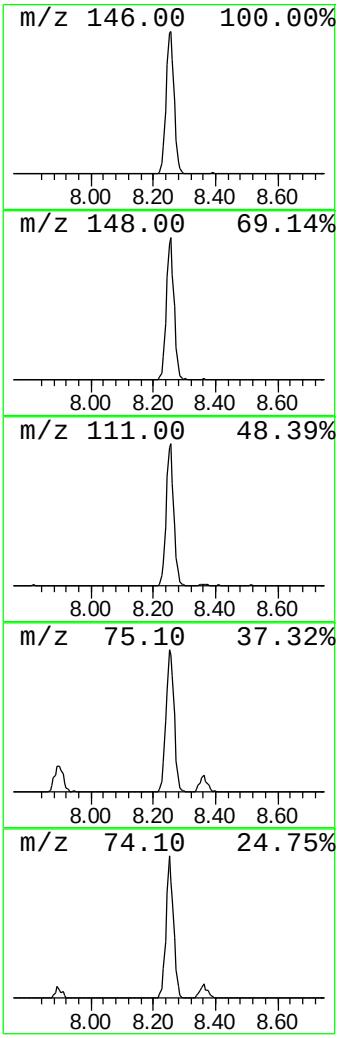
****

Peak Number 1 Benzene, 1,3-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	33.62 ng/ul	479129	1,4-Dichlorobenzene-d4	8.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	98
2	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	97
3	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96
4	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	96
5	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028316.D
Acq On : 14 Aug 2017 14:06
Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

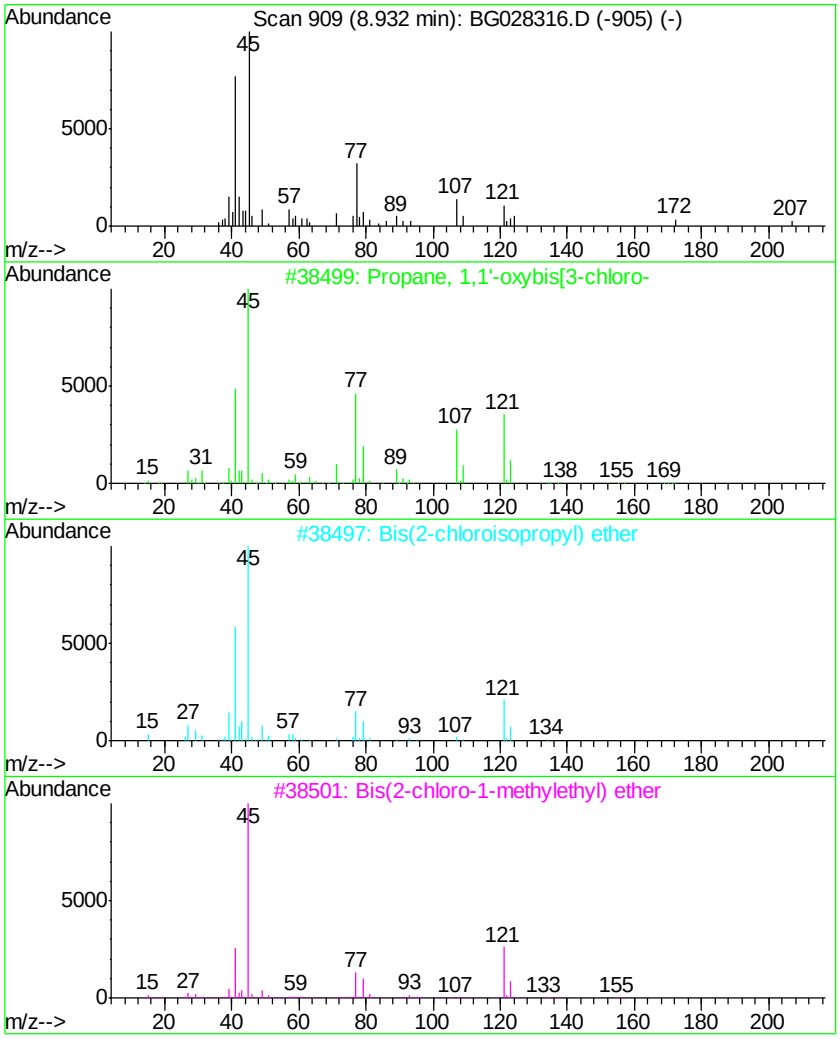
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

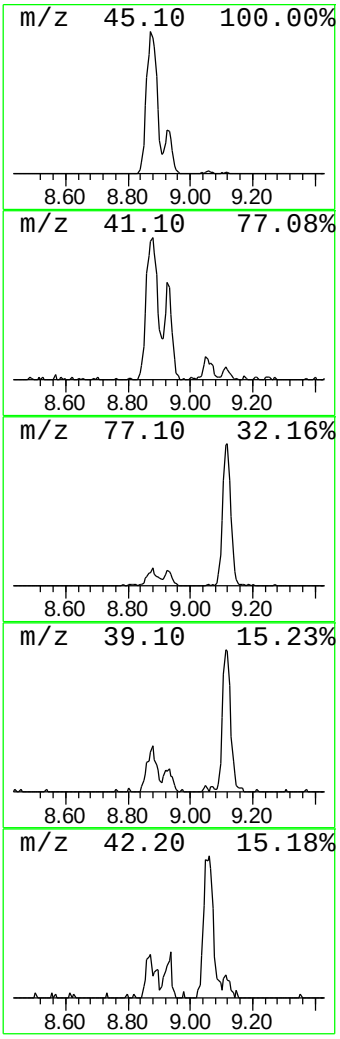
****

Peak Number 2 Propane, 1,1'-oxybis[3-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	5.74 ng/ul	81782	1,4-Dichlorobenzene-d4	8.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1'-oxybis[3-chloro-	170	C6H12Cl2O	000629-36-7	74
2	Bis(2-chloroisopropyl) ether	170	C6H12Cl2O	039638-32-9	64
3	Bis(2-chloro-1-methylethyl) ether	170	C6H12Cl2O	000108-60-1	59
4	Bis(2-chloroisopropyl) ether	170	C6H12Cl2O	039638-32-9	56
5	2-Methyl-4-methoxy-1-butanol	118	C6H14O2	071052-94-3	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
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Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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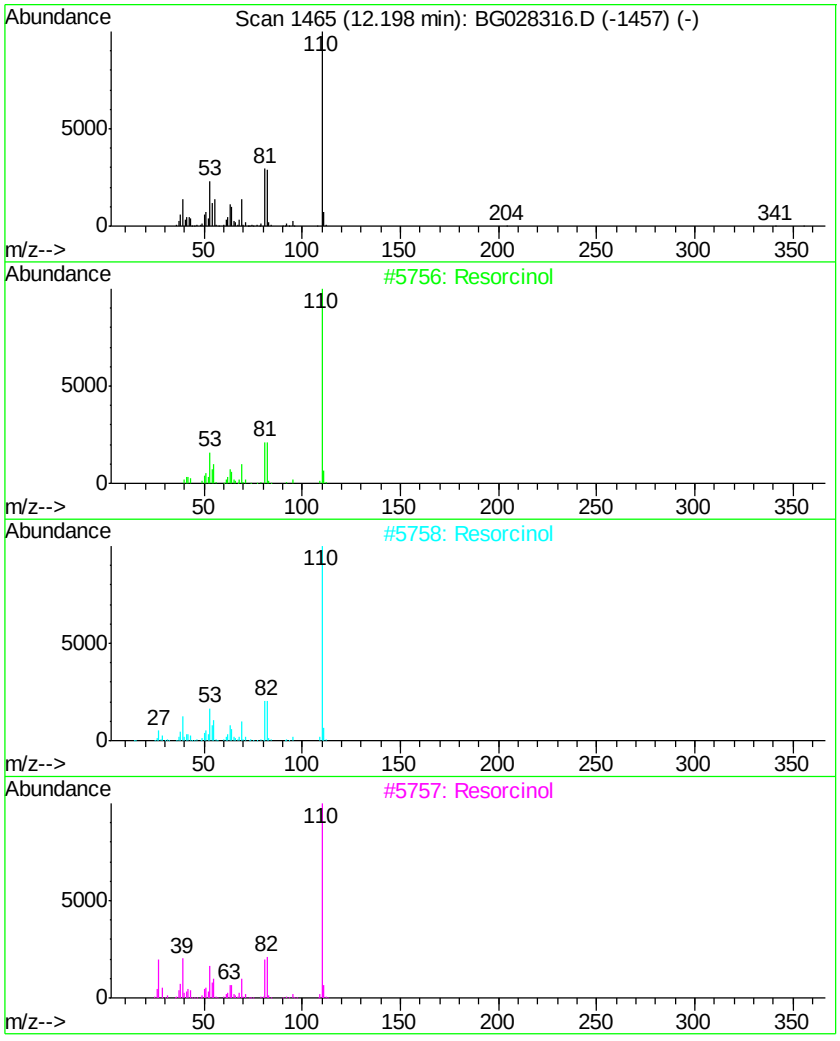
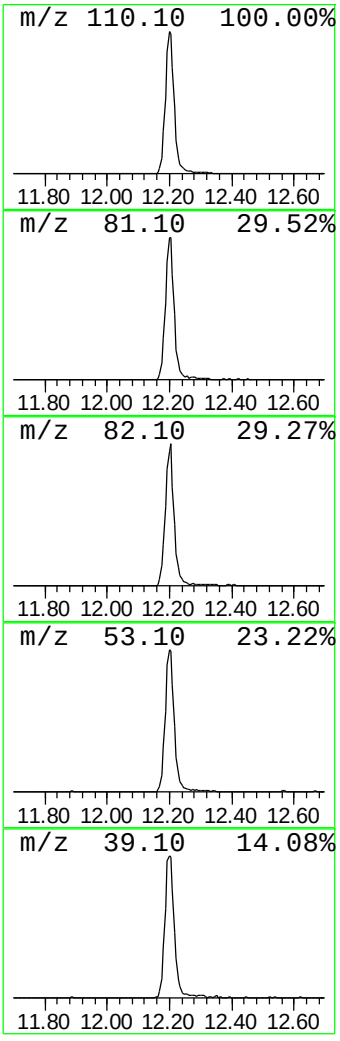
Peak Number 4 Resorcinol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	51.22 ng/ul	1153370	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Resorcinol	110	C6H6O2	000108-46-3	95
2	Resorcinol	110	C6H6O2	000108-46-3	95
3	Resorcinol	110	C6H6O2	000108-46-3	94
4	Resorcinol	110	C6H6O2	000108-46-3	90
5	Hydroquinone	110	C6H6O2	000123-31-9	83





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Acq On : 14 Aug 2017 14:06
Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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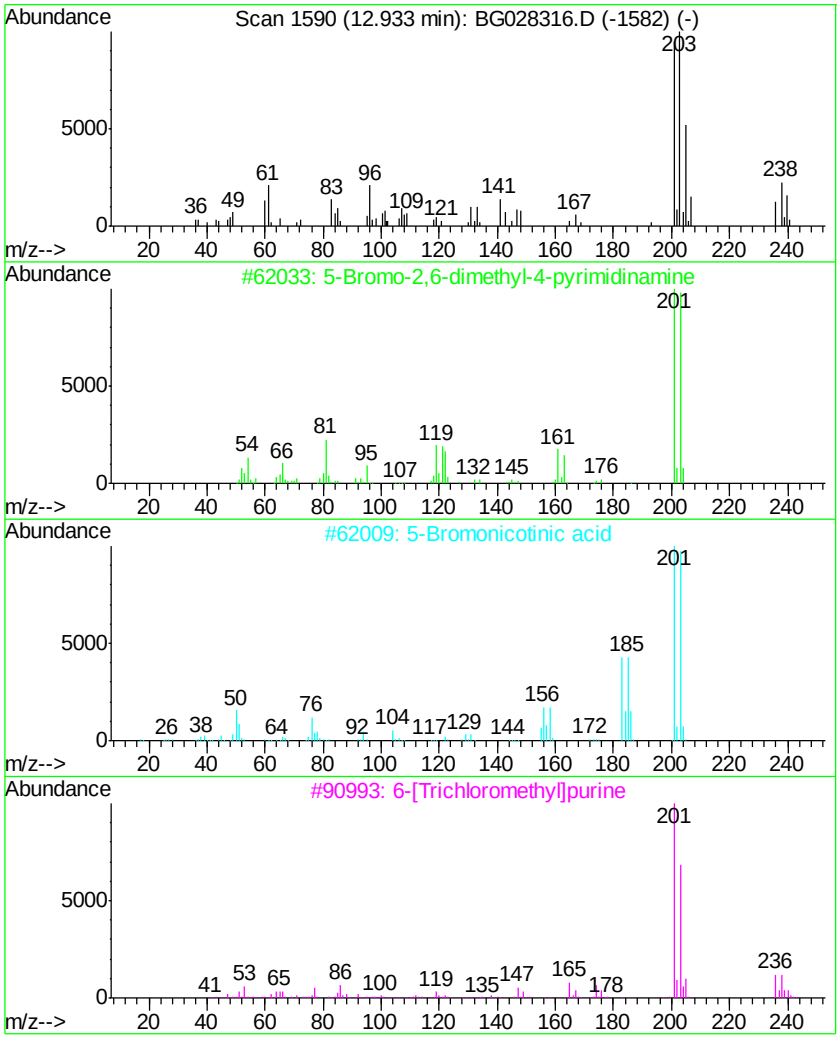
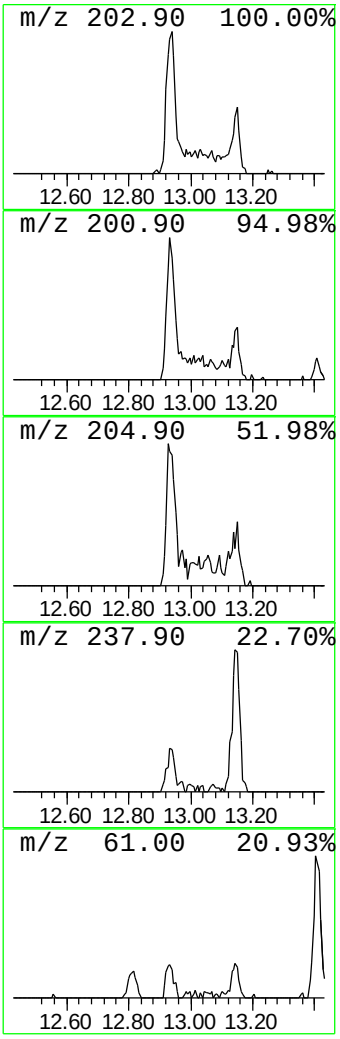
Peak Number 5 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	4.11 ng/ul	92514	Naphthalene-d8	11.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2,6-dimethyl-4-pyrimidin...	201	C6H8BrN3	007752-80-9	38
2	5-Bromonicotinic acid	201	C6H4BrNO2	020826-04-4	32
3	6-[Trichloromethyl]purine	236	C6H3Cl3N4	002568-37-8	32
4	2-Amino-5,6-dichlorobenzimidazole	201	C7H5Cl2N3	018672-03-2	27
5	2,4-Dichlorophenyl isothiocyanate	203	C7H3Cl2NS	006590-96-1	27





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028316.D
Acq On : 14 Aug 2017 14:06
Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

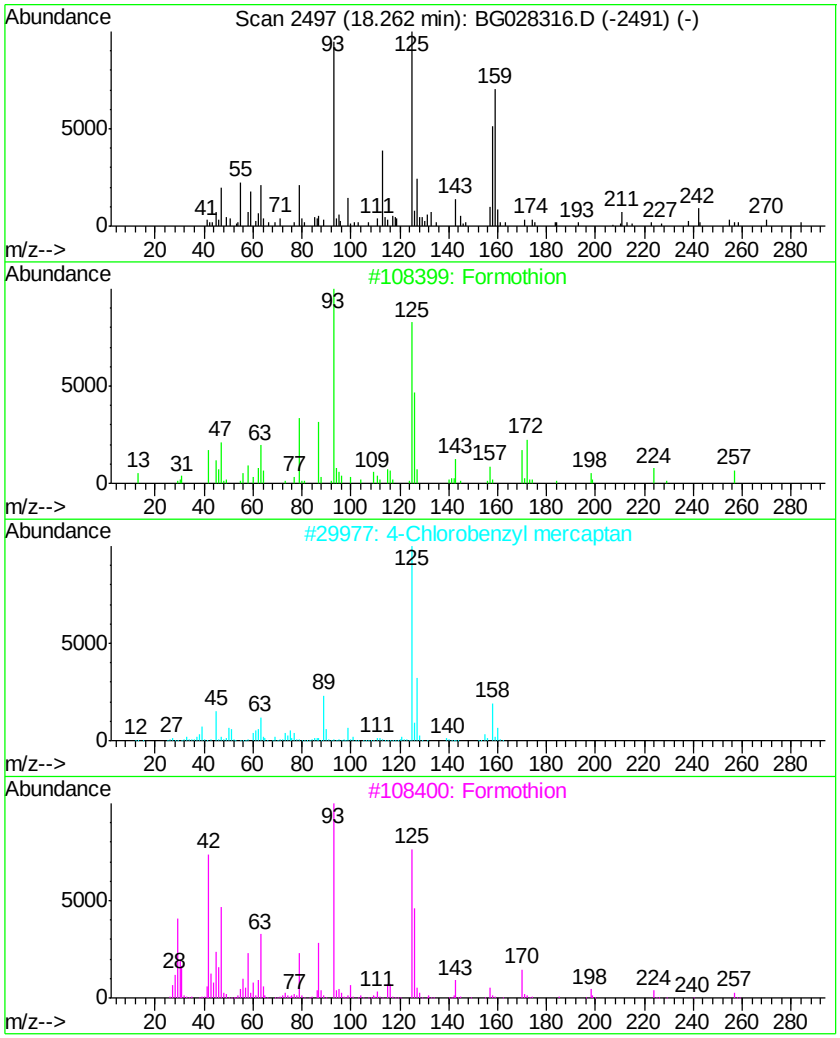
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

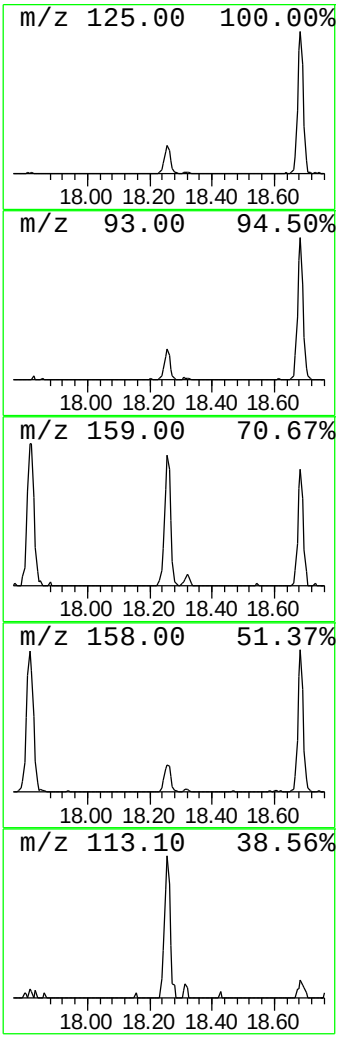
****

Peak Number 6 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	2.94 ng/ul	132076	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formothion	257	C6H12NO4PS2	002540-82-1	37
2	4-Chlorobenzyl mercaptan	158	C7H7ClS	006258-66-8	27
3	Formothion	257	C6H12NO4PS2	002540-82-1	25
4	2-Chlorobenzyl mercaptan	158	C7H7ClS	017733-22-1	22
5	Silane, dichloroethenylmethyl-	140	C3H6Cl2Si	000124-70-9	12





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028316.D
Acq On : 14 Aug 2017 14:06
Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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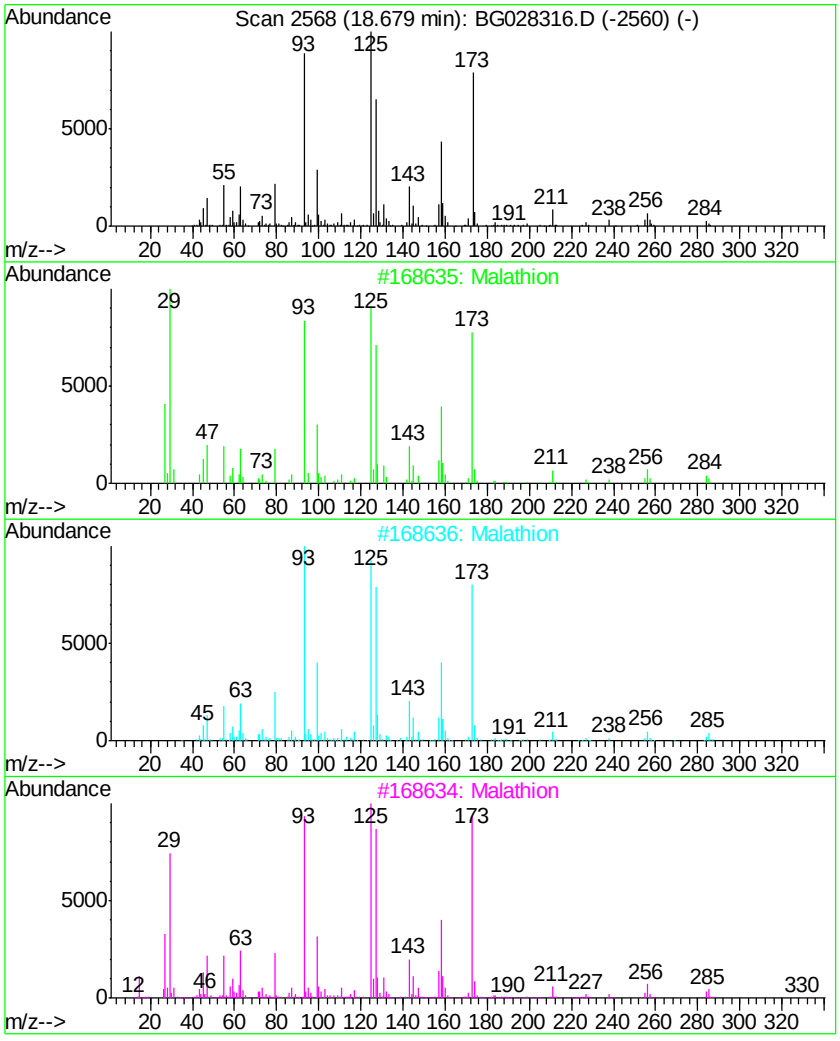
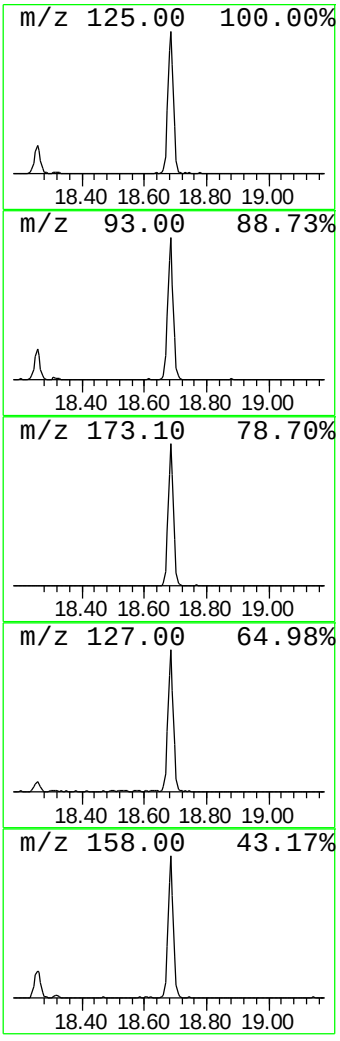
Peak Number 7 Malathion Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	14.46 ng/ul	650087	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Malathion	330	C10H19O6PS2	000121-75-5	94
2	Malathion	330	C10H19O6PS2	000121-75-5	91
3	Malathion	330	C10H19O6PS2	000121-75-5	90
4	Malathion	330	C10H19O6PS2	000121-75-5	53
5	Malathion	330	C10H19O6PS2	000121-75-5	49





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
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Acq On : 14 Aug 2017 14:06
Operator : SJ/JU
Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

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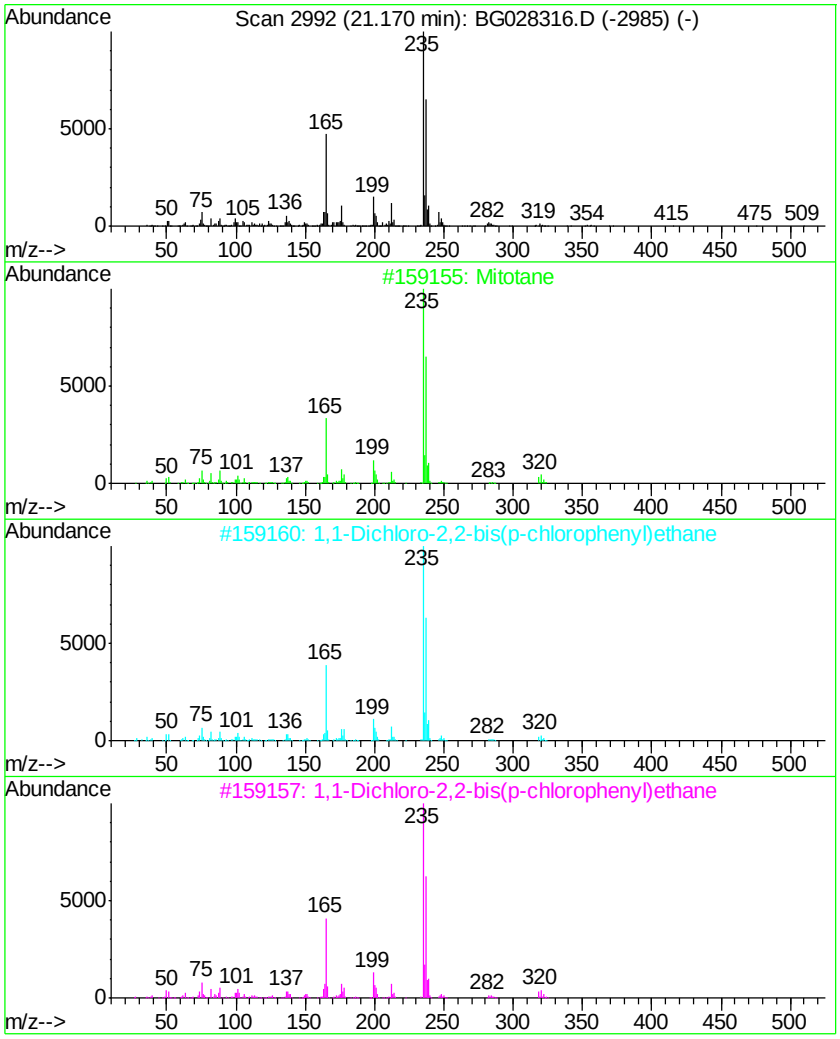
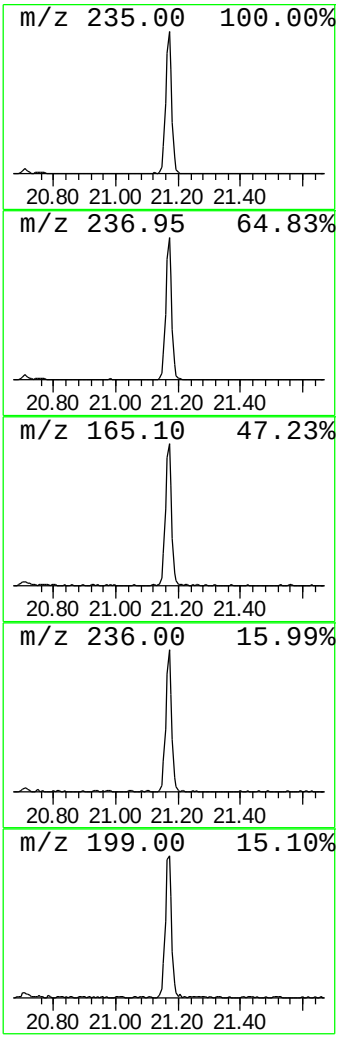
Peak Number 8 Mitotane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.17	28.41 ng/ul	1447420	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mitotane	318	C14H10Cl4	000053-19-0	96
2	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
3	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
4	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
5	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91





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Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

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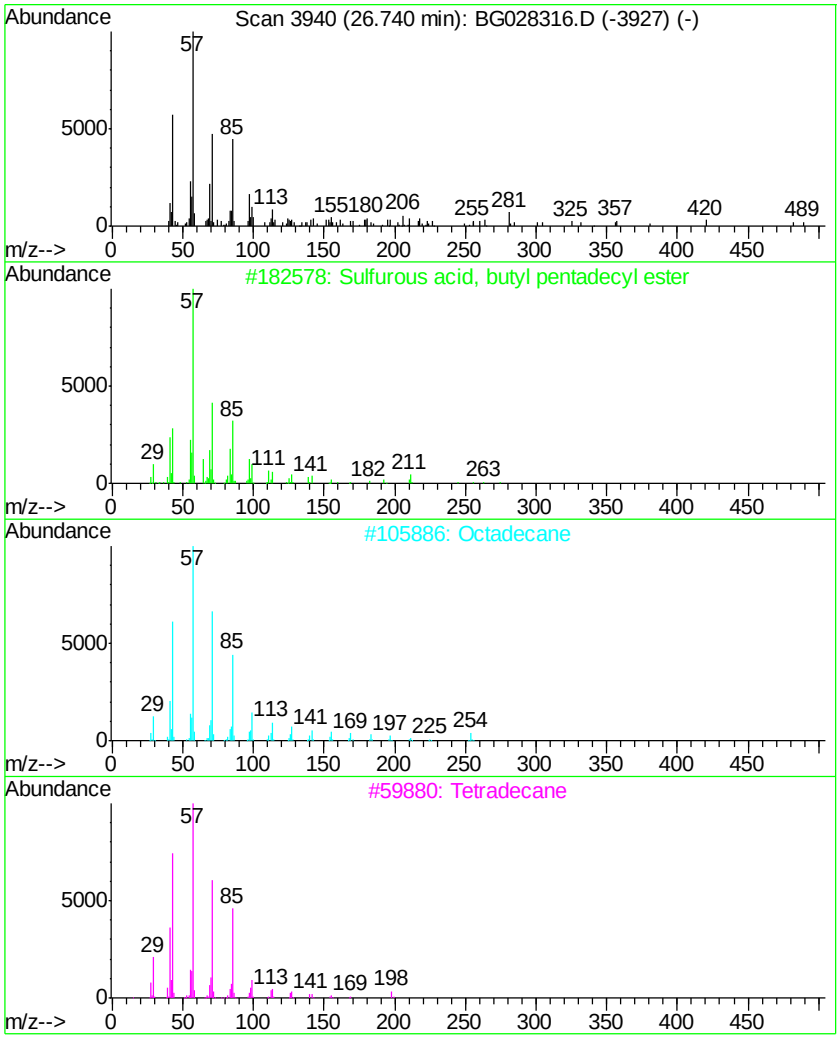
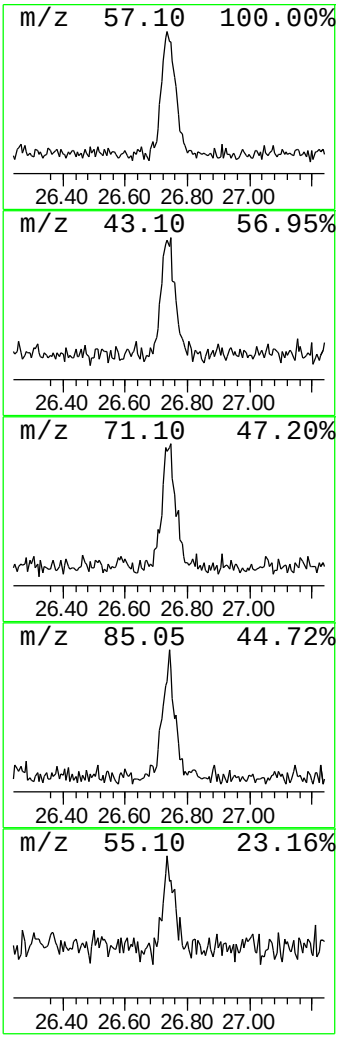
Peak Number 9 Sulfurous acid, butyl penta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.74	3.23 ng/ul	157576	Perylene-d12	25.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	64
2	Octadecane	254	C18H38	000593-45-3	64
3	Tetradecane	198	C14H30	000629-59-4	64
4	Eicosane	282	C20H42	000112-95-8	60
5	Pentadecane	212	C15H32	000629-62-9	59





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

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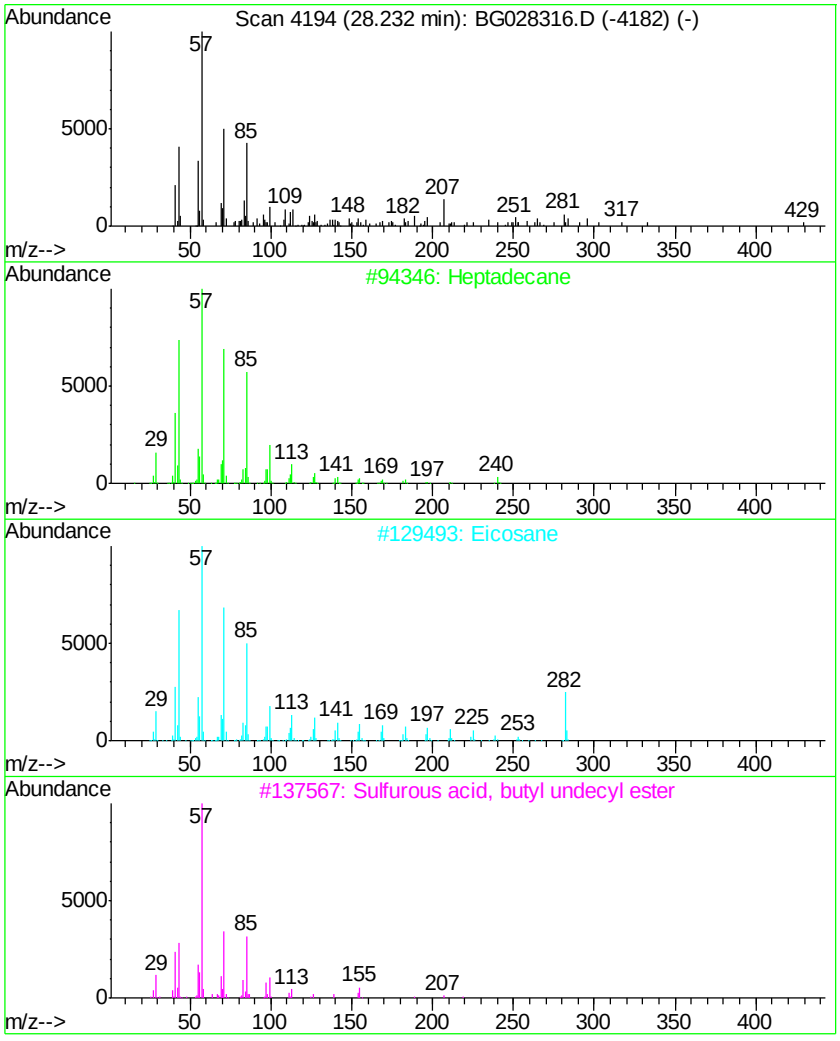
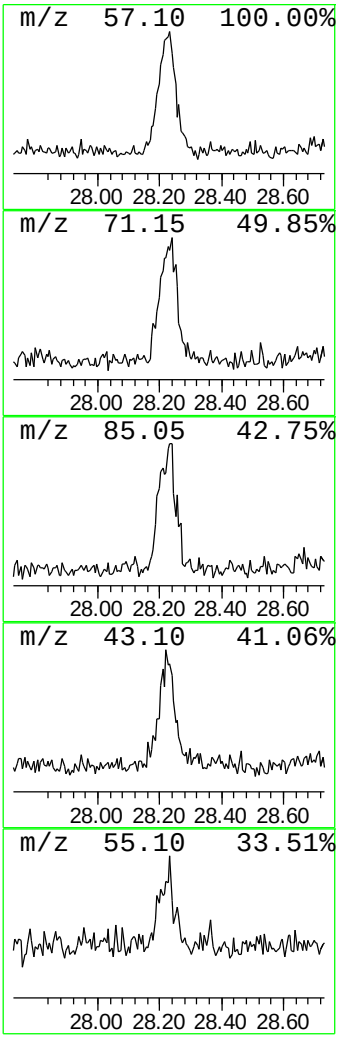
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.23	4.13 ng/ul	201492	Perylene-d12	25.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	86
2	Eicosane	282	C20H42	000112-95-8	58
3	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	58
4	Hexacosane	366	C26H54	000630-01-3	58
5	Eicosane	282	C20H42	000112-95-8	58





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Sample : I4489-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2A52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
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TIC Library : C:\DATABASE\NIST11.L
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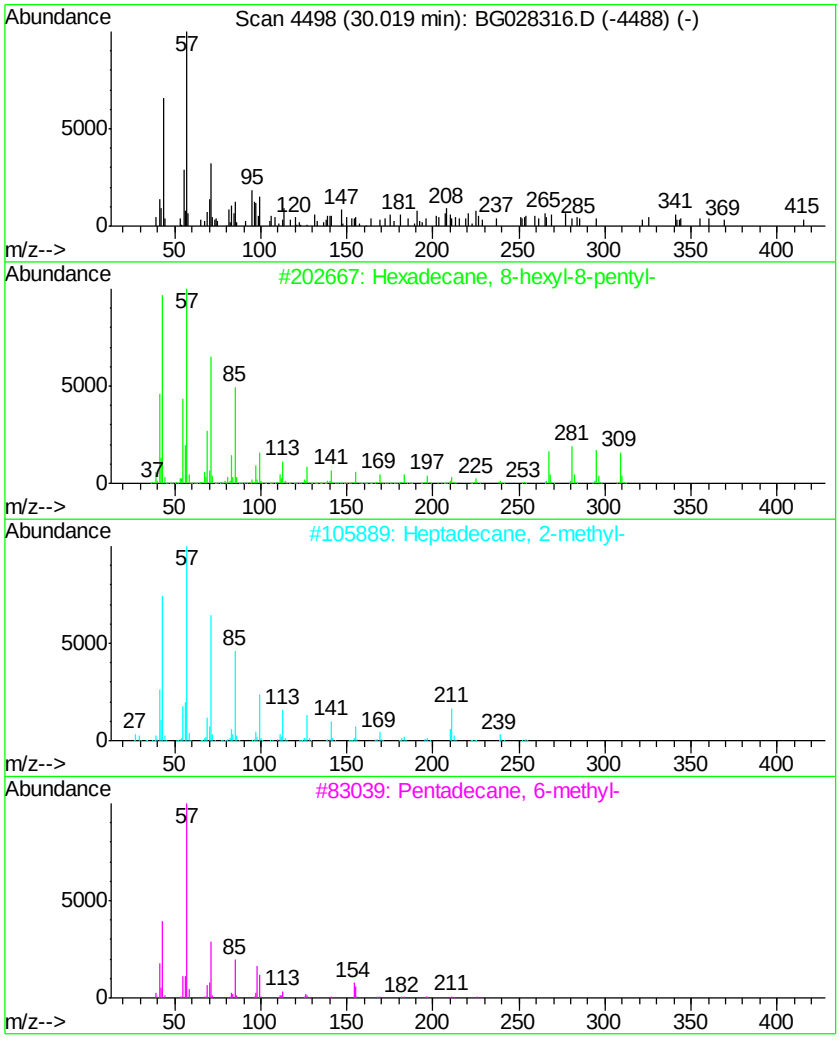
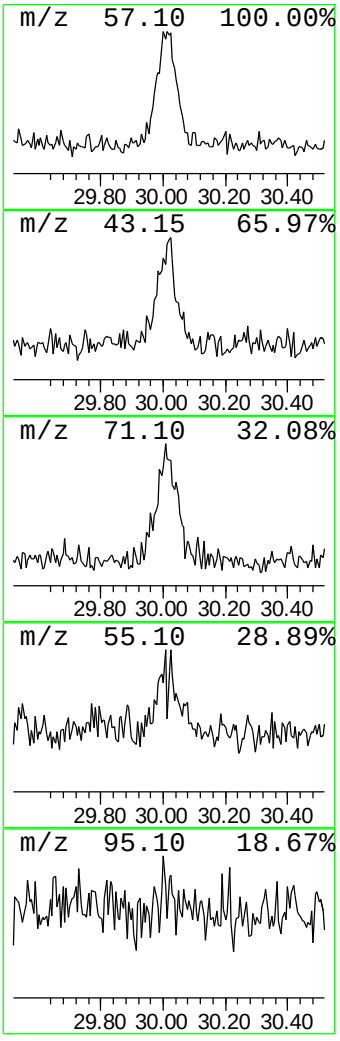
Peak Number 11 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.02	2.30 ng/ul	112060	Perylene-d12	25.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 8-hexyl-8-pentyl-	380	C27H56	055282-29-6	27
2	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	27
3	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	27
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	27
5	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	27





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dich...	8.25	33.6	ng/ul	479129	1	8.36	285024	20.0
Propane, 1,1'-oxy...	8.93	5.7	ng/ul	81782	1	8.36	285024	20.0
Resorcinol	12.20	51.2	ng/ul	1153370	2	11.18	450353	20.0
unknown-01	12.93	4.1	ng/ul	92514	2	11.18	450353	20.0
unknown-02	18.26	2.9	ng/ul	132076	4	17.72	898929	20.0
Malathion	18.68	14.5	ng/ul	650087	4	17.72	898929	20.0
Mitotane	21.17	28.4	ng/ul	1447420	5	22.05	1019100	20.0
Sulfurous acid, b...	26.74	3.2	ng/ul	157576	6	25.56	974638	20.0
(DEL) Alkane: Str...	28.23	4.1	ng/ul	201492	6	25.56	974638	20.0
unknown-03	30.02	2.3	ng/ul	112060	6	25.56	974638	20.0