LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

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-BG012716.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.966	17	22	33	rVB	20810	40592	6.22%	0.393%
2	3.260	67	72	81	rBV	39740	71313	10.94%	0.690%
3	3.336	81	85	94	rVB	20042	30414	4.66%	0.294%
4	3.618	129	133	139	rVB2	3502	5016	0.77%	0.049%
5	4.317	248	252	258	rVB3	2658	4587	0.70%	0.044%
6	4.364	258	260	262	rBV2	644	742	0.11%	0.007%
7	4.646	307	308	313	rVB2	676	941	0.14%	0.009%
8	4.693	313	316	319	rBV3	911	1174	0.18%	0.011%
9	4.899	347	351	353	rVB2	465	662	0.10%	0.006%
10	5.275	413	415	420	rVB	737	880	0.13%	0.009%
11	5.651	475	479	482	rBV2	566	774	0.12%	0.007%
12	5.715	486	490	492	rBV2	499	755	0.12%	0.007%
13	5.909	522	523	527	rBV	729	653	0.10%	0.006%
14	7.260	750	753	757	rBV	495	942	0.14%	0.009%
15	7.407	770	778	785	rBV	66022	109778	16.83%	1.062%
16	7.589	802	809	819	rBV	64812	105331	16.15%	1.019%
17	7.801	837	845	853	rBV	66249	108044	16.57%	1.045%
18	8.001	877	879	883	rBV2	563	713	0.11%	0.007%
19	8.277	919	926	933	rBV	49361	80919	12.41%	0.783%
20	8.335	933	936	941	rVV2	353	766	0.12%	0.007%
21	8.400	944	947	951	rVB	541	771	0.12%	0.007%
22	8.512	963	966	970	rVB	1249	1730	0.27%	0.017%
23	8.706	992	999	1006	rVB	106106	174821	26.81%	1.691%
24	8.970	1036	1044	1049	rBV	94704	163300	25.04%	1.579%
25	9.029	1049	1054	1062	rVB	110290	181036	27.76%	1.751%
26	9.446	1117	1125	1133	rBV	61090	104487	16.02%	1.011%
27	10.174	1242	1249	1256	rBV	33641	56735	8.70%	0.549%
28	10.438	1289	1294	1297	rBV	460	848	0.13%	0.008%
29	10.709	1332	1340	1348	rVB	83173	143070	21.94%	1.384%
30	11.102	1400	1407	1411	rVV	83895	144541	22.16%	1.398%
31	11.155	1411	1416	1422	rVV	97984	171571	26.31%	1.659%
32	11.232	1422	1429	1441	rVB2	117214	293423	44.99%	2.838%
33	11.437	1458	1464	1471	rVB	63114	104281	15.99%	1.009%
34	12.013	1555	1562	1576	rBV2	18186	49404	7.58%	0.478%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

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-BG012716.M
Title : SVOA CALIBRATION

35	12.665	1668	1673	1679	rBV2	1332	1768	0.27%	0.017%
36	13.199	1760	1764	1768	rBV	385	813	0.12%	0.008%
37	13.393	1790	1797	1808	rBV	157330	241147	36.98%	2.332%
38	13.593	1826	1831	1834	rBB	353	657	0.10%	0.006%
39	14.180	1926	1931	1936	rVB2	2457	3795	0.58%	0.037%
40	14.286	1942	1949	1953	rBV	205985	301896	46.29%	2.920%
41	14.333	1953	1957	1964	rVB	171551	240677	36.91%	2.328%
42	14.451	1971	1977	1983	rBV	123142	174727	26.79%	1.690%
43	14.586	1993	2000	2011	rVV	239470	369377	56.64%	3.572%
44	14.885	2045	2051	2058	rBV2	138081	221174	33.92%	2.139%
45	15.050	2072	2079	2086	rBV	91446	138541	21.24%	1.340%
46	15.150	2090	2096	2103	rVV	218307	319805	49.04%	3.093%
47	15.872	2213	2219	2223	rBV	317046	489553	75.07%	4.735%
48	15.925	2223	2228	2233	rVV2	362646	652124	100.00%	6.307%
49	15.984	2233	2238	2244	rVB3	68328	121584	18.64%	1.176%
50	16.107	2256	2259	2265	rVB	2295	2977	0.46%	0.029%
51	16.178	2268	2271	2278	rVB3	2313	3048	0.47%	0.029%
52	16.824	2377	2381	2383	rVV	534	908	0.14%	0.009%
53	16.865	2383	2388	2394	rVB	93237	116574	17.88%	1.127%
54	17.411	2477	2481	2483	rBV	763	959	0.15%	0.009%
55	17.447	2483	2487	2489	rVV	647	844	0.13%	0.008%
56	17.623	2511	2517	2521	rBV	188452	287819	44.14%	2.784%
57	17.664	2521	2524	2529	rVV	208719	285695	43.81%	2.763%
58	17.723	2529	2534	2542	rVB2	359748	527788	80.93%	5.104%
59	17.934	2568	2570	2571	rBV	800	672	0.10%	0.006%
60	17.946	2571	2572	2576	rVB	1056	661	0.10%	0.006%
61	18.586	2673	2681	2689	rBV	116342	175403	26.90%	1.696%
62	18.651	2689	2692	2695	rVB	736	962	0.15%	0.009%
63	19.015	2749	2754	2760	rBV	209361	279420	42.85%	2.702%
64	19.620	2852	2857	2861	rVB2	3155	4117	0.63%	0.040%
65	19.879	2896	2901	2902	rBV2	2281	2969	0.46%	0.029%
66	19.896	2902	2904	2907	rVB2	2942	3193	0.49%	0.031%
67	19.984	2912	2919	2922	rBV	411564	613000	94.00%	5.929%
68	20.014	2922	2924	2930	rVB	221210	258740	39.68%	2.502%
69	20.331	2976	2978	2979	rBV2	946	719	0.11%	0.007%
70	20.554	3013	3016	3017	rBV2	768	703	0.11%	0.007%
71	20.631	3025	3029	3031	rBV4	890	1156	0.18%	0.011%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

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-BG012716.M
Title : SVOA CALIBRATION

72	20.678	3035	3037	3039	rBV2	660	732	0.11%	0.007%
73	21.018	3092	3095	3099	rVB3	1804	1937	0.30%	0.019%
74	21.394	3157	3159	3160	rBV2	1013	748	0.11%	0.007%
75	21.788	3220	3226	3232	rBV	127538	182262	27.95%	1.763%
76	21.899	3238	3245	3253	rBV	174232	289613	44.41%	2.801%
77	22.093	3276	3278	3281	rBV3	1431	1559	0.24%	0.015%
78	22.475	3336	3343	3351	rBV	213713	339196	52.01%	3.280%
79	22.904	3415	3416	3419	rBV3	1238	736	0.11%	0.007%
80	23.480	3510	3514	3516	rVB4	1352	1757	0.27%	0.017%
81	24.108	3615	3621	3622	rBV5	1797	2992	0.46%	0.029%
82	24.167	3622	3631	3642	rVB	192757	418458	64.17%	4.047%
83	24.314	3653	3656	3657	rBV4	1742	1715	0.26%	0.017%
84	25.054	3770	3782	3794	rVB	202293	566633	86.89%	5.480%
85	25.283	3811	3821	3833	rBV2	96048	269307	41.30%	2.605%
86	27.686	4228	4230	4233	rBV2	932	1145	0.18%	0.011%
87	27.985	4279	4281	4282	rBV2	1493	1226	0.19%	0.012%
88	29.853	4596	4599	4603	rBV3	867	1652	0.25%	0.016%
89	30.353	4669	4684	4705	rVB3	51406	254600	39.04%	2.462%
90	31.222	4830	4832	4835	rBV2	989	998	0.15%	0.010%
91	31.251	4835	4837	4841	rBV4	753	739	0.11%	0.007%
92	32.556	5057	5059	5061	rBV2	1195	888	0.14%	0.009%

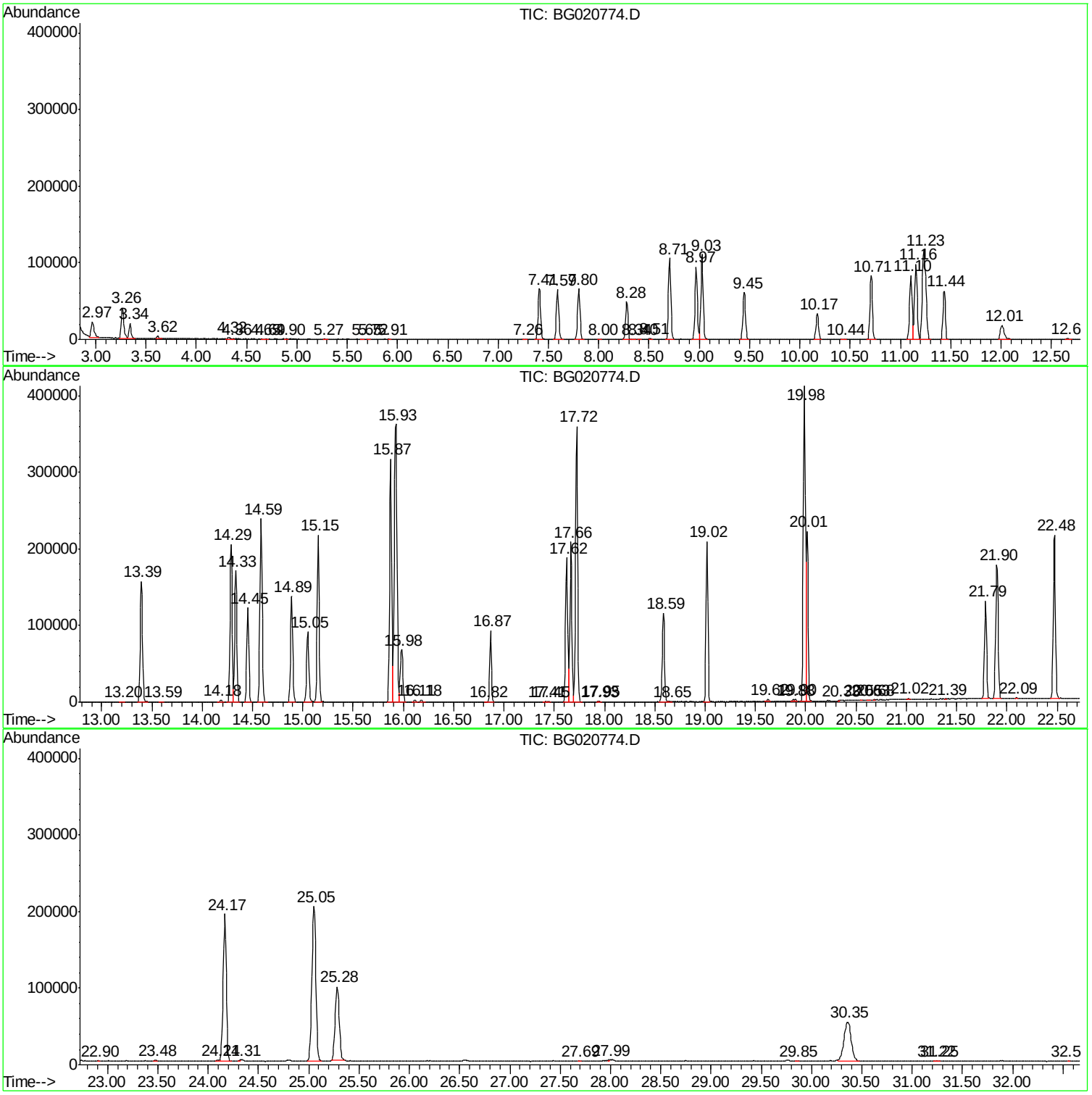
Sum of corrected areas: 10339872

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.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\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

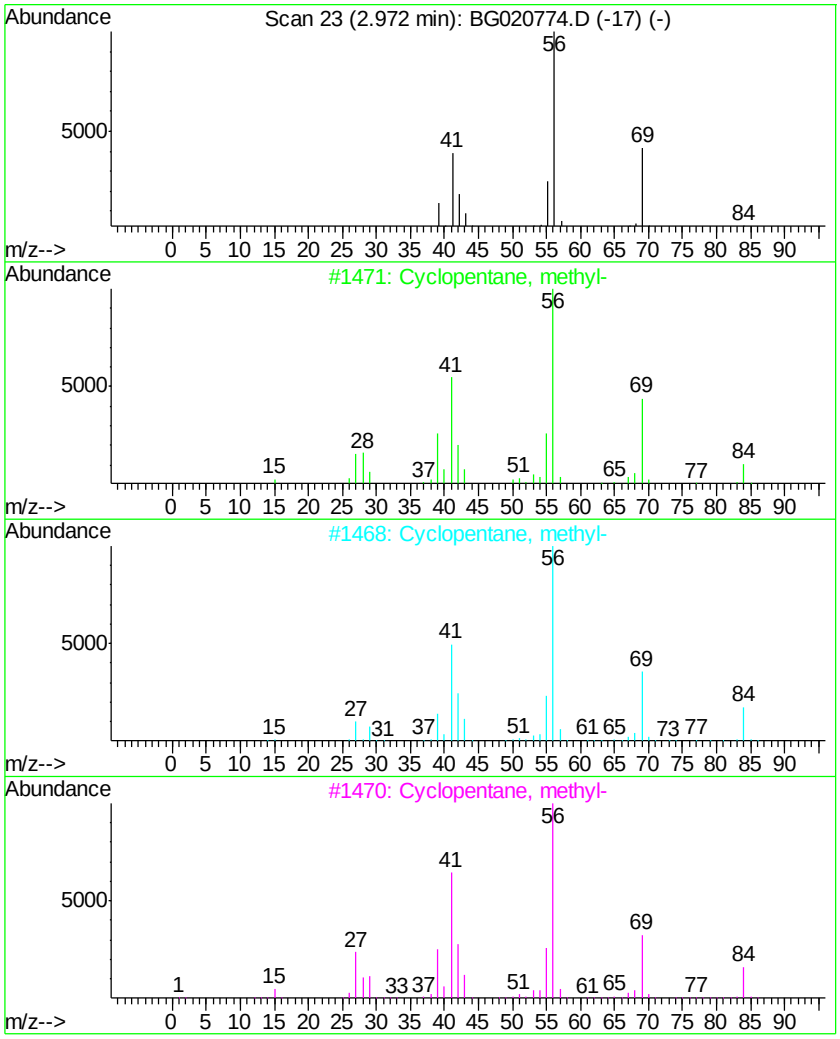
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

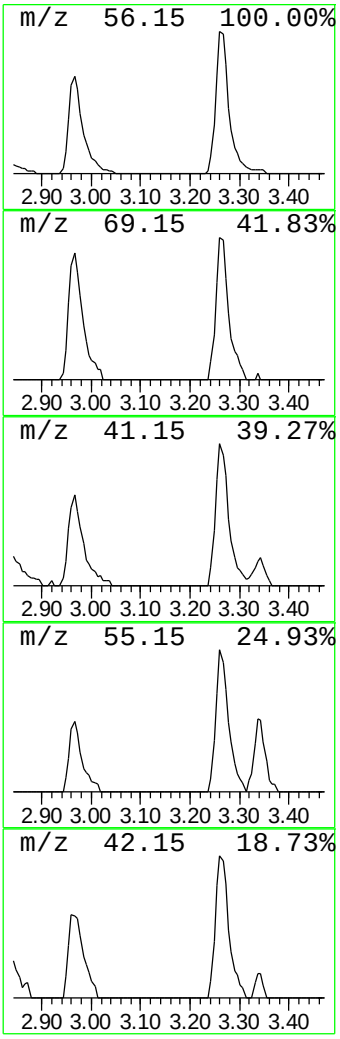
****

Peak Number 1 (DEL) Alkane: Cyclic2.97 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	10.03 ng/ul	40592	1,4-Dichlorobenzene-d4	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	56





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

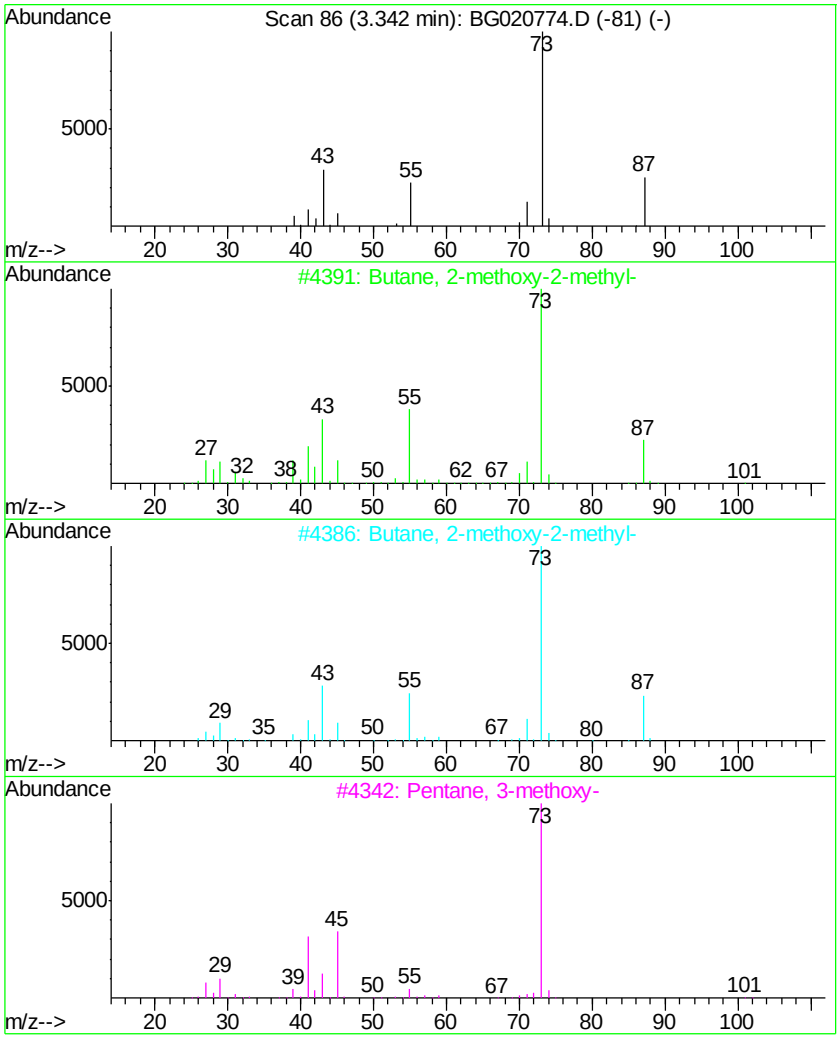
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

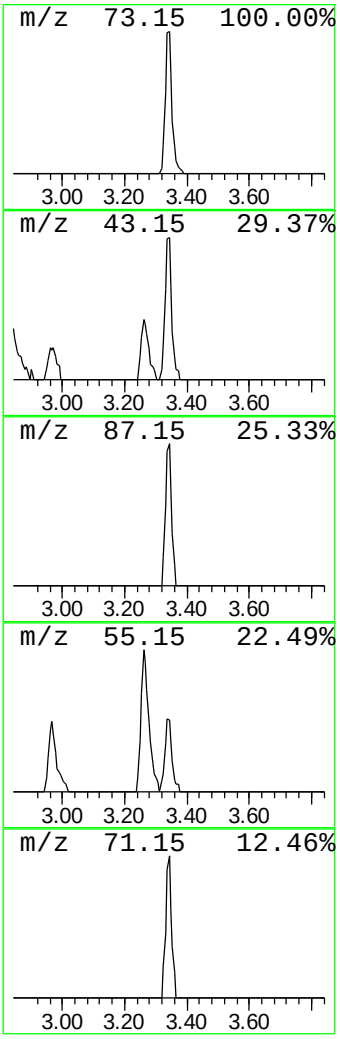
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.34	7.52 ng/ul	30414	1,4-Dichlorobenzene-d4	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

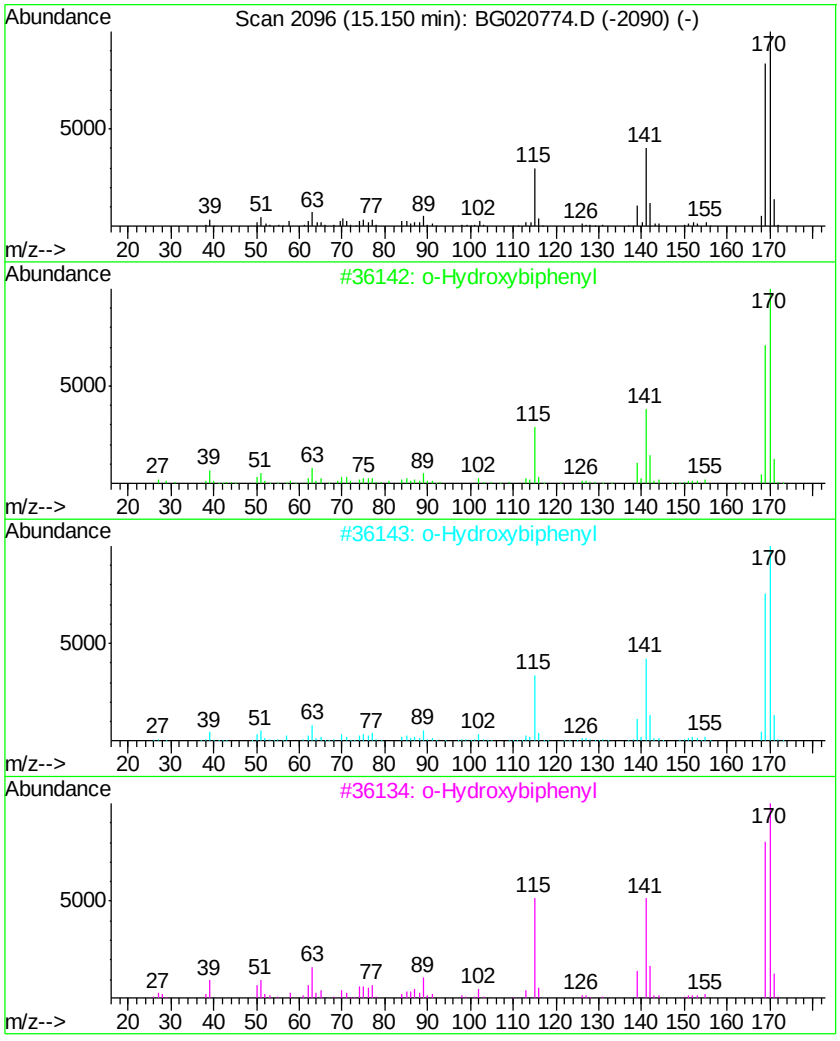
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

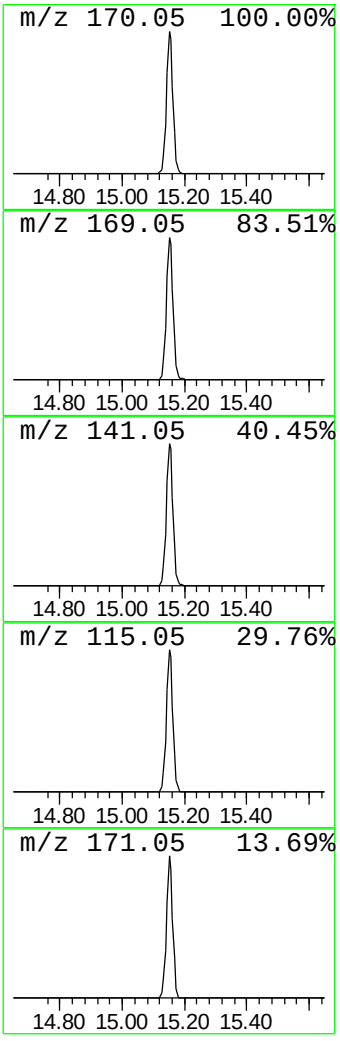
****

Peak Number 4 o-Hydroxybiphenyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	28.92 ng/ul	319805	Acenaphthene-d10	14.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	97
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	97
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	96
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	87
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

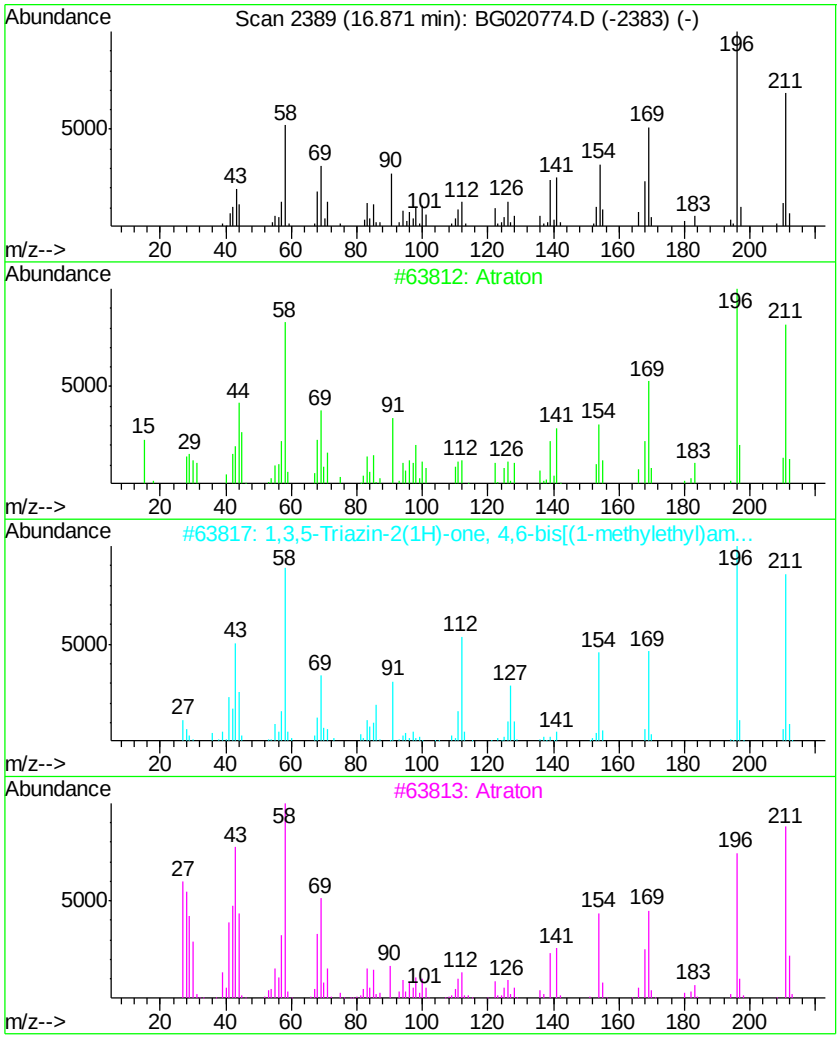
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

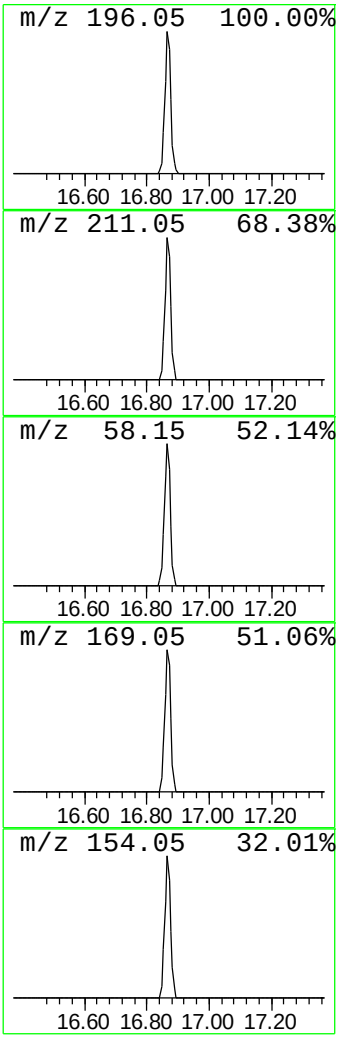
****

Peak Number 5 Atraton Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	8.10 ng/ul	116574	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Atraton	211	C9H17N5O	001610-17-9	87
2	1,3,5-Triazin-2(1H)-one, 4,6-bis...	211	C9H17N5O	007374-53-0	64
3	Atraton	211	C9H17N5O	001610-17-9	64
4	9-Methyl-1,4,5,8-tetraza-phenant...	196	C11H8N4	062088-23-7	35
5	Benzenamine, 4-methoxy-N-(phenyl...	211	C14H13NO	000783-08-4	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

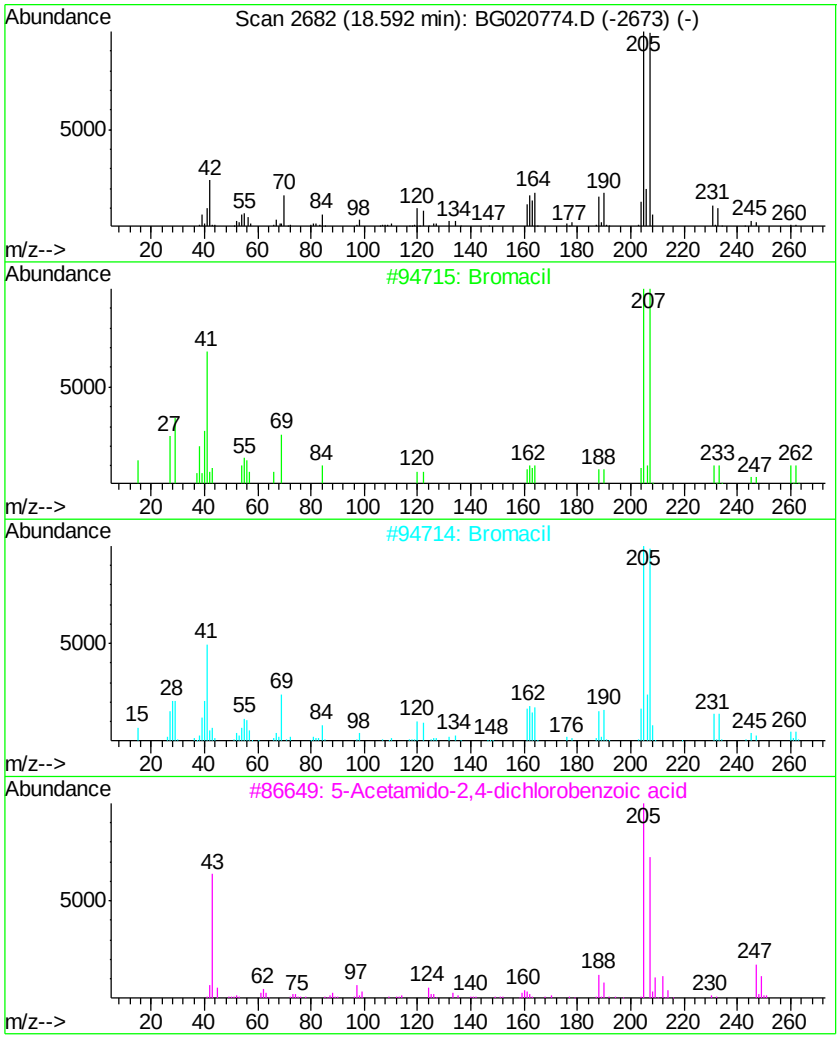
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

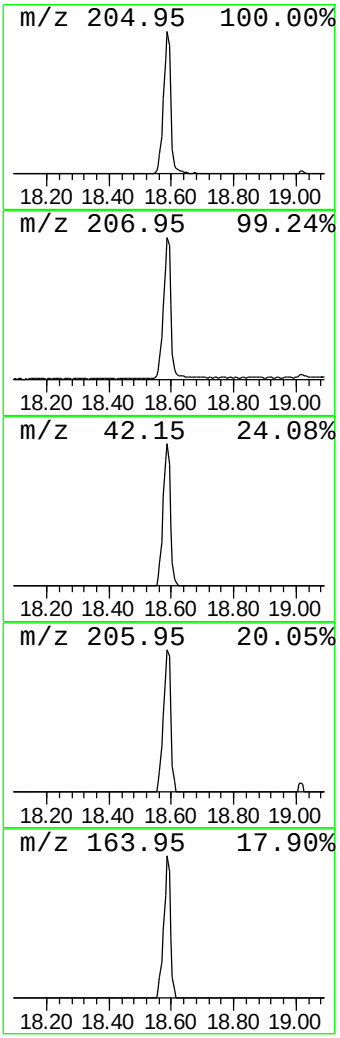
****

Peak Number 6 Bromacil Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	12.19 ng/ul	175403	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromacil	260	C9H13BrN2O2	000314-40-9	91
2	Bromacil	260	C9H13BrN2O2	000314-40-9	91
3	5-Acetamido-2,4-dichlorobenzoic ...	247	C9H7Cl2NO3	050602-49-8	72
4	2,4,6-Trichlorobenzonitrile	205	C7H2Cl3N	006575-05-9	53
5	Benzoic acid, 3-amino-2,5-dichloro-	205	C7H5Cl2NO2	000133-90-4	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

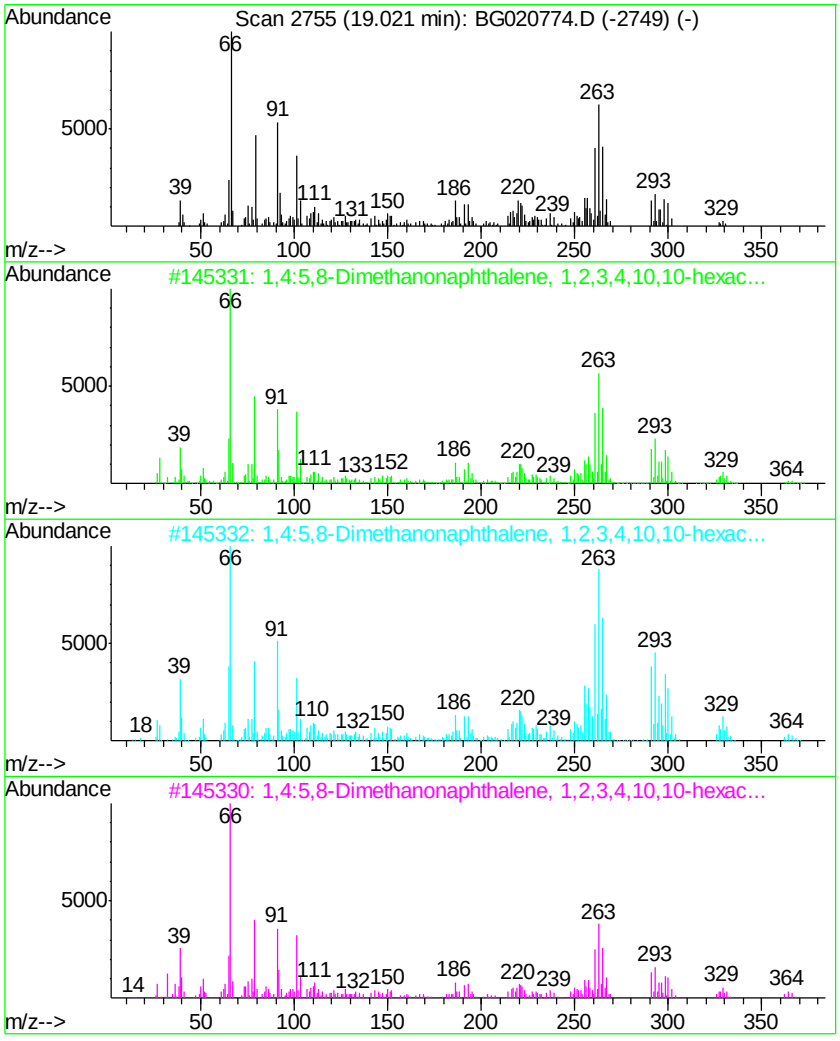
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

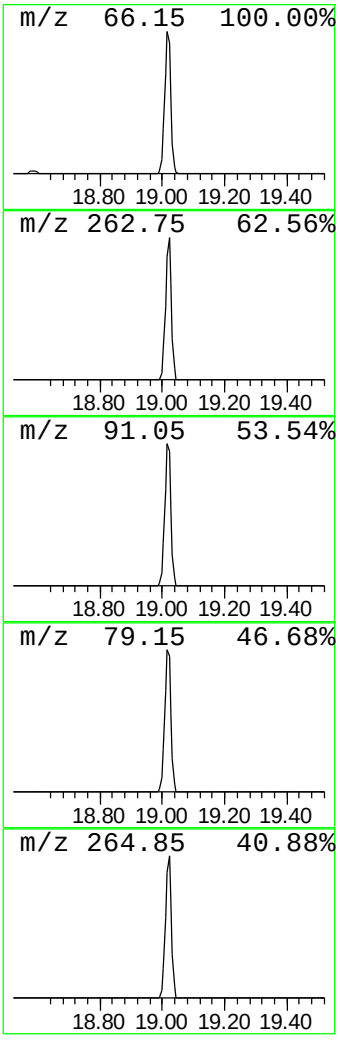
****

Peak Number 7 1,4:5,8-Dimethanonaphthalen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	19.42 ng/ul	279420	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4:5,8-Dimethanonaphthalene, 1,...	362	C12H8Cl6	000309-00-2	91
2	1,4:5,8-Dimethanonaphthalene, 1,...	362	C12H8Cl6	000309-00-2	90
3	1,4:5,8-Dimethanonaphthalene, 1,...	362	C12H8Cl6	000309-00-2	87
4	Bicyclo[3.2.0]hept-2-en-6-one	108	C7H8O	013173-09-6	58
5	Bicyclo[2.2.1]hept-5-ene-2-carbo...	152	C9H12O2	002903-75-5	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

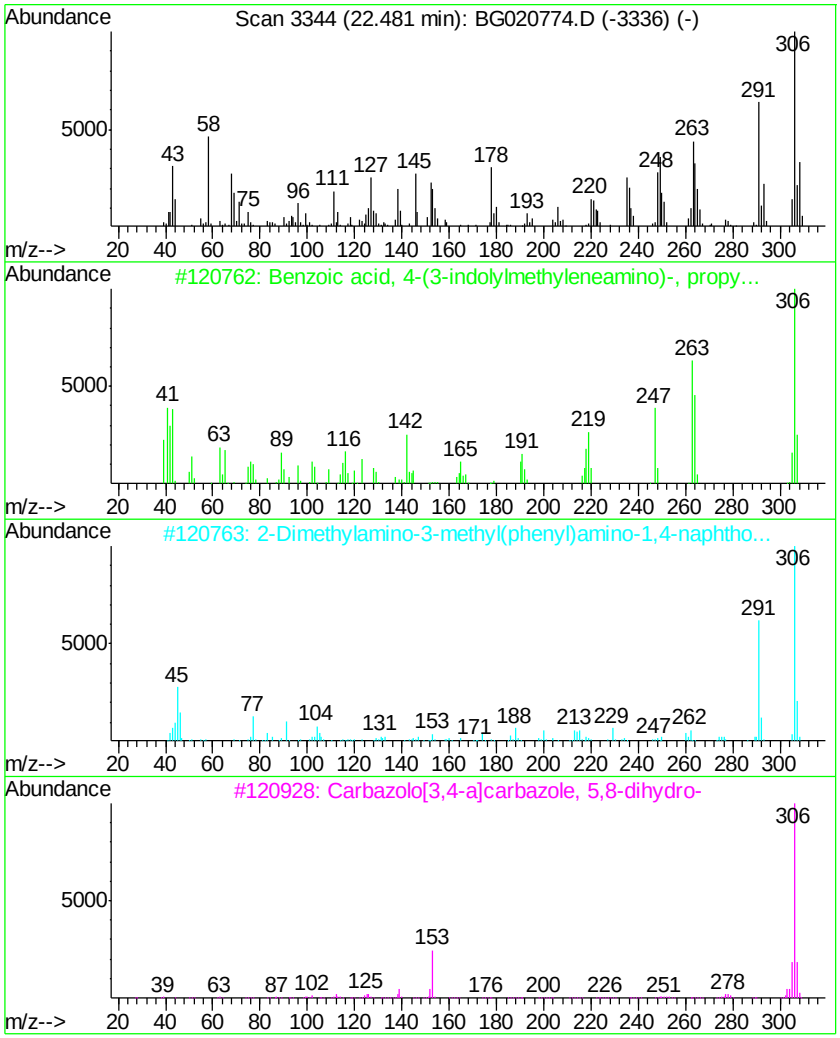
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

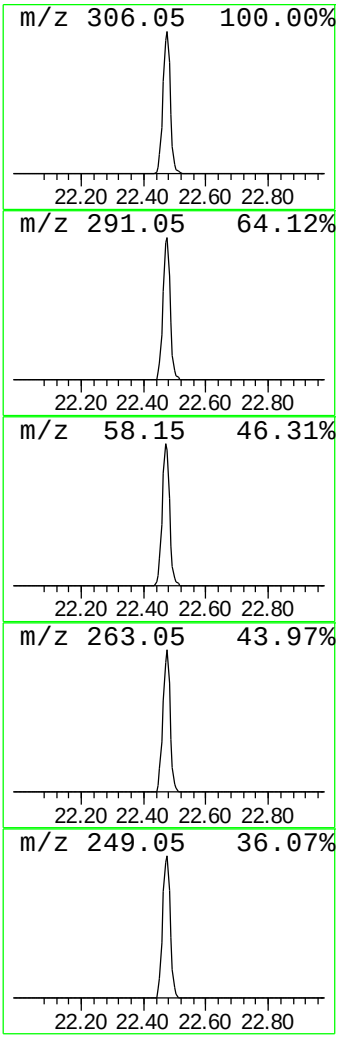
****

Peak Number 8 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	23.42 ng/ul	339196	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-(3-indolylmethyl...	306	C19H18N2O2	304669-02-1	43
2	2-Dimethylamino-3-methyl(phenyl)...	306	C19H18N2O2	134614-10-1	41
3	Carbazolo[3,4-a]carbazole, 5,8-d...	306	C22H14N2	007259-12-3	38
4	Pyrido[2,3-b]quinolin-5-one, 7-c...	306	C18H11ClN2O	069750-07-8	38
5	3-(4-Chlorphenyl)-6-phenylimidaz...	306	C17H11ClN4	1000284-67-3	30





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

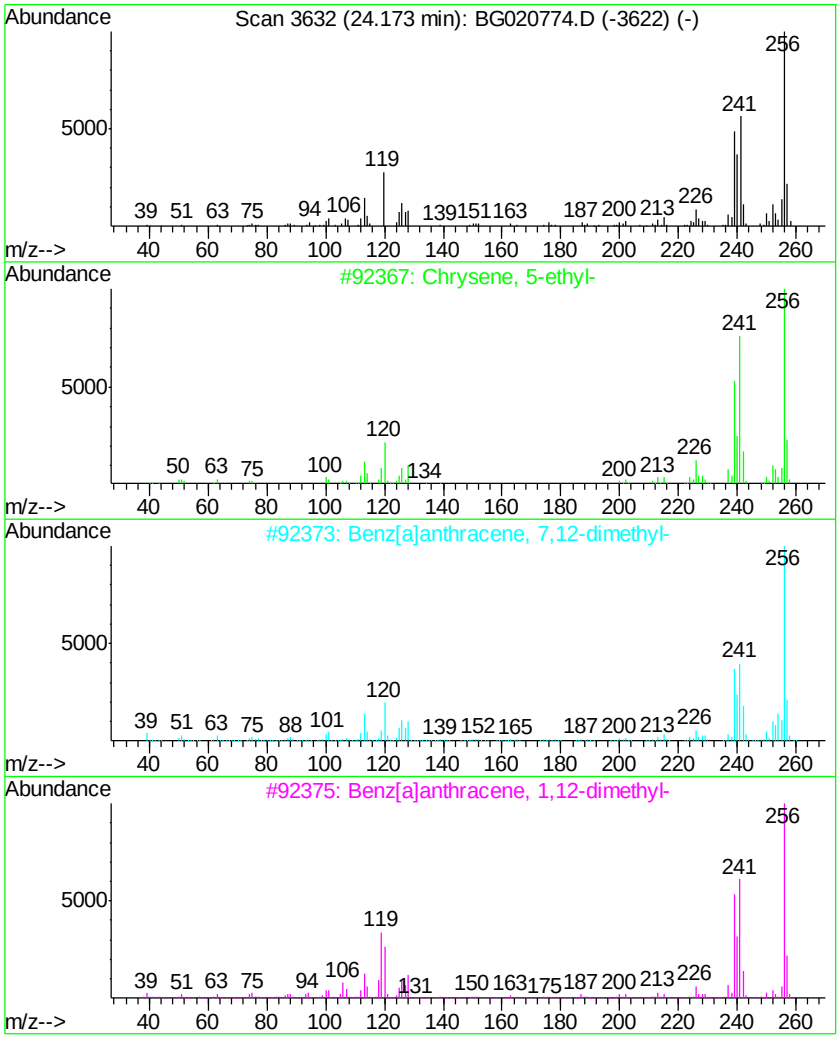
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

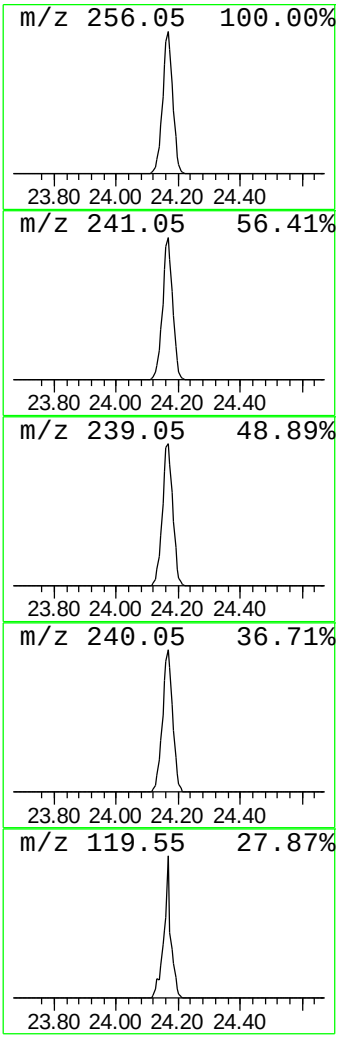
****

Peak Number 9 Chrysene, 5-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.17	31.08 ng/ul	418458	Perylene-d12	25.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-ethyl-	256	C20H16	054986-62-8	98
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	98
3	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	97
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	97
5	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
Data File : BG020774.D
Acq On : 1 Feb 2016 15:32
Operator : SJ/IZ
Sample : H1280-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : X2245

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	2.97	10.0	ng/ul	40592	1	8.28	80919	20.0
Butane, 2-methoxy...	3.34	7.5	ng/ul	30414	1	8.28	80919	20.0
o-Hydroxybiphenyl	15.15	28.9	ng/ul	319805	3	14.89	221174	20.0
Atraton	16.87	8.1	ng/ul	116574	4	17.62	287819	20.0
Bromacil	18.59	12.2	ng/ul	175403	4	17.62	287819	20.0
1,4:5,8-Dimethano...	19.02	19.4	ng/ul	279420	4	17.62	287819	20.0
unknown-01	22.48	23.4	ng/ul	339196	5	21.90	289613	20.0
Chrysene, 5-ethyl-	24.17	31.1	ng/ul	418458	6	25.28	269307	20.0