LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043106.D
Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.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	3.160	6	12	21	rBV	291748	640246	31.52%	3.581%
2	3.236	21	25	40	rVB	433032	719219	35.41%	4.022%
3	3.500	67	70	74	rBV3	5779	7809	0.38%	0.044%
4	4.023	155	159	163	rVB5	8167	12717	0.63%	0.071%
5	4.153	178	181	186	rVB5	3859	4903	0.24%	0.027%
6	4.241	193	196	203	rVB6	3045	5098	0.25%	0.029%
7	4.593	254	256	258	rBV2	2588	2225	0.11%	0.012%
8	5.157	348	352	357	rVB4	9985	15829	0.78%	0.089%
9	5.269	370	371	375	rBV	2414	2439	0.12%	0.014%
10	5.762	452	455	458	rBV3	1170	2039	0.10%	0.011%
11	7.225	697	704	721	rBV2	85698	224855	11.07%	1.258%
12	7.378	725	730	740	rVV	88577	163646	8.06%	0.915%
13	7.596	759	767	779	rBV	116716	244577	12.04%	1.368%
14	8.054	838	845	855	rBV	139119	262767	12.94%	1.470%
15	8.324	888	891	894	rVB	1941	2348	0.12%	0.013%
16	8.771	960	967	981	rBV2	80111	204041	10.05%	1.141%
17	8.941	995	996	1001	rVB2	1749	2481	0.12%	0.014%
18	8.976	1001	1002	1006	rBV3	2052	2378	0.12%	0.013%
19	9.211	1035	1042	1054	rBV	125182	257312	12.67%	1.439%
20	9.640	1111	1115	1120	rBV2	2883	5160	0.25%	0.029%
21	9.940	1156	1166	1179	rBV	111677	236528	11.64%	1.323%
22	10.486	1252	1259	1276	rBV	124943	318867	15.70%	1.783%
23	10.857	1315	1322	1329	rBV	204003	387989	19.10%	2.170%
24	10.909	1329	1331	1335	rVB3	5063	6295	0.31%	0.035%
25	11.003	1339	1347	1359	rBV2	64355	198341	9.76%	1.109%
26	11.332	1401	1403	1407	rVB	1876	2452	0.12%	0.014%
27	12.455	1585	1594	1597	rBV3	2749	5064	0.25%	0.028%
28	12.743	1639	1643	1644	rVB2	1966	2049	0.10%	0.011%
29	13.283	1733	1735	1740	rBV3	1584	2688	0.13%	0.015%
30	13.565	1780	1783	1792	rVB3	3965	7031	0.35%	0.039%
31	13.929	1844	1845	1852	rVB	1633	2341	0.12%	0.013%
32	13.994	1852	1856	1862	rBV2	2992	7120	0.35%	0.040%
33	14.076	1863	1870	1875	rBV	416370	644068	31.71%	3.602%
34	14.123	1875	1878	1886	rVB	146895	228870	11.27%	1.280%

LSC Area Percent Report

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Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Title : SVOA CALIBRATION

35	14.370	1913	1920	1937	rBV	432695	760114	37.42%	4.251%
36	14.576	1952	1955	1962	rVB5	2749	4704	0.23%	0.026%
37	14.676	1965	1972	1980	rVV2	383642	622378	30.64%	3.481%
38	14.734	1980	1982	1989	rVB5	9094	13361	0.66%	0.075%
39	14.840	1998	2000	2004	rVB2	1951	2150	0.11%	0.012%
40	14.911	2004	2012	2014	rBV5	19669	37120	1.83%	0.208%
41	15.093	2038	2043	2050	rVB9	10536	18718	0.92%	0.105%
42	15.345	2082	2086	2091	rVB4	3649	5814	0.29%	0.033%
43	15.392	2091	2094	2098	rBV2	1871	3389	0.17%	0.019%
44	15.457	2103	2105	2106	rBV	4322	2747	0.14%	0.015%
45	15.592	2123	2128	2129	rBV	1961	2490	0.12%	0.014%
46	15.669	2134	2141	2148	rBV	567282	943887	46.47%	5.279%
47	15.774	2154	2159	2170	rBV	101392	182411	8.98%	1.020%
48	16.168	2223	2226	2230	rVB3	2788	3845	0.19%	0.022%
49	16.397	2259	2265	2270	rVB5	8341	14687	0.72%	0.082%
50	16.450	2271	2274	2277	rVB	2928	3315	0.16%	0.019%
51	16.556	2291	2292	2298	rVB3	3806	4293	0.21%	0.024%
52	16.656	2305	2309	2311	rVB3	3098	4171	0.21%	0.023%
53	16.720	2314	2320	2325	rBV6	18663	33110	1.63%	0.185%
54	16.773	2326	2329	2336	rVB6	7904	12667	0.62%	0.071%
55	16.832	2336	2339	2341	rBV3	4816	5220	0.26%	0.029%
56	16.879	2345	2347	2348	rVV2	3766	3258	0.16%	0.018%
57	16.920	2352	2354	2355	rBV2	3728	2392	0.12%	0.013%
58	16.955	2358	2360	2363	rVB4	4357	3752	0.18%	0.021%
59	17.084	2376	2382	2384	rBV5	5911	9851	0.48%	0.055%
60	17.131	2388	2390	2391	rBV3	2973	2958	0.15%	0.017%
61	17.161	2391	2395	2400	rBV4	3620	6501	0.32%	0.036%
62	17.243	2404	2409	2414	rVB7	7464	15601	0.77%	0.087%
63	17.296	2415	2418	2420	rBV3	3205	4350	0.21%	0.024%
64	17.337	2421	2425	2429	rVB7	12370	19321	0.95%	0.108%
65	17.419	2432	2439	2443	rBV2	491611	790852	38.93%	4.423%
66	17.461	2443	2446	2450	rVV	130574	194980	9.60%	1.090%
67	17.519	2450	2456	2467	rVB	651236	1083727	53.35%	6.061%
68	17.690	2483	2485	2489	rBV4	4566	4831	0.24%	0.027%
69	17.831	2503	2509	2513	rBV4	10666	25541	1.26%	0.143%
70	18.007	2534	2539	2545	rBV6	14589	29931	1.47%	0.167%
71	18.136	2559	2561	2566	rVB6	6045	8382	0.41%	0.047%

LSC Area Percent Report

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Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Title : SVOA CALIBRATION

72	18.183	2566	2569	2572	rBV4	7888	12432	0.61%	0.070%
73	18.307	2584	2590	2593	rBV4	63543	113744	5.60%	0.636%
74	18.489	2615	2621	2625	rBV3	66066	123952	6.10%	0.693%
75	18.589	2635	2638	2644	rBV6	14033	19557	0.96%	0.109%
76	18.724	2659	2661	2664	rBV4	8110	6964	0.34%	0.039%
77	18.788	2666	2672	2676	rBV4	21594	49515	2.44%	0.277%
78	18.912	2691	2693	2696	rBV3	9039	8750	0.43%	0.049%
79	19.088	2720	2723	2725	rVB2	10811	13074	0.64%	0.073%
80	19.117	2726	2728	2733	rVB5	11274	11363	0.56%	0.064%
81	19.206	2739	2743	2748	rBV2	37120	66653	3.28%	0.373%
82	19.335	2762	2765	2773	rVB6	33395	67846	3.34%	0.379%
83	19.470	2782	2788	2795	rBV	346766	522963	25.75%	2.925%
84	19.605	2808	2811	2817	rVB8	28504	44422	2.19%	0.248%
85	19.805	2838	2845	2857	rBV2	934308	2031254	100.00%	11.360%
86	20.052	2884	2887	2894	rVB9	29272	55427	2.73%	0.310%
87	20.422	2946	2950	2954	rBV2	47376	64221	3.16%	0.359%
88	20.481	2957	2960	2964	rVB2	43531	57544	2.83%	0.322%
89	20.622	2980	2984	2987	rBV2	36485	58420	2.88%	0.327%
90	21.321	3099	3103	3108	rBV2	159096	281117	13.84%	1.572%
91	21.573	3142	3146	3151	rVB	144141	194421	9.57%	1.087%
92	21.685	3157	3165	3170	rBV2	627286	1390886	68.47%	7.779%
93	22.038	3221	3225	3229	rBV2	92147	126234	6.21%	0.706%
94	23.882	3533	3539	3549	rBV2	128846	447154	22.01%	2.501%
95	24.687	3668	3676	3683	rBV	449127	1174719	57.83%	6.570%
96	24.905	3704	3713	3724	rBV2	375296	1219040	60.01%	6.818%

Sum of corrected areas: 17880283

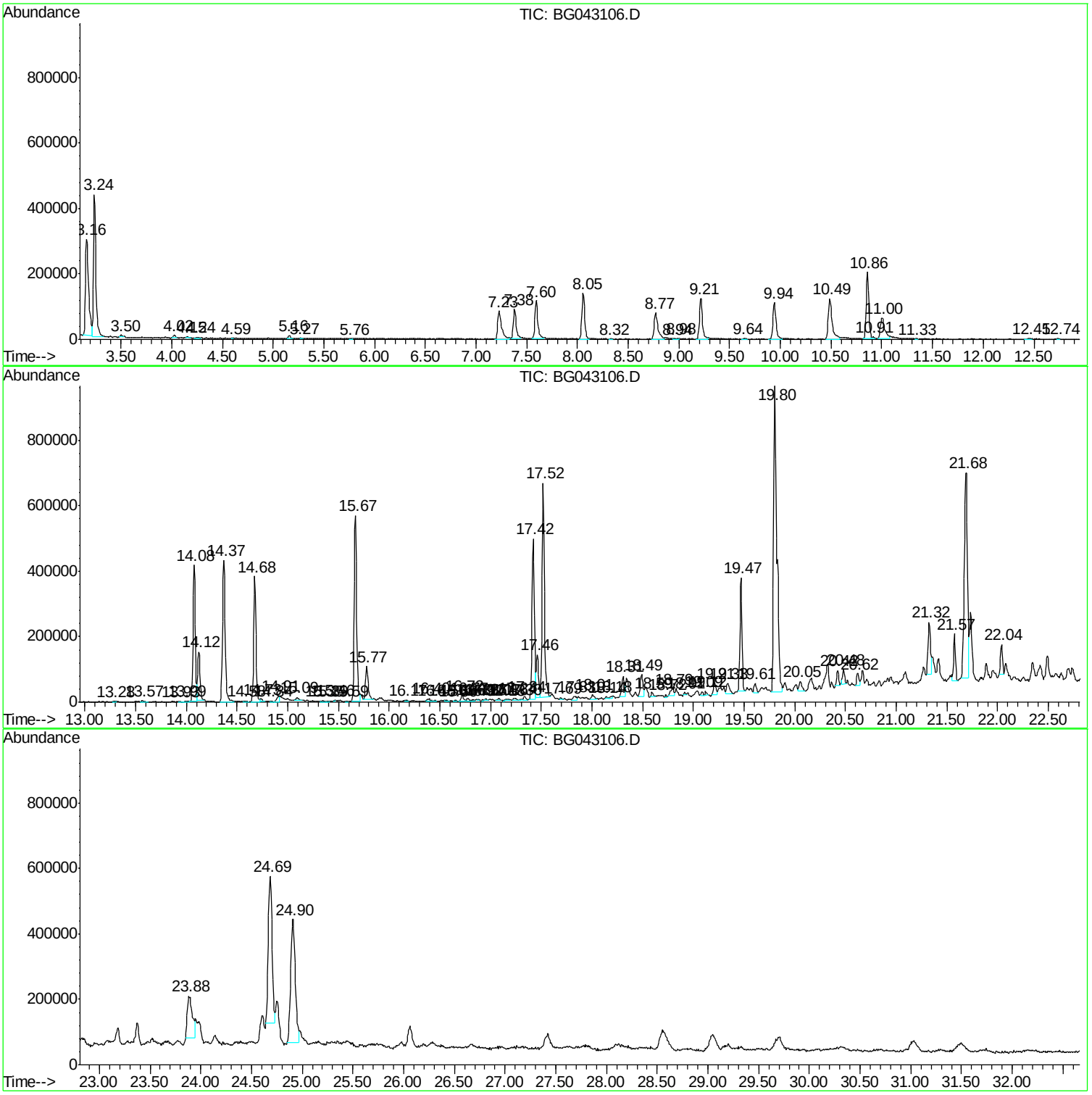
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043106.D
Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043106.D
Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

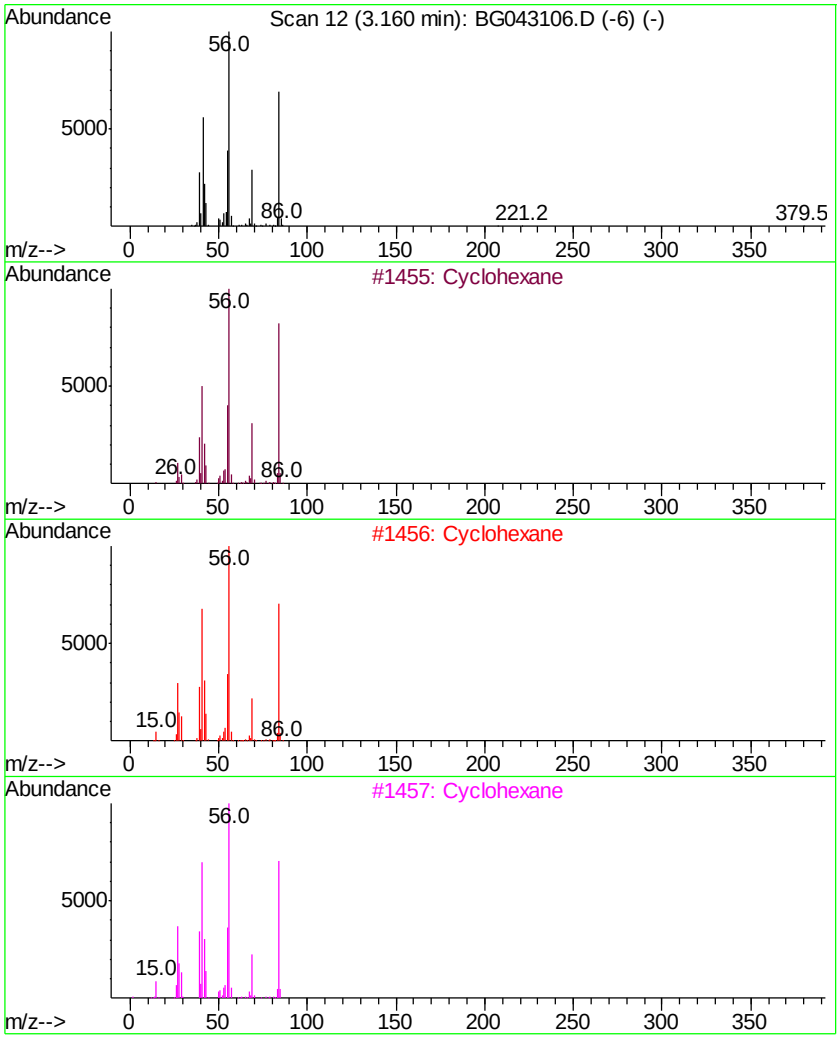
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

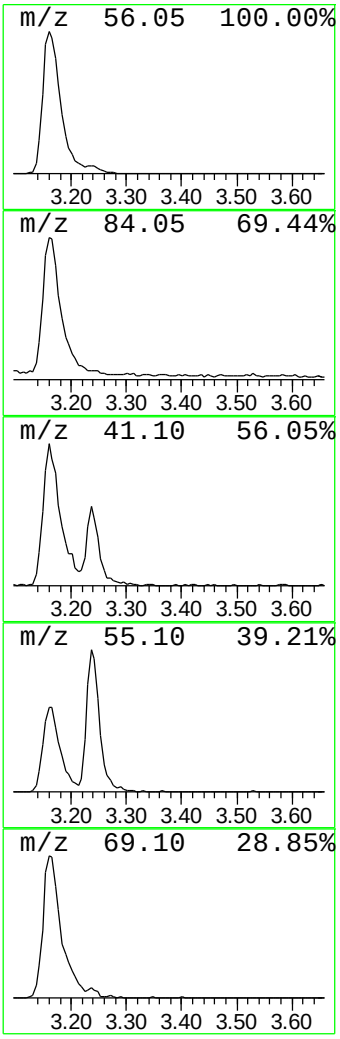
****

Peak Number 1 (DEL) Alkane: Cyclic3.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	48.73 ng/ul	640246	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	94
2	Cyclohexane	84	C6H12	000110-82-7	91
3	Cyclohexane	84	C6H12	000110-82-7	91
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	86
5	Cyclohexane	84	C6H12	000110-82-7	86





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Data File : BG043106.D
Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

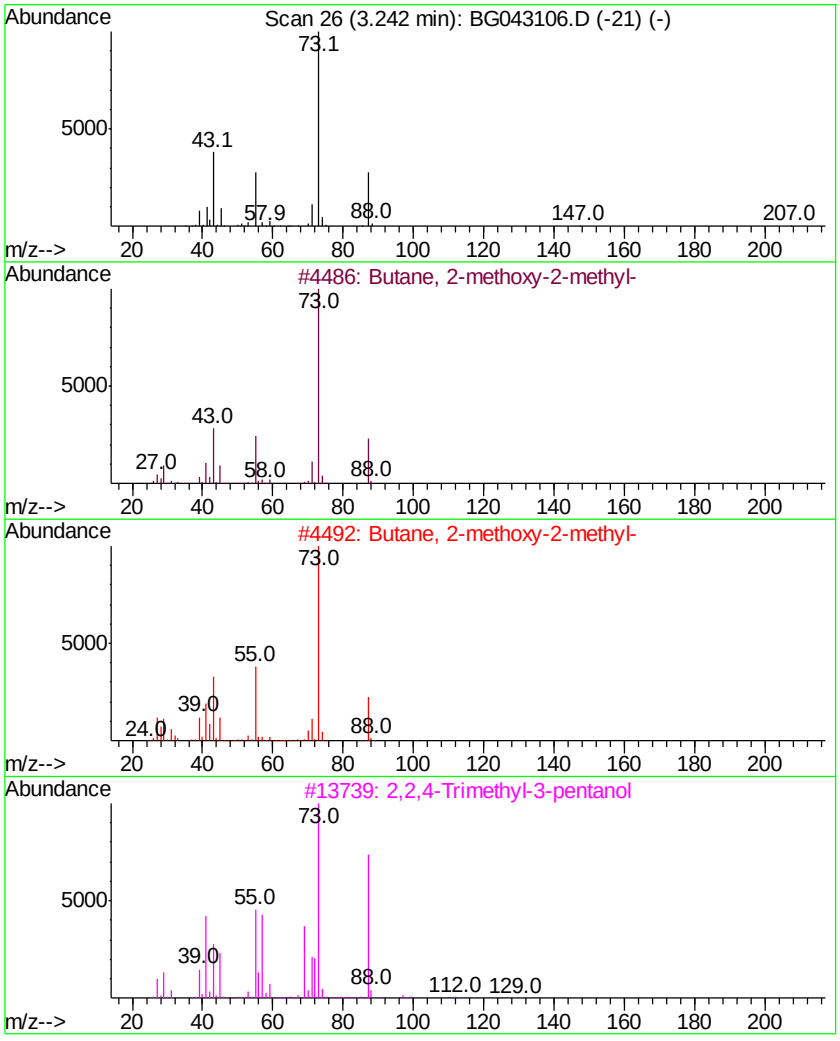
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

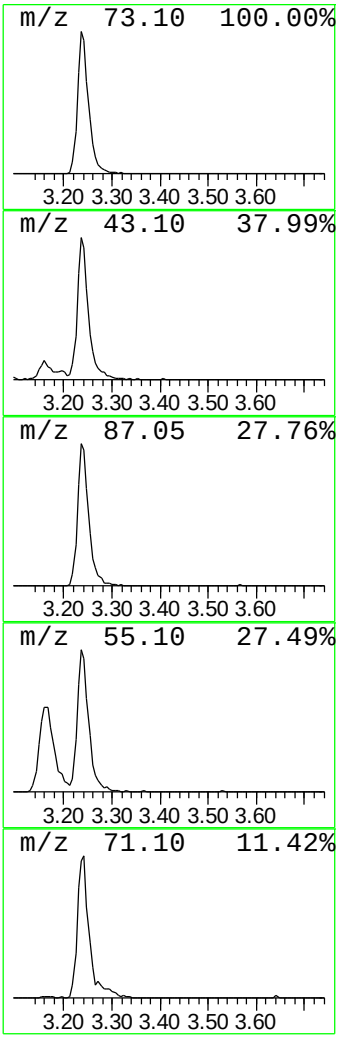
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	54.74 ng/ul	719219	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
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Misc :
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Instrument : BNA_G
ClientSampleId : BEP83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

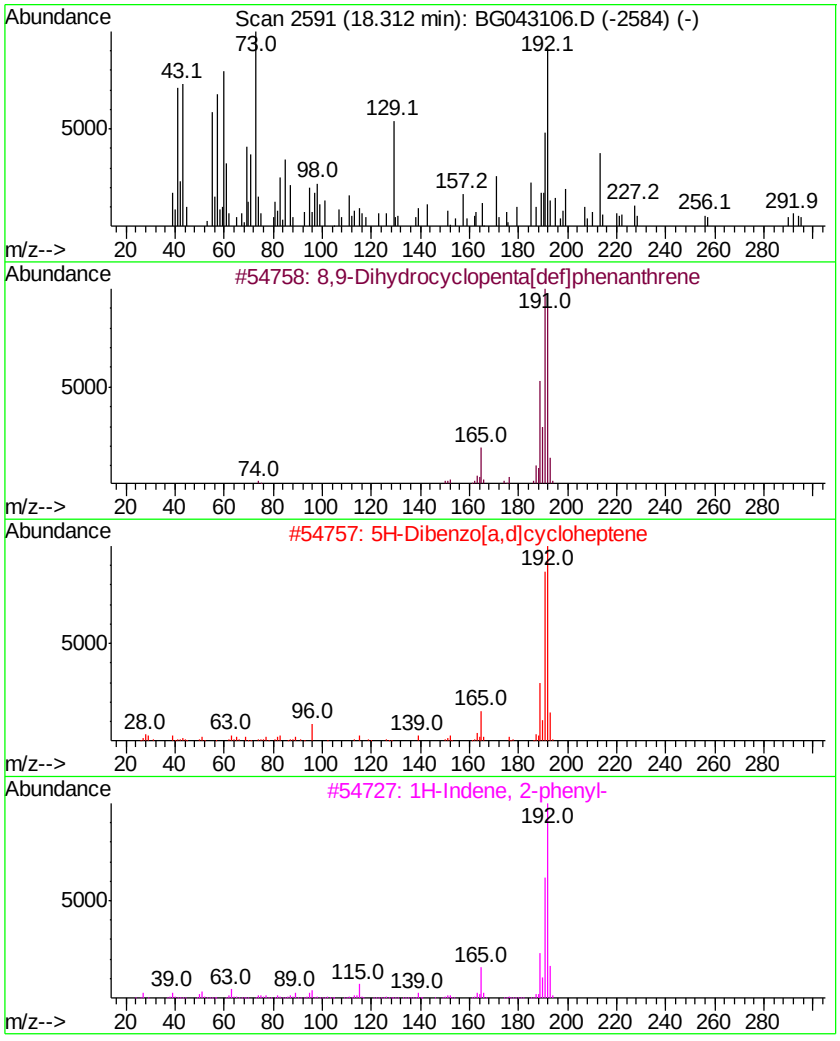
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

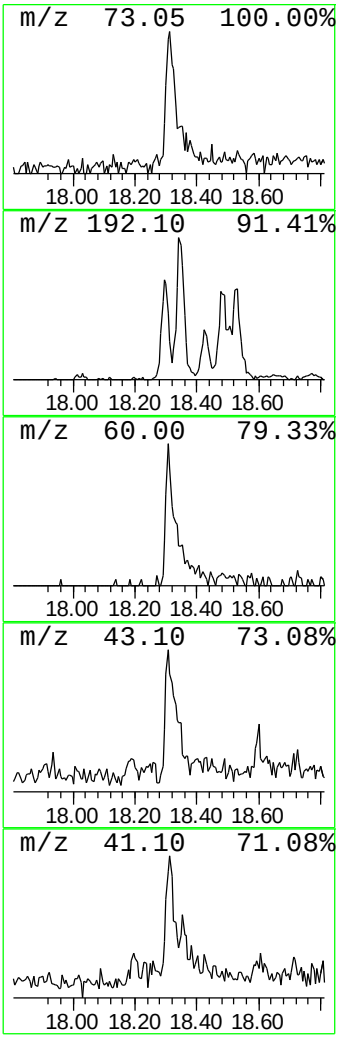
****

Peak Number 3 8,9-Dihydrocyclopenta[def]p... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	2.88 ng/ul	113744	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	49
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46





Library Search Compound Report

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Data File : BG043106.D
Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

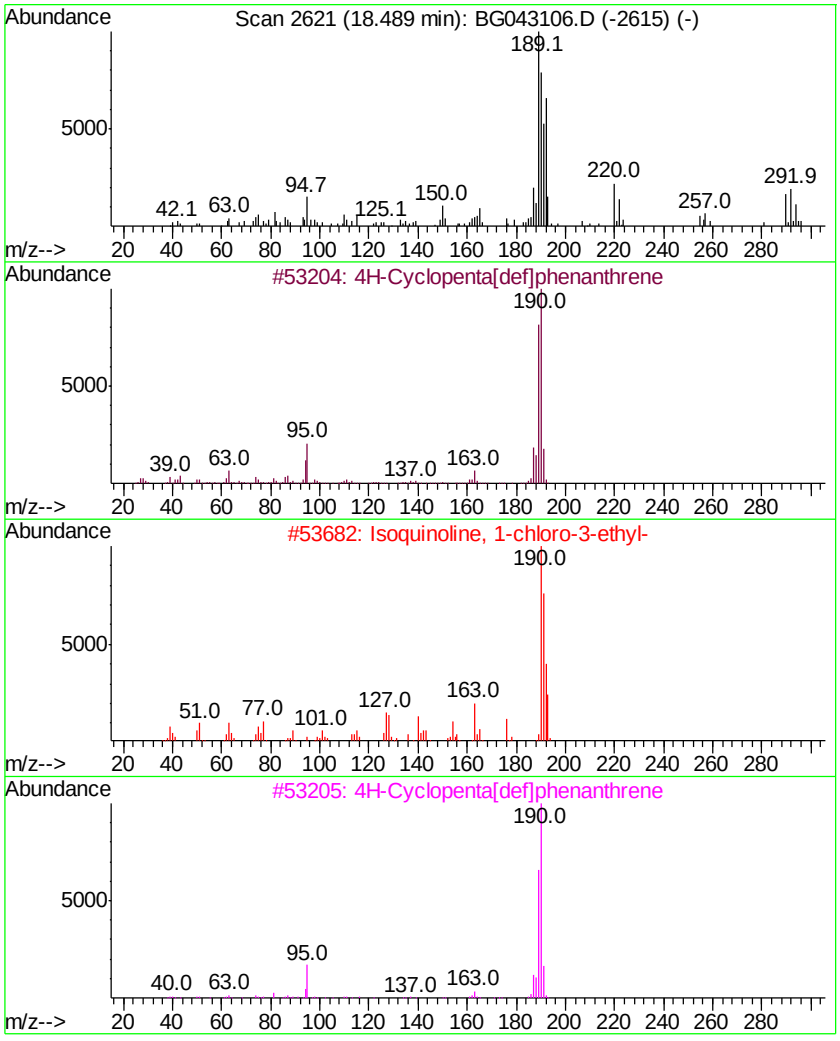
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

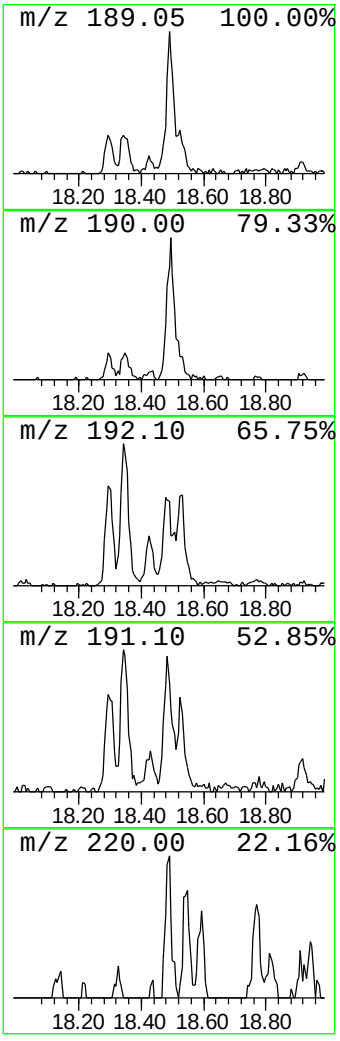
****

Peak Number 4 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	3.13 ng/ul	123952	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
2	Isoquinoline, 1-chloro-3-ethyl-	191	C11H10ClN	055150-52-2	35
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	30
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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Data File : BG043106.D
Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

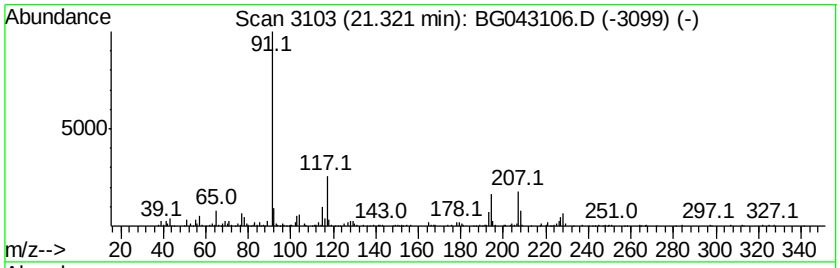
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

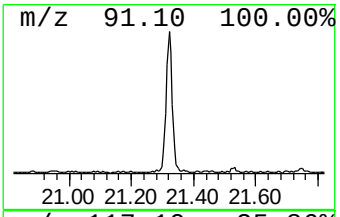
****

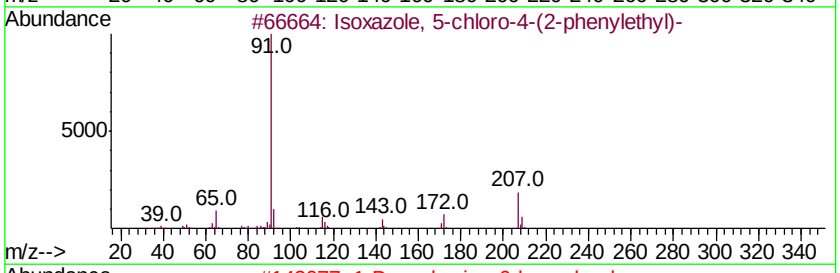
Peak Number 5 unknown-02 Concentration Rank 3

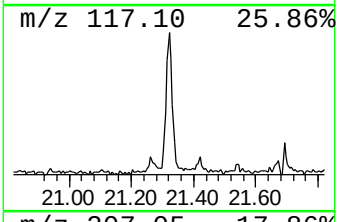
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	4.04 ng/ul	281117	Chrysene-d12	21.69

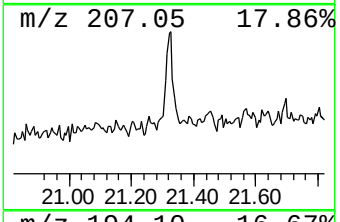
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoxazole, 5-chloro-4-(2-phenyle...	207	C11H10ClNO	1000362-09-0	35
2	1-Benzylamino-6-benzyloxyhexane	297	C20H27NO	060058-25-5	22
3	Benzoic acid, 2-hydroxy-, phenyl...	228	C14H12O3	000118-58-1	22
4	Benzene, (1-butylpentyl)-	204	C15H24	020216-88-0	22
5	Benzaldehyde, 3-hydroxy-4-benzyl...	228	C14H12O3	004049-39-2	22

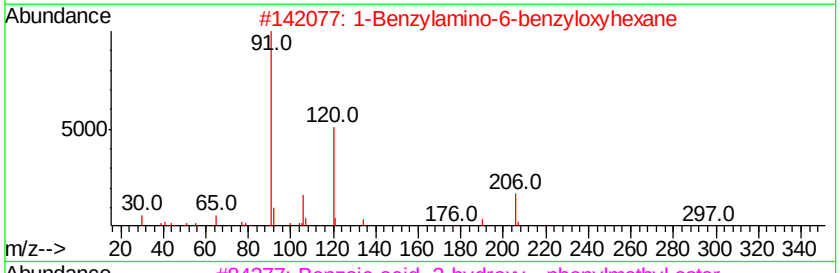


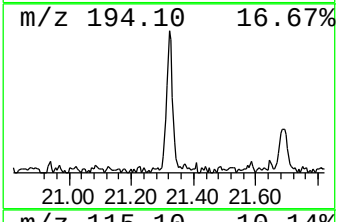


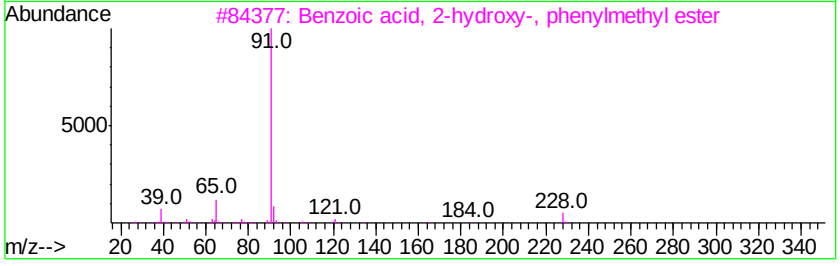


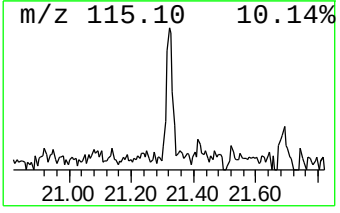












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100919\
Data File : BG043106.D
Acq On : 9 Oct 2019 17:08
Operator : JU
Sample : K5175-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	3.16	48.7	ng/ul	640246	1	8.06	262767	20.0
Butane, 2-methoxy...	3.24	54.7	ng/ul	719219	1	8.06	262767	20.0
8,9-Dihydrocyclop...	18.31	2.9	ng/ul	113744	4	17.42	790852	20.0
unknown-01	18.49	3.1	ng/ul	123952	4	17.42	790852	20.0
unknown-02	21.32	4.0	ng/ul	281117	5	21.69	1390890	20.0