LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041953.D
Acq On : 4 Aug 2019 22:05
Operator : HP/JU
Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

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-BG080319MA.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	3.158	7	12	34	rVB	1036577	1735587	100.00%	8.631%
2	3.422	53	57	63	rVB4	7881	12999	0.75%	0.065%
3	3.951	143	147	155	rVB3	5667	11787	0.68%	0.059%
4	4.086	165	170	178	rVB3	9056	17194	0.99%	0.086%
5	4.180	183	186	189	rBV4	3167	4883	0.28%	0.024%
6	5.109	340	344	350	rBV2	3367	5376	0.31%	0.027%
7	6.625	596	602	605	rVB5	1159	2207	0.13%	0.011%
8	7.183	688	697	707	rBV	164664	322986	18.61%	1.606%
9	7.353	717	726	735	rBV	116300	209606	12.08%	1.042%
10	7.565	755	762	772	rVV	172972	320110	18.44%	1.592%
11	7.823	800	806	812	rVB5	1205	2658	0.15%	0.013%
12	8.035	835	842	851	rBV	230555	408987	23.56%	2.034%
13	8.740	954	962	974	rBV	188592	342258	19.72%	1.702%
14	8.863	977	983	989	rVB3	3055	7962	0.46%	0.040%
15	9.198	1033	1040	1050	rBV	162148	297907	17.16%	1.482%
16	9.368	1065	1069	1073	rVB3	2318	4240	0.24%	0.021%
17	9.650	1115	1117	1121	rVB2	1977	2138	0.12%	0.011%
18	9.933	1157	1165	1175	rBV	145764	270211	15.57%	1.344%
19	10.473	1250	1257	1276	rBV	224249	447566	25.79%	2.226%
20	10.655	1281	1288	1290	rBV5	1378	2714	0.16%	0.013%
21	10.861	1313	1323	1336	rBV	336696	603064	34.75%	2.999%
22	10.990	1336	1345	1355	rBV	157099	310823	17.91%	1.546%
23	12.377	1573	1581	1590	rVV	22584	42645	2.46%	0.212%
24	12.447	1590	1593	1598	rVB5	4036	5702	0.33%	0.028%
25	12.529	1601	1607	1608	rBV2	1377	1918	0.11%	0.010%
26	13.052	1691	1696	1700	rBV2	1074	2147	0.12%	0.011%
27	13.305	1734	1739	1744	rBV3	2360	3625	0.21%	0.018%
28	13.522	1773	1776	1780	rVB2	1955	3050	0.18%	0.015%
29	13.587	1780	1787	1797	rBV	43361	74950	4.32%	0.373%
30	14.028	1860	1862	1866	rVB3	1683	1933	0.11%	0.010%
31	14.092	1866	1873	1878	rBV	462710	692330	39.89%	3.443%
32	14.139	1878	1881	1890	rVB	191668	262926	15.15%	1.308%
33	14.239	1897	1898	1904	rVB4	1563	2221	0.13%	0.011%
34	14.386	1916	1923	1940	rVB	512993	846999	48.80%	4.212%

LSC Area Percent Report

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Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

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-BG080319MA.M
Title : SVOA CALIBRATION

35	14.592	1955	1958	1963	rBV4	1884	2116	0.12%	0.011%
36	14.698	1967	1976	1983	rVV	560167	872945	50.30%	4.341%
37	14.756	1983	1986	1994	rVB5	6634	11750	0.68%	0.058%
38	14.880	2001	2007	2023	rBV2	105426	214346	12.35%	1.066%
39	14.980	2023	2024	2029	rVB3	2384	2694	0.16%	0.013%
40	15.038	2032	2034	2039	rVB3	1945	2419	0.14%	0.012%
41	15.103	2039	2045	2051	rBV6	10808	16881	0.97%	0.084%
42	15.285	2073	2076	2080	rVB3	1681	2280	0.13%	0.011%
43	15.361	2086	2089	2094	rVB5	1467	1808	0.10%	0.009%
44	15.497	2108	2112	2116	rBV5	1587	2643	0.15%	0.013%
45	15.544	2116	2120	2124	rVV3	2285	3396	0.20%	0.017%
46	15.690	2138	2145	2151	rVV	695089	1088348	62.71%	5.412%
47	15.737	2151	2153	2159	rVV3	10440	16947	0.98%	0.084%
48	15.802	2159	2164	2177	rVV2	134468	244823	14.11%	1.218%
49	15.931	2180	2186	2190	rVV2	10655	20287	1.17%	0.101%
50	15.978	2190	2194	2199	rVV2	14936	23410	1.35%	0.116%
51	16.049	2199	2206	2212	rVB8	3442	6330	0.36%	0.031%
52	16.190	2229	2230	2235	rVB4	3167	4462	0.26%	0.022%
53	16.243	2235	2239	2242	rBV4	2393	3945	0.23%	0.020%
54	16.284	2242	2246	2250	rVV3	13444	20547	1.18%	0.102%
55	16.325	2251	2253	2258	rVB5	1792	2345	0.14%	0.012%
56	16.413	2259	2268	2276	rVV5	7994	20451	1.18%	0.102%
57	16.478	2276	2279	2283	rVB5	3906	4639	0.27%	0.023%
58	16.589	2296	2298	2302	rVB4	2158	2534	0.15%	0.013%
59	16.648	2304	2308	2311	rVV5	4555	4773	0.28%	0.024%
60	16.689	2311	2315	2318	rVV5	6532	11672	0.67%	0.058%
61	16.725	2318	2321	2325	rVV3	7928	11537	0.66%	0.057%
62	16.795	2329	2333	2337	rVV7	8106	13516	0.78%	0.067%
63	16.848	2337	2342	2349	rVV8	10372	22612	1.30%	0.112%
64	16.901	2349	2351	2355	rVB5	2295	2214	0.13%	0.011%
65	16.977	2363	2364	2368	rVV4	3085	2347	0.14%	0.012%
66	17.030	2370	2373	2378	rVB7	6308	12132	0.70%	0.060%
67	17.101	2381	2385	2387	rBV2	8035	9727	0.56%	0.048%
68	17.177	2396	2398	2400	rBV2	4435	4376	0.25%	0.022%
69	17.212	2400	2404	2405	rVV4	6505	8961	0.52%	0.045%
70	17.230	2405	2407	2408	rVV2	5170	4370	0.25%	0.022%
71	17.265	2410	2413	2418	rVB4	6048	8238	0.47%	0.041%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : BENZ5

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

72	17.347	2423	2427	2432	rVB5	9416	13724	0.79%	0.068%
73	17.400	2434	2436	2437	rBV2	4447	2901	0.17%	0.014%
74	17.447	2437	2444	2448	rBV	721173	1040198	59.93%	5.173%
75	17.488	2448	2451	2455	rVV	104053	151616	8.74%	0.754%
76	17.547	2455	2461	2470	rVB	744279	1145225	65.98%	5.695%
77	17.729	2488	2492	2494	rBV3	8819	8403	0.48%	0.042%
78	17.753	2494	2496	2498	rBV3	4277	2992	0.17%	0.015%
79	17.823	2504	2508	2519	rBV4	77361	169940	9.79%	0.845%
80	18.217	2570	2575	2579	rBV7	12656	26842	1.55%	0.133%
81	18.340	2590	2596	2601	rBV	132323	220929	12.73%	1.099%
82	18.522	2622	2627	2630	rBV2	28377	42935	2.47%	0.214%
83	18.634	2642	2646	2647	rBV4	8570	10572	0.61%	0.053%
84	18.822	2675	2678	2681	rBV2	12423	16942	0.98%	0.084%
85	18.863	2681	2685	2691	rVB	25936	38193	2.20%	0.190%
86	19.192	2737	2741	2748	rBV	167812	292667	16.86%	1.455%
87	19.498	2789	2793	2799	rVB	328669	494005	28.46%	2.457%
88	19.833	2845	2850	2854	rBV	980197	1558759	89.81%	7.752%
89	21.378	3109	3113	3122	rVB4	120256	246466	14.20%	1.226%
90	21.730	3165	3173	3178	rBV3	717961	1443093	83.15%	7.177%
91	23.470	3463	3469	3477	rVB	266867	521720	30.06%	2.595%
92	23.969	3548	3554	3562	rBV	109743	350038	20.17%	1.741%
93	24.104	3572	3577	3583	rBV2	91191	182864	10.54%	0.909%
94	24.786	3685	3693	3700	rBV	424995	1102104	63.50%	5.481%
95	25.009	3723	3731	3739	rBV2	362012	1032543	59.49%	5.135%

Sum of corrected areas: 20108201

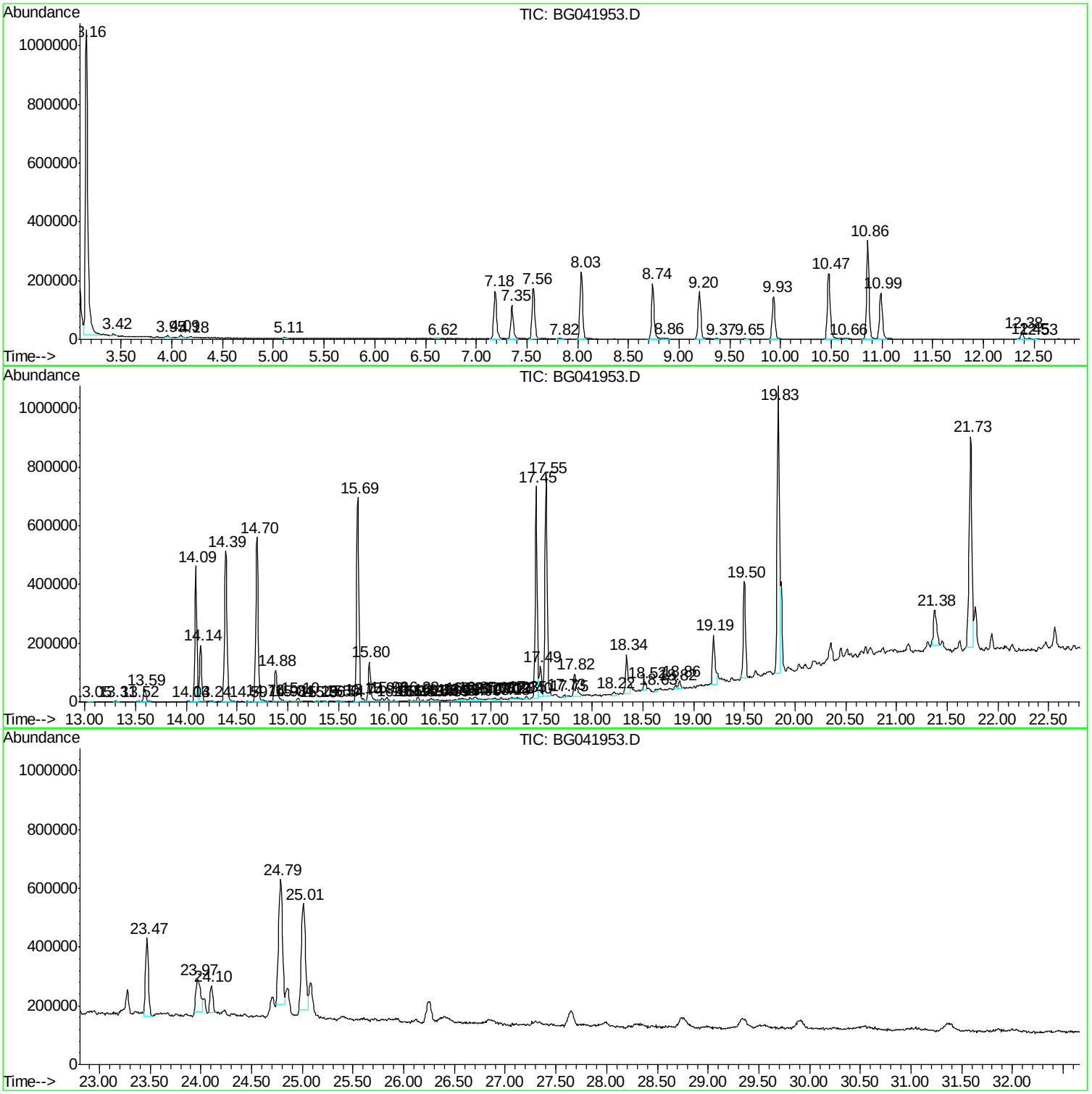
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041953.D
Acq On : 4 Aug 2019 22:05
Operator : HP/JU
Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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\BG080319\
Data File : BG041953.D
Acq On : 4 Aug 2019 22:05
Operator : HP/JU
Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

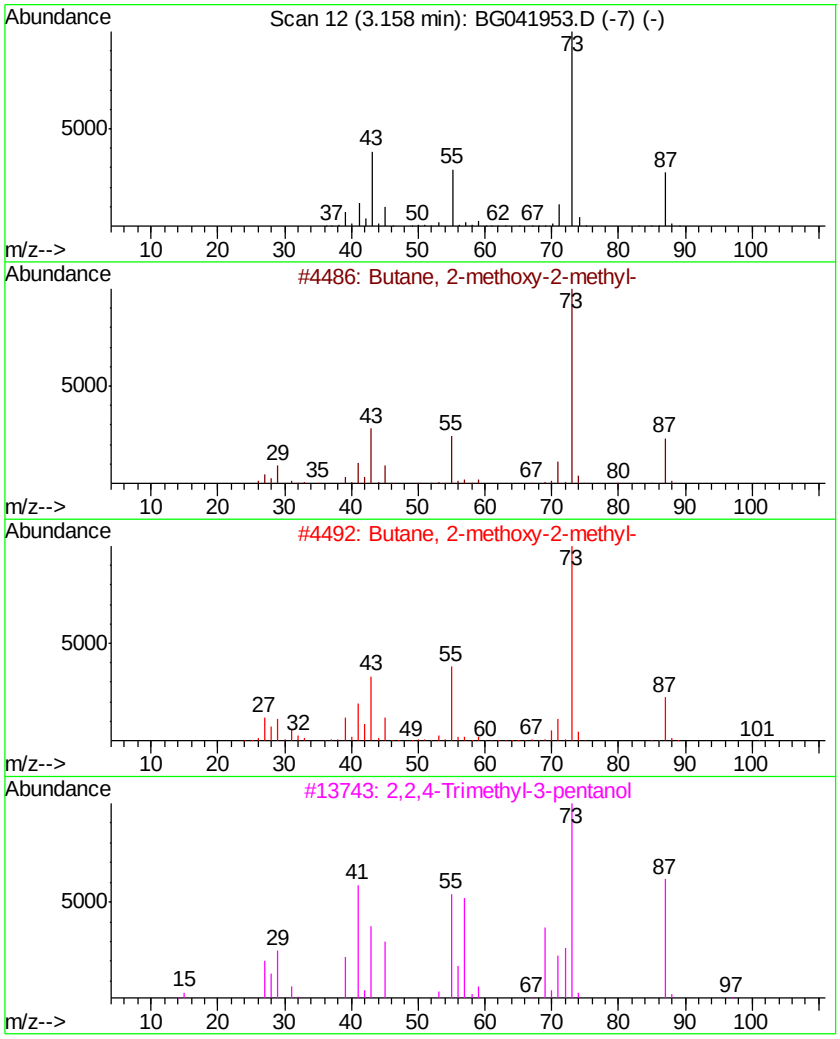
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

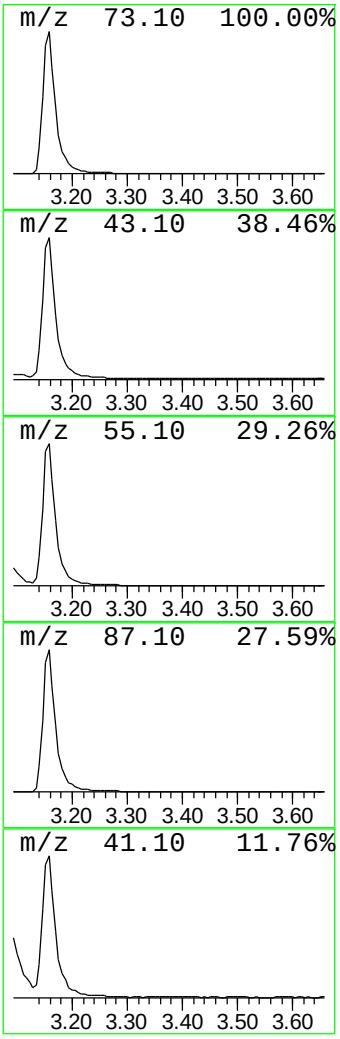
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	84.87 ng/ul	1735590	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	53
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35





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Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

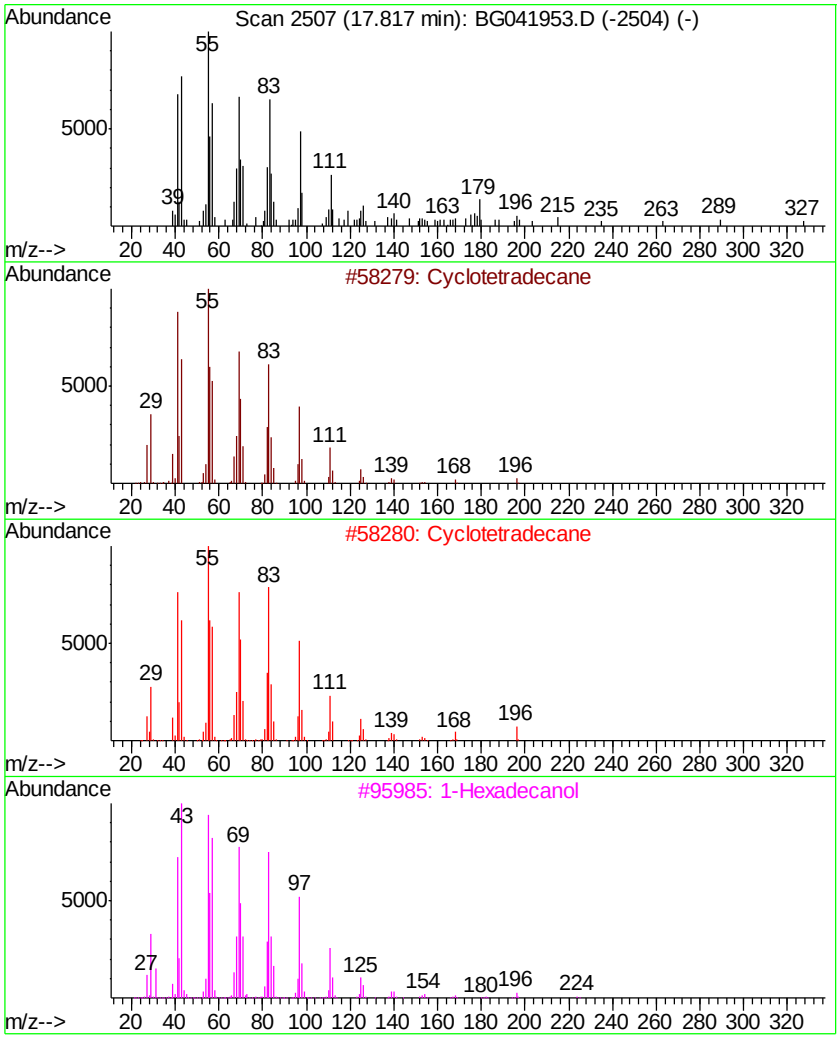
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

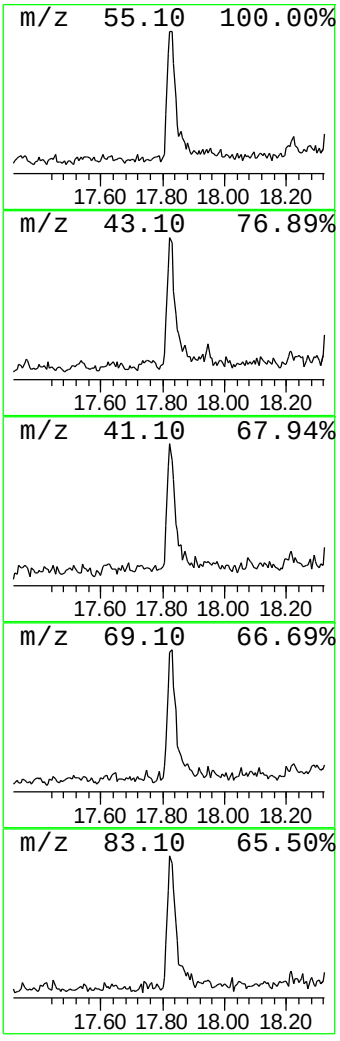
****

Peak Number 2 (DEL) Alkane: Cyclic17.82 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	3.27 ng/ul	169940	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	97
2	Cyclotetradecane	196	C14H28	000295-17-0	96
3	1-Hexadecanol	242	C16H34O	036653-82-4	91
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
5	1-Tetradecanol	214	C14H30O	000112-72-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
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Misc :
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Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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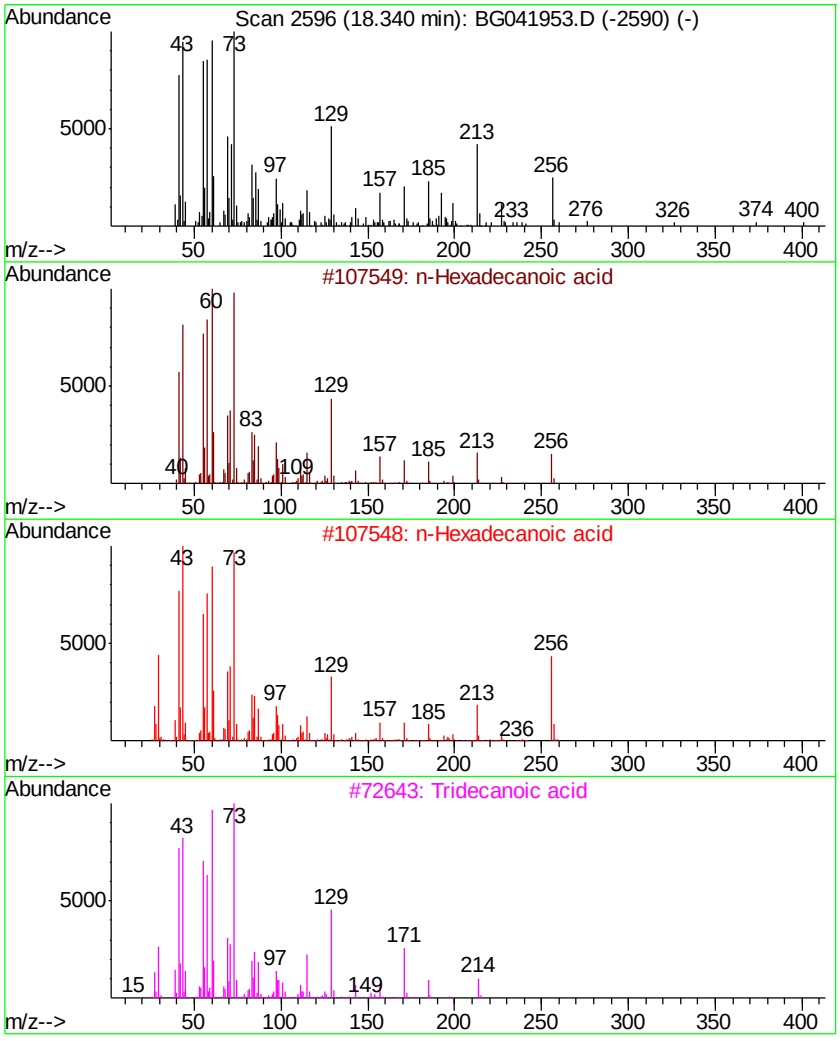
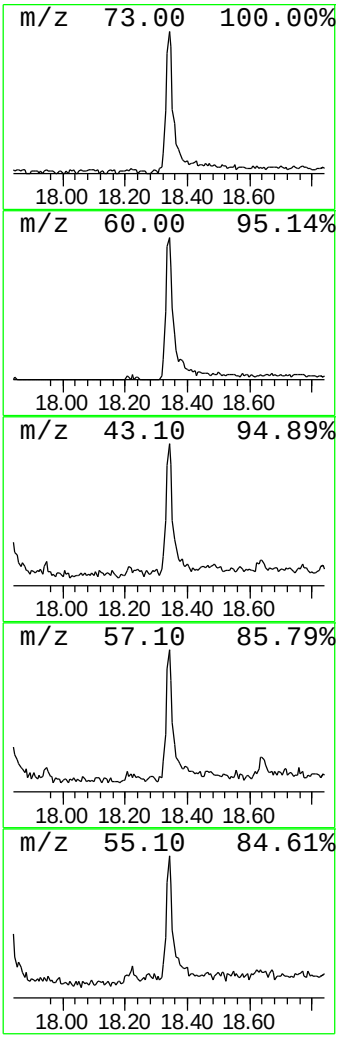
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.25 ng/ul	220929	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Octadecanoic acid	284	C18H36O2	000057-11-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041953.D
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Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

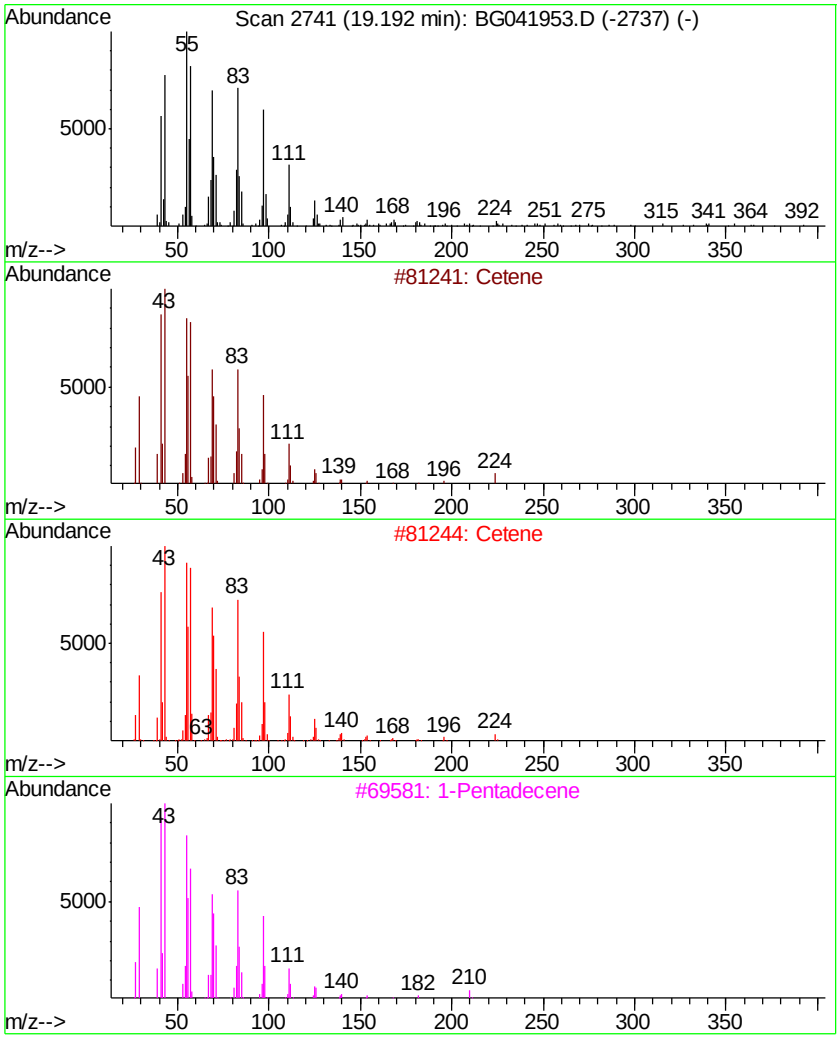
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

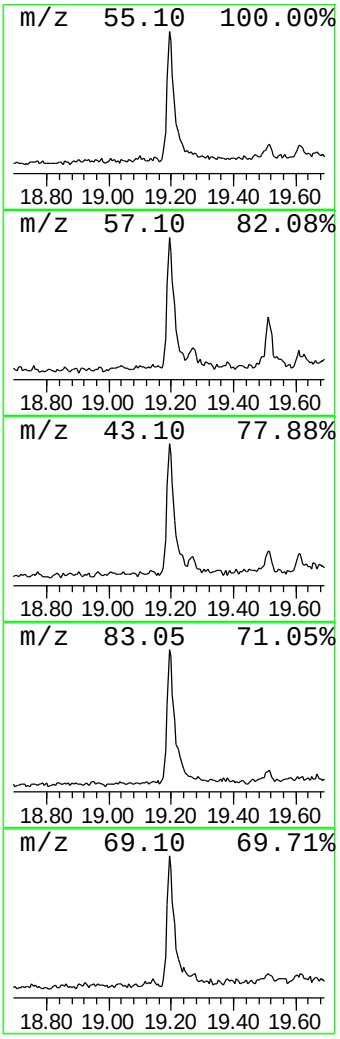
****

Peak Number 4 (DEL) Alkane: Cyclic19.19 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	5.63 ng/ul	292667	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	98
2	Cetene	224	C16H32	000629-73-2	98
3	1-Pentadecene	210	C15H30	013360-61-7	96
4	Cetene	224	C16H32	000629-73-2	95
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	94





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Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

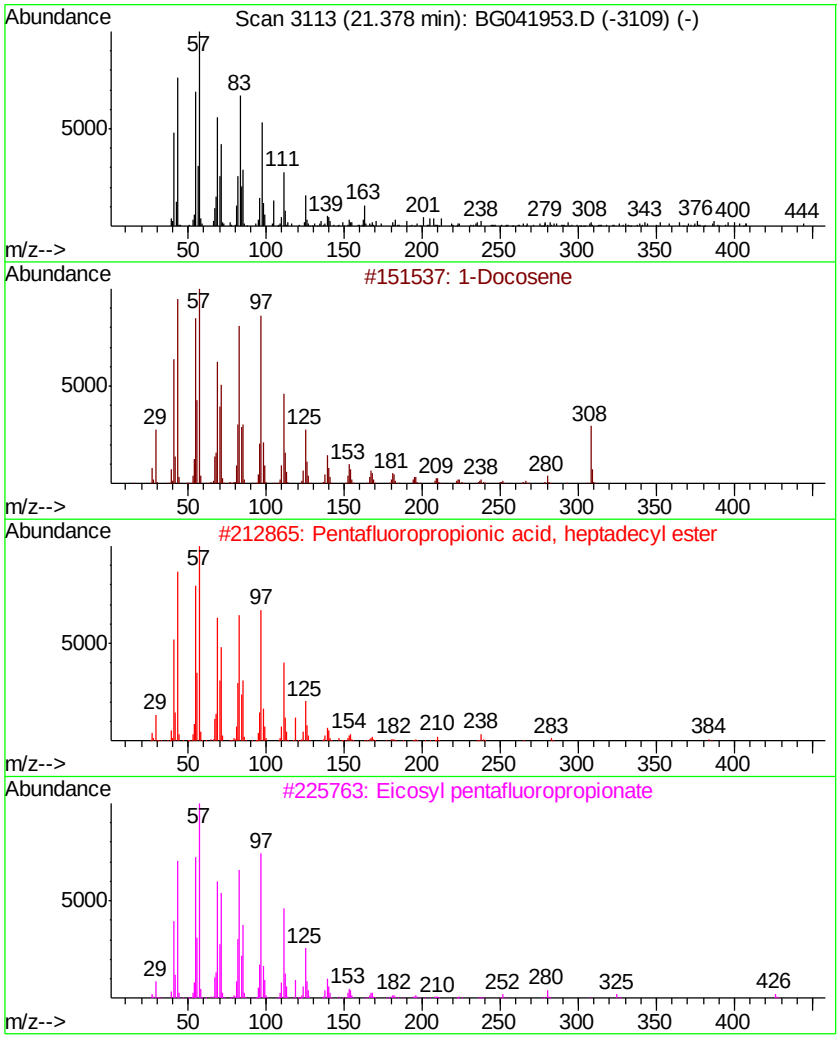
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

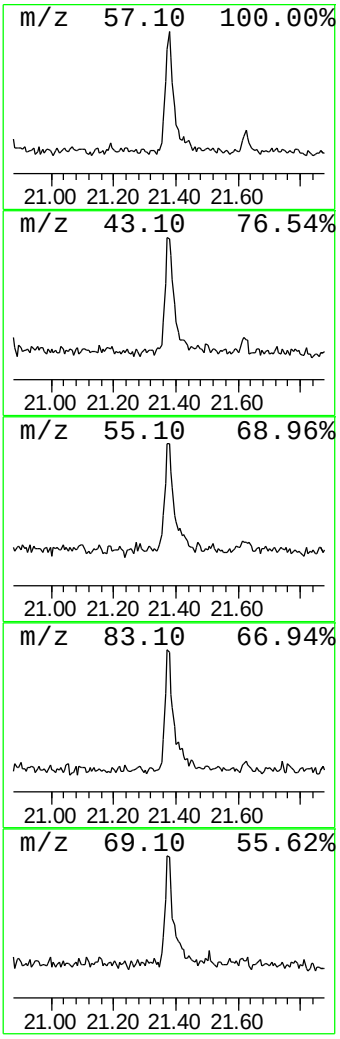
****

Peak Number 5 (DEL) Alkane: Cyclic21.38 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	3.42 ng/ul	246466	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91
3	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91





Library Search Compound Report

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Data File : BG041953.D
Acq On : 4 Aug 2019 22:05
Operator : HP/JU
Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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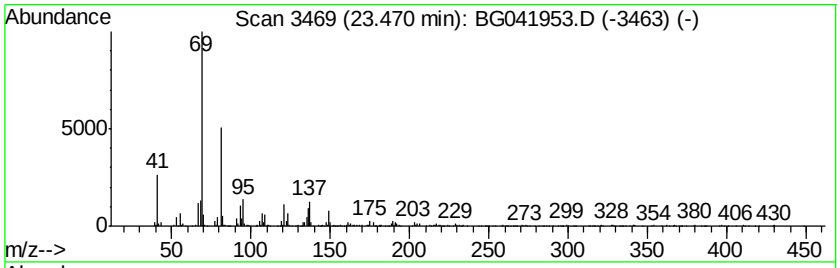
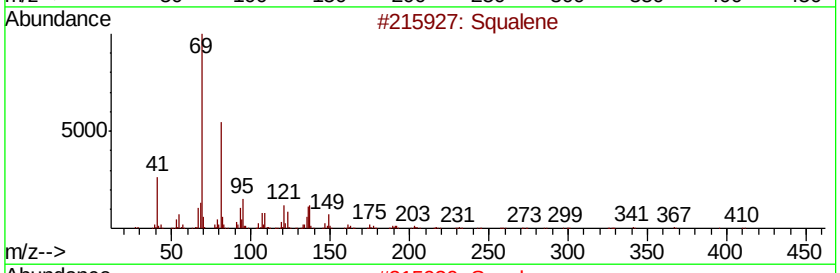
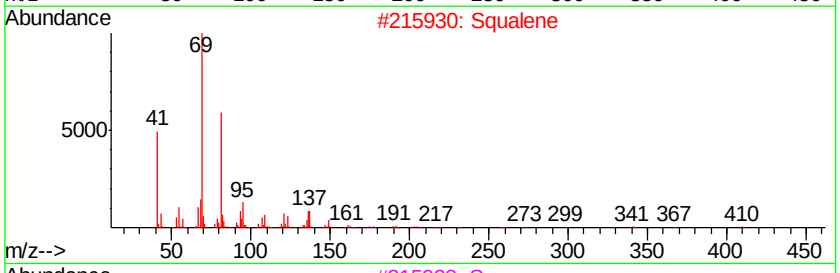
Peak Number 6 Squalene Concentration Rank 2

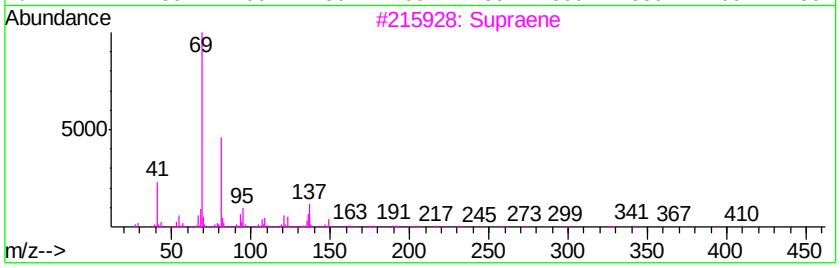
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.47	10.11 ng/ul	521720	Perylene-d12	25.01

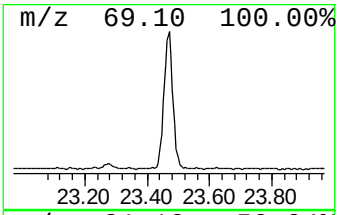
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	99
2	Squalene	410	C30H50	000111-02-4	99
3	Supraene	410	C30H50	007683-64-9	98
4	Squalene	410	C30H50	000111-02-4	90
5	Squalene	410	C30H50	000111-02-4	86

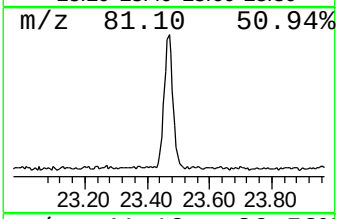


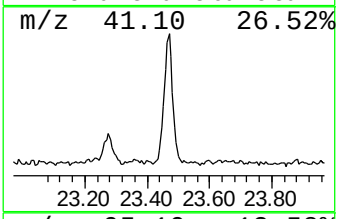


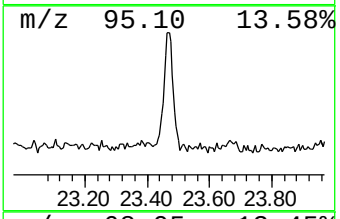


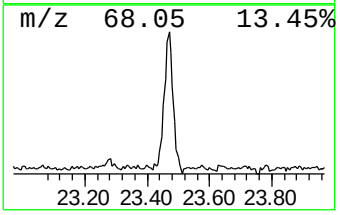












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041953.D
Acq On : 4 Aug 2019 22:05
Operator : HP/JU
Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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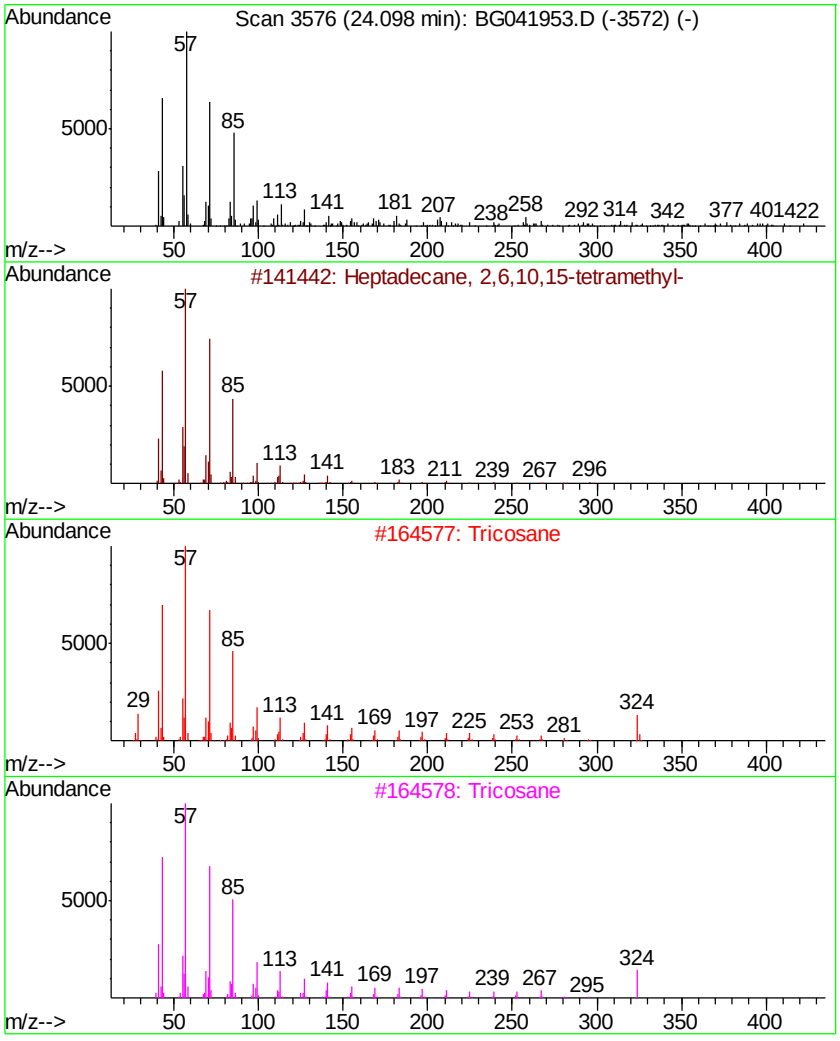
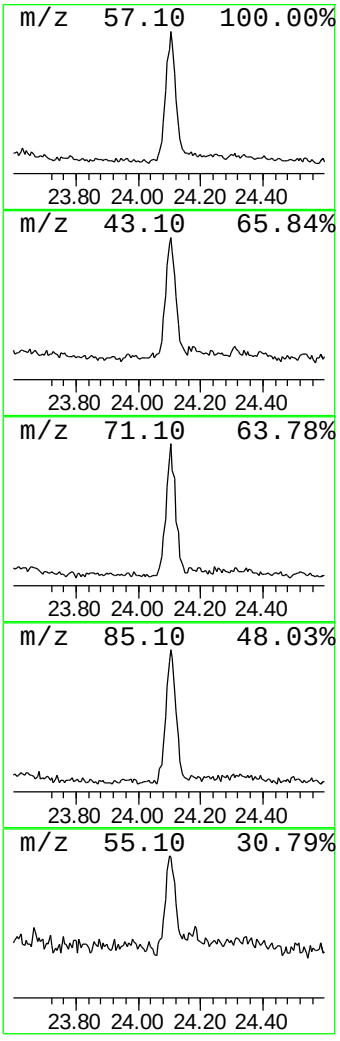
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	3.54 ng/ul	182864	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2	Tricosane	324	C23H48	000638-67-5	81
3	Tricosane	324	C23H48	000638-67-5	81
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	81
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041953.D
Acq On : 4 Aug 2019 22:05
Operator : HP/JU
Sample : K3962-19
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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
Butane, 2-methoxy...	3.16	84.9	ng/ul	1735590	1	8.03	408987	20.0
(DEL) Alkane: Cyc...	17.82	3.3	ng/ul	169940	4	17.45	1040200	20.0
n-Hexadecanoic acid	18.34	4.3	ng/ul	220929	4	17.45	1040200	20.0
(DEL) Alkane: Cyc...	19.19	5.6	ng/ul	292667	4	17.45	1040200	20.0
(DEL) Alkane: Cyc...	21.38	3.4	ng/ul	246466	5	21.73	1443090	20.0
Squalene	23.47	10.1	ng/ul	521720	6	25.01	1032540	20.0
(DEL) Alkane: Str...	24.10	3.5	ng/ul	182864	6	25.01	1032540	20.0