LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042113.D
Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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	3.147	5	10	34	rVB	1382066	2212969	100.00%	9.830%
2	3.411	51	55	63	rVB2	7534	13214	0.60%	0.059%
3	3.840	124	128	132	rVB6	2808	5296	0.24%	0.024%
4	3.940	141	145	150	rBV	14026	19890	0.90%	0.088%
5	4.075	163	168	174	rVB2	9950	16293	0.74%	0.072%
6	4.169	177	184	185	rBV4	3778	5884	0.27%	0.026%
7	5.103	336	343	348	rBV5	5527	10809	0.49%	0.048%
8	5.192	354	358	365	rVB5	2713	4736	0.21%	0.021%
9	7.183	690	697	710	rBV2	153973	332723	15.04%	1.478%
10	7.342	718	724	735	rBV	108216	190006	8.59%	0.844%
11	7.554	754	760	769	rBV	162743	295245	13.34%	1.311%
12	8.024	833	840	850	rBV	241418	429287	19.40%	1.907%
13	8.735	953	961	976	rBV	189383	372496	16.83%	1.655%
14	8.846	979	980	986	rVB3	3132	4632	0.21%	0.021%
15	9.193	1030	1039	1049	rBV	152264	277559	12.54%	1.233%
16	9.921	1156	1163	1173	rBV	137507	251058	11.34%	1.115%
17	10.468	1249	1256	1272	rBV	223340	441472	19.95%	1.961%
18	10.850	1313	1321	1328	rBV	356177	642760	29.05%	2.855%
19	10.897	1328	1329	1334	rVB2	8321	8967	0.41%	0.040%
20	10.985	1337	1344	1356	rBV	100430	216544	9.79%	0.962%
21	12.283	1561	1565	1572	rVB3	3368	6162	0.28%	0.027%
22	12.377	1575	1581	1585	rVV4	2348	5666	0.26%	0.025%
23	12.436	1588	1591	1598	rVV2	4720	8530	0.39%	0.038%
24	12.512	1600	1604	1614	rVB2	6871	13202	0.60%	0.059%
25	12.736	1635	1642	1648	rBV2	5918	10294	0.47%	0.046%
26	13.517	1770	1775	1781	rBV3	6892	10884	0.49%	0.048%
27	14.005	1854	1858	1864	rBV2	9787	15854	0.72%	0.070%
28	14.087	1864	1872	1876	rVV	431864	655538	29.62%	2.912%
29	14.134	1876	1880	1885	rVV	103805	155961	7.05%	0.693%
30	14.169	1885	1886	1891	rVV	4375	4529	0.20%	0.020%
31	14.246	1895	1899	1903	rVV3	4631	6595	0.30%	0.029%
32	14.381	1911	1922	1937	rBV	534593	860475	38.88%	3.822%
33	14.586	1953	1957	1961	rVB2	7472	9833	0.44%	0.044%
34	14.686	1966	1974	1981	rBV	611571	963021	43.52%	4.278%

LSC Area Percent Report

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Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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	14.751	1981	1985	1992	rVB	10245	15551	0.70%	0.069%
36	14.880	2001	2007	2011	rBV	100466	187480	8.47%	0.833%
37	14.933	2011	2016	2031	rVV	206906	422224	19.08%	1.875%
38	15.033	2031	2033	2038	rVV5	8790	17311	0.78%	0.077%
39	15.092	2039	2043	2049	rVV4	18189	33333	1.51%	0.148%
40	15.156	2049	2054	2060	rVV4	5855	11200	0.51%	0.050%
41	15.297	2075	2078	2085	rVV4	4918	9323	0.42%	0.041%
42	15.356	2085	2088	2093	rVB4	5150	8346	0.38%	0.037%
43	15.480	2100	2109	2113	rBV6	9581	20591	0.93%	0.091%
44	15.538	2113	2119	2127	rVB7	10482	21170	0.96%	0.094%
45	15.679	2132	2143	2149	rBV	689500	1079086	48.76%	4.793%
46	15.732	2149	2152	2157	rVB3	22741	27023	1.22%	0.120%
47	15.797	2157	2163	2171	rBV	161097	247353	11.18%	1.099%
48	15.920	2178	2184	2186	rBV4	7535	12542	0.57%	0.056%
49	16.032	2198	2203	2210	rVB6	8782	21278	0.96%	0.095%
50	16.096	2210	2214	2217	rBV4	3846	6562	0.30%	0.029%
51	16.185	2222	2229	2235	rVB7	7342	16813	0.76%	0.075%
52	16.261	2235	2242	2244	rBV6	4072	7688	0.35%	0.034%
53	16.326	2247	2253	2257	rBV5	7373	13609	0.61%	0.060%
54	16.402	2262	2266	2268	rBV3	16504	23737	1.07%	0.105%
55	16.461	2274	2276	2281	rVB4	3565	5097	0.23%	0.023%
56	16.549	2287	2291	2293	rVV4	4986	7344	0.33%	0.033%
57	16.613	2300	2302	2307	rVB4	4281	5608	0.25%	0.025%
58	16.743	2315	2324	2329	rBV9	10094	27156	1.23%	0.121%
59	16.796	2329	2333	2337	rVB7	6525	11586	0.52%	0.051%
60	16.837	2337	2340	2341	rBV3	5223	5200	0.23%	0.023%
61	16.954	2356	2360	2361	rBV4	4943	5812	0.26%	0.026%
62	16.978	2361	2364	2366	rVV4	6912	9176	0.41%	0.041%
63	17.013	2366	2370	2373	rVB5	9516	11991	0.54%	0.053%
64	17.089	2380	2383	2390	rVB3	13810	25198	1.14%	0.112%
65	17.195	2390	2401	2405	rBV5	18695	42171	1.91%	0.187%
66	17.254	2407	2411	2418	rVB3	16557	31296	1.41%	0.139%
67	17.336	2420	2425	2431	rBV8	10707	21023	0.95%	0.093%
68	17.401	2432	2436	2437	rBV4	7167	7935	0.36%	0.035%
69	17.436	2437	2442	2447	rVV2	692929	1134855	51.28%	5.041%
70	17.477	2447	2449	2454	rVV	202878	276814	12.51%	1.230%
71	17.536	2454	2459	2470	rVB2	693974	1120636	50.64%	4.978%

LSC Area Percent Report

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Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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

72	17.630	2471	2475	2479	rBV5	11219	16542	0.75%	0.073%
73	17.847	2508	2512	2515	rBV	10013	13753	0.62%	0.061%
74	17.935	2524	2527	2530	rBV3	16040	22203	1.00%	0.099%
75	18.018	2538	2541	2547	rVB2	19343	29718	1.34%	0.132%
76	18.153	2562	2564	2565	rBV2	8822	5893	0.27%	0.026%
77	18.329	2587	2594	2597	rBV2	107074	208095	9.40%	0.924%
78	18.364	2597	2600	2605	rVB	92346	127172	5.75%	0.565%
79	18.447	2611	2614	2618	rVB2	23539	30678	1.39%	0.136%
80	18.511	2619	2625	2629	rBV3	94260	182703	8.26%	0.812%
81	18.547	2629	2631	2638	rVB	54884	74480	3.37%	0.331%
82	18.629	2642	2645	2649	rBV3	16844	20015	0.90%	0.089%
83	18.811	2673	2676	2680	rBV2	35246	42027	1.90%	0.187%
84	18.852	2680	2683	2691	rVB2	37695	65197	2.95%	0.290%
85	19.058	2715	2718	2721	rBV	28001	31928	1.44%	0.142%
86	19.228	2743	2747	2754	rBV	79382	166945	7.54%	0.742%
87	19.369	2768	2771	2777	rVB4	36935	58522	2.64%	0.260%
88	19.492	2787	2792	2798	rVB	455575	616601	27.86%	2.739%
89	19.551	2799	2802	2806	rVB4	31968	43519	1.97%	0.193%
90	19.592	2806	2809	2813	rBV5	29211	38023	1.72%	0.169%
91	19.827	2843	2849	2852	rBV	948096	1526310	68.97%	6.780%
92	20.344	2934	2937	2944	rVB2	107830	174760	7.90%	0.776%
93	20.503	2962	2964	2968	rVB	92204	107447	4.86%	0.477%
94	20.644	2985	2988	2991	rBV	61865	72371	3.27%	0.321%
95	21.373	3108	3112	3120	rVB3	207103	373921	16.90%	1.661%
96	21.725	3164	3172	3176	rBV3	820067	1812552	81.91%	8.051%
97	21.766	3176	3179	3189	rVB	273890	488015	22.05%	2.168%
98	23.964	3546	3553	3562	rBV2	159472	528860	23.90%	2.349%
99	24.769	3684	3690	3697	rBV	379934	889286	40.19%	3.950%
100	24.998	3720	3729	3737	rBV2	461750	1316225	59.48%	5.846%

Sum of corrected areas: 22513263

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
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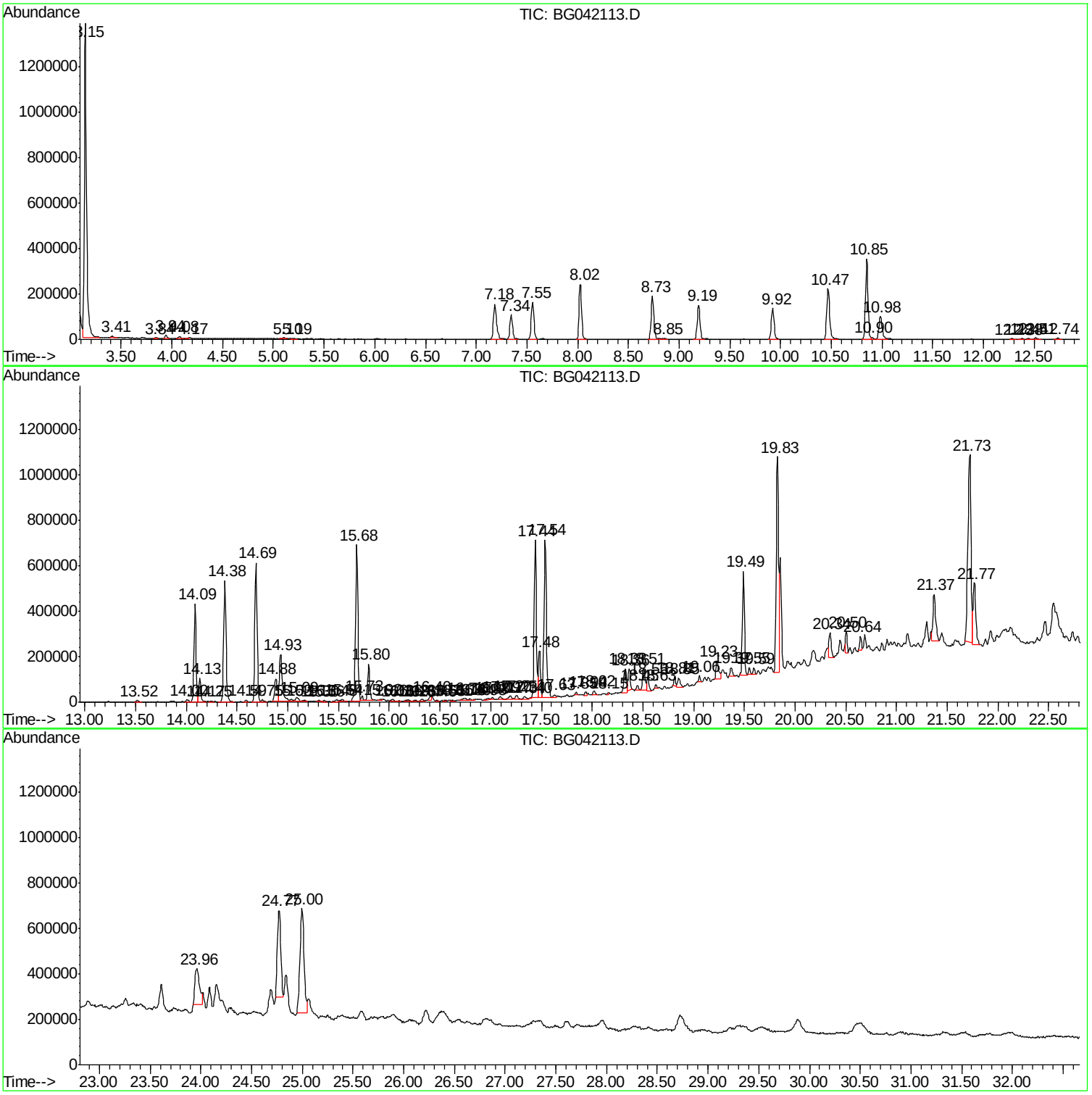
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENW7

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\BG080819\
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Instrument : BNA_G
ClientSampleId : BENW7

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

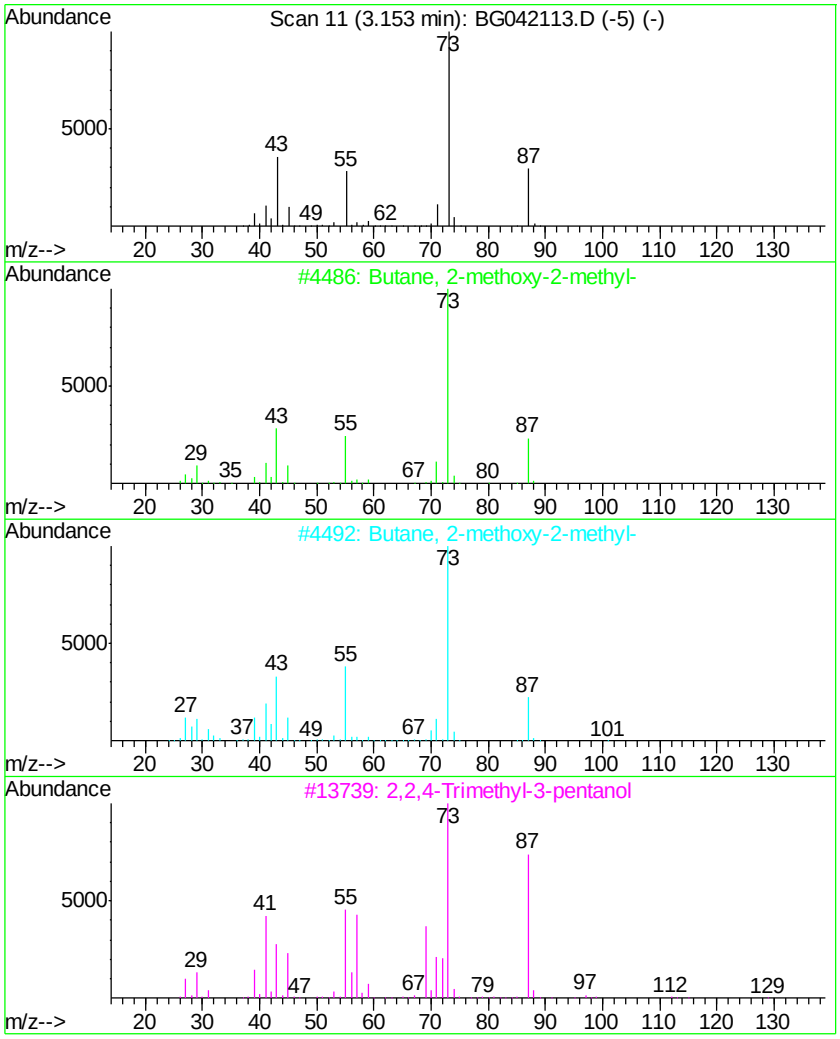
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

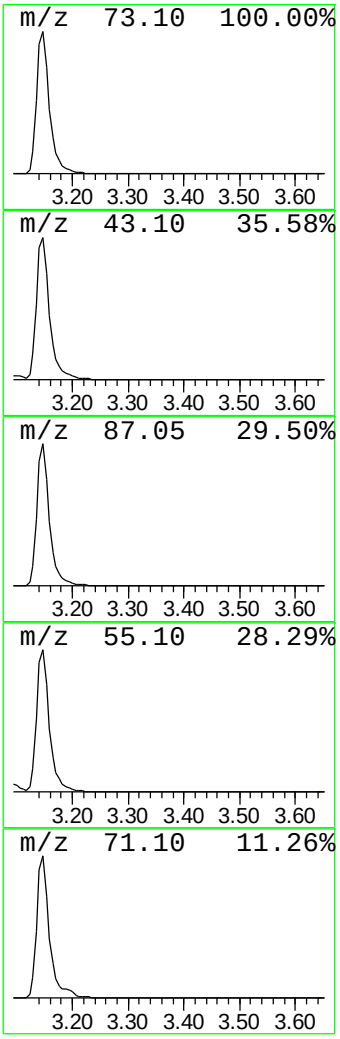
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	103.10 ng/ul	2212970	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042113.D
Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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

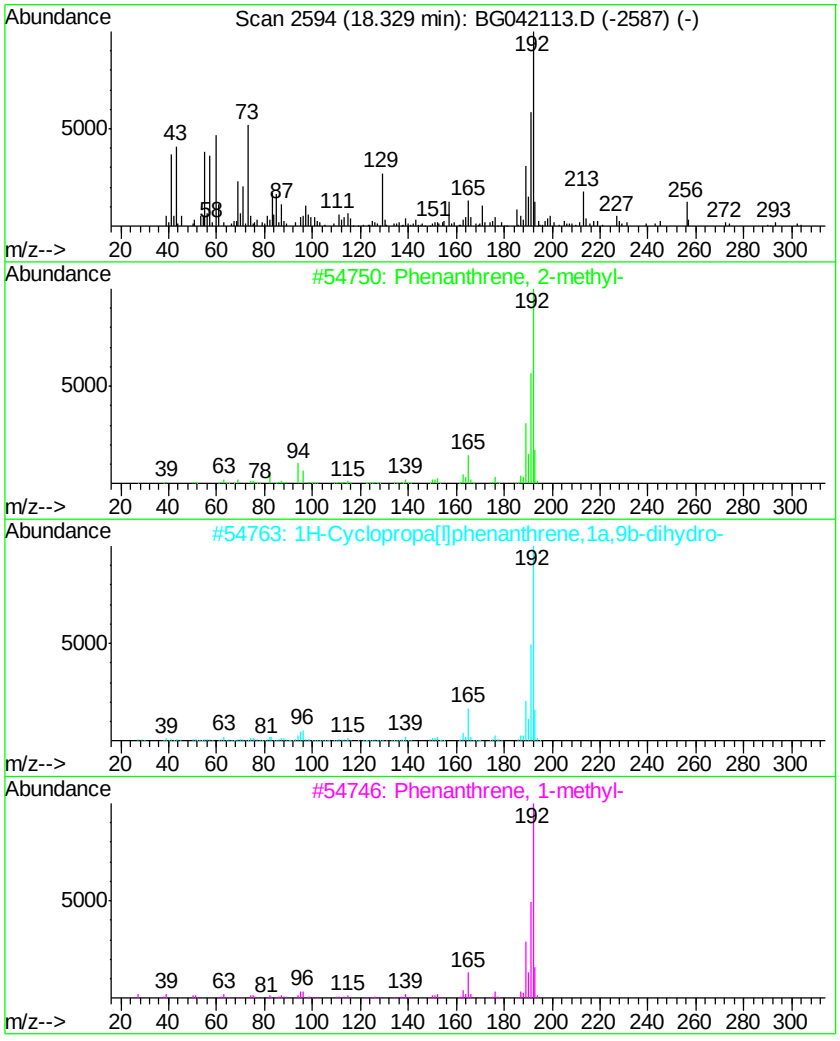
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

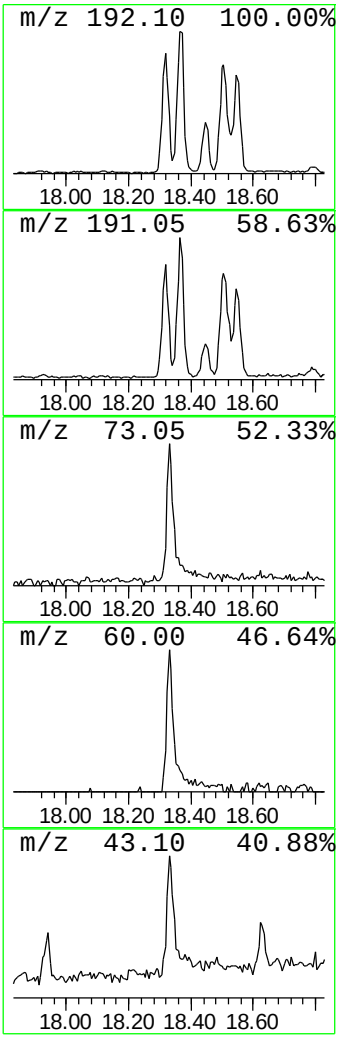
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	3.67 ng/ul	208095	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042113.D
Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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

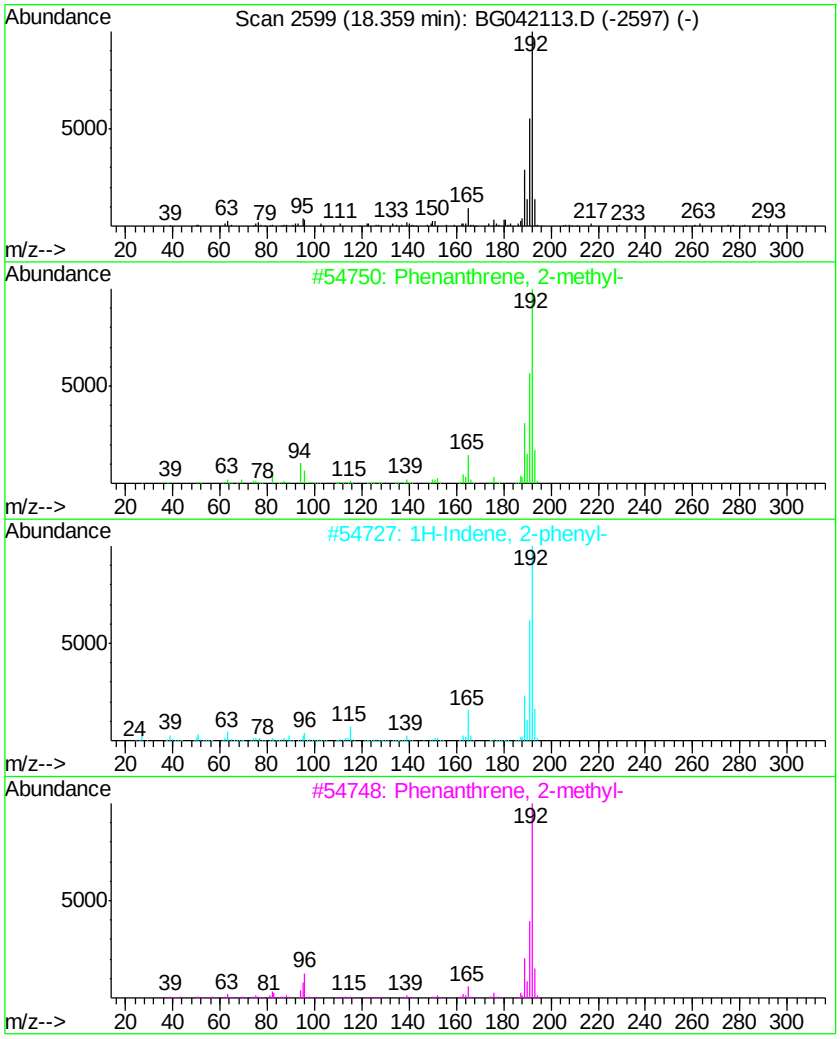
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

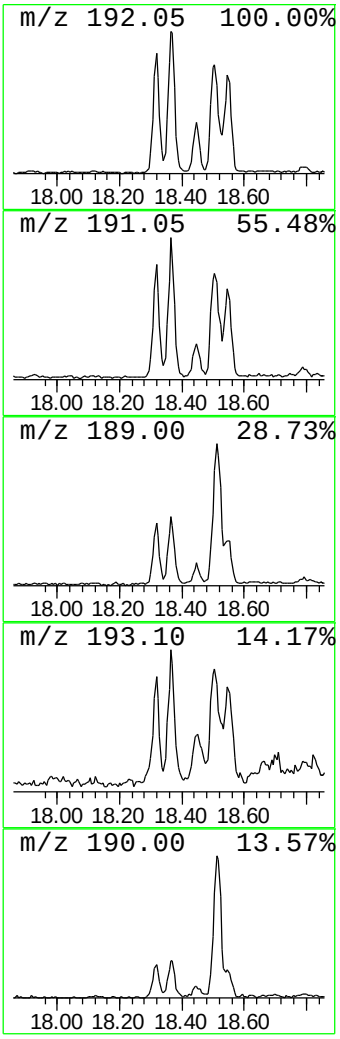
****

Peak Number 3 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.24 ng/ul	127172	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042113.D
Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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

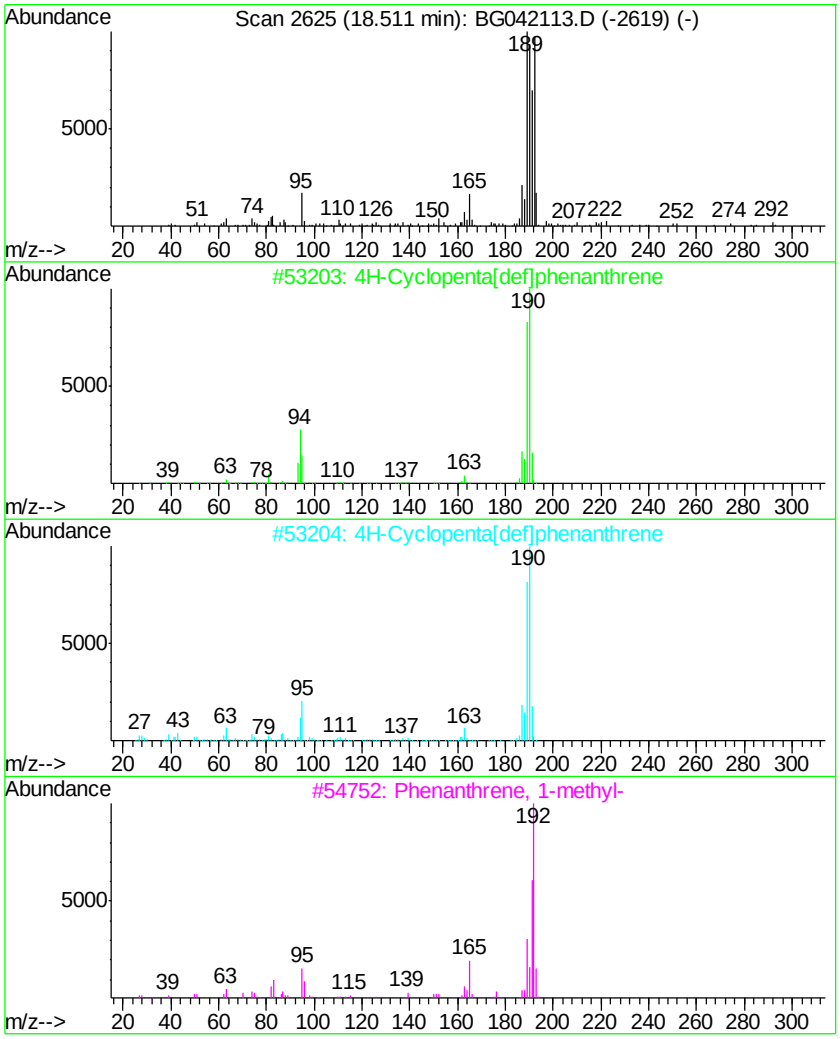
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

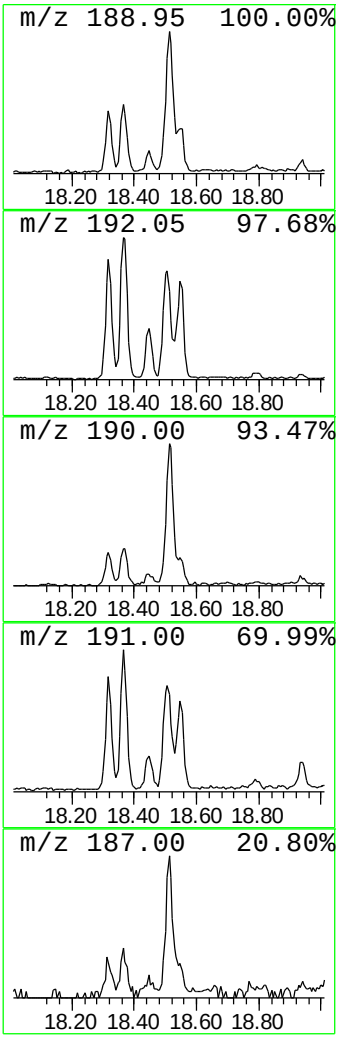
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	3.22 ng/ul	182703	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	41
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	41





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042113.D
Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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

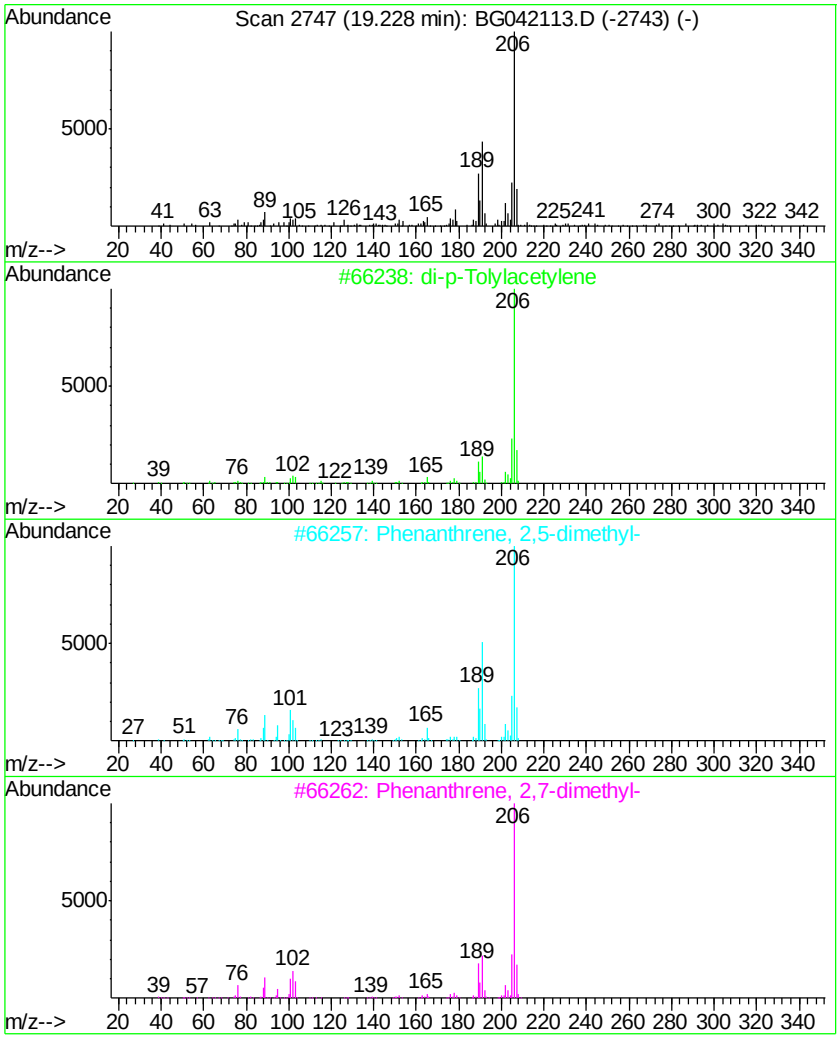
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

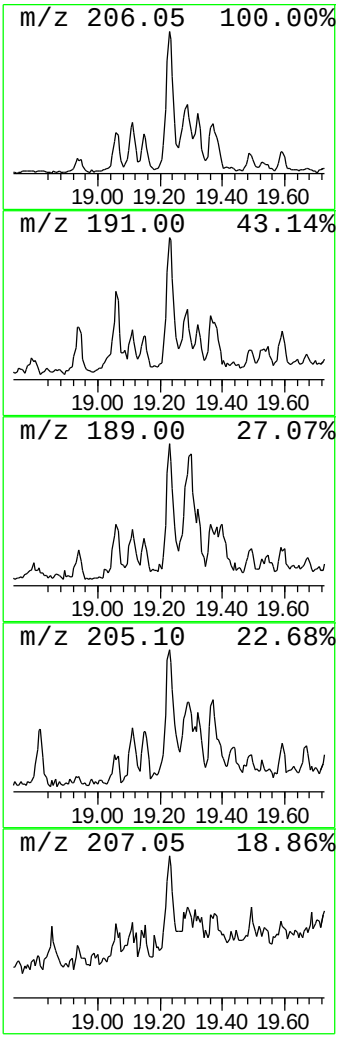
****

Peak Number 5 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.94 ng/ul	166945	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042113.D
Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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

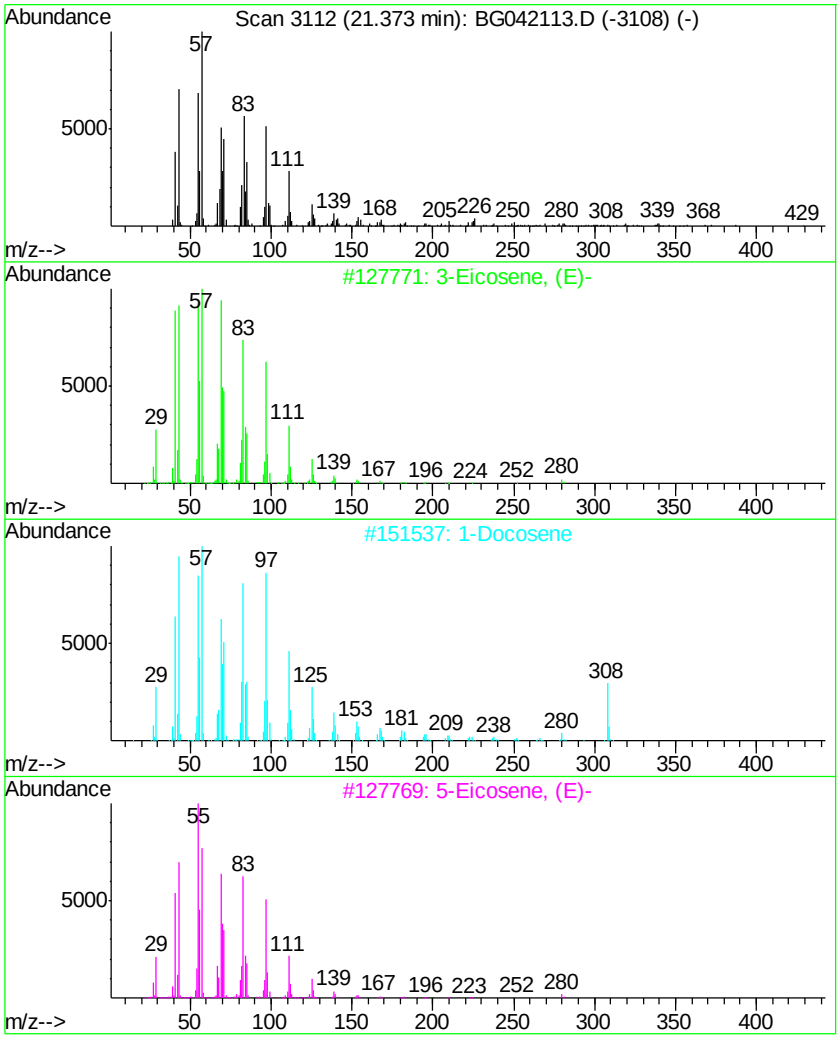
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

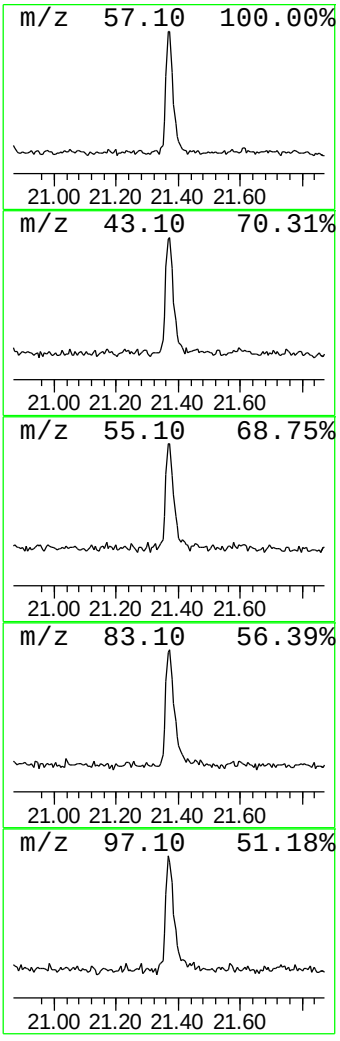
****

Peak Number 6 (DEL) Alkane: Cyclic21.37 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	4.13 ng/ul	373921	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	96
2	1-Docosene	308	C22H44	001599-67-3	95
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080819\
Data File : BG042113.D
Acq On : 9 Aug 2019 22:05
Operator : HP/JU
Sample : K4041-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW7

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...	3.15	103.1	ng/ul	2212970	1	8.03	429287	20.0
Phenanthrene, 2-m...	18.33	3.7	ng/ul	208095	4	17.44	1134860	20.0
1H-Indene, 2-phenyl-	18.36	2.2	ng/ul	127172	4	17.44	1134860	20.0
4H-Cyclopenta[def...	18.51	3.2	ng/ul	182703	4	17.44	1134860	20.0
di-p-Tolylacetylene	19.23	2.9	ng/ul	166945	4	17.44	1134860	20.0
(DEL) Alkane: Cyc...	21.37	4.1	ng/ul	373921	5	21.73	1812550	20.0