LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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	3.144	5	9	31	rVB	1429250	2291341	29.88%	5.712%
2	7.174	687	695	709	rBV	117988	235207	3.07%	0.586%
3	7.345	716	724	733	rBV	95504	171147	2.23%	0.427%
4	7.556	753	760	771	rVB	140442	249382	3.25%	0.622%
5	8.026	833	840	851	rBV	224300	383521	5.00%	0.956%
6	8.731	952	960	972	rBV	149743	281490	3.67%	0.702%
7	9.190	1031	1038	1048	rBV	134062	240510	3.14%	0.600%
8	9.924	1155	1163	1176	rBV	114989	213971	2.79%	0.533%
9	10.471	1248	1256	1273	rBV	180490	364092	4.75%	0.908%
10	10.852	1311	1321	1327	rBV	327931	587639	7.66%	1.465%
11	10.982	1336	1343	1356	rBV	132874	272060	3.55%	0.678%
12	14.008	1851	1858	1864	rBV3	15809	29210	0.38%	0.073%
13	14.084	1864	1871	1876	rVV	434694	647788	8.45%	1.615%
14	14.131	1876	1879	1889	rVB	159088	221947	2.89%	0.553%
15	14.378	1911	1921	1936	rBV	490412	798859	10.42%	1.991%
16	14.689	1963	1974	1980	rBV2	572526	910819	11.88%	2.270%
17	14.754	1980	1985	1992	rVB2	33045	55838	0.73%	0.139%
18	14.871	2000	2005	2011	rBV	86175	175559	2.29%	0.438%
19	14.930	2011	2015	2021	rVB	49604	88392	1.15%	0.220%
20	15.095	2036	2043	2049	rVB3	31108	59116	0.77%	0.147%
21	15.476	2100	2108	2112	rBV6	12045	27069	0.35%	0.067%
22	15.682	2133	2143	2148	rBV	648725	1019885	13.30%	2.542%
23	15.735	2148	2152	2157	rVV2	41819	63284	0.83%	0.158%
24	15.794	2157	2162	2171	rVV	135414	236050	3.08%	0.588%
25	15.899	2177	2180	2186	rVV5	15490	33024	0.43%	0.082%
26	16.029	2199	2202	2210	rVB3	17372	34719	0.45%	0.087%
27	16.176	2220	2227	2235	rVB4	13269	34506	0.45%	0.086%
28	16.411	2260	2267	2273	rVV6	21135	45951	0.60%	0.115%
29	16.746	2321	2324	2328	rVV4	20737	28181	0.37%	0.070%
30	16.793	2328	2332	2337	rVB4	17619	27526	0.36%	0.069%
31	16.892	2345	2349	2354	rVB3	15948	26405	0.34%	0.066%
32	16.969	2355	2362	2366	rBV6	13444	34934	0.46%	0.087%
33	17.010	2366	2369	2377	rVB5	15596	26920	0.35%	0.067%
34	17.092	2378	2383	2389	rVB3	24214	39984	0.52%	0.100%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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	17.257	2406	2411	2419	rVB	35559	50098	0.65%	0.125%
36	17.351	2422	2427	2433	rVB9	13088	23618	0.31%	0.059%
37	17.439	2433	2442	2446	rBV2	705486	1130201	14.74%	2.817%
38	17.480	2446	2449	2454	rVB	549560	746594	9.74%	1.861%
39	17.539	2454	2459	2463	rBV	681530	1042975	13.60%	2.600%
40	17.627	2470	2474	2481	rBV5	19992	38242	0.50%	0.095%
41	17.844	2501	2511	2514	rBV2	28161	68941	0.90%	0.172%
42	17.956	2528	2530	2536	rVB2	20979	24630	0.32%	0.061%
43	18.020	2536	2541	2549	rBV2	52485	92213	1.20%	0.230%
44	18.167	2561	2566	2570	rBV2	21300	39268	0.51%	0.098%
45	18.238	2572	2578	2582	rBV4	14426	28575	0.37%	0.071%
46	18.320	2587	2592	2596	rBV	183110	342085	4.46%	0.853%
47	18.367	2596	2600	2604	rVB	194515	274931	3.59%	0.685%
48	18.444	2609	2613	2618	rVV2	71369	114774	1.50%	0.286%
49	18.508	2618	2624	2628	rVV2	229369	438913	5.72%	1.094%
50	18.549	2628	2631	2638	rVB	131335	197237	2.57%	0.492%
51	18.626	2639	2644	2648	rBV6	20829	41033	0.54%	0.102%
52	18.714	2655	2659	2664	rBV3	25978	37972	0.50%	0.095%
53	18.814	2671	2676	2679	rBV2	97326	139348	1.82%	0.347%
54	18.849	2679	2682	2693	rVB2	77416	149099	1.94%	0.372%
55	18.937	2693	2697	2704	rBV	31911	63351	0.83%	0.158%
56	19.060	2710	2718	2722	rBV2	68516	130039	1.70%	0.324%
57	19.107	2723	2726	2729	rBV	40244	51764	0.68%	0.129%
58	19.143	2730	2732	2737	rVB2	41640	53481	0.70%	0.133%
59	19.231	2741	2747	2751	rBV	155604	270154	3.52%	0.673%
60	19.319	2760	2762	2766	rVB	55767	64243	0.84%	0.160%
61	19.366	2766	2770	2777	rBV4	80781	150613	1.96%	0.375%
62	19.425	2778	2780	2784	rVB4	38719	41797	0.55%	0.104%
63	19.489	2786	2791	2797	rVB	847776	1231711	16.06%	3.070%
64	19.554	2797	2802	2805	rBV4	59793	87900	1.15%	0.219%
65	19.589	2805	2808	2813	rVV3	42245	60149	0.78%	0.150%
66	19.689	2821	2825	2826	rBV4	25855	32656	0.43%	0.081%
67	19.736	2830	2833	2837	rVB2	28351	35439	0.46%	0.088%
68	19.824	2842	2848	2851	rBV	1025990	1714291	22.36%	4.273%
69	19.854	2851	2853	2861	rVV	999364	1233304	16.08%	3.074%
70	19.930	2861	2866	2871	rVB3	70729	126427	1.65%	0.315%
71	20.024	2879	2882	2889	rVB3	34111	62200	0.81%	0.155%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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	20.083	2889	2892	2898	rVB2	53760	87443	1.14%	0.218%
73	20.177	2902	2908	2918	rBV3	111981	309889	4.04%	0.772%
74	20.341	2927	2936	2942	rBV	200203	485439	6.33%	1.210%
75	20.447	2950	2954	2958	rVV	111538	151787	1.98%	0.378%
76	20.506	2959	2964	2968	rVB2	148542	229858	3.00%	0.573%
77	20.641	2983	2987	2991	rBV	134496	179222	2.34%	0.447%
78	20.688	2991	2995	2999	rVB	123894	161991	2.11%	0.404%
79	21.105	3061	3066	3075	rVB2	114789	266349	3.47%	0.664%
80	21.299	3091	3099	3102	rBV3	107465	233890	3.05%	0.583%
81	21.340	3102	3106	3108	rBV	79544	101976	1.33%	0.254%
82	21.440	3120	3123	3128	rVB2	66035	95372	1.24%	0.238%
83	21.563	3141	3144	3147	rBV	68538	109964	1.43%	0.274%
84	21.616	3147	3153	3159	rVV	5104041	7668224	100.00%	19.115%
85	21.716	3162	3170	3175	rVV2	887368	2270181	29.61%	5.659%
86	21.769	3175	3179	3192	rVB	503764	971012	12.66%	2.420%
87	21.892	3198	3200	3202	rBV	52992	63256	0.82%	0.158%
88	21.928	3202	3206	3212	rVB2	210584	330674	4.31%	0.824%
89	22.139	3236	3242	3243	rBV4	61278	114434	1.49%	0.285%
90	22.280	3263	3266	3270	rBV	60449	84341	1.10%	0.210%
91	22.386	3280	3284	3289	rBV2	59911	97872	1.28%	0.244%
92	22.539	3305	3310	3318	rBV2	113226	259252	3.38%	0.646%
93	23.955	3543	3551	3559	rBV2	252530	902374	11.77%	2.249%
94	24.084	3568	3573	3580	rVB	93230	194166	2.53%	0.484%
95	24.683	3668	3675	3681	rBV	178654	475681	6.20%	1.186%
96	24.766	3681	3689	3695	rVV	467798	1326454	17.30%	3.306%
97	24.830	3695	3700	3711	rVB	285625	745768	9.73%	1.859%
98	24.989	3717	3727	3734	rBV	431082	1285108	16.76%	3.203%
99	25.059	3735	3739	3752	rVB3	124223	337884	4.41%	0.842%
100	26.211	3931	3935	3946	rVB4	68463	190317	2.48%	0.474%

Sum of corrected areas: 40116770

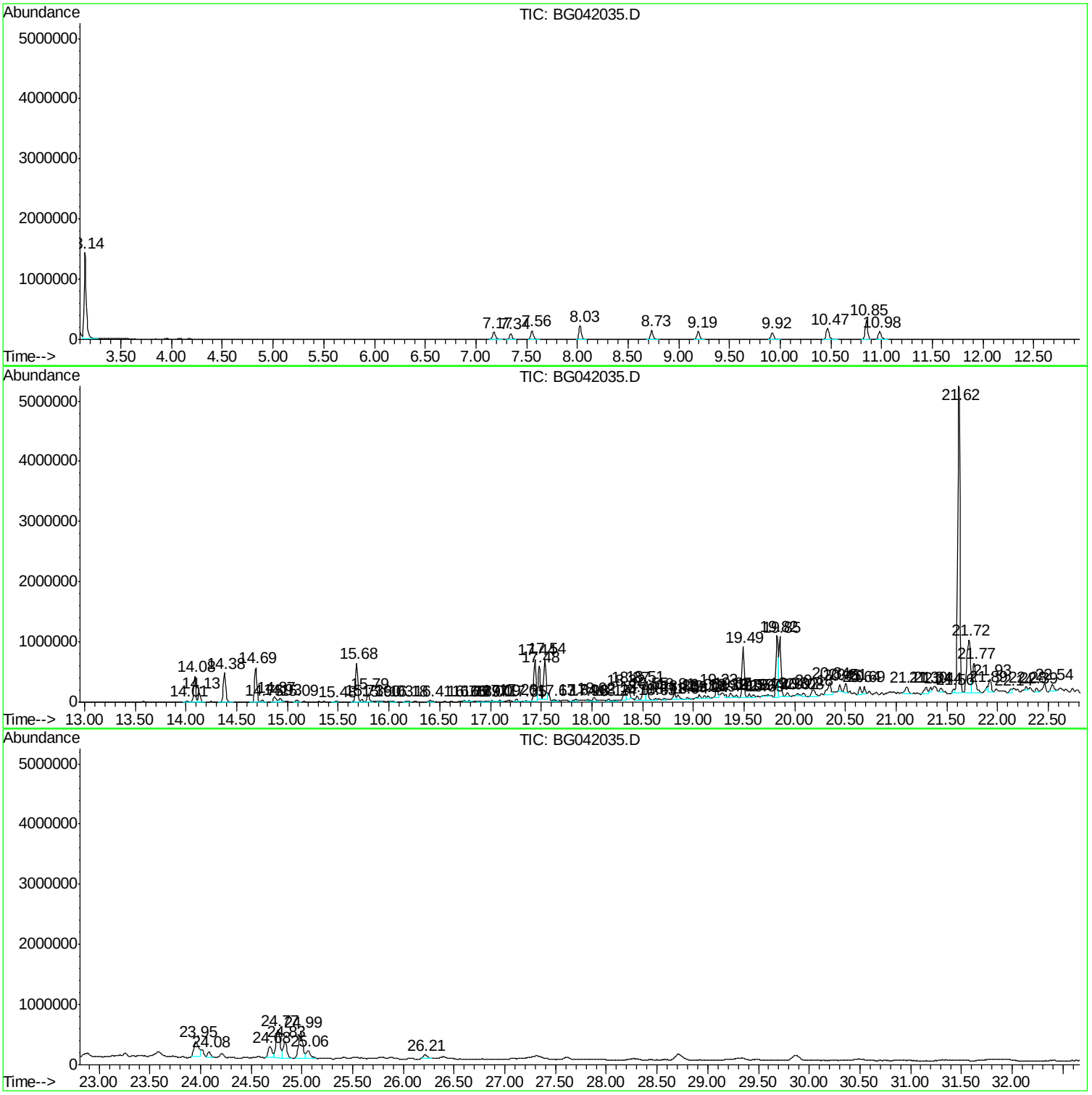
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

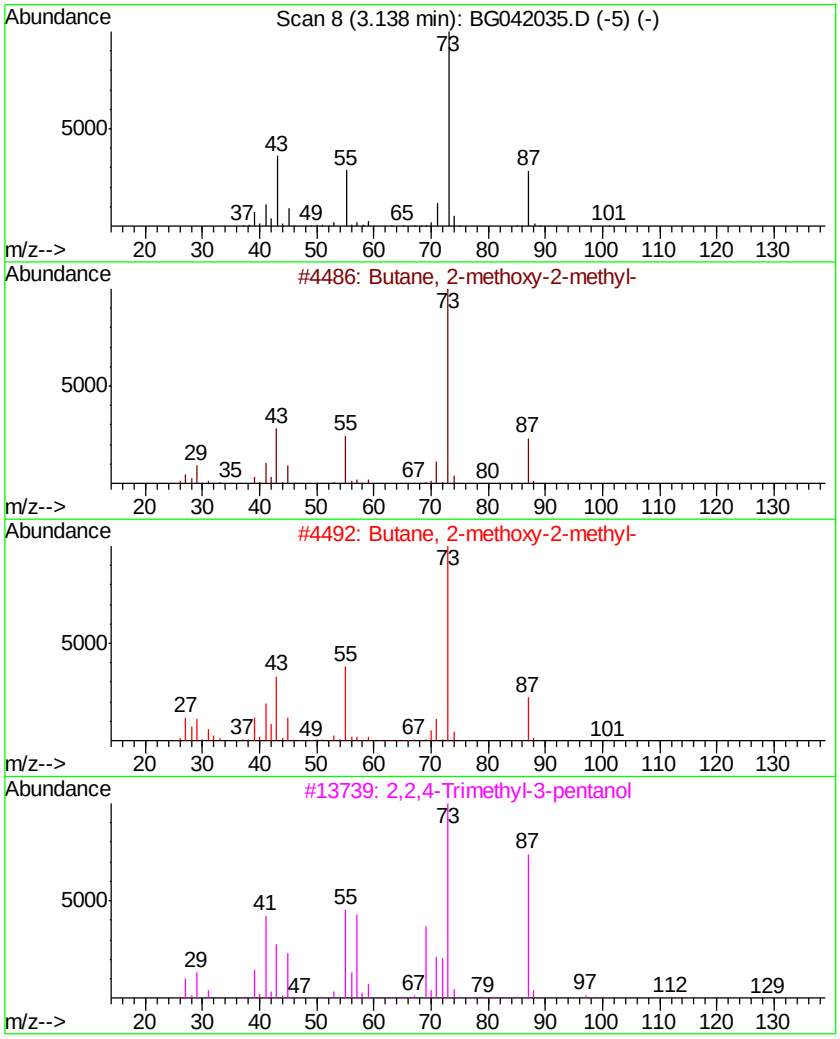
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

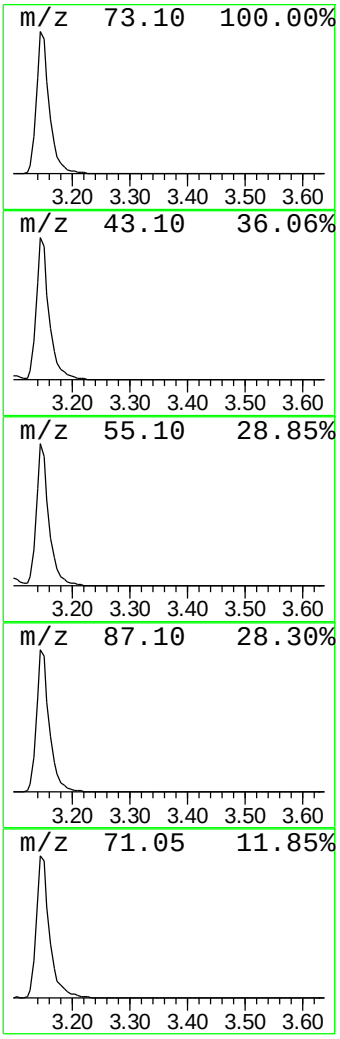
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	119.49 ng/ul	2291340	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	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

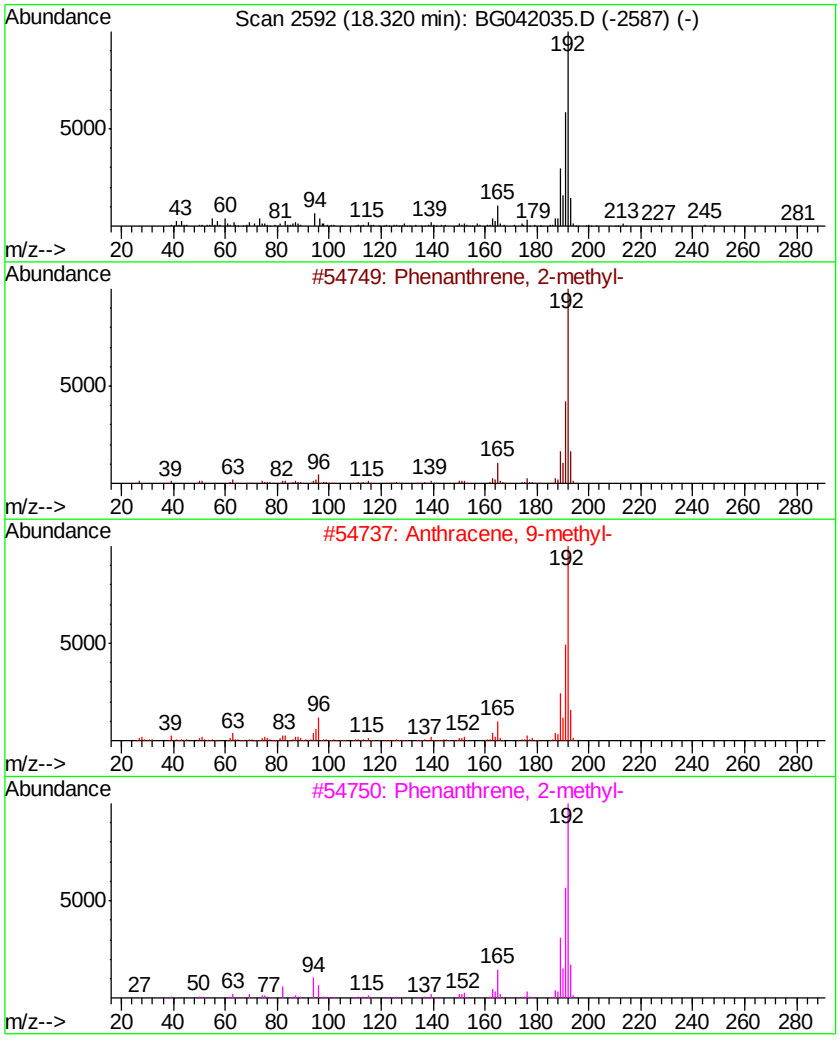
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

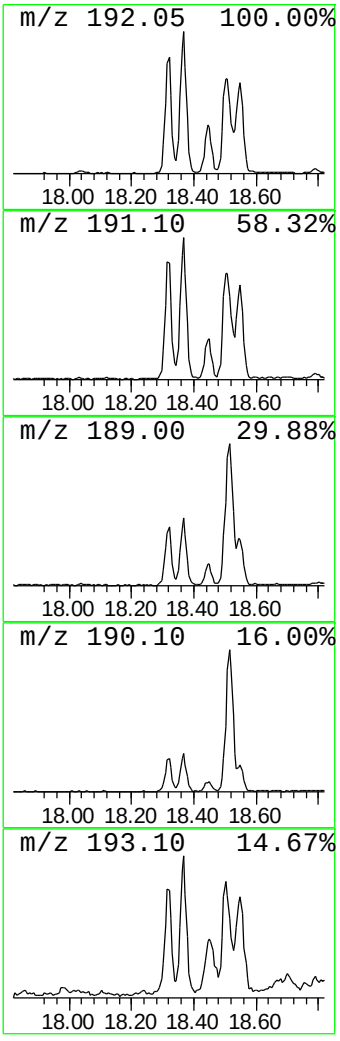
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.05 ng/ul	342085	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

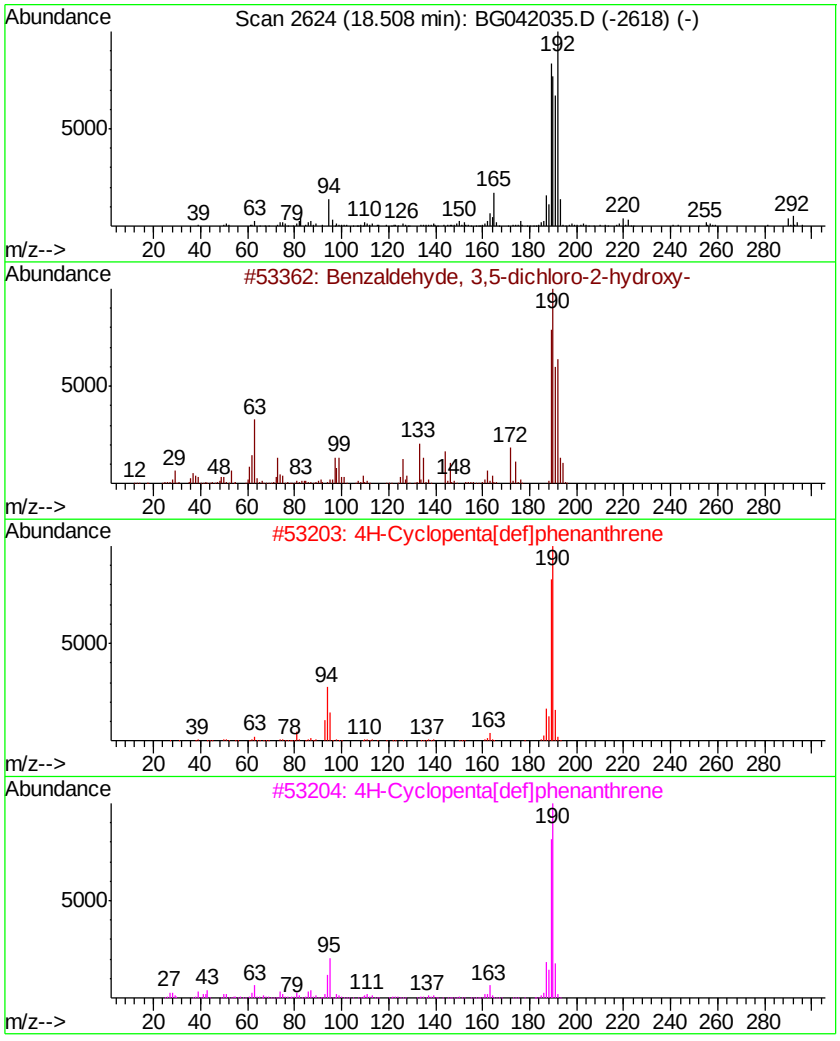
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

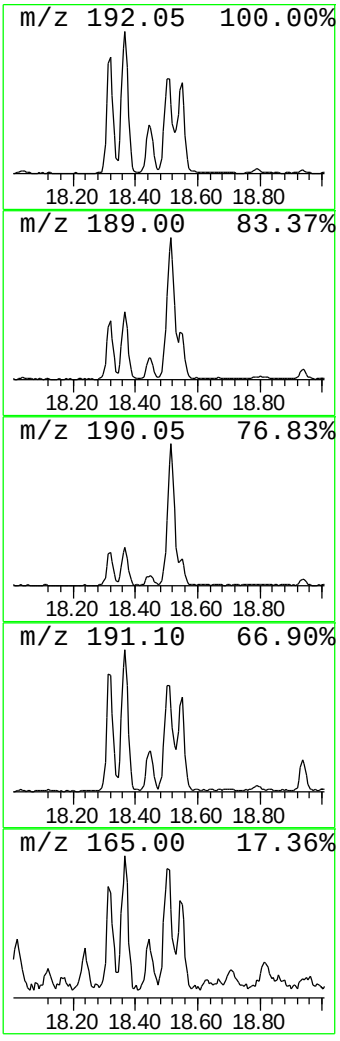
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	7.77 ng/ul	438913	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	42
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

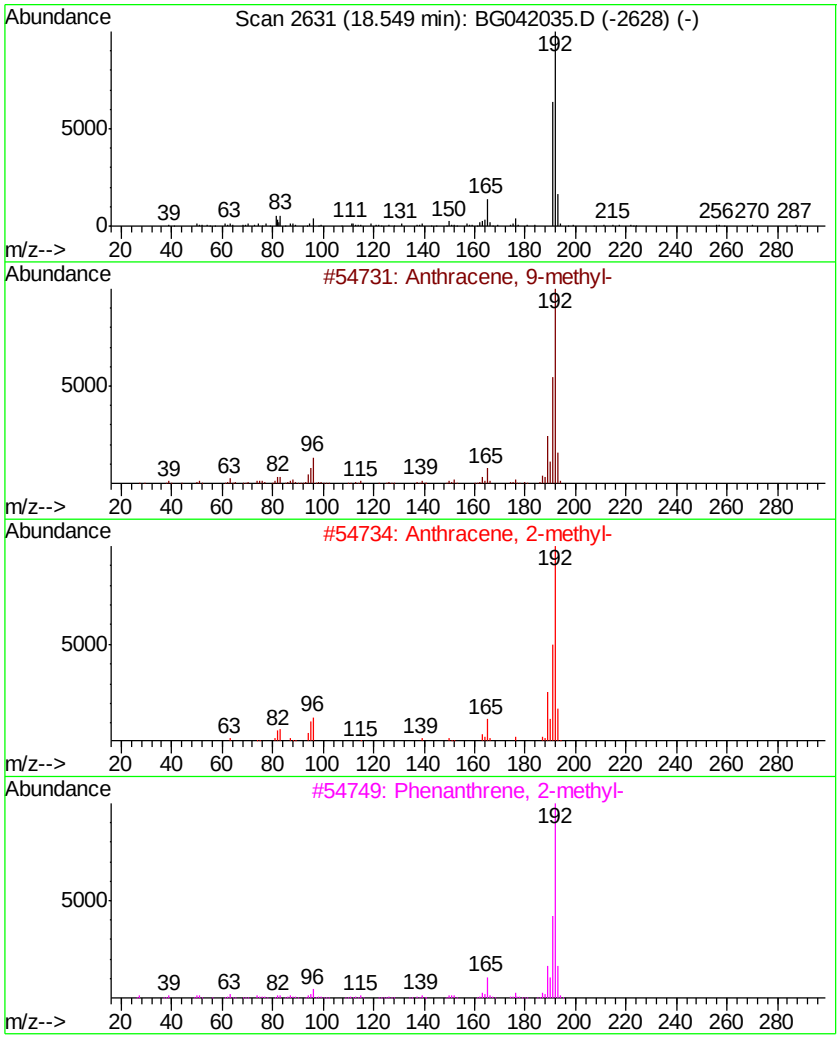
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

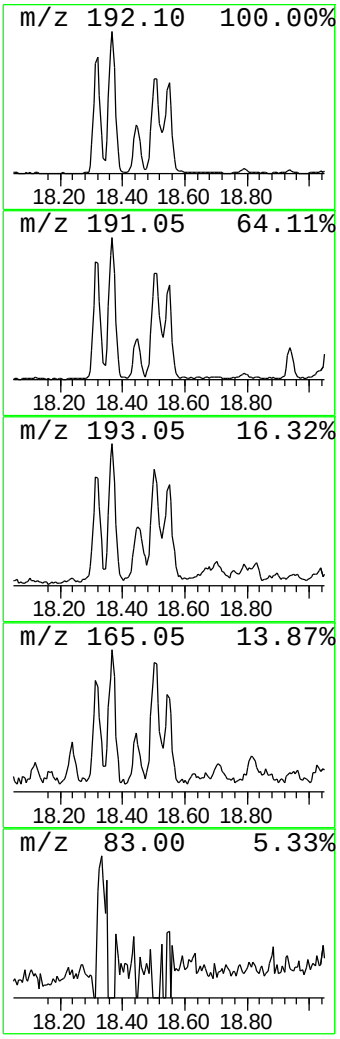
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	3.49 ng/ul	197237	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

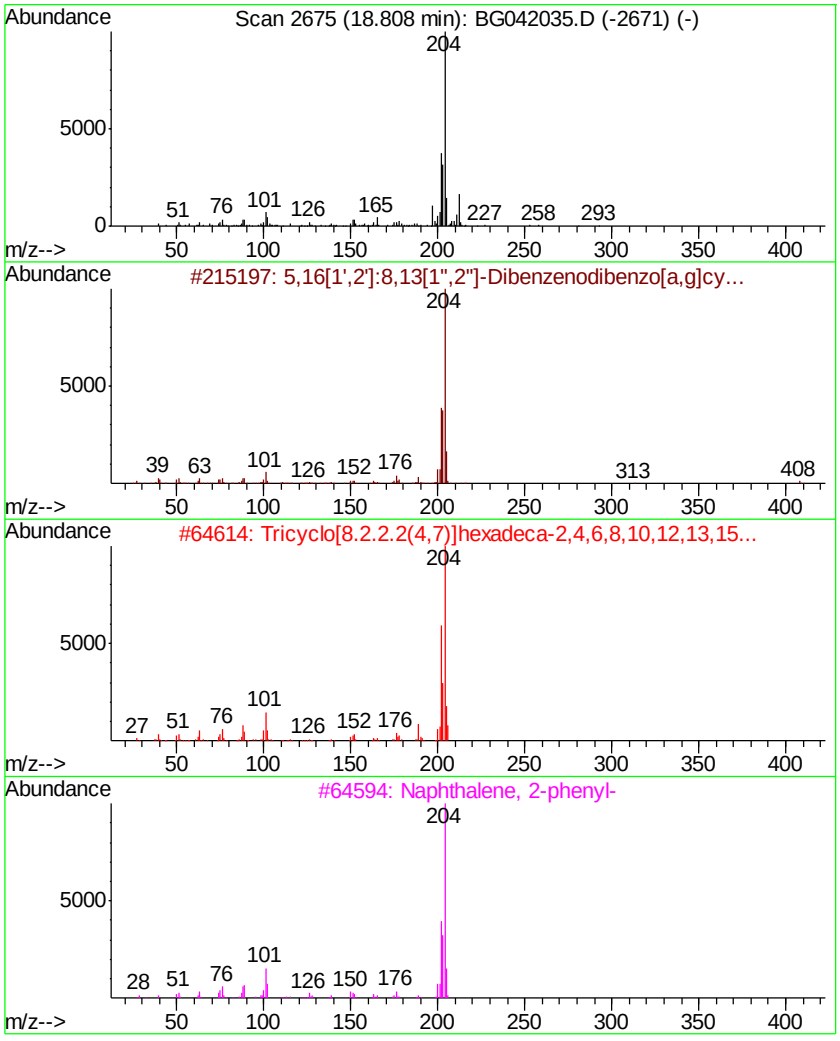
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

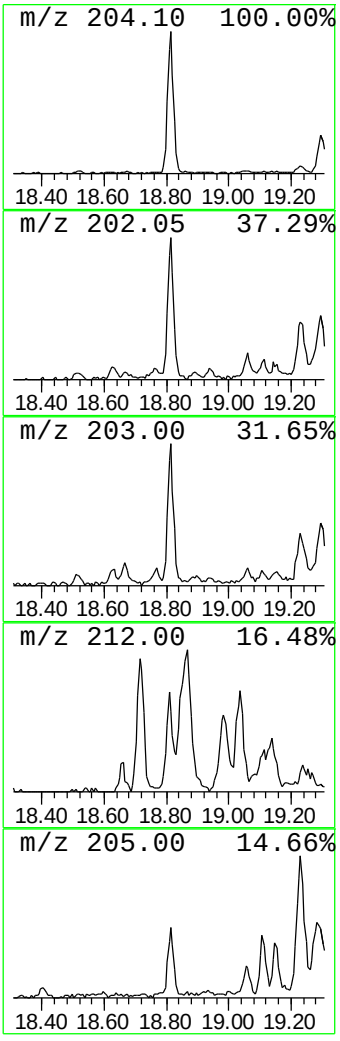
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.47 ng/ul	139348	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

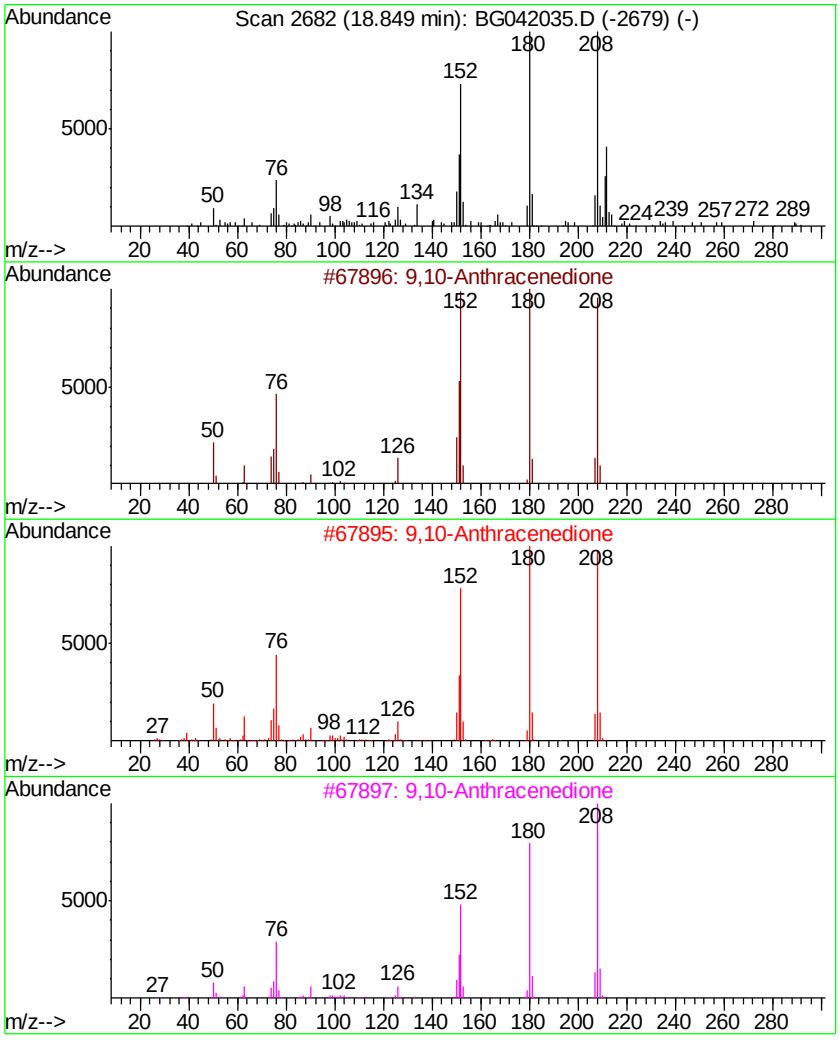
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

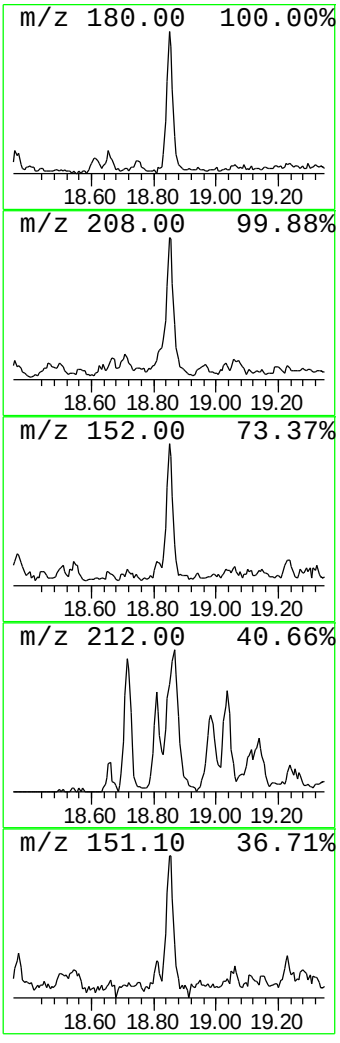
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.64 ng/ul	149099	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

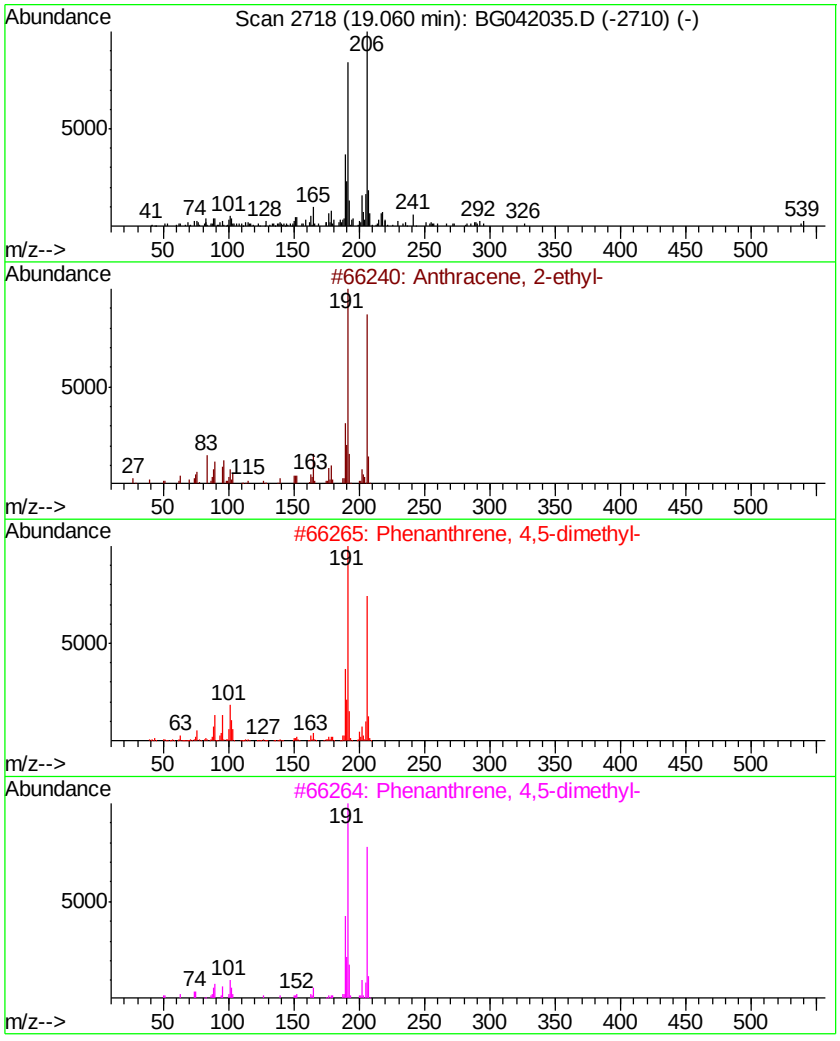
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

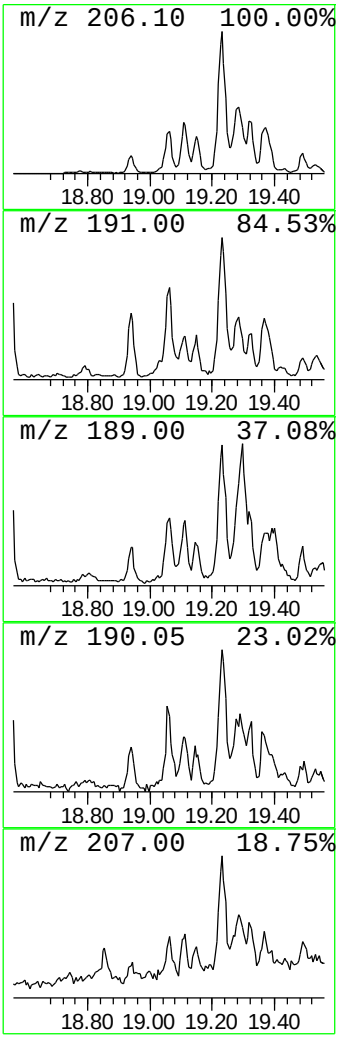
****

Peak Number 9 Anthracene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.30 ng/ul	130039	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	87
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

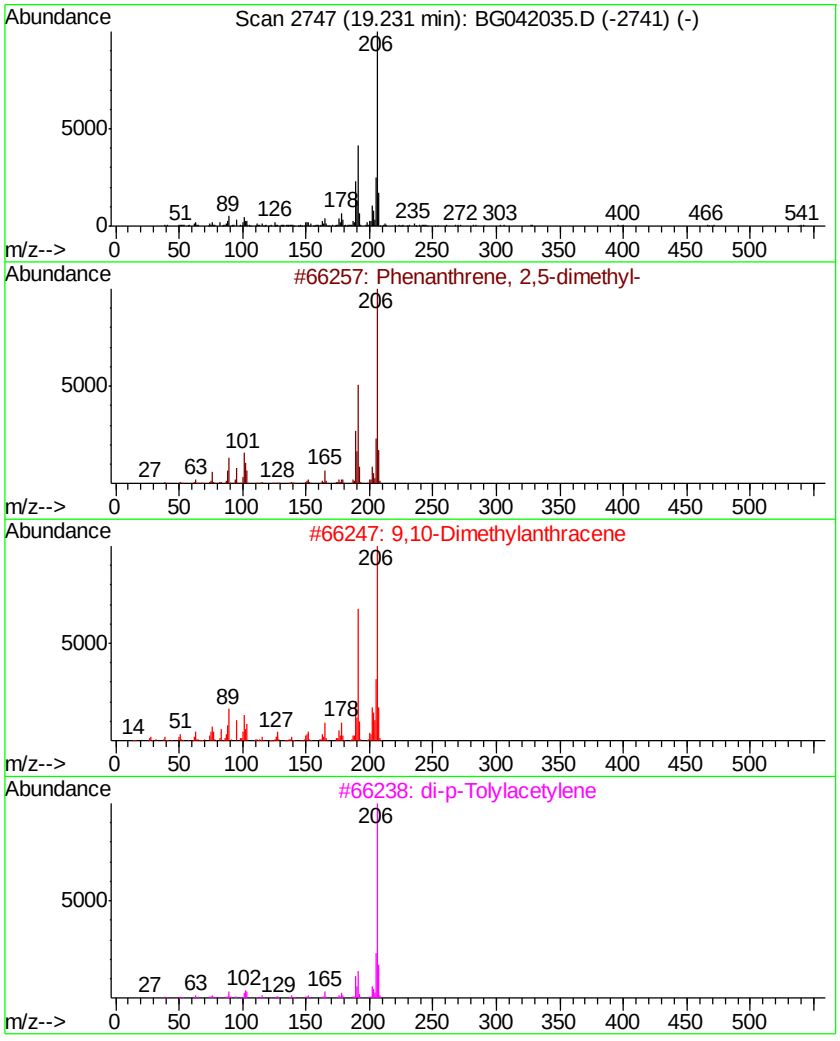
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

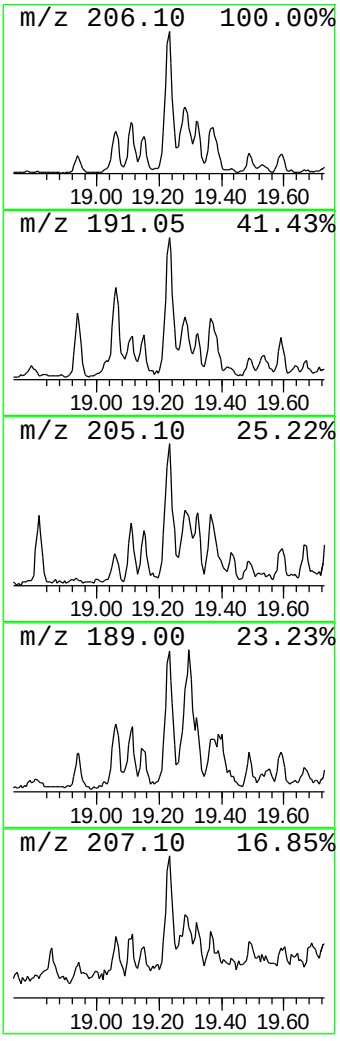
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.78 ng/ul	270154	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

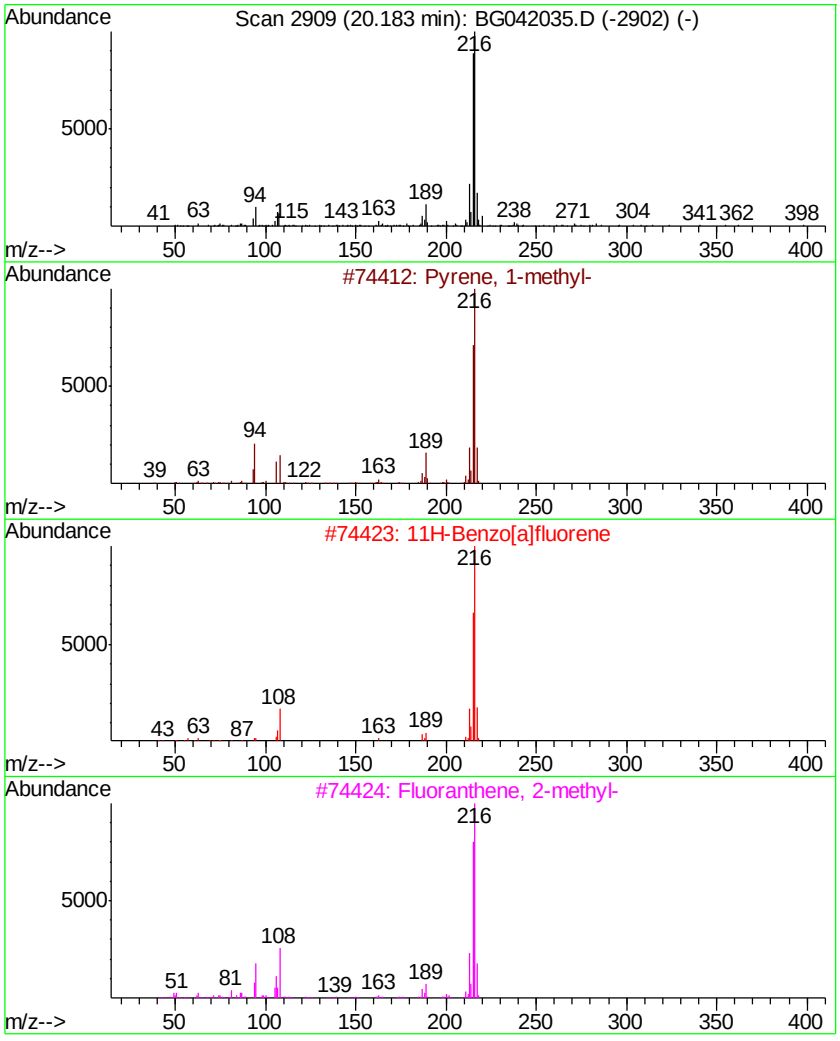
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

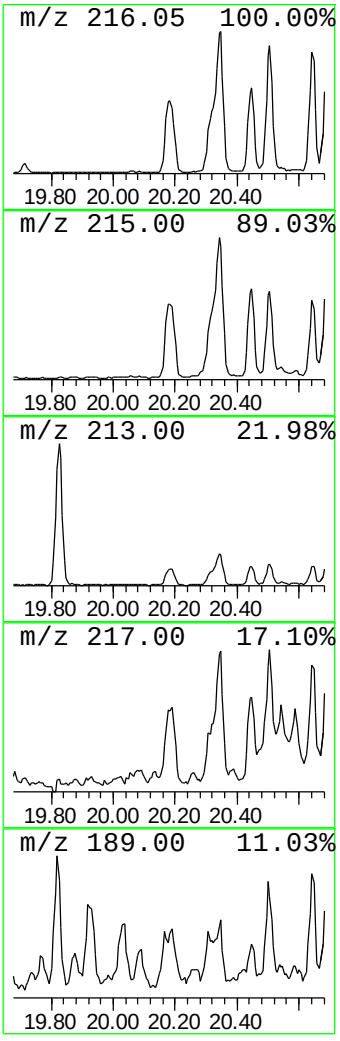
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	2.73 ng/ul	309889	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

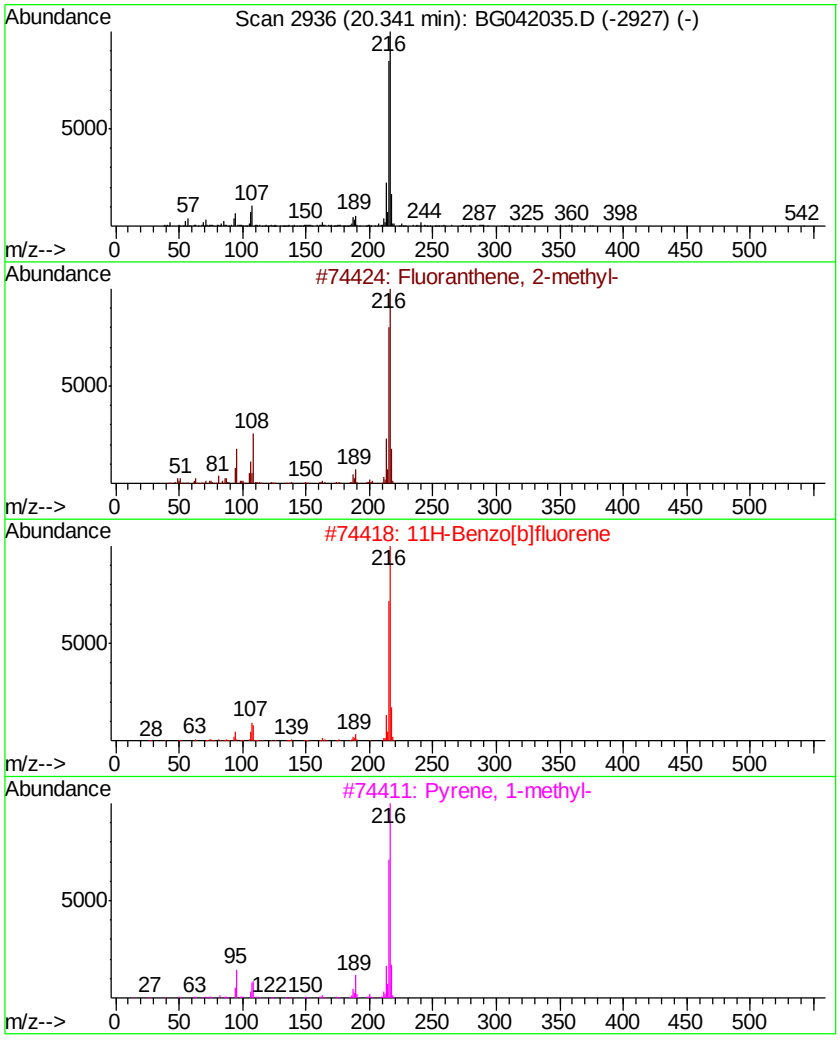
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

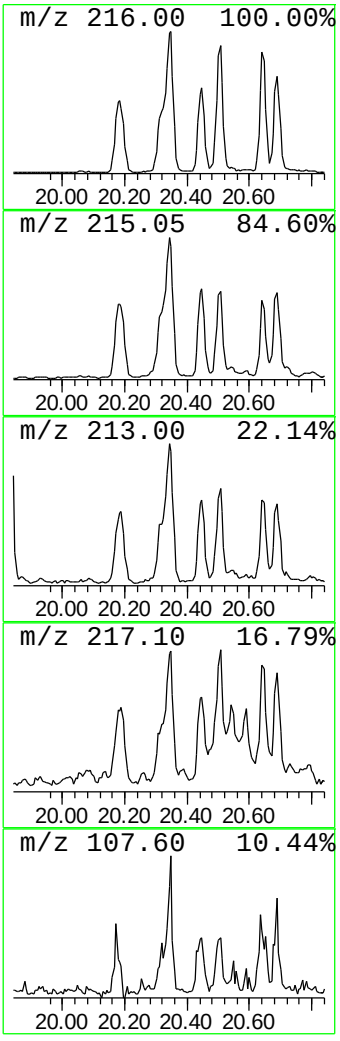
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	4.28 ng/ul	485439	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

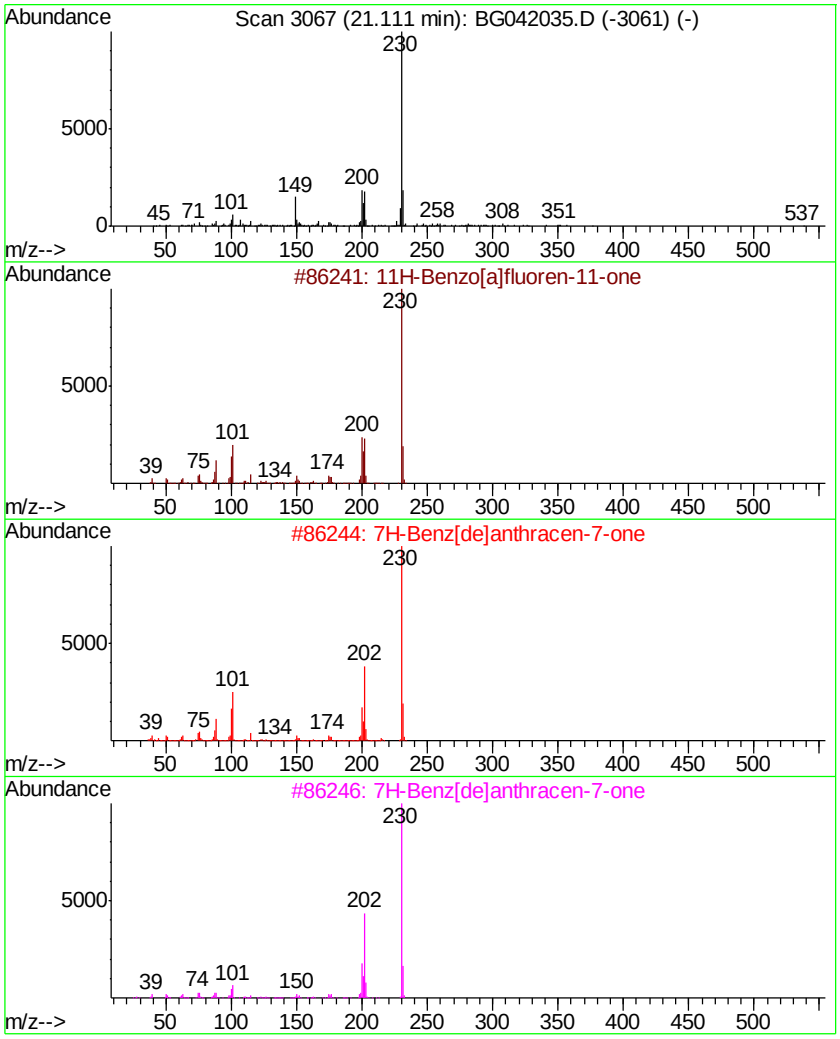
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

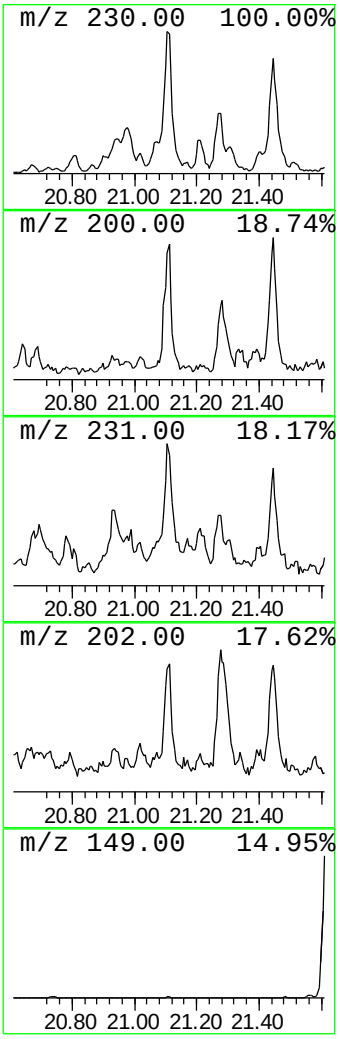
****

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.35 ng/ul	266349	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

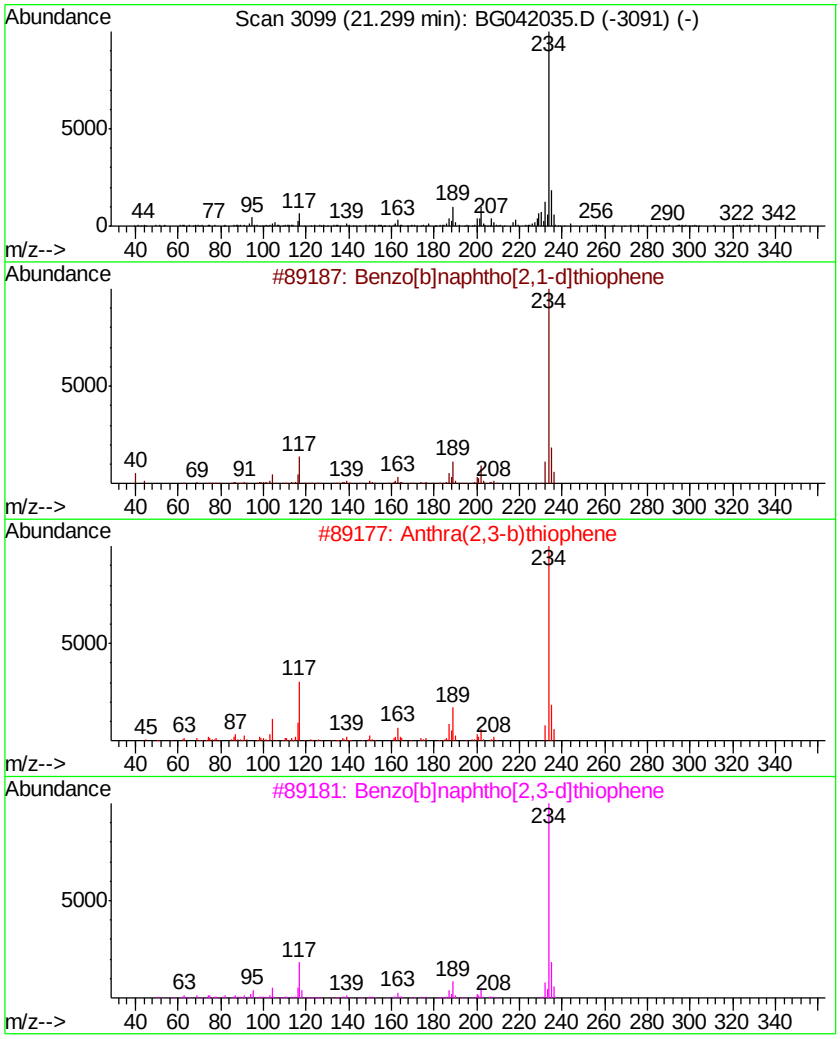
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

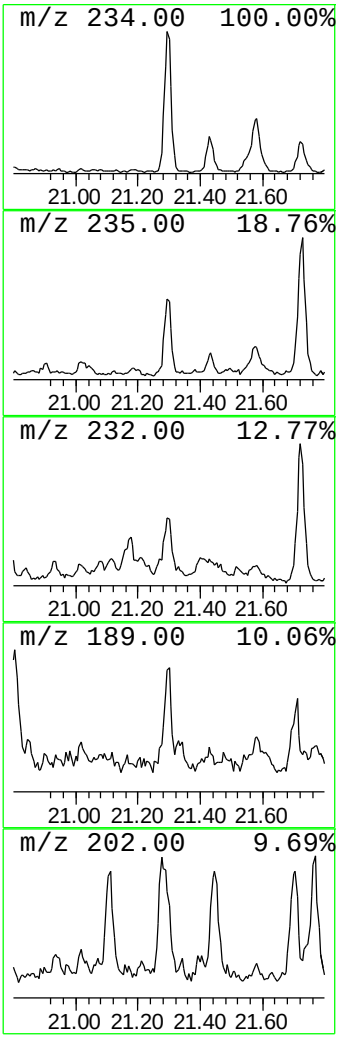
****

Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.06 ng/ul	233890	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

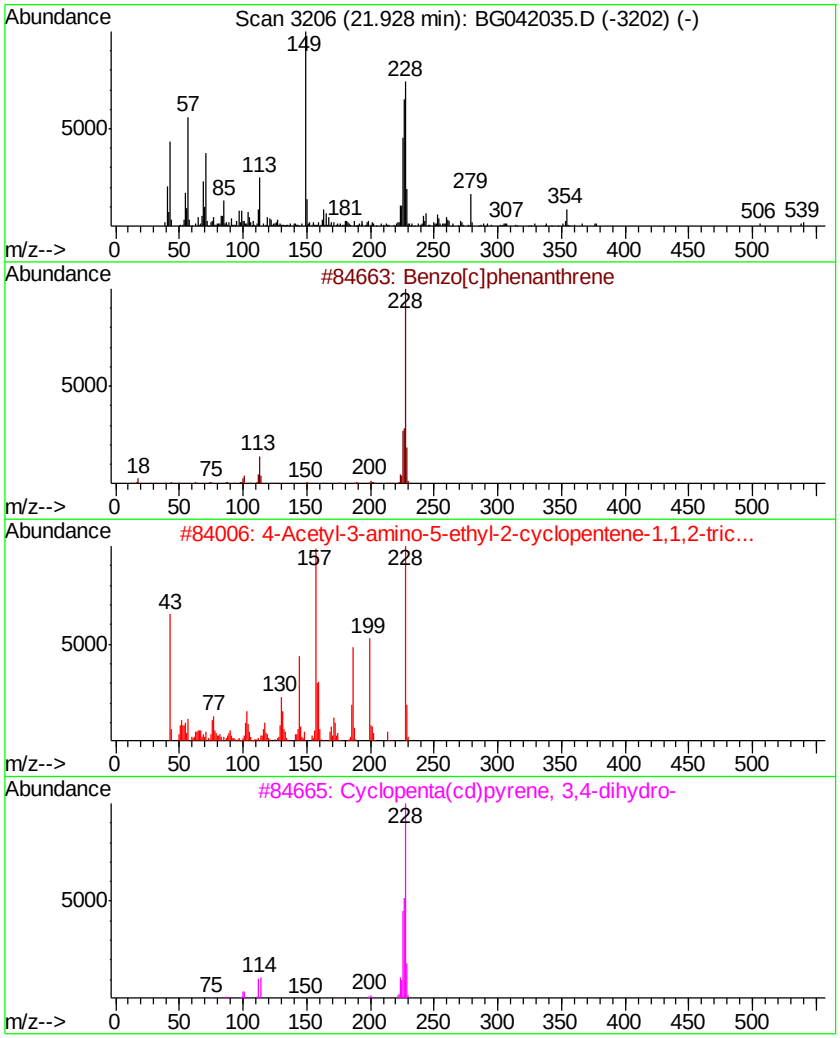
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

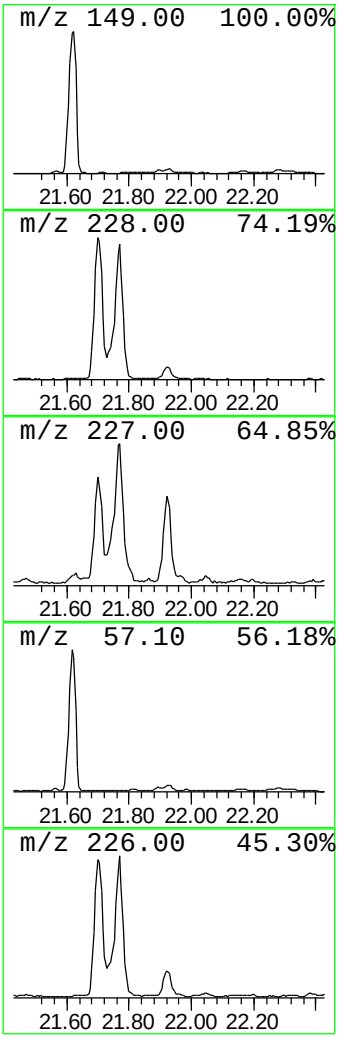
****

Peak Number 17 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	2.91 ng/ul	330674	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	27
2	4-Acetyl-3-amino-5-ethyl-2-cyclo...	228	C12H12N4O	1000327-01-3	25
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	25
4	2,1,3-Benzoselenadiazole-5-carbo...	228	C7H4N2O2Se	140669-75-6	25
5	2-Benzyl-3-chloromethyldecahydro...	277	C17H24ClN	1000191-23-8	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

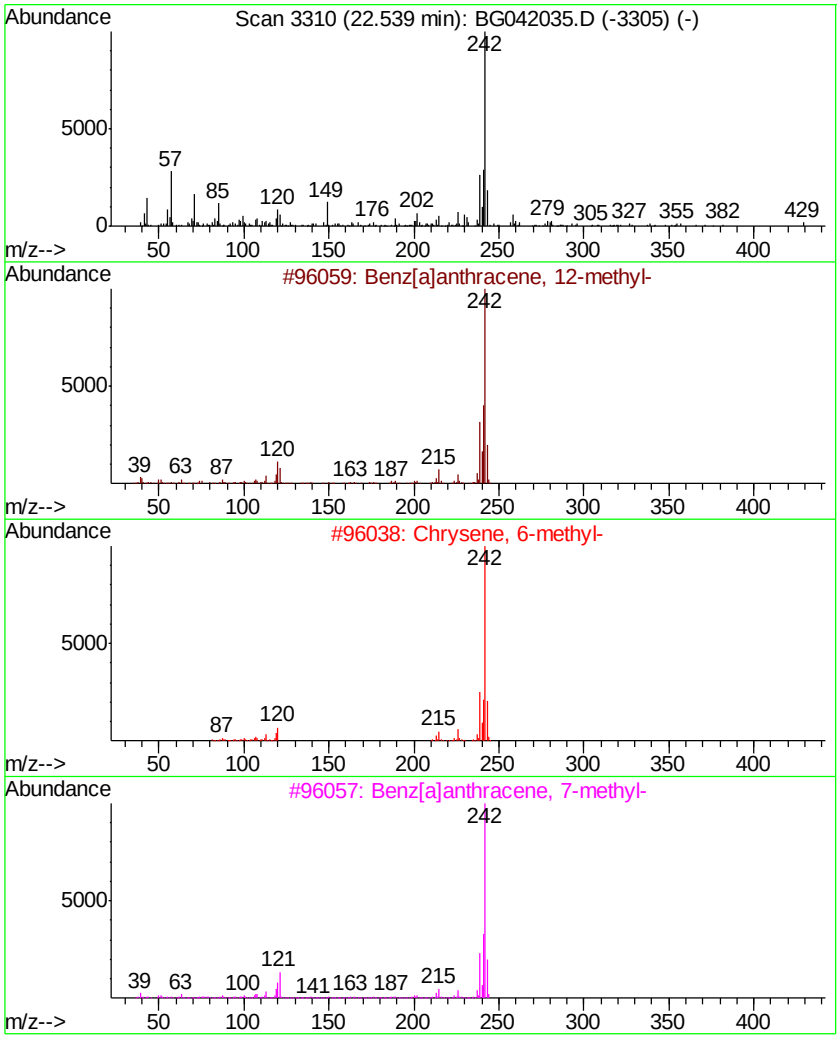
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

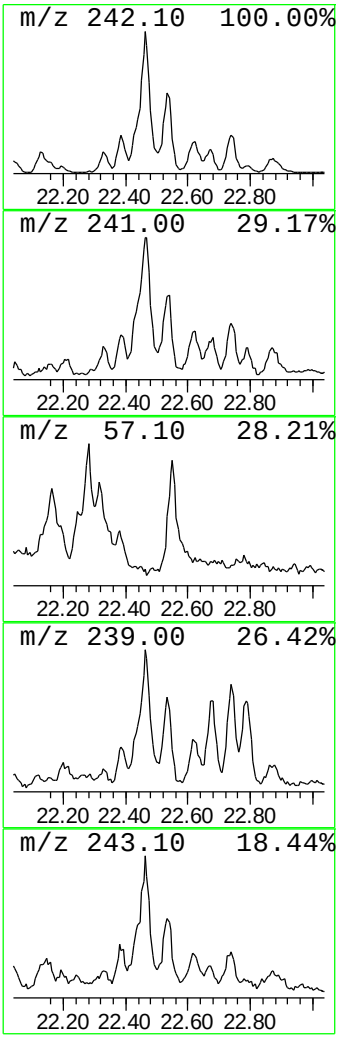
****

Peak Number 18 Benz[a]anthracene, 12-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	2.28 ng/ul	259252	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	91
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

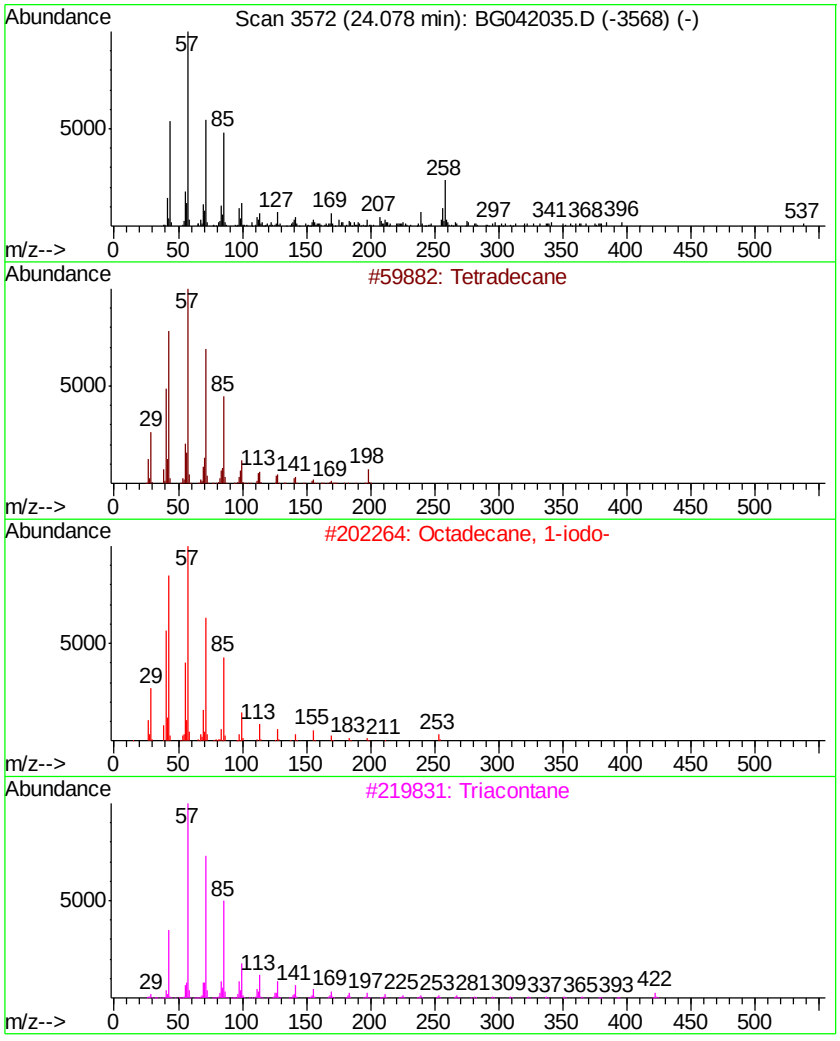
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

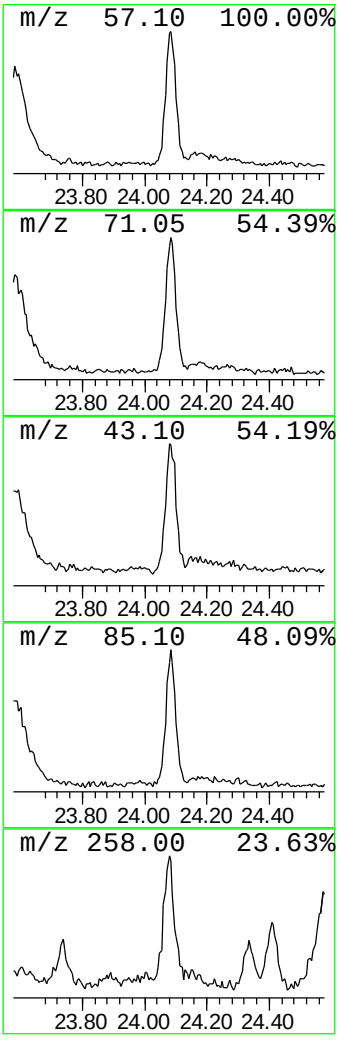
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	3.02 ng/ul	194166	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	64
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64
3	Triacontane	422	C30H62	000638-68-6	64
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

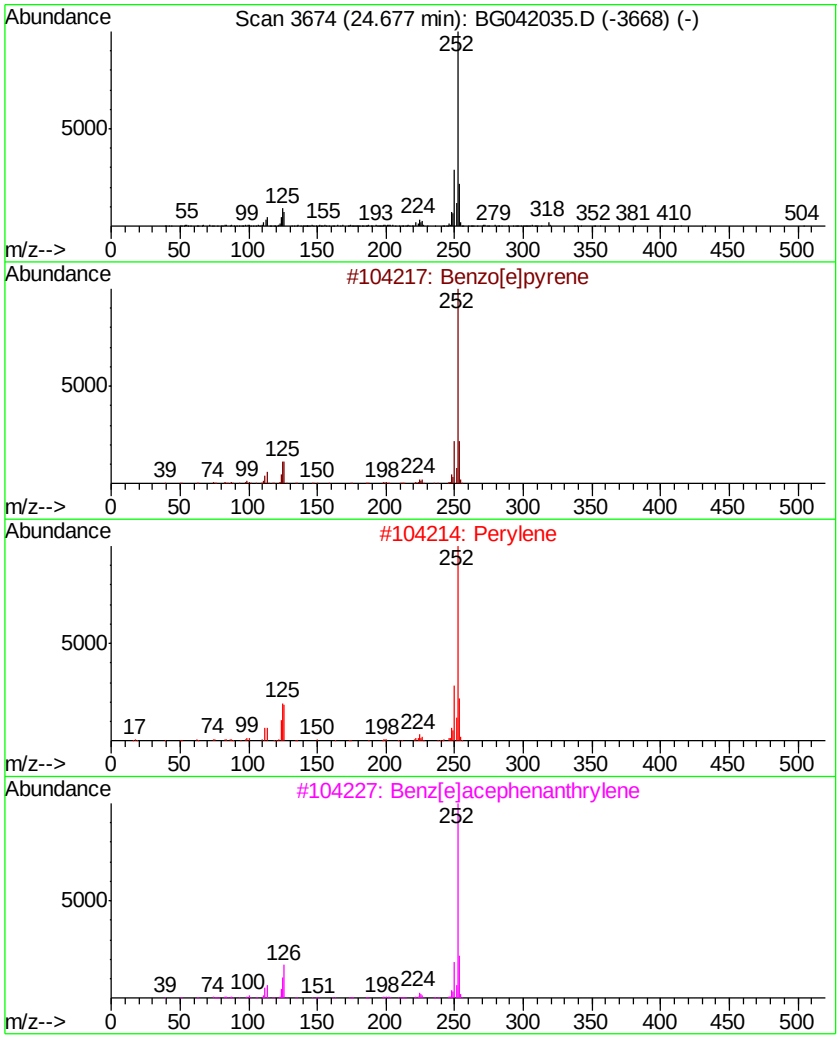
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

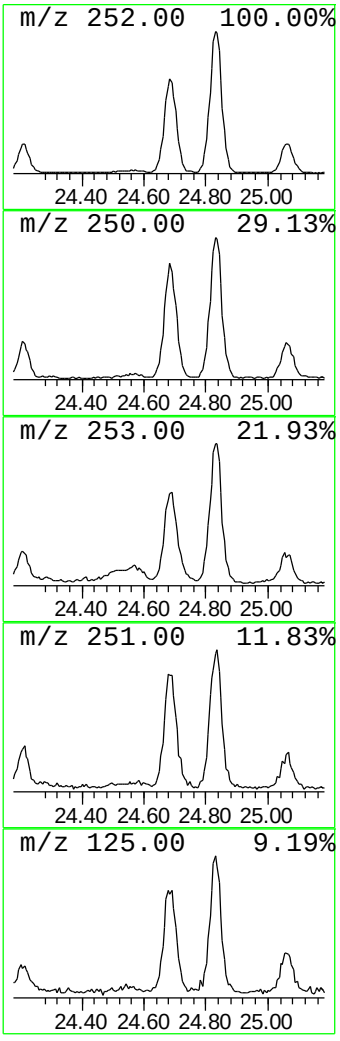
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.68	7.40 ng/ul	475681	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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

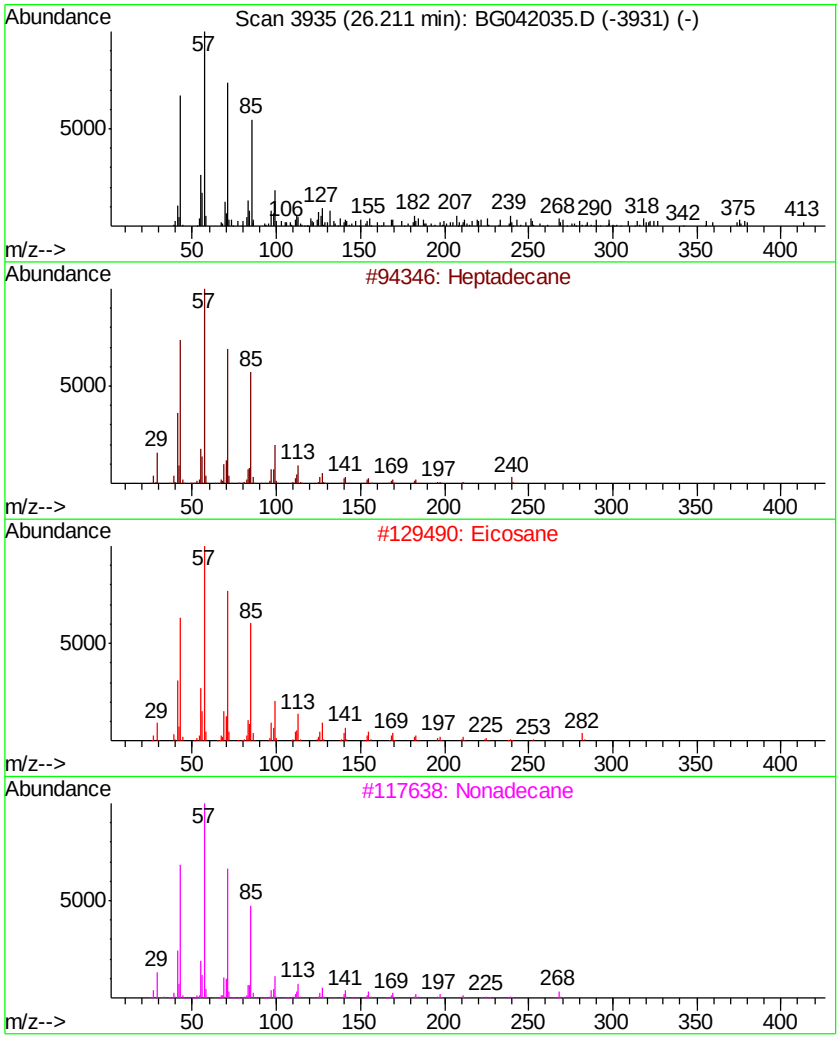
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

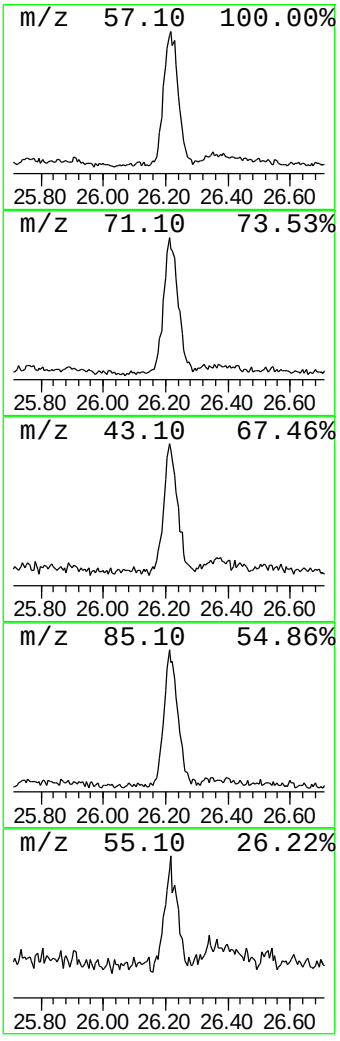
****

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	2.96 ng/ul	190317	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Eicosane	282	C20H42	000112-95-8	93
3	Nonadecane	268	C19H40	000629-92-5	81
4	Heptadecane	240	C17H36	000629-78-7	74
5	Heneicosane	296	C21H44	000629-94-7	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080719\
Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENR4

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...	3.14	119.5	ng/ul	2291340	1	8.03	383521	20.0
Phenanthrene, 2-m...	18.32	6.0	ng/ul	342085	4	17.44	1130200	20.0
Benzaldehyde, 3,5...	18.51	7.8	ng/ul	438913	4	17.44	1130200	20.0
Anthracene, 9-met...	18.55	3.5	ng/ul	197237	4	17.44	1130200	20.0
5,16[1',2']:8,13[...	18.81	2.5	ng/ul	139348	4	17.44	1130200	20.0
9,10-Anthracenedione	18.85	2.6	ng/ul	149099	4	17.44	1130200	20.0
Anthracene, 2-ethyl-	19.06	2.3	ng/ul	130039	4	17.44	1130200	20.0
Phenanthrene, 2,5...	19.23	4.8	ng/ul	270154	4	17.44	1130200	20.0
Pyrene, 1-methyl-	20.18	2.7	ng/ul	309889	5	21.72	2270180	20.0
Fluoranthene, 2-m...	20.34	4.3	ng/ul	485439	5	21.72	2270180	20.0
11H-Benzo[a]fluor...	21.11	2.4	ng/ul	266349	5	21.72	2270180	20.0
Benzo[b]naphtho[2...	21.30	2.1	ng/ul	233890	5	21.72	2270180	20.0
unknown-01	21.93	2.9	ng/ul	330674	5	21.72	2270180	20.0
Benz[a]anthracene...	22.54	2.3	ng/ul	259252	5	21.72	2270180	20.0
(DEL) Alkane: Str...	24.08	3.0	ng/ul	194166	6	24.98	1285110	20.0
Benzo[e]pyrene	24.68	7.4	ng/ul	475681	6	24.98	1285110	20.0
(DEL) Alkane: Str...	26.21	3.0	ng/ul	190317	6	24.98	1285110	20.0