LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042025.D
Acq On : 7 Aug 2019 11:08
Operator : HP/JU
Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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	3.146	5	10	29	rVB	1435569	2250800	100.00%	7.822%
2	3.410	51	55	62	rVB2	8650	14827	0.66%	0.052%
3	3.939	141	145	150	rBV4	7800	12216	0.54%	0.042%
4	4.074	163	168	177	rBV2	10413	19949	0.89%	0.069%
5	7.177	689	696	706	rBV	143217	273695	12.16%	0.951%
6	7.341	717	724	735	rBV	103925	185134	8.23%	0.643%
7	7.553	753	760	774	rVB	157773	280694	12.47%	0.975%
8	8.029	833	841	850	rBV	228648	400523	17.79%	1.392%
9	8.734	954	961	973	rBV	178322	335157	14.89%	1.165%
10	8.851	977	981	990	rVB4	4385	9060	0.40%	0.031%
11	9.192	1031	1039	1050	rBV	140110	257794	11.45%	0.896%
12	9.921	1156	1163	1174	rBV	124594	233884	10.39%	0.813%
13	10.467	1248	1256	1268	rBV	211602	400615	17.80%	1.392%
14	10.849	1312	1321	1328	rBV	339571	628800	27.94%	2.185%
15	10.978	1336	1343	1356	rBV	141792	294935	13.10%	1.025%
16	13.916	1838	1843	1849	rVV2	59028	94649	4.21%	0.329%
17	14.010	1854	1859	1864	rVV2	9620	15349	0.68%	0.053%
18	14.086	1864	1872	1876	rVV	448863	664720	29.53%	2.310%
19	14.133	1876	1880	1885	rVV	219221	321167	14.27%	1.116%
20	14.380	1915	1922	1935	rVB	524337	853714	37.93%	2.967%
21	14.686	1965	1974	1981	rBV	648326	996122	44.26%	3.462%
22	14.750	1981	1985	1992	rVB	13473	24361	1.08%	0.085%
23	14.827	1992	1998	2001	rBV	21954	34490	1.53%	0.120%
24	14.874	2001	2006	2010	rBV	101422	181363	8.06%	0.630%
25	14.932	2010	2016	2032	rVB	1283484	2114851	93.96%	7.350%
26	15.091	2039	2043	2051	rVB4	27987	46071	2.05%	0.160%
27	15.161	2051	2055	2060	rVB3	8344	13157	0.58%	0.046%
28	15.308	2073	2080	2085	rVV3	6996	12967	0.58%	0.045%
29	15.361	2085	2089	2094	rVB4	6896	10084	0.45%	0.035%
30	15.485	2102	2110	2111	rBV3	12208	17964	0.80%	0.062%
31	15.520	2111	2116	2125	rVV4	36782	76785	3.41%	0.267%
32	15.643	2127	2137	2138	rVV	68554	95969	4.26%	0.334%
33	15.678	2138	2143	2149	rVV	704239	1091522	48.49%	3.793%
34	15.731	2149	2152	2157	rVV2	26302	39574	1.76%	0.138%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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	15.790	2157	2162	2171	rVV	144952	247085	10.98%	0.859%
36	15.855	2171	2173	2178	rVV4	9607	16133	0.72%	0.056%
37	15.919	2178	2184	2186	rVV6	9983	20432	0.91%	0.071%
38	15.943	2186	2188	2193	rVV4	7459	11865	0.53%	0.041%
39	16.002	2193	2198	2199	rVV4	5290	9106	0.40%	0.032%
40	16.025	2199	2202	2212	rVB4	12164	26454	1.18%	0.092%
41	16.184	2221	2229	2236	rVB5	10619	22692	1.01%	0.079%
42	16.313	2246	2251	2256	rVV2	37757	62952	2.80%	0.219%
43	16.407	2260	2267	2275	rVV8	16788	43081	1.91%	0.150%
44	16.548	2287	2291	2296	rBV5	7921	13519	0.60%	0.047%
45	16.742	2321	2324	2329	rVB4	12928	18716	0.83%	0.065%
46	16.795	2329	2333	2339	rVB2	10228	16944	0.75%	0.059%
47	16.895	2346	2350	2356	rVB5	10040	16362	0.73%	0.057%
48	17.012	2367	2370	2377	rVB5	12756	20194	0.90%	0.070%
49	17.089	2379	2383	2392	rVB2	14068	27565	1.22%	0.096%
50	17.165	2392	2396	2399	rBV4	13846	23090	1.03%	0.080%
51	17.259	2408	2412	2418	rVB	16901	28947	1.29%	0.101%
52	17.347	2420	2427	2432	rBV9	7545	18706	0.83%	0.065%
53	17.435	2434	2442	2447	rBV	771471	1255230	55.77%	4.362%
54	17.482	2447	2450	2454	rVV	284030	392748	17.45%	1.365%
55	17.535	2454	2459	2470	rVB	749673	1243257	55.24%	4.321%
56	17.629	2470	2475	2480	rVB4	16526	29957	1.33%	0.104%
57	17.753	2493	2496	2501	rVB7	9533	13709	0.61%	0.048%
58	17.841	2505	2511	2515	rBV3	17877	41036	1.82%	0.143%
59	17.946	2524	2529	2530	rBV5	11083	17530	0.78%	0.061%
60	18.017	2537	2541	2545	rBV	24555	37764	1.68%	0.131%
61	18.164	2563	2566	2573	rBV2	10892	16900	0.75%	0.059%
62	18.317	2587	2592	2597	rBV	116049	235555	10.47%	0.819%
63	18.364	2597	2600	2609	rVV2	145070	225071	10.00%	0.782%
64	18.446	2610	2614	2618	rVV	51547	71476	3.18%	0.248%
65	18.510	2619	2625	2629	rVV2	139121	277396	12.32%	0.964%
66	18.546	2629	2631	2637	rVB	90687	118783	5.28%	0.413%
67	18.628	2641	2645	2648	rBV3	27047	41253	1.83%	0.143%
68	18.710	2656	2659	2663	rBV3	15186	24986	1.11%	0.087%
69	18.810	2672	2676	2680	rBV	64801	89526	3.98%	0.311%
70	18.851	2680	2683	2691	rVB2	39048	60361	2.68%	0.210%
71	18.933	2695	2697	2705	rVV2	13975	20617	0.92%	0.072%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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	19.033	2711	2714	2715	rBV3	16099	18538	0.82%	0.064%
73	19.057	2715	2718	2721	rVB	42553	48979	2.18%	0.170%
74	19.110	2723	2727	2730	rBV	45753	57583	2.56%	0.200%
75	19.145	2730	2733	2738	rVB2	36044	46403	2.06%	0.161%
76	19.227	2742	2747	2751	rBV	108032	192968	8.57%	0.671%
77	19.368	2767	2771	2779	rBV3	55153	111709	4.96%	0.388%
78	19.492	2787	2792	2797	rVB	590347	792109	35.19%	2.753%
79	19.550	2799	2802	2805	rBV2	42337	52231	2.32%	0.182%
80	19.592	2807	2809	2813	rVB3	26927	28959	1.29%	0.101%
81	19.827	2843	2849	2852	rBV	1086101	1751878	77.83%	6.088%
82	19.926	2862	2866	2872	rVB3	56601	98851	4.39%	0.344%
83	20.173	2903	2908	2916	rBV2	91015	236351	10.50%	0.821%
84	20.308	2928	2931	2933	rBV3	49651	71239	3.17%	0.248%
85	20.344	2933	2937	2942	rVB	151447	245776	10.92%	0.854%
86	20.443	2950	2954	2959	rVB	93443	119831	5.32%	0.416%
87	20.502	2960	2964	2968	rVB2	120533	169229	7.52%	0.588%
88	20.643	2984	2988	2991	rBV	99268	132388	5.88%	0.460%
89	20.690	2992	2996	3000	rVB	102591	131695	5.85%	0.458%
90	21.337	3103	3106	3109	rBV	60382	82798	3.68%	0.288%
91	21.372	3109	3112	3120	rVB4	86964	204751	9.10%	0.712%
92	21.718	3163	3171	3176	rBV2	918967	2052131	91.17%	7.132%
93	21.765	3176	3179	3192	rVB	362121	652109	28.97%	2.266%
94	21.924	3203	3206	3211	rVB3	76564	113433	5.04%	0.394%
95	23.951	3544	3551	3559	rBV2	178878	623425	27.70%	2.167%
96	24.086	3569	3574	3580	rVB2	76035	147726	6.56%	0.513%
97	24.686	3671	3676	3681	rBV	92631	203630	9.05%	0.708%
98	24.762	3681	3689	3696	rVV	465348	1331012	59.14%	4.626%
99	24.832	3697	3701	3711	rVB	203369	497636	22.11%	1.729%
100	24.991	3718	3728	3736	rBV2	478233	1400032	62.20%	4.865%

Sum of corrected areas: 28775360

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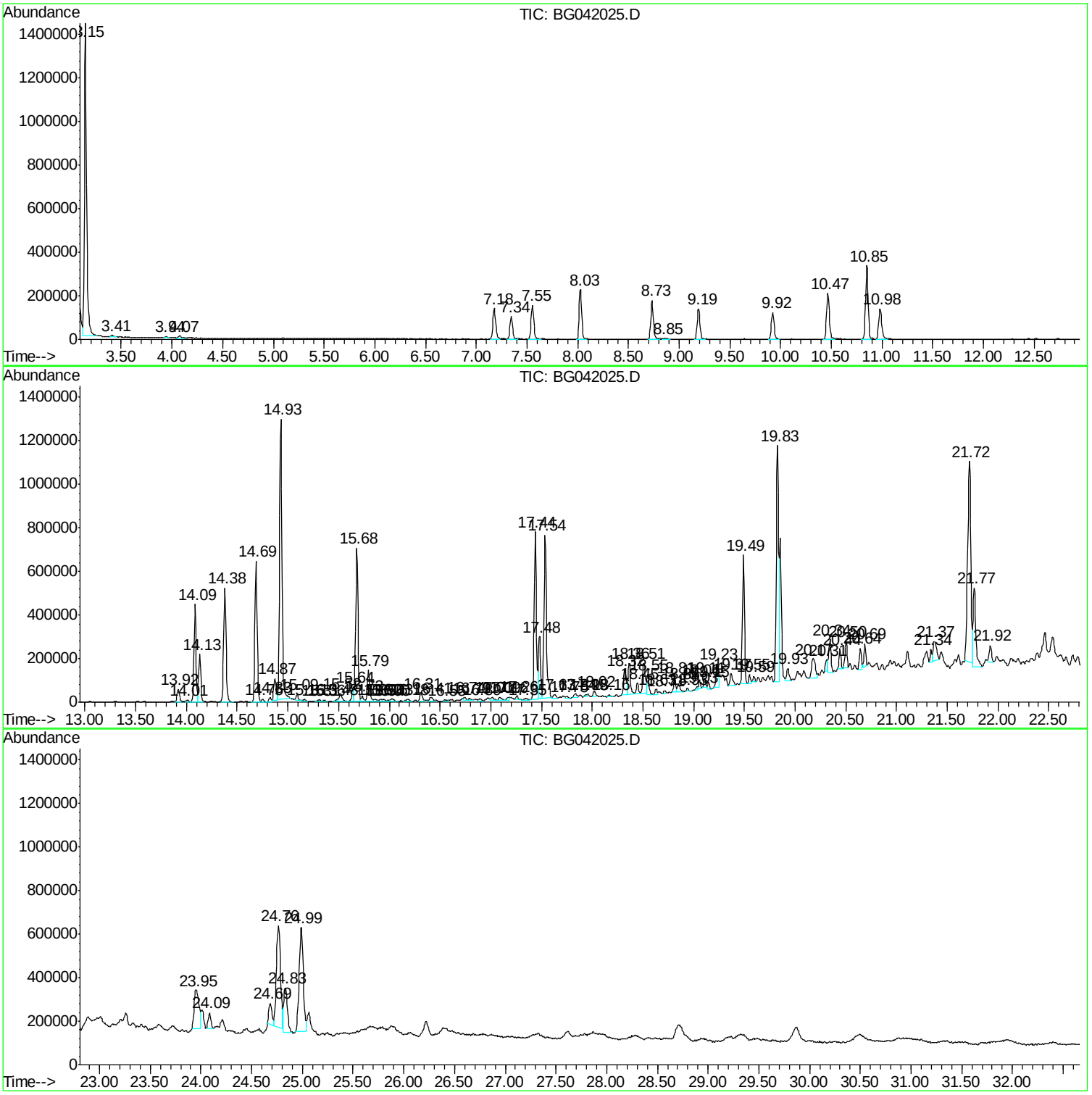
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENQ7

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

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

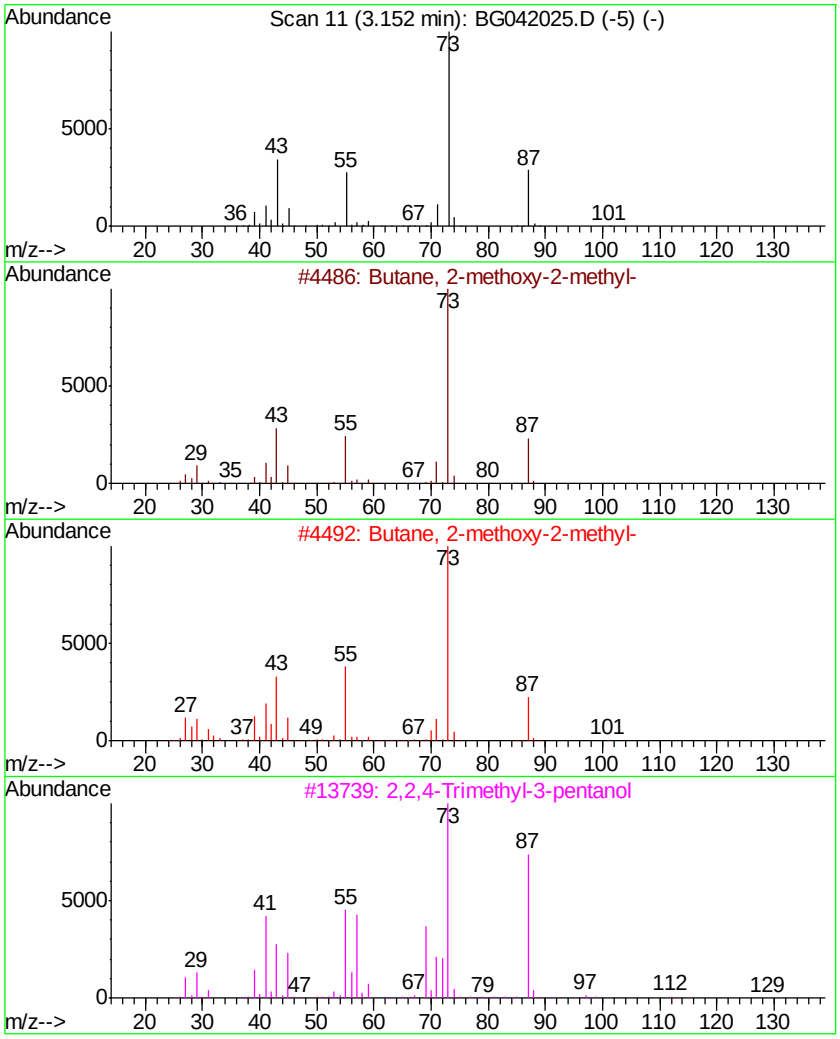
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

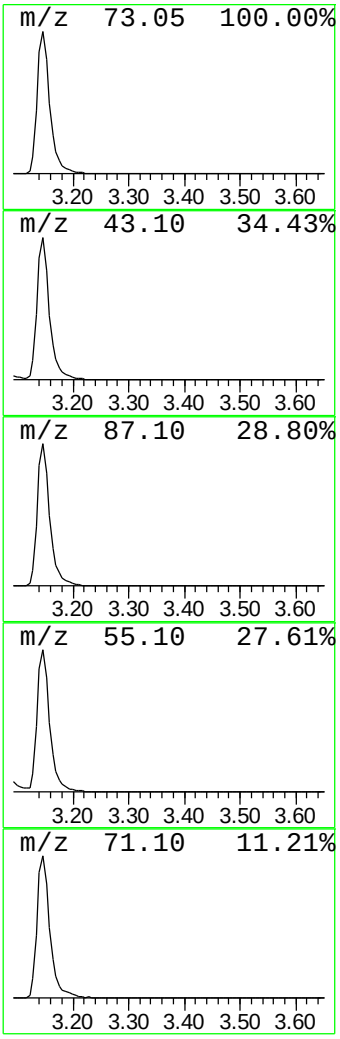
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	112.39 ng/ul	2250800	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	59
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





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BENQ7

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

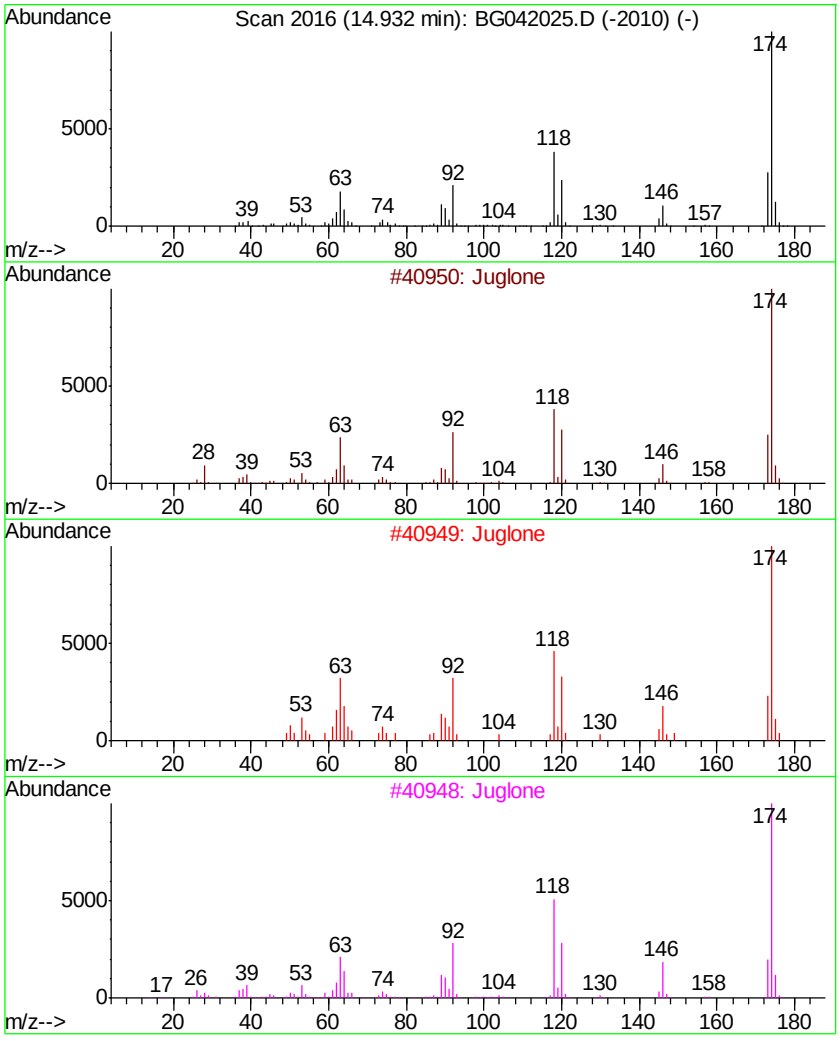
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

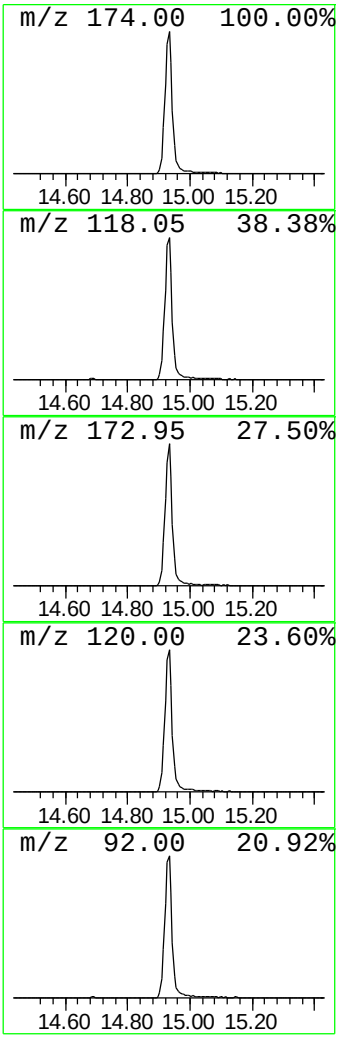
****

Peak Number 2 Juglone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	42.46 ng/ul	2114850	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Juglone	174	C10H6O3	000481-39-0	96
2	Juglone	174	C10H6O3	000481-39-0	93
3	Juglone	174	C10H6O3	000481-39-0	87
4	Benzene, 1,3-diisocyanato-2-methyl-	174	C9H6N2O2	000091-08-7	40
5	Benzene, 1-(diethylboryl)-2-(dim...	203	C13H22BN	1000162-42-1	37





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

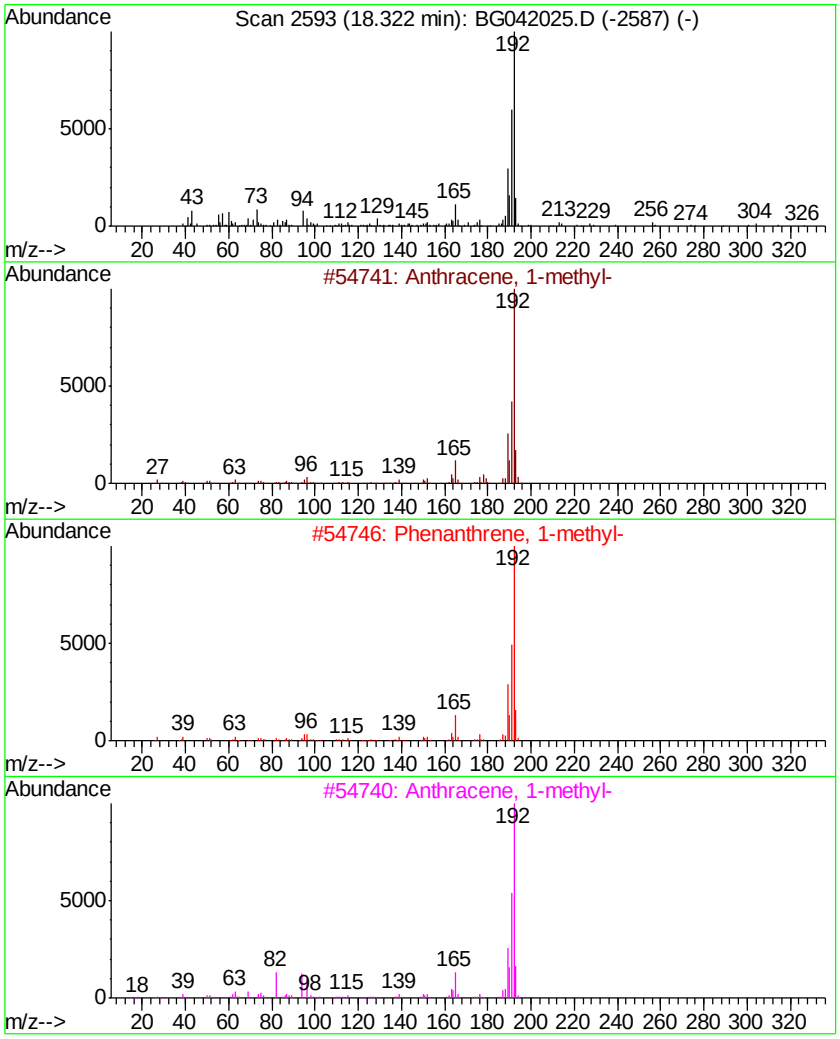
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

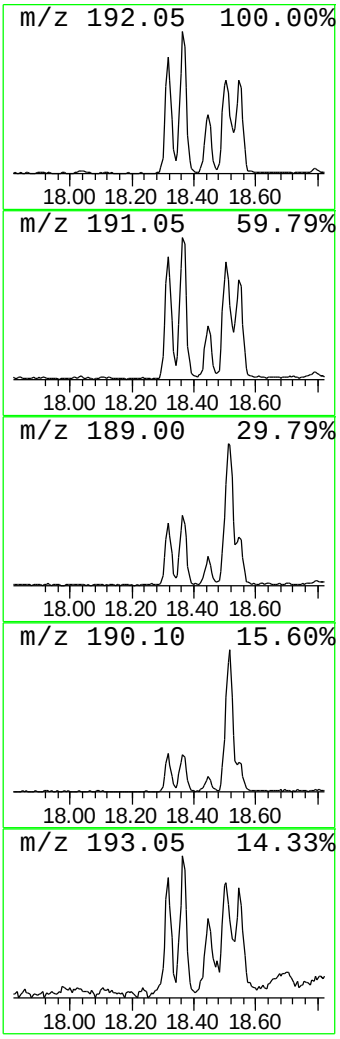
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.75 ng/ul	235555	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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

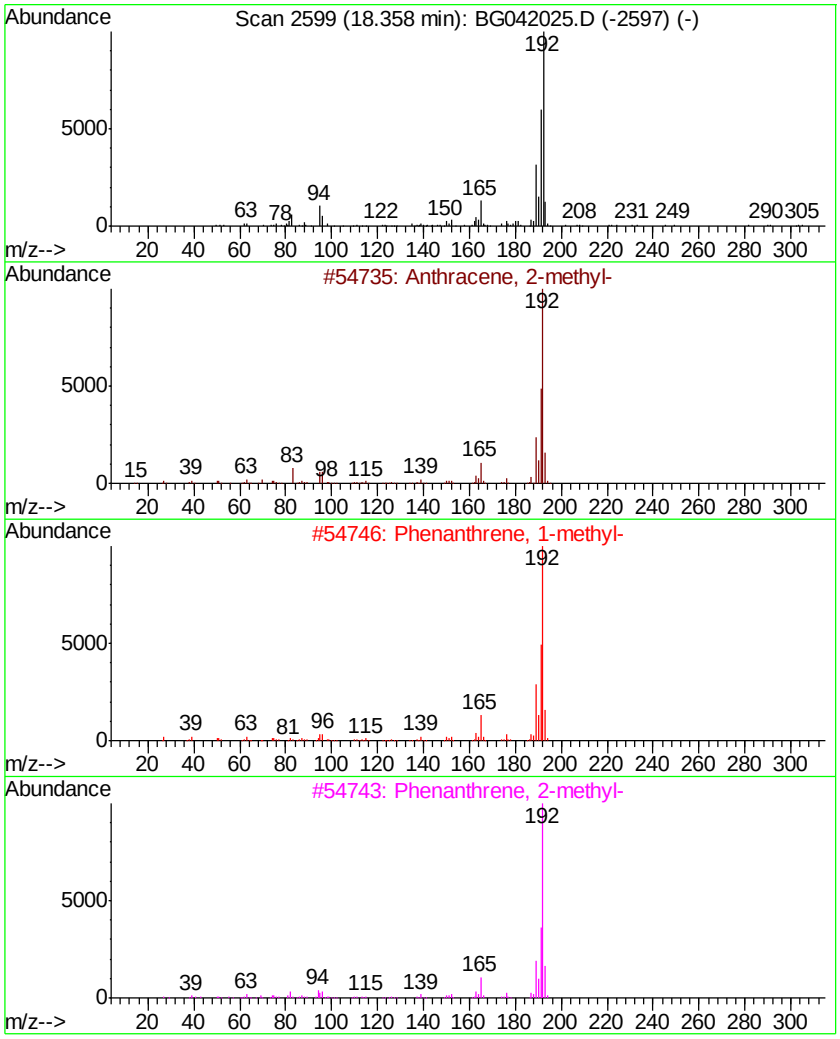
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

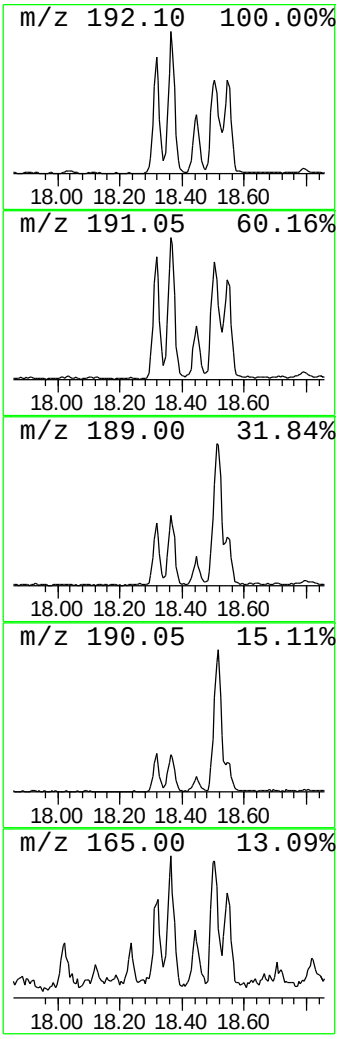
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	3.59 ng/ul	225071	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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

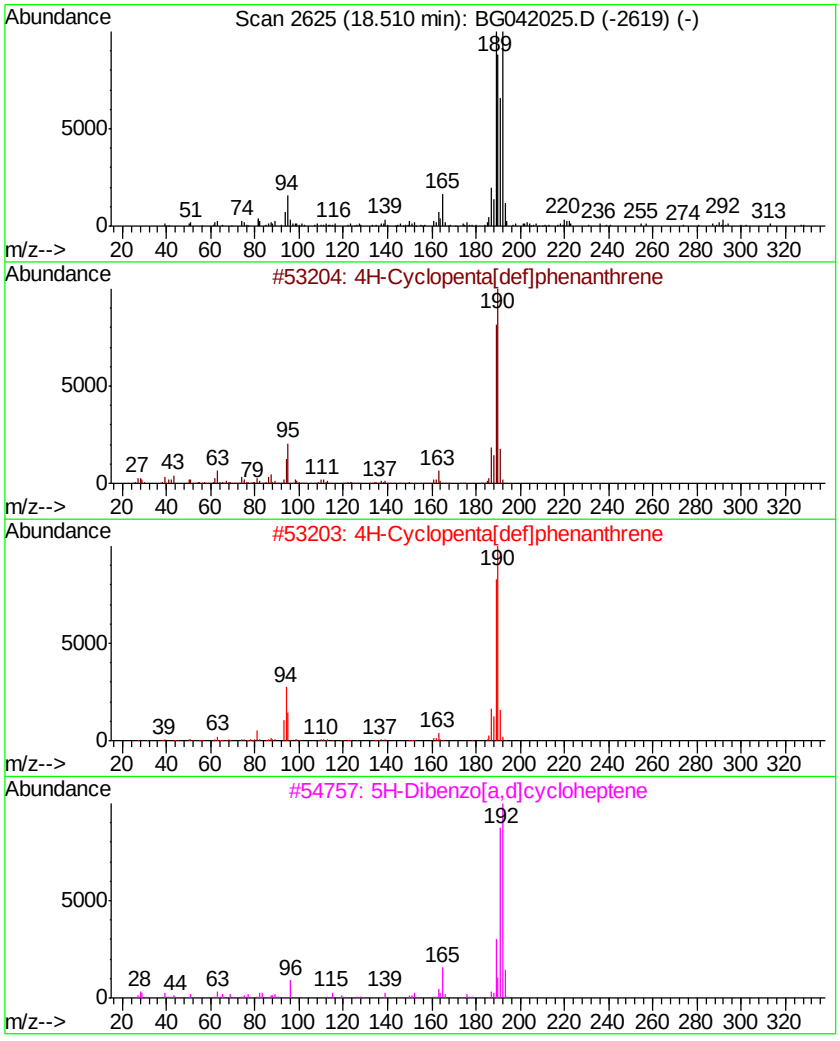
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

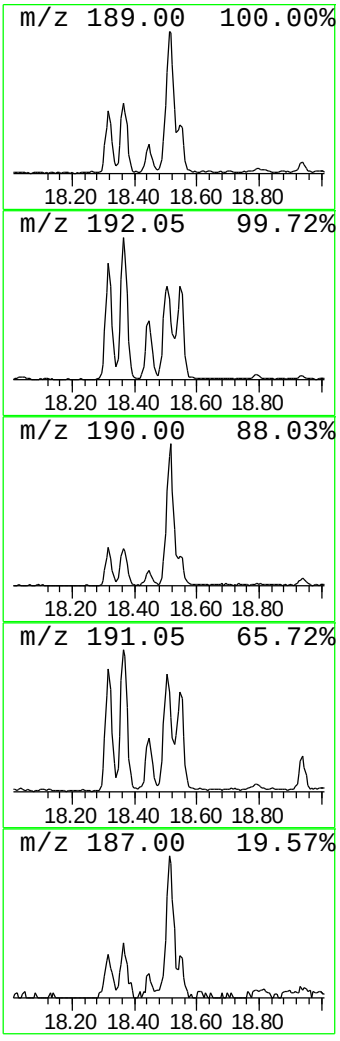
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	4.42 ng/ul	277396	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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Acq On : 7 Aug 2019 11:08
Operator : HP/JU
Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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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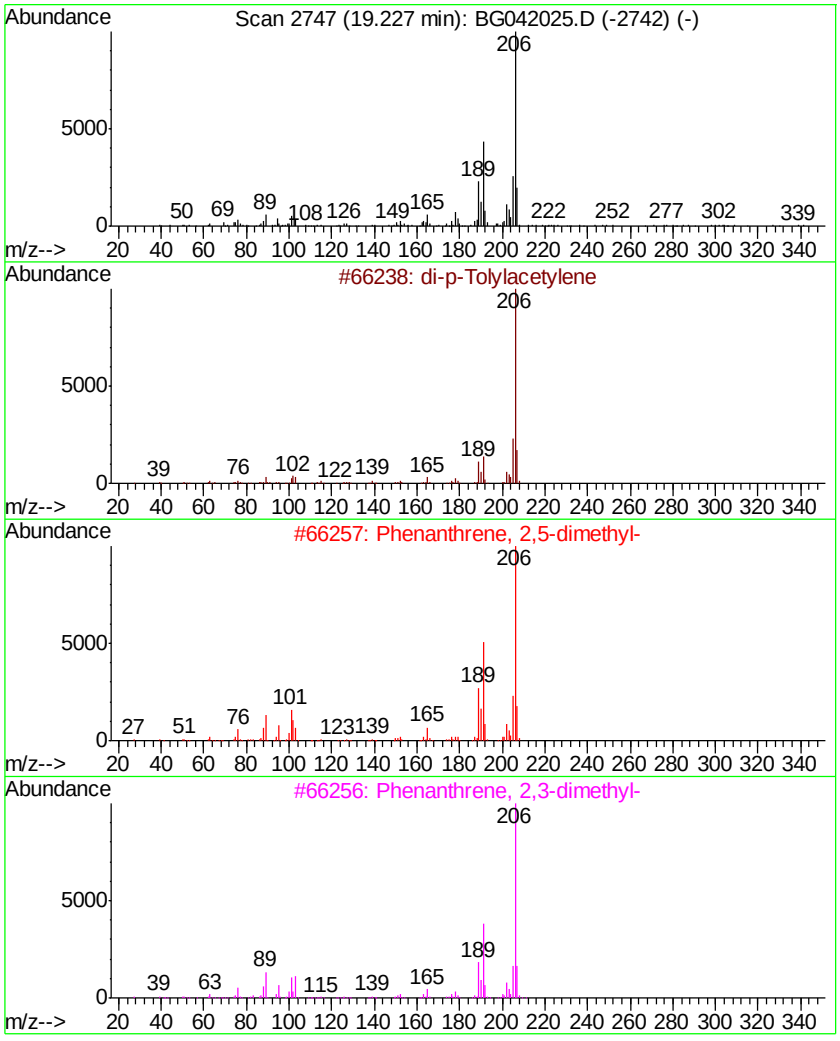
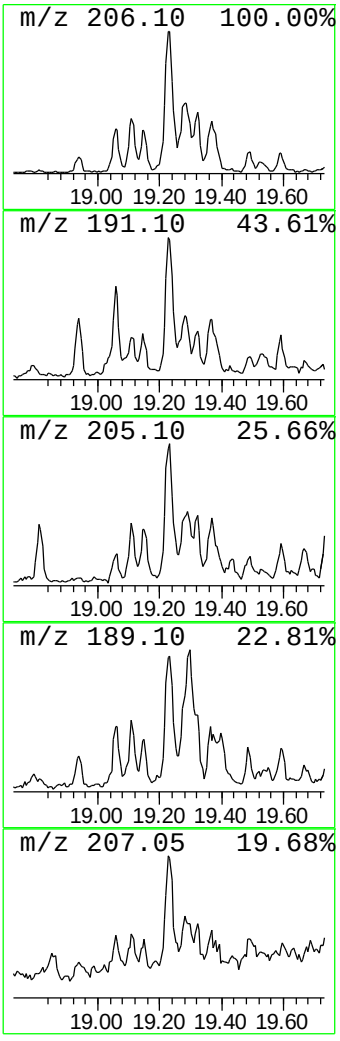
Peak Number 6 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.07 ng/ul	192968	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Library Search Compound Report

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Operator : HP/JU
Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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Quant Title : SVOA CALIBRATION

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

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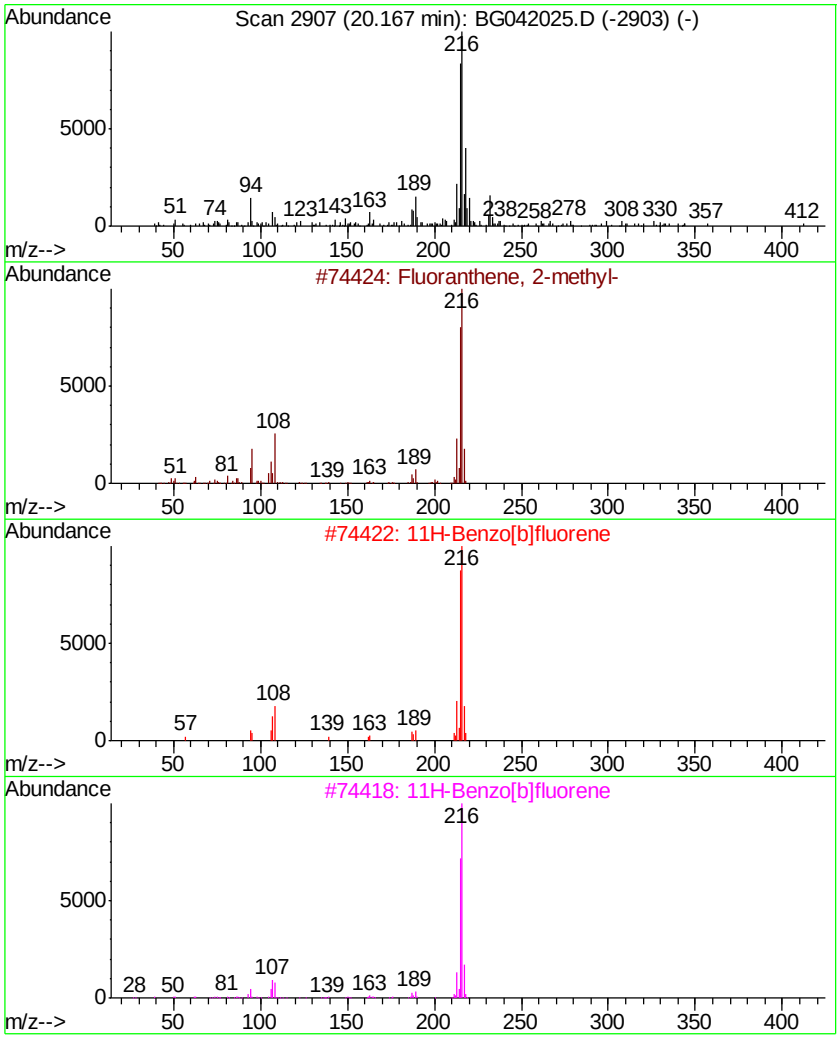
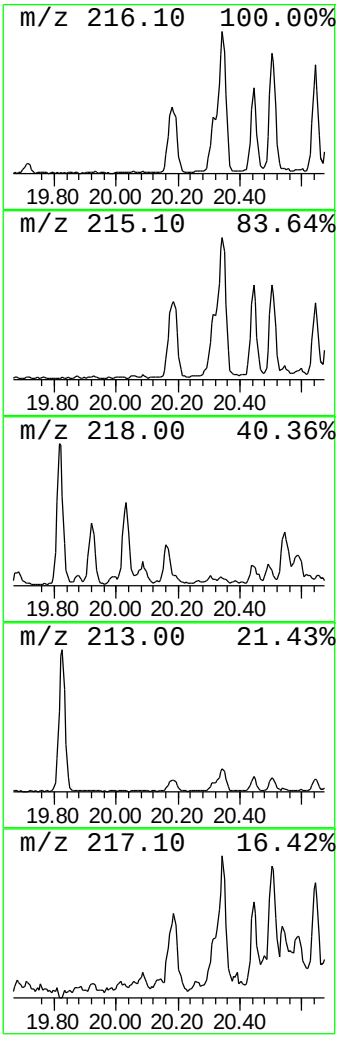
Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.30 ng/ul	236351	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





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Operator : HP/JU
Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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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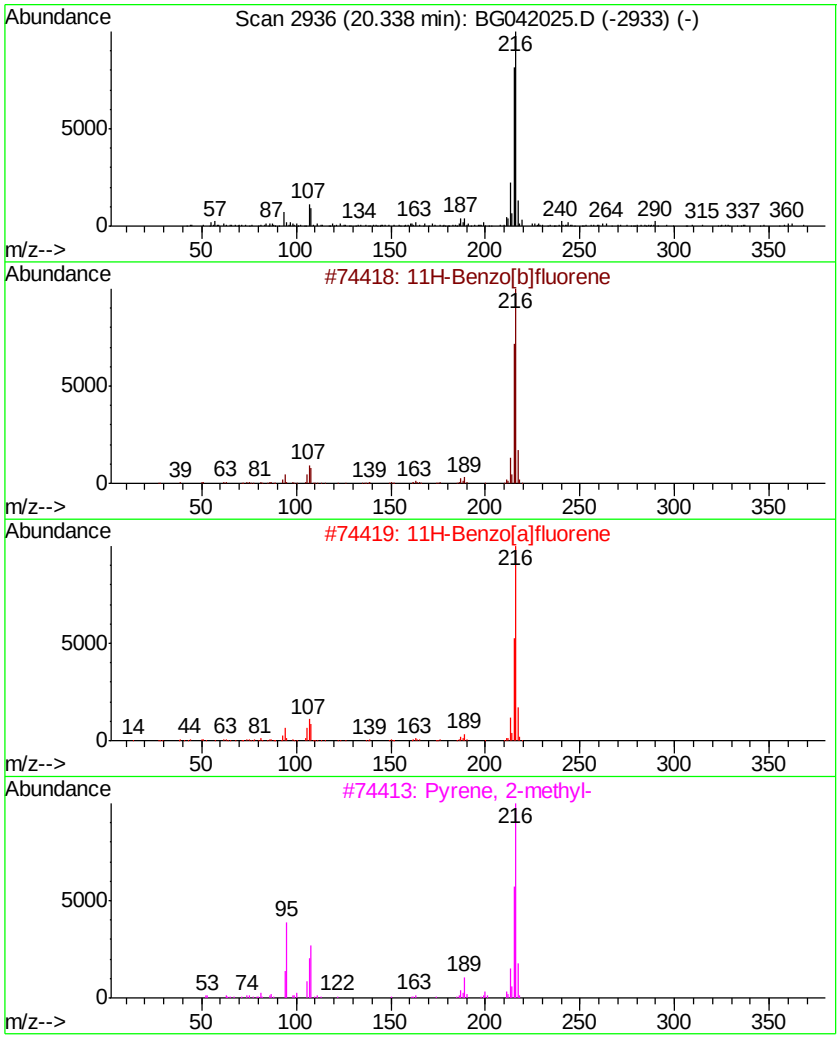
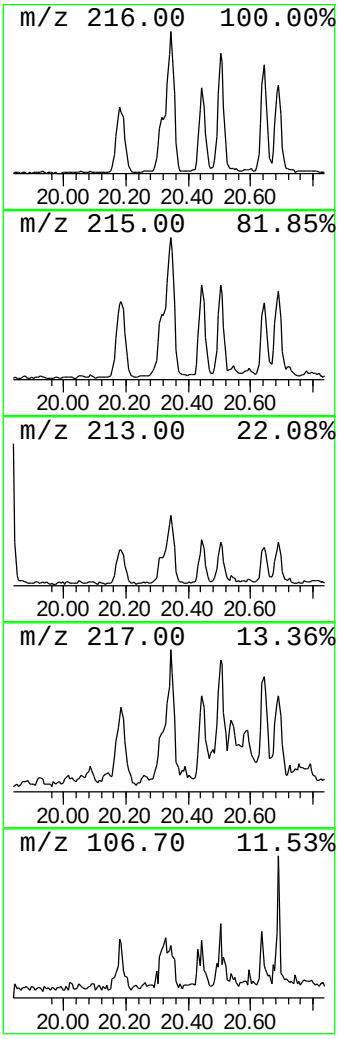
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.40 ng/ul	245776	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





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Operator : HP/JU
Sample : K4028-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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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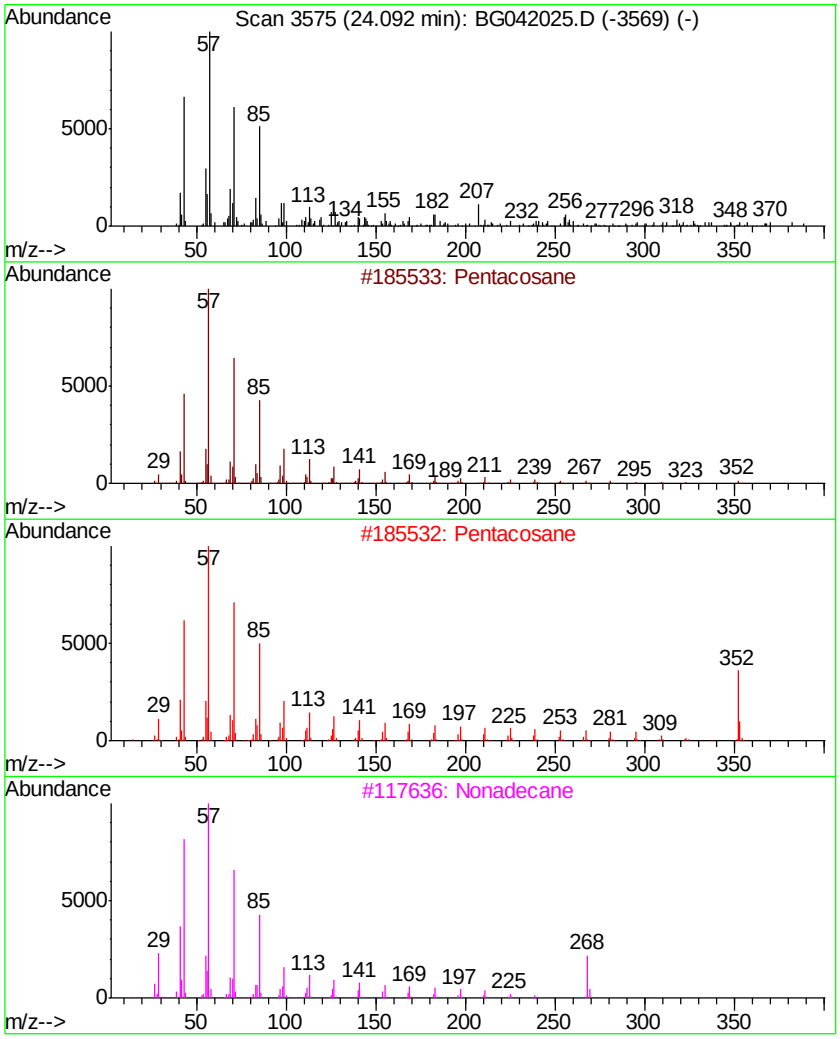
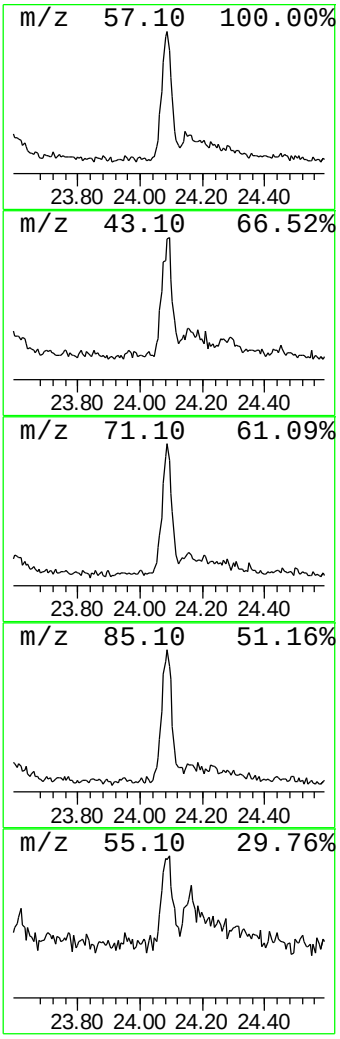
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	2.11 ng/ul	147726	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	94
2	Pentacosane	352	C25H52	000629-99-2	93
3	Nonadecane	268	C19H40	000629-92-5	90
4	Tricosane	324	C23H48	000638-67-5	90
5	Tricosane	324	C23H48	000638-67-5	90





Library Search Compound Report

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Operator : HP/JU
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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ7

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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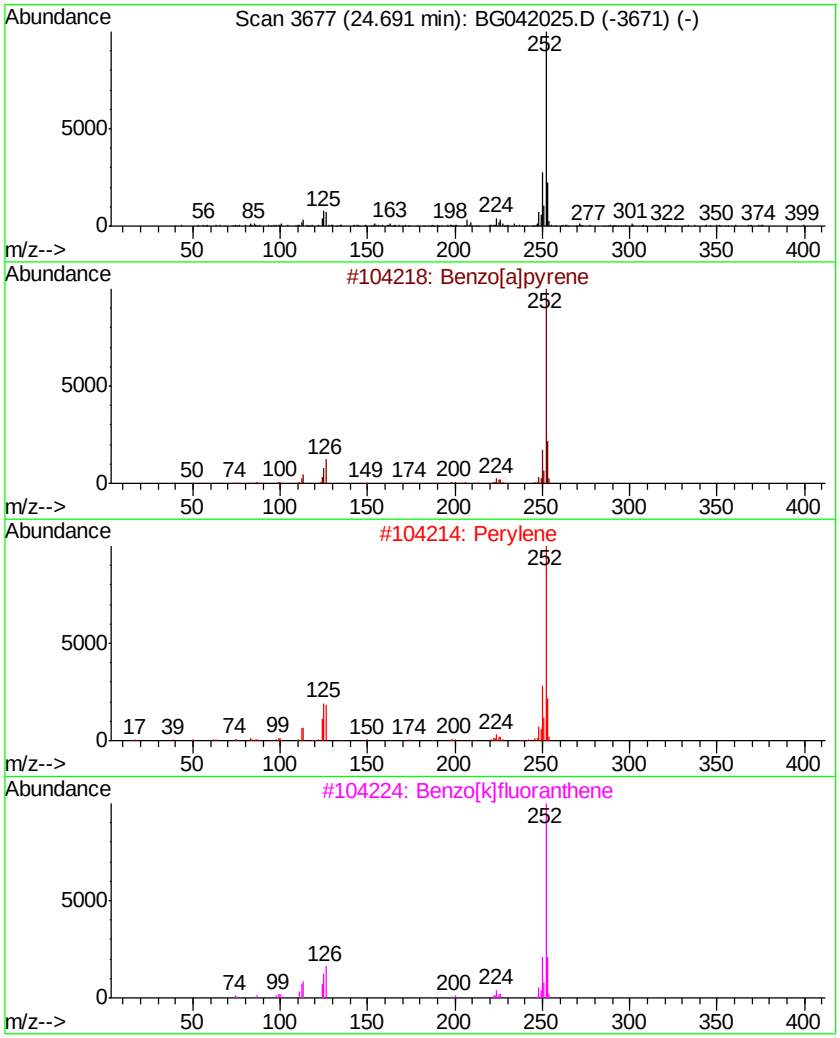
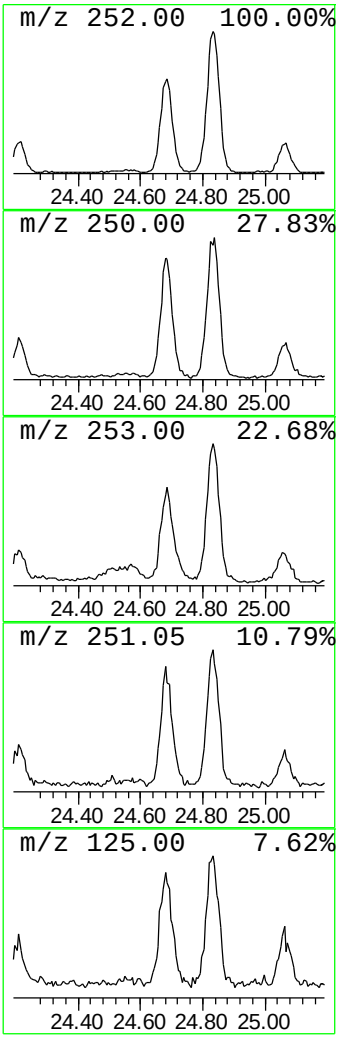
Peak Number 10 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	2.91 ng/ul	203630	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

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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	112.4	ng/ul	2250800	1	8.03	400523	20.0
Juglone	14.93	42.5	ng/ul	2114850	3	14.69	996122	20.0
Anthracene, 1-met...	18.32	3.8	ng/ul	235555	4	17.44	1255230	20.0
Anthracene, 2-met...	18.36	3.6	ng/ul	225071	4	17.44	1255230	20.0
4H-Cyclopenta[def...	18.51	4.4	ng/ul	277396	4	17.44	1255230	20.0
di-p-Tolylacetylene	19.23	3.1	ng/ul	192968	4	17.44	1255230	20.0
Fluoranthene, 2-m...	20.17	2.3	ng/ul	236351	5	21.72	2052130	20.0
11H-Benzo[b]fluorene	20.34	2.4	ng/ul	245776	5	21.72	2052130	20.0
(DEL) Alkane: Str...	24.09	2.1	ng/ul	147726	6	24.99	1400030	20.0
Perylene	24.69	2.9	ng/ul	203630	6	24.99	1400030	20.0