LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.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	3.214	62	64	65	rBV3	2179	1627	0.20%	0.016%
2	3.314	78	81	83	rBV4	2521	3351	0.42%	0.032%
3	3.537	115	119	125	rVB2	4791	7054	0.88%	0.068%
4	4.072	205	210	215	rVB4	3155	5237	0.65%	0.051%
5	4.295	246	248	253	rVB5	1443	1788	0.22%	0.017%
6	4.460	274	276	281	rBV4	765	1278	0.16%	0.012%
7	6.310	586	591	595	rBV3	842	1242	0.15%	0.012%
8	7.133	726	731	733	rBV	823	1331	0.17%	0.013%
9	7.309	754	761	770	rBV	77942	159702	19.84%	1.546%
10	7.474	782	789	797	rBV	77128	146896	18.25%	1.422%
11	7.691	818	826	833	rBV	96330	190239	23.63%	1.841%
12	8.161	897	906	919	rVV	126422	249196	30.96%	2.412%
13	8.273	922	925	929	rVV4	1063	1563	0.19%	0.015%
14	8.379	938	943	948	rBV5	2023	3515	0.44%	0.034%
15	8.572	973	976	978	rVB2	1000	1182	0.15%	0.011%
16	8.860	1013	1025	1036	rBV	87577	184220	22.88%	1.783%
17	8.960	1040	1042	1044	rVV2	1363	1175	0.15%	0.011%
18	9.324	1096	1104	1117	rBV	84962	189526	23.54%	1.834%
19	9.413	1117	1119	1126	rVV4	3386	6961	0.86%	0.067%
20	9.477	1126	1130	1134	rVB3	1556	2728	0.34%	0.026%
21	9.701	1167	1168	1175	rVB3	1159	2084	0.26%	0.020%
22	10.053	1219	1228	1239	rBV	71661	151418	18.81%	1.465%
23	10.294	1264	1269	1271	rBV2	887	1286	0.16%	0.012%
24	10.594	1313	1320	1337	rVV	119180	252096	31.32%	2.440%
25	10.923	1373	1376	1377	rVV3	1304	1611	0.20%	0.016%
26	10.976	1377	1385	1400	rVV	221410	467692	58.10%	4.526%
27	11.111	1400	1408	1424	rVV	73048	177942	22.10%	1.722%
28	11.240	1427	1430	1432	rVV2	2081	3072	0.38%	0.030%
29	11.275	1434	1436	1438	rVV2	1532	1531	0.19%	0.015%
30	11.463	1463	1468	1471	rBV4	1002	1348	0.17%	0.013%
31	11.681	1499	1505	1506	rVB3	889	1196	0.15%	0.012%
32	11.968	1551	1554	1560	rBV4	1555	3261	0.41%	0.032%
33	12.356	1616	1620	1625	rBV4	2291	3389	0.42%	0.033%
34	12.556	1649	1654	1655	rVV	2276	3011	0.37%	0.029%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Title : SVOA CALIBRATION

35	12.632	1659	1667	1672	rVB3	4326	8324	1.03%	0.081%
36	12.844	1696	1703	1709	rVV2	5021	9598	1.19%	0.093%
37	13.132	1749	1752	1754	rBV3	1723	2491	0.31%	0.024%
38	13.155	1754	1756	1759	rVV3	1649	2099	0.26%	0.020%
39	13.296	1777	1780	1785	rBV3	2979	3699	0.46%	0.036%
40	13.384	1787	1795	1800	rVB3	1953	4896	0.61%	0.047%
41	13.590	1822	1830	1833	rBV5	5626	10499	1.30%	0.102%
42	13.619	1833	1835	1836	rVV2	1819	1664	0.21%	0.016%
43	13.655	1839	1841	1846	rVB2	2143	3153	0.39%	0.031%
44	13.966	1887	1894	1898	rBV4	2773	6629	0.82%	0.064%
45	14.042	1901	1907	1912	rBV5	1953	4383	0.54%	0.042%
46	14.101	1912	1917	1922	rBV5	7163	12702	1.58%	0.123%
47	14.178	1922	1930	1935	rBV	245993	423284	52.58%	4.097%
48	14.225	1935	1938	1945	rVB	81680	129959	16.14%	1.258%
49	14.283	1945	1948	1950	rVB4	1903	1592	0.20%	0.015%
50	14.342	1954	1958	1965	rVB5	3681	8524	1.06%	0.082%
51	14.407	1968	1969	1972	rBV3	1722	1488	0.18%	0.014%
52	14.477	1974	1981	1991	rBV	338696	595464	73.97%	5.763%
53	14.601	2001	2002	2006	rVB4	1487	1219	0.15%	0.012%
54	14.654	2006	2011	2017	rVB	15010	21853	2.71%	0.212%
55	14.724	2021	2023	2024	rBV2	1999	1210	0.15%	0.012%
56	14.783	2026	2033	2041	rBV2	347377	600887	74.64%	5.816%
57	14.853	2041	2045	2050	rVB5	8821	15513	1.93%	0.150%
58	14.918	2052	2056	2058	rBV3	1625	2072	0.26%	0.020%
59	14.983	2062	2067	2079	rBV3	32777	92271	11.46%	0.893%
60	15.088	2082	2085	2088	rBV4	3910	4197	0.52%	0.041%
61	15.153	2092	2096	2097	rBV4	3773	4723	0.59%	0.046%
62	15.259	2109	2114	2118	rBV6	4526	8634	1.07%	0.084%
63	15.394	2133	2137	2142	rVB6	5854	9850	1.22%	0.095%
64	15.447	2142	2146	2150	rBV4	4271	7709	0.96%	0.075%
65	15.558	2159	2165	2168	rBV6	6718	12333	1.53%	0.119%
66	15.599	2168	2172	2178	rVB	23133	36662	4.55%	0.355%
67	15.770	2194	2201	2208	rBV	393233	691465	85.89%	6.692%
68	15.893	2216	2222	2228	rBV	56595	98083	12.18%	0.949%
69	16.011	2235	2242	2245	rBV6	12198	27586	3.43%	0.267%
70	16.099	2253	2257	2260	rBV4	4968	7302	0.91%	0.071%
71	16.222	2274	2278	2282	rBV6	4393	6913	0.86%	0.067%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Title : SVOA CALIBRATION

72	16.258	2282	2284	2285	rBV2	2874	1967	0.24%	0.019%
73	16.463	2314	2319	2321	rBV2	25416	41007	5.09%	0.397%
74	16.763	2368	2370	2372	rBV3	3152	2374	0.29%	0.023%
75	16.822	2374	2380	2384	rVV8	8101	20616	2.56%	0.200%
76	16.963	2402	2404	2406	rBV3	4195	4491	0.56%	0.043%
77	17.250	2449	2453	2457	rBV	19523	29464	3.66%	0.285%
78	17.345	2467	2469	2477	rVB	14746	22085	2.74%	0.214%
79	17.527	2494	2500	2504	rBV	356173	602003	74.78%	5.826%
80	17.568	2504	2507	2512	rVV	160087	260172	32.32%	2.518%
81	17.627	2512	2517	2529	rVB2	350146	647822	80.47%	6.270%
82	18.396	2644	2648	2652	rBV	26507	45357	5.63%	0.439%
83	18.449	2652	2657	2665	rVB	41324	72175	8.97%	0.699%
84	18.525	2668	2670	2676	rVB3	10554	15468	1.92%	0.150%
85	18.590	2676	2681	2685	rBV3	41396	79426	9.87%	0.769%
86	18.890	2729	2732	2736	rVV2	14819	19565	2.43%	0.189%
87	18.937	2738	2740	2747	rVB7	13826	18812	2.34%	0.182%
88	19.137	2771	2774	2778	rVB5	11243	14698	1.83%	0.142%
89	19.301	2798	2802	2807	rBV3	25063	42031	5.22%	0.407%
90	19.571	2842	2848	2856	rVB	172748	261214	32.45%	2.528%
91	19.718	2871	2873	2877	rVB	12393	13205	1.64%	0.128%
92	19.906	2898	2905	2908	rBV	446274	805018	100.00%	7.791%
93	20.412	2983	2991	2997	rBV3	30705	84861	10.54%	0.821%
94	20.576	3016	3019	3024	rVB	20597	29021	3.61%	0.281%
95	20.717	3040	3043	3047	rBV2	22143	30683	3.81%	0.297%
96	21.422	3158	3163	3168	rBV2	91812	141968	17.64%	1.374%
97	21.810	3221	3229	3235	rBV2	345677	776155	96.41%	7.512%
98	22.603	3361	3364	3375	rVB2	57445	117554	14.60%	1.138%
99	24.912	3750	3757	3767	rBV2	151635	455670	56.60%	4.410%
100	25.147	3788	3797	3809	rBV2	178284	565825	70.29%	5.476%

Sum of corrected areas: 10332385

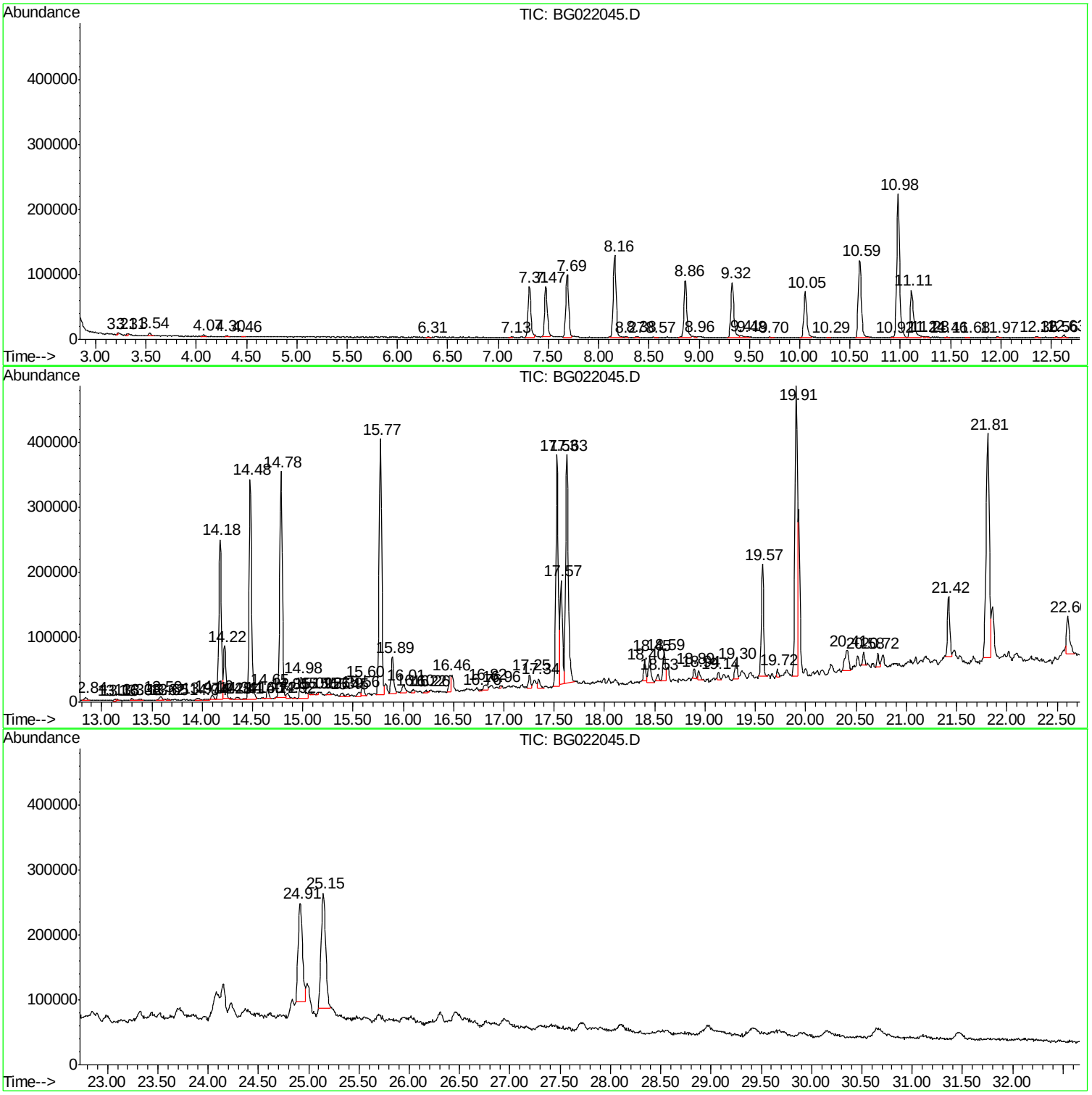
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

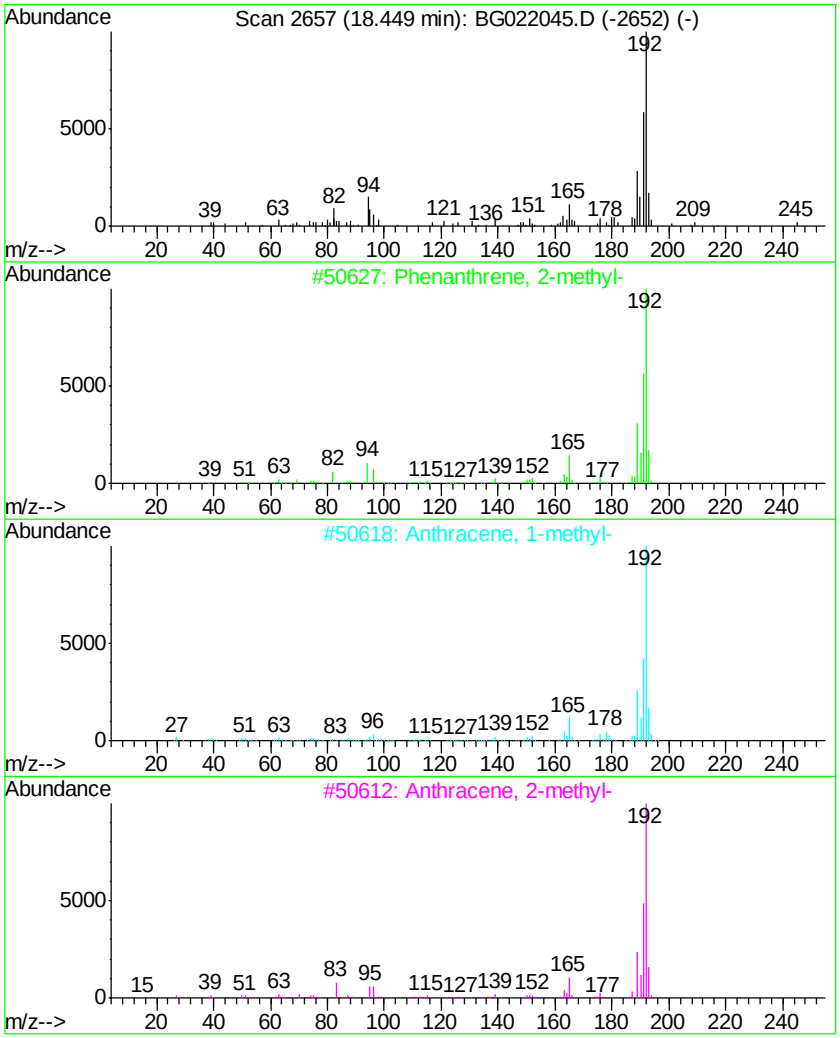
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

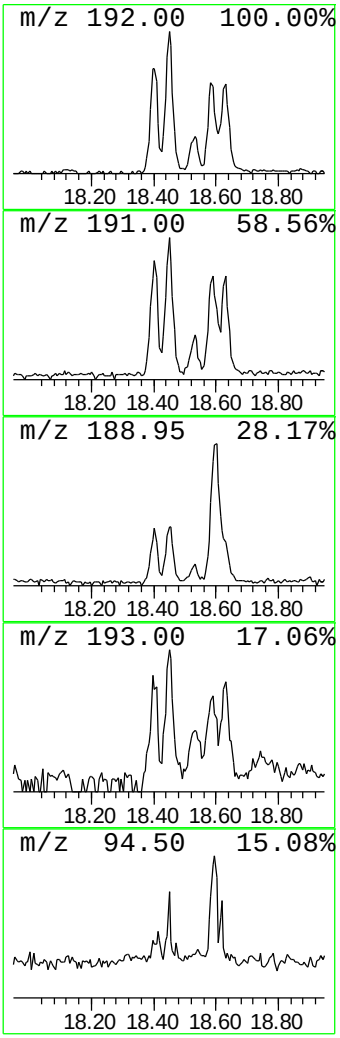
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.40 ng/ul	72175	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

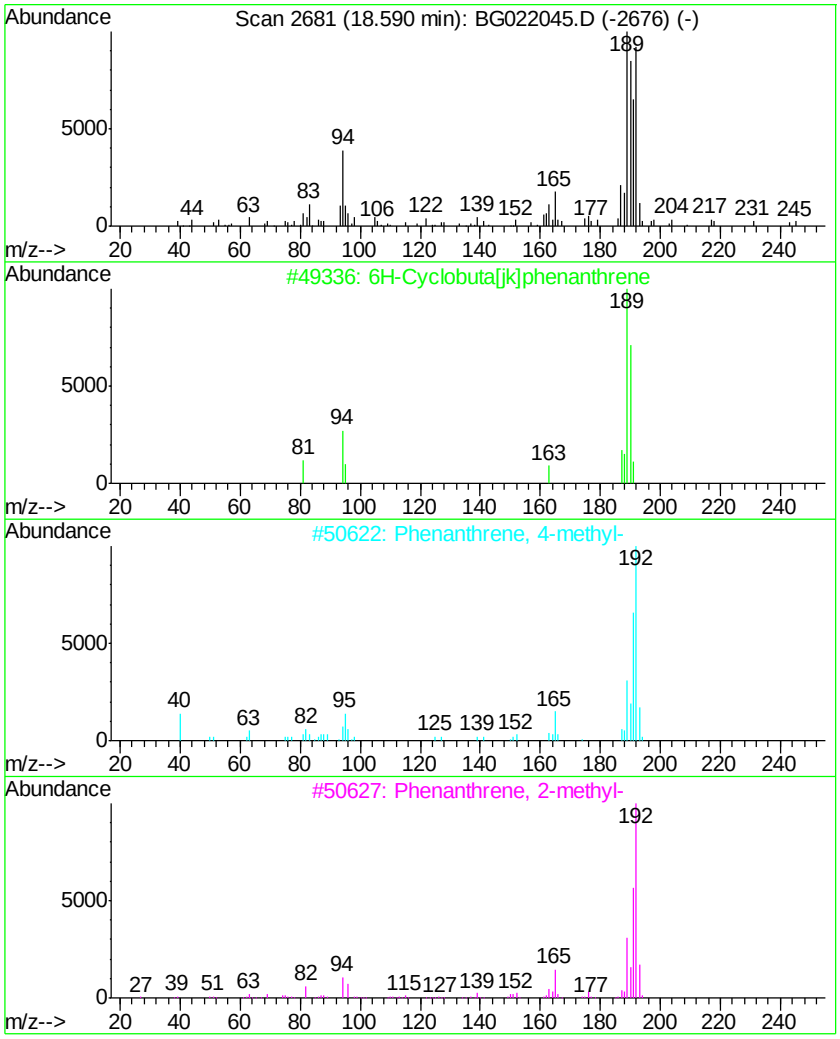
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

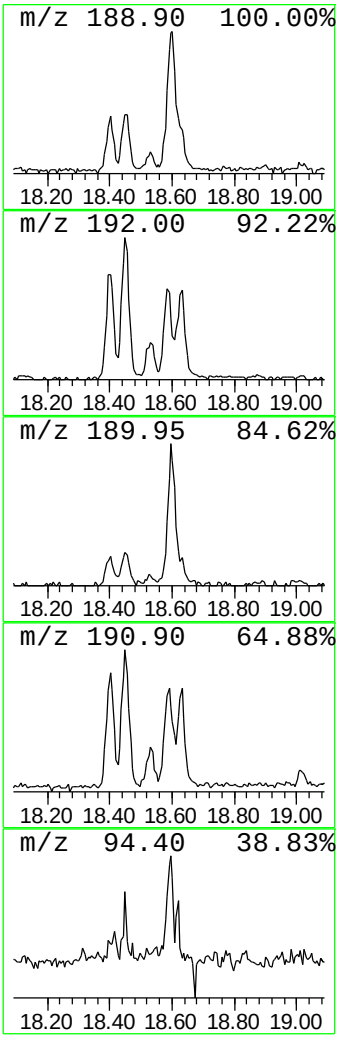
****

Peak Number 2 6H-Cyclobuta[jk]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.64 ng/ul	79426	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

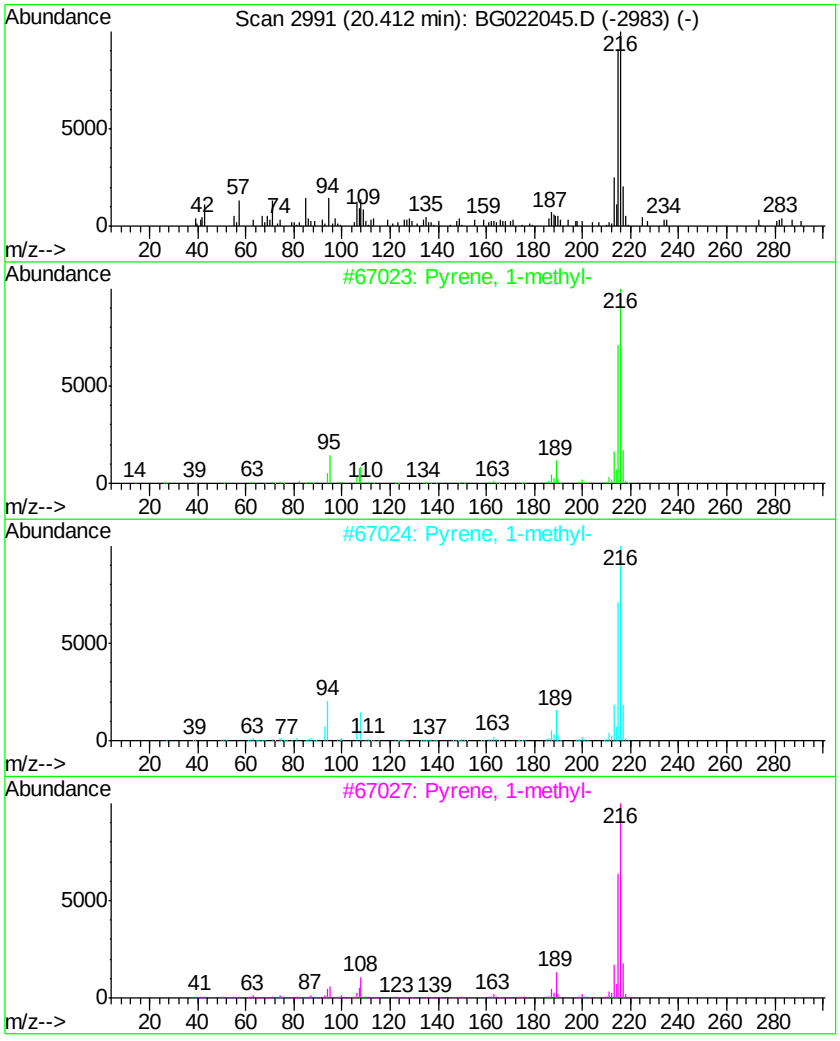
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

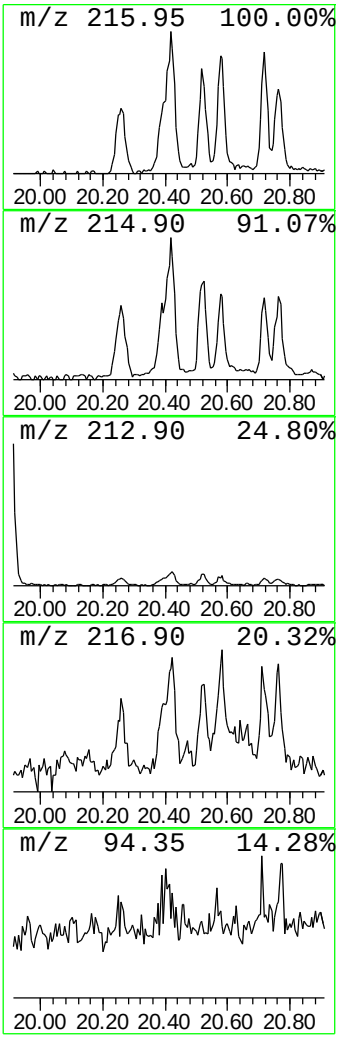
****

Peak Number 3 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.41	2.19 ng/ul	84861	Chrysene-d12	21.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHGF6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

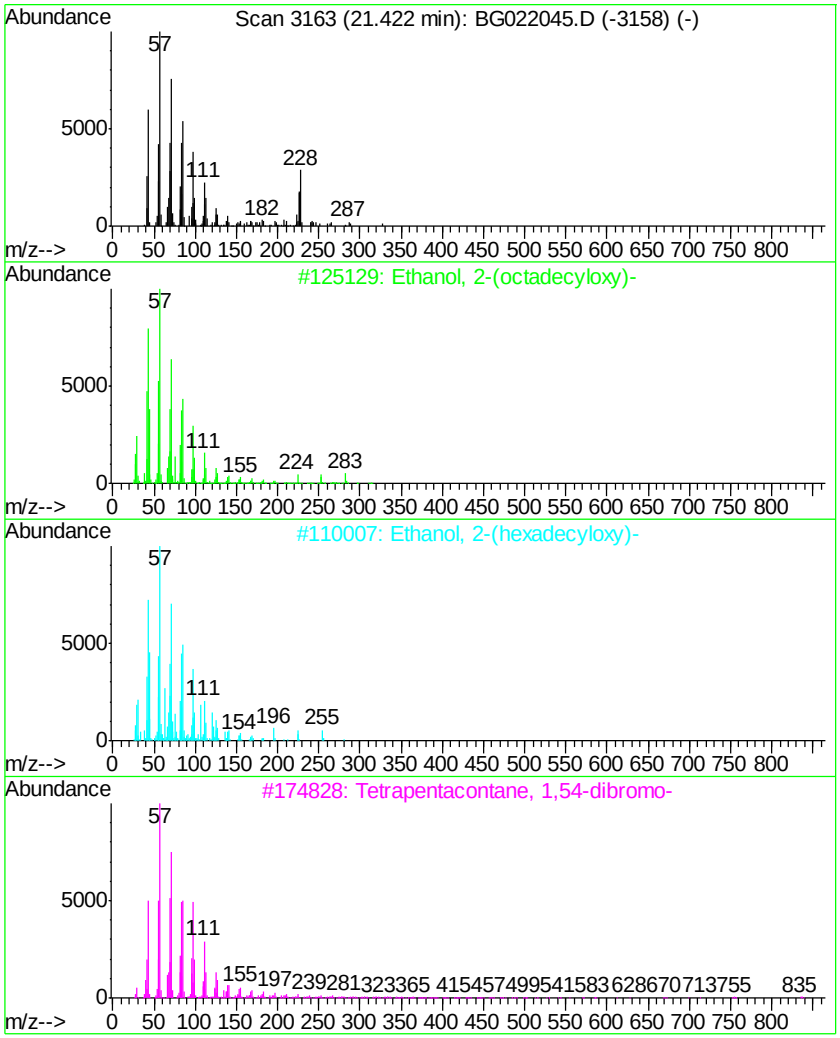
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

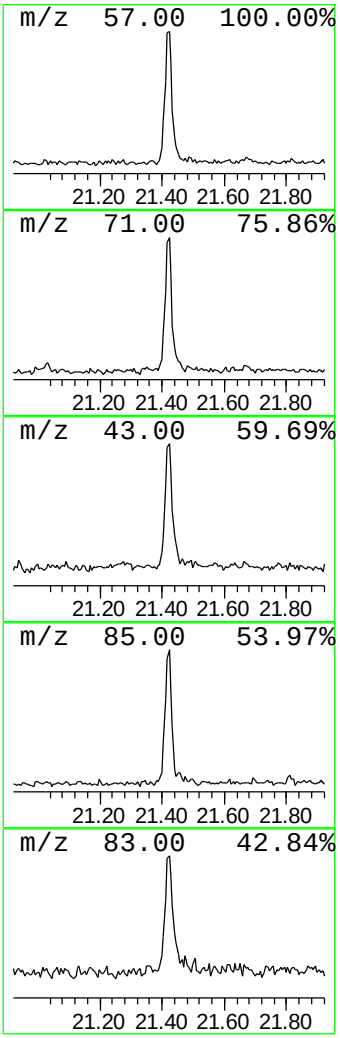
****

Peak Number 4 Ethanol, 2-(octadecyloxy)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	3.66 ng/ul	141968	Chrysene-d12	21.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	87
2	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	83
3	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	74
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	68
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

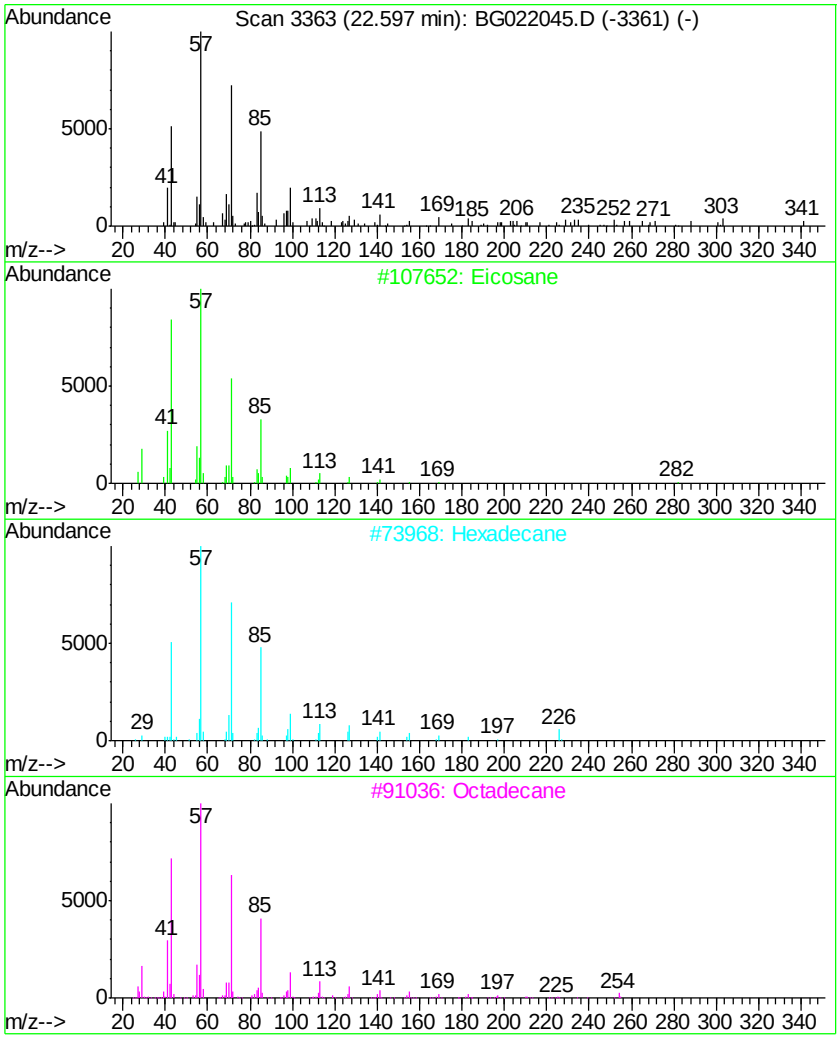
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

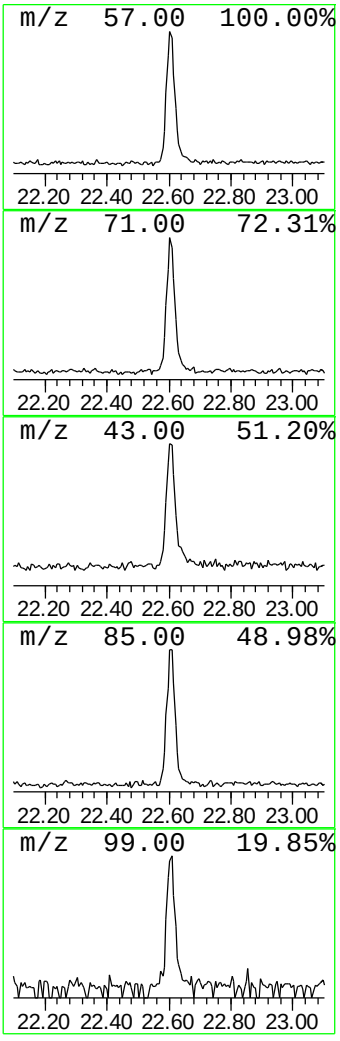
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.60	3.03 ng/ul	117554	Chrysene-d12	21.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Hexadecane	226	C16H34	000544-76-3	87
3	Octadecane	254	C18H38	000593-45-3	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5	Heptadecane	240	C17H36	000629-78-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGF6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2-m...	18.45	2.4	ng/ul	72175	4	17.53	602003	20.0
6H-Cyclobuta[jk]p...	18.59	2.6	ng/ul	79426	4	17.53	602003	20.0
Pyrene, 1-methyl-	20.41	2.2	ng/ul	84861	5	21.81	776155	20.0
Ethanol, 2-(octad...	21.42	3.7	ng/ul	141968	5	21.81	776155	20.0
(DEL) Alkane: Str...	22.60	3.0	ng/ul	117554	5	21.81	776155	20.0