LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.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	3.167	54	56	63	rVB5	13206	25535	0.62%	0.060%
2	3.290	73	77	86	rVB5	22432	31694	0.77%	0.074%
3	4.148	218	223	228	rBV2	23329	33673	0.82%	0.079%
4	5.317	415	422	430	rVB2	22605	45832	1.11%	0.107%
5	7.386	767	774	787	rBV3	254075	557658	13.54%	1.308%
6	7.562	795	804	813	rBV	176681	304923	7.40%	0.715%
7	7.773	833	840	849	rBV2	219457	397714	9.66%	0.933%
8	8.249	911	921	937	rVB	343044	609818	14.81%	1.430%
9	8.943	1032	1039	1047	rBV	290805	510150	12.39%	1.197%
10	9.078	1057	1062	1070	rVB2	25066	47114	1.14%	0.111%
11	9.424	1110	1121	1133	rBV	263949	518853	12.60%	1.217%
12	10.147	1235	1244	1259	rBV	248952	464008	11.27%	1.088%
13	10.688	1326	1336	1346	rBV	345864	657577	15.97%	1.542%
14	11.075	1394	1402	1409	rBV	479506	900403	21.86%	2.112%
15	11.211	1417	1425	1438	rVB	216507	438717	10.65%	1.029%
16	12.403	1619	1628	1635	rVB10	10417	28649	0.70%	0.067%
17	12.709	1674	1680	1685	rBV4	20098	33118	0.80%	0.078%
18	12.932	1711	1718	1723	rBV6	16828	39204	0.95%	0.092%
19	13.725	1842	1853	1859	rVB7	14605	46457	1.13%	0.109%
20	13.907	1879	1884	1891	rVV10	8062	19110	0.46%	0.045%
21	14.037	1899	1906	1911	rVV8	11331	25057	0.61%	0.059%
22	14.184	1924	1931	1936	rBV5	16134	37899	0.92%	0.089%
23	14.260	1936	1944	1949	rVV	648644	1013133	24.60%	2.376%
24	14.301	1949	1951	1959	rVB2	92764	131341	3.19%	0.308%
25	14.424	1966	1972	1975	rBV5	10341	23972	0.58%	0.056%
26	14.565	1988	1996	2008	rVV	738547	1181550	28.69%	2.771%
27	14.695	2014	2018	2028	rVB	9244	23508	0.57%	0.055%
28	14.865	2036	2047	2054	rBV	843692	1384101	33.61%	3.246%
29	14.936	2054	2059	2064	rVB2	64376	106586	2.59%	0.250%
30	15.047	2071	2078	2091	rVV	299531	553427	13.44%	1.298%
31	15.259	2103	2114	2121	rVV	59218	130024	3.16%	0.305%
32	15.652	2177	2181	2190	rVB9	17216	33463	0.81%	0.078%
33	15.852	2205	2215	2221	rBV	1030385	1585514	38.50%	3.719%
34	15.905	2221	2224	2229	rVV2	83618	120878	2.94%	0.284%

LSC Area Percent Report

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Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Title : SVOA CALIBRATION

35	15.964	2229	2234	2242	rVV	317613	496155	12.05%	1.164%
36	16.075	2249	2253	2263	rVB9	22201	51880	1.26%	0.122%
37	16.205	2270	2275	2279	rVB5	18527	31806	0.77%	0.075%
38	16.352	2292	2300	2307	rVB3	24680	58433	1.42%	0.137%
39	16.904	2386	2394	2398	rBV7	18076	44693	1.09%	0.105%
40	16.957	2399	2403	2409	rVB7	15219	25491	0.62%	0.060%
41	17.127	2424	2432	2436	rBV10	30655	64595	1.57%	0.152%
42	17.262	2451	2455	2460	rBV4	38676	58607	1.42%	0.137%
43	17.321	2460	2465	2471	rBV8	12678	26851	0.65%	0.063%
44	17.427	2477	2483	2488	rVB2	42114	65938	1.60%	0.155%
45	17.609	2507	2514	2518	rBV	1219119	1915968	46.52%	4.494%
46	17.650	2518	2521	2526	rVV	766275	1125028	27.32%	2.639%
47	17.709	2526	2531	2543	rVB3	1171319	2117945	51.43%	4.968%
48	18.008	2575	2582	2587	rBV3	77983	139468	3.39%	0.327%
49	18.114	2597	2600	2605	rBV6	17078	27286	0.66%	0.064%
50	18.185	2609	2612	2618	rBV8	22272	38629	0.94%	0.091%
51	18.326	2631	2636	2643	rVB10	19087	48818	1.19%	0.114%
52	18.449	2652	2657	2659	rBV2	109196	132129	3.21%	0.310%
53	18.479	2659	2662	2666	rVV2	104932	156375	3.80%	0.367%
54	18.526	2666	2670	2675	rVB2	135630	206086	5.00%	0.483%
55	18.608	2679	2684	2688	rBV3	49841	74253	1.80%	0.174%
56	18.678	2688	2696	2699	rBV3	141704	296337	7.20%	0.695%
57	18.813	2716	2719	2722	rBV5	24008	35729	0.87%	0.084%
58	18.966	2741	2745	2749	rBV	90707	137173	3.33%	0.322%
59	19.013	2749	2753	2757	rVV4	75300	120385	2.92%	0.282%
60	19.048	2757	2759	2764	rVB5	52437	66438	1.61%	0.156%
61	19.189	2779	2783	2790	rBV7	59543	113653	2.76%	0.267%
62	19.254	2791	2794	2798	rVB5	32216	40740	0.99%	0.096%
63	19.301	2799	2802	2808	rVB7	25371	39466	0.96%	0.093%
64	19.383	2809	2816	2821	rBV7	99904	204756	4.97%	0.480%
65	19.524	2834	2840	2851	rVB8	54680	137411	3.34%	0.322%
66	19.648	2851	2861	2864	rBV	1007604	1567884	38.07%	3.677%
67	19.683	2864	2867	2874	rVB2	380101	504710	12.26%	1.184%
68	19.836	2890	2893	2896	rBV5	19162	21523	0.52%	0.050%
69	19.871	2896	2899	2901	rBV3	27885	38244	0.93%	0.090%
70	19.977	2910	2917	2929	rBV3	1851981	4118391	100.00%	9.659%
71	20.065	2929	2932	2939	rVB2	71179	105854	2.57%	0.248%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Title : SVOA CALIBRATION

72	20.177	2947	2951	2956	rVB	65732	100023	2.43%	0.235%
73	20.323	2969	2976	2982	rBV3	85213	214651	5.21%	0.503%
74	20.400	2983	2989	2993	rBV2	179798	261675	6.35%	0.614%
75	20.453	2994	2998	2999	rBV4	56194	64950	1.58%	0.152%
76	20.488	3001	3004	3012	rVB2	175251	272567	6.62%	0.639%
77	20.588	3016	3021	3025	rBV	116758	164358	3.99%	0.385%
78	20.647	3028	3031	3035	rVB2	87118	112533	2.73%	0.264%
79	20.788	3051	3055	3059	rBV2	80160	122435	2.97%	0.287%
80	20.835	3059	3063	3074	rVB3	86611	200198	4.86%	0.470%
81	21.134	3112	3114	3122	rVB5	69564	102906	2.50%	0.241%
82	21.269	3133	3137	3144	rVB	93373	160050	3.89%	0.375%
83	21.469	3162	3171	3175	rBV6	134193	331806	8.06%	0.778%
84	21.563	3182	3187	3192	rBV4	124008	202315	4.91%	0.475%
85	21.616	3192	3196	3203	rVB3	82182	162501	3.95%	0.381%
86	21.734	3212	3216	3230	rVB4	99897	215841	5.24%	0.506%
87	21.898	3234	3244	3250	rBV2	1458809	3453648	83.86%	8.100%
88	21.951	3250	3253	3263	rVB	413821	656637	15.94%	1.540%
89	22.110	3275	3280	3287	rBV5	68536	154446	3.75%	0.362%
90	22.674	3370	3376	3380	rVB3	133129	227348	5.52%	0.533%
91	22.973	3420	3427	3442	rVB3	90110	361620	8.78%	0.848%
92	24.248	3632	3644	3659	rBV3	654140	2150608	52.22%	5.044%
93	24.994	3764	3771	3776	rBV2	132740	362324	8.80%	0.850%
94	25.083	3777	3786	3794	rVV3	752094	2144499	52.07%	5.030%
95	25.153	3795	3798	3807	rVB2	232653	545731	13.25%	1.280%
96	25.253	3810	3815	3816	rBV5	47859	74844	1.82%	0.176%
97	25.323	3818	3827	3836	rVB	746506	2131720	51.76%	5.000%
98	26.446	4008	4018	4030	rVB3	175350	548805	13.33%	1.287%
99	26.587	4033	4042	4054	rBV9	109020	410202	9.96%	0.962%
100	29.236	4486	4493	4501	rBV3	71818	208936	5.07%	0.490%

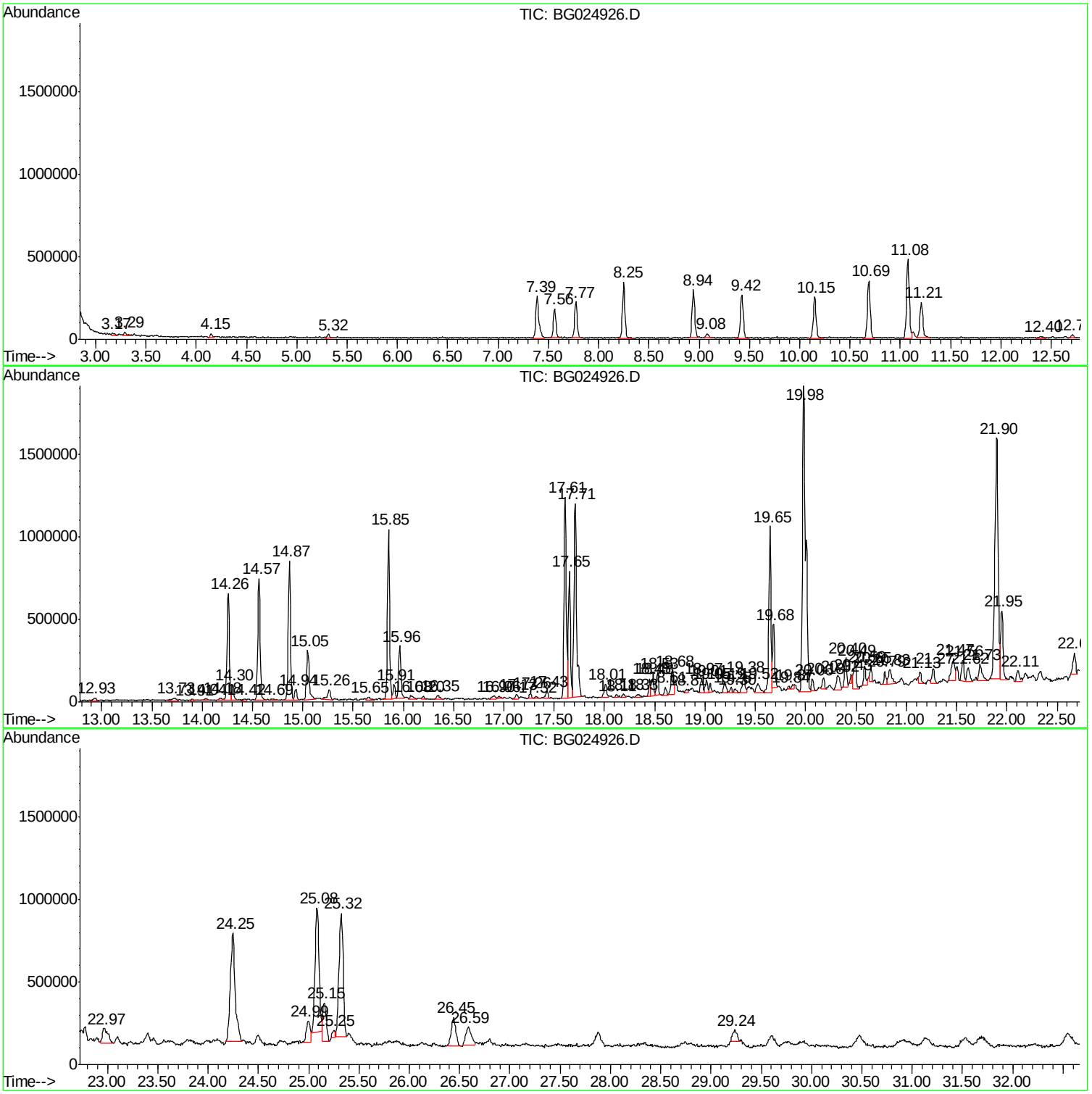
Sum of corrected areas: 42635965

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

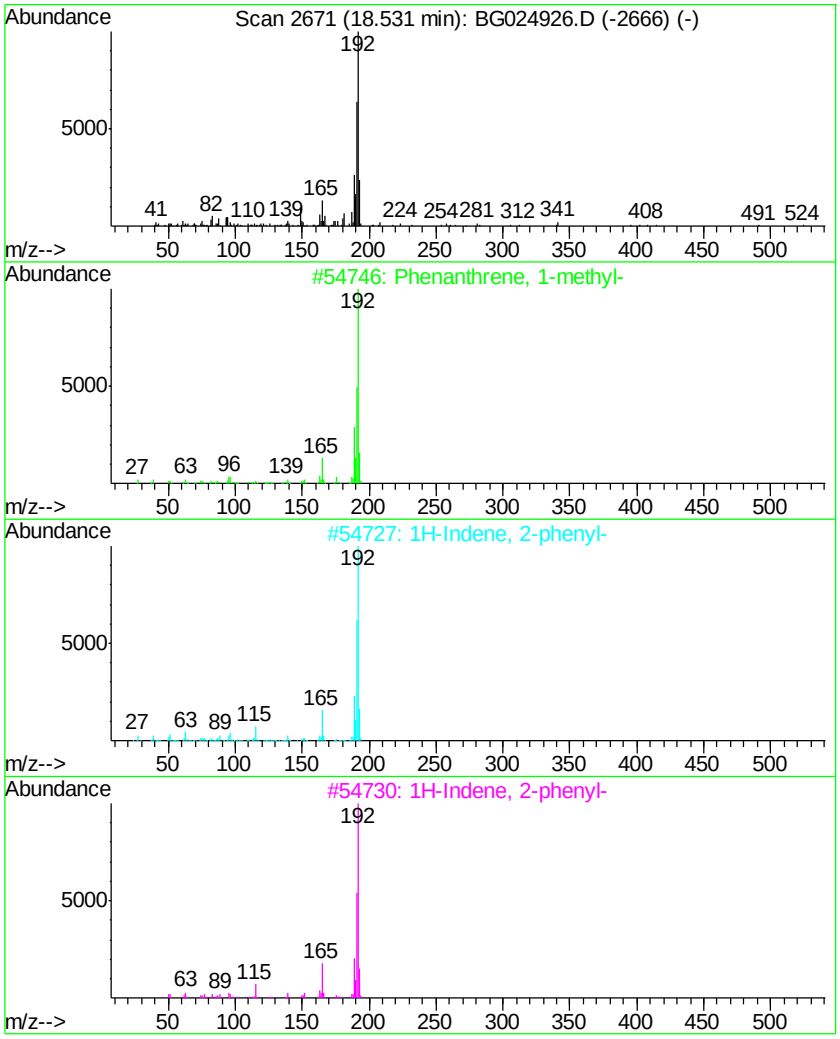
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

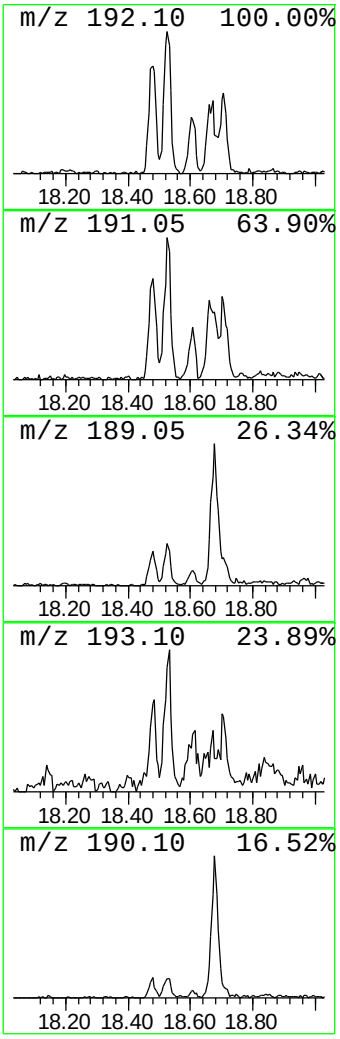
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	2.15 ng/ul	206086	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

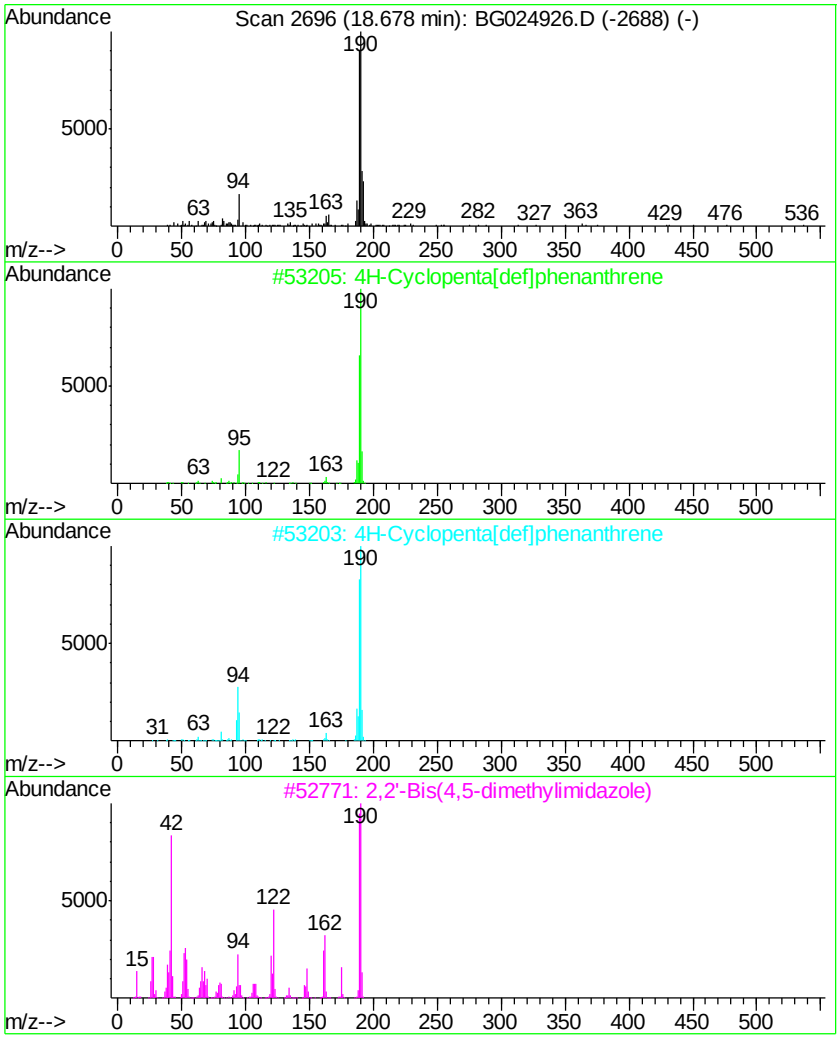
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

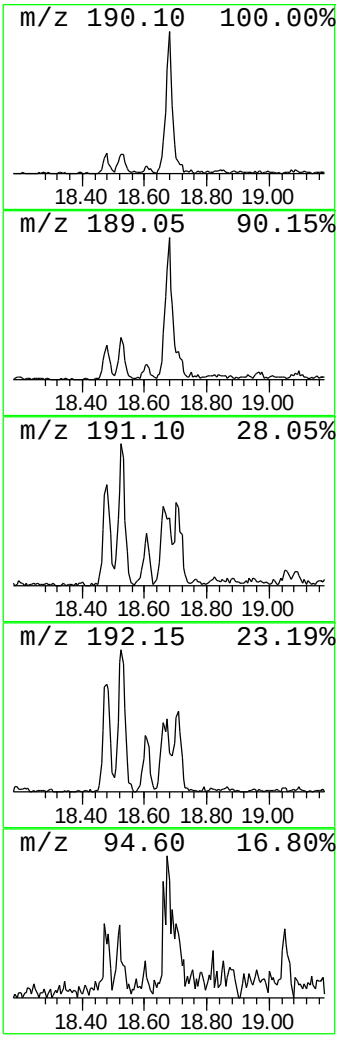
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.09 ng/ul	296337	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

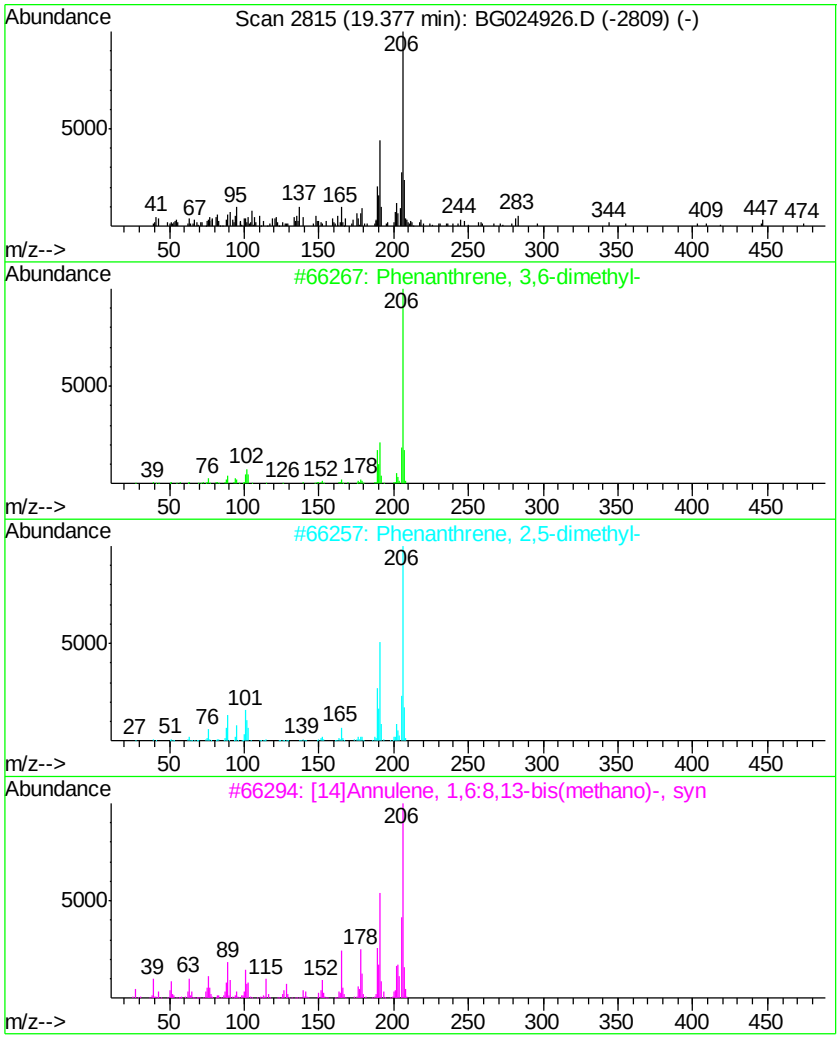
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

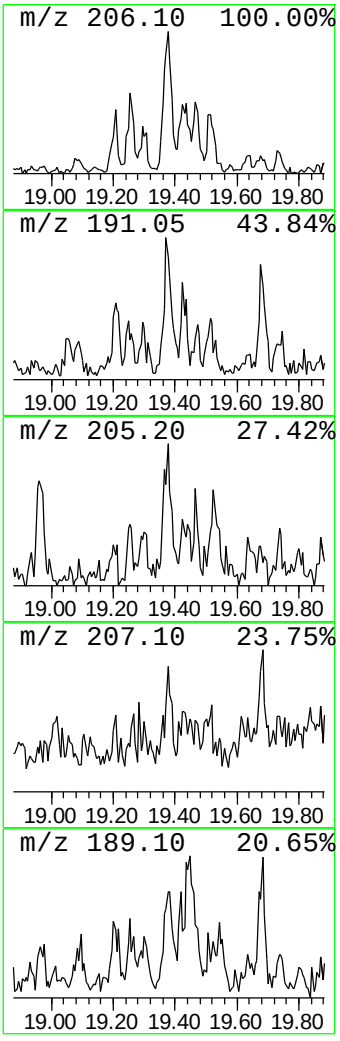
****

Peak Number 3 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	2.14 ng/ul	204756	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	74
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	68





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

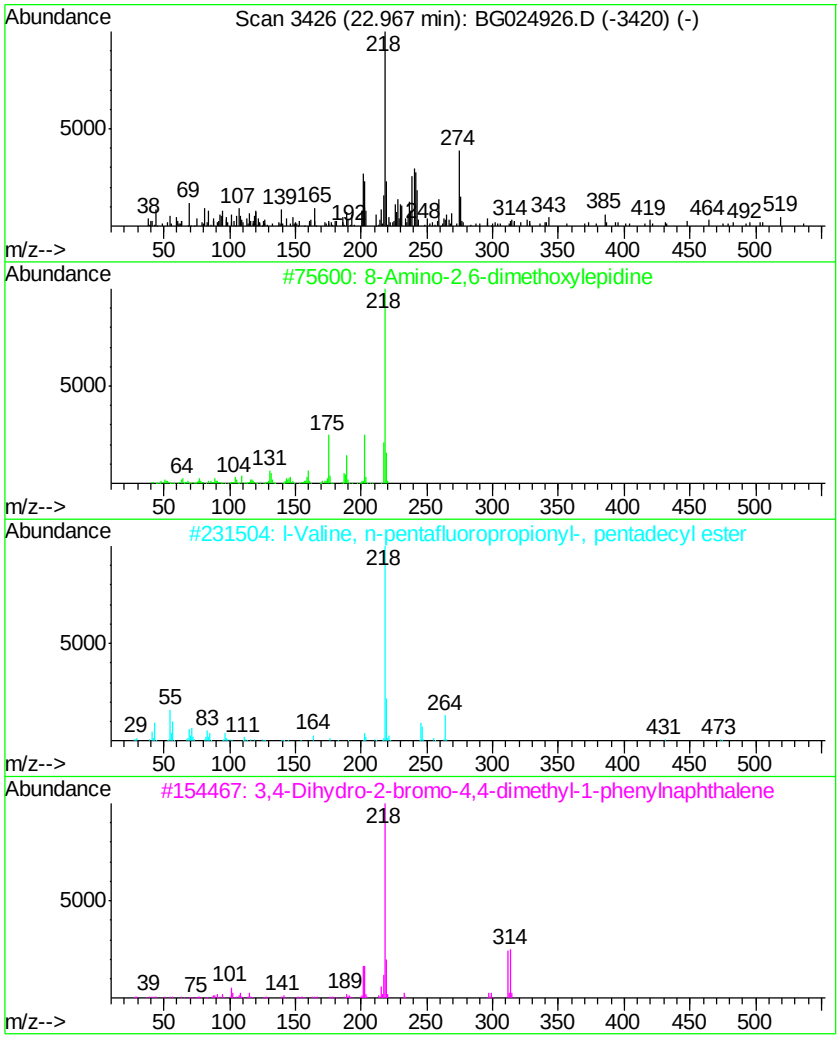
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

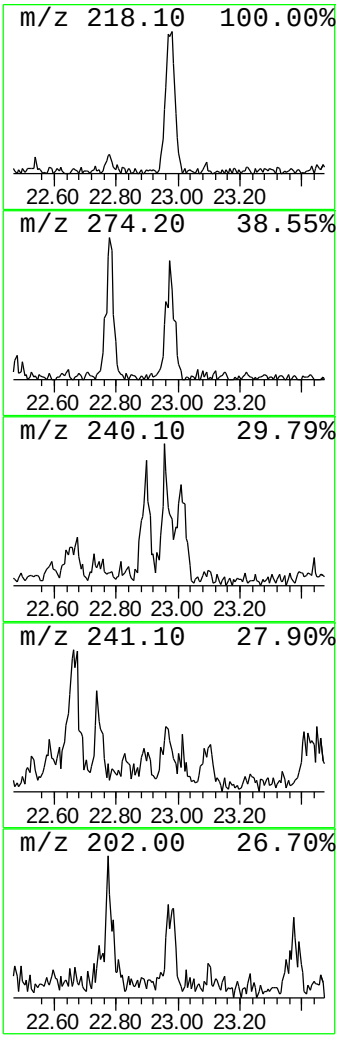
****

Peak Number 4 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	2.09 ng/ul	361620	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Amino-2,6-dimethoxylepidine	218	C12H14N2O2	074509-65-2	30
2	l-Valine, n-pentafluoropropionyl...	473	C23H40F5NO3	1000320-88-9	30
3	3,4-Dihydro-2-bromo-4,4-dimethyl...	312	C18H17Br	071161-44-9	25
4	Indane, 1-(p-cyanobenzylidene,-5...	274	C19H18N2	1000153-56-8	25
5	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	22





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

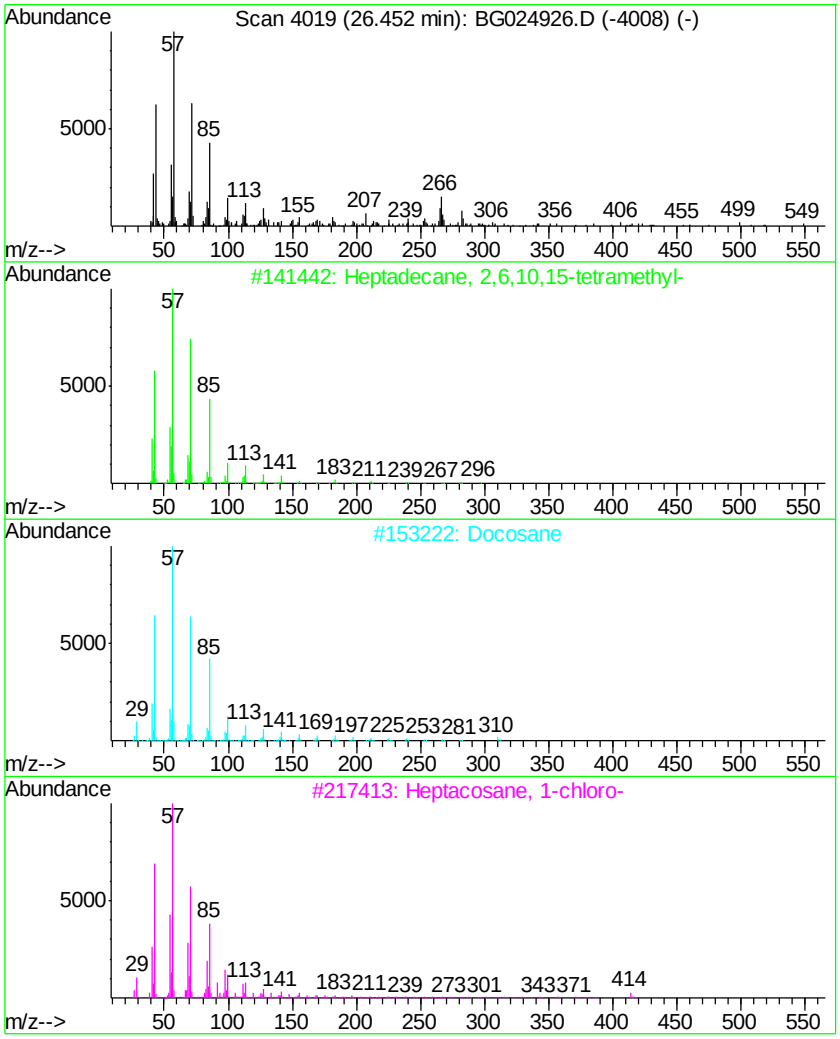
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

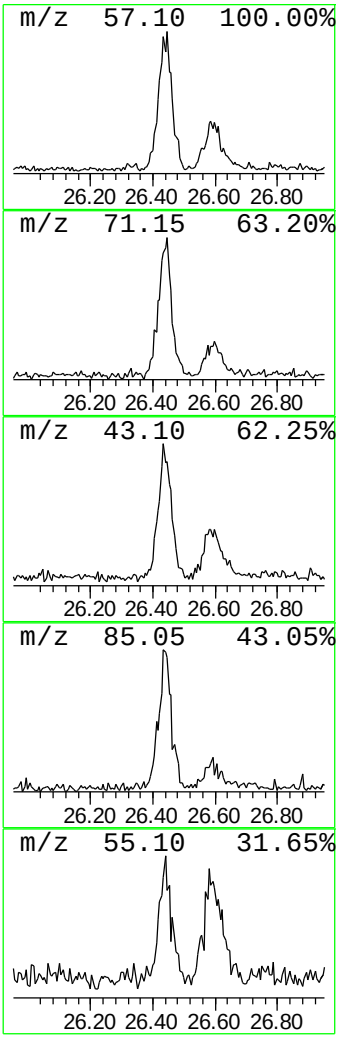
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.45	5.15 ng/ul	548805	Perylene-d12	25.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	95
2	Docosane	310	C22H46	000629-97-0	93
3	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	93
4	Docosane	310	C22H46	000629-97-0	89
5	Heneicosane	296	C21H44	000629-94-7	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

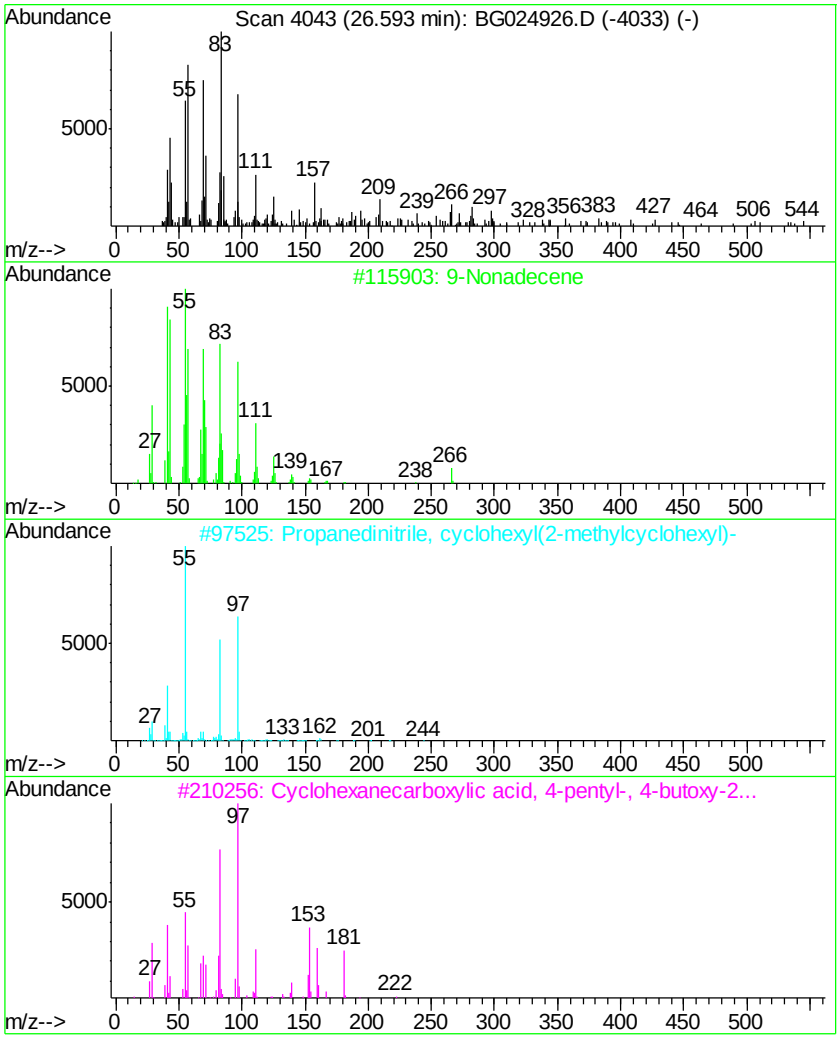
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

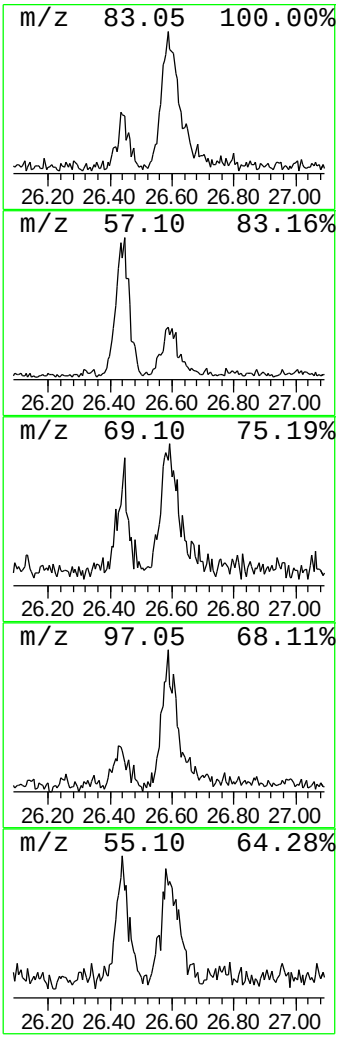
****

Peak Number 7 (DEL) Alkane: Cyclic26.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.59	3.85 ng/ul	410202	Perylene-d12	25.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Nonadecene	266	C19H38	031035-07-1	72
2	Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	64
3	Cyclohexanecarboxylic acid, 4-pe...	396	C24H32N2O3	075941-47-8	64
4	2-Propionyl-1-pyrroline	125	C7H11NO	1000298-55-4	38
5	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.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
Phenanthrene, 1-m...	18.53	2.1	ng/ul	206086	4	17.61	1915970	20.0
4H-Cyclopenta[def...	18.68	3.1	ng/ul	296337	4	17.61	1915970	20.0
Phenanthrene, 3,6...	19.38	2.1	ng/ul	204756	4	17.61	1915970	20.0
unknown-01	22.97	2.1	ng/ul	361620	5	21.90	3453650	20.0
(DEL) Alkane: Str...	26.45	5.2	ng/ul	548805	6	25.32	2131720	20.0
(DEL) Alkane: Cyc...	26.59	3.9	ng/ul	410202	6	25.32	2131720	20.0