LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023713.D
Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

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-BG080416.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	3.173	54	57	62	rVB5	10796	16977	0.68%	0.053%
2	3.484	105	110	118	rVV4	15470	26492	1.06%	0.082%
3	3.825	167	168	172	rBV4	3687	4146	0.17%	0.013%
4	4.013	196	200	206	rVB3	15052	25289	1.01%	0.078%
5	4.095	210	214	217	rBV4	4405	6350	0.25%	0.020%
6	4.236	236	238	246	rVB5	5655	9080	0.36%	0.028%
7	4.724	317	321	323	rVB2	4128	5308	0.21%	0.016%
8	4.794	331	333	337	rBV3	5630	6562	0.26%	0.020%
9	5.176	393	398	405	rVB	53843	87237	3.48%	0.271%
10	5.376	427	432	434	rBV3	4470	6414	0.26%	0.020%
11	5.787	499	502	506	rVB3	3663	4620	0.18%	0.014%
12	5.969	531	533	536	rBV3	3407	4873	0.19%	0.015%
13	6.040	543	545	548	rVB3	4057	4450	0.18%	0.014%
14	6.075	548	551	554	rBV3	4950	5641	0.22%	0.018%
15	6.615	642	643	646	rBV2	4870	4621	0.18%	0.014%
16	6.727	658	662	664	rBV5	3391	4376	0.17%	0.014%
17	6.821	677	678	683	rVB3	3567	4284	0.17%	0.013%
18	6.997	704	708	711	rVB6	3205	4751	0.19%	0.015%
19	7.115	724	728	730	rBV3	5160	6366	0.25%	0.020%
20	7.168	734	737	740	rVB4	4146	4311	0.17%	0.013%
21	7.267	747	754	764	rBV2	336996	646135	25.76%	2.005%
22	7.426	774	781	789	rBV	281158	464377	18.51%	1.441%
23	7.638	810	817	827	rBV	335126	601881	23.99%	1.868%
24	8.113	889	898	905	rBV	462122	802074	31.97%	2.489%
25	8.331	932	935	938	rVB3	4745	5835	0.23%	0.018%
26	8.824	1012	1019	1029	rBV2	395272	726819	28.97%	2.256%
27	9.147	1072	1074	1076	rBV2	5635	4748	0.19%	0.015%
28	9.288	1091	1098	1109	rBV	348130	643858	25.67%	1.998%
29	9.400	1112	1117	1118	rBV4	7485	9821	0.39%	0.030%
30	9.417	1118	1120	1122	rVB3	4999	4089	0.16%	0.013%
31	9.764	1177	1179	1182	rVB2	3857	4674	0.19%	0.015%
32	9.899	1196	1202	1203	rBV4	4263	5709	0.23%	0.018%
33	10.023	1216	1223	1231	rBV	300642	559477	22.30%	1.736%
34	10.310	1269	1272	1276	rVV4	3630	5160	0.21%	0.016%

LSC Area Percent Report

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Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

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-BG080416.M
Title : SVOA CALIBRATION

35	10.475	1295	1300	1302	rVB4	3570	4221	0.17%	0.013%
36	10.575	1309	1317	1328	rBV	410865	827964	33.00%	2.570%
37	10.810	1355	1357	1362	rVB4	3526	4540	0.18%	0.014%
38	10.951	1373	1381	1394	rBV	646797	1233136	49.15%	3.827%
39	11.086	1397	1404	1414	rBV	311309	616190	24.56%	1.912%
40	11.203	1422	1424	1429	rVB7	4578	4858	0.19%	0.015%
41	11.450	1462	1466	1467	rBV2	3006	4654	0.19%	0.014%
42	11.855	1532	1535	1536	rBV3	4896	5783	0.23%	0.018%
43	11.932	1546	1548	1552	rBV4	4584	5413	0.22%	0.017%
44	12.137	1580	1583	1586	rBV3	4993	4223	0.17%	0.013%
45	12.537	1646	1651	1655	rBV4	11171	16357	0.65%	0.051%
46	12.613	1659	1664	1665	rBV4	7350	9223	0.37%	0.029%
47	12.966	1720	1724	1726	rBV3	3504	4829	0.19%	0.015%
48	13.118	1747	1750	1752	rBV3	3993	6111	0.24%	0.019%
49	13.371	1789	1793	1798	rVB5	6548	9931	0.40%	0.031%
50	13.571	1825	1827	1829	rBV3	3457	4212	0.17%	0.013%
51	13.653	1837	1841	1848	rVB3	22905	40897	1.63%	0.127%
52	13.941	1887	1890	1891	rBV3	6674	6596	0.26%	0.020%
53	14.076	1911	1913	1914	rBV2	7609	5090	0.20%	0.016%
54	14.099	1914	1917	1922	rVV5	19241	33014	1.32%	0.102%
55	14.182	1922	1931	1935	rVV	842388	1278170	50.95%	3.967%
56	14.229	1935	1939	1945	rVV	402697	589633	23.50%	1.830%
57	14.334	1955	1957	1963	rVV7	8933	12434	0.50%	0.039%
58	14.481	1973	1982	1996	rBV	940365	1494854	59.59%	4.639%
59	14.652	2007	2011	2016	rBV2	31507	46815	1.87%	0.145%
60	14.787	2027	2034	2041	rVV2	1032643	1703892	67.92%	5.288%
61	15.010	2066	2072	2084	rBV	236435	549952	21.92%	1.707%
62	15.257	2110	2114	2120	rVB5	23228	40133	1.60%	0.125%
63	15.403	2134	2139	2142	rVB7	17969	26224	1.05%	0.081%
64	15.456	2145	2148	2153	rVB6	14231	16523	0.66%	0.051%
65	15.562	2162	2166	2170	rBV7	15773	28798	1.15%	0.089%
66	15.603	2170	2173	2178	rVB	70820	96859	3.86%	0.301%
67	15.668	2180	2184	2187	rVB5	12015	16861	0.67%	0.052%
68	15.738	2194	2196	2197	rBV2	6305	5154	0.21%	0.016%
69	15.785	2197	2204	2210	rVV	1171578	1831513	73.01%	5.684%
70	15.915	2220	2226	2235	rBV2	331540	528871	21.08%	1.641%
71	16.473	2317	2321	2324	rBV2	79124	111241	4.43%	0.345%

LSC Area Percent Report

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Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

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-BG080416.M
Title : SVOA CALIBRATION

72	16.819	2378	2380	2381	rBV2	13450	9839	0.39%	0.031%
73	17.195	2442	2444	2445	rBV2	14685	11694	0.47%	0.036%
74	17.272	2453	2457	2461	rBV	49146	63134	2.52%	0.196%
75	17.371	2470	2474	2478	rVB2	35369	50204	2.00%	0.156%
76	17.418	2478	2482	2489	rBV8	34116	56850	2.27%	0.176%
77	17.483	2491	2493	2498	rVV5	22920	26052	1.04%	0.081%
78	17.554	2499	2505	2509	rVV	1315654	1991394	79.38%	6.180%
79	17.595	2509	2512	2516	rVV	329067	454832	18.13%	1.412%
80	17.653	2516	2522	2532	rVB2	1168673	1865292	74.35%	5.789%
81	17.900	2562	2564	2567	rBV4	12828	15302	0.61%	0.047%
82	18.135	2601	2604	2612	rVB2	62016	96502	3.85%	0.299%
83	18.370	2638	2644	2648	rBV9	36108	68566	2.73%	0.213%
84	18.423	2648	2653	2659	rVV2	446584	734499	29.28%	2.279%
85	18.482	2659	2663	2668	rVB2	207812	322000	12.84%	0.999%
86	18.617	2682	2686	2690	rBV3	146769	250464	9.98%	0.777%
87	18.664	2691	2694	2699	rVB	126545	176260	7.03%	0.547%
88	18.922	2736	2738	2742	rVB3	55990	59534	2.37%	0.185%
89	19.222	2786	2789	2792	rBV	90162	105358	4.20%	0.327%
90	19.263	2793	2796	2801	rVB2	67793	88718	3.54%	0.275%
91	19.339	2805	2809	2814	rBV2	201973	304163	12.12%	0.944%
92	19.480	2830	2833	2839	rVB6	56746	107098	4.27%	0.332%
93	19.610	2850	2855	2861	rVB	464383	673468	26.85%	2.090%
94	19.692	2867	2869	2876	rVB5	104799	163186	6.50%	0.506%
95	19.944	2907	2912	2915	rBV	1483155	2183923	87.05%	6.778%
96	20.038	2925	2928	2933	rVB2	107042	155868	6.21%	0.484%
97	21.478	3169	3173	3180	rVB2	200108	309076	12.32%	0.959%
98	21.877	3234	3241	3246	rBV	1338732	2508684	100.00%	7.786%
99	25.049	3775	3781	3790	rVB2	574443	1426376	56.86%	4.427%
100	25.284	3814	3821	3832	rVB	663308	1991973	79.40%	6.182%

Sum of corrected areas: 32222283

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Acq On : 14 Aug 2016 7:04
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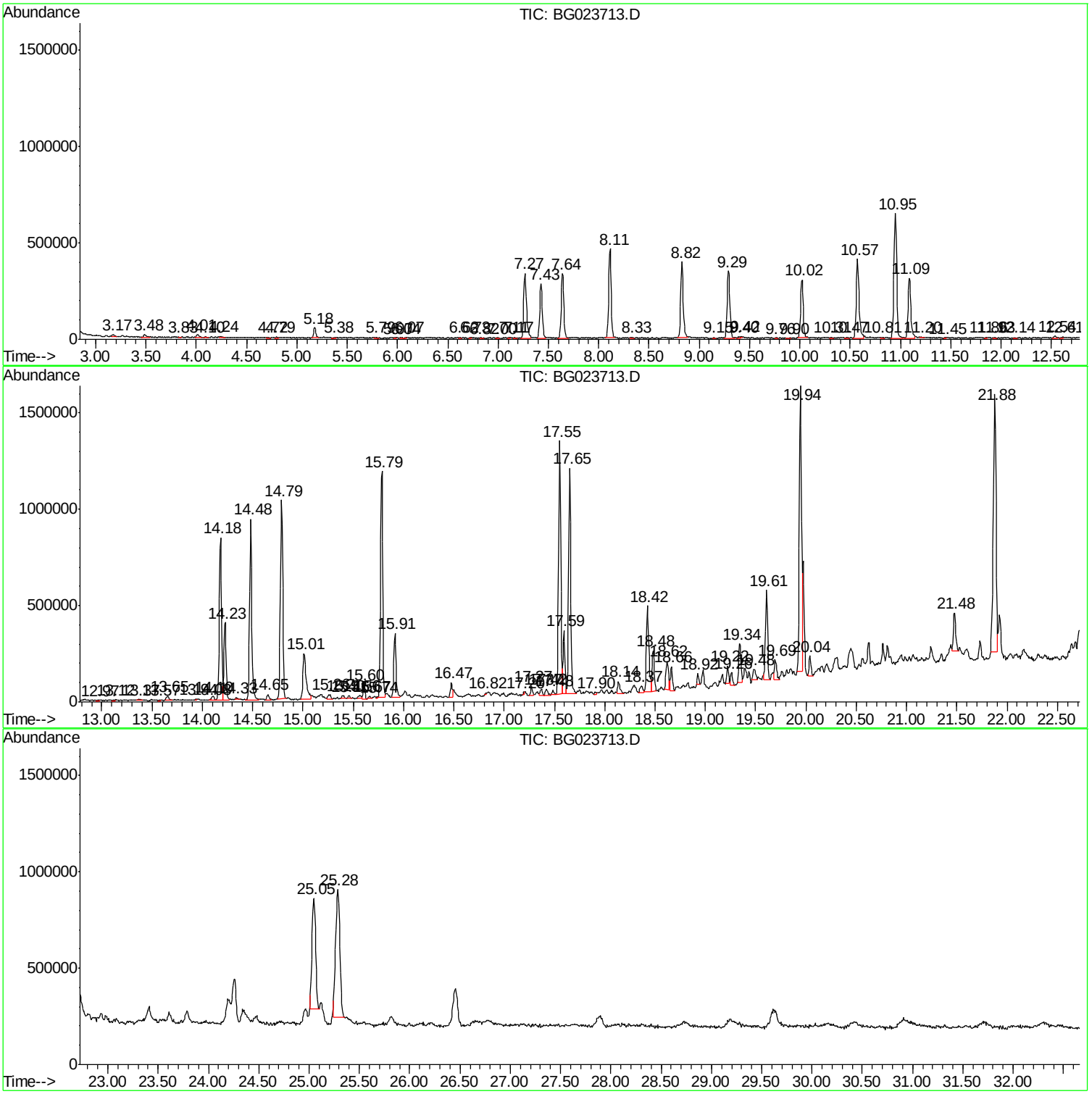
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS002-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

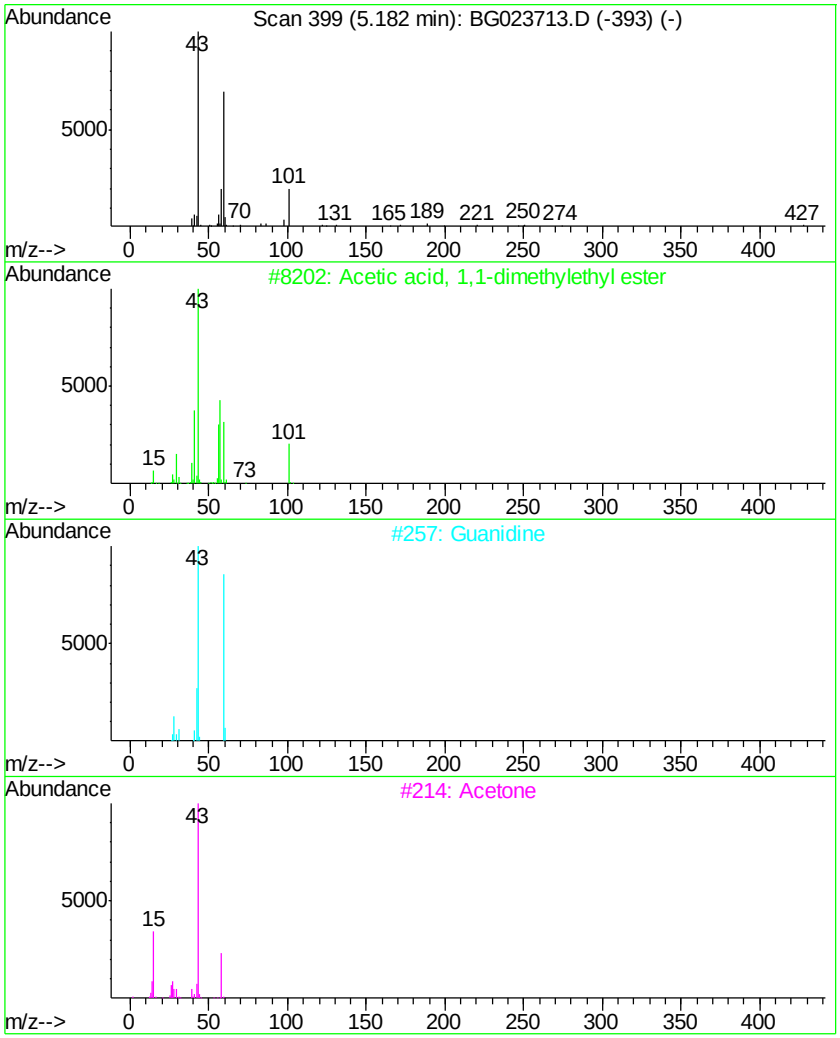
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

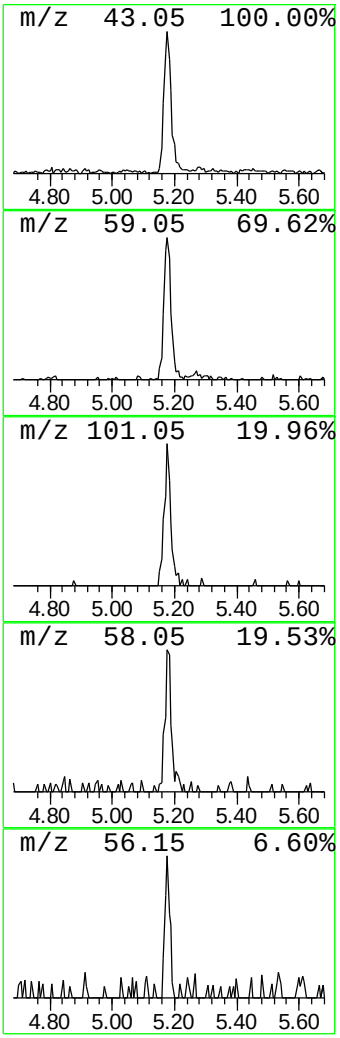
****

Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	2.18 ng/ul	87237	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
2	Guanidine	59	CH5N3	000113-00-8	9
3	Acetone	58	C3H6O	000067-64-1	9
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9
5	1,2-Butanediol	90	C4H10O2	000584-03-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023713.D
Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

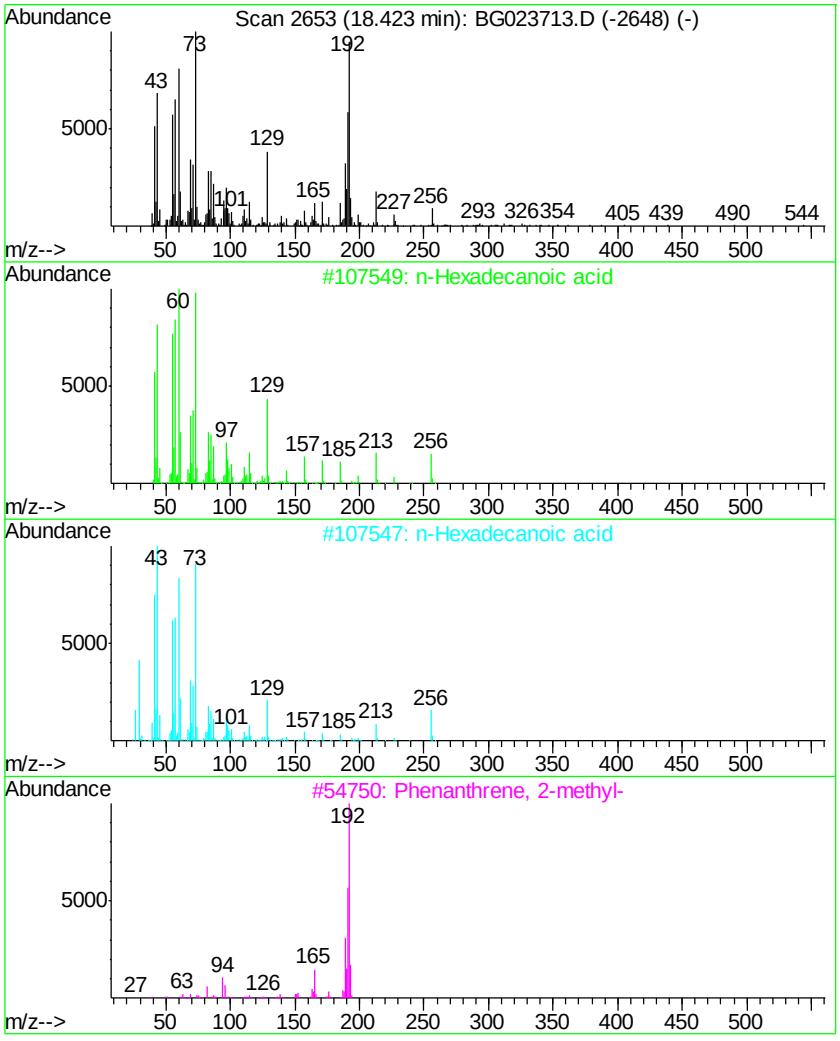
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

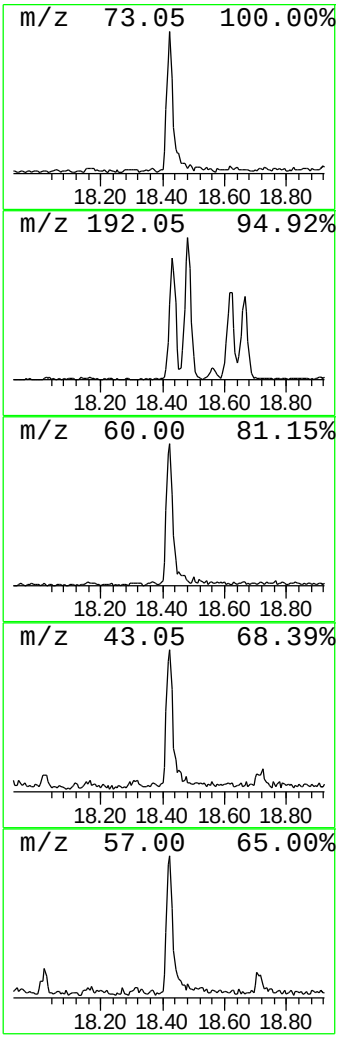
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	7.38 ng/ul	734499	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023713.D
Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

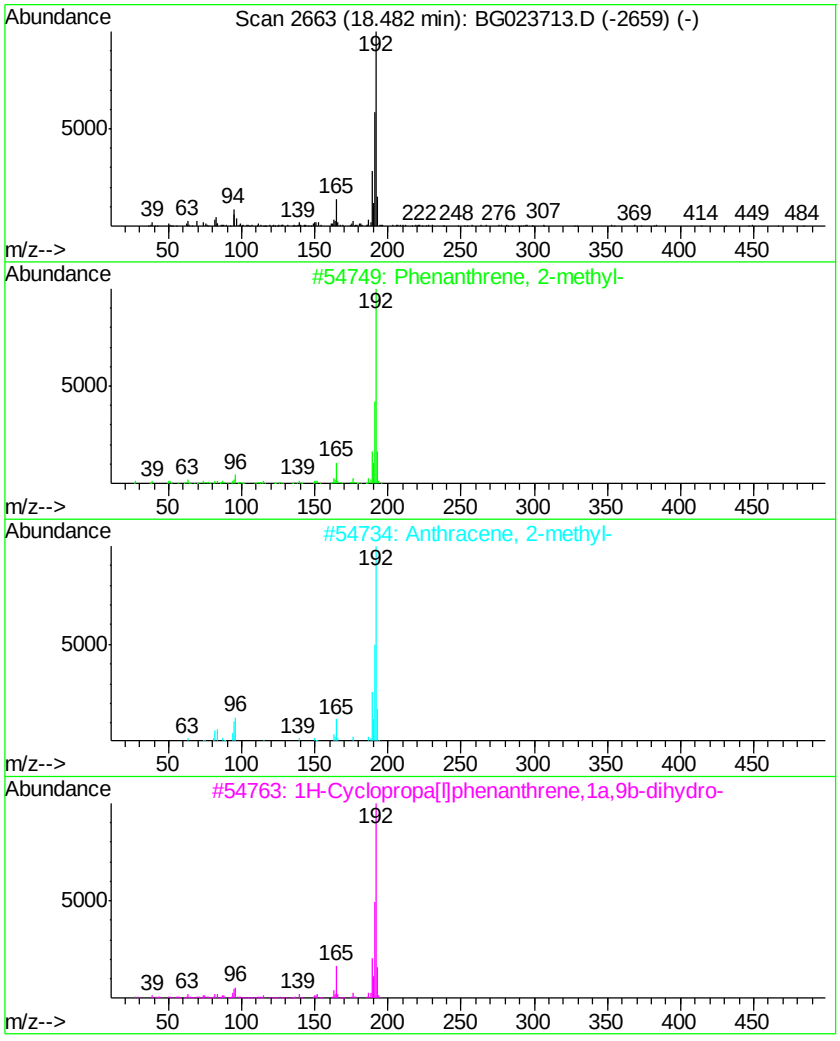
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

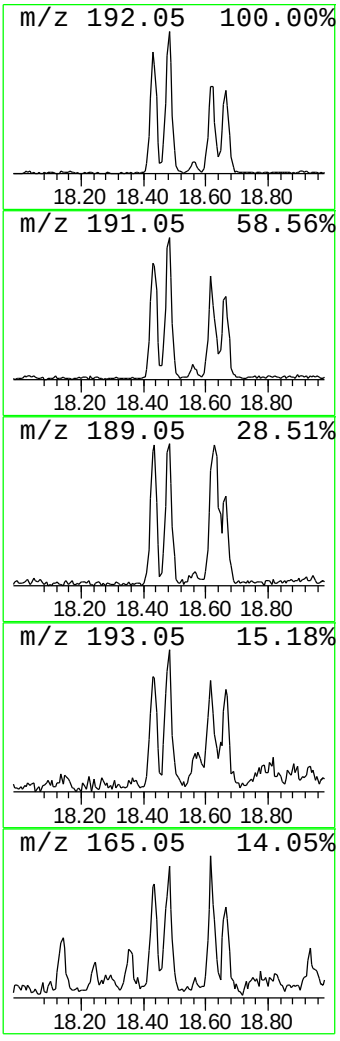
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	3.23 ng/ul	322000	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023713.D
Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

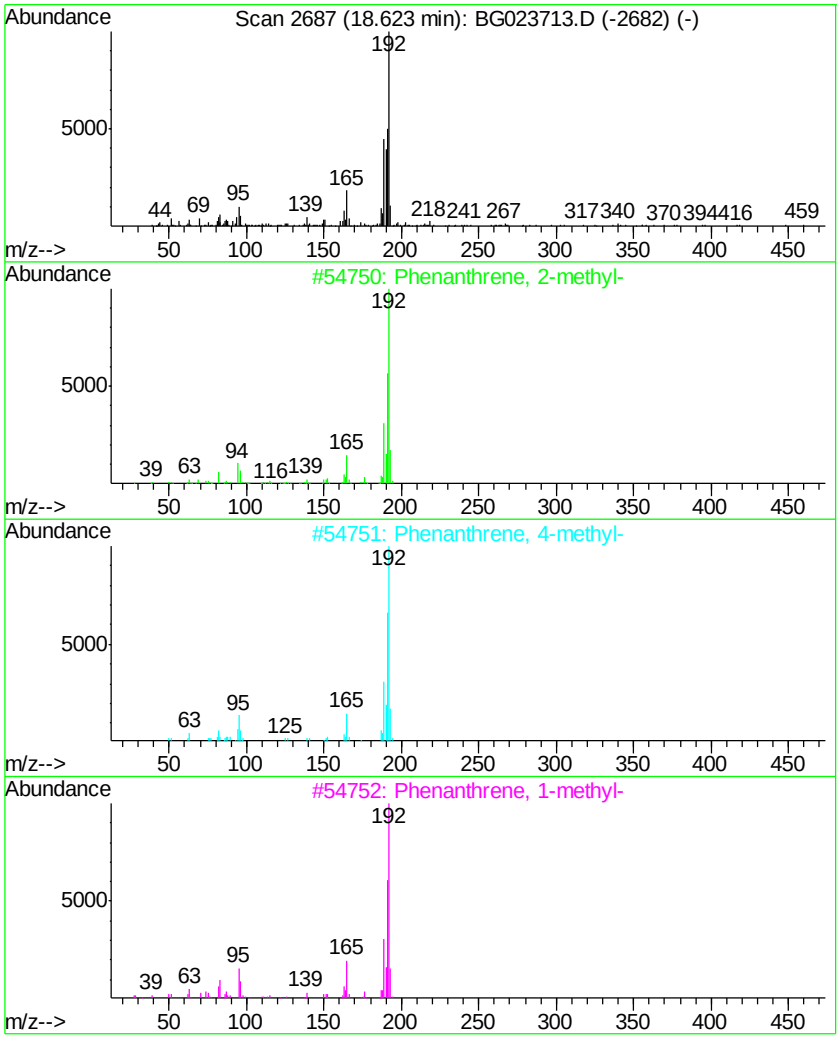
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

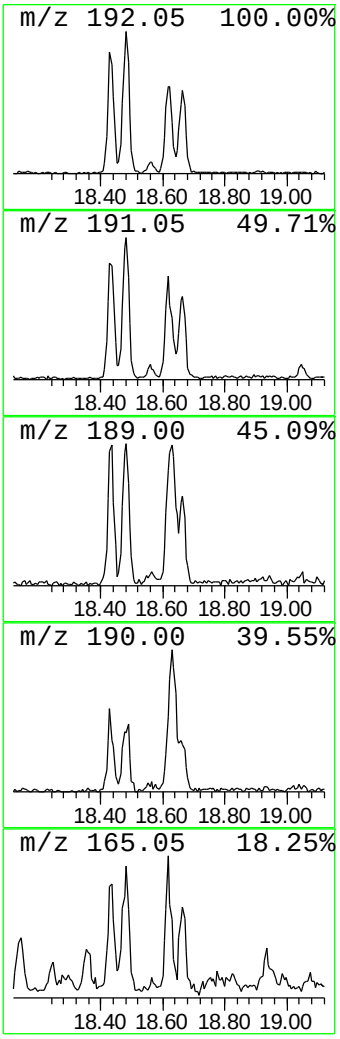
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.52 ng/ul	250464	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023713.D
Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

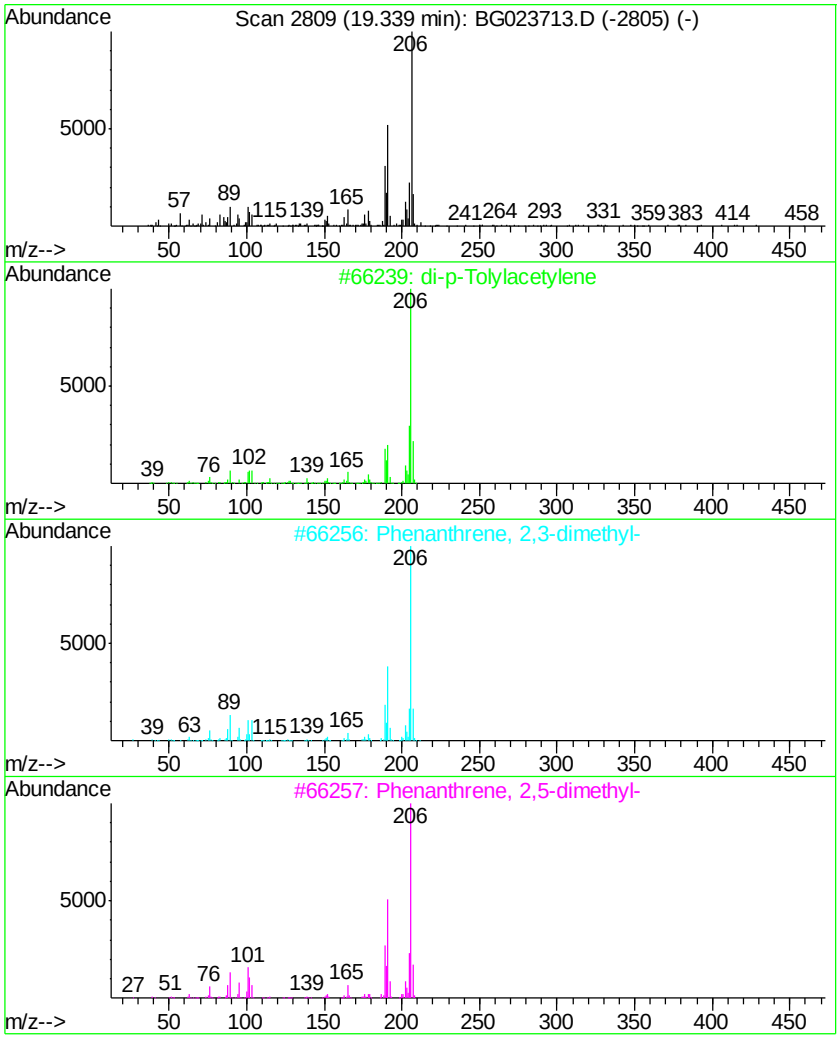
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

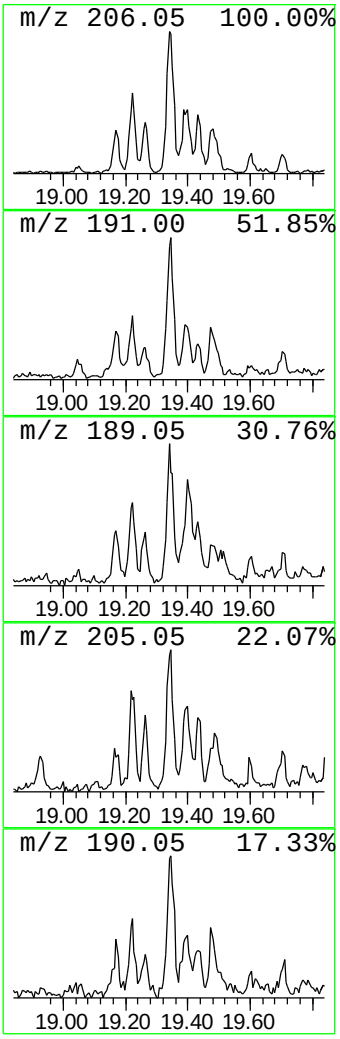
****

Peak Number 6 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	3.05 ng/ul	304163	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023713.D
Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

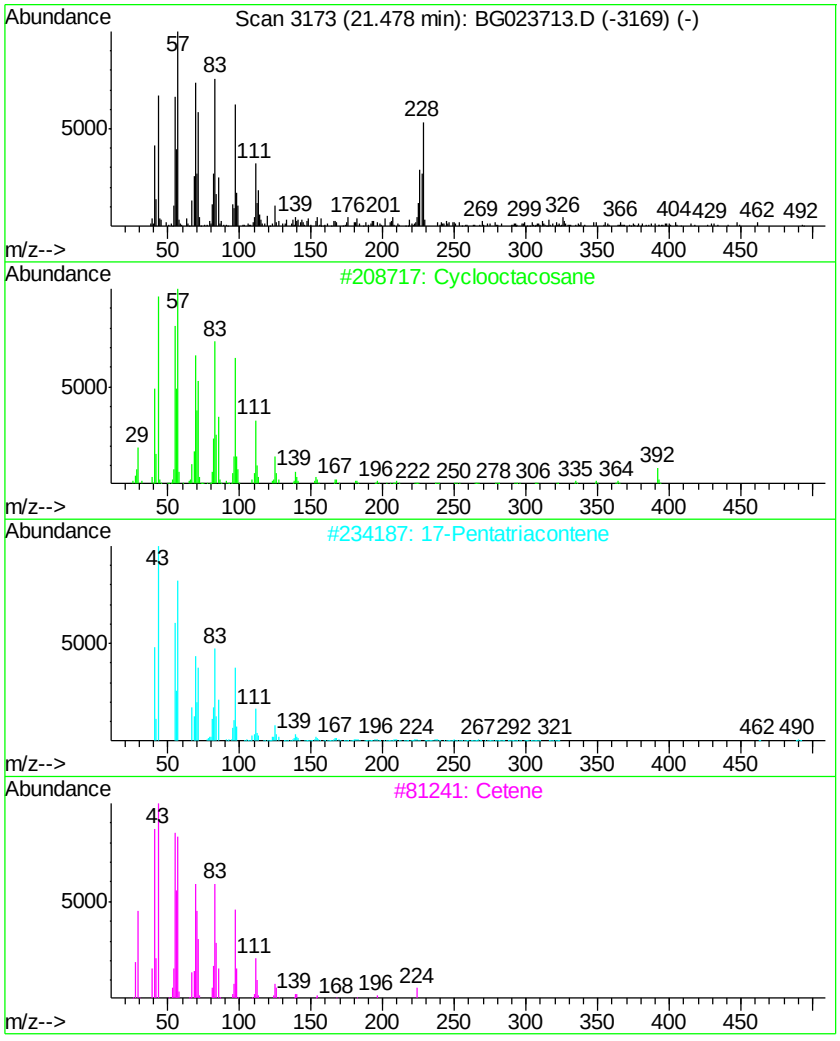
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

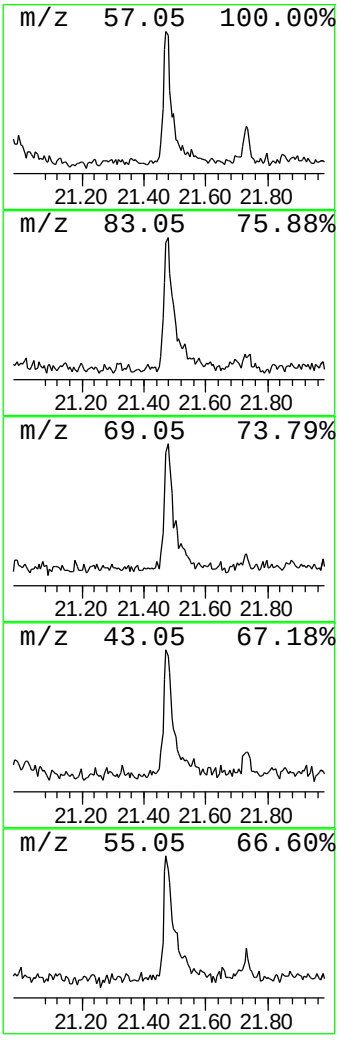
****

Peak Number 7 (DEL) Alkane: Cyclic21.48 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.48	2.46 ng/ul	309076	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctacosane	392	C28H56	000297-24-5	74
2	17-Pentatriacontene	491	C35H70	006971-40-0	74
3	Cetene	224	C16H32	000629-73-2	64
4	Cyclohexadecane	224	C16H32	000295-65-8	60
5	Nickel, bis(phosphoramidous difl...	404	F10H4N2NiP4	053150-34-8	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023713.D
Acq On : 14 Aug 2016 7:04
Operator : UM/SJ
Sample : H4388-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS002-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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
unknown-01	5.18	2.2	ng/ul	87237	1	8.11	802074	20.0
n-Hexadecanoic acid	18.42	7.4	ng/ul	734499	4	17.55	1991390	20.0
Phenanthrene, 2-m...	18.48	3.2	ng/ul	322000	4	17.55	1991390	20.0
Phenanthrene, 4-m...	18.62	2.5	ng/ul	250464	4	17.55	1991390	20.0
di-p-Tolylacetylene	19.34	3.0	ng/ul	304163	4	17.55	1991390	20.0
(DEL) Alkane: Cyc...	21.48	2.5	ng/ul	309076	5	21.88	2508680	20.0