LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

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-BG081816.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	3.463	102	106	116	rVB5	20415	39635	1.07%	0.093%
2	4.561	291	293	297	rBV5	4645	6724	0.18%	0.016%
3	4.596	297	299	303	rVB5	5343	7220	0.19%	0.017%
4	6.135	560	561	568	rVB6	4866	8093	0.22%	0.019%
5	6.506	620	624	626	rVB4	3915	5642	0.15%	0.013%
6	6.541	626	630	633	rBV5	4947	7369	0.20%	0.017%
7	6.570	633	635	639	rVV4	5663	6693	0.18%	0.016%
8	6.605	639	641	648	rVB5	4883	8948	0.24%	0.021%
9	6.699	655	657	659	rBV2	7951	8746	0.24%	0.021%
10	6.958	697	701	705	rBV4	4099	5840	0.16%	0.014%
11	7.252	742	751	766	rBV	515790	984354	26.56%	2.314%
12	7.410	769	778	786	rBV	411869	698279	18.84%	1.641%
13	7.575	803	806	808	rBV4	5003	6768	0.18%	0.016%
14	7.622	808	814	826	rVB	496868	875347	23.62%	2.058%
15	8.021	877	882	883	rBV4	3960	5905	0.16%	0.014%
16	8.092	888	894	906	rVB	327234	595170	16.06%	1.399%
17	8.603	977	981	984	rBV4	3740	4941	0.13%	0.012%
18	8.808	1008	1016	1025	rBV	632812	1134314	30.61%	2.667%
19	9.196	1078	1082	1086	rVB4	4816	6075	0.16%	0.014%
20	9.272	1088	1095	1108	rBV	497968	895005	24.15%	2.104%
21	9.402	1115	1117	1119	rBV3	4323	5061	0.14%	0.012%
22	10.001	1211	1219	1230	rBV	438052	815207	22.00%	1.916%
23	10.336	1273	1276	1279	rBV4	2855	5119	0.14%	0.012%
24	10.553	1305	1313	1327	rBV	596141	1169685	31.56%	2.750%
25	10.929	1370	1377	1385	rBV	472596	867827	23.42%	2.040%
26	11.070	1391	1401	1414	rBV	560683	1094799	29.54%	2.574%
27	11.751	1514	1517	1519	rBV4	4529	5115	0.14%	0.012%
28	11.928	1542	1547	1550	rBV5	10374	13497	0.36%	0.032%
29	12.186	1588	1591	1592	rBV3	6594	5106	0.14%	0.012%
30	12.427	1629	1632	1633	rBV2	6455	5832	0.16%	0.014%
31	12.456	1633	1637	1643	rVB6	11762	22832	0.62%	0.054%
32	12.521	1643	1648	1652	rBV4	12805	22952	0.62%	0.054%
33	12.950	1716	1721	1722	rBV4	5018	6157	0.17%	0.014%
34	13.114	1744	1749	1754	rVB6	7168	11885	0.32%	0.028%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

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-BG081816.M
Title : SVOA CALIBRATION

35	13.267	1772	1775	1780	rVB4	12978	19153	0.52%	0.045%
36	13.349	1786	1789	1795	rVB4	7196	10038	0.27%	0.024%
37	13.561	1821	1825	1828	rBV5	6608	9261	0.25%	0.022%
38	13.637	1833	1838	1844	rBV5	33692	59429	1.60%	0.140%
39	13.731	1851	1854	1858	rVB4	5467	8073	0.22%	0.019%
40	13.807	1865	1867	1870	rVB4	4682	5046	0.14%	0.012%
41	13.925	1883	1887	1890	rBV4	3180	5771	0.16%	0.014%
42	14.025	1901	1904	1907	rBV5	9085	10046	0.27%	0.024%
43	14.166	1921	1928	1932	rBV	1270518	1864672	50.31%	4.383%
44	14.213	1932	1936	1943	rVB	884783	1271429	34.31%	2.989%
45	14.260	1943	1944	1946	rBV2	7301	5173	0.14%	0.012%
46	14.336	1955	1957	1961	rBV3	7126	5194	0.14%	0.012%
47	14.377	1961	1964	1968	rBV5	4419	5526	0.15%	0.013%
48	14.459	1971	1978	1985	rBV	1261752	2044797	55.17%	4.807%
49	14.571	1993	1997	1998	rBV4	5528	6633	0.18%	0.016%
50	14.630	2004	2007	2012	rVB4	22495	32983	0.89%	0.078%
51	14.771	2024	2031	2043	rBV2	774818	1292772	34.88%	3.039%
52	14.912	2051	2055	2057	rBV4	5058	6778	0.18%	0.016%
53	14.988	2062	2068	2080	rBV2	395377	858640	23.17%	2.018%
54	15.317	2122	2124	2128	rVB3	5247	5068	0.14%	0.012%
55	15.587	2165	2170	2174	rBV2	39915	50147	1.35%	0.118%
56	15.764	2193	2200	2209	rBV	1754062	2695119	72.72%	6.336%
57	15.893	2217	2222	2232	rBV	552206	856727	23.12%	2.014%
58	16.004	2233	2241	2246	rVB8	33016	65079	1.76%	0.153%
59	16.380	2303	2305	2308	rBV4	8298	9076	0.24%	0.021%
60	16.457	2313	2318	2321	rBV	42897	67164	1.81%	0.158%
61	16.797	2373	2376	2379	rBV4	11269	12928	0.35%	0.030%
62	17.021	2413	2414	2417	rBV3	6908	6450	0.17%	0.015%
63	17.250	2449	2453	2456	rBV4	24265	31494	0.85%	0.074%
64	17.291	2459	2460	2461	rBV	8545	5685	0.15%	0.013%
65	17.526	2494	2500	2507	rBV	1088576	1721587	46.45%	4.047%
66	17.632	2511	2518	2529	rVB2	1962580	3073557	82.93%	7.225%
67	18.401	2644	2649	2658	rBV2	198713	299729	8.09%	0.705%
68	18.483	2659	2663	2668	rVB4	58365	84916	2.29%	0.200%
69	18.812	2714	2719	2724	rBV9	21549	41581	1.12%	0.098%
70	18.989	2744	2749	2758	rVB	1887493	2631259	71.00%	6.185%
71	19.094	2764	2767	2770	rBV4	18960	19501	0.53%	0.046%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

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-BG081816.M
Title : SVOA CALIBRATION

72	19.271	2790	2797	2799	rBV7	14614	31902	0.86%	0.075%
73	19.312	2801	2804	2807	rVV5	15046	19498	0.53%	0.046%
74	19.623	2853	2857	2861	rBV	147103	199083	5.37%	0.468%
75	19.664	2861	2864	2872	rVV3	73480	98988	2.67%	0.233%
76	19.811	2886	2889	2894	rVB3	30738	35230	0.95%	0.083%
77	19.923	2901	2908	2916	rVB	2530341	3706029	100.00%	8.712%
78	20.352	2976	2981	2986	rBV	176449	224898	6.07%	0.529%
79	20.416	2989	2992	2996	rVB2	108061	116119	3.13%	0.273%
80	21.438	3161	3166	3181	rBV	738102	1074457	28.99%	2.526%
81	21.844	3229	3235	3243	rVB2	1162157	1913438	51.63%	4.498%
82	22.637	3364	3370	3376	rBV	775354	1215226	32.79%	2.857%
83	23.729	3551	3556	3566	rVB4	133675	274384	7.40%	0.645%
84	24.199	3630	3636	3647	rVB2	256077	547821	14.78%	1.288%
85	24.986	3762	3770	3782	rVB2	967868	2778581	74.97%	6.532%
86	25.221	3802	3810	3821	rVB2	571363	1743083	47.03%	4.098%

Sum of corrected areas: 42539360

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
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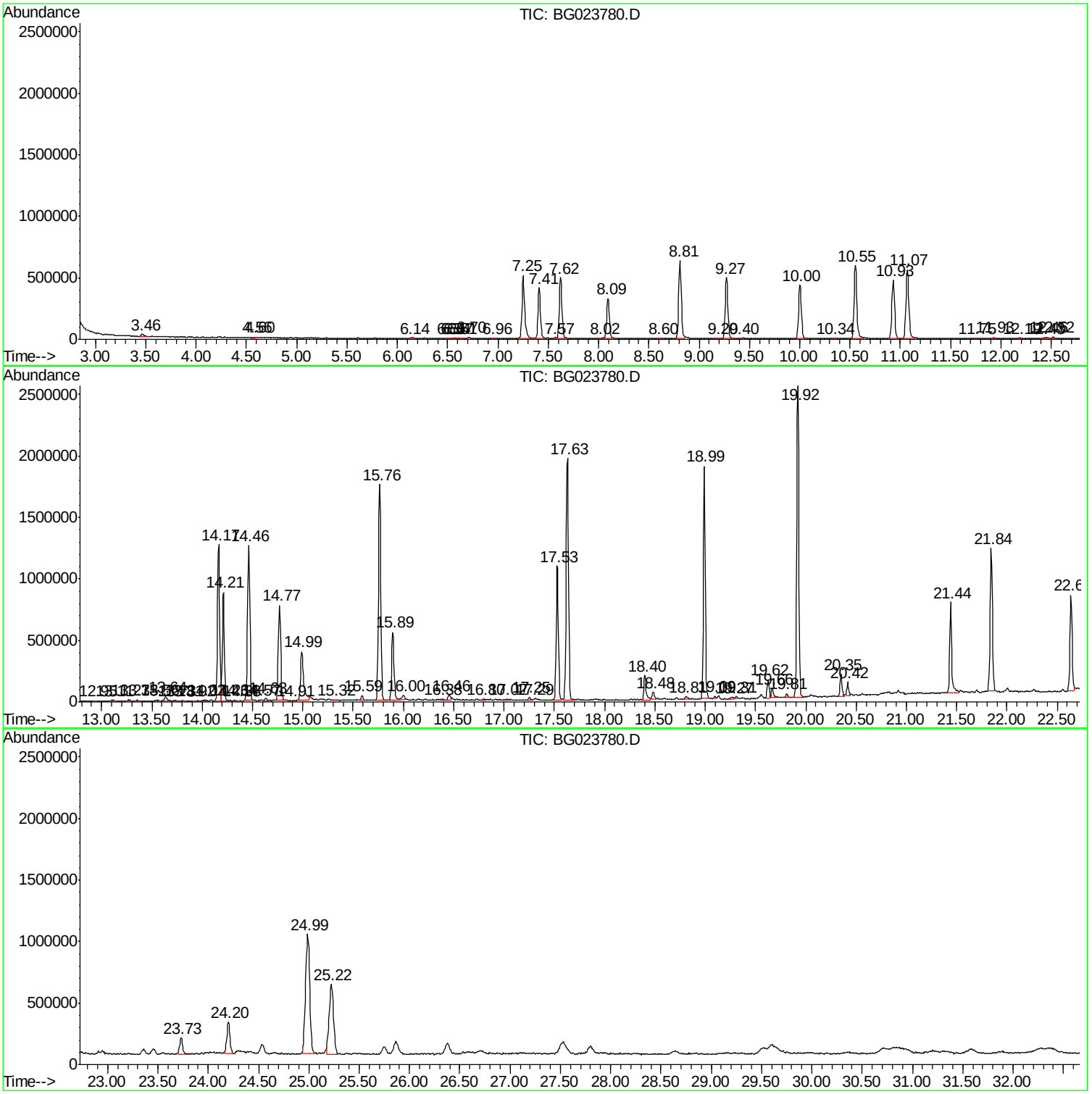
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

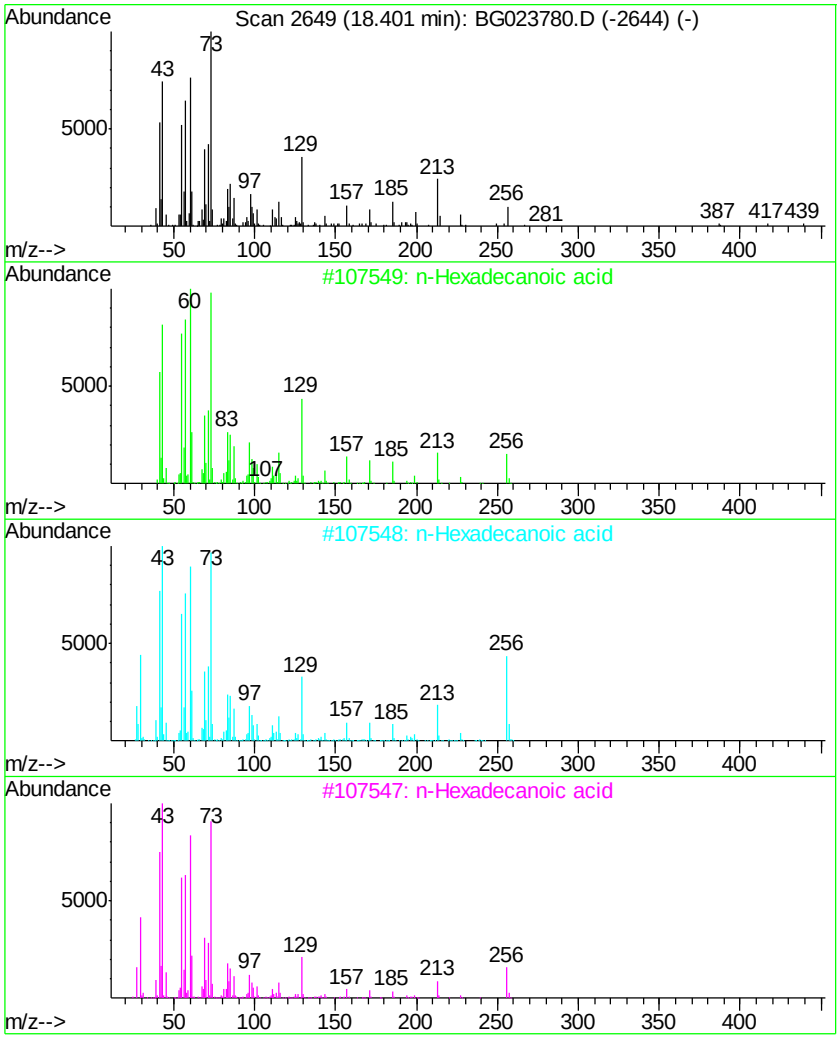
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

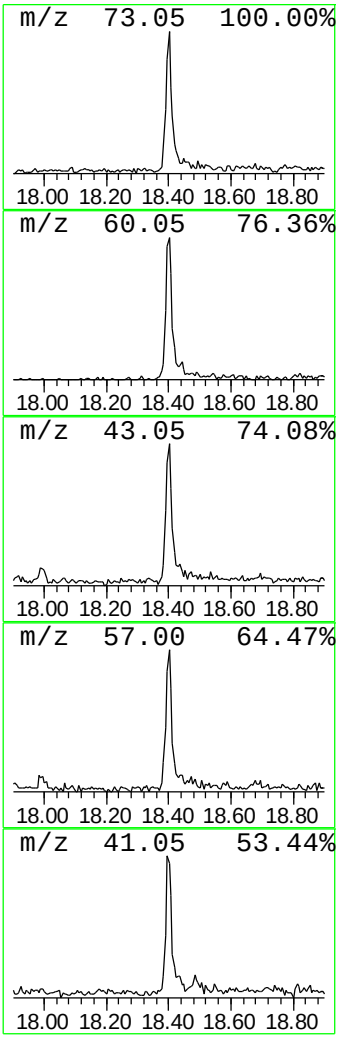
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	3.48 ng/ul	299729	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

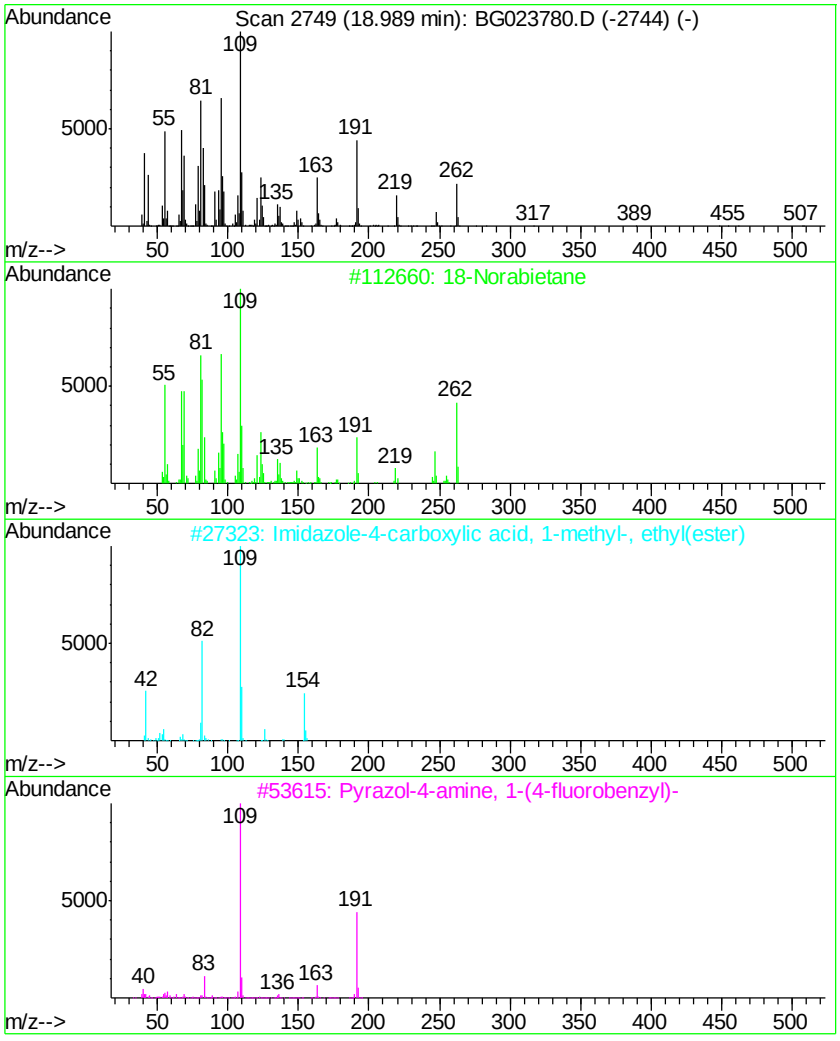
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

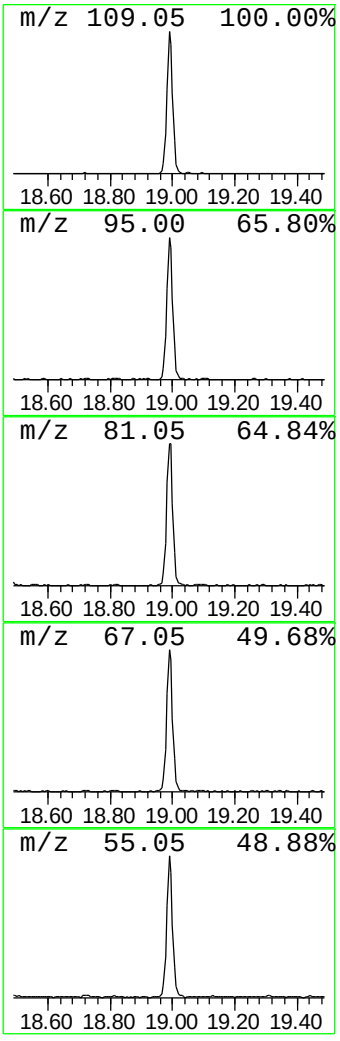
****

Peak Number 2 18-Norabietane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	30.57 ng/ul	2631260	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	86
2	Imidazole-4-carboxylic acid, 1-m...	154	C7H10N2O2	041507-56-6	35
3	Pyrazol-4-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-9	35
4	1-(1-Butynyl)cyclopentanol	138	C9H14O	1000342-86-5	35
5	7-Octadecyne, 2-methyl-	264	C19H36	035354-38-2	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

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

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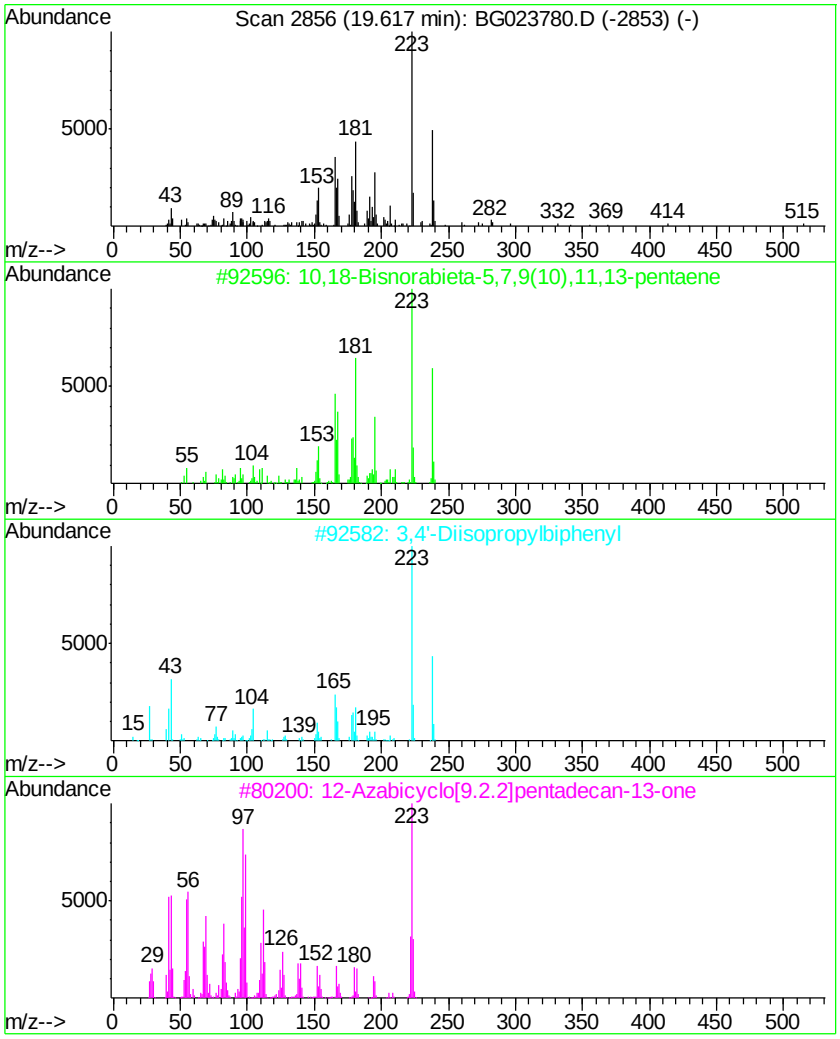
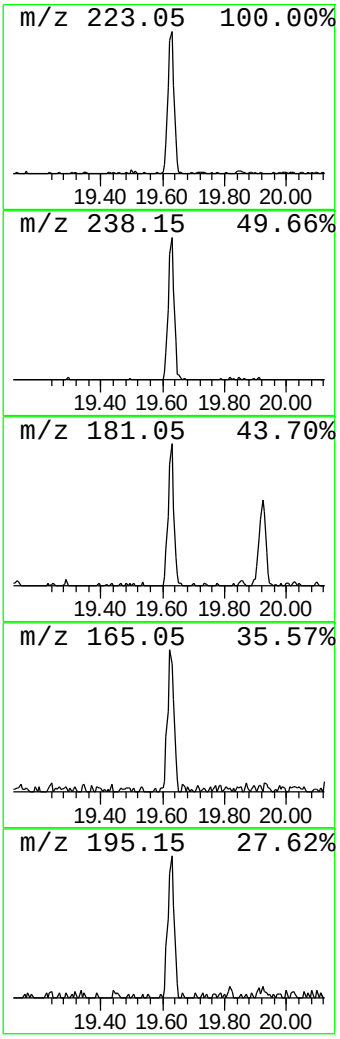
Peak Number 3 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.31 ng/ul	199083	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	93
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	70
3	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	64
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	43
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	41





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

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

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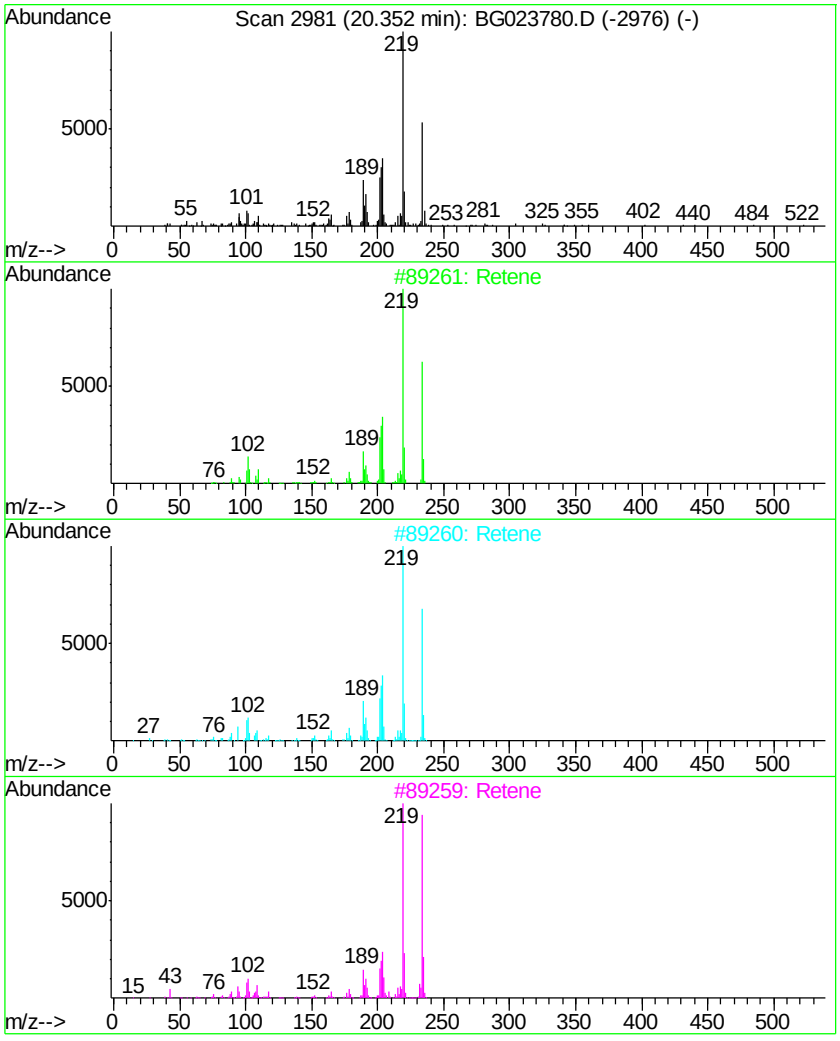
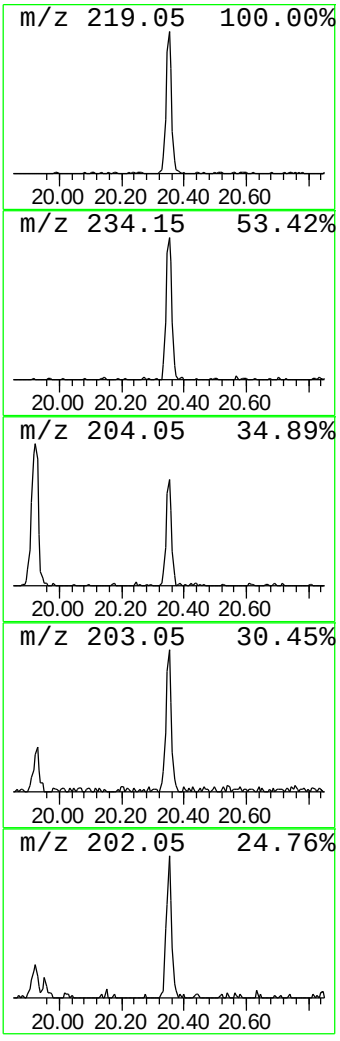
Peak Number 4 Retene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	2.35 ng/ul	224898	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	95
2	Retene	234	C18H18	000483-65-8	95
3	Retene	234	C18H18	000483-65-8	94
4	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

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

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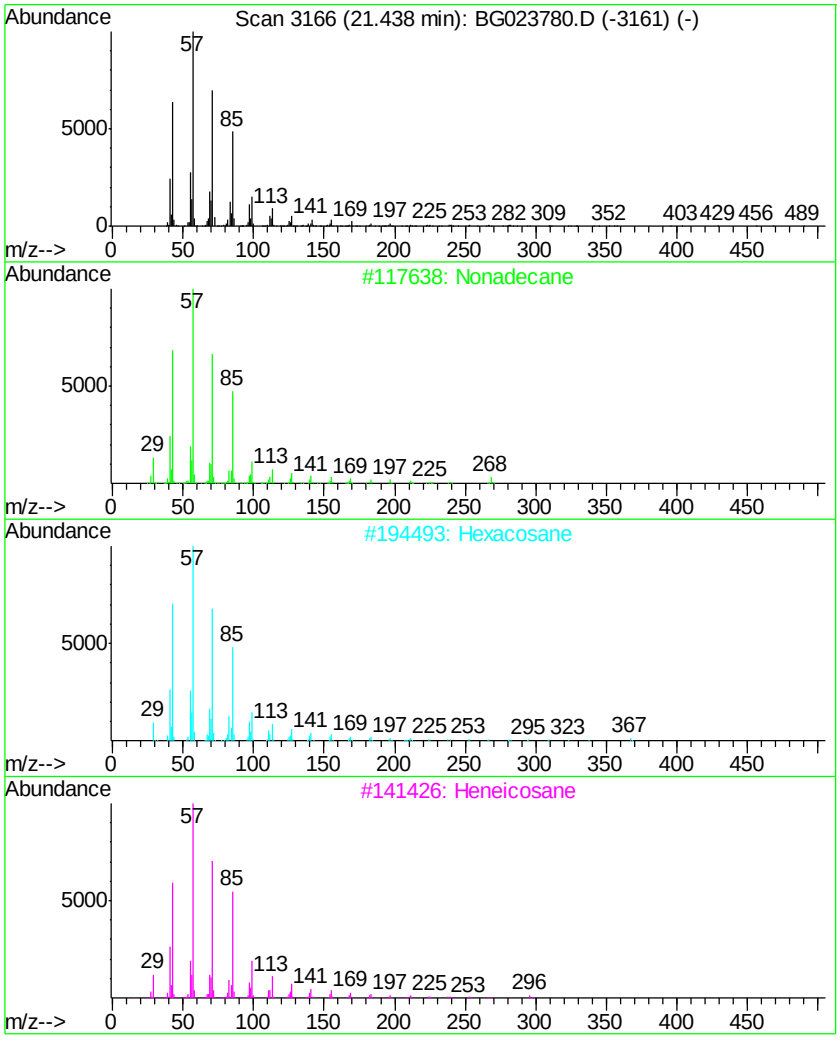
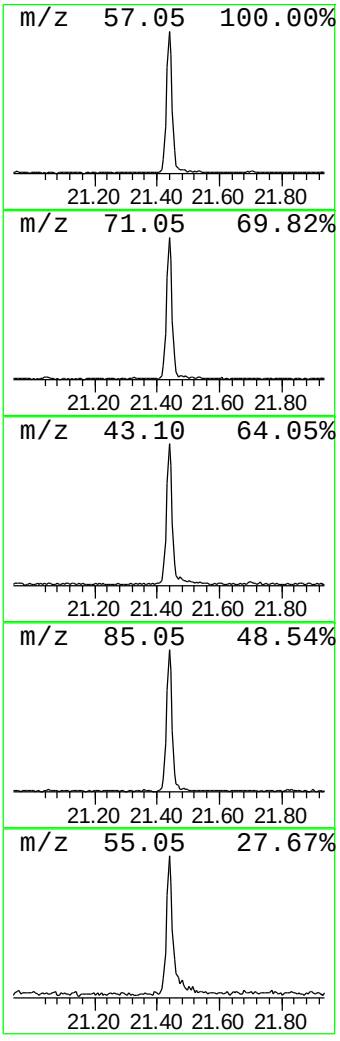
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	11.23 ng/ul	1074460	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heneicosane	296	C21H44	000629-94-7	87
5	Heptadecane	240	C17H36	000629-78-7	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

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

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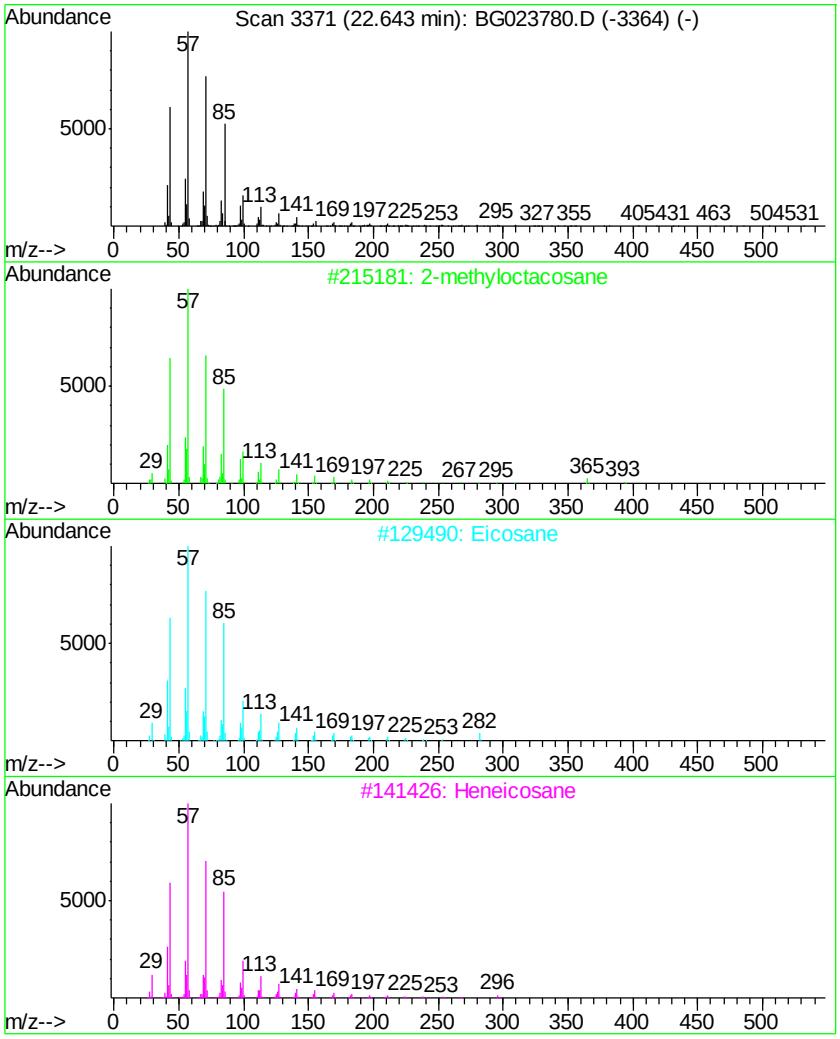
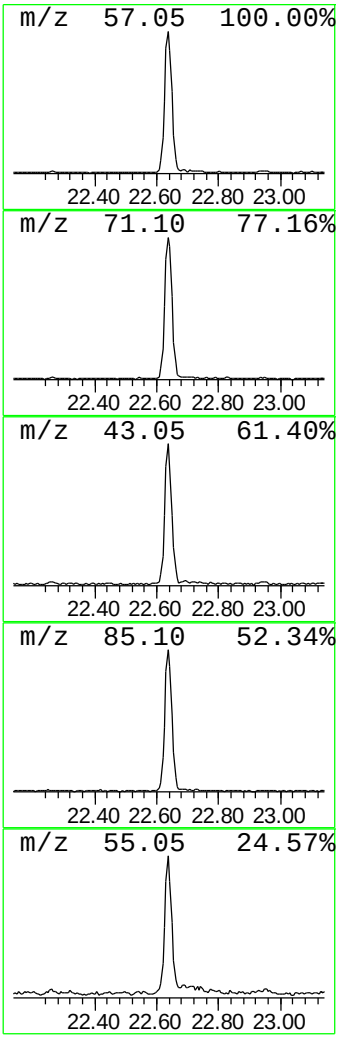
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	12.70 ng/ul	1215230	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	91





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Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

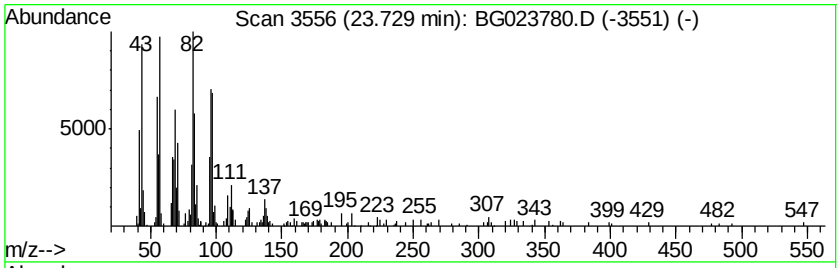
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

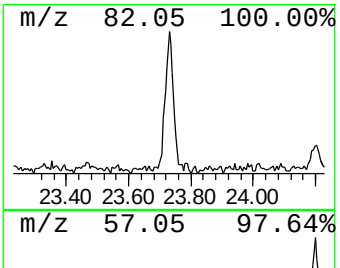
****

Peak Number 7 (DEL) Alkane: Cyclic23.73 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.73	3.15 ng/ul	274384	Perylene-d12	25.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-didecyl-	364	C26H52	055334-20-8	64
2	Ecgonine methyl ester	199	C10H17NO3	106293-60-1	49
3	17-Pentatriacontene	491	C35H70	006971-40-0	49
4	7-Azabicyclo[4.1.0]heptane, 1-me...	111	C7H13N	025022-25-7	49
5	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION

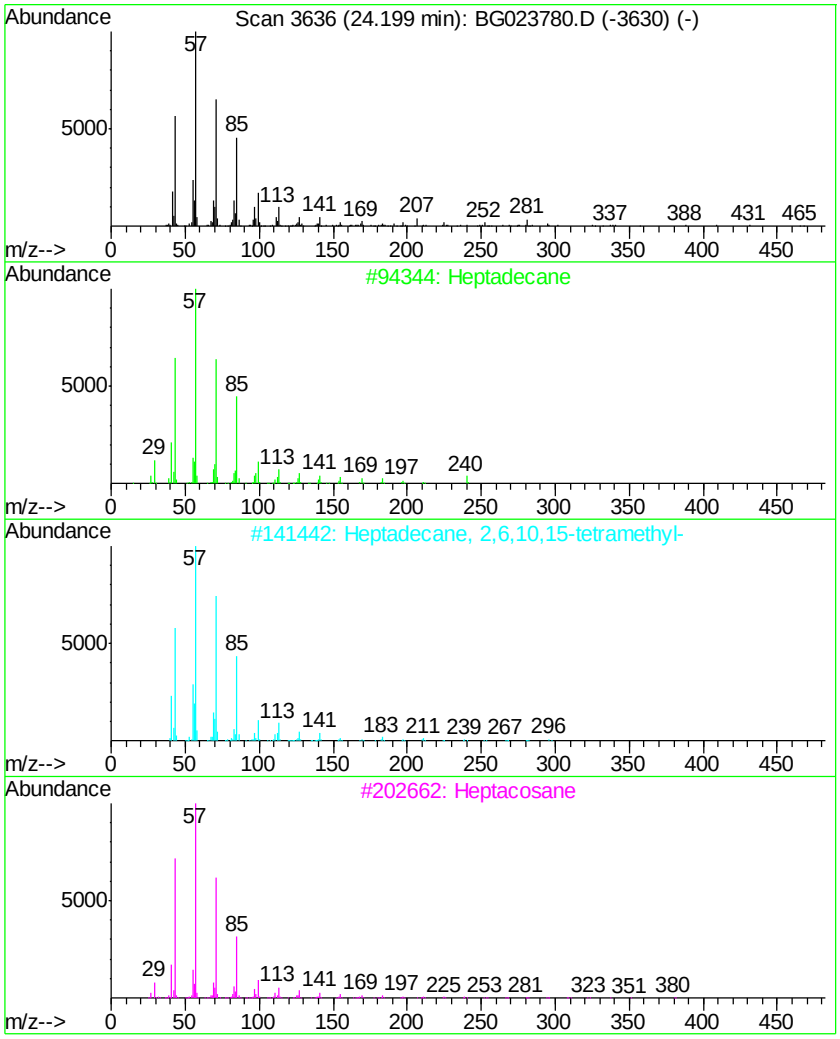
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

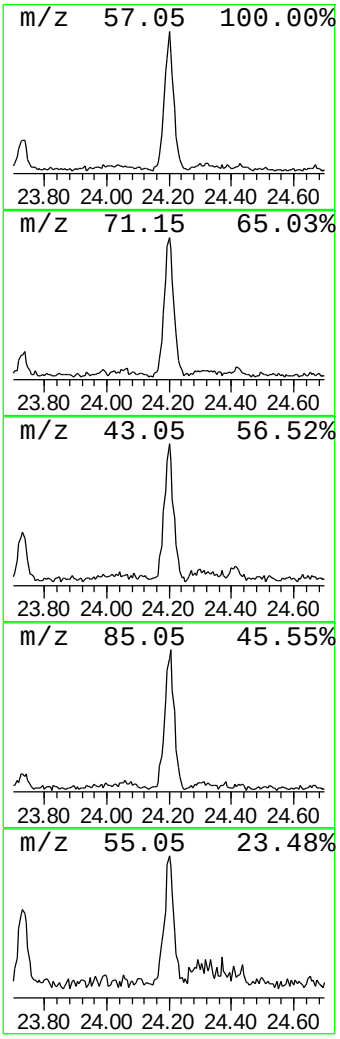
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	6.29 ng/ul	547821	Perylene-d12	25.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3	Heptacosane	380	C27H56	000593-49-7	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081816\
Data File : BG023780.D
Acq On : 19 Aug 2016 5:12
Operator : UM/SJ
Sample : H4492-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHPS7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.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
n-Hexadecanoic acid	18.40	3.5	ng/ul	299729	4	17.53	1721590	20.0
18-Norabietane	18.99	30.6	ng/ul	2631260	4	17.53	1721590	20.0
10,18-Bisnorabiet...	19.62	2.3	ng/ul	199083	4	17.53	1721590	20.0
Retene	20.35	2.4	ng/ul	224898	5	21.84	1913440	20.0
(DEL) Alkane: Str...	21.44	11.2	ng/ul	1074460	5	21.84	1913440	20.0
(DEL) Alkane: Str...	22.64	12.7	ng/ul	1215230	5	21.84	1913440	20.0
(DEL) Alkane: Cyc...	23.73	3.1	ng/ul	274384	6	25.22	1743080	20.0
(DEL) Alkane: Str...	24.20	6.3	ng/ul	547821	6	25.22	1743080	20.0