LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_M\METHODS\SOM02.2-EPA-BM081116.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	6.975	736	746	758	rBV	1364430	2382956	26.56%	1.661%
2	7.145	768	775	786	rBV	1061764	1604356	17.88%	1.118%
3	7.345	800	809	818	rBV	1413913	2319863	25.86%	1.617%
4	7.810	881	888	895	rBV	1348441	2164444	24.12%	1.508%
5	8.504	999	1006	1015	rBV	1577442	2522319	28.11%	1.758%
6	8.963	1077	1084	1093	rVB	1322406	2181540	24.31%	1.520%
7	9.680	1198	1206	1219	rBV	1118730	1888585	21.05%	1.316%
8	10.210	1288	1296	1304	rBV	1694043	2910438	32.44%	2.028%
9	10.592	1354	1361	1368	rBV	1779415	3105217	34.61%	2.164%
10	10.727	1377	1384	1394	rBV	1369770	2369281	26.41%	1.651%
11	13.757	1890	1899	1904	rBV	81508	144026	1.61%	0.100%
12	13.851	1909	1915	1919	rVV	2923744	4160697	46.37%	2.900%
13	13.898	1919	1923	1931	rVB	3151426	4293421	47.85%	2.992%
14	14.133	1952	1963	1979	rBV	3219564	5445924	60.70%	3.796%
15	14.345	1993	1999	2004	rBV	105351	141894	1.58%	0.099%
16	14.439	2004	2015	2022	rBV2	2594879	4112336	45.83%	2.866%
17	14.627	2041	2047	2060	rBV	1250770	1892508	21.09%	1.319%
18	15.057	2112	2120	2125	rBV4	71522	195146	2.17%	0.136%
19	15.298	2157	2161	2167	rVB2	216174	311621	3.47%	0.217%
20	15.433	2175	2184	2190	rBV	4199289	6170593	68.77%	4.301%
21	15.545	2198	2203	2211	rVB	1079379	1483957	16.54%	1.034%
22	15.704	2220	2230	2234	rBV4	80058	215170	2.40%	0.150%
23	15.927	2260	2268	2276	rVB6	58498	157615	1.76%	0.110%
24	16.156	2302	2307	2319	rBV	288482	493895	5.50%	0.344%
25	16.492	2356	2364	2368	rBV6	95955	219023	2.44%	0.153%
26	16.951	2438	2442	2446	rVB2	114518	147556	1.64%	0.103%
27	16.998	2446	2450	2459	rVB	154461	268357	2.99%	0.187%
28	17.180	2475	2481	2485	rBV	3212335	4820533	53.73%	3.360%
29	17.221	2485	2488	2493	rVB	1063696	1415546	15.78%	0.987%
30	17.280	2493	2498	2503	rBV2	4300887	6295663	70.17%	4.388%
31	17.374	2509	2514	2519	rBV2	83169	166279	1.85%	0.116%
32	17.568	2543	2547	2559	rVV7	82377	211439	2.36%	0.147%
33	17.686	2564	2567	2573	rVV3	93224	198461	2.21%	0.138%
34	17.762	2575	2580	2585	rVB	191887	272193	3.03%	0.190%

LSC Area Percent Report

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Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

35	17.903	2600	2604	2610	rVB	108691	202425	2.26%	0.141%
36	18.056	2625	2630	2632	rBV	563434	815911	9.09%	0.569%
37	18.103	2635	2638	2645	rVV	730911	1013082	11.29%	0.706%
38	18.186	2648	2652	2656	rVV	191259	280647	3.13%	0.196%
39	18.245	2657	2662	2666	rVV2	647916	1205489	13.44%	0.840%
40	18.286	2666	2669	2675	rVB	457700	629736	7.02%	0.439%
41	18.374	2680	2684	2687	rBV3	104990	168898	1.88%	0.118%
42	18.450	2693	2697	2702	rVB2	135548	194695	2.17%	0.136%
43	18.556	2710	2715	2718	rBV2	244258	338916	3.78%	0.236%
44	18.592	2718	2721	2733	rVB2	236783	550557	6.14%	0.384%
45	18.774	2749	2752	2754	rBV2	122067	169508	1.89%	0.118%
46	18.803	2754	2757	2761	rVV	257811	334409	3.73%	0.233%
47	18.850	2761	2765	2769	rVV	392256	529026	5.90%	0.369%
48	18.892	2769	2772	2776	rVB	329389	435212	4.85%	0.303%
49	18.974	2781	2786	2790	rBV	910303	1372307	15.29%	0.956%
50	19.027	2790	2795	2799	rVV3	369029	738060	8.23%	0.514%
51	19.068	2799	2802	2805	rVB	278659	336096	3.75%	0.234%
52	19.109	2805	2809	2816	rBV3	358560	703757	7.84%	0.490%
53	19.239	2823	2831	2837	rVB	1966672	2704924	30.15%	1.885%
54	19.303	2837	2842	2845	rBV	211251	315722	3.52%	0.220%
55	19.339	2845	2848	2853	rBV3	132324	272964	3.04%	0.190%
56	19.386	2853	2856	2860	rVB2	197727	247535	2.76%	0.173%
57	19.480	2869	2872	2875	rBV2	139822	148107	1.65%	0.103%
58	19.515	2875	2878	2882	rVB4	168523	221844	2.47%	0.155%
59	19.574	2882	2888	2891	rBV	5687047	8746841	97.49%	6.096%
60	19.603	2891	2893	2901	rVB	2509699	3090825	34.45%	2.154%
61	19.680	2901	2906	2911	rVB2	523329	813476	9.07%	0.567%
62	19.839	2929	2933	2939	rVB4	237718	422013	4.70%	0.294%
63	19.921	2942	2947	2958	rBV6	455044	1249577	13.93%	0.871%
64	20.015	2959	2963	2966	rVV2	153884	232975	2.60%	0.162%
65	20.062	2966	2971	2973	rVV3	371686	672097	7.49%	0.468%
66	20.091	2973	2976	2980	rVB	599995	835828	9.32%	0.583%
67	20.168	2985	2989	2990	rBV3	126261	157808	1.76%	0.110%
68	20.191	2990	2993	2997	rVB	278849	324316	3.61%	0.226%
69	20.250	2999	3003	3008	rVV	691000	935871	10.43%	0.652%
70	20.391	3023	3027	3031	rBV	625062	764177	8.52%	0.533%
71	20.439	3031	3035	3038	rVV	510714	660487	7.36%	0.460%

LSC Area Percent Report

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Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

72	20.474	3039	3041	3049	rVB3	202900	317720	3.54%	0.221%
73	20.556	3052	3055	3059	rVB4	152664	212499	2.37%	0.148%
74	20.650	3068	3071	3073	rBV3	114532	149393	1.67%	0.104%
75	20.756	3086	3089	3092	rBV4	122717	148368	1.65%	0.103%
76	20.839	3100	3103	3110	rVB2	446640	717900	8.00%	0.500%
77	20.933	3115	3119	3122	rVB	217493	284350	3.17%	0.198%
78	20.986	3124	3128	3129	rBV	320864	398441	4.44%	0.278%
79	21.009	3129	3132	3135	rVV2	445897	580821	6.47%	0.405%
80	21.044	3136	3138	3140	rVV	204791	185309	2.07%	0.129%
81	21.074	3140	3143	3149	rVV3	700808	935566	10.43%	0.652%
82	21.362	3184	3192	3195	rBV2	5376674	8972408	100.00%	6.253%
83	21.397	3195	3198	3207	rVB	1497843	2050677	22.86%	1.429%
84	21.474	3208	3211	3215	rVB3	265159	347161	3.87%	0.242%
85	21.515	3215	3218	3222	rBV4	198621	363424	4.05%	0.253%
86	21.721	3250	3253	3262	rVB3	247440	438445	4.89%	0.306%
87	21.856	3273	3276	3279	rBV	211050	273511	3.05%	0.191%
88	21.915	3279	3286	3291	rVV	766514	1373691	15.31%	0.957%
89	21.968	3291	3295	3301	rVV2	620167	941813	10.50%	0.656%
90	22.115	3316	3320	3323	rBV	391205	525196	5.85%	0.366%
91	22.427	3370	3373	3378	rBV4	213970	391607	4.36%	0.273%
92	22.950	3456	3462	3466	rBV2	1132681	2427080	27.05%	1.692%
93	22.991	3467	3469	3474	rVB	852143	1063924	11.86%	0.741%
94	23.121	3488	3491	3497	rVB	247758	401597	4.48%	0.280%
95	23.438	3539	3545	3548	rBV	708040	1346466	15.01%	0.938%
96	23.491	3548	3554	3559	rVV2	4367067	8708665	97.06%	6.069%
97	23.532	3559	3561	3569	rVB	1255949	1820484	20.29%	1.269%
98	23.632	3571	3578	3584	rBV	3432888	6714834	74.84%	4.680%
99	24.191	3668	3673	3680	rVB2	366130	698537	7.79%	0.487%
100	25.926	3962	3968	3976	rVB2	457401	1174492	13.09%	0.819%

Sum of corrected areas: 143483349

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
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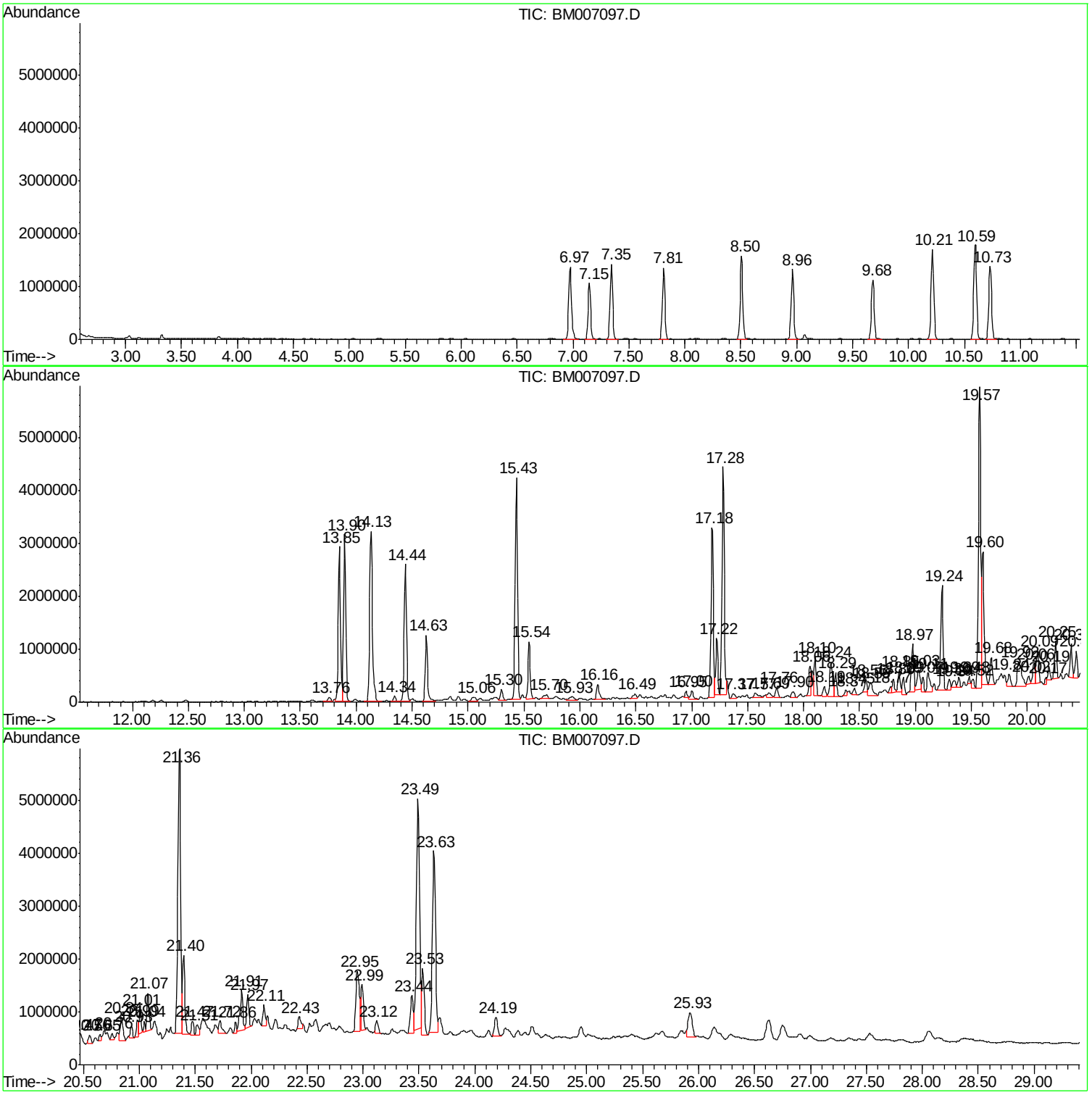
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
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Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

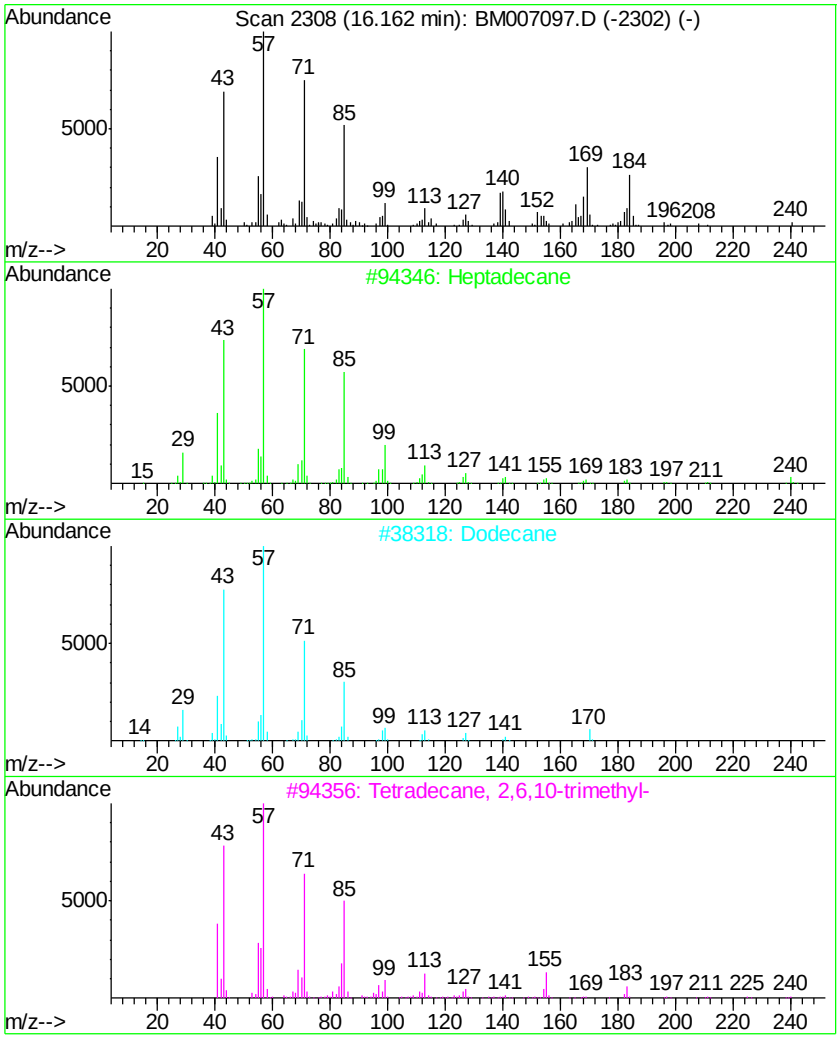
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

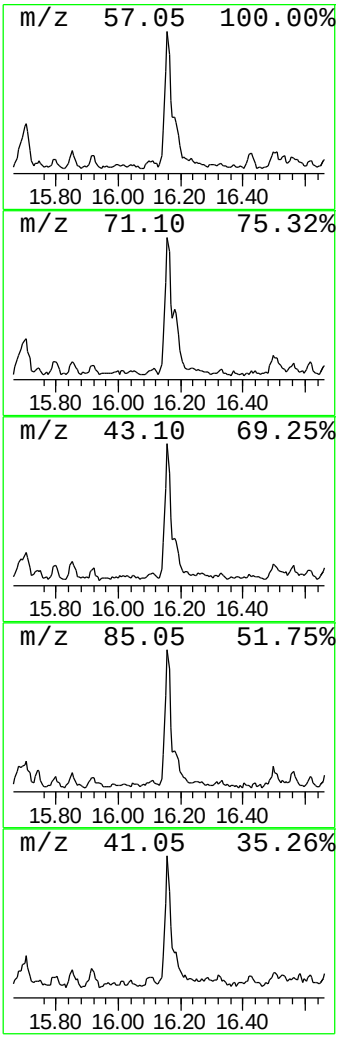
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.05 ng/ul	493895	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Dodecane	170	C12H26	000112-40-3	83
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64
4	Tridecane	184	C13H28	000629-50-5	62
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

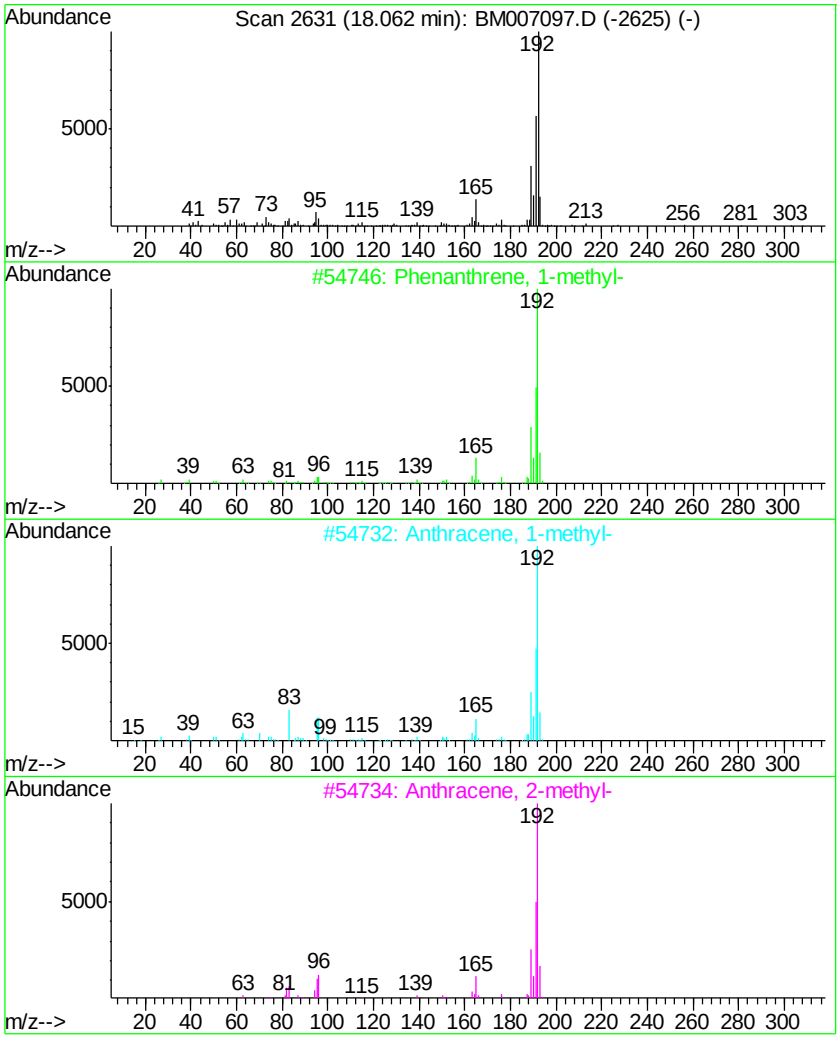
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

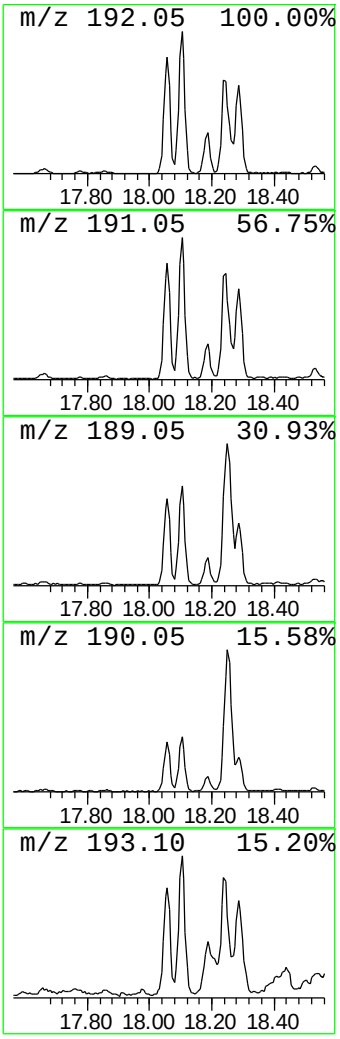
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	3.39 ng/ul	815911	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
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Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

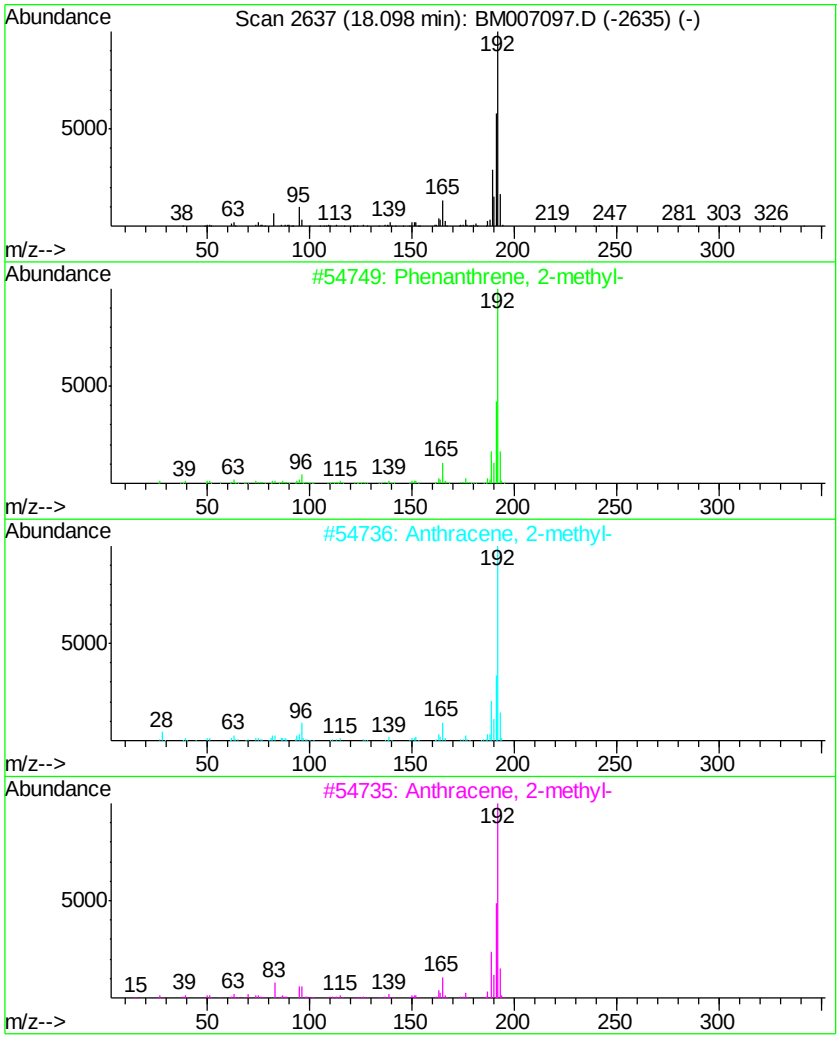
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

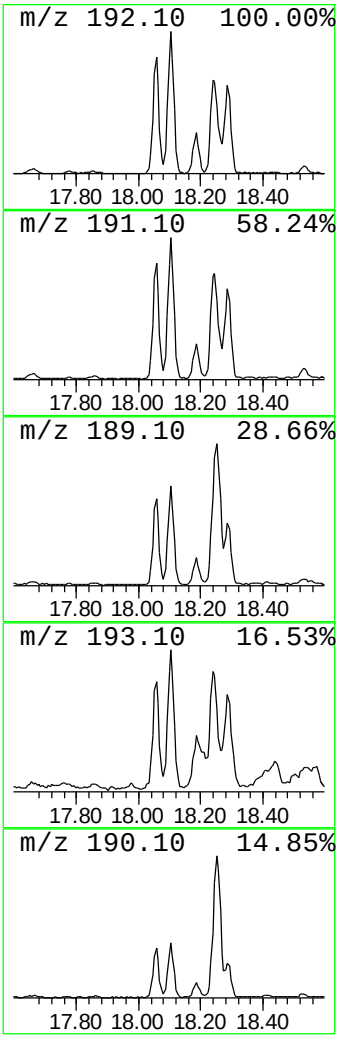
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	4.20 ng/ul	1013080	Phenanthrene-d10	17.18

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

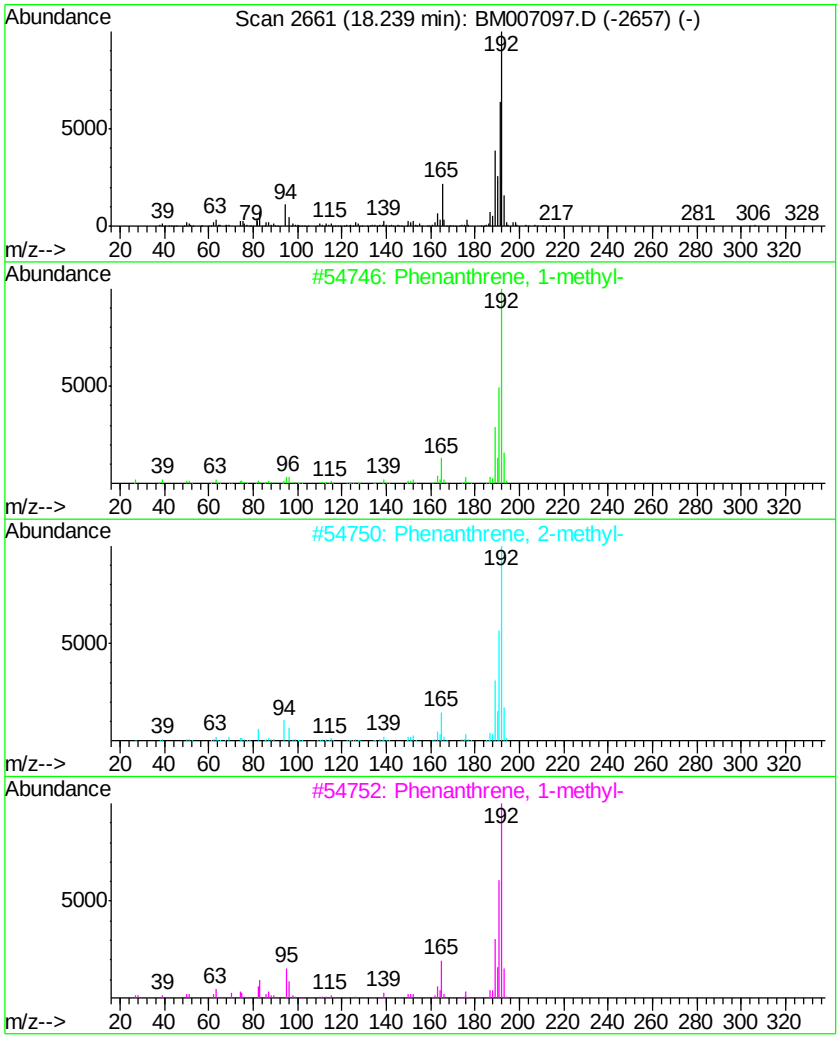
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

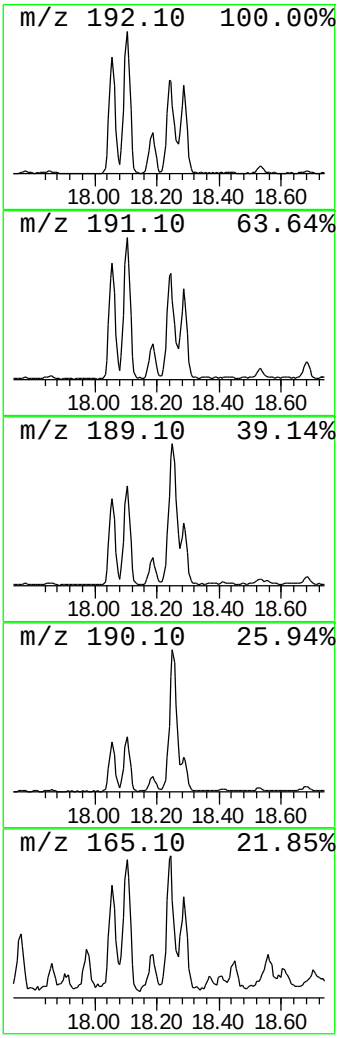
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	5.00 ng/ul	1205490	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

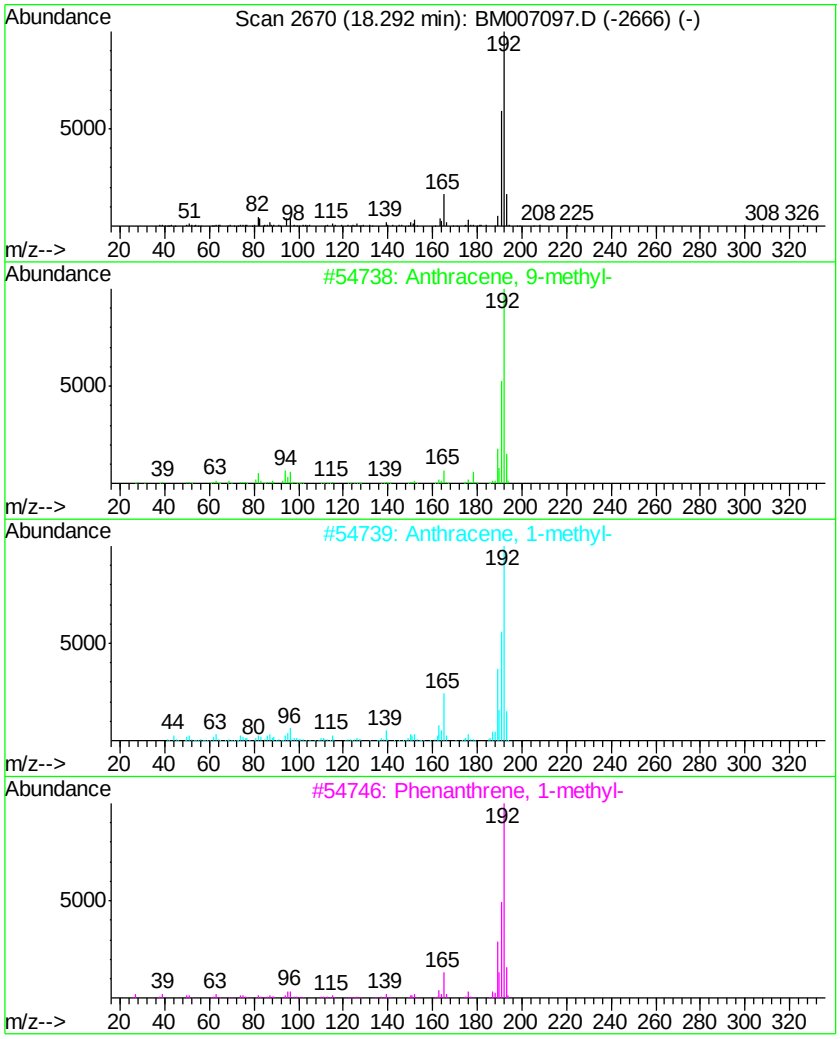
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

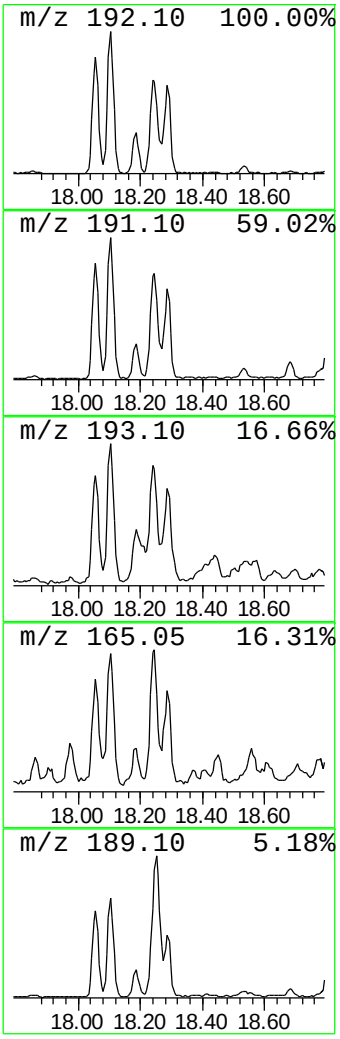
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.61 ng/ul	629736	Phenanthrene-d10	17.18

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





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Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

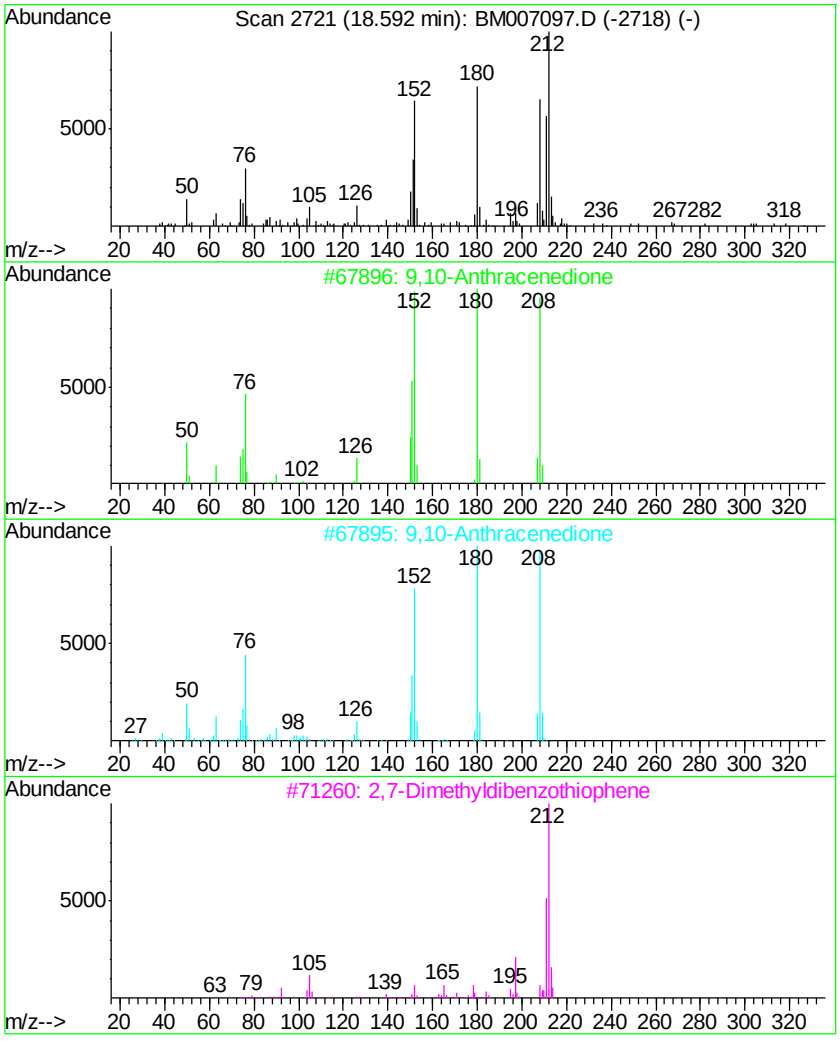
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

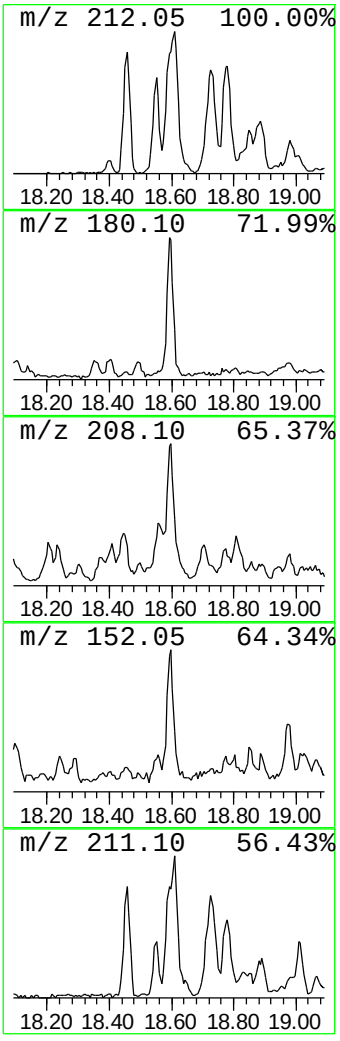
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.28 ng/ul	550557	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	64
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	60





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Sample : H4387-12
Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

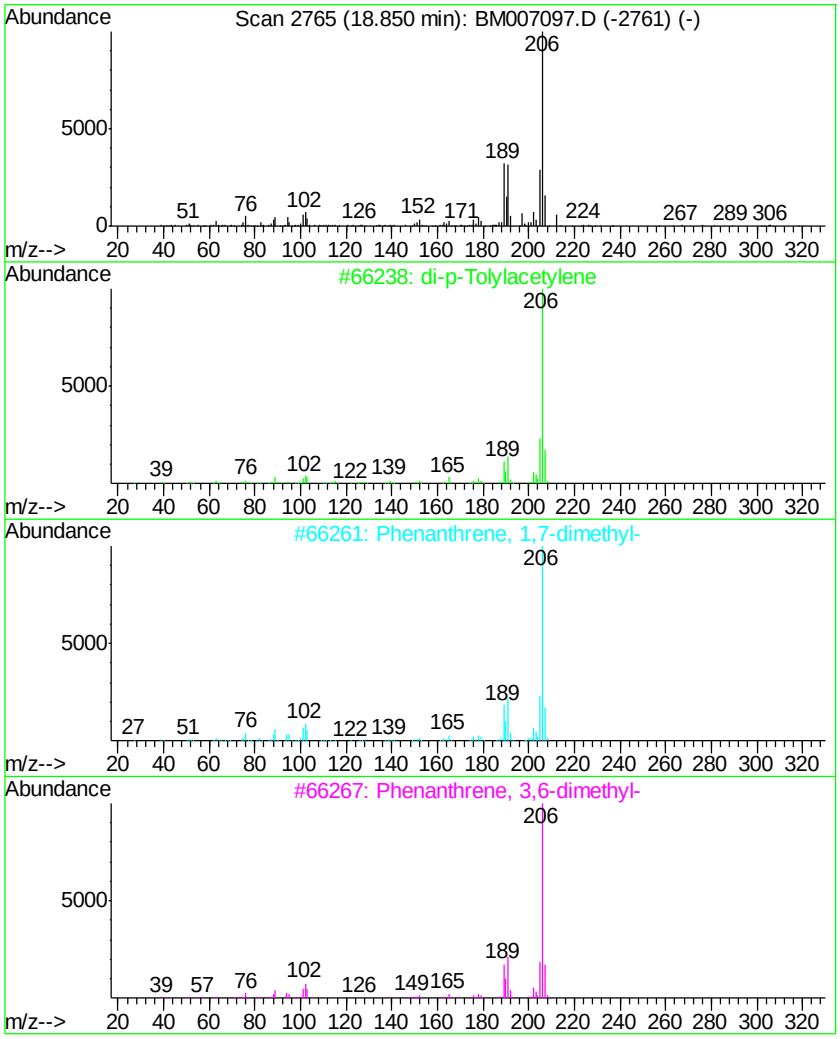
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

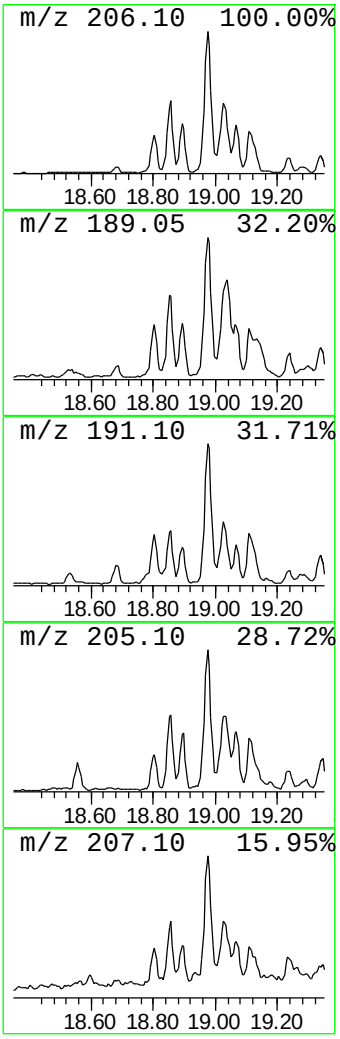
****

Peak Number 7 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.19 ng/ul	529026	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

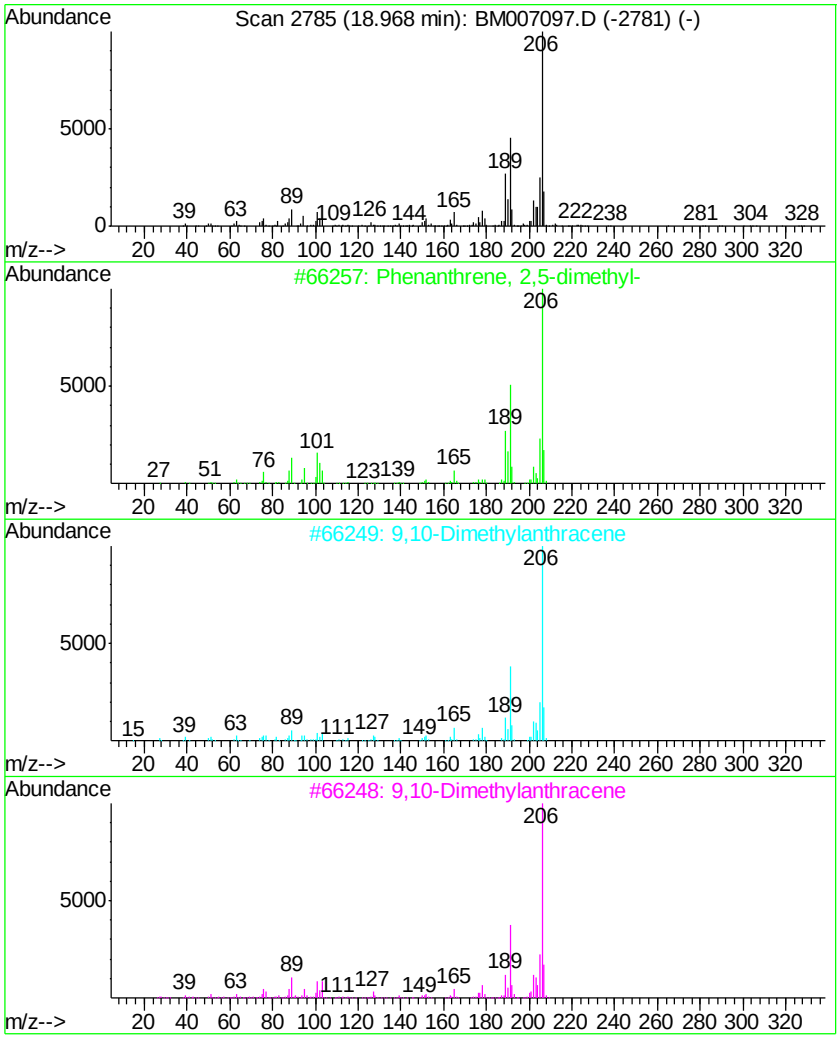
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

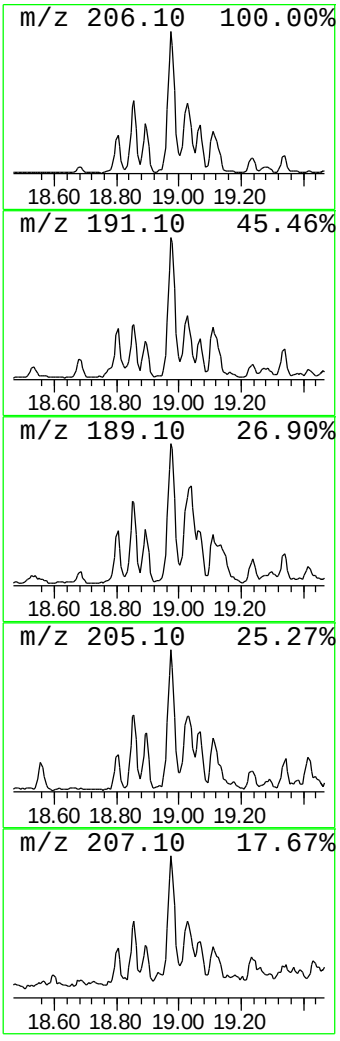
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	5.69 ng/ul	1372310	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Operator : UM/SJ
Sample : H4387-12
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ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

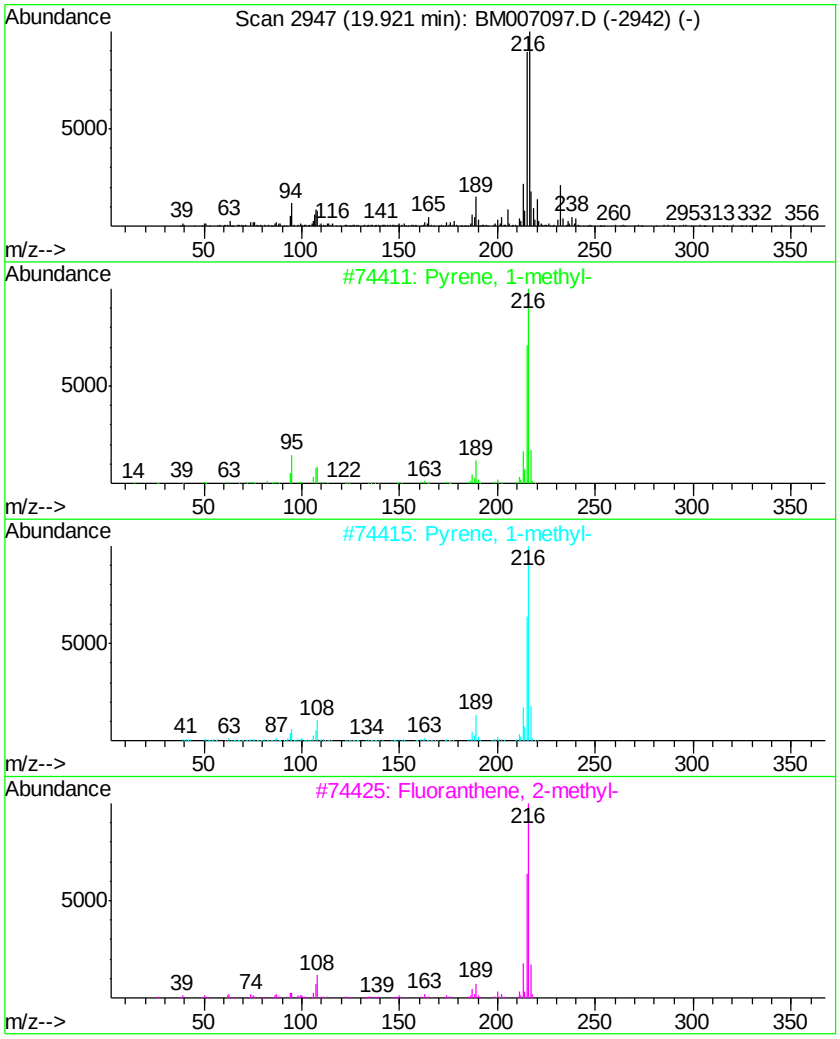
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

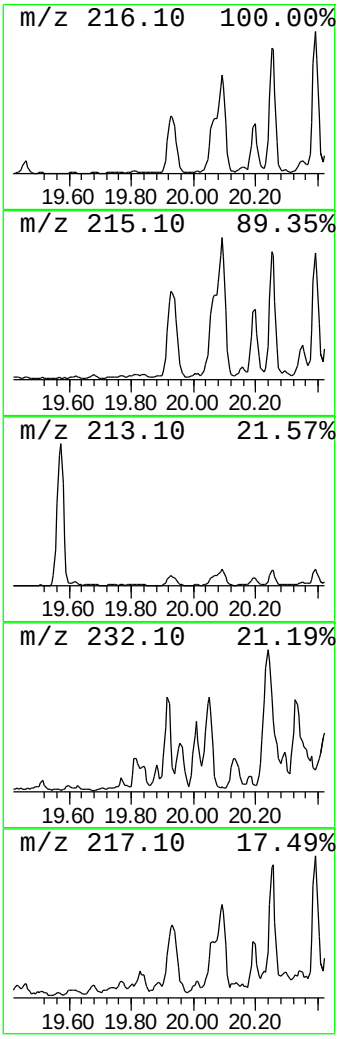
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.79 ng/ul	1249580	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78





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Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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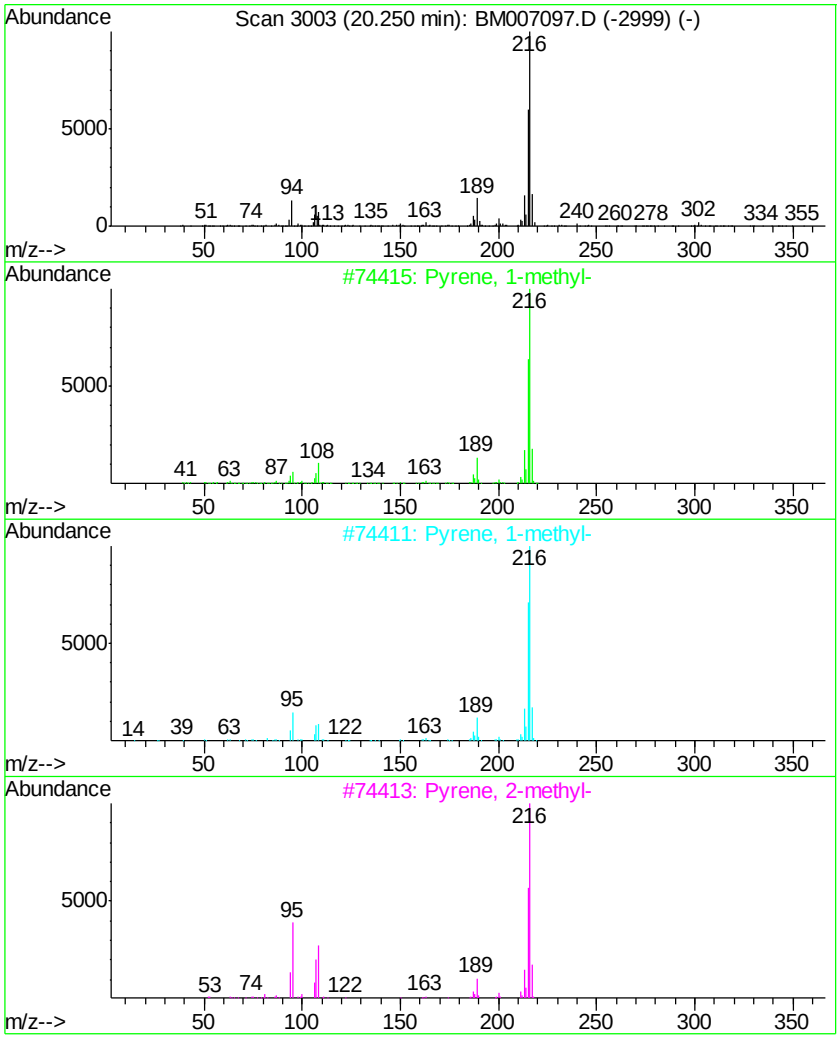
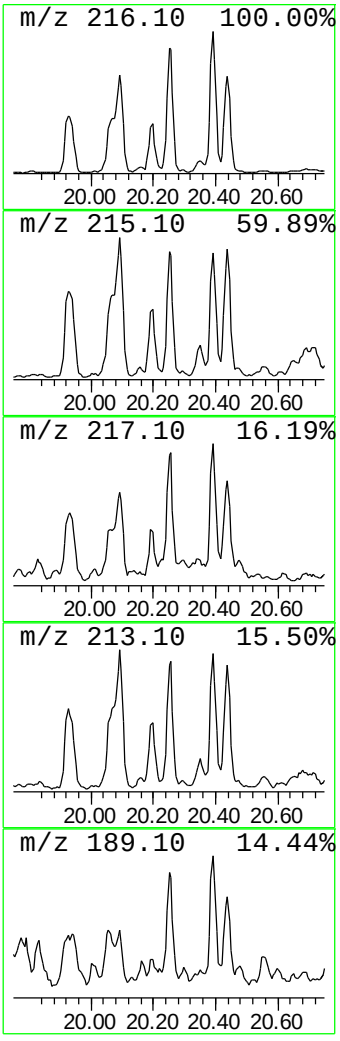
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.09 ng/ul	935871	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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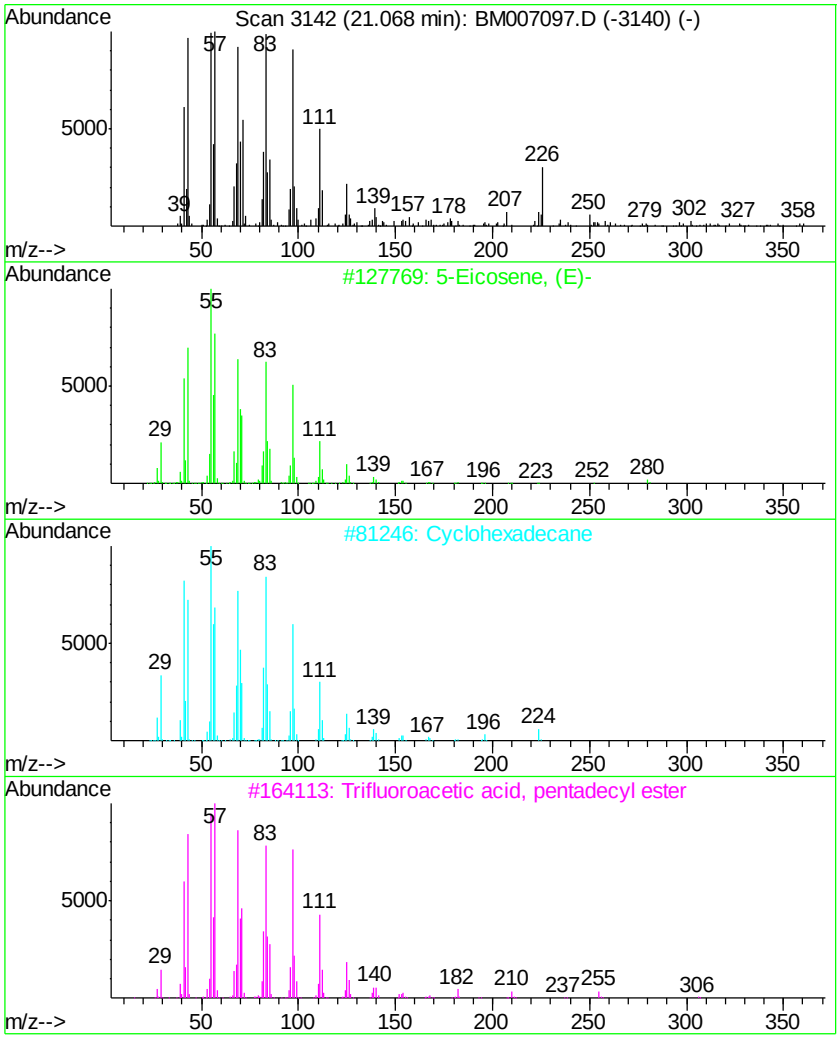
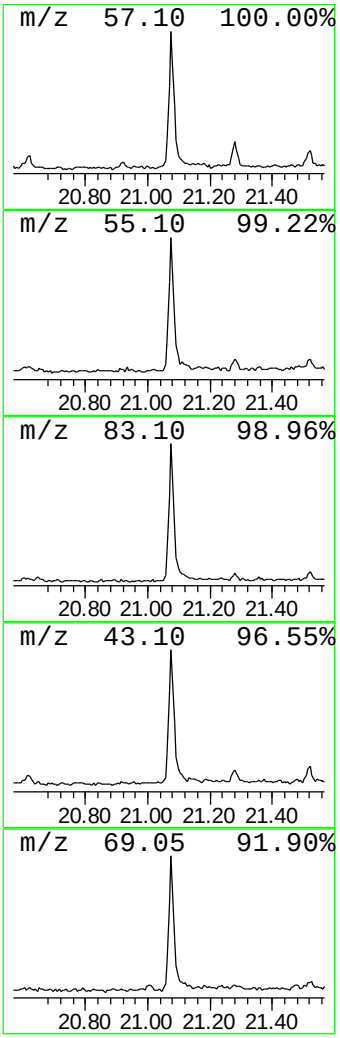
Peak Number 13 (DEL) Alkane: Cyclic21.07 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.09 ng/ul	935566	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	89
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	89
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	86





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Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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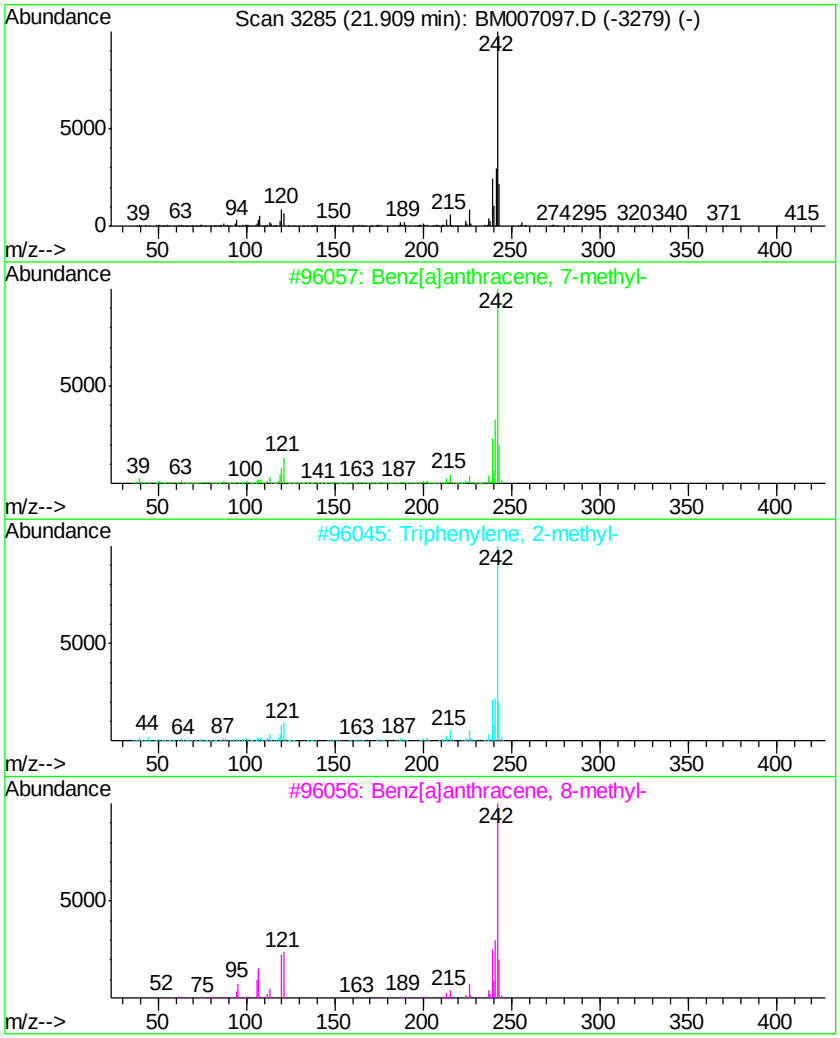
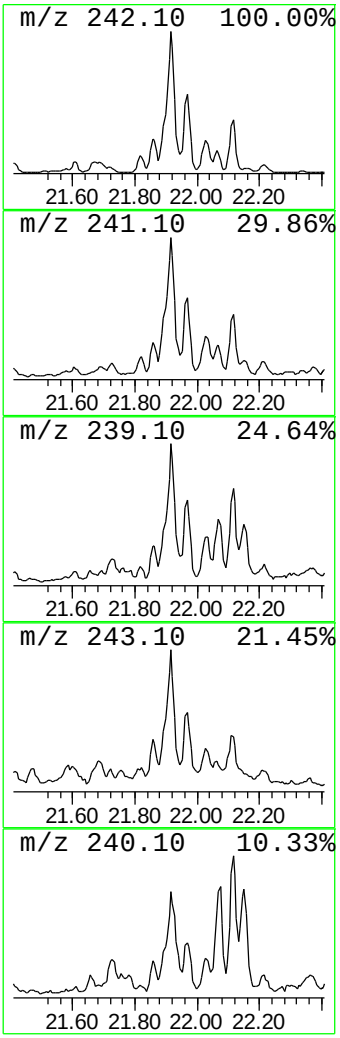
Peak Number 14 Benz[a]anthracene, 7-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.91	3.06 ng/ul	1373690	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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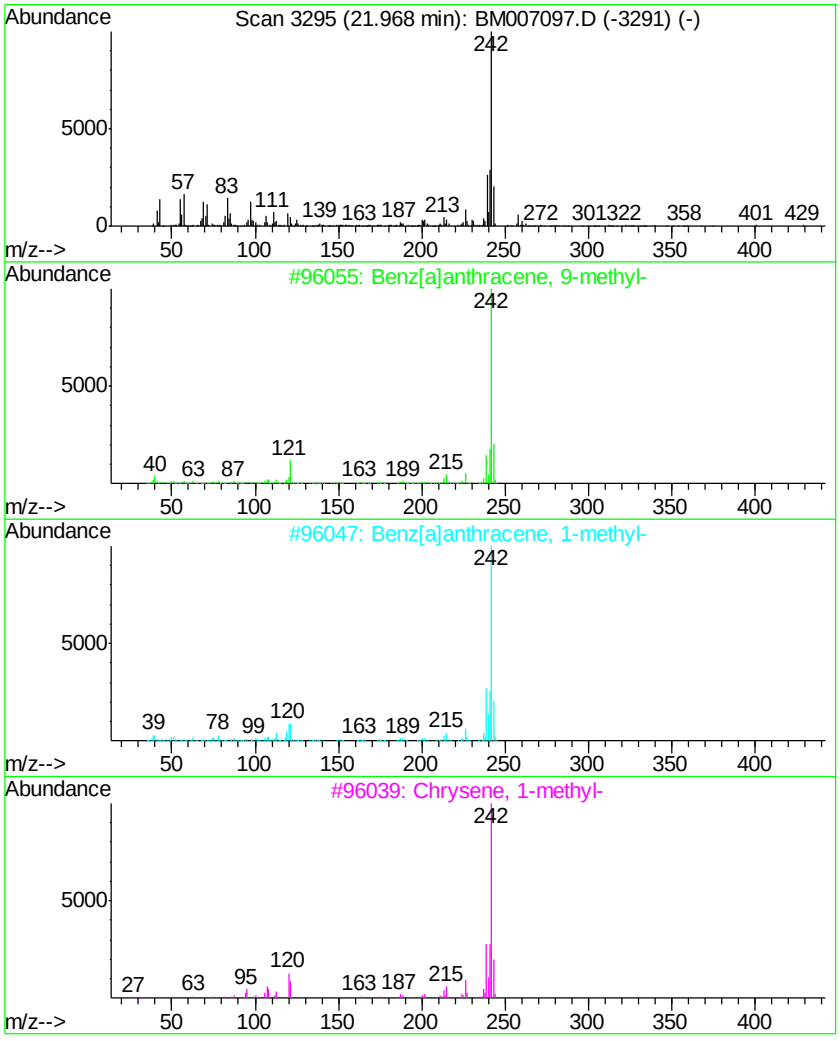
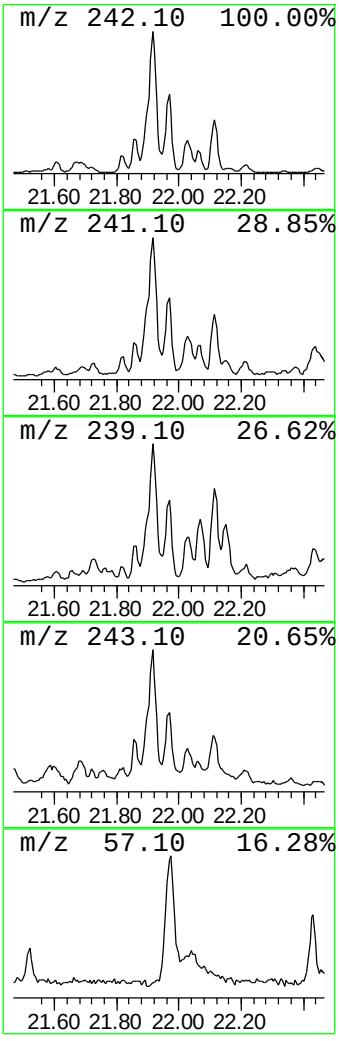
Peak Number 15 Benz[a]anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.10 ng/ul	941813	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	86
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86





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Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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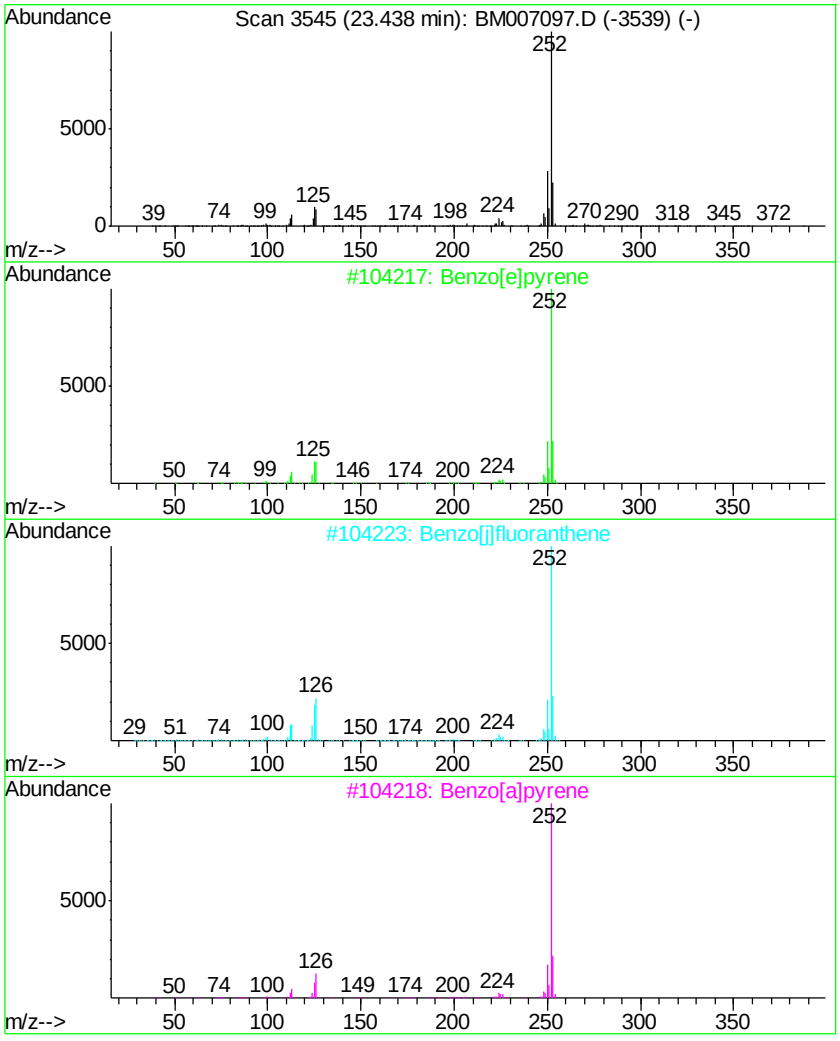
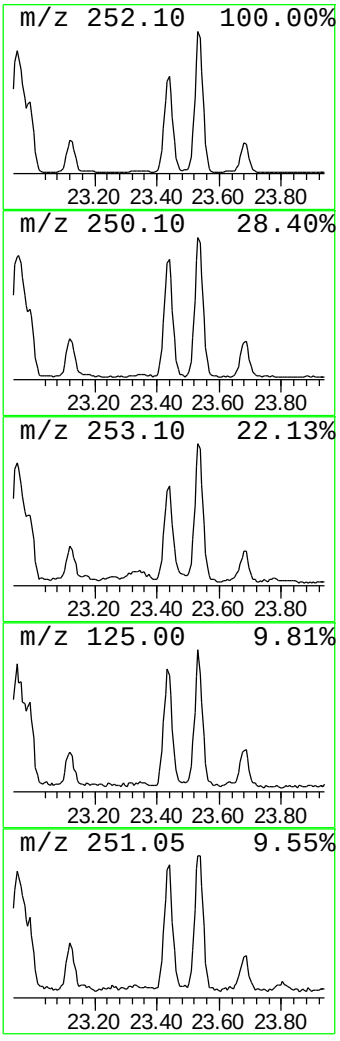
Peak Number 16 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	4.01 ng/ul	1346470	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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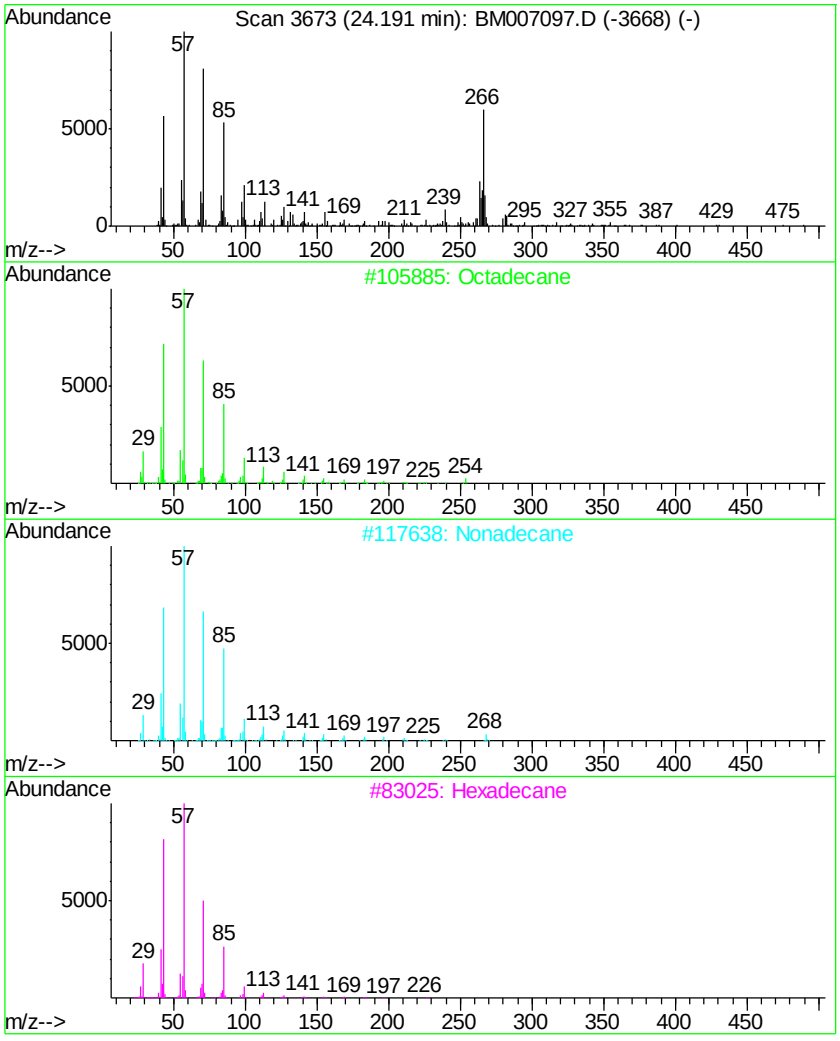
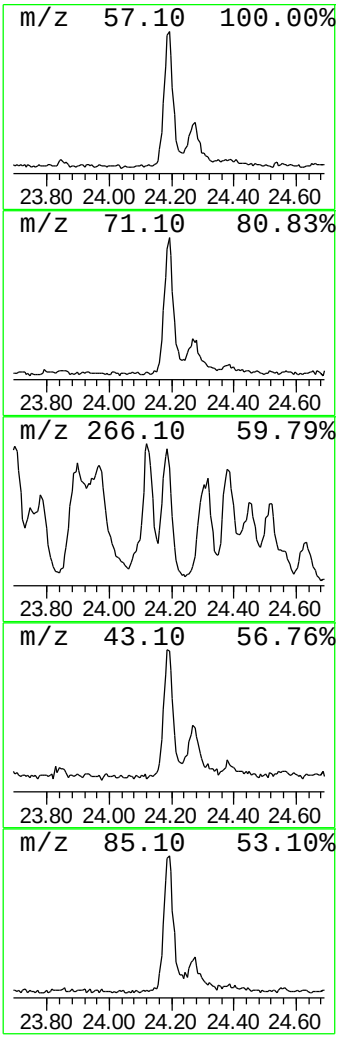
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	2.08 ng/ul	698537	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Nonadecane	268	C19H40	000629-92-5	95
3	Hexadecane	226	C16H34	000544-76-3	90
4	Eicosane	282	C20H42	000112-95-8	78
5	Eicosane	282	C20H42	000112-95-8	78





Tentatively Identified Compound (LSC) summary

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Data File : BM007097.D
Acq On : 14 Aug 2016 08:36
Operator : UM/SJ
Sample : H4387-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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
(DEL) Alkane: Str...	16.16	2.0	ng/ul	493895	4	17.18	4820530	20.0
Phenanthrene, 1-m...	18.06	3.4	ng/ul	815911	4	17.18	4820530	20.0
Phenanthrene, 2-m...	18.10	4.2	ng/ul	1013080	4	17.18	4820530	20.0
Anthracene, 1-met...	18.24	5.0	ng/ul	1205490	4	17.18	4820530	20.0
Anthracene, 9-met...	18.29	2.6	ng/ul	629736	4	17.18	4820530	20.0
9,10-Anthracenedione	18.59	2.3	ng/ul	550557	4	17.18	4820530	20.0
di-p-Tolylacetylene	18.85	2.2	ng/ul	529026	4	17.18	4820530	20.0
Phenanthrene, 2,5...	18.97	5.7	ng/ul	1372310	4	17.18	4820530	20.0
Pyrene, 1-methyl-	19.92	2.8	ng/ul	1249580	5	21.36	8972410	20.0
Pyrene, 2-methyl-	20.25	2.1	ng/ul	935871	5	21.36	8972410	20.0
(DEL) Alkane: Cyc...	21.07	2.1	ng/ul	935566	5	21.36	8972410	20.0
Benz[a]anthracene...	21.91	3.1	ng/ul	1373690	5	21.36	8972410	20.0
Benz[a]anthracene...	21.97	2.1	ng/ul	941813	5	21.36	8972410	20.0
Benzo[e]pyrene	23.44	4.0	ng/ul	1346470	6	23.63	6714830	20.0
(DEL) Alkane: Str...	24.19	2.1	ng/ul	698537	6	23.63	6714830	20.0