LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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	739	746	756	rBV	897519	1578215	16.39%	1.240%
2	7.145	769	775	782	rBV	707542	1074950	11.16%	0.845%
3	7.345	801	809	817	rBV	937531	1548131	16.07%	1.217%
4	7.810	881	888	895	rBV	1185799	1892452	19.65%	1.487%
5	8.504	994	1006	1016	rBV	911696	1463074	15.19%	1.150%
6	8.963	1075	1084	1093	rBV	871971	1457671	15.13%	1.146%
7	9.075	1095	1103	1108	rBV	100919	167431	1.74%	0.132%
8	9.681	1199	1206	1213	rBV	755452	1240893	12.88%	0.975%
9	10.210	1287	1296	1304	rBV	1143038	1923581	19.97%	1.512%
10	10.592	1353	1361	1368	rBV	1505259	2650745	27.52%	2.083%
11	10.728	1376	1384	1396	rBV	741739	1335496	13.87%	1.050%
12	13.851	1909	1915	1919	rVV	1902387	2794540	29.01%	2.196%
13	13.898	1919	1923	1932	rVB	2291455	3099890	32.18%	2.436%
14	14.133	1956	1963	1976	rVB	2140507	3604370	37.42%	2.833%
15	14.345	1994	1999	2003	rVB	98229	122391	1.27%	0.096%
16	14.439	2005	2015	2022	rBV2	2228491	3504480	36.39%	2.754%
17	14.627	2041	2047	2059	rBV	877137	1380834	14.34%	1.085%
18	15.039	2112	2117	2124	rBV6	55392	147764	1.53%	0.116%
19	15.263	2147	2155	2167	rVB	6628852	9631618	100.00%	7.570%
20	15.433	2175	2184	2190	rBV	2790080	4128530	42.86%	3.245%
21	15.486	2190	2193	2199	rVV5	53452	112760	1.17%	0.089%
22	15.551	2199	2204	2210	rVB	693685	983534	10.21%	0.773%
23	15.704	2220	2230	2234	rBV5	72240	187738	1.95%	0.148%
24	16.157	2303	2307	2317	rBV2	250948	434871	4.52%	0.342%
25	16.492	2357	2364	2368	rBV6	66281	161835	1.68%	0.127%
26	16.945	2438	2441	2446	rBV2	112535	147980	1.54%	0.116%
27	17.004	2447	2451	2459	rVB	117022	186627	1.94%	0.147%
28	17.080	2459	2464	2471	rBV2	164252	247542	2.57%	0.195%
29	17.180	2476	2481	2486	rBV2	2733138	4028726	41.83%	3.166%
30	17.221	2486	2488	2493	rVB	766584	936382	9.72%	0.736%
31	17.280	2493	2498	2503	rBV2	2989563	4259401	44.22%	3.348%
32	17.374	2509	2514	2519	rBV4	66333	133592	1.39%	0.105%
33	17.568	2542	2547	2556	rBV4	94862	216442	2.25%	0.170%
34	17.686	2563	2567	2573	rVB2	85101	149398	1.55%	0.117%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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	17.762	2575	2580	2586	rVB	154984	228622	2.37%	0.180%
36	17.904	2600	2604	2609	rBV	76688	129662	1.35%	0.102%
37	17.962	2609	2614	2620	rBV3	103053	200541	2.08%	0.158%
38	18.015	2620	2623	2626	rBV2	131865	182334	1.89%	0.143%
39	18.080	2626	2634	2636	rVV2	828603	1699403	17.64%	1.336%
40	18.104	2636	2638	2644	rVB	622344	725269	7.53%	0.570%
41	18.186	2648	2652	2656	rVB	99267	124479	1.29%	0.098%
42	18.245	2657	2662	2666	rBV2	483358	837584	8.70%	0.658%
43	18.286	2666	2669	2676	rVB	372648	514750	5.34%	0.405%
44	18.374	2680	2684	2687	rBV2	149182	232154	2.41%	0.182%
45	18.451	2693	2697	2702	rVB4	104854	169459	1.76%	0.133%
46	18.556	2711	2715	2718	rBV2	196627	274512	2.85%	0.216%
47	18.598	2718	2722	2733	rVB2	212152	466582	4.84%	0.367%
48	18.774	2748	2752	2754	rBV2	93494	136969	1.42%	0.108%
49	18.804	2754	2757	2761	rVV	209352	301066	3.13%	0.237%
50	18.856	2761	2766	2769	rVV	316083	468353	4.86%	0.368%
51	18.892	2769	2772	2776	rVB2	237479	303833	3.15%	0.239%
52	18.974	2781	2786	2790	rBV	692341	1026524	10.66%	0.807%
53	19.027	2790	2795	2799	rVV4	279047	541461	5.62%	0.426%
54	19.068	2799	2802	2805	rVB	209215	251928	2.62%	0.198%
55	19.109	2805	2809	2816	rBV2	307606	604501	6.28%	0.475%
56	19.239	2823	2831	2838	rBV	1651139	2374991	24.66%	1.867%
57	19.304	2838	2842	2845	rBV	131002	169914	1.76%	0.134%
58	19.356	2845	2851	2854	rBV4	193738	359356	3.73%	0.282%
59	19.386	2854	2856	2860	rVB2	165864	188450	1.96%	0.148%
60	19.433	2861	2864	2868	rBV2	88890	117028	1.22%	0.092%
61	19.480	2869	2872	2875	rVV2	105564	116481	1.21%	0.092%
62	19.574	2882	2888	2891	rBV	4082848	6252705	64.92%	4.914%
63	19.603	2891	2893	2901	rVV	2048760	2571834	26.70%	2.021%
64	19.680	2901	2906	2911	rVB2	364232	580389	6.03%	0.456%
65	19.839	2929	2933	2939	rVB4	179988	330187	3.43%	0.260%
66	19.921	2942	2947	2959	rBV6	320025	898886	9.33%	0.706%
67	20.009	2959	2962	2966	rBV3	106565	150497	1.56%	0.118%
68	20.062	2966	2971	2973	rVV3	267841	448771	4.66%	0.353%
69	20.092	2973	2976	2980	rVB2	439219	608157	6.31%	0.478%
70	20.198	2990	2994	2998	rVV	208744	270590	2.81%	0.213%
71	20.256	2999	3004	3008	rVV	499197	693826	7.20%	0.545%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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	20.392	3023	3027	3031	rBV	457594	545976	5.67%	0.429%
73	20.439	3031	3035	3039	rVB	379655	492150	5.11%	0.387%
74	20.845	3100	3104	3110	rVB	324333	530292	5.51%	0.417%
75	20.933	3116	3119	3123	rVB	151791	157169	1.63%	0.124%
76	20.986	3125	3128	3129	rBV	201824	213086	2.21%	0.167%
77	21.009	3130	3132	3136	rVV2	310094	373811	3.88%	0.294%
78	21.050	3136	3139	3140	rVV	125453	130949	1.36%	0.103%
79	21.080	3140	3144	3150	rVV3	772025	1061764	11.02%	0.835%
80	21.362	3185	3192	3196	rBV2	4686462	7507308	77.94%	5.900%
81	21.397	3196	3198	3208	rVB	1173588	1423317	14.78%	1.119%
82	21.474	3209	3211	3215	rVB2	161516	202414	2.10%	0.159%
83	21.521	3216	3219	3223	rBV4	143963	243669	2.53%	0.192%
84	21.862	3274	3277	3280	rBV	138876	189051	1.96%	0.149%
85	21.915	3280	3286	3290	rVV	435143	767649	7.97%	0.603%
86	21.974	3291	3296	3301	rVV3	574442	933505	9.69%	0.734%
87	22.115	3317	3320	3324	rBV	233475	300244	3.12%	0.236%
88	22.433	3370	3374	3385	rVB5	287144	640596	6.65%	0.503%
89	22.668	3409	3414	3419	rBV2	970739	1424721	14.79%	1.120%
90	22.950	3457	3462	3466	rBV2	1291596	2539588	26.37%	1.996%
91	22.997	3466	3470	3487	rVB2	3181429	5447108	56.55%	4.281%
92	23.439	3540	3545	3548	rBV	550054	970909	10.08%	0.763%
93	23.491	3548	3554	3559	rVV2	3033954	5846899	60.71%	4.595%
94	23.539	3559	3562	3570	rVB	941941	1513234	15.71%	1.189%
95	23.639	3572	3579	3585	rBV	2862645	5573128	57.86%	4.380%
96	24.191	3668	3673	3681	rVB2	844400	1638637	17.01%	1.288%
97	24.274	3683	3687	3700	rVB5	409925	1038270	10.78%	0.816%
98	24.950	3797	3802	3810	rVB4	302055	694632	7.21%	0.546%
99	25.856	3950	3956	3962	rBV2	317606	995095	10.33%	0.782%
100	26.756	4103	4109	4121	rVB5	475953	1350731	14.02%	1.062%

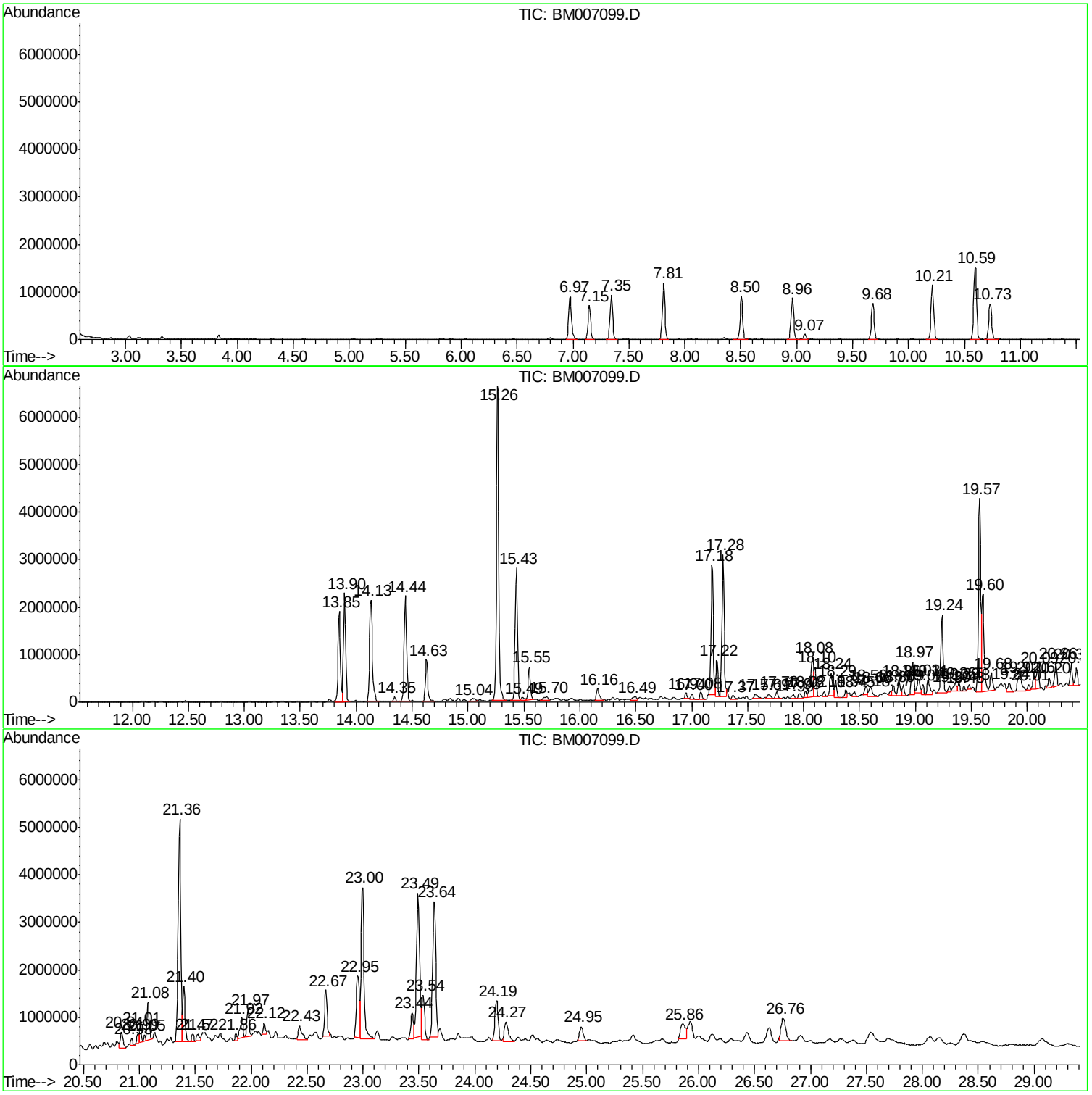
Sum of corrected areas: 127231834

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS004-0002-01

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 : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

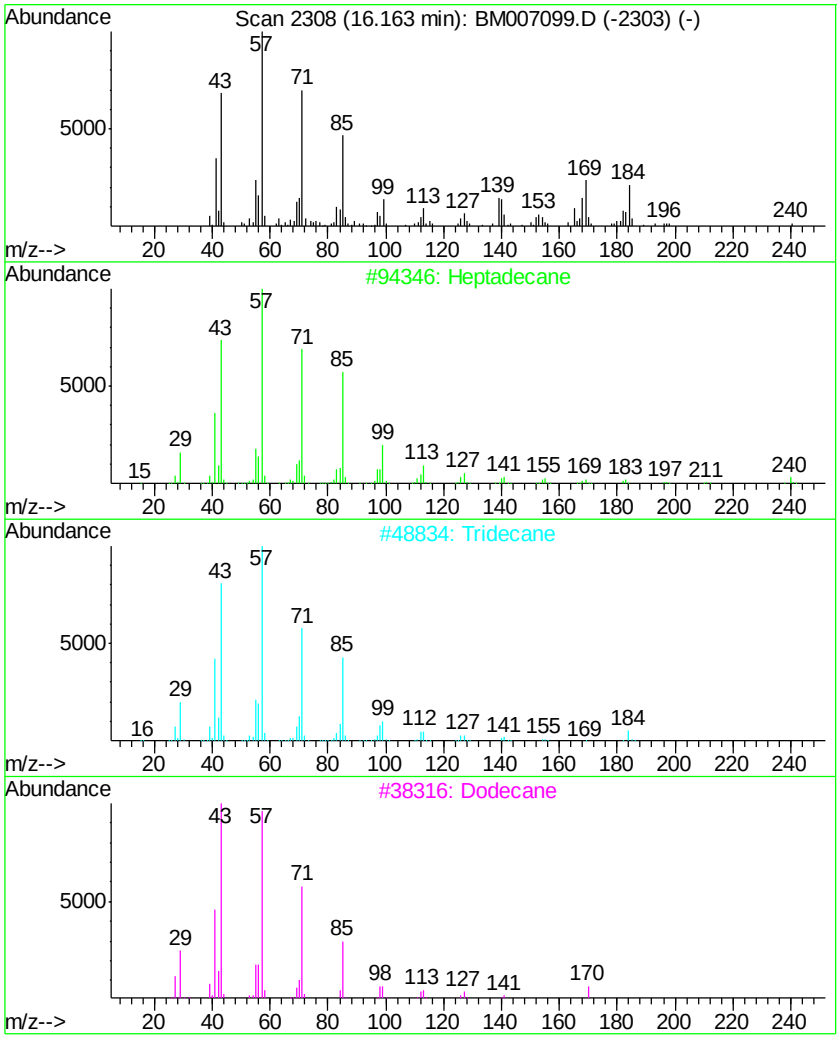
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

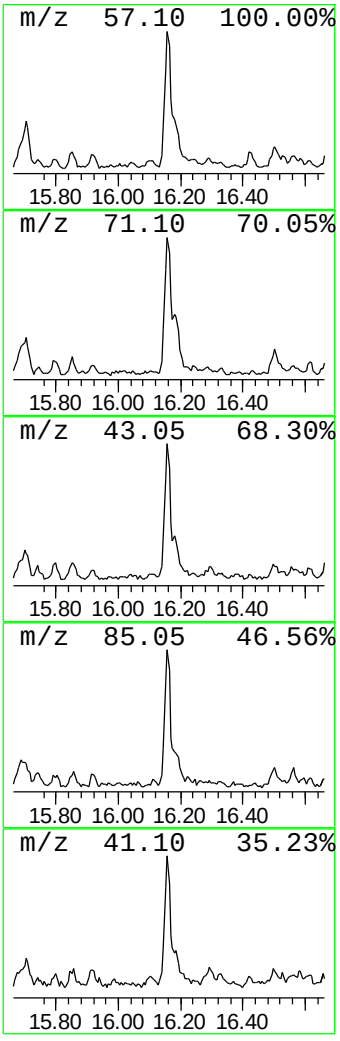
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.16 ng/ul	434871	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Tridecane	184	C13H28	000629-50-5	89
3	Dodecane	170	C12H26	000112-40-3	86
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

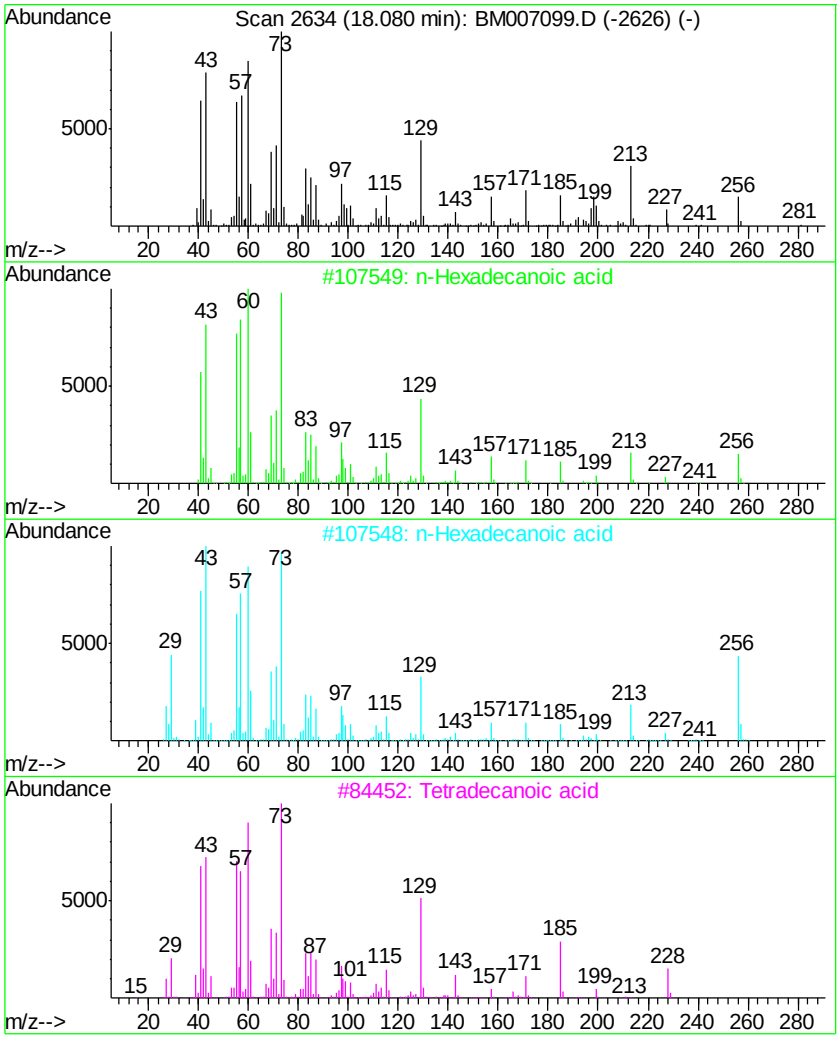
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

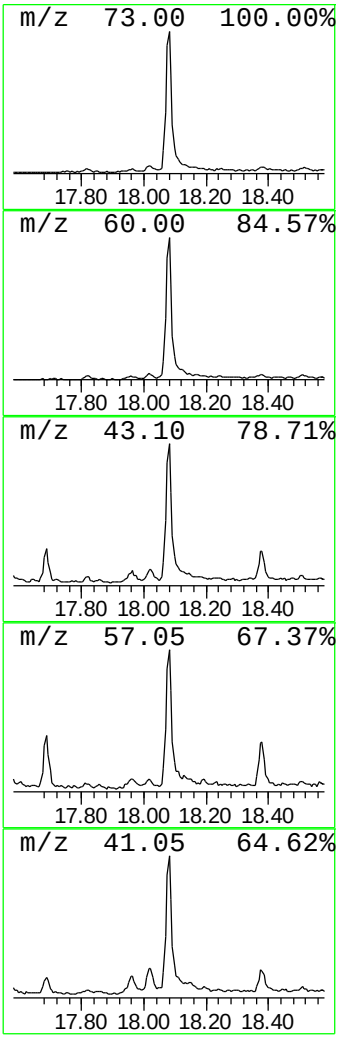
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	8.44 ng/ul	1699400	Phenanthrene-d10	17.18

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	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

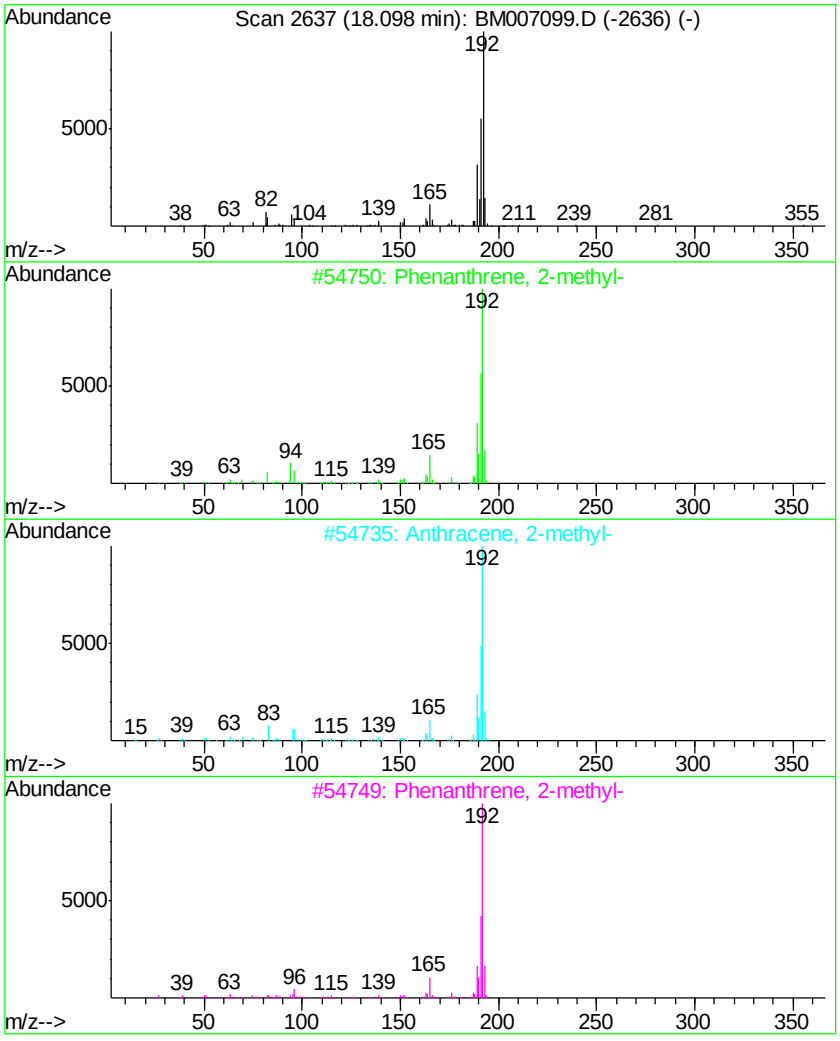
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

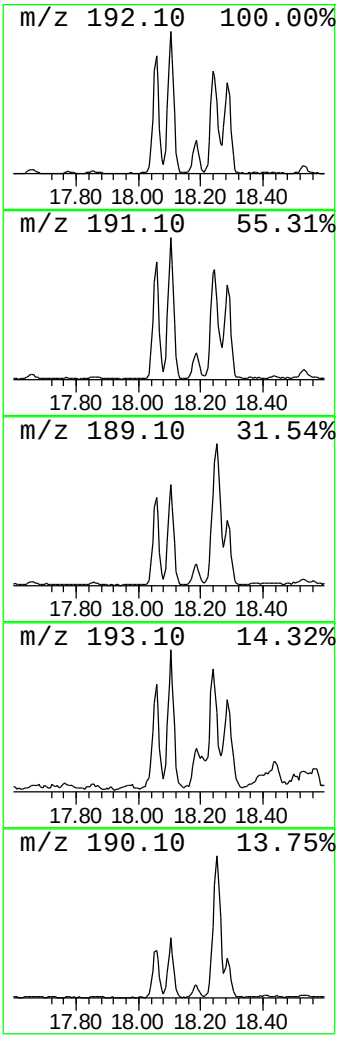
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	3.60 ng/ul	725269	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

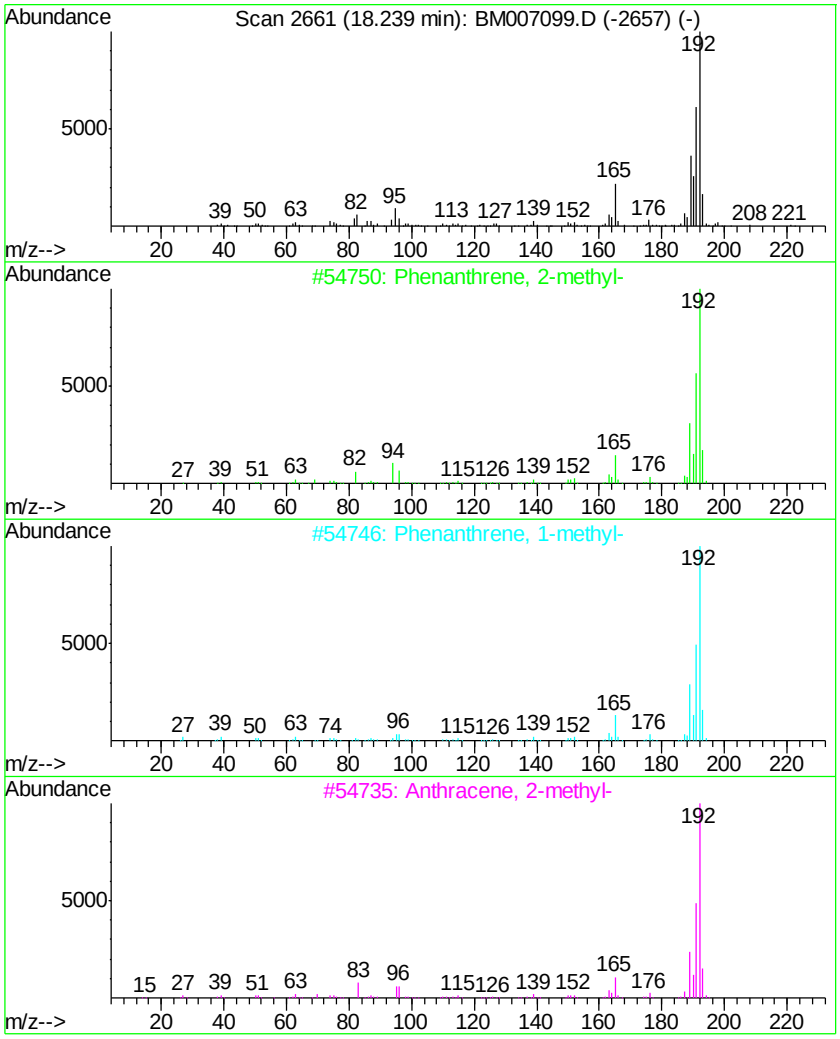
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

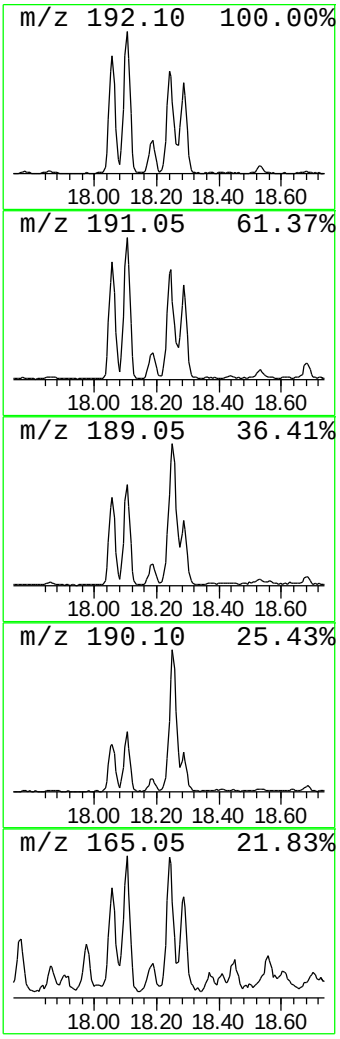
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	4.16 ng/ul	837584	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	60
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

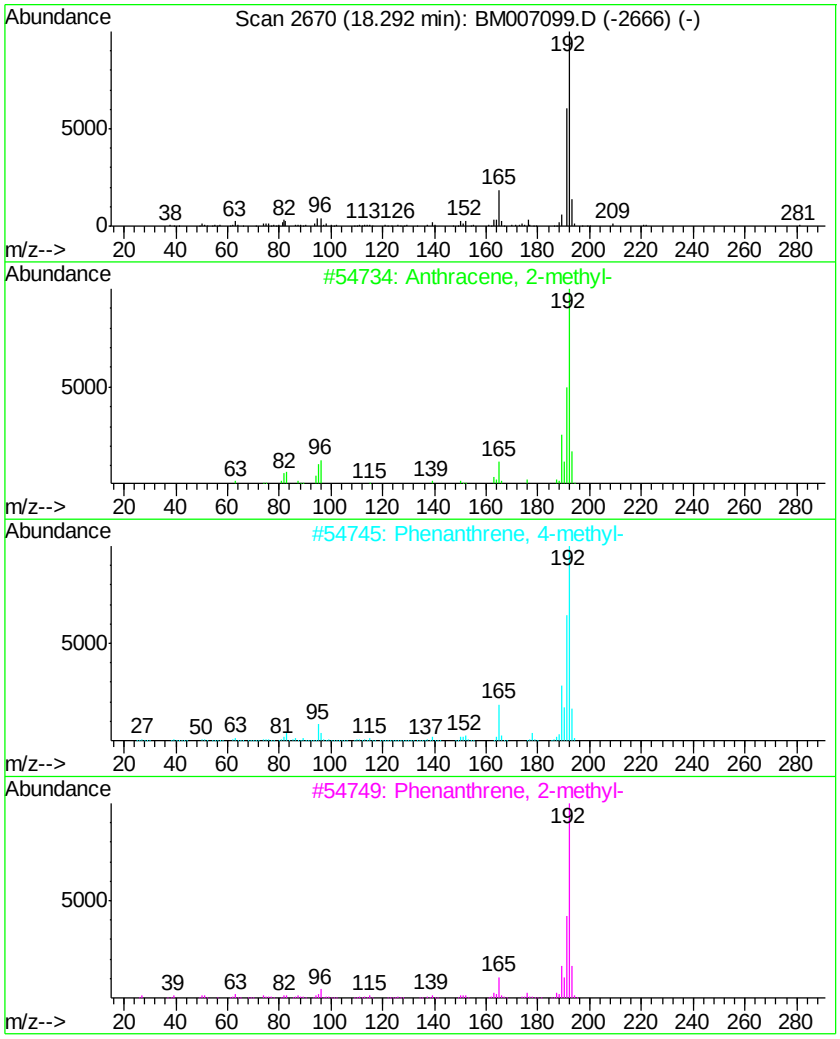
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

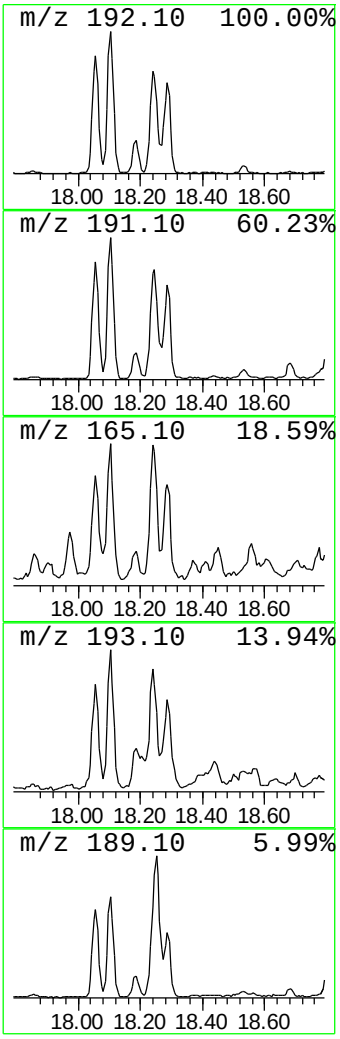
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.56 ng/ul	514750	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

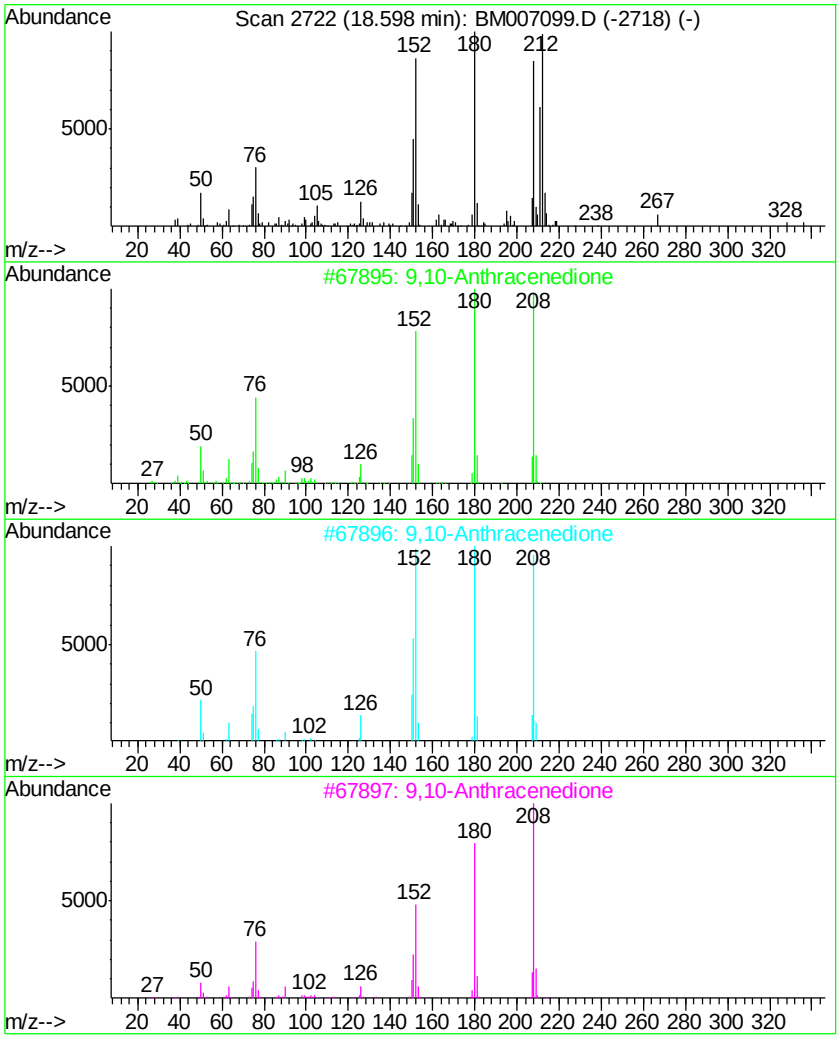
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

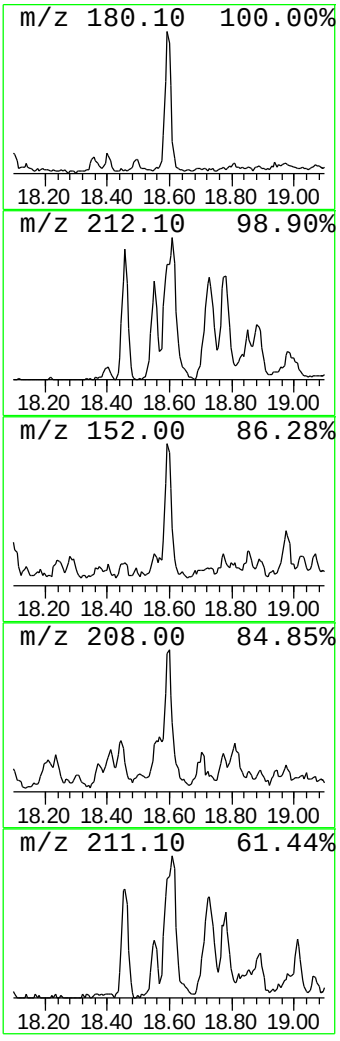
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.32 ng/ul	466582	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

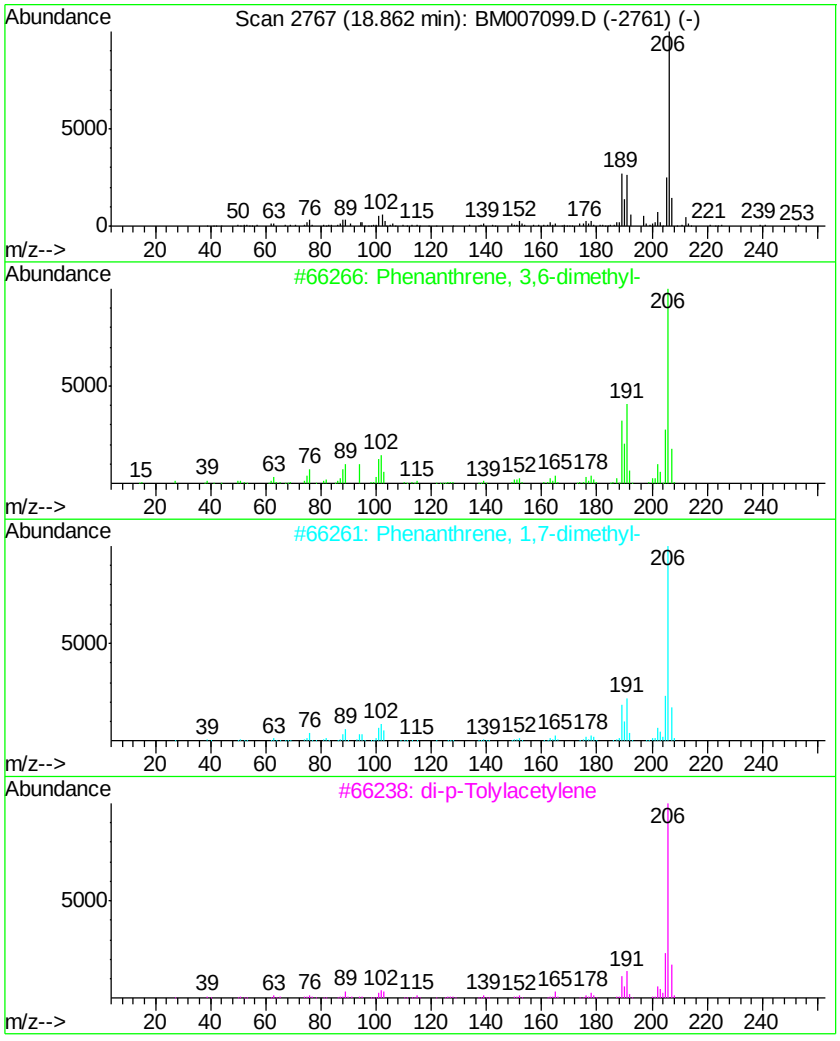
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

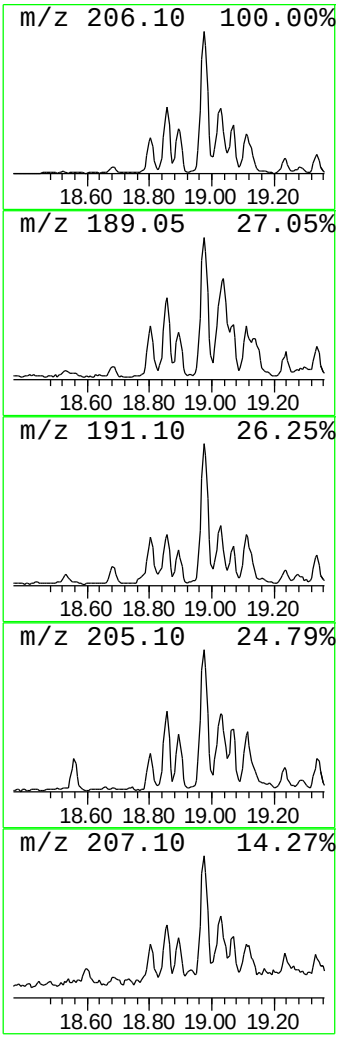
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.33 ng/ul	468353	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

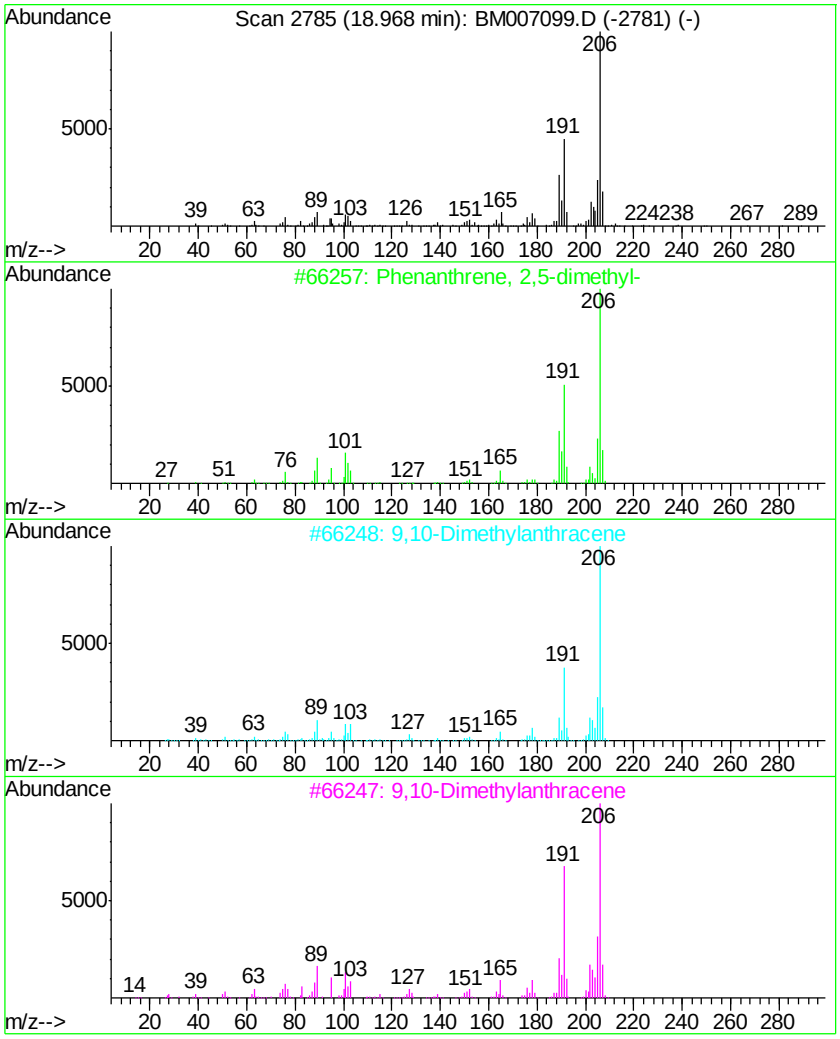
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

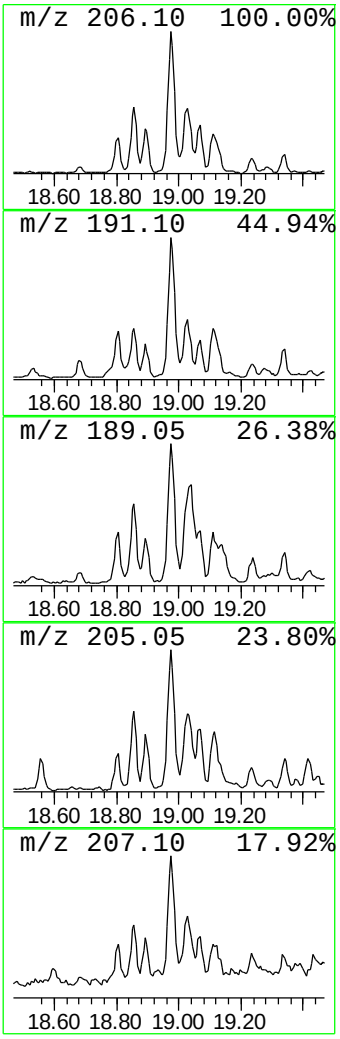
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	5.10 ng/ul	1026520	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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

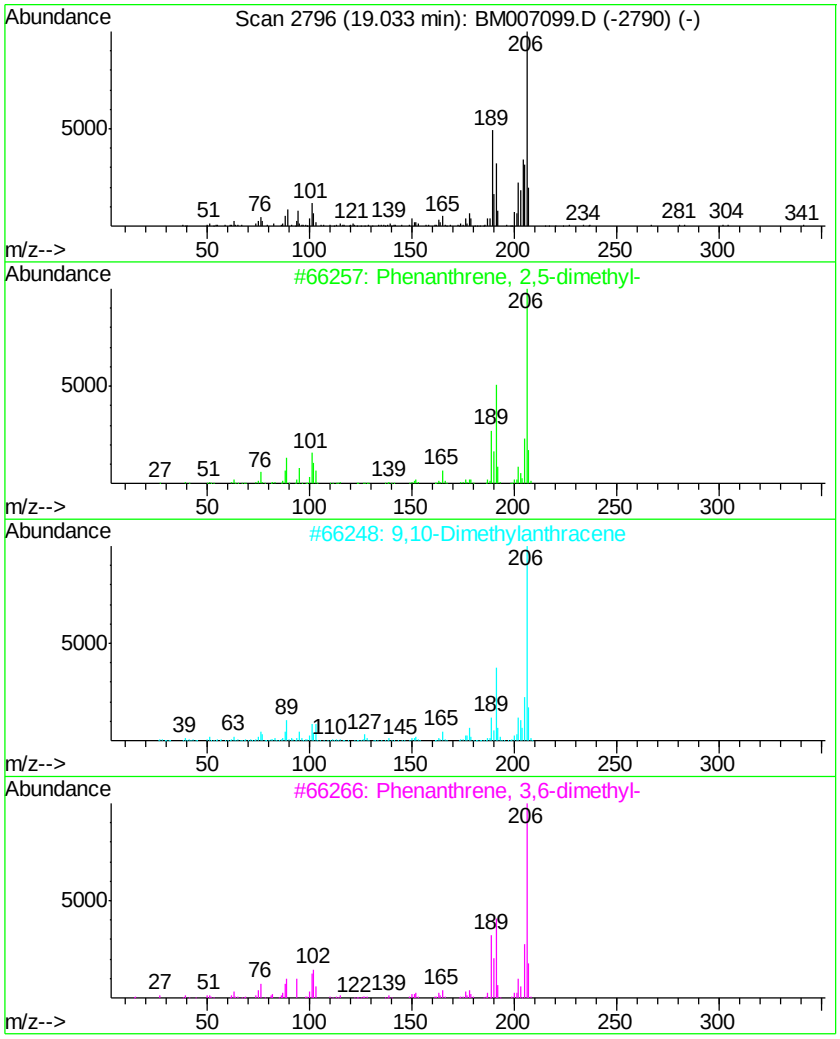
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

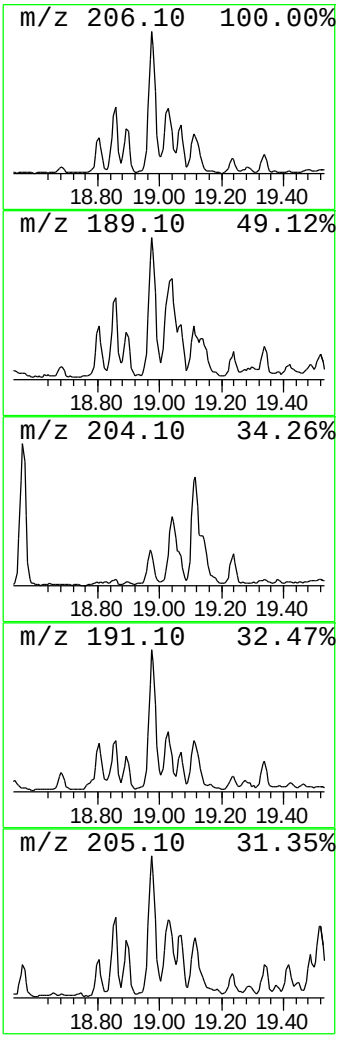
****

Peak Number 9 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.69 ng/ul	541461	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

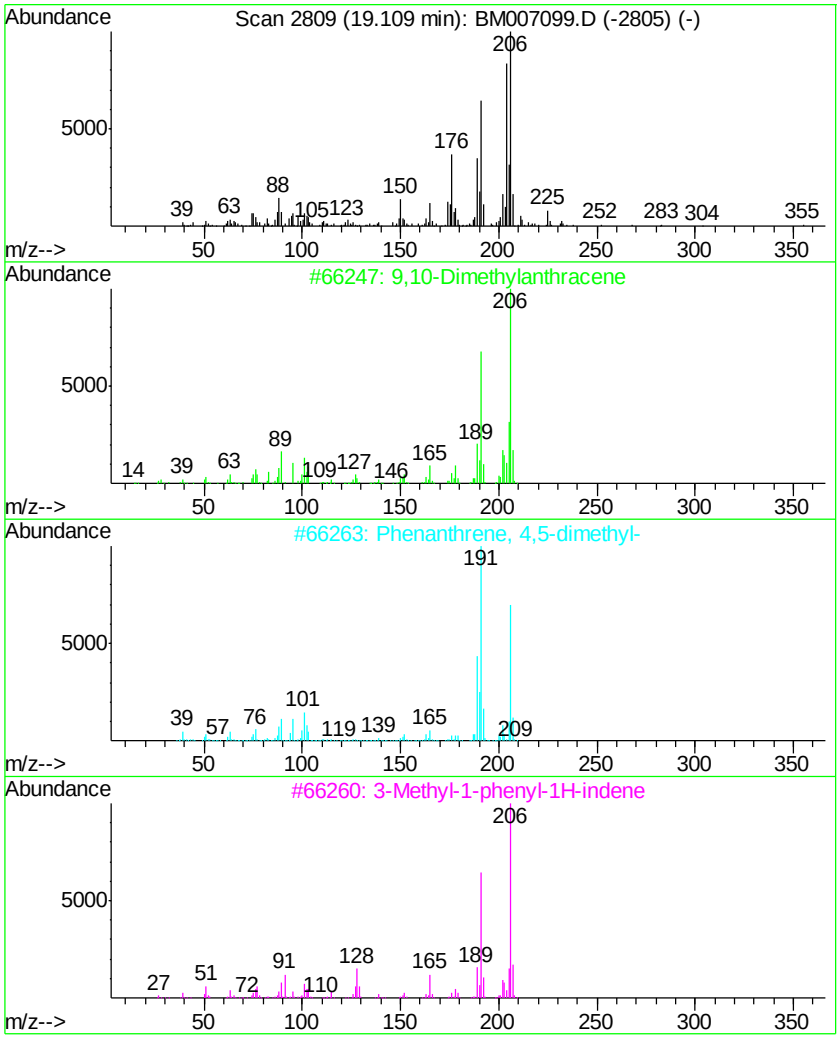
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

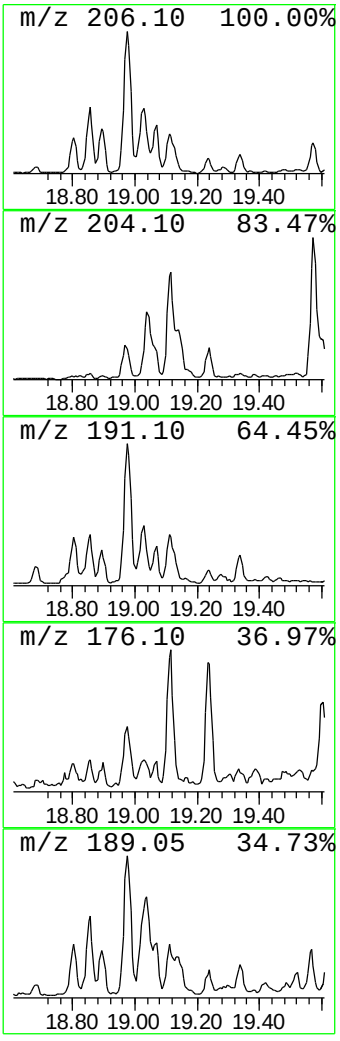
****

Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	3.00 ng/ul	604501	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	60
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

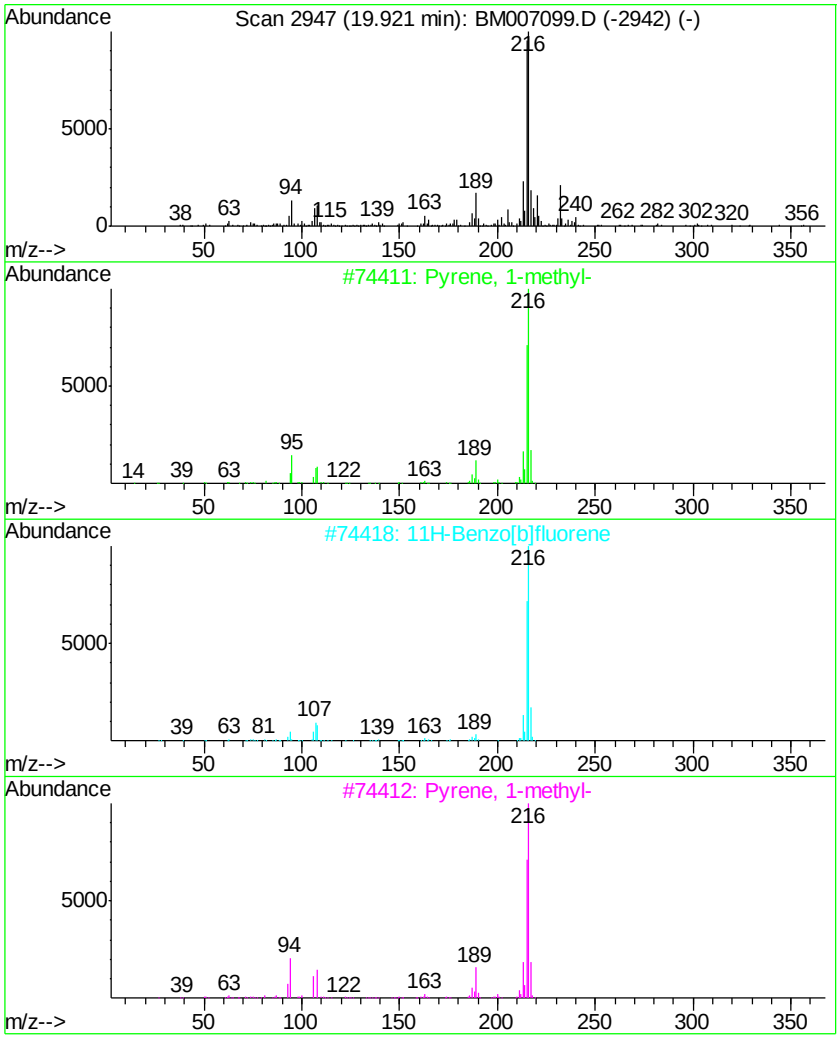
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

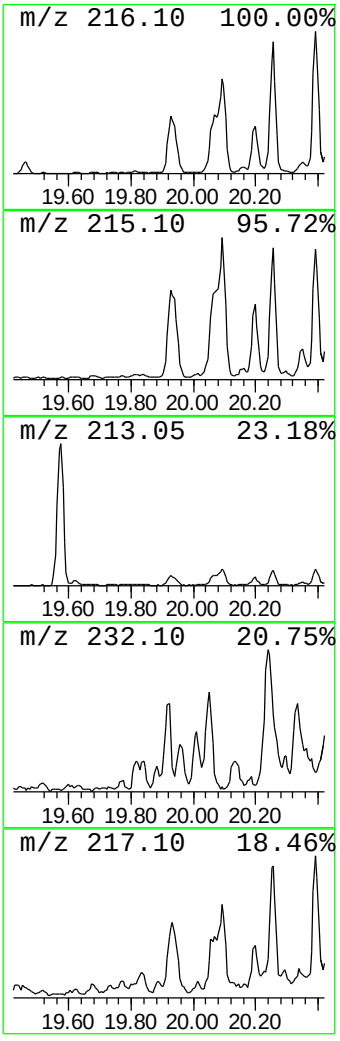
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.39 ng/ul	898886	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

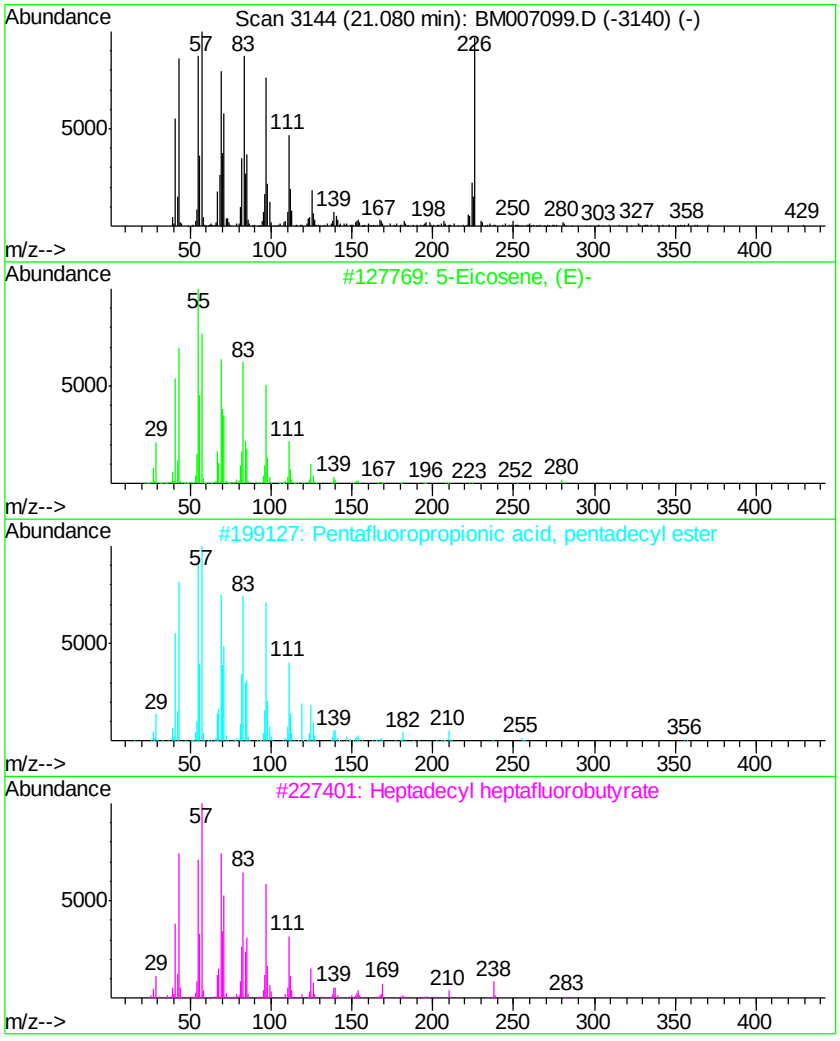
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

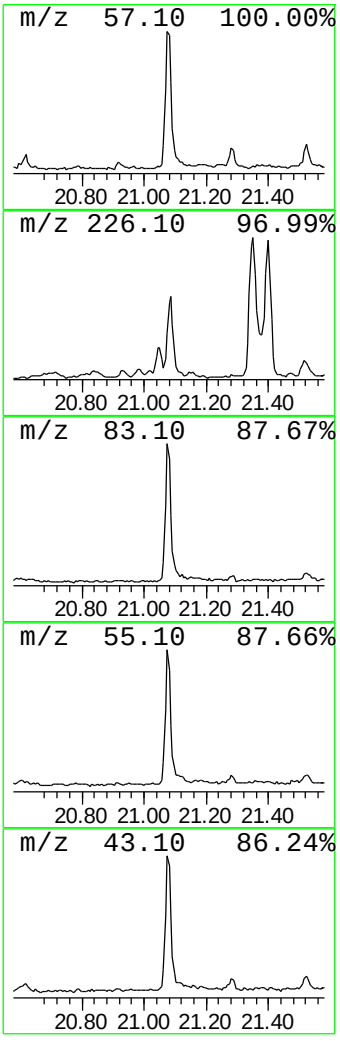
****

Peak Number 12 (DEL) Alkane: Cyclic21.08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.83 ng/ul	1061760	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

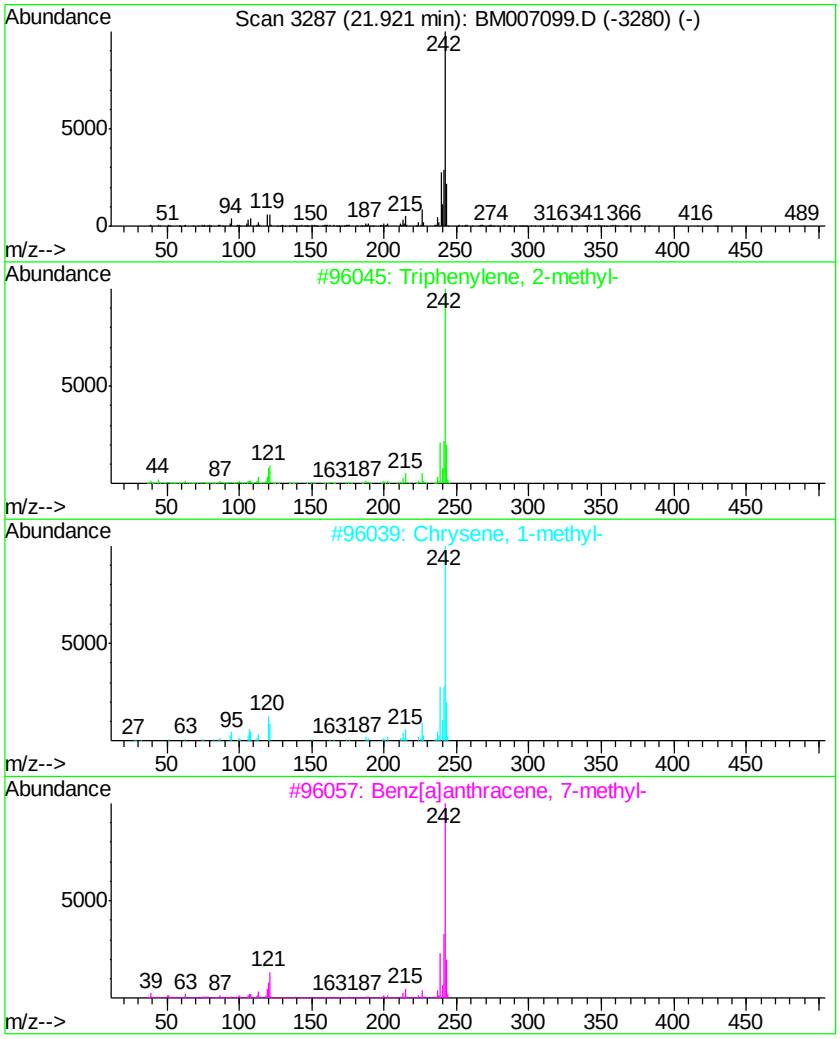
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

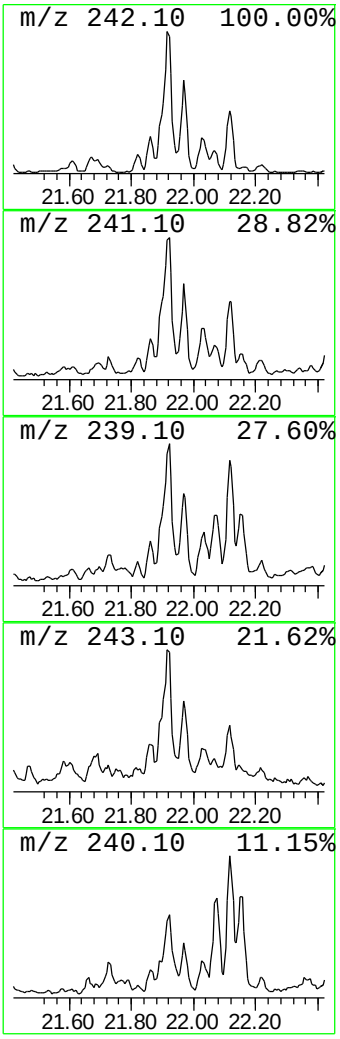
****

Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	2.05 ng/ul	767649	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	91
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

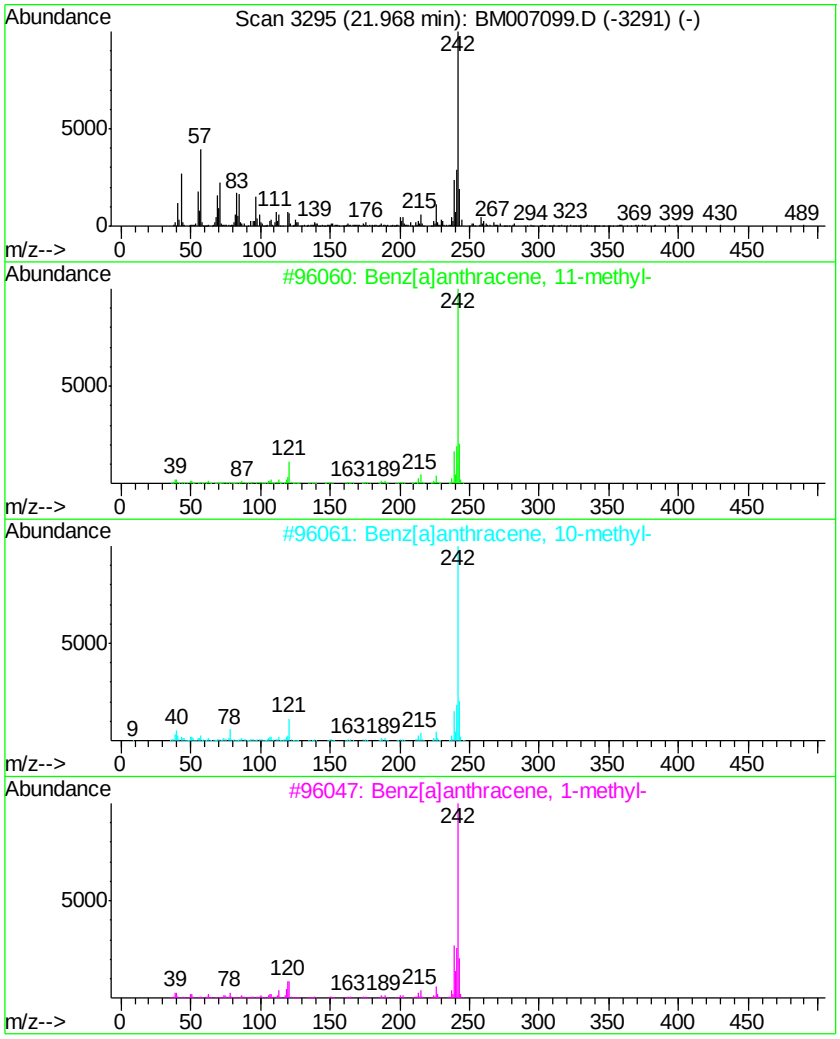
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

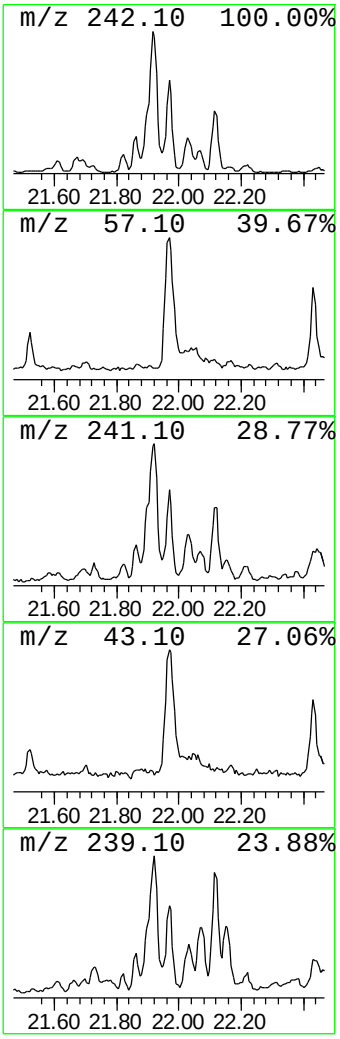
****

Peak Number 14 Benz[a]anthracene, 11-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.49 ng/ul	933505	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	91
2	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	90
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	90
4	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	90
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

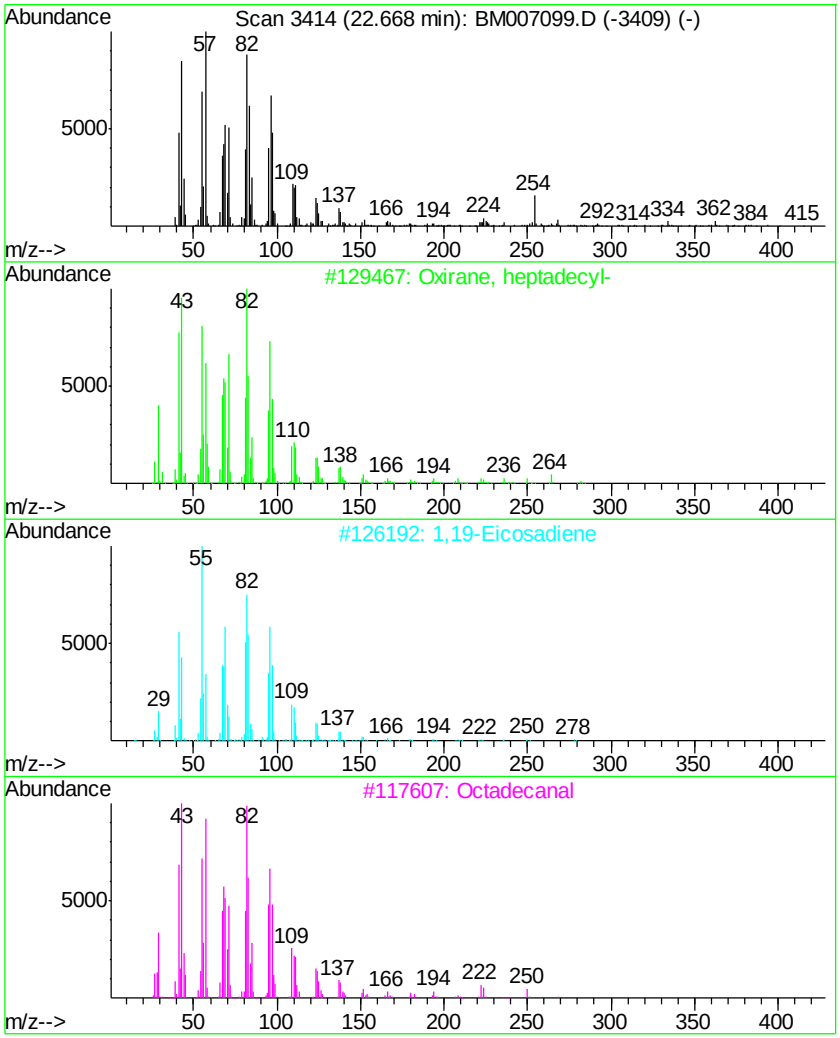
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

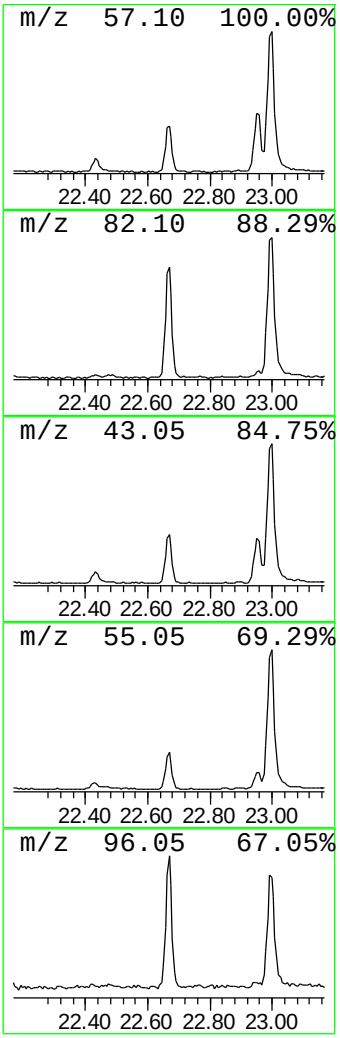
****

Peak Number 15 Oxirane, heptadecyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.67	5.11 ng/ul	1424720	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	96
2	1,19-Eicosadiene	278	C20H38	014811-95-1	94
3	Octadecanal	268	C18H36O	000638-66-4	94
4	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	91
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS004-0002-01

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

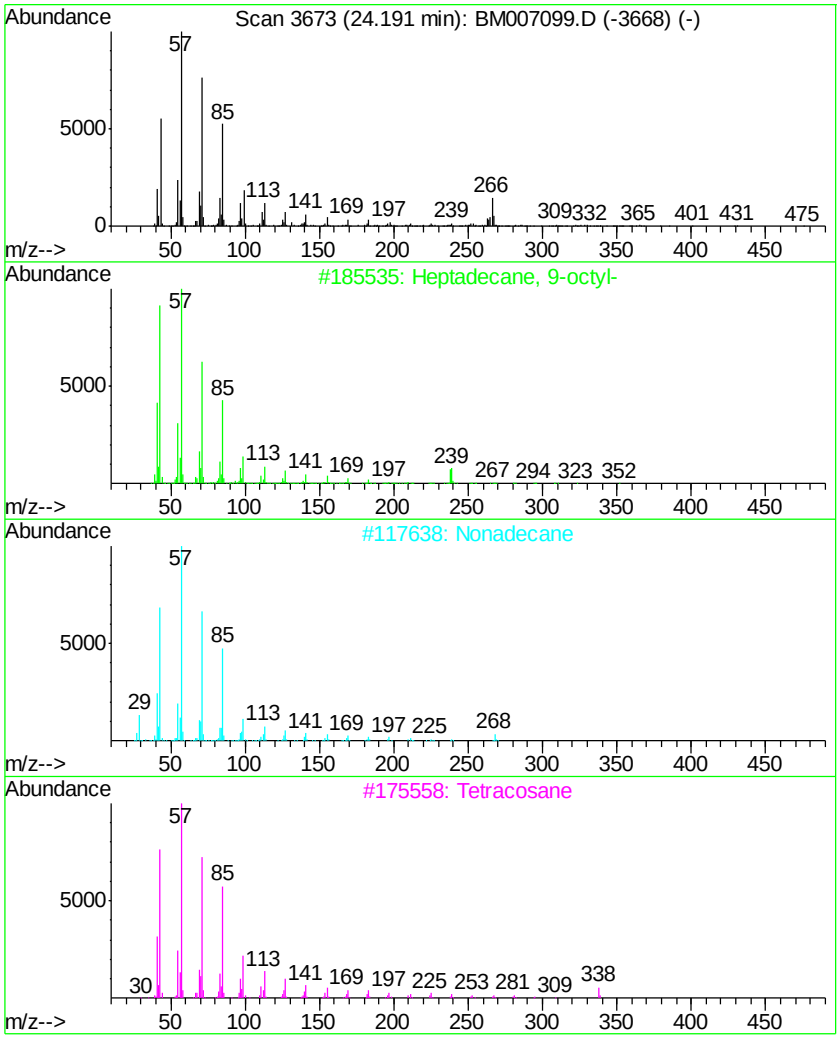
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

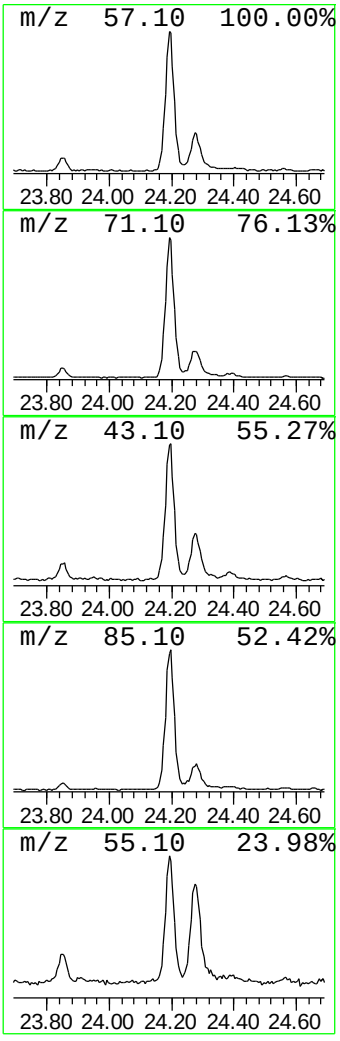
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	5.88 ng/ul	1638640	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
2	Nonadecane	268	C19H40	000629-92-5	93
3	Tetracosane	338	C24H50	000646-31-1	93
4	Hexacosane	366	C26H54	000630-01-3	93
5	Tetracosane	338	C24H50	000646-31-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

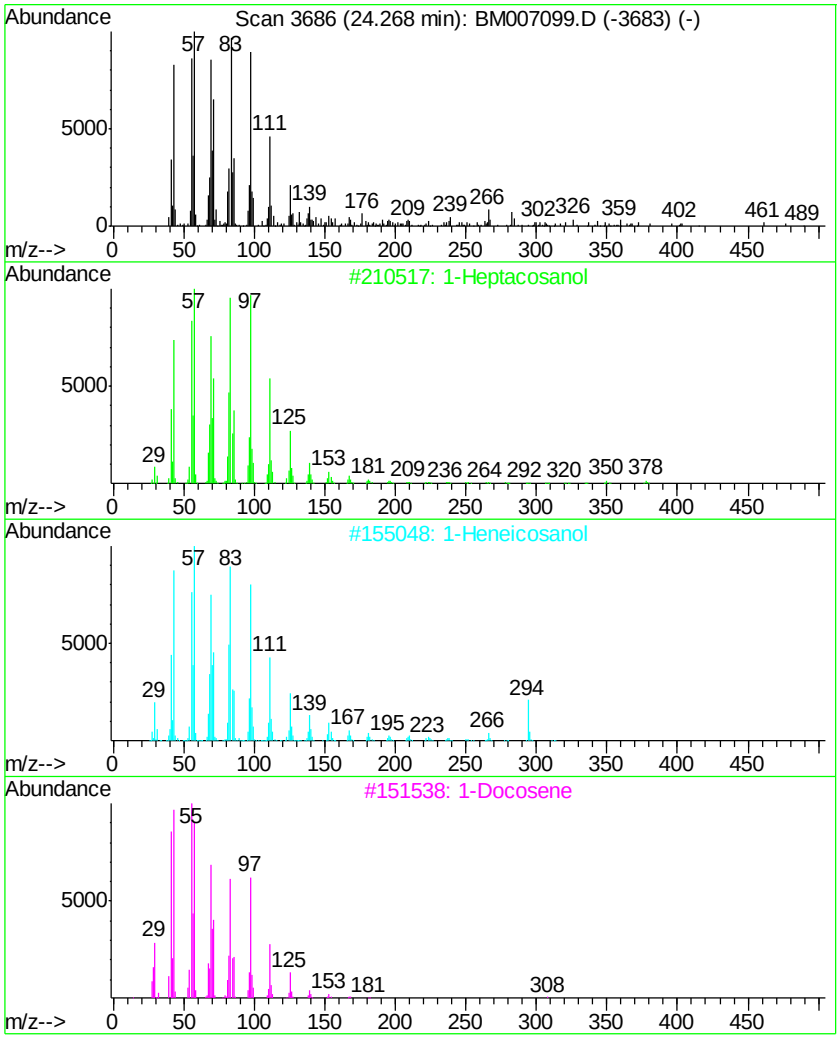
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

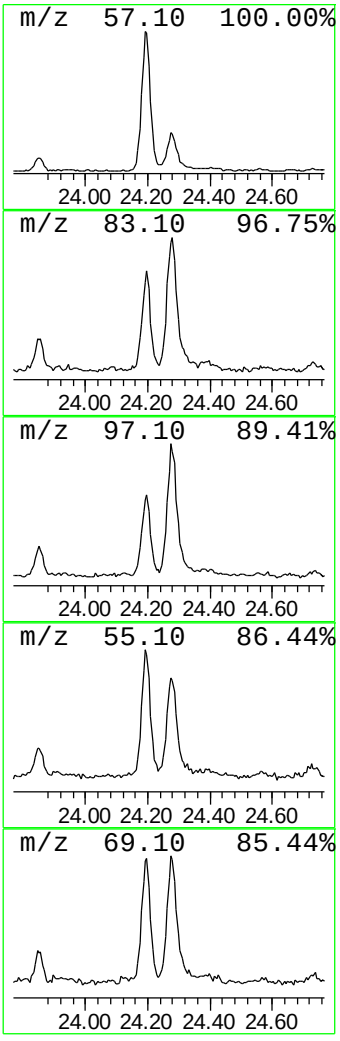
****

Peak Number 18 1-Heptacosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.27	3.73 ng/ul	1038270	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	1-Docosene	308	C22H44	001599-67-3	94
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

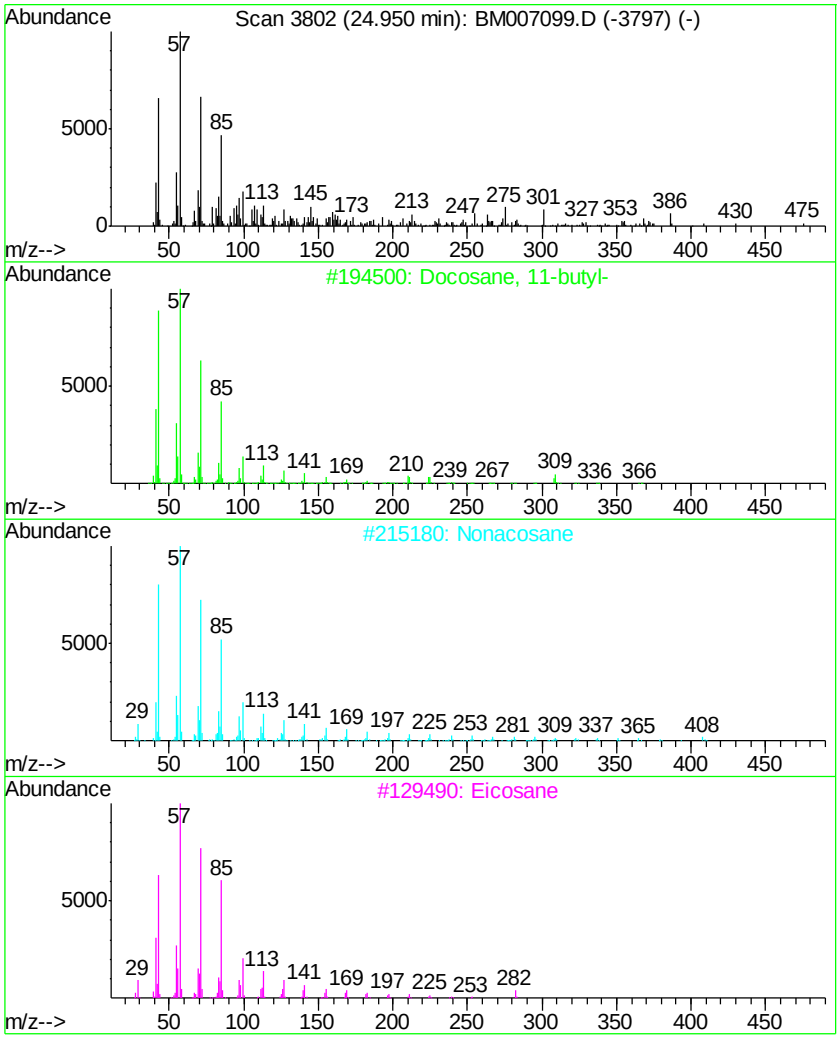
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

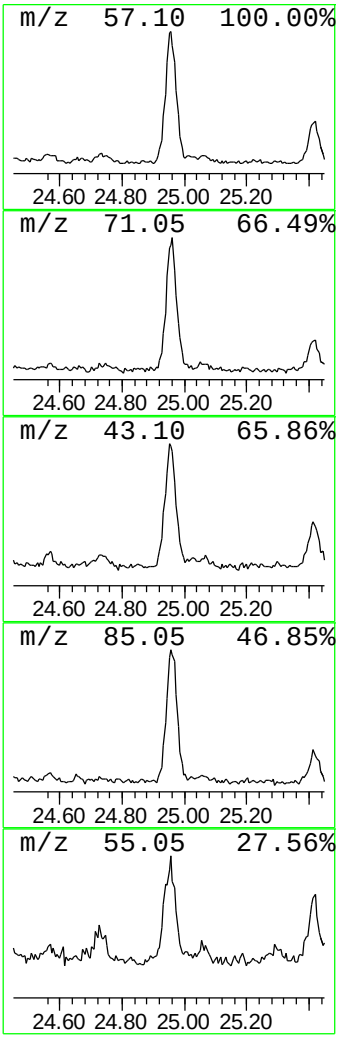
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.95	2.49 ng/ul	694632	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	96
2	Nonacosane	408	C29H60	000630-03-5	86
3	Eicosane	282	C20H42	000112-95-8	83
4	Docosane	310	C22H46	000629-97-0	83
5	Docosane	310	C22H46	000629-97-0	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

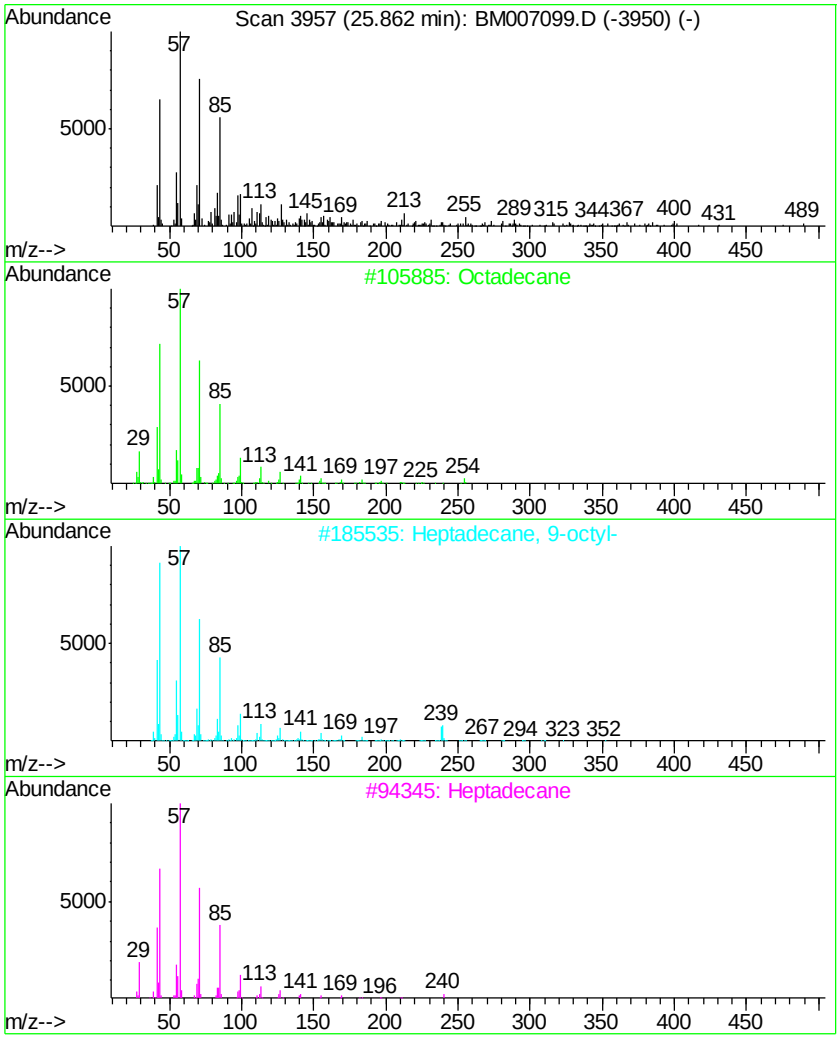
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

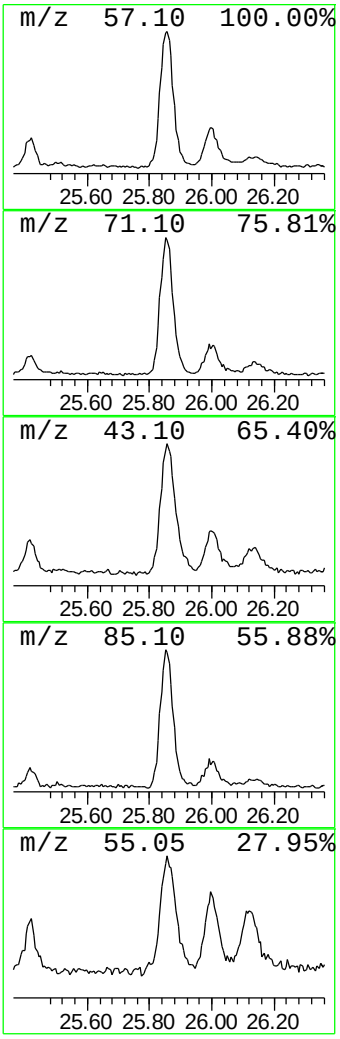
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.86	3.57 ng/ul	995095	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	97
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	Heptadecane	240	C17H36	000629-78-7	93
4	Triacontane	422	C30H62	000638-68-6	90
5	Heneicosane	296	C21H44	000629-94-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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

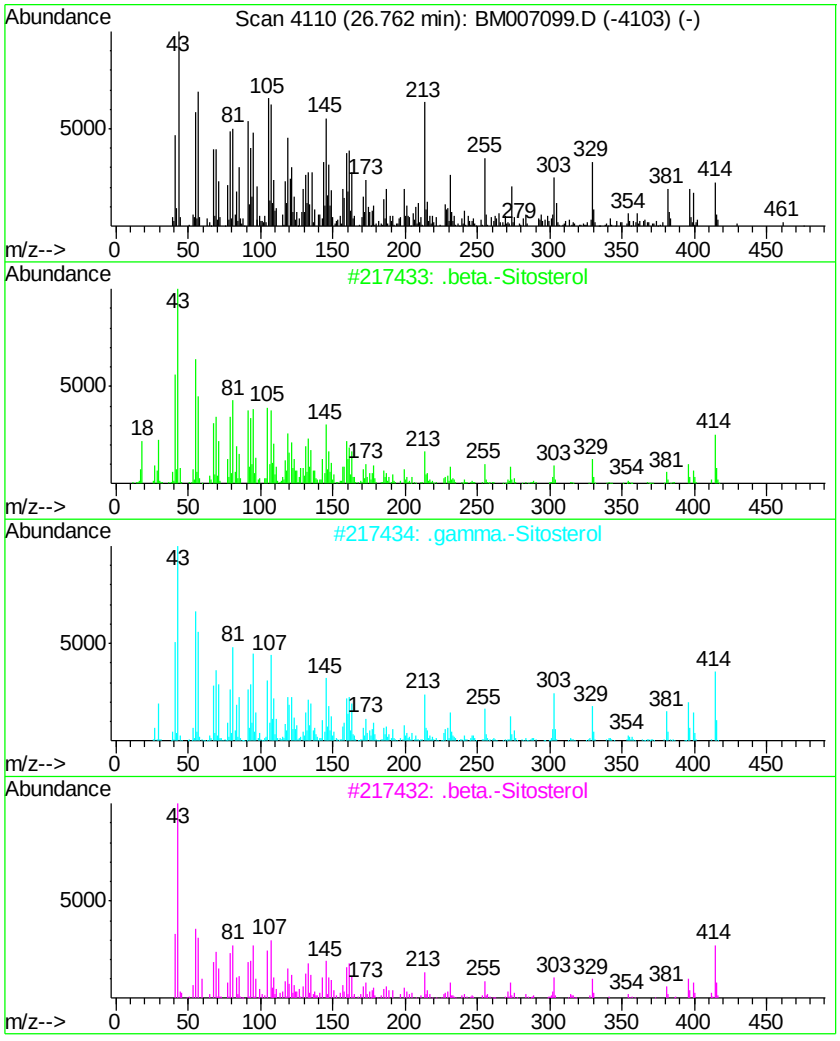
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

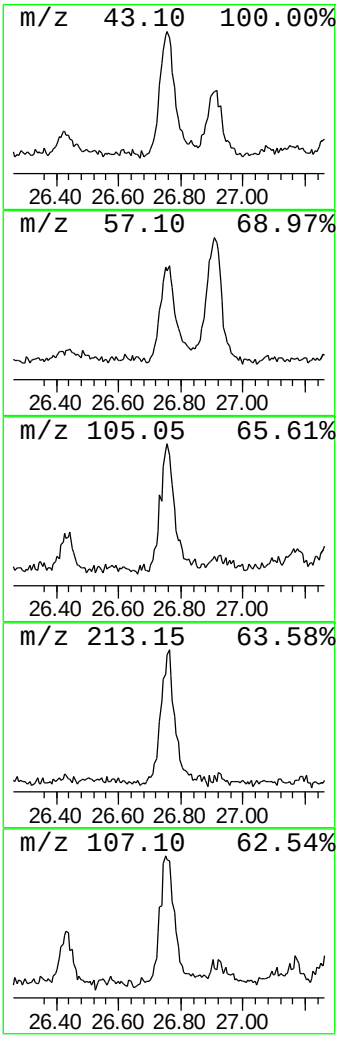
****

Peak Number 21 .beta.-Sitosterol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.76	4.85 ng/ul	1350730	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	95
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	93
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	68
4	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	18
5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007099.D
Acq On : 14 Aug 2016 09:49
Operator : UM/SJ
Sample : H4387-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0002-01

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	2.2	ng/ul	434871	4	17.18	4028730	20.0
n-Hexadecanoic acid	18.08	8.4	ng/ul	1699400	4	17.18	4028730	20.0
Phenanthrene, 2-m...	18.10	3.6	ng/ul	725269	4	17.18	4028730	20.0
Phenanthrene, 1-m...	18.24	4.2	ng/ul	837584	4	17.18	4028730	20.0
Anthracene, 2-met...	18.29	2.6	ng/ul	514750	4	17.18	4028730	20.0
9,10-Anthracenedione	18.60	2.3	ng/ul	466582	4	17.18	4028730	20.0
Phenanthrene, 3,6...	18.86	2.3	ng/ul	468353	4	17.18	4028730	20.0
Phenanthrene, 2,5...	18.97	5.1	ng/ul	1026520	4	17.18	4028730	20.0
9,10-Dimethylanth...	19.03	2.7	ng/ul	541461	4	17.18	4028730	20.0
Phenanthrene, 4,5...	19.11	3.0	ng/ul	604501	4	17.18	4028730	20.0
Pyrene, 1-methyl-	19.92	2.4	ng/ul	898886	5	21.36	7507310	20.0
(DEL) Alkane: Cyc...	21.08	2.8	ng/ul	1061760	5	21.36	7507310	20.0
Triphenylene, 2-m...	21.92	2.0	ng/ul	767649	5	21.36	7507310	20.0
Benz[a]anthracene...	21.97	2.5	ng/ul	933505	5	21.36	7507310	20.0
Oxirane, heptadecyl-	22.67	5.1	ng/ul	1424720	6	23.64	5573130	20.0
(DEL) Alkane: Str...	24.19	5.9	ng/ul	1638640	6	23.64	5573130	20.0
1-Heptacosanol	24.27	3.7	ng/ul	1038270	6	23.64	5573130	20.0
(DEL) Alkane: Str...	24.95	2.5	ng/ul	694632	6	23.64	5573130	20.0
(DEL) Alkane: Str...	25.86	3.6	ng/ul	995095	6	23.64	5573130	20.0
.beta.-Sitosterol	26.76	4.8	ng/ul	1350730	6	23.64	5573130	20.0