LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

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_M\METHODS\SOM02.2-EPA-BM010116.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	6.845	634	639	645	rBB	5385	8152	1.12%	0.131%
2	7.004	662	666	671	rBB	6338	9223	1.27%	0.149%
3	7.198	695	699	705	rBB	6548	9533	1.32%	0.154%
4	7.663	773	778	785	rBB	115031	178031	24.56%	2.871%
5	8.381	896	900	906	rBB	6394	9558	1.32%	0.154%
6	8.828	971	976	981	rBB	6358	9680	1.34%	0.156%
7	10.086	1186	1190	1196	rBB	5941	9589	1.32%	0.155%
8	10.451	1245	1252	1259	rBV	186387	306242	42.25%	4.938%
9	13.727	1805	1809	1814	rBV	20246	26806	3.70%	0.432%
10	13.774	1814	1817	1822	rVB	7781	9683	1.34%	0.156%
11	14.010	1852	1857	1861	rBV	23575	35149	4.85%	0.567%
12	14.321	1904	1910	1918	rBB2	283729	424770	58.60%	6.849%
13	15.315	2074	2079	2085	rVB	36929	50598	6.98%	0.816%
14	16.045	2199	2203	2208	rBB3	3713	6365	0.88%	0.103%
15	17.068	2372	2377	2382	rBV2	353084	516598	71.27%	8.329%
16	17.109	2382	2384	2389	rVV	77372	98571	13.60%	1.589%
17	17.168	2389	2394	2398	rVV	40361	55786	7.70%	0.899%
18	17.204	2398	2400	2407	rVB	14359	16991	2.34%	0.274%
19	17.268	2407	2411	2416	rVB2	3596	6376	0.88%	0.103%
20	17.592	2463	2466	2469	rBV	4875	5818	0.80%	0.094%
21	17.651	2469	2476	2482	rVB3	6678	10721	1.48%	0.173%
22	17.945	2522	2526	2530	rVV	33362	45660	6.30%	0.736%
23	17.998	2530	2535	2540	rVV	38547	53869	7.43%	0.869%
24	18.074	2544	2548	2553	rVV2	9154	14327	1.98%	0.231%
25	18.139	2553	2559	2563	rVV2	49143	89475	12.34%	1.443%
26	18.180	2563	2566	2572	rVB	32286	42813	5.91%	0.690%
27	18.345	2590	2594	2598	rVB3	4616	6592	0.91%	0.106%
28	18.451	2606	2612	2616	rVV2	18501	23922	3.30%	0.386%
29	18.498	2616	2620	2625	rVB2	13089	17909	2.47%	0.289%
30	18.674	2646	2650	2651	rBV	5623	6679	0.92%	0.108%
31	18.698	2651	2654	2660	rVV2	10655	13567	1.87%	0.219%
32	18.751	2660	2663	2666	rVV	13161	14140	1.95%	0.228%
33	18.792	2666	2670	2674	rVB2	8730	11680	1.61%	0.188%
34	18.874	2678	2684	2689	rBV	47598	76240	10.52%	1.229%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

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_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

35	18.933	2689	2694	2698	rVV3	24620	50129	6.92%	0.808%
36	18.968	2698	2700	2703	rVB	15066	13844	1.91%	0.223%
37	19.015	2703	2708	2721	rVB4	22710	53753	7.42%	0.867%
38	19.139	2721	2729	2736	rBV	186035	235100	32.43%	3.791%
39	19.203	2736	2740	2743	rBV2	7757	10710	1.48%	0.173%
40	19.239	2743	2746	2751	rVB2	13087	16546	2.28%	0.267%
41	19.345	2757	2764	2767	rBV3	6129	8292	1.14%	0.134%
42	19.386	2767	2771	2774	rBV2	9961	11960	1.65%	0.193%
43	19.415	2774	2776	2781	rVB2	6648	8171	1.13%	0.132%
44	19.474	2781	2786	2788	rBV2	72380	103934	14.34%	1.676%
45	19.503	2788	2791	2799	rVB	241510	325781	44.94%	5.253%
46	19.580	2799	2804	2810	rVB3	19405	33226	4.58%	0.536%
47	19.745	2828	2832	2837	rVB3	14247	22241	3.07%	0.359%
48	19.833	2837	2847	2858	rBV4	30263	79152	10.92%	1.276%
49	19.921	2858	2862	2866	rBV3	7460	11699	1.61%	0.189%
50	19.968	2866	2870	2872	rBV4	25190	38504	5.31%	0.621%
51	20.003	2872	2876	2881	rVB3	42571	67942	9.37%	1.095%
52	20.074	2884	2888	2890	rBV3	6417	8307	1.15%	0.134%
53	20.103	2890	2893	2897	rBV2	23176	26593	3.67%	0.429%
54	20.162	2897	2903	2908	rBV2	44109	60825	8.39%	0.981%
55	20.203	2908	2910	2915	rVB4	6078	7299	1.01%	0.118%
56	20.250	2915	2918	2922	rVB4	4559	5819	0.80%	0.094%
57	20.303	2922	2927	2931	rBV	46654	61038	8.42%	0.984%
58	20.350	2931	2935	2939	rVB	39371	50560	6.98%	0.815%
59	20.392	2939	2942	2946	rVB3	6954	9584	1.32%	0.155%
60	20.468	2950	2955	2959	rBV6	7654	12704	1.75%	0.205%
61	20.521	2959	2964	2966	rBV3	10972	15634	2.16%	0.252%
62	20.597	2974	2977	2980	rBV3	6649	9161	1.26%	0.148%
63	20.674	2986	2990	2992	rVV4	4979	5946	0.82%	0.096%
64	20.721	2994	2998	3000	rVV5	11186	19044	2.63%	0.307%
65	20.756	3000	3004	3010	rVB2	31735	52463	7.24%	0.846%
66	20.845	3016	3019	3024	rVB2	12001	16648	2.30%	0.268%
67	20.897	3024	3028	3029	rBV2	17458	18975	2.62%	0.306%
68	20.921	3029	3032	3036	rVV	25901	40721	5.62%	0.657%
69	20.962	3036	3039	3042	rVV2	24114	30402	4.19%	0.490%
70	20.997	3042	3045	3050	rVV2	19893	31421	4.33%	0.507%
71	21.056	3050	3055	3061	rVB2	19307	36163	4.99%	0.583%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

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_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

72	21.097	3061	3062	3067	rVB3	6516	7966	1.10%	0.128%
73	21.174	3070	3075	3082	rBV4	4660	11461	1.58%	0.185%
74	21.274	3085	3092	3096	rBV2	466440	724853	100.00%	11.687%
75	21.315	3096	3099	3108	rVB	111903	155045	21.39%	2.500%
76	21.392	3109	3112	3116	rBV2	9877	14084	1.94%	0.227%
77	21.433	3116	3119	3125	rVB4	17565	21881	3.02%	0.353%
78	21.492	3125	3129	3131	rBV3	6090	9564	1.32%	0.154%
79	21.639	3150	3154	3158	rVB4	10764	14572	2.01%	0.235%
80	21.727	3164	3169	3173	rBV4	10452	17384	2.40%	0.280%
81	21.774	3173	3177	3179	rBV	11847	13304	1.84%	0.215%
82	21.827	3179	3186	3190	rVV	47899	84436	11.65%	1.361%
83	21.880	3192	3195	3201	rVB	26005	38422	5.30%	0.620%
84	21.944	3201	3206	3209	rBV4	13993	19751	2.72%	0.318%
85	21.980	3209	3212	3215	rVB3	7479	8569	1.18%	0.138%
86	22.021	3215	3219	3222	rBV2	25681	35518	4.90%	0.573%
87	22.121	3231	3236	3241	rVB3	15467	25946	3.58%	0.418%
88	22.333	3265	3272	3273	rBV6	12926	23187	3.20%	0.374%
89	22.421	3285	3287	3290	rBV2	4496	5951	0.82%	0.096%
90	22.844	3349	3359	3370	rBV	64249	209150	28.85%	3.372%
91	23.015	3384	3388	3392	rBV	11729	17743	2.45%	0.286%
92	23.321	3434	3440	3444	rBV	42656	75116	10.36%	1.211%
93	23.368	3444	3448	3452	rVV	29645	53513	7.38%	0.863%
94	23.415	3452	3456	3463	rVB	67467	120332	16.60%	1.940%
95	23.515	3465	3473	3479	rBV	241971	460786	63.57%	7.430%
96	23.562	3479	3481	3489	rVB5	17481	30020	4.14%	0.484%
97	24.238	3594	3596	3602	rBV5	4801	8760	1.21%	0.141%
98	25.762	3847	3855	3867	rVB	29307	85200	11.75%	1.374%
99	26.015	3893	3898	3900	rBV4	6563	11160	1.54%	0.180%
100	26.456	3965	3973	3985	rVB3	21148	66992	9.24%	1.080%

Sum of corrected areas: 6202070

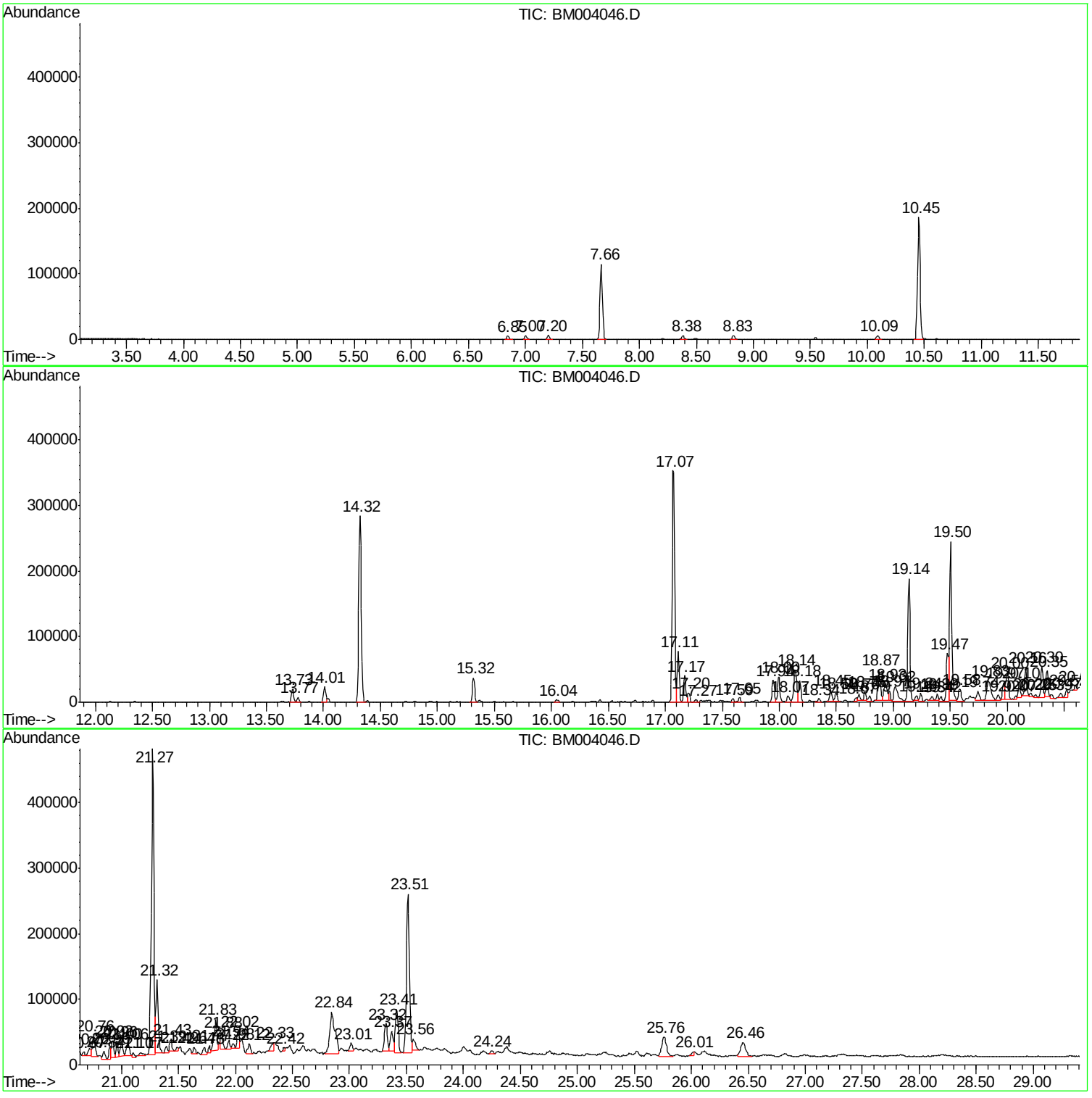
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

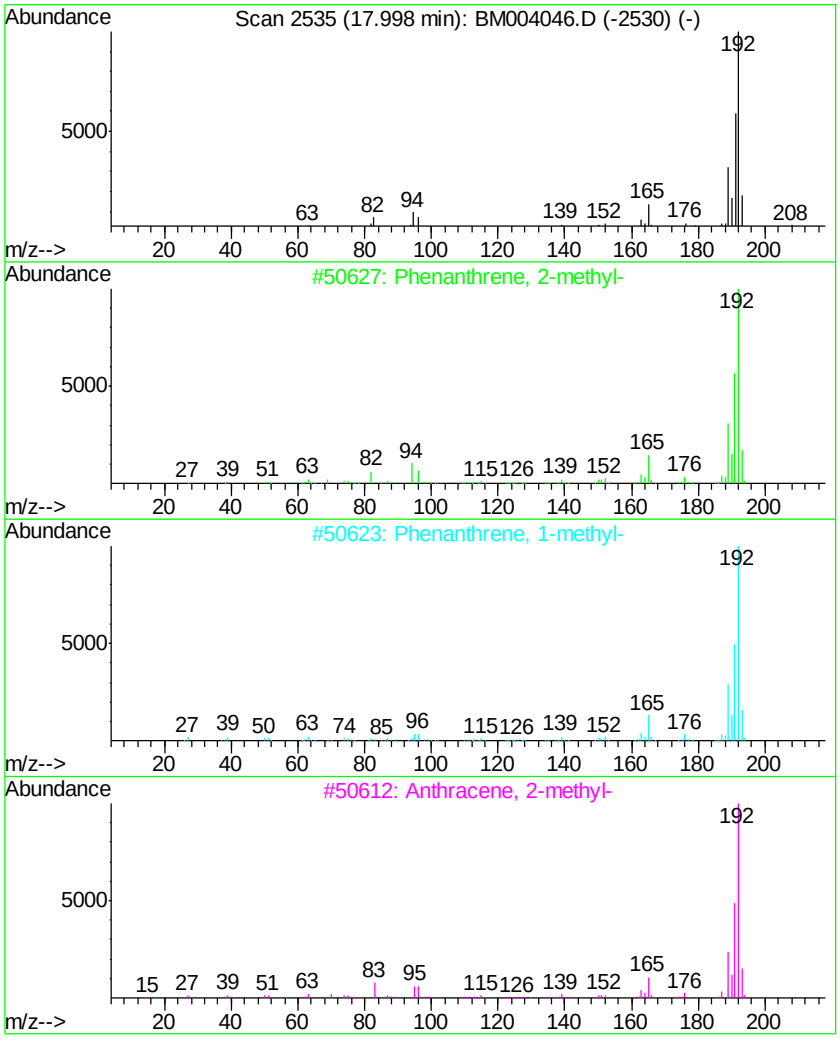
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

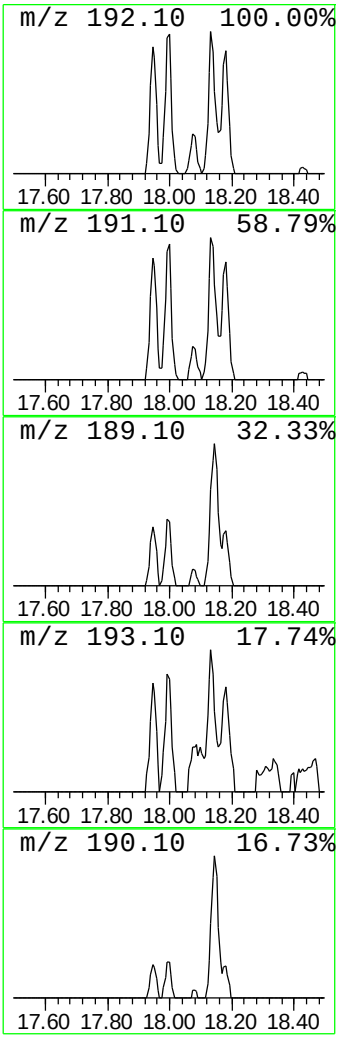
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.09 ng/ul	53869	Phenanthrene-d10	17.07

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

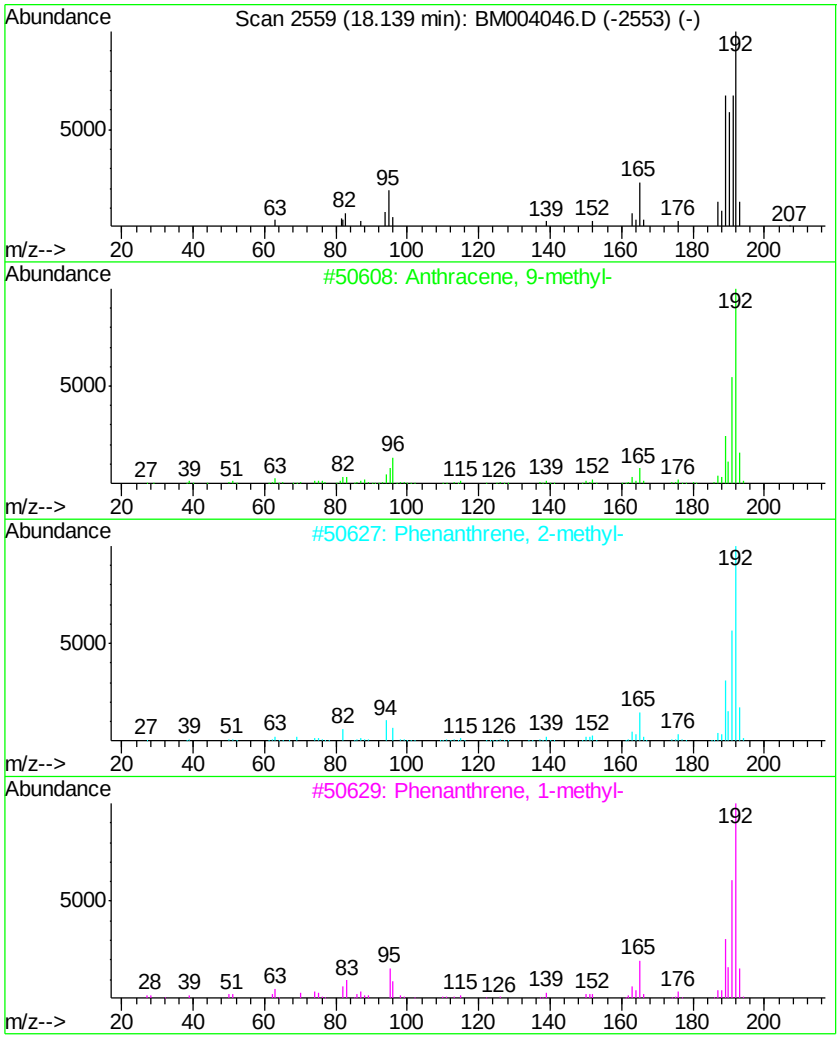
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

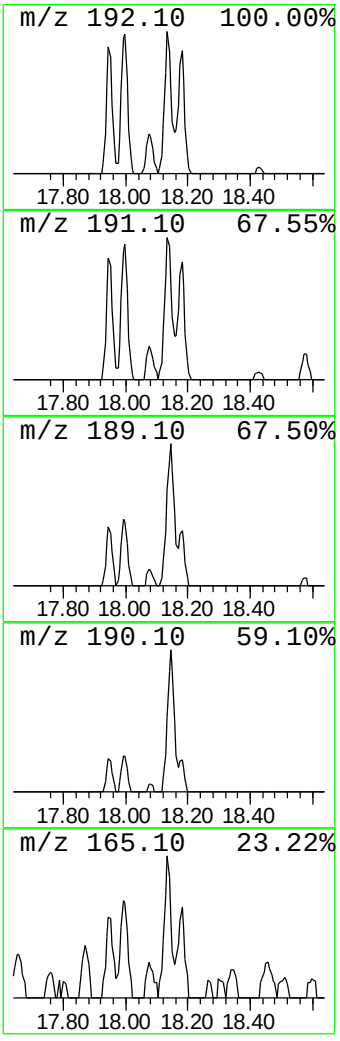
****

Peak Number 2 Anthracene, 9-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.46 ng/ul	89475	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

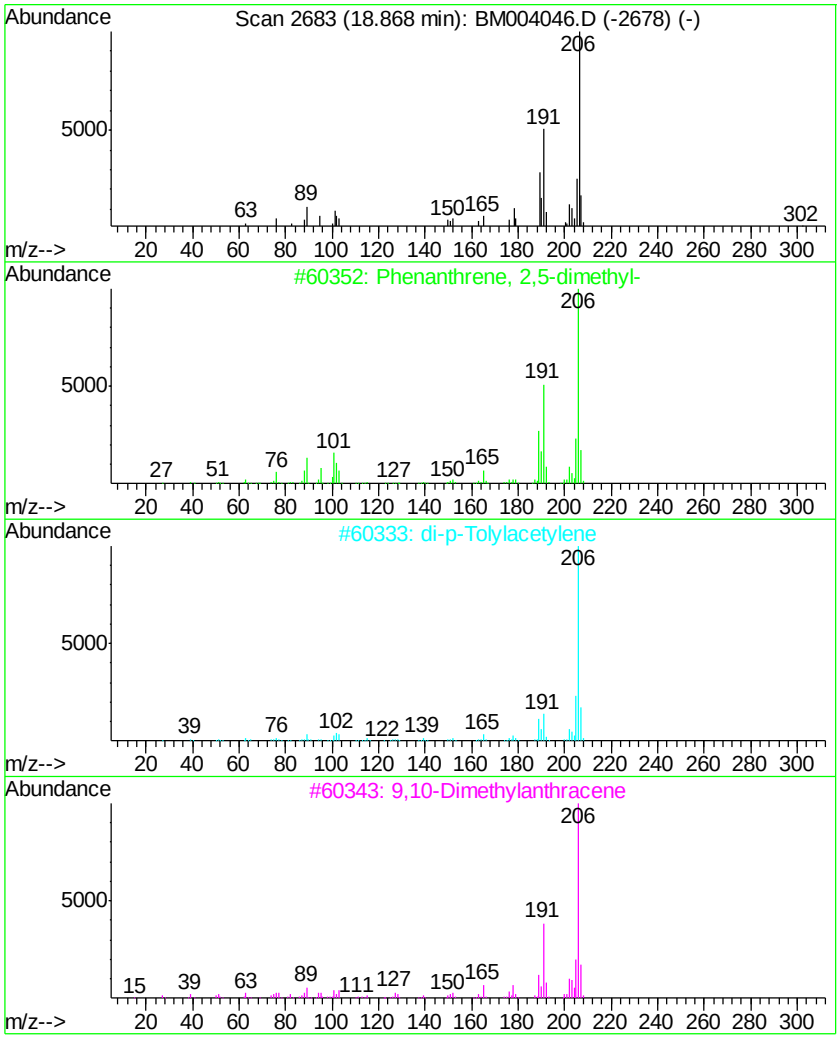
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

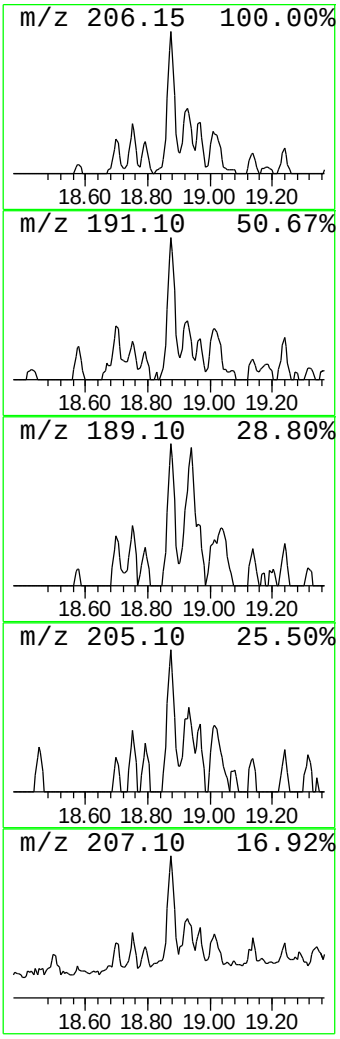
****

Peak Number 3 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.95 ng/ul	76240	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

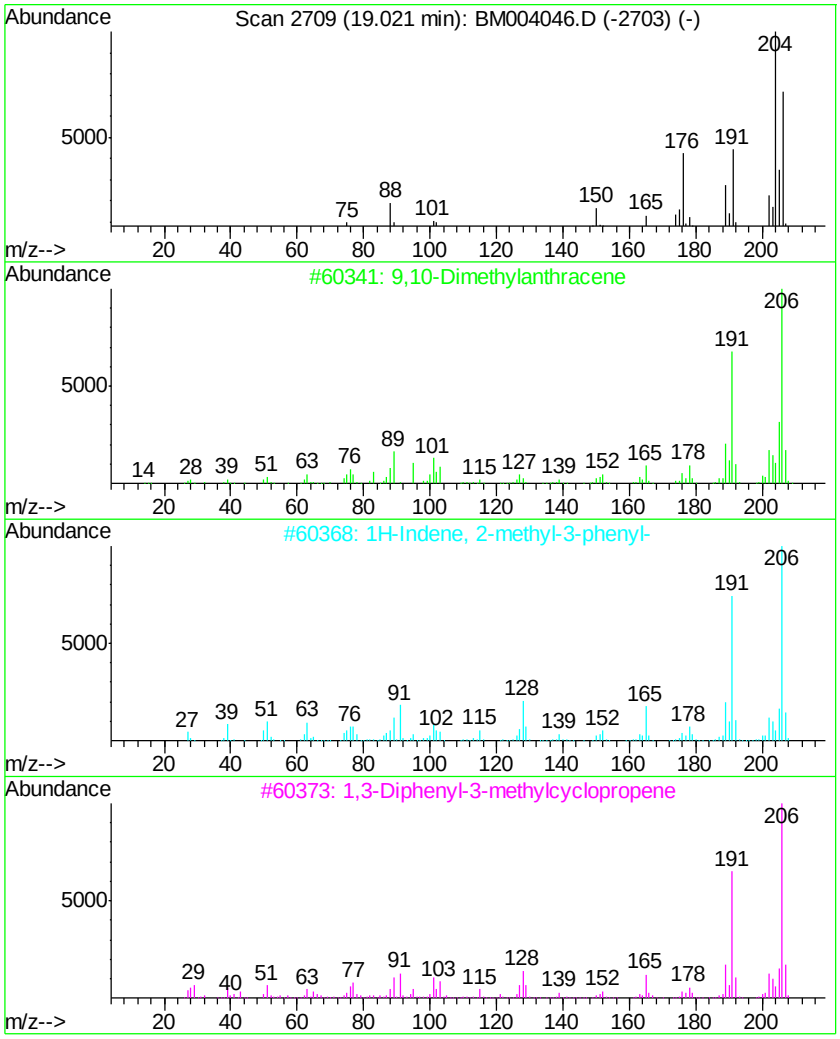
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

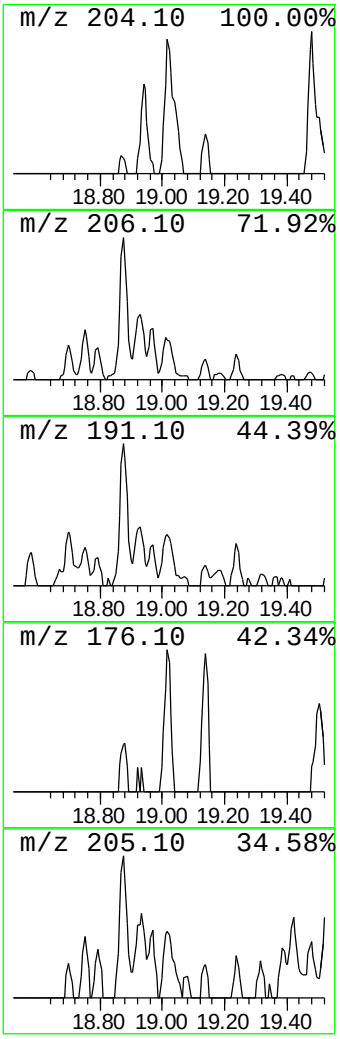
****

Peak Number 4 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.08 ng/ul	53753	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

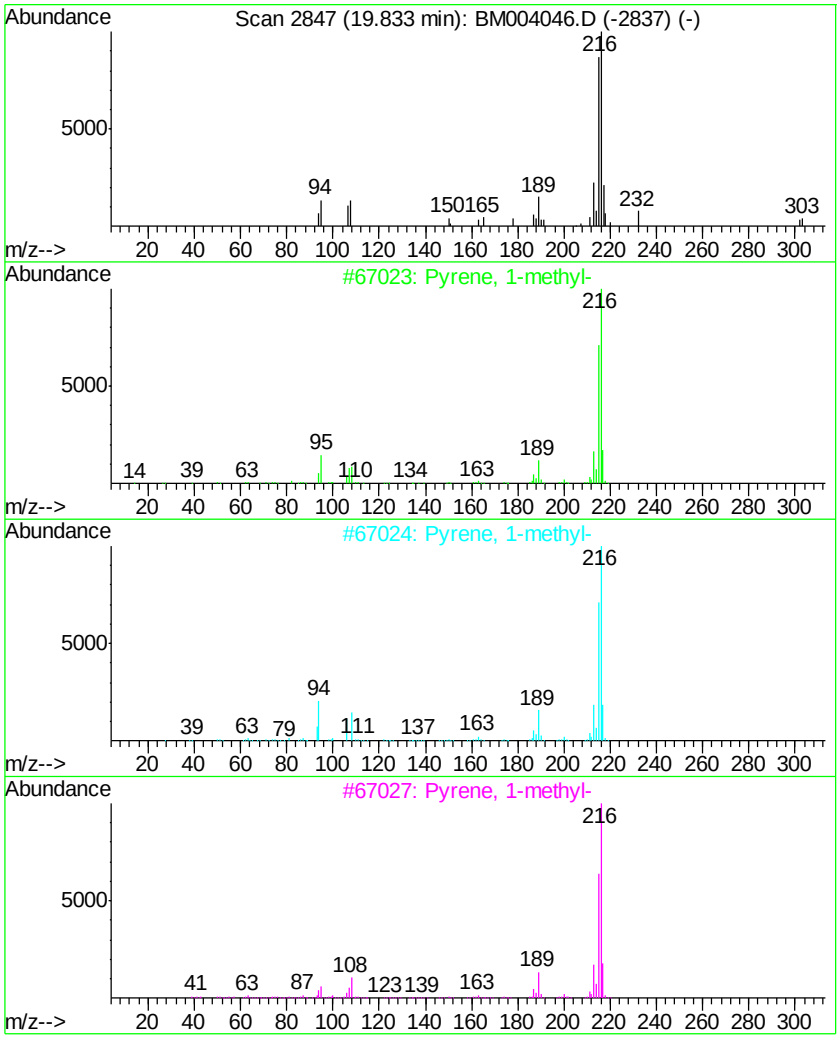
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

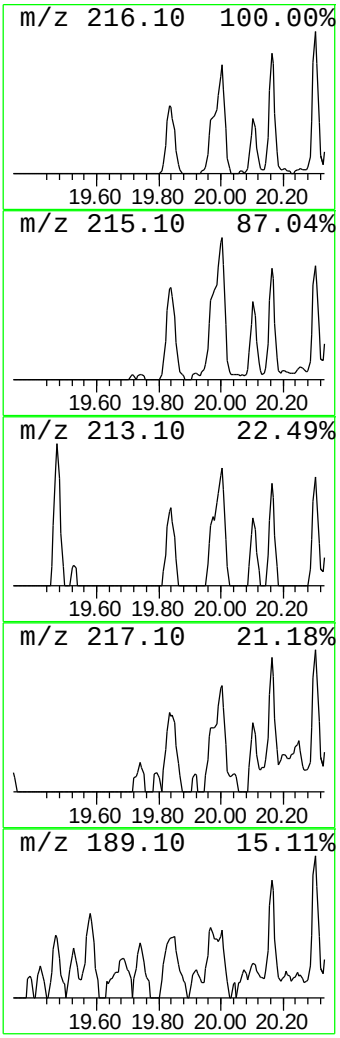
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.18 ng/ul	79152	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

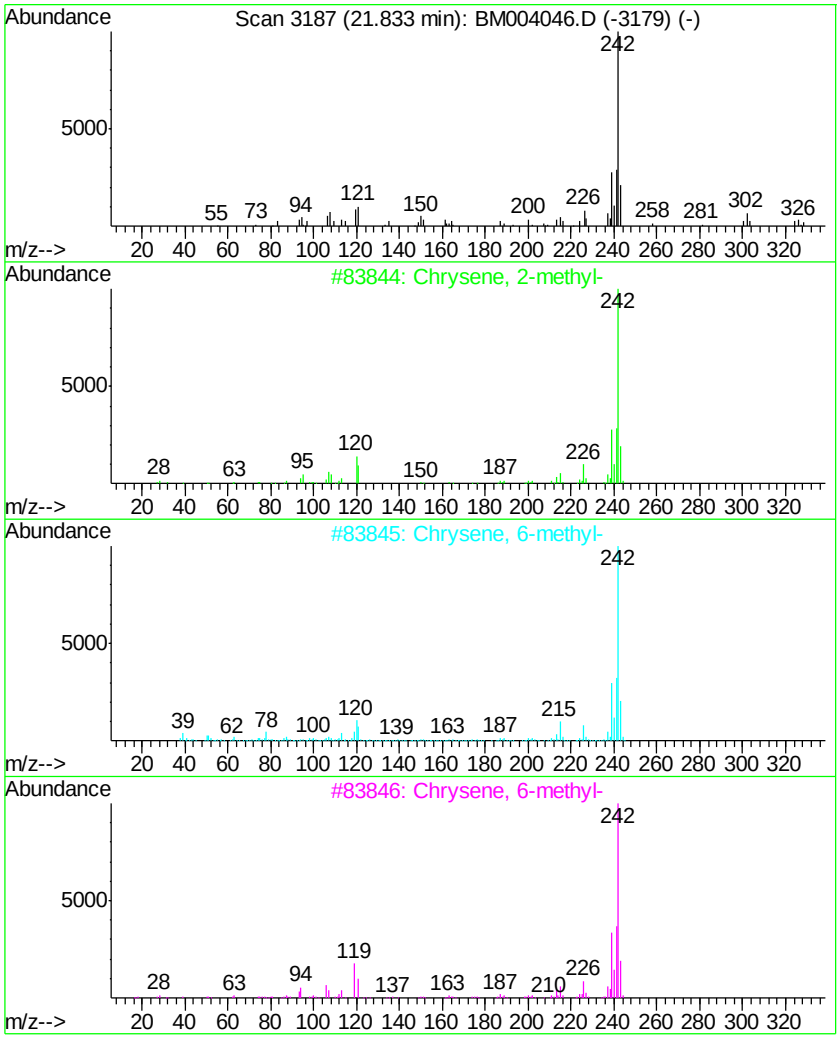
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

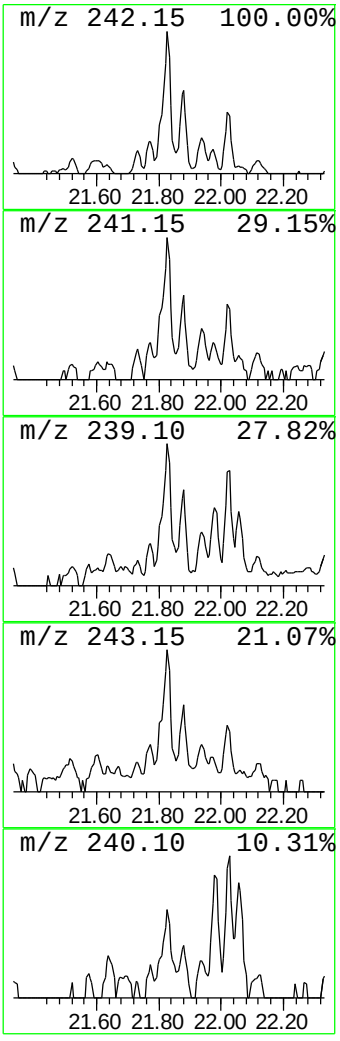
****

Peak Number 6 Chrysene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.33 ng/ul	84436	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
2	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	89
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004046.D
Acq On : 15 Jan 2016 14:11
Operator : SJ/UM
Sample : H1100-04DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2-m...	18.00	2.1	ng/ul	53869	4	17.07	516598	20.0
Anthracene, 9-met...	18.14	3.5	ng/ul	89475	4	17.07	516598	20.0
Phenanthrene, 2,5...	18.87	3.0	ng/ul	76240	4	17.07	516598	20.0
9,10-Dimethylanth...	19.02	2.1	ng/ul	53753	4	17.07	516598	20.0
Pyrene, 1-methyl-	19.83	2.2	ng/ul	79152	5	21.27	724853	20.0
Chrysene, 2-methyl-	21.83	2.3	ng/ul	84436	5	21.27	724853	20.0