LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014403.D
Acq On : 28 Feb 2018 14:36
Operator : SJ/JU
Sample : J1646-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X2

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\SOM-EPA-BM021418.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	6.728	631	636	650	rBV2	94969	245073	8.69%	0.838%
2	6.875	656	661	668	rBV	80659	135827	4.82%	0.465%
3	7.063	686	693	704	rBV2	132902	246136	8.73%	0.842%
4	7.522	764	771	780	rBV	433568	751093	26.64%	2.569%
5	8.257	889	896	905	rBV3	107769	242061	8.58%	0.828%
6	8.686	962	969	982	rBV2	107586	237640	8.43%	0.813%
7	9.398	1082	1090	1098	rBV2	94428	187670	6.66%	0.642%
8	9.951	1176	1184	1195	rBV	99558	256157	9.08%	0.876%
9	10.286	1232	1241	1259	rBV	610989	1093287	38.77%	3.739%
10	10.469	1266	1272	1281	rBV4	58237	155179	5.50%	0.531%
11	13.492	1779	1786	1792	rBV4	16709	36566	1.30%	0.125%
12	13.598	1799	1804	1809	rBV	256915	395313	14.02%	1.352%
13	13.651	1809	1813	1820	rVB	84343	132432	4.70%	0.453%
14	13.868	1845	1850	1854	rBV	338591	538997	19.12%	1.844%
15	14.180	1897	1903	1909	rBV2	902215	1341608	47.58%	4.589%
16	14.239	1909	1913	1920	rVB4	51243	81772	2.90%	0.280%
17	14.492	1952	1956	1961	rBV5	31958	68705	2.44%	0.235%
18	14.592	1969	1973	1979	rVB2	40805	61005	2.16%	0.209%
19	15.039	2047	2049	2058	rVB7	18467	29097	1.03%	0.100%
20	15.180	2068	2073	2079	rBV	381069	576333	20.44%	1.971%
21	15.239	2079	2083	2093	rVB2	75964	133442	4.73%	0.456%
22	15.539	2128	2134	2136	rBV2	37984	56673	2.01%	0.194%
23	15.692	2152	2160	2168	rVB5	32136	76761	2.72%	0.263%
24	15.915	2191	2198	2199	rBV5	23874	38516	1.37%	0.132%
25	16.245	2249	2254	2259	rBV5	31751	64904	2.30%	0.222%
26	16.480	2290	2294	2296	rBV3	27495	35064	1.24%	0.120%
27	16.604	2310	2315	2322	rVB3	32774	58497	2.07%	0.200%
28	16.674	2322	2327	2329	rBV3	36216	55420	1.97%	0.190%
29	16.762	2338	2342	2349	rVB	55108	84887	3.01%	0.290%
30	16.939	2365	2372	2376	rBV	1054853	1542656	54.71%	5.276%
31	16.980	2376	2379	2385	rVV	1090441	1526693	54.15%	5.222%
32	17.039	2385	2389	2392	rVV2	442657	621723	22.05%	2.126%
33	17.074	2392	2395	2402	rVB	272957	398926	14.15%	1.364%
34	17.362	2437	2444	2454	rBV3	58274	155557	5.52%	0.532%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1646-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X2

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\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	17.462	2458	2461	2464	rVV4	22962	30398	1.08%	0.104%
36	17.815	2517	2521	2524	rBV2	163145	235162	8.34%	0.804%
37	17.868	2525	2530	2535	rVB	227401	366962	13.01%	1.255%
38	17.951	2540	2544	2549	rVV2	95896	142307	5.05%	0.487%
39	18.009	2549	2554	2558	rVV3	216888	390967	13.87%	1.337%
40	18.051	2558	2561	2567	rVB	107194	146576	5.20%	0.501%
41	18.139	2572	2576	2579	rBV6	31844	45056	1.60%	0.154%
42	18.186	2580	2584	2586	rBV5	20183	28875	1.02%	0.099%
43	18.327	2603	2608	2613	rBV2	115849	178285	6.32%	0.610%
44	18.386	2613	2618	2624	rVV3	76221	117695	4.17%	0.403%
45	18.574	2647	2650	2654	rVB5	30674	41991	1.49%	0.144%
46	18.621	2656	2658	2662	rVV3	42673	43331	1.54%	0.148%
47	18.662	2663	2665	2670	rVB5	37227	51595	1.83%	0.176%
48	18.745	2675	2679	2683	rBV4	84707	143179	5.08%	0.490%
49	18.809	2688	2690	2693	rVB4	41986	43133	1.53%	0.148%
50	18.892	2702	2704	2713	rVB4	84058	138412	4.91%	0.473%
51	19.015	2719	2725	2730	rBV	2015738	2635962	93.49%	9.016%
52	19.115	2739	2742	2747	rBV7	44076	84084	2.98%	0.288%
53	19.168	2749	2751	2755	rVB	64327	63231	2.24%	0.216%
54	19.256	2763	2766	2772	rVB	62872	84276	2.99%	0.288%
55	19.351	2777	2782	2784	rBV2	784818	1133634	40.21%	3.877%
56	19.380	2784	2787	2796	rVB	1581798	2058261	73.00%	7.040%
57	19.456	2796	2800	2805	rBV3	97903	147429	5.23%	0.504%
58	19.568	2815	2819	2822	rBV	106625	141884	5.03%	0.485%
59	19.709	2838	2843	2851	rVB5	93376	242703	8.61%	0.830%
60	19.850	2862	2867	2868	rBV5	82573	139612	4.95%	0.478%
61	19.880	2869	2872	2878	rVB2	222117	316531	11.23%	1.083%
62	19.980	2886	2889	2893	rBV2	123716	153645	5.45%	0.526%
63	20.039	2896	2899	2904	rVB2	148208	217700	7.72%	0.745%
64	20.180	2920	2923	2926	rBV2	78535	87651	3.11%	0.300%
65	20.639	2998	3001	3004	rBV2	152483	189468	6.72%	0.648%
66	20.797	3025	3028	3031	rBV	138351	190888	6.77%	0.653%
67	20.874	3038	3041	3045	rBV3	149054	197055	6.99%	0.674%
68	21.068	3071	3074	3078	rVB	241409	251904	8.93%	0.862%
69	21.150	3082	3088	3092	rVV2	1527588	2819600	100.00%	9.644%
70	21.192	3092	3095	3099	rVB	718750	847450	30.06%	2.898%
71	22.691	3345	3350	3355	rBV2	494073	1112592	39.46%	3.805%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : BE5X2

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\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	23.144	3424	3427	3431	rVB	225361	312180	11.07%	1.068%
73	23.238	3439	3443	3451	rVB	484183	830492	29.45%	2.840%
74	23.333	3454	3459	3464	rBV2	675077	1173796	41.63%	4.015%

Sum of corrected areas: 29237622

LSC Report - Integrated Chromatogram

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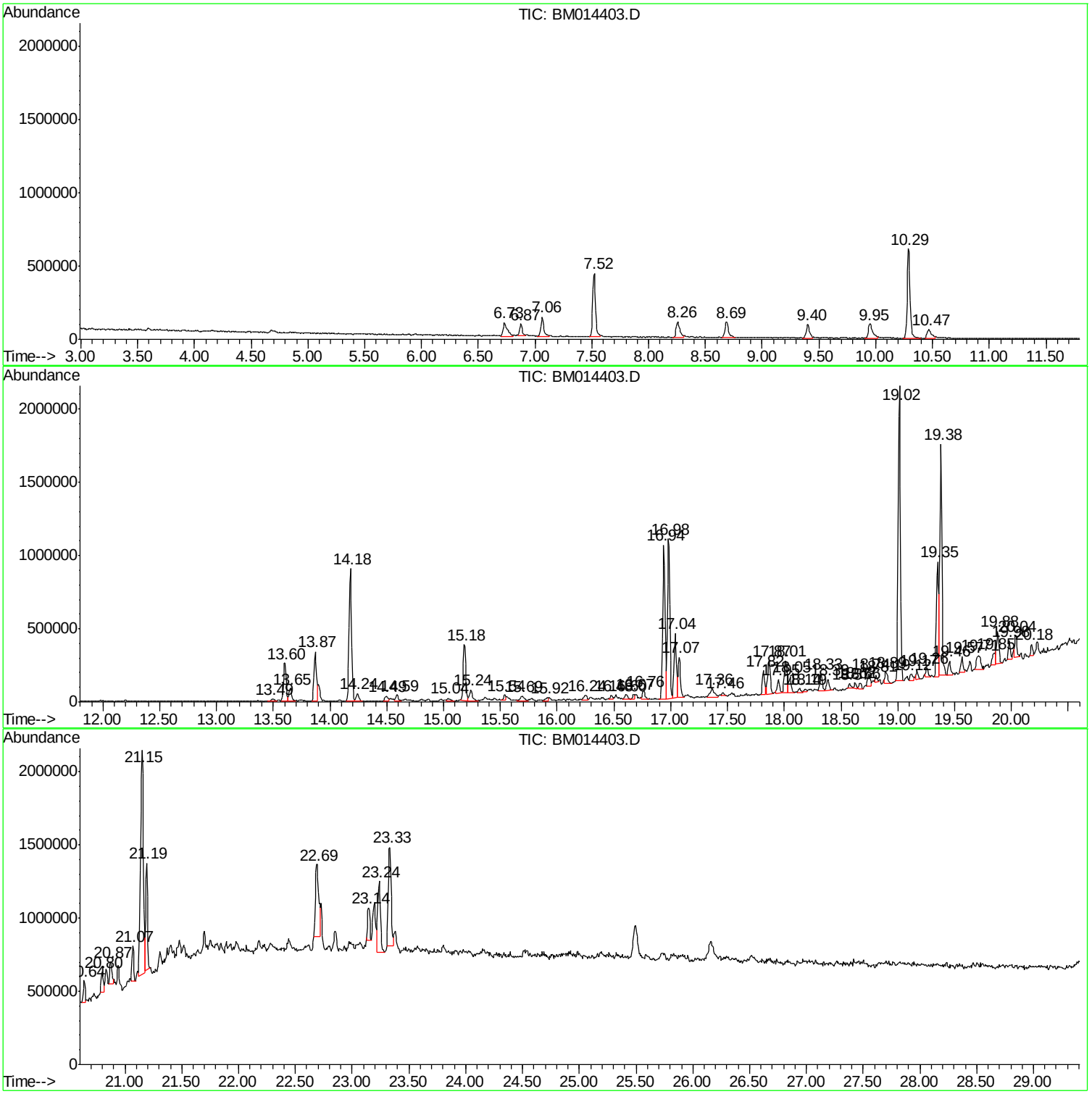
Sample : J1646-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014403.D
Acq On : 28 Feb 2018 14:36
Operator : SJ/JU
Sample : J1646-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

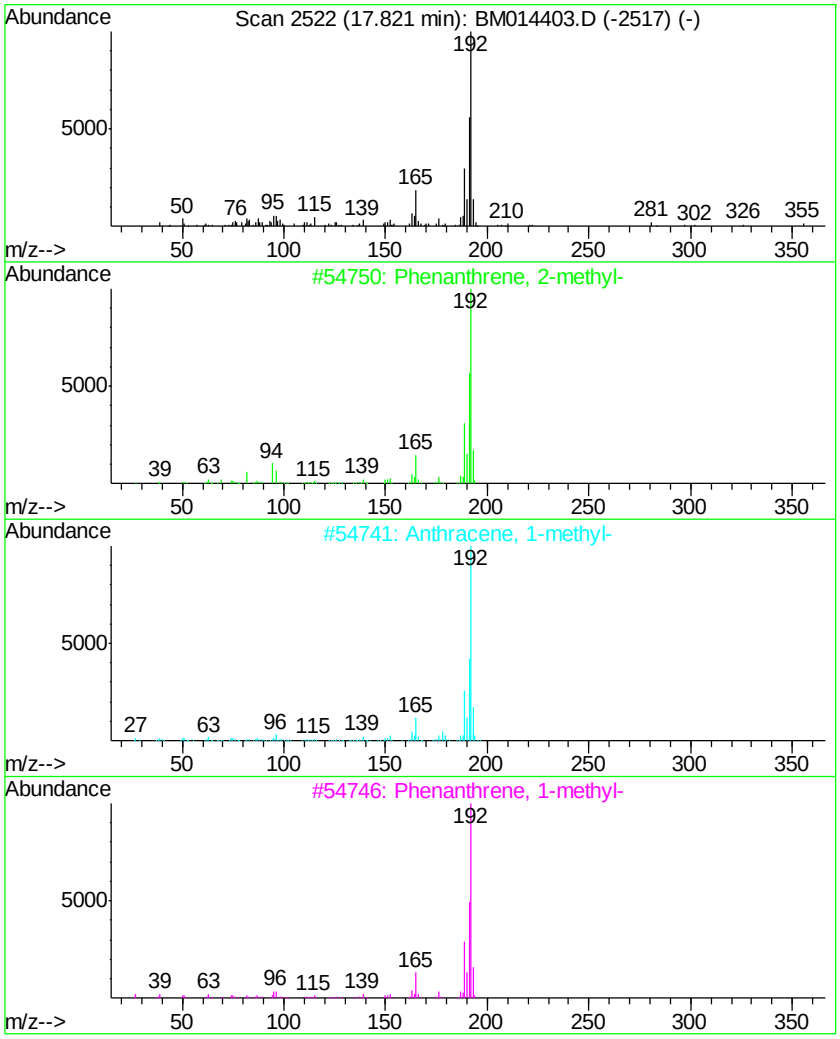
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

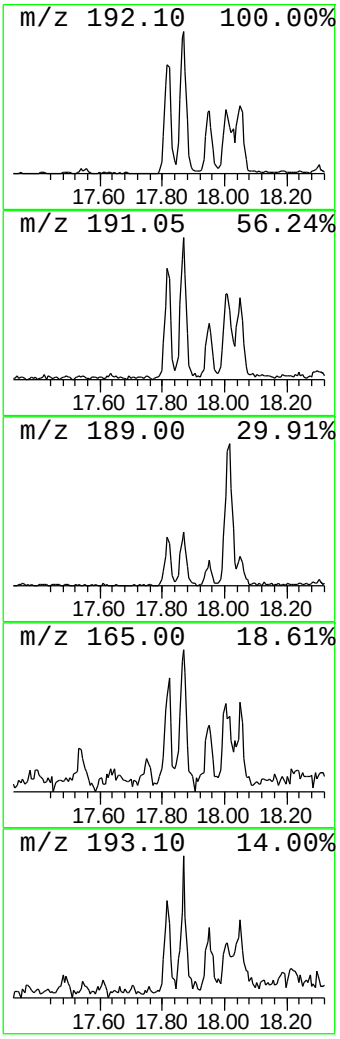
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	3.05 ng/ul	235162	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014403.D
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Operator : SJ/JU
Sample : J1646-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

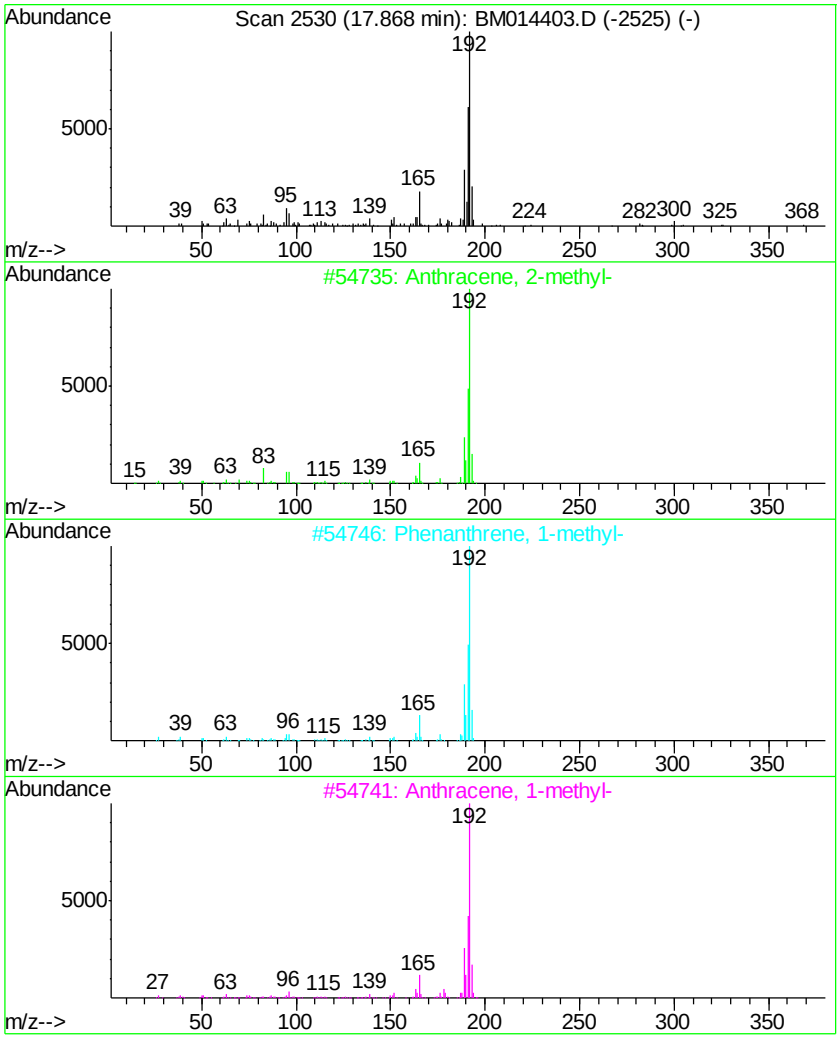
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

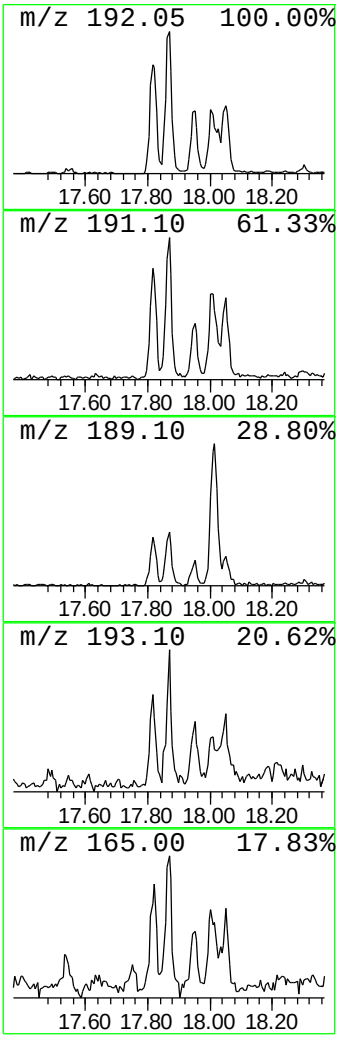
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	4.76 ng/ul	366962	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : J1646-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

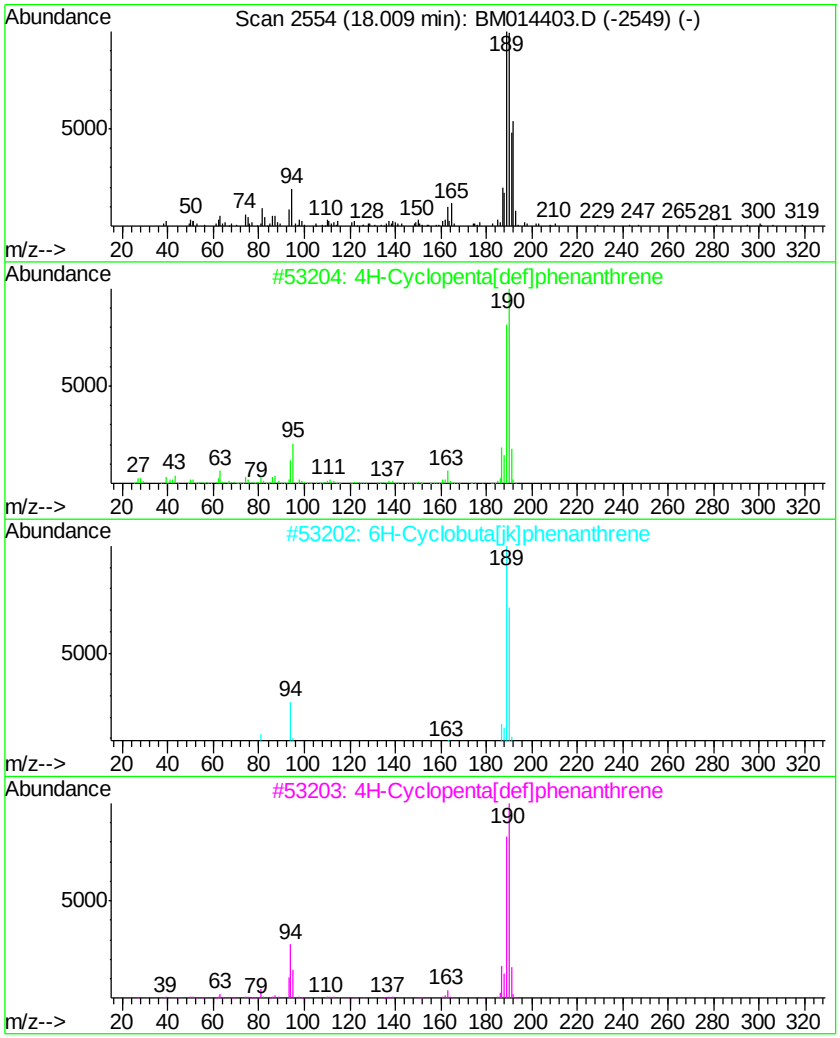
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

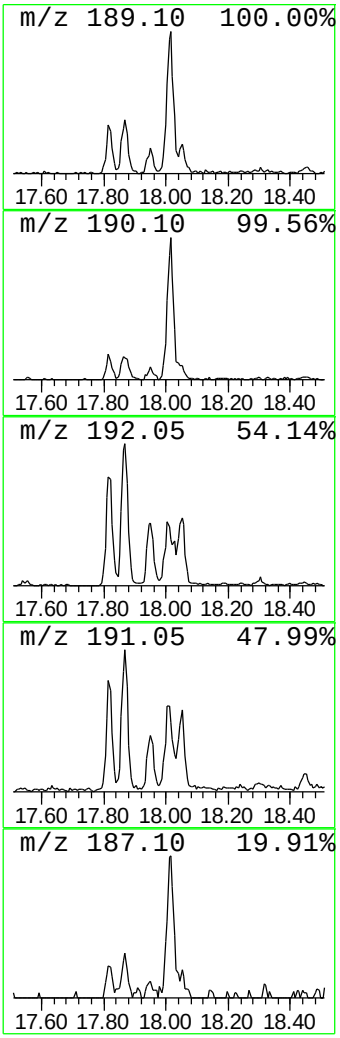
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	5.07 ng/ul	390967	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	38
5	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	35





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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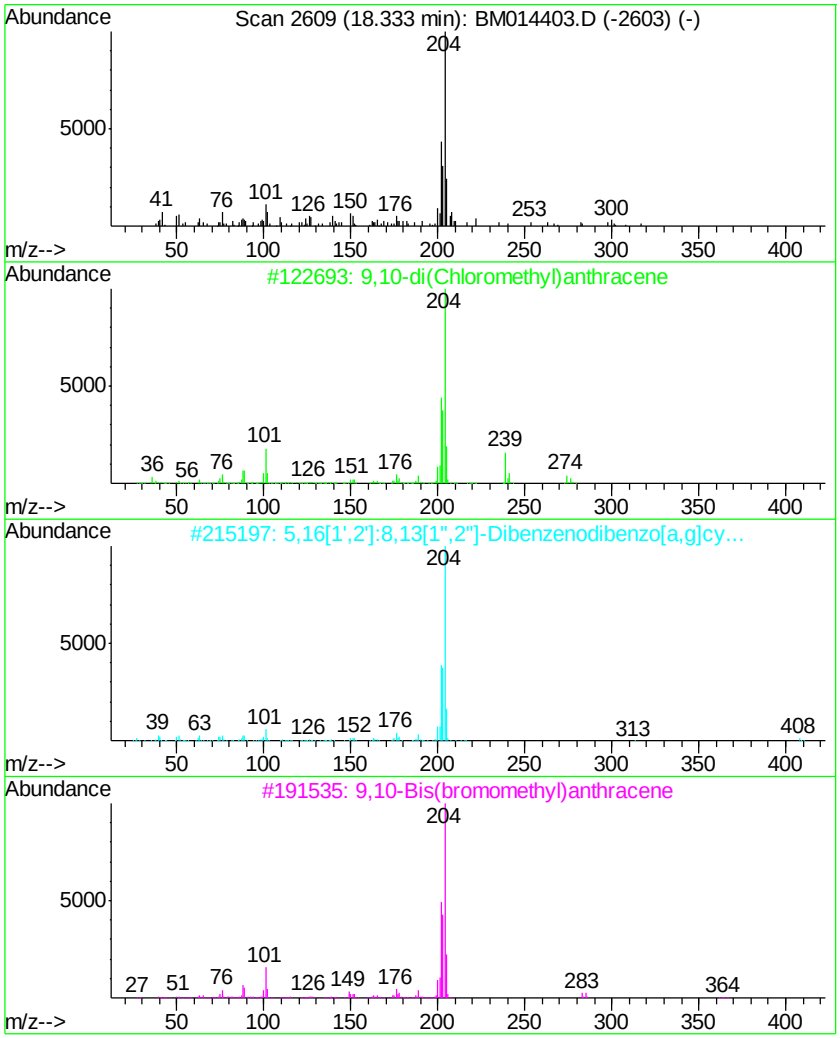
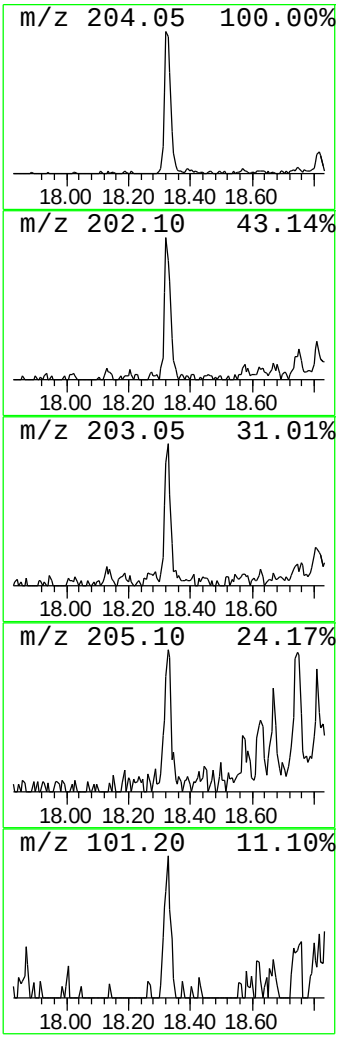
Peak Number 4 9,10-di(Chloromethyl)anthra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	2.31 ng/ul	178285	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

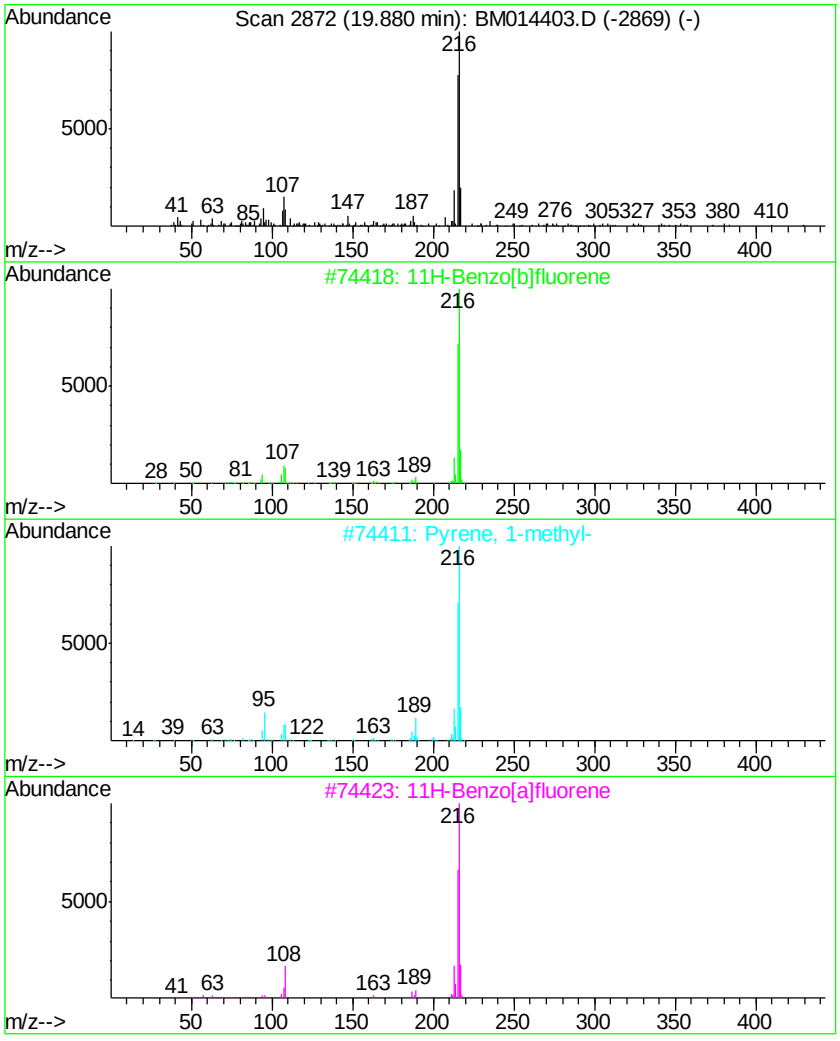
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

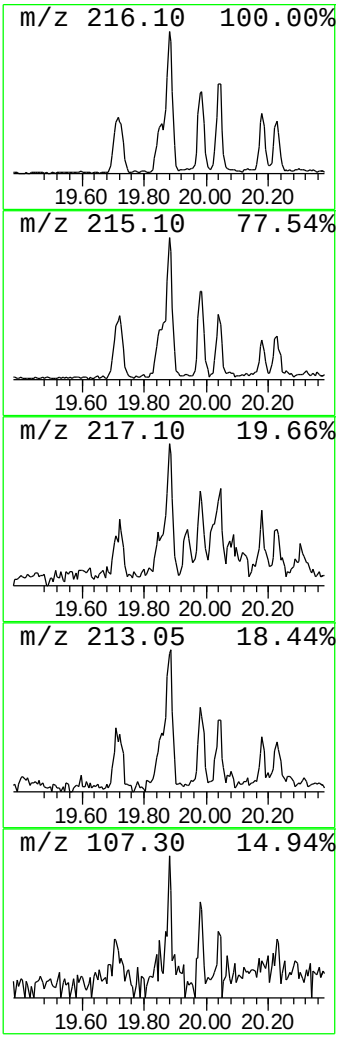
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.25 ng/ul	316531	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
Phenanthrene, 2-m...	17.82	3.0	ng/ul	235162	4	16.94	1542660	20.0
Anthracene, 2-met...	17.87	4.8	ng/ul	366962	4	16.94	1542660	20.0
4H-Cyclopenta[def...	18.01	5.1	ng/ul	390967	4	16.94	1542660	20.0
9,10-di(Chloromet...	18.33	2.3	ng/ul	178285	4	16.94	1542660	20.0
11H-Benzo[b]fluorene	19.88	2.3	ng/ul	316531	5	21.16	2819600	20.0