LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014398.D
Acq On : 28 Feb 2018 11:36
Operator : SJ/JU
Sample : J1646-09DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3DL

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	3.593	101	103	110	rVB2	28043	32676	1.41%	0.142%
2	6.734	631	637	644	rBV3	53786	129407	5.59%	0.563%
3	6.875	657	661	671	rVB2	48829	88949	3.84%	0.387%
4	7.063	687	693	704	rBV3	88929	177646	7.67%	0.773%
5	7.516	762	770	781	rBV	397823	709183	30.61%	3.086%
6	8.263	891	897	906	rBV4	63570	152757	6.59%	0.665%
7	8.687	963	969	977	rBV	76122	148482	6.41%	0.646%
8	9.404	1085	1091	1101	rBV6	64414	135627	5.85%	0.590%
9	9.957	1179	1185	1191	rBV4	54383	130365	5.63%	0.567%
10	10.292	1235	1242	1248	rBV	513049	926587	40.00%	4.032%
11	10.481	1268	1274	1279	rBV8	27131	71372	3.08%	0.311%
12	13.504	1780	1788	1792	rVB5	15608	29289	1.26%	0.127%
13	13.604	1799	1805	1810	rBV	173990	276866	11.95%	1.205%
14	13.651	1810	1813	1821	rVB2	51956	78456	3.39%	0.341%
15	13.869	1844	1850	1862	rBV2	227211	408931	17.65%	1.779%
16	14.174	1895	1902	1909	rVV2	738371	1199456	51.78%	5.219%
17	14.239	1909	1913	1920	rVB3	62066	96959	4.19%	0.422%
18	14.498	1951	1957	1962	rBV7	22198	55008	2.37%	0.239%
19	14.592	1968	1973	1977	rVB	38899	53419	2.31%	0.232%
20	15.180	2068	2073	2079	rBV2	278780	413706	17.86%	1.800%
21	15.239	2079	2083	2093	rVB4	61957	112318	4.85%	0.489%
22	15.363	2096	2104	2108	rBV6	30631	66973	2.89%	0.291%
23	15.539	2129	2134	2141	rVB6	22711	39204	1.69%	0.171%
24	15.692	2154	2160	2170	rVB4	22185	52304	2.26%	0.228%
25	15.904	2192	2196	2199	rBV4	14405	24725	1.07%	0.108%
26	16.251	2248	2255	2259	rVV6	20499	38151	1.65%	0.166%
27	16.604	2309	2315	2321	rVB3	50895	75166	3.24%	0.327%
28	16.692	2321	2330	2333	rVV7	32347	76051	3.28%	0.331%
29	16.757	2337	2341	2350	rVB2	47284	85018	3.67%	0.370%
30	16.939	2366	2372	2375	rBV	956626	1355898	58.53%	5.900%
31	16.980	2375	2379	2384	rVV	984581	1370751	59.17%	5.965%
32	17.039	2384	2389	2392	rVV	310449	458967	19.81%	1.997%
33	17.074	2392	2395	2402	rVB	142609	201382	8.69%	0.876%
34	17.357	2435	2443	2450	rBV2	51484	126799	5.47%	0.552%

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3DL

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	17.457	2454	2460	2465	rVV4	18945	43738	1.89%	0.190%
36	17.533	2468	2473	2479	rVB9	11488	27085	1.17%	0.118%
37	17.815	2515	2521	2524	rBV	126907	185495	8.01%	0.807%
38	17.862	2524	2529	2536	rVB2	169824	297333	12.84%	1.294%
39	17.945	2539	2543	2549	rVV2	54471	77397	3.34%	0.337%
40	18.010	2549	2554	2558	rVV3	147867	277510	11.98%	1.208%
41	18.045	2558	2560	2566	rVB3	93063	121511	5.25%	0.529%
42	18.133	2572	2575	2579	rVB6	19937	27524	1.19%	0.120%
43	18.321	2603	2607	2612	rBV	87868	124501	5.37%	0.542%
44	18.380	2613	2617	2624	rVV2	95700	147217	6.36%	0.641%
45	18.574	2645	2650	2654	rVV5	28453	44483	1.92%	0.194%
46	18.627	2654	2659	2662	rVV5	27934	40850	1.76%	0.178%
47	18.657	2662	2664	2669	rVB5	26953	38157	1.65%	0.166%
48	18.745	2675	2679	2683	rBV4	63985	102742	4.44%	0.447%
49	18.809	2683	2690	2692	rBV8	36347	74034	3.20%	0.322%
50	18.898	2699	2705	2713	rBV4	64420	132987	5.74%	0.579%
51	19.009	2718	2724	2731	rBV	1301001	1683563	72.68%	7.326%
52	19.080	2731	2736	2739	rBV7	22034	33159	1.43%	0.144%
53	19.115	2739	2742	2745	rBV5	31045	46576	2.01%	0.203%
54	19.162	2748	2750	2755	rVB4	22251	26192	1.13%	0.114%
55	19.251	2757	2765	2769	rBV4	46611	99677	4.30%	0.434%
56	19.345	2776	2781	2783	rBV2	563457	771295	33.30%	3.356%
57	19.374	2783	2786	2796	rVV	1095856	1508011	65.10%	6.562%
58	19.451	2796	2799	2807	rVB4	58885	101672	4.39%	0.442%
59	19.562	2814	2818	2823	rBV3	63657	94795	4.09%	0.412%
60	19.627	2826	2829	2835	rVB3	46986	77169	3.33%	0.336%
61	19.704	2837	2842	2844	rBV4	78538	130022	5.61%	0.566%
62	19.774	2850	2854	2857	rBV6	25541	31575	1.36%	0.137%
63	19.851	2861	2867	2868	rVV6	66090	119310	5.15%	0.519%
64	19.880	2868	2872	2878	rVB	119169	196497	8.48%	0.855%
65	19.986	2886	2890	2893	rBV5	54099	85155	3.68%	0.371%
66	20.039	2893	2899	2903	rVV3	108742	185740	8.02%	0.808%
67	20.174	2919	2922	2926	rBV2	57833	69272	2.99%	0.301%
68	20.227	2927	2931	2935	rVB2	57644	84799	3.66%	0.369%
69	20.639	2997	3001	3008	rBV2	111613	164636	7.11%	0.716%
70	20.798	3025	3028	3031	rBV	89358	109802	4.74%	0.478%
71	20.833	3031	3034	3037	rVV	101829	114638	4.95%	0.499%

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5X3DL

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	20.874	3037	3041	3047	rVV3	131044	238224	10.28%	1.037%
73	20.933	3049	3051	3056	rVB2	91411	122483	5.29%	0.533%
74	21.151	3081	3088	3092	rBV2	1385011	2316476	100.00%	10.080%
75	21.186	3092	3094	3099	rVB	478700	557176	24.05%	2.424%
76	22.680	3344	3348	3353	rBV3	285447	572619	24.72%	2.492%
77	23.139	3424	3426	3430	rVB	169425	186852	8.07%	0.813%
78	23.186	3431	3434	3438	rVV2	204347	334602	14.44%	1.456%
79	23.233	3438	3442	3449	rVB	322726	544379	23.50%	2.369%
80	23.321	3452	3457	3463	rBV	678954	1213950	52.41%	5.282%

Sum of corrected areas: 22981728

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Misc :
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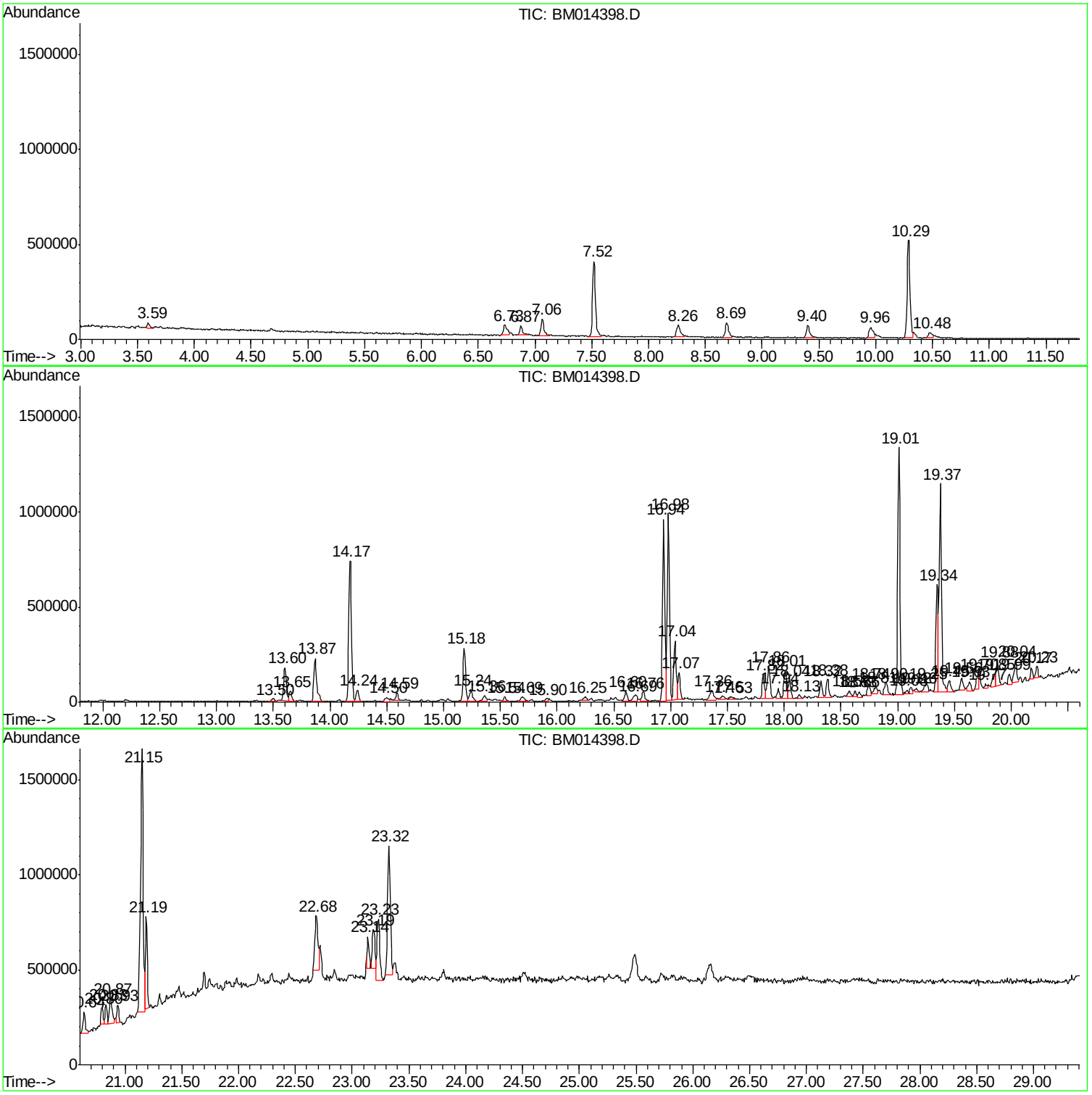
Instrument : BNA_M
ClientSampleId : BE5X3DL

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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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

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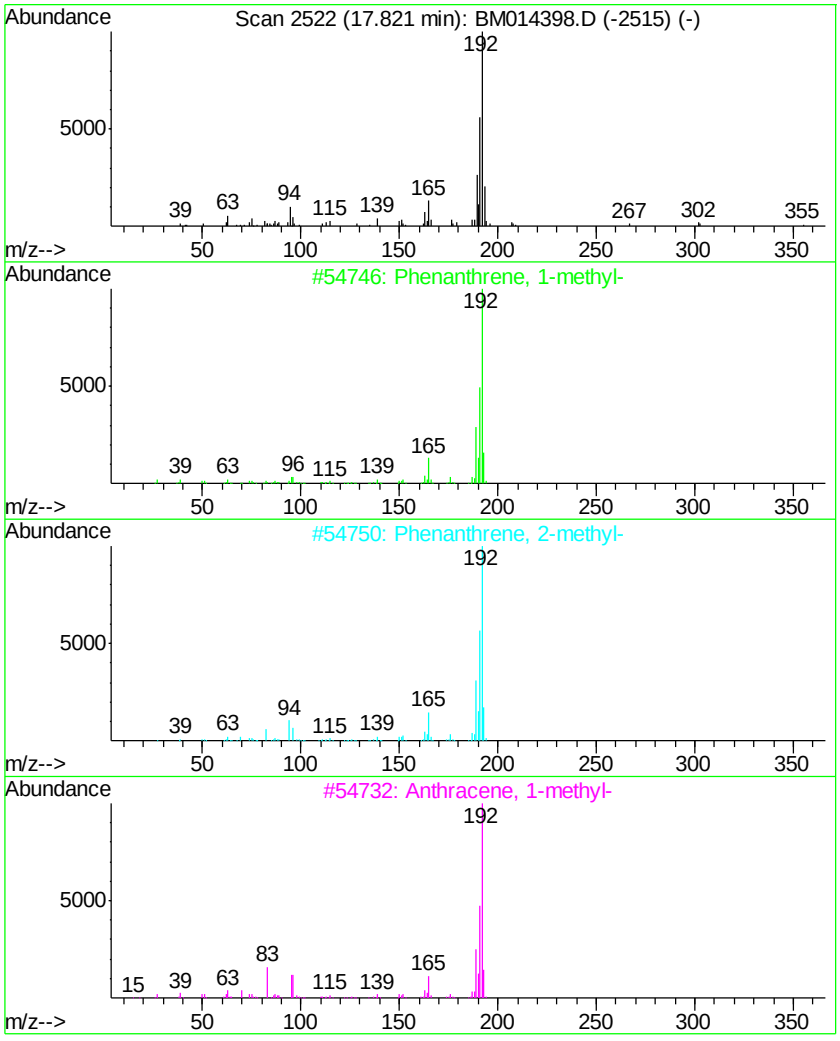
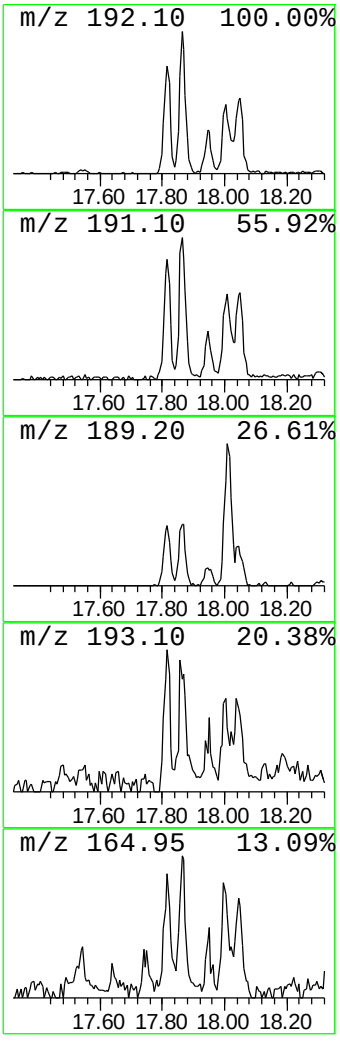
Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	2.74 ng/ul	185495	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Operator : SJ/JU
Sample : J1646-09DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3DL

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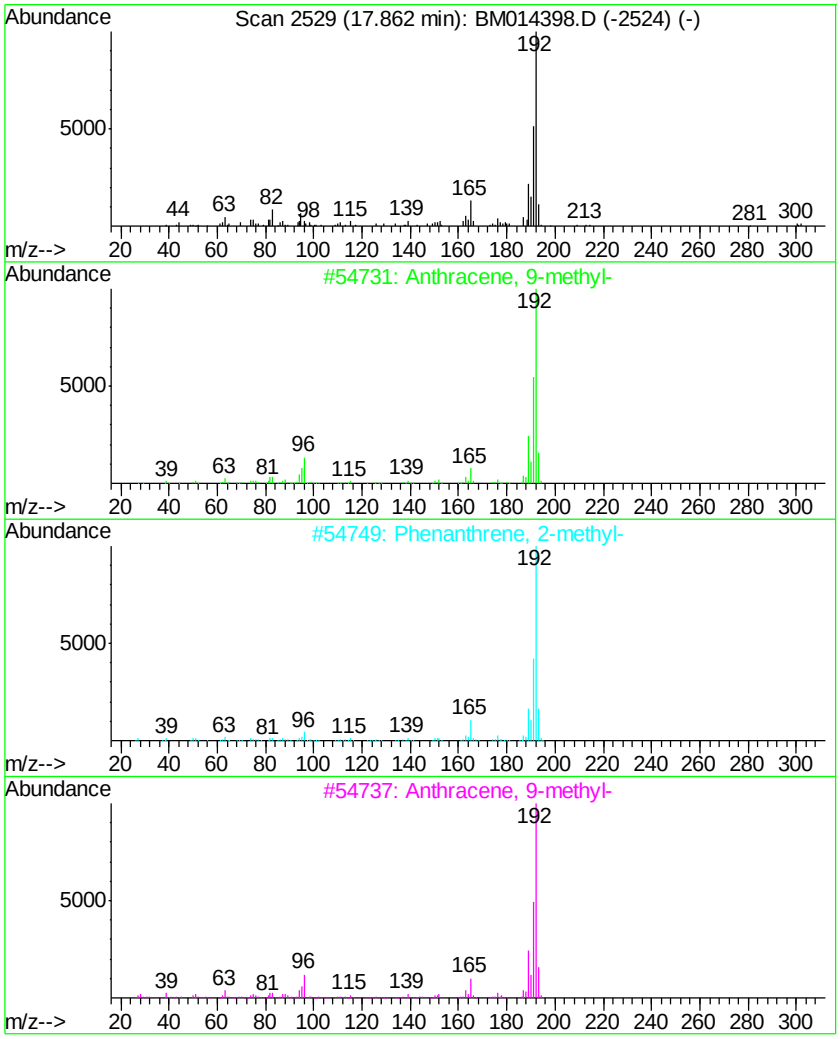
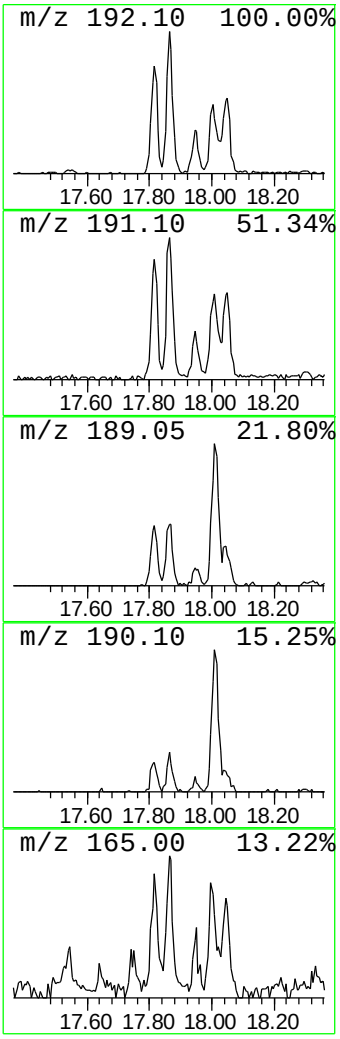
Peak Number 2 Anthracene, 9-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	4.39 ng/ul	297333	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : J1646-09DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3DL

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

TIC Library : C:\DATABASE\NIST11.L
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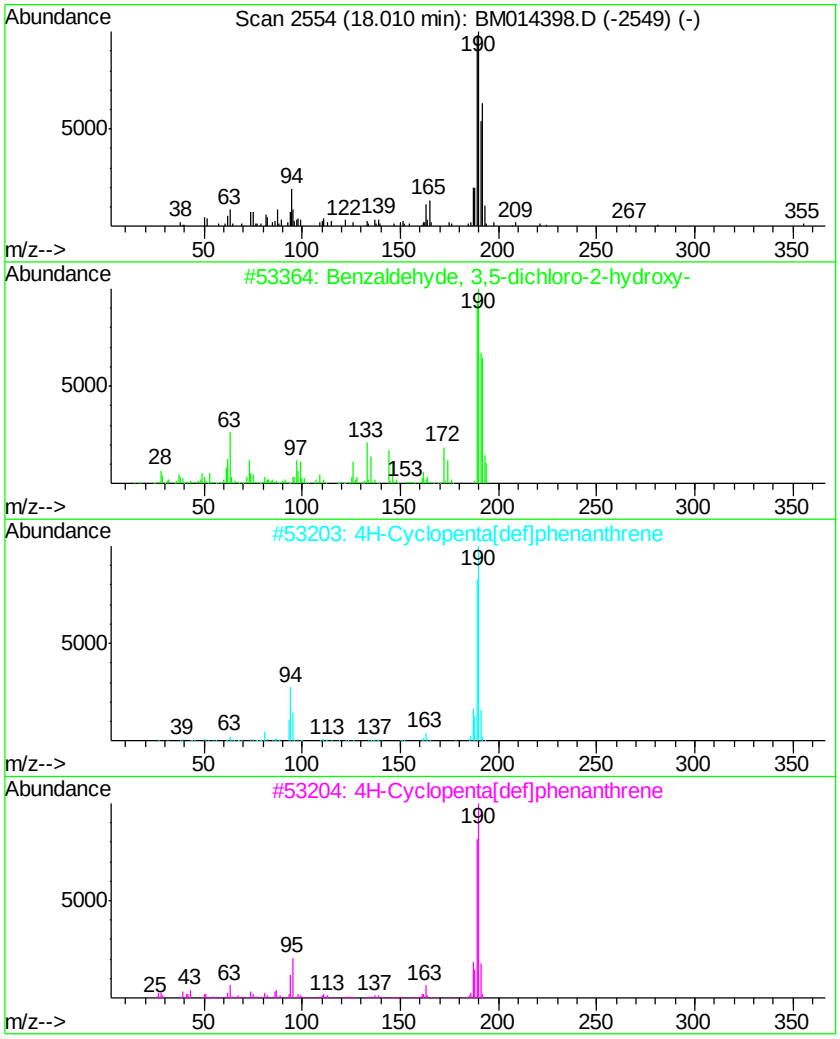
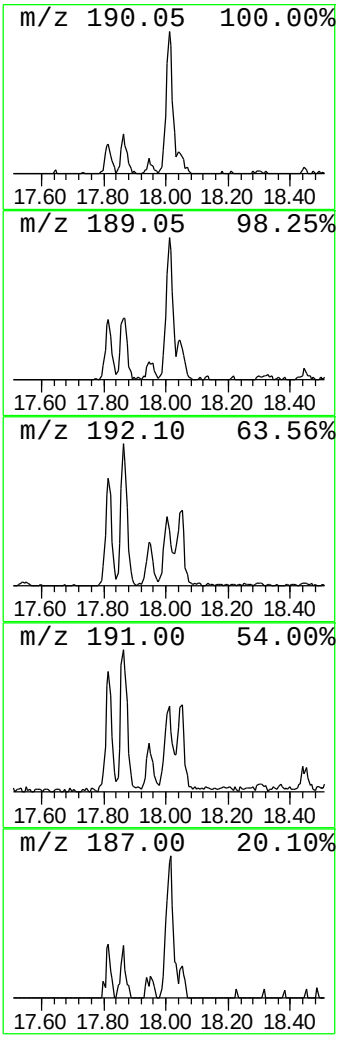
****

Peak Number 3 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	4.09 ng/ul	277510	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30





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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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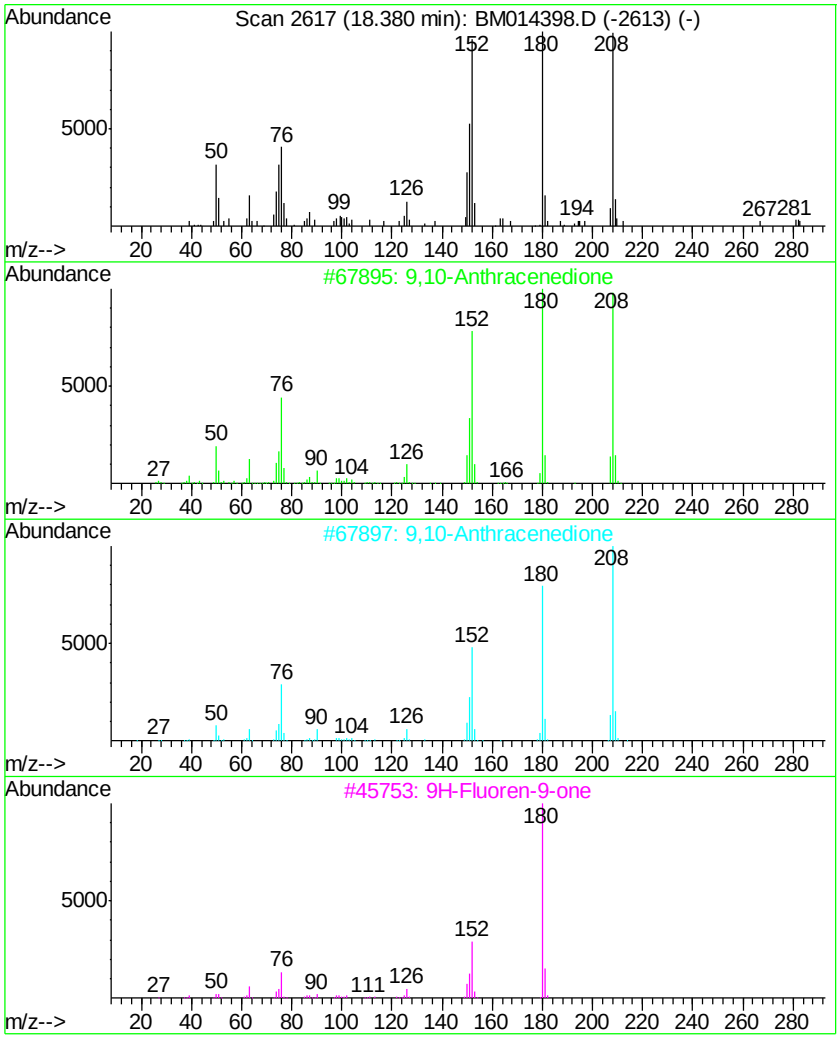
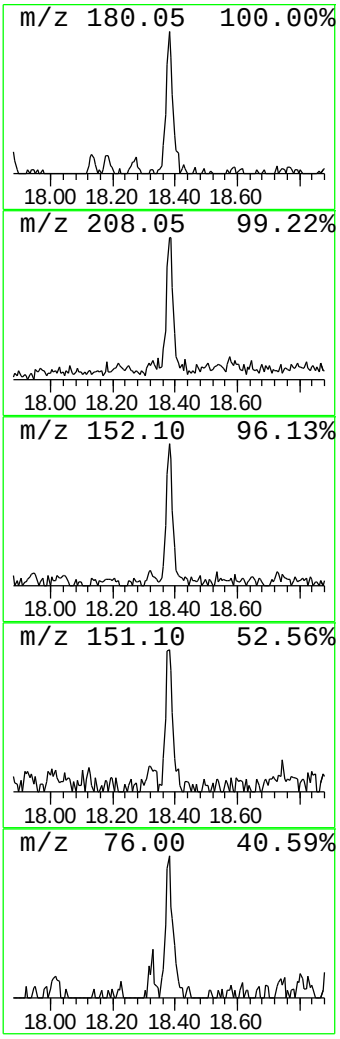
Peak Number 4 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.17 ng/ul	147217	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
5	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	80





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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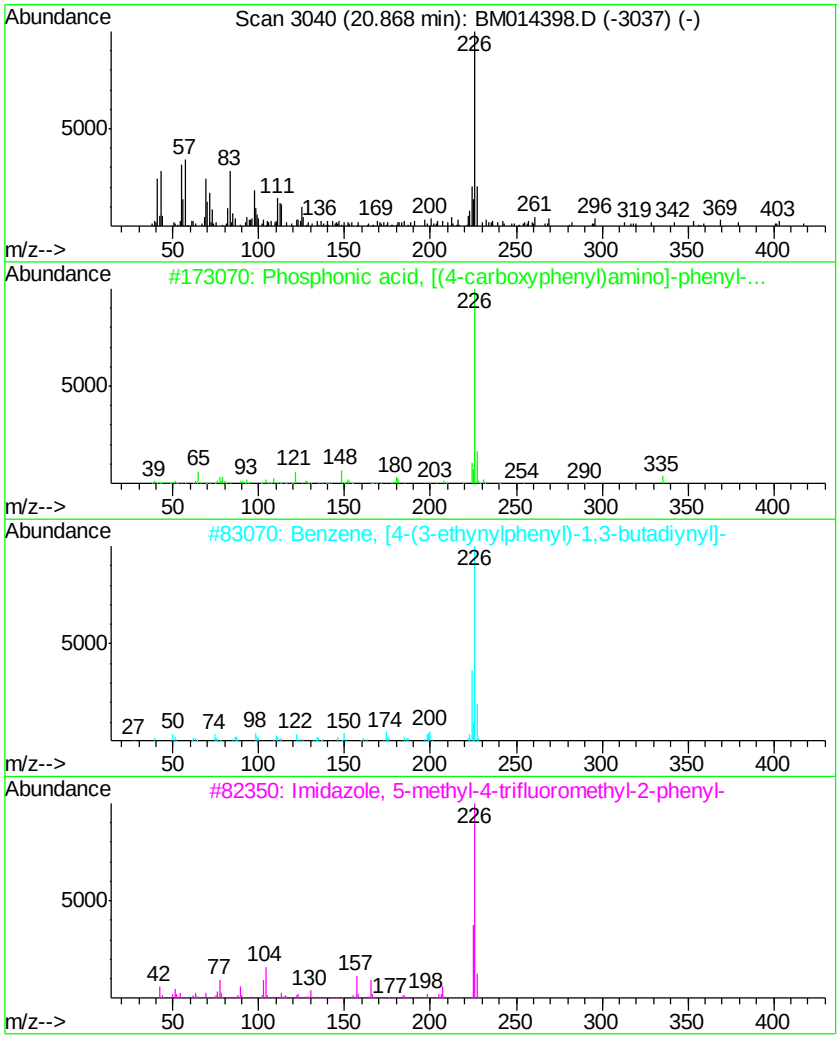
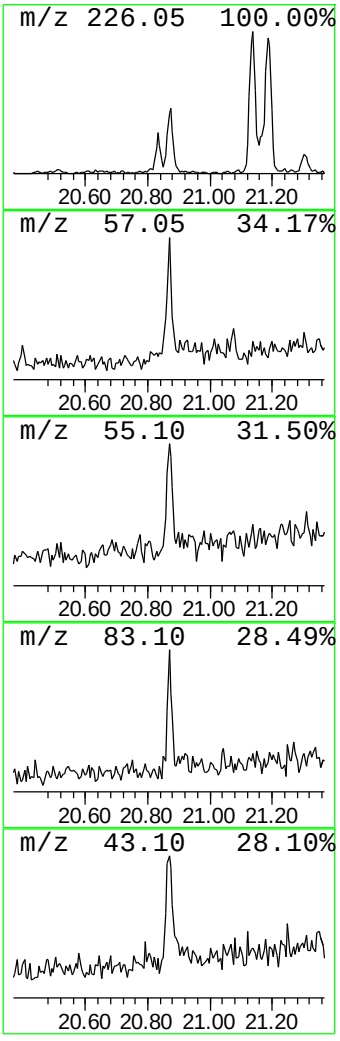
Peak Number 6 Phosphonic acid, [(4-carbox... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.06 ng/ul	238224	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphonic acid, [(4-carboxyphen...	335	C16H18NO5P	037753-62-1	50
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	49
3	Imidazole, 5-methyl-4-trifluorom...	226	C11H9F3N2	081769-66-6	47
4	Pentanediamide, N,N,N',N'-tetrai...	354	C21H42N2O2	082057-85-0	38
5	.alpha.-d-1,2-Glucopyranosediyl ...	715	C38H54BrNO7	1000227-17-3	38





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Sample : J1646-09DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3DL

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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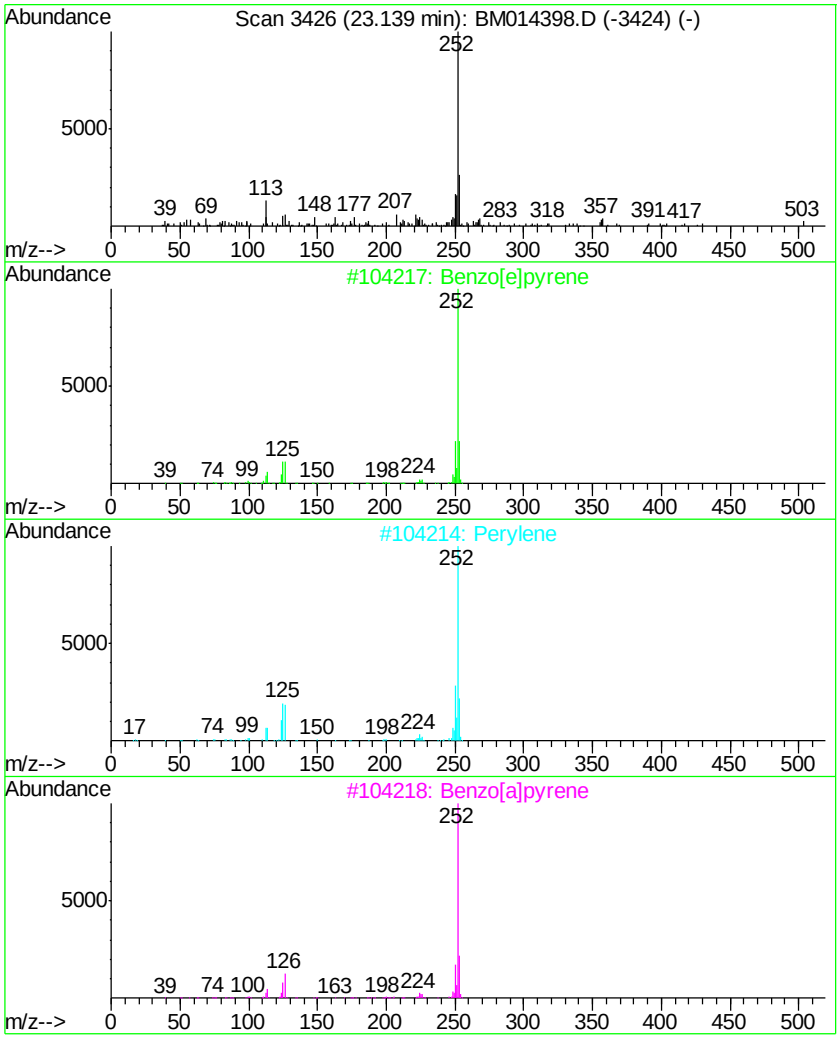
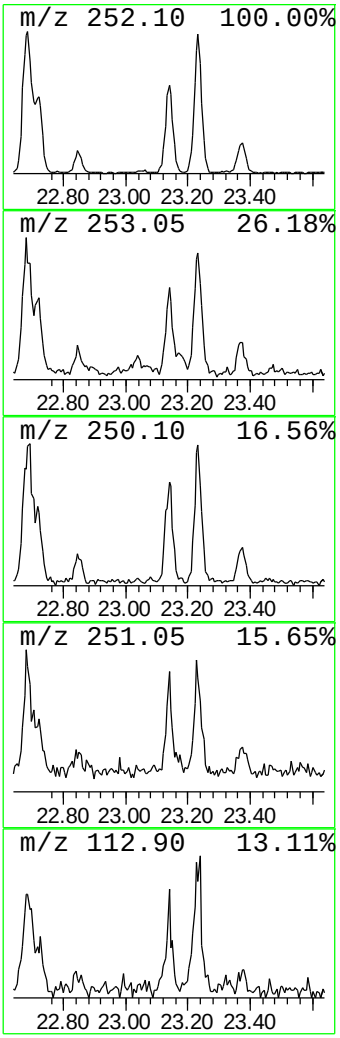
Peak Number 7 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	3.08 ng/ul	186852	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	74
2	Perylene	252	C20H12	000198-55-0	72
3	Benzo[a]pyrene	252	C20H12	000050-32-8	64
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	64
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022818\
Data File : BM014398.D
Acq On : 28 Feb 2018 11:36
Operator : SJ/JU
Sample : J1646-09DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X3DL

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, 1-m...	17.82	2.7	ng/ul	185495	4	16.94	1355900	20.0
Anthracene, 9-met...	17.86	4.4	ng/ul	297333	4	16.94	1355900	20.0
Benzaldehyde, 3,5...	18.01	4.1	ng/ul	277510	4	16.94	1355900	20.0
9,10-Anthracenedione	18.38	2.2	ng/ul	147217	4	16.94	1355900	20.0
Phosphonic acid, ...	20.87	2.1	ng/ul	238224	5	21.15	2316480	20.0
Benzo[e]pyrene	23.14	3.1	ng/ul	186852	6	23.32	1213950	20.0