LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014847.D
Acq On : 25 Apr 2018 23:12
Operator : SJ/JU
Sample : J2431-08DL2 30X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASN9DL2

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-BM041918.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	7.622	730	737	745	rBV2	65408	118750	1.59%	0.254%
2	8.022	800	805	812	rVB3	40086	79899	1.07%	0.171%
3	8.457	874	879	881	rBV	55066	79724	1.07%	0.170%
4	8.504	881	887	893	rVB	984819	1636491	21.91%	3.499%
5	9.863	1107	1118	1126	rVB7	29501	77082	1.03%	0.165%
6	10.404	1205	1210	1214	rBV2	58921	99780	1.34%	0.213%
7	10.516	1225	1229	1234	rBV	56414	93212	1.25%	0.199%
8	10.669	1247	1255	1260	rBV2	44660	90624	1.21%	0.194%
9	11.022	1309	1315	1322	rVB	49255	83669	1.12%	0.179%
10	11.345	1362	1370	1377	rBV	1372113	2342156	31.36%	5.007%
11	11.469	1384	1391	1397	rVB2	51846	90597	1.21%	0.194%
12	14.145	1841	1846	1857	rVB	62304	108979	1.46%	0.233%
13	14.286	1860	1870	1879	rVB3	104684	274258	3.67%	0.586%
14	14.433	1887	1895	1899	rBV	131688	229198	3.07%	0.490%
15	14.486	1899	1904	1910	rVB2	123354	213641	2.86%	0.457%
16	14.663	1929	1934	1938	rBV	64364	98211	1.31%	0.210%
17	14.804	1952	1958	1968	rBV4	73999	179847	2.41%	0.385%
18	15.063	1995	2002	2004	rBV	105736	145122	1.94%	0.310%
19	15.104	2004	2009	2015	rVV2	1828416	2868543	38.41%	6.133%
20	15.168	2015	2020	2026	rVB	411102	626466	8.39%	1.339%
21	15.410	2051	2061	2065	rBV2	51362	97841	1.31%	0.209%
22	15.498	2069	2076	2081	rVV	396634	624763	8.37%	1.336%
23	15.563	2081	2087	2097	rVB	56784	88205	1.18%	0.189%
24	16.080	2171	2175	2179	rBV	103514	139212	1.86%	0.298%
25	16.139	2179	2185	2191	rVB	964916	1399218	18.73%	2.991%
26	16.298	2208	2212	2216	rVB3	173980	245826	3.29%	0.526%
27	16.386	2223	2227	2230	rBV2	79847	122240	1.64%	0.261%
28	16.421	2230	2233	2239	rVB	200341	283884	3.80%	0.607%
29	16.568	2251	2258	2266	rBV	204414	417012	5.58%	0.892%
30	16.921	2313	2318	2324	rBV	73273	102923	1.38%	0.220%
31	17.121	2341	2352	2357	rBV2	130601	269129	3.60%	0.575%
32	17.274	2373	2378	2382	rVB3	54795	89584	1.20%	0.192%
33	17.345	2382	2390	2393	rBV4	43201	92041	1.23%	0.197%
34	17.539	2419	2423	2428	rBV	44983	85029	1.14%	0.182%

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Integrator: RTE
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Title : SVOA CALIBRATION

35	17.639	2435	2440	2450	rVB	345290	514637	6.89%	1.100%
36	17.821	2464	2471	2474	rBV	2310738	3381564	45.28%	7.230%
37	17.862	2474	2478	2484	rVV	5336959	7468553	100.00%	15.968%
38	17.915	2484	2487	2489	rVV2	114849	158899	2.13%	0.340%
39	17.951	2489	2493	2499	rVV	685589	989489	13.25%	2.115%
40	18.009	2499	2503	2512	rVB	73722	130655	1.75%	0.279%
41	18.321	2552	2556	2564	rBV	52893	79425	1.06%	0.170%
42	18.680	2612	2617	2620	rBV	240102	311017	4.16%	0.665%
43	18.721	2620	2624	2630	rVB	333415	465920	6.24%	0.996%
44	18.803	2633	2638	2643	rBV	102293	148628	1.99%	0.318%
45	18.874	2643	2650	2662	rVB3	583642	1081806	14.48%	2.313%
46	19.156	2693	2698	2703	rBV	217170	284982	3.82%	0.609%
47	19.562	2762	2767	2772	rBV2	57310	112659	1.51%	0.241%
48	19.827	2806	2812	2818	rBV	2889079	3689538	49.40%	7.888%
49	20.068	2850	2853	2860	rVB	68577	99591	1.33%	0.213%
50	20.150	2861	2867	2869	rBV2	495691	766646	10.26%	1.639%
51	20.186	2869	2873	2880	rVV	1817612	2515713	33.68%	5.379%
52	20.245	2880	2883	2891	rVB2	74735	114548	1.53%	0.245%
53	20.350	2897	2901	2906	rBV	101671	130535	1.75%	0.279%
54	20.492	2921	2925	2926	rBV2	61322	85467	1.14%	0.183%
55	20.662	2950	2954	2958	rVB2	256731	337469	4.52%	0.721%
56	20.756	2966	2970	2974	rBV	309169	415230	5.56%	0.888%
57	21.774	3140	3143	3150	rBV	355852	440218	5.89%	0.941%
58	21.909	3159	3166	3170	rBV2	2974855	4814230	64.46%	10.293%
59	21.944	3170	3172	3180	rVB	490866	619627	8.30%	1.325%
60	24.391	3581	3588	3605	rVB	1859762	4023161	53.87%	8.601%

Sum of corrected areas: 46773363

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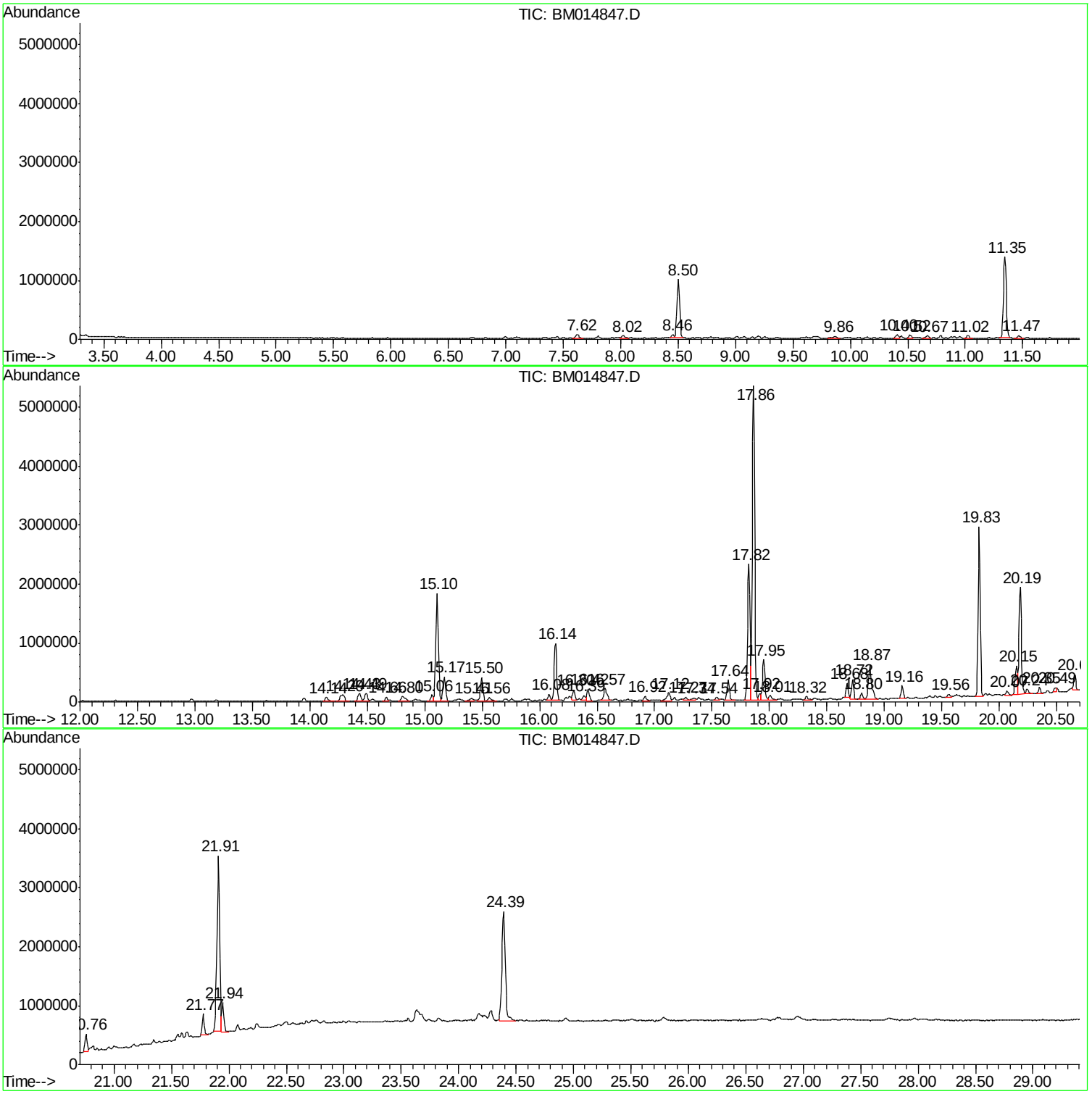
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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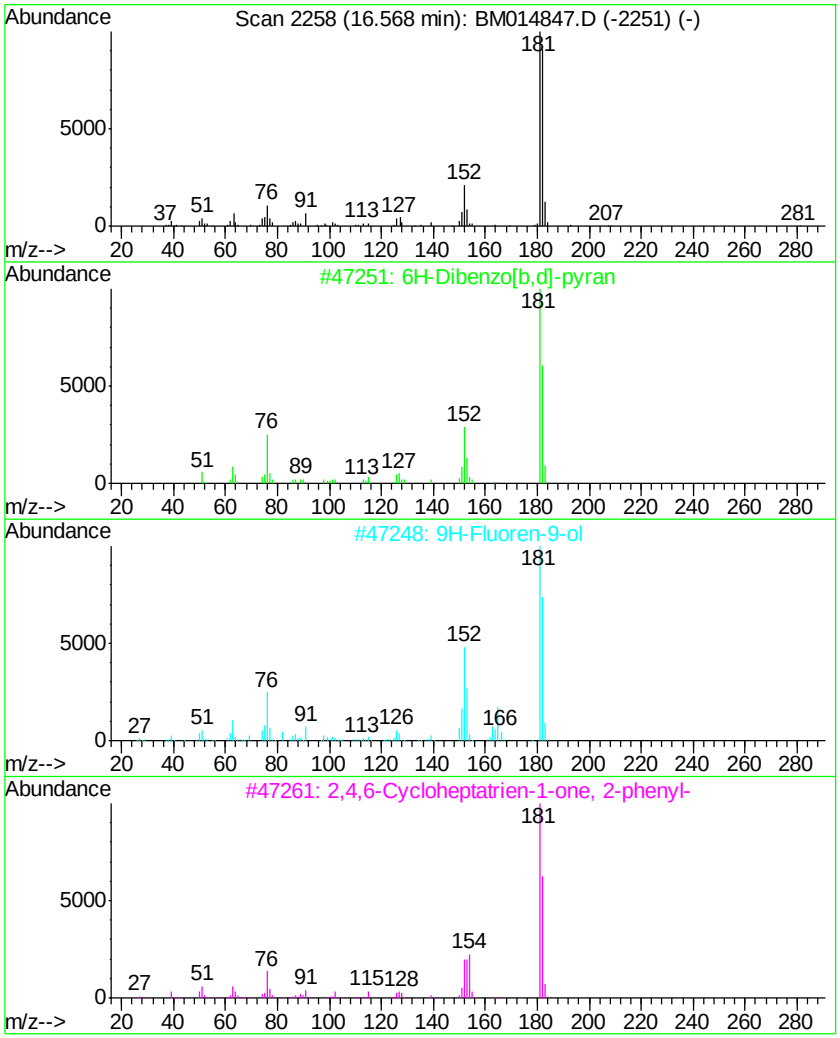
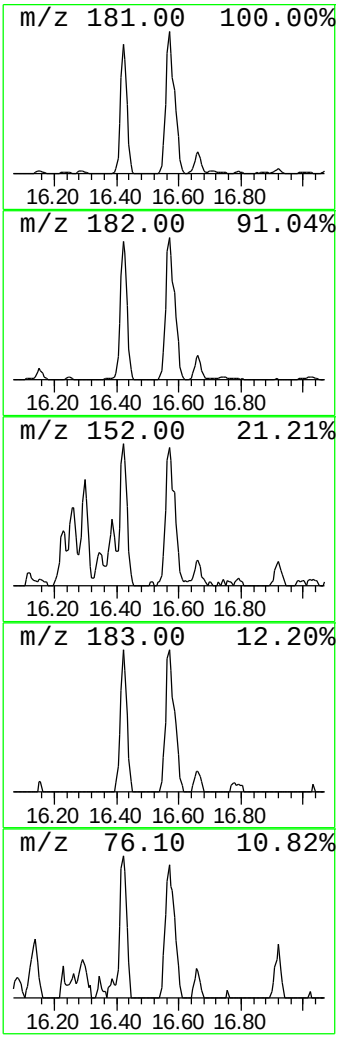
Peak Number 1 6H-Dibenzo[b,d]-pyran Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	2.47 ng/ul	417012	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83





Library Search Compound Report

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ClientSampleId : DASN9DL2

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TIC Library : C:\DATABASE\NIST11.L
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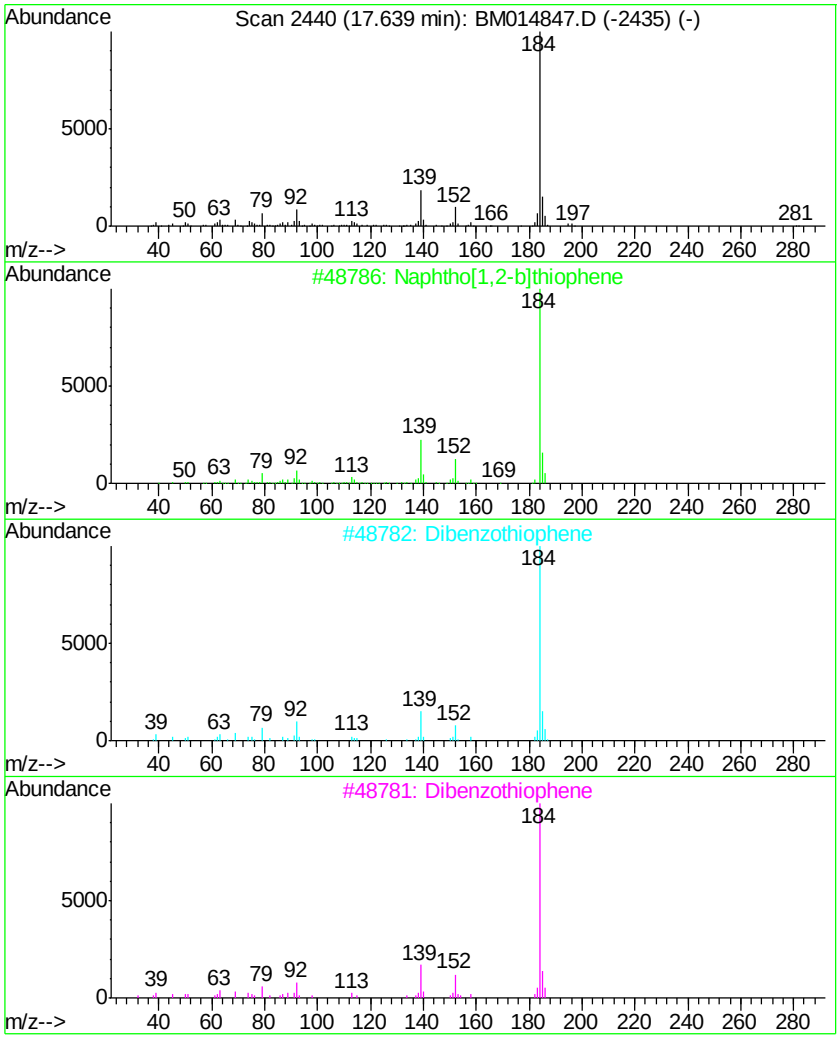
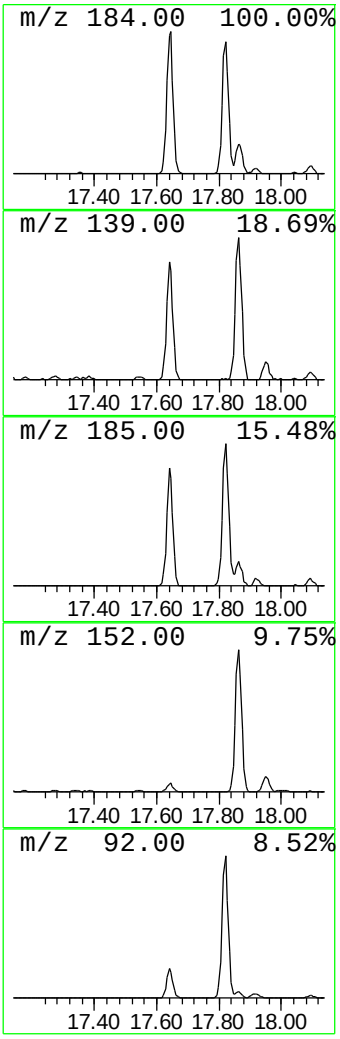
Peak Number 2 Naphtho[1,2-b]thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	3.04 ng/ul	514637	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	96
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





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Instrument : BNA_M
ClientSampleId : DASN9DL2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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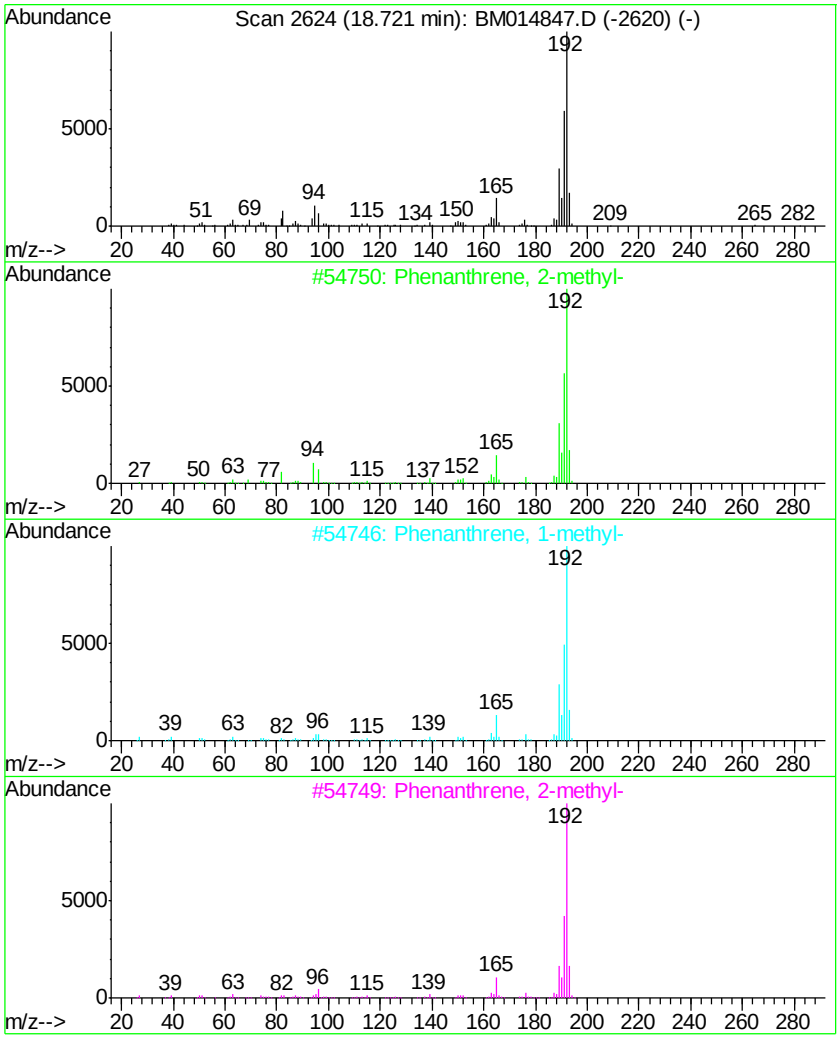
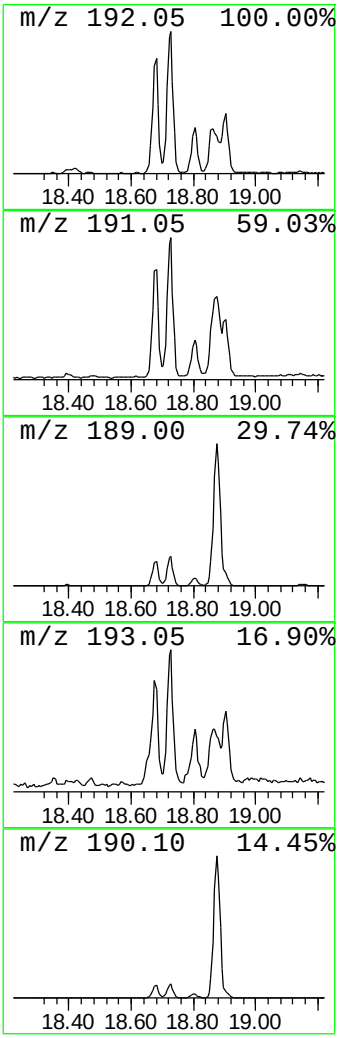
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.76 ng/ul	465920	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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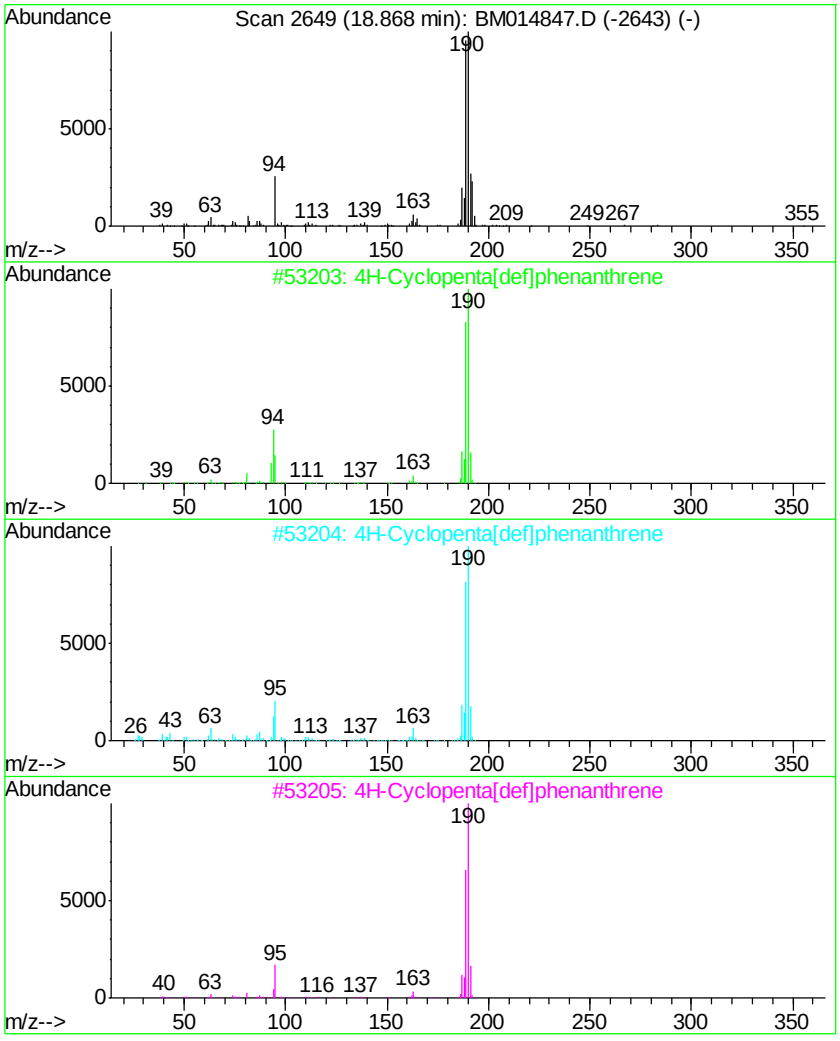
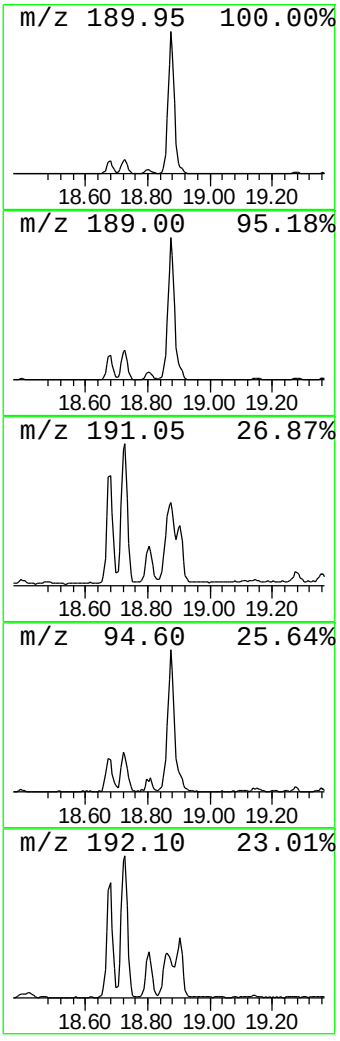
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	6.40 ng/ul	1081810	Phenanthrene-d10	17.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56





Tentatively Identified Compound (LSC) summary

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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
6H-Dibenzo[b,d]-p...	16.57	2.5	ng/ul	417012	4	17.82	3381560	20.0
Naphtho[1,2-b]thi...	17.64	3.0	ng/ul	514637	4	17.82	3381560	20.0
Phenanthrene, 2-m...	18.72	2.8	ng/ul	465920	4	17.82	3381560	20.0
4H-Cyclopenta[def...	18.87	6.4	ng/ul	1081810	4	17.82	3381560	20.0