LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

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-BM080415.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	3.499	133	138	144	rBB	23242	31709	0.31%	0.036%
2	6.728	681	687	696	rBB	152144	246073	2.39%	0.280%
3	6.863	705	710	719	rBB	113943	173556	1.68%	0.197%
4	7.063	738	744	751	rBV	170779	253284	2.46%	0.288%
5	7.528	816	823	831	rVB	595323	925291	8.97%	1.052%
6	8.257	941	947	957	rBV	197100	313034	3.03%	0.356%
7	8.692	1015	1021	1027	rBV	154303	241309	2.34%	0.274%
8	9.410	1137	1143	1150	rBB	117054	185559	1.80%	0.211%
9	9.957	1230	1236	1246	rBV	207752	332758	3.23%	0.378%
10	10.316	1287	1297	1303	rBV	843725	1401596	13.59%	1.593%
11	10.369	1303	1306	1313	rVB	81327	116590	1.13%	0.133%
12	10.469	1316	1323	1340	rBB	122965	211708	2.05%	0.241%
13	11.992	1577	1582	1588	rBB	36289	53907	0.52%	0.061%
14	12.216	1615	1620	1626	rBB	21250	31220	0.30%	0.035%
15	13.022	1751	1757	1763	rBB2	15082	27931	0.27%	0.032%
16	13.451	1825	1830	1834	rVB2	31070	40537	0.39%	0.046%
17	13.522	1834	1842	1847	rBV	21185	34577	0.34%	0.039%
18	13.616	1853	1858	1863	rVV	350360	493868	4.79%	0.561%
19	13.663	1863	1866	1872	rVB	127743	161480	1.57%	0.184%
20	13.898	1900	1906	1909	rBV	384166	616629	5.98%	0.701%
21	13.927	1909	1911	1918	rVV	140744	166236	1.61%	0.189%
22	14.092	1934	1939	1945	rVB2	25627	36699	0.36%	0.042%
23	14.210	1945	1959	1965	rBV2	1196134	1855903	17.99%	2.110%
24	14.269	1965	1969	1978	rVB	254312	358071	3.47%	0.407%
25	14.469	1999	2003	2007	rVV2	41490	59336	0.58%	0.067%
26	14.516	2007	2011	2015	rVB2	22879	30949	0.30%	0.035%
27	14.604	2021	2026	2031	rBV	102064	145372	1.41%	0.165%
28	15.051	2097	2102	2105	rVV3	26168	40300	0.39%	0.046%
29	15.204	2121	2128	2133	rBV	499585	703724	6.82%	0.800%
30	15.263	2133	2138	2148	rVB	233139	334413	3.24%	0.380%
31	15.357	2148	2154	2156	rBV3	18085	30022	0.29%	0.034%
32	15.386	2156	2159	2162	rVV	36384	45278	0.44%	0.051%
33	15.421	2162	2165	2169	rVV	31123	46911	0.45%	0.053%
34	15.469	2169	2173	2176	rVV3	28311	48111	0.47%	0.055%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

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-BM080415.M
Title : SVOA CALIBRATION

35	15.510	2176	2180	2183	rVV2	21048	33505	0.32%	0.038%
36	15.557	2183	2188	2193	rVB	50265	77148	0.75%	0.088%
37	15.704	2209	2213	2221	rVB	51795	94698	0.92%	0.108%
38	15.939	2244	2253	2259	rVV5	62933	146935	1.42%	0.167%
39	16.268	2297	2309	2314	rBV3	59920	156623	1.52%	0.178%
40	16.316	2314	2317	2322	rVV3	36157	54702	0.53%	0.062%
41	16.416	2331	2334	2338	rVB	30640	41485	0.40%	0.047%
42	16.498	2345	2348	2351	rVV2	36654	55562	0.54%	0.063%
43	16.533	2351	2354	2364	rVV2	43523	88301	0.86%	0.100%
44	16.621	2365	2369	2376	rVB	79512	112056	1.09%	0.127%
45	16.710	2376	2384	2389	rBV3	107909	211923	2.05%	0.241%
46	16.780	2389	2396	2404	rVB	147048	268536	2.60%	0.305%
47	16.968	2421	2428	2431	rBV	1319667	2053644	19.91%	2.334%
48	17.010	2431	2435	2440	rVV	2913467	4042634	39.19%	4.595%
49	17.063	2440	2444	2447	rVV2	535964	772413	7.49%	0.878%
50	17.098	2447	2450	2455	rVV	776172	998224	9.68%	1.135%
51	17.157	2455	2460	2466	rVV2	50226	98694	0.96%	0.112%
52	17.374	2489	2497	2506	rBV	186129	342671	3.32%	0.390%
53	17.480	2512	2515	2519	rBV	60356	75093	0.73%	0.085%
54	17.545	2522	2526	2534	rVV5	83271	154382	1.50%	0.175%
55	17.680	2546	2549	2555	rVB	36885	60052	0.58%	0.068%
56	17.839	2571	2576	2580	rBV	326192	483332	4.69%	0.549%
57	17.886	2580	2584	2589	rVB	453800	633737	6.14%	0.720%
58	17.968	2594	2598	2603	rVV	200840	307263	2.98%	0.349%
59	18.033	2604	2609	2613	rVV2	717751	1177237	11.41%	1.338%
60	18.068	2613	2615	2622	rVB	213258	284677	2.76%	0.324%
61	18.339	2657	2661	2667	rVV	282581	391983	3.80%	0.446%
62	18.398	2668	2671	2678	rVB	128847	185225	1.80%	0.211%
63	18.592	2701	2704	2709	rVB	80183	107756	1.04%	0.122%
64	18.645	2710	2713	2716	rVV	77798	89155	0.86%	0.101%
65	18.680	2716	2719	2723	rVB2	55412	76265	0.74%	0.087%
66	18.768	2729	2734	2738	rBV	167761	306393	2.97%	0.348%
67	18.921	2755	2760	2766	rBV2	151197	272169	2.64%	0.309%
68	19.051	2774	2782	2786	rBV	6450272	9198283	89.17%	10.456%
69	19.104	2786	2791	2793	rVV	65247	94724	0.92%	0.108%
70	19.139	2793	2797	2800	rVV	106696	139753	1.35%	0.159%
71	19.280	2818	2821	2824	rVB	137469	145298	1.41%	0.165%

LSC Area Percent Report

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Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

72	19.415	2833	2844	2850	rBV	5688828	10315727	100.00%	11.726%
73	19.474	2851	2854	2866	rVB3	250040	533276	5.17%	0.606%
74	19.586	2869	2873	2877	rVB	262829	353079	3.42%	0.401%
75	19.651	2881	2884	2888	rVB	167279	200770	1.95%	0.228%
76	19.739	2892	2899	2904	rBV2	282644	775751	7.52%	0.882%
77	19.904	2923	2927	2931	rVB	960787	1290609	12.51%	1.467%
78	20.003	2940	2944	2948	rBV	848273	1078102	10.45%	1.225%
79	20.062	2951	2954	2957	rVV	372392	519179	5.03%	0.590%
80	20.092	2957	2959	2964	rVB	284597	349105	3.38%	0.397%
81	20.203	2974	2978	2981	rBV	189018	250000	2.42%	0.284%
82	20.245	2982	2985	2989	rVB	338985	411648	3.99%	0.468%
83	20.656	3052	3055	3061	rVB	290598	359111	3.48%	0.408%
84	20.815	3079	3082	3086	rBV2	477184	624606	6.05%	0.710%
85	20.856	3086	3089	3092	rVV	409691	474009	4.60%	0.539%
86	20.898	3093	3096	3101	rVB2	374482	559164	5.42%	0.636%
87	21.168	3136	3142	3147	rBV3	3681540	7250504	70.29%	8.242%
88	21.221	3147	3151	3160	rVB	3322993	4491644	43.54%	5.106%
89	21.333	3166	3170	3176	rVB	691731	880385	8.53%	1.001%
90	21.486	3192	3196	3201	rBV2	339577	579619	5.62%	0.659%
91	21.715	3232	3235	3240	rVB	443581	512327	4.97%	0.582%
92	21.868	3258	3261	3264	rBV3	436417	633925	6.15%	0.721%
93	22.727	3400	3407	3411	rBV	2459152	5453309	52.86%	6.199%
94	22.886	3430	3434	3444	rVB	540342	931389	9.03%	1.059%
95	23.192	3480	3486	3491	rBV	1356138	2446167	23.71%	2.781%
96	23.286	3496	3502	3511	rVB	2289716	4418461	42.83%	5.022%
97	23.374	3512	3517	3521	rVV	936768	1728802	16.76%	1.965%
98	23.421	3522	3525	3532	rVB	762744	1278971	12.40%	1.454%
99	25.597	3886	3895	3903	rVB2	1078317	3168522	30.72%	3.602%
100	26.280	4003	4011	4026	rVB2	809057	2480870	24.05%	2.820%

Sum of corrected areas: 87975503

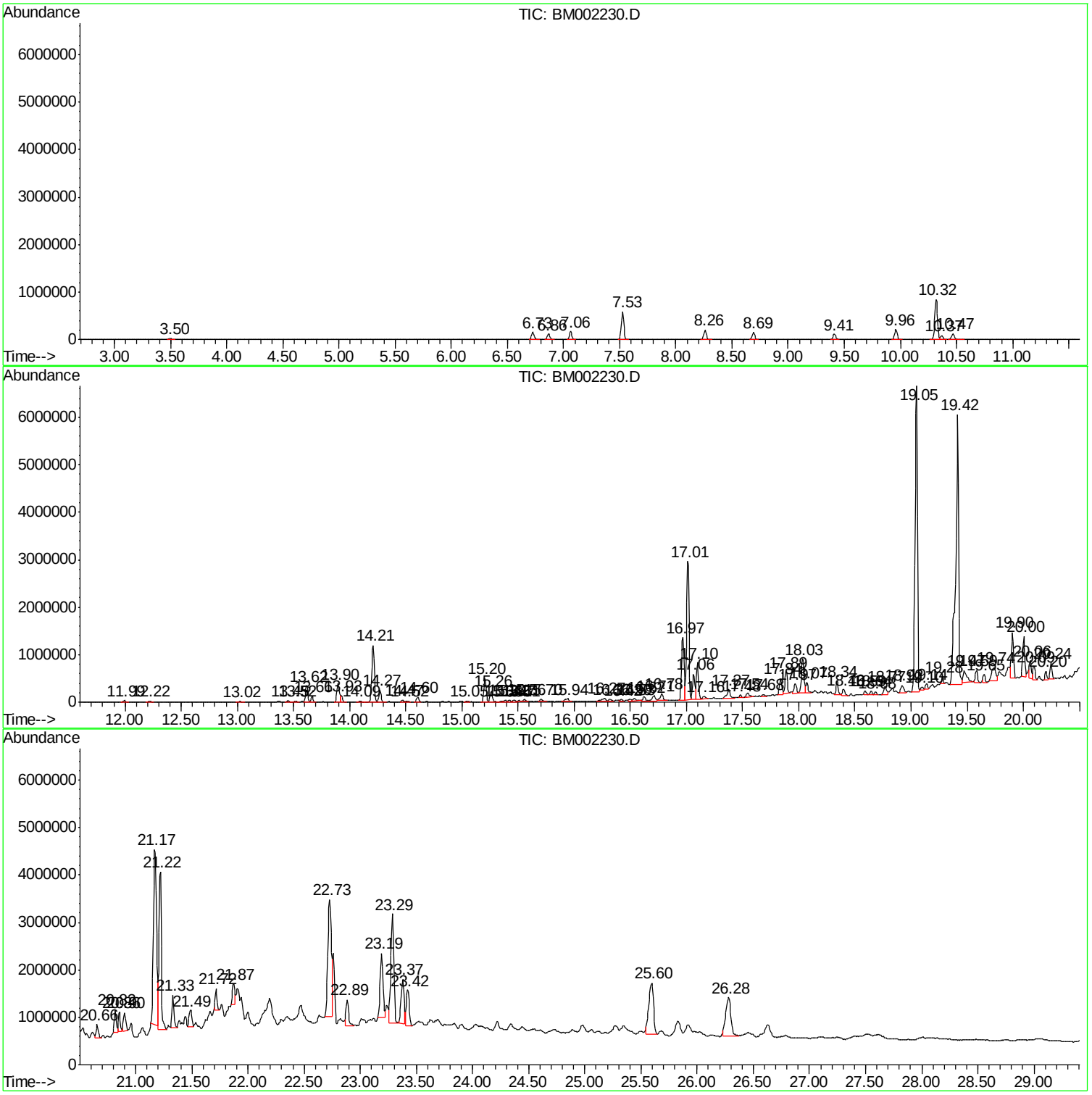
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
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Sample : G3095-13RE
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Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

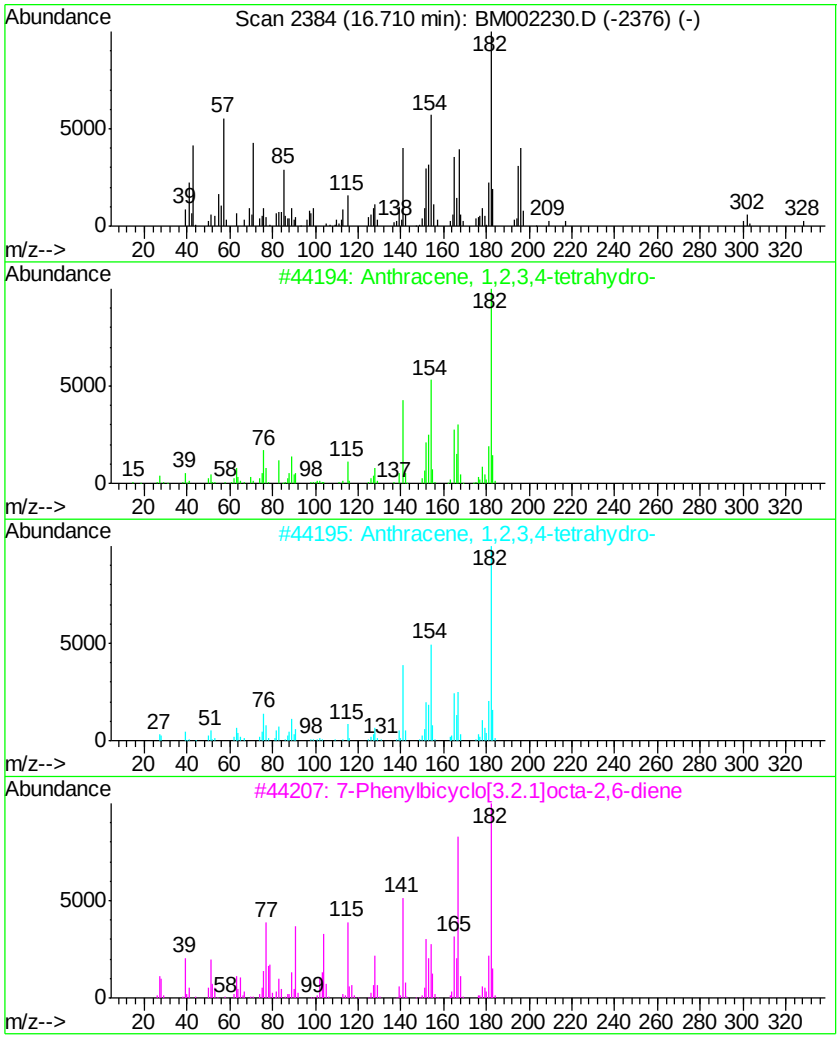
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

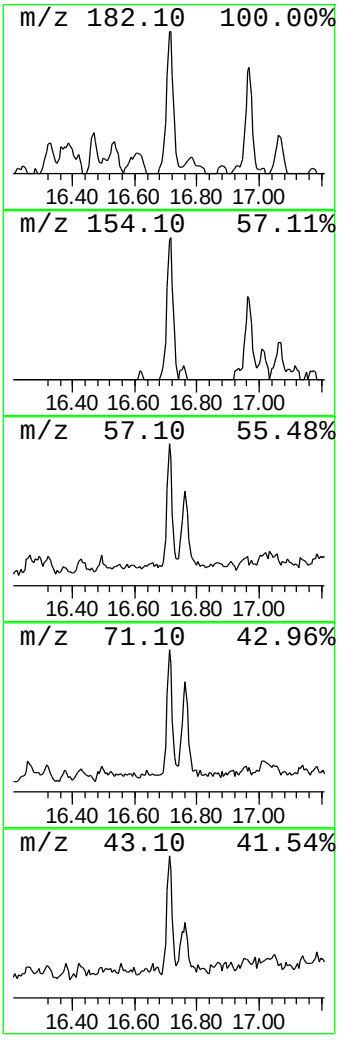
****

Peak Number 1 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	2.06 ng/ul	211923	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	97
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
3	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	60
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

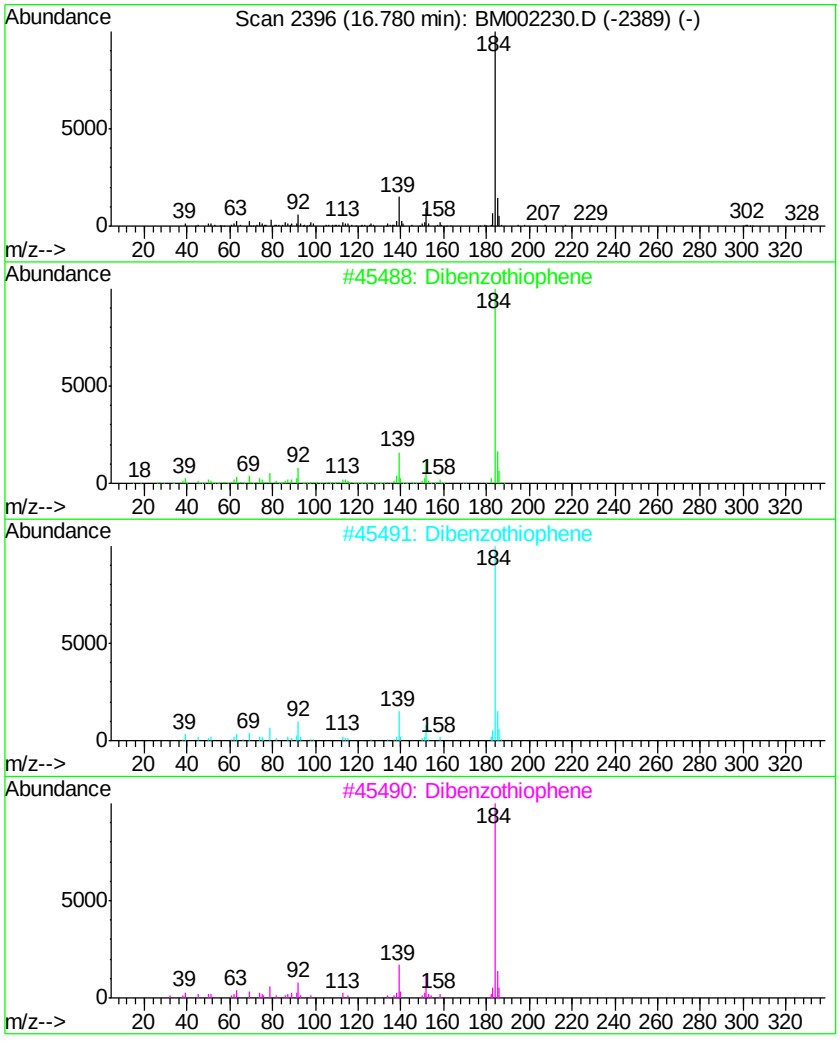
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

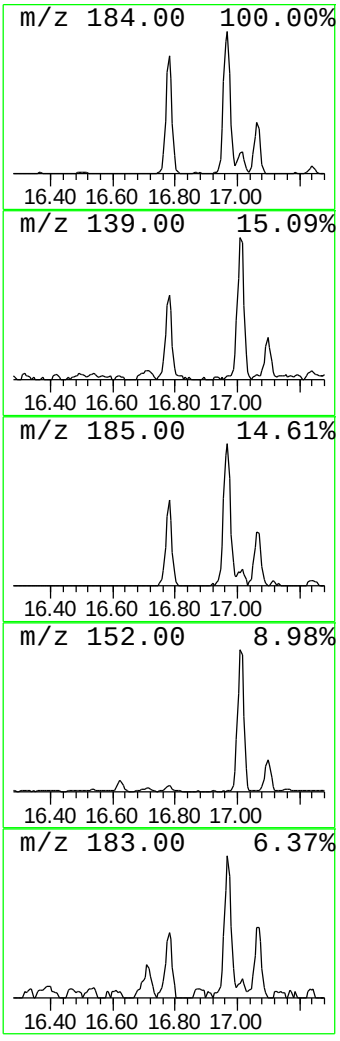
****

Peak Number 2 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	2.62 ng/ul	268536	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
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Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

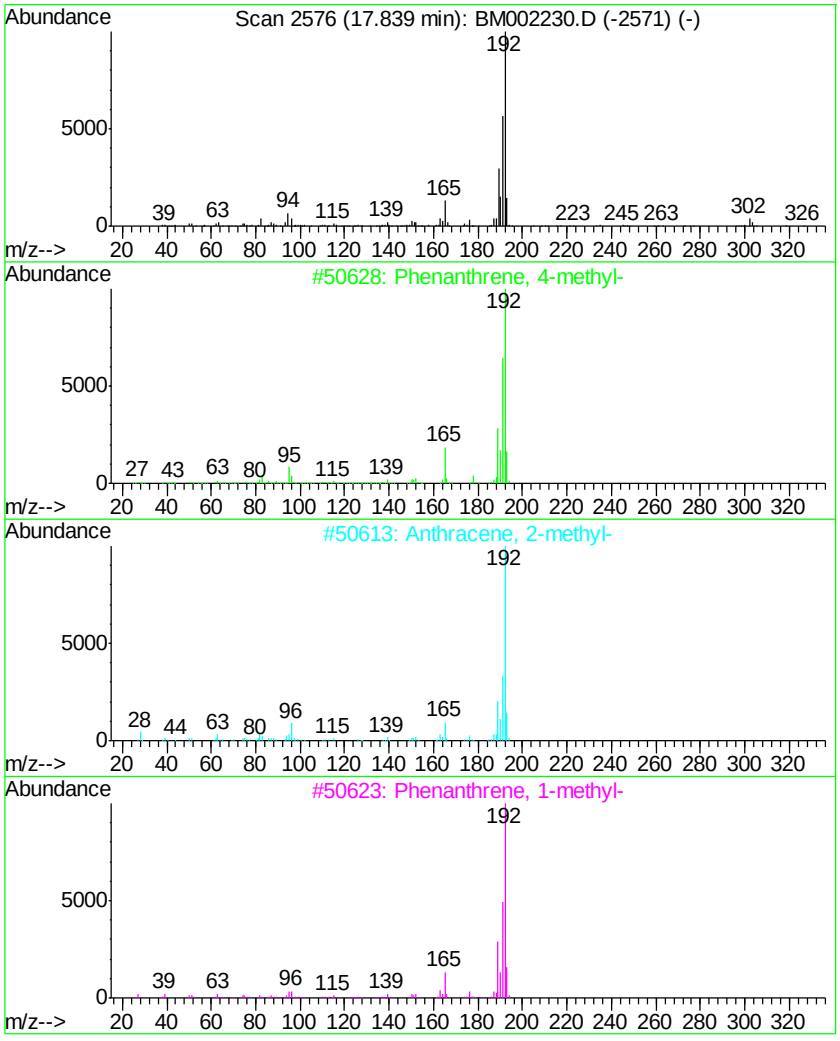
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

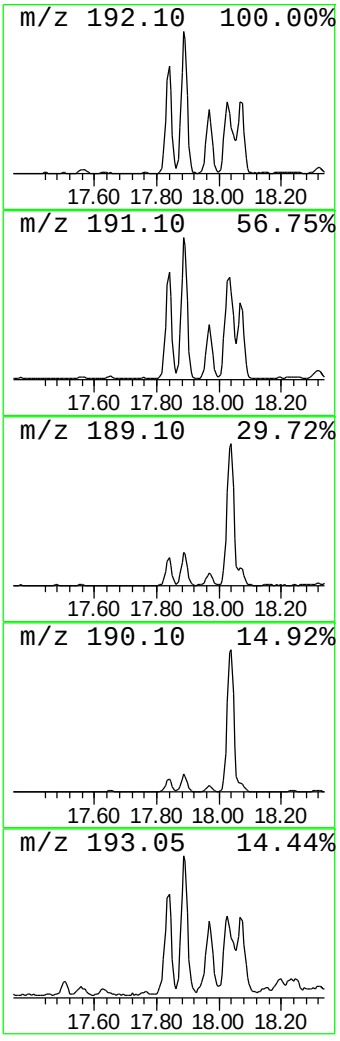
****

Peak Number 3 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	4.71 ng/ul	483332	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

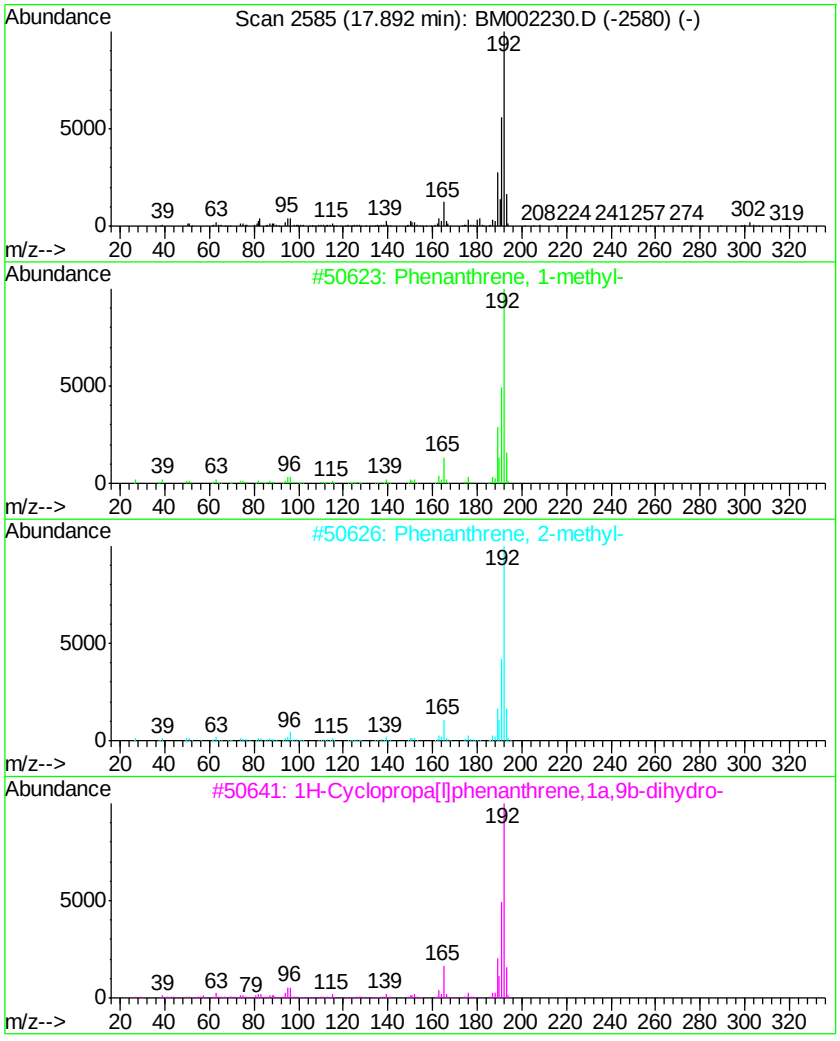
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

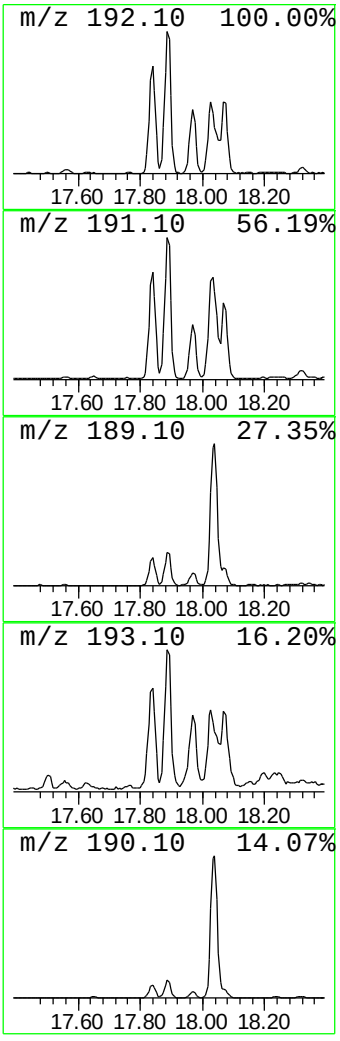
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	6.17 ng/ul	633737	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

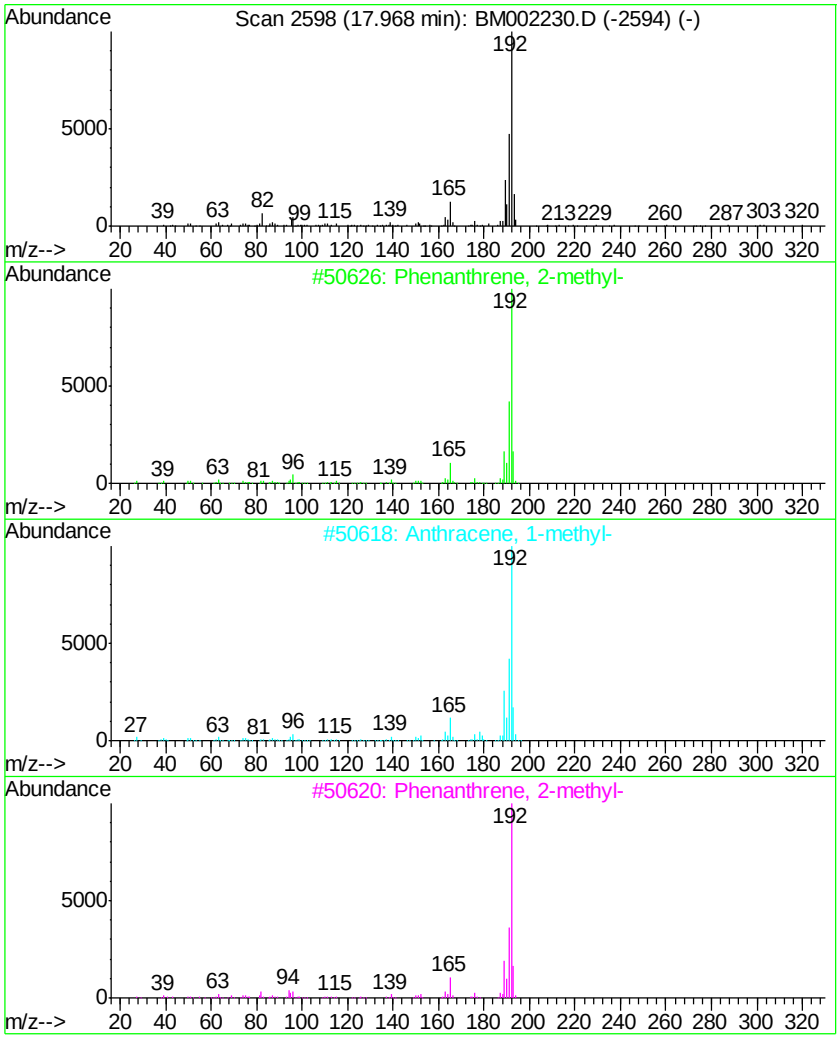
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

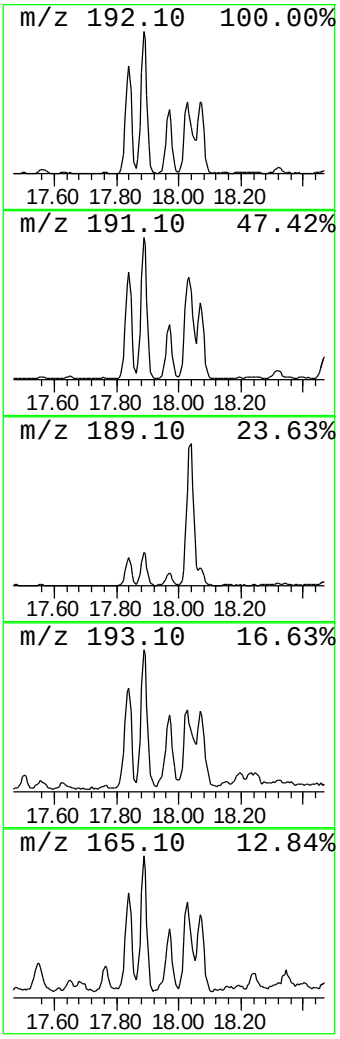
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.99 ng/ul	307263	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

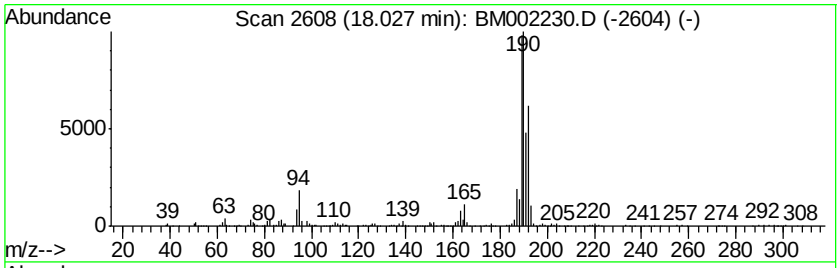
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

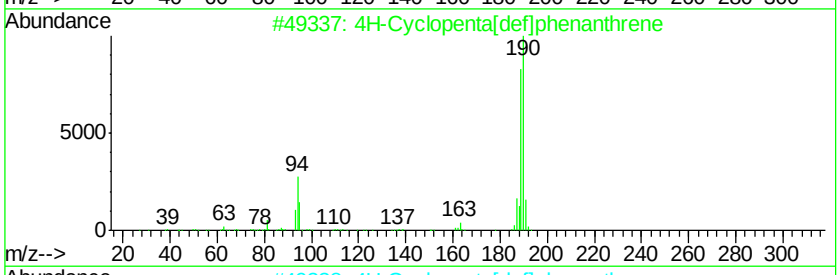
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

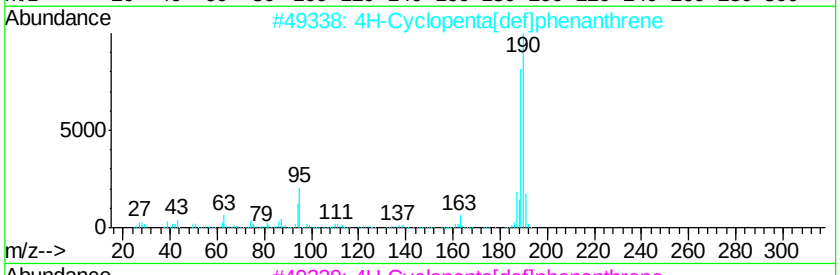
****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

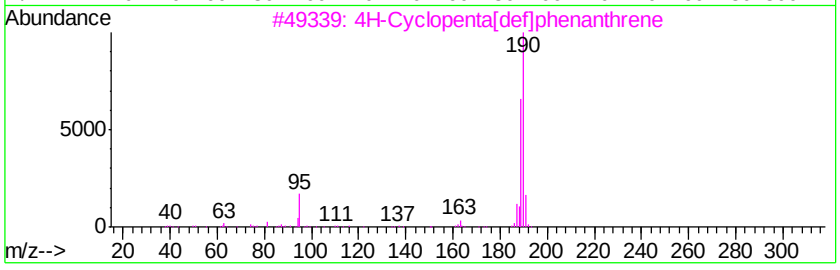
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	11.46 ng/ul	1177240	Phenanthrene-d10	16.97

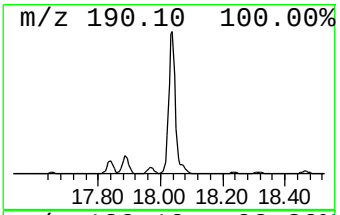
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52

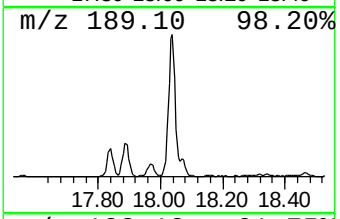


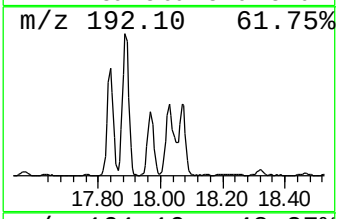


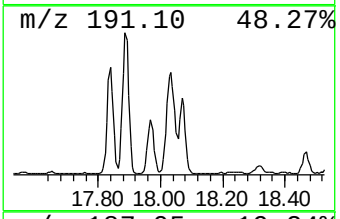


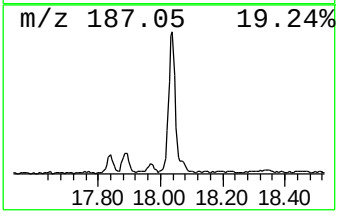












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Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

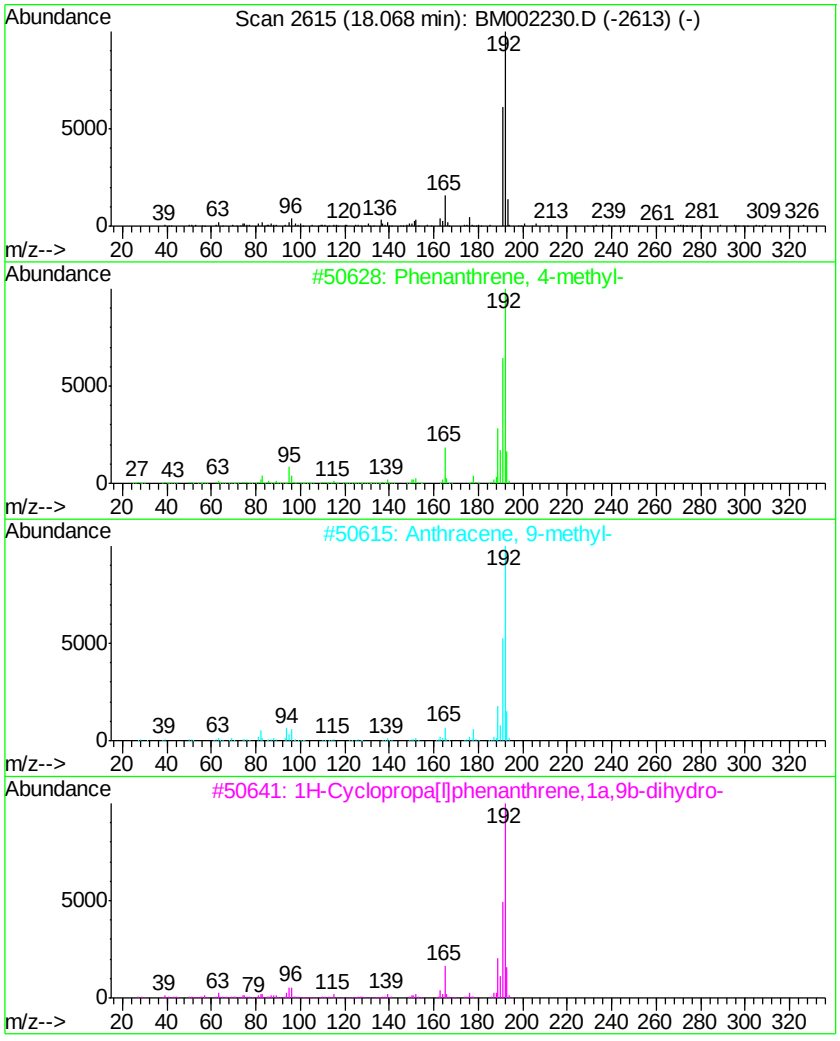
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

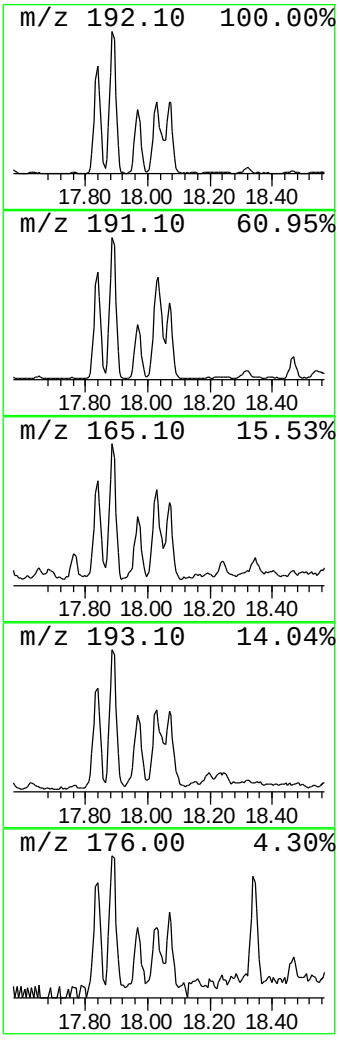
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.77 ng/ul	284677	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	87





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Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

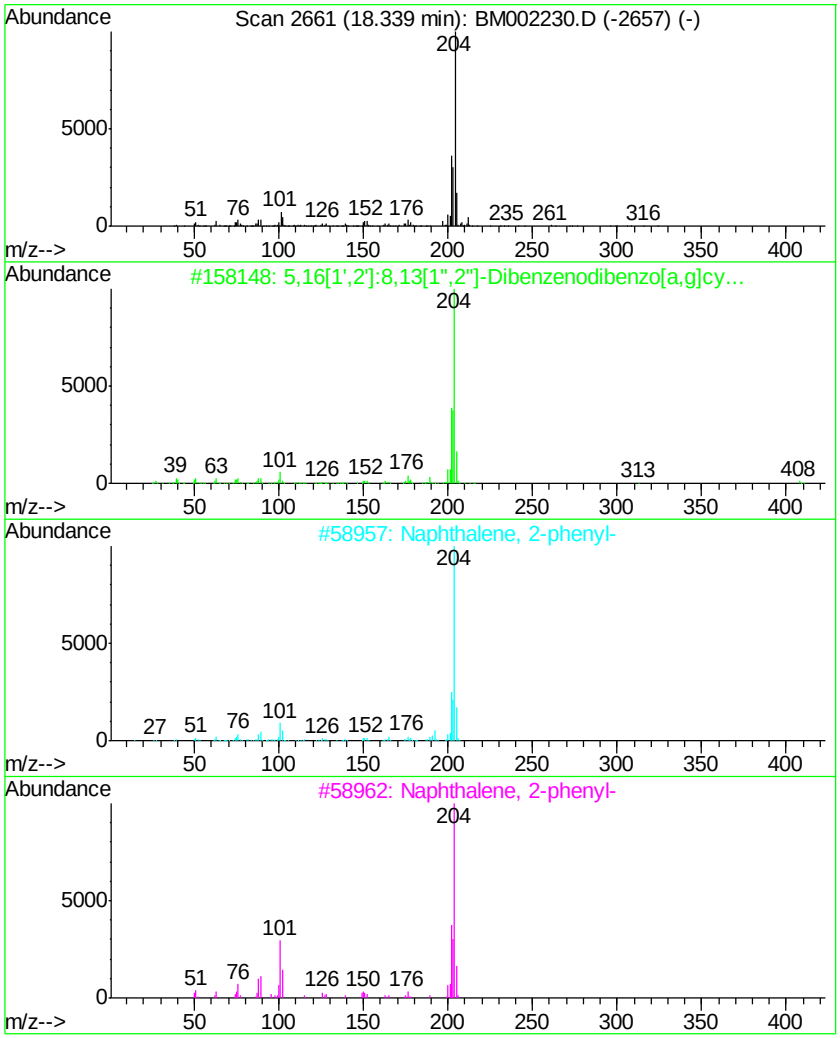
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

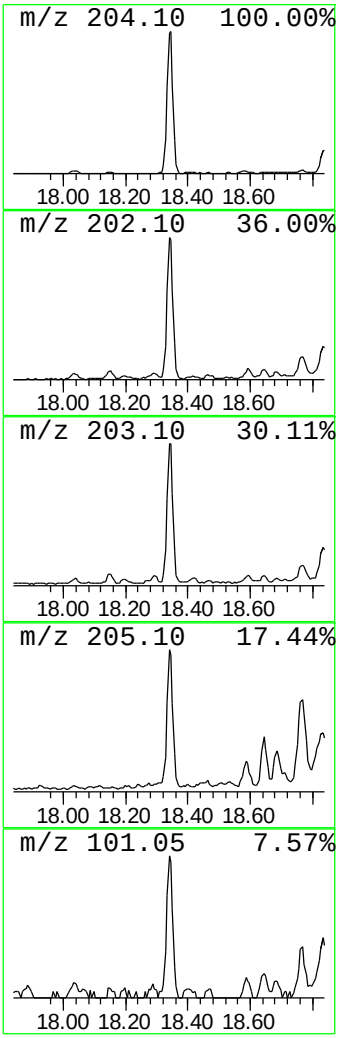
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.82 ng/ul	391983	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

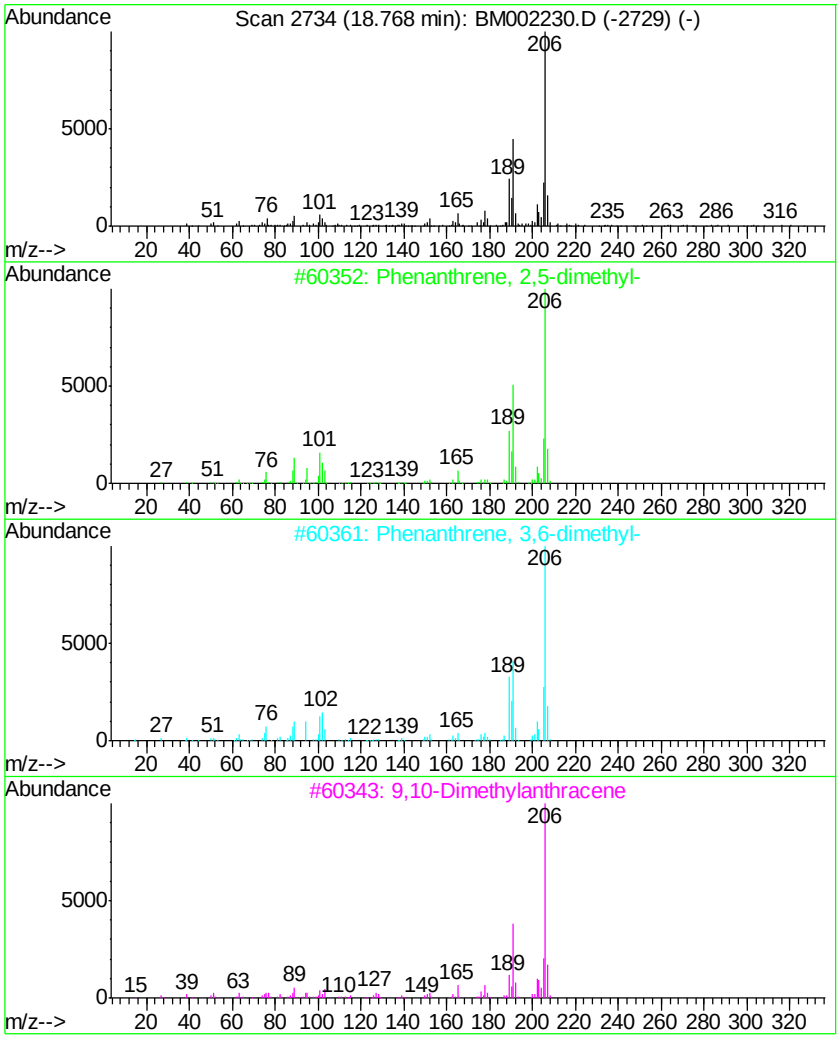
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

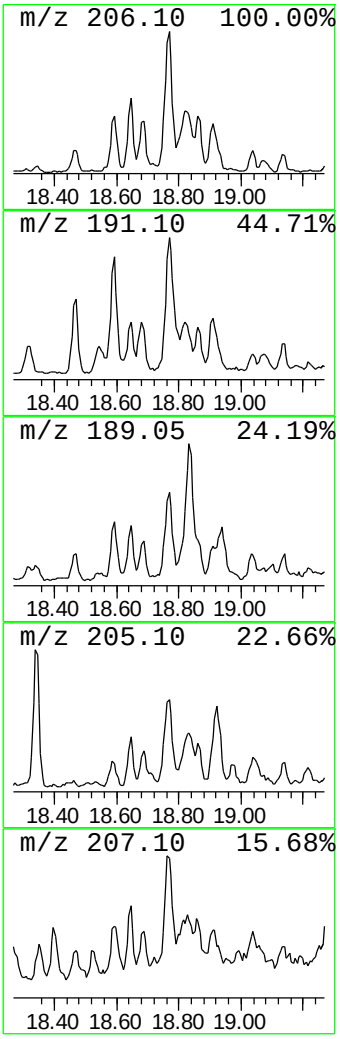
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.98 ng/ul	306393	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

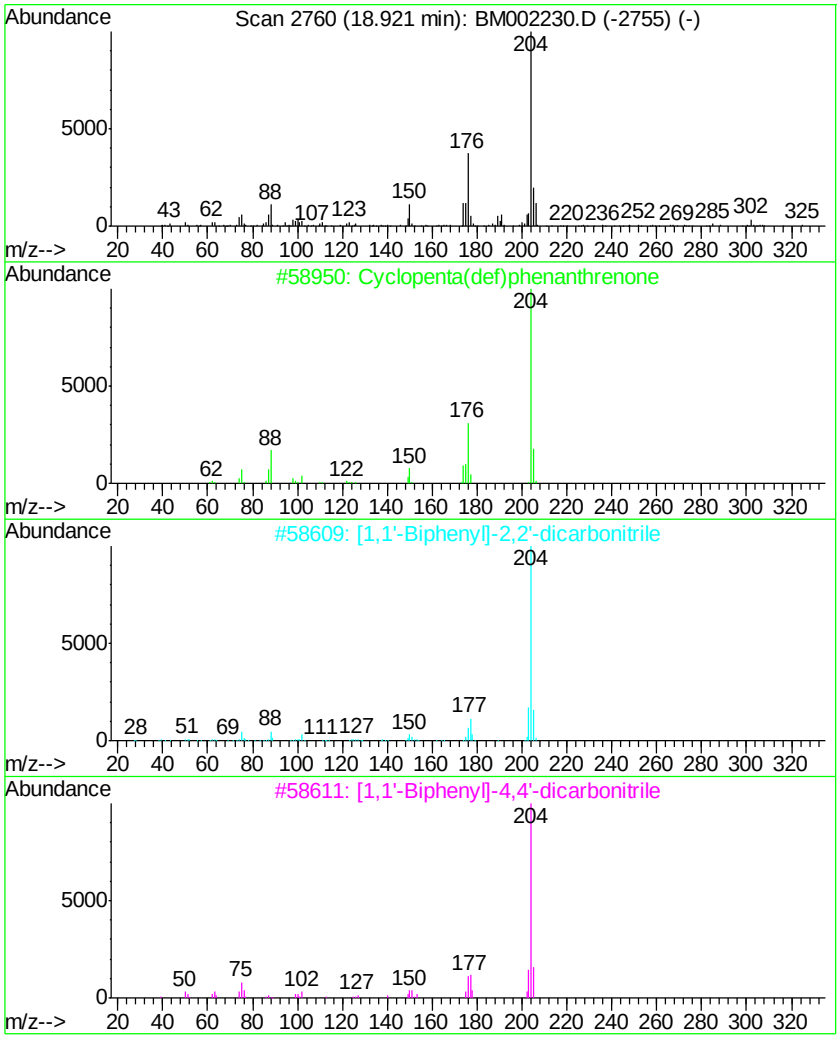
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

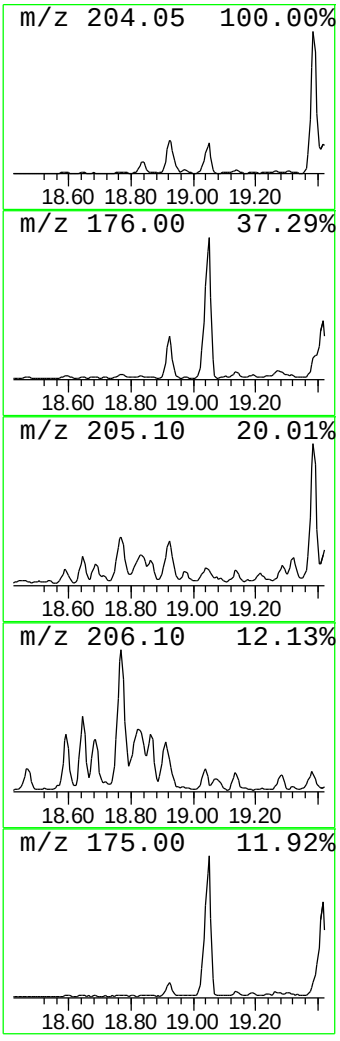
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.65 ng/ul	272169	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4	Galactopyranose, 1,2,3,4,6-penta...	540	C21H52O6Si5	001769-00-2	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

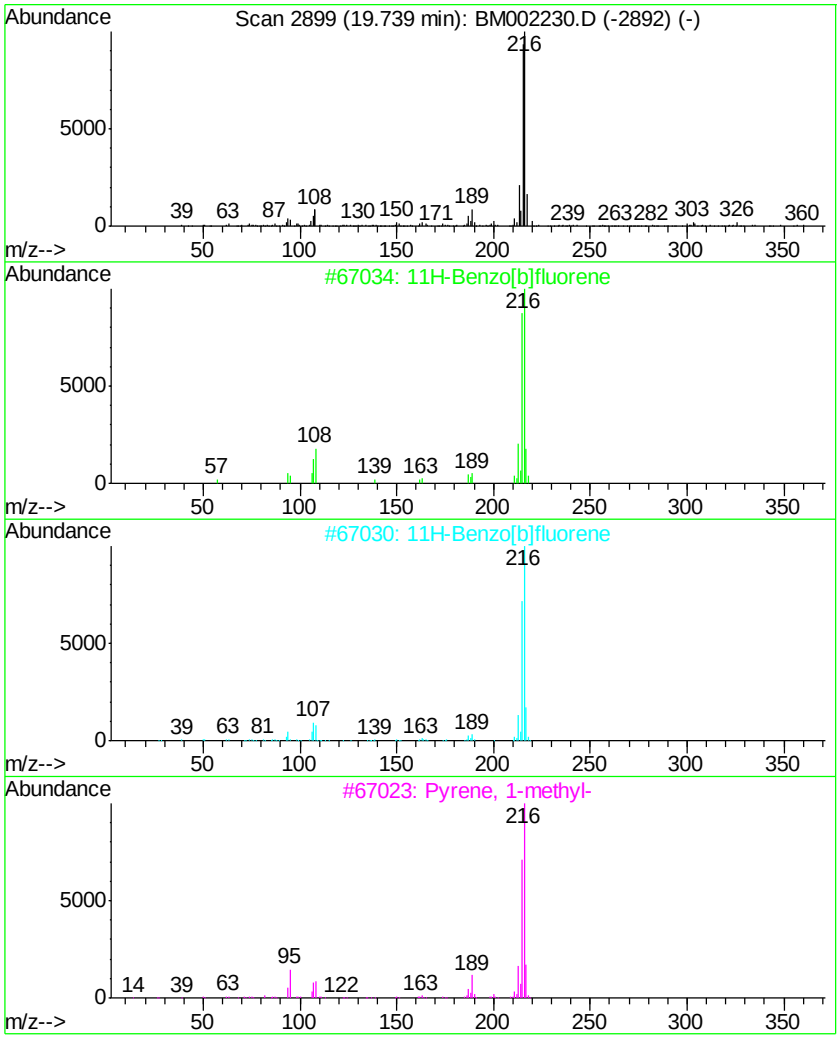
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

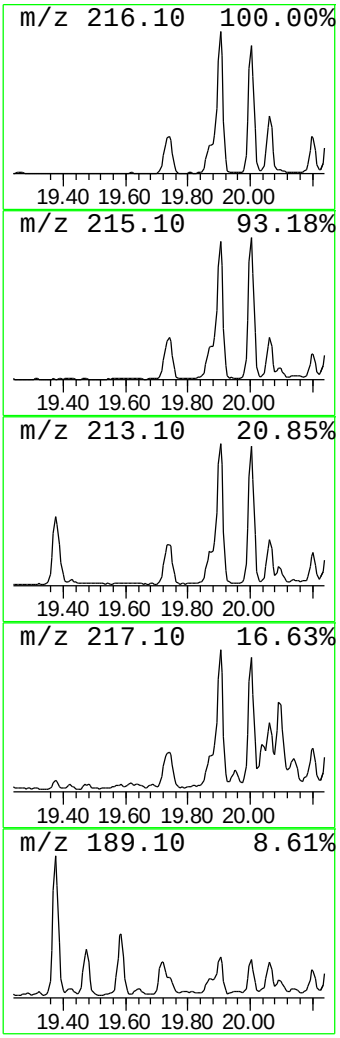
****

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.14 ng/ul	775751	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

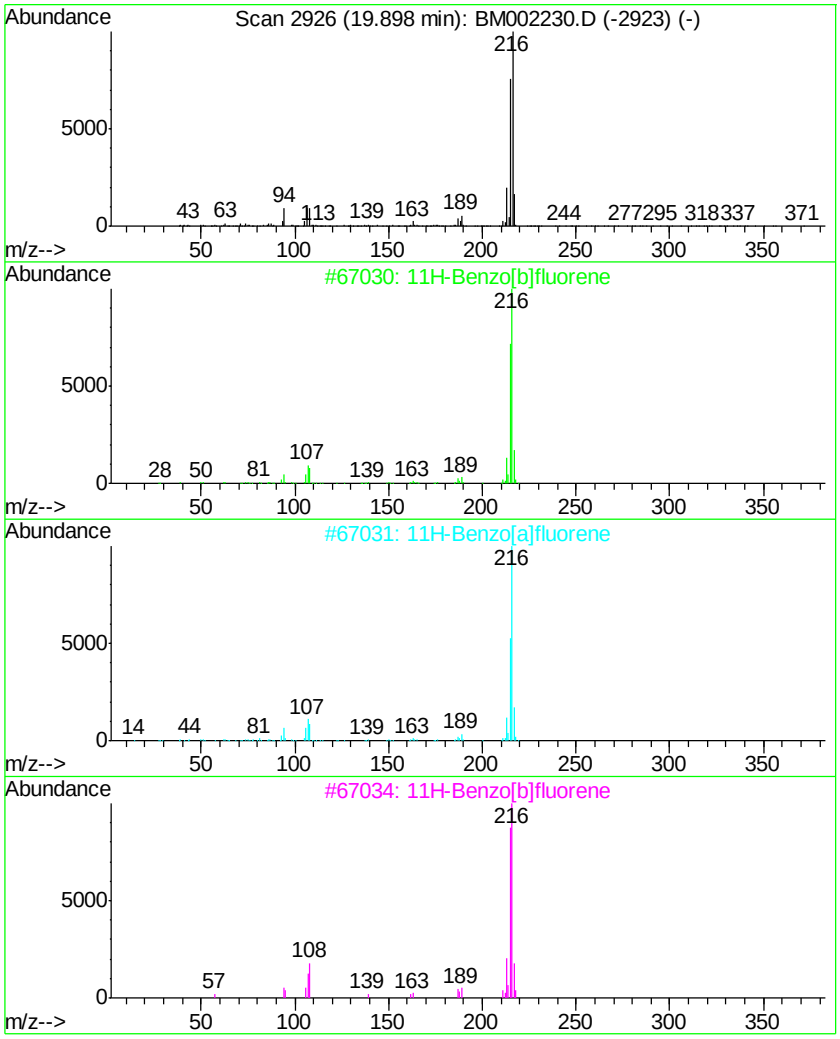
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

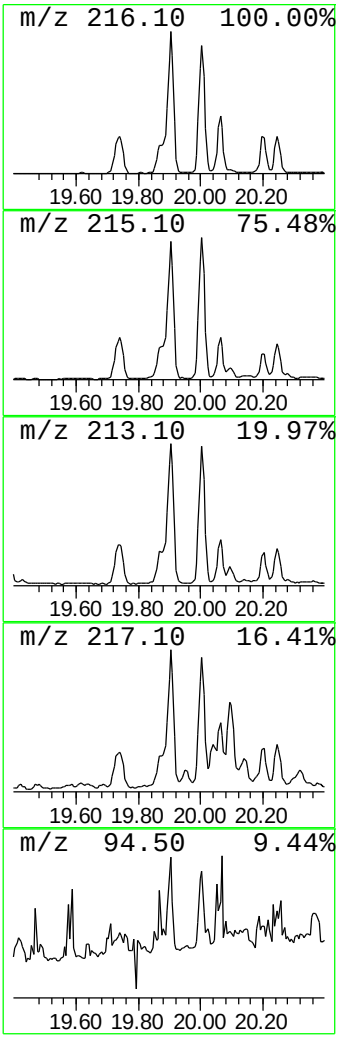
****

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.56 ng/ul	1290610	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

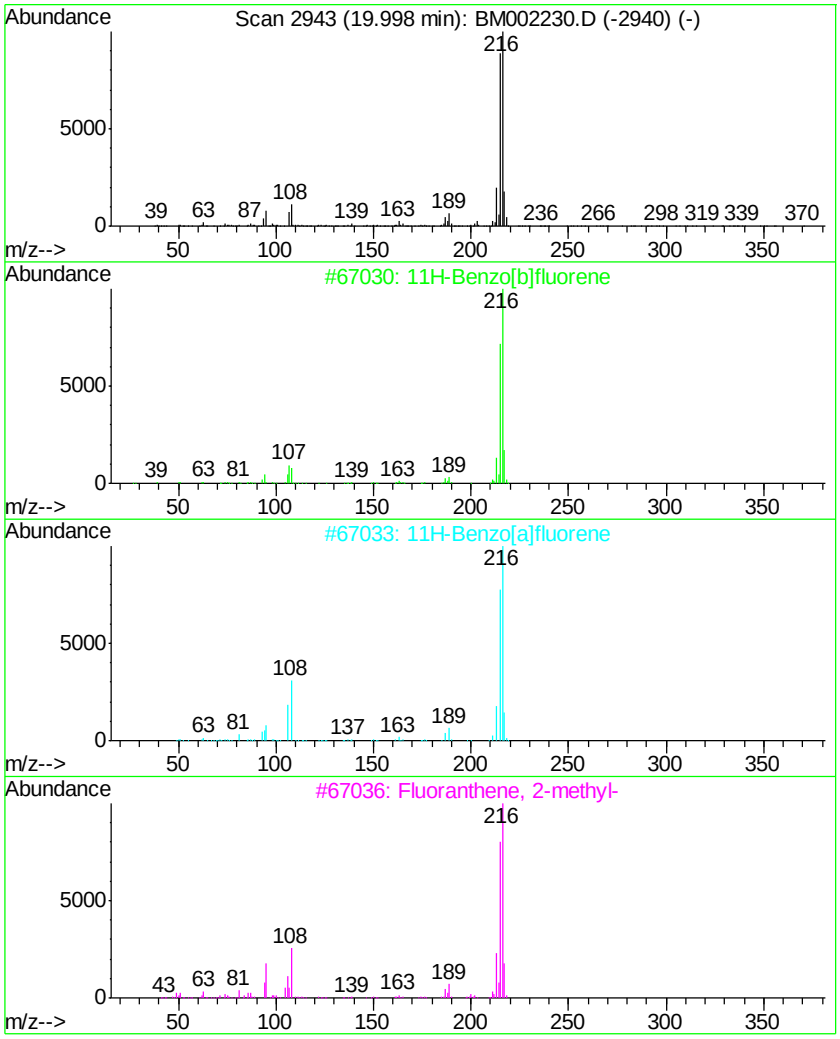
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

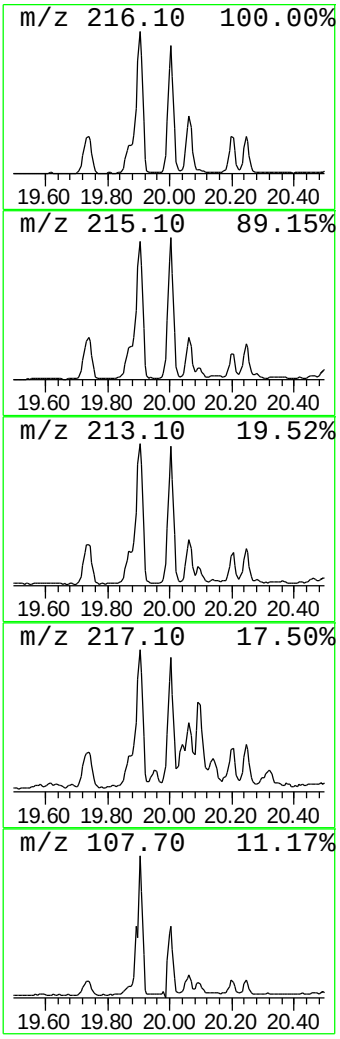
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.97 ng/ul	1078100	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

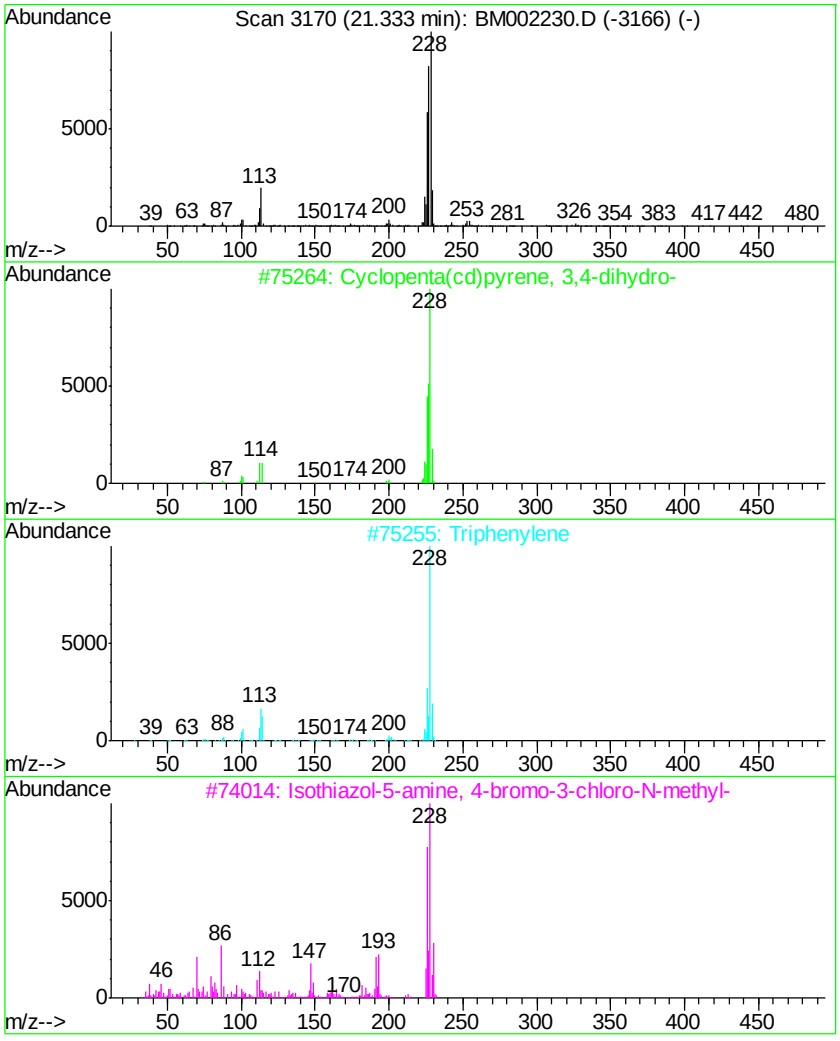
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

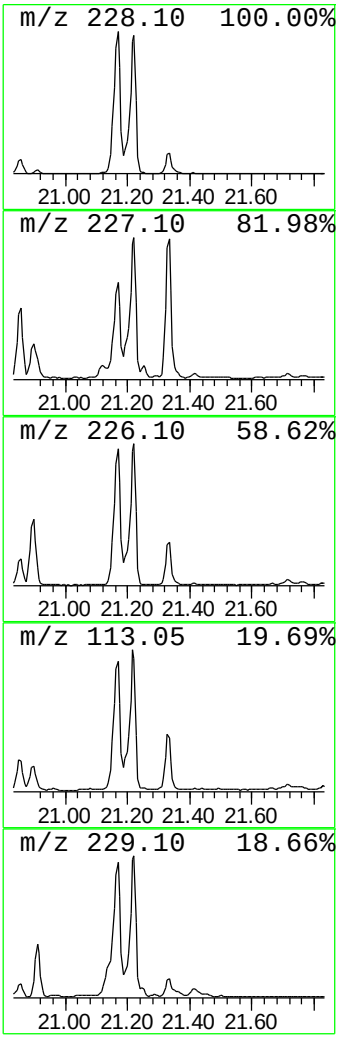
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	2.43 ng/ul	880385	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Triphenylene	228	C18H12	000217-59-4	43
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
5	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002230.D
Acq On : 05 Aug 2015 03:33
Operator : TP/UM
Sample : G3095-13RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.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
Anthracene, 1,2,3...	16.71	2.1	ng/ul	211923	4	16.97	2053640	20.0
Dibenzothiophene	16.78	2.6	ng/ul	268536	4	16.97	2053640	20.0
Phenanthrene, 4-m...	17.84	4.7	ng/ul	483332	4	16.97	2053640	20.0
Phenanthrene, 1-m...	17.89	6.2	ng/ul	633737	4	16.97	2053640	20.0
Phenanthrene, 2-m...	17.97	3.0	ng/ul	307263	4	16.97	2053640	20.0
4H-Cyclopenta[def...	18.03	11.5	ng/ul	1177240	4	16.97	2053640	20.0
Anthracene, 9-met...	18.07	2.8	ng/ul	284677	4	16.97	2053640	20.0
5,16[1',2']:8,13[...	18.34	3.8	ng/ul	391983	4	16.97	2053640	20.0
Phenanthrene, 2,5...	18.77	3.0	ng/ul	306393	4	16.97	2053640	20.0
Cyclopenta(def)ph...	18.92	2.6	ng/ul	272169	4	16.97	2053640	20.0
11H-Benzo[b]fluorene	19.74	2.1	ng/ul	775751	5	21.18	7250500	20.0
11H-Benzo[a]fluorene	19.90	3.6	ng/ul	1290610	5	21.18	7250500	20.0
Fluoranthene, 2-m...	20.00	3.0	ng/ul	1078100	5	21.18	7250500	20.0
Cyclopenta(cd)pyr...	21.33	2.4	ng/ul	880385	5	21.18	7250500	20.0