LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.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	8.006	828	837	851	rBV	661544	1094363	3.62%	0.335%
2	10.802	1301	1313	1319	rBV	983331	1835111	6.07%	0.562%
3	14.016	1852	1860	1864	rVV	314391	550447	1.82%	0.169%
4	14.310	1903	1910	1927	rBV2	406890	912549	3.02%	0.280%
5	14.616	1950	1962	1968	rBV2	1336734	2288776	7.57%	0.701%
6	14.680	1968	1973	1980	rVB	992572	1508978	4.99%	0.462%
7	15.015	2023	2030	2038	rBV	449248	733672	2.43%	0.225%
8	15.603	2122	2130	2135	rVV	482304	786457	2.60%	0.241%
9	15.661	2135	2140	2149	rVV	1224276	1886634	6.24%	0.578%
10	15.949	2185	2189	2197	rVB	286063	455597	1.51%	0.140%
11	16.096	2204	2214	2222	rBV	307825	661363	2.19%	0.203%
12	16.660	2298	2310	2315	rBV3	319533	848608	2.81%	0.260%
13	16.883	2340	2348	2352	rBV2	180322	379990	1.26%	0.116%
14	16.925	2352	2355	2364	rVV2	186730	395280	1.31%	0.121%
15	17.007	2364	2369	2377	rVV	377125	632318	2.09%	0.194%
16	17.107	2377	2386	2391	rVV2	677656	1295546	4.28%	0.397%
17	17.171	2391	2397	2406	rVB	596936	1014959	3.36%	0.311%
18	17.354	2417	2428	2431	rBV	1383743	2223412	7.35%	0.681%
19	17.406	2431	2437	2442	rVV	9681303	16471368	54.46%	5.046%
20	17.489	2442	2451	2456	rVV2	2834280	5052474	16.70%	1.548%
21	17.542	2456	2460	2466	rVB	315704	521881	1.73%	0.160%
22	17.753	2486	2496	2506	rBV2	1278586	2525456	8.35%	0.774%
23	17.865	2512	2515	2522	rBV2	254888	397770	1.32%	0.122%
24	17.935	2522	2527	2536	rVV3	204660	392415	1.30%	0.120%
25	18.229	2567	2577	2581	rBV	1402855	2242366	7.41%	0.687%
26	18.276	2581	2585	2591	rVB	2039015	2943784	9.73%	0.902%
27	18.358	2592	2599	2604	rBV	755054	1231207	4.07%	0.377%
28	18.429	2604	2611	2622	rVB3	2850699	6395401	21.14%	1.959%
29	18.722	2655	2661	2665	rVV	1128777	1658131	5.48%	0.508%
30	18.769	2665	2669	2676	rVB	848589	1225512	4.05%	0.375%
31	18.963	2689	2702	2707	rBV2	350142	741180	2.45%	0.227%
32	19.016	2707	2711	2714	rVV	343742	434606	1.44%	0.133%
33	19.057	2714	2718	2723	rVB	290489	361741	1.20%	0.111%
34	19.140	2725	2732	2736	rBV	619399	1150637	3.80%	0.352%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Title : SVOA CALIBRATION

35	19.204	2738	2743	2751	rVB4	436305	1053460	3.48%	0.323%
36	19.287	2751	2757	2764	rBV2	802043	1480136	4.89%	0.453%
37	19.422	2771	2780	2785	rBV	14771208	27742070	91.72%	8.498%
38	19.463	2785	2787	2790	rVV	285730	343497	1.14%	0.105%
39	19.498	2790	2793	2798	rVV2	534531	726589	2.40%	0.223%
40	19.598	2805	2810	2813	rVV5	273184	534159	1.77%	0.164%
41	19.645	2813	2818	2828	rVB2	739148	1666347	5.51%	0.510%
42	19.780	2828	2841	2846	rBV3	13257938	30246289	100.00%	9.265%
43	19.833	2846	2850	2856	rVB2	981747	1507638	4.98%	0.462%
44	19.939	2857	2868	2873	rBV	1350304	2214202	7.32%	0.678%
45	20.003	2874	2879	2885	rVB	1243967	1883894	6.23%	0.577%
46	20.080	2885	2892	2899	rBV2	1295064	3423353	11.32%	1.049%
47	20.138	2899	2902	2908	rBV2	400992	486662	1.61%	0.149%
48	20.256	2909	2922	2927	rBV	3762636	7348214	24.29%	2.251%
49	20.356	2933	2939	2943	rBV	3227110	4597818	15.20%	1.408%
50	20.415	2943	2949	2952	rVV2	1523128	2883454	9.53%	0.883%
51	20.450	2952	2955	2958	rVB2	907306	1085966	3.59%	0.333%
52	20.491	2959	2962	2966	rVB2	384936	516594	1.71%	0.158%
53	20.550	2967	2972	2976	rVV	954620	1426324	4.72%	0.437%
54	20.597	2976	2980	2989	rVB3	1086928	1746782	5.78%	0.535%
55	20.802	3011	3015	3018	rBV3	269453	438286	1.45%	0.134%
56	20.844	3018	3022	3024	rVV2	531849	878401	2.90%	0.269%
57	20.879	3024	3028	3037	rVB3	822495	1666011	5.51%	0.510%
58	20.967	3038	3043	3046	rBV4	485839	883604	2.92%	0.271%
59	21.008	3046	3050	3057	rVB	1281064	2031443	6.72%	0.622%
60	21.190	3073	3081	3085	rBV3	1887093	3662445	12.11%	1.122%
61	21.231	3085	3088	3092	rVV	1747335	2618405	8.66%	0.802%
62	21.284	3092	3097	3102	rVV3	2124407	4018113	13.28%	1.231%
63	21.343	3102	3107	3119	rVB2	1433022	2789432	9.22%	0.854%
64	21.466	3119	3128	3135	rBV	610566	1608003	5.32%	0.493%
65	21.596	3137	3150	3155	rBV3	9488514	21563157	71.29%	6.605%
66	21.666	3156	3162	3172	rVB	8432438	16315823	53.94%	4.998%
67	21.807	3180	3186	3192	rBV	1894428	3083401	10.19%	0.945%
68	21.872	3193	3197	3201	rBV4	305364	580013	1.92%	0.178%
69	21.942	3204	3209	3214	rVB	870833	1692607	5.60%	0.518%
70	22.007	3214	3220	3227	rVV2	1474632	2822118	9.33%	0.864%
71	22.072	3227	3231	3236	rVB3	276387	444801	1.47%	0.136%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Title : SVOA CALIBRATION

72	22.195	3246	3252	3255	rBV3	225238	437045	1.44%	0.134%
73	22.242	3255	3260	3265	rVV3	433771	875873	2.90%	0.268%
74	22.324	3265	3274	3279	rVB	1266088	2853046	9.43%	0.874%
75	22.395	3280	3286	3293	rVB2	755654	1602647	5.30%	0.491%
76	22.483	3295	3301	3305	rBV3	403394	839852	2.78%	0.257%
77	22.536	3305	3310	3315	rVV2	675601	1405362	4.65%	0.431%
78	22.594	3315	3320	3324	rVV	950454	1953800	6.46%	0.599%
79	22.641	3324	3328	3336	rVB3	1062184	2209289	7.30%	0.677%
80	22.724	3336	3342	3350	rBV3	664450	1462724	4.84%	0.448%
81	22.994	3381	3388	3394	rBV4	517038	1410191	4.66%	0.432%
82	23.405	3450	3458	3467	rBV3	597466	1765857	5.84%	0.541%
83	23.646	3495	3499	3507	rVB3	245164	594338	1.96%	0.182%
84	23.799	3510	3525	3531	rBV2	5929431	22495711	74.38%	6.891%
85	24.034	3557	3565	3572	rBV	1267750	3041965	10.06%	0.932%
86	24.234	3590	3599	3602	rBV4	474282	1321920	4.37%	0.405%
87	24.504	3633	3645	3658	rBV	3266648	10376615	34.31%	3.179%
88	24.657	3659	3671	3680	rVB	5005729	14964881	49.48%	4.584%
89	24.780	3682	3692	3698	rBV	716445	2334424	7.72%	0.715%
90	24.862	3698	3706	3720	rVB2	1693090	5486639	18.14%	1.681%
91	25.209	3755	3765	3770	rBV3	288025	993071	3.28%	0.304%
92	25.644	3833	3839	3851	rVB7	245015	861707	2.85%	0.264%
93	25.838	3864	3872	3881	rVB6	224544	727282	2.40%	0.223%
94	26.137	3915	3923	3946	rVB	452738	1885166	6.23%	0.577%
95	27.923	4219	4227	4232	rBV3	224528	701745	2.32%	0.215%
96	28.423	4296	4312	4333	rBV2	1862156	9523194	31.49%	2.917%
97	28.858	4376	4386	4397	rVB4	309817	1258377	4.16%	0.385%
98	29.010	4401	4412	4425	rBV3	274863	1144039	3.78%	0.350%
99	29.539	4486	4502	4542	rBV2	1132463	7156856	23.66%	2.192%
100	30.127	4592	4602	4619	rBV4	301395	1505059	4.98%	0.461%

Sum of corrected areas: 326448175

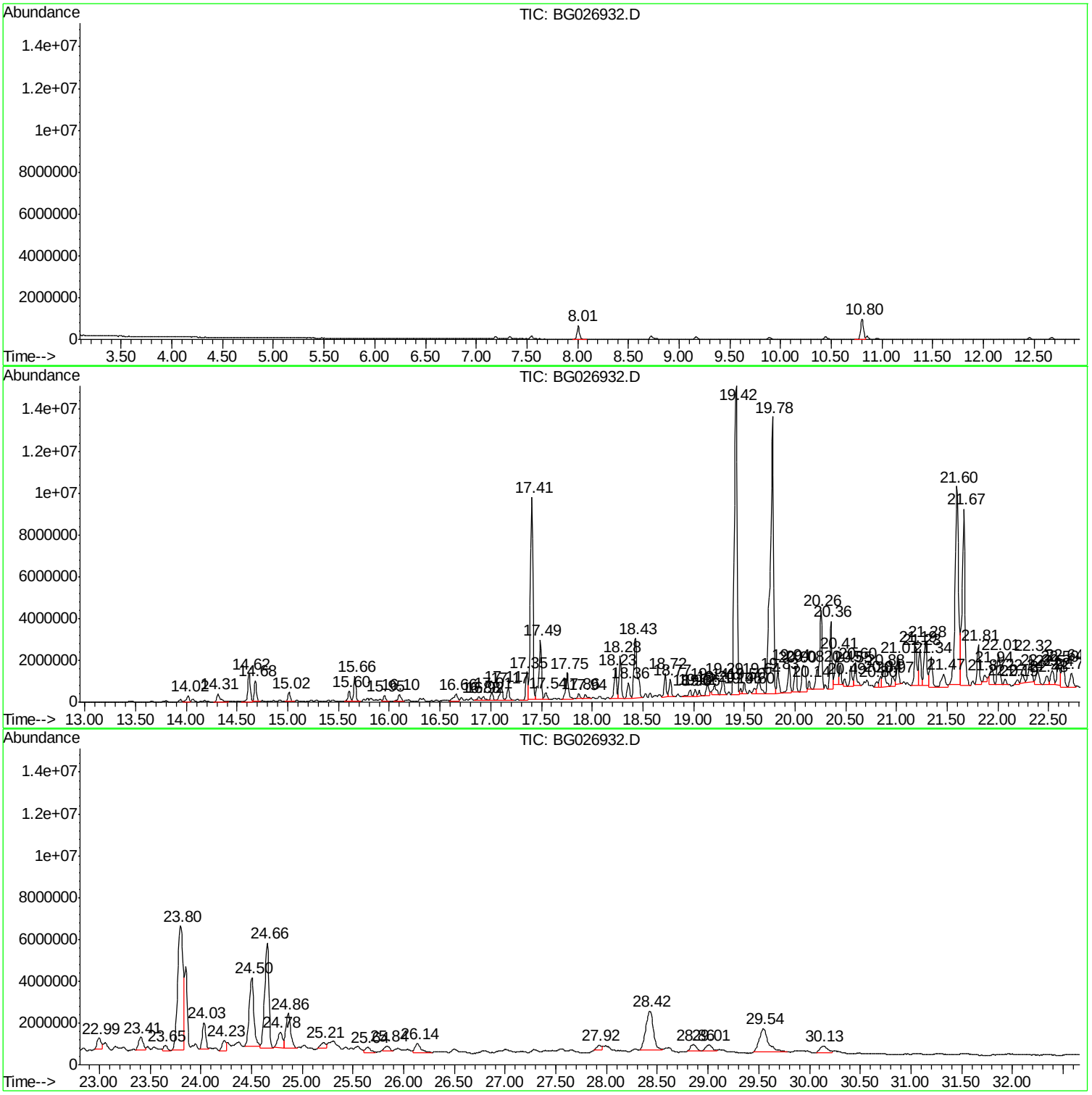
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

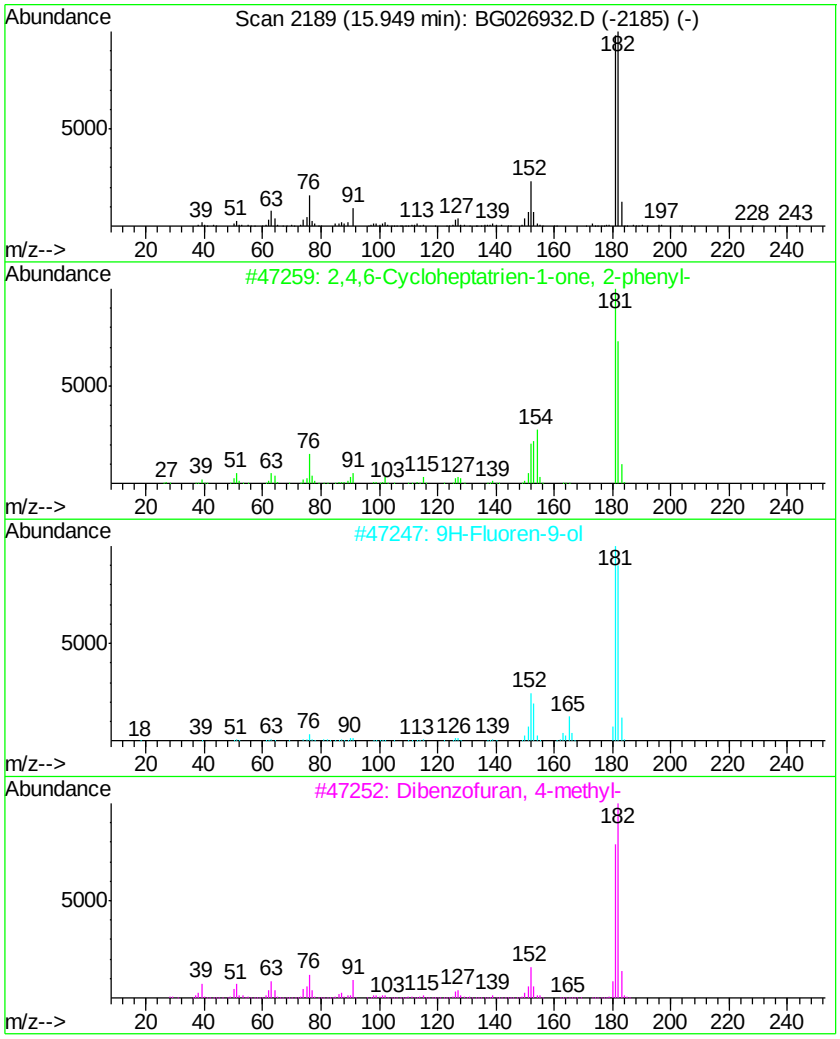
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

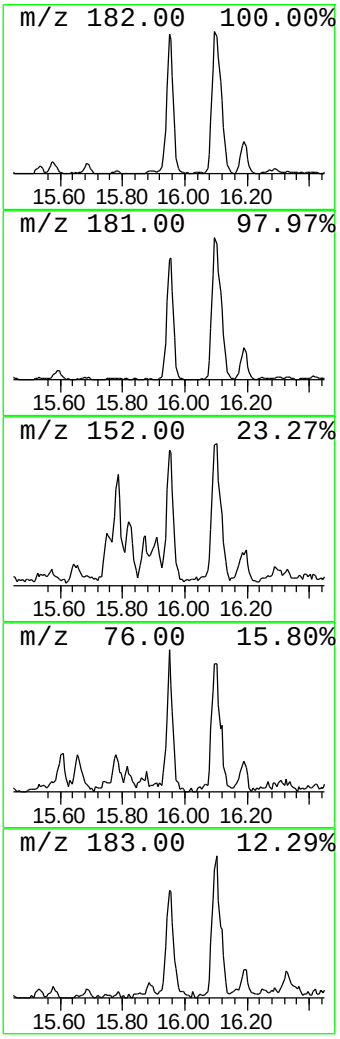
****

Peak Number 1 2,4,6-Cycloheptatrien-1-one... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	3.98 ng/ul	455597	Acenaphthene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	74
5	9H-Xanthene	182	C13H10O	000092-83-1	72





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

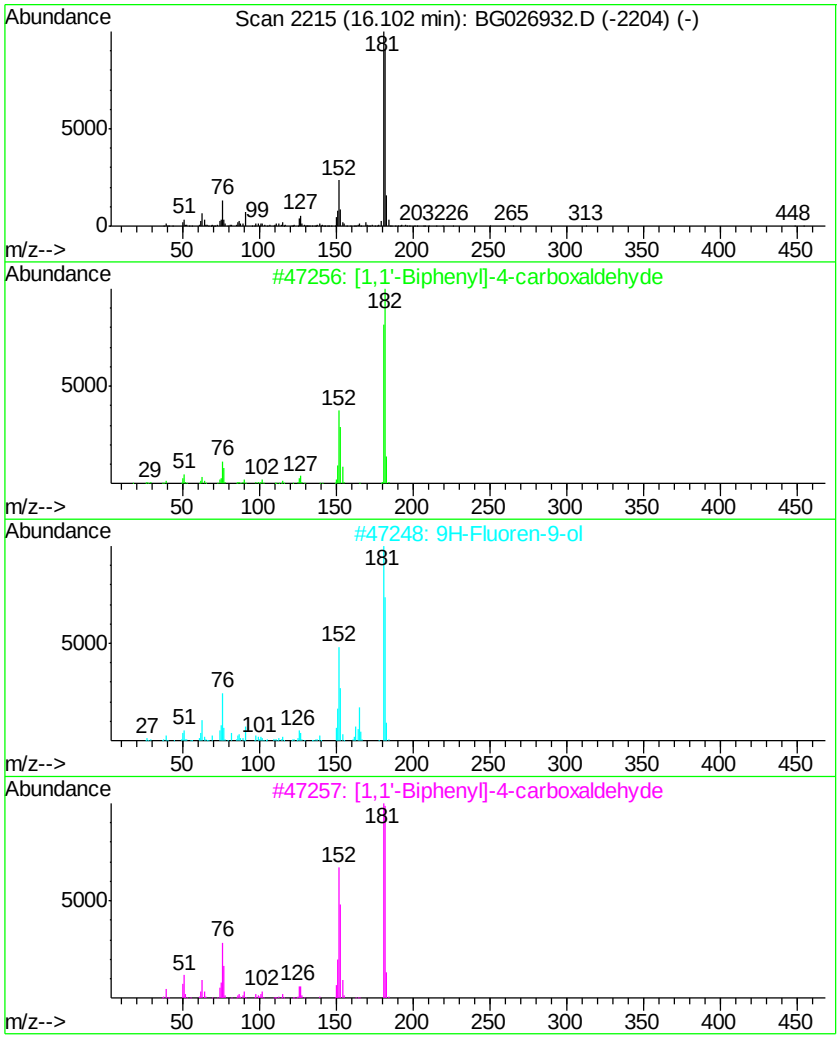
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

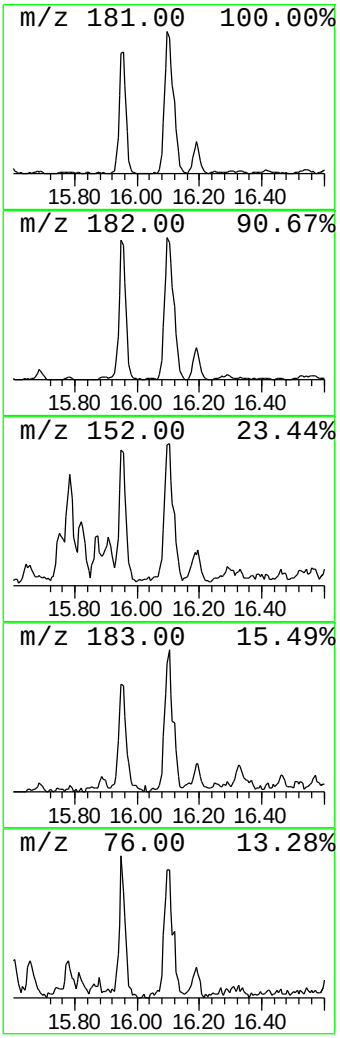
****

Peak Number 2 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	5.95 ng/ul	661363	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

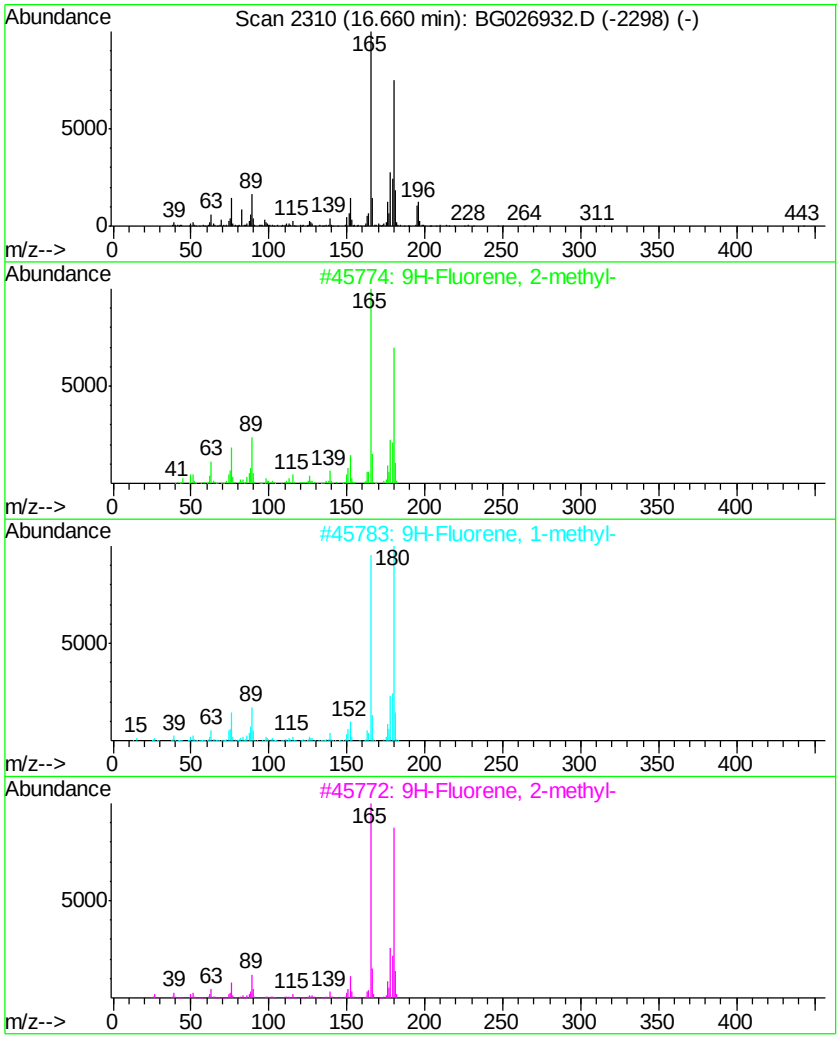
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

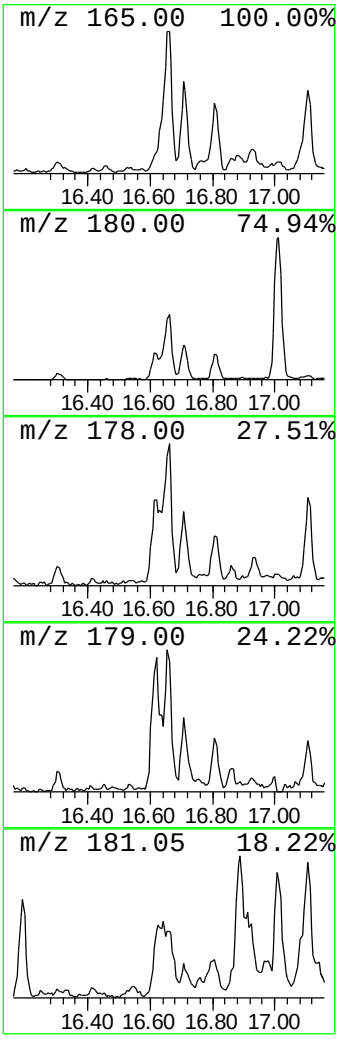
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	7.63 ng/ul	848608	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

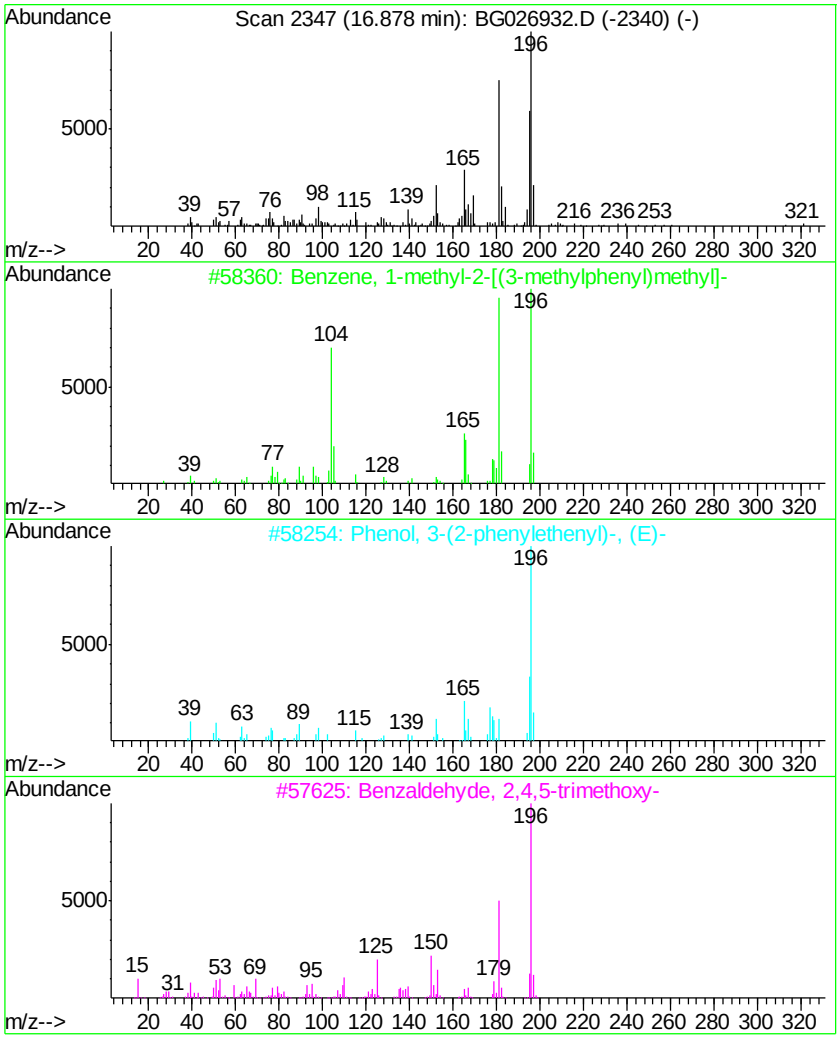
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

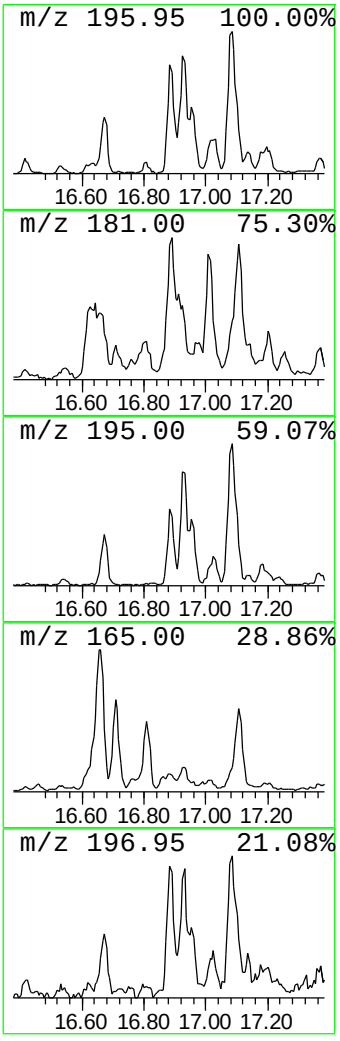
****

Peak Number 4 Benzene, 1-methyl-2-[(3-met... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	3.42 ng/ul	379990	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	70
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
3	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	52
4	Pentamethylmelamine	196	C8H16N6	035832-09-8	52
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

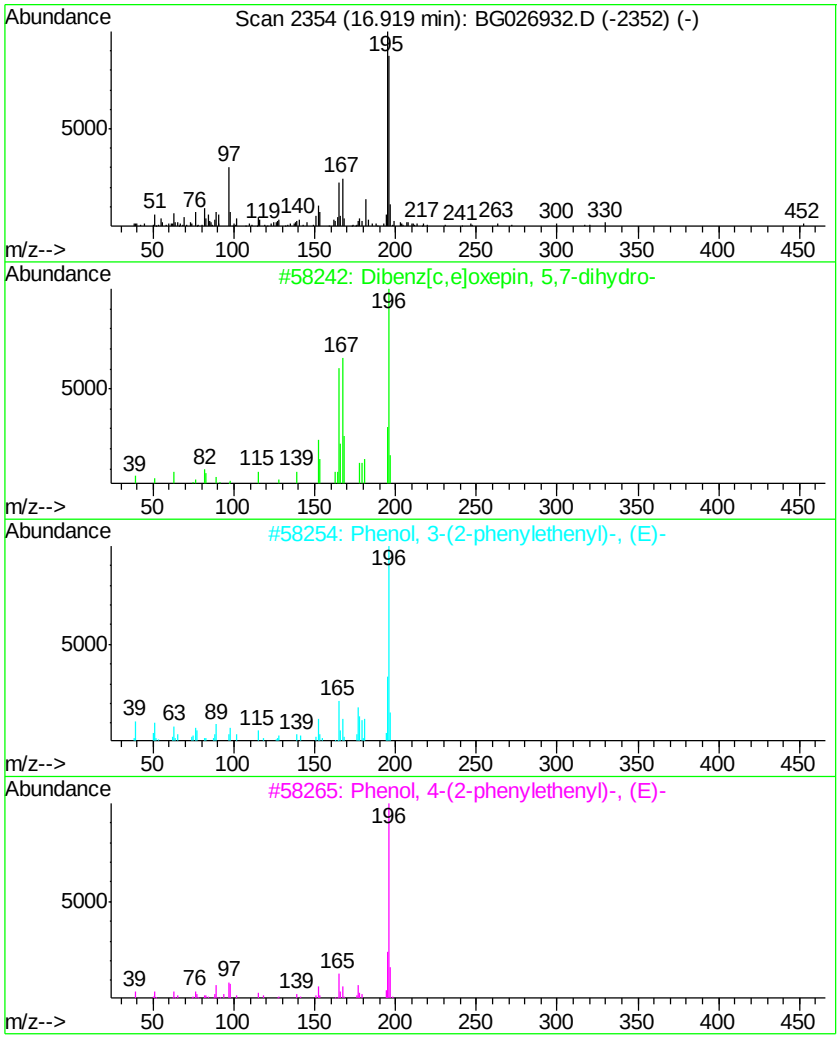
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

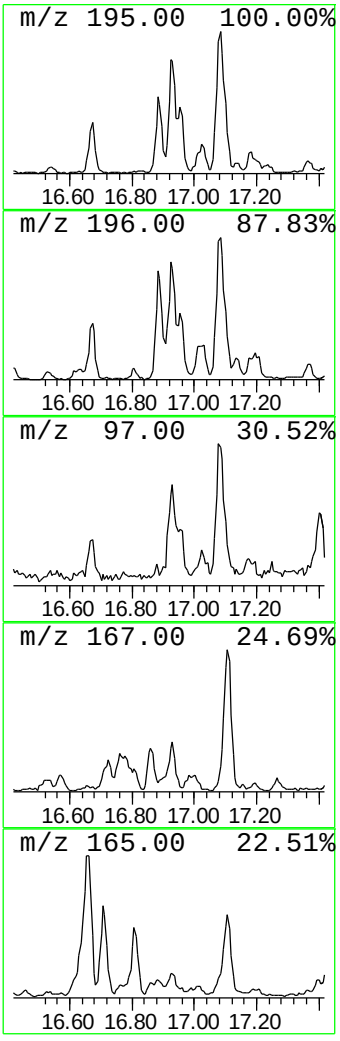
****

Peak Number 5 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	3.56 ng/ul	395280	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	60
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

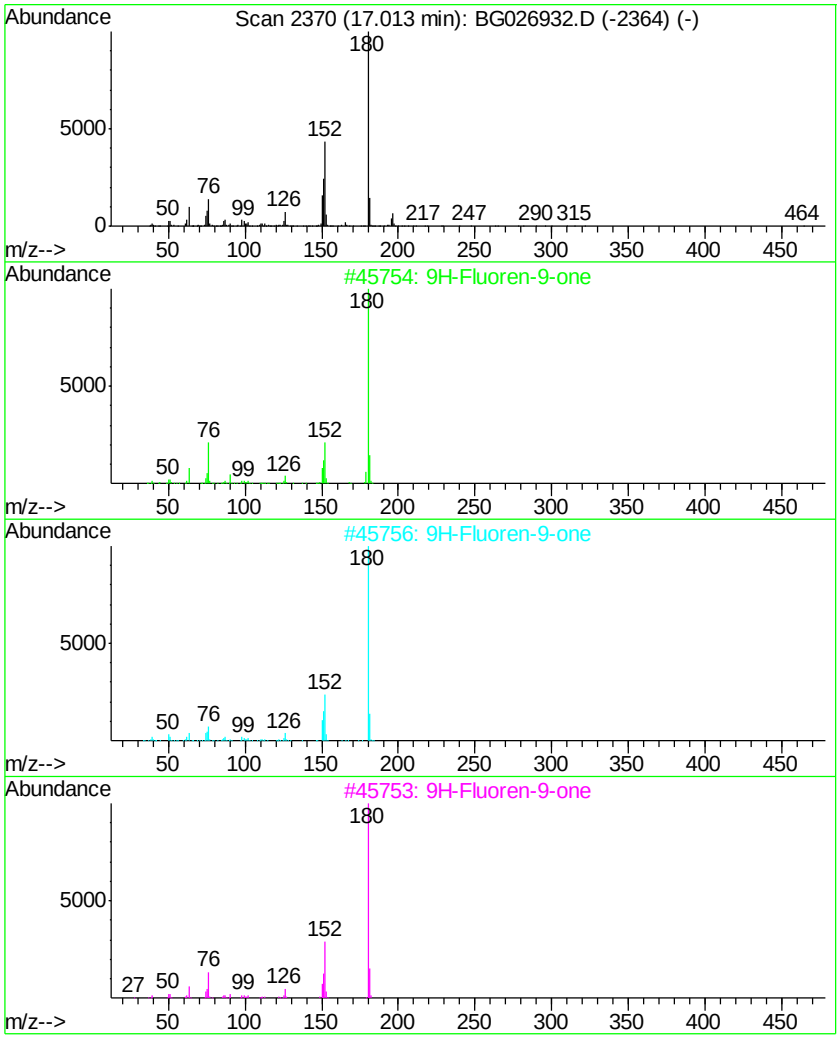
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

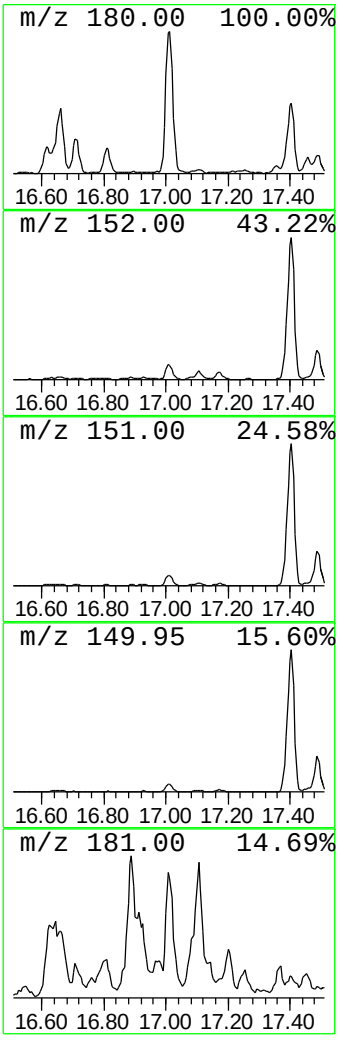
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	5.69 ng/ul	632318	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

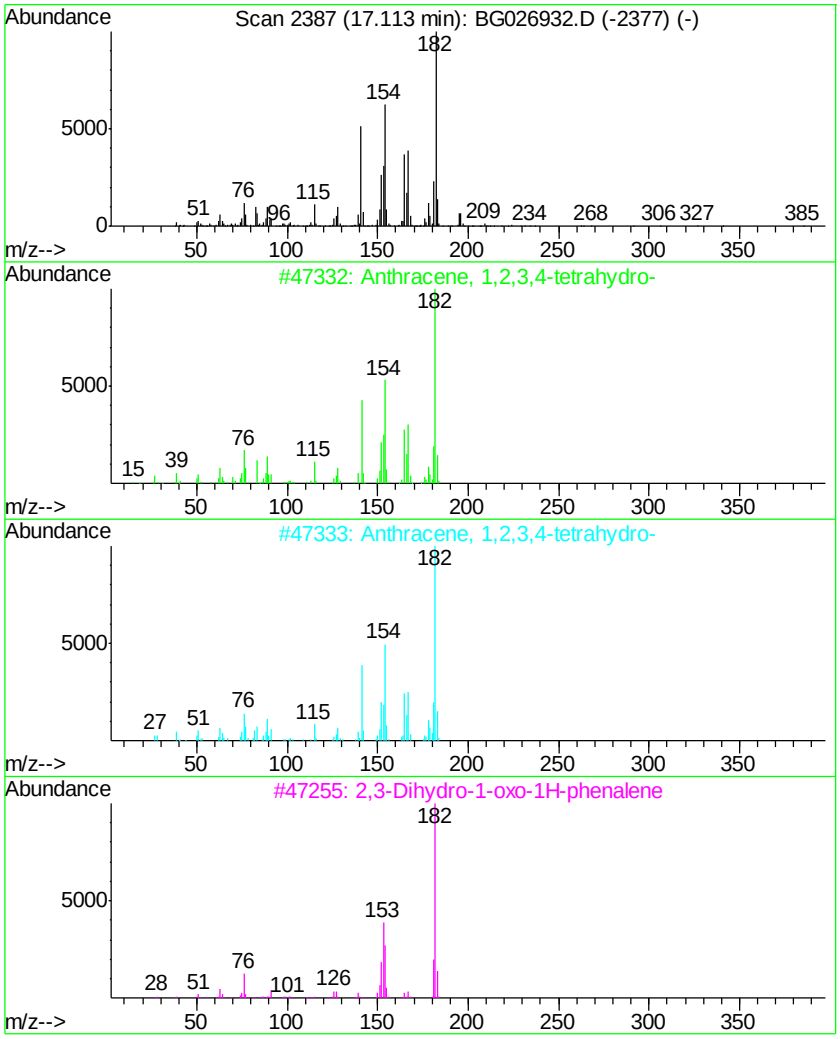
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

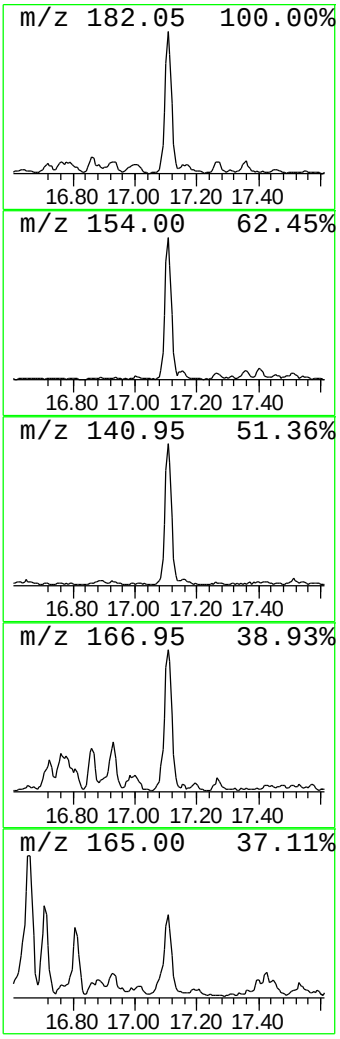
****

Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	11.65 ng/ul	1295550	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	87
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	62





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

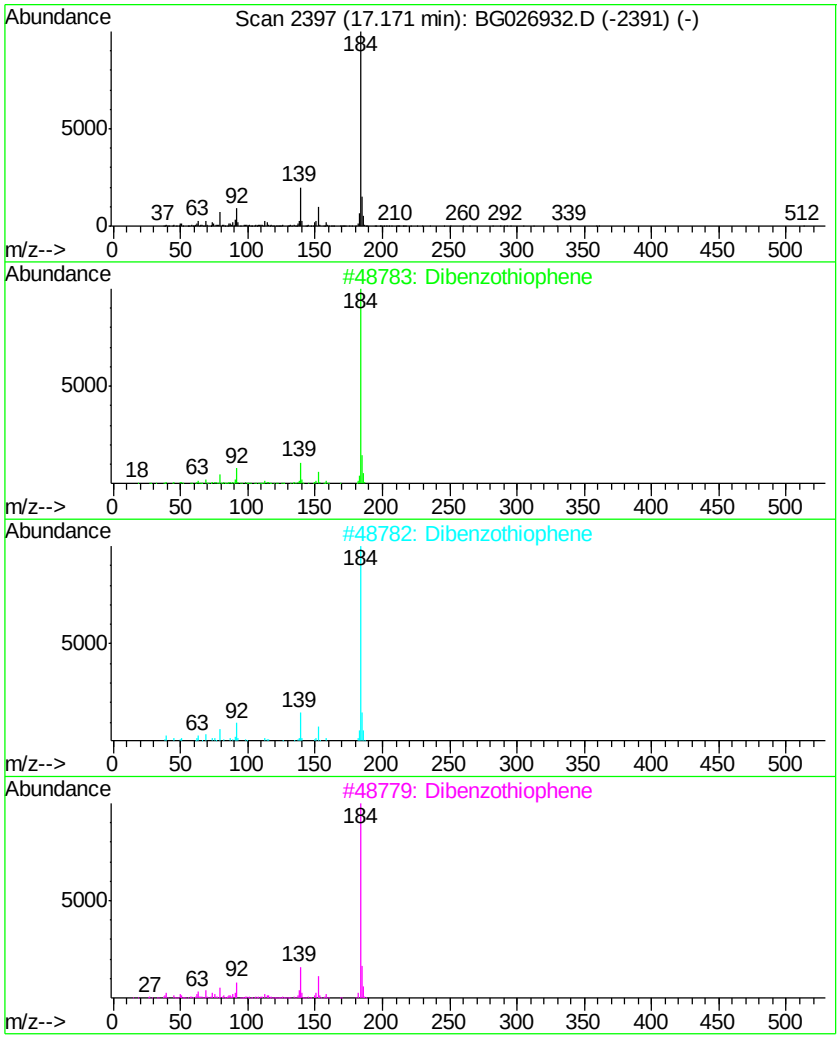
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

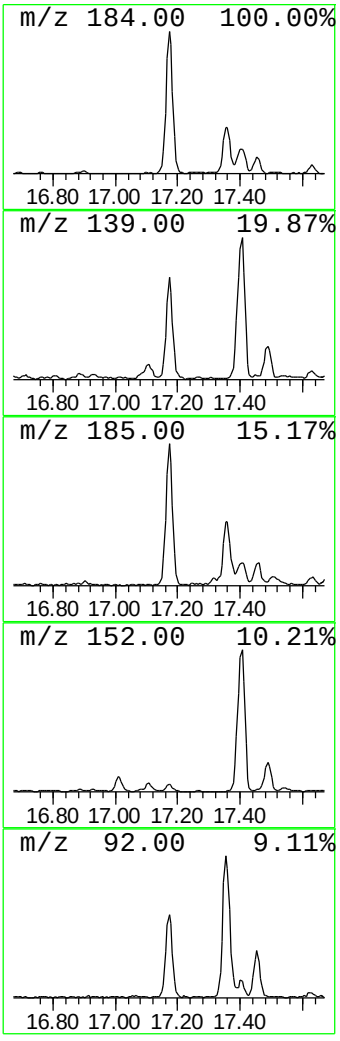
****

Peak Number 8 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	9.13 ng/ul	1014960	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
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	94
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

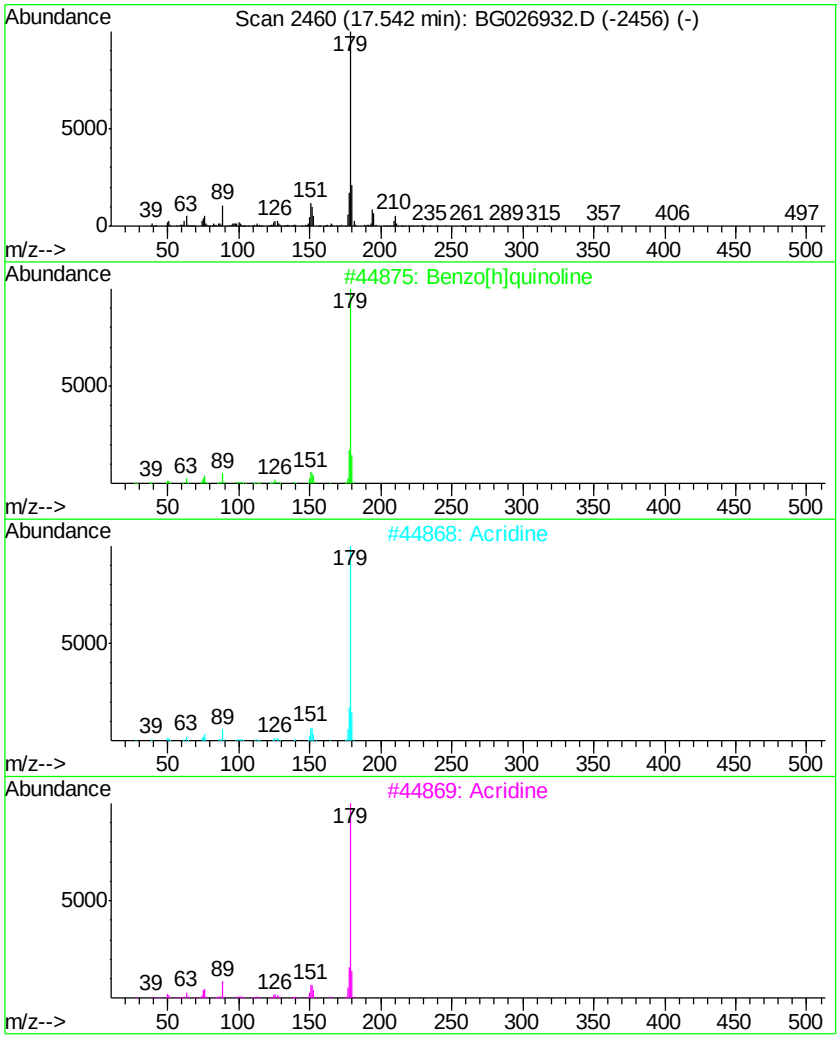
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

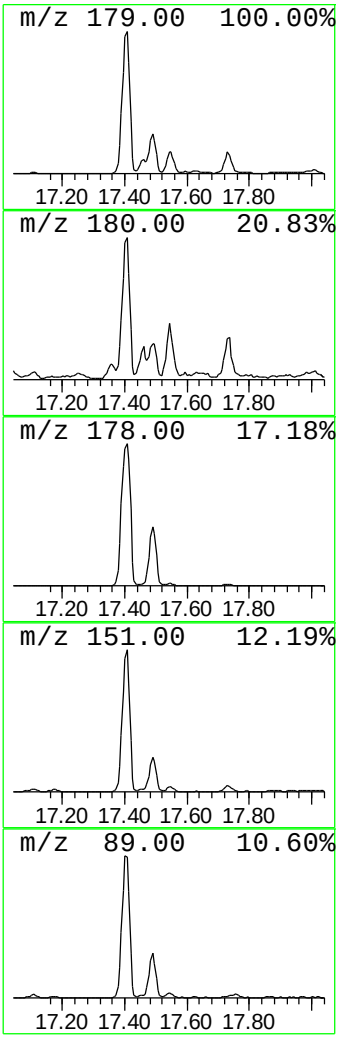
****

Peak Number 9 Benzo[h]quinoline Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	4.69 ng/ul	521881	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	95
2	Acridine	179	C13H9N	000260-94-6	94
3	Acridine	179	C13H9N	000260-94-6	93
4	Phenanthridine	179	C13H9N	000229-87-8	91
5	Phenanthridine	179	C13H9N	000229-87-8	89





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

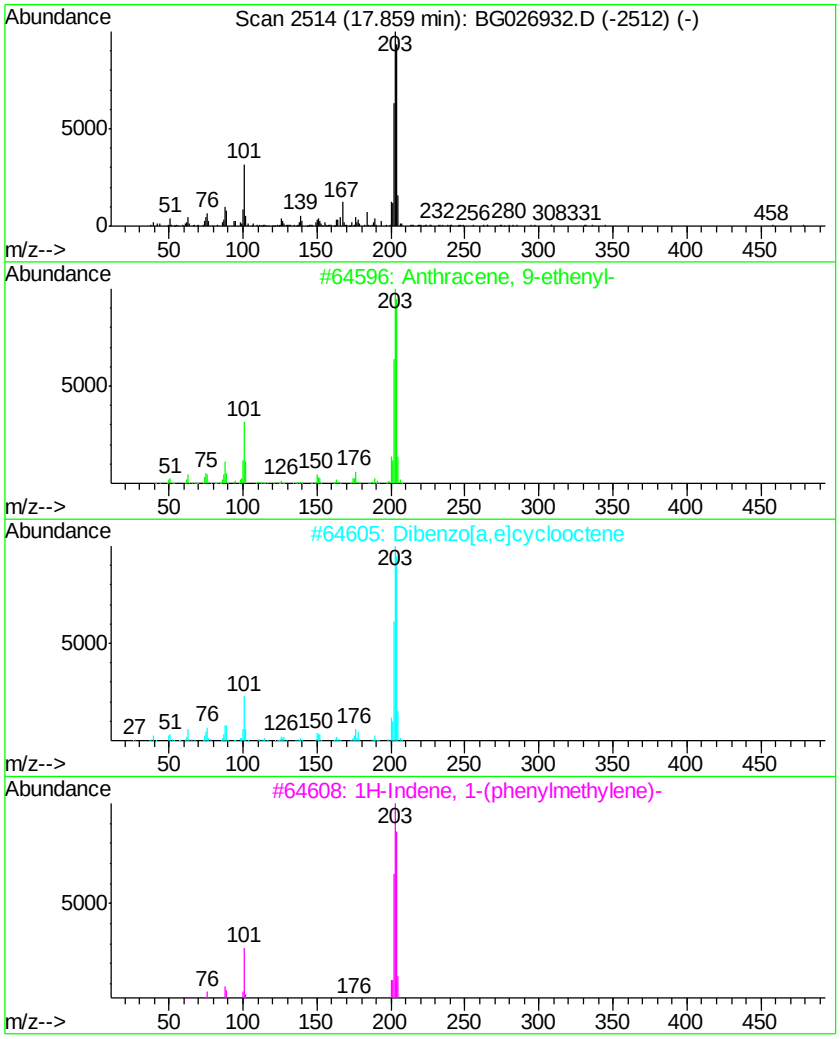
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

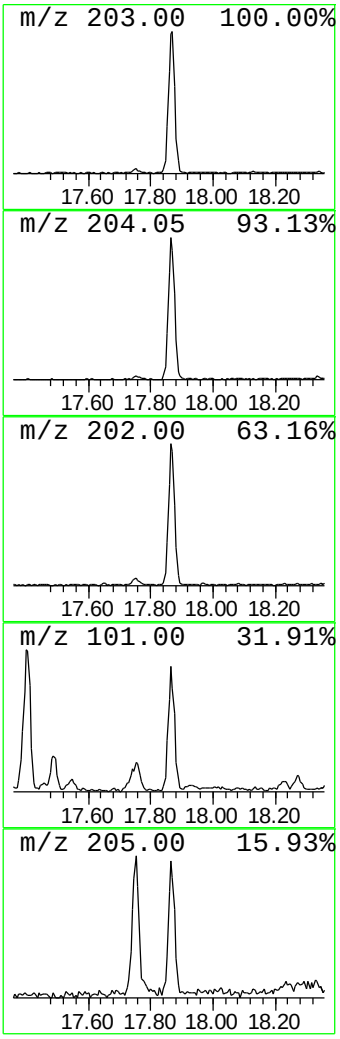
****

Peak Number 10 Anthracene, 9-ethenyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.58 ng/ul	397770	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	98
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	94
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	89





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

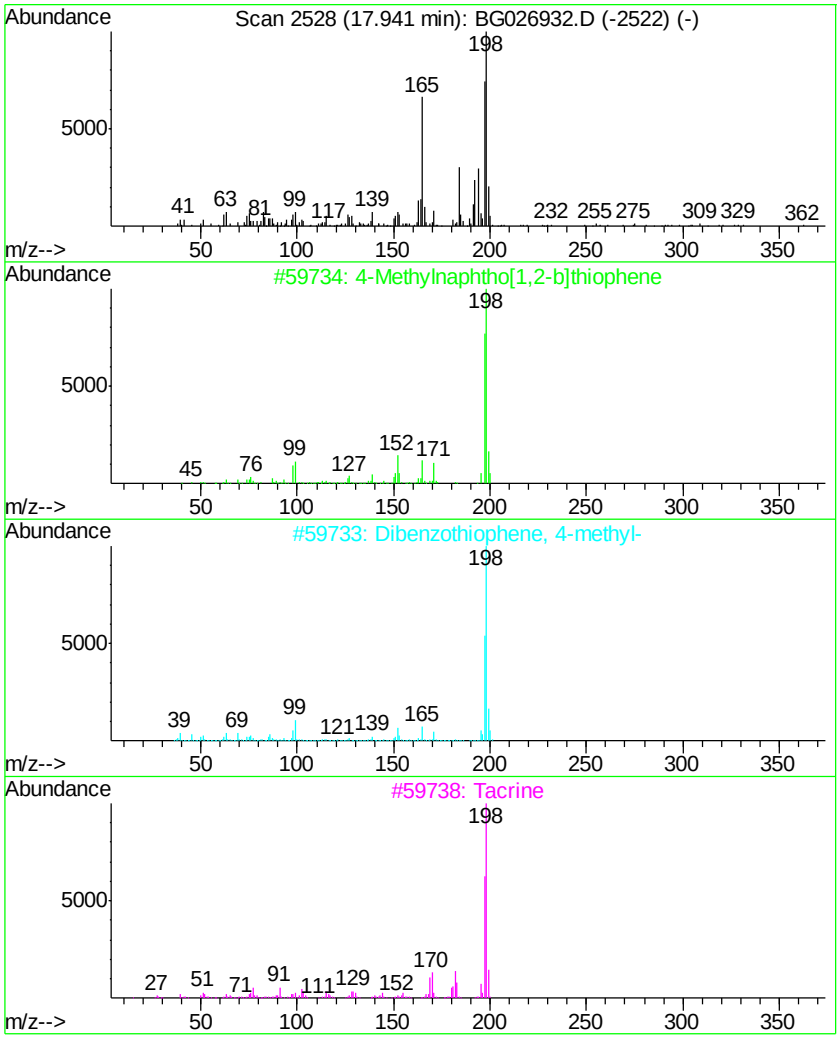
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

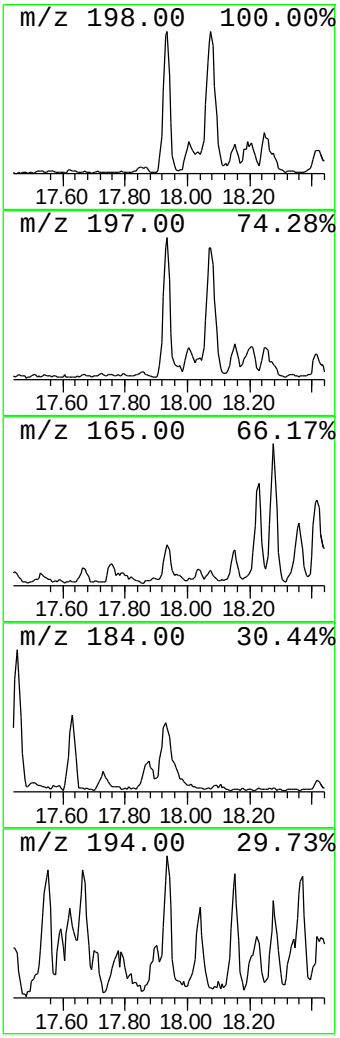
****

Peak Number 11 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.53 ng/ul	392415	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	78
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	Tacrine	198	C13H14N2	000321-64-2	53
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

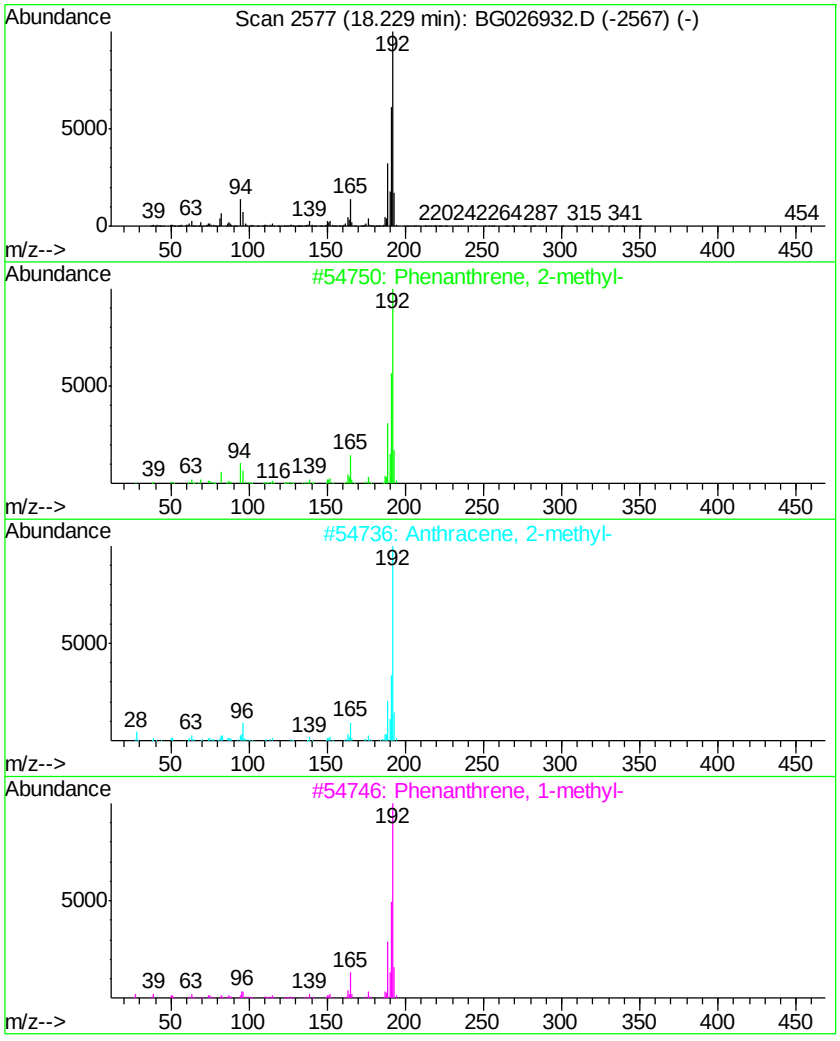
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

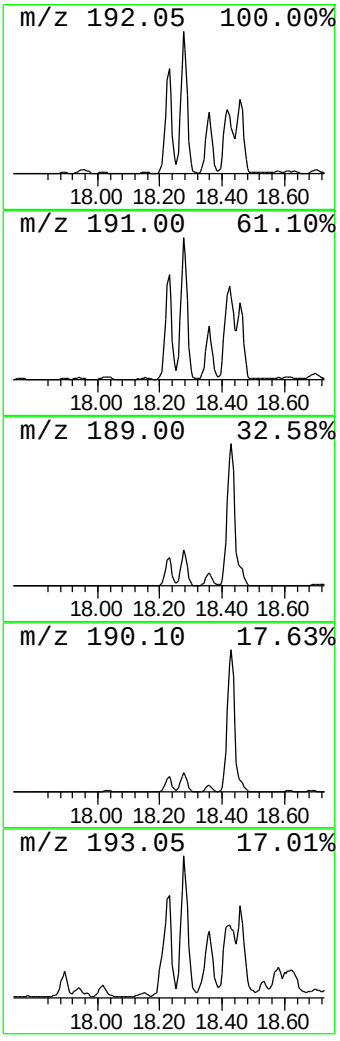
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	20.17 ng/ul	2242370	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
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_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

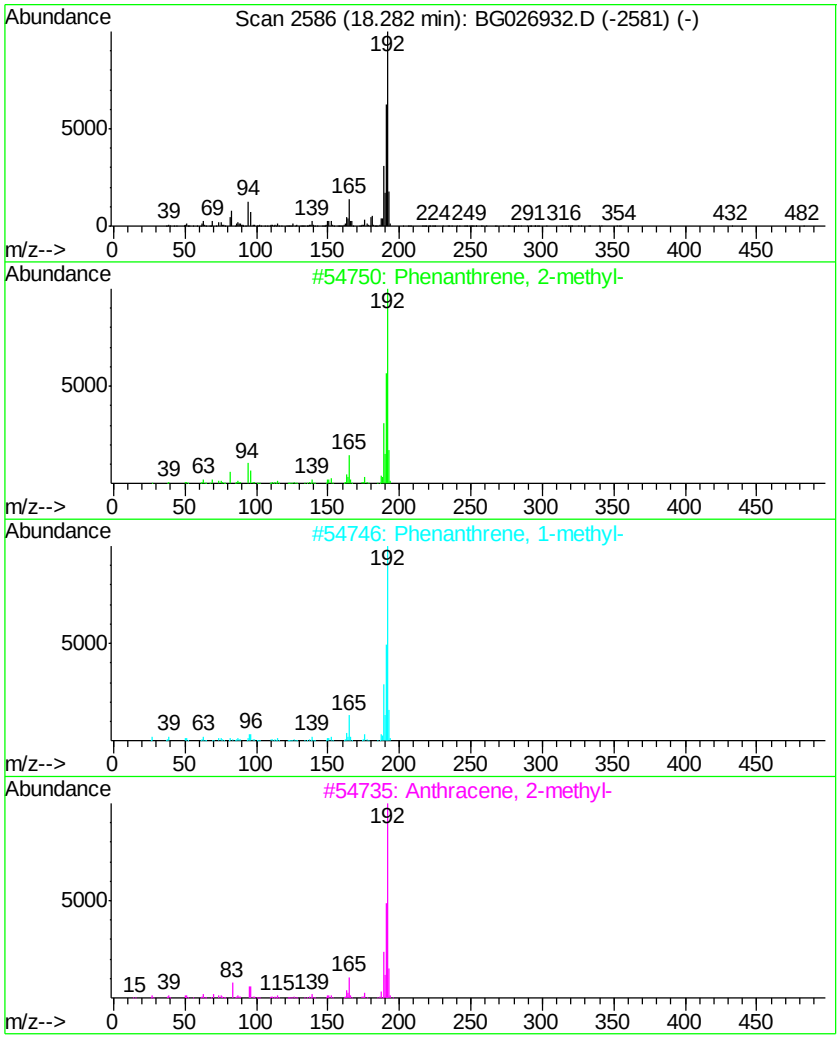
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

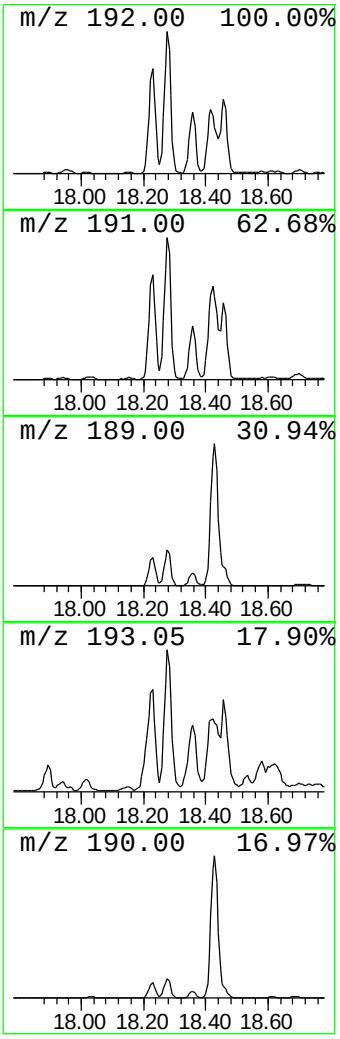
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	26.48 ng/ul	2943780	Phenanthrene-d10	17.35

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

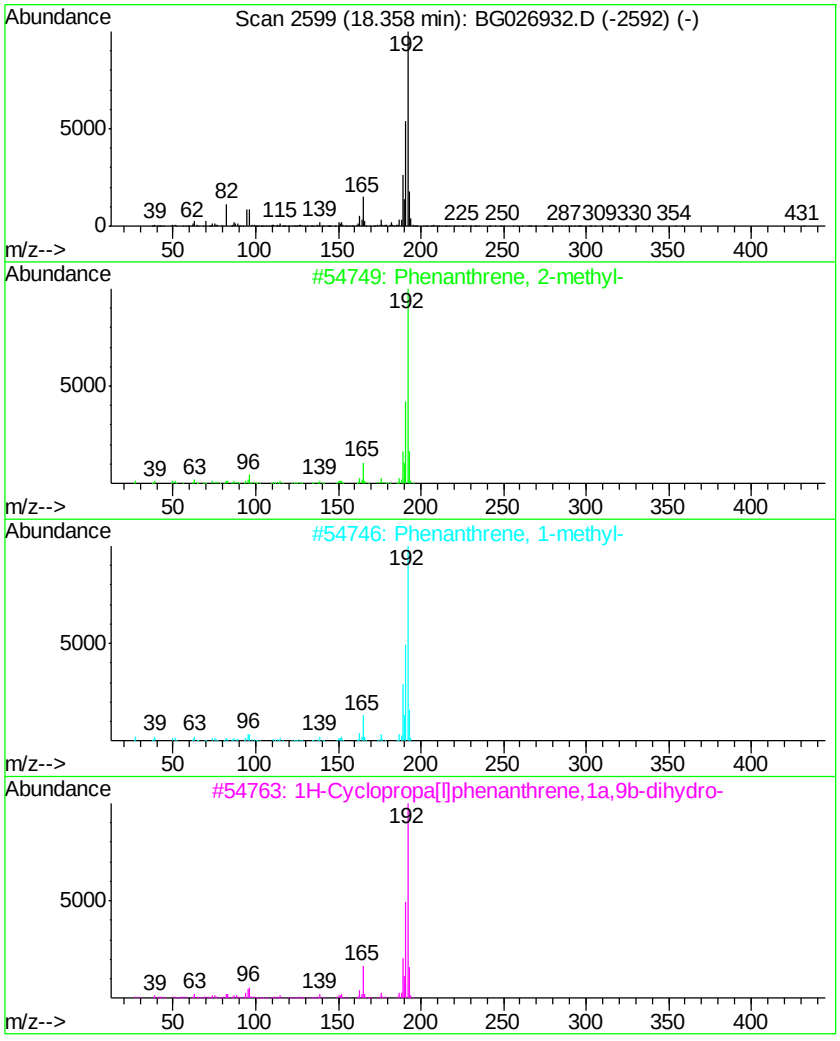
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

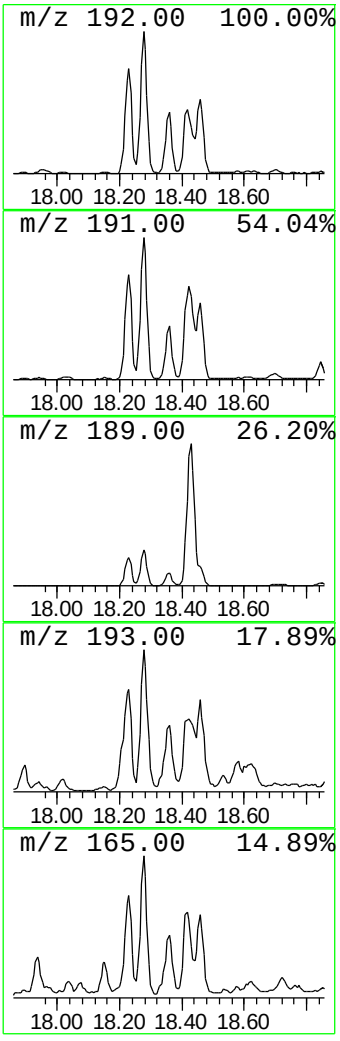
****

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	11.07 ng/ul	1231210	Phenanthrene-d10	17.35

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

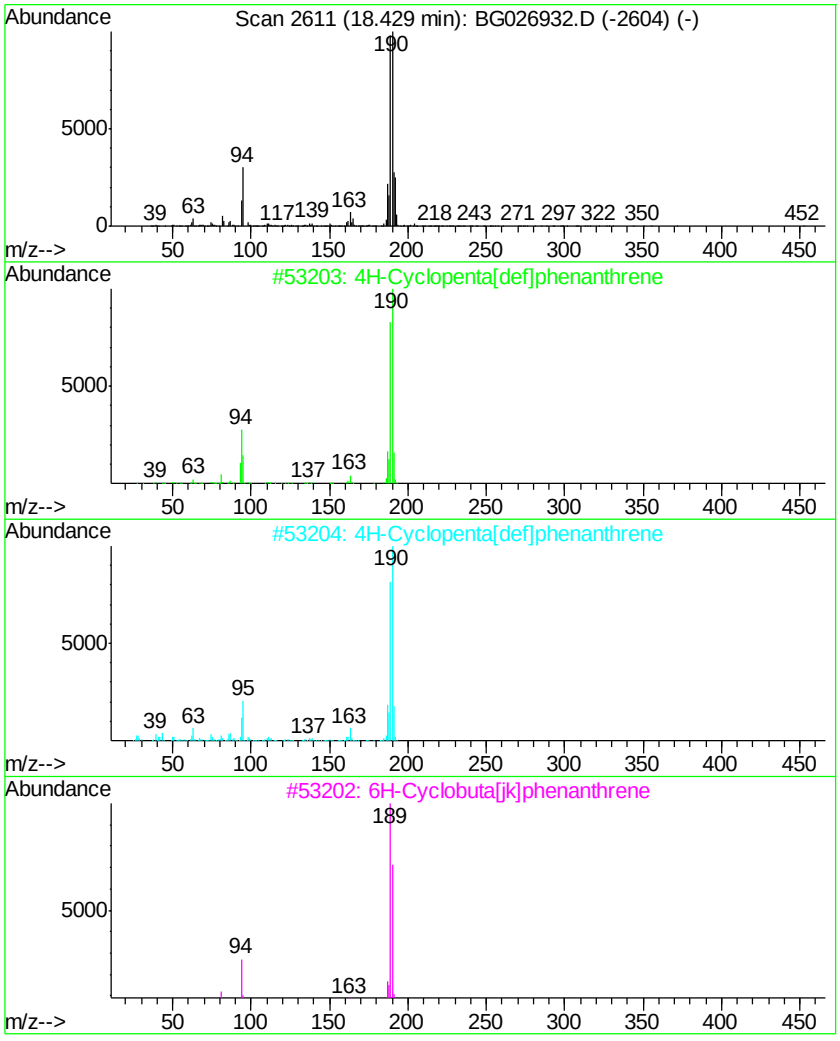
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

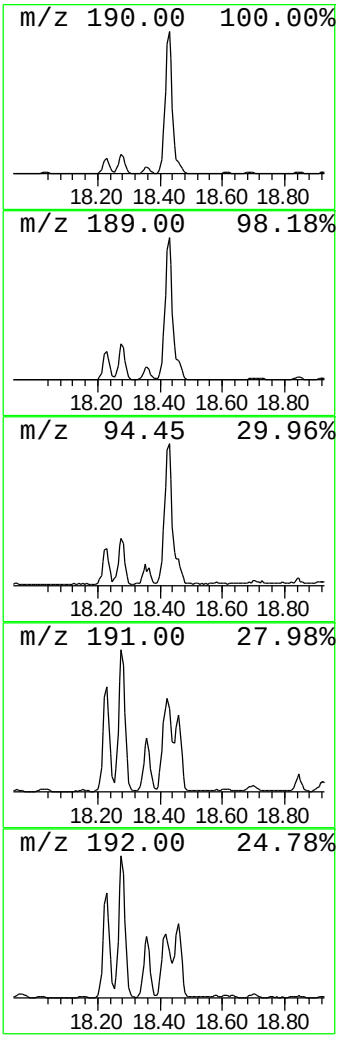
****

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	57.53 ng/ul	6395400	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

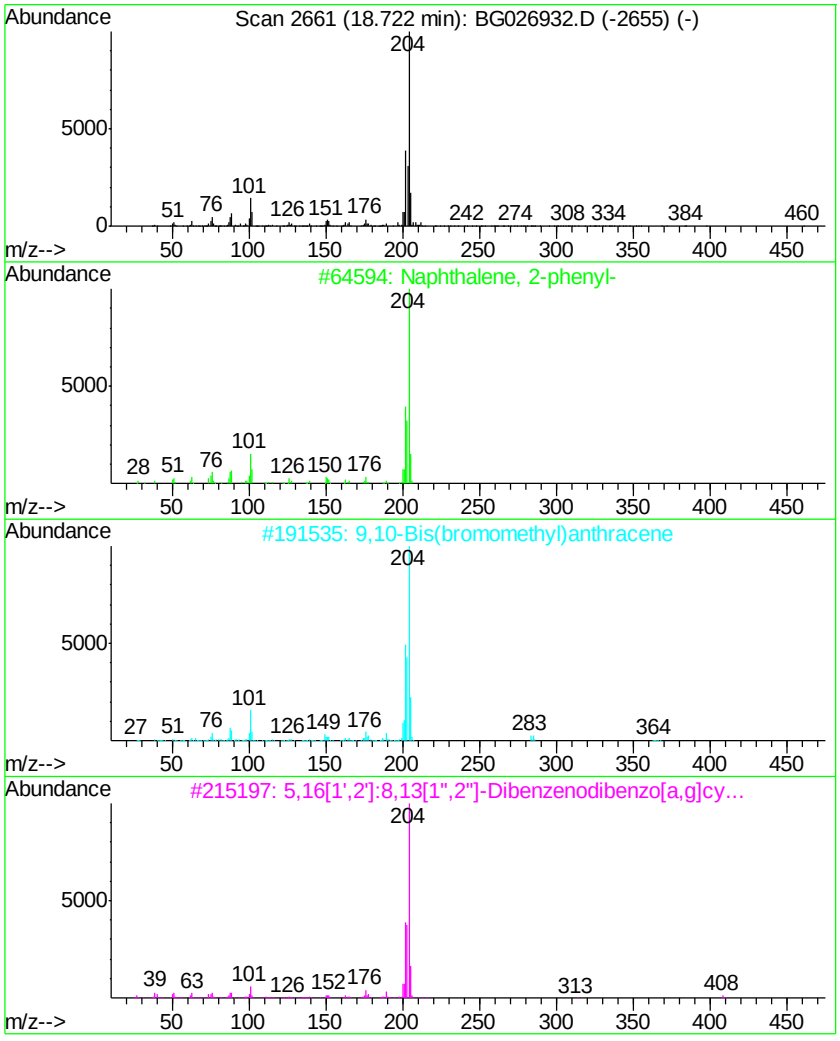
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

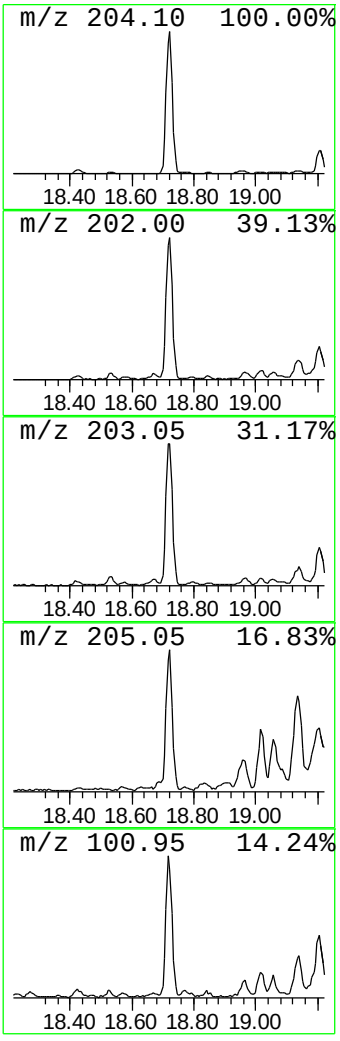
****

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	14.92 ng/ul	1658130	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

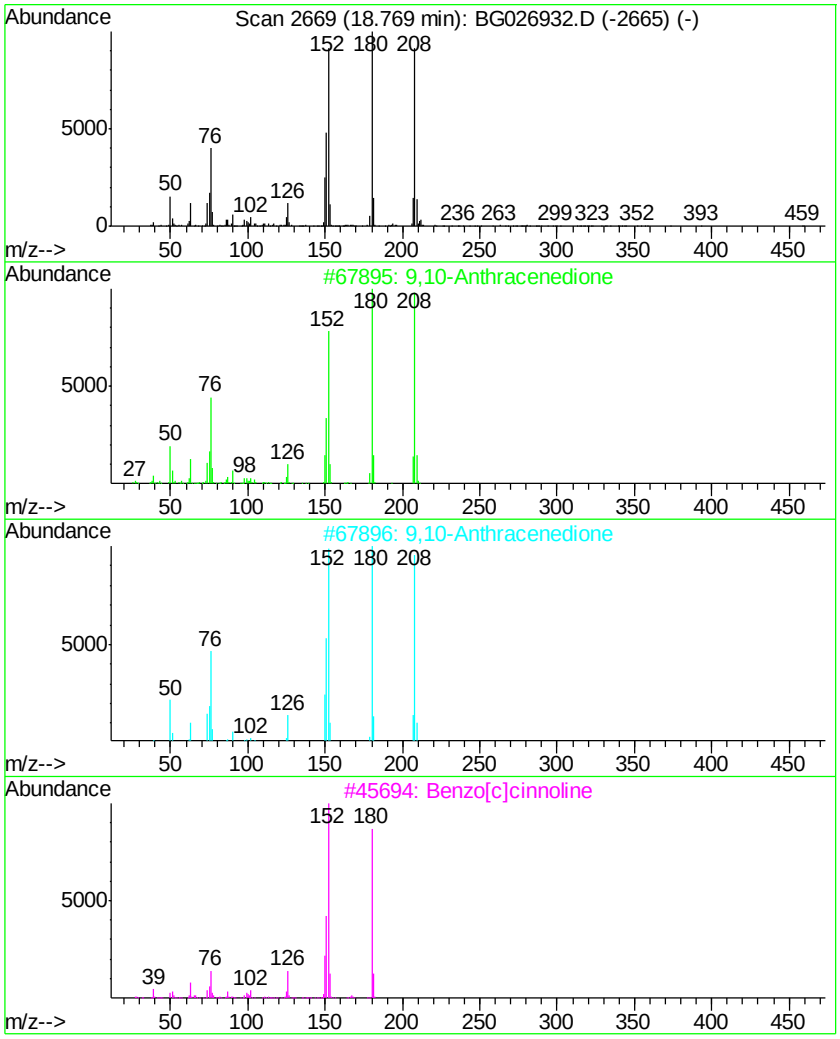
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

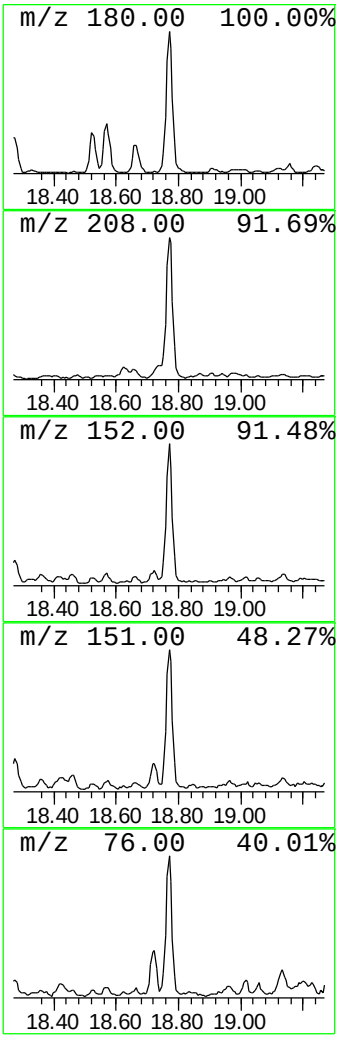
****

Peak Number 17 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	11.02 ng/ul	1225510	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

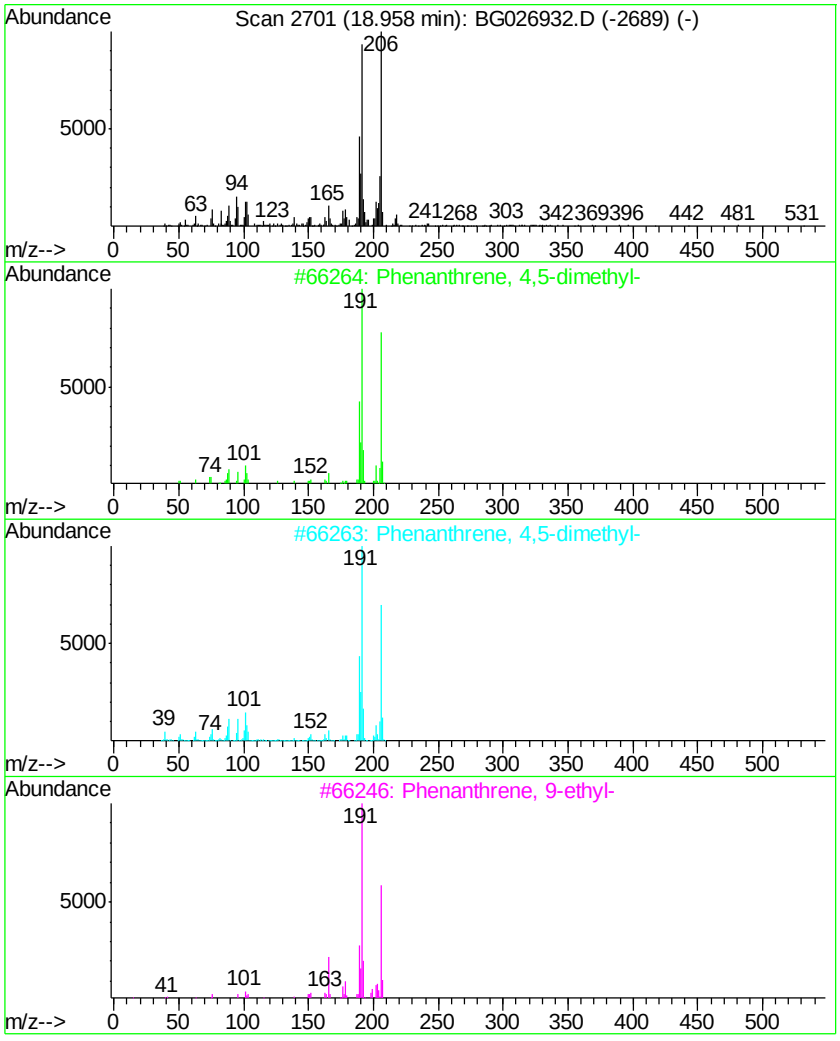
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

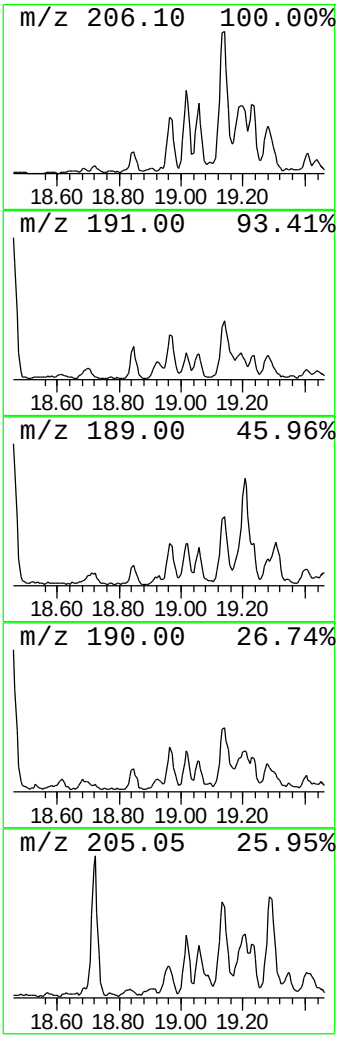
****

Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	6.67 ng/ul	741180	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	92





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

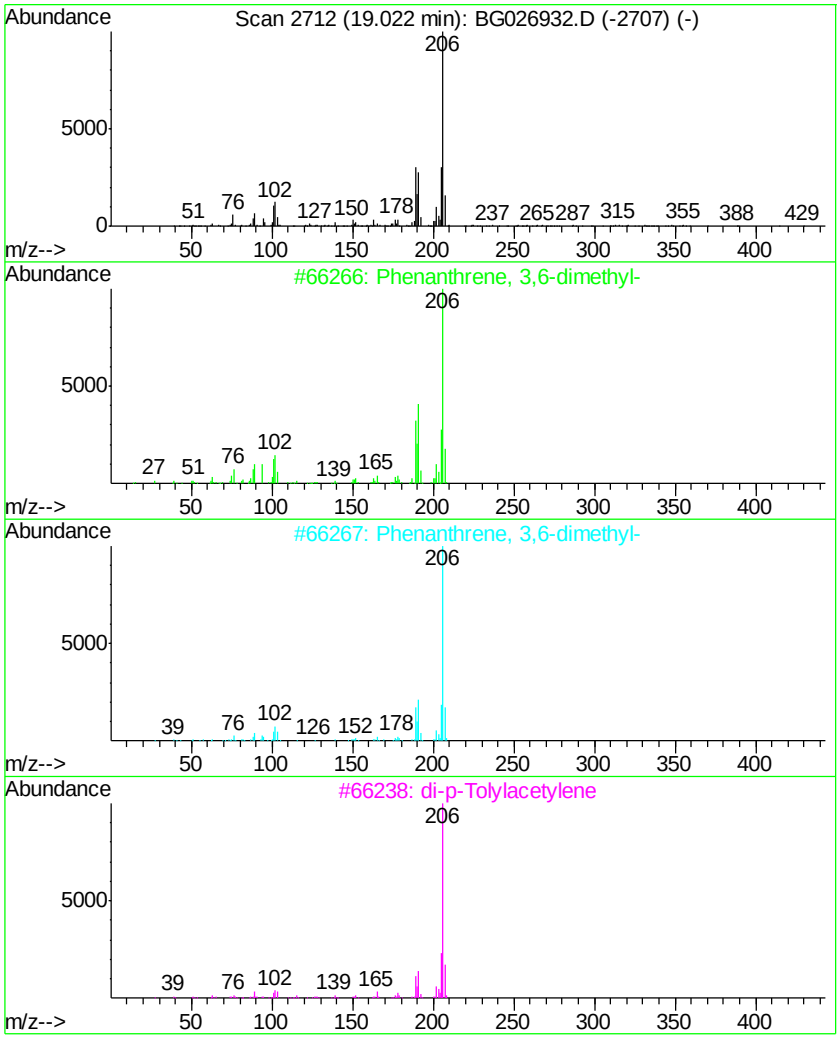
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

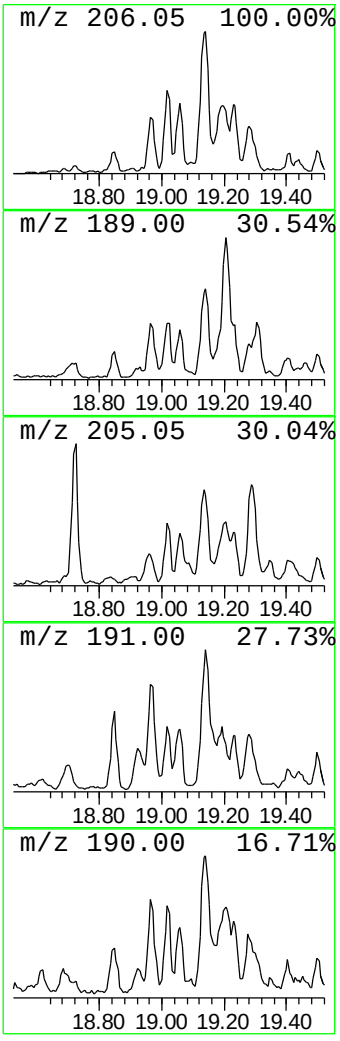
****

Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.91 ng/ul	434606	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

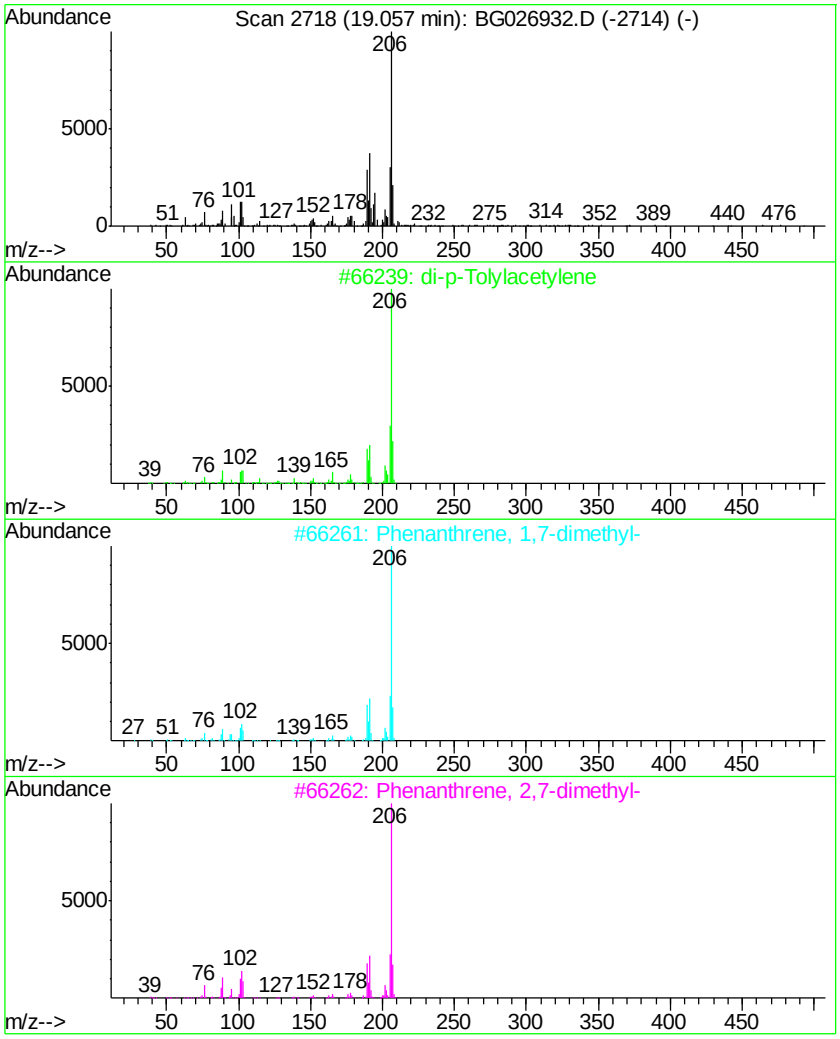
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

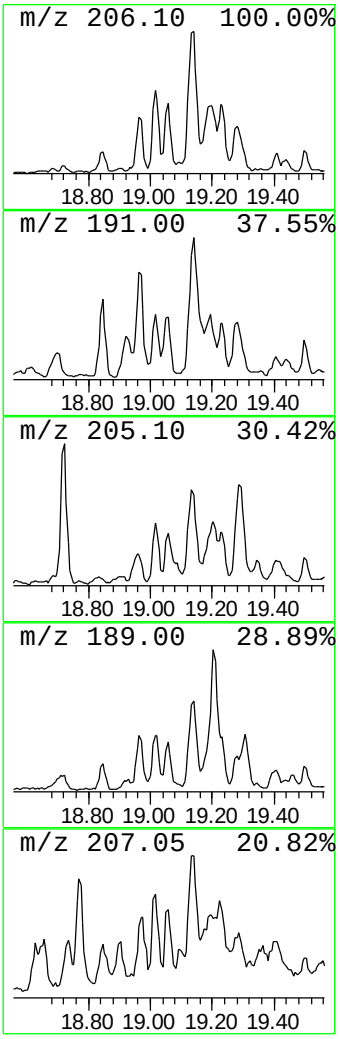
****

Peak Number 20 di-p-Tolylacetylene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	3.25 ng/ul	361741	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

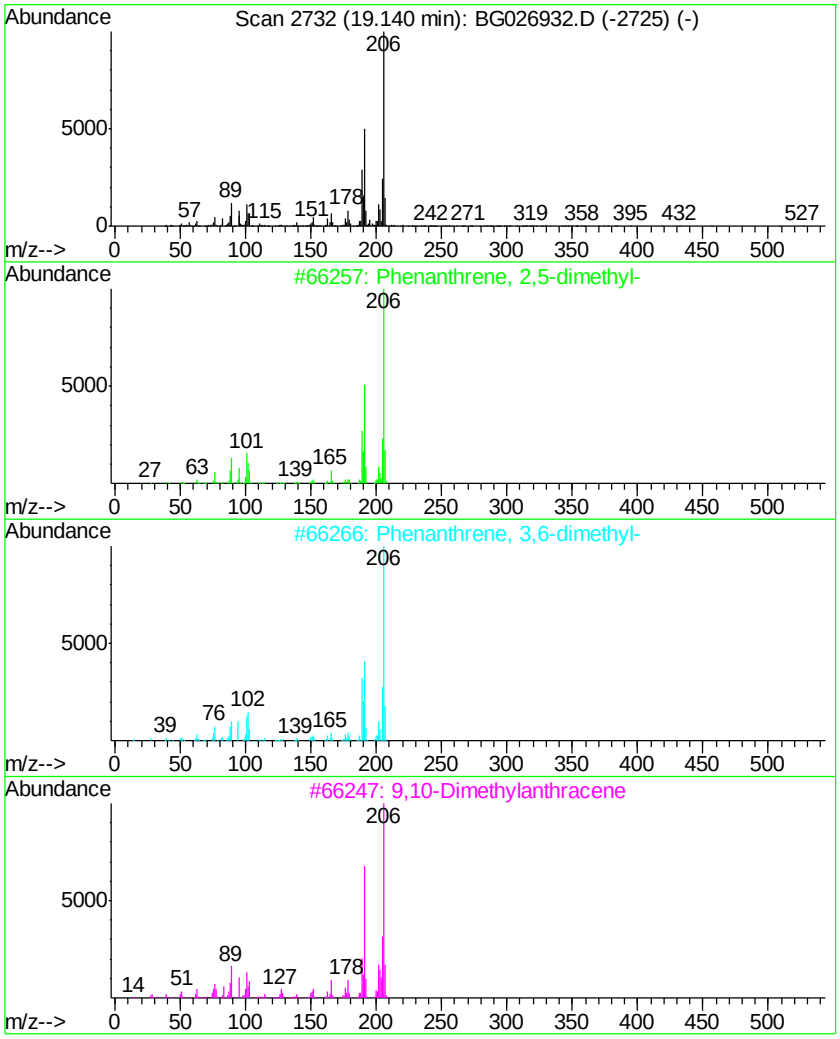
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

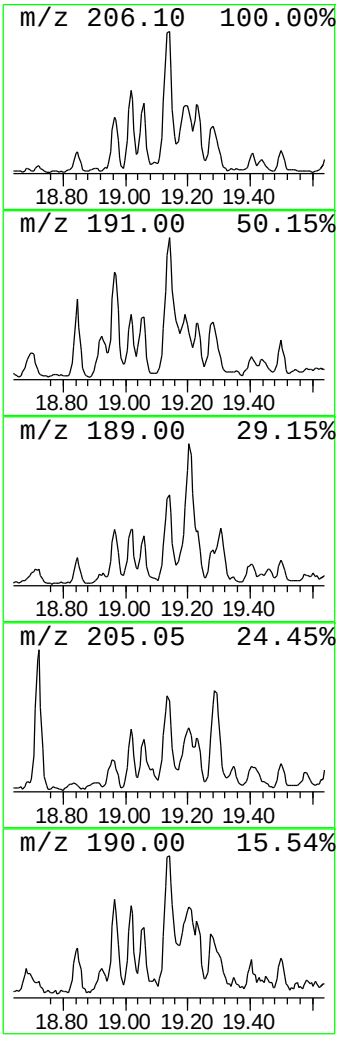
****

Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	10.35 ng/ul	1150640	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

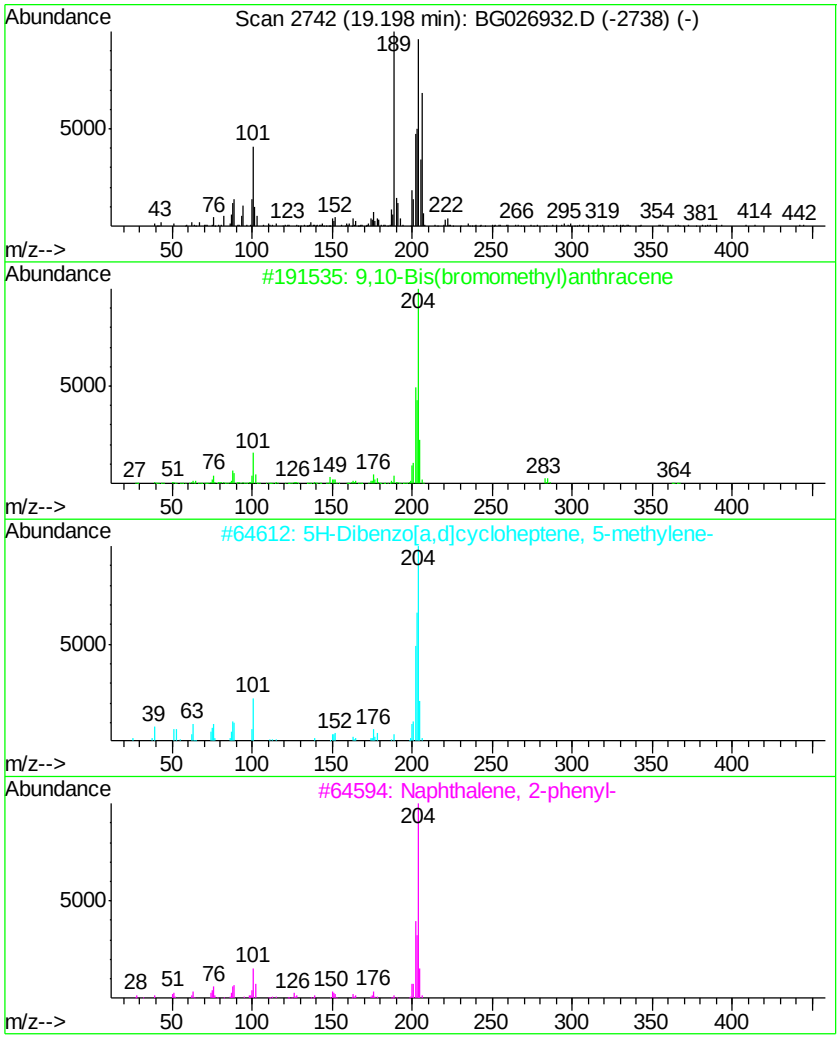
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

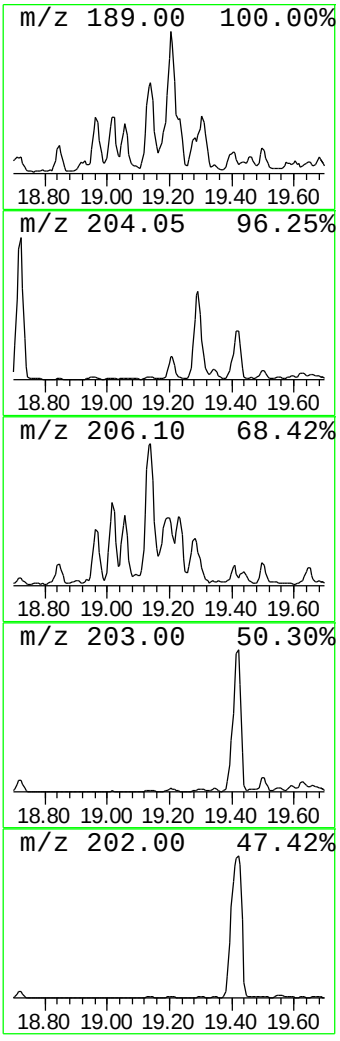
****

Peak Number 22 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	9.48 ng/ul	1053460	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
4	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

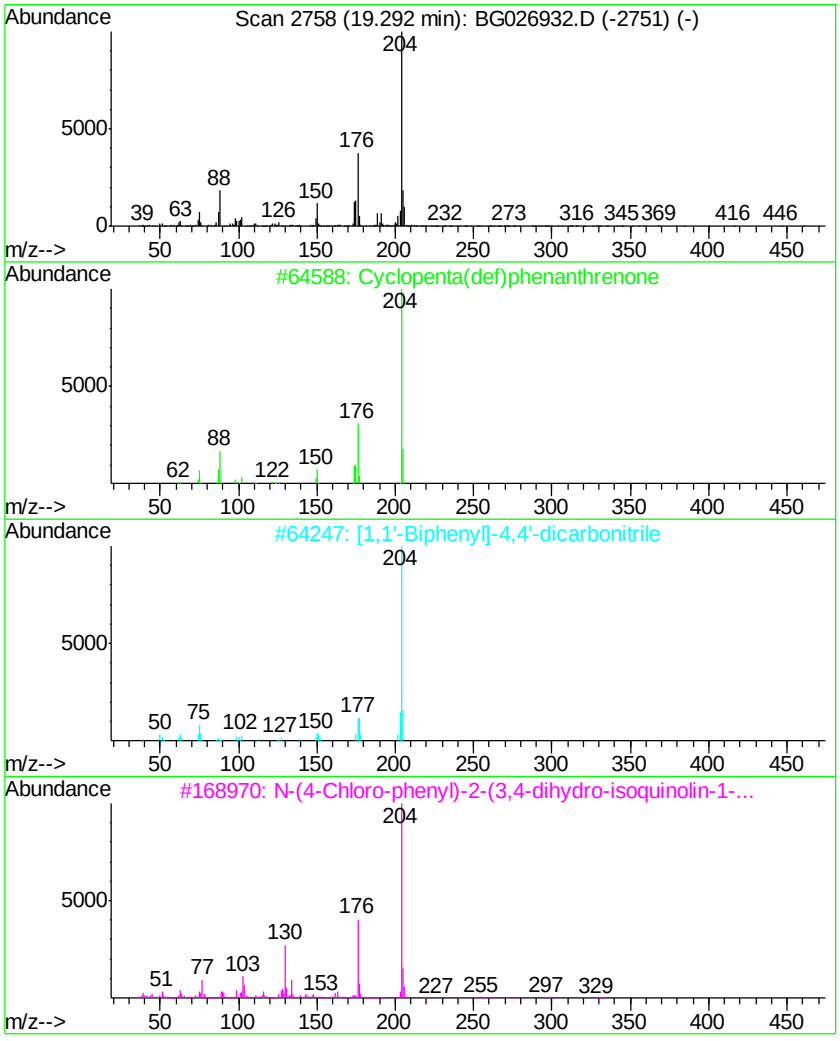
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

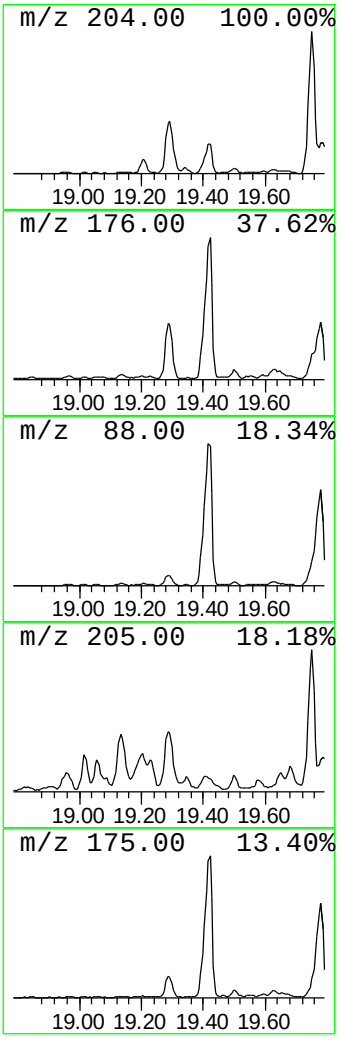
****

Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	13.31 ng/ul	1480140	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

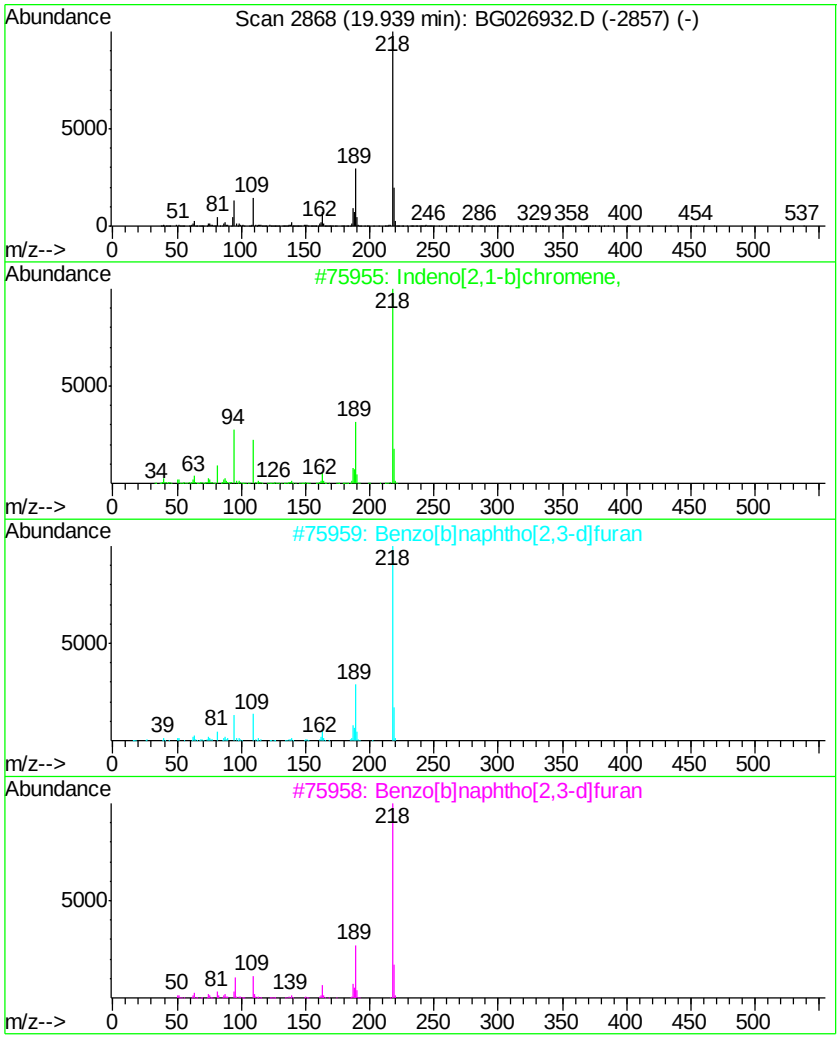
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

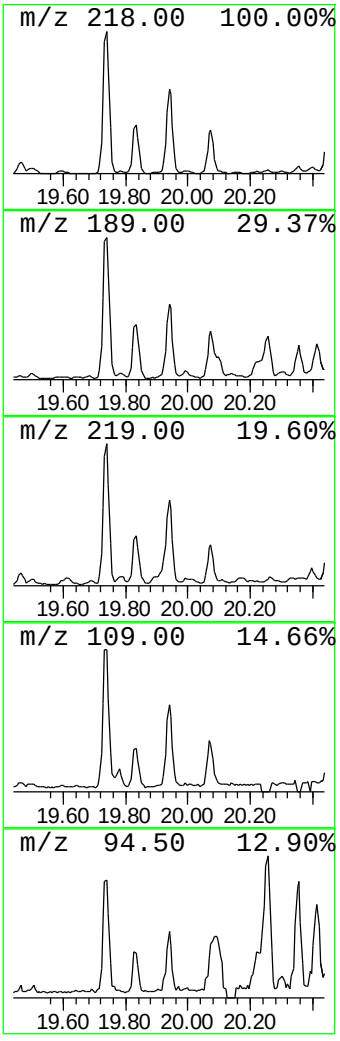
****

Peak Number 24 Indeno[2,1-b]chromene, Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.05 ng/ul	2214200	Chrysene-d12	21.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	97
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	97
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

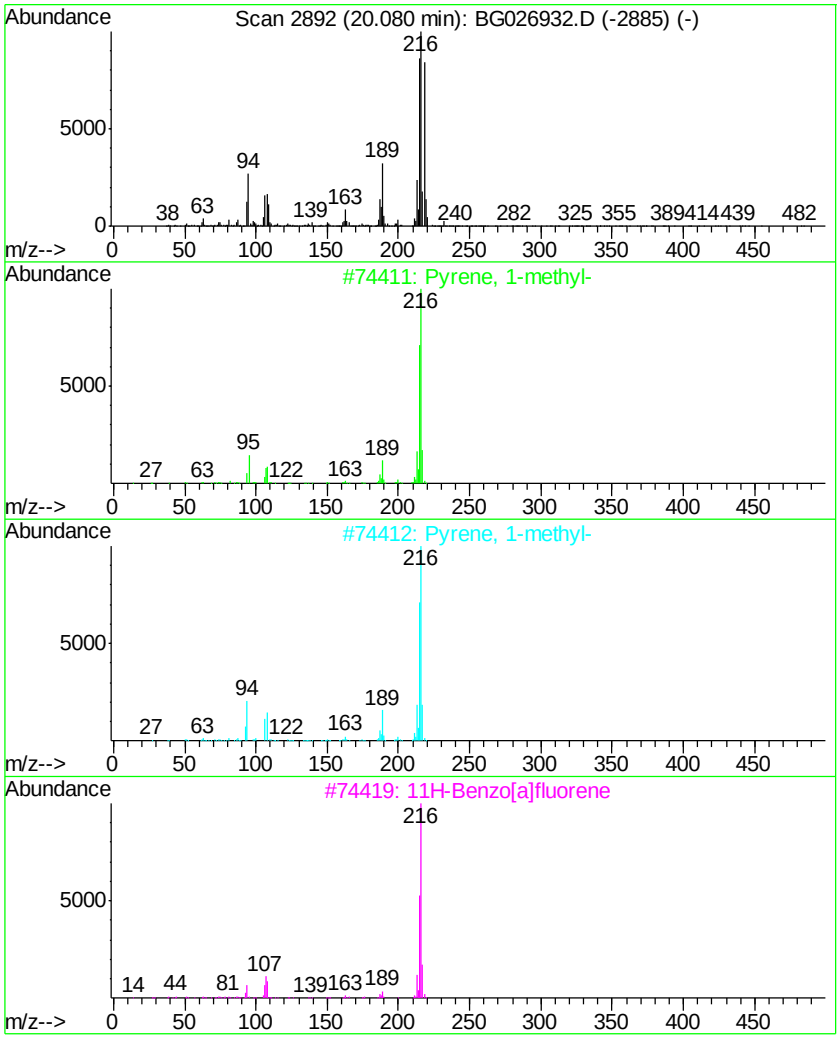
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

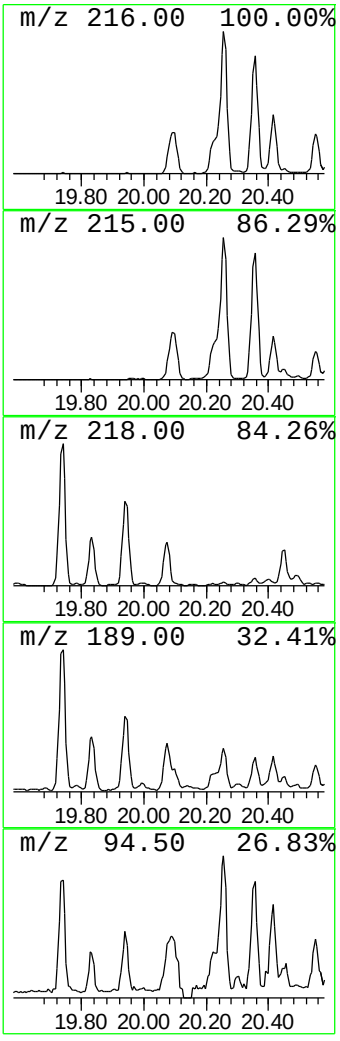
****

Peak Number 25 Pyrene, 1-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	3.18 ng/ul	3423350	Chrysene-d12	21.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	55





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

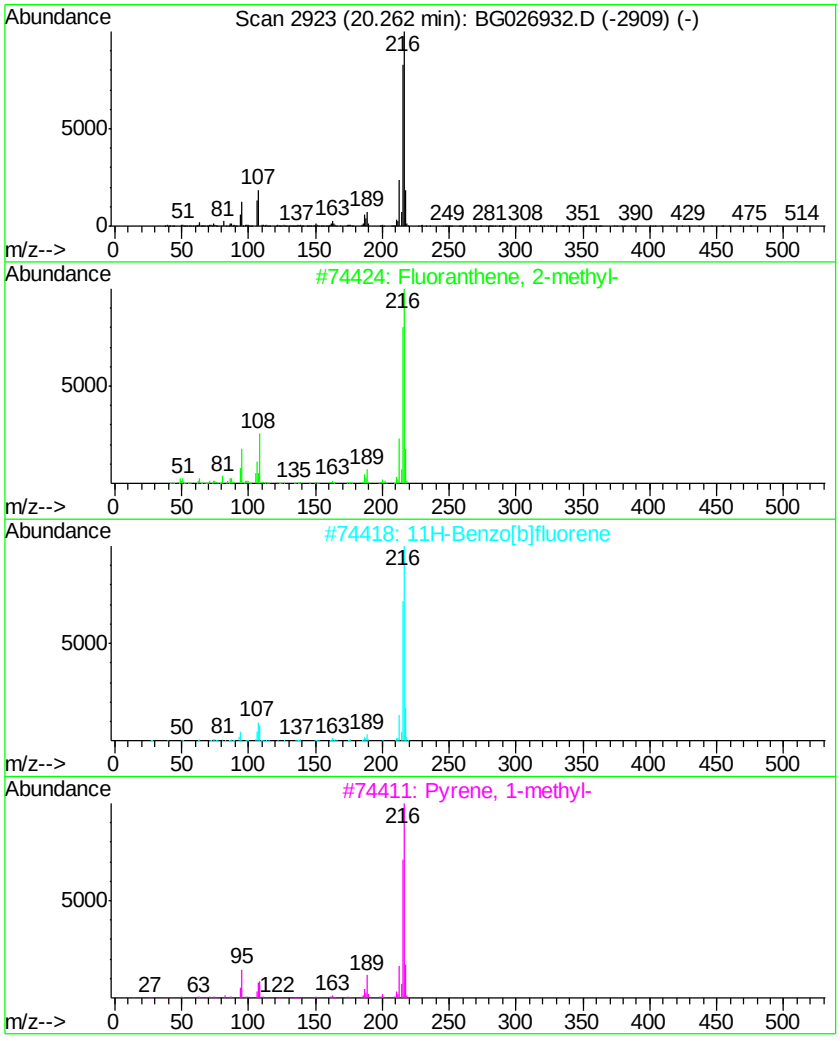
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

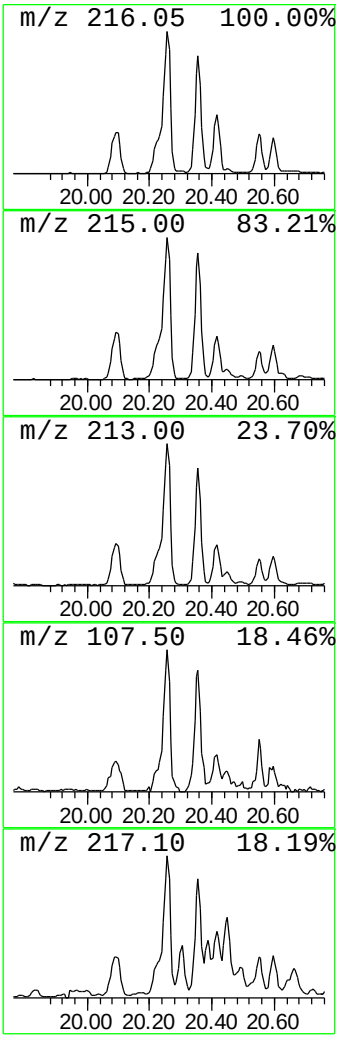
****

Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	6.82 ng/ul	7348210	Chrysene-d12	21.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

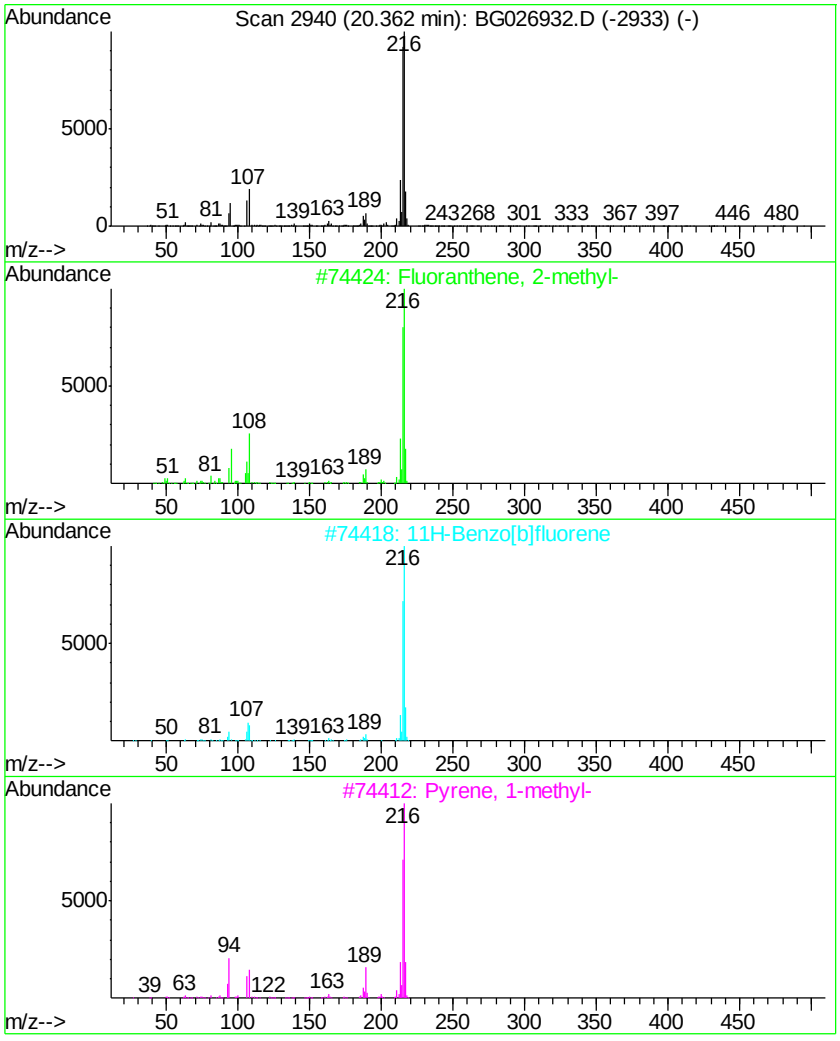
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

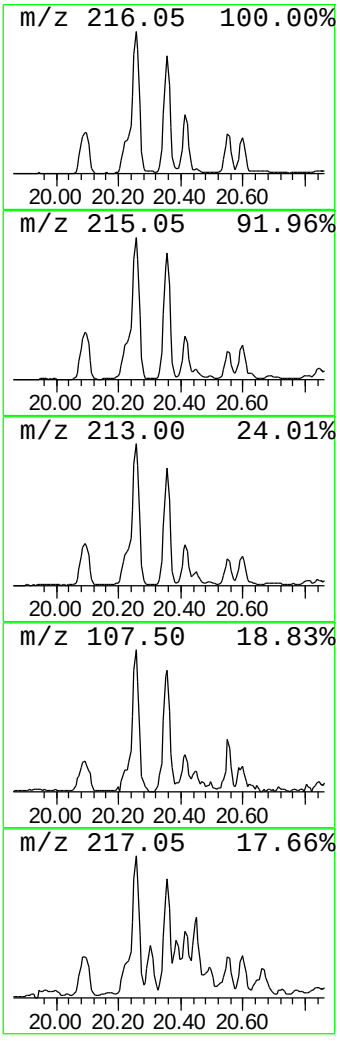
****

Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	4.26 ng/ul	4597820	Chrysene-d12	21.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

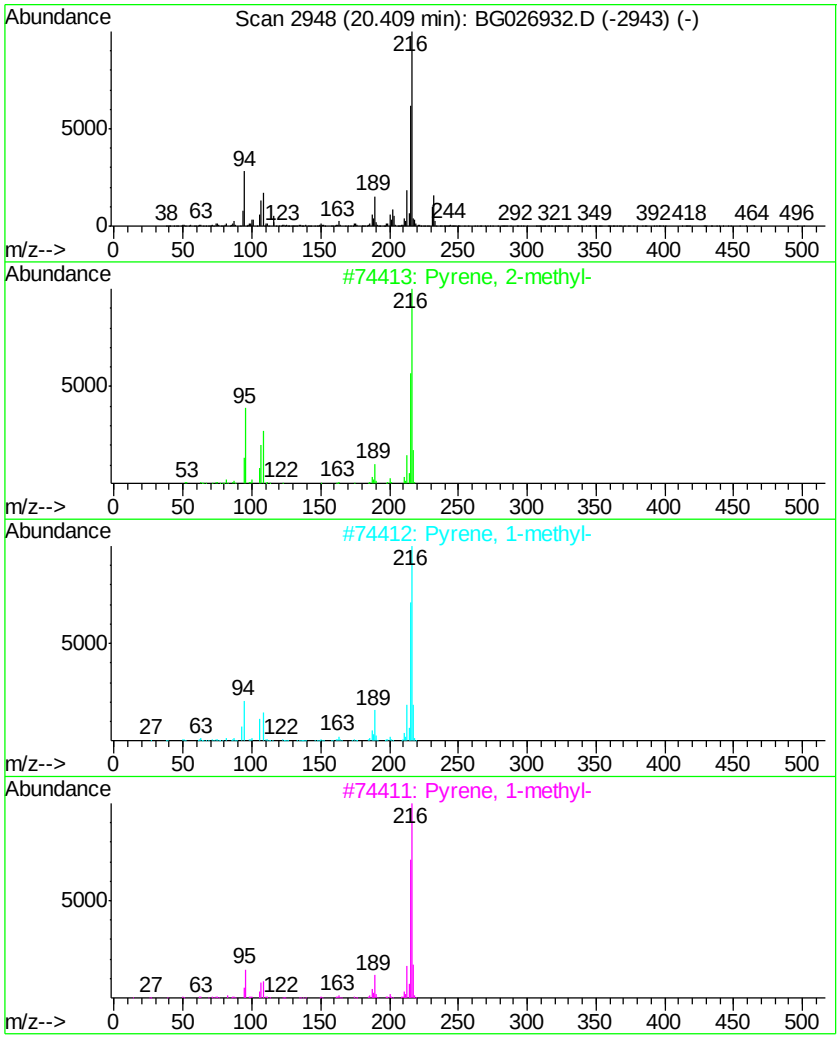
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

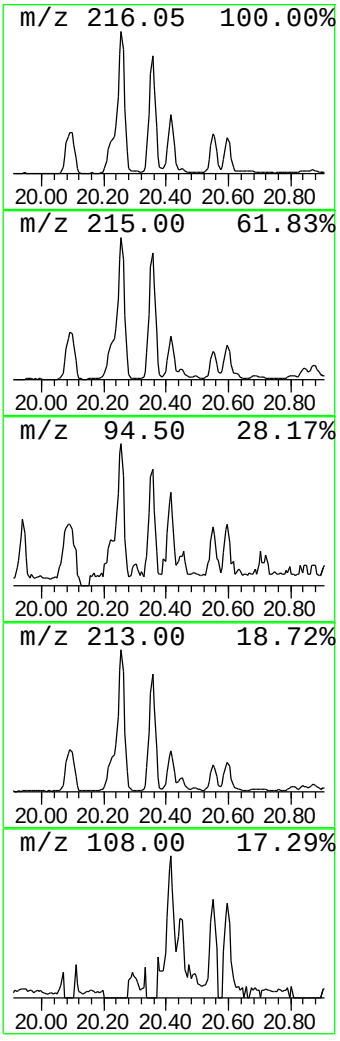
****

Peak Number 28 Pyrene, 2-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.41	2.67 ng/ul	2883450	Chrysene-d12	21.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

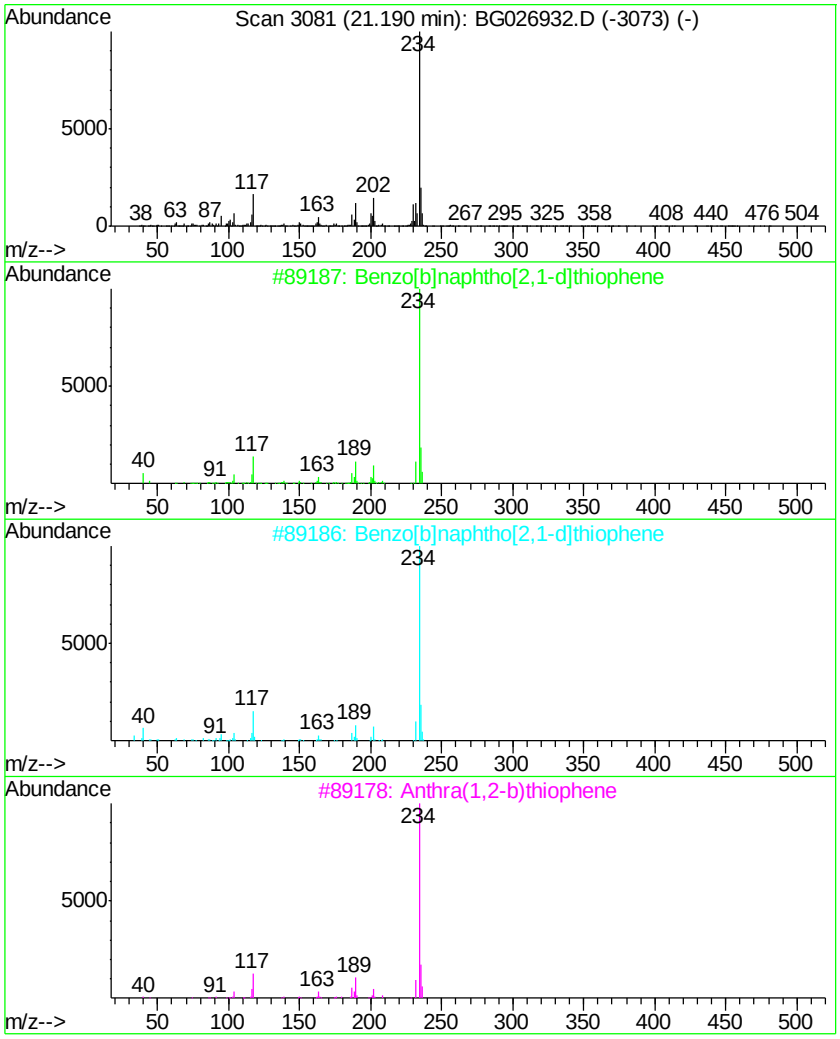
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

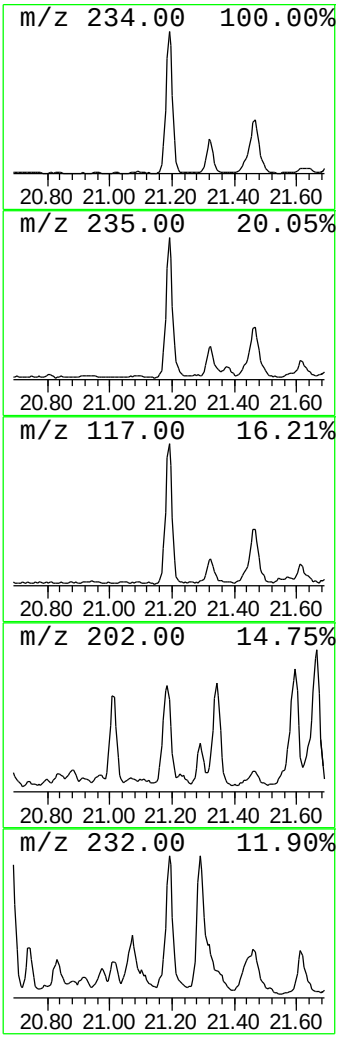
****

Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.19	3.40 ng/ul	3662450	Chrysene-d12	21.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95





Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

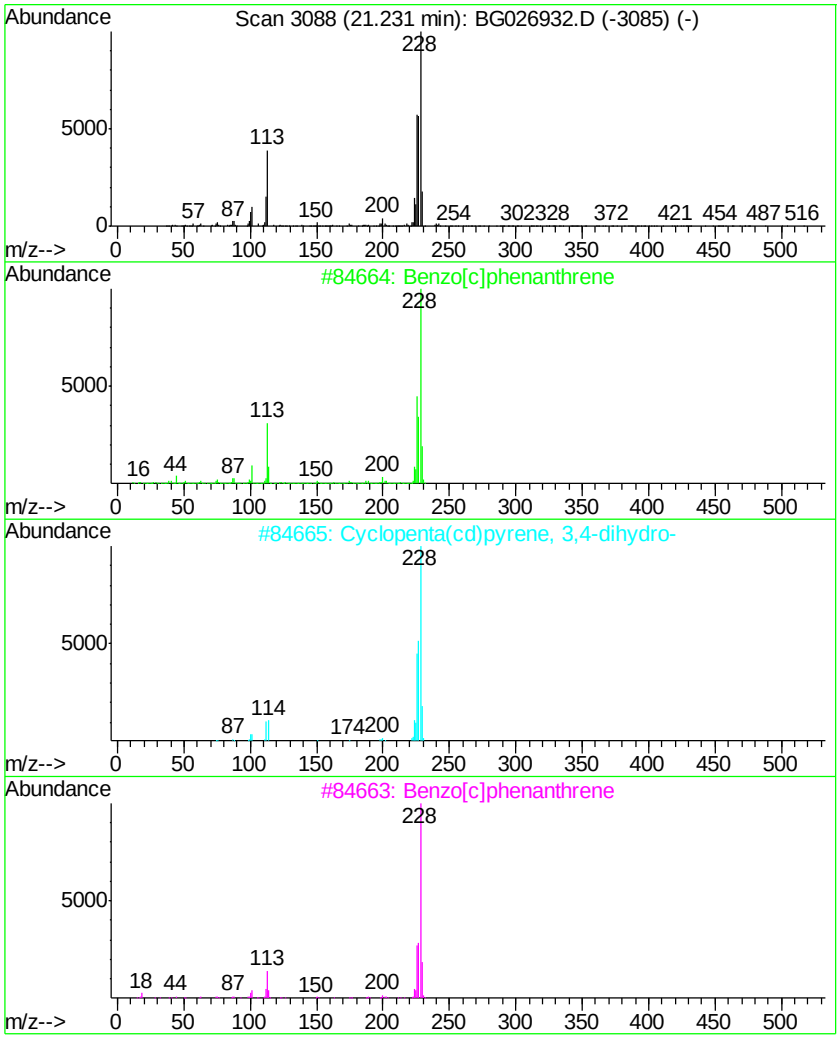
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

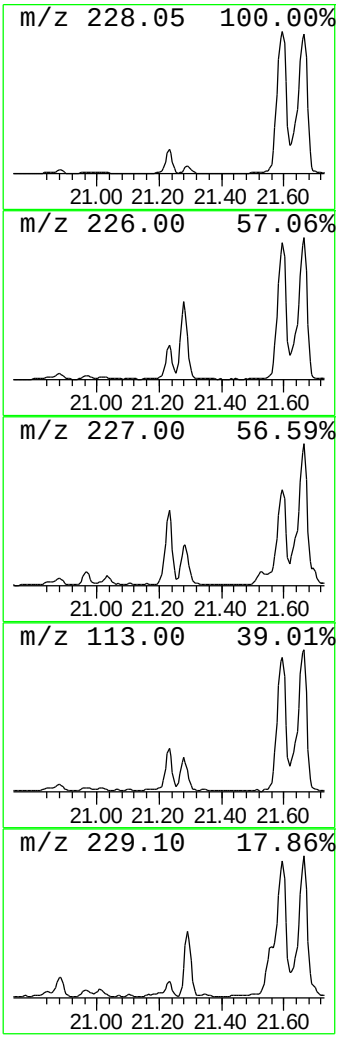
****

Peak Number 30 Benzo[c]phenanthrene Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	2.43 ng/ul	2618410	Chrysene-d12	21.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4	Benz[a]anthracene	228	C18H12	000056-55-3	50
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050917\
Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDC38

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.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
2,4,6-Cycloheptat...	15.95	4.0	ng/ul	455597	3	14.62	2288780	20.0
[1,1'-Biphenyl]-4...	16.10	6.0	ng/ul	661363	4	17.35	2223410	20.0
9H-Fluorene, 2-me...	16.66	7.6	ng/ul	848608	4	17.35	2223410	20.0
Benzene, 1-methyl...	16.88	3.4	ng/ul	379990	4	17.35	2223410	20.0
Dibenz[c,e]oxepin...	16.92	3.6	ng/ul	395280	4	17.35	2223410	20.0
9H-Fluoren-9-one	17.01	5.7	ng/ul	632318	4	17.35	2223410	20.0
Anthracene, 1,2,3...	17.11	11.7	ng/ul	1295550	4	17.35	2223410	20.0
Dibenzothiophene	17.17	9.1	ng/ul	1014960	4	17.35	2223410	20.0
Benzo[h]quinoline	17.54	4.7	ng/ul	521881	4	17.35	2223410	20.0
Anthracene, 9-eth...	17.86	3.6	ng/ul	397770	4	17.35	2223410	20.0
4-Methylnaphtho[1...	17.94	3.5	ng/ul	392415	4	17.35	2223410	20.0
Phenanthrene, 2-m...	18.23	20.2	ng/ul	2242370	4	17.35	2223410	20.0
Phenanthrene, 1-m...	18.28	26.5	ng/ul	2943780	4	17.35	2223410	20.0
1H-Cyclopropa[l]p...	18.36	11.1	ng/ul	1231210	4	17.35	2223410	20.0
4H-Cyclopenta[def...	18.43	57.5	ng/ul	6395400	4	17.35	2223410	20.0
Naphthalene, 2-ph...	18.72	14.9	ng/ul	1658130	4	17.35	2223410	20.0
9,10-Anthracenedione	18.77	11.0	ng/ul	1225510	4	17.35	2223410	20.0
Phenanthrene, 4,5...	18.96	6.7	ng/ul	741180	4	17.35	2223410	20.0
Phenanthrene, 3,6...	19.02	3.9	ng/ul	434606	4	17.35	2223410	20.0
di-p-Tolylacetylene	19.06	3.3	ng/ul	361741	4	17.35	2223410	20.0
Phenanthrene, 2,5...	19.14	10.4	ng/ul	1150640	4	17.35	2223410	20.0
unknown-01	19.20	9.5	ng/ul	1053460	4	17.35	2223410	20.0
Cyclopenta(def)ph...	19.29	13.3	ng/ul	1480140	4	17.35	2223410	20.0
Indeno[2,1-b]chro...	19.94	2.0	ng/ul	2214200	5	21.61	21563200	20.0
Pyrene, 1-methyl-	20.08	3.2	ng/ul	3423350	5	21.61	21563200	20.0
Fluoranthene, 2-m...	20.26	6.8	ng/ul	7348210	5	21.61	21563200	20.0
11H-Benzo[b]fluorene	20.36	4.3	ng/ul	4597820	5	21.61	21563200	20.0
Pyrene, 2-methyl-	20.41	2.7	ng/ul	2883450	5	21.61	21563200	20.0
Benzo[b]naphtho[2...	21.19	3.4	ng/ul	3662450	5	21.61	21563200	20.0
Benzo[c]phenanthrene	21.23	2.4	ng/ul	2618410	5	21.61	21563200	20.0