LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

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\SOM02.2-EPA-BG113016.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	2.903	7	11	29	rVB4	32759	107464	1.19%	0.108%
2	3.279	70	75	81	rVB	53381	88919	0.99%	0.089%
3	3.373	86	91	98	rVB5	23123	43606	0.48%	0.044%
4	4.043	200	205	211	rVB5	12888	27417	0.30%	0.028%
5	4.137	212	221	229	rBV2	66797	117023	1.30%	0.117%
6	5.318	413	422	426	rBV2	22715	45675	0.51%	0.046%
7	5.394	430	435	440	rBV5	18431	32593	0.36%	0.033%
8	7.403	767	777	792	rBV2	468617	1059221	11.76%	1.063%
9	7.562	797	804	814	rBV	296960	539460	5.99%	0.542%
10	7.779	827	841	852	rBV	416504	776333	8.62%	0.779%
11	8.249	909	921	933	rVB	501956	951585	10.57%	0.955%
12	8.954	1033	1041	1052	rBV2	580750	1095096	12.16%	1.099%
13	9.430	1113	1122	1131	rBV	478359	908476	10.09%	0.912%
14	9.748	1171	1176	1182	rVB5	18058	28891	0.32%	0.029%
15	10.153	1237	1245	1256	rVV	445952	855006	9.50%	0.858%
16	10.694	1328	1337	1346	rBV2	625856	1206948	13.40%	1.212%
17	11.076	1393	1402	1416	rVB	734614	1373475	15.25%	1.379%
18	11.217	1416	1426	1444	rBV	259380	569668	6.33%	0.572%
19	12.233	1593	1599	1604	rVB3	41309	67109	0.75%	0.067%
20	12.521	1638	1648	1655	rBV8	17632	38261	0.42%	0.038%
21	12.633	1663	1667	1675	rBV9	14988	30918	0.34%	0.031%
22	12.762	1684	1689	1699	rVB7	44047	93393	1.04%	0.094%
23	14.037	1898	1906	1912	rBV7	11619	33249	0.37%	0.033%
24	14.190	1922	1932	1938	rBV7	28403	64771	0.72%	0.065%
25	14.260	1938	1944	1949	rVV	1111707	1724071	19.15%	1.731%
26	14.307	1949	1952	1959	rVV	265092	375096	4.17%	0.377%
27	14.483	1977	1982	1988	rBV4	32165	59479	0.66%	0.060%
28	14.571	1988	1997	2005	rVV	1122584	1853999	20.59%	1.861%
29	14.871	2036	2048	2054	rBV	1109746	1772996	19.69%	1.780%
30	14.930	2054	2058	2064	rVB2	85727	140671	1.56%	0.141%
31	15.083	2076	2084	2094	rBV	463507	846817	9.40%	0.850%
32	15.235	2104	2110	2111	rBV6	36424	45049	0.50%	0.045%
33	15.265	2112	2115	2122	rVB	51955	81967	0.91%	0.082%
34	15.588	2164	2170	2177	rVV	149531	259402	2.88%	0.260%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

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\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	15.653	2177	2181	2186	rVB3	50164	75776	0.84%	0.076%
36	15.858	2208	2216	2222	rBV	1527002	2396417	26.61%	2.406%
37	15.911	2222	2225	2233	rVB2	116433	190681	2.12%	0.191%
38	15.987	2233	2238	2245	rBV2	395425	639169	7.10%	0.642%
39	16.199	2270	2274	2280	rVB2	58475	97039	1.08%	0.097%
40	16.352	2295	2300	2308	rVB4	42405	91679	1.02%	0.092%
41	16.434	2312	2314	2321	rVB8	17712	36544	0.41%	0.037%
42	16.516	2323	2328	2334	rBV2	66757	116758	1.30%	0.117%
43	16.886	2384	2391	2393	rBV8	37524	78080	0.87%	0.078%
44	16.963	2400	2404	2410	rBV6	87311	111852	1.24%	0.112%
45	17.133	2428	2433	2436	rBV7	46866	64596	0.72%	0.065%
46	17.174	2437	2440	2445	rVV7	21839	37199	0.41%	0.037%
47	17.274	2452	2457	2460	rBV	145774	239526	2.66%	0.240%
48	17.304	2461	2462	2465	rVV	28310	31227	0.35%	0.031%
49	17.362	2468	2472	2478	rVB2	84394	115717	1.29%	0.116%
50	17.433	2479	2484	2492	rVB2	123328	232993	2.59%	0.234%
51	17.521	2496	2499	2505	rBV8	30047	59534	0.66%	0.060%
52	17.615	2508	2515	2518	rBV2	1258679	1967712	21.85%	1.975%
53	17.662	2518	2523	2528	rVV	2886875	4658855	51.74%	4.677%
54	17.715	2528	2532	2543	rVB2	1638624	2875415	31.93%	2.887%
55	17.809	2544	2548	2557	rVB3	64415	146180	1.62%	0.147%
56	18.020	2577	2584	2596	rBV2	357655	705595	7.84%	0.708%
57	18.120	2597	2601	2608	rBV3	66820	137616	1.53%	0.138%
58	18.191	2609	2613	2621	rBV6	71491	139680	1.55%	0.140%
59	18.338	2633	2638	2644	rVB4	94352	158265	1.76%	0.159%
60	18.408	2647	2650	2653	rBV5	54191	65305	0.73%	0.066%
61	18.455	2654	2658	2667	rVV2	987953	1940771	21.55%	1.948%
62	18.531	2667	2671	2677	rVB	510642	786983	8.74%	0.790%
63	18.620	2681	2686	2690	rVB2	49266	75464	0.84%	0.076%
64	18.678	2690	2696	2700	rBV2	474533	965405	10.72%	0.969%
65	18.831	2719	2722	2726	rBV6	49020	72803	0.81%	0.073%
66	18.872	2726	2729	2733	rBV6	59809	76993	0.86%	0.077%
67	18.972	2741	2746	2751	rBV	360657	554423	6.16%	0.557%
68	19.025	2751	2755	2761	rVB	826904	1259677	13.99%	1.265%
69	19.213	2785	2787	2792	rVB4	87800	91606	1.02%	0.092%
70	19.260	2793	2795	2799	rVB3	64136	76122	0.85%	0.076%
71	19.301	2800	2802	2808	rVB7	73606	106421	1.18%	0.107%

LSC Area Percent Report

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Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

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\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	19.383	2812	2816	2819	rBV2	177060	271347	3.01%	0.272%
73	19.542	2837	2843	2848	rBV2	266372	501566	5.57%	0.504%
74	19.660	2855	2863	2868	rBV	6018109	9004604	100.00%	9.040%
75	19.712	2868	2872	2876	rBV3	421148	547381	6.08%	0.550%
76	19.848	2891	2895	2899	rBV4	166664	263399	2.93%	0.264%
77	19.989	2912	2919	2921	rBV2	2608213	4417111	49.05%	4.434%
78	20.024	2921	2925	2931	rVV	4860391	7277061	80.81%	7.306%
79	20.077	2931	2934	2940	rVB	303314	441107	4.90%	0.443%
80	20.188	2948	2953	2959	rBV	314777	458059	5.09%	0.460%
81	20.335	2971	2978	2984	rBV2	362923	905612	10.06%	0.909%
82	20.394	2984	2988	2992	rBV2	163049	293950	3.26%	0.295%
83	20.500	2995	3006	3014	rBV	841214	1670061	18.55%	1.677%
84	20.594	3018	3022	3026	rBV	450329	724652	8.05%	0.727%
85	20.799	3054	3057	3060	rBV	202783	292692	3.25%	0.294%
86	21.281	3134	3139	3146	rVB	628408	1051064	11.67%	1.055%
87	21.475	3165	3172	3176	rBV2	714427	1442630	16.02%	1.448%
88	21.516	3177	3179	3184	rVB2	410165	531745	5.91%	0.534%
89	21.575	3184	3189	3194	rBV2	489217	946429	10.51%	0.950%
90	21.634	3195	3199	3206	rVB	710622	1177545	13.08%	1.182%
91	21.904	3238	3245	3252	rBV3	2657215	7138249	79.27%	7.166%
92	21.969	3252	3256	3267	rVB	2623533	4827720	53.61%	4.847%
93	22.127	3279	3283	3290	rVB	330161	558261	6.20%	0.560%
94	22.351	3316	3321	3327	rVB4	312425	597204	6.63%	0.600%
95	23.408	3496	3501	3509	rVB4	431513	861421	9.57%	0.865%
96	24.260	3637	3646	3654	rBV	1743221	6364729	70.68%	6.390%
97	25.042	3771	3779	3787	rBV2	762917	2400517	26.66%	2.410%
98	25.124	3787	3793	3799	rVV2	545986	1322543	14.69%	1.328%
99	25.200	3800	3806	3821	rVB2	1101556	3351510	37.22%	3.365%
100	25.365	3827	3834	3842	rVB	445298	1178481	13.09%	1.183%

Sum of corrected areas: 99608832

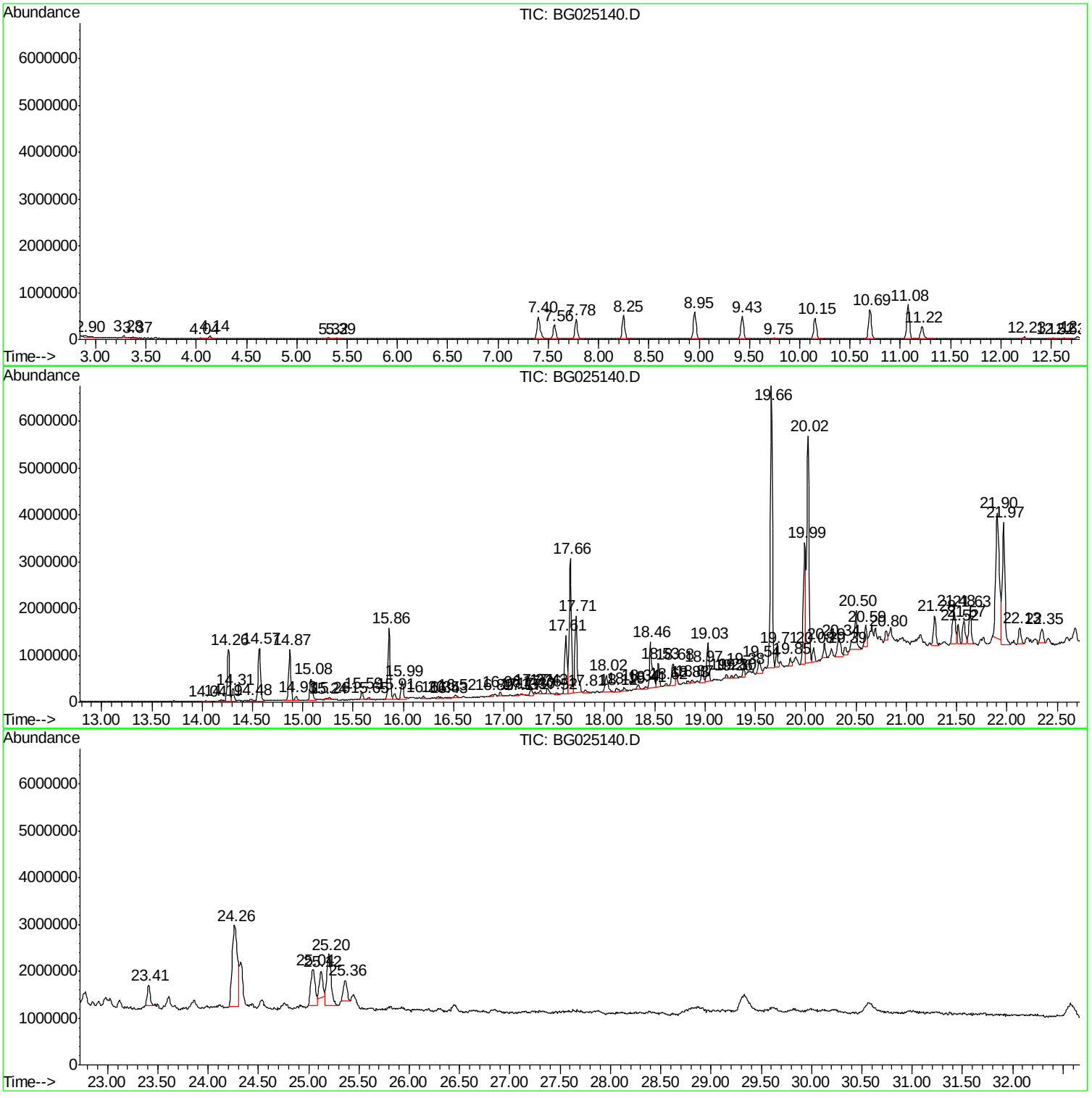
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
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Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

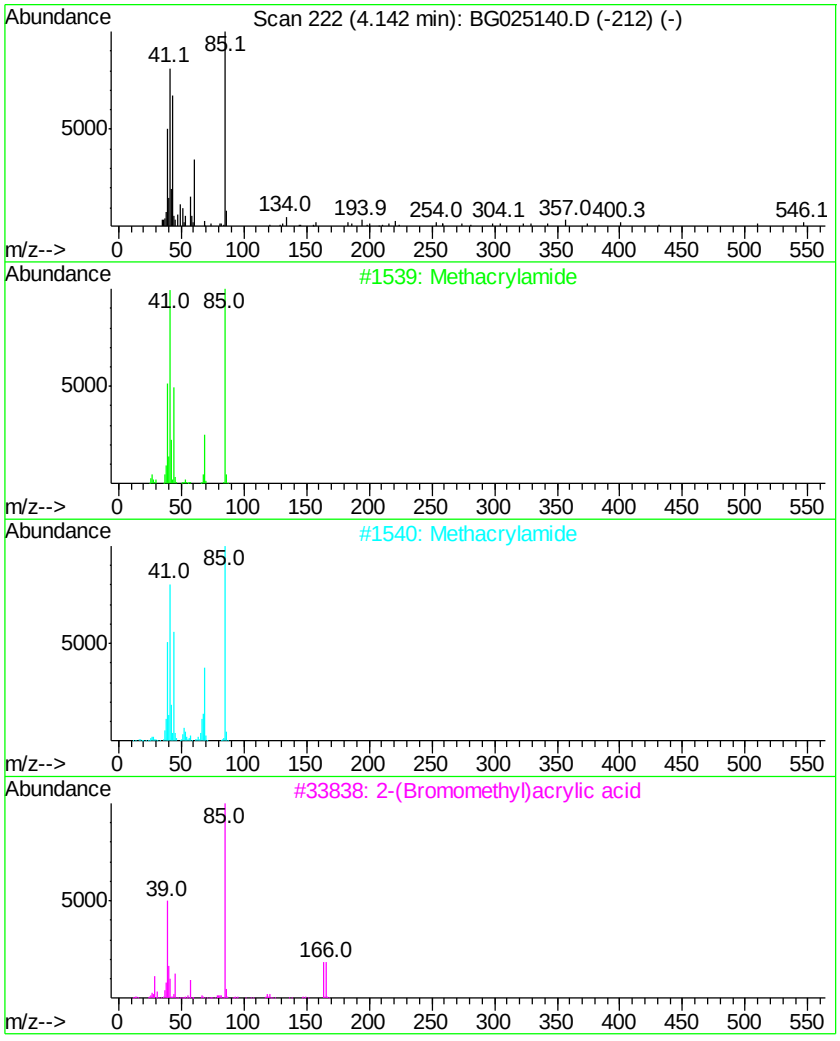
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

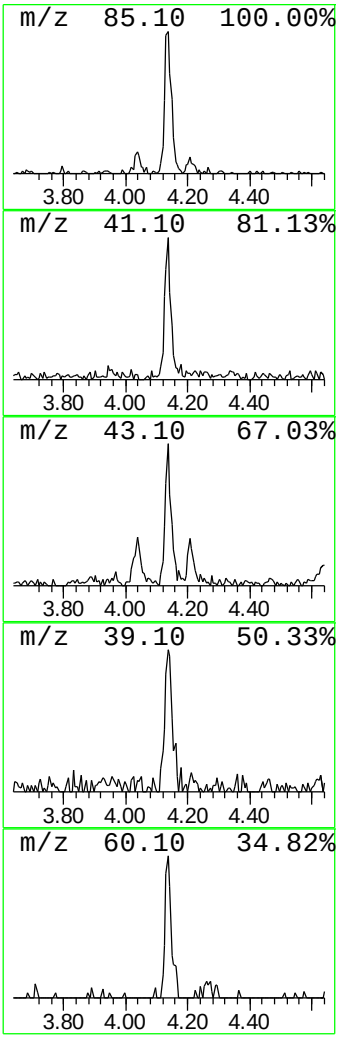
****

Peak Number 2 Methacrylamide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	2.46 ng/ul	117023	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	58
2	Methacrylamide	85	C4H7NO	000079-39-0	50
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	43
4	Methacrylamide	85	C4H7NO	000079-39-0	42
5	4-Methoxy-3-buten-2-one	100	C5H8O2	004652-27-1	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

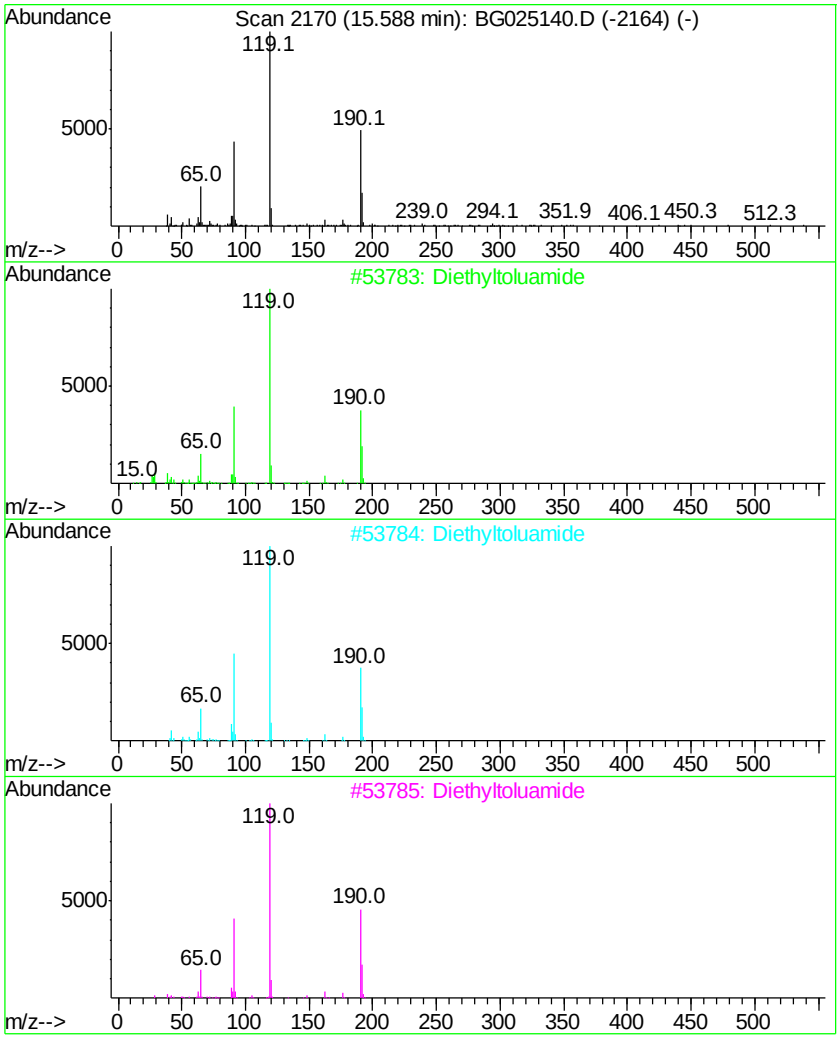
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

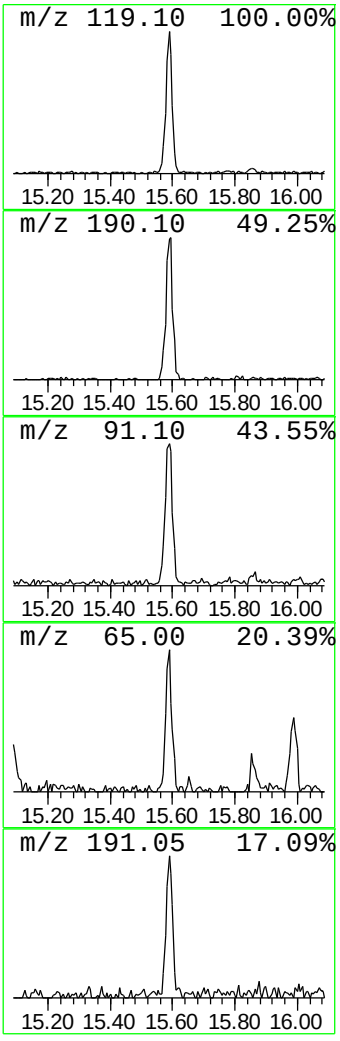
****

Peak Number 3 Diethyltoluamide Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	2.93 ng/ul	259402	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	93
2	Diethyltoluamide	191	C12H17NO	000134-62-3	93
3	Diethyltoluamide	191	C12H17NO	000134-62-3	91
4	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	68
5	2,5-Pyrrolidinedione, 1-[(2-meth...	233	C12H11NO4	110920-14-4	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

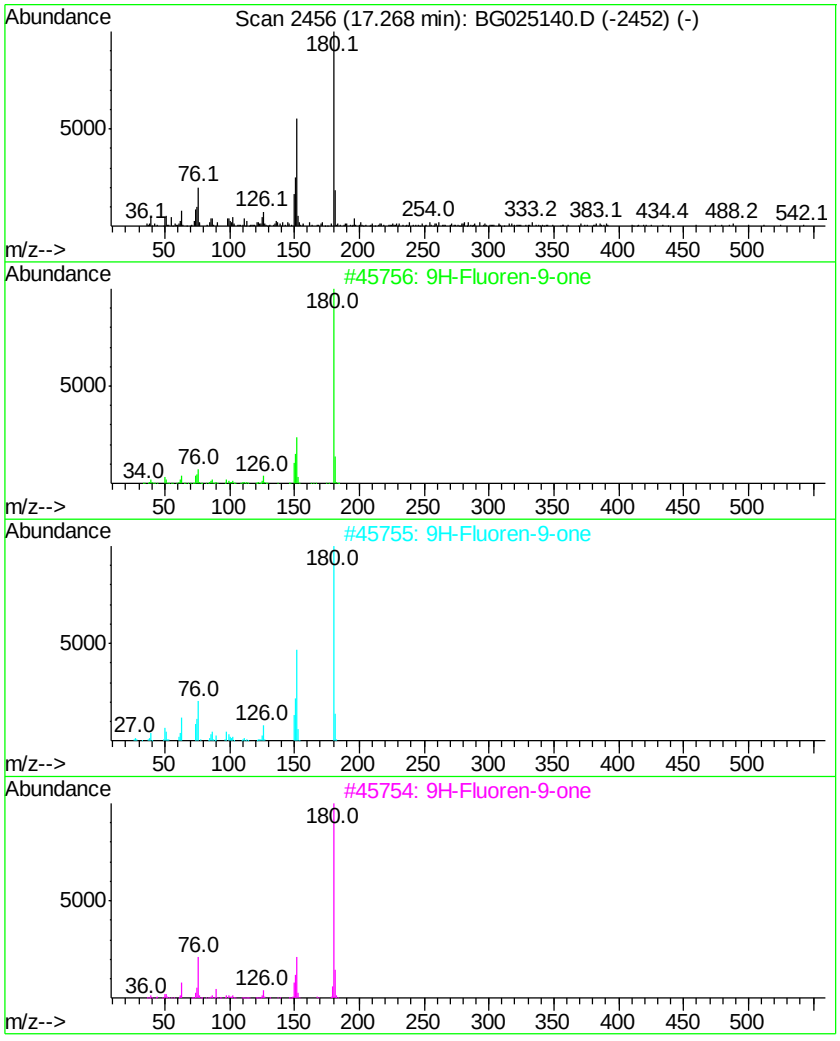
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

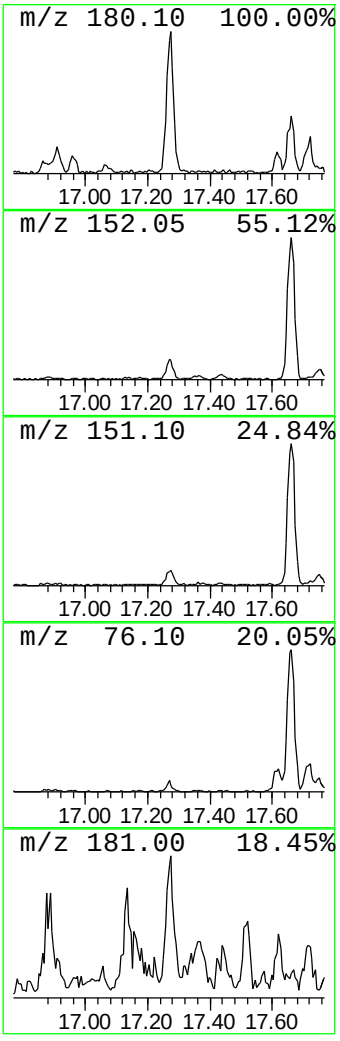
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.43 ng/ul	239526	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

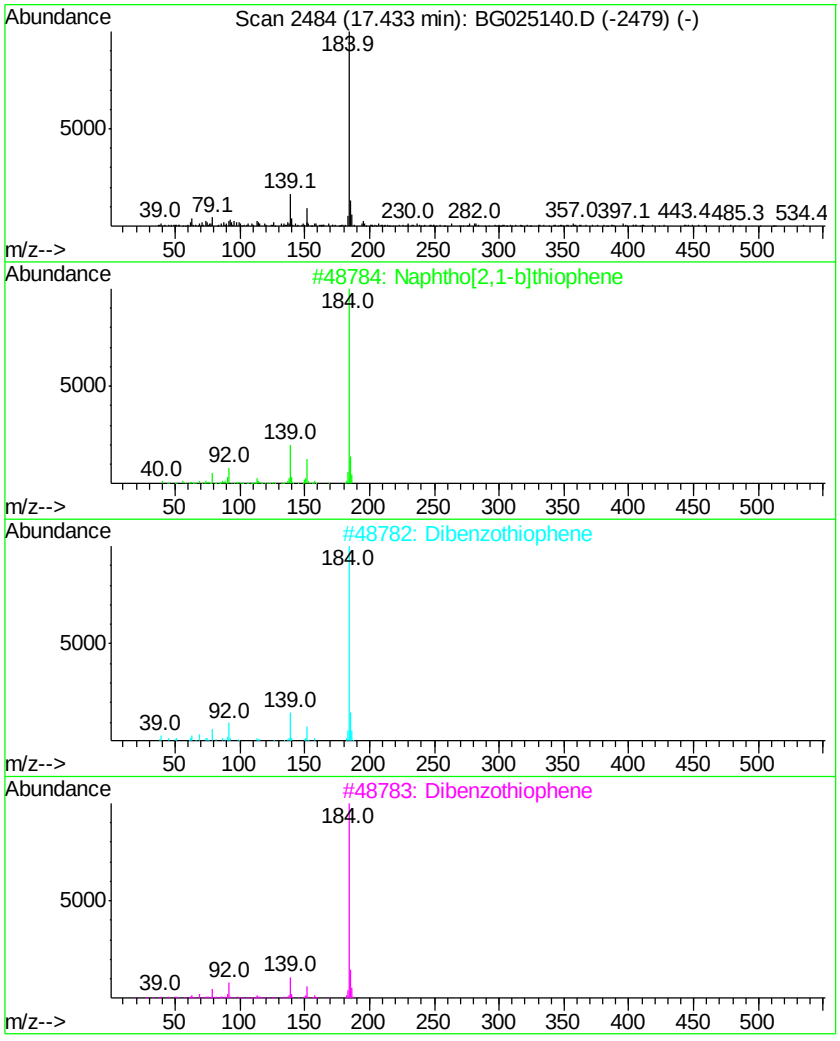
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

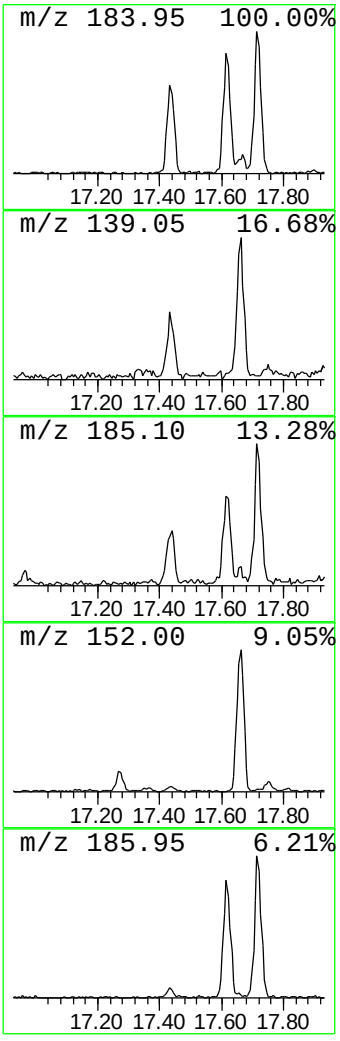
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.37 ng/ul	232993	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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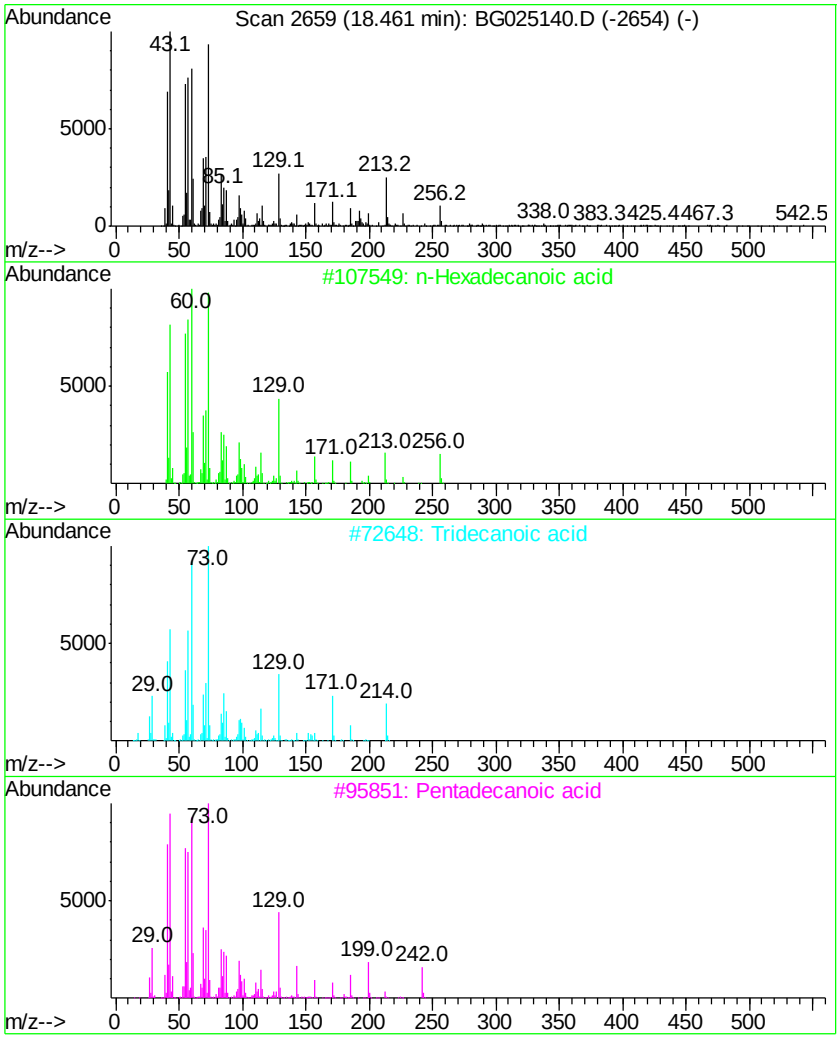
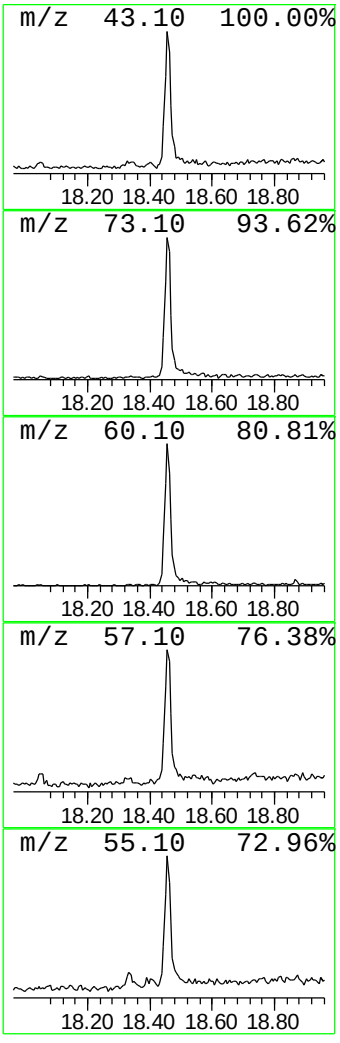
Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	19.73 ng/ul	1940770	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72





Library Search Compound Report

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Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

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Quant Title : SVOA CALIBRATION

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

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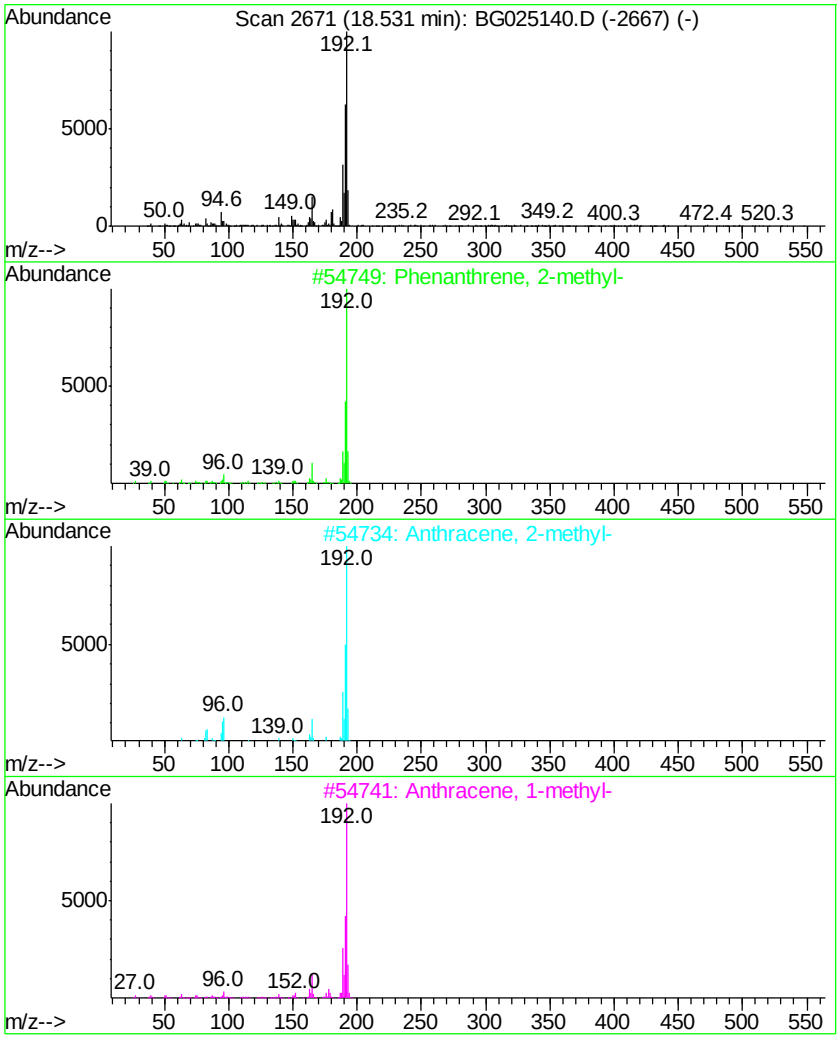
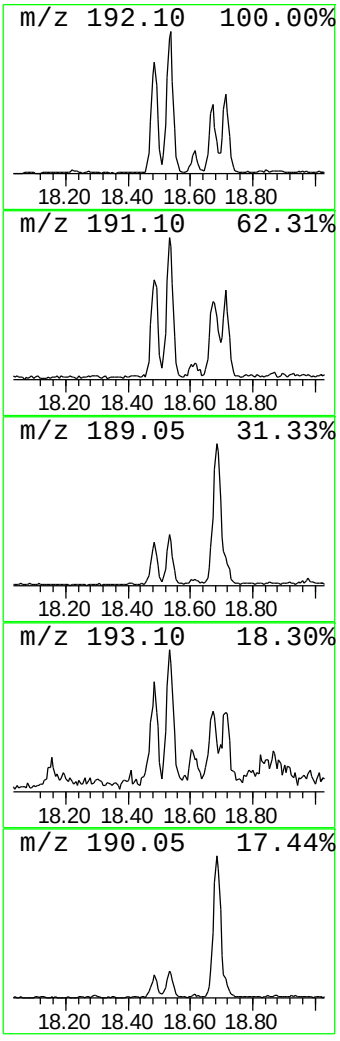
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	8.00 ng/ul	786983	Phenanthrene-d10	17.61

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	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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ClientSampleId : P006-SS002-0106-03

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Quant Title : SVOA CALIBRATION

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

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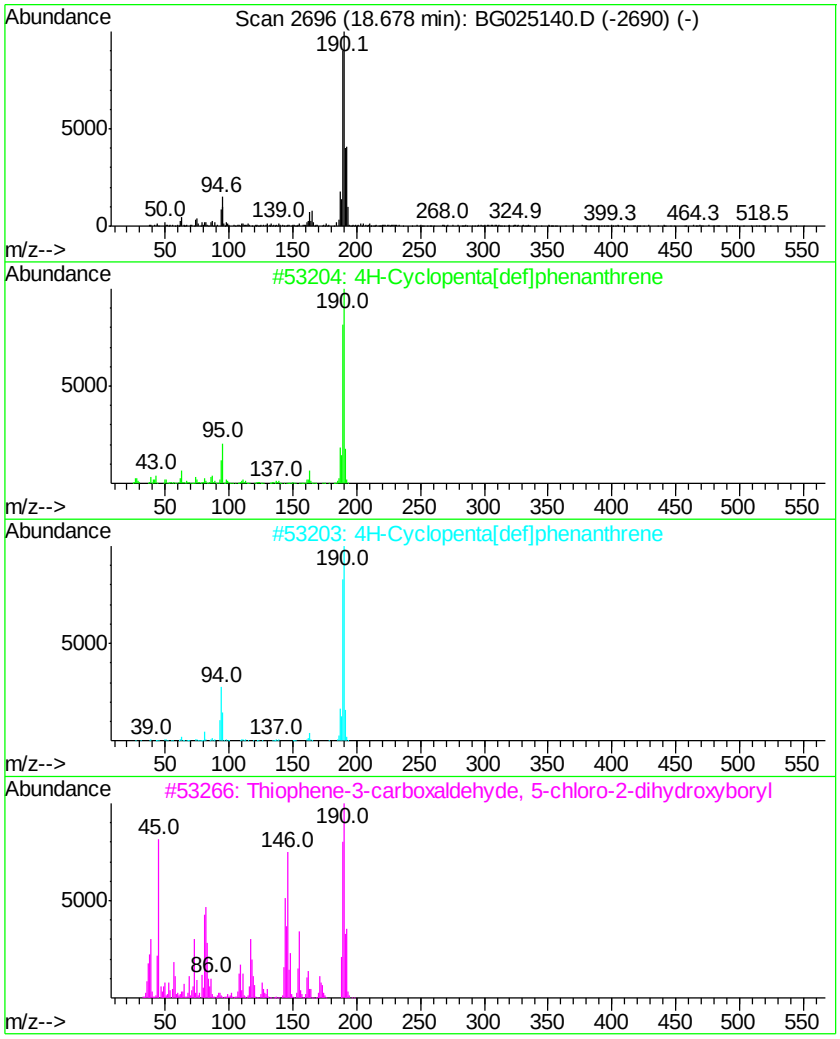
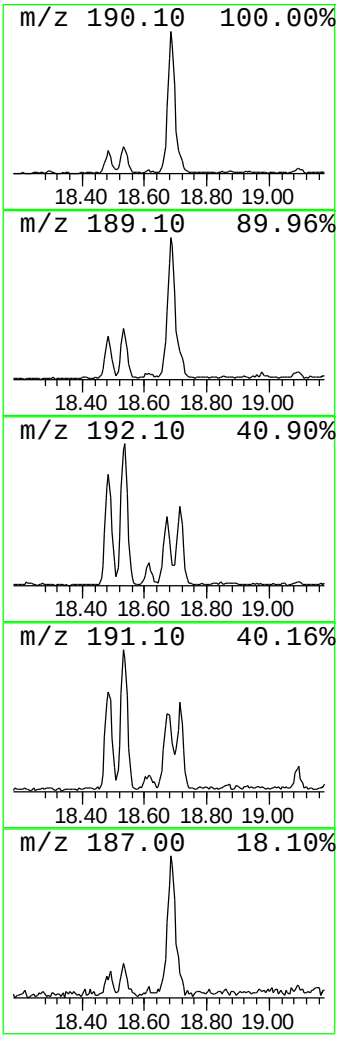
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	9.81 ng/ul	965405	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	32





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ClientSampleId : P006-SS002-0106-03

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Quant Title : SVOA CALIBRATION

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

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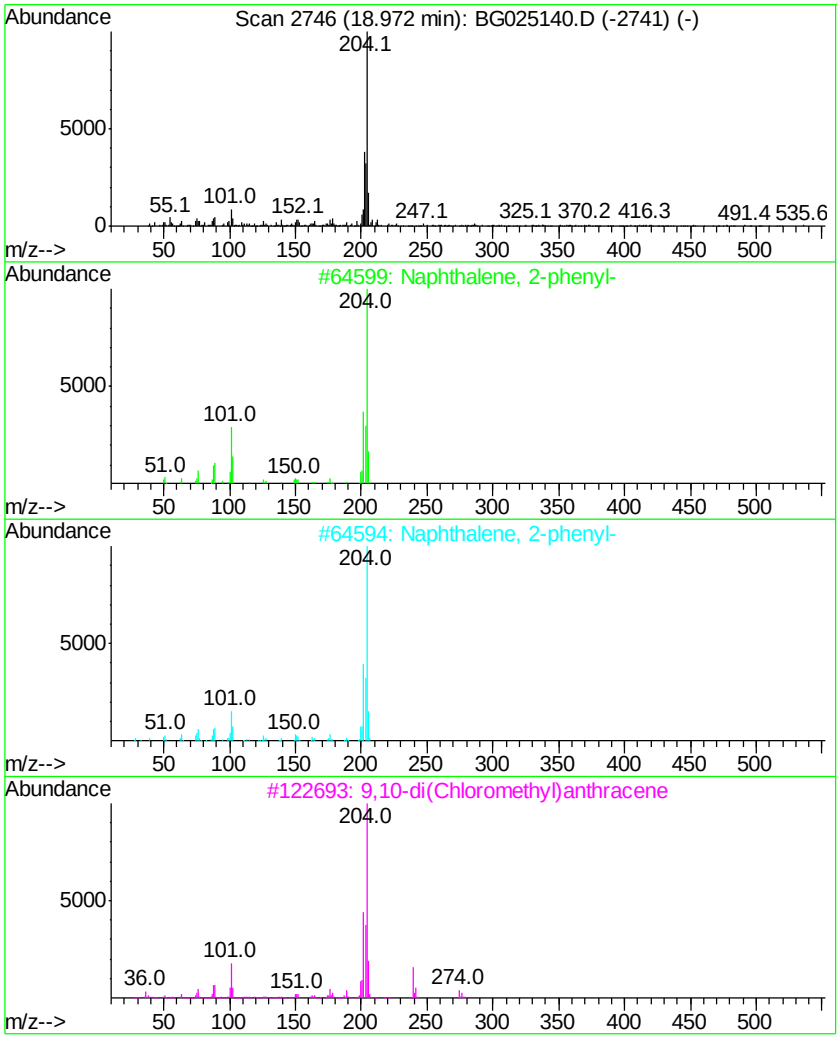
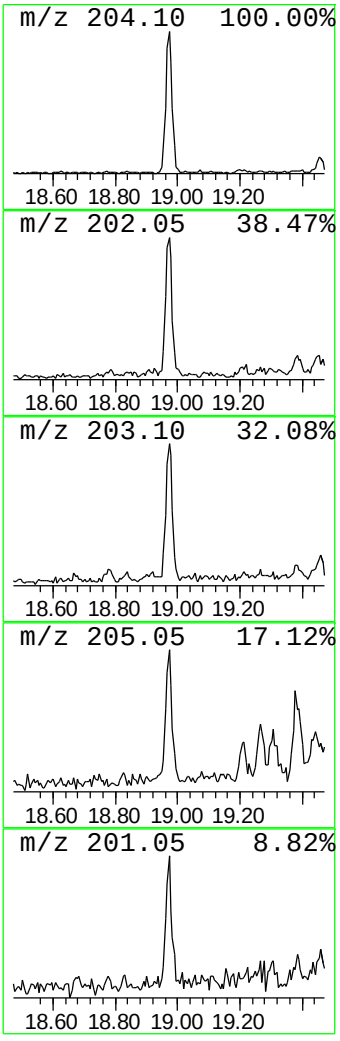
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	5.64 ng/ul	554423	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





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ClientSampleId : P006-SS002-0106-03

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Quant Title : SVOA CALIBRATION

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

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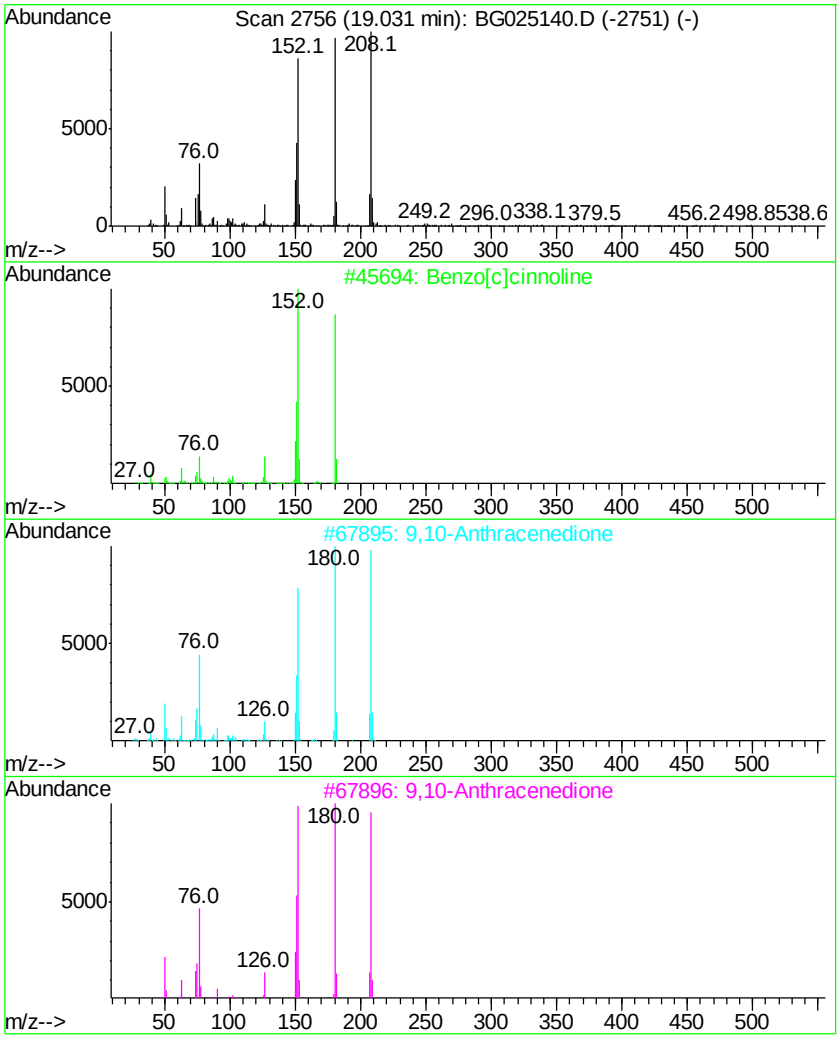
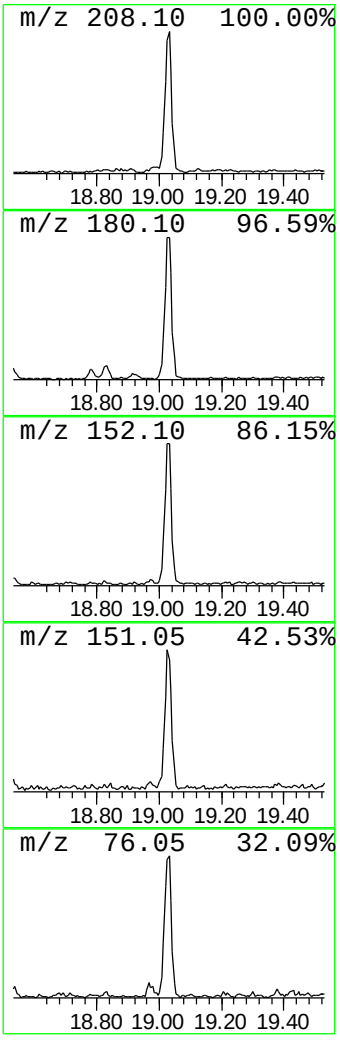
Peak Number 10 Benzo[c]cinnoline Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	12.80 ng/ul	1259680	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78





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Quant Title : SVOA CALIBRATION

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

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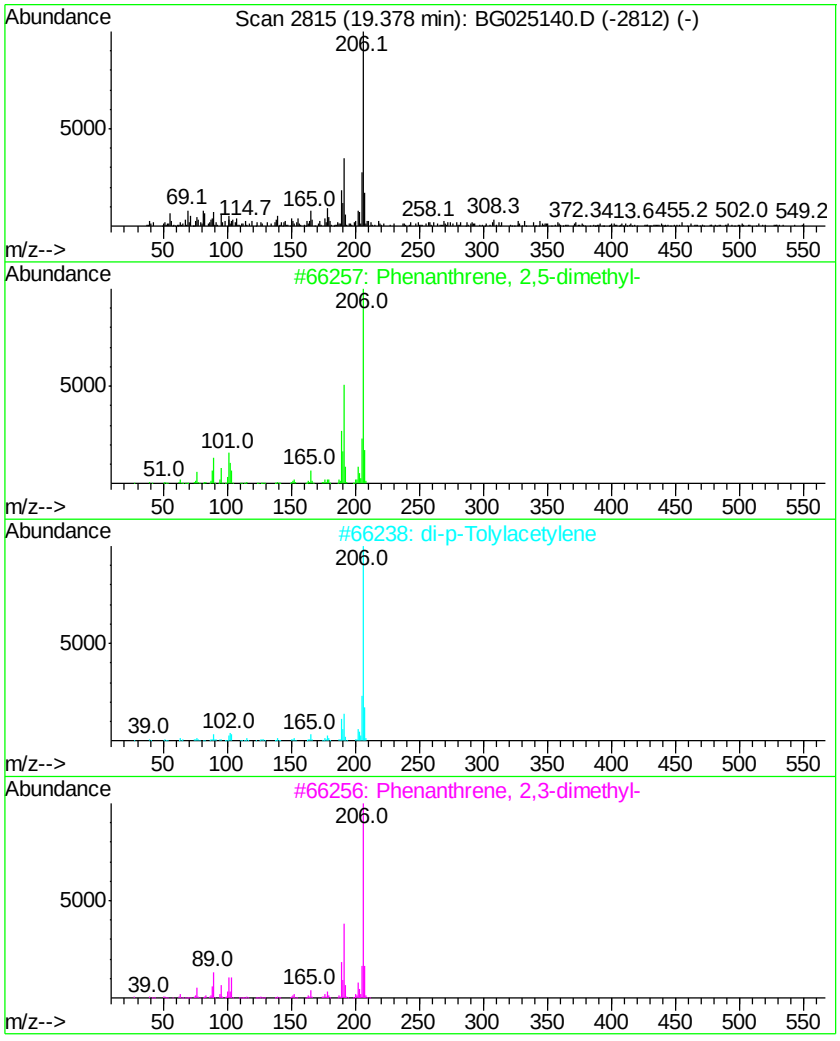
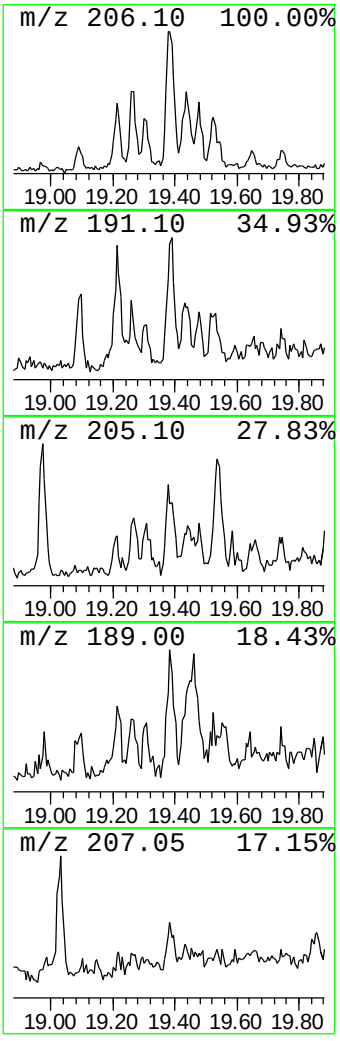
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	2.76 ng/ul	271347	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74





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ClientSampleId : P006-SS002-0106-03

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Quant Title : SVOA CALIBRATION

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

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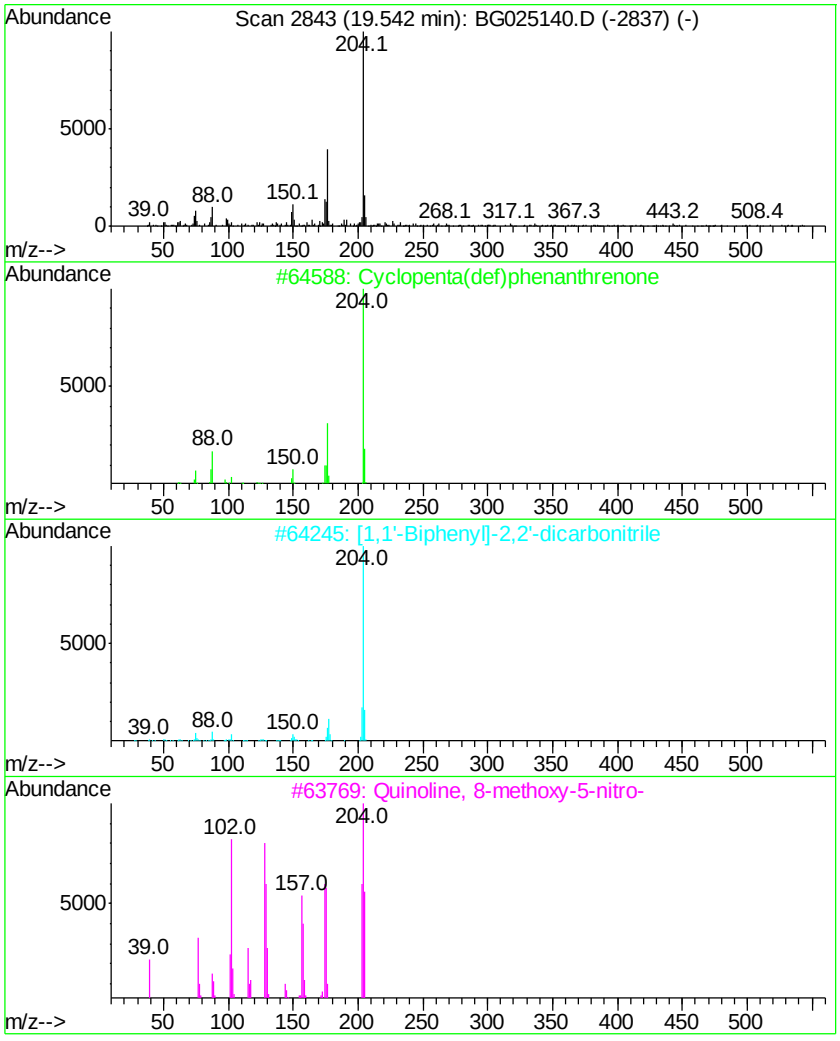
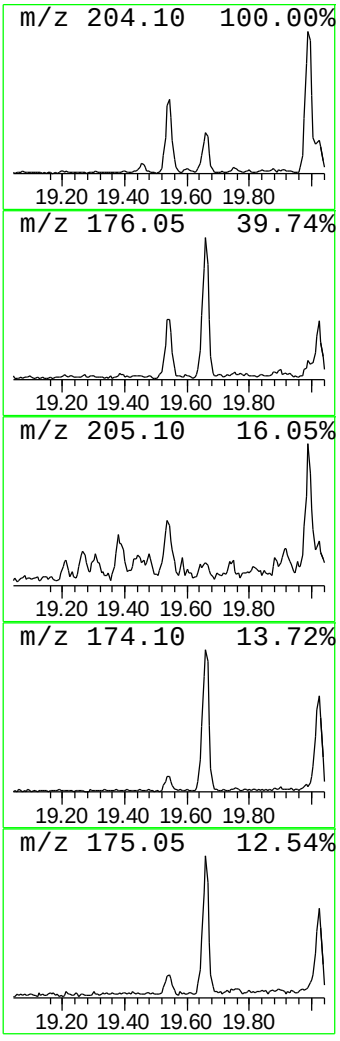
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	5.10 ng/ul	501566	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	2-Methyl-5-nitroindole-3-carboxa...	204	C10H8N2O3	003558-17-6	46





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Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

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Quant Title : SVOA CALIBRATION

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

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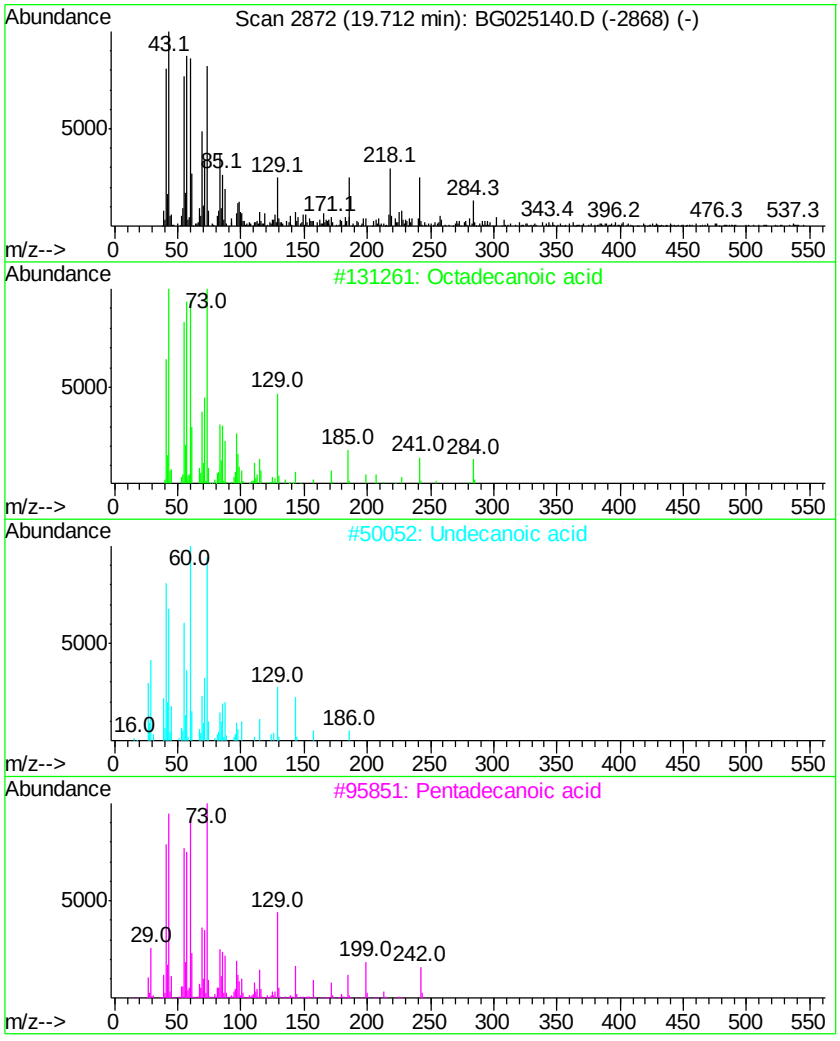
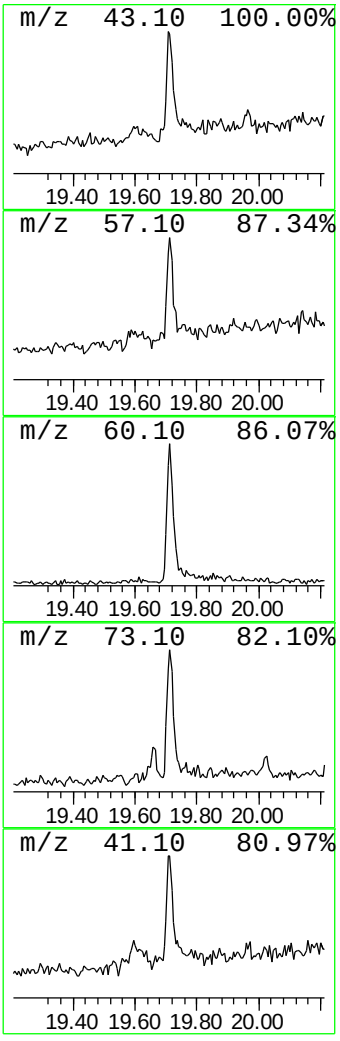
Peak Number 13 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	5.56 ng/ul	547381	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	86
2	Undecanoic acid	186	C11H22O2	000112-37-8	60
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Octadecanoic acid	284	C18H36O2	000057-11-4	53
5	Octadecanoic acid	284	C18H36O2	000057-11-4	53





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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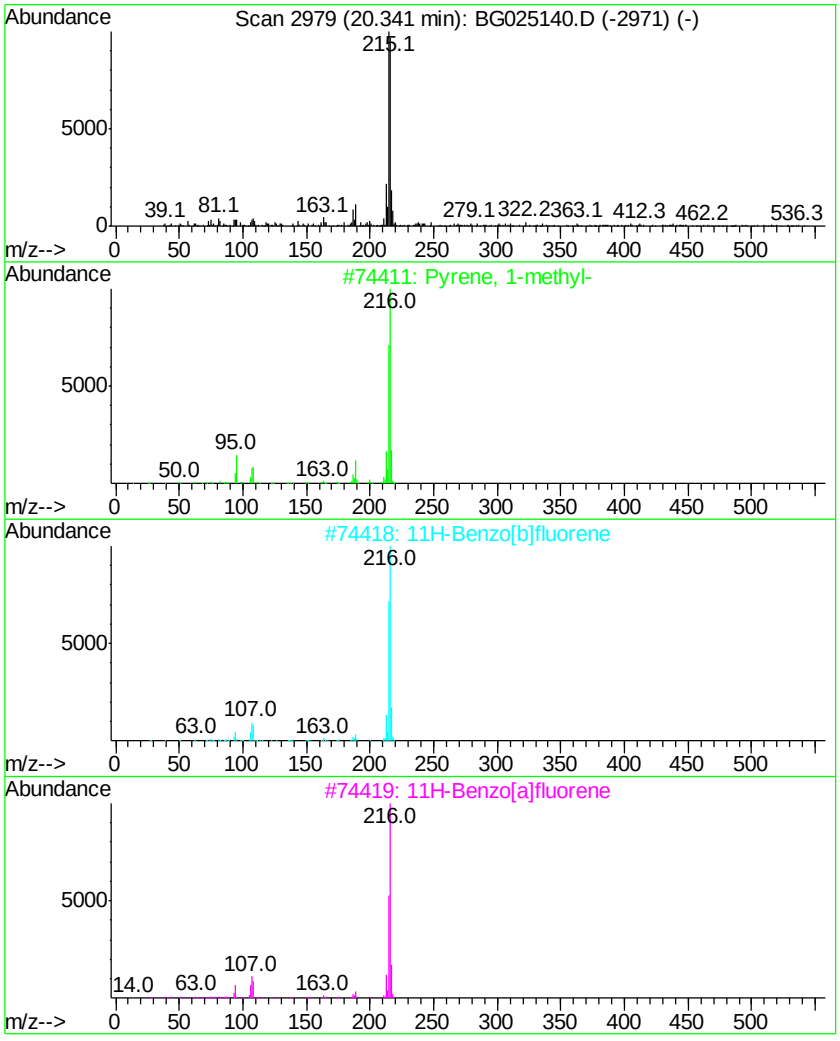
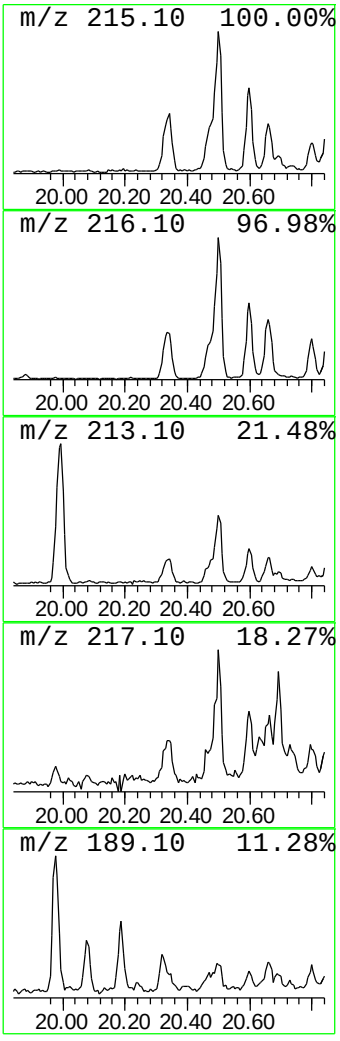
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.54 ng/ul	905612	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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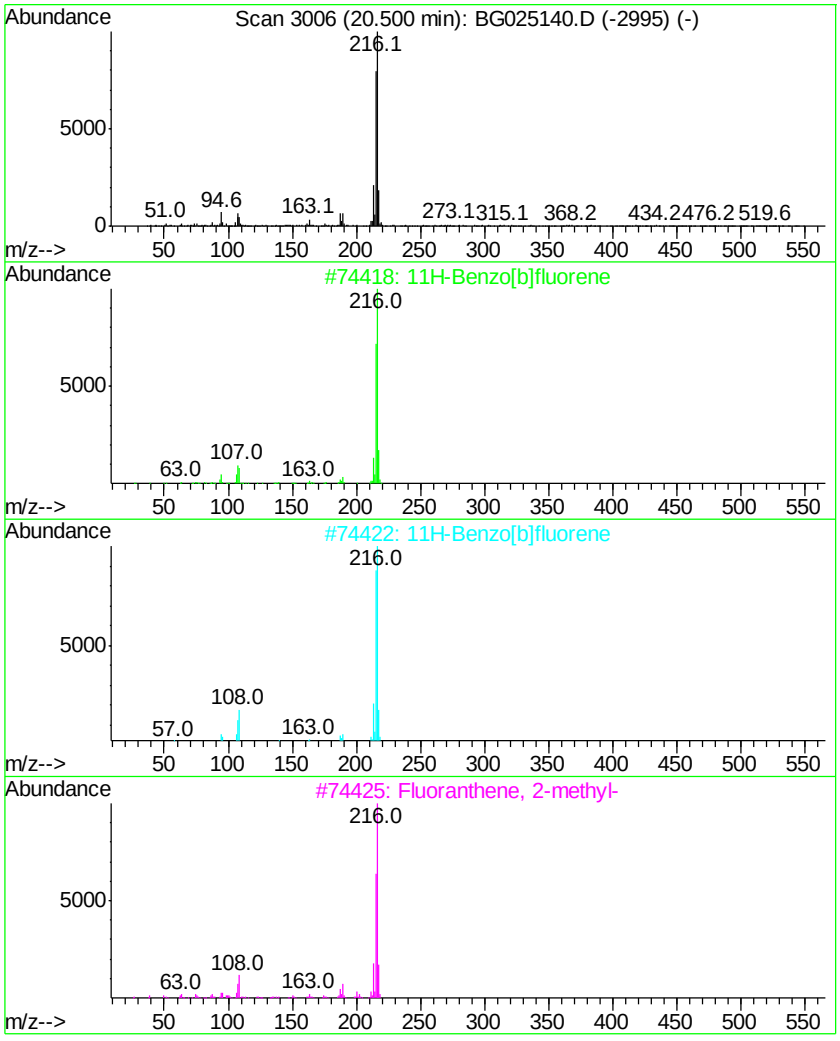
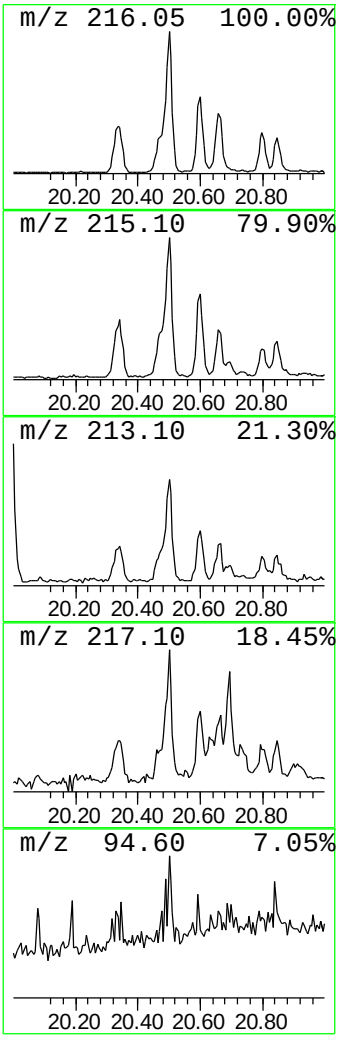
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	4.68 ng/ul	1670060	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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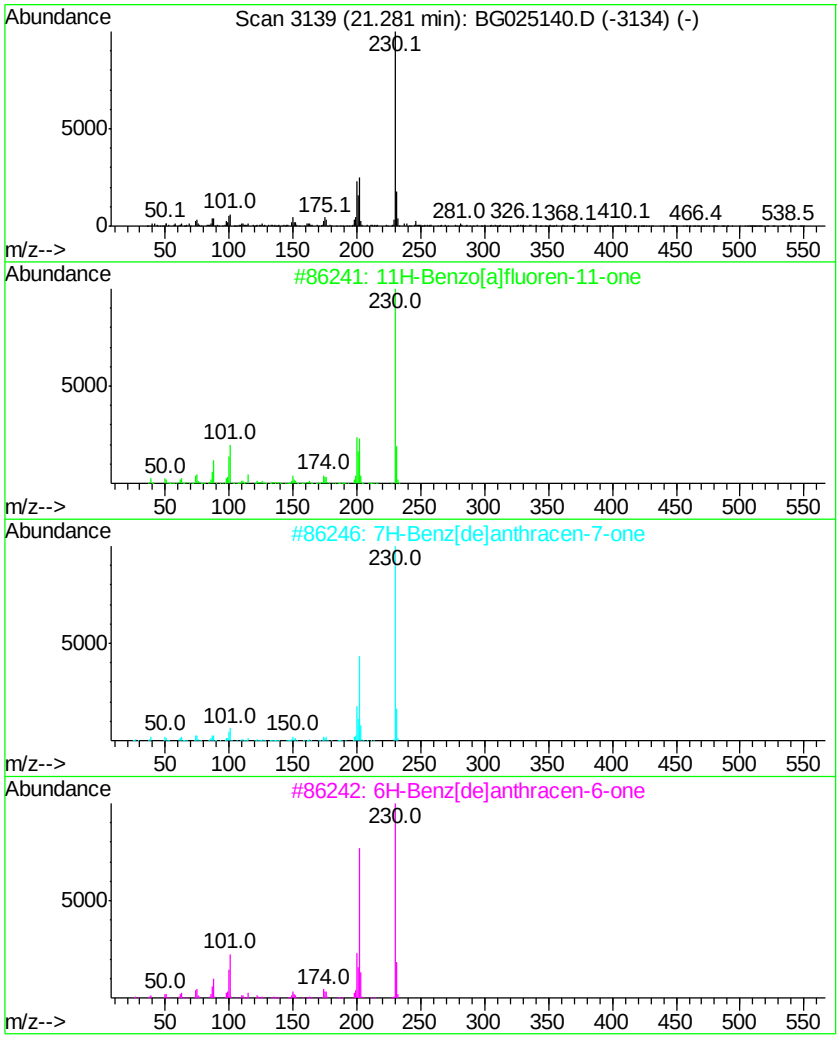
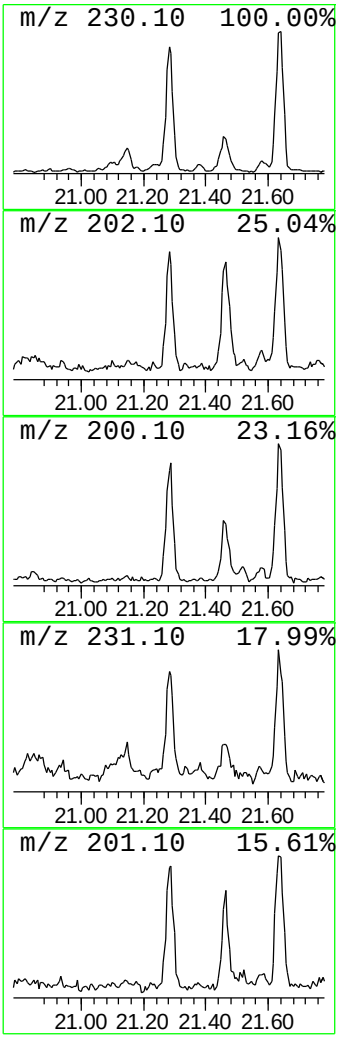
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	2.94 ng/ul	1051060	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	74
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





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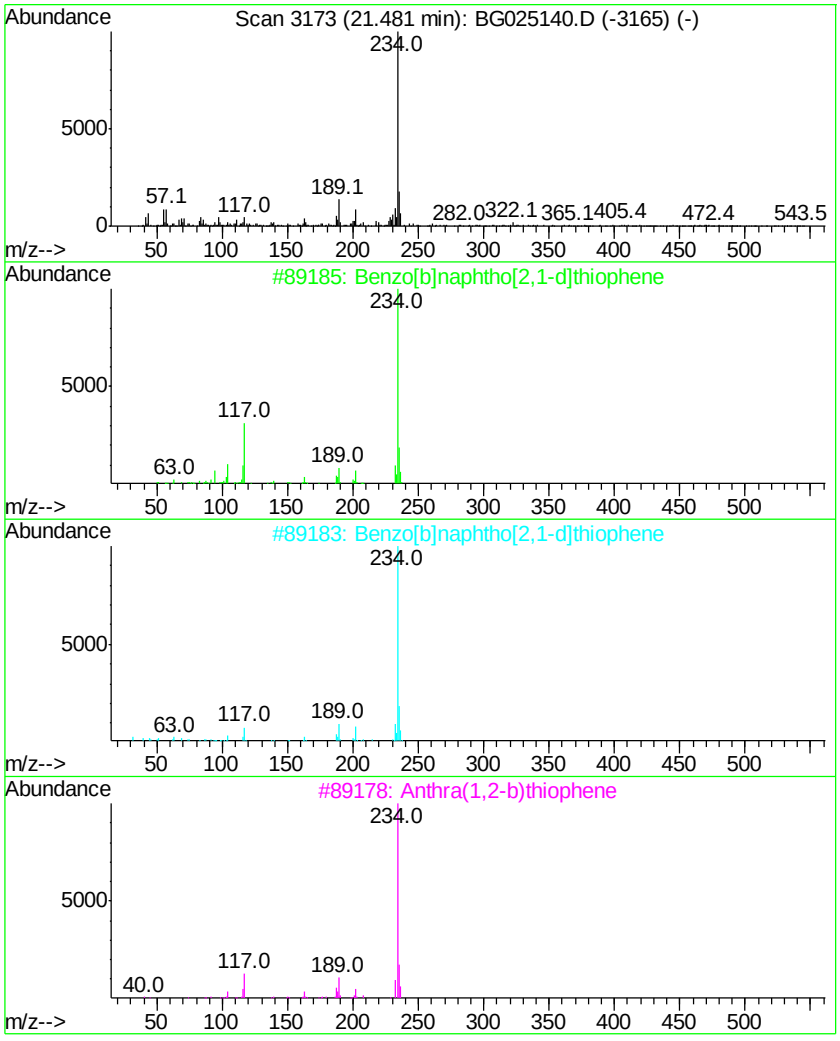
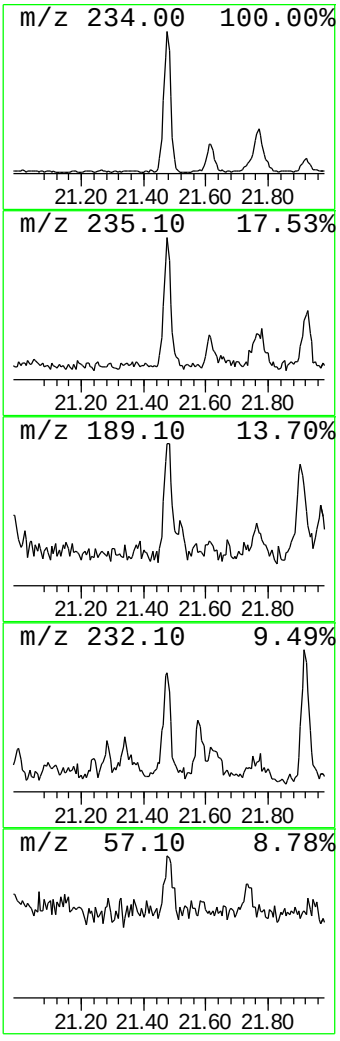
****
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.48	4.04 ng/ul	1442630	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

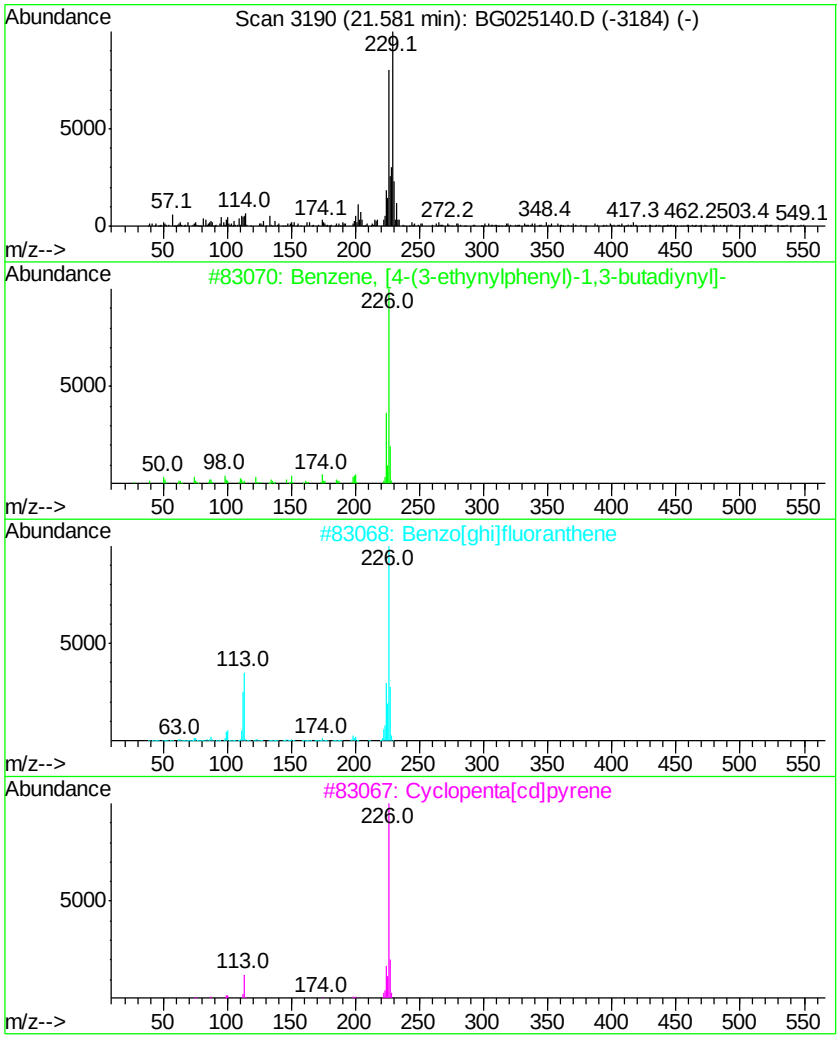
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

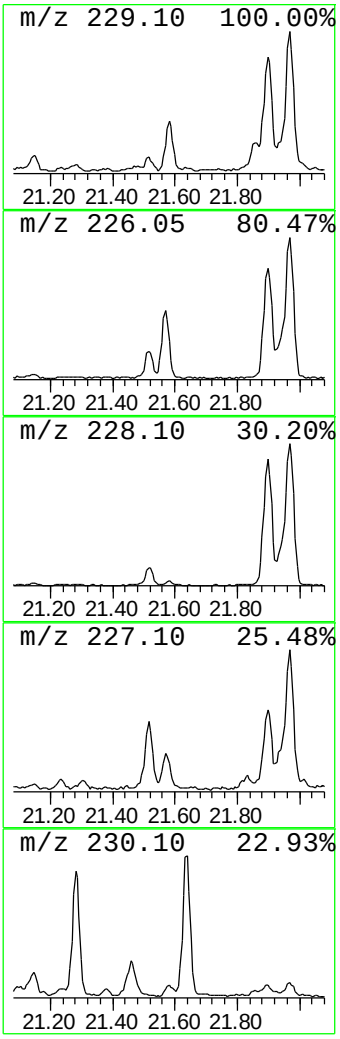
****

Peak Number 19 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.65 ng/ul	946429	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	32
5	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

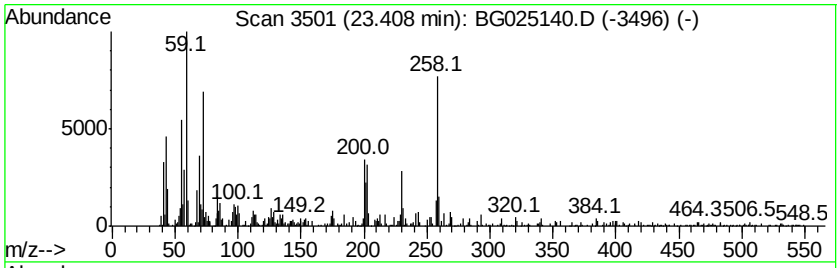
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

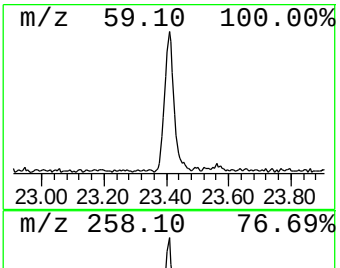
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 7,8,9,10,11,12-Hexahydroben... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.41	2.41 ng/ul	861421	Chrysene-d12	21.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,8,9,10,11,12-Hexahydrobenzo[a]...	258	C20H18	073712-71-7	58
2	1,5-Dihydroxy-6-methoxyxanthone	258	C14H10O5	181307-35-7	53
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	42
4	Yangonin	258	C15H14O4	000500-62-9	30
5	Cyclopenta[c]fluorene, 2,4-dimet...	258	C13H14N4S	1000304-26-5	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025140.D
Acq On : 13 Dec 2016 7:54
Operator : UM/SJ
Sample : H5990-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-SS002-0106-03

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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
Methacrylamide	4.14	2.5	ng/ul	117023	1	8.25	951585	20.0
Diethyltoluamide	15.59	2.9	ng/ul	259402	3	14.87	1773000	20.0
9H-Fluoren-9-one	17.27	2.4	ng/ul	239526	4	17.61	1967710	20.0
Naphtho[2,1-b]thi...	17.43	2.4	ng/ul	232993	4	17.61	1967710	20.0
n-Hexadecanoic acid	18.46	19.7	ng/ul	1940770	4	17.61	1967710	20.0
Phenanthrene, 2-m...	18.53	8.0	ng/ul	786983	4	17.61	1967710	20.0
4H-Cyclopenta[def...	18.68	9.8	ng/ul	965405	4	17.61	1967710	20.0
Naphthalene, 2-ph...	18.97	5.6	ng/ul	554423	4	17.61	1967710	20.0
Benzo[c]cinnoline	19.03	12.8	ng/ul	1259680	4	17.61	1967710	20.0
Phenanthrene, 2,5...	19.38	2.8	ng/ul	271347	4	17.61	1967710	20.0
Cyclopenta(def)ph...	19.54	5.1	ng/ul	501566	4	17.61	1967710	20.0
Octadecanoic acid	19.71	5.6	ng/ul	547381	4	17.61	1967710	20.0
Pyrene, 1-methyl-	20.34	2.5	ng/ul	905612	5	21.92	7138250	20.0
11H-Benzo[b]fluorene	20.50	4.7	ng/ul	1670060	5	21.92	7138250	20.0
11H-Benzo[a]fluor...	21.28	2.9	ng/ul	1051060	5	21.92	7138250	20.0
Benzo[b]naphtho[2...	21.48	4.0	ng/ul	1442630	5	21.92	7138250	20.0
unknown-01	21.58	2.6	ng/ul	946429	5	21.92	7138250	20.0
7,8,9,10,11,12-He...	23.41	2.4	ng/ul	861421	5	21.92	7138250	20.0