LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

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-BG011817.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	3.066	35	39	49	rVB2	123261	173885	3.10%	0.213%
2	3.506	109	114	124	rVB4	26737	59662	1.06%	0.073%
3	4.018	195	201	205	rBV3	43948	79332	1.41%	0.097%
4	7.337	759	766	782	rBV3	387431	918954	16.37%	1.126%
5	7.490	786	792	804	rVB	303150	537240	9.57%	0.658%
6	7.707	820	829	845	rBV	391290	757643	13.50%	0.928%
7	8.177	901	909	921	rBV2	339030	636992	11.35%	0.781%
8	8.888	1022	1030	1046	rBV	418406	896347	15.97%	1.098%
9	9.358	1101	1110	1125	rBV	462320	892999	15.91%	1.094%
10	10.087	1225	1234	1246	rBV2	420505	854755	15.23%	1.047%
11	10.633	1315	1327	1338	rBV2	512008	1075135	19.16%	1.318%
12	11.004	1381	1390	1397	rBV	527800	999924	17.82%	1.225%
13	11.150	1406	1415	1433	rBV2	433033	958550	17.08%	1.175%
14	14.200	1926	1934	1939	rVV	1258531	1965163	35.02%	2.408%
15	14.247	1939	1942	1951	rVB	352977	506680	9.03%	0.621%
16	14.505	1979	1986	1999	rBV	1315738	2098550	37.39%	2.572%
17	14.805	2026	2037	2043	rBV	960455	1611308	28.71%	1.975%
18	14.870	2043	2048	2057	rVB2	145370	233401	4.16%	0.286%
19	15.046	2072	2078	2093	rBV	314123	816182	14.54%	1.000%
20	15.204	2099	2105	2112	rBV	104294	200459	3.57%	0.246%
21	15.263	2112	2115	2124	rVB10	23255	50346	0.90%	0.062%
22	15.557	2158	2165	2167	rBV	35356	52150	0.93%	0.064%
23	15.592	2167	2171	2180	rVB2	62114	86583	1.54%	0.106%
24	15.798	2196	2206	2211	rBV	1774559	2815000	50.16%	3.450%
25	15.851	2212	2215	2223	rVB2	160785	244003	4.35%	0.299%
26	15.939	2223	2230	2240	rBV	622704	1110158	19.78%	1.360%
27	16.139	2261	2264	2272	rVB	50875	73586	1.31%	0.090%
28	16.286	2283	2289	2301	rBV2	52110	131617	2.35%	0.161%
29	16.450	2312	2317	2326	rBV2	81700	151257	2.70%	0.185%
30	16.850	2378	2385	2390	rVB9	38728	82147	1.46%	0.101%
31	17.073	2418	2423	2428	rVV8	35223	68350	1.22%	0.084%
32	17.214	2441	2447	2450	rBV	158785	240074	4.28%	0.294%
33	17.273	2455	2457	2465	rVB7	86349	146360	2.61%	0.179%
34	17.373	2465	2474	2487	rBV	144101	263829	4.70%	0.323%

LSC Area Percent Report

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Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

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-BG011817.M
Title : SVOA CALIBRATION

35	17.555	2497	2505	2508	rBV	1332108	2083259	37.12%	2.553%
36	17.596	2508	2512	2517	rVV	2673278	3977351	70.87%	4.874%
37	17.655	2517	2522	2536	rVV2	1909509	3704189	66.01%	4.539%
38	17.760	2536	2540	2549	rVB9	26455	60641	1.08%	0.074%
39	17.966	2566	2575	2587	rBV3	278010	674918	12.03%	0.827%
40	18.142	2600	2605	2613	rVB10	46227	83960	1.50%	0.103%
41	18.395	2644	2648	2650	rVV	168389	230346	4.10%	0.282%
42	18.424	2650	2653	2657	rVV	280476	408385	7.28%	0.500%
43	18.477	2657	2662	2669	rVB	337784	554225	9.88%	0.679%
44	18.554	2670	2675	2680	rVB2	85300	125047	2.23%	0.153%
45	18.624	2680	2687	2691	rBV3	296151	628116	11.19%	0.770%
46	18.777	2709	2713	2718	rBV2	33956	56880	1.01%	0.070%
47	18.912	2731	2736	2742	rBV	208229	295896	5.27%	0.363%
48	18.977	2742	2747	2754	rVV	298484	443000	7.89%	0.543%
49	19.153	2772	2777	2782	rBV4	57358	86944	1.55%	0.107%
50	19.206	2782	2786	2790	rVV4	46466	59081	1.05%	0.072%
51	19.247	2790	2793	2798	rVB5	48289	68369	1.22%	0.084%
52	19.323	2801	2806	2811	rBV2	87025	128321	2.29%	0.157%
53	19.394	2811	2818	2825	rVB9	74007	195523	3.48%	0.240%
54	19.488	2826	2834	2841	rVB2	138030	265578	4.73%	0.325%
55	19.599	2842	2853	2859	rBV	3303992	4849070	86.41%	5.942%
56	19.646	2859	2861	2866	rBV5	48480	76490	1.36%	0.094%
57	19.793	2881	2886	2891	rBV	1273943	1576813	28.10%	1.932%
58	19.928	2902	2909	2912	rBV2	2703943	4615556	82.25%	5.656%
59	19.964	2912	2915	2921	rVV	2528823	3372380	60.09%	4.133%
60	20.022	2921	2925	2932	rVB2	145054	228001	4.06%	0.279%
61	20.128	2938	2943	2949	rVV	220312	293540	5.23%	0.360%
62	20.210	2952	2957	2961	rVB	82972	125952	2.24%	0.154%
63	20.275	2961	2968	2975	rBV3	185029	444812	7.93%	0.545%
64	20.340	2975	2979	2983	rVV	67284	94349	1.68%	0.116%
65	20.445	2984	2997	3006	rBV2	282944	780528	13.91%	0.957%
66	20.539	3009	3013	3016	rBV	119957	146848	2.62%	0.180%
67	20.604	3016	3024	3027	rBV2	195800	401883	7.16%	0.492%
68	20.675	3033	3036	3041	rVB3	82464	110410	1.97%	0.135%
69	20.745	3043	3048	3051	rBV2	104974	172256	3.07%	0.211%
70	20.792	3052	3056	3058	rVV3	113268	193256	3.44%	0.237%
71	20.827	3058	3062	3068	rVB	1131373	1351299	24.08%	1.656%

LSC Area Percent Report

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Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

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-BG011817.M
Title : SVOA CALIBRATION

72	20.886	3068	3072	3085	rVB	52692	134795	2.40%	0.165%
73	21.227	3124	3130	3139	rVB	373545	604595	10.77%	0.741%
74	21.409	3153	3161	3165	rBV2	367561	733898	13.08%	0.899%
75	21.444	3165	3167	3173	rVV	271500	459749	8.19%	0.563%
76	21.509	3173	3178	3184	rVV3	241128	561587	10.01%	0.688%
77	21.574	3184	3189	3198	rVB	353851	660006	11.76%	0.809%
78	21.673	3201	3206	3207	rBV5	53458	81968	1.46%	0.100%
79	21.838	3221	3234	3240	rBV3	1994297	5611950	100.00%	6.877%
80	21.897	3240	3244	3257	rVB	1213699	2125778	37.88%	2.605%
81	22.049	3265	3270	3275	rVB	147817	241988	4.31%	0.297%
82	22.138	3281	3285	3294	rBV10	57486	136098	2.43%	0.167%
83	22.279	3303	3309	3316	rBV3	150643	324246	5.78%	0.397%
84	22.531	3346	3352	3355	rBV6	68157	138249	2.46%	0.169%
85	22.602	3357	3364	3370	rVB2	190578	421812	7.52%	0.517%
86	22.678	3373	3377	3387	rVB5	102533	191291	3.41%	0.234%
87	22.760	3388	3391	3398	rVB5	52976	103418	1.84%	0.127%
88	22.895	3408	3414	3418	rBV4	86208	199974	3.56%	0.245%
89	23.765	3556	3562	3578	rVB8	119598	438408	7.81%	0.537%
90	24.153	3617	3628	3636	rBV2	732405	2736678	48.77%	3.354%
91	24.423	3668	3674	3682	rVB2	107235	265823	4.74%	0.326%
92	24.917	3749	3758	3764	rBV2	369046	1022550	18.22%	1.253%
93	25.005	3764	3773	3779	rBV2	1046655	2715307	48.38%	3.327%
94	25.075	3780	3785	3798	rVB	570967	1697708	30.25%	2.080%
95	25.240	3801	3813	3821	rBV3	779493	2416796	43.07%	2.962%
96	26.268	3982	3988	3998	rVB5	104946	283777	5.06%	0.348%
97	27.672	4221	4227	4239	rVB7	116270	382722	6.82%	0.469%
98	29.129	4464	4475	4493	rVB3	228439	1142749	20.36%	1.400%
99	29.358	4507	4514	4526	rVB10	89785	325896	5.81%	0.399%
100	30.369	4675	4686	4699	rVB3	143133	690124	12.30%	0.846%

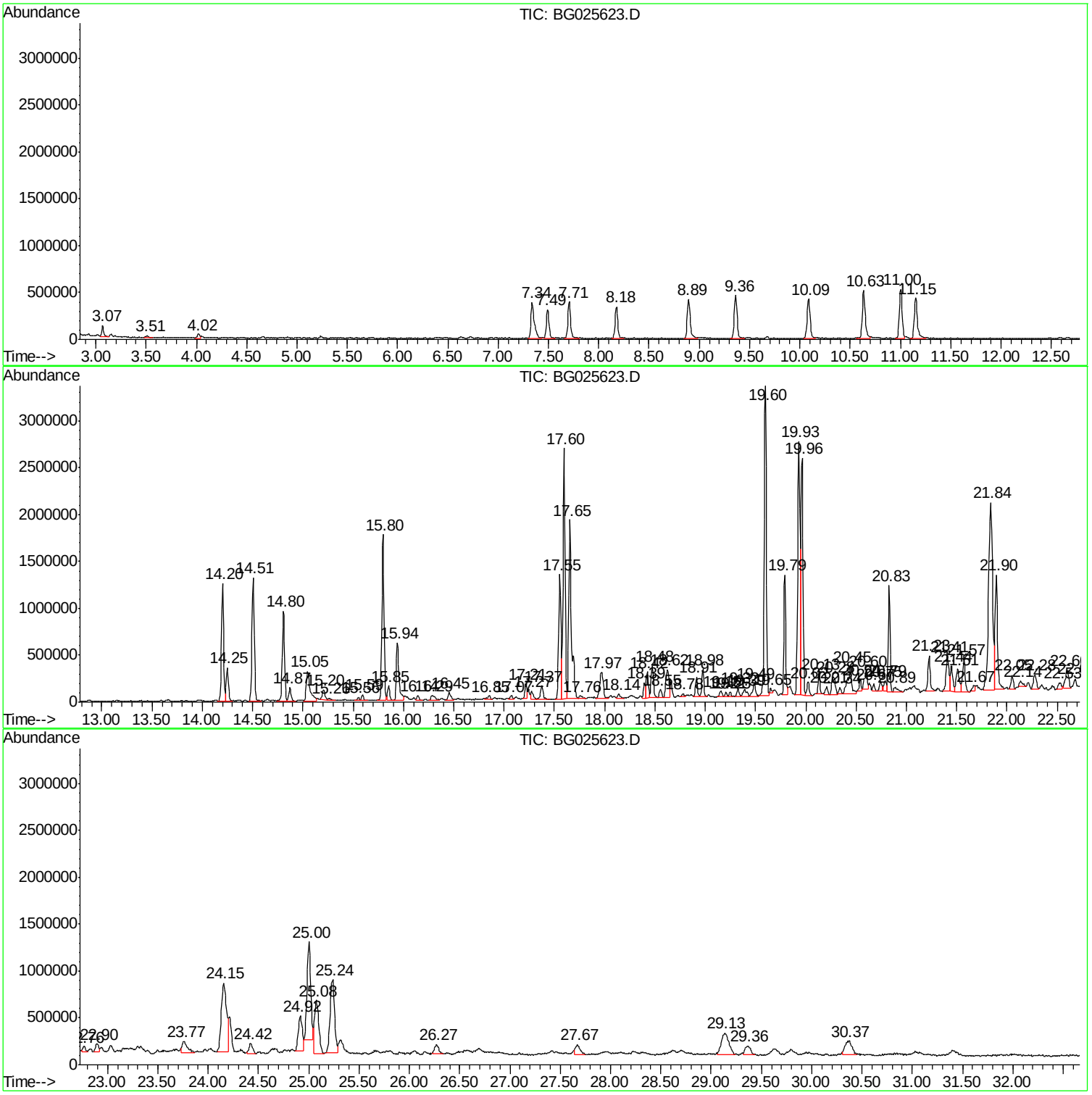
Sum of corrected areas: 81602033

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.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\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
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Sample : I1316-01
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Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

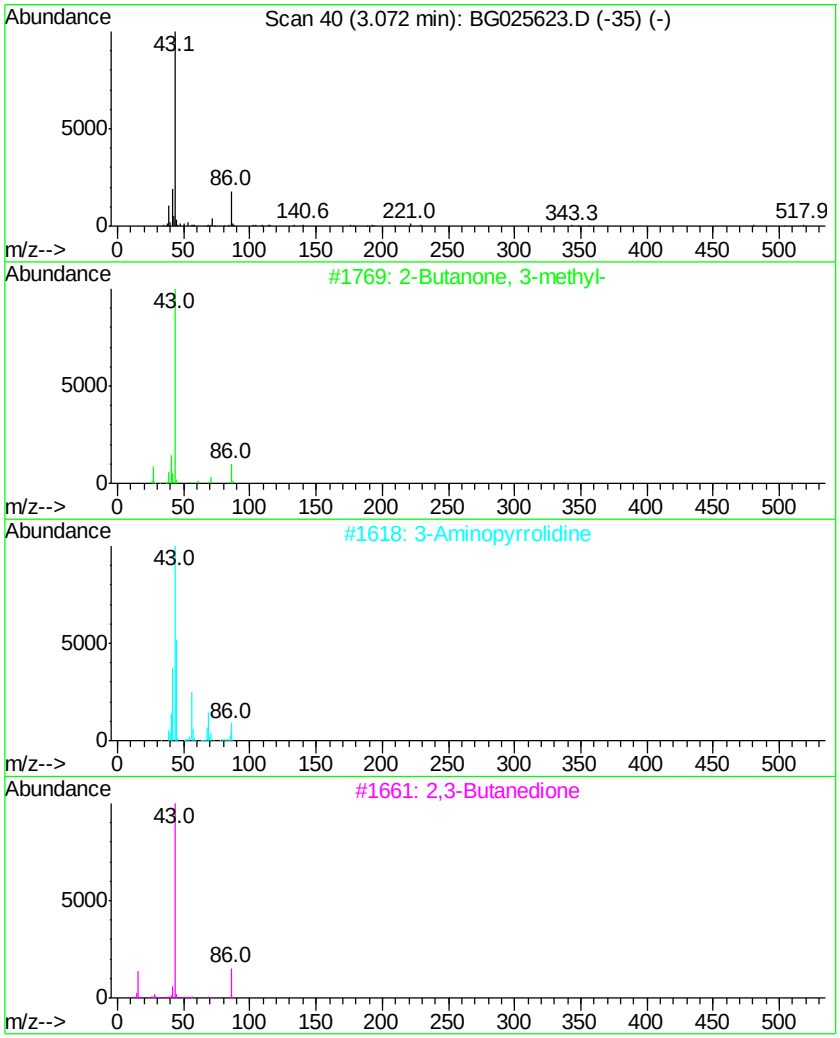
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

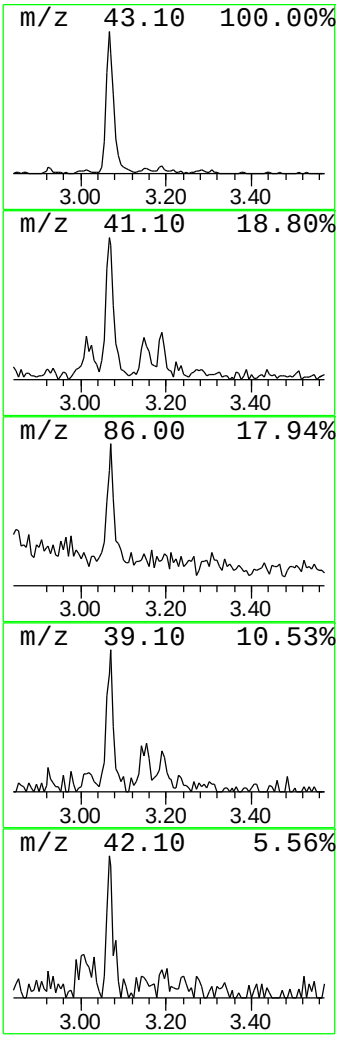
****

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	5.46 ng/ul	173885	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	47
2	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	38
3	2,3-Butanedione	86	C4H6O2	000431-03-8	38
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	27
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

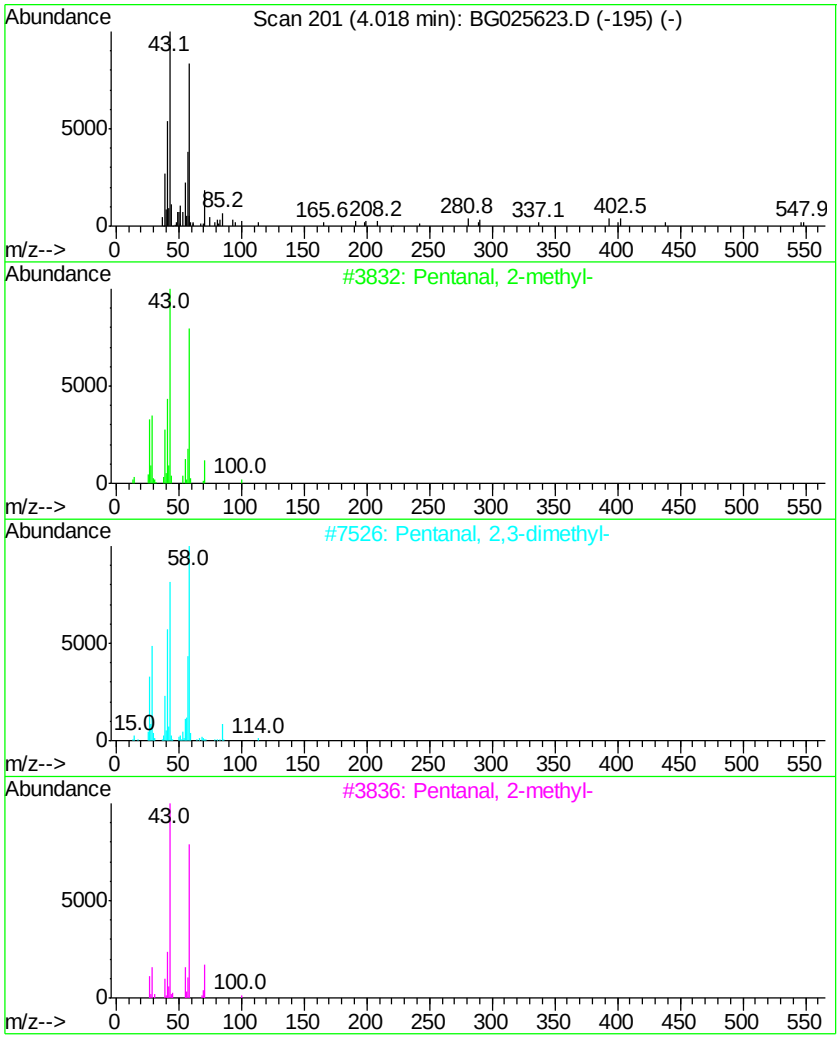
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

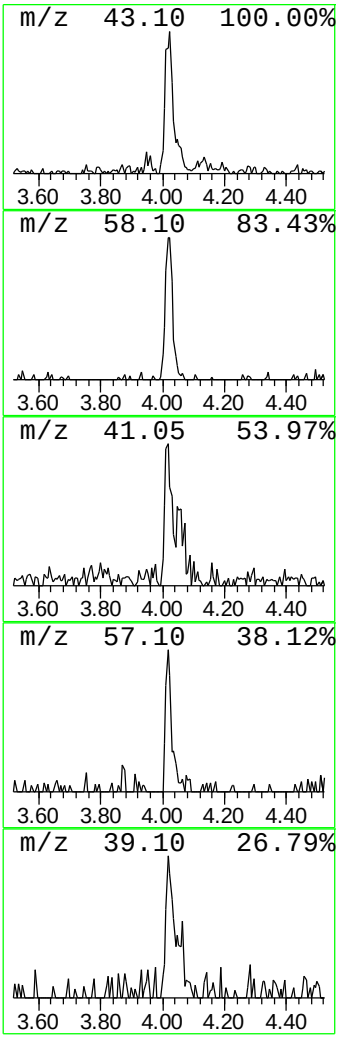
****

Peak Number 2 Pentanal, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	2.49 ng/ul	79332	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	53
2	Pentanal, 2,3-dimethyl-	114	C7H14O	032749-94-3	53
3	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	53
4	1-Propanol, 3-chloro-	94	C3H7ClO	000627-30-5	45
5	Hexanal, 2-methyl-	114	C7H14O	000925-54-2	42





Library Search Compound Report

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Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

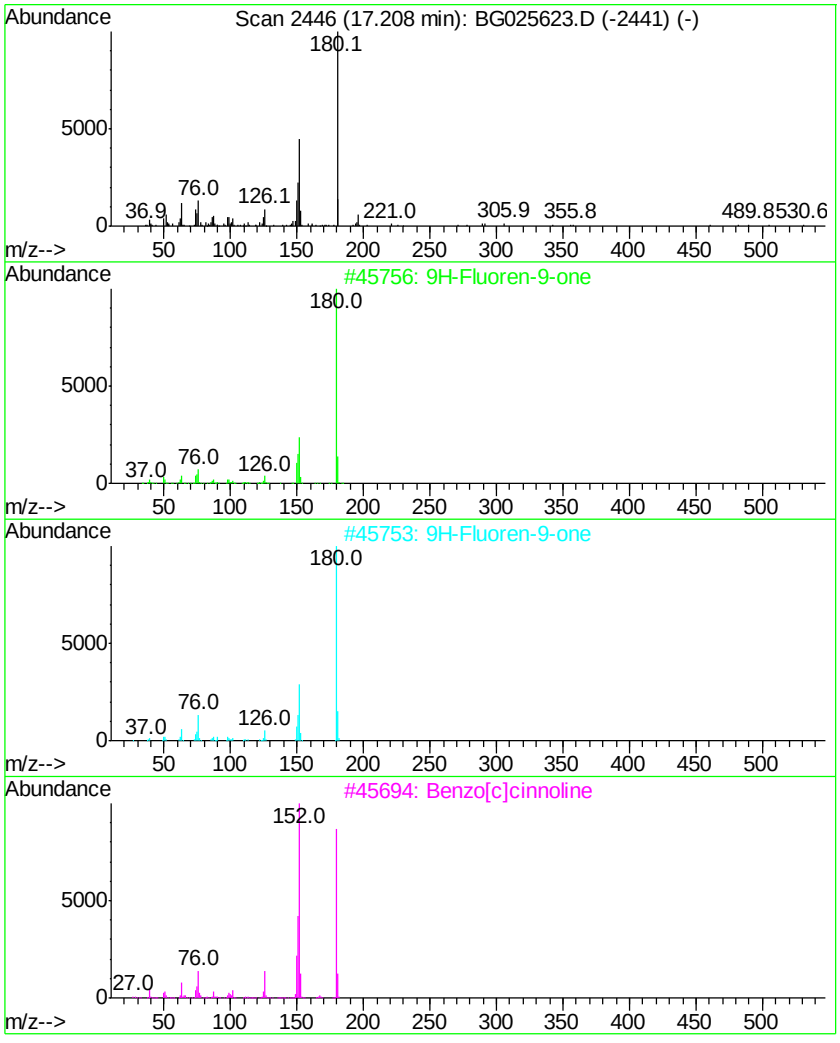
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

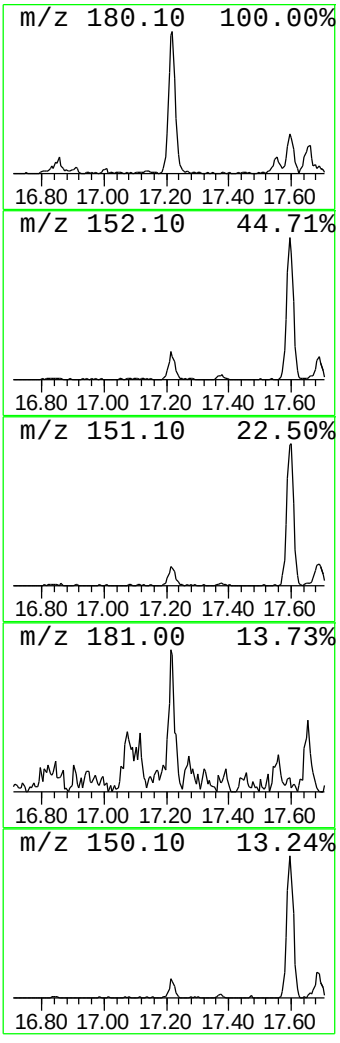
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	2.30 ng/ul	240074	Phenanthrene-d10	17.55

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	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
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Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

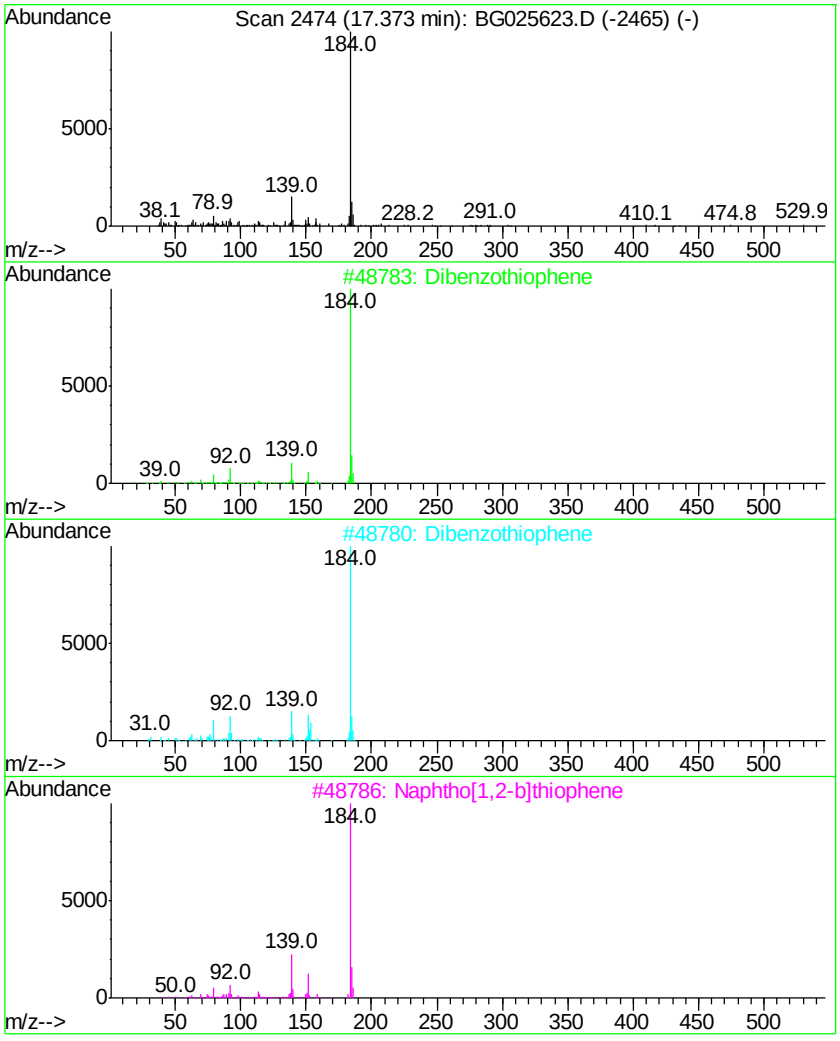
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

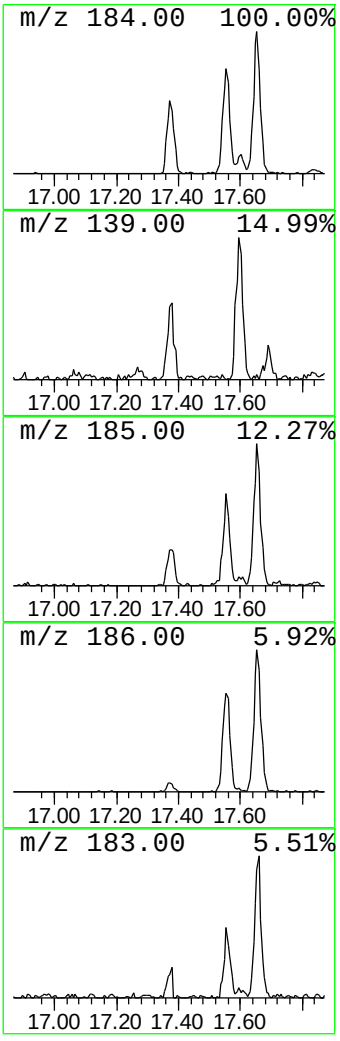
****

Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	2.53 ng/ul	263829	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	87
2	Dibenzothiophene	184	C12H8S	000132-65-0	83
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

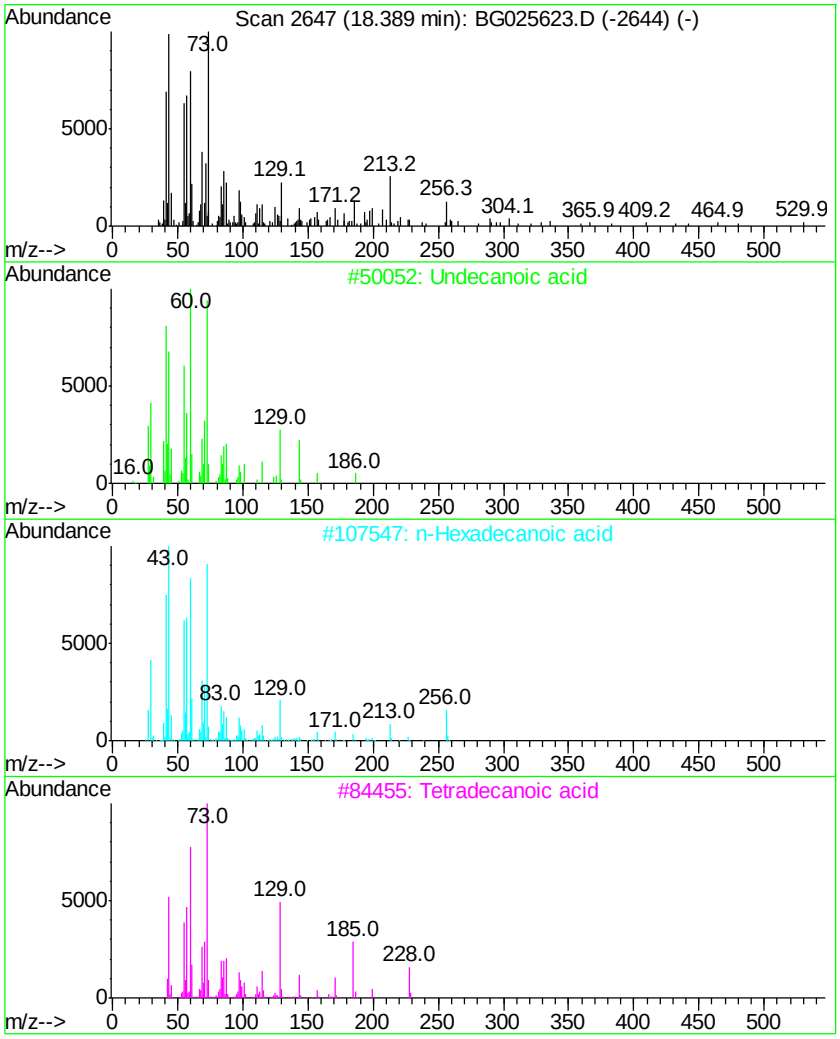
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

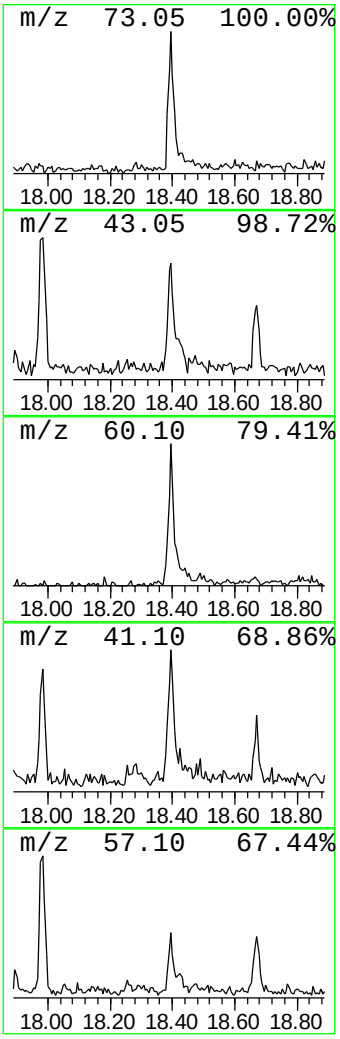
****

Peak Number 5 Undecanoic acid Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.21 ng/ul	230346	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	64
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
4	Octadecanoic acid	284	C18H36O2	000057-11-4	59
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	50





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Sample : I1316-01
Misc :
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Instrument : BNA_G
ClientSampleId : BDNZ3

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Quant Title : SVOA CALIBRATION

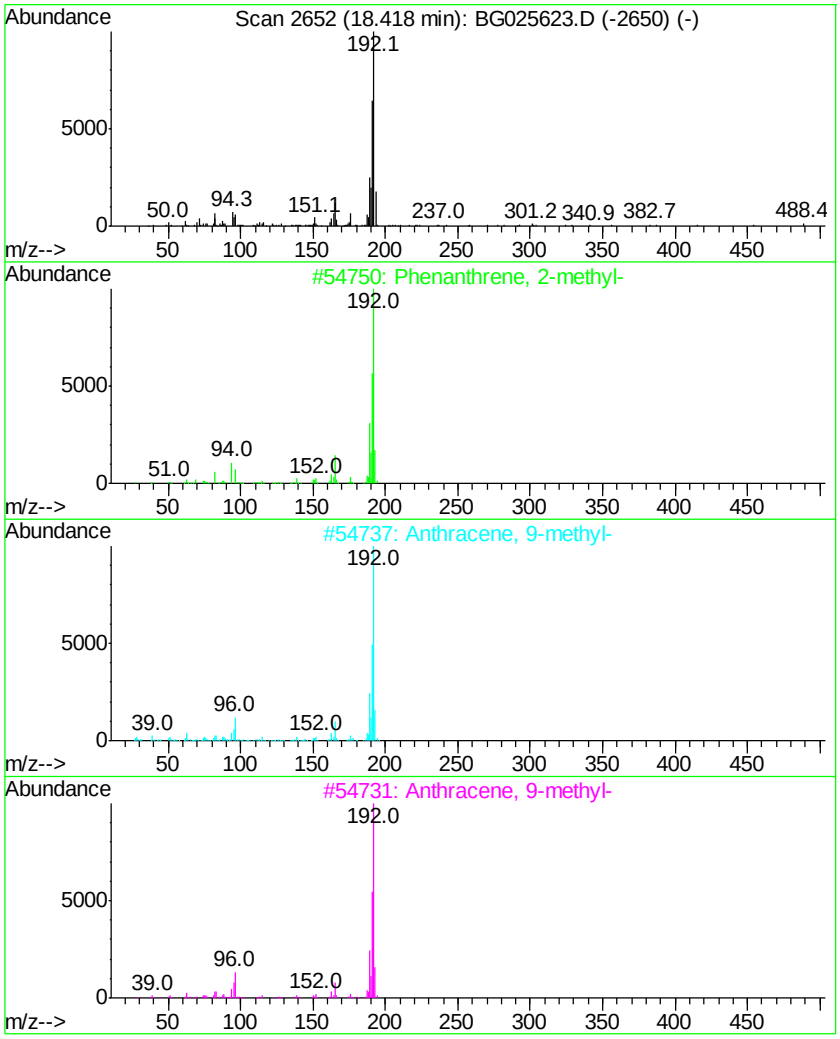
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

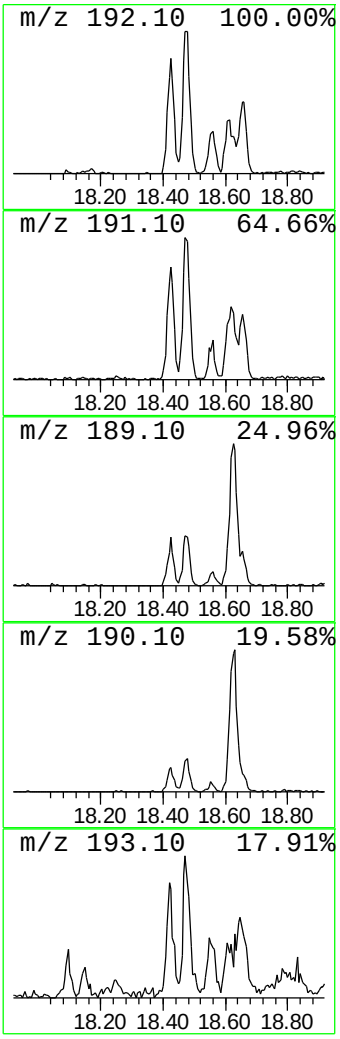
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.92 ng/ul	408385	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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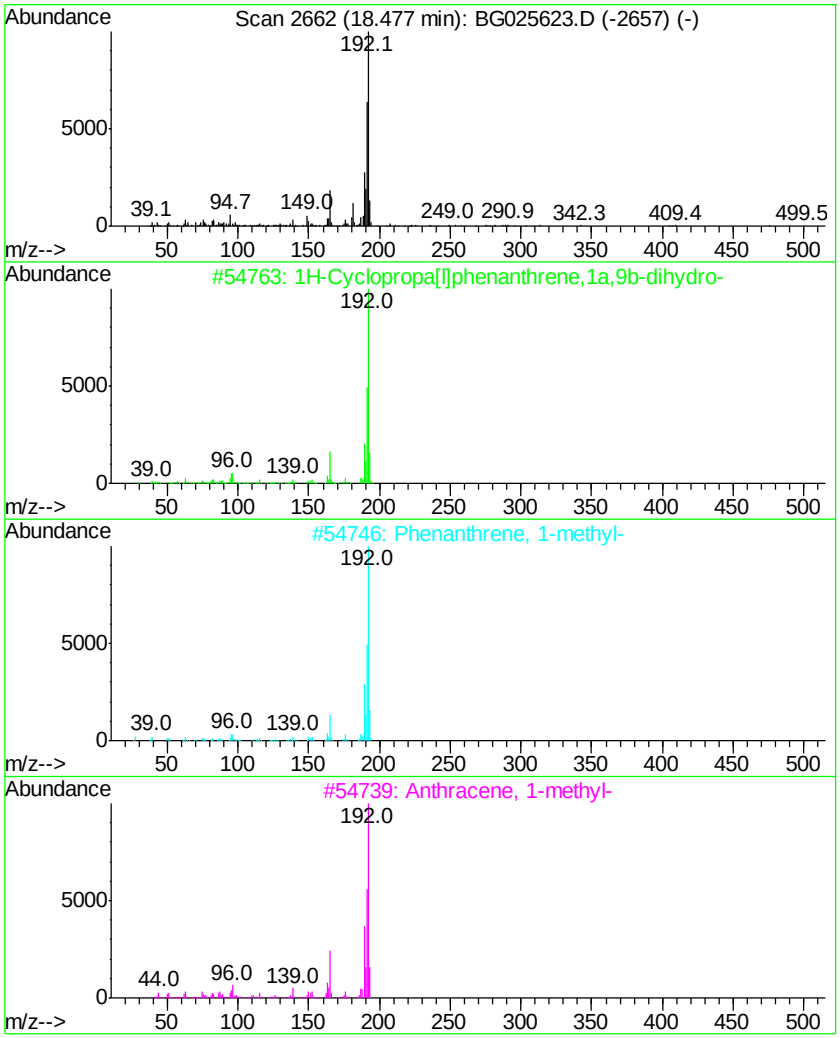
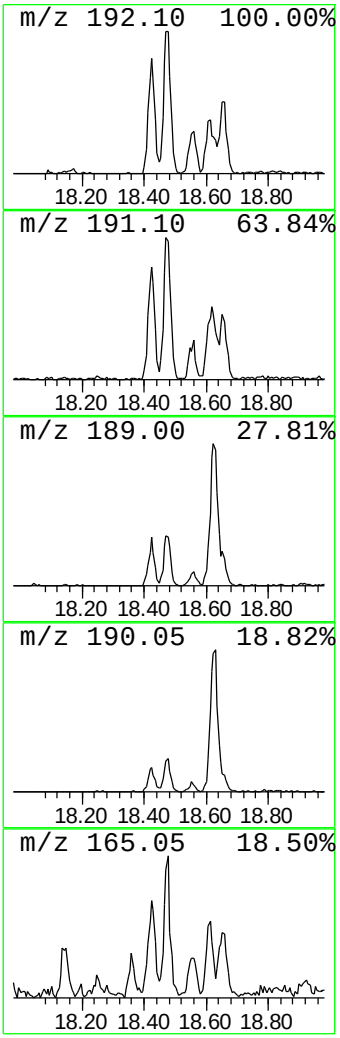
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	5.32 ng/ul	554225	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	76
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76





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Quant Title : SVOA CALIBRATION

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

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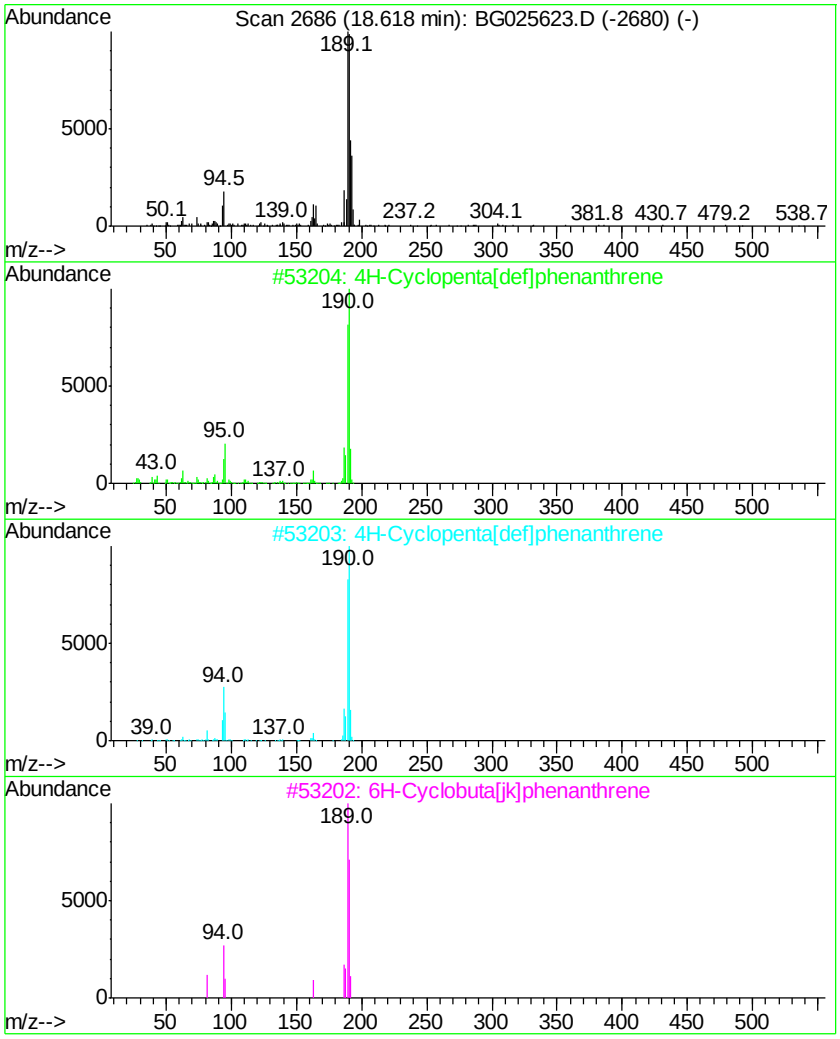
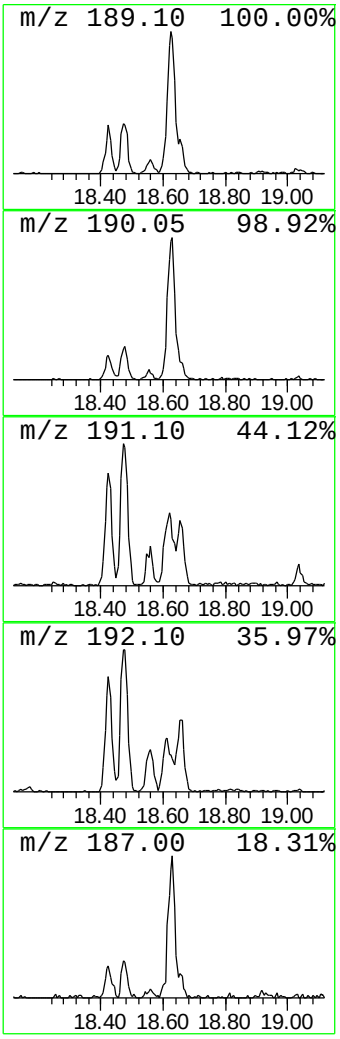
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	6.03 ng/ul	628116	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	42





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ClientSampleId : BDNZ3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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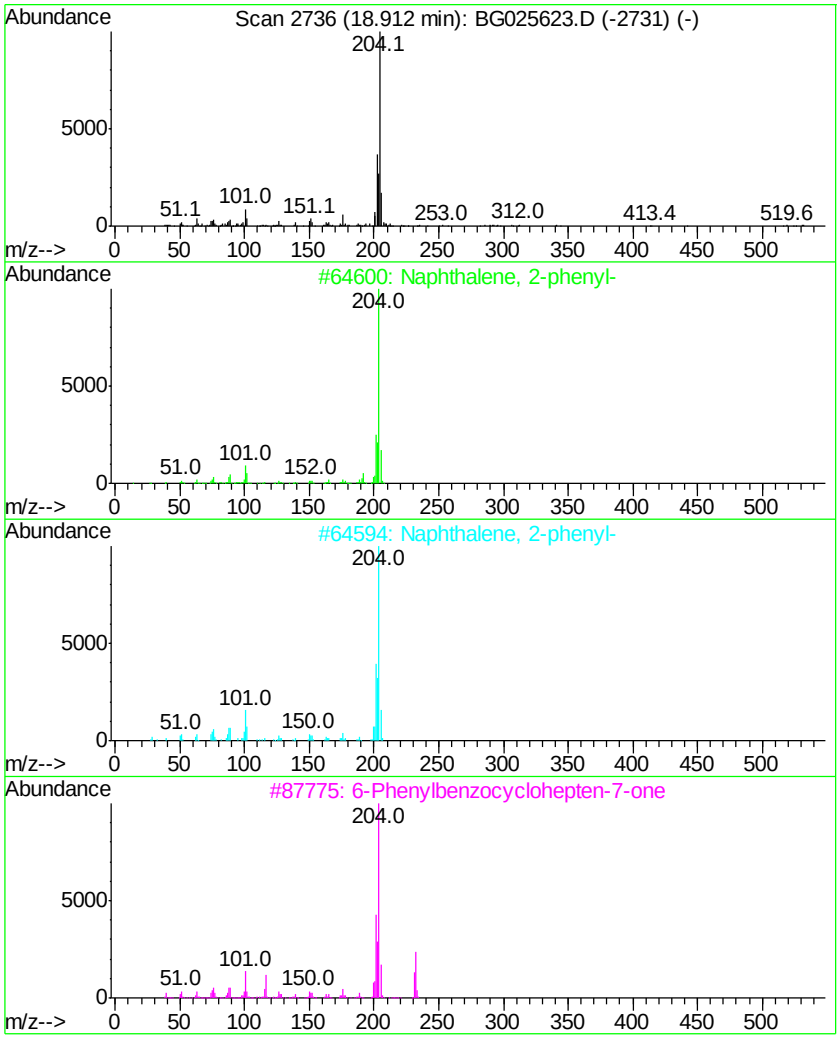
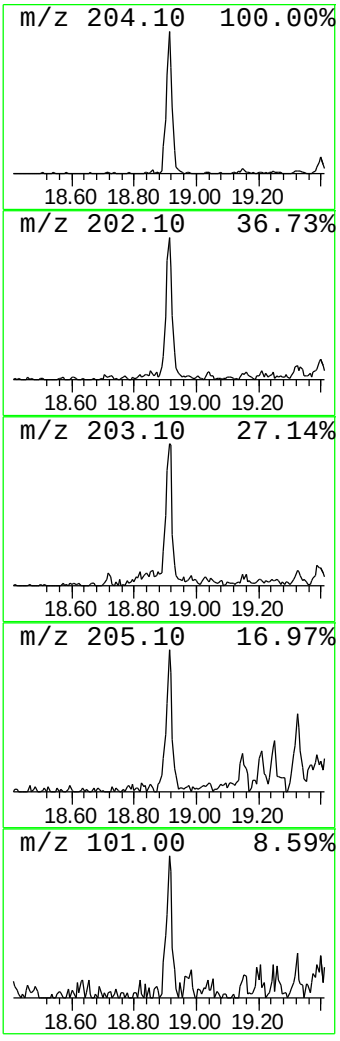
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.84 ng/ul	295896	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	59
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	59





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Quant Title : SVOA CALIBRATION

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

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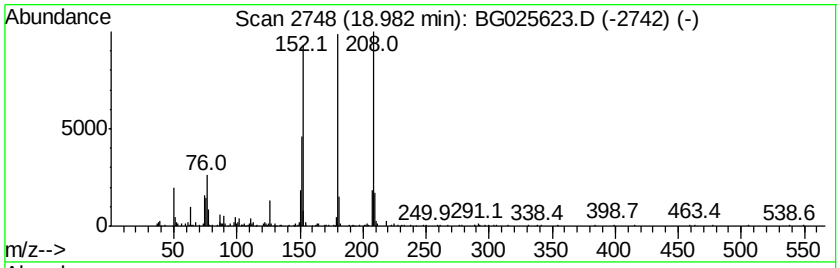
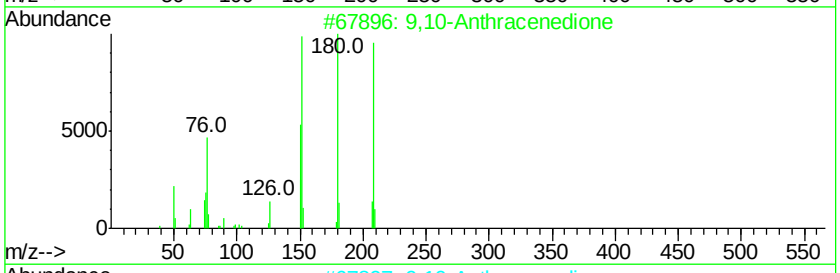
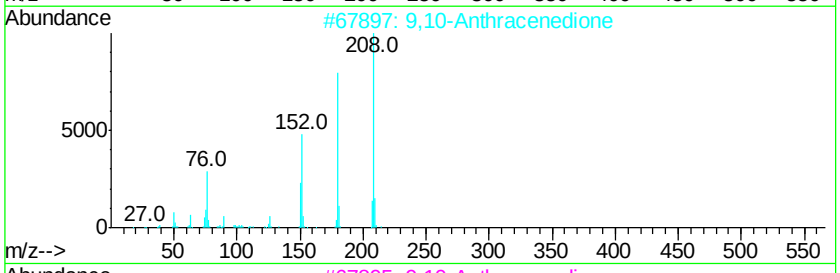
Peak Number 10 9,10-Anthracenedione Concentration Rank 7

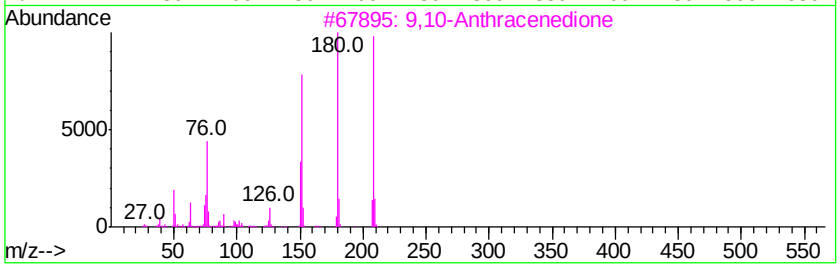
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	4.25 ng/ul	443000	Phenanthrene-d10	17.55

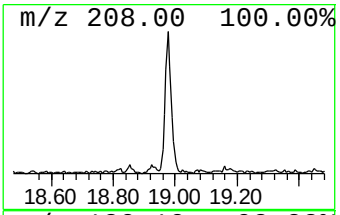
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64

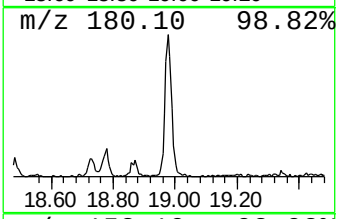


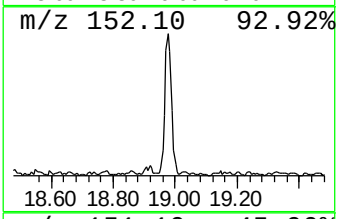


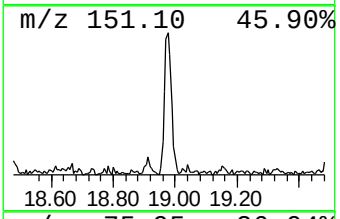


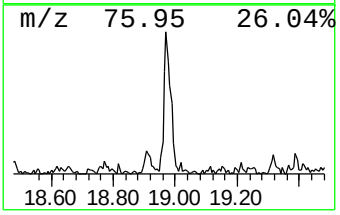












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Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

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Quant Title : SVOA CALIBRATION

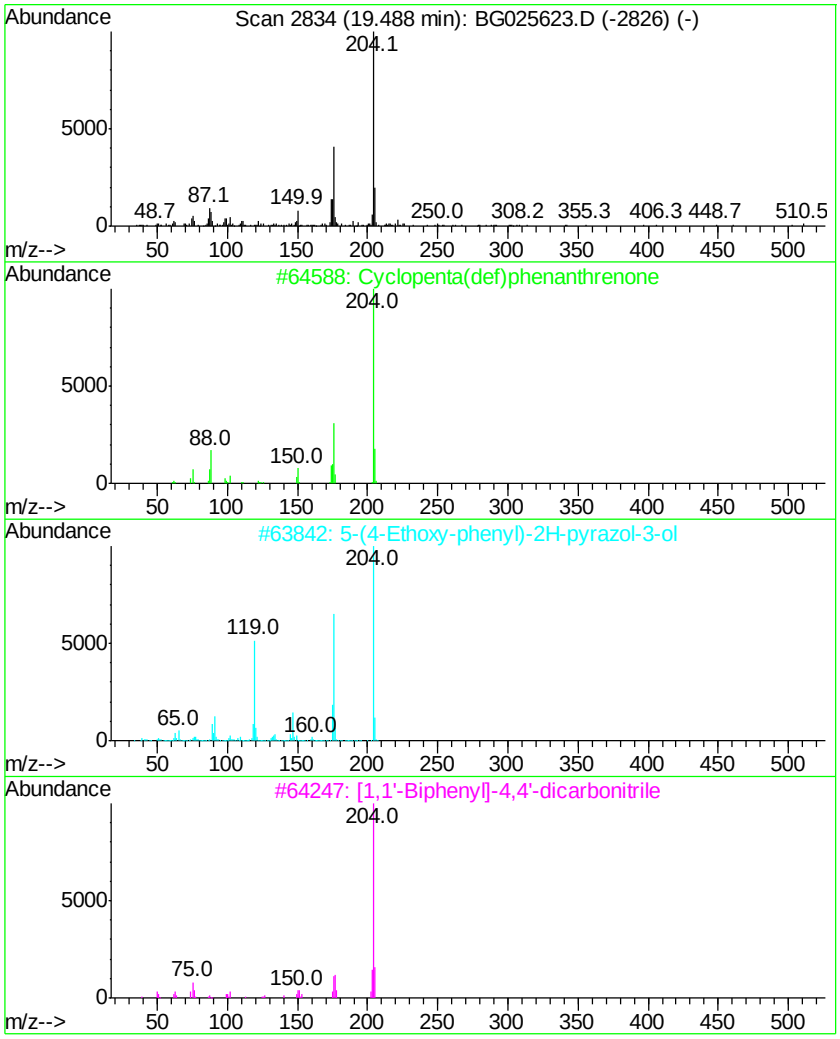
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

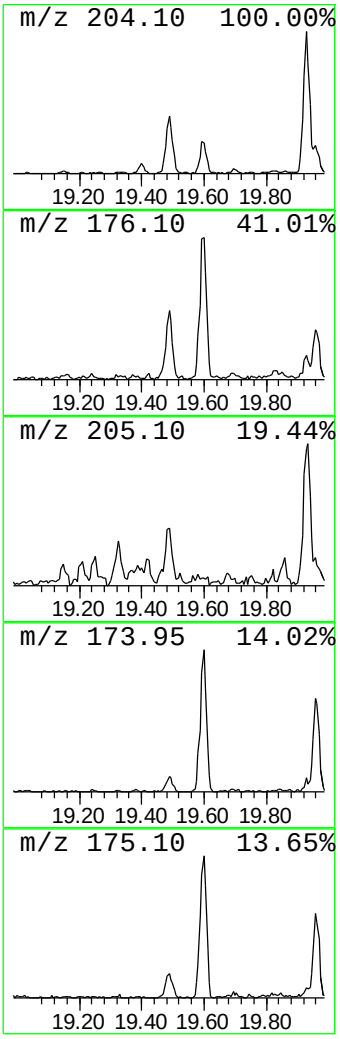
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	2.55 ng/ul	265578	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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Quant Title : SVOA CALIBRATION

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

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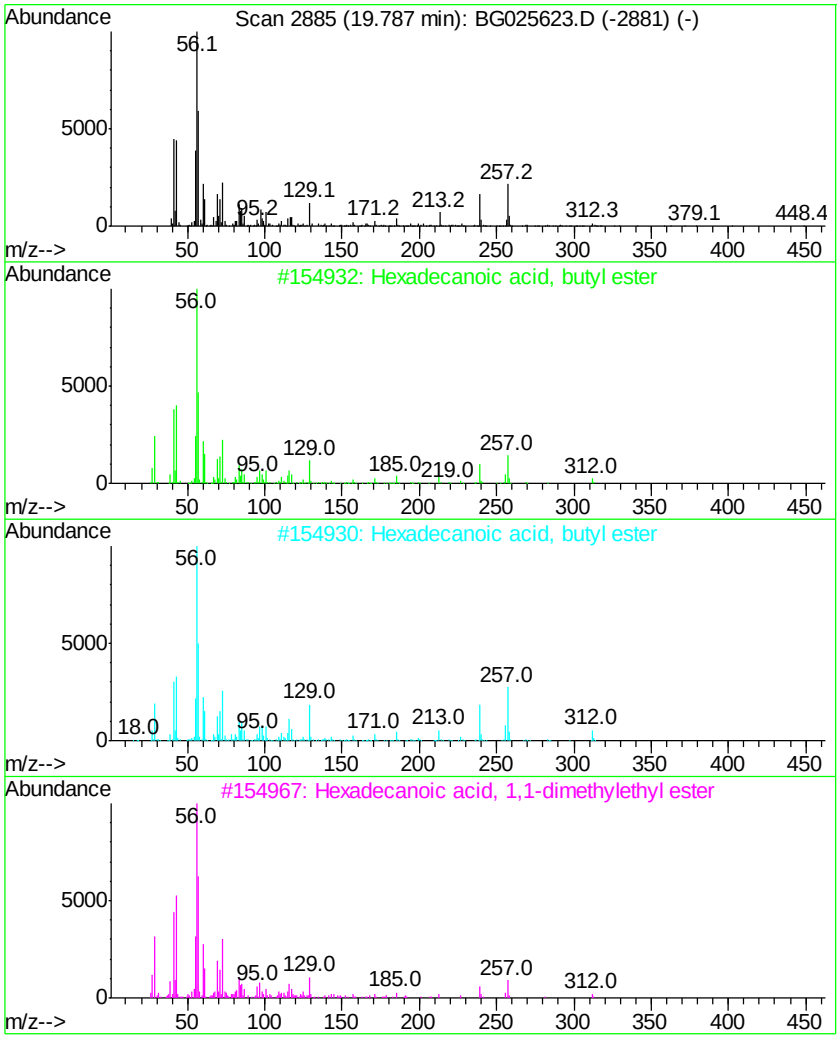
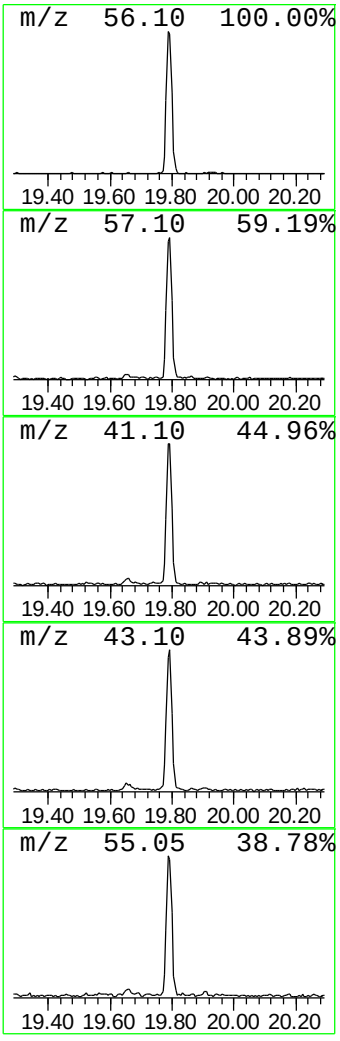
Peak Number 12 Hexadecanoic acid, butyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	5.62 ng/ul	1576810	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	90
4	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	70
5	2-Methyl-1-octadecene	266	C19H38	061868-20-0	42





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Quant Title : SVOA CALIBRATION

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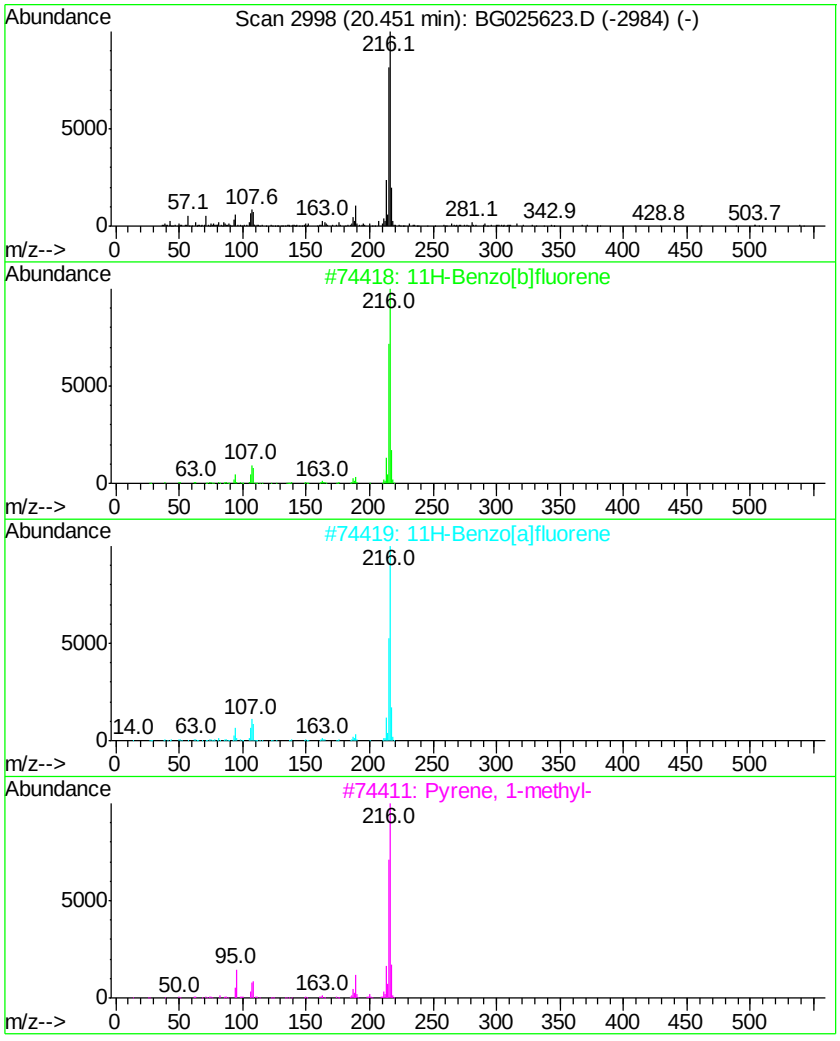
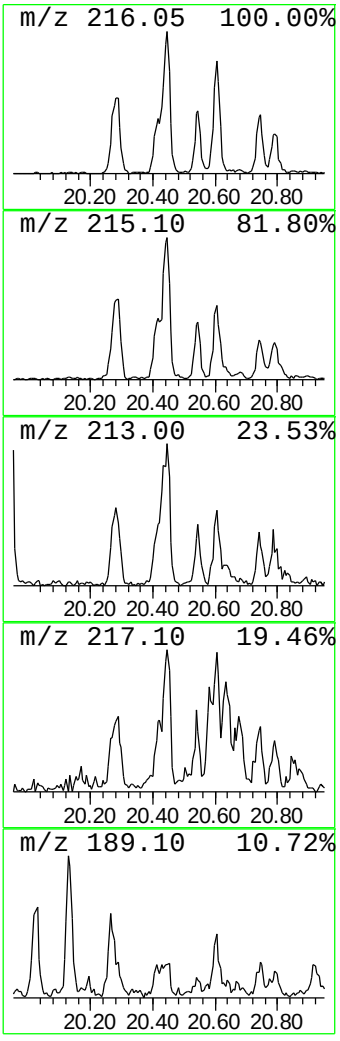
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	2.78 ng/ul	780528	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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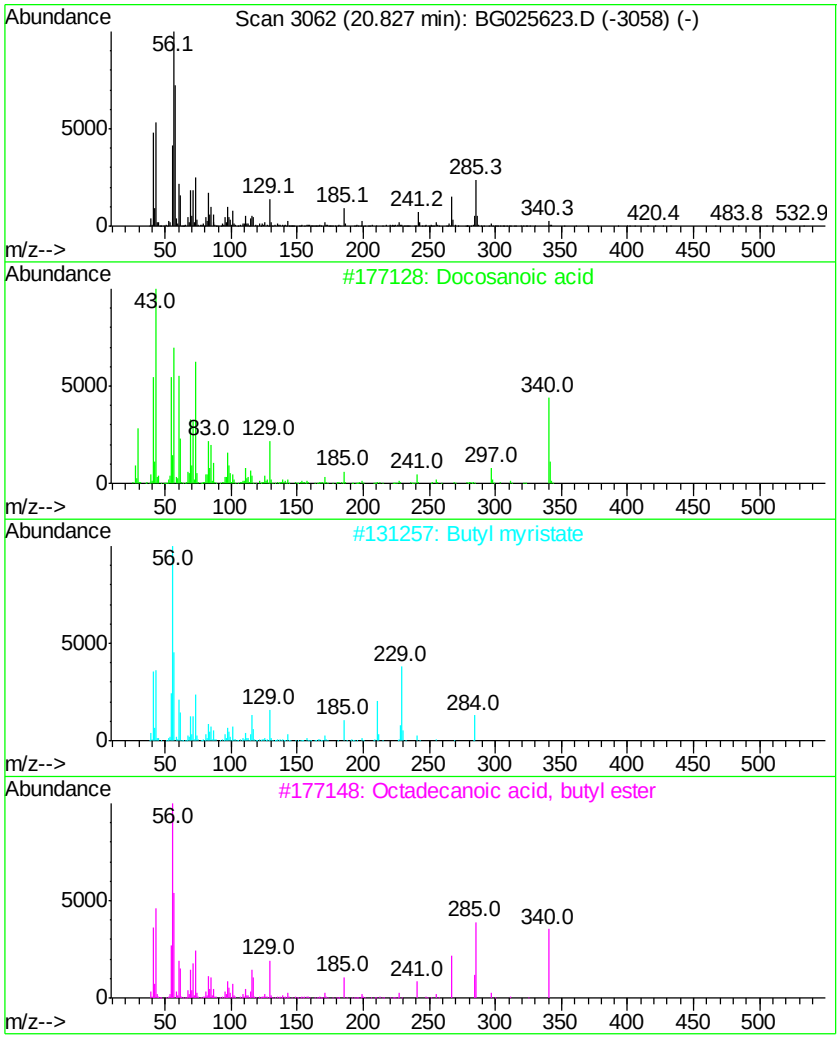
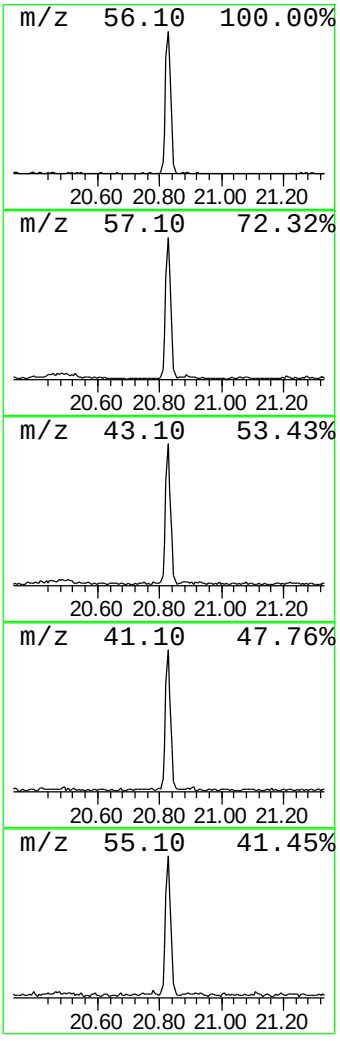
Peak Number 14 Docosanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	4.82 ng/ul	1351300	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosanoic acid	340	C22H44O2	000112-85-6	59
2	Butyl myristate	284	C18H36O2	000110-36-1	59
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	55
4	Docosanoic acid	340	C22H44O2	000112-85-6	43
5	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	41





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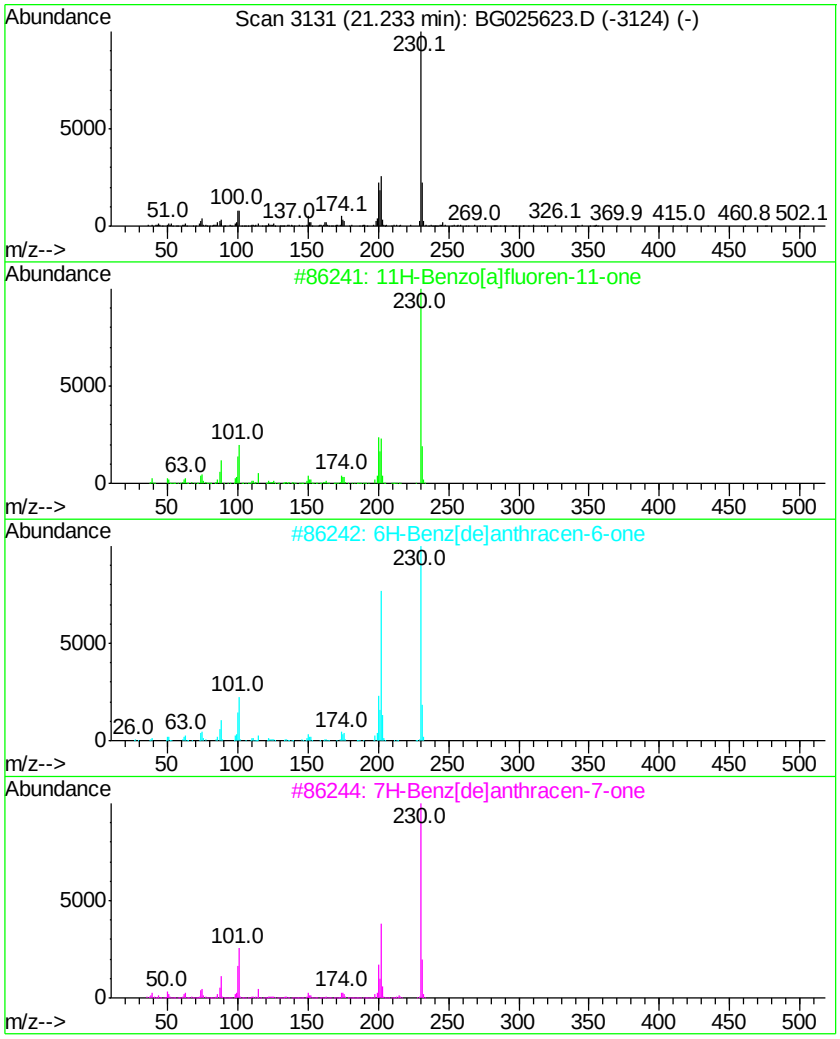
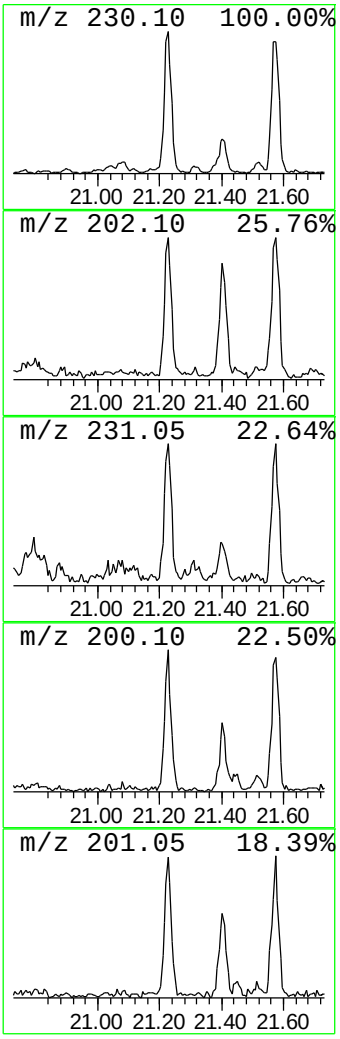
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	2.15 ng/ul	604595	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62





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Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

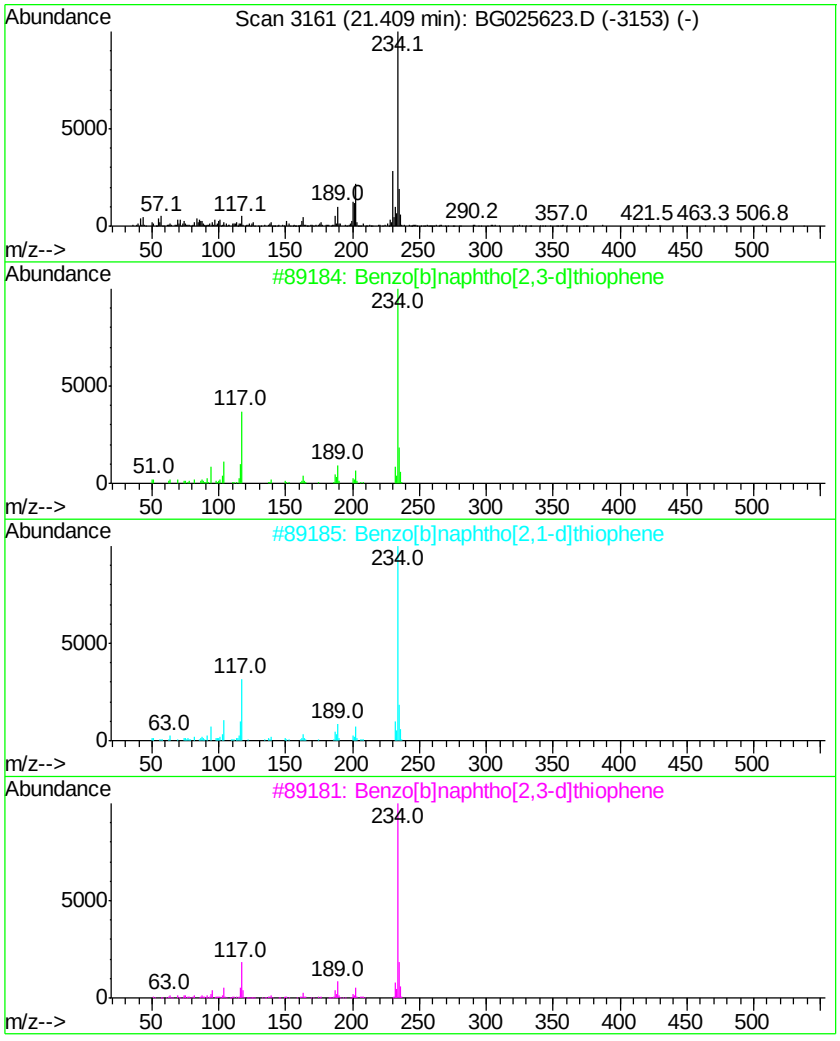
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

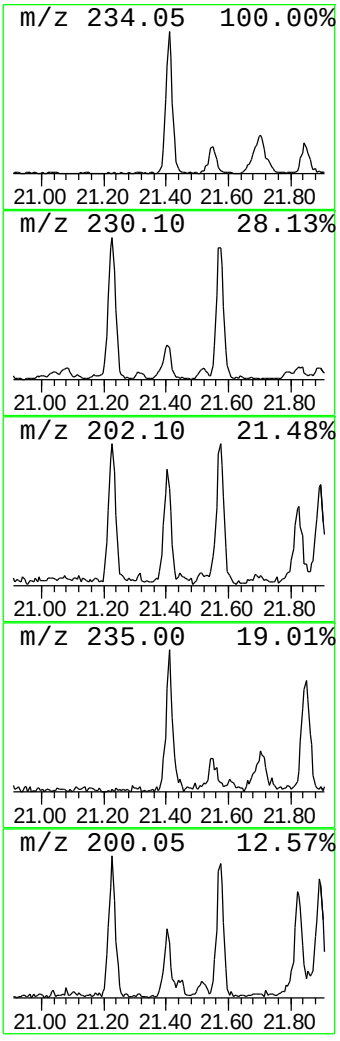
****

Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.62 ng/ul	733898	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

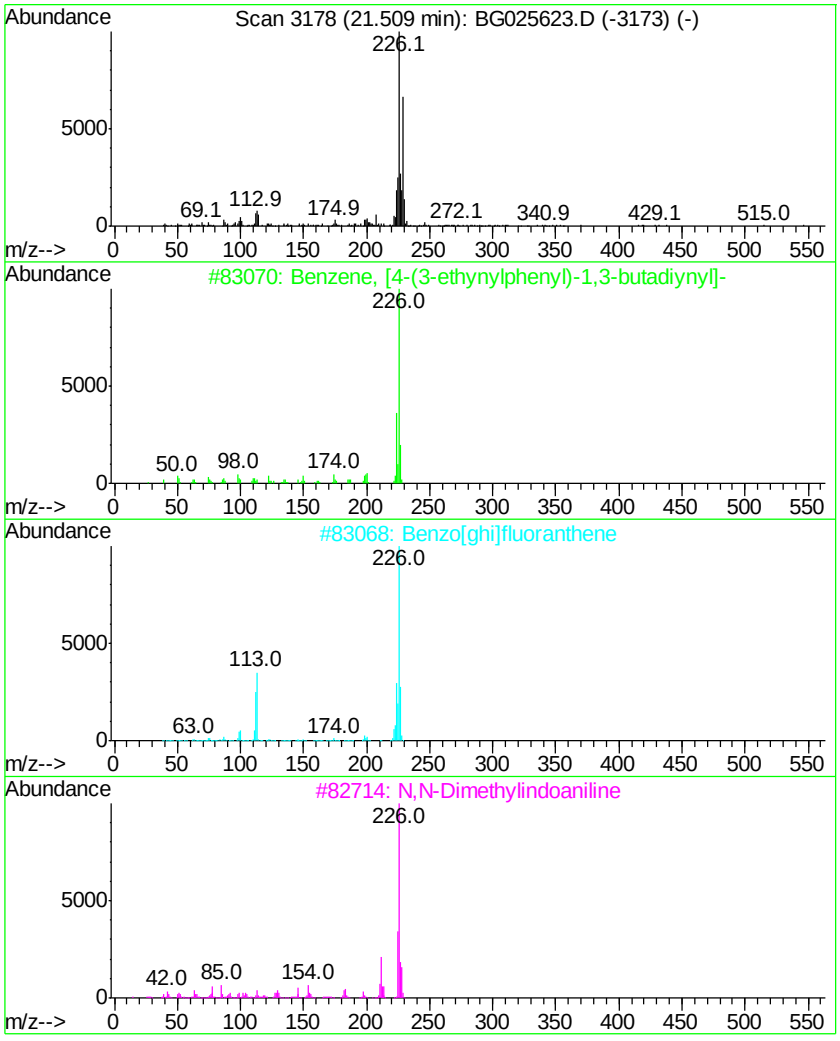
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

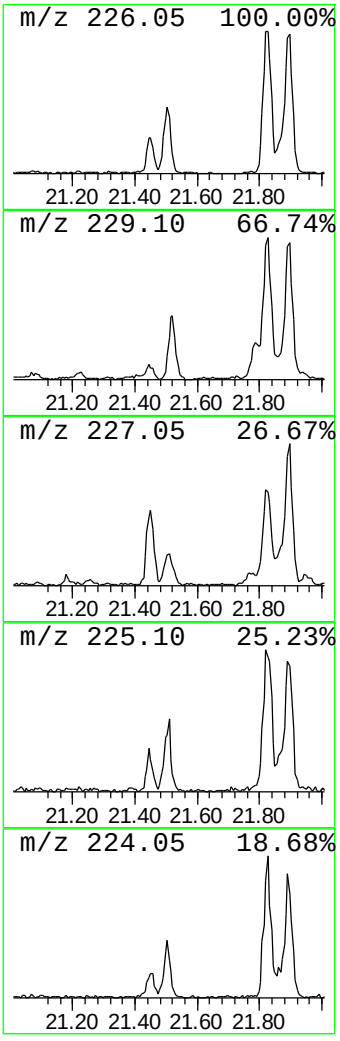
****

Peak Number 17 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	2.00 ng/ul	561587	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	46
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
3	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	43
4	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	37





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Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

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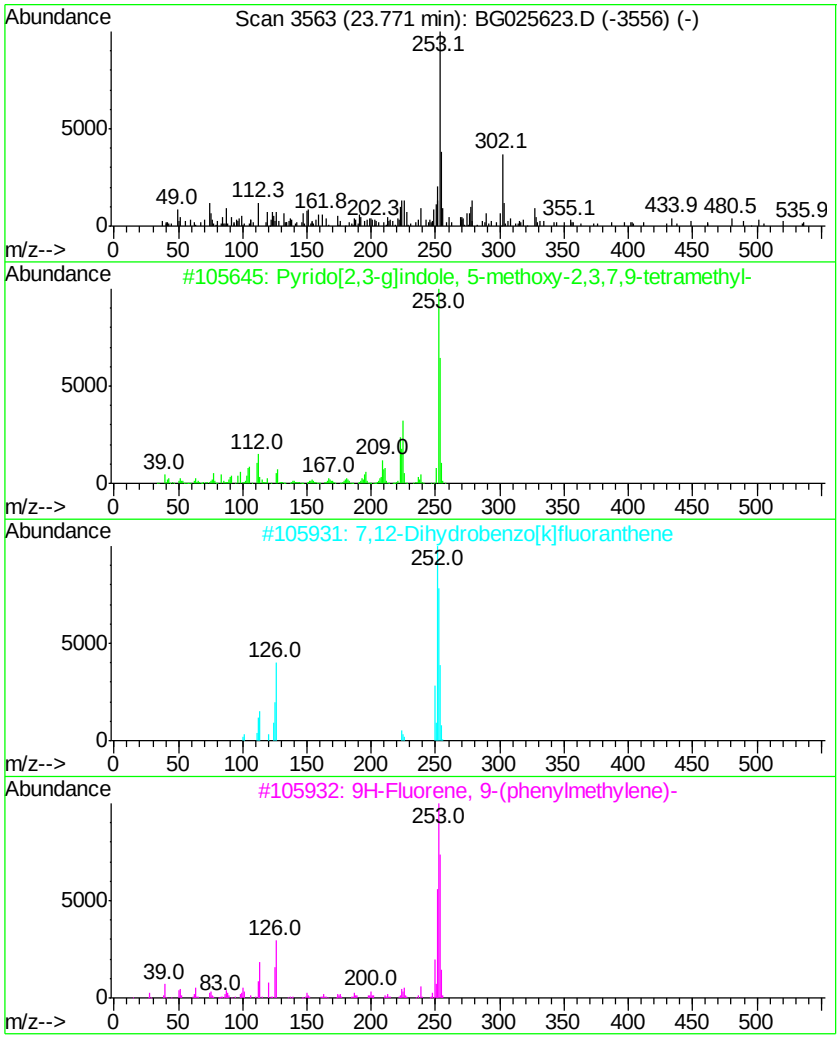
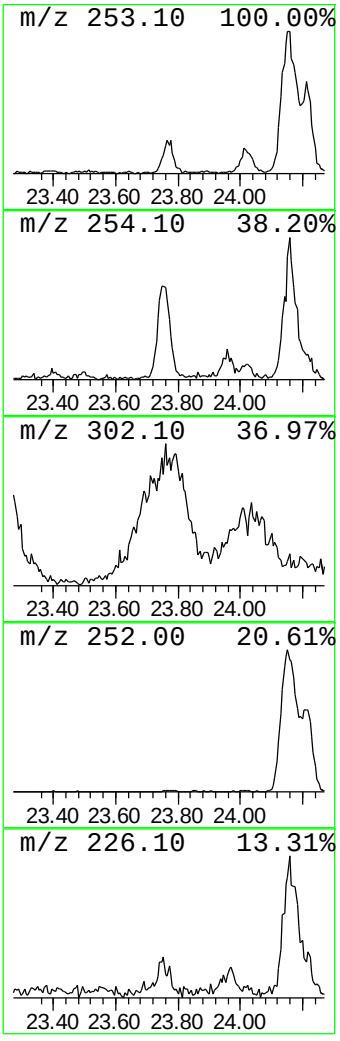
Peak Number 19 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.77	3.63 ng/ul	438408	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	64
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	52
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	50
5	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

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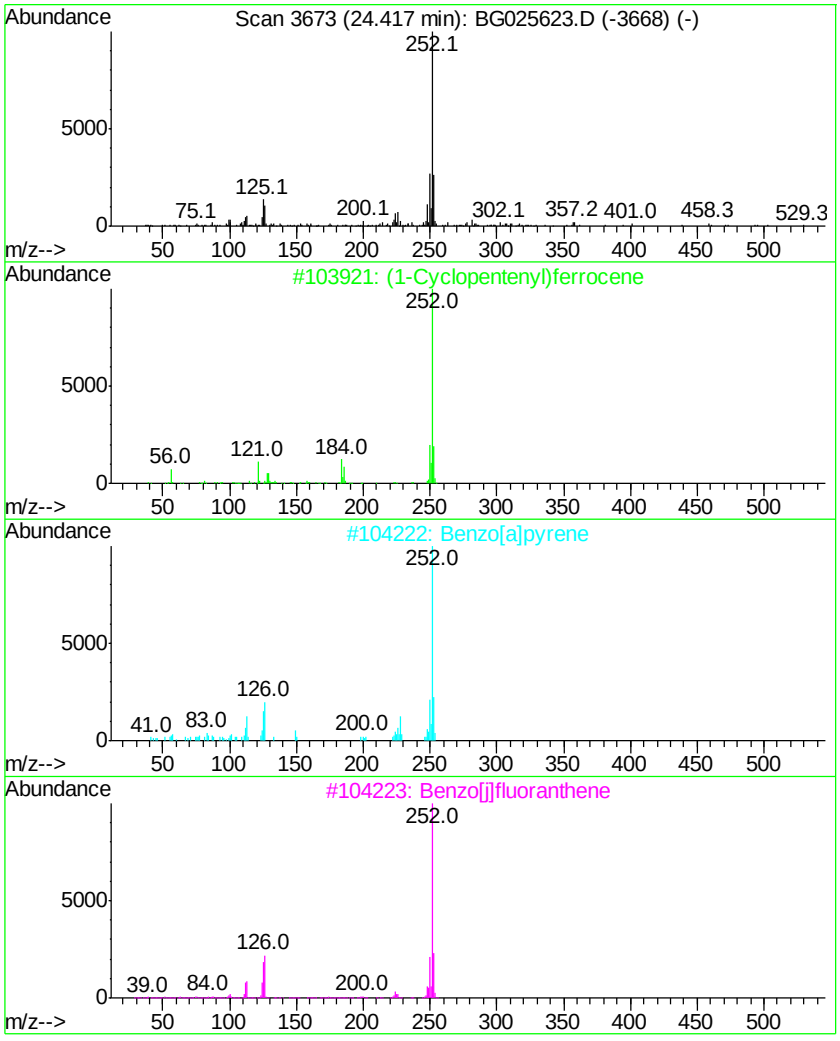
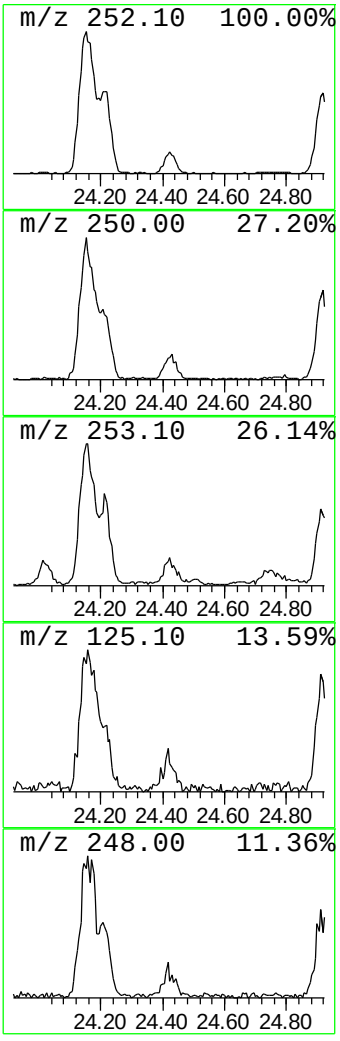
Peak Number 20 (1-Cyclopentenyl)ferrocene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.42	2.20 ng/ul	265823	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	72
2	Benzo[a]pyrene	252	C20H12	000050-32-8	68
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	68
4	Perylene	252	C20H12	000198-55-0	68
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

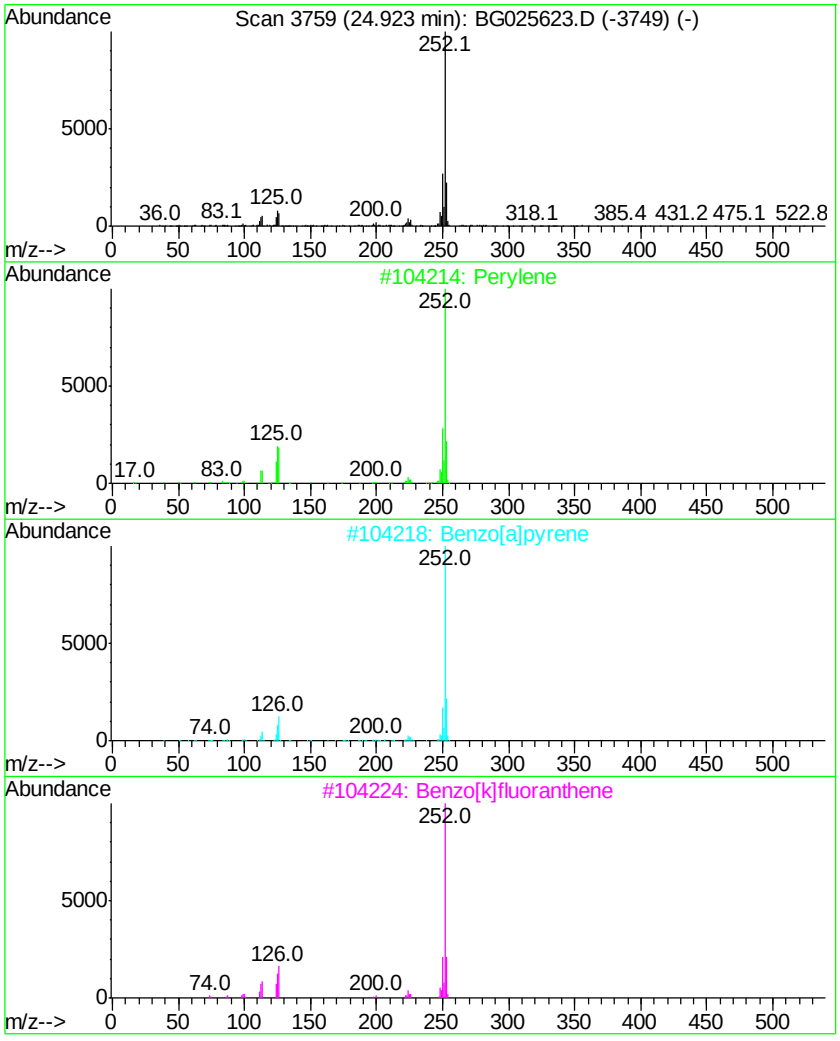
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

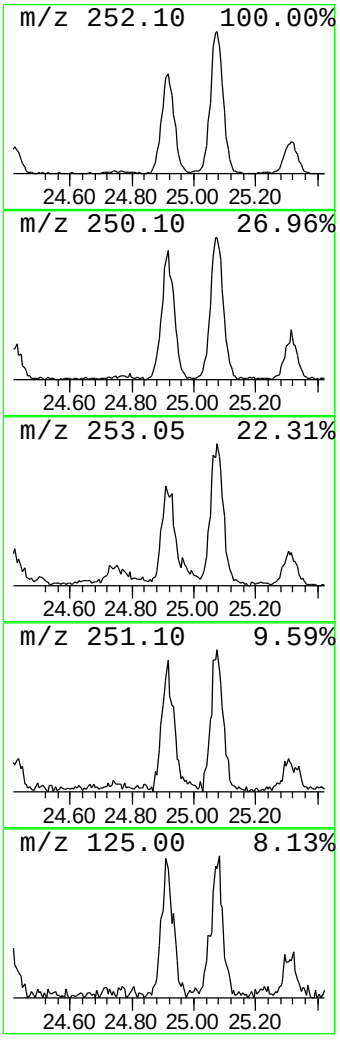
****

Peak Number 21 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.92	8.46 ng/ul	1022550	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[e]pyrene	252	C20H12	000192-97-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

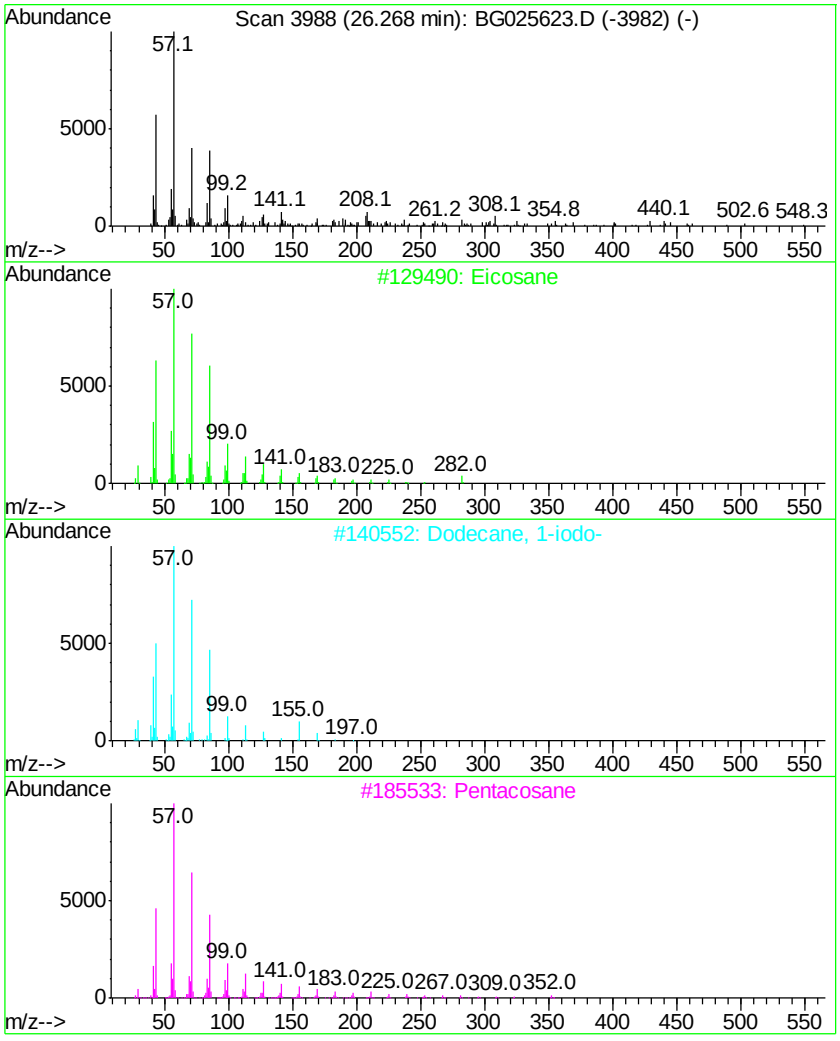
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

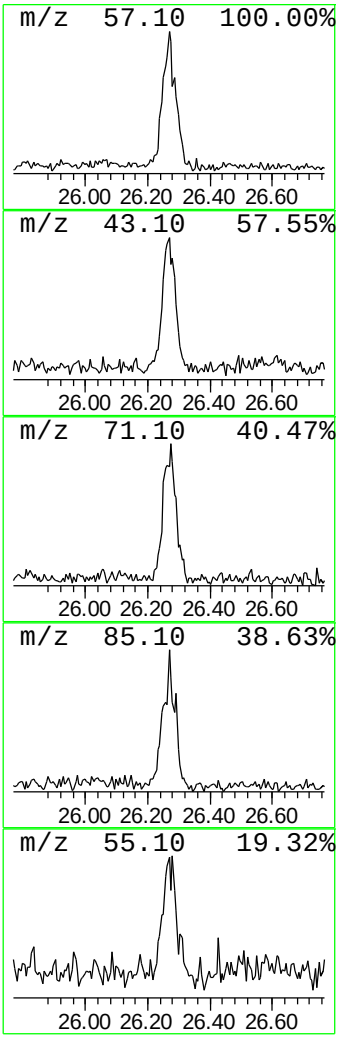
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.27	2.35 ng/ul	283777	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	81
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
3	Pentacosane	352	C25H52	000629-99-2	56
4	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	47
5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

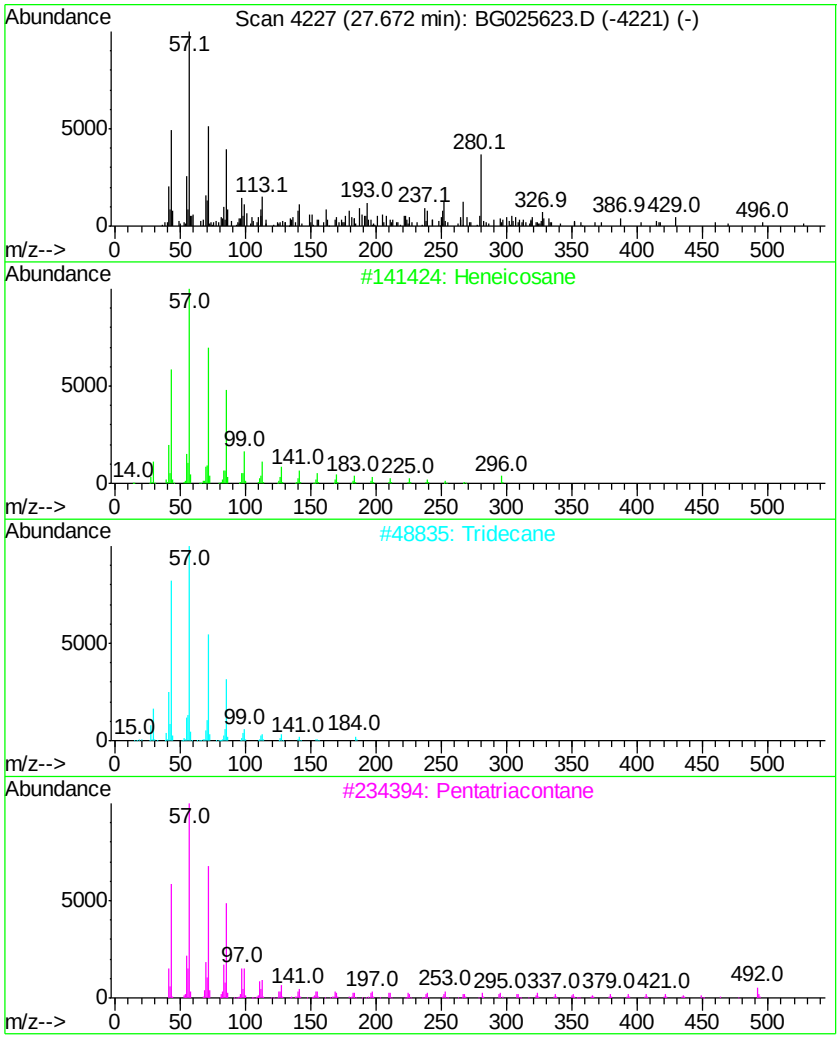
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

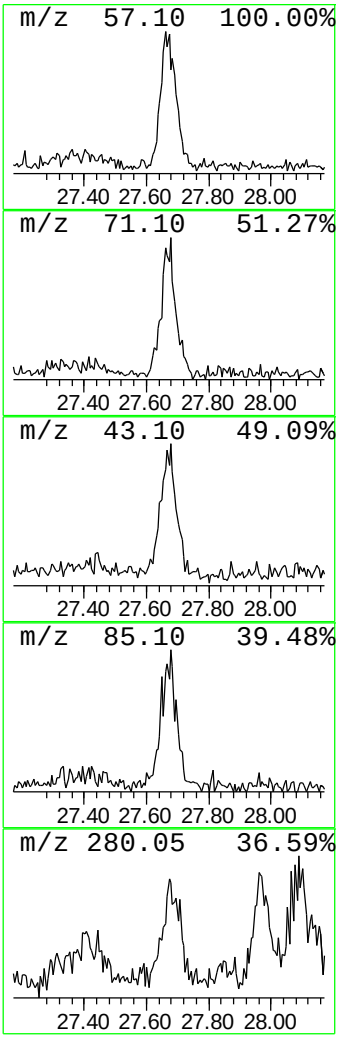
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.67	3.17 ng/ul	382722	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	49
2	Tridecane	184	C13H28	000629-50-5	49
3	Pentatriacontane	493	C35H72	000630-07-9	46
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	46
5	Tetracosane, 1-bromo-	416	C24H49Br	006946-24-3	46





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Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

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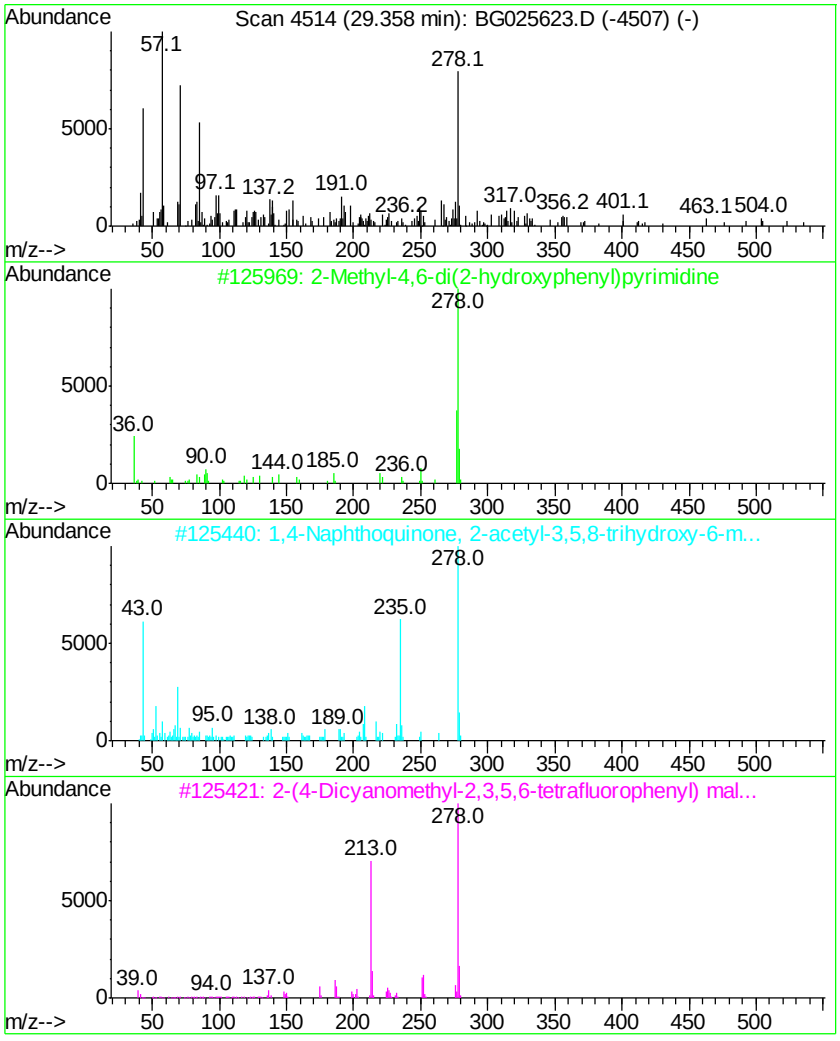
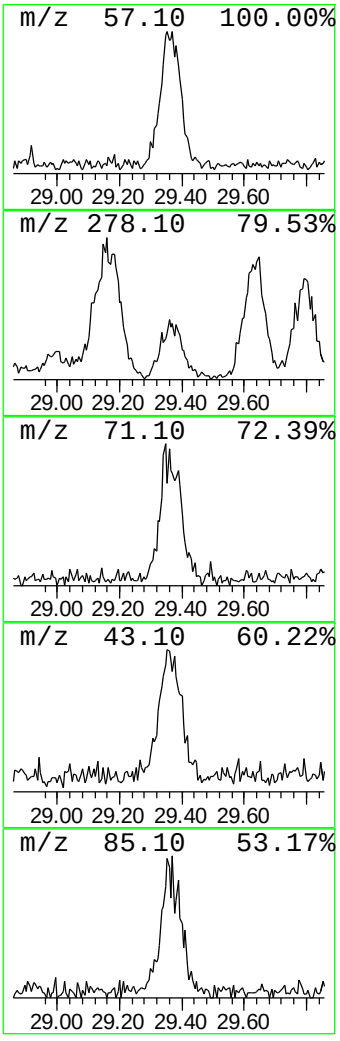
Peak Number 24 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.36	2.70 ng/ul	325896	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4,6-di(2-hydroxyphenyl)...	278	C17H14N2O2	1000070-55-8	49
2	1,4-Naphthoquinone, 2-acetyl-3,5...	278	C13H10O7	015254-72-5	46
3	2-(4-Dicyanomethyl-2,3,5,6-tetra...	278	C12H2F4N4	1000311-66-9	46
4	Pentacene	278	C22H14	000135-48-8	46
5	4-Phosphaspiro[2.4]hept-5-ene, 4...	278	C19H19P	1000161-67-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012417\
Data File : BG025623.D
Acq On : 25 Jan 2017 1:06
Operator : UM/SJ
Sample : I1316-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDNZ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.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
unknown-01	3.07	5.5	ng/ul	173885	1	8.18	636992	20.0
Pentanal, 2-methyl-	4.02	2.5	ng/ul	79332	1	8.18	636992	20.0
9H-Fluoren-9-one	17.21	2.3	ng/ul	240074	4	17.55	2083260	20.0
Dibenzothiophene	17.37	2.5	ng/ul	263829	4	17.55	2083260	20.0
Undecanoic acid	18.39	2.2	ng/ul	230346	4	17.55	2083260	20.0
Phenanthrene, 2-m...	18.42	3.9	ng/ul	408385	4	17.55	2083260	20.0
1H-Cyclopropa[l]p...	18.48	5.3	ng/ul	554225	4	17.55	2083260	20.0
4H-Cyclopenta[def...	18.62	6.0	ng/ul	628116	4	17.55	2083260	20.0
Naphthalene, 2-ph...	18.91	2.8	ng/ul	295896	4	17.55	2083260	20.0
9,10-Anthracenedione	18.98	4.3	ng/ul	443000	4	17.55	2083260	20.0
Cyclopenta(def)ph...	19.49	2.5	ng/ul	265578	4	17.55	2083260	20.0
Hexadecanoic acid...	19.79	5.6	ng/ul	1576810	5	21.84	5611950	20.0
11H-Benzo[b]fluorene	20.45	2.8	ng/ul	780528	5	21.84	5611950	20.0
Docosanoic acid	20.83	4.8	ng/ul	1351300	5	21.84	5611950	20.0
11H-Benzo[a]fluor...	21.23	2.1	ng/ul	604595	5	21.84	5611950	20.0
Benzo[b]naphtho[2...	21.41	2.6	ng/ul	733898	5	21.84	5611950	20.0
unknown-02	21.51	2.0	ng/ul	561587	5	21.84	5611950	20.0
Pyrido[2,3-g]indo...	23.77	3.6	ng/ul	438408	6	25.23	2416800	20.0
(1-Cyclopentenyl)...	24.42	2.2	ng/ul	265823	6	25.23	2416800	20.0
Perylene	24.92	8.5	ng/ul	1022550	6	25.23	2416800	20.0
(DEL) Alkane: Str...	26.27	2.4	ng/ul	283777	6	25.23	2416800	20.0
(DEL) Alkane: Str...	27.67	3.2	ng/ul	382722	6	25.23	2416800	20.0
unknown-03	29.36	2.7	ng/ul	325896	6	25.23	2416800	20.0