LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.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	3.261	66	72	83	rBV	64443	118572	1.82%	0.161%
2	3.355	83	88	101	rVB2	30123	67388	1.03%	0.092%
3	4.108	210	216	224	rVV2	57714	106013	1.62%	0.144%
4	7.327	757	764	774	rBV	168783	344625	5.28%	0.469%
5	7.504	786	794	803	rBV	153909	300998	4.61%	0.410%
6	7.709	821	829	839	rBV	194849	394074	6.03%	0.537%
7	8.185	898	910	923	rBV	193539	418221	6.40%	0.569%
8	8.878	1022	1028	1040	rBV	201971	409856	6.28%	0.558%
9	9.348	1101	1108	1129	rVB	160061	380743	5.83%	0.518%
10	10.077	1223	1232	1244	rBV2	110855	256037	3.92%	0.349%
11	10.618	1313	1324	1333	rVV	237265	512179	7.84%	0.697%
12	10.999	1376	1389	1396	rBV	350574	735039	11.26%	1.001%
13	11.140	1406	1413	1424	rBV	64784	174682	2.68%	0.238%
14	12.321	1607	1614	1622	rBV3	88138	167423	2.56%	0.228%
15	12.645	1663	1669	1677	rVB	19430	37179	0.57%	0.051%
16	12.856	1697	1705	1713	rVV	19188	41326	0.63%	0.056%
17	13.614	1827	1834	1837	rBV2	18945	32897	0.50%	0.045%
18	13.978	1888	1896	1903	rBV4	12759	36387	0.56%	0.050%
19	14.119	1915	1920	1926	rBV2	29733	59985	0.92%	0.082%
20	14.202	1926	1934	1939	rVV	507037	866705	13.27%	1.180%
21	14.249	1939	1942	1948	rVV	97287	158743	2.43%	0.216%
22	14.319	1948	1954	1965	rVV	326404	587039	8.99%	0.799%
23	14.495	1977	1984	1996	rBV	685794	1266751	19.40%	1.725%
24	14.678	2010	2015	2020	rVB3	35718	53355	0.82%	0.073%
25	14.801	2023	2036	2043	rBV2	560822	1037372	15.89%	1.412%
26	14.866	2043	2047	2054	rVB	73077	128982	1.98%	0.176%
27	14.989	2062	2068	2080	rBV	82124	249179	3.82%	0.339%
28	15.195	2097	2103	2111	rVB3	36682	76647	1.17%	0.104%
29	15.412	2135	2140	2144	rVV3	17394	32238	0.49%	0.044%
30	15.582	2162	2169	2172	rBV2	26538	47184	0.72%	0.064%
31	15.623	2172	2176	2181	rVB	58477	85845	1.31%	0.117%
32	15.788	2195	2204	2210	rBV	862170	1510355	23.13%	2.056%
33	15.841	2210	2213	2218	rVV2	88205	144986	2.22%	0.197%
34	15.900	2218	2223	2230	rVB	112606	179119	2.74%	0.244%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Title : SVOA CALIBRATION

35	16.017	2238	2243	2244	rBV5	22839	34924	0.53%	0.048%
36	16.135	2258	2263	2268	rVB	38592	70455	1.08%	0.096%
37	16.282	2284	2288	2296	rVV	35213	79583	1.22%	0.108%
38	16.487	2318	2323	2326	rBV2	80195	143893	2.20%	0.196%
39	16.846	2374	2384	2388	rBV6	47386	129233	1.98%	0.176%
40	16.887	2388	2391	2397	rVB4	20785	37263	0.57%	0.051%
41	16.992	2405	2409	2415	rVB5	22002	33569	0.51%	0.046%
42	17.069	2415	2422	2426	rBV5	45500	97505	1.49%	0.133%
43	17.198	2439	2444	2451	rBV2	86498	160132	2.45%	0.218%
44	17.274	2451	2457	2464	rBV3	75608	160663	2.46%	0.219%
45	17.363	2464	2472	2477	rVB	64180	121245	1.86%	0.165%
46	17.545	2496	2503	2506	rBV	615425	1085744	16.63%	1.478%
47	17.586	2506	2510	2515	rVB	1505180	2318804	35.51%	3.157%
48	17.645	2515	2520	2524	rBV	746519	1194063	18.29%	1.626%
49	17.944	2564	2571	2580	rBV	168164	405688	6.21%	0.552%
50	18.015	2580	2583	2587	rVV2	42864	65340	1.00%	0.089%
51	18.062	2587	2591	2596	rVV2	46838	84152	1.29%	0.115%
52	18.121	2597	2601	2609	rVB4	48136	98899	1.51%	0.135%
53	18.338	2635	2638	2643	rBV4	18291	31551	0.48%	0.043%
54	18.414	2645	2651	2655	rBV	336247	563443	8.63%	0.767%
55	18.461	2655	2659	2668	rVB2	331574	629080	9.63%	0.857%
56	18.544	2668	2673	2678	rVB2	64268	101201	1.55%	0.138%
57	18.608	2678	2684	2689	rBV2	381744	828070	12.68%	1.127%
58	18.708	2697	2701	2706	rBV4	60363	109872	1.68%	0.150%
59	18.755	2706	2709	2714	rVV3	30940	47545	0.73%	0.065%
60	18.908	2730	2735	2738	rBV	182565	286714	4.39%	0.390%
61	18.949	2738	2742	2751	rVB	275013	454935	6.97%	0.619%
62	19.149	2772	2776	2780	rBV3	64098	97319	1.49%	0.133%
63	19.196	2781	2784	2788	rVV	70999	107127	1.64%	0.146%
64	19.237	2788	2791	2795	rVB2	56274	71372	1.09%	0.097%
65	19.319	2800	2805	2810	rBV	185242	331625	5.08%	0.452%
66	19.384	2811	2816	2819	rBV3	55649	111347	1.71%	0.152%
67	19.466	2825	2830	2837	rVB2	204101	371033	5.68%	0.505%
68	19.589	2844	2851	2857	rBV	3885047	6529929	100.00%	8.891%
69	19.642	2858	2860	2863	rVV	60609	76359	1.17%	0.104%
70	19.678	2863	2866	2872	rVB3	131794	204225	3.13%	0.278%
71	19.777	2879	2883	2886	rBV3	69473	104534	1.60%	0.142%

LSC Area Percent Report

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Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Title : SVOA CALIBRATION

72	19.830	2889	2892	2901	rVB	130895	248257	3.80%	0.338%
73	19.924	2901	2908	2909	rBV2	1600346	2674234	40.95%	3.641%
74	19.954	2909	2913	2919	rVV	3040884	5028941	77.01%	6.847%
75	20.012	2919	2923	2929	rVB2	182114	300516	4.60%	0.409%
76	20.118	2937	2941	2947	rVB	139928	220852	3.38%	0.301%
77	20.183	2947	2952	2958	rVB	171741	291894	4.47%	0.397%
78	20.271	2960	2967	2972	rBV3	291911	744366	11.40%	1.013%
79	20.430	2983	2994	3000	rBV2	539838	1292410	19.79%	1.760%
80	20.529	3007	3011	3015	rBV	247776	402470	6.16%	0.548%
81	20.588	3015	3021	3026	rVV2	272064	552278	8.46%	0.752%
82	20.729	3041	3045	3049	rBV	191913	286288	4.38%	0.390%
83	20.776	3049	3053	3058	rVB	148236	229596	3.52%	0.313%
84	21.205	3121	3126	3133	rVB	466344	766229	11.73%	1.043%
85	21.393	3151	3158	3163	rBV3	436549	1027431	15.73%	1.399%
86	21.440	3163	3166	3170	rVV2	385781	628796	9.63%	0.856%
87	21.493	3170	3175	3180	rVV2	381756	826270	12.65%	1.125%
88	21.552	3180	3185	3198	rVB	489159	1017911	15.59%	1.386%
89	21.699	3205	3210	3216	rVB2	378051	641088	9.82%	0.873%
90	21.816	3219	3230	3237	rVV3	2283256	6237253	95.52%	8.492%
91	21.881	3237	3241	3254	rVB	1781384	3457260	52.94%	4.707%
92	22.034	3263	3267	3273	rVB	183679	342413	5.24%	0.466%
93	22.251	3298	3304	3310	rBV3	291549	634726	9.72%	0.864%
94	22.868	3404	3409	3414	rBV2	239042	551448	8.44%	0.751%
95	24.119	3611	3622	3630	rBV3	1516897	5844764	89.51%	7.958%
96	24.378	3660	3666	3677	rVB	223017	597793	9.15%	0.814%
97	24.871	3741	3750	3758	rBV	718371	2346164	35.93%	3.194%
98	25.024	3769	3776	3789	rVB	1104960	3475541	53.22%	4.732%
99	25.177	3794	3802	3809	rBV	393493	1187610	18.19%	1.617%
100	29.025	4444	4457	4483	rVB3	532447	3195535	48.94%	4.351%

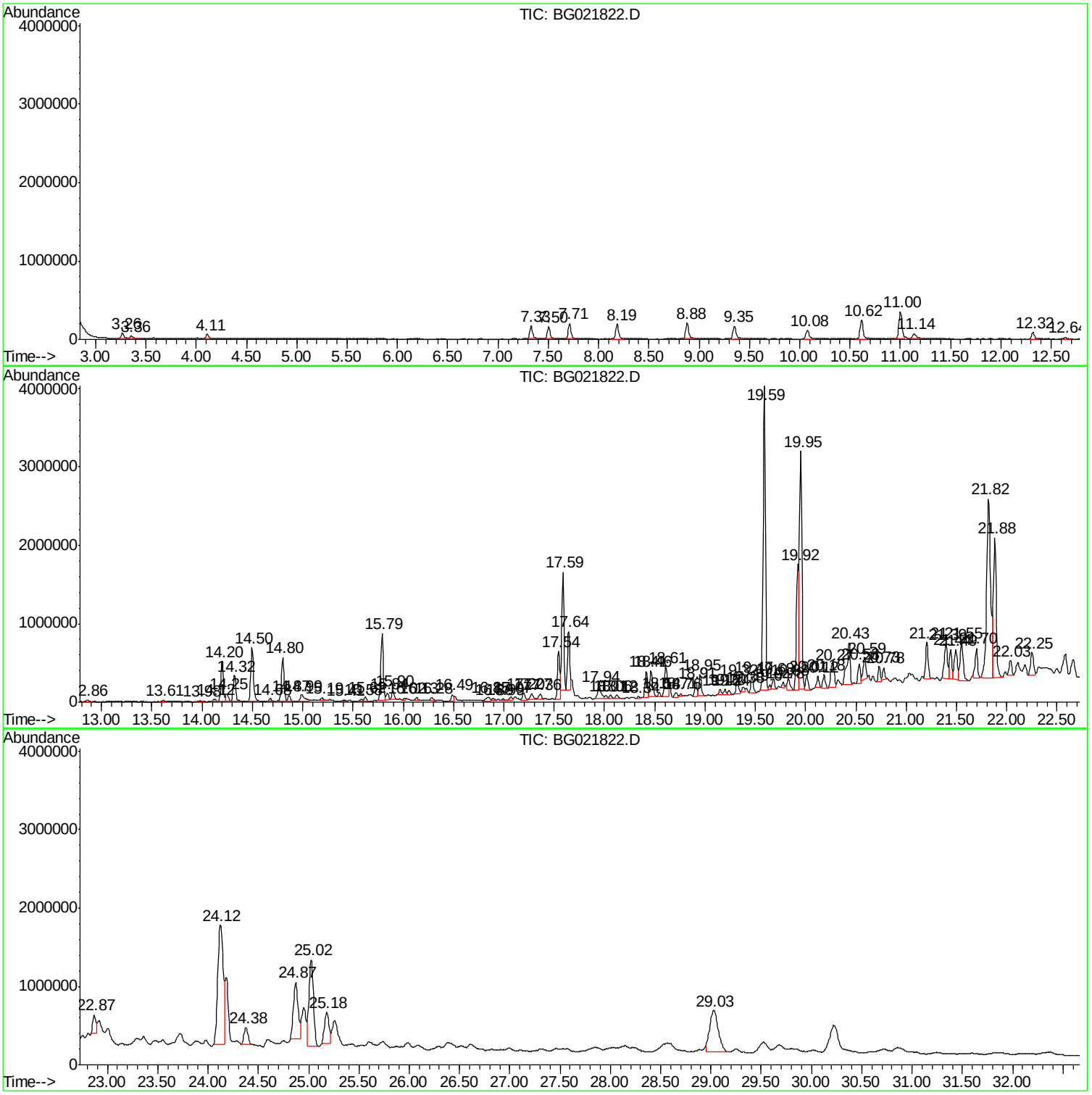
Sum of corrected areas: 73446894

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
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Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

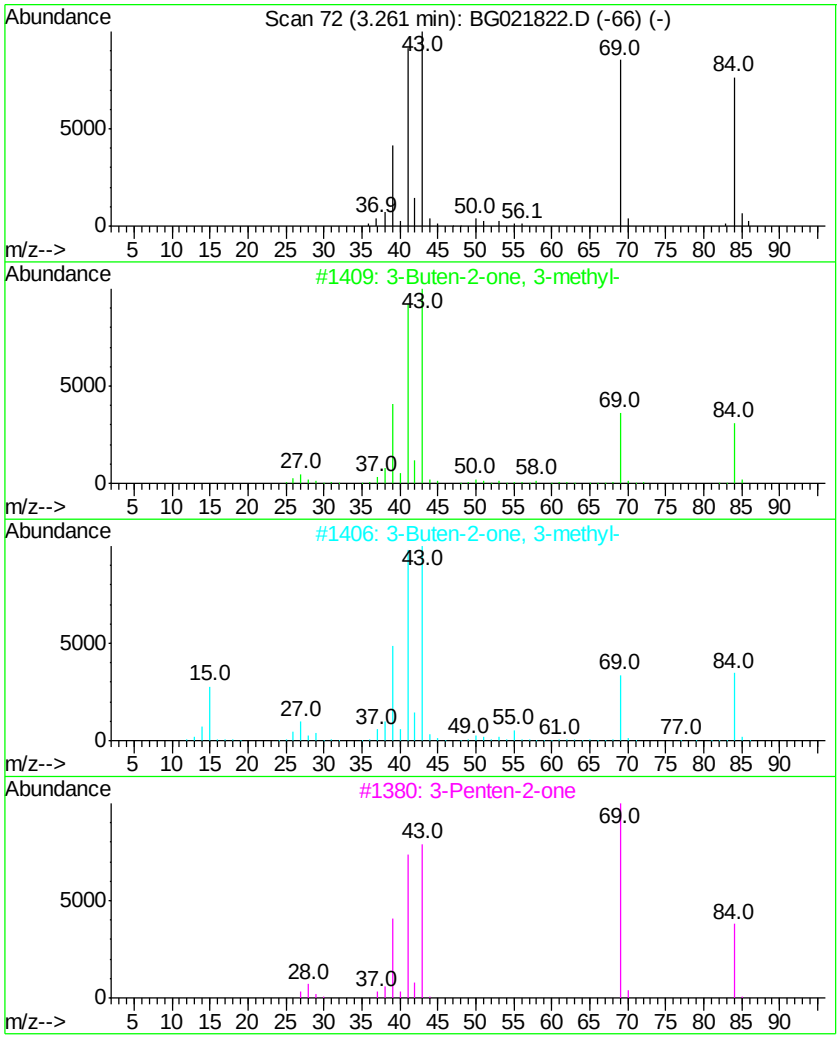
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

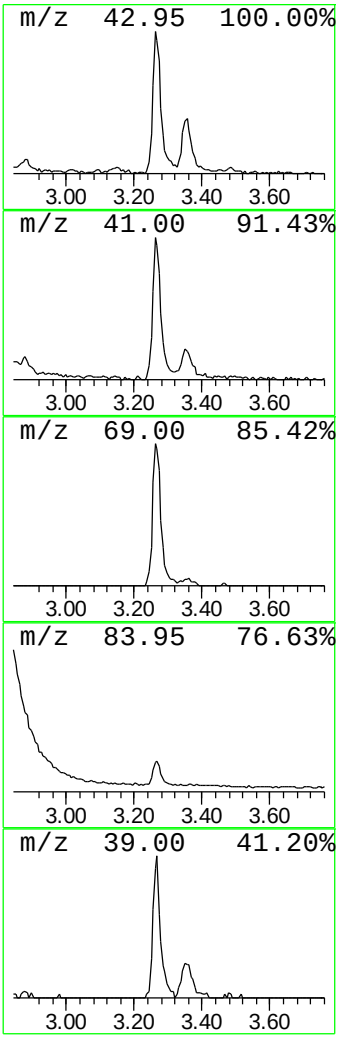
****

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.26	5.67 ng/ul	118572	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	91
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	83
3	3-Penten-2-one	84	C5H8O	000625-33-2	83
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	72
5	2-Butanone, 4-hydroxy-3-(hydroxy...	132	C6H12O3	006868-97-9	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

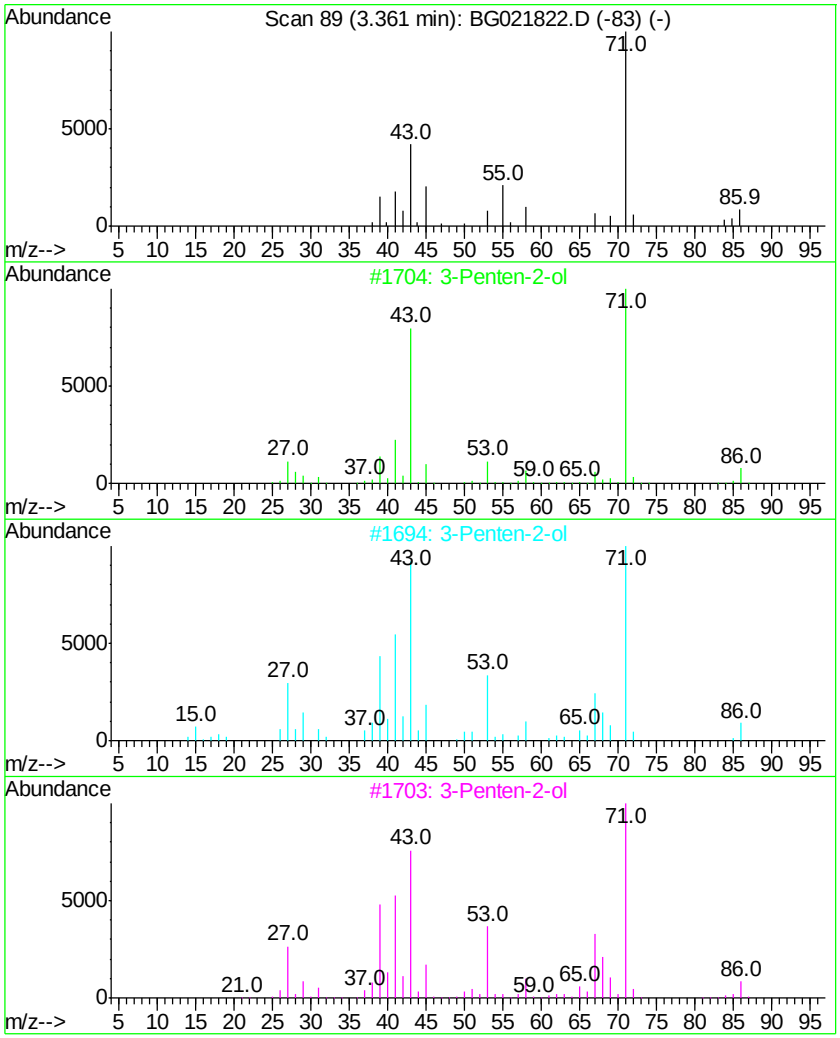
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

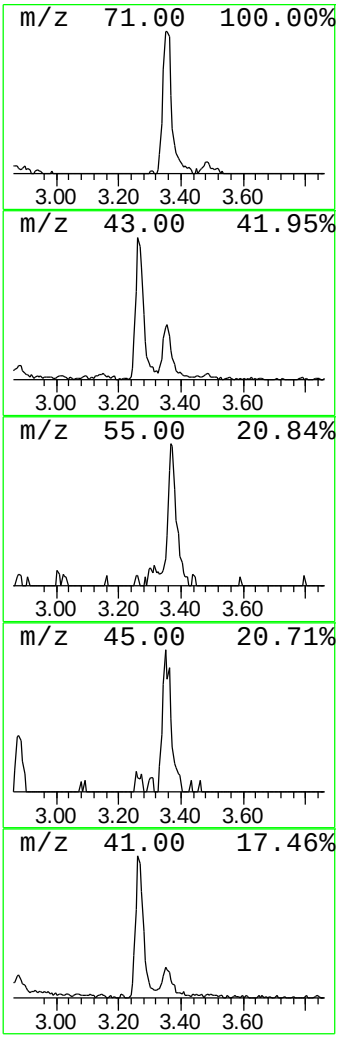
****

Peak Number 2 3-Penten-2-ol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	3.22 ng/ul	67388	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-ol	86	C5H10O	001569-50-2	80
2	3-Penten-2-ol	86	C5H10O	001569-50-2	72
3	3-Penten-2-ol	86	C5H10O	001569-50-2	72
4	Furan-2-carbonyl chloride, tetra...	134	C5H7ClO2	052449-98-6	50
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
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Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

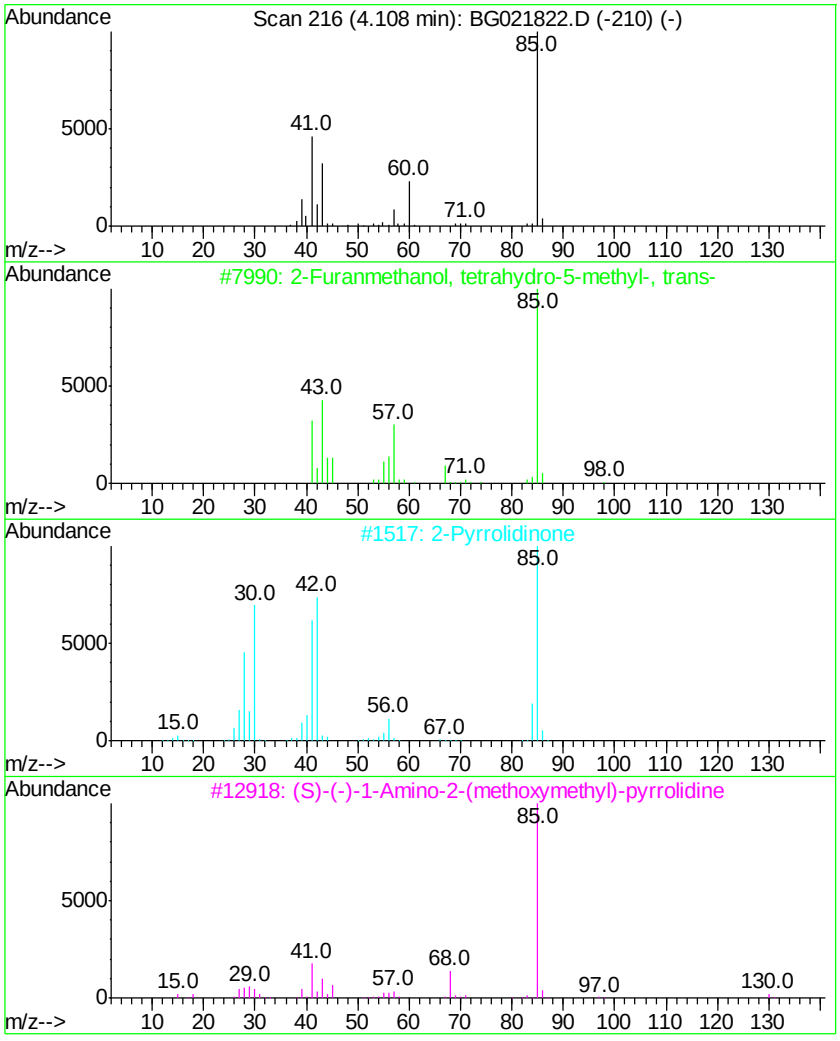
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

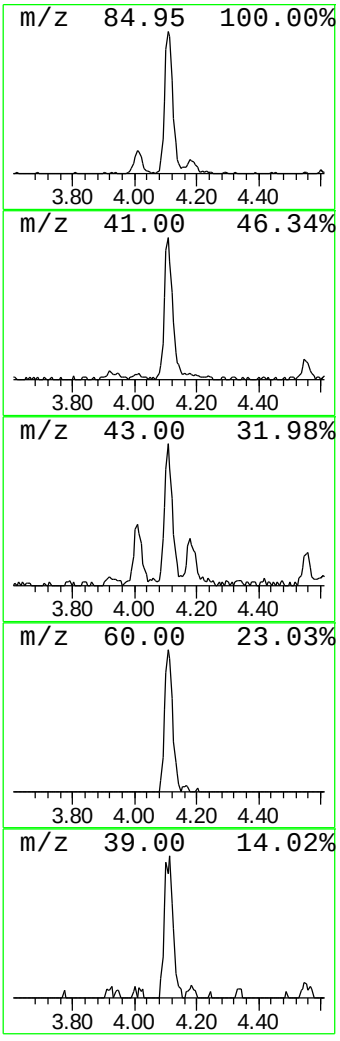
****

Peak Number 3 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.11	5.07 ng/ul	106013	1,4-Dichlorobenzene-d4	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furanmethanol, tetrahydro-5-me...	116	C6H12O2	054774-28-6	36
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	36
3	(S)-(-)-1-Amino-2-(methoxymethyl...	130	C6H14N2O	059983-39-0	33
4	2H-Pyran-2-methanol, tetrahydro-	116	C6H12O2	000100-72-1	9
5	2H-Pyran, tetrahydro-2-[2-(methy...	182	C11H18O2	107616-98-8	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

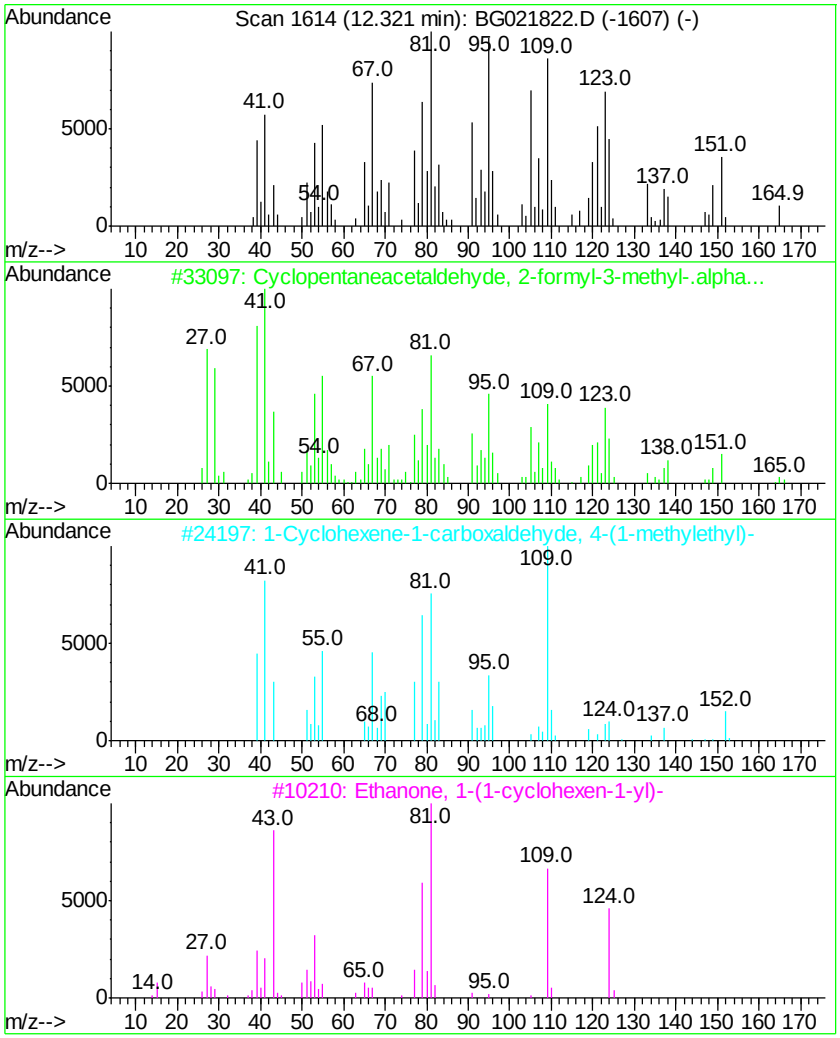
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

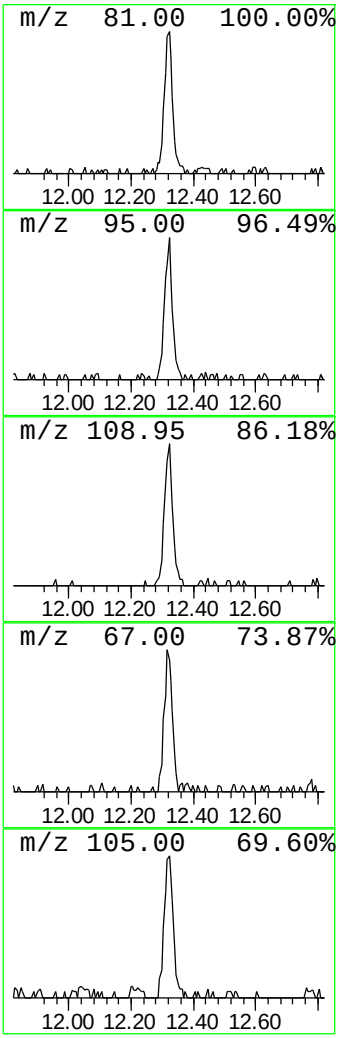
****

Peak Number 4 Cyclopentaneacetaldehyde, 2... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	4.56 ng/ul	167423	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentaneacetaldehyde, 2-form...	166	C10H14O2	005951-57-5	72
2	1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	021391-98-0	49
3	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	46
4	1,4-Heptadiene, 3-methyl-	110	C8H14	001603-01-6	46
5	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051016\
Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

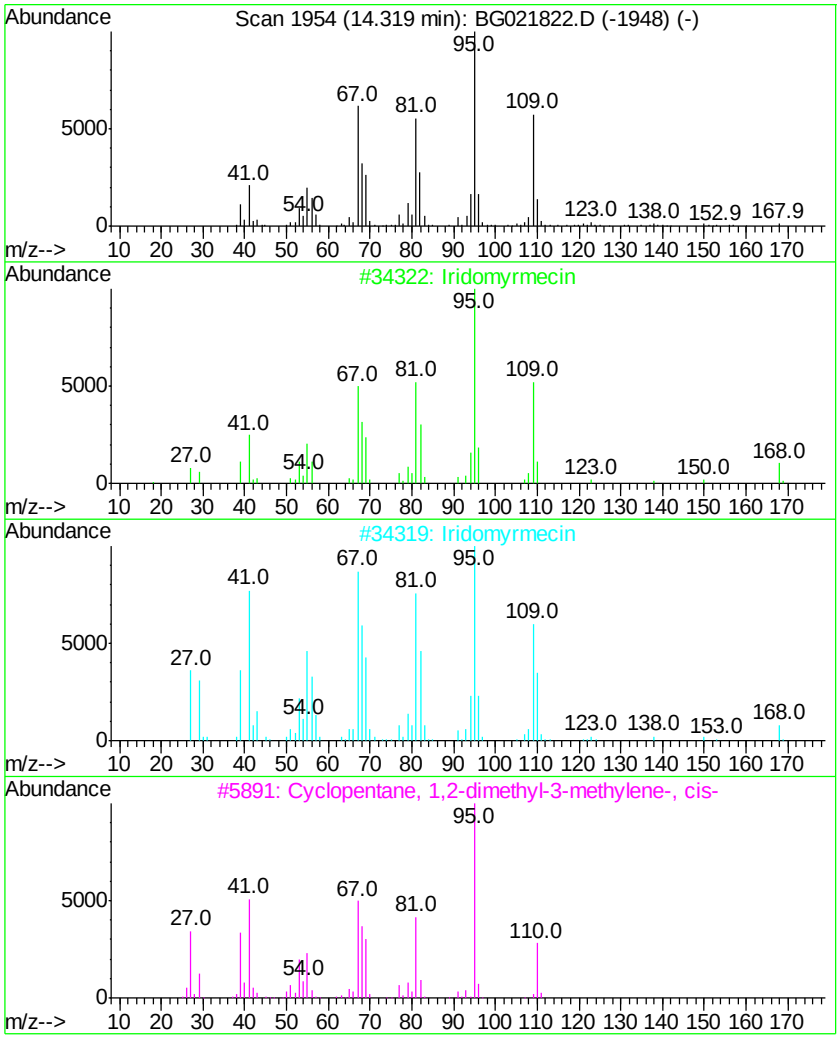
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

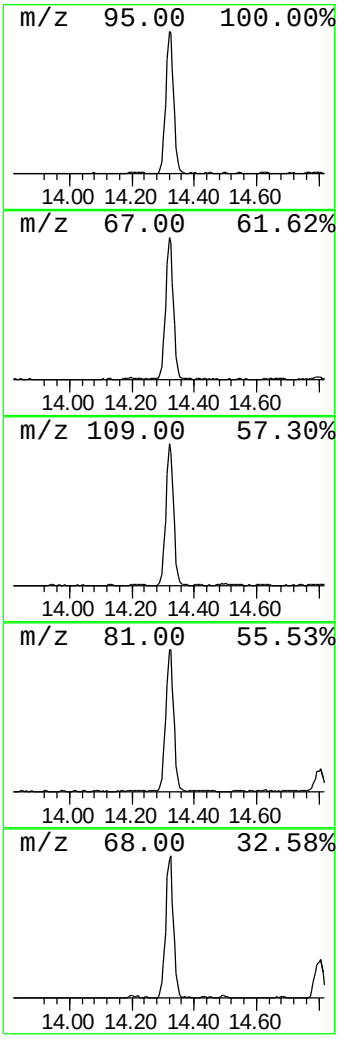
****

Peak Number 5 Iridomyrmecin Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	11.32 ng/ul	587039	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Iridomyrmecin	168	C10H16O2	000485-43-8	91
2	Iridomyrmecin	168	C10H16O2	000485-43-8	81
3	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	58
4	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	58
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	52





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Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

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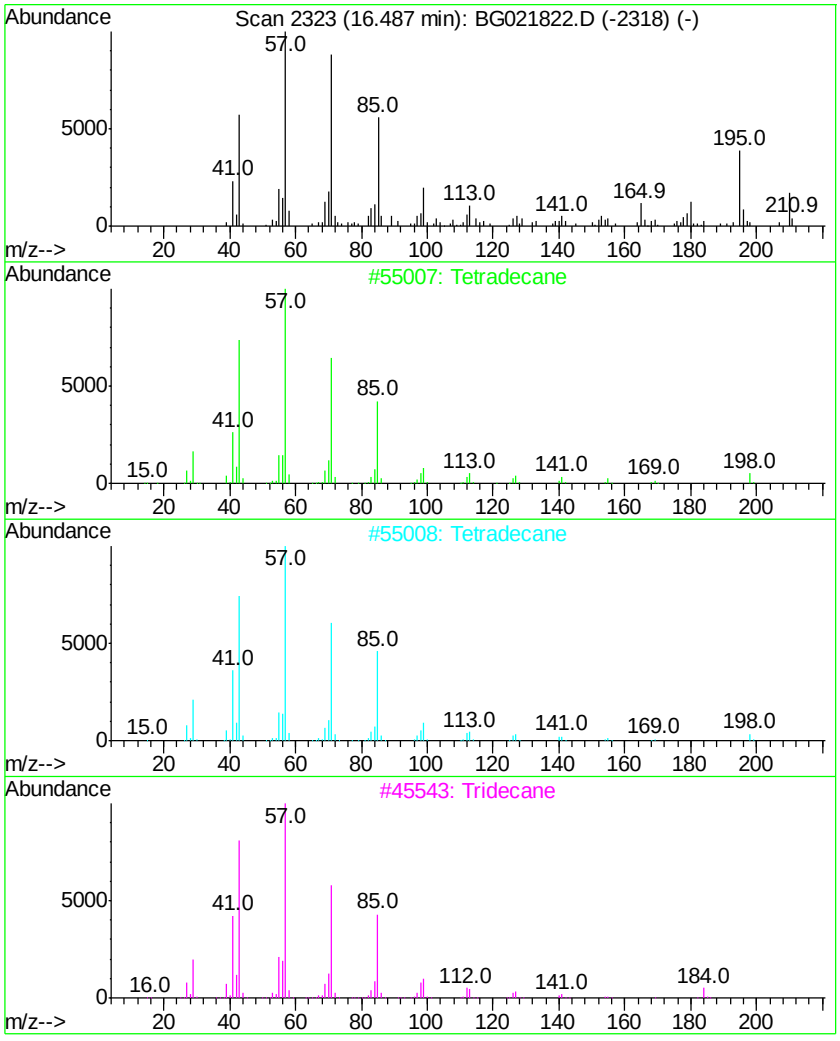
Quant Title : SVOA CALIBRATION

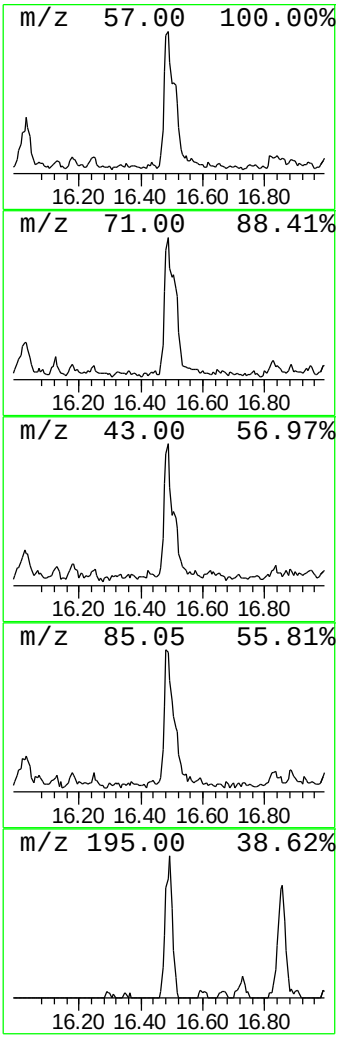
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.65 ng/ul	143893	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Tetradecane	198	C14H30	000629-59-4	78
3	Tridecane	184	C13H28	000629-50-5	53
4	Hexadecane	226	C16H34	000544-76-3	53
5	Tetradecane	198	C14H30	000629-59-4	52





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

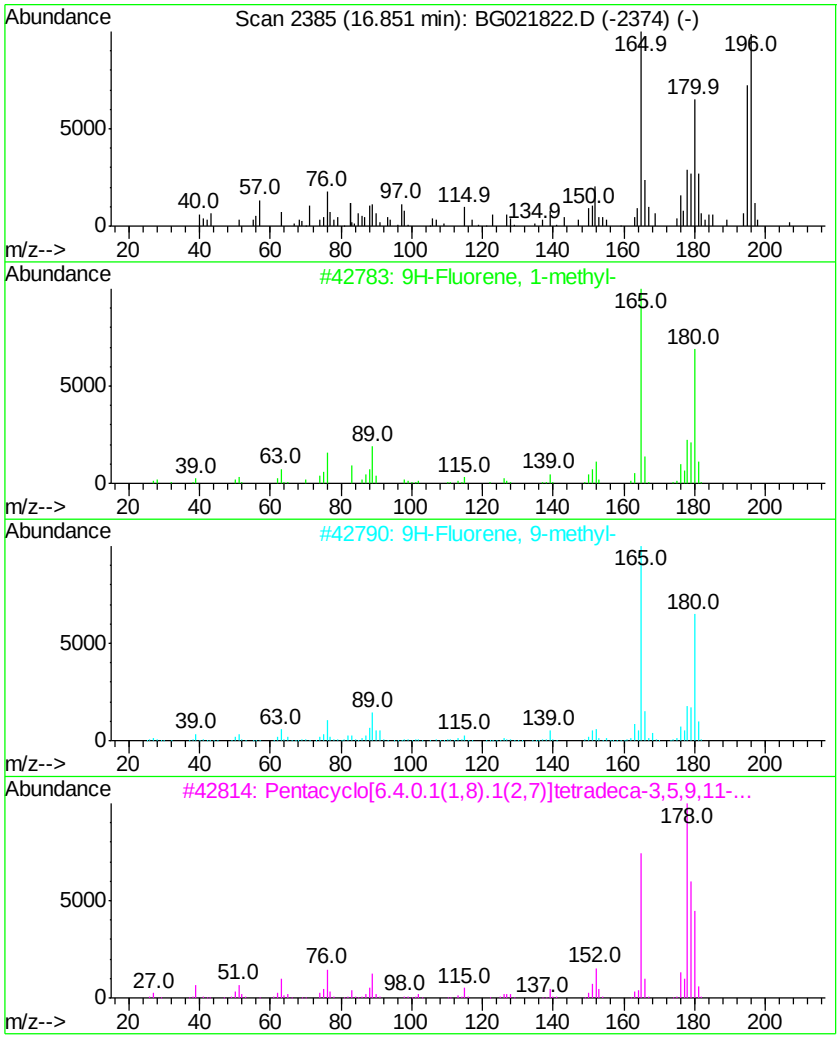
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

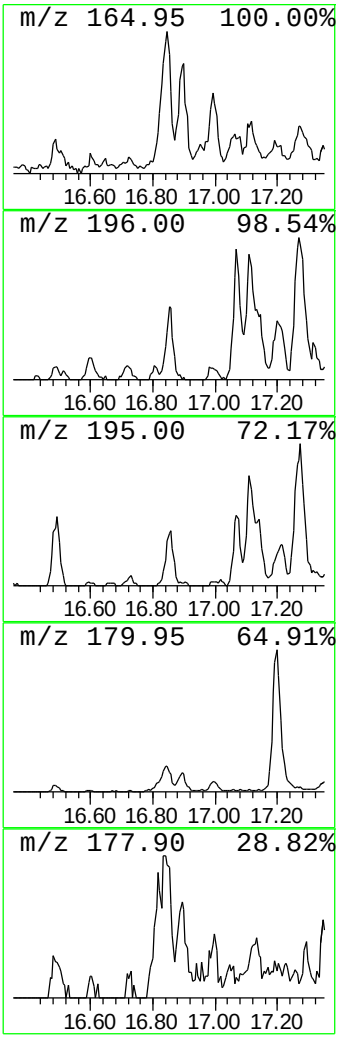
****

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	2.38 ng/ul	129233	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
3	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	64
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55





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ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

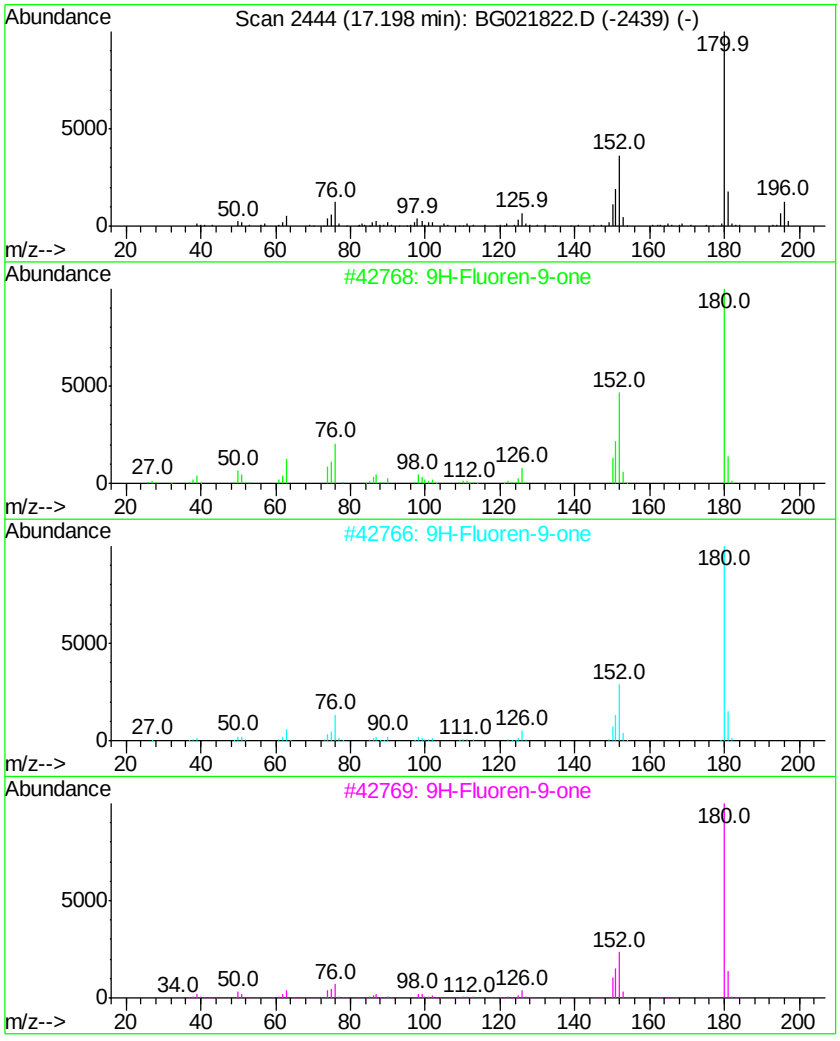
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

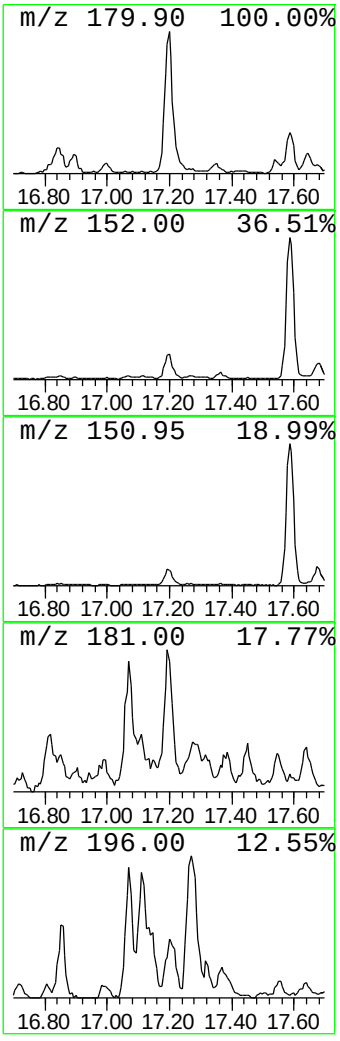
****

Peak Number 8 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.95 ng/ul	160132	Phenanthrene-d10	17.54

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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

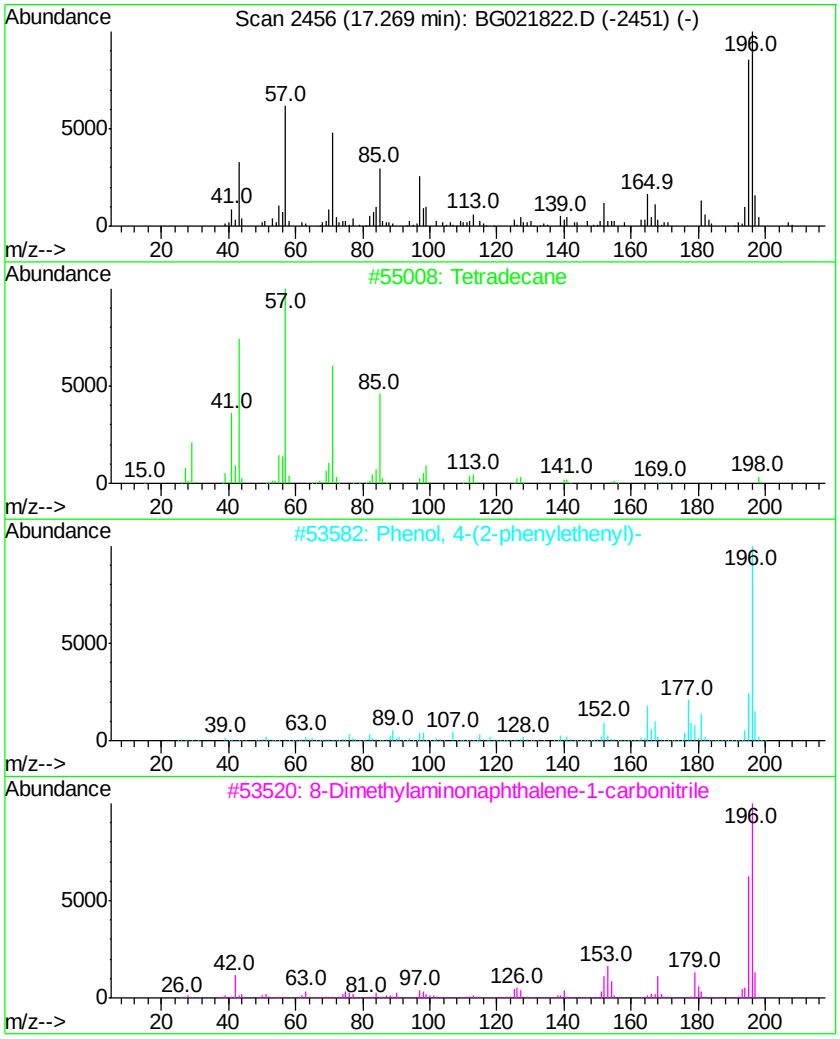
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

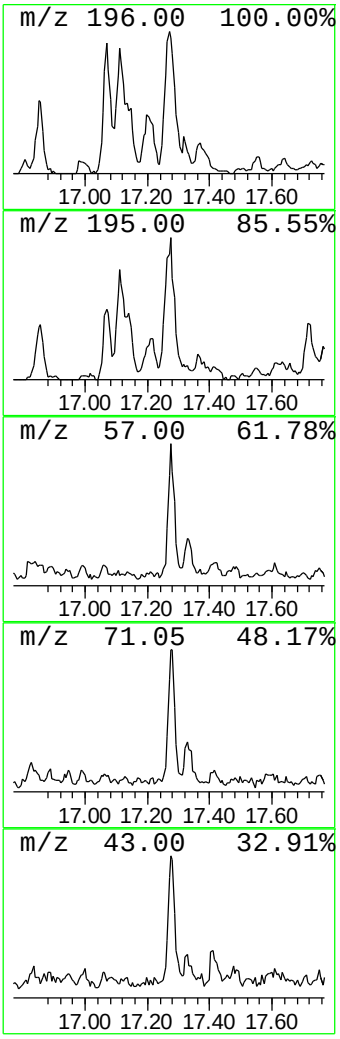
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.96 ng/ul	160663	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	44
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	41
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	35
4	4-Carbomethoxy-3-methoxy-4-methy...	196	C10H12O4	120696-19-7	35
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	30





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ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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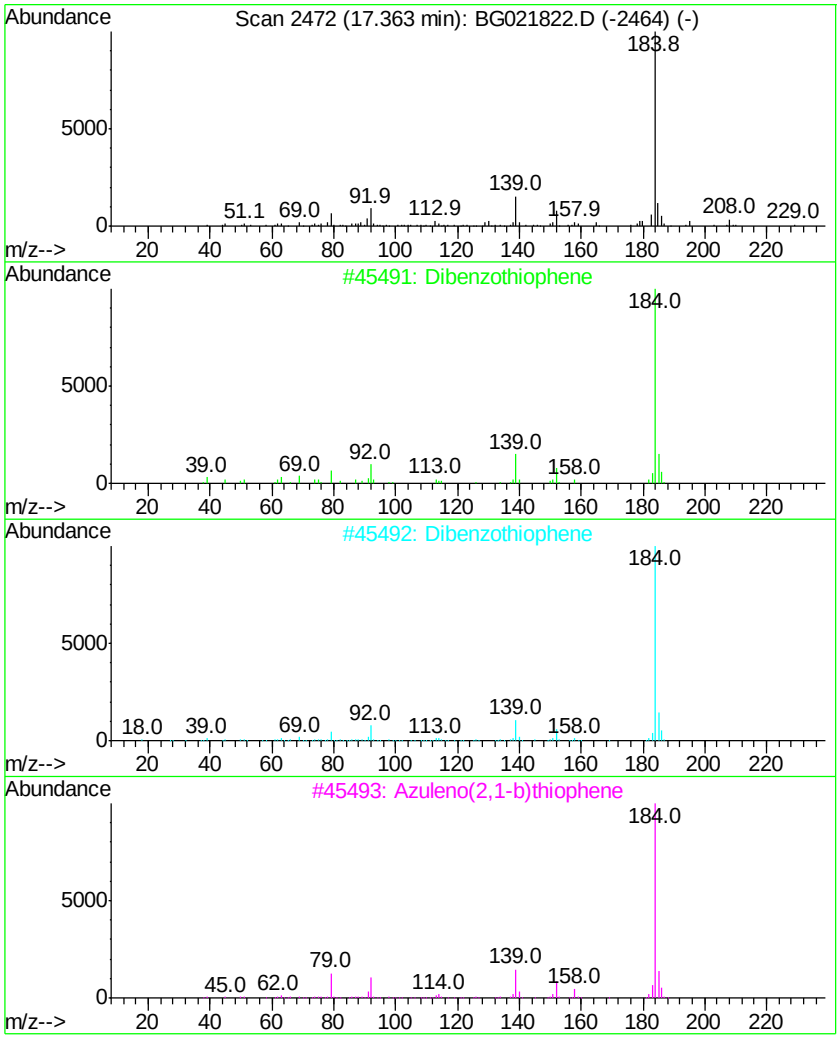
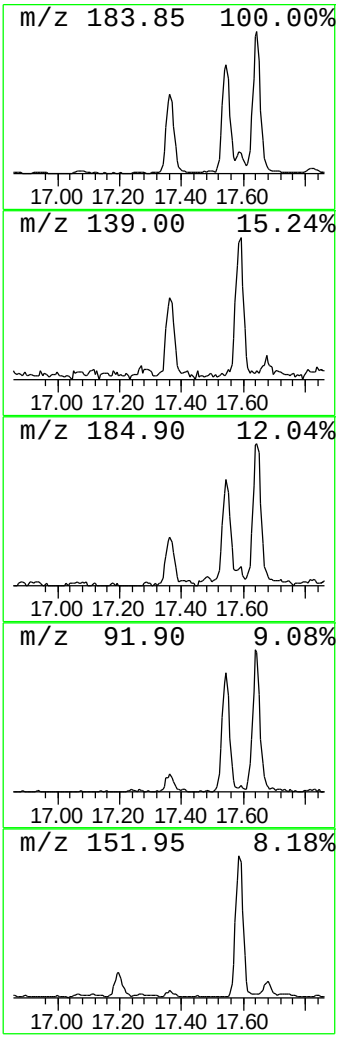
Peak Number 10 Dibenzothiophene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	2.23 ng/ul	121245	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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

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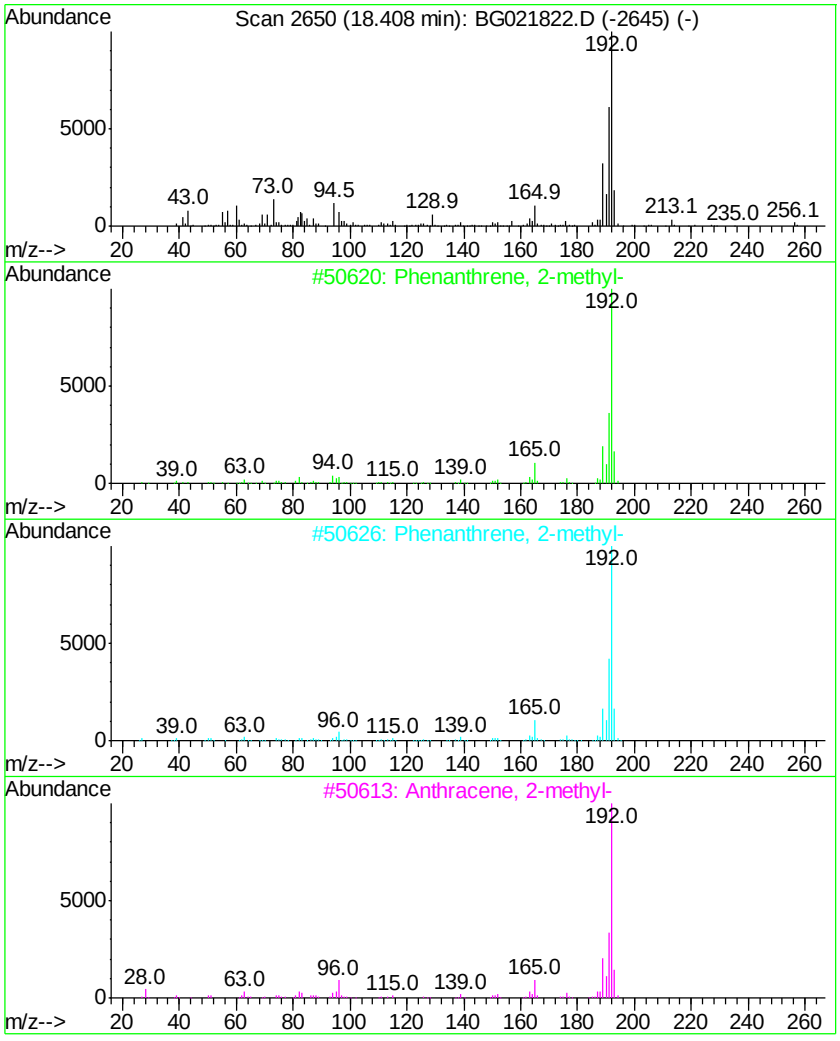
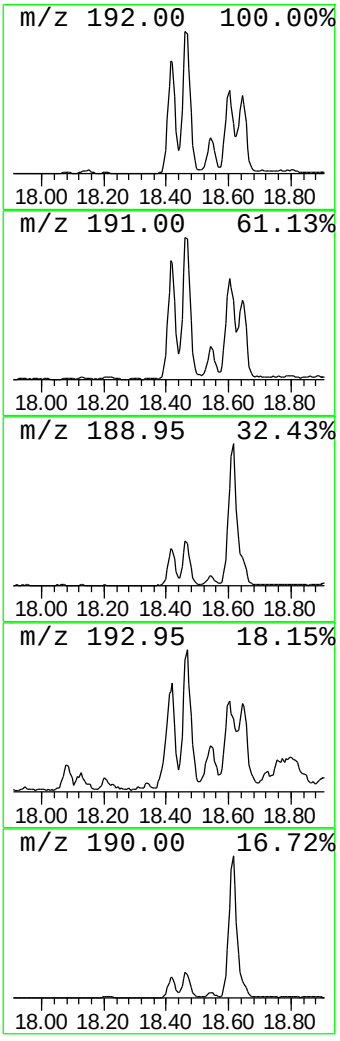
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	10.38 ng/ul	563443	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





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Sample : H2938-12
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Instrument : BNA_G
ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

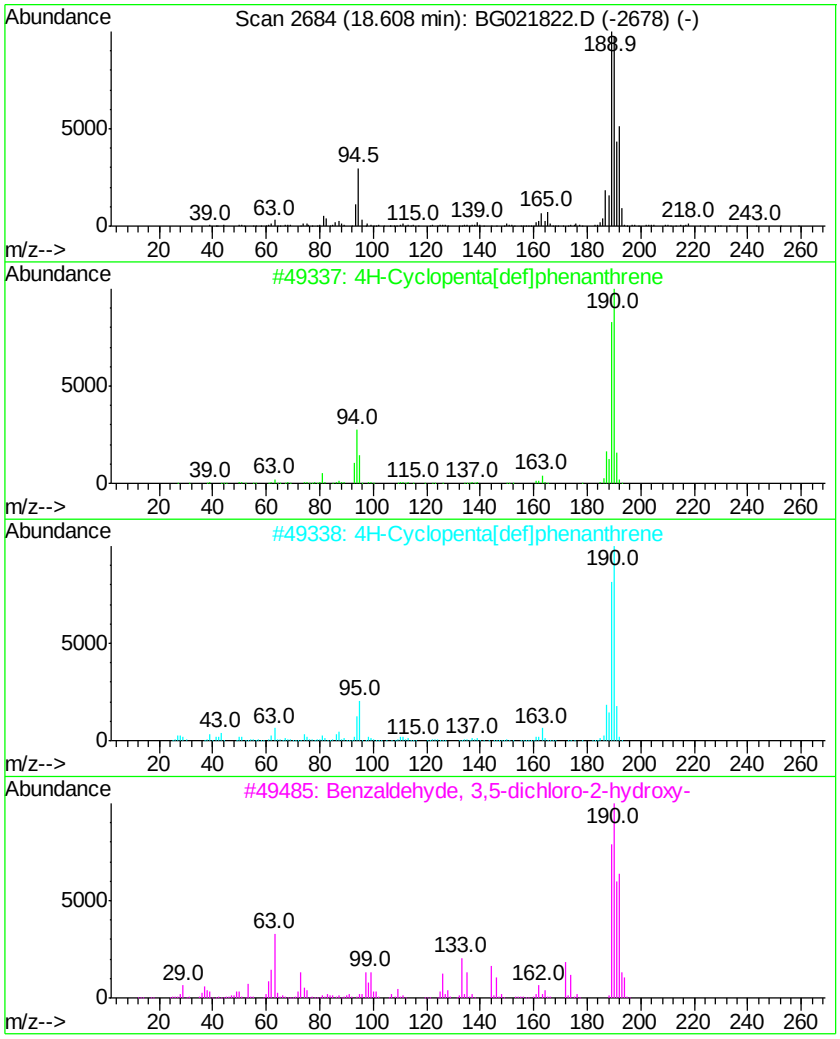
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

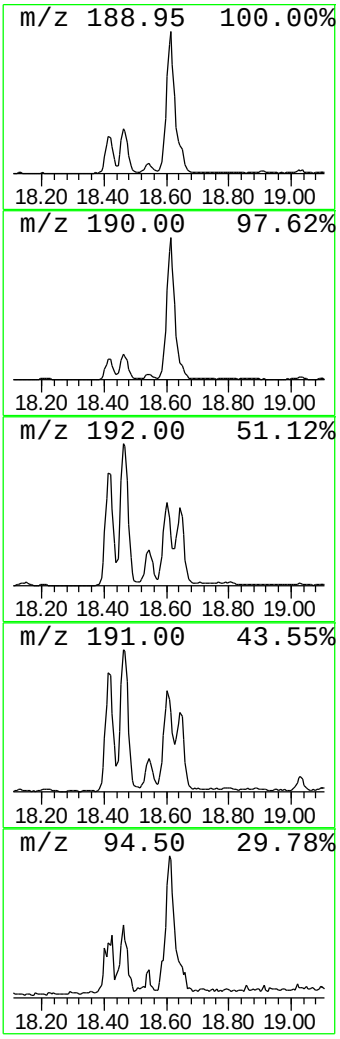
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	15.25 ng/ul	828070	Phenanthrene-d10	17.54

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	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53





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ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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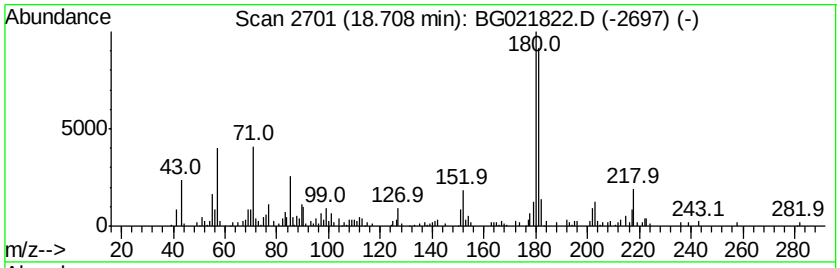
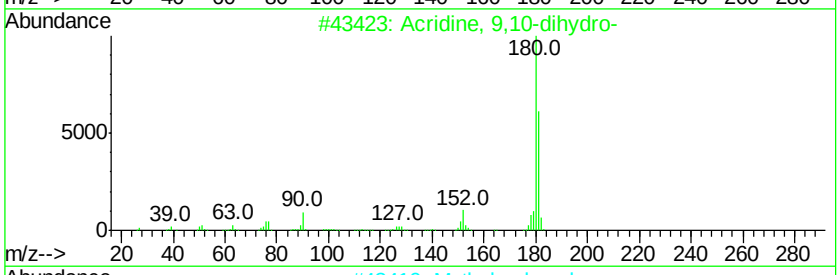
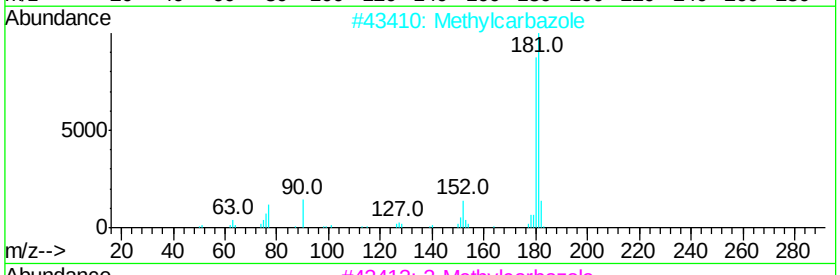
Peak Number 13 Acridine, 9,10-dihydro- Concentration Rank 29

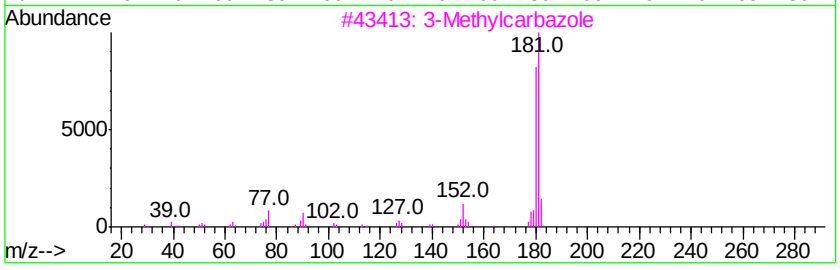
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	2.02 ng/ul	109872	Phenanthrene-d10	17.54

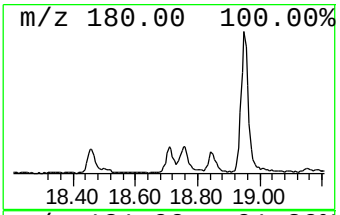
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	60
2	Methylcarbazole	181	C13H11N	027323-29-1	60
3	3-Methylcarbazole	181	C13H11N	004630-20-0	53
4	4-(2-Phenylvinyl)pyridine, trans-	181	C13H11N	005097-93-8	52
5	2-Fluorenamine	181	C13H11N	000153-78-6	52

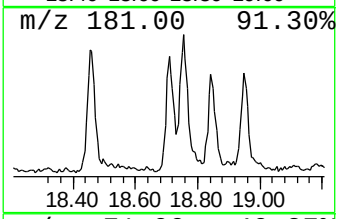


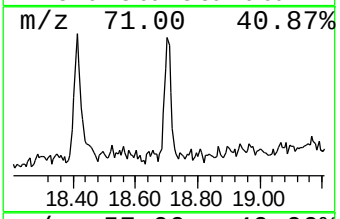


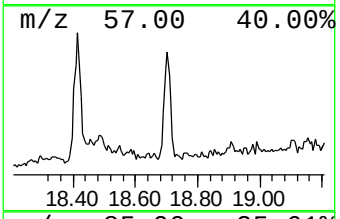


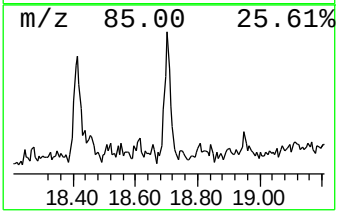












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Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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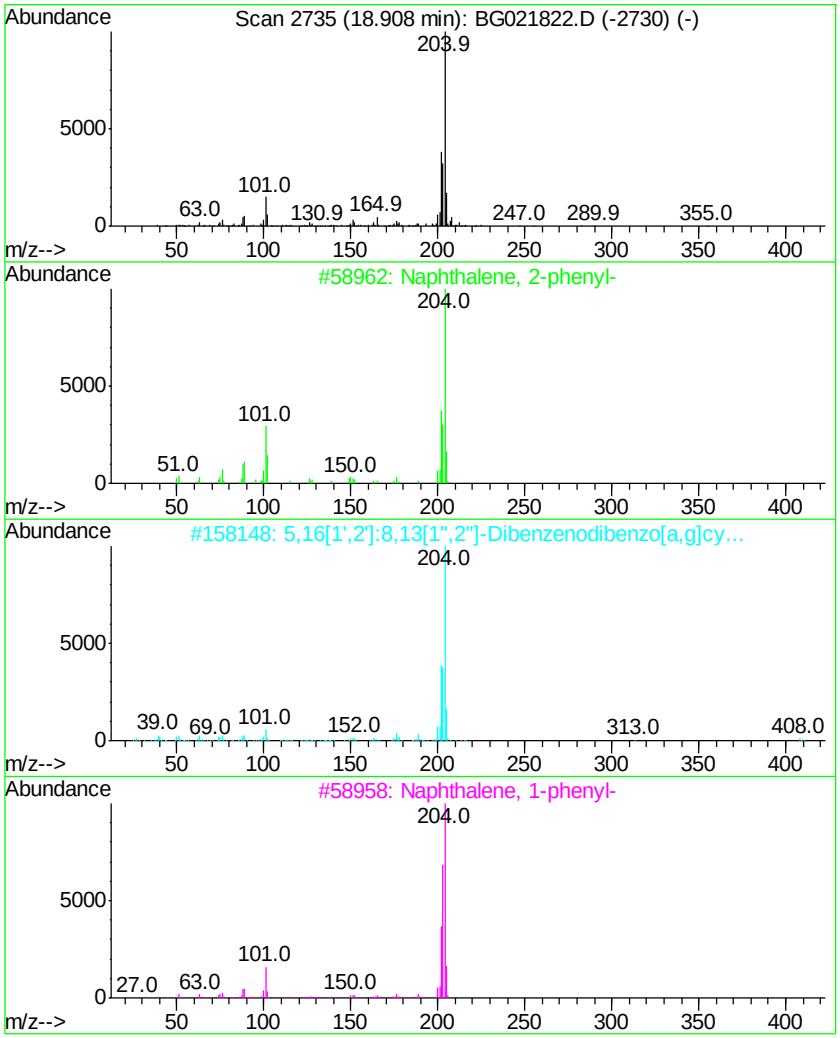
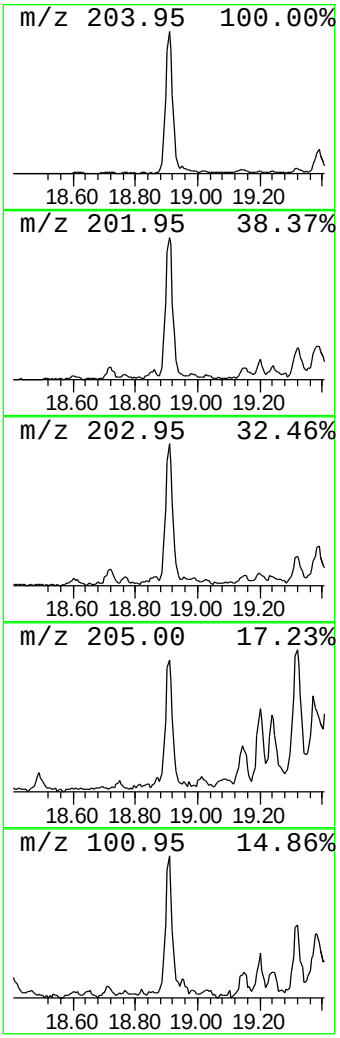
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	5.28 ng/ul	286714	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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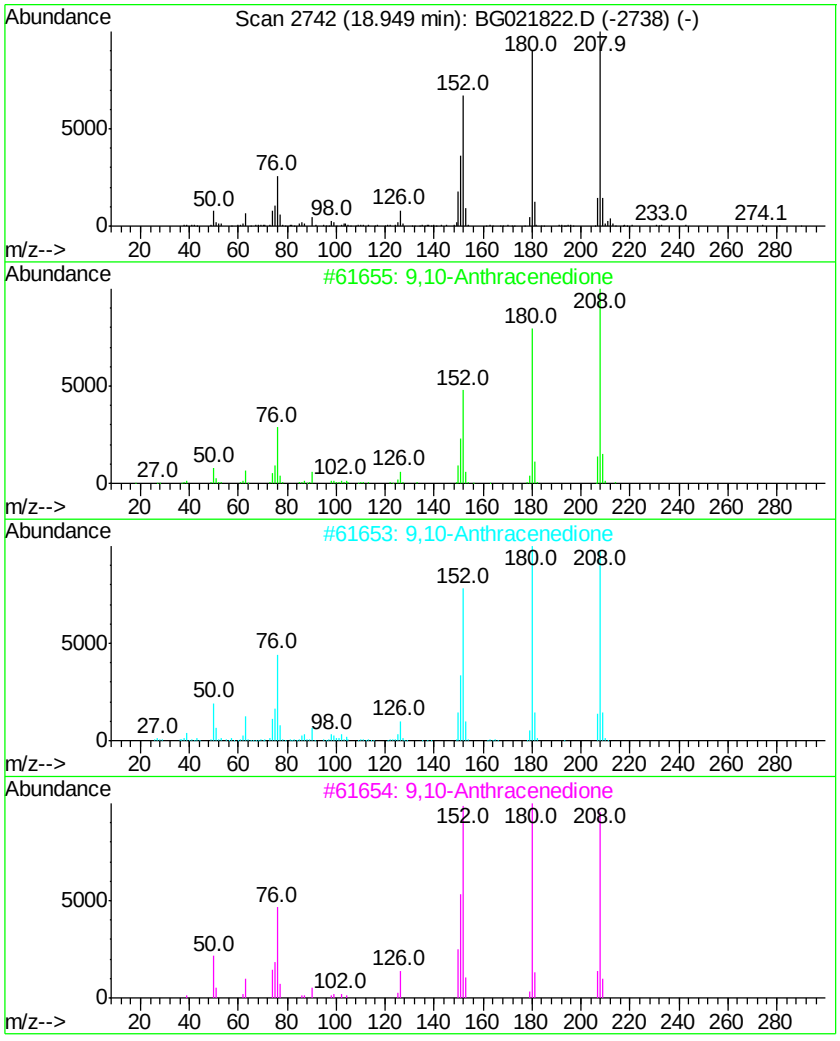
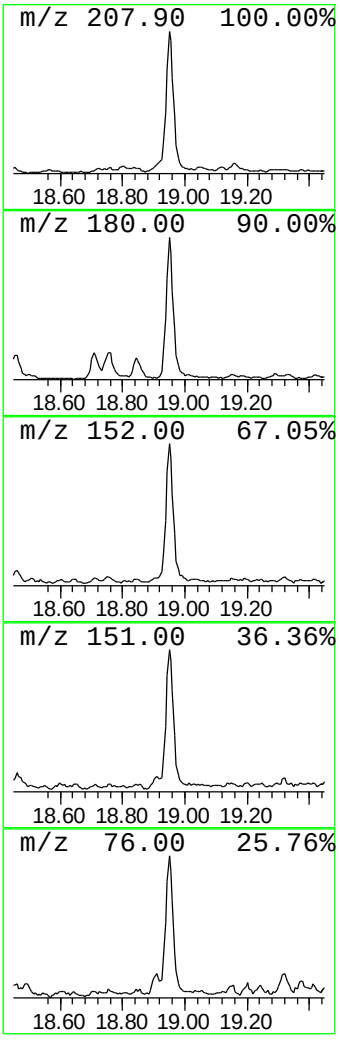
Peak Number 15 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	8.38 ng/ul	454935	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

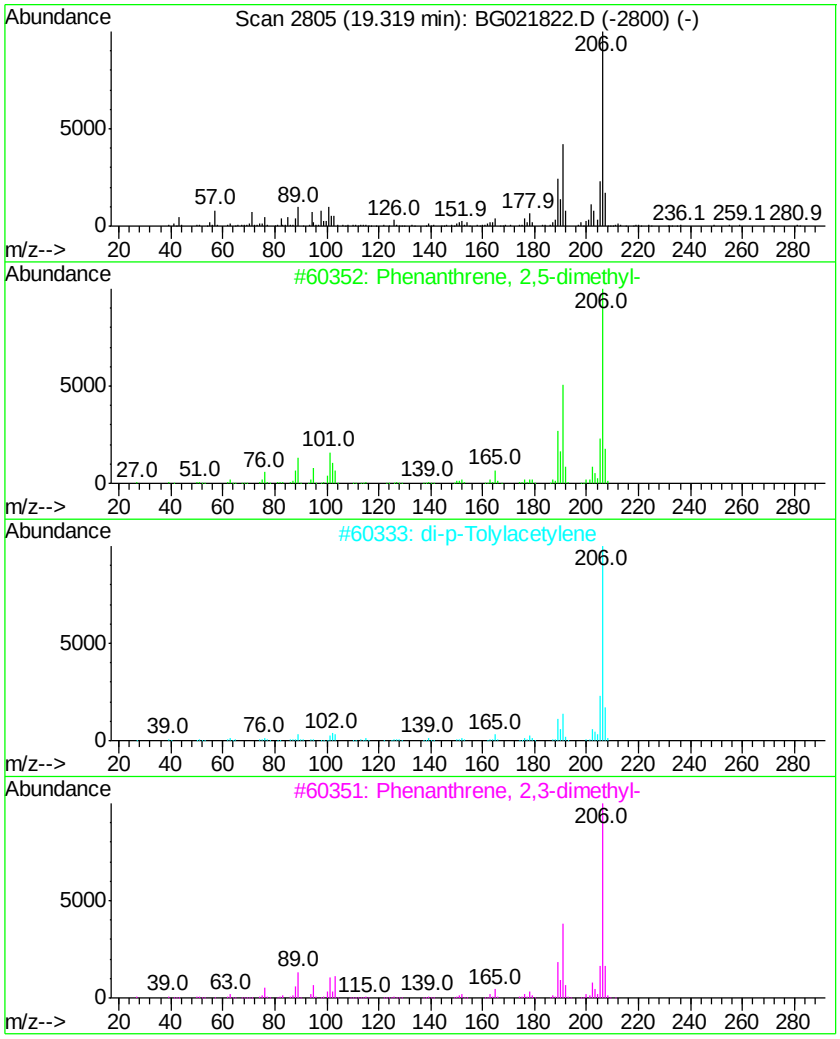
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

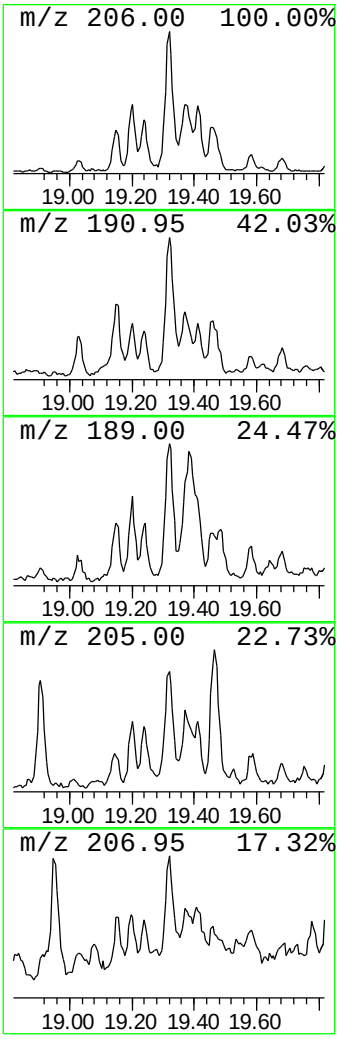
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	6.11 ng/ul	331625	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Data File : BG021822.D
Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

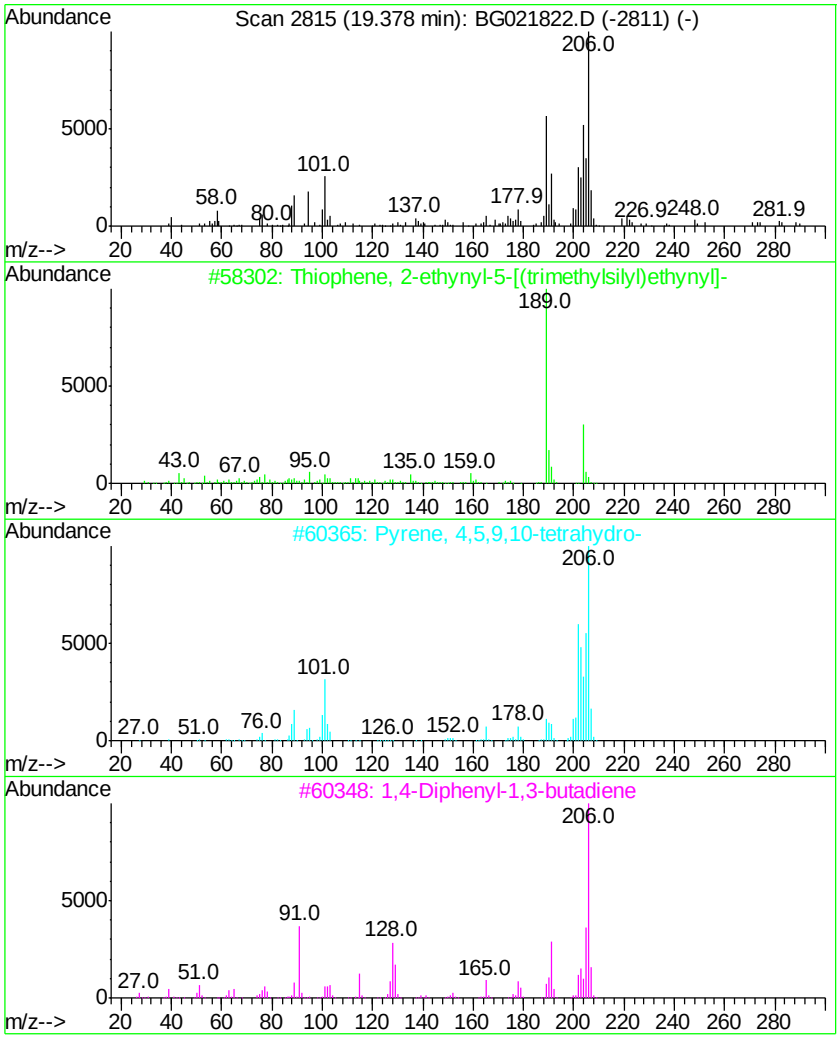
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

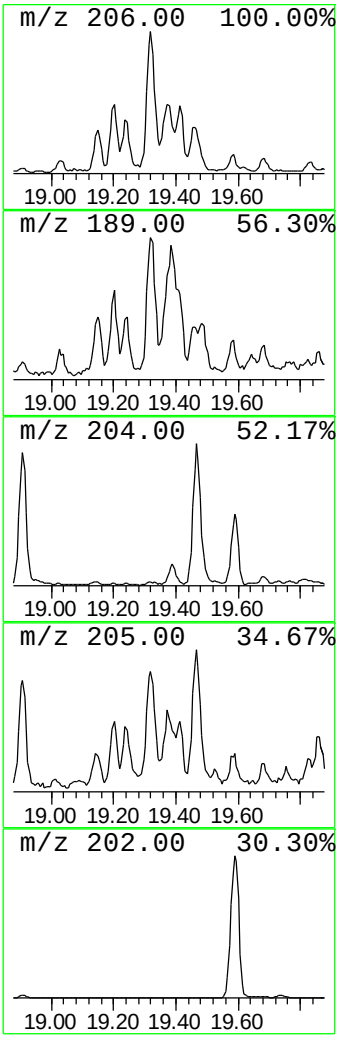
****

Peak Number 17 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	2.05 ng/ul	111347	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
5	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	35





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Acq On : 10 May 2016 18:42
Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

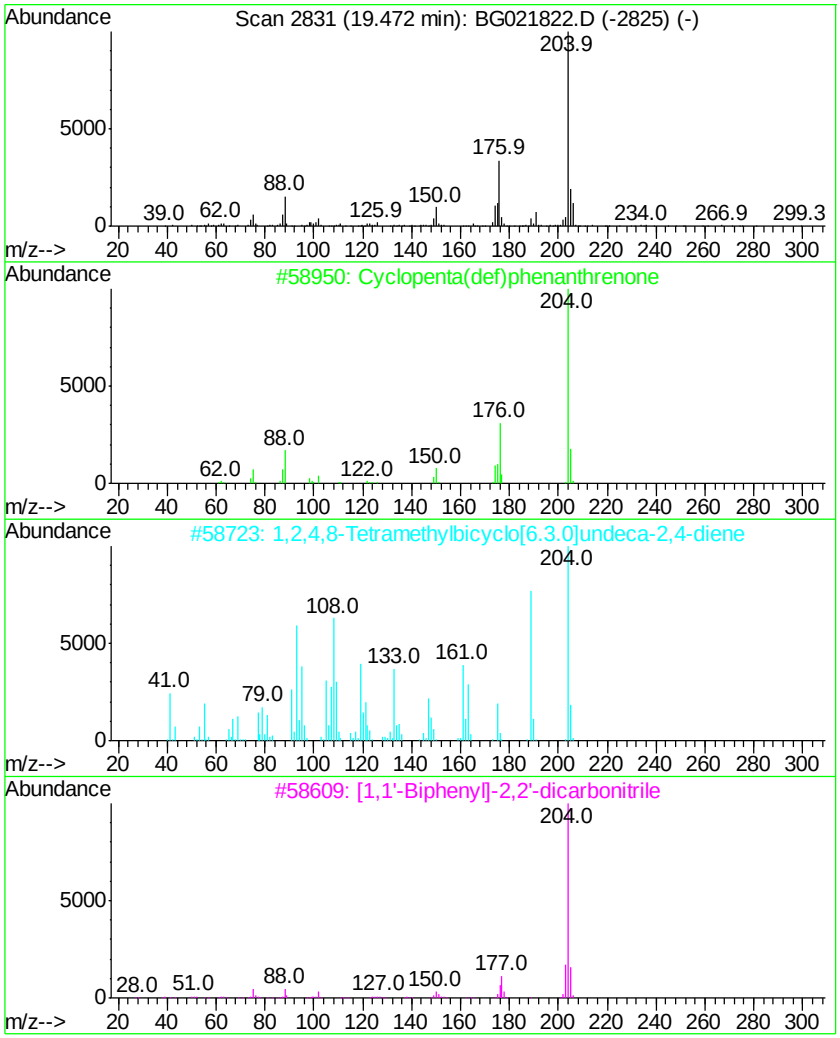
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

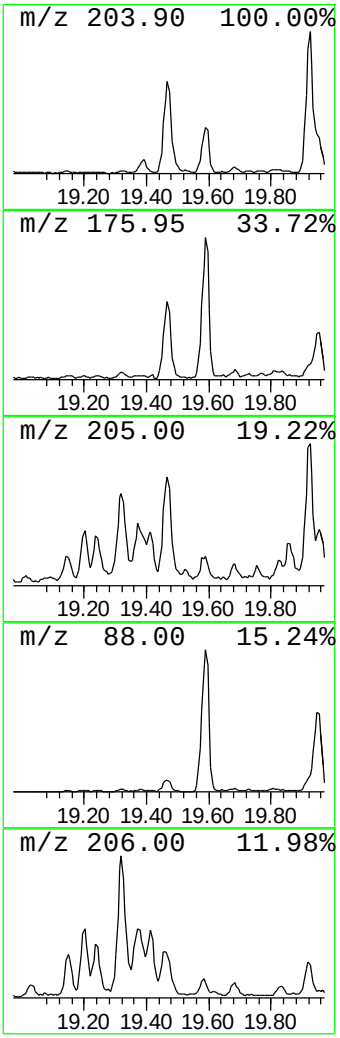
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	6.83 ng/ul	371033	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	Mannose, 2,3,4,5,6-pentakis-O-(t...	540	C21H52O6Si5	006736-99-8	38
5	2-Methyl-5-nitroindole-3-carboxa...	204	C10H8N2O3	003558-17-6	38





Library Search Compound Report

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Sample : H2938-12
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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

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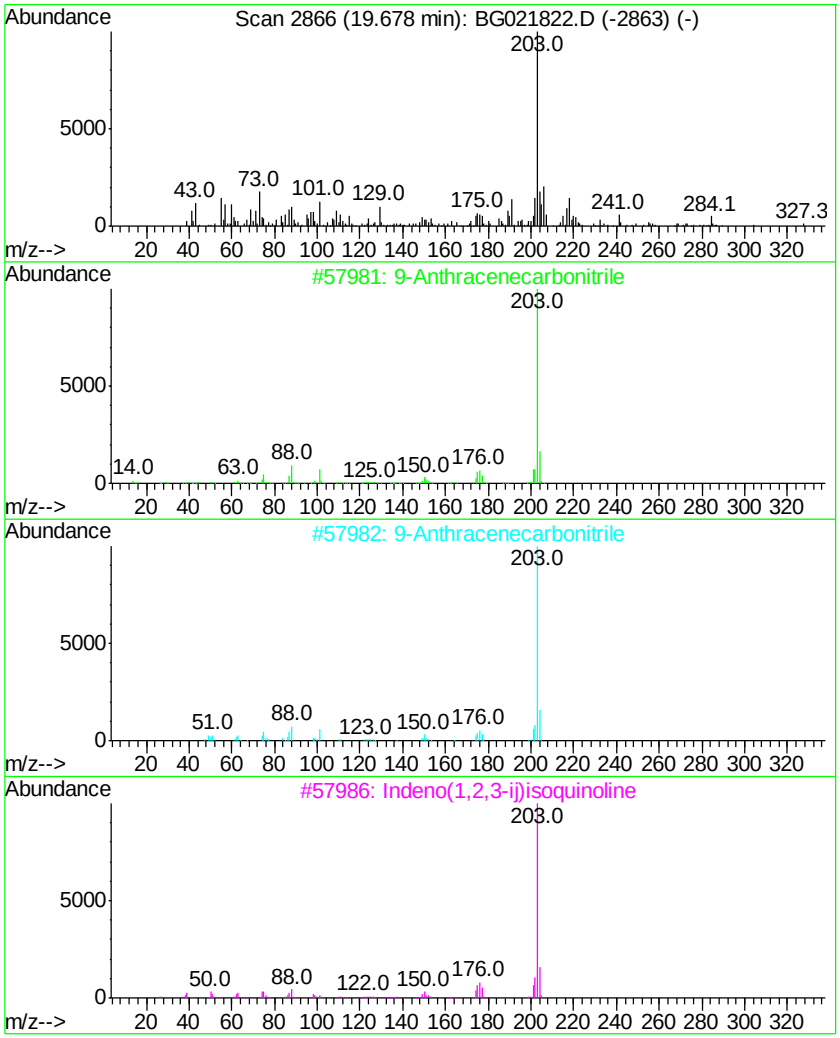
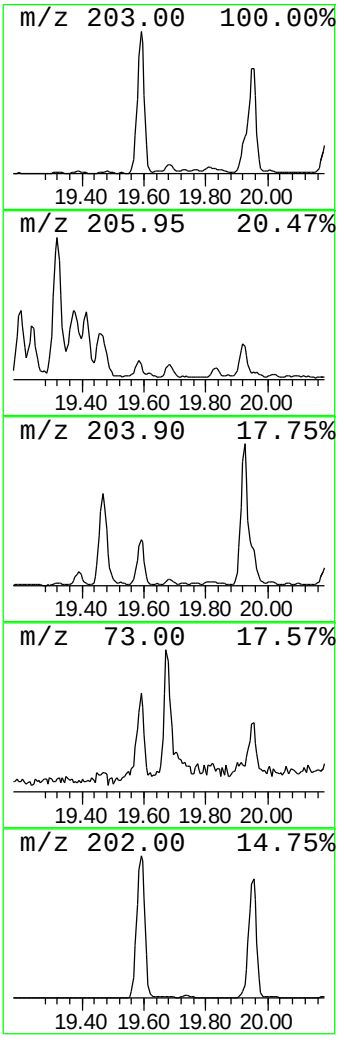
Peak Number 20 9-Anthracenecarbonitrile Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	3.76 ng/ul	204225	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	60
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	55
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	55
4	4,4,9,9-Tetramethyl-4,9-disilatr...	218	C12H18Si2	1000280-67-7	50
5	3-Amino-4,6-dimethylthieno[2,3-b...	203	C10H9N3S	052505-57-4	50





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Instrument : BNA_G
ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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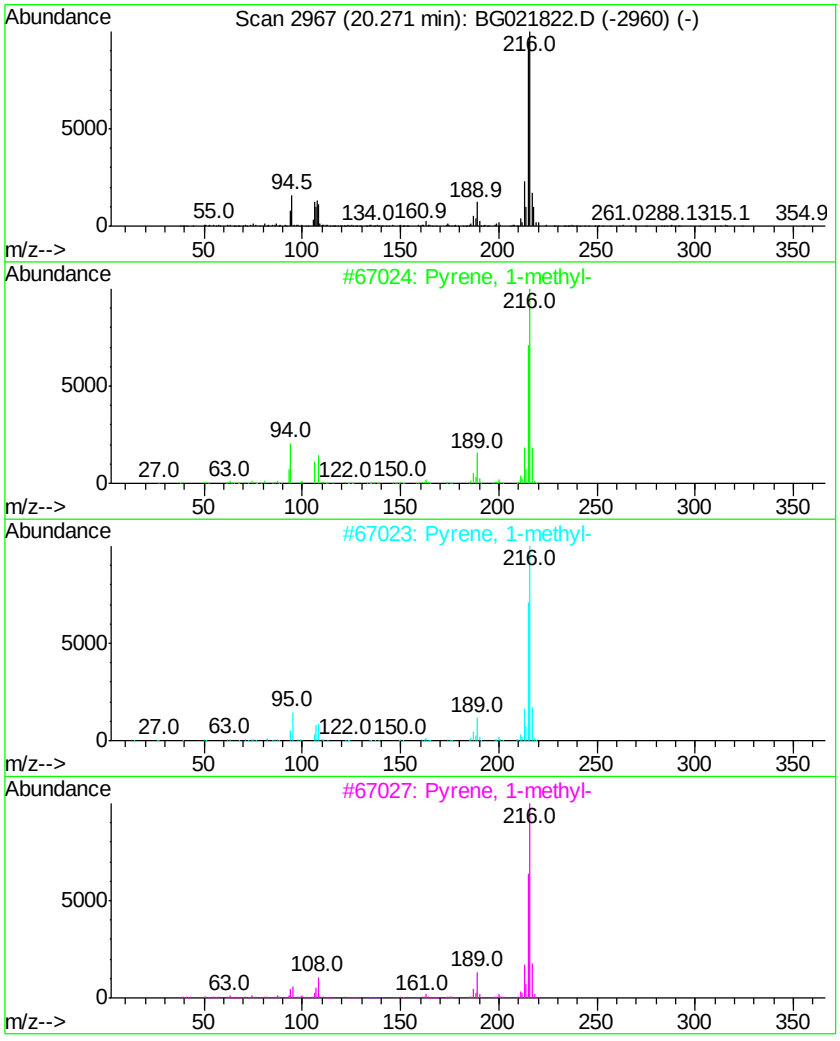
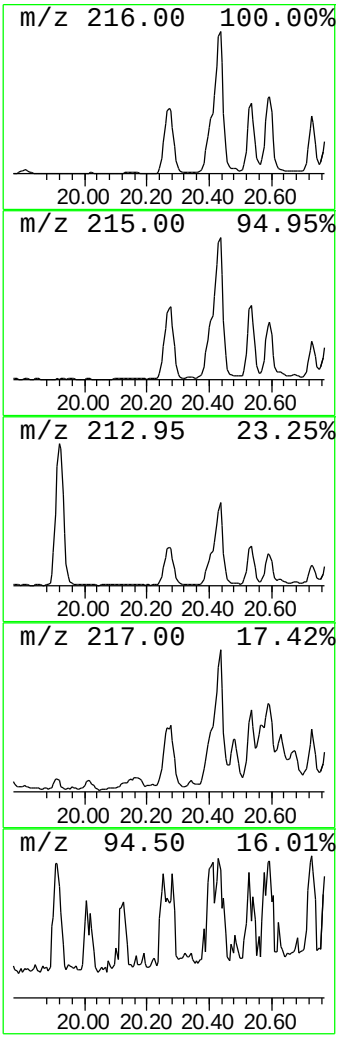
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.39 ng/ul	744366	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

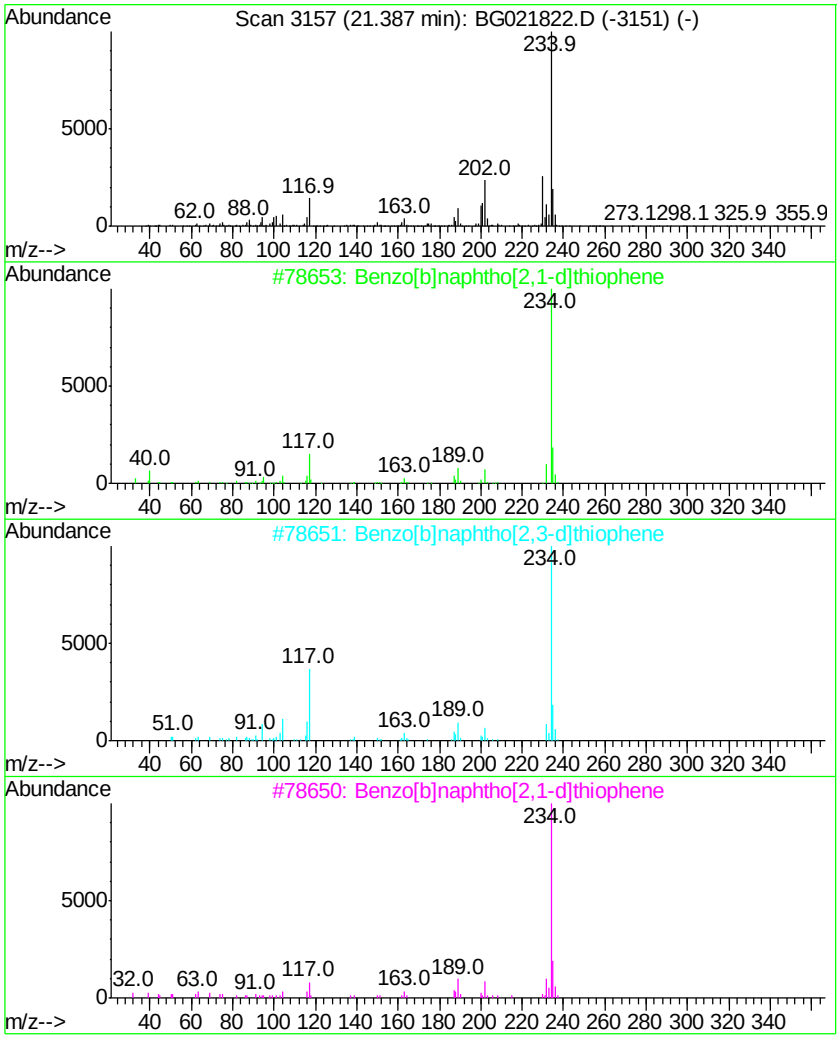
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

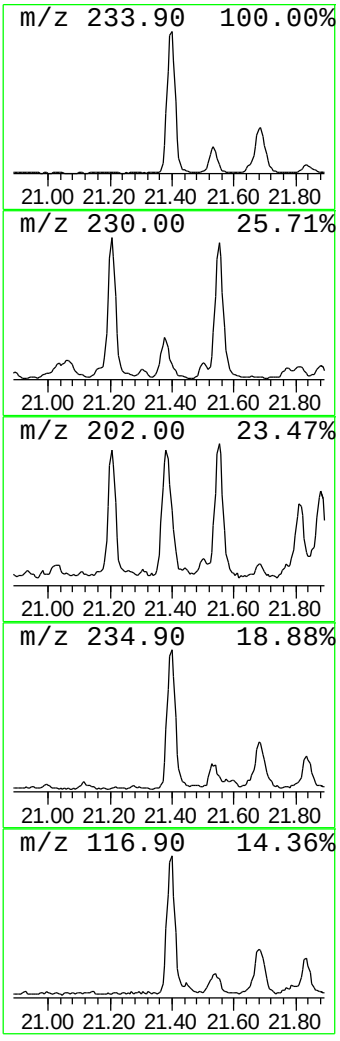
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	3.29 ng/ul	1027430	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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

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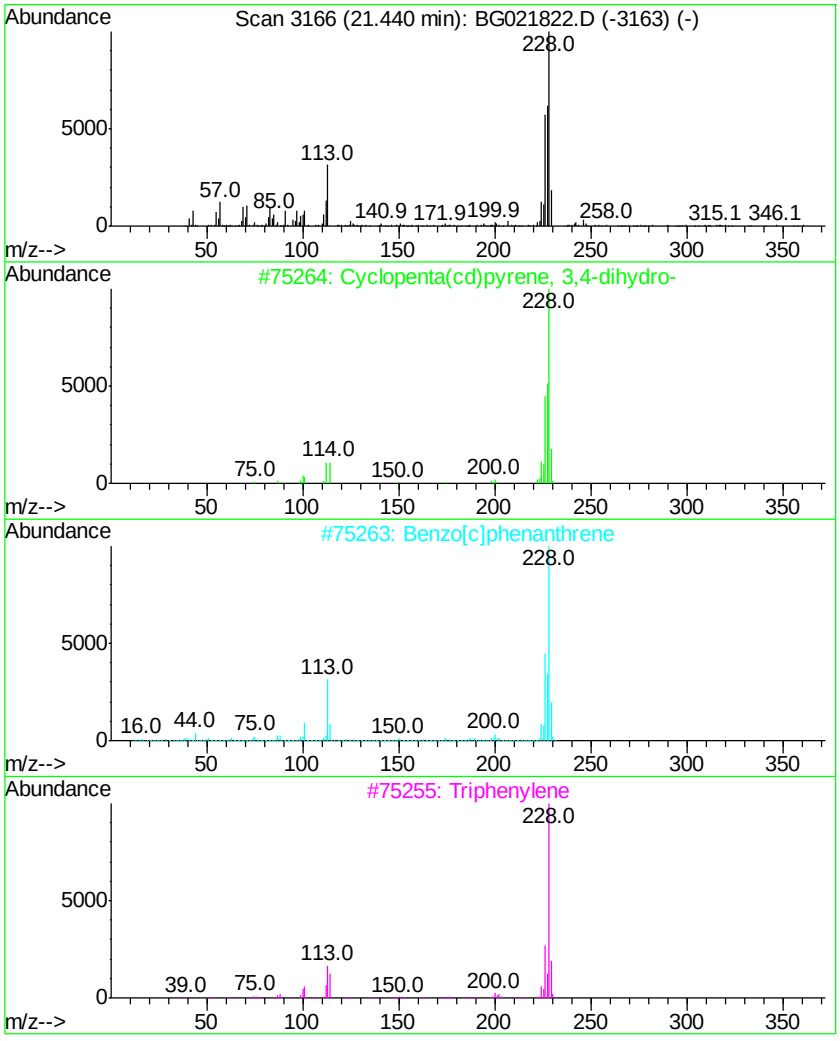
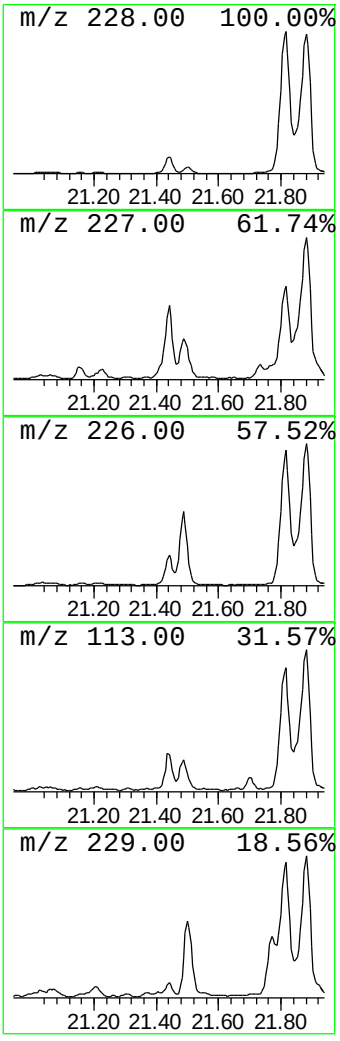
Peak Number 25 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	2.02 ng/ul	628796	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Triphenylene	228	C18H12	000217-59-4	46
4	Benz[a]anthracene	228	C18H12	000056-55-3	43
5	Triphenylene	228	C18H12	000217-59-4	43





Library Search Compound Report

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ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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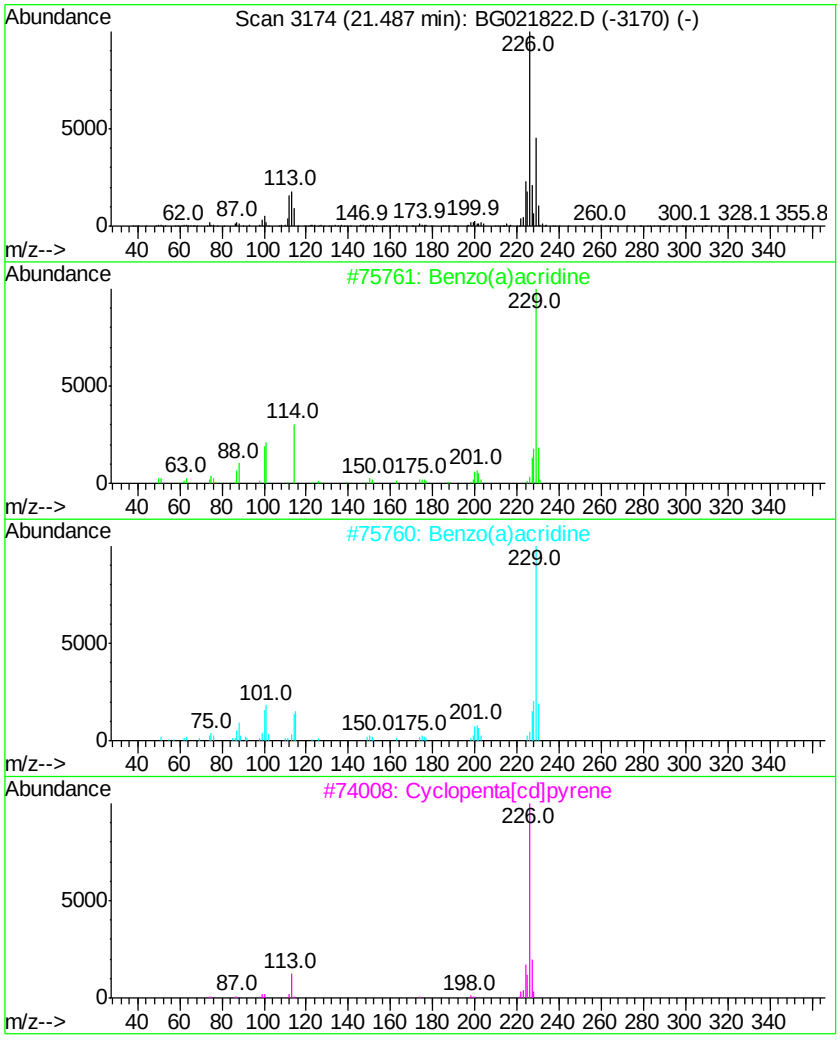
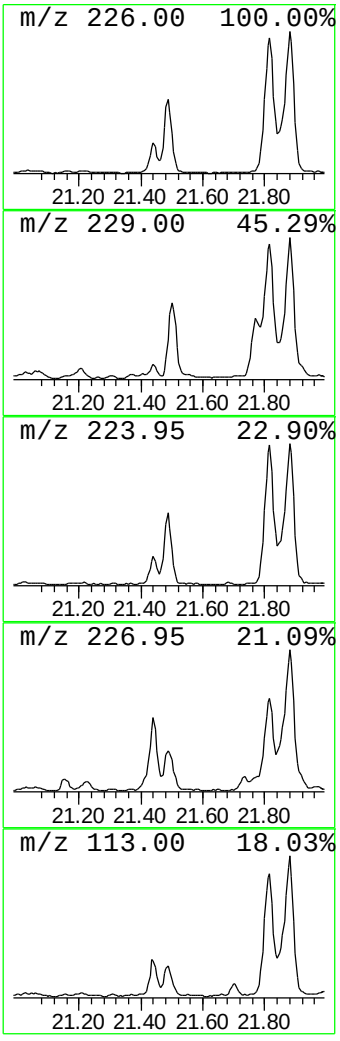
Peak Number 26 unknown-03 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	2.65 ng/ul	826270	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	46
2	Benzo(a)acridine	229	C17H11N	000225-11-6	38
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	30
5	Benz[c]acridine	229	C17H11N	000225-51-4	27





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Sample : H2938-12
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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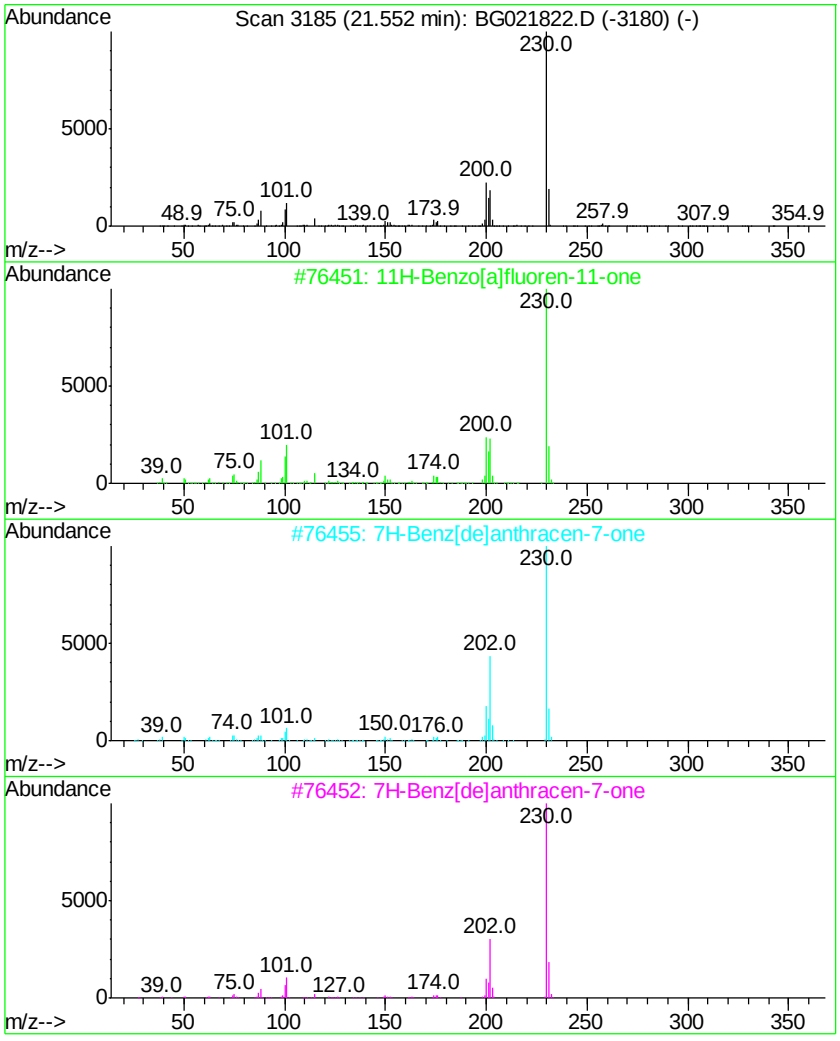
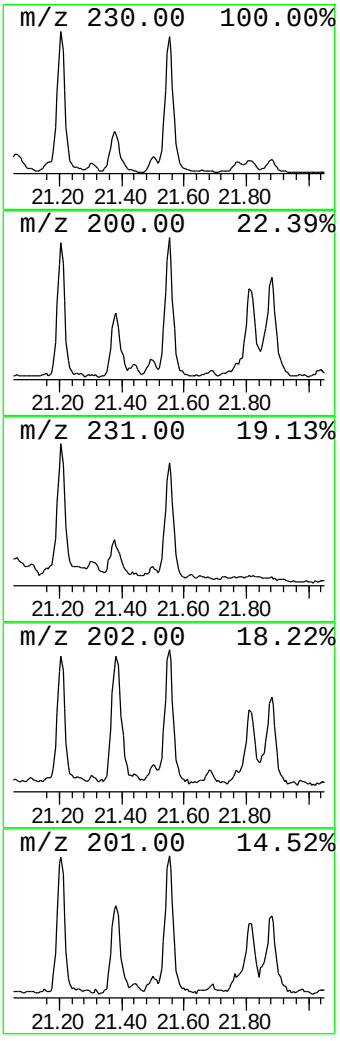
Peak Number 27 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	3.26 ng/ul	1017910	Chrysene-d12	21.83

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	94
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





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Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

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

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Peak Number 28 7H-Benzo[c]carbazole Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.25	2.04 ng/ul	634726	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	86
2	Benzo(c)carbazole	217	C16H11N	034777-33-8	86
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
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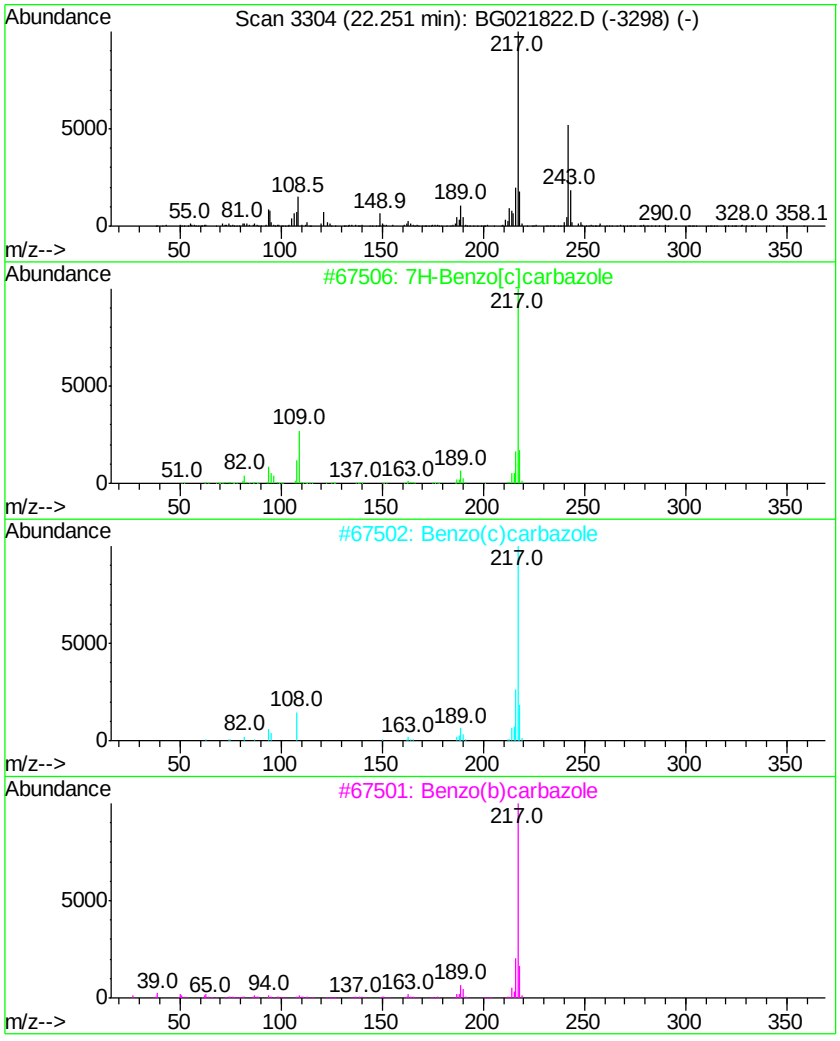

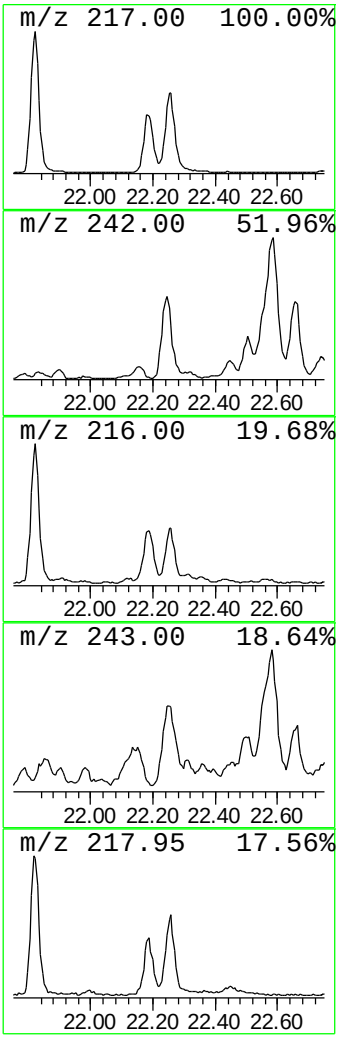

Library Search Compound Report

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Misc :
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ClientSampleId : D9XB0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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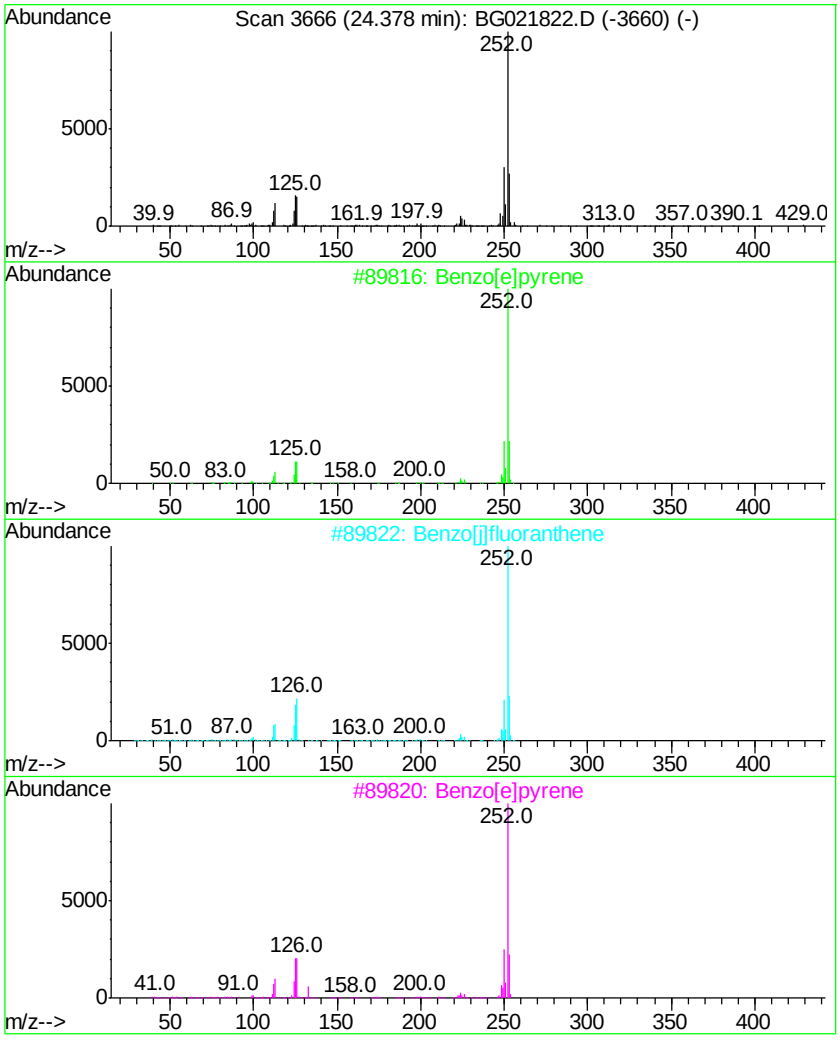
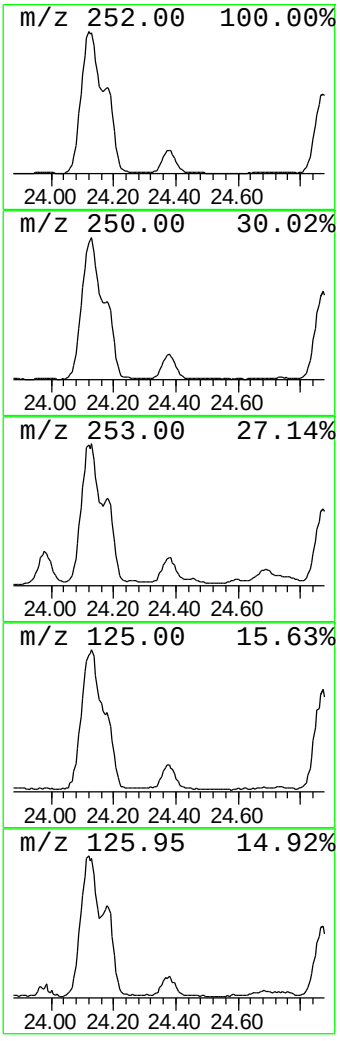
Peak Number 29 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	10.07 ng/ul	597793	Perylene-d12	25.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

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Data File : BG021822.D
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Operator : UM/SJ
Sample : H2938-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XB0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Buten-2-one, 3-...	3.26	5.7	ng/ul	118572	1	8.19	418221	20.0
3-Penten-2-ol	3.36	3.2	ng/ul	67388	1	8.19	418221	20.0
unknown-01	4.11	5.1	ng/ul	106013	1	8.19	418221	20.0
Cyclopentaneaceta...	12.32	4.6	ng/ul	167423	2	11.00	735039	20.0
Iridomyrmecin	14.32	11.3	ng/ul	587039	3	14.80	1037370	20.0
(DEL) Alkane: Str...	16.49	2.6	ng/ul	143893	4	17.54	1085740	20.0
9H-Fluorene, 1-me...	16.85	2.4	ng/ul	129233	4	17.54	1085740	20.0
9H-Fluoren-9-one	17.20	3.0	ng/ul	160132	4	17.54	1085740	20.0
(DEL) Alkane: Str...	17.27	3.0	ng/ul	160663	4	17.54	1085740	20.0
Dibenzothiophene	17.36	2.2	ng/ul	121245	4	17.54	1085740	20.0
Phenanthrene, 2-m...	18.41	10.4	ng/ul	563443	4	17.54	1085740	20.0
4H-Cyclopenta[def...	18.61	15.3	ng/ul	828070	4	17.54	1085740	20.0
Acridine, 9,10-di...	18.71	2.0	ng/ul	109872	4	17.54	1085740	20.0
Naphthalene, 2-ph...	18.91	5.3	ng/ul	286714	4	17.54	1085740	20.0
9,10-Anthracenedione	18.95	8.4	ng/ul	454935	4	17.54	1085740	20.0
Phenanthrene, 2,5...	19.32	6.1	ng/ul	331625	4	17.54	1085740	20.0
unknown-02	19.38	2.0	ng/ul	111347	4	17.54	1085740	20.0
Cyclopenta(def)ph...	19.47	6.8	ng/ul	371033	4	17.54	1085740	20.0
9-Anthracenecarbo...	19.68	3.8	ng/ul	204225	4	17.54	1085740	20.0
Pyrene, 1-methyl-	20.27	2.4	ng/ul	744366	5	21.83	6237250	20.0
Benzo[b]naphtho[2...	21.39	3.3	ng/ul	1027430	5	21.83	6237250	20.0
Cyclopenta(cd)pyr...	21.44	2.0	ng/ul	628796	5	21.83	6237250	20.0
unknown-03	21.49	2.6	ng/ul	826270	5	21.83	6237250	20.0
11H-Benzo[a]fluor...	21.55	3.3	ng/ul	1017910	5	21.83	6237250	20.0
7H-Benzo[c]carbazole	22.25	2.0	ng/ul	634726	5	21.83	6237250	20.0
Benzo[e]pyrene	24.38	10.1	ng/ul	597793	6	25.18	1187610	20.0