LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA G\DATA\BG082117\
Data File : BG028404.D
Acq On : 22 Aug 2017 1:18
Operator : SJ/JU
Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	4.760	194	199	210	rBV2	67797	113494	2.09%	0.207%
2	5.166	262	268	278	rBV	42859	71639	1.32%	0.131%
3	7.498	656	665	682	rBV	112180	233191	4.29%	0.426%
4	7.657	684	692	705	rVB	79550	137657	2.53%	0.251%
5	7.880	716	730	741	rBV	107290	203542	3.74%	0.372%
6	8.344	800	809	820	rBV	157841	286061	5.26%	0.522%
7	9.038	917	927	944	rBV	137082	269358	4.95%	0.492%
8	9.514	998	1008	1018	rBV	109720	214882	3.95%	0.392%
9	10.236	1122	1131	1144	rVB2	96778	192065	3.53%	0.351%
10	10.783	1214	1224	1240	rBV	143962	289192	5.31%	0.528%
11	11.165	1281	1289	1304	rVB	228388	435636	8.01%	0.795%
12	11.294	1304	1311	1324	rBV3	97692	209292	3.85%	0.382%
13	14.337	1822	1829	1834	rBV	297238	453169	8.33%	0.827%
14	14.384	1834	1837	1846	rVB	97399	139599	2.57%	0.255%
15	14.649	1872	1882	1893	rBV	302729	508072	9.34%	0.928%
16	14.954	1926	1934	1940	rBV2	368401	640554	11.77%	1.170%
17	15.013	1940	1944	1951	rVB2	36763	60648	1.11%	0.111%
18	15.160	1962	1969	1980	rBV3	47050	110983	2.04%	0.203%
19	15.348	1996	2001	2009	rVB	29670	52670	0.97%	0.096%
20	15.941	2092	2102	2107	rBV	423692	670603	12.32%	1.224%
21	15.994	2107	2111	2116	rVV2	50367	79667	1.46%	0.145%
22	16.059	2116	2122	2129	rVV2	82985	136311	2.50%	0.249%
23	16.429	2180	2185	2193	rVV4	16122	40572	0.75%	0.074%
24	16.999	2269	2282	2288	rBV4	14557	52563	0.97%	0.096%
25	17.351	2337	2342	2349	rBV	71231	114501	2.10%	0.209%
26	17.516	2365	2370	2376	rBV	59444	87998	1.62%	0.161%
27	17.698	2393	2401	2405	rBV	499381	862259	15.84%	1.574%
28	17.745	2405	2409	2414	rVV	1403840	2144454	39.41%	3.915%
29	17.798	2414	2418	2430	rVV3	491859	927557	17.04%	1.694%
30	17.892	2430	2434	2441	rVB2	73389	130465	2.40%	0.238%
31	18.104	2459	2470	2483	rBV2	207485	458906	8.43%	0.838%
32	18.209	2483	2488	2494	rVV6	27151	49357	0.91%	0.090%
33	18.280	2496	2500	2509	rBV6	31538	62452	1.15%	0.114%
34	18.574	2541	2550	2553	rBV2	121219	260232	4.78%	0.475%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : E7GD3

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

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	18.621	2553	2558	2564	rVB	171320	255526	4.70%	0.467%
36	18.767	2575	2583	2587	rBV5	218840	481385	8.85%	0.879%
37	19.055	2620	2632	2636	rBV2	130308	277919	5.11%	0.507%
38	19.108	2636	2641	2647	rVB	466799	677774	12.45%	1.238%
39	19.202	2655	2657	2663	rVB7	29582	42478	0.78%	0.078%
40	19.302	2669	2674	2678	rVB6	36008	54237	1.00%	0.099%
41	19.349	2678	2682	2686	rBV2	29938	43574	0.80%	0.080%
42	19.390	2686	2689	2695	rVB5	24003	40364	0.74%	0.074%
43	19.478	2697	2704	2706	rBV3	48010	92977	1.71%	0.170%
44	19.625	2721	2729	2735	rVB	137354	267540	4.92%	0.488%
45	19.749	2741	2750	2755	rBV	3631871	5441995	100.00%	9.936%
46	19.807	2756	2760	2761	rBV4	35839	45454	0.84%	0.083%
47	19.931	2776	2781	2784	rBV3	70822	106587	1.96%	0.195%
48	19.984	2785	2790	2799	rVB2	94928	203070	3.73%	0.371%
49	20.072	2799	2805	2807	rBV2	965979	1557630	28.62%	2.844%
50	20.107	2807	2811	2817	rVV	2865935	4246714	78.04%	7.754%
51	20.166	2817	2821	2825	rVB2	104364	149153	2.74%	0.272%
52	20.272	2833	2839	2844	rBV	156999	239030	4.39%	0.436%
53	20.342	2847	2851	2856	rVB	118667	194393	3.57%	0.355%
54	20.418	2857	2864	2870	rBV3	147409	354672	6.52%	0.648%
55	20.477	2870	2874	2880	rVV2	76465	138211	2.54%	0.252%
56	20.589	2880	2893	2903	rVV	274974	755818	13.89%	1.380%
57	20.689	2904	2910	2913	rBV	184197	293279	5.39%	0.535%
58	20.747	2913	2920	2923	rBV2	156146	272131	5.00%	0.497%
59	20.783	2924	2926	2930	rVB	92157	88912	1.63%	0.162%
60	20.894	2941	2945	2948	rBV	82345	127375	2.34%	0.233%
61	20.935	2949	2952	2962	rVB3	98727	165790	3.05%	0.303%
62	21.153	2987	2989	2993	rBV5	25375	41601	0.76%	0.076%
63	21.382	3023	3028	3035	rVB	318574	503627	9.25%	0.920%
64	21.582	3053	3062	3066	rBV3	300029	692390	12.72%	1.264%
65	21.629	3066	3070	3074	rVB	179459	278469	5.12%	0.508%
66	21.682	3074	3079	3083	rBV2	268972	434654	7.99%	0.794%
67	21.740	3084	3089	3101	rVB	347047	683061	12.55%	1.247%
68	21.876	3106	3112	3119	rBV2	81437	182896	3.36%	0.334%
69	22.017	3124	3136	3143	rBV3	1342819	3747261	68.86%	6.842%
70	22.087	3143	3148	3160	rVB	1393777	2692837	49.48%	4.917%
71	22.181	3160	3164	3170	rBV8	38410	70467	1.29%	0.129%

LSC Area Percent Report

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Instrument : BNA_G
ClientSampleId : E7GD3

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

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	22.246	3170	3175	3182	rBV2	174855	330610	6.08%	0.604%
73	22.322	3183	3188	3194	rBV3	91752	174999	3.22%	0.320%
74	22.469	3207	3213	3220	rVV2	188007	390846	7.18%	0.714%
75	22.539	3220	3225	3237	rVB7	63692	174918	3.21%	0.319%
76	22.727	3252	3257	3261	rBV6	34918	71483	1.31%	0.131%
77	22.816	3264	3272	3278	rVB2	106636	263407	4.84%	0.481%
78	22.910	3280	3288	3295	rVB4	157698	396500	7.29%	0.724%
79	22.992	3298	3302	3306	rVB4	40967	64906	1.19%	0.119%
80	23.115	3317	3323	3328	rBV3	101528	239465	4.40%	0.437%
81	23.256	3341	3347	3355	rVB5	84341	208056	3.82%	0.380%
82	23.550	3391	3397	3405	rBV5	67337	187788	3.45%	0.343%
83	24.008	3466	3475	3490	rVB4	84544	298063	5.48%	0.544%
84	24.279	3518	3521	3531	rVB2	47773	85988	1.58%	0.157%
85	24.425	3535	3546	3554	rBV	1116245	4018024	73.83%	7.336%
86	24.696	3585	3592	3608	rVB2	126703	363928	6.69%	0.664%
87	24.919	3623	3630	3644	rBV2	62853	228162	4.19%	0.417%
88	25.213	3670	3680	3688	rBV	547741	1614489	29.67%	2.948%
89	25.301	3689	3695	3700	rVV2	241179	711738	13.08%	1.300%
90	25.377	3700	3708	3718	rVB	771770	2252286	41.39%	4.112%
91	25.542	3720	3736	3743	rBV	275231	972643	17.87%	1.776%
92	25.630	3744	3751	3765	rVB2	200896	689672	12.67%	1.259%
93	26.693	3926	3932	3942	rVB6	74989	236067	4.34%	0.431%
94	28.168	4177	4183	4196	rVB6	48163	164863	3.03%	0.301%
95	29.572	4406	4422	4440	rVB3	399149	2093069	38.46%	3.822%
96	29.948	4480	4486	4493	rBV9	20131	64456	1.18%	0.118%
97	30.066	4499	4506	4521	rVB4	55839	250588	4.60%	0.458%
98	30.242	4527	4536	4549	rBV3	60276	244990	4.50%	0.447%
99	30.836	4621	4637	4654	rBV3	249785	1273172	23.40%	2.325%
100	31.500	4743	4750	4751	rBV7	28346	62855	1.15%	0.115%

Sum of corrected areas: 54768883

LSC Report - Integrated Chromatogram

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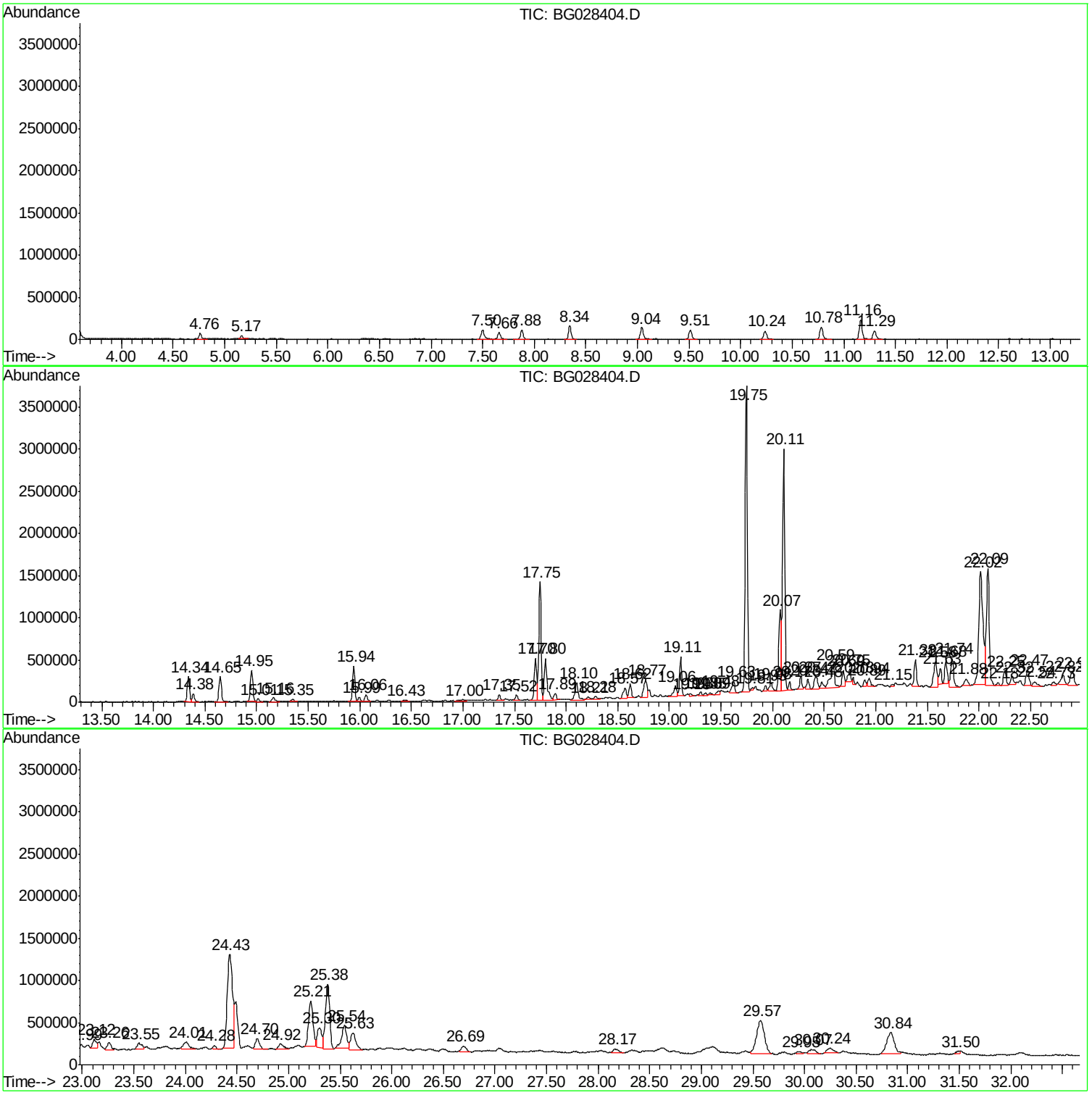
Data File : BG028404.D
Acq On : 22 Aug 2017 1:18
Operator : SJ/JU
Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : U:\HPCHEM1\BNA G\DATA\BG082117\
Data File : BG028404.D
Acq On : 22 Aug 2017 1:18
Operator : SJ/JU
Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

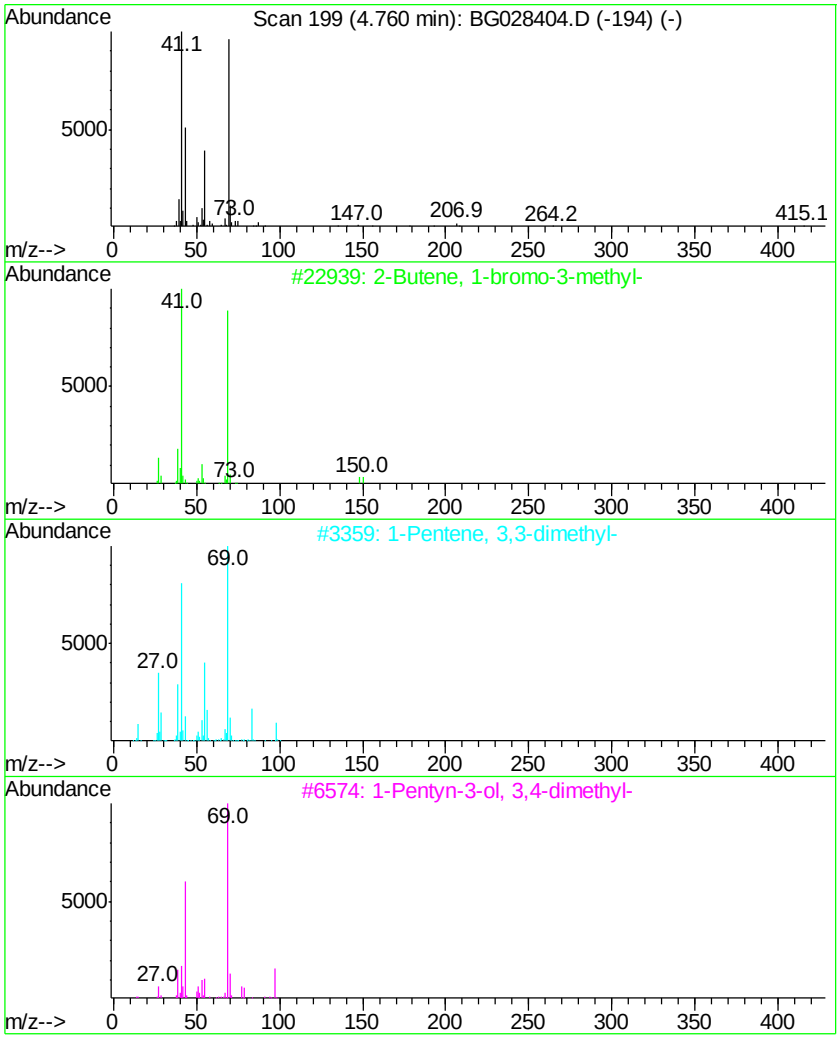
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

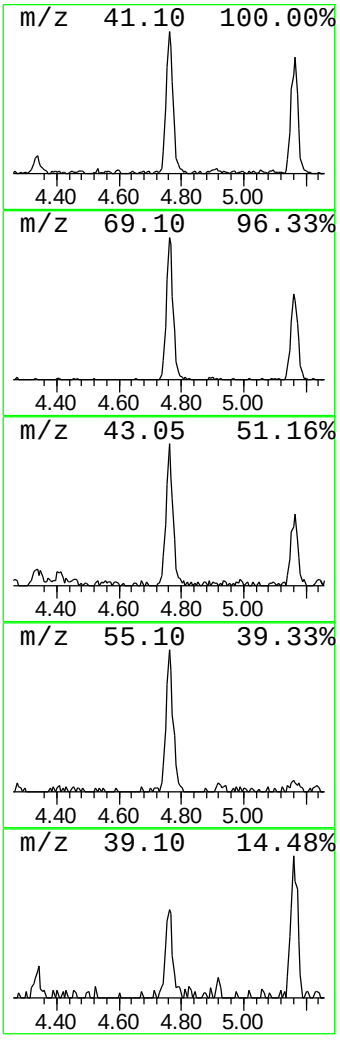
****

Peak Number 1 2-Butene, 1-bromo-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	7.93 ng/ul	113494	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	64
2	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	64
3	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	50
4	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	014617-88-0	42
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	40





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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

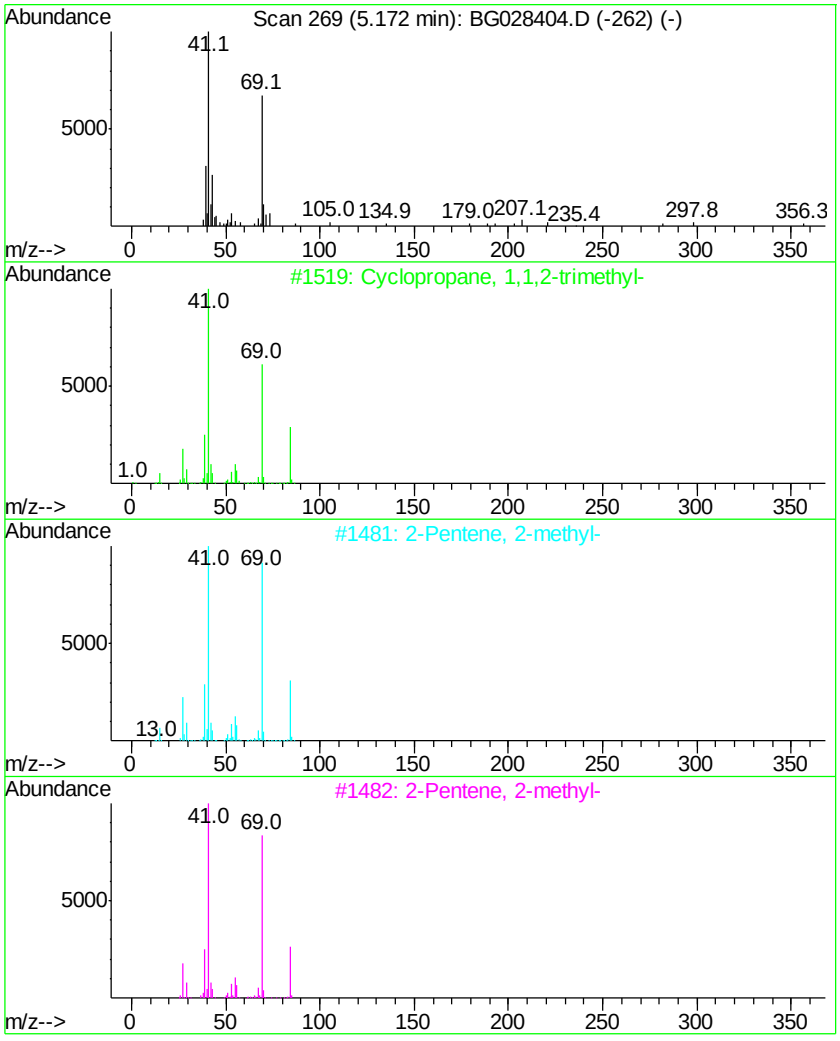
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

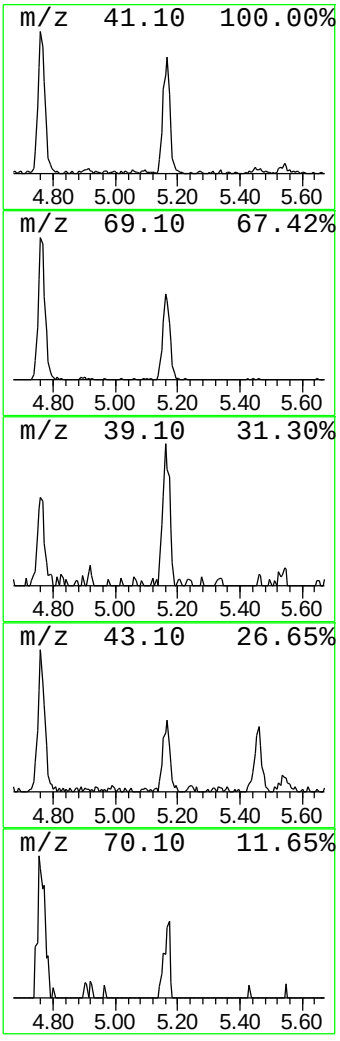
****

Peak Number 2 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	5.01 ng/ul	71639	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	47
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	47
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	47
4	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	47
5	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	47





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Quant Title : SVOA CALIBRATION

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

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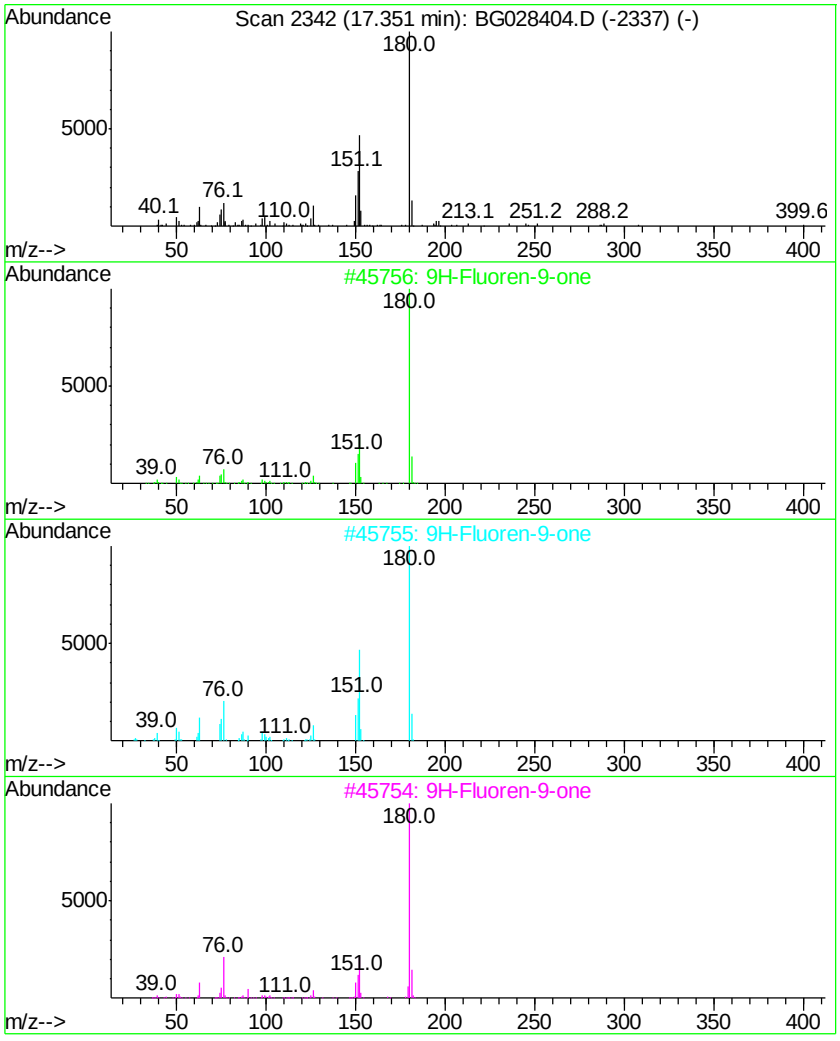
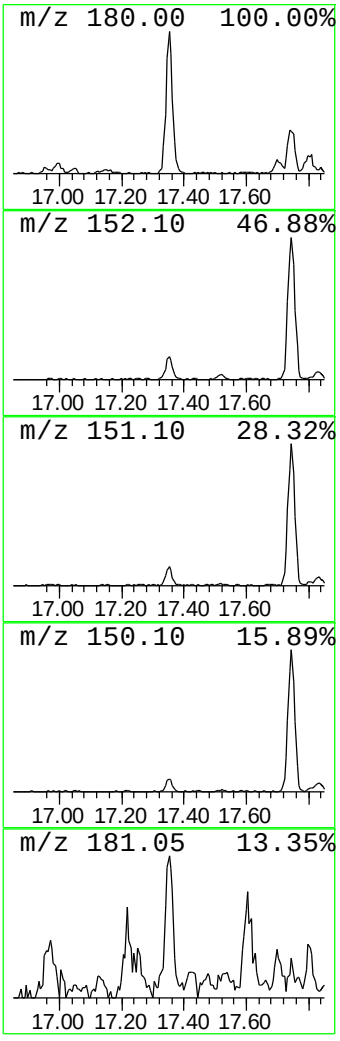
Peak Number 3 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	2.66 ng/ul	114501	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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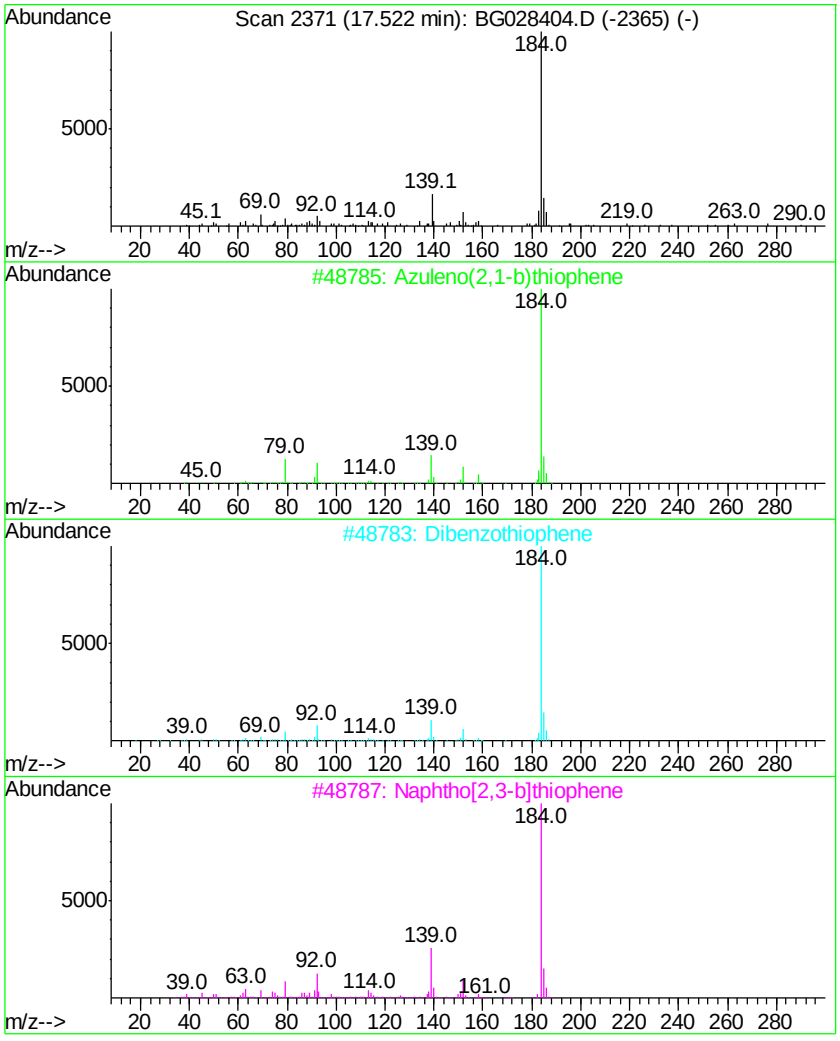
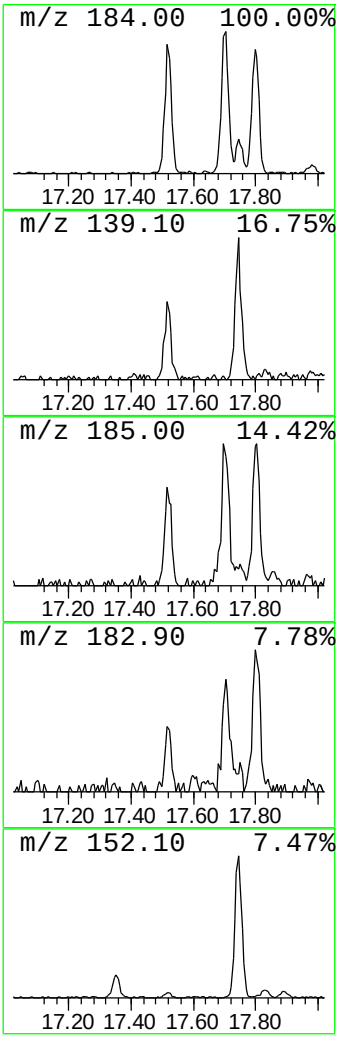
Peak Number 4 Azuleno(2,1-b)thiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	2.04 ng/ul	87998	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
2	Dibenzothiophene	184	C12H8S	000132-65-0	83
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
4	Dibenzothiophene	184	C12H8S	000132-65-0	83
5	Dibenzothiophene	184	C12H8S	000132-65-0	80





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Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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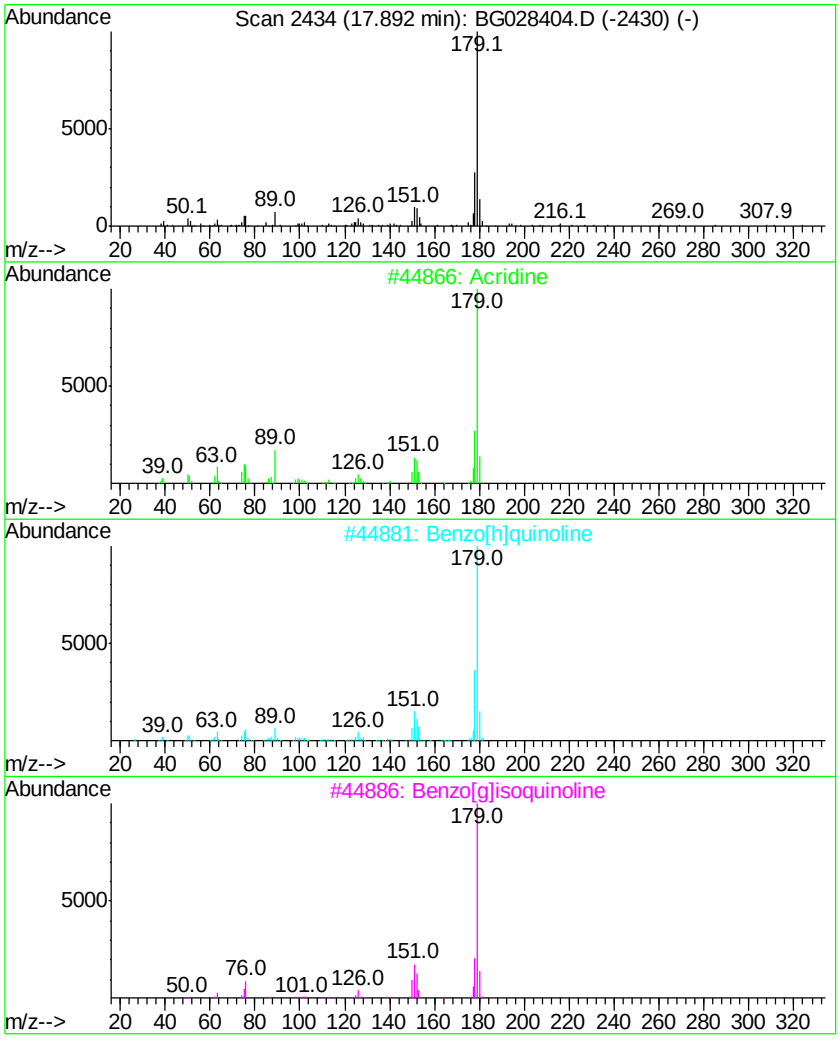
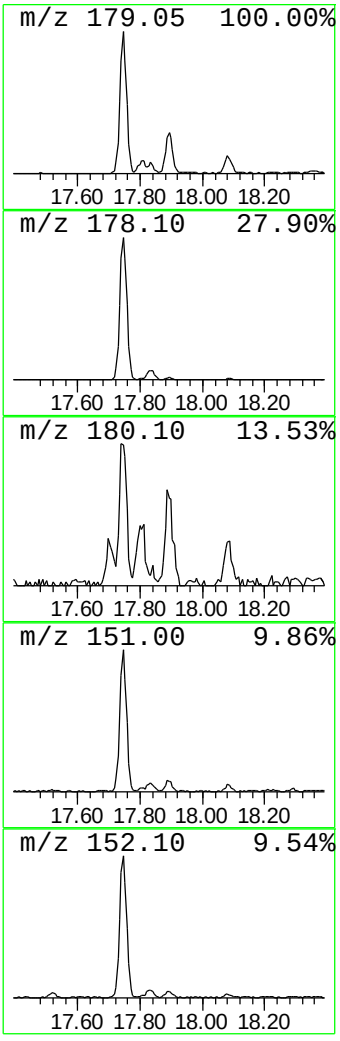
Peak Number 5 Acridine Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.03 ng/ul	130465	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	91
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
3	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	91
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	90





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Sample : I4714-01
Misc :
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ClientSampleId : E7GD3

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Quant Title : SVOA CALIBRATION

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

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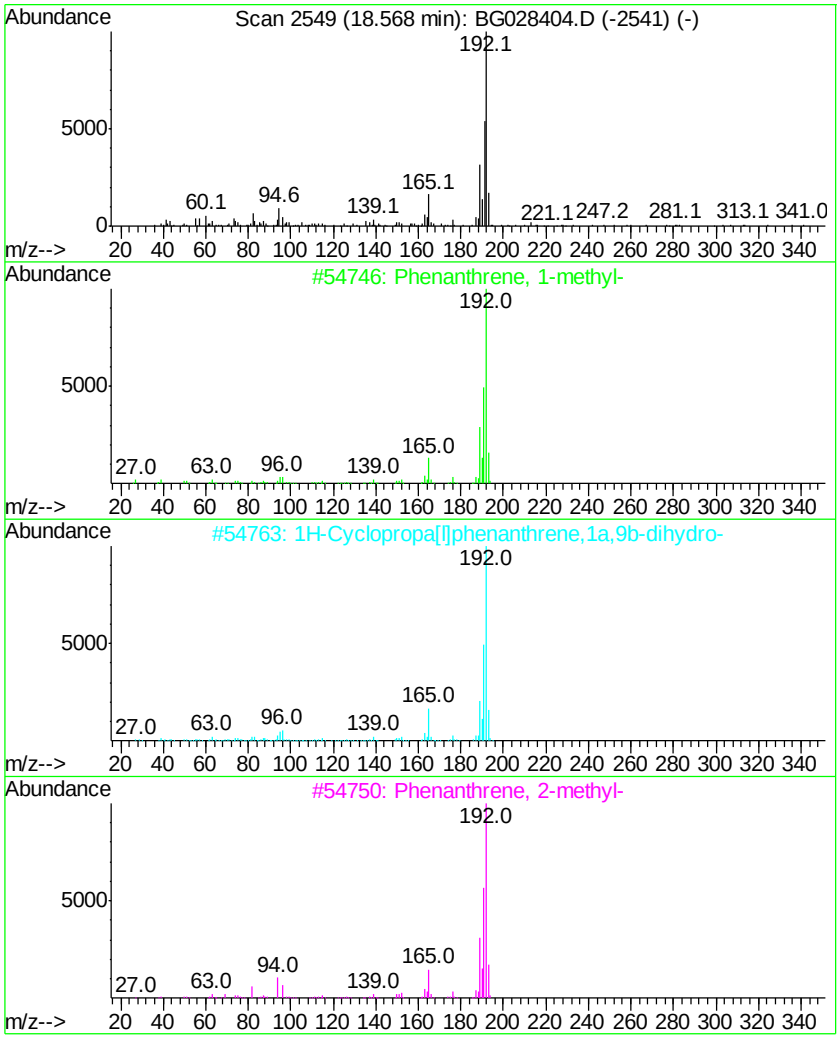
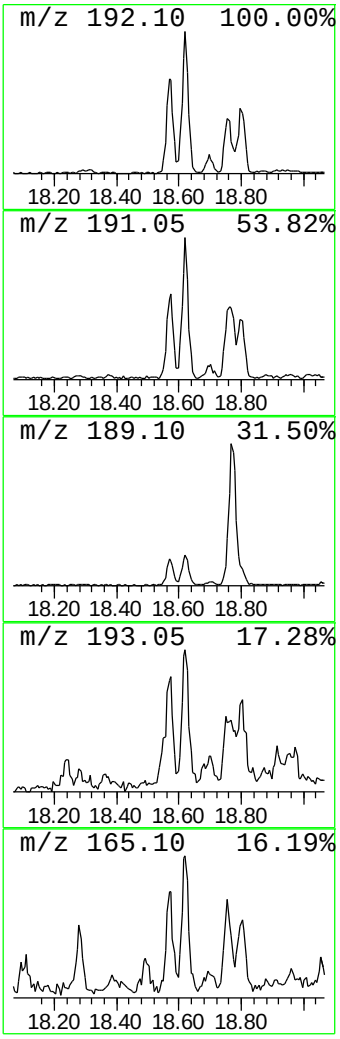
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	6.04 ng/ul	260232	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76





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ClientSampleId : E7GD3

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Quant Title : SVOA CALIBRATION

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

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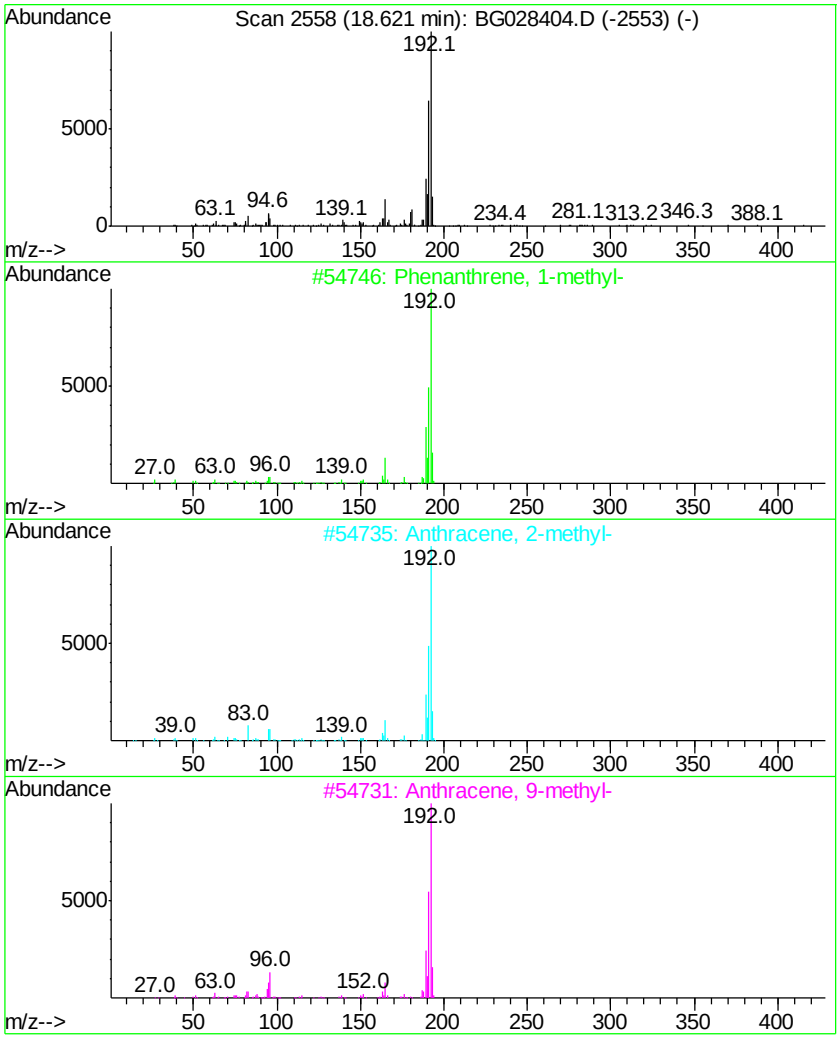
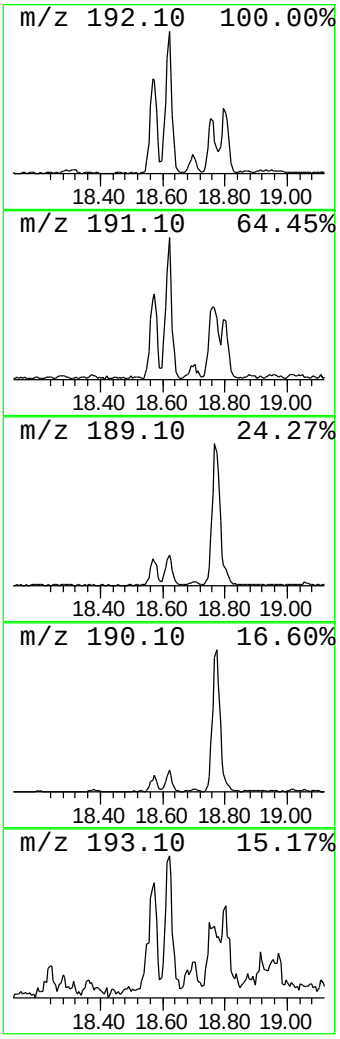
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	5.93 ng/ul	255526	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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ClientSampleId : E7GD3

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Quant Title : SVOA CALIBRATION

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

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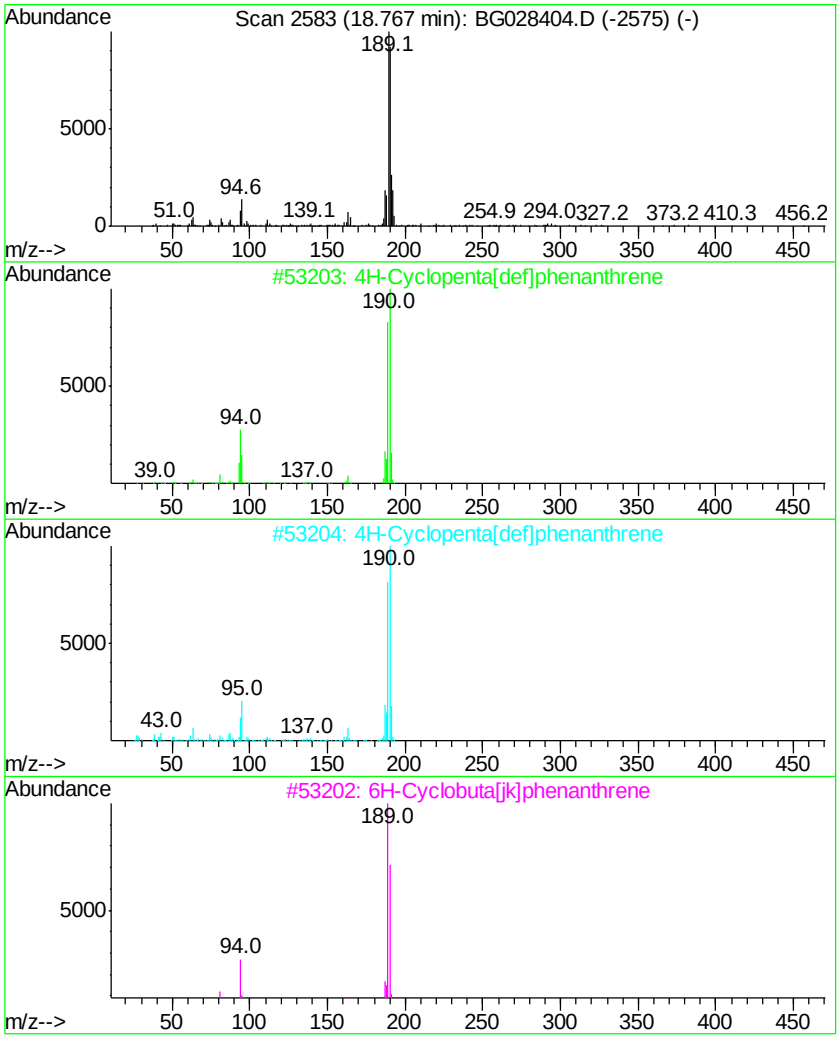
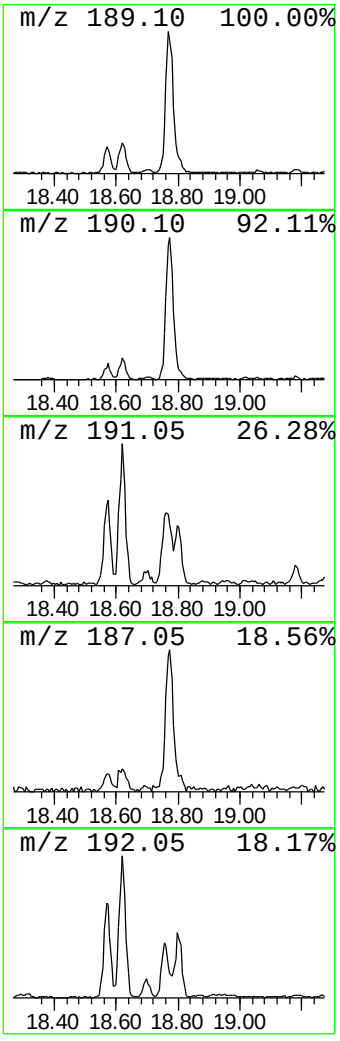
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	11.17 ng/ul	481385	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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ClientSampleId : E7GD3

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Quant Title : SVOA CALIBRATION

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

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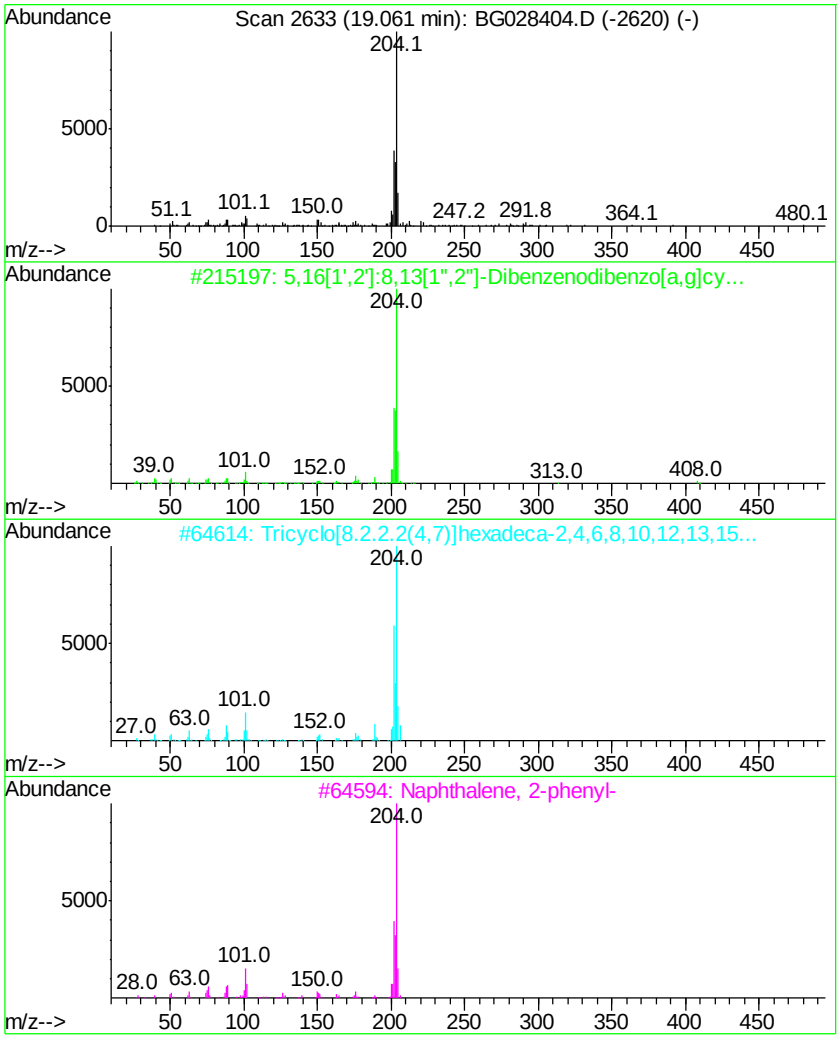
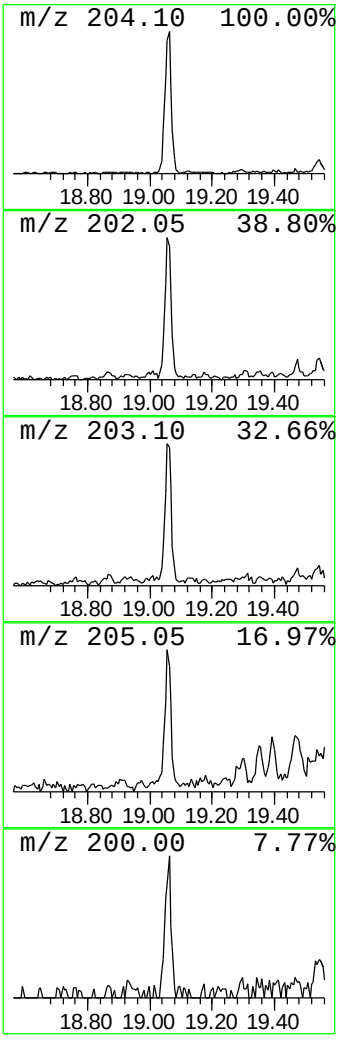
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	6.45 ng/ul	277919	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70





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Quant Title : SVOA CALIBRATION

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

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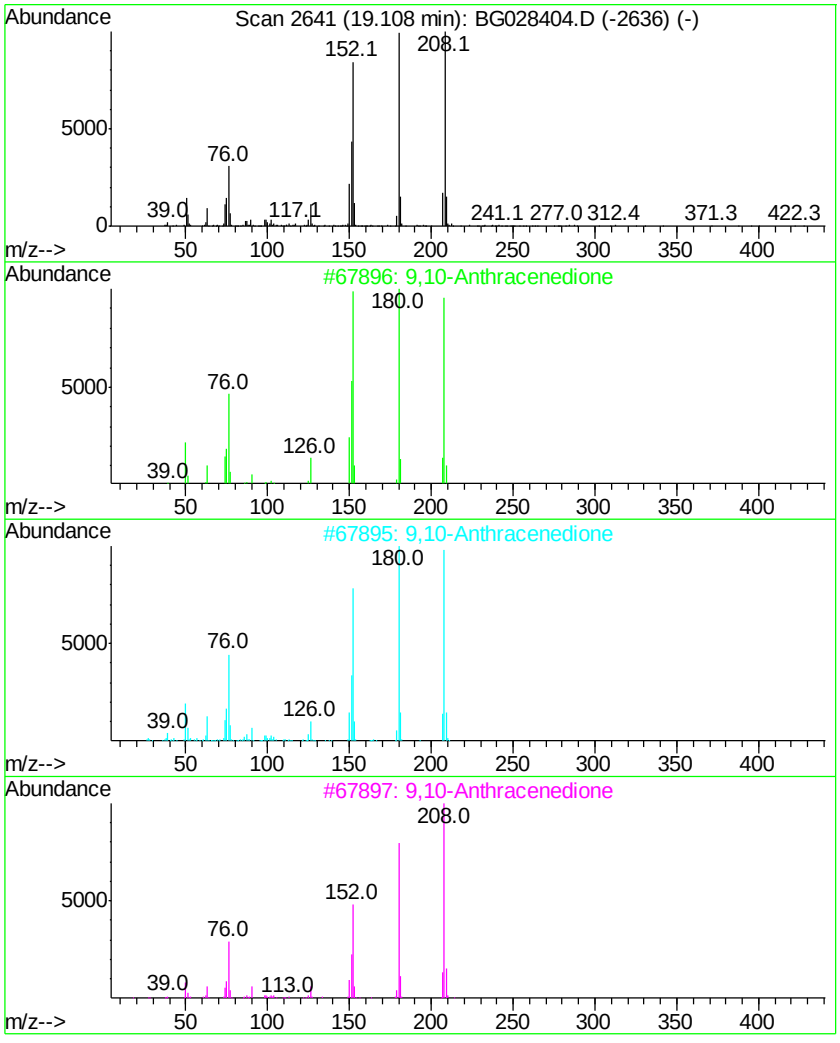
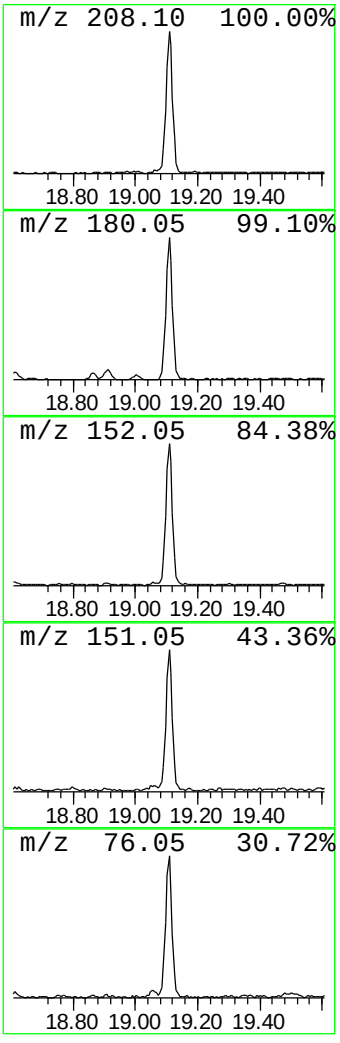
Peak Number 10 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	15.72 ng/ul	677774	Phenanthrene-d10	17.70

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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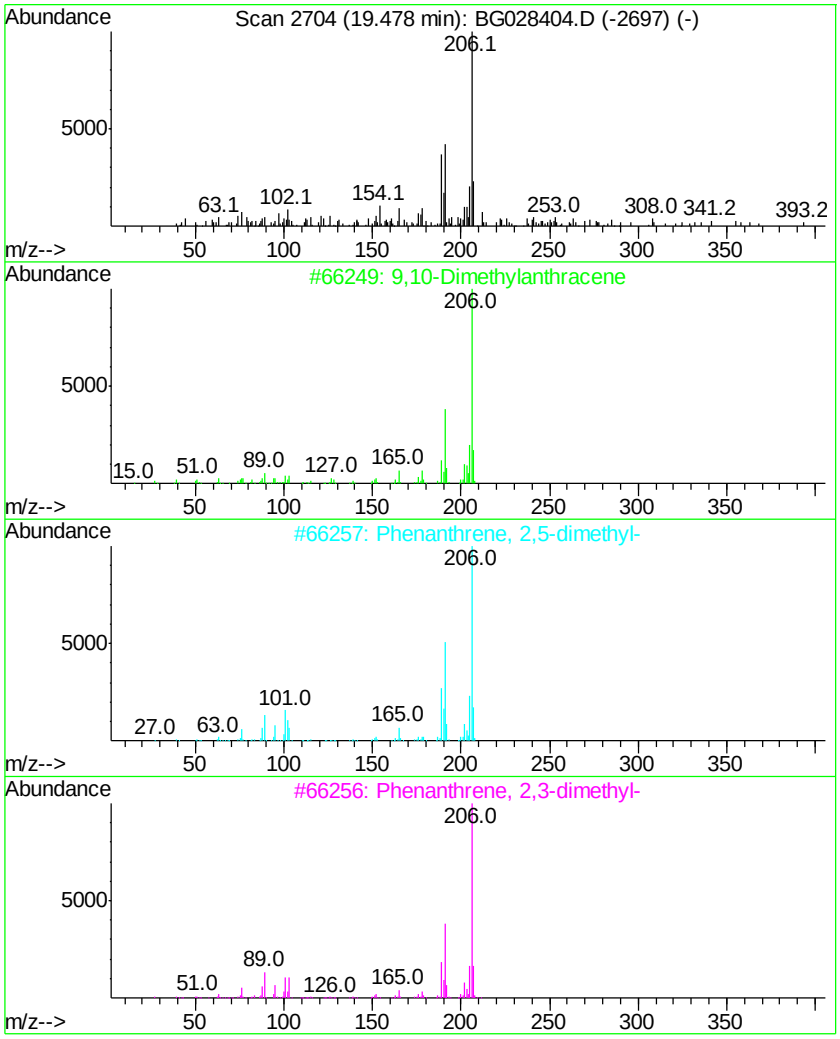
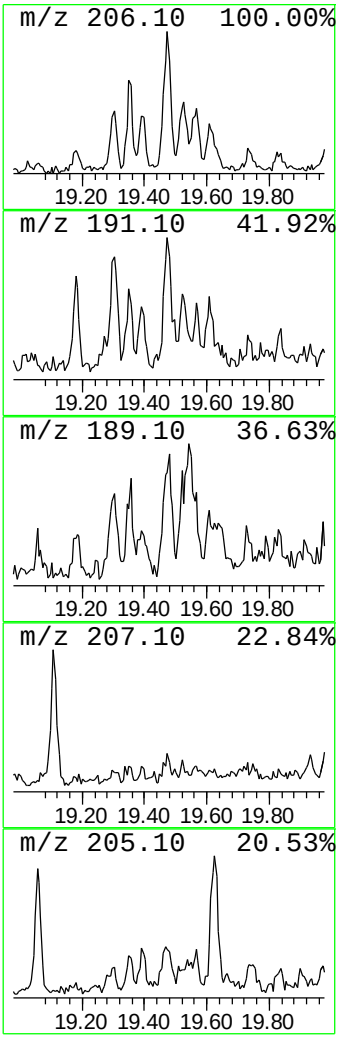
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	2.16 ng/ul	92977	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	68
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64





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ClientSampleId : E7GD3

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Quant Title : SVOA CALIBRATION

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

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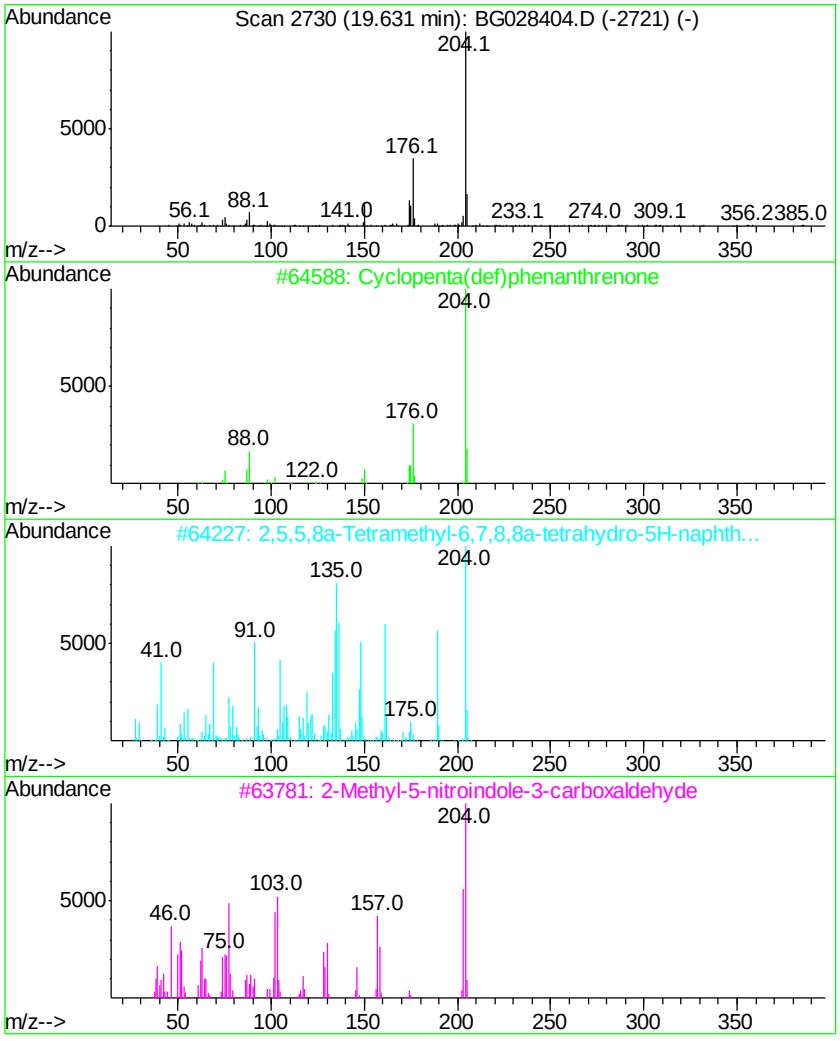
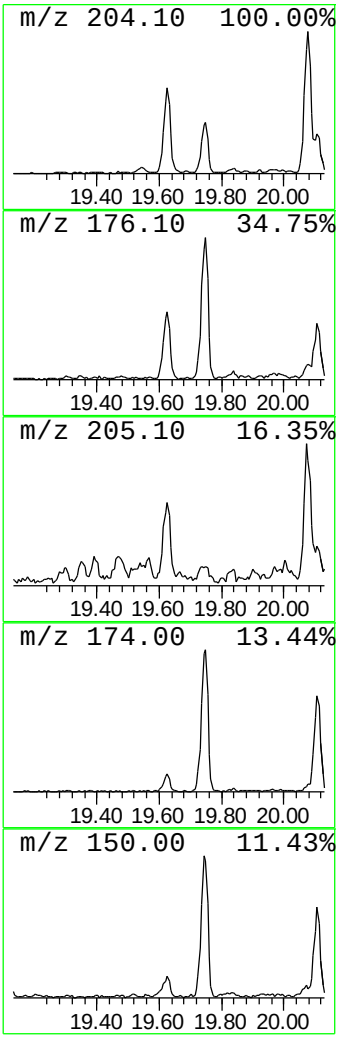
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	6.21 ng/ul	267540	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	43
3	2-Methyl-5-nitroindole-3-carboxa...	204	C10H8N2O3	003558-17-6	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	42
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	42





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Quant Title : SVOA CALIBRATION

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

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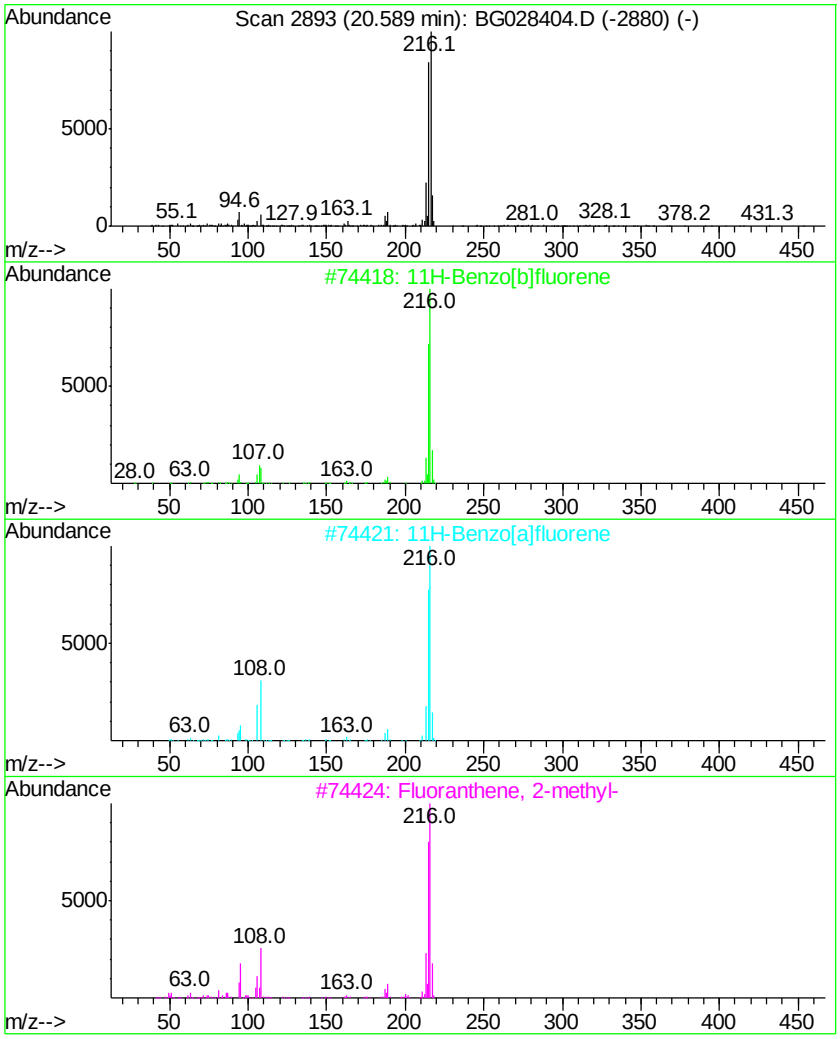
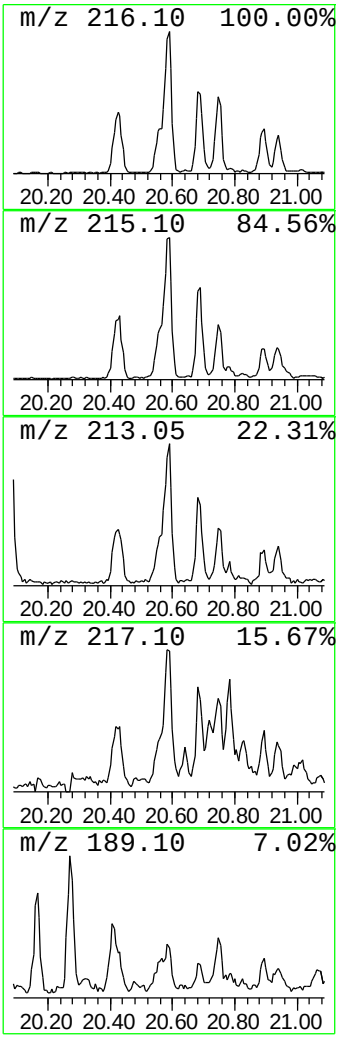
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	4.03 ng/ul	755818	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Quant Title : SVOA CALIBRATION

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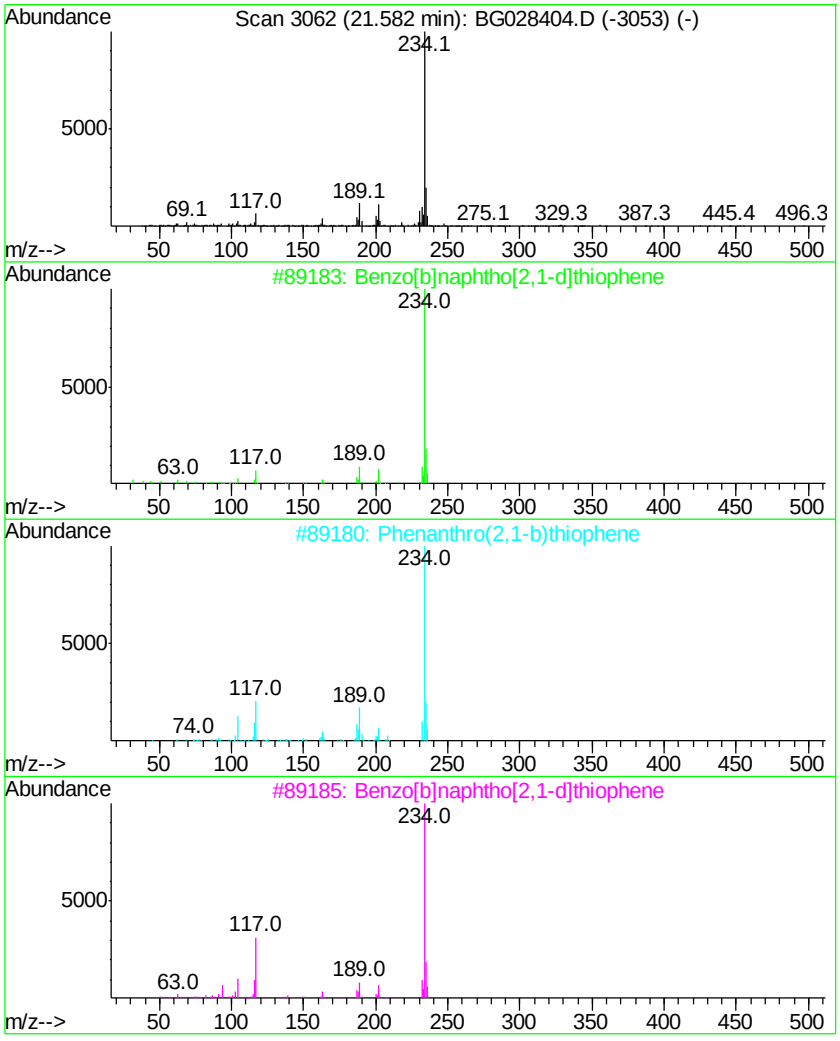
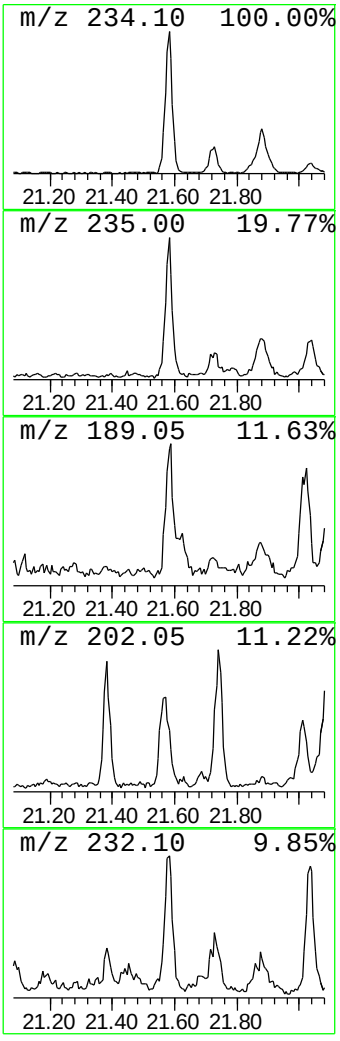
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	3.70 ng/ul	692390	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	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[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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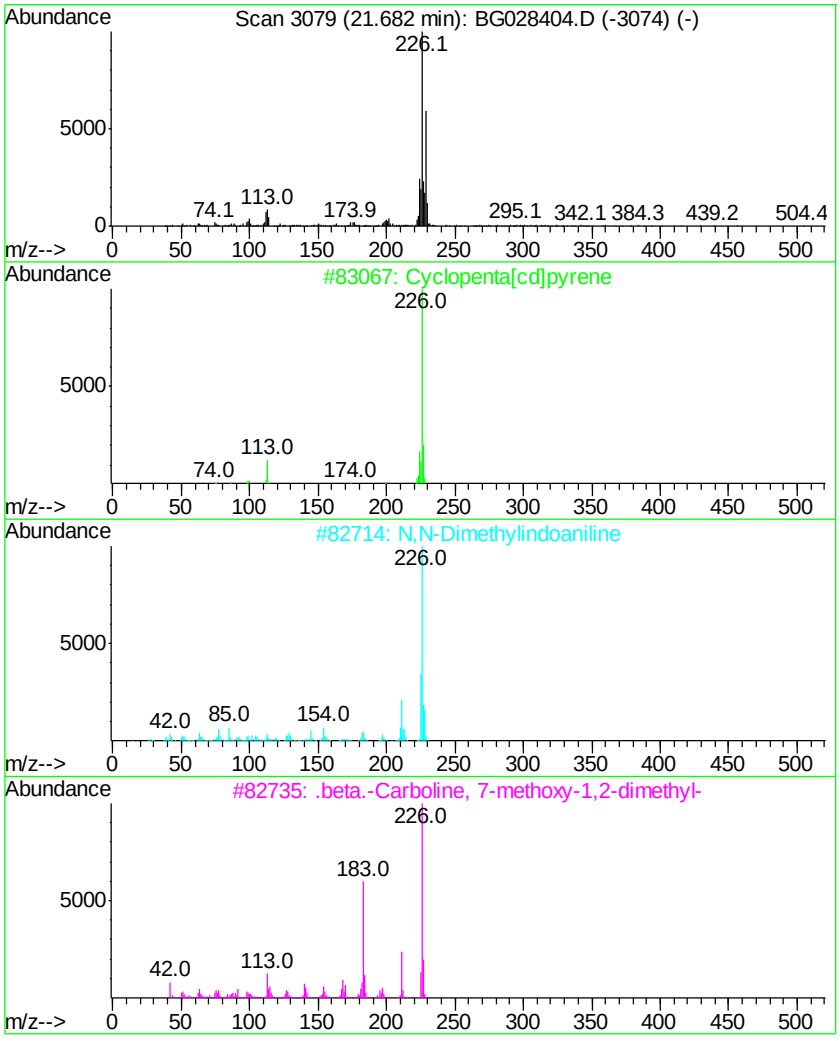
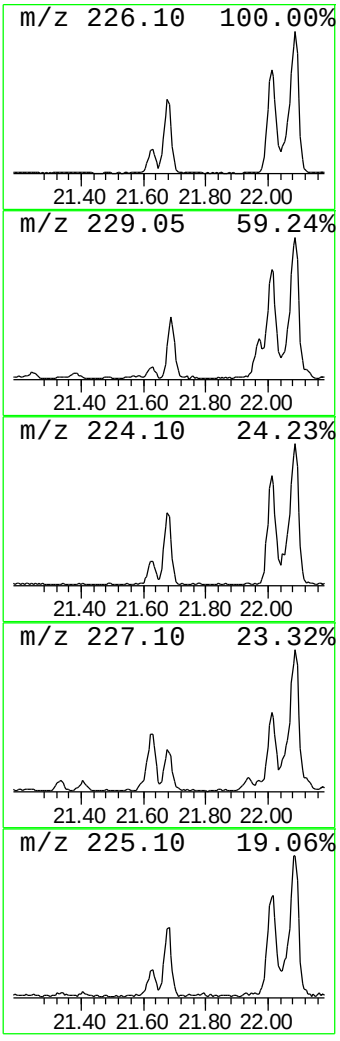
Peak Number 16 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	2.32 ng/ul	434654	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	43
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38





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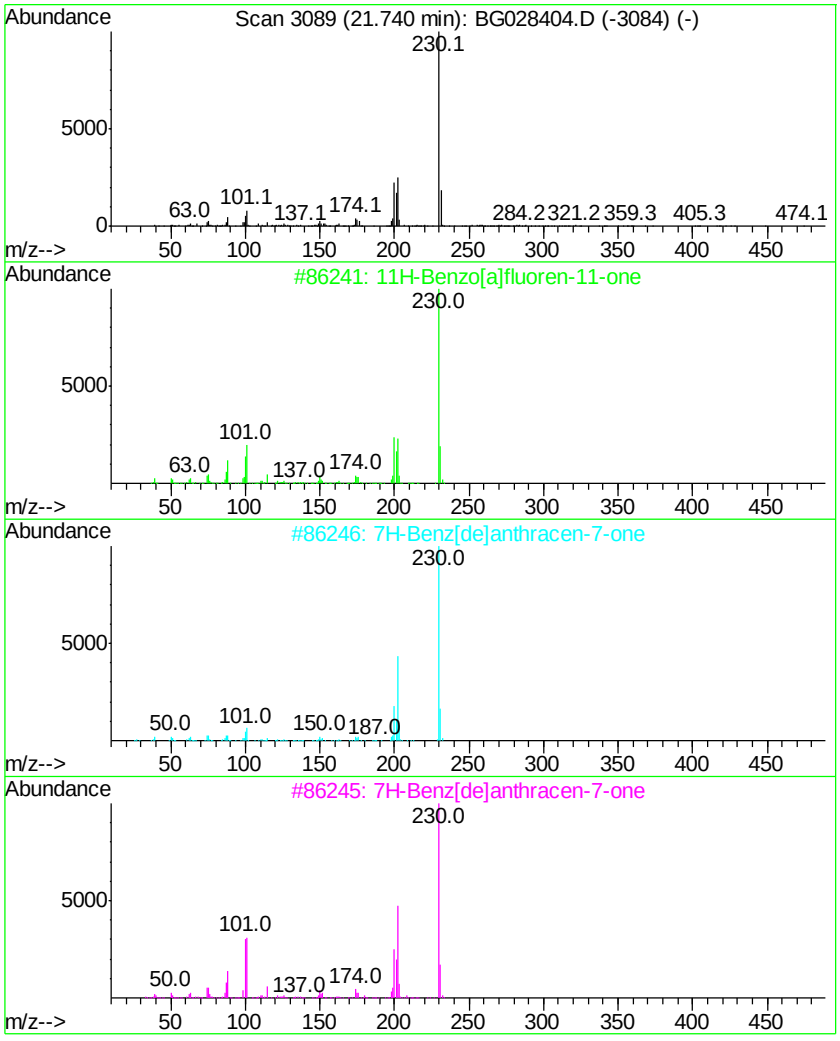
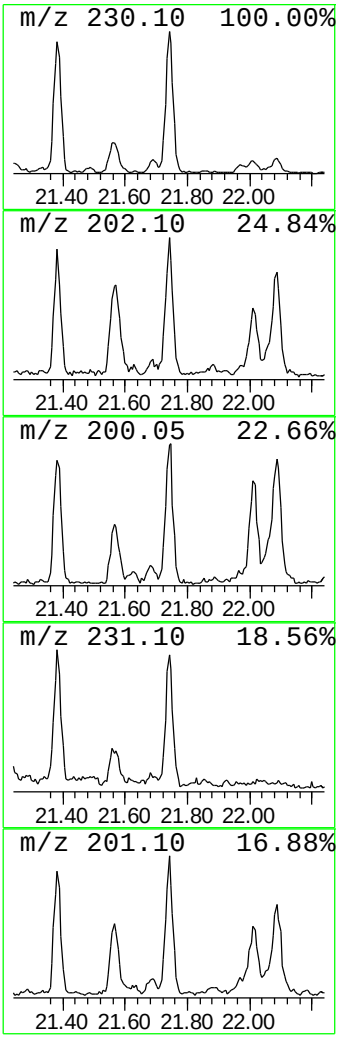
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	3.65 ng/ul	683061	Chrysene-d12	22.03

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	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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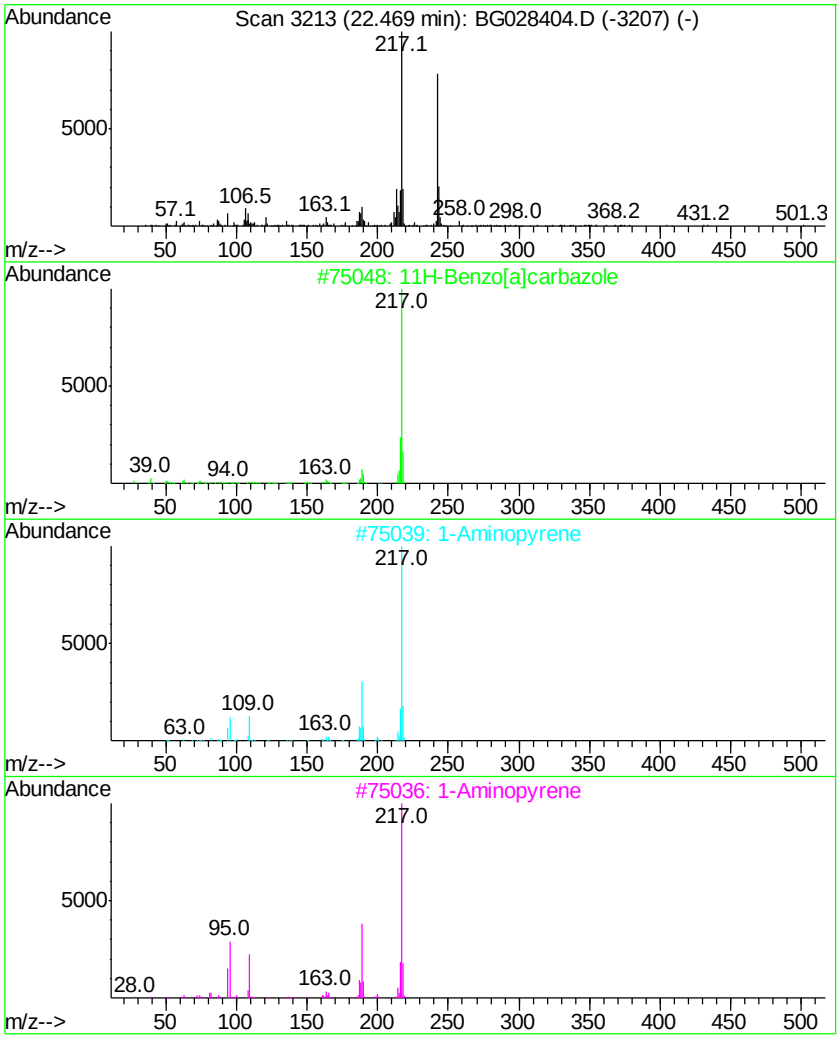
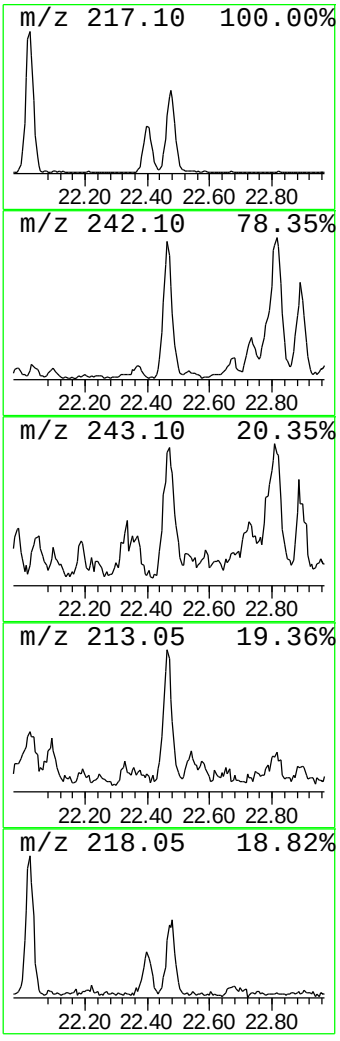
Peak Number 18 unknown-03 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.47	2.09 ng/ul	390846	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	38
2	1-Aminopyrene	217	C16H11N	001606-67-3	38
3	1-Aminopyrene	217	C16H11N	001606-67-3	38
4	Benzo(b)carbazole	217	C16H11N	000243-28-7	38
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	38





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Data File : BG028404.D
Acq On : 22 Aug 2017 1:18
Operator : SJ/JU
Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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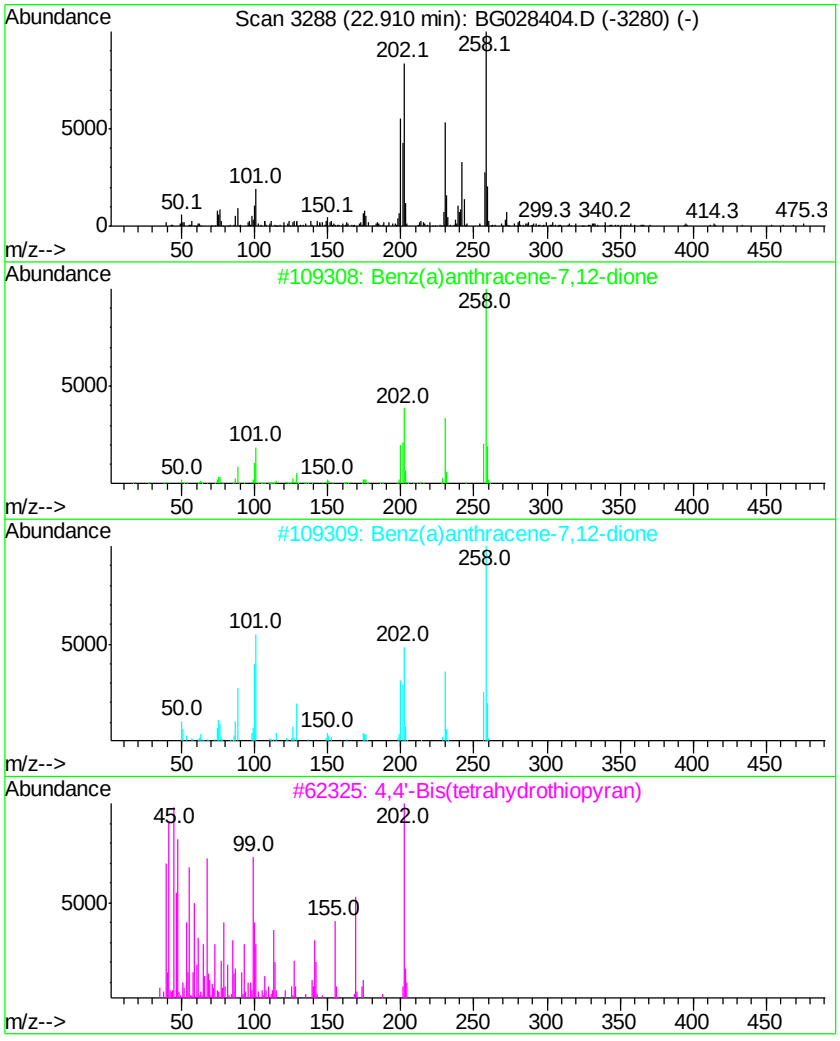
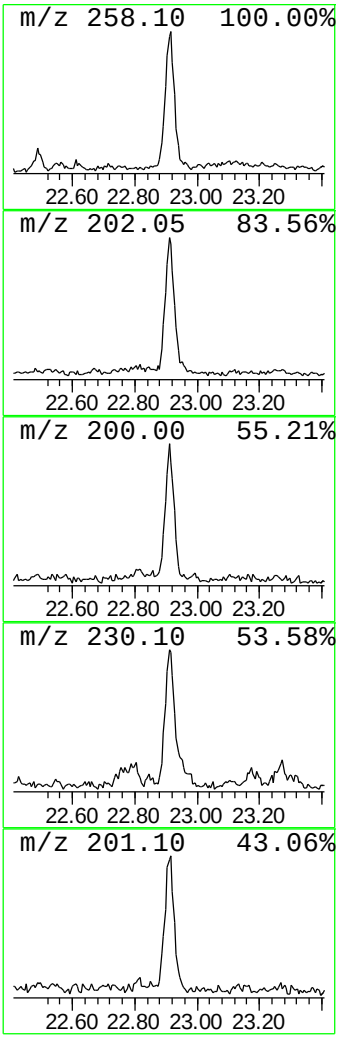
Peak Number 19 Benz(a)anthracene-7,12-dione Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.91	2.12 ng/ul	396500	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	89





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Sample : I4714-01
Misc :
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Instrument : BNA_G
ClientSampleId : E7GD3

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Quant Title : SVOA CALIBRATION

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

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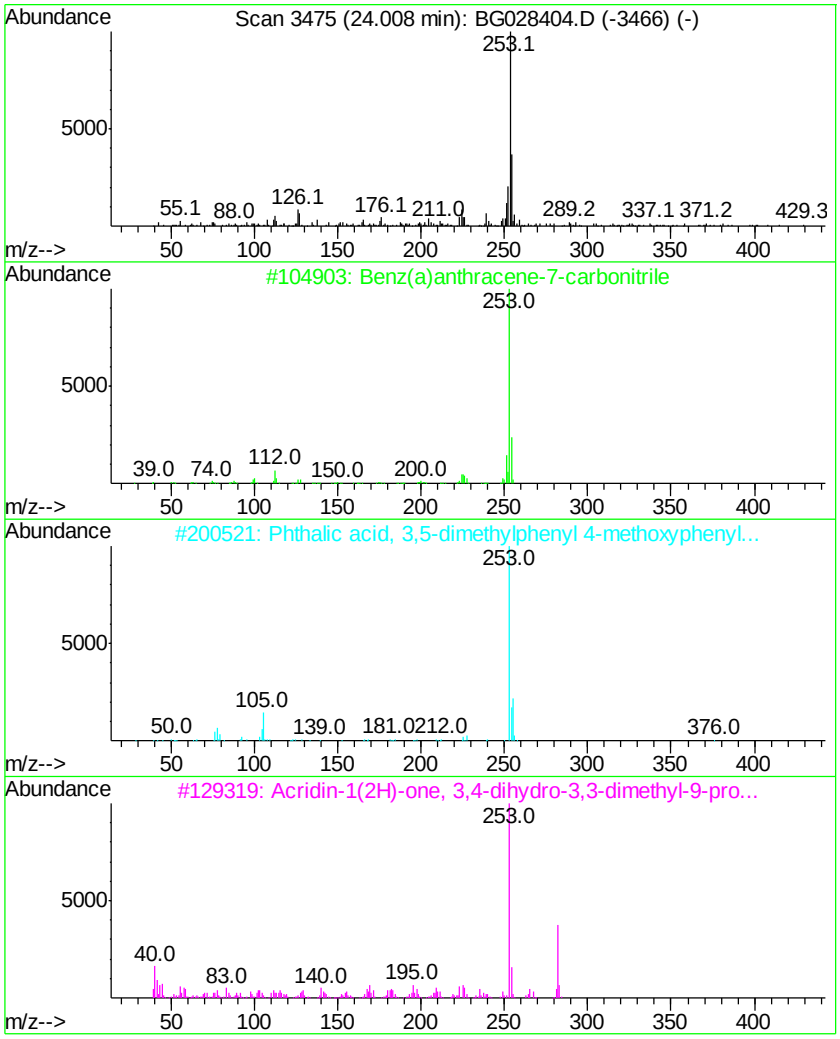
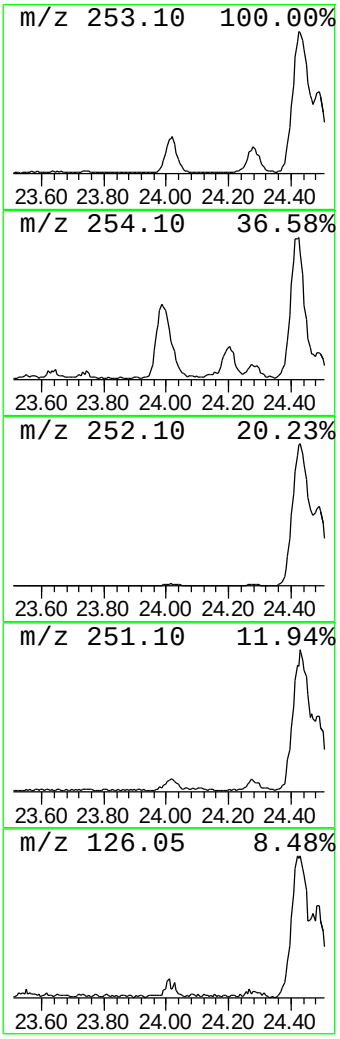
Peak Number 20 Benz(a)anthracene-7-carboni... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	6.13 ng/ul	298063	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	68
2	Phthalic acid, 3,5-dimethylpheny...	376	C23H20O5	1000315-68-2	47
3	Acridin-1(2H)-one, 3,4-dihydro-3...	282	C18H22N2O	146352-02-5	40
4	1,3-Isoindolinedione, 2-(4-metho...	253	C15H11NO3	002142-04-3	38
5	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	33





Library Search Compound Report

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Operator : SJ/JU
Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

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Quant Title : SVOA CALIBRATION

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

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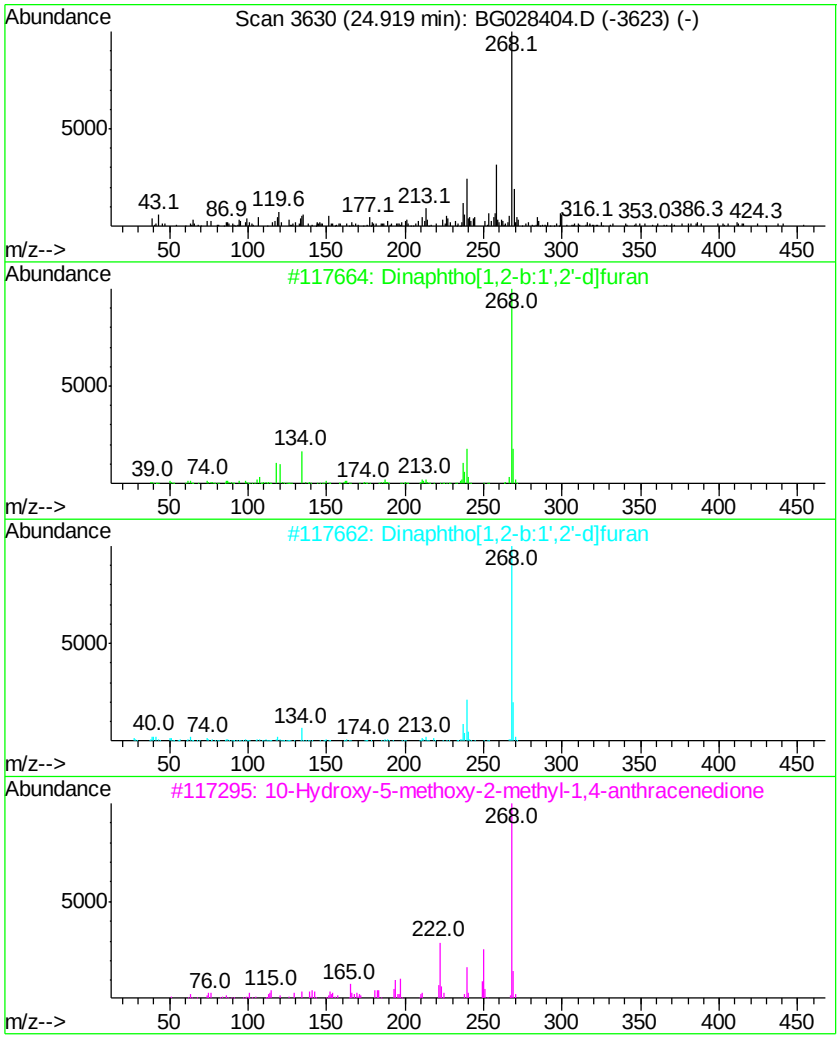
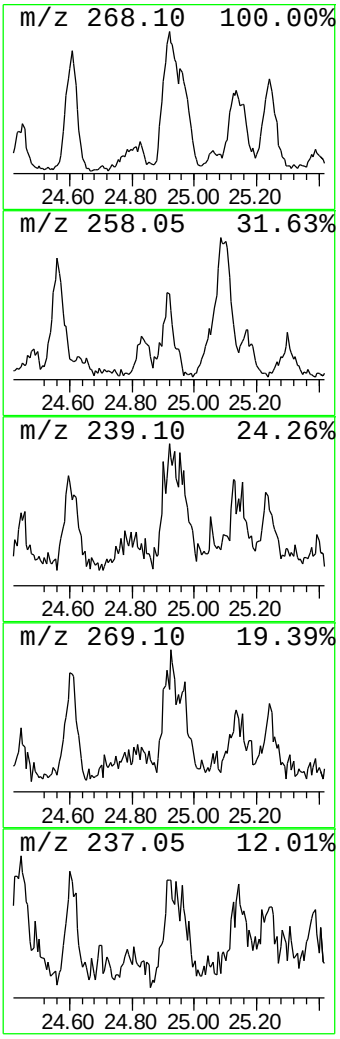
Peak Number 22 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.92	4.69 ng/ul	228162	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
3	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58
4	1H-Pyrrole-2,5-dione, 1,1'-(1,3-...	268	C14H8N2O4	003006-93-7	53
5	(5H,10H)Anthracene, 2,3,7,8-bis(...	268	C16H12O4	1000116-12-4	52





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Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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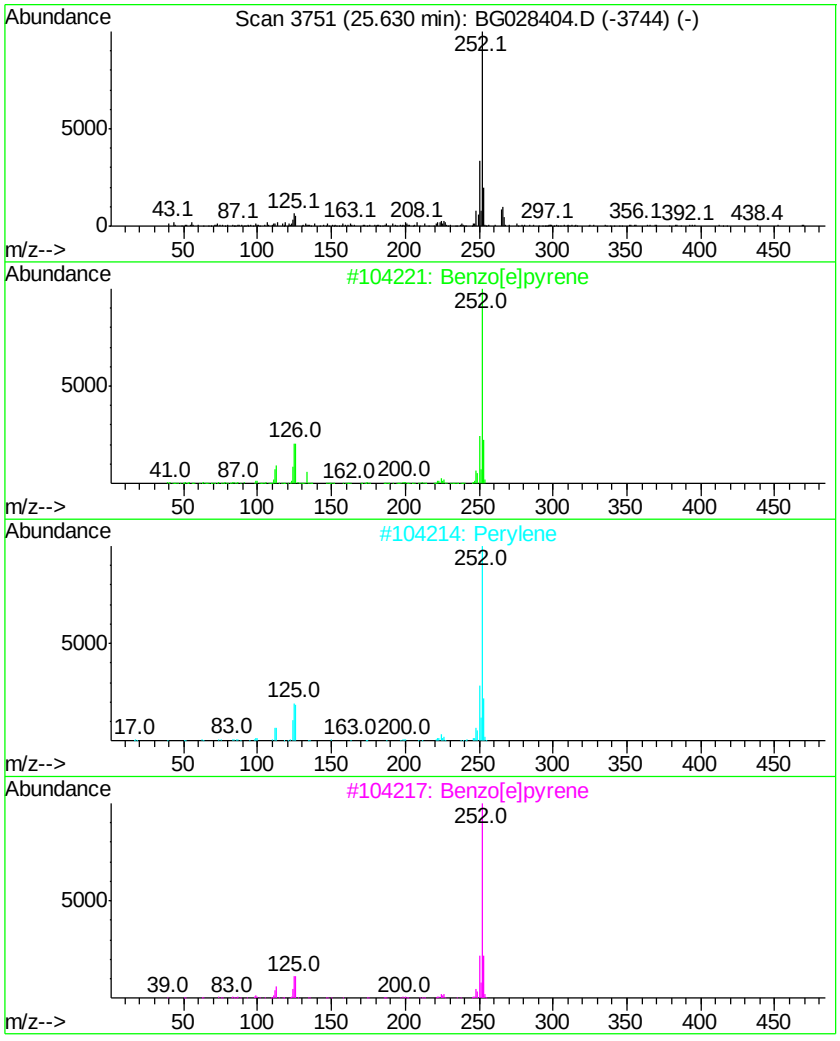
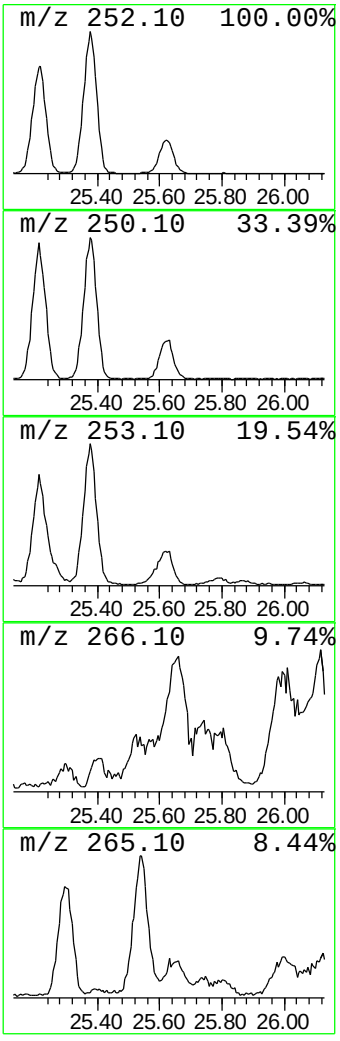
Peak Number 24 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.63	14.18 ng/ul	689672	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	86
2	Perylene	252	C20H12	000198-55-0	83
3	Benzo[e]pyrene	252	C20H12	000192-97-2	70
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70
5	Perylene	252	C20H12	000198-55-0	70





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Acq On : 22 Aug 2017 1:18
Operator : SJ/JU
Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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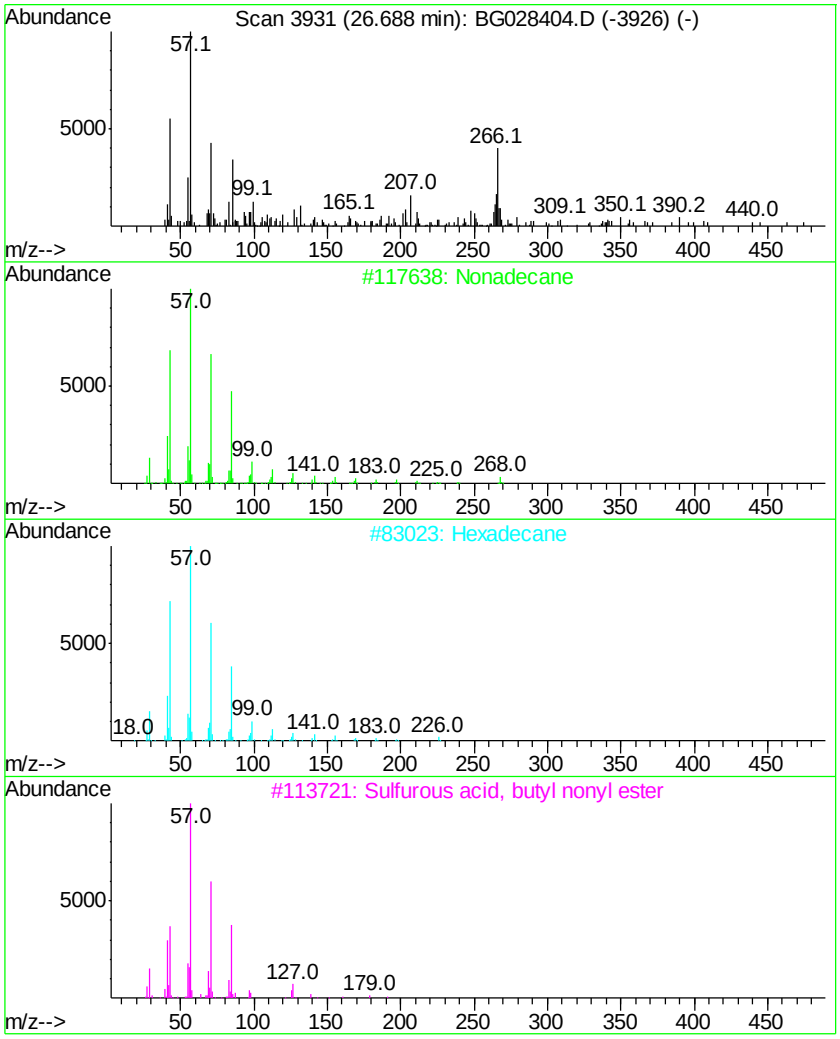
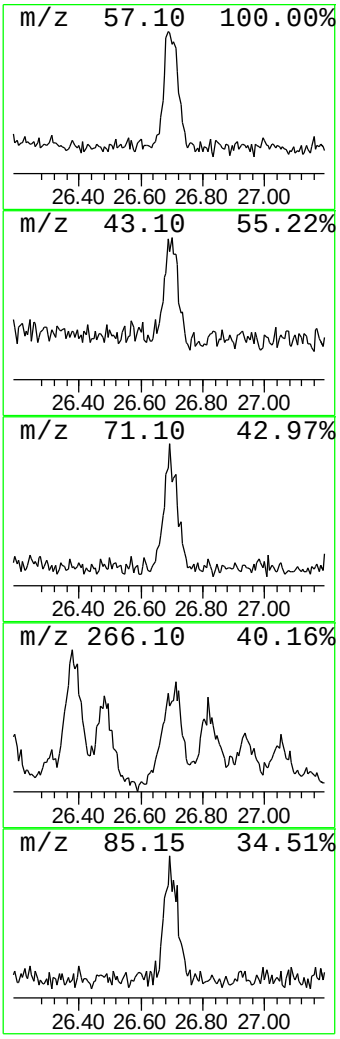
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.69	4.85 ng/ul	236067	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	60
2	Hexadecane	226	C16H34	000544-76-3	49
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	47
4	Hentriacontane	437	C31H64	000630-04-6	47
5	Heptacosane	380	C27H56	000593-49-7	47





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Sample : I4714-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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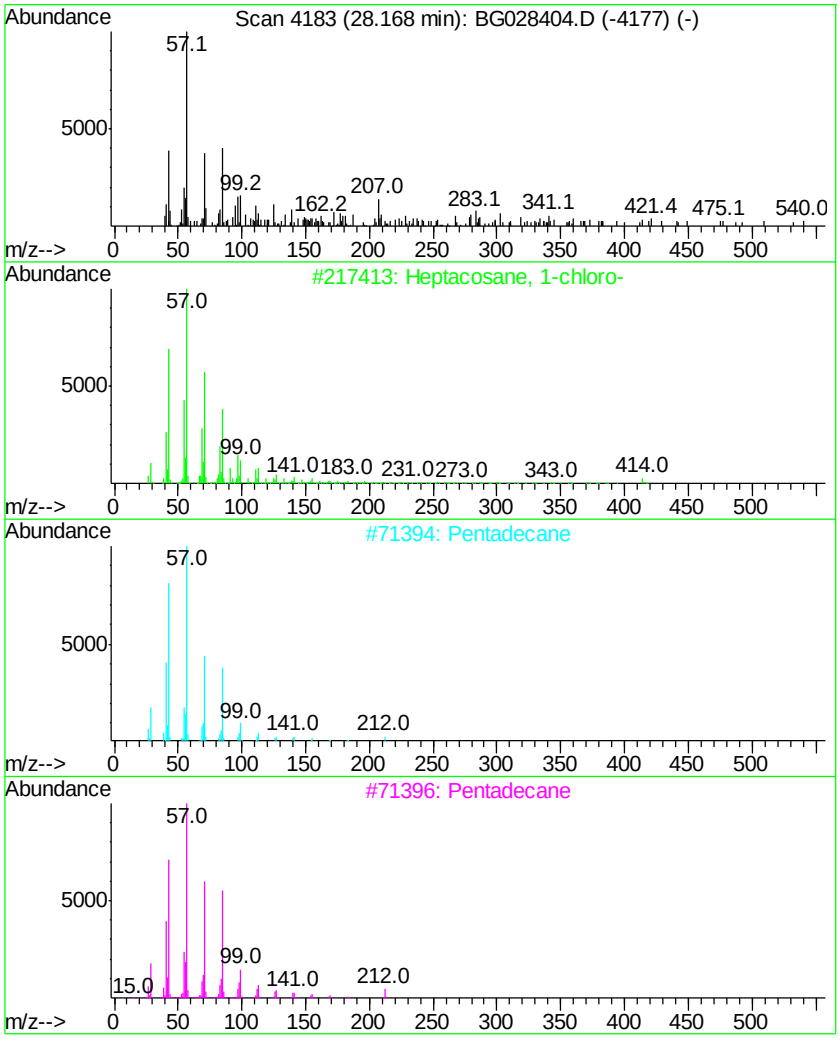
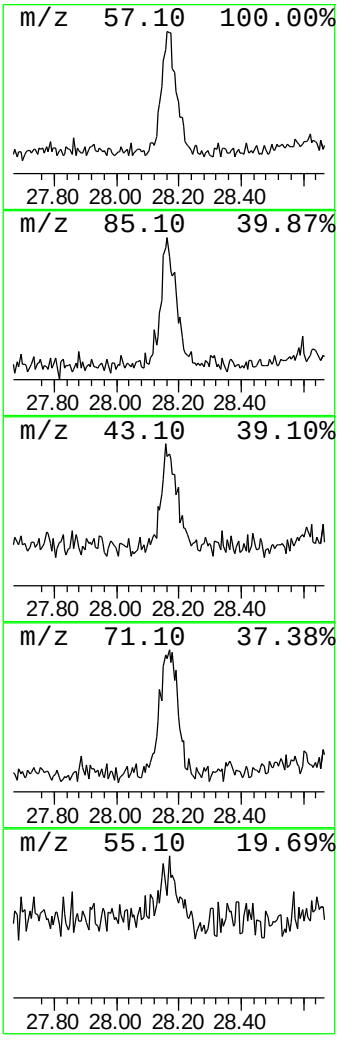
Peak Number 26 Heptacosane, 1-chloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.17	3.39 ng/ul	164863	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	64
2	Pentadecane	212	C15H32	000629-62-9	49
3	Pentadecane	212	C15H32	000629-62-9	49
4	Tetracosane	338	C24H50	000646-31-1	49
5	Pentadecane	212	C15H32	000629-62-9	47





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Misc :
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Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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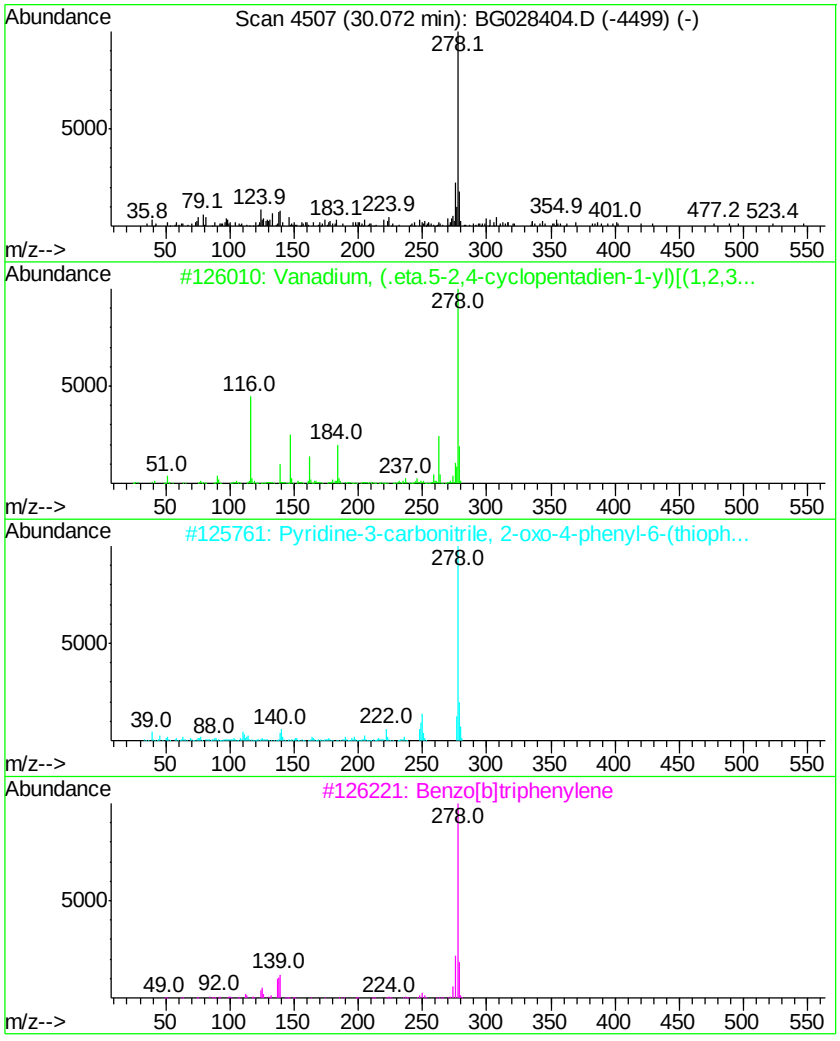
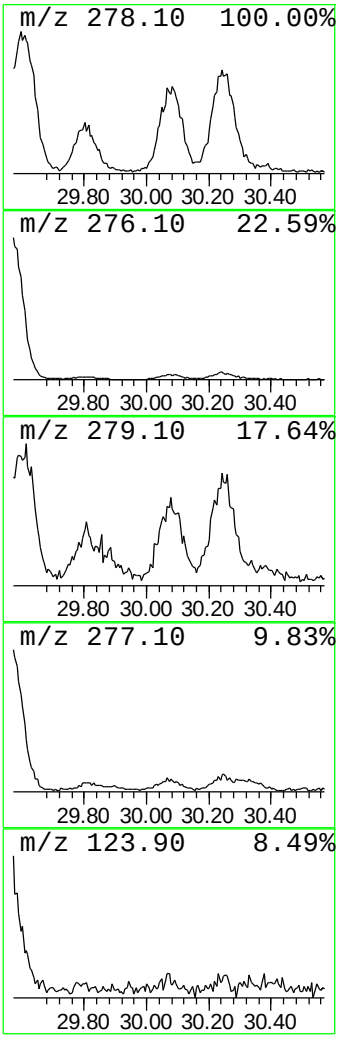
Peak Number 27 Vanadium, (.eta.5-2,4-cyclo... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.07	5.15 ng/ul	250588	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	72
2	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	64
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	64
4	1H-1,4-Benzodiazepine-2,5-dione,...	278	C17H14N2O2	031965-37-4	59
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	58





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Misc :
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Instrument : BNA_G
ClientSampleId : E7GD3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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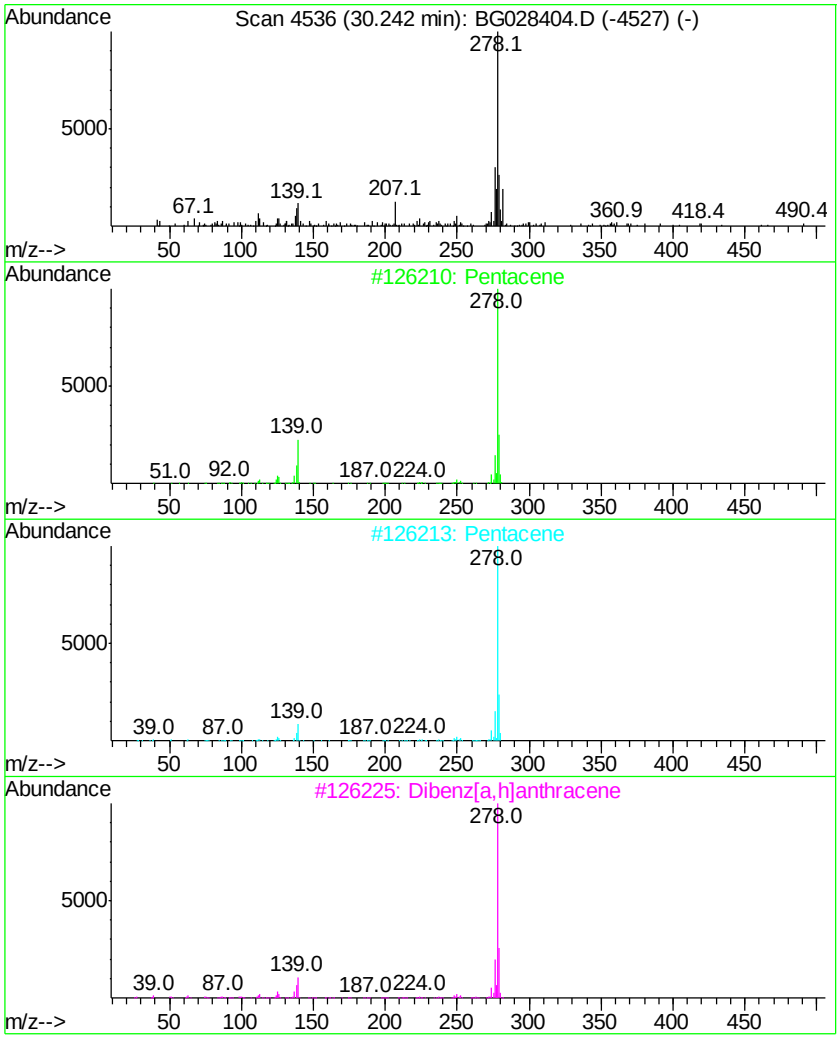
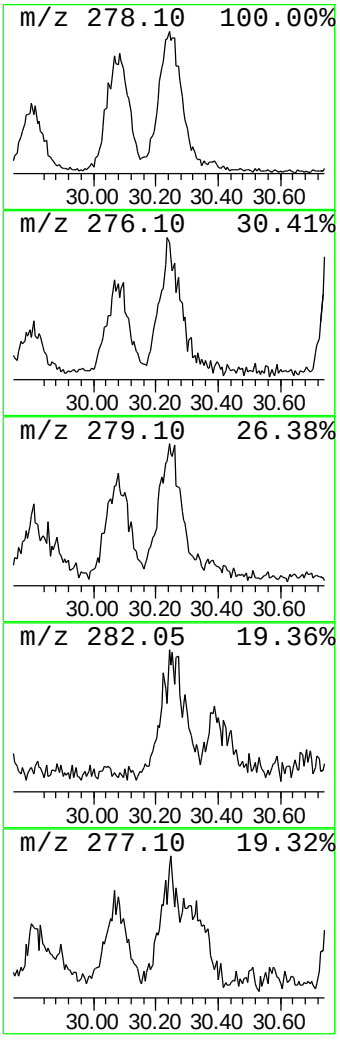
Peak Number 28 Pentacene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.24	5.04 ng/ul	244990	Perylene-d12	25.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	78
2	Pentacene	278	C22H14	000135-48-8	78
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	60
5	Pentaphene	278	C22H14	000222-93-5	60





Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
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Misc :
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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butene, 1-bromo...	4.76	7.9	ng/ul	113494	1	8.34	286061	20.0
unknown-01	5.17	5.0	ng/ul	71639	1	8.34	286061	20.0
9H-Fluoren-9-one	17.35	2.7	ng/ul	114501	4	17.70	862259	20.0
Azuleno(2,1-b)thi...	17.52	2.0	ng/ul	87998	4	17.70	862259	20.0
Acridine	17.89	3.0	ng/ul	130465	4	17.70	862259	20.0
Phenanthrene, 1-m...	18.57	6.0	ng/ul	260232	4	17.70	862259	20.0
Anthracene, 2-met...	18.62	5.9	ng/ul	255526	4	17.70	862259	20.0
4H-Cyclopenta[def...	18.77	11.2	ng/ul	481385	4	17.70	862259	20.0
5,16[1',2']:8,13[...	19.06	6.5	ng/ul	277919	4	17.70	862259	20.0
9,10-Anthracenedione	19.11	15.7	ng/ul	677774	4	17.70	862259	20.0
9,10-Dimethylanth...	19.48	2.2	ng/ul	92977	4	17.70	862259	20.0
Cyclopenta(def)ph...	19.63	6.2	ng/ul	267540	4	17.70	862259	20.0
11H-Benzo[b]fluorene	20.59	4.0	ng/ul	755818	5	22.03	3747260	20.0
Benzo[b]naphtho[2...	21.58	3.7	ng/ul	692390	5	22.03	3747260	20.0
unknown-02	21.68	2.3	ng/ul	434654	5	22.03	3747260	20.0
11H-Benzo[a]fluor...	21.74	3.6	ng/ul	683061	5	22.03	3747260	20.0
unknown-03	22.47	2.1	ng/ul	390846	5	22.03	3747260	20.0
Benz(a)anthracene...	22.91	2.1	ng/ul	396500	5	22.03	3747260	20.0
Benz(a)anthracene...	24.01	6.1	ng/ul	298063	6	25.54	972643	20.0
Dinaphtho[1,2-b:1...	24.92	4.7	ng/ul	228162	6	25.54	972643	20.0
Benzo[e]pyrene	25.63	14.2	ng/ul	689672	6	25.54	972643	20.0
(DEL) Alkane: Str...	26.69	4.8	ng/ul	236067	6	25.54	972643	20.0
Heptacosane, 1-ch...	28.17	3.4	ng/ul	164863	6	25.54	972643	20.0
Vanadium, (.eta.5...	30.07	5.2	ng/ul	250588	6	25.54	972643	20.0
Pentacene	30.24	5.0	ng/ul	244990	6	25.54	972643	20.0