LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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-BG121415.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	3.147	49	52	56	rVV	12553	18599	0.69%	0.062%
2	3.194	56	60	65	rVV	26335	38955	1.45%	0.130%
3	3.999	193	197	205	rVB	12005	18461	0.69%	0.062%
4	7.236	742	748	757	rBV	84358	149121	5.55%	0.497%
5	7.406	771	777	786	rVB	66666	106491	3.96%	0.355%
6	7.618	805	813	820	rBB	87022	145059	5.39%	0.484%
7	8.088	885	893	901	rBB	82152	135950	5.06%	0.453%
8	8.787	1006	1012	1020	rBV2	108143	181687	6.76%	0.606%
9	9.257	1084	1092	1100	rBV	88326	151682	5.64%	0.506%
10	9.980	1208	1215	1224	rBV	78261	135473	5.04%	0.452%
11	10.520	1300	1307	1317	rVB	124803	212857	7.92%	0.710%
12	10.908	1366	1373	1379	rBV	119724	213493	7.94%	0.712%
13	11.037	1387	1395	1404	rBV	71011	130996	4.87%	0.437%
14	14.122	1911	1920	1924	rVV	230102	333935	12.42%	1.113%
15	14.163	1924	1927	1934	rVB	70300	99785	3.71%	0.333%
16	14.416	1963	1970	1986	rBV	250461	402277	14.96%	1.341%
17	14.721	2012	2022	2029	rBV2	198808	316450	11.77%	1.055%
18	14.780	2029	2032	2040	rVB	19935	30971	1.15%	0.103%
19	14.909	2047	2054	2069	rBV	81545	137829	5.13%	0.459%
20	15.115	2082	2089	2095	rBV	17367	27417	1.02%	0.091%
21	15.544	2157	2162	2168	rVV	13143	18238	0.68%	0.061%
22	15.708	2182	2190	2196	rBV	321856	507121	18.86%	1.691%
23	15.767	2196	2200	2204	rVV	47194	67360	2.50%	0.225%
24	15.820	2204	2209	2218	rVB	90095	136057	5.06%	0.454%
25	16.408	2305	2309	2312	rBV2	15708	23604	0.88%	0.079%
26	16.760	2360	2369	2375	rBV6	7873	19790	0.74%	0.066%
27	17.118	2425	2430	2437	rVB	15942	26413	0.98%	0.088%
28	17.201	2437	2444	2449	rBV3	10323	18478	0.69%	0.062%
29	17.283	2454	2458	2464	rVB	30621	42814	1.59%	0.143%
30	17.465	2483	2489	2492	rBV	244631	374704	13.93%	1.249%
31	17.512	2492	2497	2502	rVV	760727	1125963	41.87%	3.754%
32	17.565	2502	2506	2509	rVV2	358042	527820	19.63%	1.760%
33	17.600	2509	2512	2517	rVV	166103	233307	8.68%	0.778%
34	17.653	2517	2521	2526	rVB2	9357	16415	0.61%	0.055%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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-BG121415.M
Title : SVOA CALIBRATION

35	17.865	2547	2557	2566	rBV	67376	110637	4.11%	0.369%
36	17.982	2572	2577	2582	rBV	15449	20773	0.77%	0.069%
37	18.341	2632	2638	2642	rBV	92928	138990	5.17%	0.463%
38	18.388	2642	2646	2651	rVB	77466	111858	4.16%	0.373%
39	18.464	2655	2659	2664	rVB	23565	34724	1.29%	0.116%
40	18.540	2664	2672	2675	rBV2	146681	251003	9.33%	0.837%
41	18.834	2717	2722	2725	rVV	68090	90043	3.35%	0.300%
42	18.875	2725	2729	2735	rVB	95020	125896	4.68%	0.420%
43	19.251	2787	2793	2798	rBV3	27992	53744	2.00%	0.179%
44	19.310	2798	2803	2807	rVV3	16694	34169	1.27%	0.114%
45	19.392	2812	2817	2824	rBV	49656	84257	3.13%	0.281%
46	19.522	2830	2839	2844	rBV	1849992	2689113	100.00%	8.965%
47	19.610	2850	2854	2859	rVB	40425	57938	2.15%	0.193%
48	19.663	2859	2863	2866	rBV2	15937	25129	0.93%	0.084%
49	19.704	2866	2870	2873	rVV5	13529	18195	0.68%	0.061%
50	19.757	2873	2879	2888	rVB2	51364	105537	3.92%	0.352%
51	19.851	2888	2895	2897	rBV2	599119	1015032	37.75%	3.384%
52	19.880	2897	2900	2906	rVB	1391902	1937854	72.06%	6.460%
53	19.939	2906	2910	2918	rVB2	48274	73820	2.75%	0.246%
54	20.050	2922	2929	2934	rBV	73651	109485	4.07%	0.365%
55	20.115	2934	2940	2946	rBV	57947	90412	3.36%	0.301%
56	20.191	2947	2953	2959	rBV3	66838	163817	6.09%	0.546%
57	20.250	2959	2963	2969	rVB	34558	45406	1.69%	0.151%
58	20.362	2969	2982	2987	rBV	203314	412396	15.34%	1.375%
59	20.462	2994	2999	3003	rBV	165743	236274	8.79%	0.788%
60	20.520	3003	3009	3013	rVV2	82363	147362	5.48%	0.491%
61	20.562	3013	3016	3018	rVB	17289	18276	0.68%	0.061%
62	20.661	3029	3033	3036	rBV	56358	78284	2.91%	0.261%
63	20.708	3037	3041	3044	rVV	44619	61095	2.27%	0.204%
64	20.814	3057	3059	3064	rVB4	17669	22523	0.84%	0.075%
65	20.955	3080	3083	3086	rBV5	16091	20592	0.77%	0.069%
66	21.079	3100	3104	3108	rVV3	24152	40192	1.49%	0.134%
67	21.126	3108	3112	3120	rVB	80601	136556	5.08%	0.455%
68	21.225	3127	3129	3134	rVB3	15619	19021	0.71%	0.063%
69	21.314	3135	3144	3148	rBV2	154453	306479	11.40%	1.022%
70	21.361	3148	3152	3156	rVV	170639	271727	10.10%	0.906%
71	21.408	3156	3160	3165	rVV2	157210	300709	11.18%	1.002%

LSC Area Percent Report

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Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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-BG121415.M
Title : SVOA CALIBRATION

72	21.466	3165	3170	3180	rVB2	111554	214794	7.99%	0.716%
73	21.601	3183	3193	3199	rBV	56138	142478	5.30%	0.475%
74	21.725	3203	3214	3221	rVV3	894643	2250506	83.69%	7.502%
75	21.795	3221	3226	3237	rVB	744658	1358271	50.51%	4.528%
76	21.942	3246	3251	3258	rBV	129795	209208	7.78%	0.697%
77	22.007	3258	3262	3268	rBV	50487	85815	3.19%	0.286%
78	22.083	3273	3275	3280	rVB	48975	63349	2.36%	0.211%
79	22.148	3281	3286	3293	rBV2	99478	192243	7.15%	0.641%
80	22.224	3295	3299	3306	rVB6	19398	36172	1.35%	0.121%
81	22.477	3334	3342	3348	rVV	62128	155431	5.78%	0.518%
82	22.553	3350	3355	3365	rVB4	53066	127083	4.73%	0.424%
83	22.700	3376	3380	3384	rVB2	37575	61622	2.29%	0.205%
84	22.759	3385	3390	3394	rVV	61332	122963	4.57%	0.410%
85	22.806	3394	3398	3406	rVB3	70492	152540	5.67%	0.509%
86	22.900	3408	3414	3421	rVB3	37231	92171	3.43%	0.307%
87	23.235	3467	3471	3483	rVB7	41759	108626	4.04%	0.362%
88	23.599	3524	3533	3546	rVB2	52183	185210	6.89%	0.617%
89	23.987	3587	3599	3606	rBV	623625	2125903	79.06%	7.087%
90	24.234	3635	3641	3651	rVB	108915	259243	9.64%	0.864%
91	24.445	3671	3677	3683	rBV4	33860	96990	3.61%	0.323%
92	24.721	3714	3724	3731	rBV	328903	972869	36.18%	3.243%
93	24.798	3731	3737	3742	rVV	210964	579202	21.54%	1.931%
94	24.874	3743	3750	3763	rVB	501148	1402073	52.14%	4.674%
95	25.021	3765	3775	3782	rBV	182205	577557	21.48%	1.925%
96	25.103	3782	3789	3801	rVB	163077	510205	18.97%	1.701%
97	26.790	4071	4076	4084	rVB4	15688	43378	1.61%	0.145%
98	28.770	4397	4413	4437	rVB2	247281	1310187	48.72%	4.368%
99	29.240	4479	4493	4505	rBV3	39434	193905	7.21%	0.646%
100	29.939	4597	4612	4625	rBV3	159516	782019	29.08%	2.607%

Sum of corrected areas: 29996903

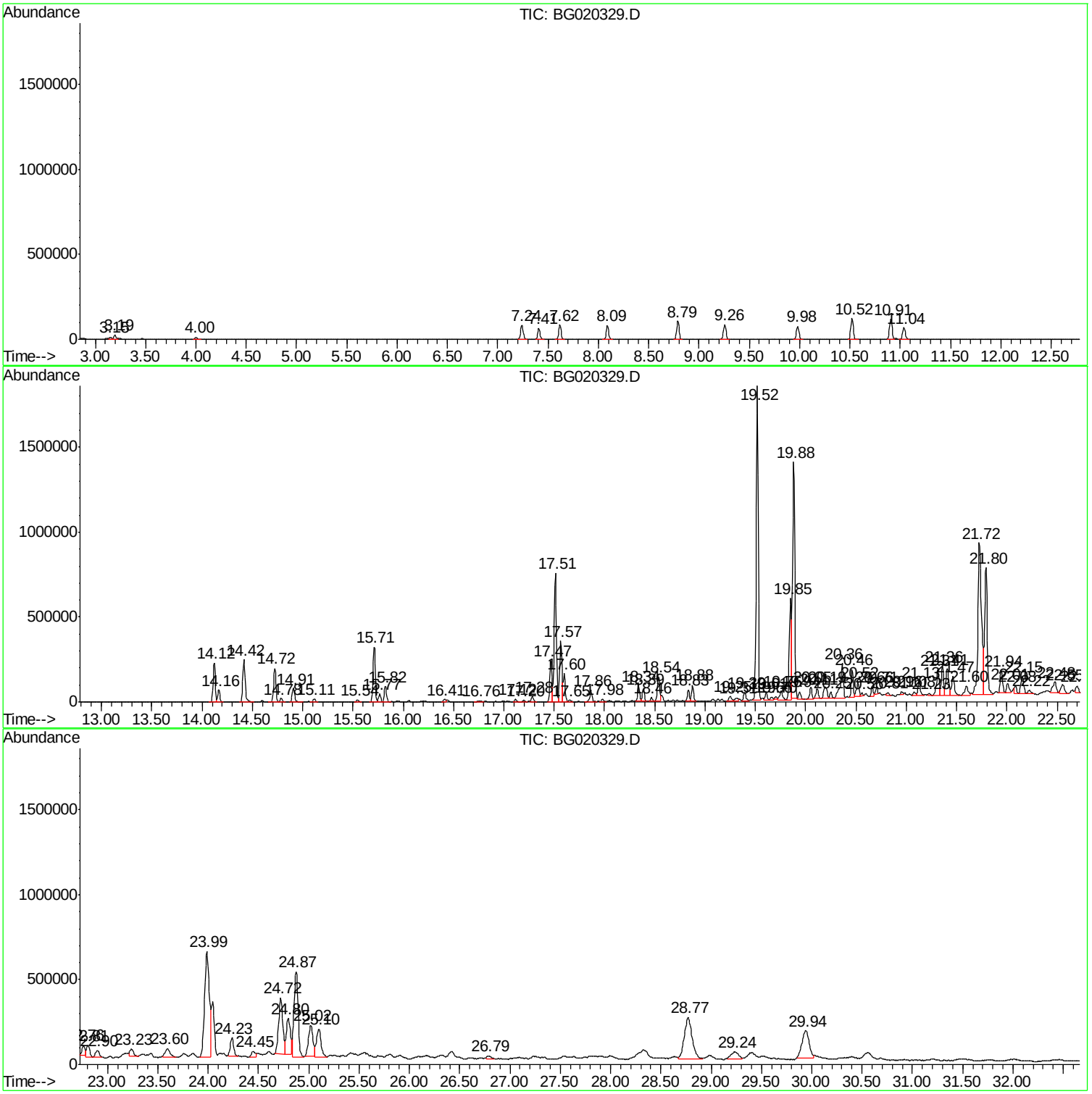
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
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Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

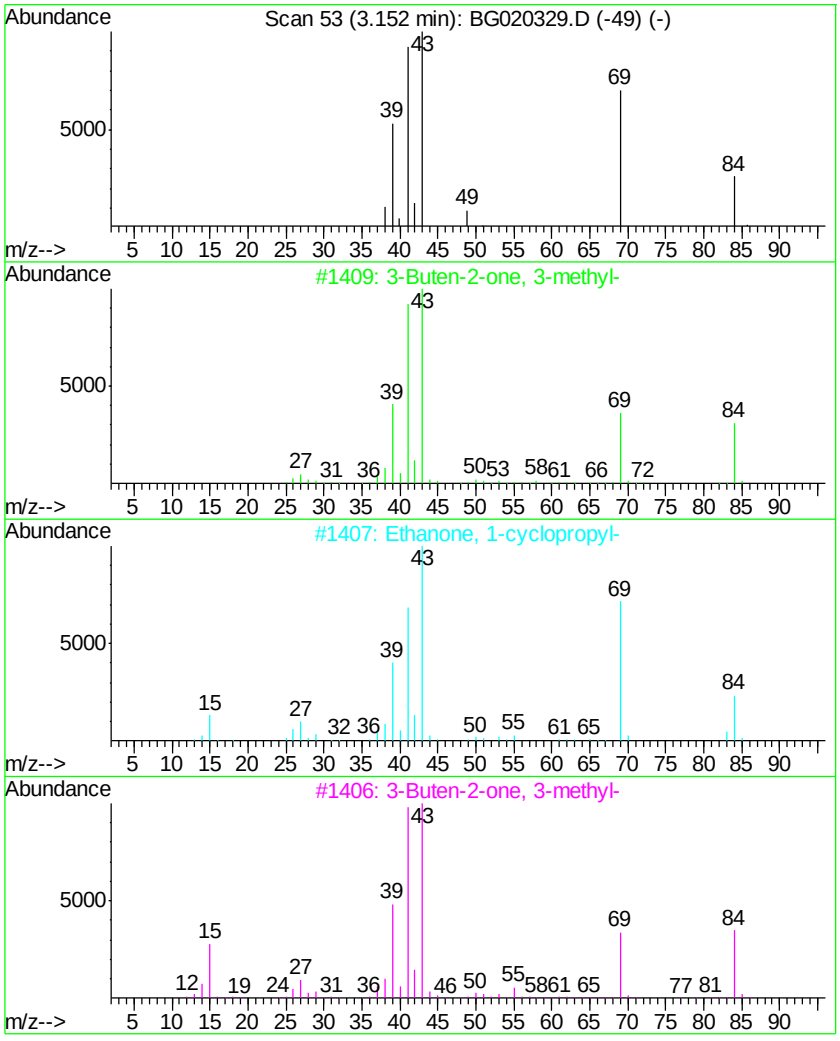
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

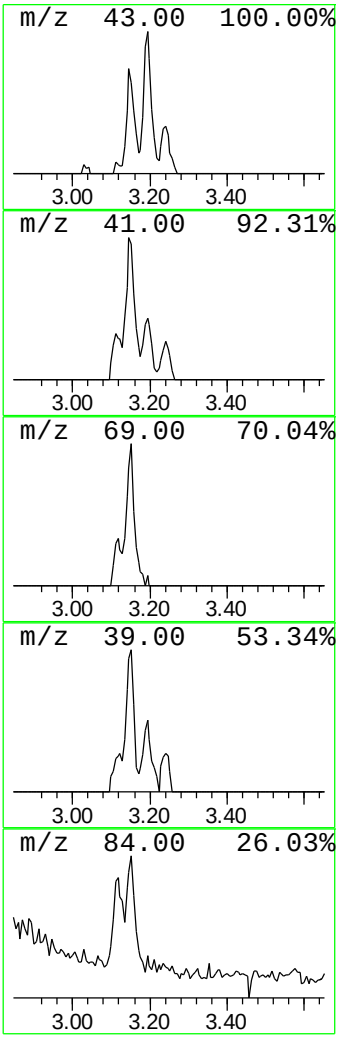
****

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	2.74 ng/ul	18599	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	78
2	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	78
3	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	50
4	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	28
5	4-Penten-2-one	84	C5H8O	013891-87-7	28





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

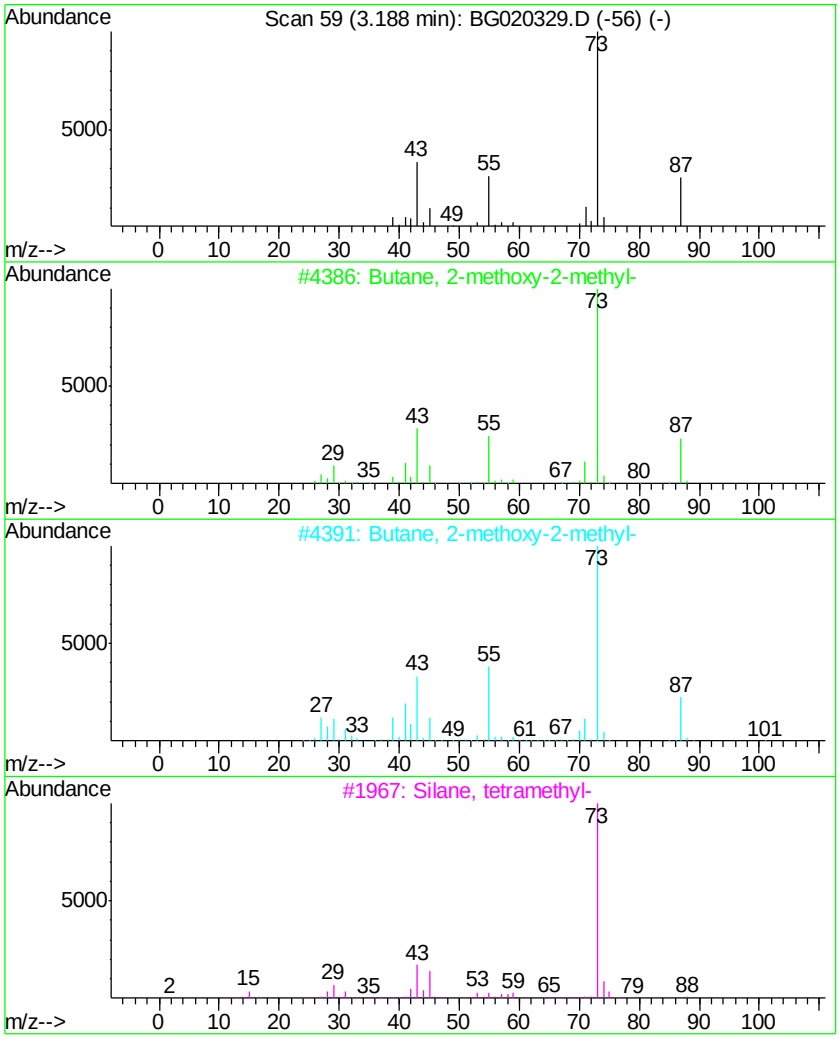
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

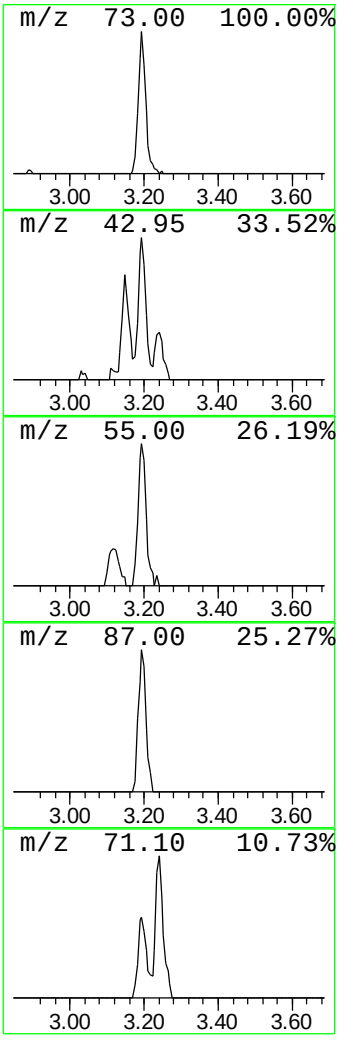
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	5.73 ng/ul	38955	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

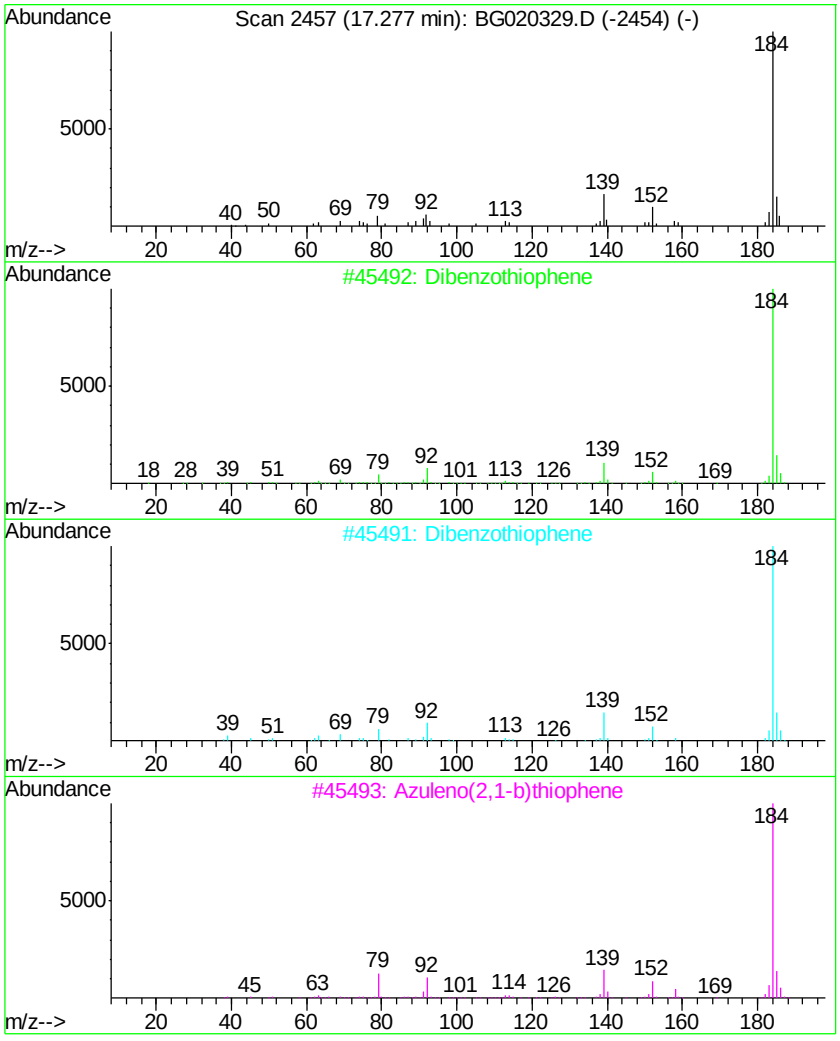
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

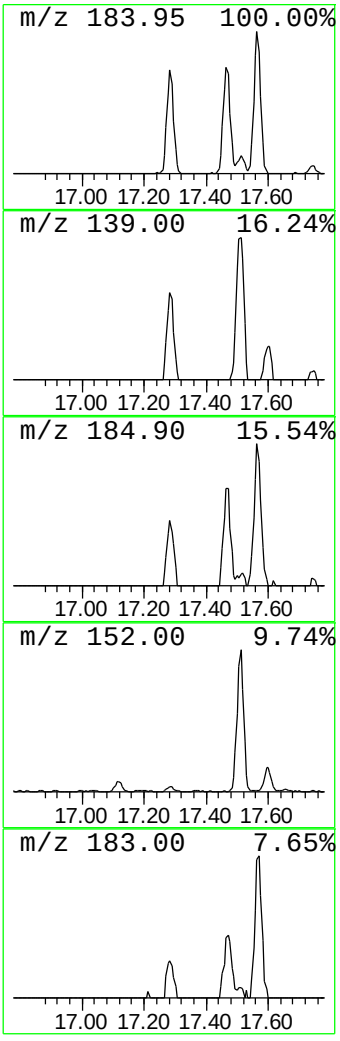
****

Peak Number 4 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	2.29 ng/ul	42814	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
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	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

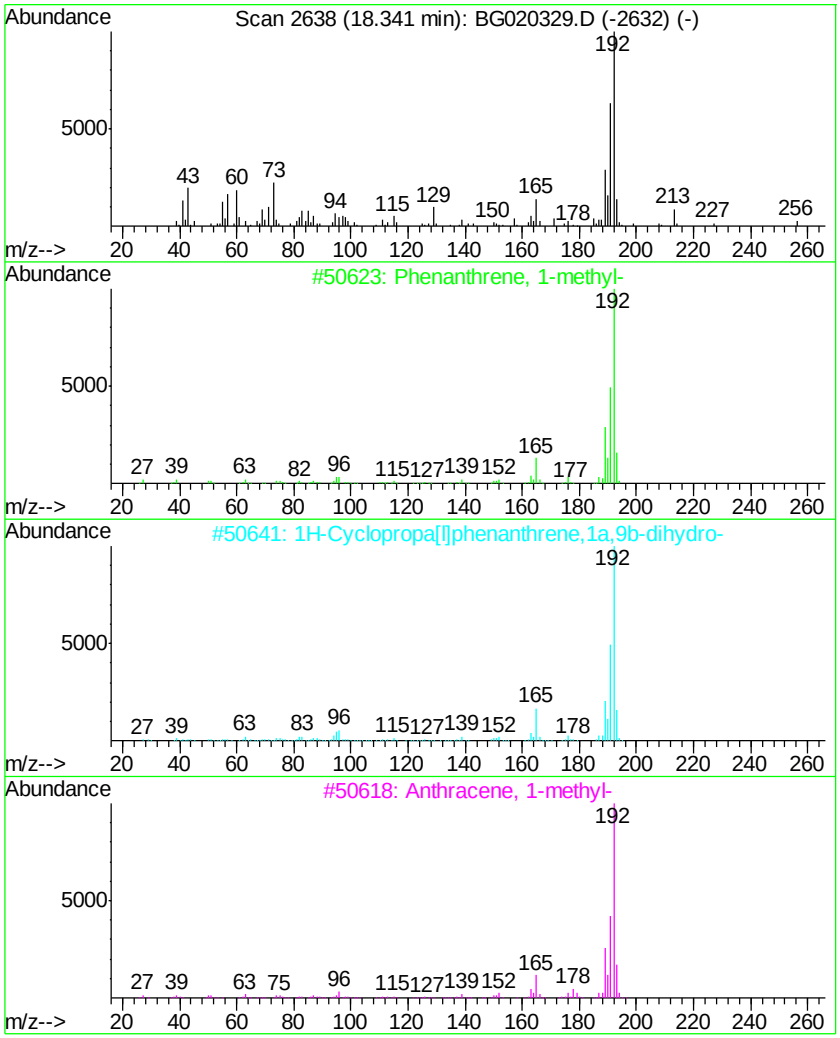
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

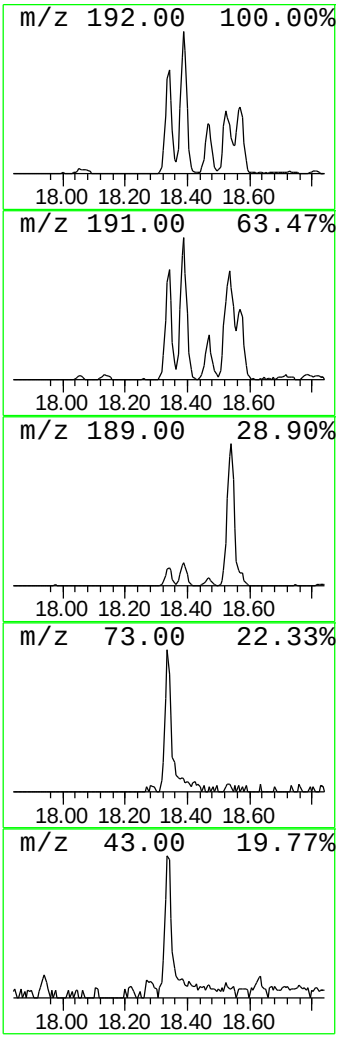
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	7.42 ng/ul	138990	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

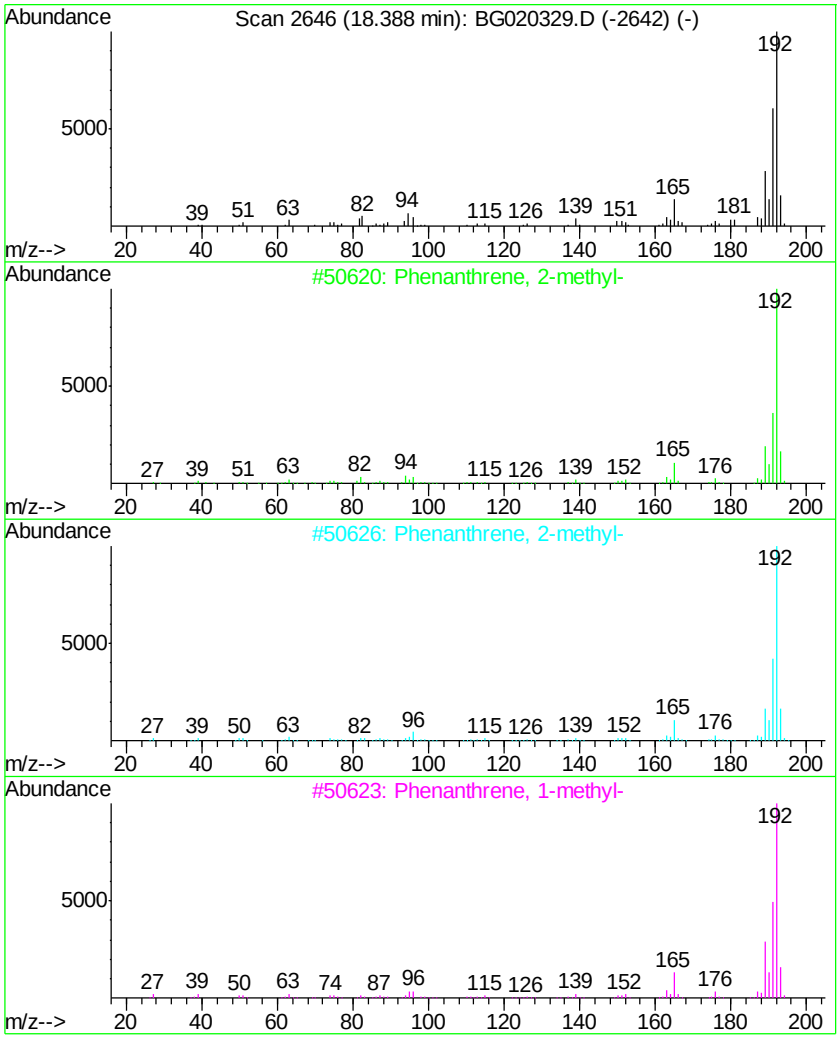
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

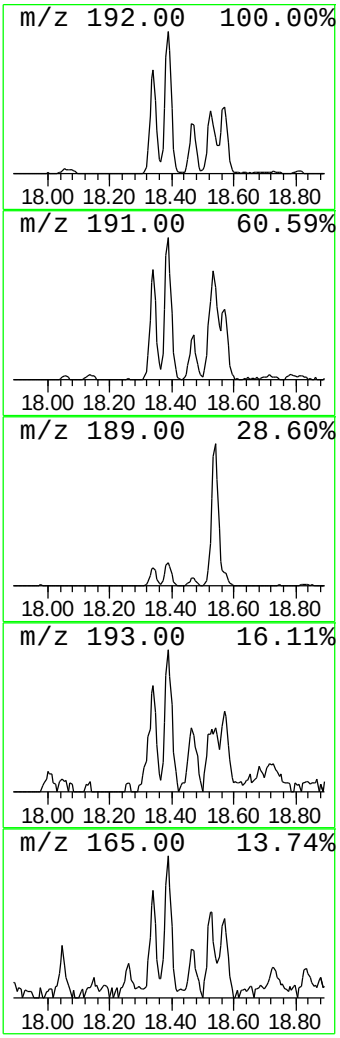
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	5.97 ng/ul	111858	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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

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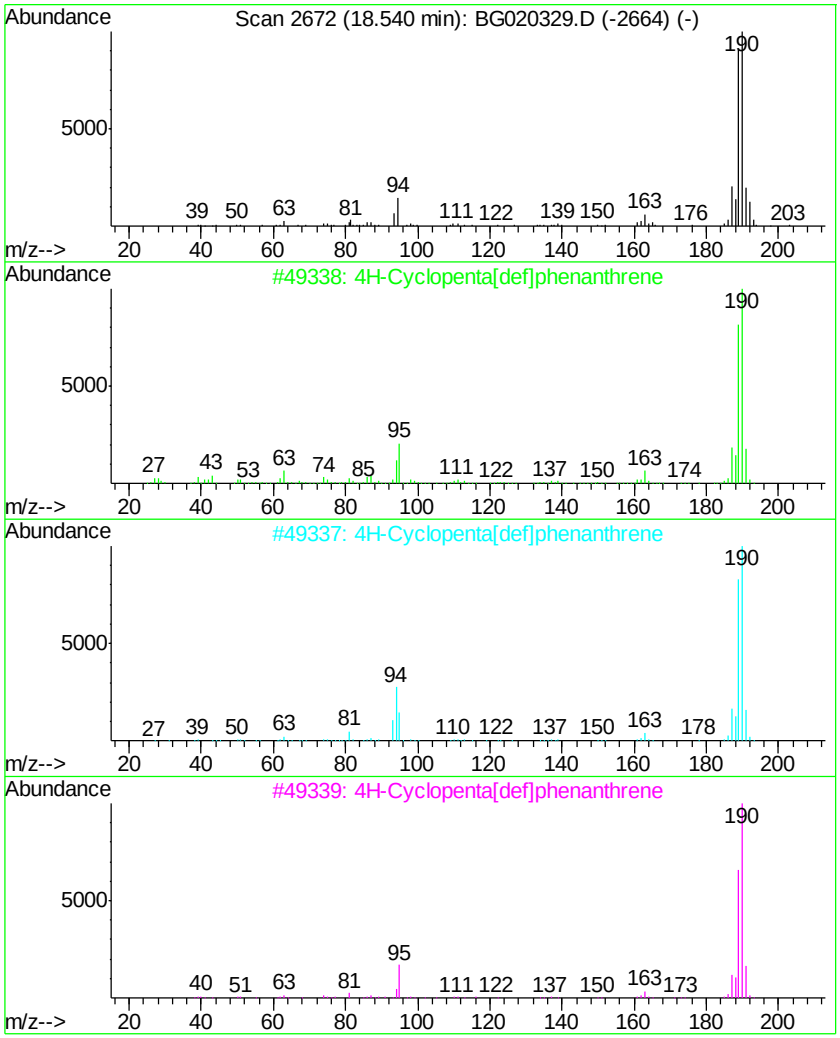
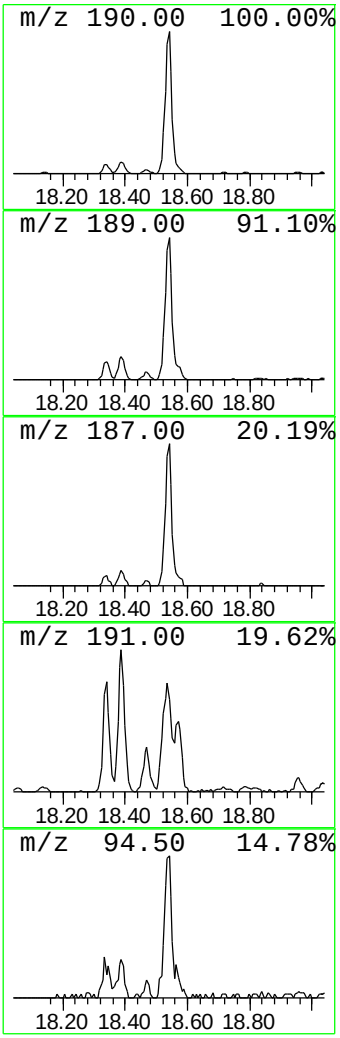
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	13.40 ng/ul	251003	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53





Library Search Compound Report

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Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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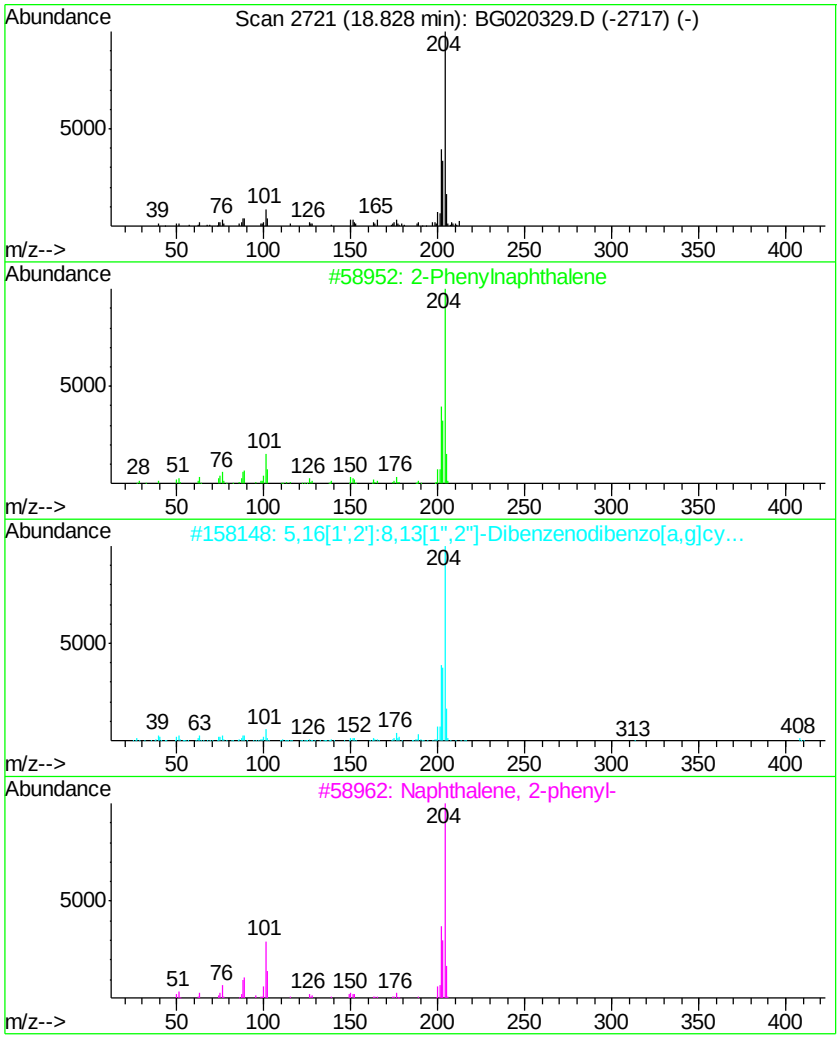
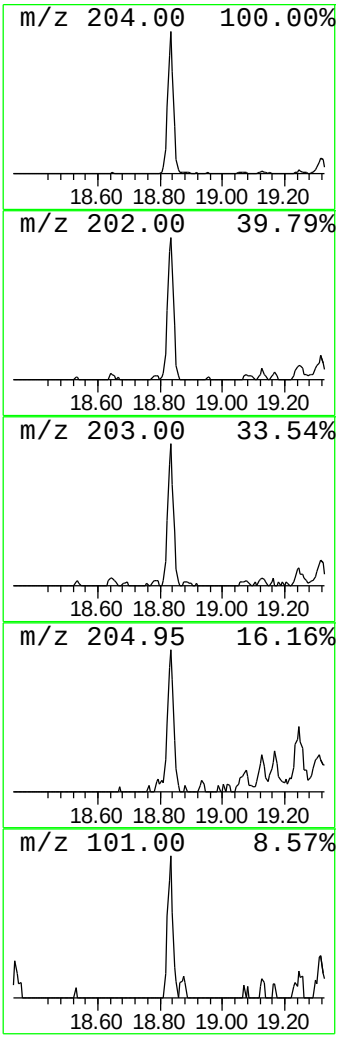
Peak Number 8 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	4.81 ng/ul	90043	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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

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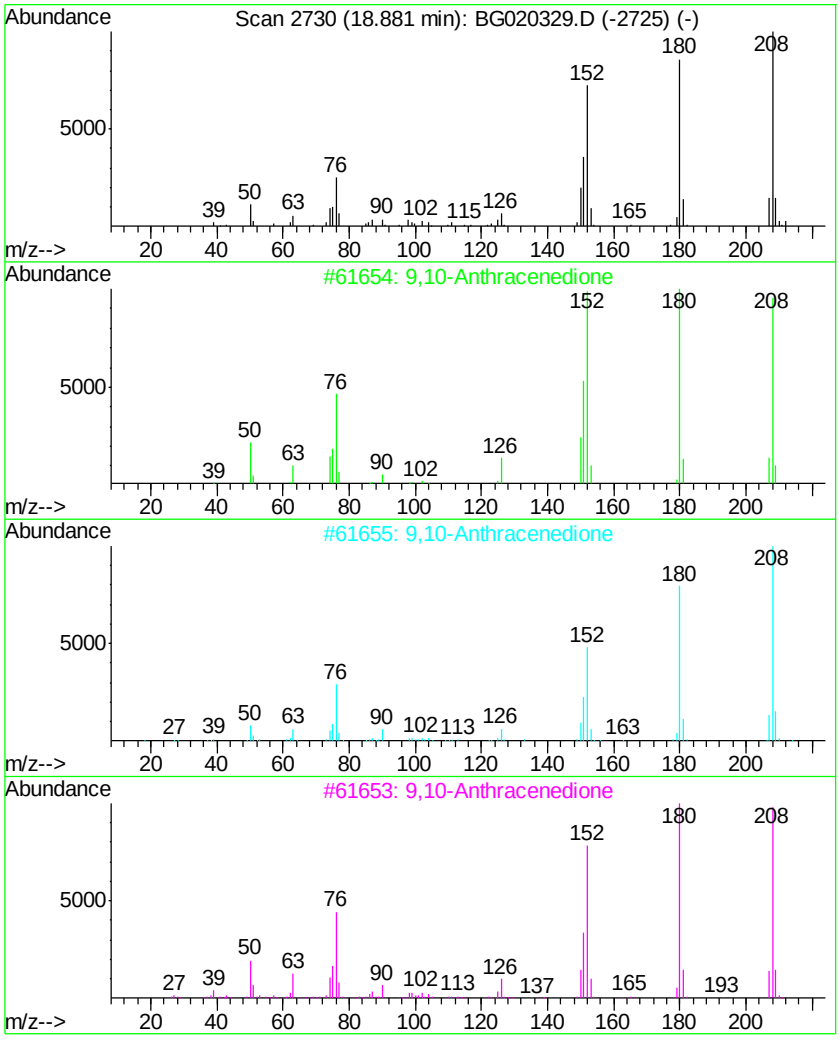
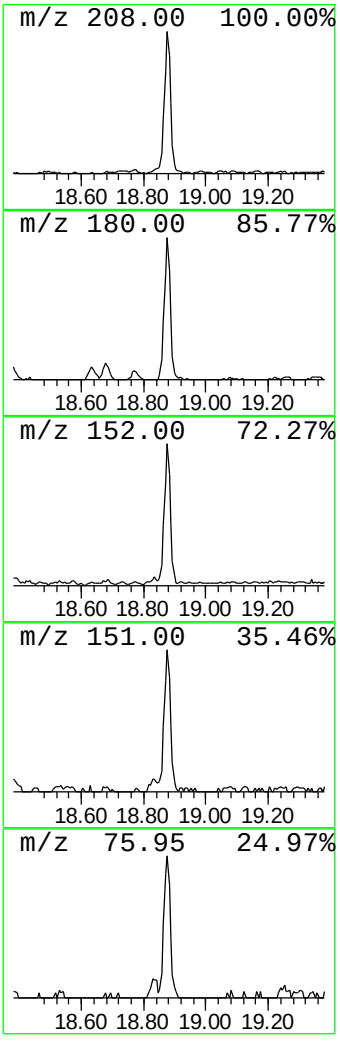
Peak Number 9 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	6.72 ng/ul	125896	Phenanthrene-d10	17.47

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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Library Search Compound Report

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Sample : G4866-11
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Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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

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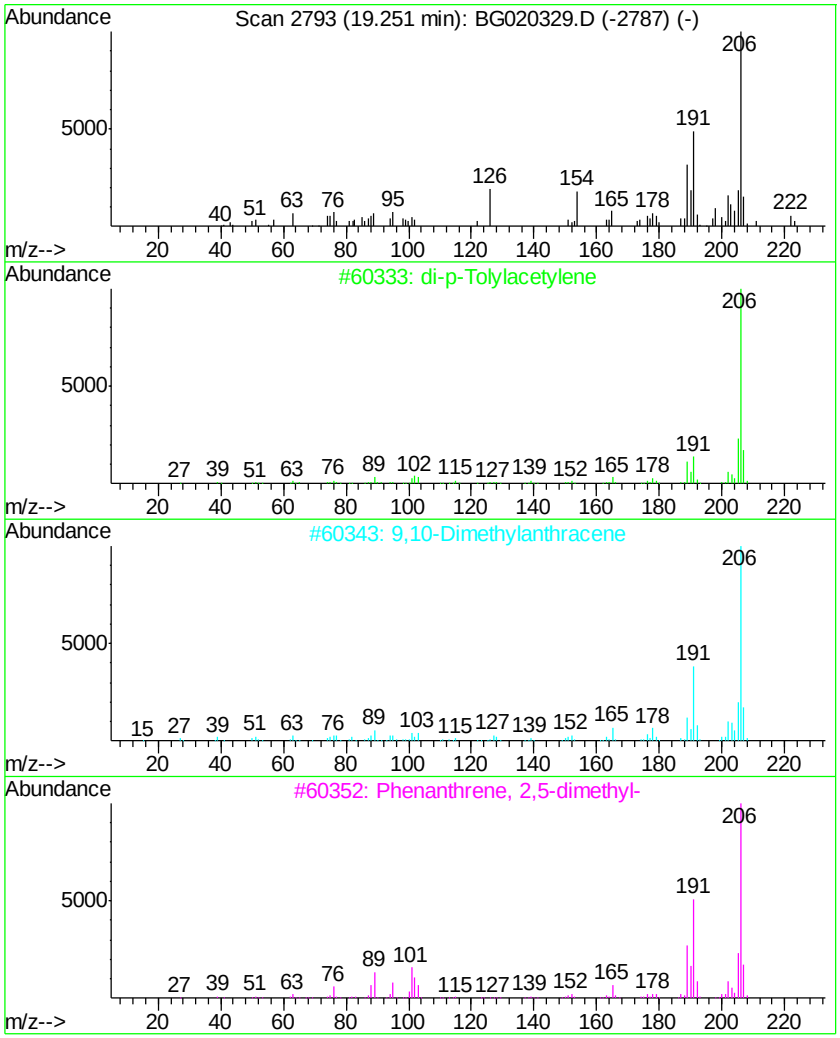
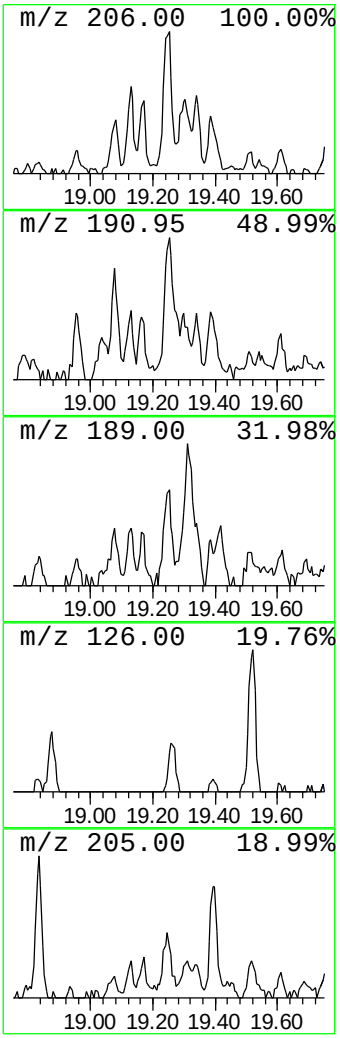
Peak Number 10 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	2.87 ng/ul	53744	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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

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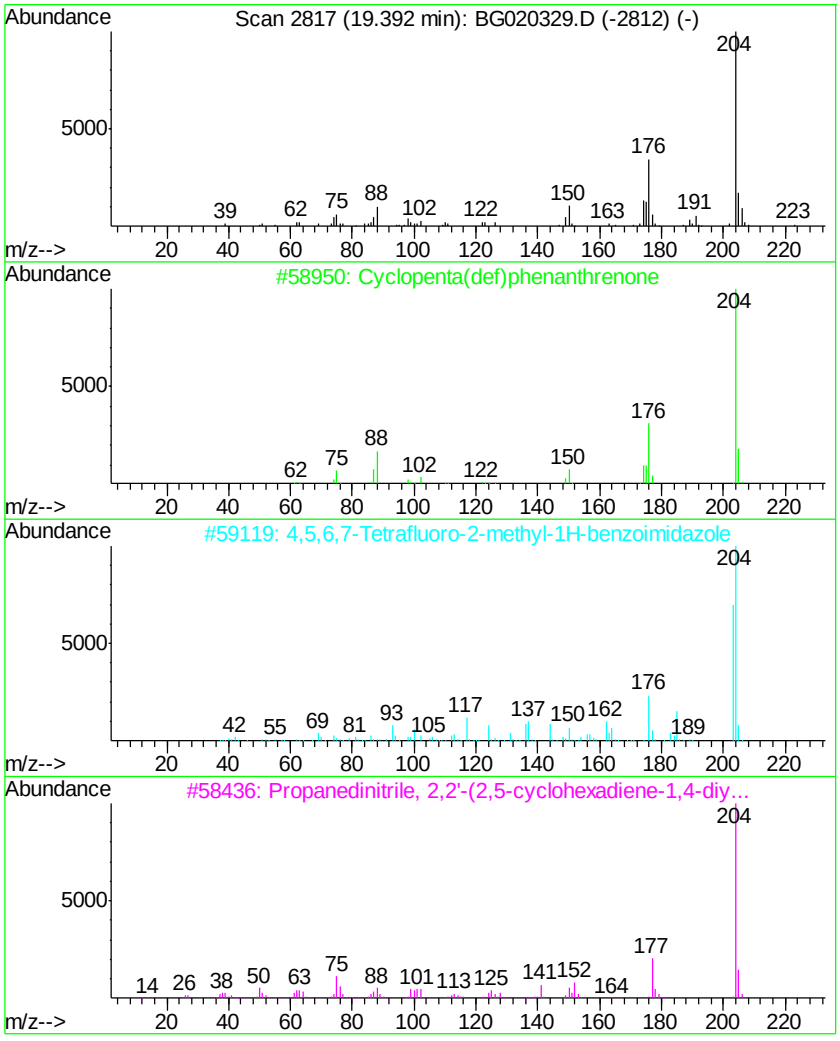
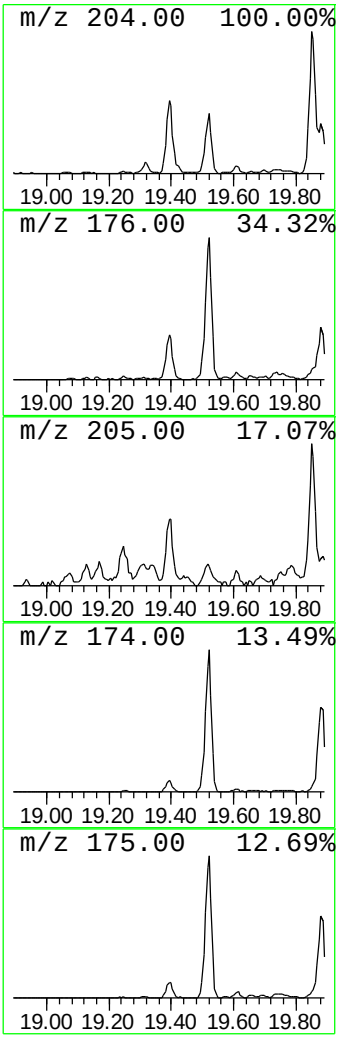
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	4.50 ng/ul	84257	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	59
3	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47





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Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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

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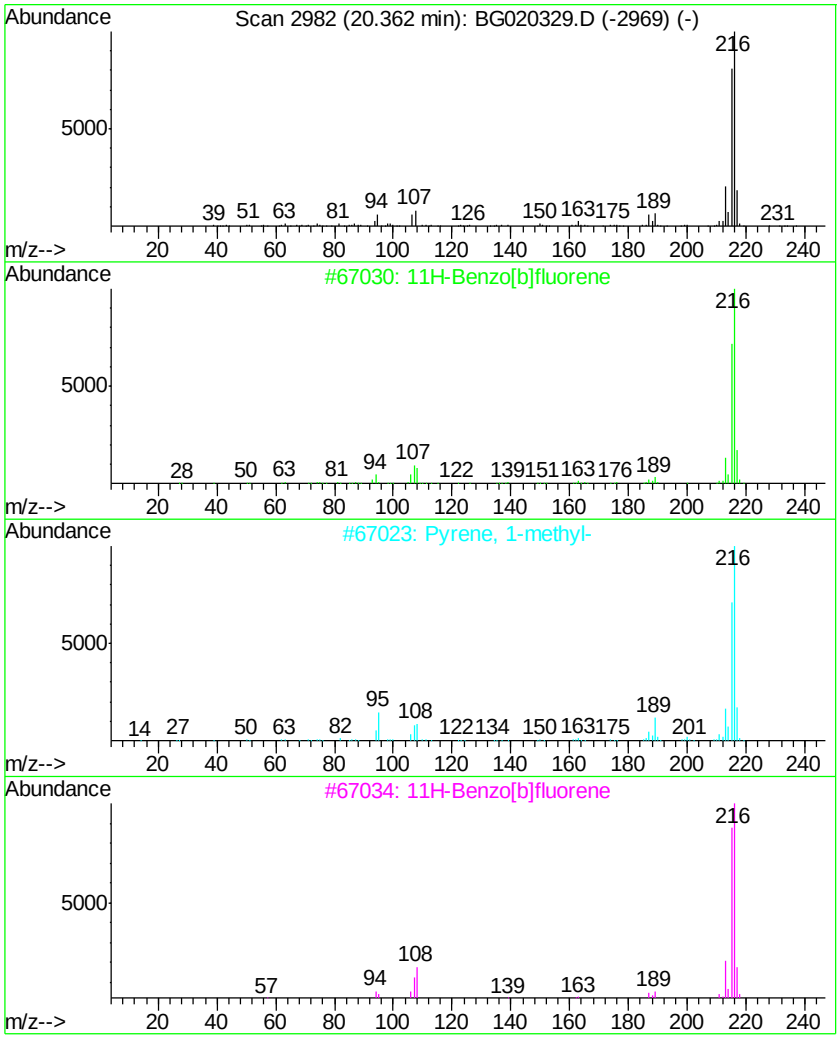
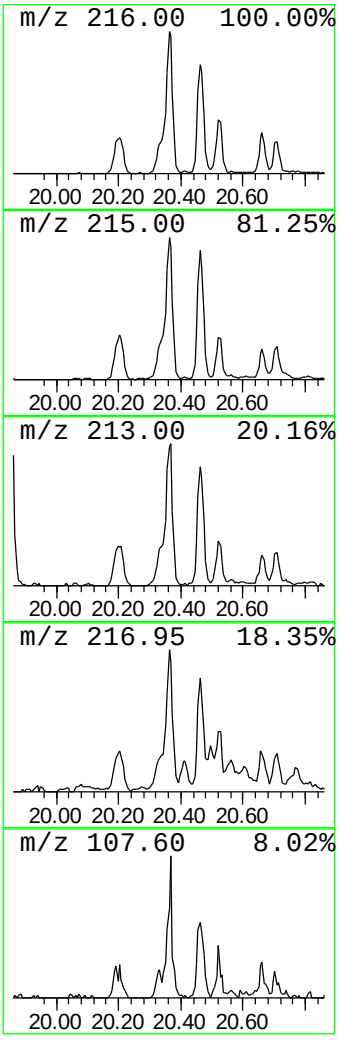
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	3.66 ng/ul	412396	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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

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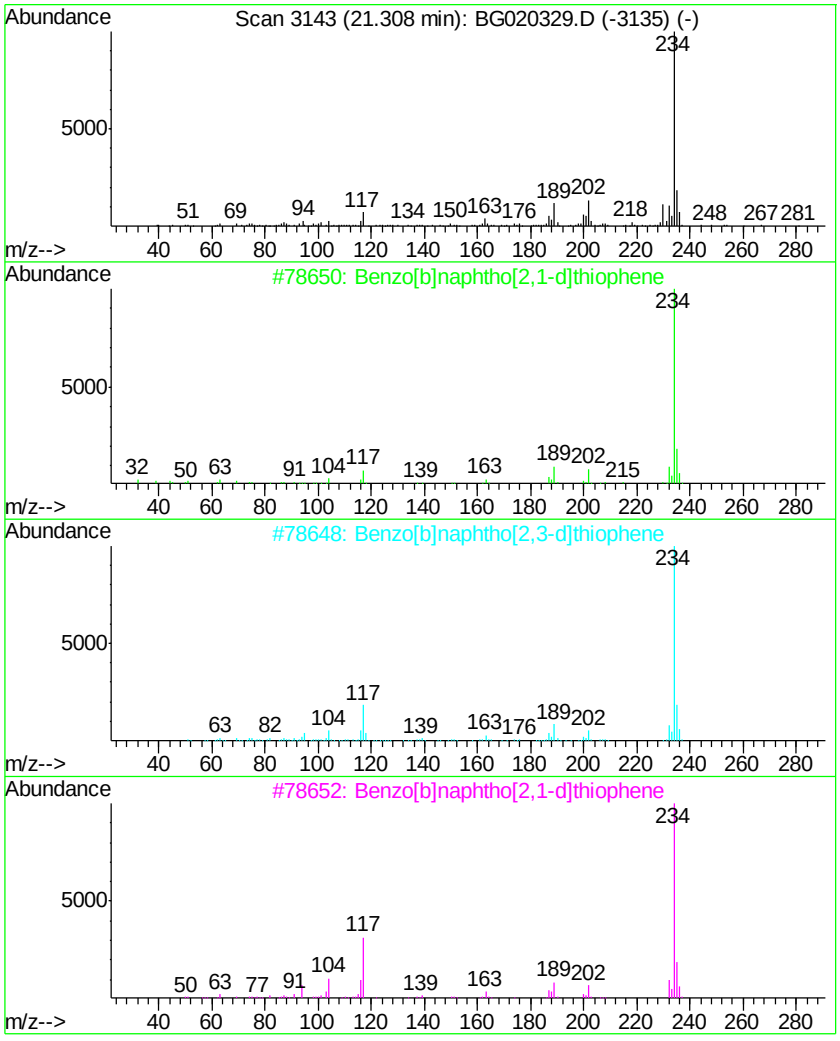
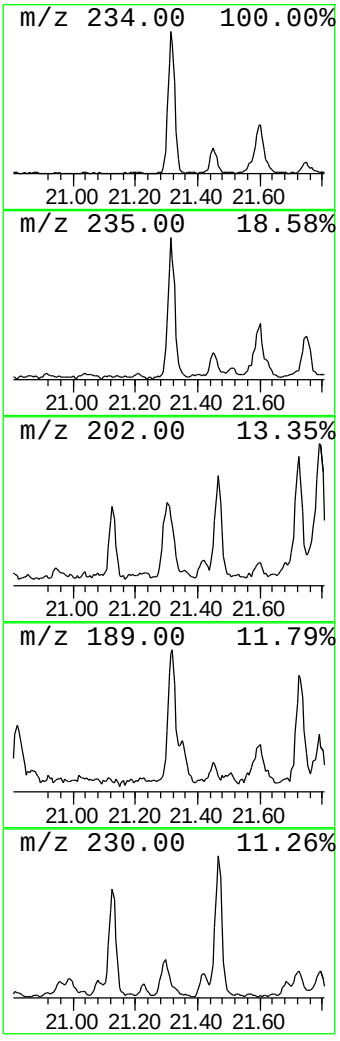
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.72 ng/ul	306479	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
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[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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Sample : G4866-11
Misc :
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Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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

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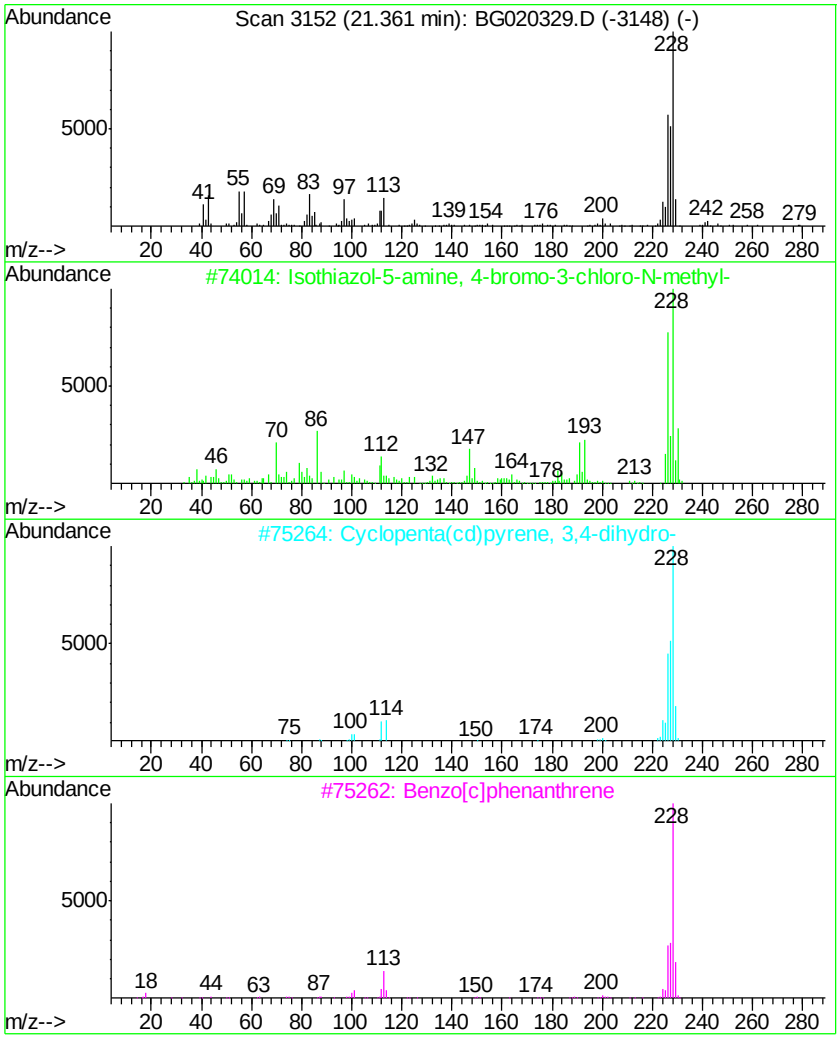
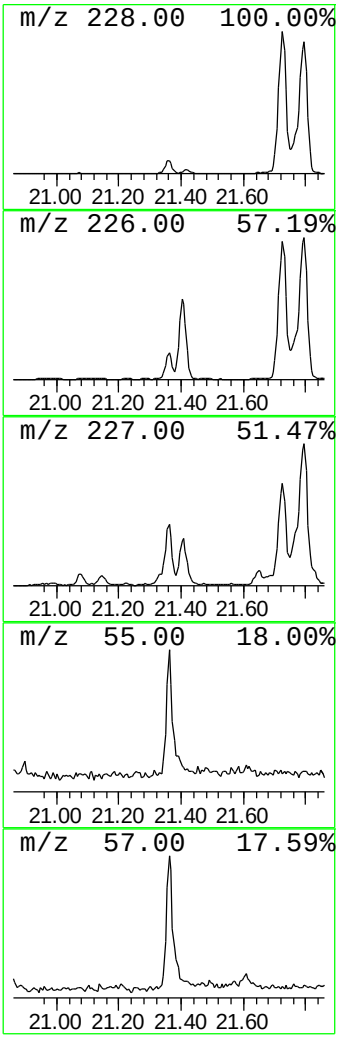
Peak Number 15 Isothiazol-5-amine, 4-bromo... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.41 ng/ul	271727	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47
5	Triphenylene	228	C18H12	000217-59-4	45





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Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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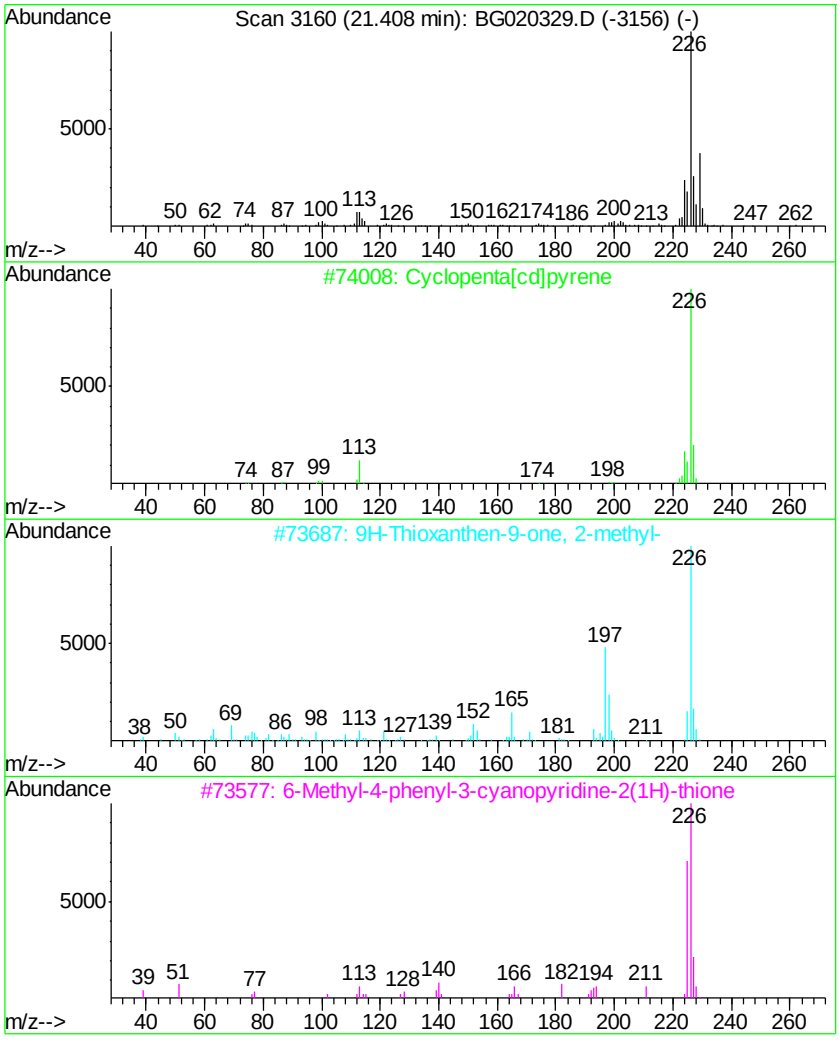
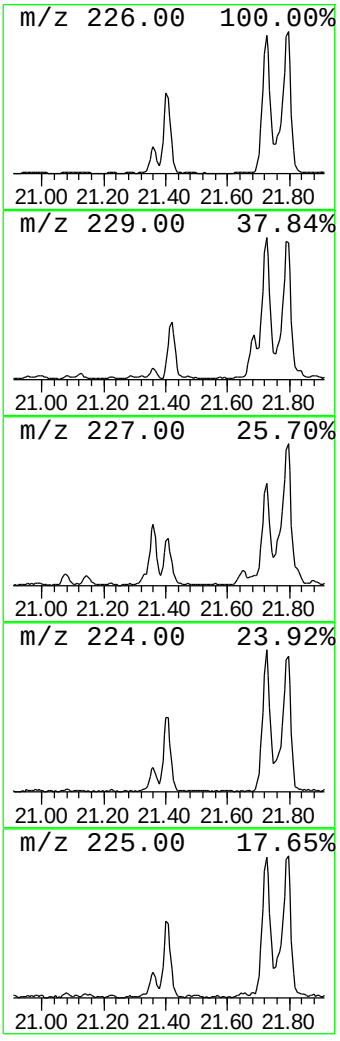
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.67 ng/ul	300709	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	49
3	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
5	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	38





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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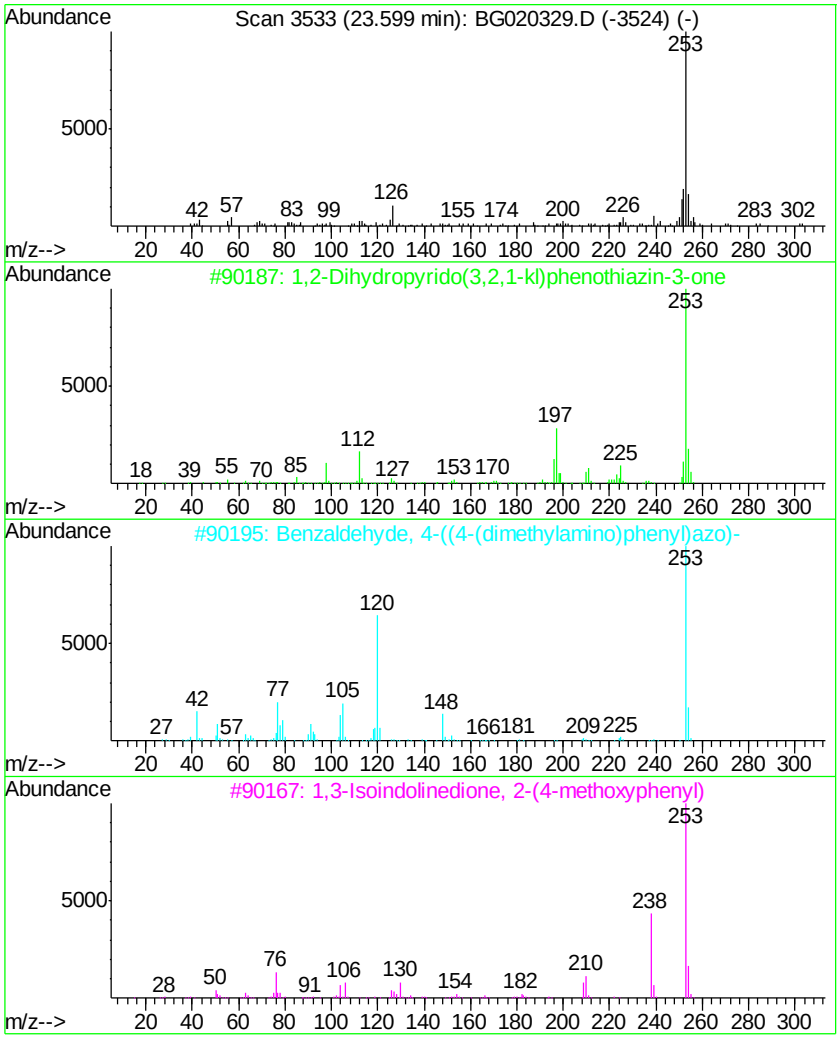
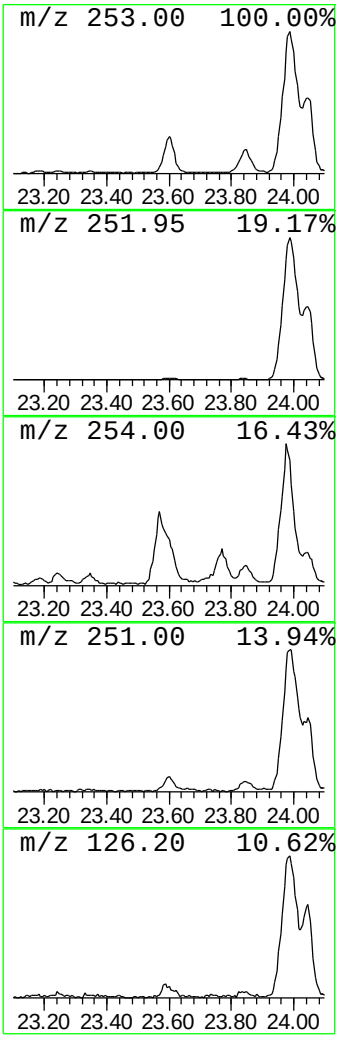
Peak Number 17 1,2-Dihydropyrido(3,2,1-kl)... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	6.41 ng/ul	185210	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	59
2	Benzaldehyde, 4-((4-(dimethylami...	253	C15H15N3O	039208-00-9	49
3	1,3-Isoindolinedione, 2-(4-metho...	253	C15H11NO3	002142-04-3	47
4	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	45
5	2-[p-Cyanophenyl]-5-chlorobenzim...	253	C14H8ClN3	146132-86-7	42





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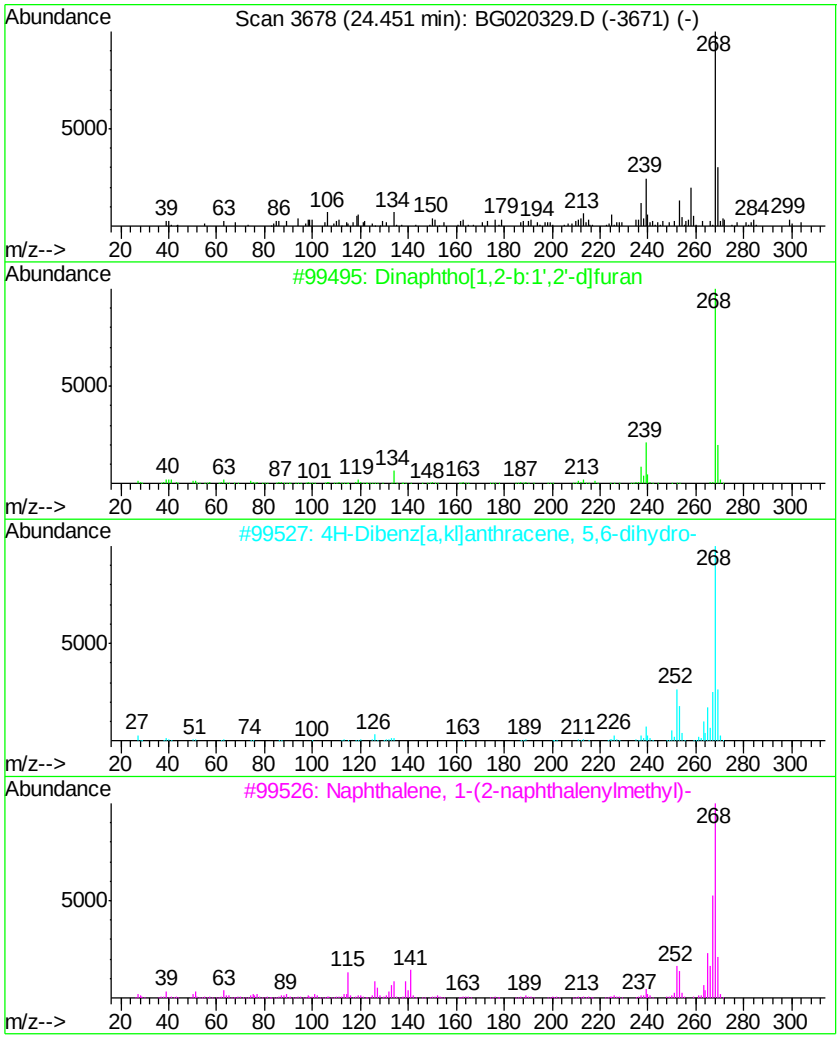
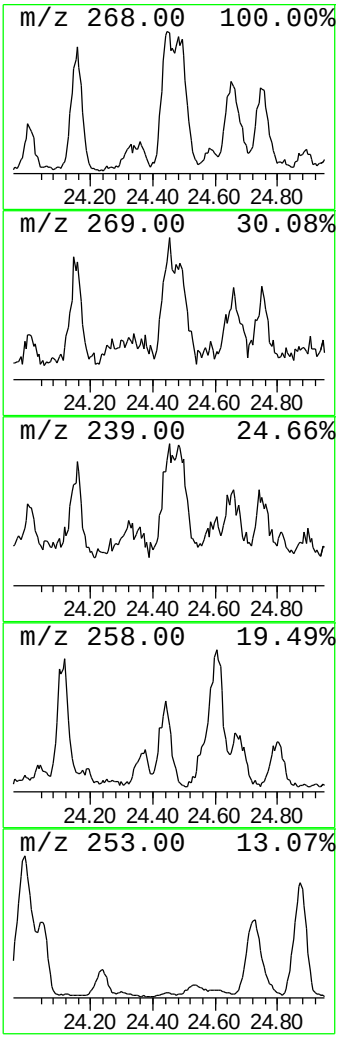
Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.45	3.36 ng/ul	96990	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	58
3	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	53
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	52





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ClientSampleId : E43M3

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Quant Title : SVOA CALIBRATION

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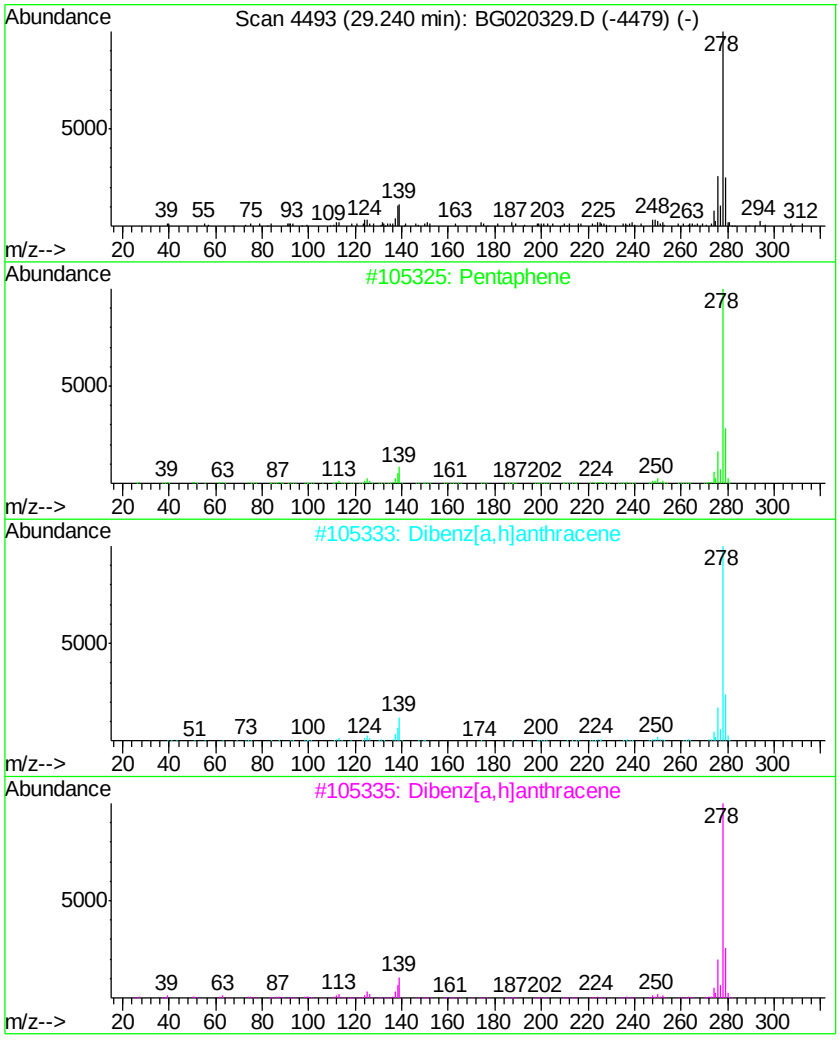
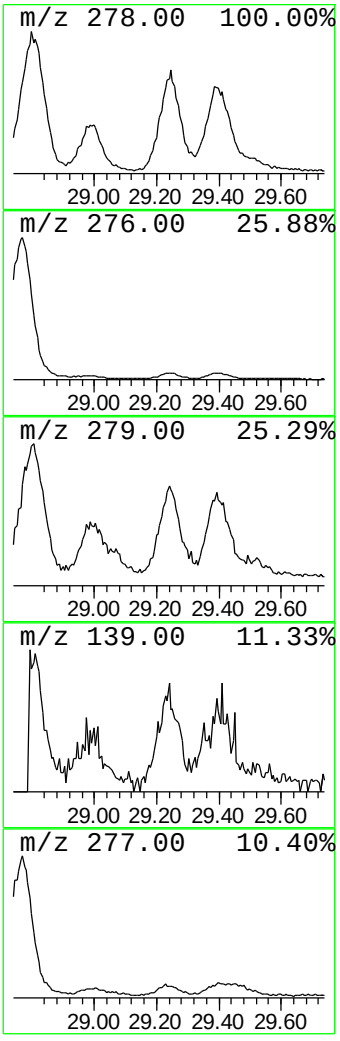
Peak Number 22 Pentaphene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.24	6.71 ng/ul	193905	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	90
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89
5	Pentacene	278	C22H14	000135-48-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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-...	3.15	2.7	ng/ul	18599	1	8.09	135950	20.0
Butane, 2-methoxy...	3.19	5.7	ng/ul	38955	1	8.09	135950	20.0
Dibenzothiophene	17.28	2.3	ng/ul	42814	4	17.47	374704	20.0
Phenanthrene, 1-m...	18.34	7.4	ng/ul	138990	4	17.47	374704	20.0
Phenanthrene, 2-m...	18.39	6.0	ng/ul	111858	4	17.47	374704	20.0
4H-Cyclopenta[def...	18.54	13.4	ng/ul	251003	4	17.47	374704	20.0
2-Phenylnaphthalene	18.83	4.8	ng/ul	90043	4	17.47	374704	20.0
9,10-Anthracenedione	18.88	6.7	ng/ul	125896	4	17.47	374704	20.0
di-p-Tolylacetylene	19.25	2.9	ng/ul	53744	4	17.47	374704	20.0
Cyclopenta(def)ph...	19.39	4.5	ng/ul	84257	4	17.47	374704	20.0
11H-Benzo[b]fluorene	20.36	3.7	ng/ul	412396	5	21.74	2250510	20.0
Benzo[b]naphtho[2...	21.31	2.7	ng/ul	306479	5	21.74	2250510	20.0
Isothiazol-5-amin...	21.36	2.4	ng/ul	271727	5	21.74	2250510	20.0
Cyclopenta[cd]pyrene	21.41	2.7	ng/ul	300709	5	21.74	2250510	20.0
1,2-Dihydropyrido...	23.60	6.4	ng/ul	185210	6	25.02	577557	20.0
Dinaphtho[1,2-b:1...	24.45	3.4	ng/ul	96990	6	25.02	577557	20.0
Pentaphene	29.24	6.7	ng/ul	193905	6	25.02	577557	20.0