LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

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-BG111615.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	3.084	35	42	50	rBV	76651	140542	4.56%	0.369%
2	3.166	50	56	73	rVB	1475850	2074731	67.30%	5.450%
3	7.297	753	759	768	rVB	86203	159231	5.17%	0.418%
4	7.461	781	787	797	rVB	67278	107136	3.48%	0.281%
5	7.673	815	823	830	rBV	79591	136309	4.42%	0.358%
6	8.149	897	904	914	rVB	94762	153629	4.98%	0.404%
7	8.854	1017	1024	1031	rBV2	111185	192866	6.26%	0.507%
8	9.318	1097	1103	1114	rVB	91909	157719	5.12%	0.414%
9	10.046	1219	1227	1234	rBV3	79860	141310	4.58%	0.371%
10	10.593	1311	1320	1331	rVB	118545	207698	6.74%	0.546%
11	10.981	1379	1386	1390	rBV	145055	262661	8.52%	0.690%
12	11.028	1390	1394	1401	rVB	38676	64488	2.09%	0.169%
13	11.110	1401	1408	1419	rBV	89778	169583	5.50%	0.445%
14	14.177	1923	1930	1934	rVV	254124	371891	12.06%	0.977%
15	14.224	1934	1938	1945	rVB	214551	304777	9.89%	0.801%
16	14.476	1975	1981	1997	rBV	239856	441247	14.31%	1.159%
17	14.782	2019	2033	2039	rBV2	302254	496364	16.10%	1.304%
18	14.847	2039	2044	2051	rVB	57496	88065	2.86%	0.231%
19	14.970	2058	2065	2075	rBV	115993	198187	6.43%	0.521%
20	15.176	2094	2100	2107	rVB2	33442	53449	1.73%	0.140%
21	15.769	2195	2201	2206	rVV	359243	539821	17.51%	1.418%
22	15.822	2206	2210	2216	rVV2	56129	99471	3.23%	0.261%
23	15.881	2216	2220	2228	rVB3	72357	105206	3.41%	0.276%
24	16.116	2255	2260	2269	rVB	56435	95830	3.11%	0.252%
25	16.263	2274	2285	2292	rBV3	72017	164568	5.34%	0.432%
26	16.486	2320	2323	2329	rVB4	39479	59619	1.93%	0.157%
27	16.827	2373	2381	2385	rBV3	63897	135290	4.39%	0.355%
28	16.974	2401	2406	2411	rVB2	35195	55703	1.81%	0.146%
29	17.050	2413	2419	2423	rBV3	60463	114529	3.72%	0.301%
30	17.179	2436	2441	2446	rVB2	33286	50766	1.65%	0.133%
31	17.244	2447	2452	2458	rVV2	64509	121942	3.96%	0.320%
32	17.338	2464	2468	2476	rVB	72030	128247	4.16%	0.337%
33	17.520	2493	2499	2503	rBV	442963	704381	22.85%	1.850%
34	17.567	2503	2507	2511	rVV	543621	780375	25.31%	2.050%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

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-BG111615.M
Title : SVOA CALIBRATION

35	17.620	2511	2516	2520	rVV	431339	675647	21.92%	1.775%
36	17.655	2520	2522	2526	rVV	188088	221852	7.20%	0.583%
37	17.708	2526	2531	2536	rVV4	35316	72584	2.35%	0.191%
38	17.955	2564	2573	2576	rBV4	33214	81362	2.64%	0.214%
39	18.037	2583	2587	2594	rBV3	41871	65652	2.13%	0.172%
40	18.395	2642	2648	2652	rBV	168475	263765	8.56%	0.693%
41	18.442	2652	2656	2661	rVB	199982	274526	8.91%	0.721%
42	18.525	2664	2670	2675	rBV	136019	205148	6.65%	0.539%
43	18.589	2675	2681	2685	rBV3	317451	578082	18.75%	1.518%
44	18.883	2726	2731	2737	rVB	180325	257911	8.37%	0.677%
45	19.124	2768	2772	2777	rBV2	43532	60761	1.97%	0.160%
46	19.177	2777	2781	2784	rBV	41393	50214	1.63%	0.132%
47	19.218	2784	2788	2794	rVB2	46890	67485	2.19%	0.177%
48	19.294	2796	2801	2806	rBV	123712	228496	7.41%	0.600%
49	19.365	2809	2813	2816	rBV3	56650	75709	2.46%	0.199%
50	19.435	2821	2825	2827	rBV2	36291	52637	1.71%	0.138%
51	19.570	2840	2848	2853	rBV	2038710	3082778	100.00%	8.098%
52	19.617	2853	2856	2859	rVV2	35252	44349	1.44%	0.116%
53	19.653	2859	2862	2866	rVB3	43003	57165	1.85%	0.150%
54	19.711	2867	2872	2881	rBV	234280	356308	11.56%	0.936%
55	19.805	2881	2888	2891	rBV	74541	135125	4.38%	0.355%
56	19.894	2897	2903	2906	rBV2	836800	1463298	47.47%	3.844%
57	19.929	2906	2909	2916	rVV	1671688	2347385	76.15%	6.166%
58	19.988	2916	2919	2926	rVB3	131644	225460	7.31%	0.592%
59	20.093	2933	2937	2942	rVB	146683	216731	7.03%	0.569%
60	20.146	2943	2946	2955	rVB9	27151	59236	1.92%	0.156%
61	20.240	2955	2962	2969	rBV2	156960	407183	13.21%	1.070%
62	20.411	2979	2991	2996	rBV	442079	833296	27.03%	2.189%
63	20.511	3003	3008	3012	rBV	438530	604947	19.62%	1.589%
64	20.569	3012	3018	3022	rVV2	186549	349884	11.35%	0.919%
65	20.663	3028	3034	3038	rVV2	150097	252891	8.20%	0.664%
66	20.710	3038	3042	3045	rVV	102880	158732	5.15%	0.417%
67	20.751	3046	3049	3060	rVB	150729	286614	9.30%	0.753%
68	20.934	3077	3080	3083	rBV2	30495	46786	1.52%	0.123%
69	21.004	3088	3092	3094	rVV3	59464	86492	2.81%	0.227%
70	21.033	3095	3097	3102	rVB2	58199	69642	2.26%	0.183%
71	21.127	3109	3113	3118	rBV2	70148	110735	3.59%	0.291%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

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-BG111615.M
Title : SVOA CALIBRATION

72	21.362	3149	3153	3156	rBV	100590	136422	4.43%	0.358%
73	21.409	3156	3161	3165	rVB	158512	251991	8.17%	0.662%
74	21.456	3165	3169	3174	rBV2	122487	199443	6.47%	0.524%
75	21.650	3198	3202	3213	rVB6	53683	122610	3.98%	0.322%
76	21.780	3217	3224	3231	rVV2	1171097	2921027	94.75%	7.673%
77	21.844	3231	3235	3246	rVB	734146	1254812	40.70%	3.296%
78	21.997	3256	3261	3268	rBV2	156965	266193	8.63%	0.699%
79	22.062	3269	3272	3278	rVB4	41630	72840	2.36%	0.191%
80	22.209	3292	3297	3304	rVB2	87775	178893	5.80%	0.470%
81	22.461	3336	3340	3344	rVV3	37119	71531	2.32%	0.188%
82	22.538	3345	3353	3359	rVV	154598	406526	13.19%	1.068%
83	22.608	3362	3365	3372	rVB	74394	141643	4.59%	0.372%
84	22.761	3386	3391	3396	rBV3	86011	176528	5.73%	0.464%
85	22.825	3398	3402	3405	rVV3	89449	180483	5.85%	0.474%
86	22.872	3406	3410	3418	rVB4	120552	260363	8.45%	0.684%
87	22.961	3422	3425	3435	rVB3	54555	119896	3.89%	0.315%
88	24.059	3602	3612	3620	rBV2	432705	1644350	53.34%	4.319%
89	24.324	3649	3657	3665	rVB	144395	375342	12.18%	0.986%
90	24.529	3687	3692	3697	rBV8	29402	78330	2.54%	0.206%
91	24.805	3731	3739	3745	rBV	213029	594843	19.30%	1.563%
92	24.888	3746	3753	3758	rVV	251512	682601	22.14%	1.793%
93	24.958	3759	3765	3776	rVB	486241	1311419	42.54%	3.445%
94	25.117	3781	3792	3800	rBV2	311898	953863	30.94%	2.506%
95	25.193	3800	3805	3820	rVB2	129734	396306	12.86%	1.041%
96	28.918	4425	4439	4460	rVB4	178383	937909	30.42%	2.464%
97	29.400	4510	4521	4522	rBV4	36888	93188	3.02%	0.245%
98	29.559	4539	4548	4560	rVB5	33914	141455	4.59%	0.372%
99	30.111	4628	4642	4654	rVV2	106841	519419	16.85%	1.364%
100	30.740	4741	4749	4750	rBV2	38792	75004	2.43%	0.197%

Sum of corrected areas: 38069729

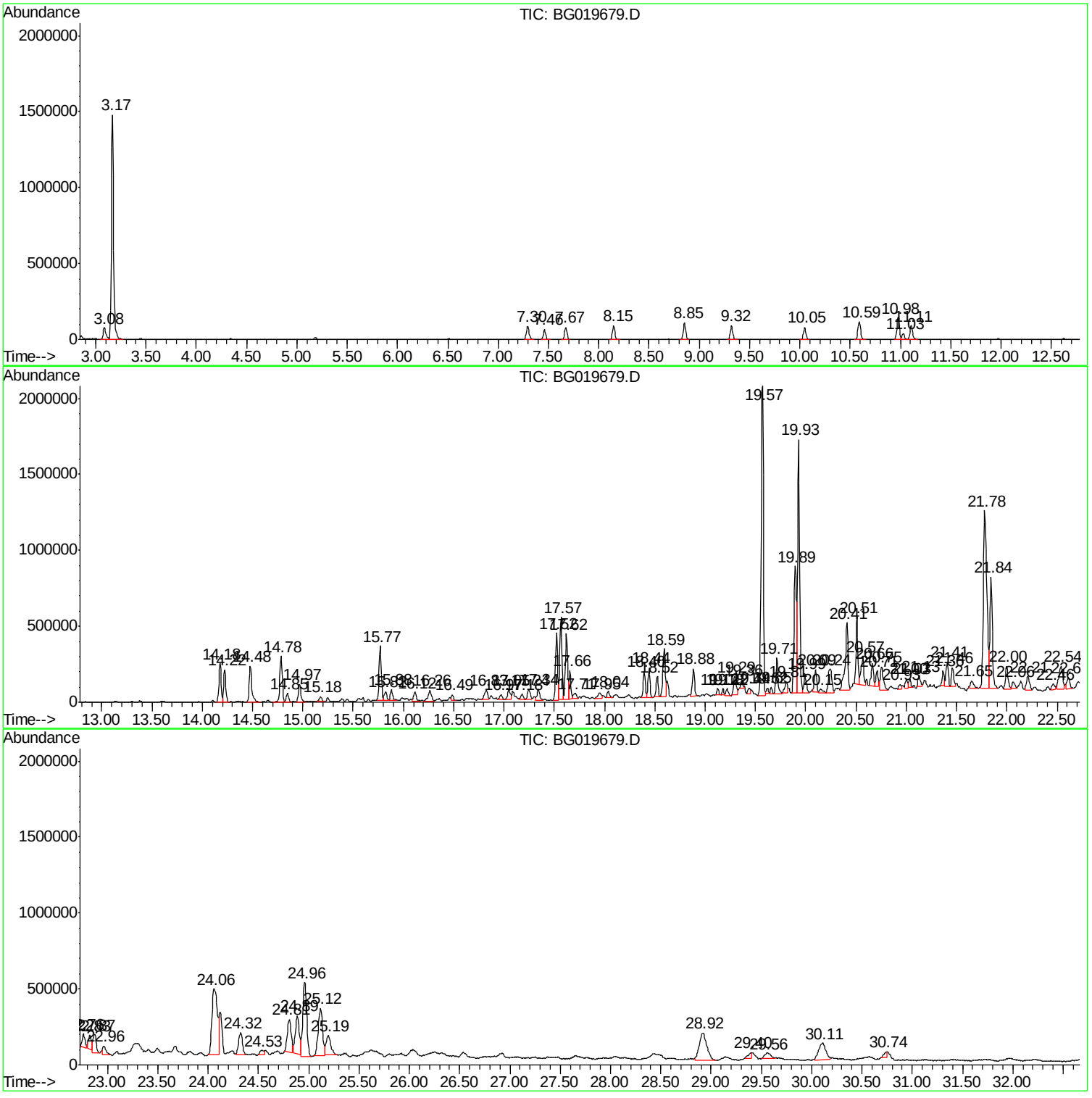
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
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Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

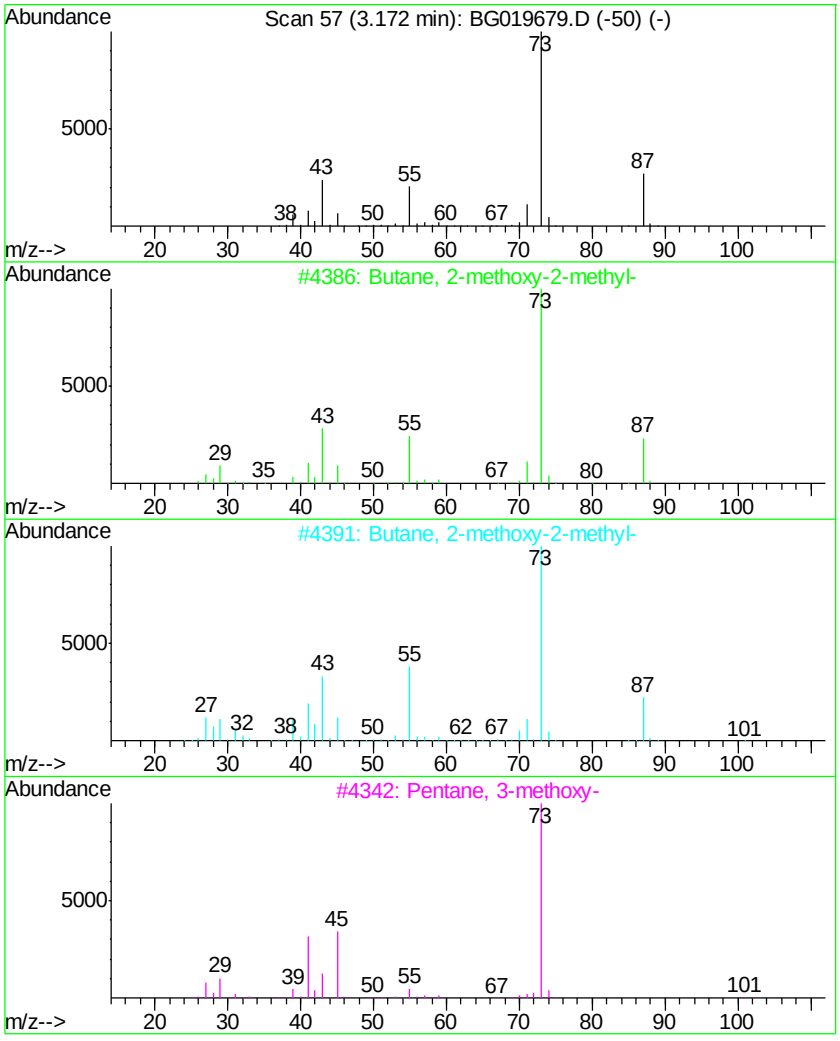
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

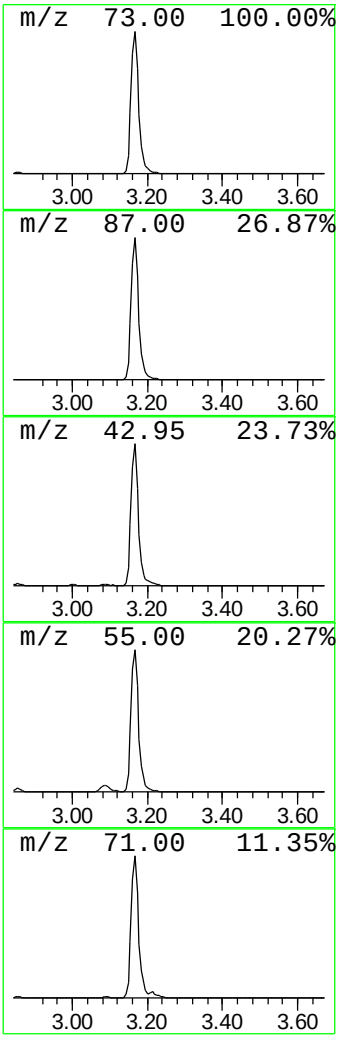
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	270.10 ng/ul	2074730	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

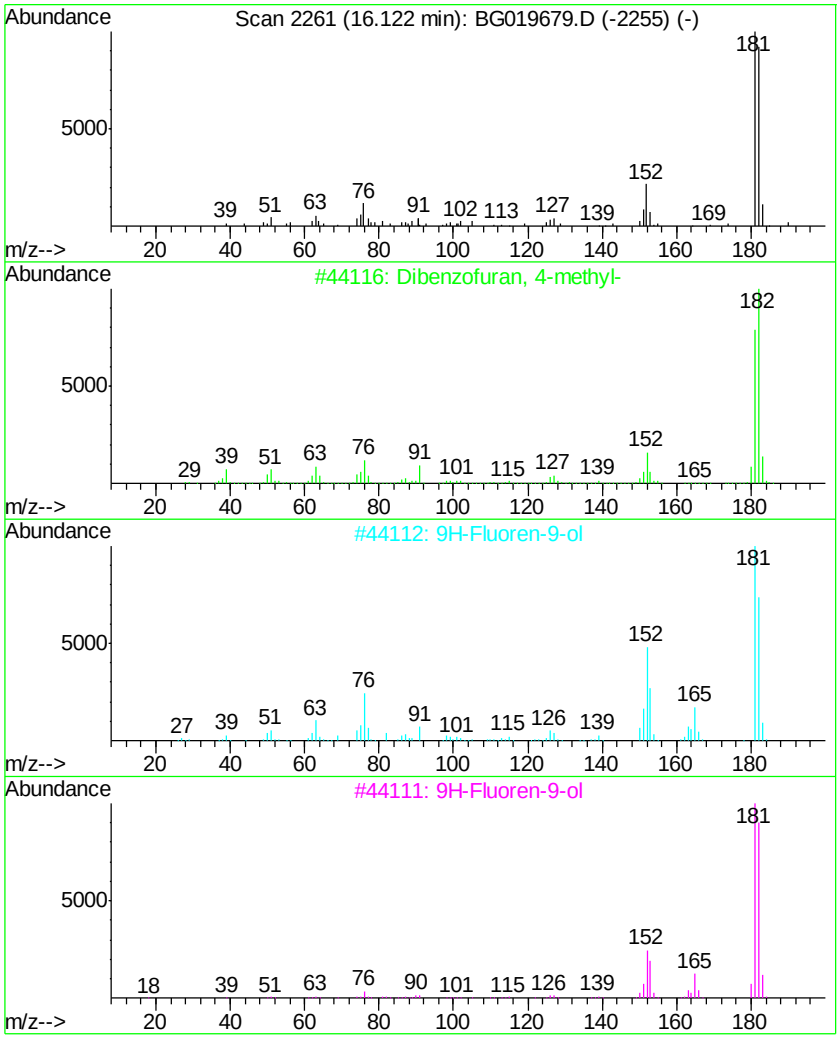
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

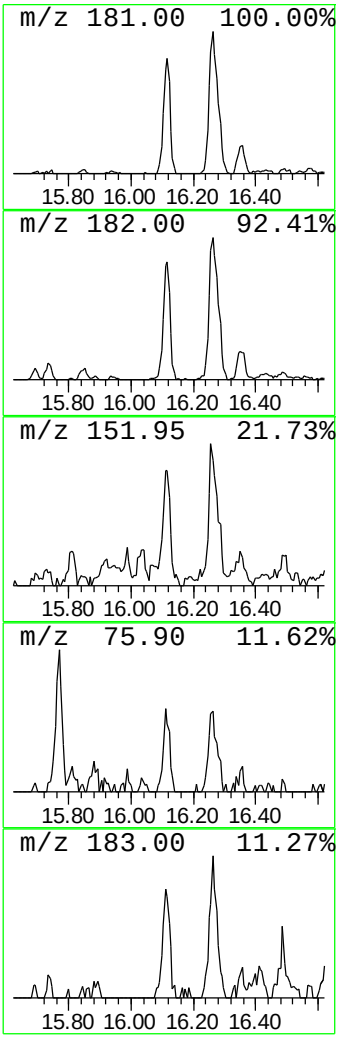
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	3.86 ng/ul	95830	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

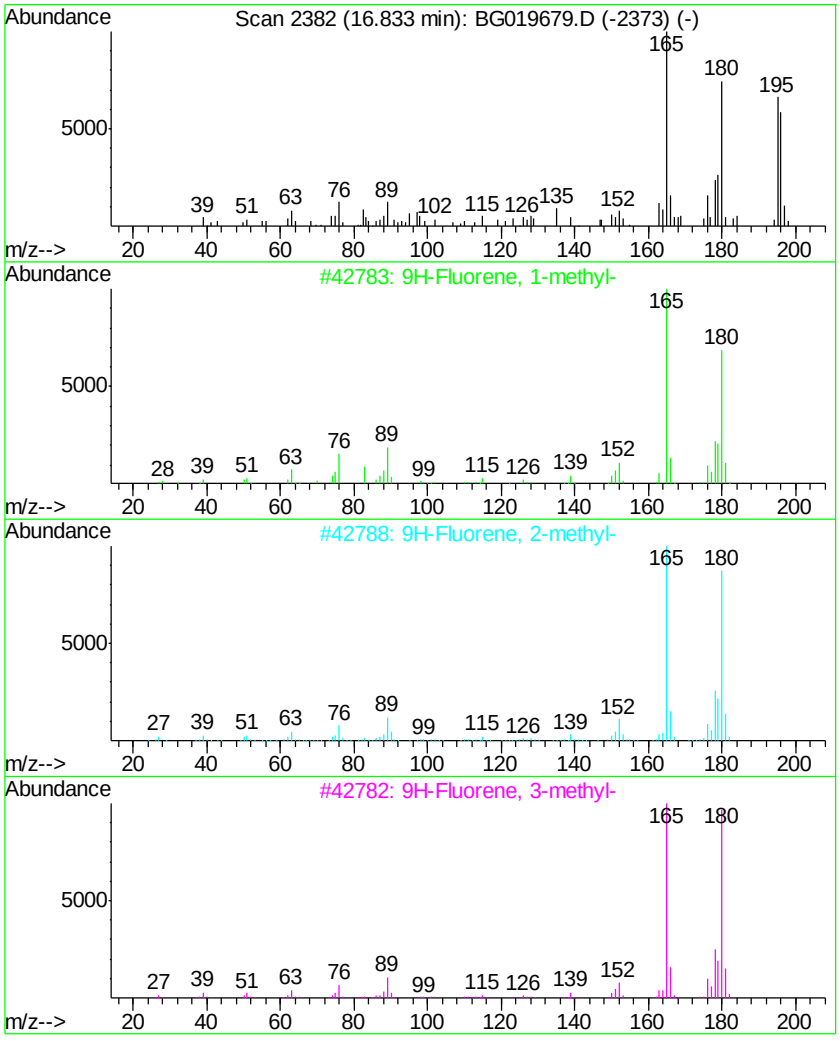
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

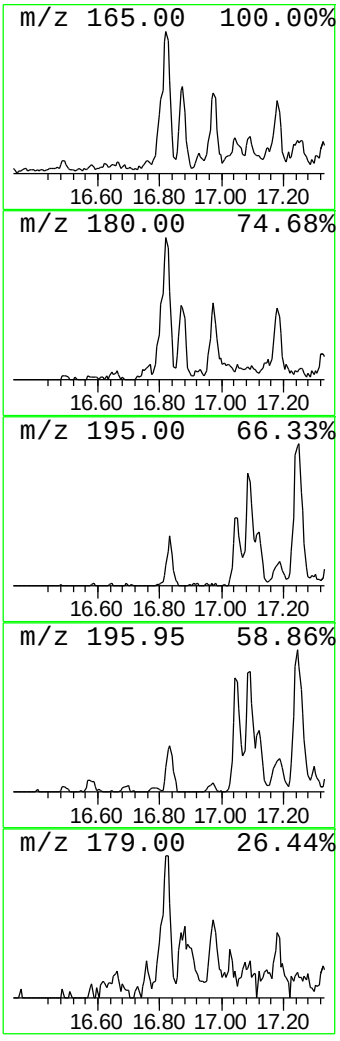
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	3.84 ng/ul	135290	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

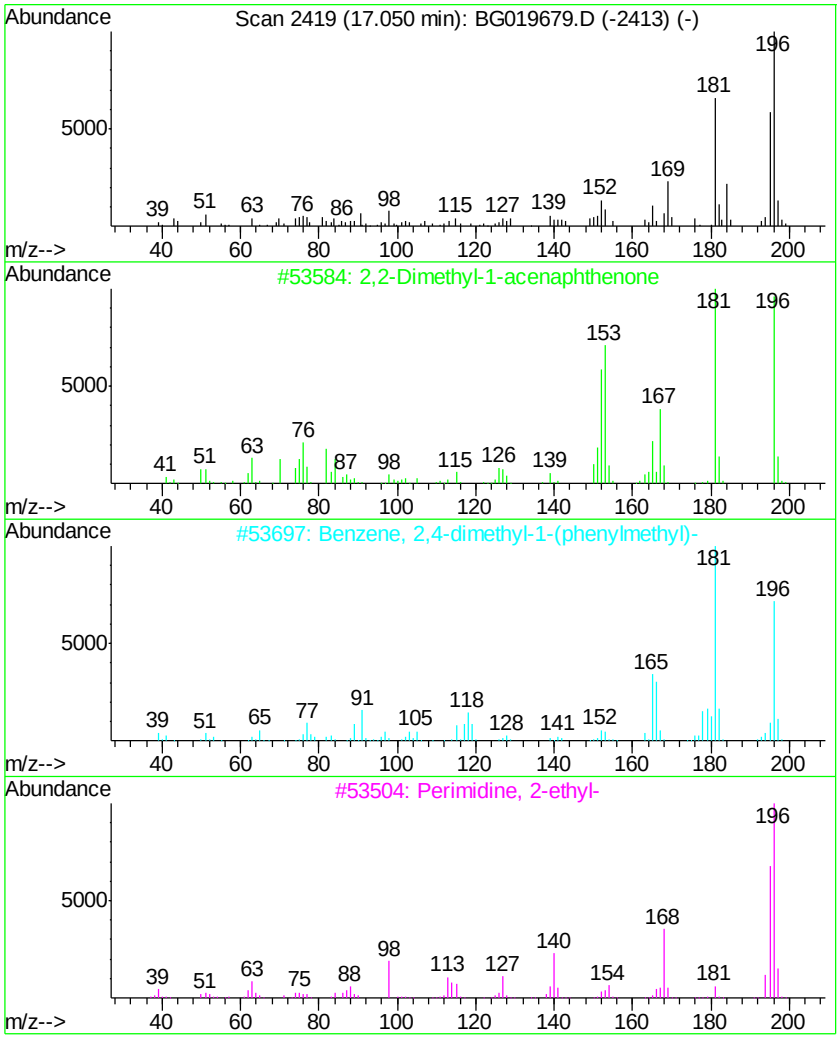
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

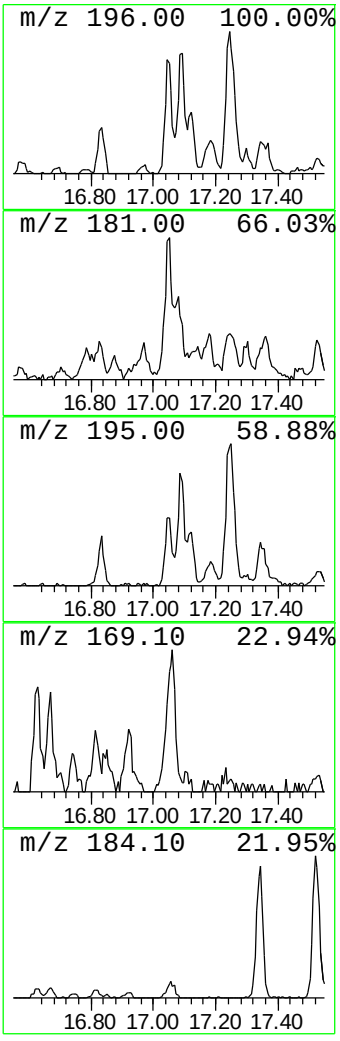
****

Peak Number 6 2,2-Dimethyl-1-acenaphthenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	3.25 ng/ul	114529	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	53
2	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	50
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	47
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

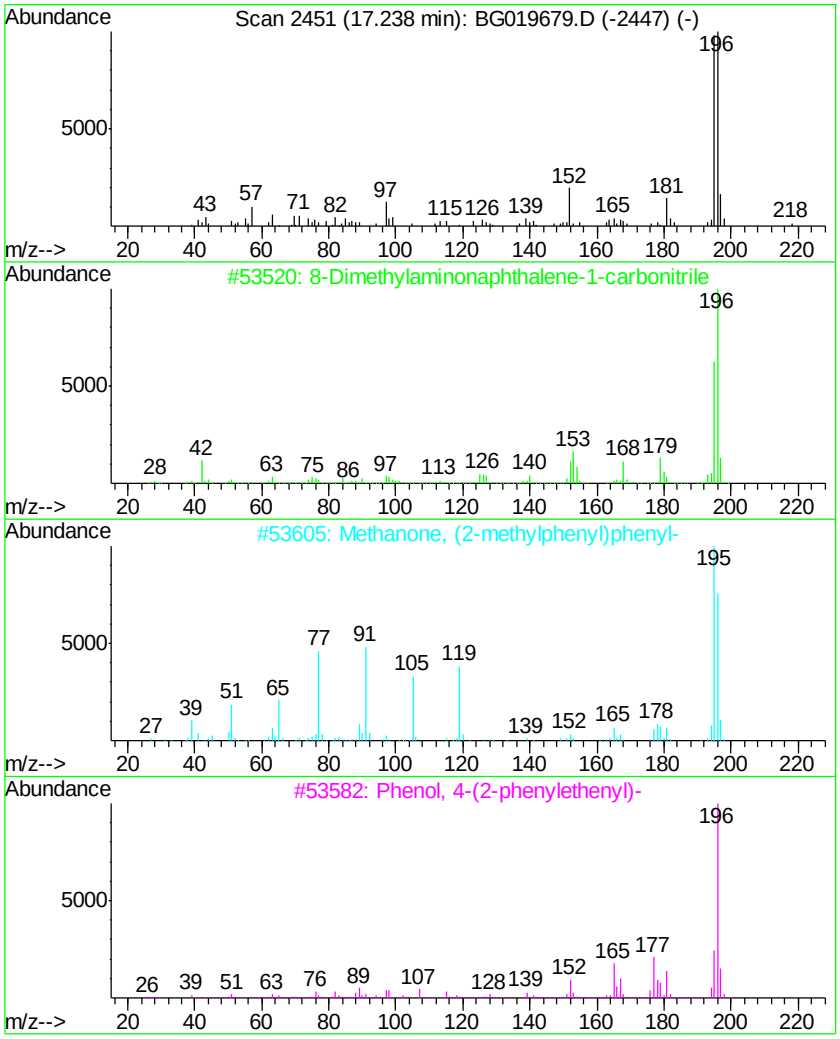
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

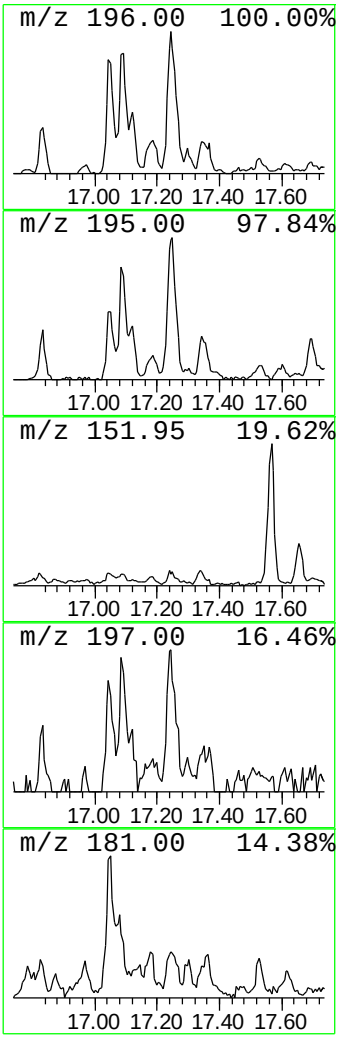
****

Peak Number 7 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	3.46 ng/ul	121942	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	72
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
4	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	47
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47





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Operator : UM/NP
Sample : G4427-10
Misc :
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Instrument : BNA_G
ClientSampleId : BC7C9

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Quant Title : SVOA CALIBRATION

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

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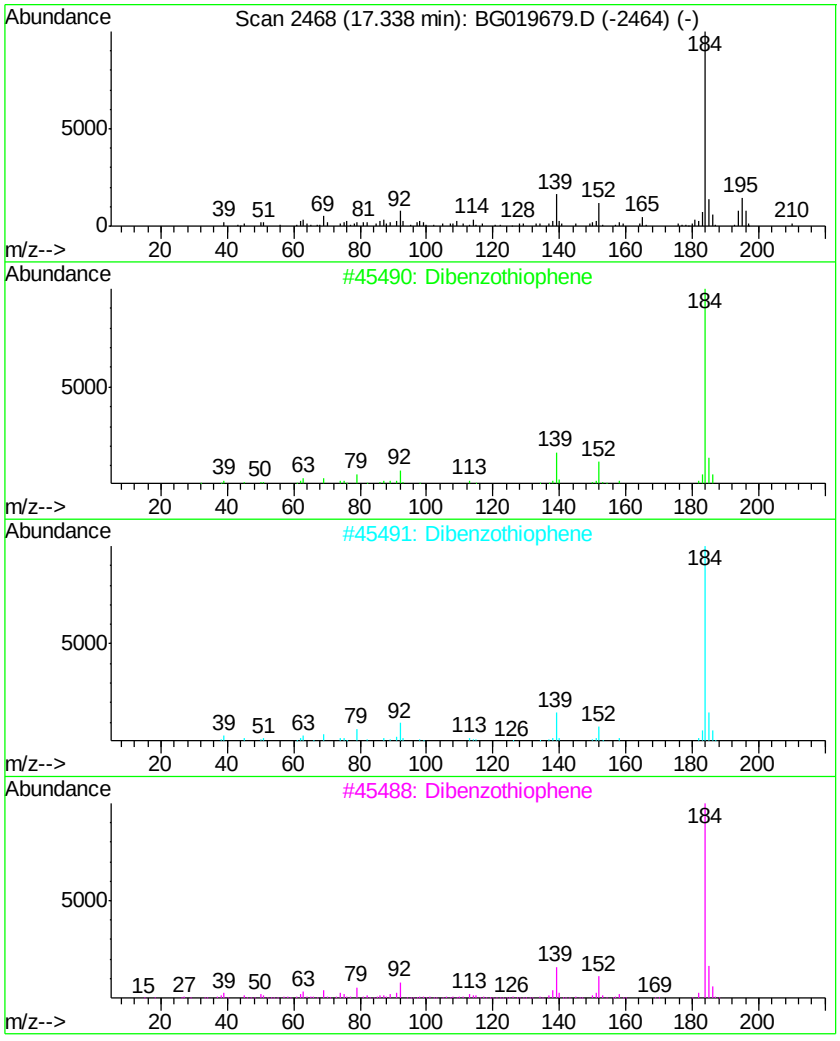
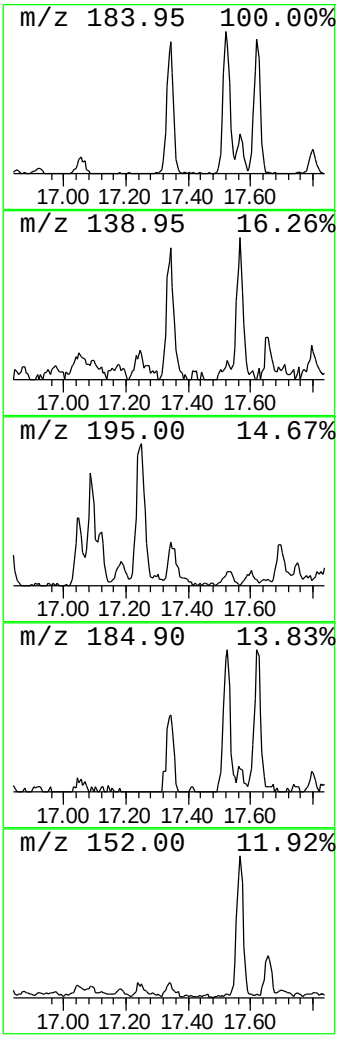
Peak Number 8 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	3.64 ng/ul	128247	Phenanthrene-d10	17.52

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	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





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Instrument : BNA_G
ClientSampleId : BC7C9

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Quant Title : SVOA CALIBRATION

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

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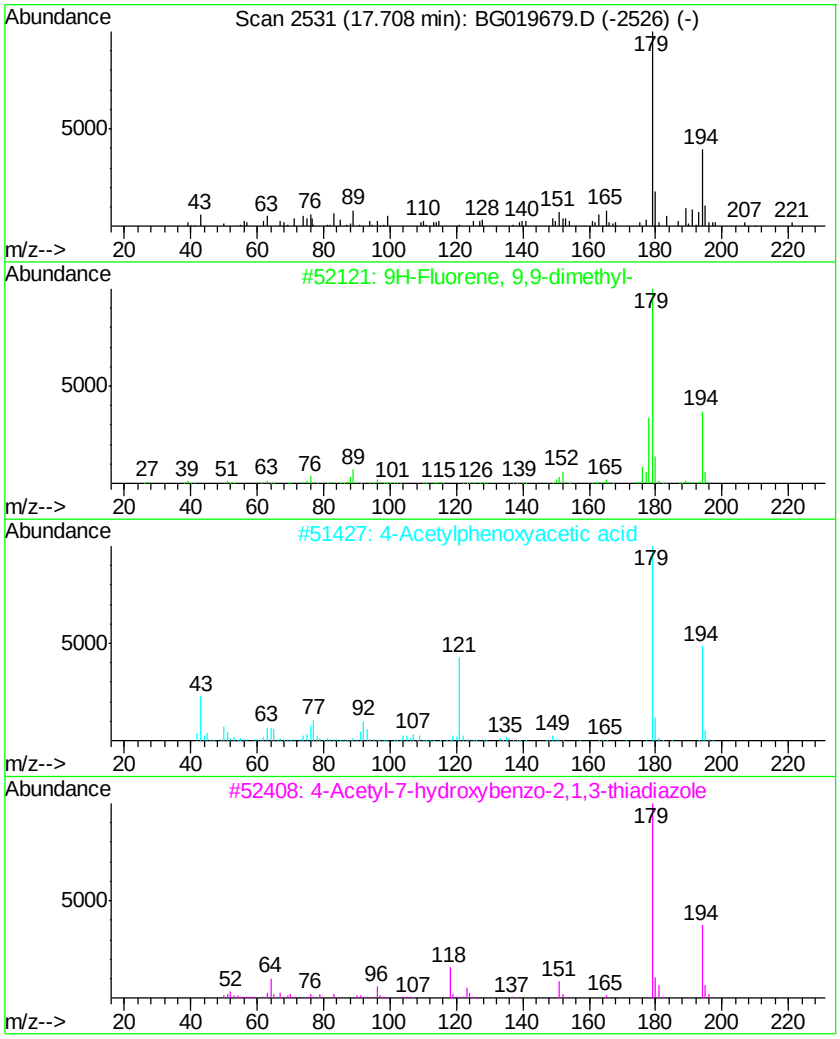
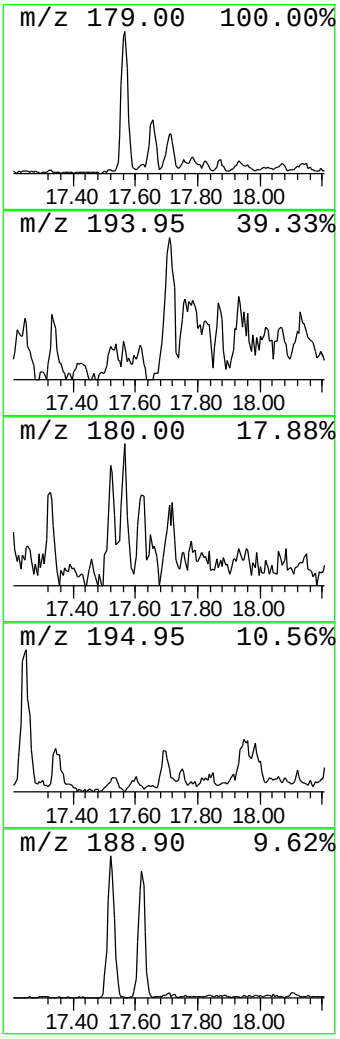
Peak Number 9 9H-Fluorene, 9,9-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.06 ng/ul	72584	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	81
2	4-Acetylphenoxyacetic acid	194	C10H10O4	001878-81-5	64
3	4-Acetyl-7-hydroxybenzo-2,1,3-th...	194	C8H6N2O2S	120893-38-1	64
4	1H-Pyrazole, 3,5-bis(1,1-dimethy...	194	C12H22N2	018712-47-5	64
5	Silane, (2,6-dimethylphenoxy)tri...	194	C11H18OSi	016286-54-7	49





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Instrument : BNA_G
ClientSampleId : BC7C9

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Quant Title : SVOA CALIBRATION

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

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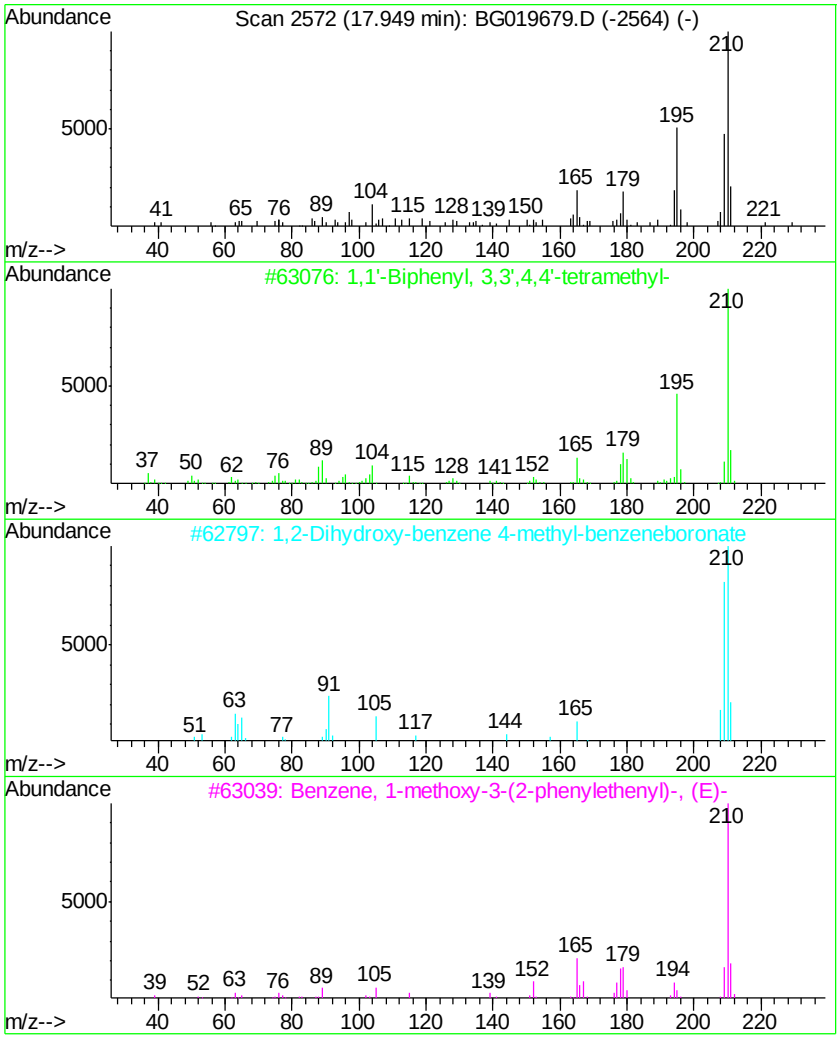
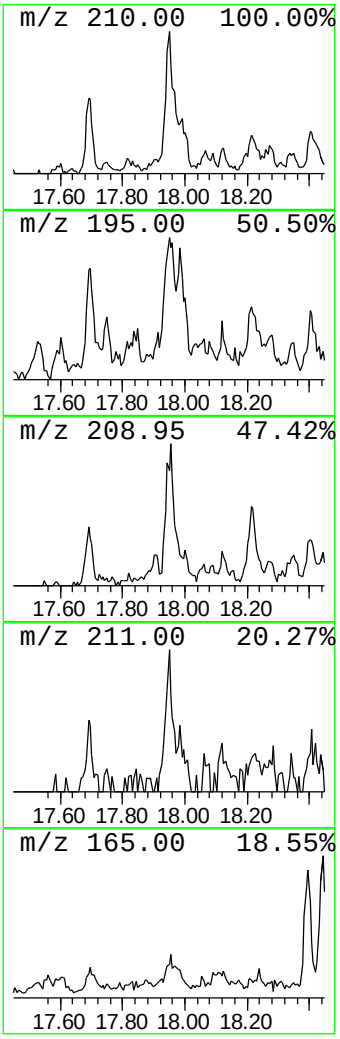
Peak Number 10 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	2.31 ng/ul	81362	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	53
2	1,2-Dihydroxy-benzene 4-methyl-b...	210	C13H11BO2	085107-38-6	52
3	Benzene, 1-methoxy-3-(2-phenylet...	210	C15H14O	014064-41-6	50
4	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	49
5	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	49





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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 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	7.49 ng/ul	263765	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
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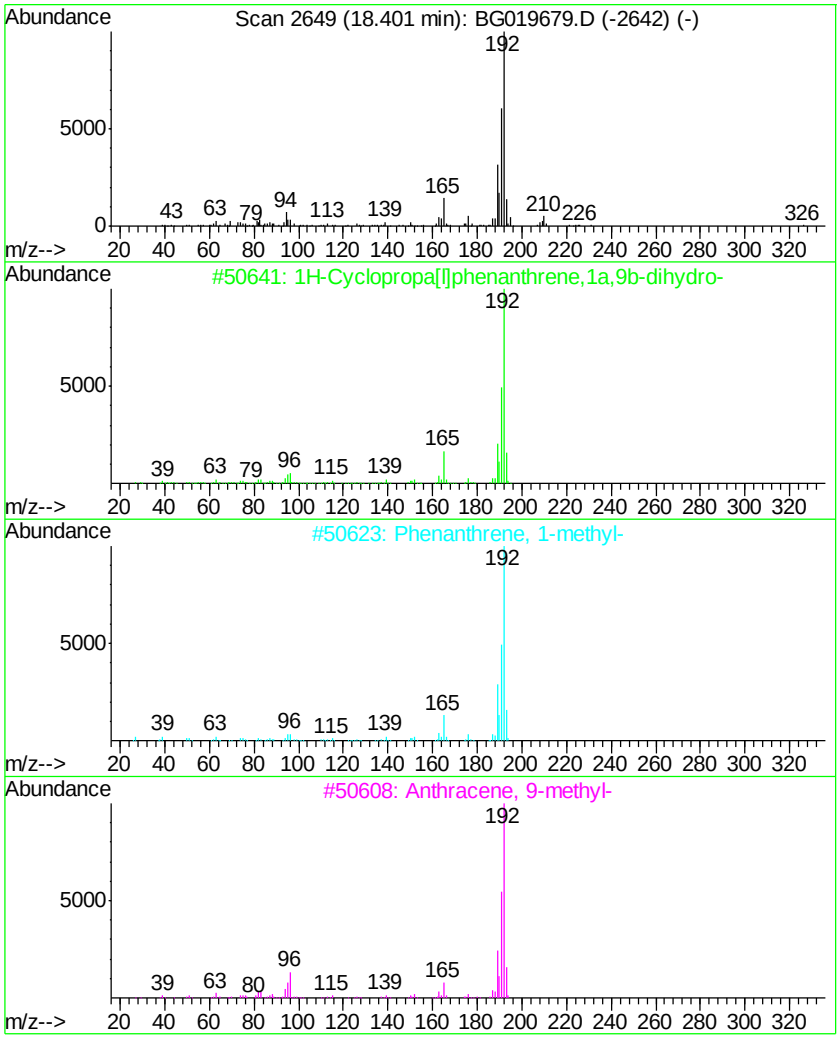

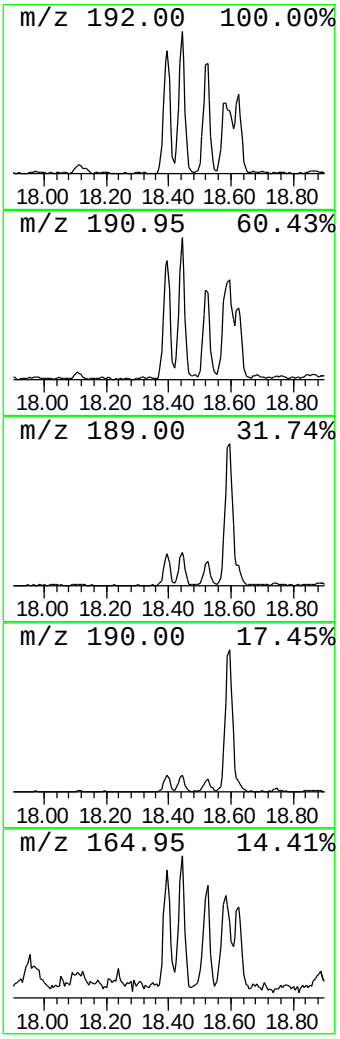

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ClientSampleId : BC7C9

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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 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	7.79 ng/ul	274526	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
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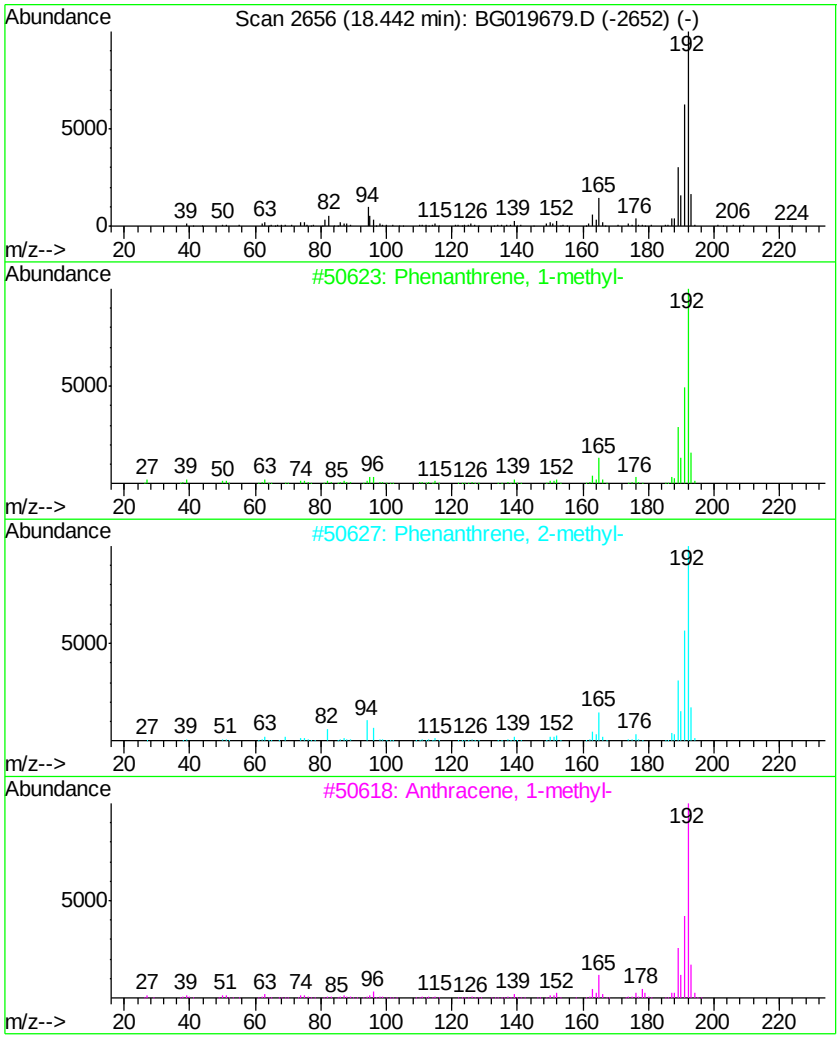

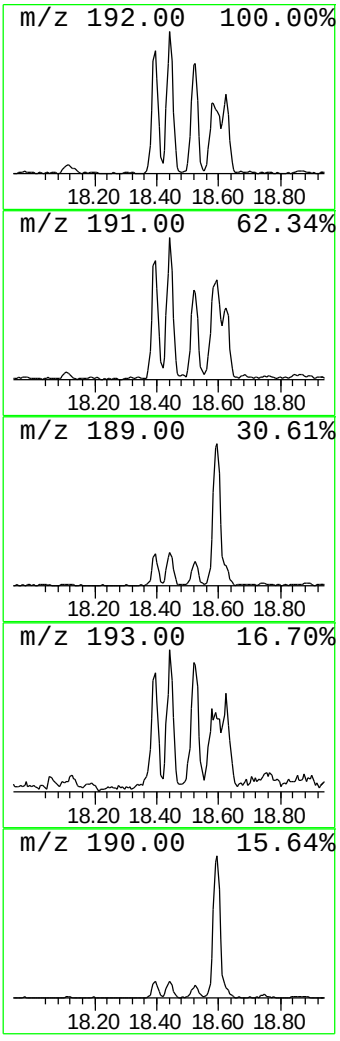

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Instrument : BNA_G
ClientSampleId : BC7C9

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Quant Title : SVOA CALIBRATION

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

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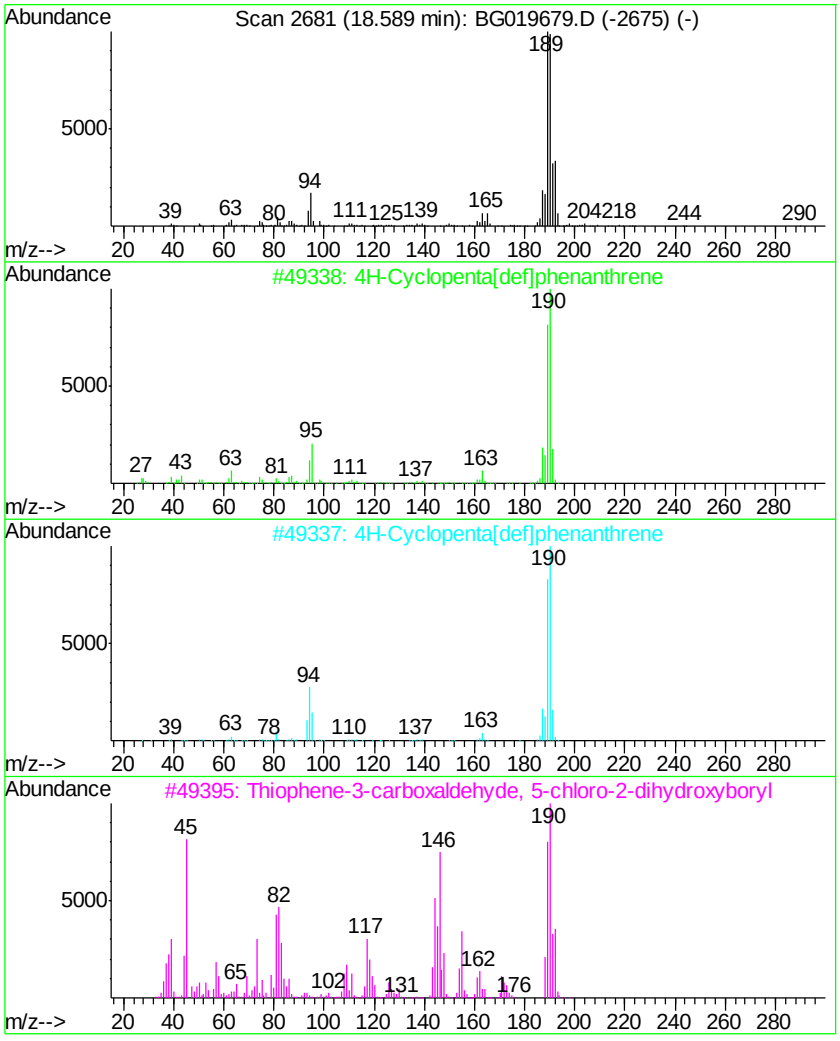
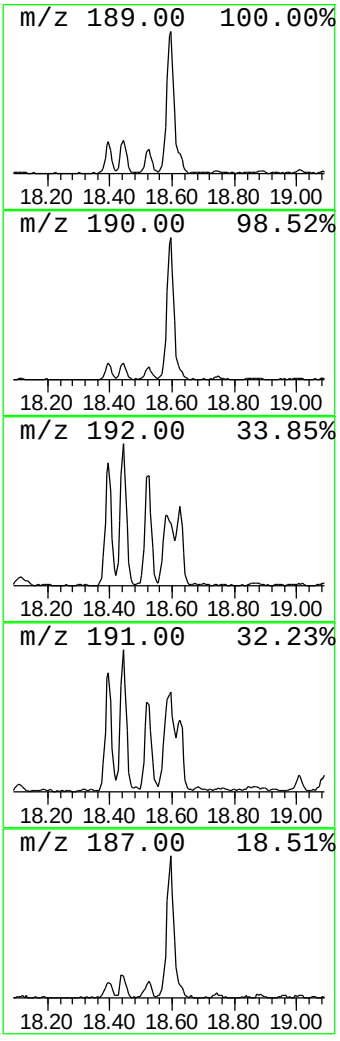
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	16.41 ng/ul	578082	Phenanthrene-d10	17.52

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	83
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Sample : G4427-10
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Instrument : BNA_G
ClientSampleId : BC7C9

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Quant Title : SVOA CALIBRATION

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

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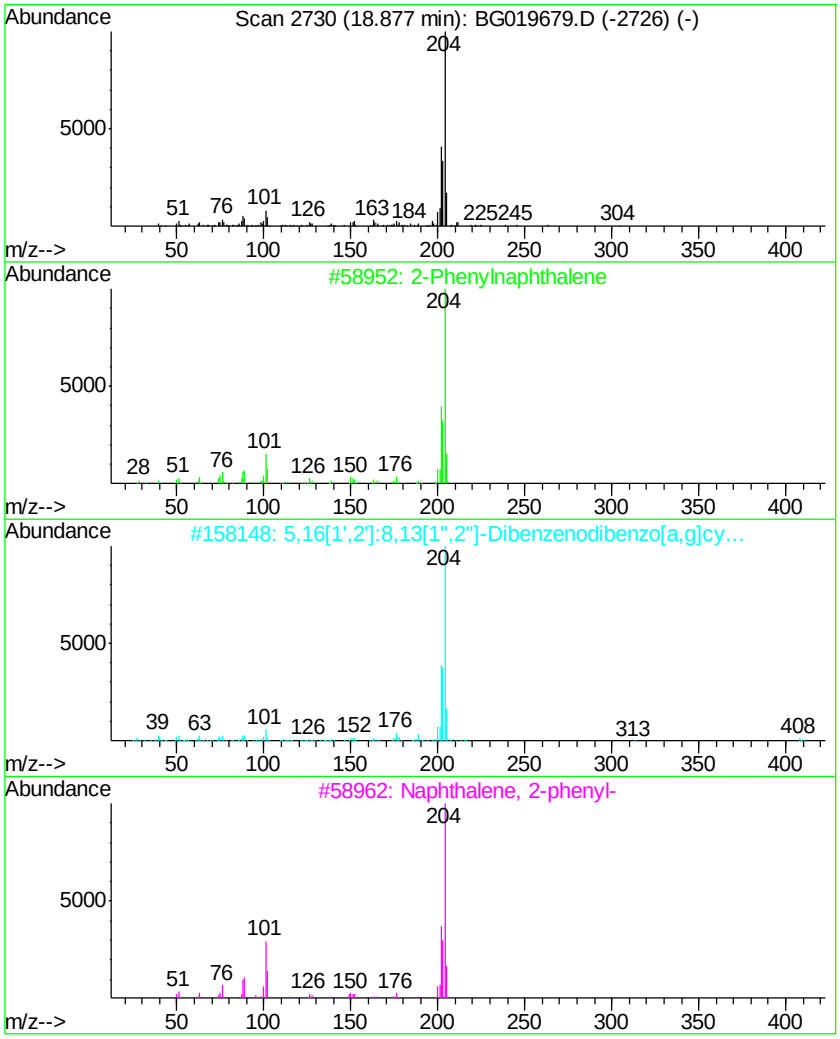
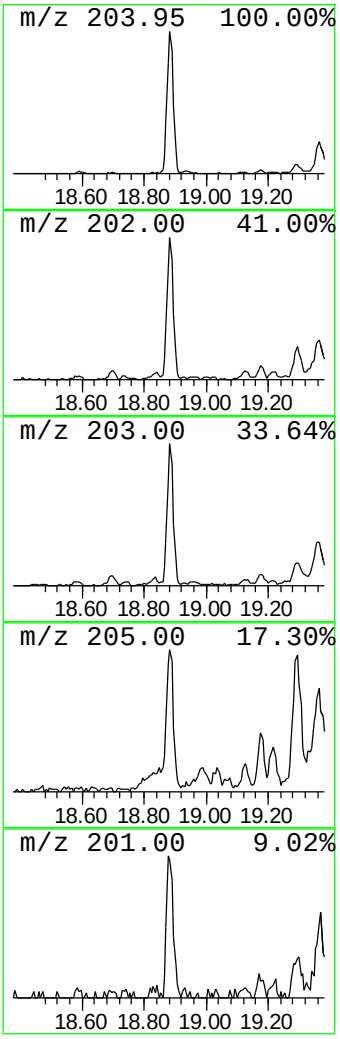
Peak Number 15 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	7.32 ng/ul	257911	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
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	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Quant Title : SVOA CALIBRATION

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

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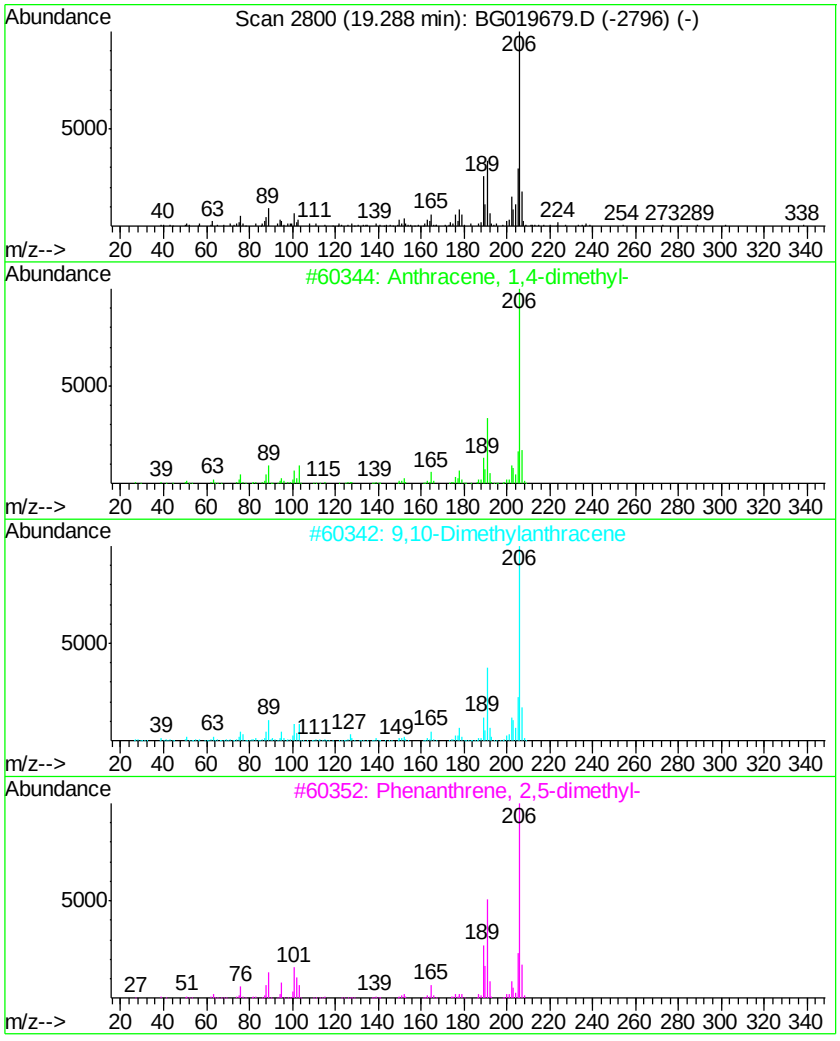
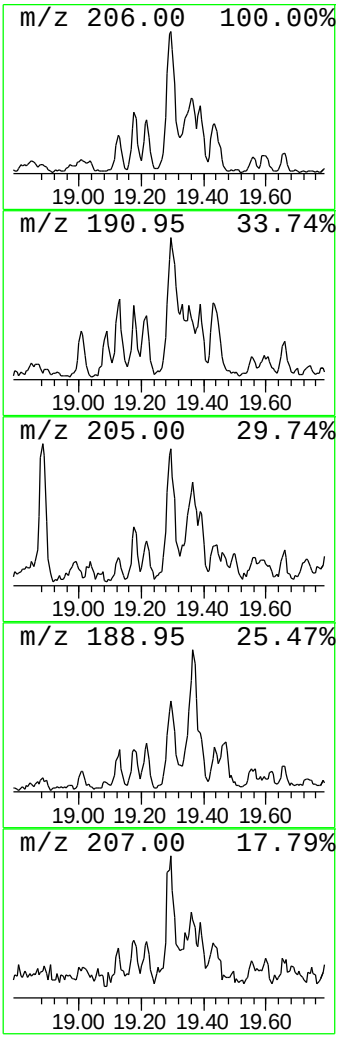
Peak Number 16 Anthracene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	6.49 ng/ul	228496	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Quant Title : SVOA CALIBRATION

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

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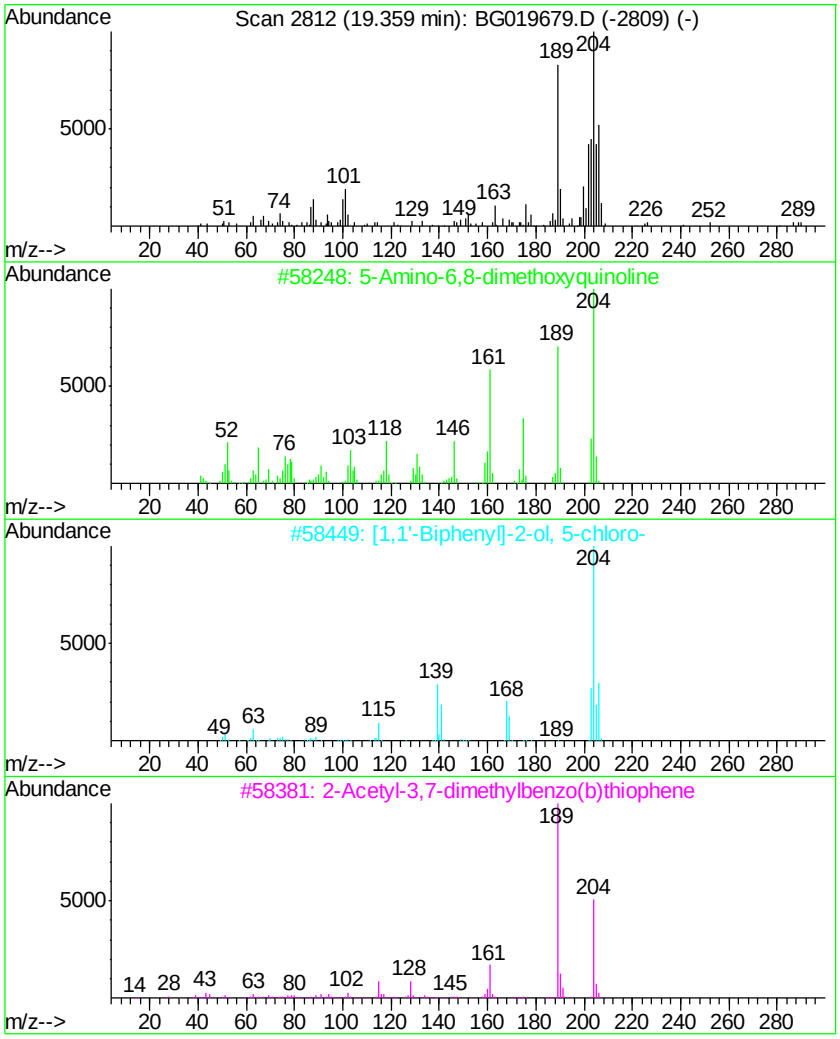
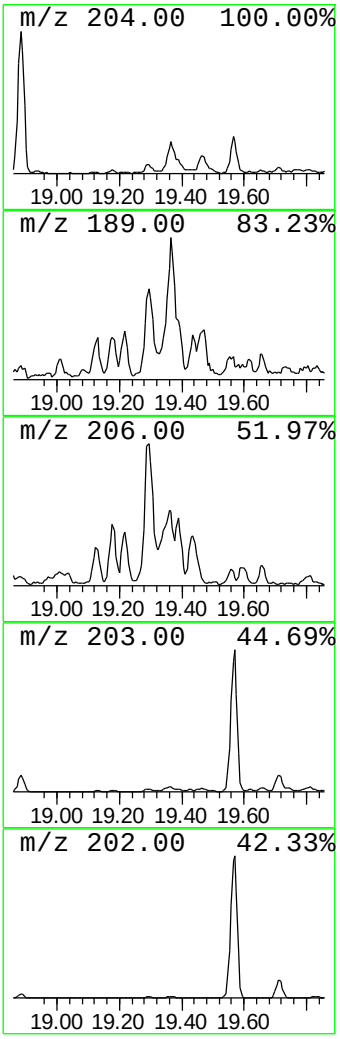
Peak Number 17 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	2.15 ng/ul	75709	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Amino-6,8-dimethoxyquinoline	204	C11H12N2O2	1000213-95-2	47
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38
3	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	37
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	35
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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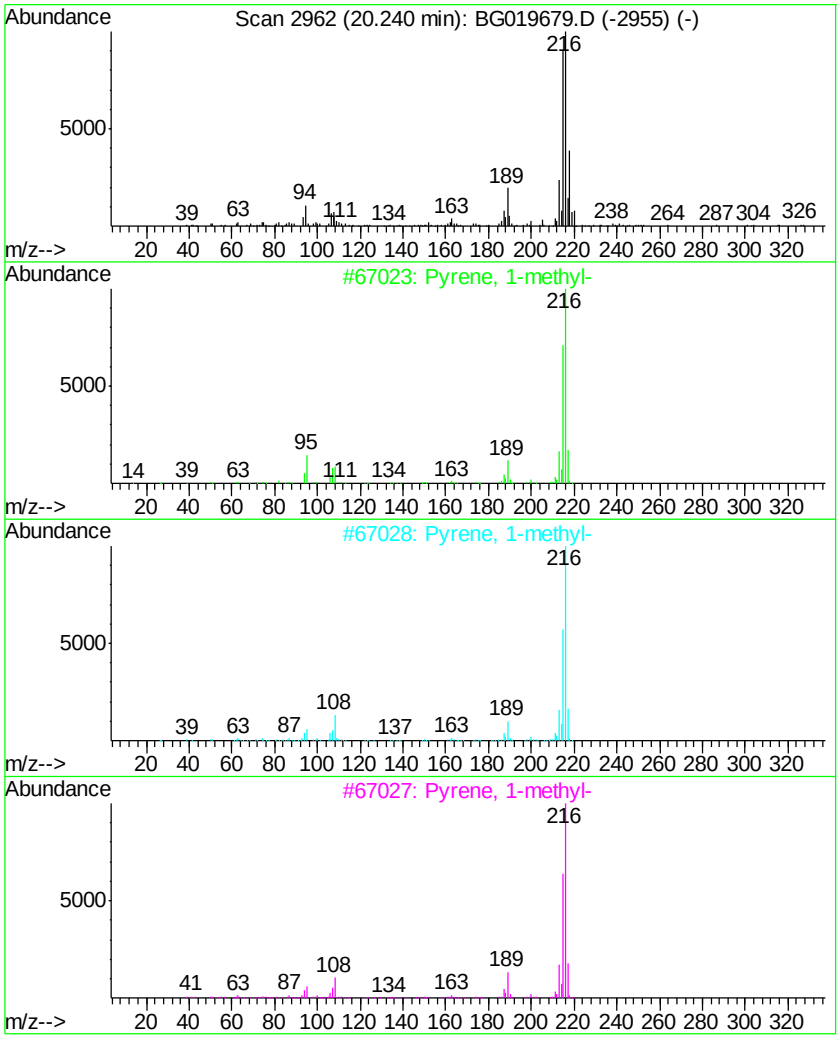
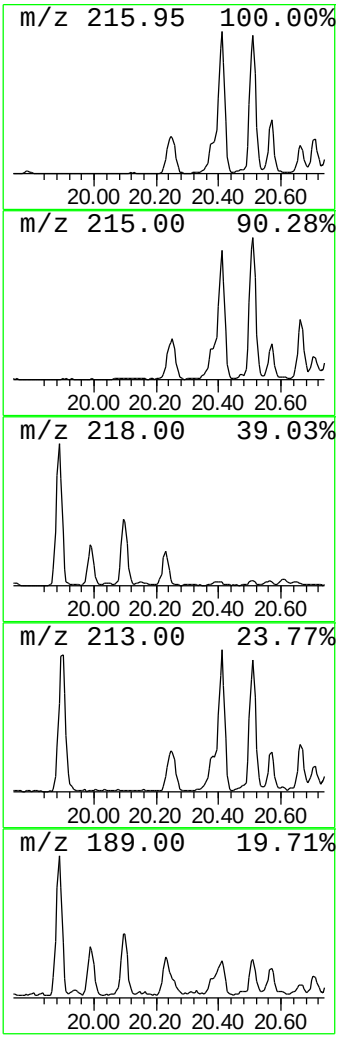
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.79 ng/ul	407183	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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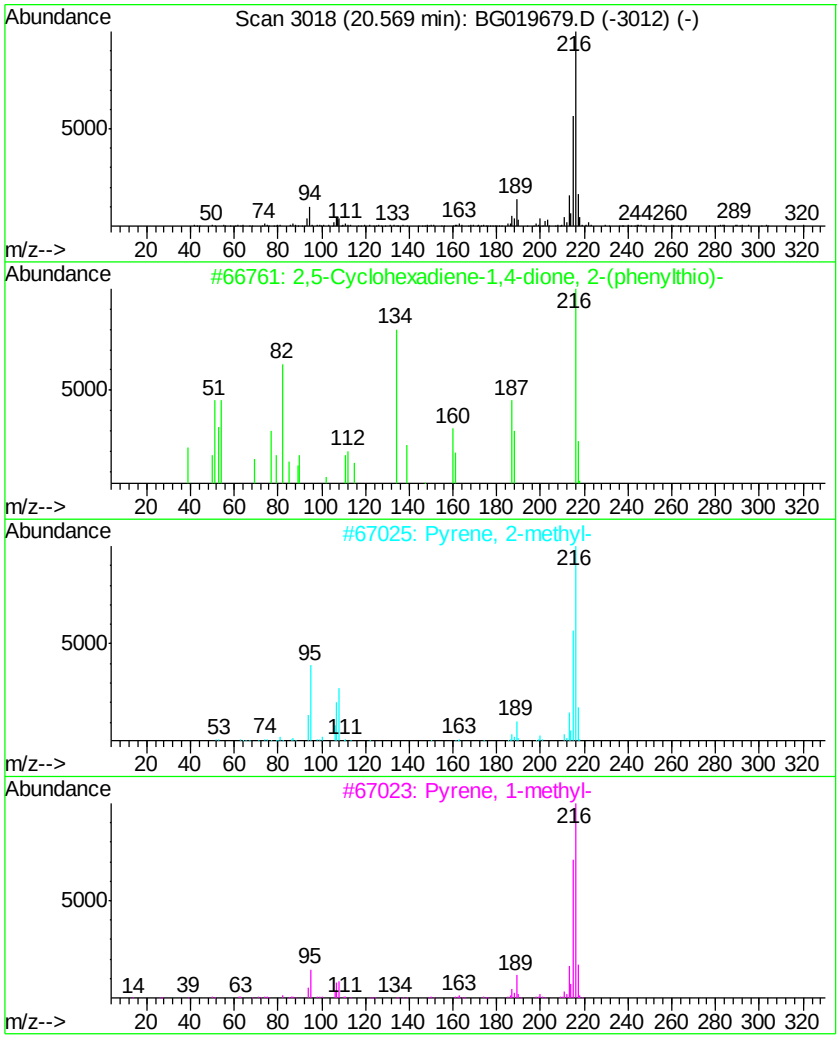
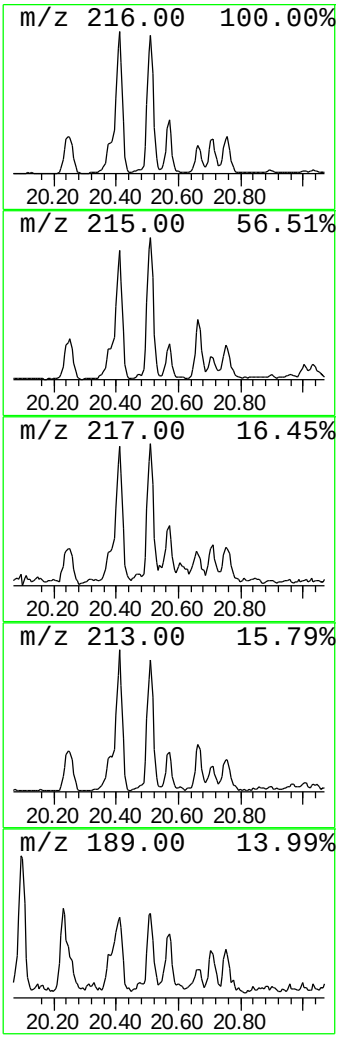
Peak Number 22 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	2.40 ng/ul	349884	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2-...	216	C12H8O2S	018232-03-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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

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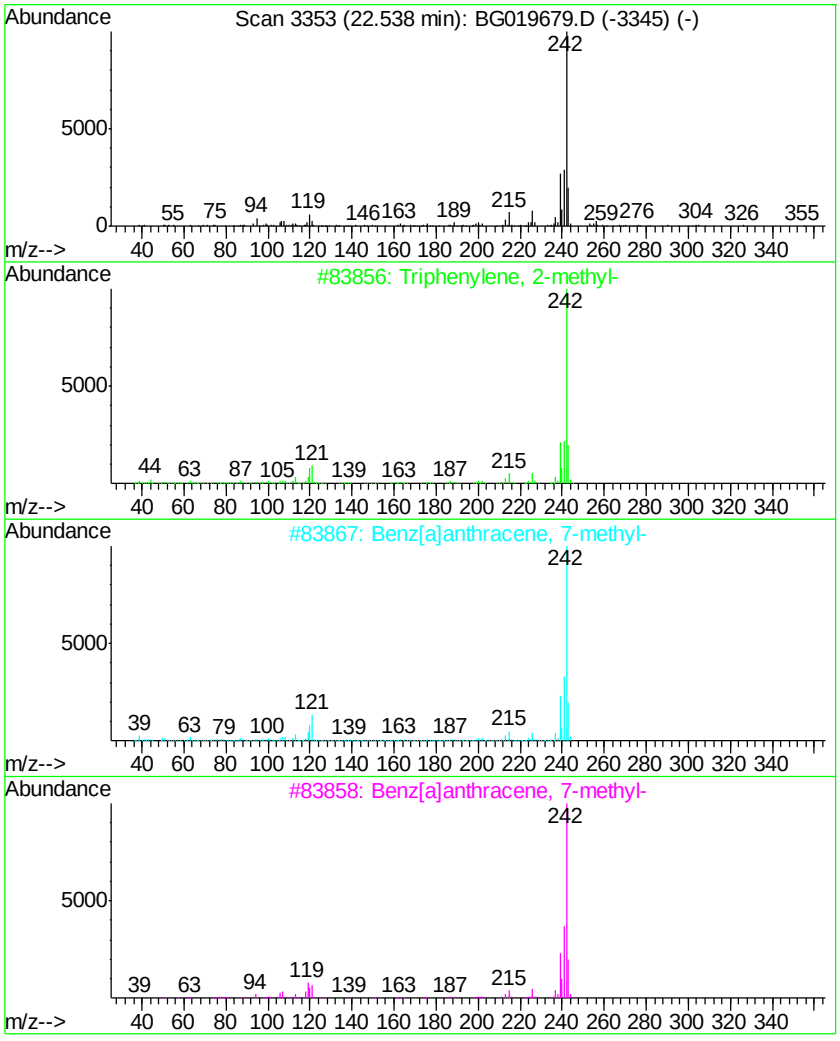
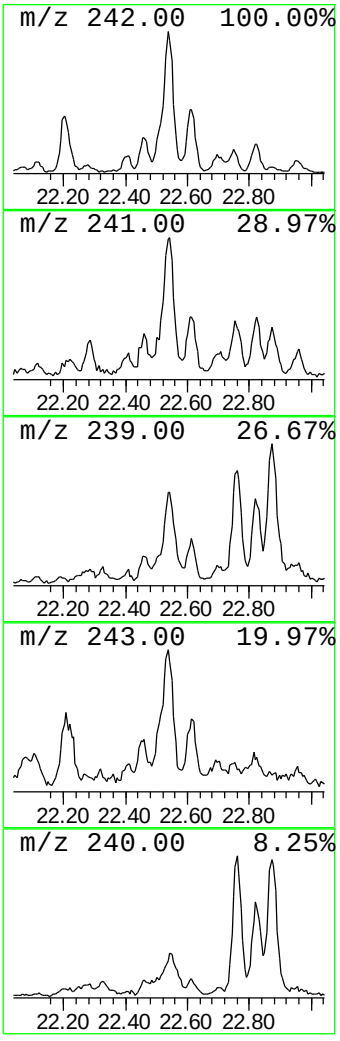
Peak Number 23 Triphenylene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	2.78 ng/ul	406526	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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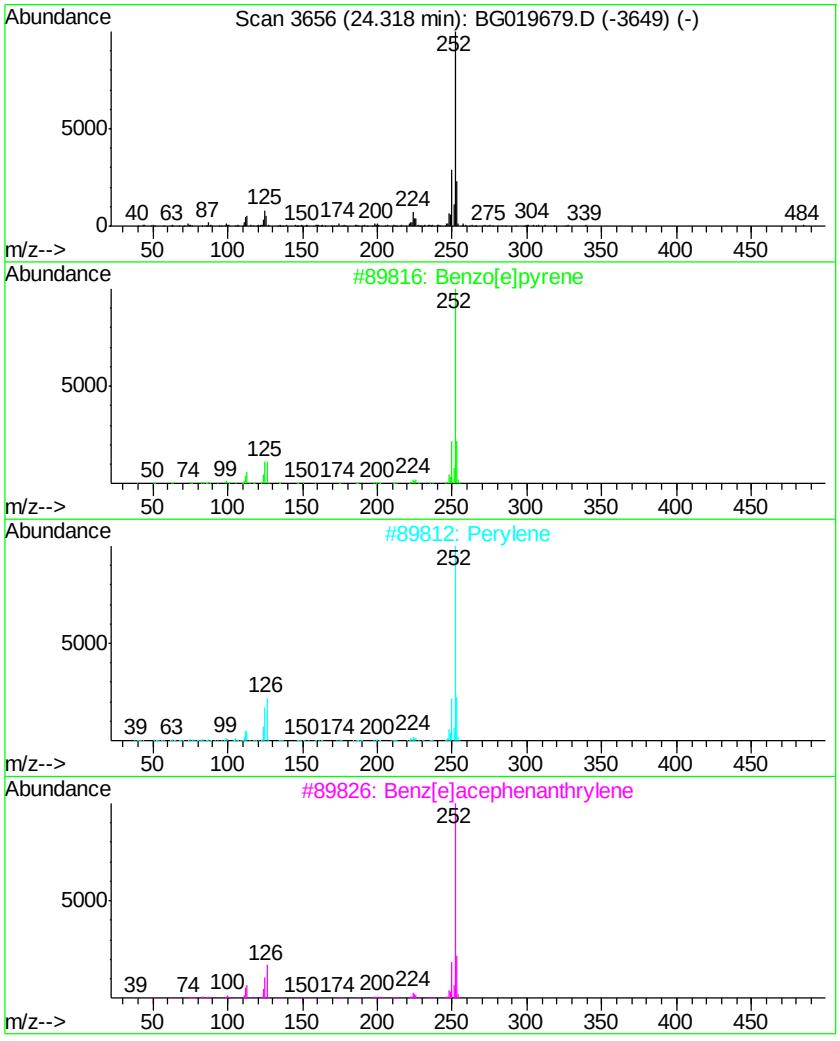
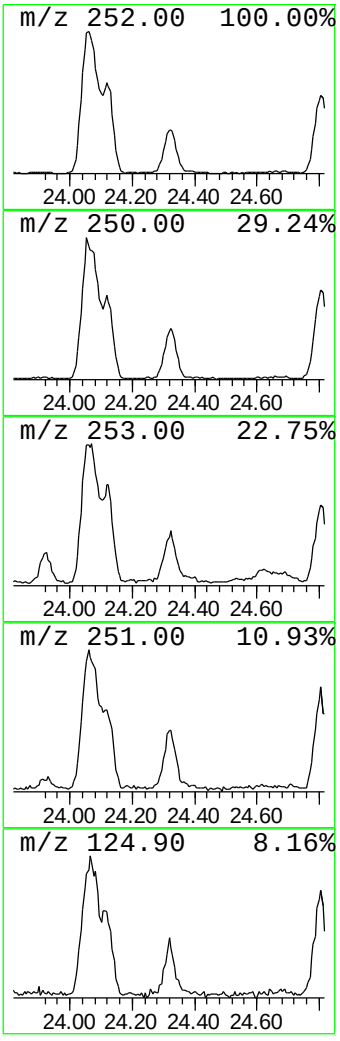
Peak Number 24 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.32	7.87 ng/ul	375342	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Perylene	252	C20H12	000198-55-0	81
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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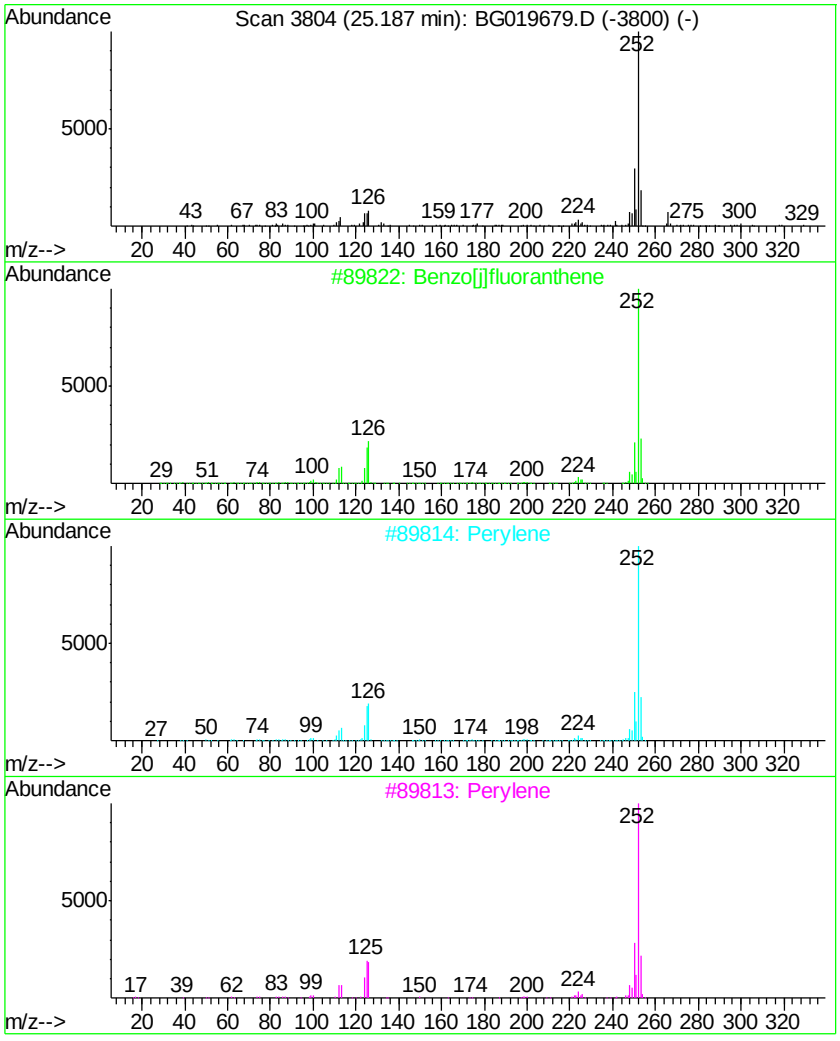
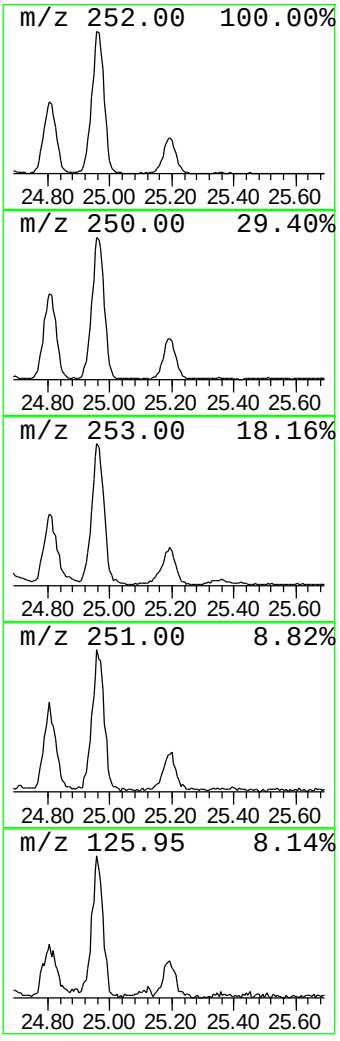
Peak Number 26 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.19	8.31 ng/ul	396306	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
2	Perylene	252	C20H12	000198-55-0	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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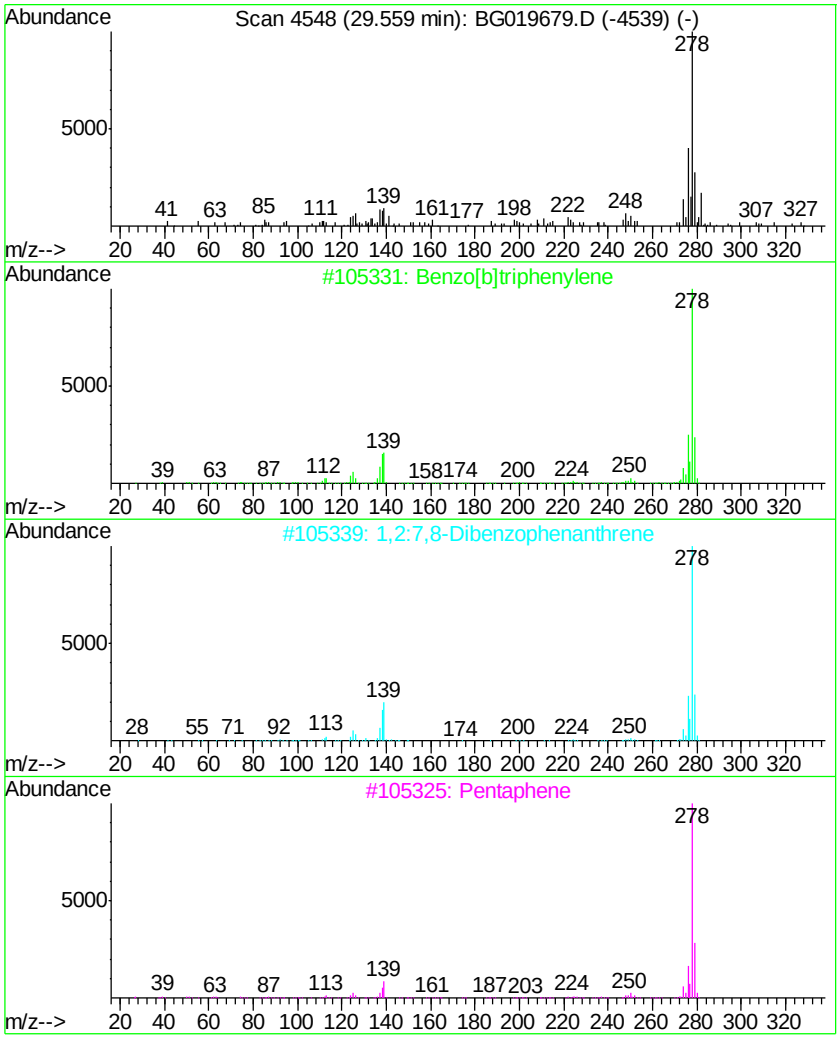
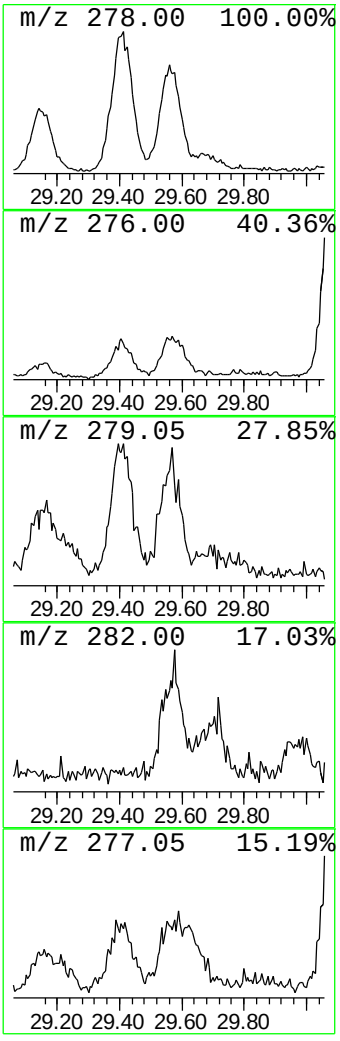
Peak Number 27 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.56	2.97 ng/ul	141455	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	60
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	60
3	Pentaphene	278	C22H14	000222-93-5	58
4	Benzo[b]chrysene	278	C22H14	000214-17-5	58
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019679.D
Acq On : 18 Nov 2015 3:23
Operator : UM/NP
Sample : G4427-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7C9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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
Butane, 2-methoxy...	3.17	270.1	ng/ul	2074730	1	8.15	153629	20.0
Dibenzofuran, 4-m...	16.12	3.9	ng/ul	95830	3	14.78	496364	20.0
9H-Fluorene, 1-me...	16.83	3.8	ng/ul	135290	4	17.52	704381	20.0
2,2-Dimethyl-1-ac...	17.05	3.3	ng/ul	114529	4	17.52	704381	20.0
8-Dimethylaminona...	17.24	3.5	ng/ul	121942	4	17.52	704381	20.0
Dibenzothiophene	17.34	3.6	ng/ul	128247	4	17.52	704381	20.0
9H-Fluorene, 9,9-...	17.71	2.1	ng/ul	72584	4	17.52	704381	20.0
1,1'-Biphenyl, 3,...	17.95	2.3	ng/ul	81362	4	17.52	704381	20.0
1H-Cyclopropa[l]p...	18.40	7.5	ng/ul	263765	4	17.52	704381	20.0
Phenanthrene, 1-m...	18.44	7.8	ng/ul	274526	4	17.52	704381	20.0
4H-Cyclopenta[def...	18.59	16.4	ng/ul	578082	4	17.52	704381	20.0
2-Phenylnaphthalene	18.88	7.3	ng/ul	257911	4	17.52	704381	20.0
Anthracene, 1,4-d...	19.29	6.5	ng/ul	228496	4	17.52	704381	20.0
unknown-01	19.36	2.1	ng/ul	75709	4	17.52	704381	20.0
Pyrene, 1-methyl-	20.24	2.8	ng/ul	407183	5	21.80	2921030	20.0
2,5-Cyclohexadien...	20.57	2.4	ng/ul	349884	5	21.80	2921030	20.0
Triphenylene, 2-m...	22.54	2.8	ng/ul	406526	5	21.80	2921030	20.0
Benzo[e]pyrene	24.32	7.9	ng/ul	375342	6	25.12	953863	20.0
Benzo[j]fluoranthene	25.19	8.3	ng/ul	396306	6	25.12	953863	20.0
Benzo[b]triphenylene	29.56	3.0	ng/ul	141455	6	25.12	953863	20.0