LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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-BG011216.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	3.055	32	37	41	rBV	56240	107831	8.04%	0.521%
2	3.131	46	50	56	rVV	118238	181365	13.52%	0.877%
3	7.203	737	743	752	rBV	35440	63356	4.72%	0.306%
4	7.361	763	770	779	rBV	28749	48874	3.64%	0.236%
5	7.573	798	806	814	rBV	39640	66689	4.97%	0.322%
6	8.043	879	886	895	rBV	57325	98335	7.33%	0.475%
7	8.754	1001	1007	1017	rBV	42919	74745	5.57%	0.361%
8	9.212	1079	1085	1097	rVB	36323	65994	4.92%	0.319%
9	9.941	1203	1209	1217	rVB2	31737	59153	4.41%	0.286%
10	10.487	1295	1302	1311	rBV	51420	91835	6.84%	0.444%
11	10.857	1359	1365	1371	rBV	83538	152098	11.34%	0.735%
12	10.998	1382	1389	1401	rBV	20897	41822	3.12%	0.202%
13	14.083	1905	1914	1918	rVV	106314	166849	12.44%	0.807%
14	14.124	1918	1921	1927	rVB	51450	75077	5.60%	0.363%
15	14.377	1958	1964	1973	rBV	120878	196018	14.61%	0.948%
16	14.682	2005	2016	2022	rBV2	158425	248668	18.53%	1.202%
17	14.900	2044	2053	2062	rBV4	20490	44588	3.32%	0.216%
18	15.675	2175	2185	2190	rBV	165125	257727	19.21%	1.246%
19	15.722	2190	2193	2202	rVB2	27207	44954	3.35%	0.217%
20	15.804	2202	2207	2212	rBV	33956	54841	4.09%	0.265%
21	16.392	2304	2307	2319	rVB5	23767	45922	3.42%	0.222%
22	16.727	2353	2364	2369	rBV5	18957	53210	3.97%	0.257%
23	17.426	2477	2483	2487	rBV2	196019	321879	23.99%	1.556%
24	17.473	2487	2491	2496	rVV	408619	579130	43.16%	2.800%
25	17.526	2496	2500	2504	rVV2	183332	279260	20.81%	1.350%
26	17.561	2504	2506	2510	rVB	58616	67087	5.00%	0.324%
27	17.832	2545	2552	2559	rBV	40666	84968	6.33%	0.411%
28	18.008	2577	2582	2589	rVB2	37722	66394	4.95%	0.321%
29	18.149	2602	2606	2614	rVB	20188	42954	3.20%	0.208%
30	18.302	2627	2632	2636	rBV	135328	206116	15.36%	0.997%
31	18.349	2636	2640	2647	rVB	170421	260021	19.38%	1.257%
32	18.431	2648	2654	2659	rBV2	33512	58570	4.37%	0.283%
33	18.495	2659	2665	2669	rBV3	161967	324296	24.17%	1.568%
34	18.531	2669	2671	2677	rVB	104049	141213	10.53%	0.683%

LSC Area Percent Report

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Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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-BG011216.M
Title : SVOA CALIBRATION

35	18.795	2712	2716	2720	rBV	87341	123234	9.19%	0.596%
36	18.848	2720	2725	2733	rVB2	131923	212869	15.87%	1.029%
37	19.042	2754	2758	2762	rVB	46014	62396	4.65%	0.302%
38	19.095	2762	2767	2770	rBV	62468	76347	5.69%	0.369%
39	19.130	2770	2773	2781	rVB2	52470	75775	5.65%	0.366%
40	19.212	2781	2787	2792	rBV	173648	283397	21.12%	1.370%
41	19.271	2792	2797	2801	rVV3	55245	118575	8.84%	0.573%
42	19.306	2801	2803	2807	rVB2	48967	50809	3.79%	0.246%
43	19.365	2807	2813	2824	rBV5	78208	199775	14.89%	0.966%
44	19.483	2825	2833	2838	rBV	829079	1215849	90.62%	5.879%
45	19.535	2838	2842	2845	rBV3	38896	52052	3.88%	0.252%
46	19.577	2845	2849	2853	rVB	46315	64836	4.83%	0.313%
47	19.676	2862	2866	2870	rBV2	34017	54151	4.04%	0.262%
48	19.723	2870	2874	2877	rBV2	32311	44013	3.28%	0.213%
49	19.817	2883	2890	2891	rBV2	350075	500827	37.33%	2.422%
50	19.847	2891	2895	2902	rVV	885614	1341679	100.00%	6.487%
51	19.911	2902	2906	2913	rVB2	99865	152844	11.39%	0.739%
52	20.023	2913	2925	2930	rBV2	53282	135135	10.07%	0.653%
53	20.082	2930	2935	2941	rVB3	53964	106393	7.93%	0.514%
54	20.170	2942	2950	2956	rBV4	110917	303649	22.63%	1.468%
55	20.240	2956	2962	2967	rBV5	17233	48799	3.64%	0.236%
56	20.329	2967	2977	2986	rVB	186664	486660	36.27%	2.353%
57	20.434	2987	2995	2999	rBV	130753	222422	16.58%	1.075%
58	20.493	2999	3005	3009	rVV2	166672	270267	20.14%	1.307%
59	20.628	3024	3028	3032	rBV	138361	194647	14.51%	0.941%
60	20.675	3032	3036	3040	rVV	104530	133304	9.94%	0.645%
61	20.887	3067	3072	3075	rBV2	62008	93870	7.00%	0.454%
62	20.922	3075	3078	3081	rVV4	29575	45688	3.41%	0.221%
63	21.051	3096	3100	3103	rBV4	31253	53843	4.01%	0.260%
64	21.098	3104	3108	3115	rVB	113352	175563	13.09%	0.849%
65	21.192	3121	3124	3129	rVB	39032	56723	4.23%	0.274%
66	21.280	3130	3139	3143	rVV3	128972	296564	22.10%	1.434%
67	21.322	3143	3146	3150	rVV	125622	182588	13.61%	0.883%
68	21.374	3150	3155	3159	rVV2	84243	153314	11.43%	0.741%
69	21.439	3162	3166	3174	rVB	89897	157795	11.76%	0.763%
70	21.562	3184	3187	3194	rVB2	32496	52381	3.90%	0.253%
71	21.692	3202	3209	3215	rBV3	503258	1230830	91.74%	5.951%

LSC Area Percent Report

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Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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-BG011216.M
Title : SVOA CALIBRATION

72	21.750	3215	3219	3230	rVB	451070	841700	62.73%	4.070%
73	21.850	3232	3236	3241	rVB2	36857	60234	4.49%	0.291%
74	21.903	3241	3245	3250	rBV	68105	113918	8.49%	0.551%
75	21.974	3254	3257	3267	rBV7	36204	102026	7.60%	0.493%
76	22.126	3276	3283	3287	rBV3	50619	106530	7.94%	0.515%
77	22.179	3288	3292	3298	rVB3	32656	56885	4.24%	0.275%
78	22.361	3318	3323	3327	rBV2	34043	62184	4.63%	0.301%
79	22.438	3327	3336	3343	rVV	129623	309393	23.06%	1.496%
80	22.508	3344	3348	3356	rVB2	80278	160159	11.94%	0.774%
81	22.597	3359	3363	3368	rVB3	32503	57668	4.30%	0.279%
82	22.655	3369	3373	3378	rVB2	37897	63260	4.71%	0.306%
83	22.714	3378	3383	3388	rBV	70220	140585	10.48%	0.680%
84	22.849	3401	3406	3415	rVB4	48013	113278	8.44%	0.548%
85	23.548	3519	3525	3533	rVB8	33436	87637	6.53%	0.424%
86	23.930	3581	3590	3598	rBV	268842	977928	72.89%	4.728%
87	24.183	3627	3633	3640	rVB	53544	119286	8.89%	0.577%
88	24.394	3664	3669	3681	rVB7	20163	63200	4.71%	0.306%
89	24.659	3706	3714	3721	rBV	169023	469664	35.01%	2.271%
90	24.735	3722	3727	3733	rVV	108101	289028	21.54%	1.397%
91	24.812	3733	3740	3751	rVB	275531	727611	54.23%	3.518%
92	24.964	3752	3766	3773	rBV	133152	437507	32.61%	2.115%
93	25.041	3773	3779	3793	rVB4	67339	244855	18.25%	1.184%
94	25.740	3891	3898	3907	rVB3	23547	75796	5.65%	0.366%
95	25.834	3910	3914	3923	rVB3	24929	62329	4.65%	0.301%
96	26.028	3939	3947	3960	rVB6	35470	123281	9.19%	0.596%
97	26.363	3997	4004	4011	rBV5	29434	74532	5.56%	0.360%
98	28.683	4388	4399	4420	rVB2	110919	537136	40.03%	2.597%
99	29.318	4496	4507	4518	rBV3	26477	102833	7.66%	0.497%
100	29.859	4584	4599	4613	rBV3	80235	399774	29.80%	1.933%

Sum of corrected areas: 20681919

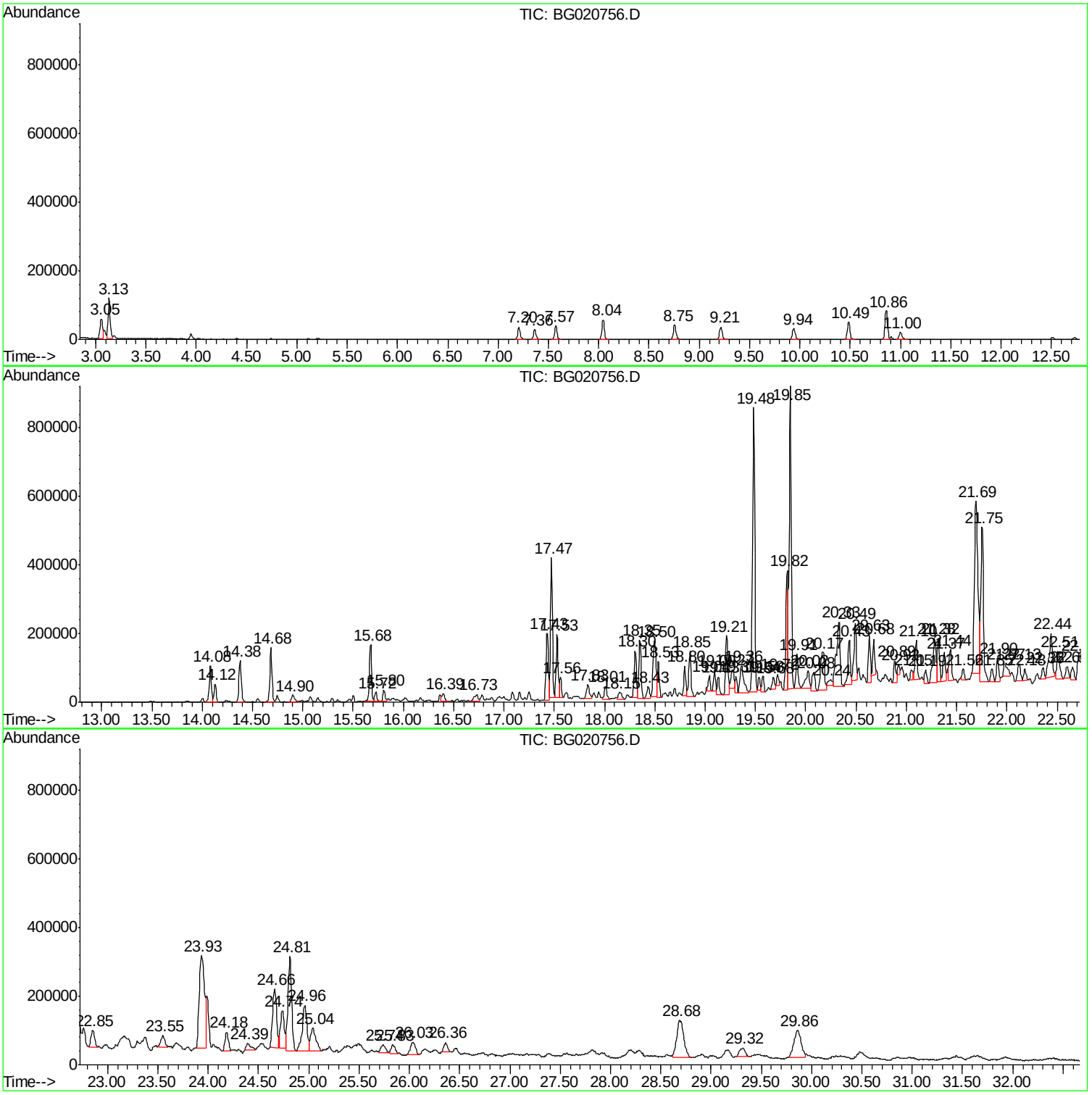
LSC Report - Integrated Chromatogram

Data Path : V:\HPCHEM1\BNA G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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



Data Path : V:\HPCHEM1\BNA G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

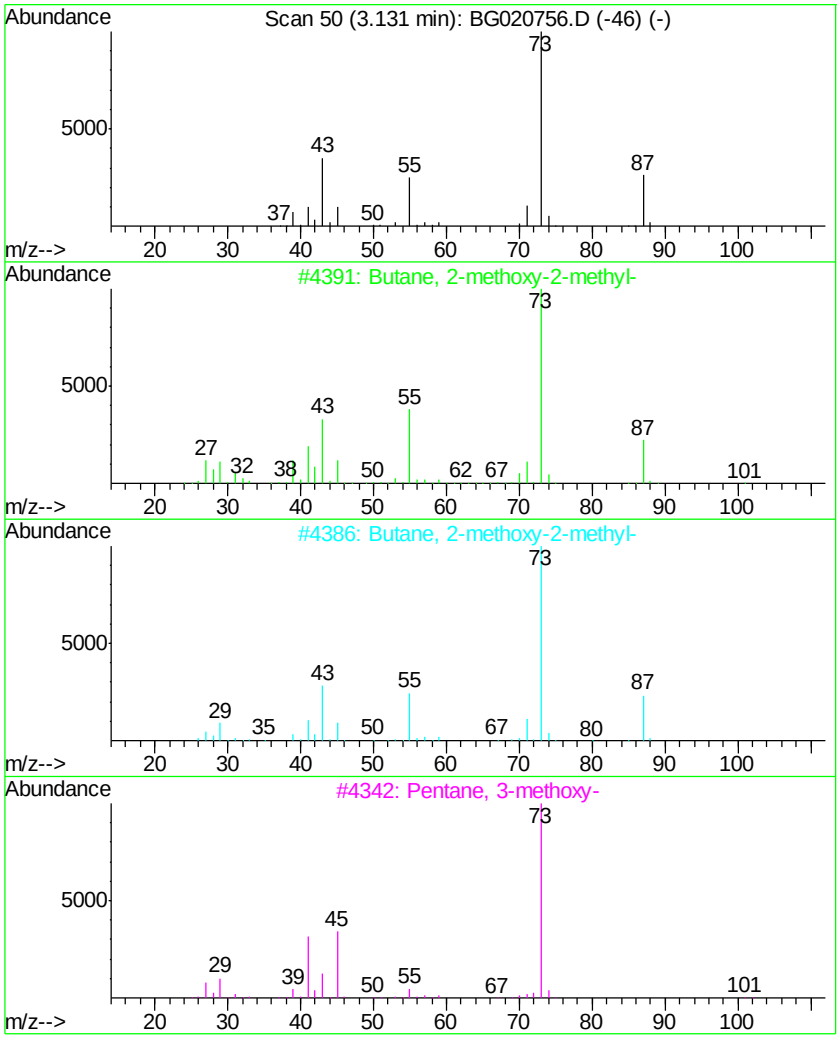
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

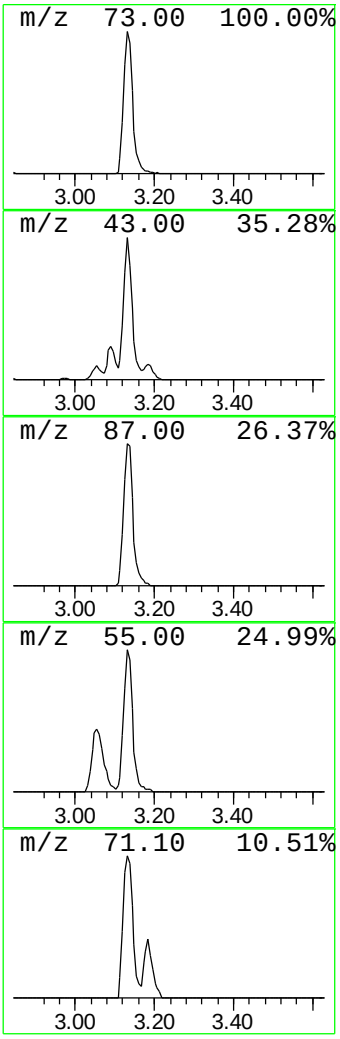
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	36.89 ng/ul	181365	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : V:\HPCHEM1\BNA G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

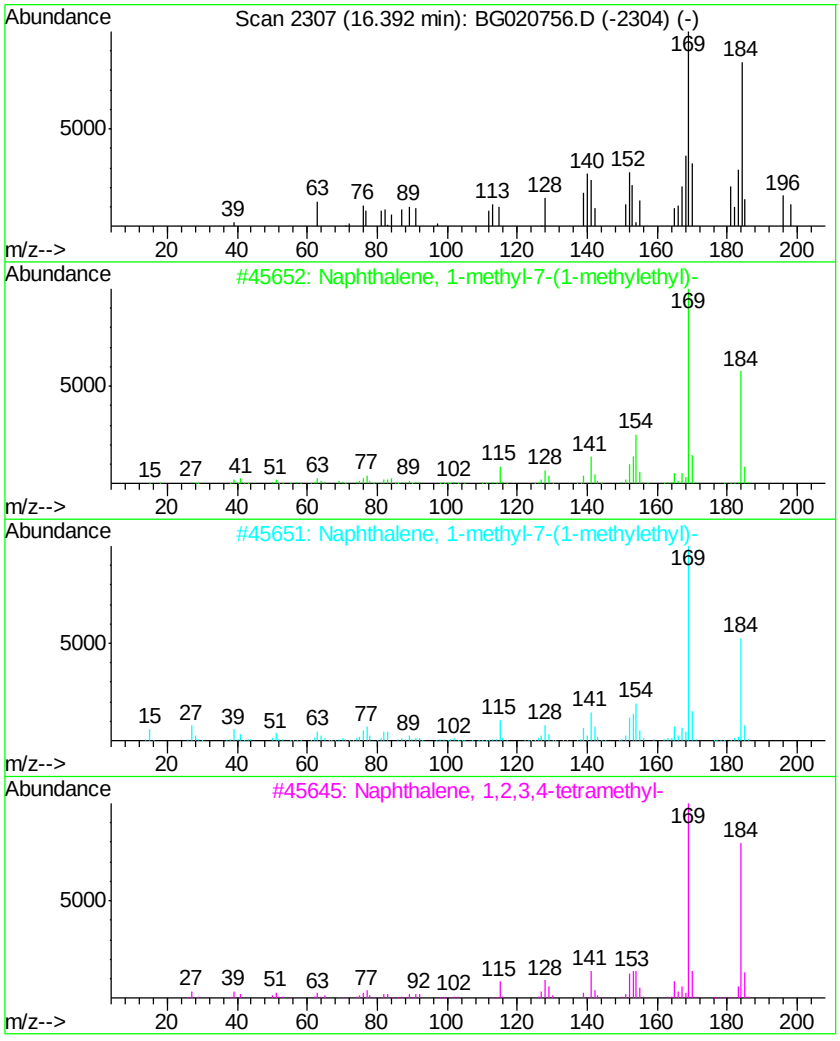
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

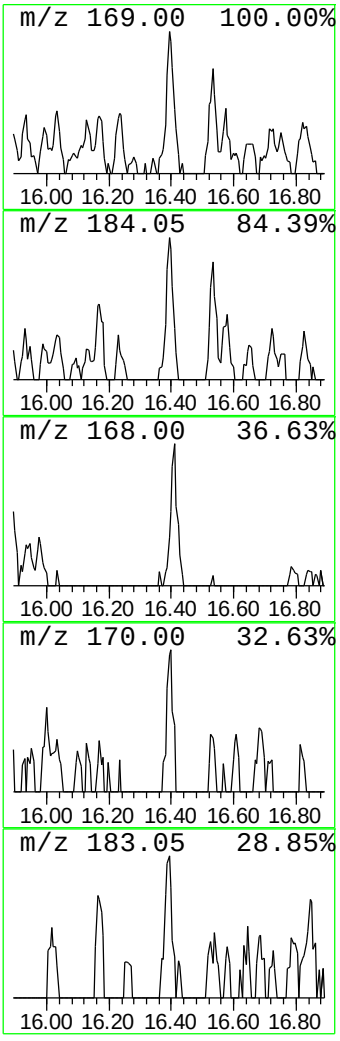
****

Peak Number 3 Naphthalene, 1-methyl-7-(1-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	2.85 ng/ul	45922	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	64
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	60
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	58
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	58
5	2,3-Dihydro-1H-1-methylcyclopent...	184	C12H12N2	026629-21-0	52





Data Path : V:\HPCHEM1\BNA G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

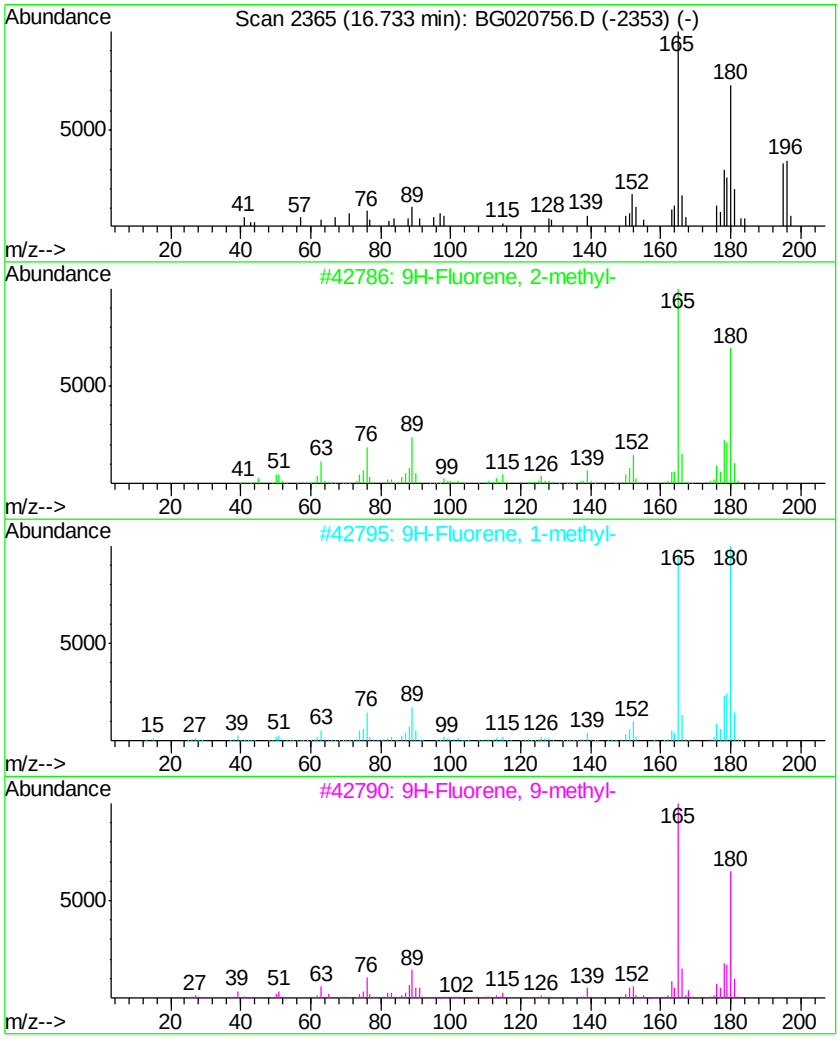
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

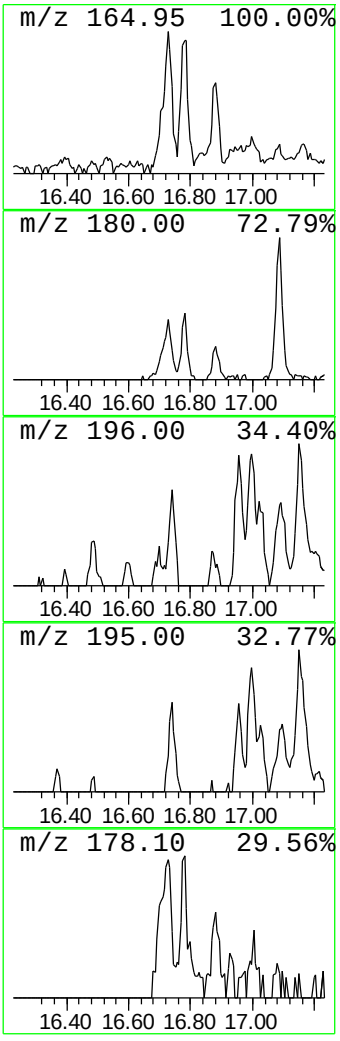
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	3.31 ng/ul	53210	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76





Data Path : V:\HPCHEM1\BNA G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

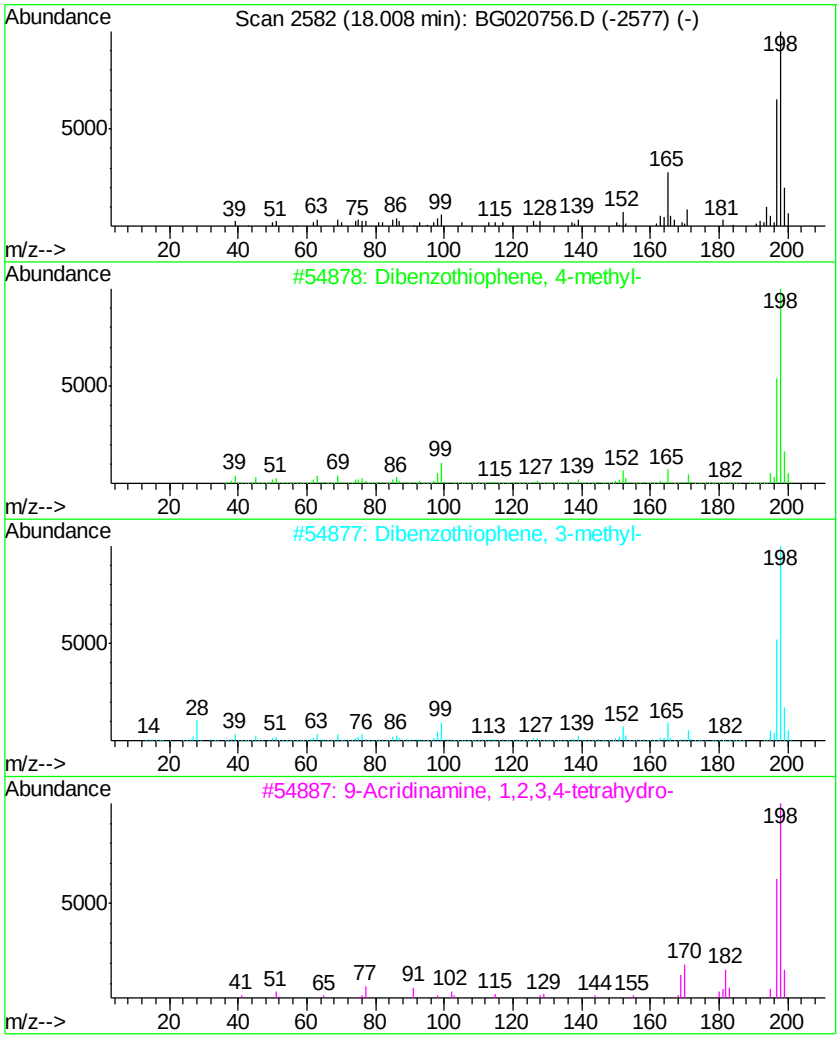
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

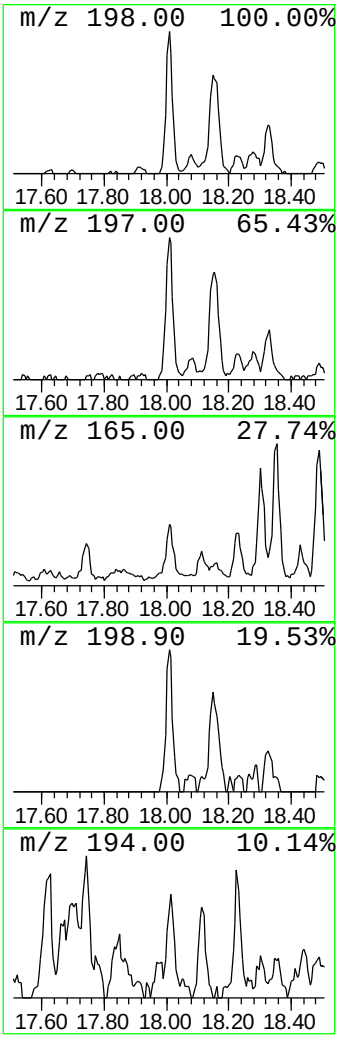
****

Peak Number 5 Dibenzothiophene, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	4.13 ng/ul	66394	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	80
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
5	Methanethione, diphenyl-	198	C13H10S	001450-31-3	59





Data Path : V:\HPCHEM1\BNA G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

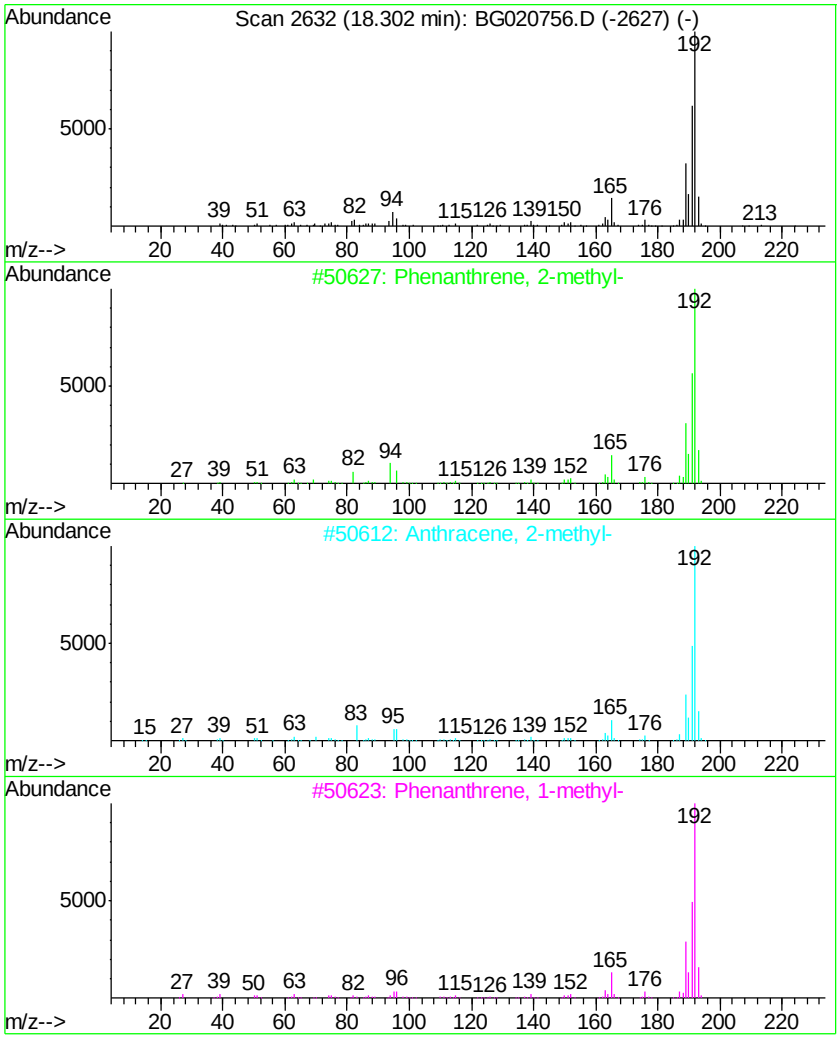
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

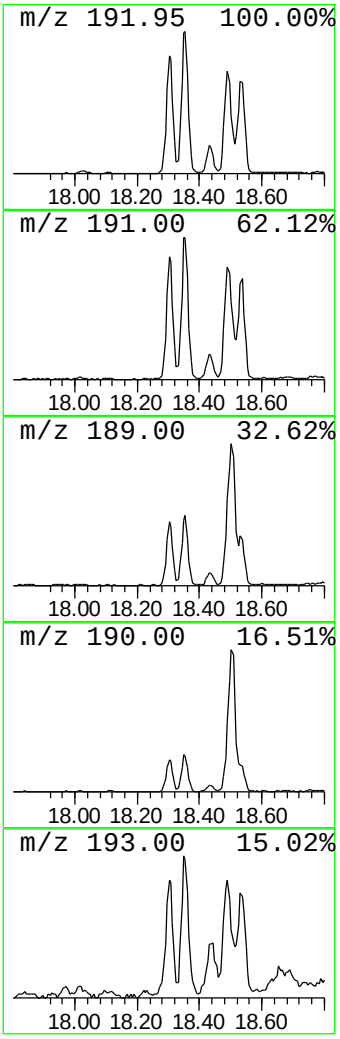
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	12.81 ng/ul	206116	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
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Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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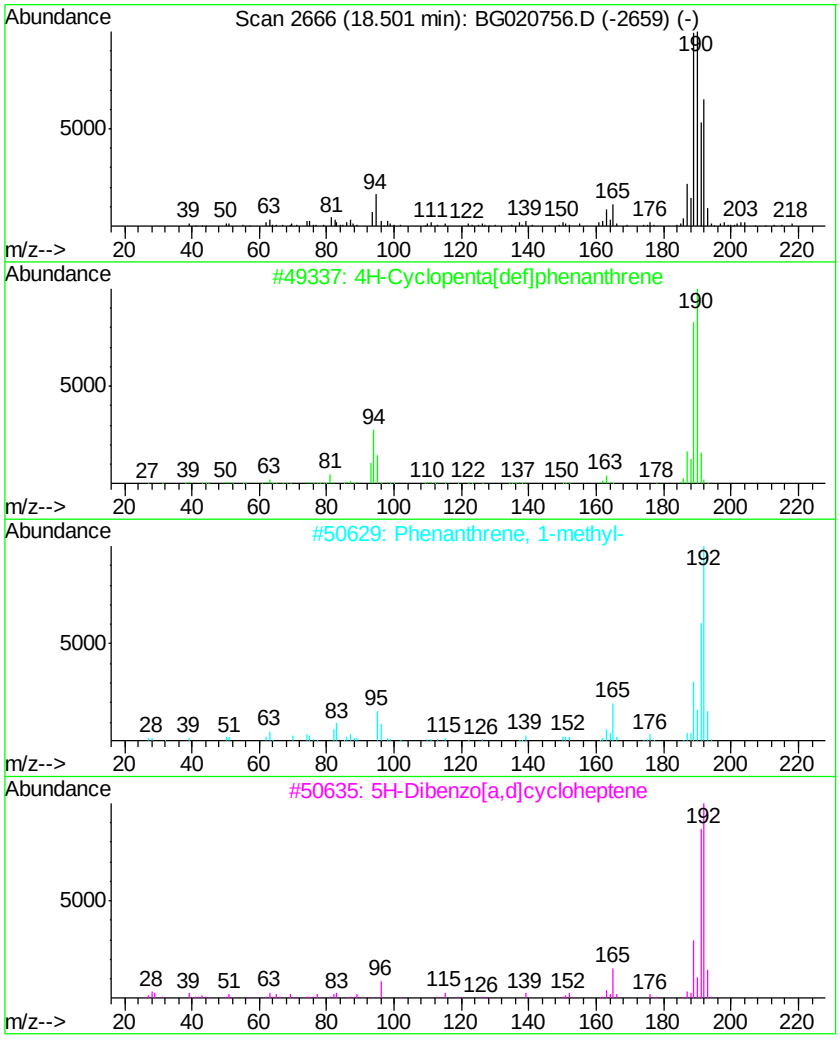
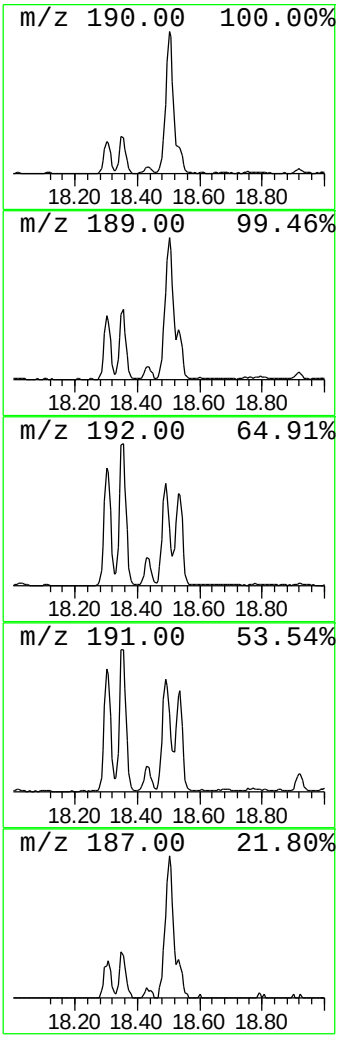
Peak Number 10 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	20.15 ng/ul	324296	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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Misc :
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Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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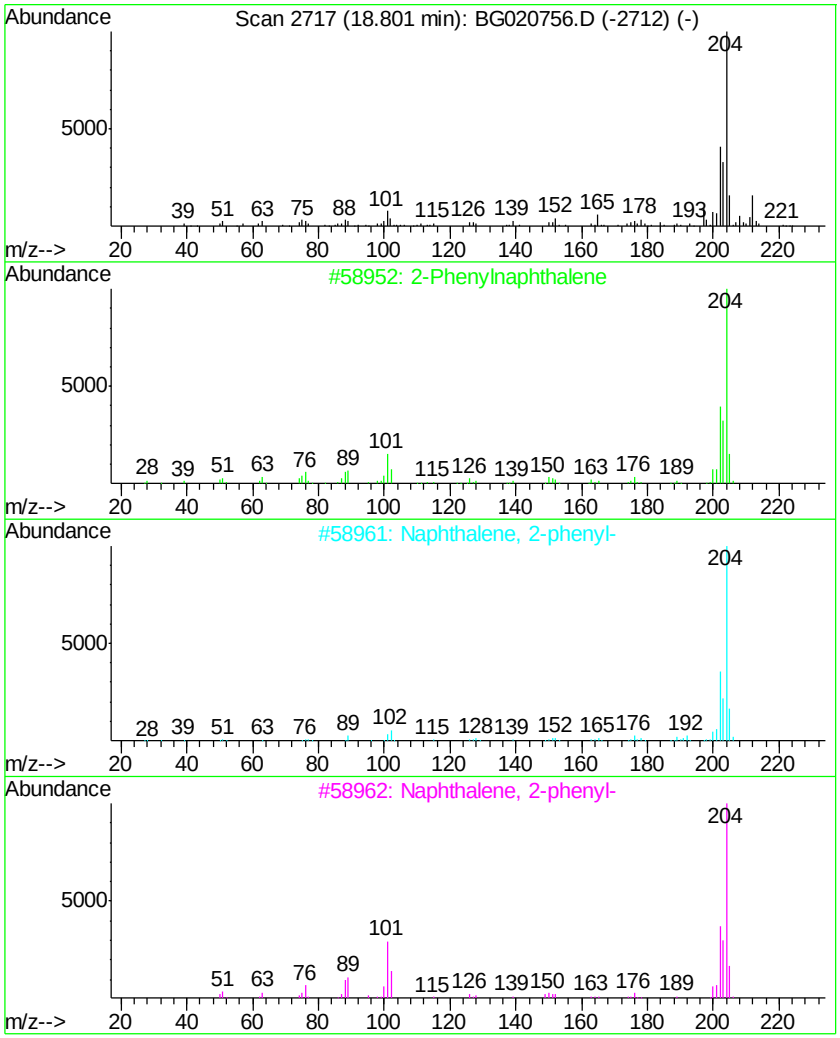
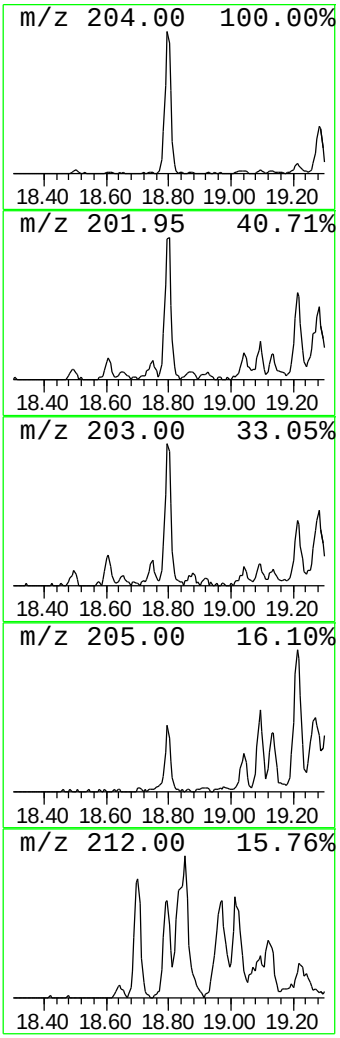
Peak Number 12 2-Phenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	7.66 ng/ul	123234	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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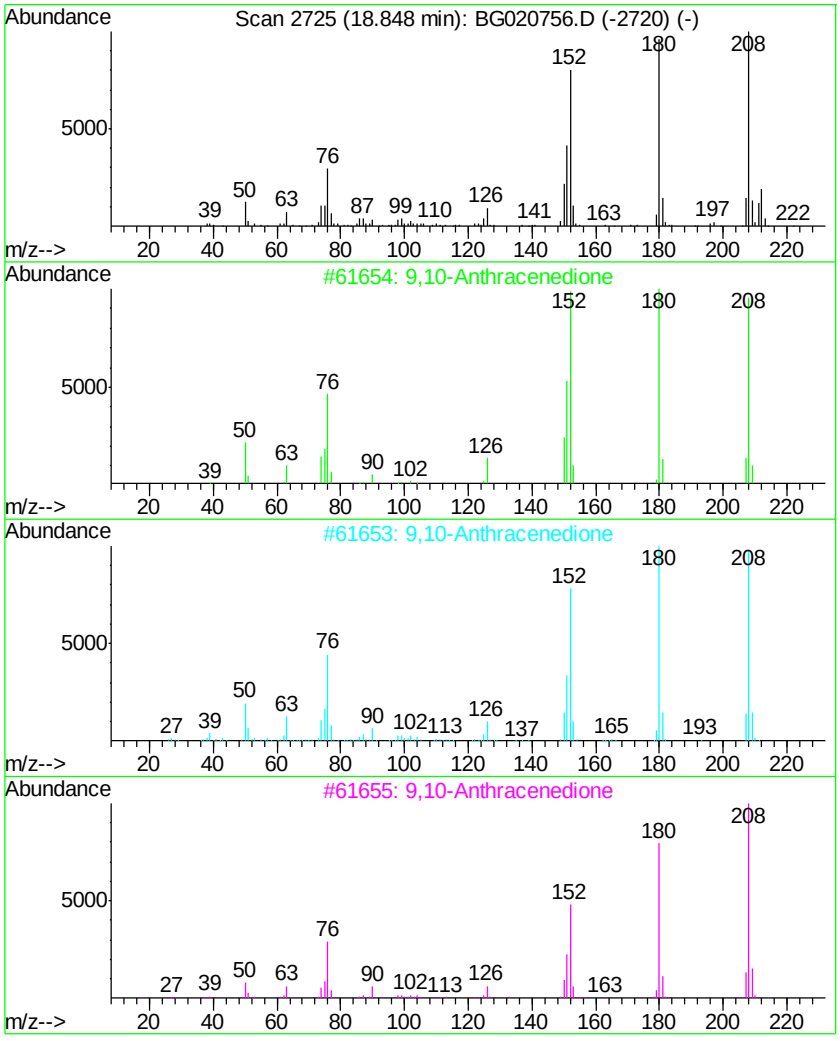
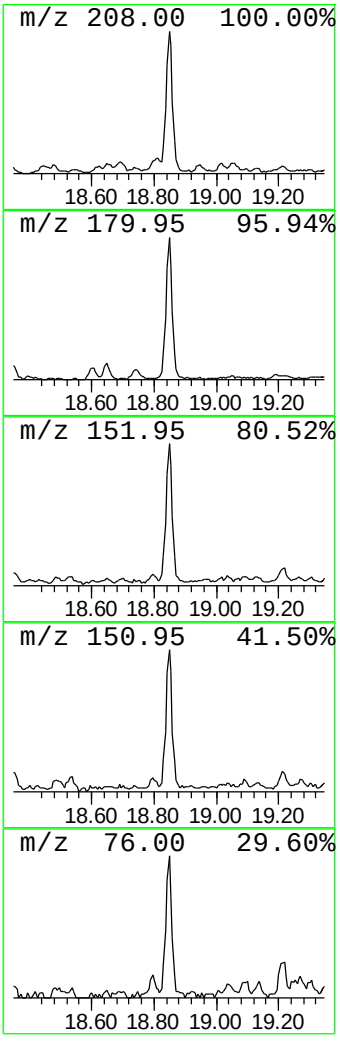
Peak Number 13 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	13.23 ng/ul	212869	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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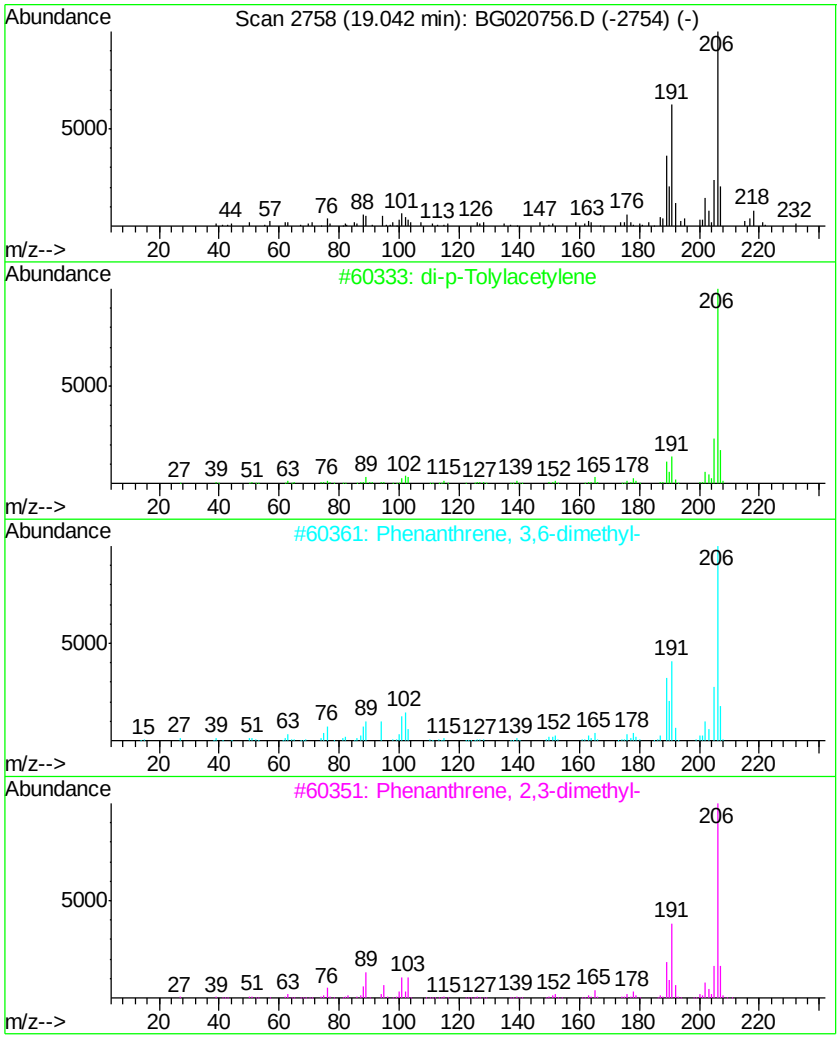
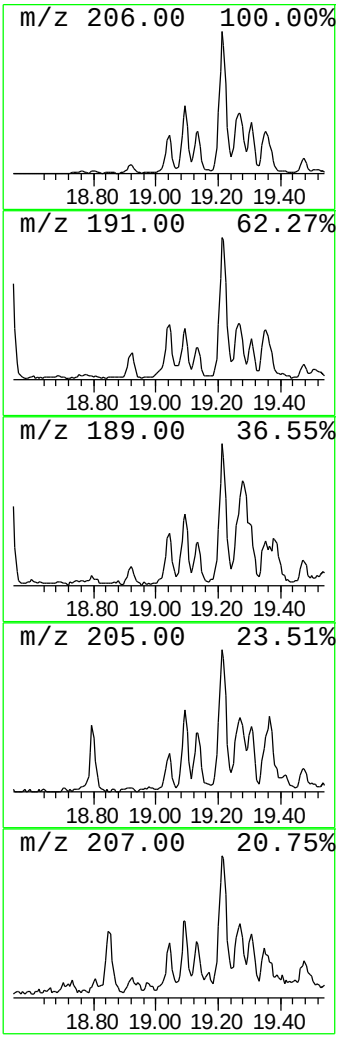
Peak Number 14 di-p-Tolylacetylene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.88 ng/ul	62396	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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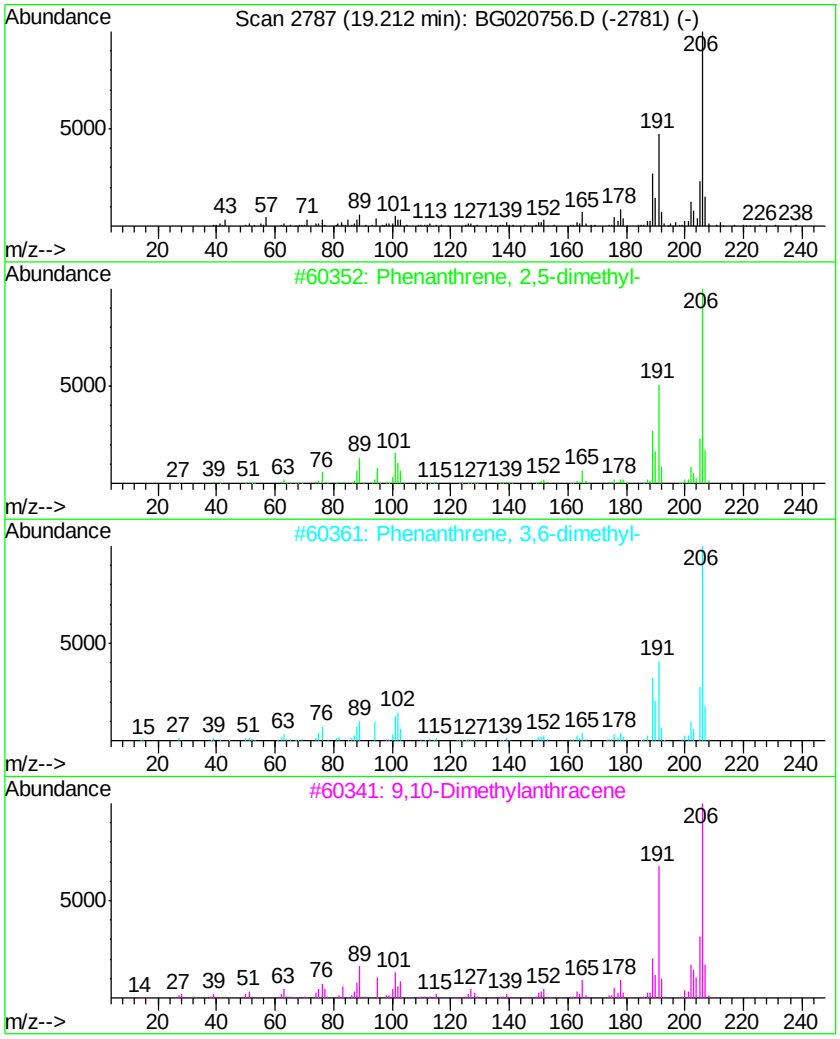
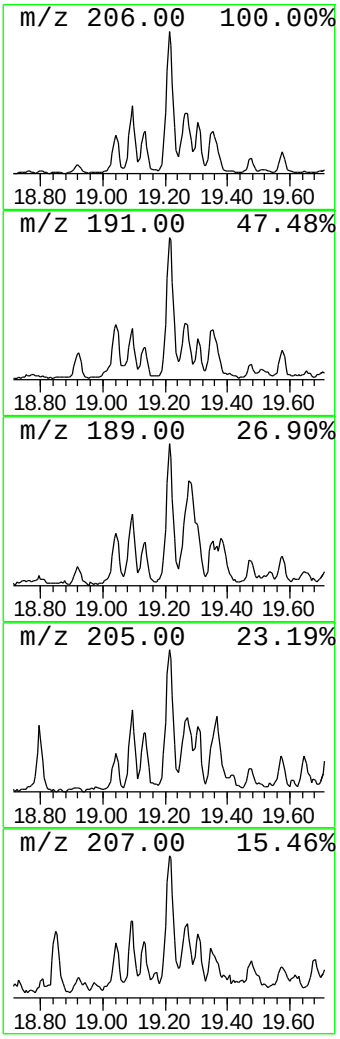
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	17.61 ng/ul	283397	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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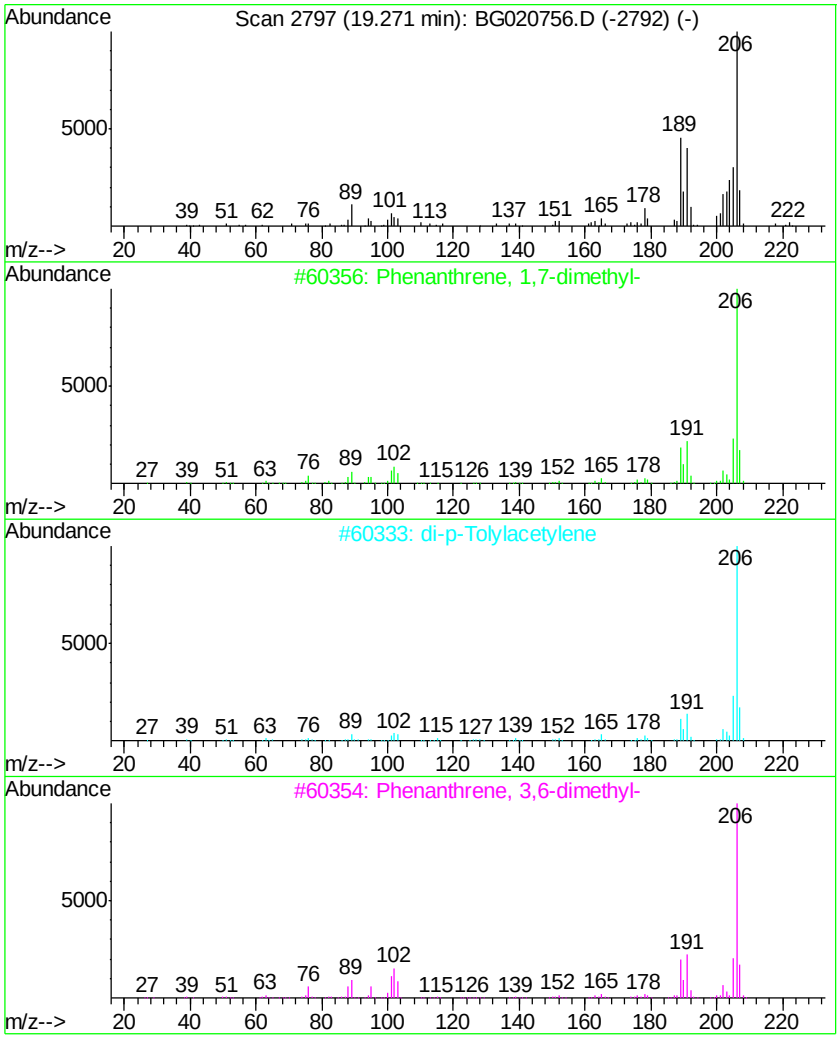
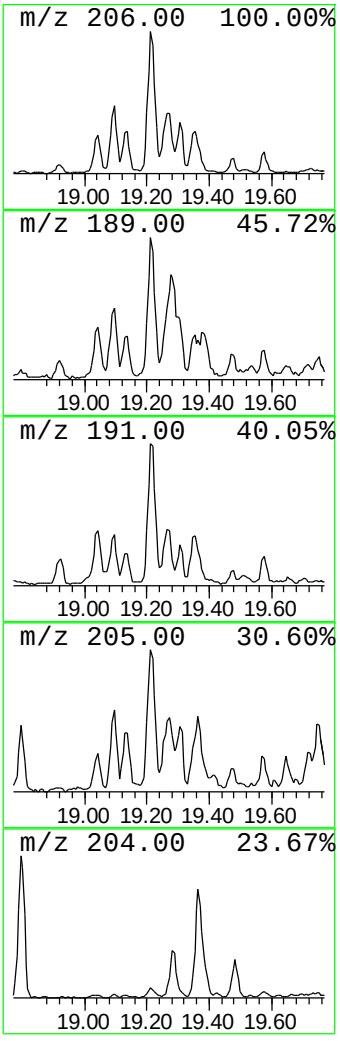
Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	7.37 ng/ul	118575	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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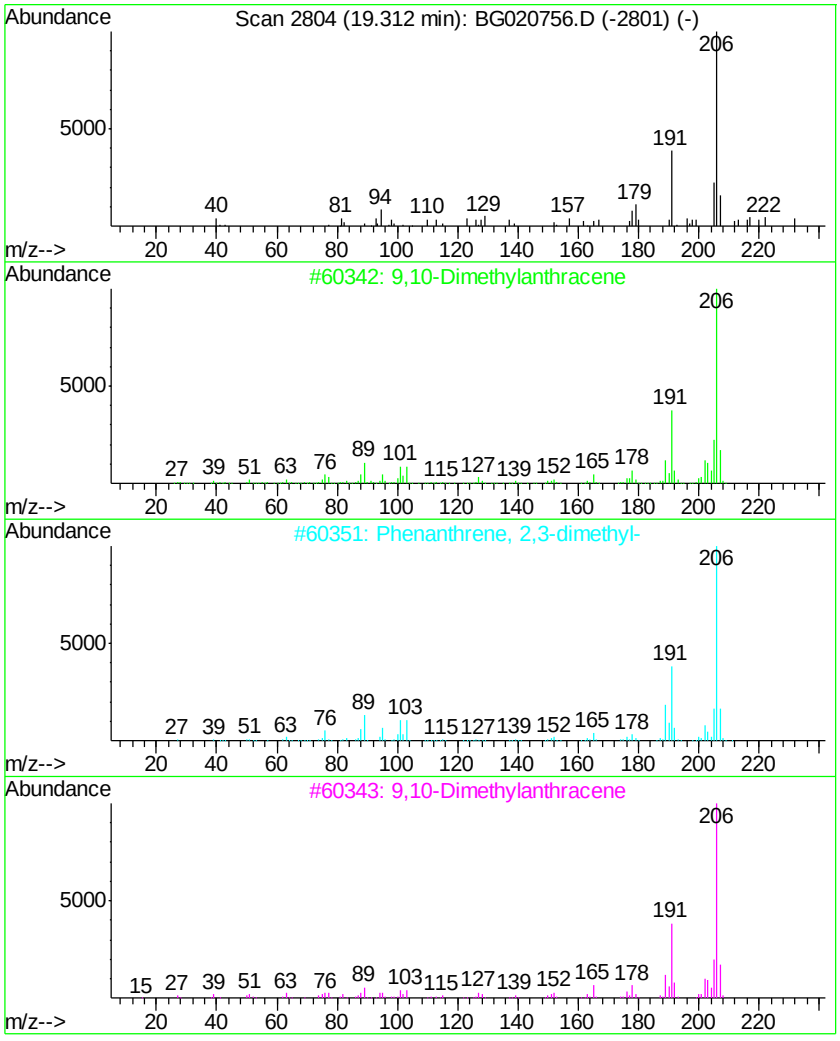
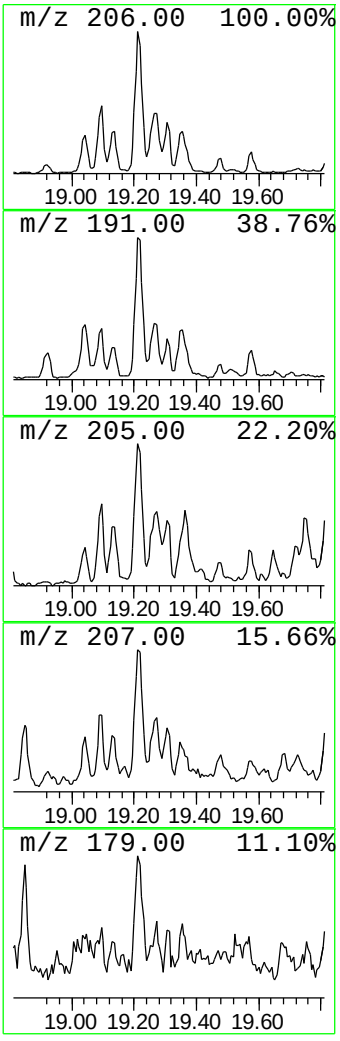
Peak Number 19 9,10-Dimethylanthracene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	3.16 ng/ul	50809	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	59





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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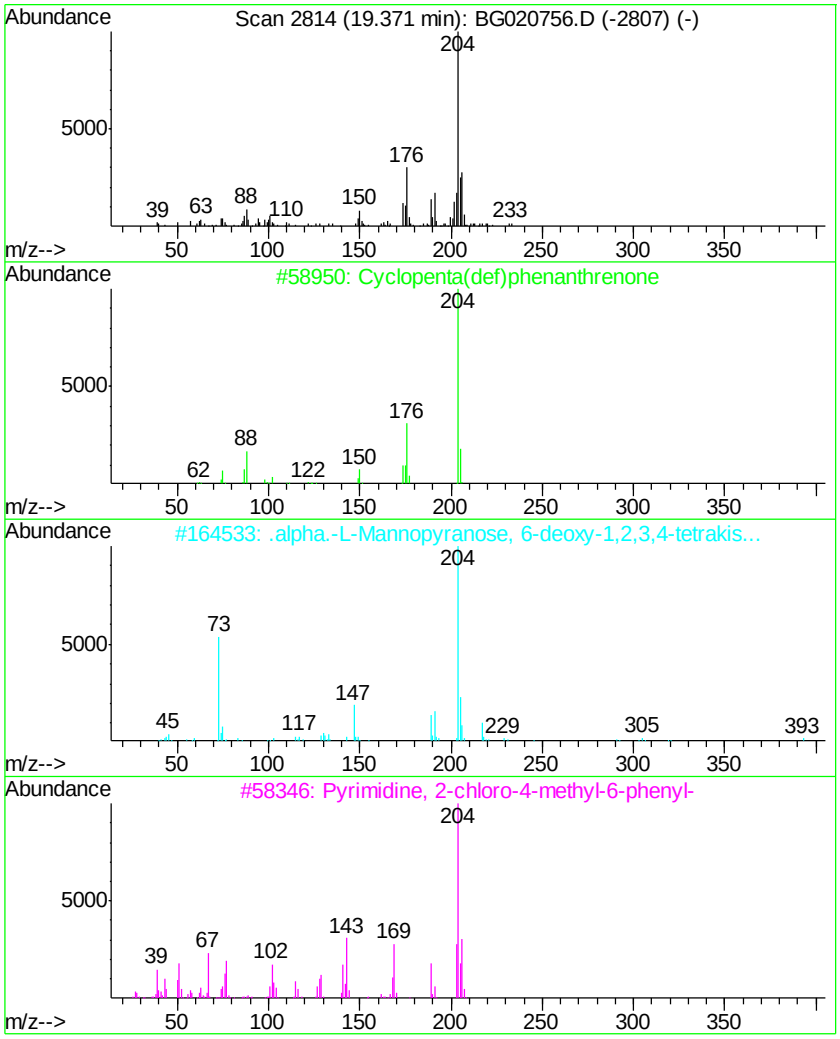
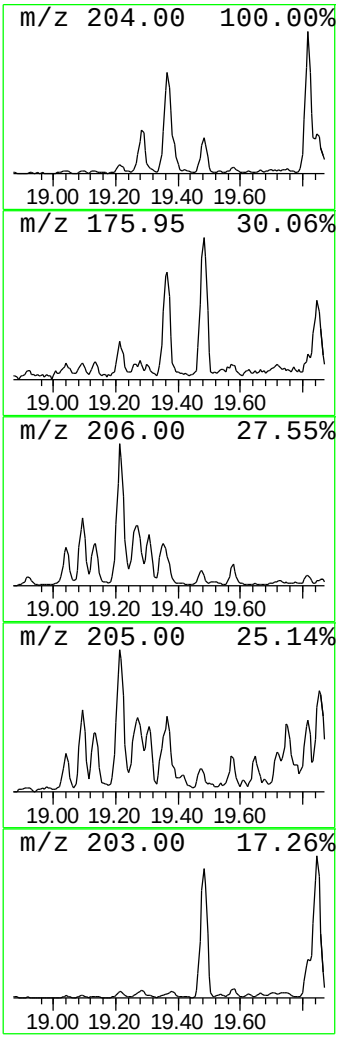
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	12.41 ng/ul	199775	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	53
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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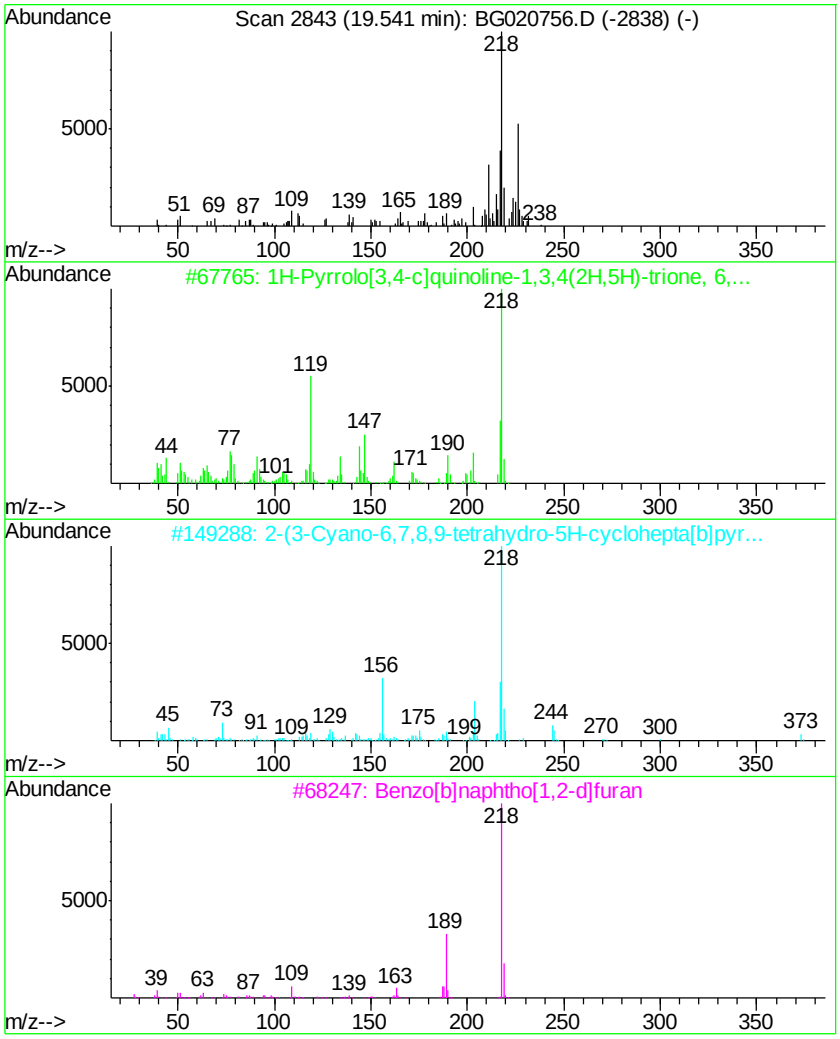
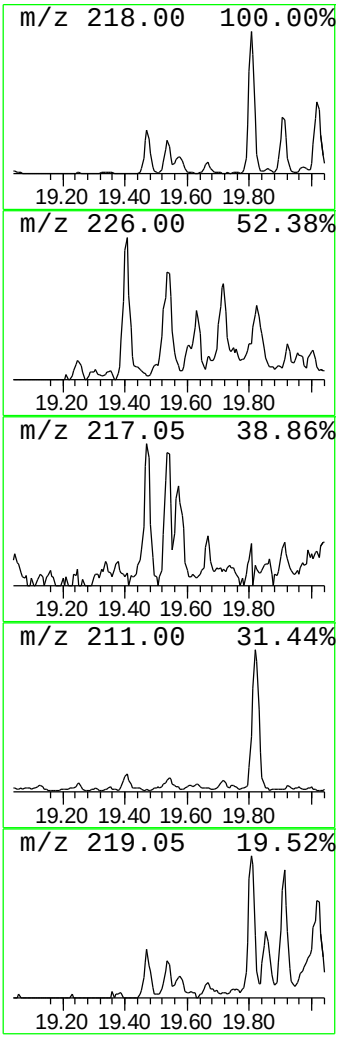
Peak Number 21 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	3.23 ng/ul	52052	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	37
2	2-(3-Cyano-6,7,8,9-tetrahydro-5H...	373	C17H19N5OS2	1000294-83-0	37
3	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	27
4	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	25
5	Disulfide, diphenyl	218	C12H10S2	000882-33-7	25





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Quant Title : SVOA CALIBRATION

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

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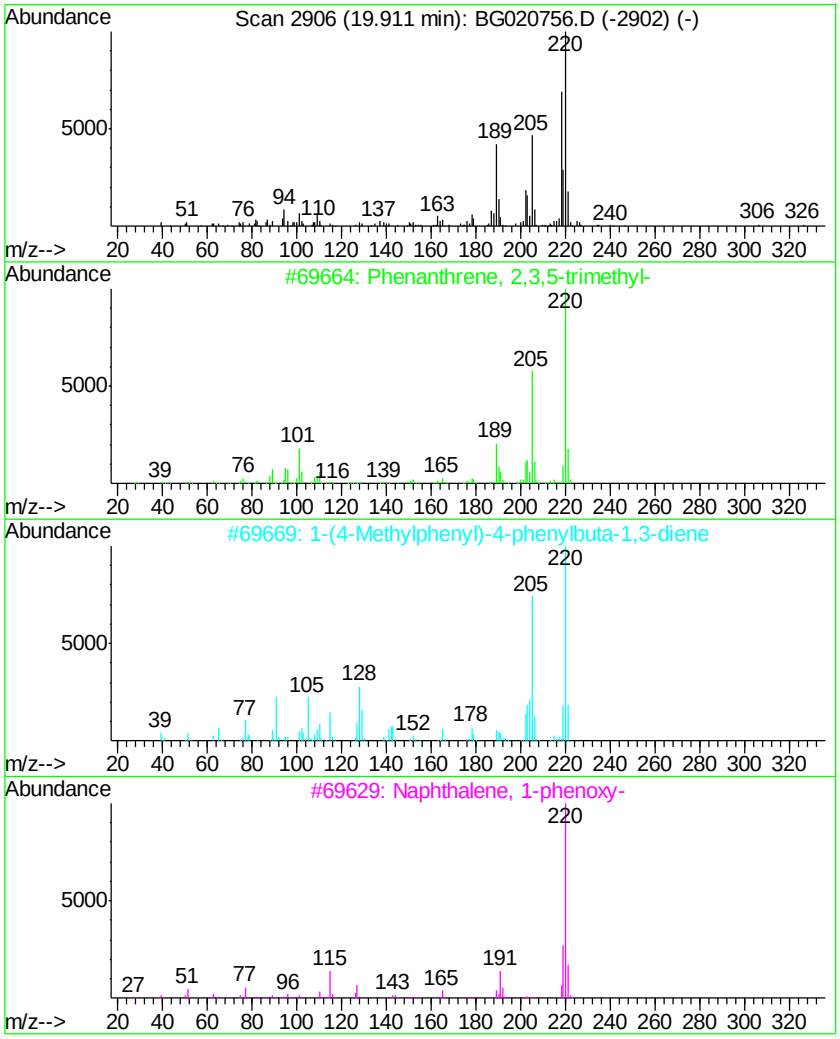
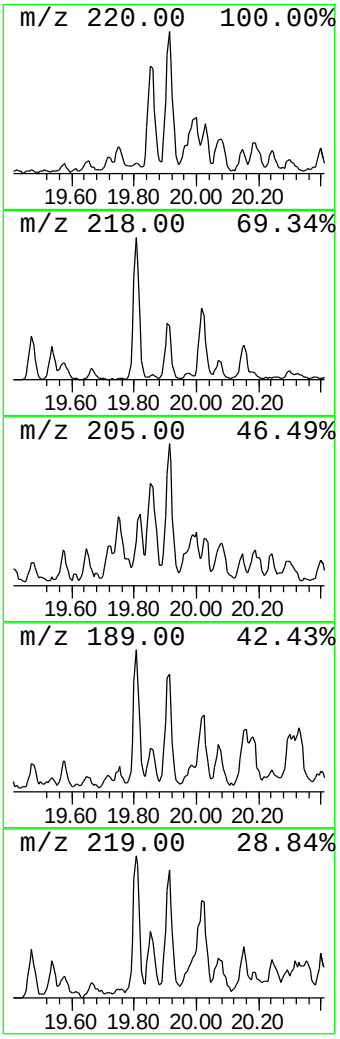
Peak Number 22 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.48 ng/ul	152844	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	64
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	47
3	Naphthalene, 1-phenoxy-	220	C16H12O	003402-76-4	38
4	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	38
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	30





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Quant Title : SVOA CALIBRATION

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

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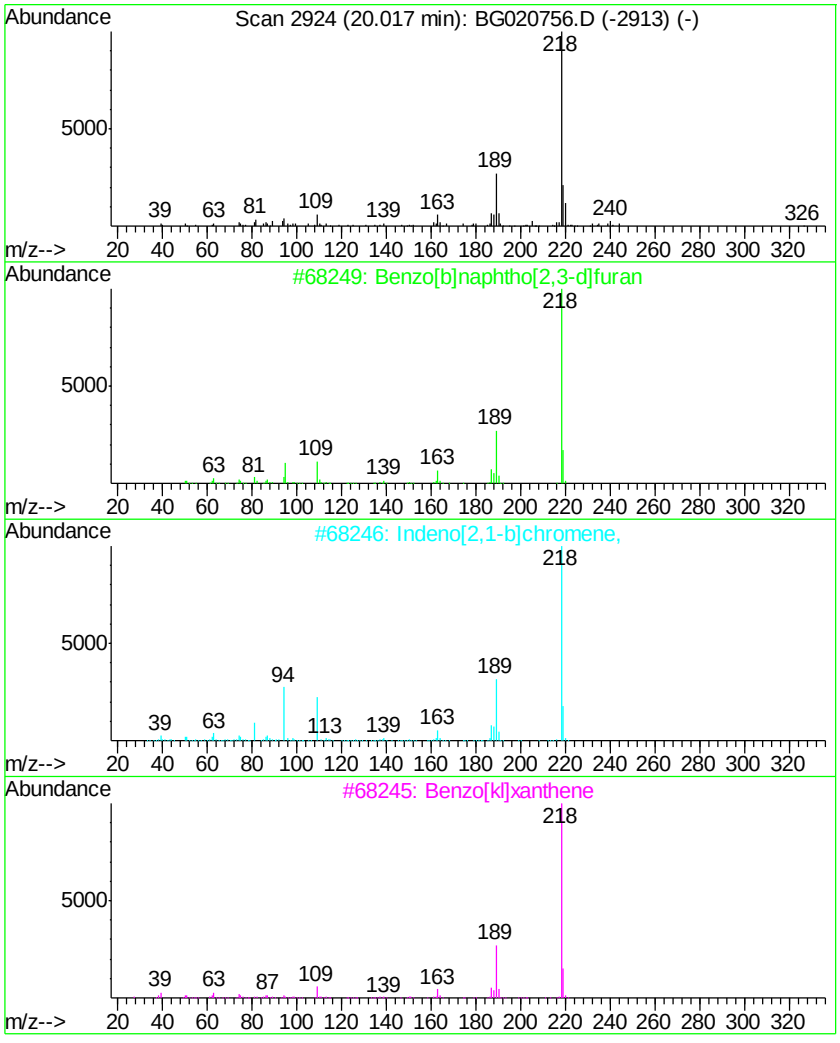
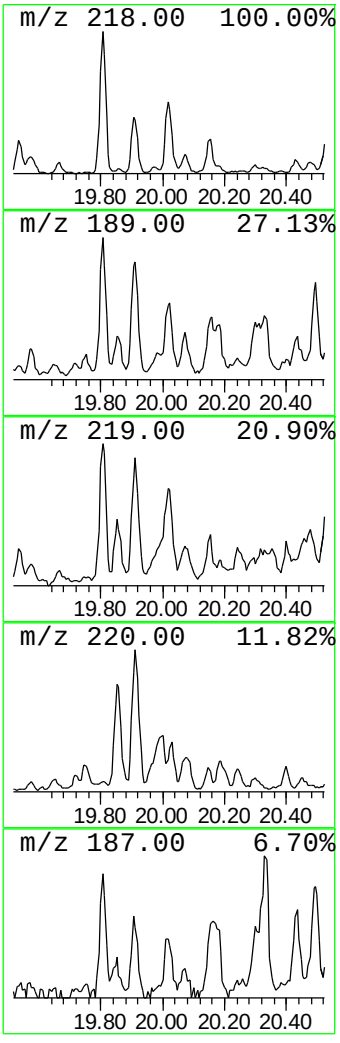
Peak Number 23 Benzo[b]naphtho[2,3-d]furan Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.20 ng/ul	135135	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	76
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	70
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	70
4	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	68
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	68





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ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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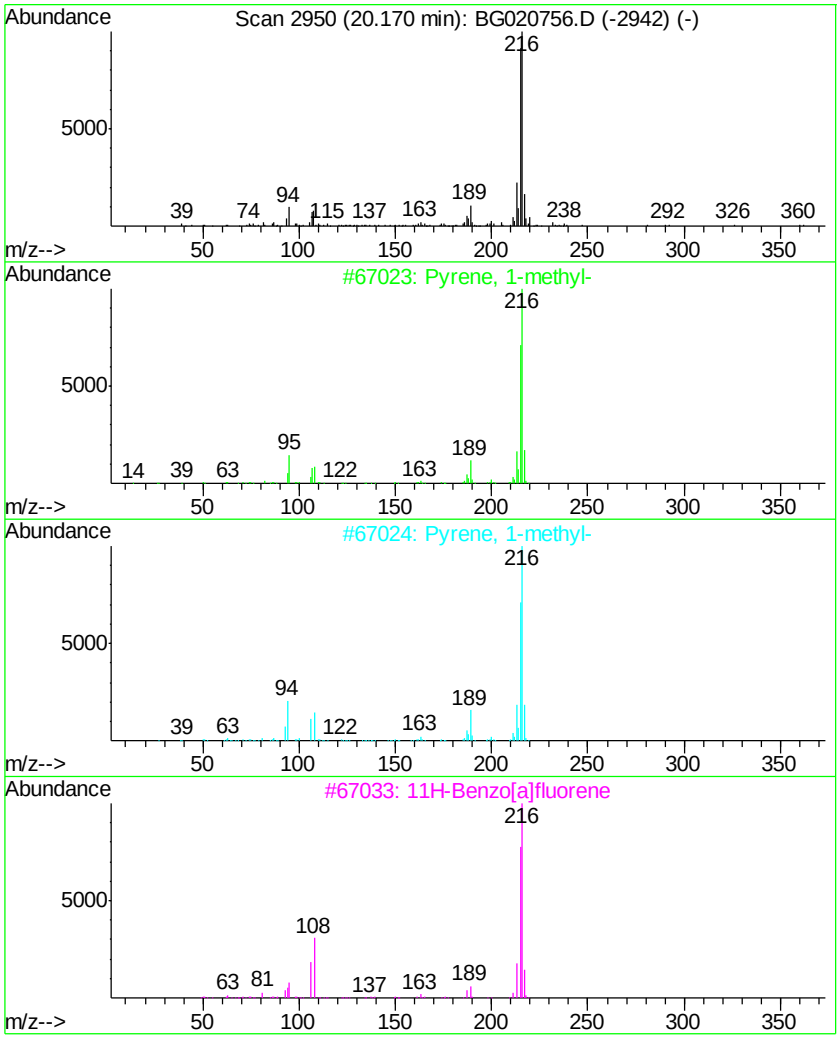
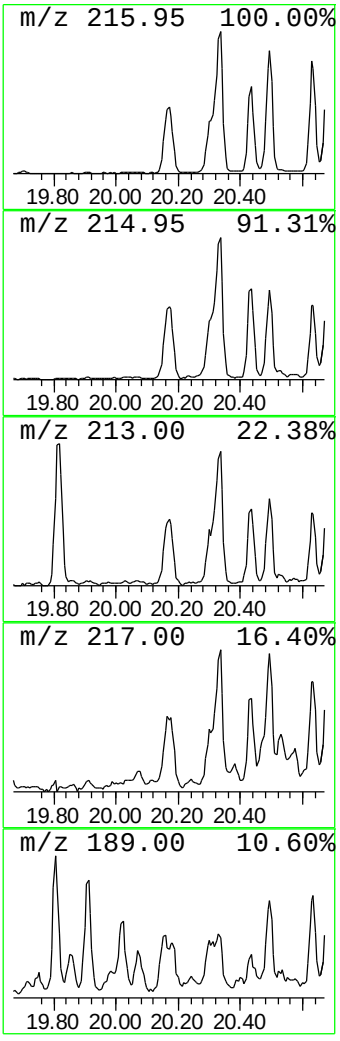
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	4.93 ng/ul	303649	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





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Operator : SJ/IZ
Sample : H1101-14
Misc :
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Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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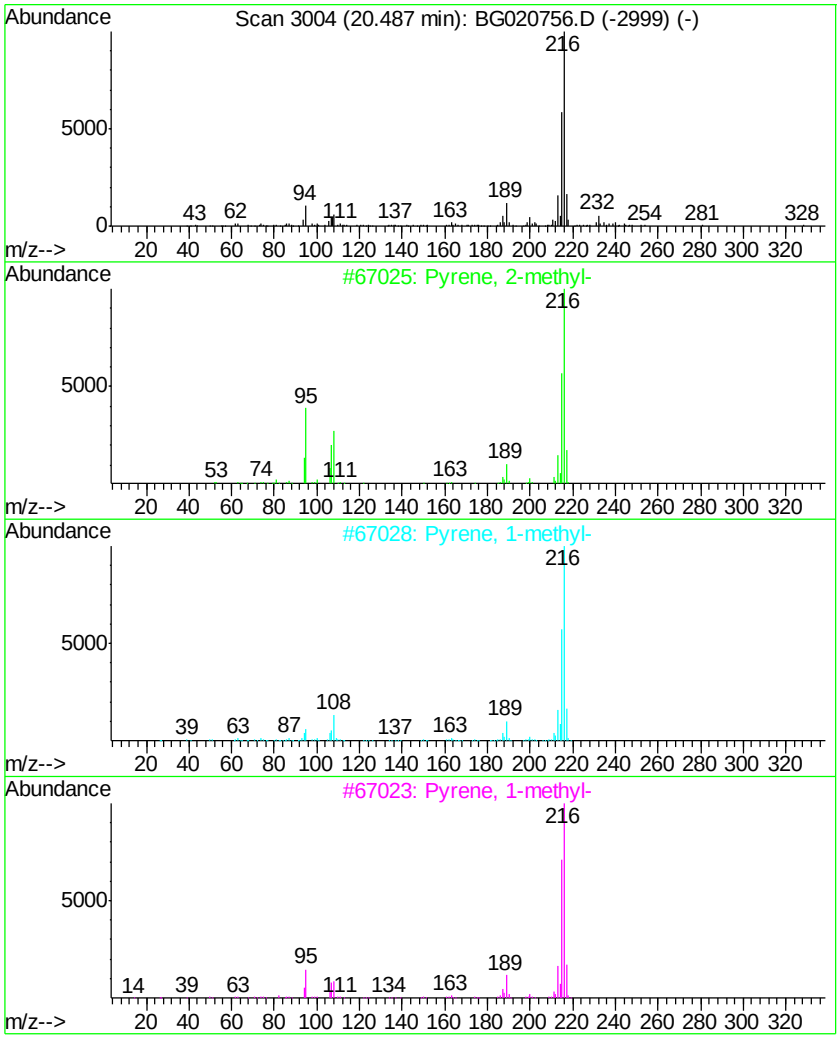
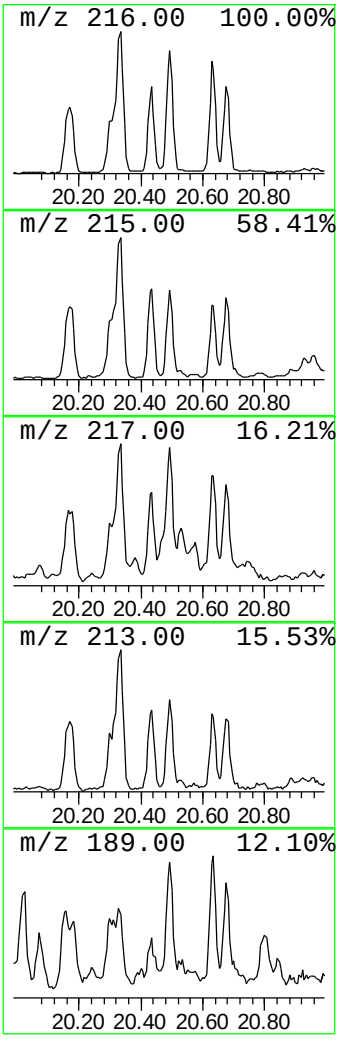
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	4.39 ng/ul	270267	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Misc :
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Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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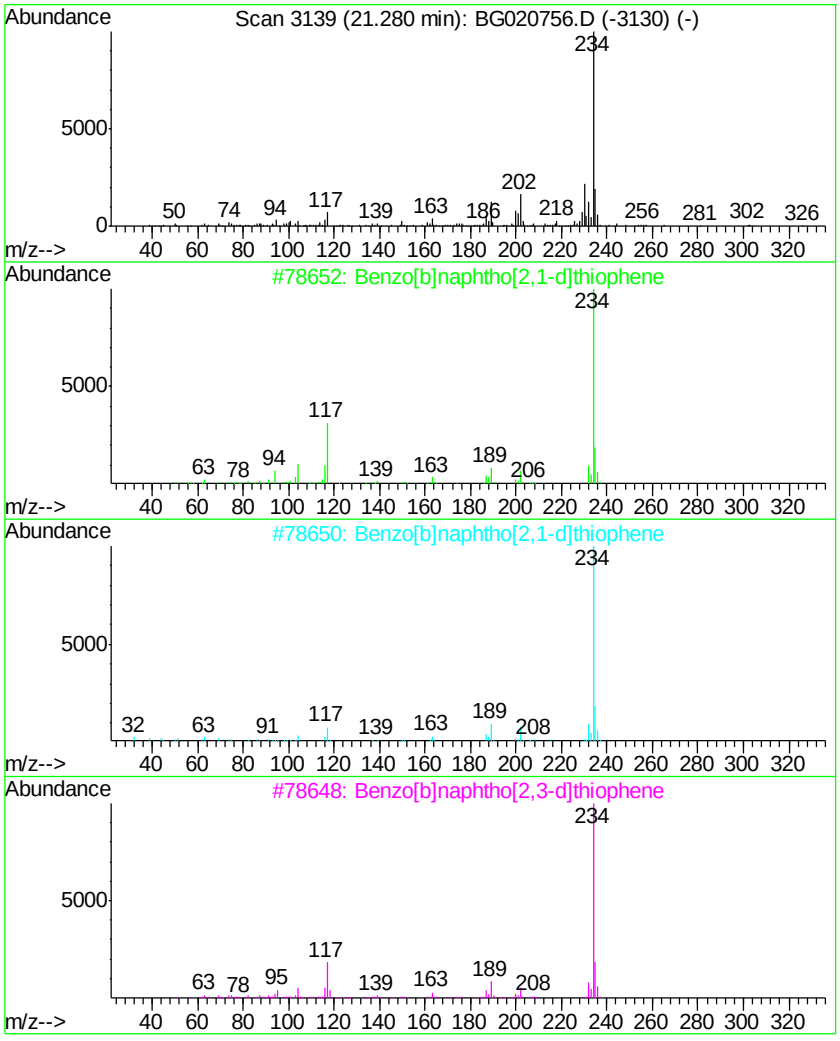
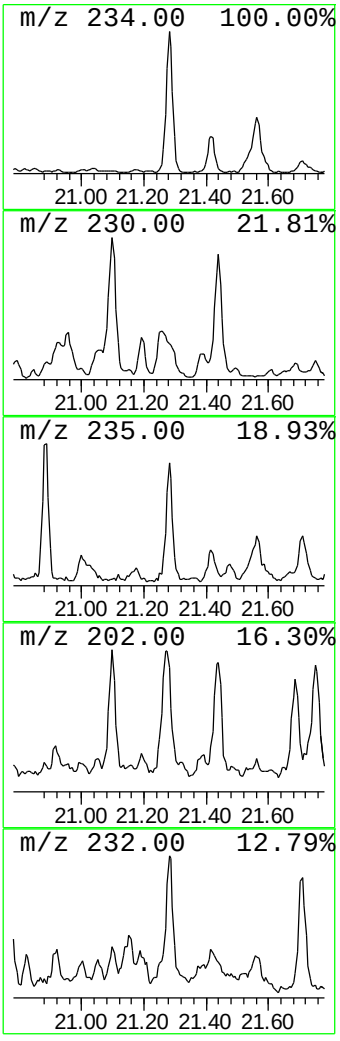
Peak Number 31 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	4.82 ng/ul	296564	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	74





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Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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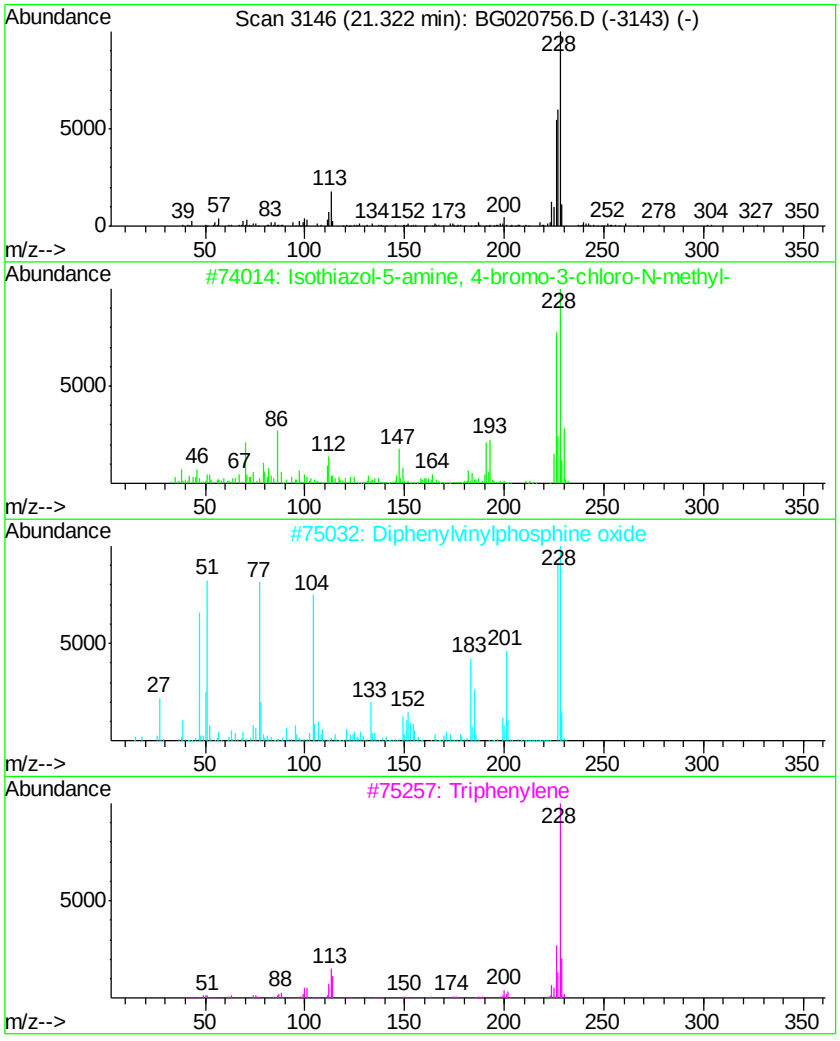
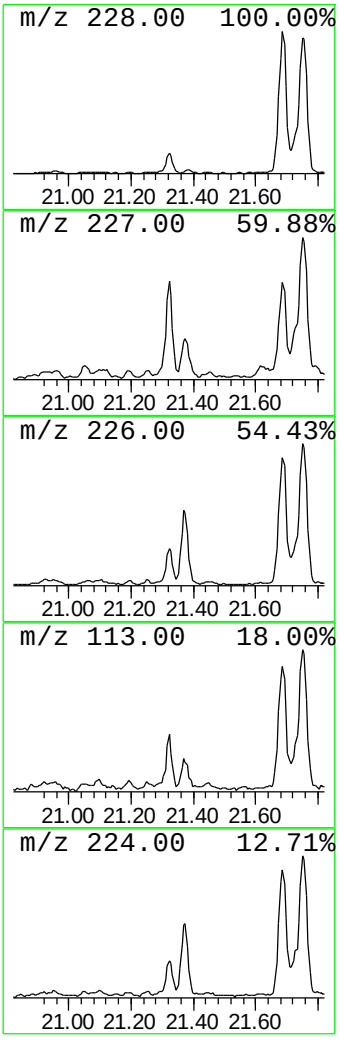
Peak Number 32 Isothiazol-5-amine, 4-bromo... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.97 ng/ul	182588	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	43
3	Triphenylene	228	C18H12	000217-59-4	43
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	38
5	Triphenylene	228	C18H12	000217-59-4	38





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Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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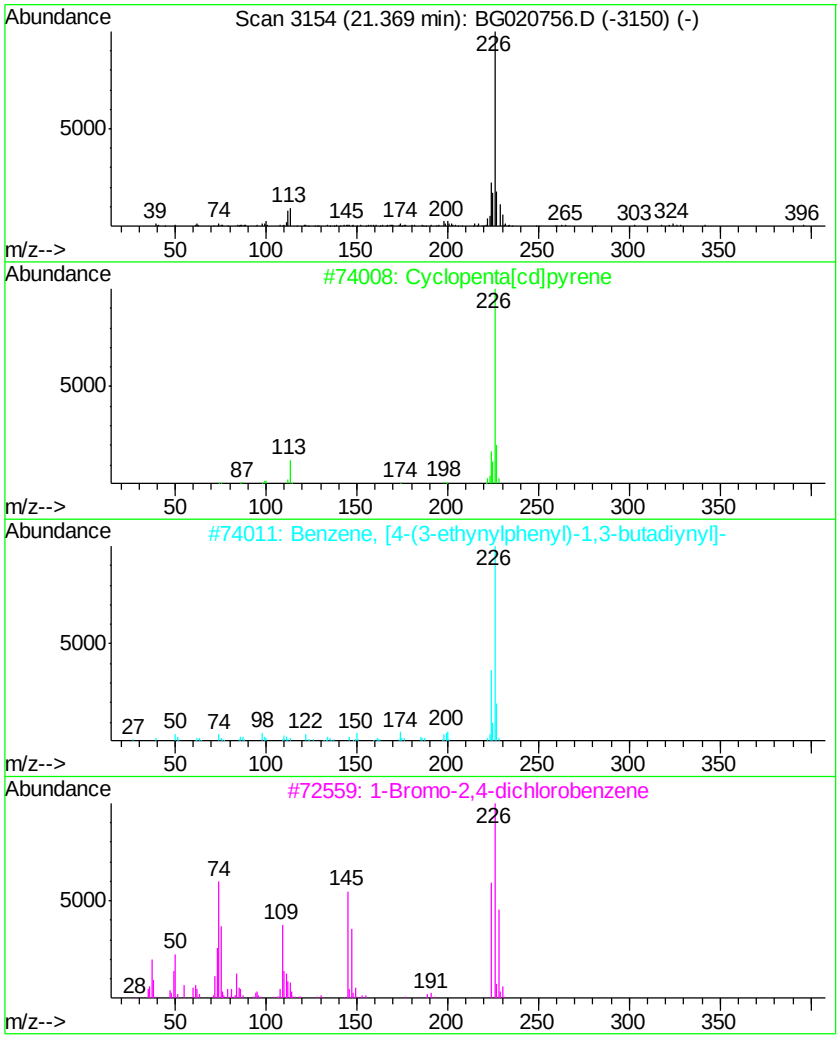
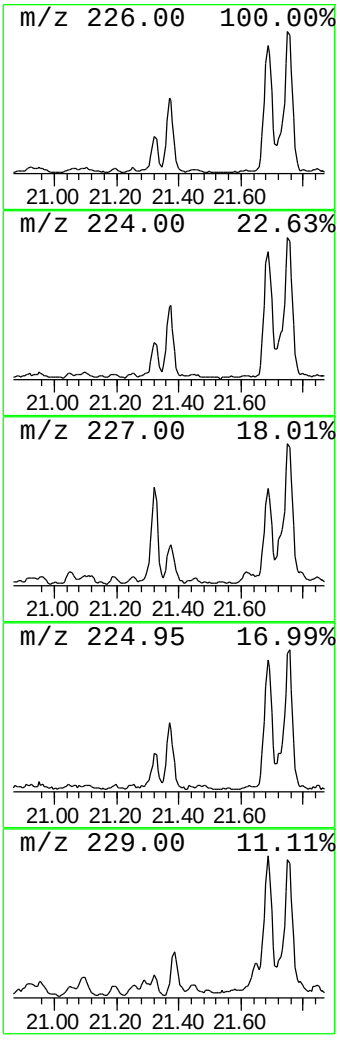
Peak Number 33 Cyclopenta[cd]pyrene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.49 ng/ul	153314	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	52
3	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	47
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38





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Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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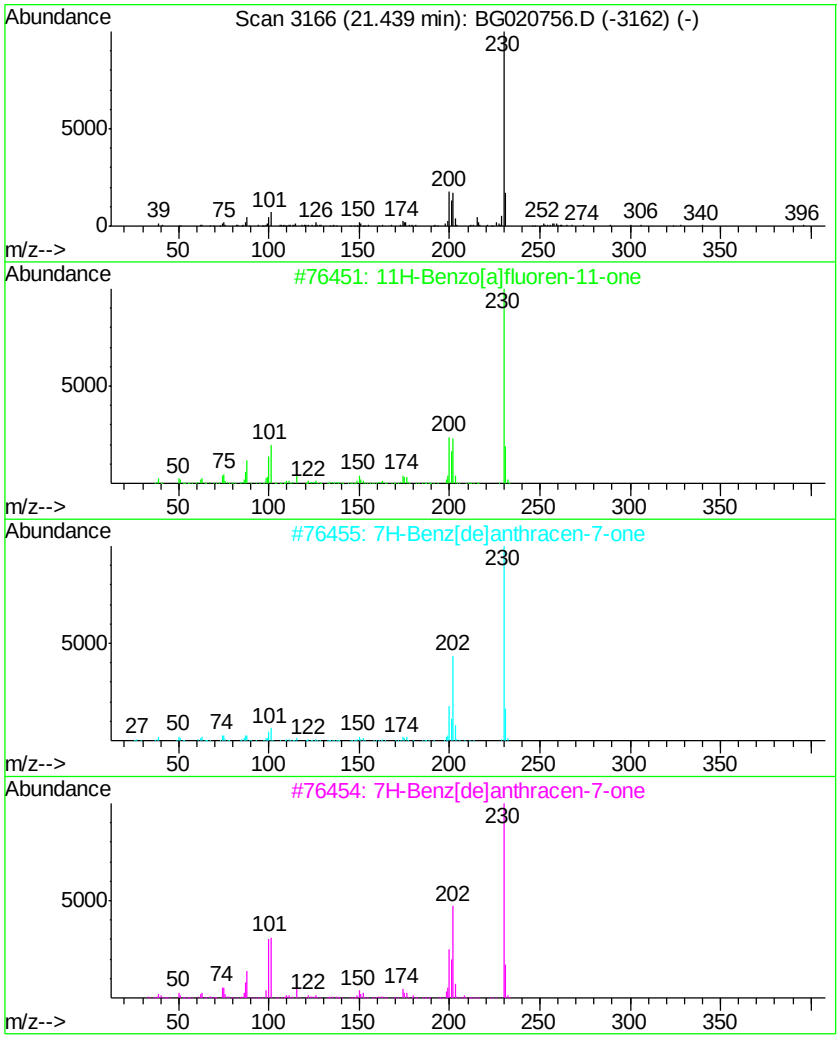
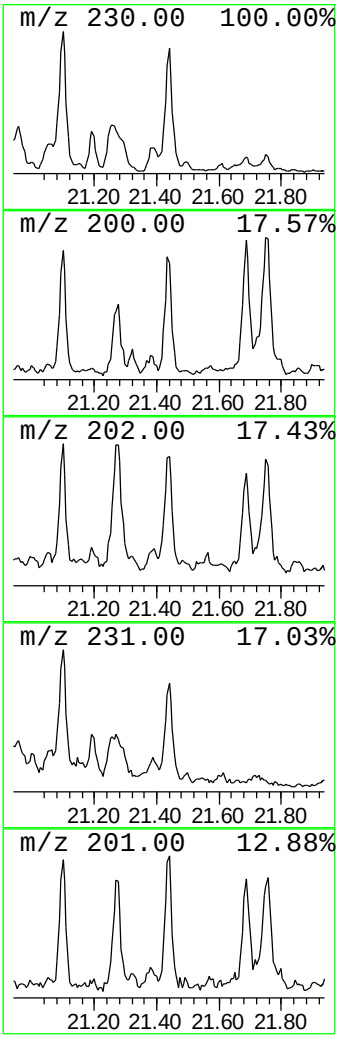
Peak Number 34 11H-Benzo[a]fluoren-11-one Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	2.56 ng/ul	157795	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





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Sample : H1101-14
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Quant Title : SVOA CALIBRATION

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

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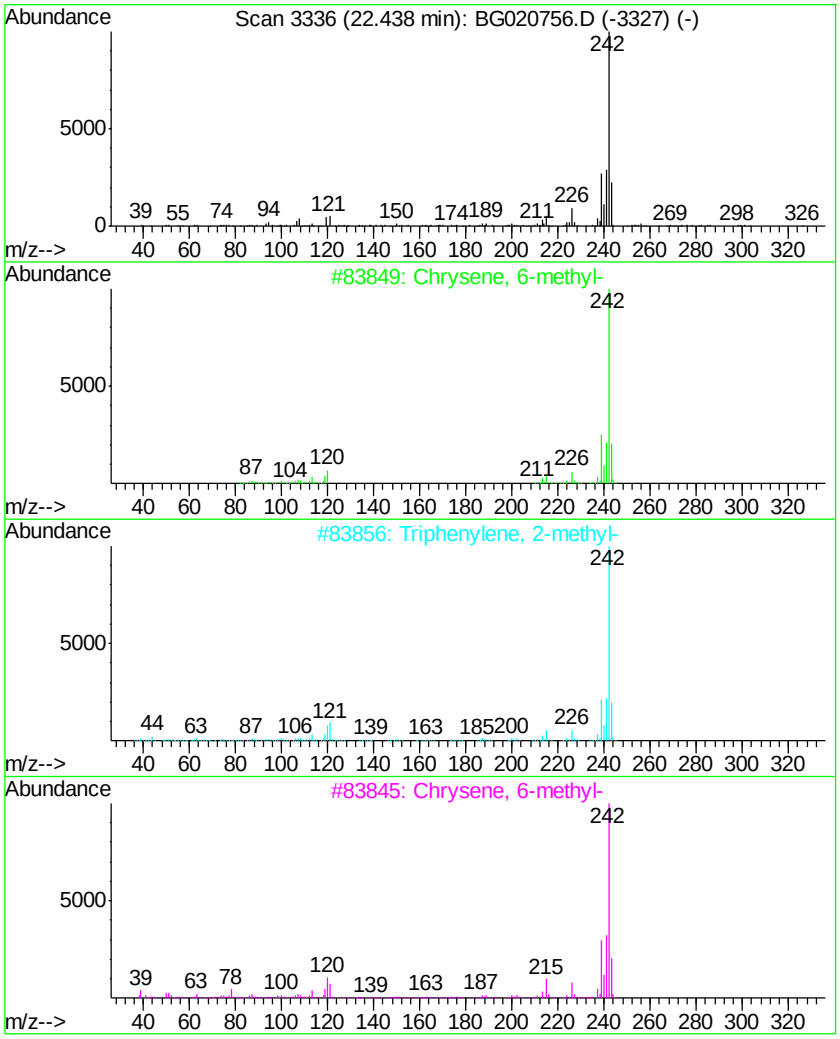
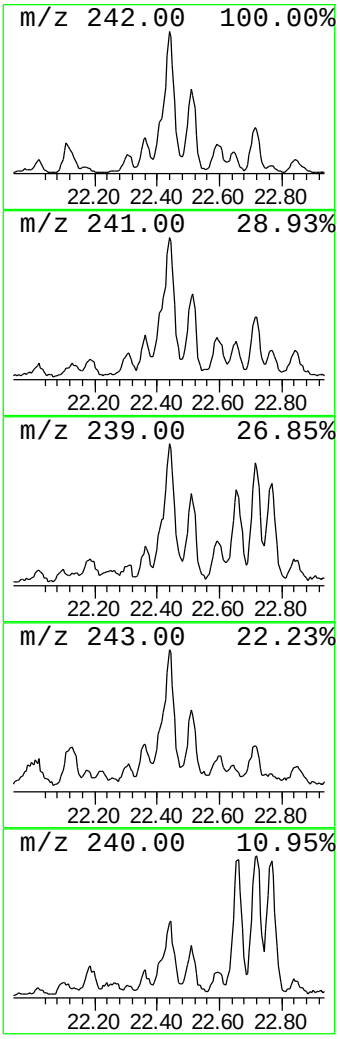
Peak Number 35 Chrysene, 6-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	5.03 ng/ul	309393	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	001705-85-7	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
3	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	90
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89





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Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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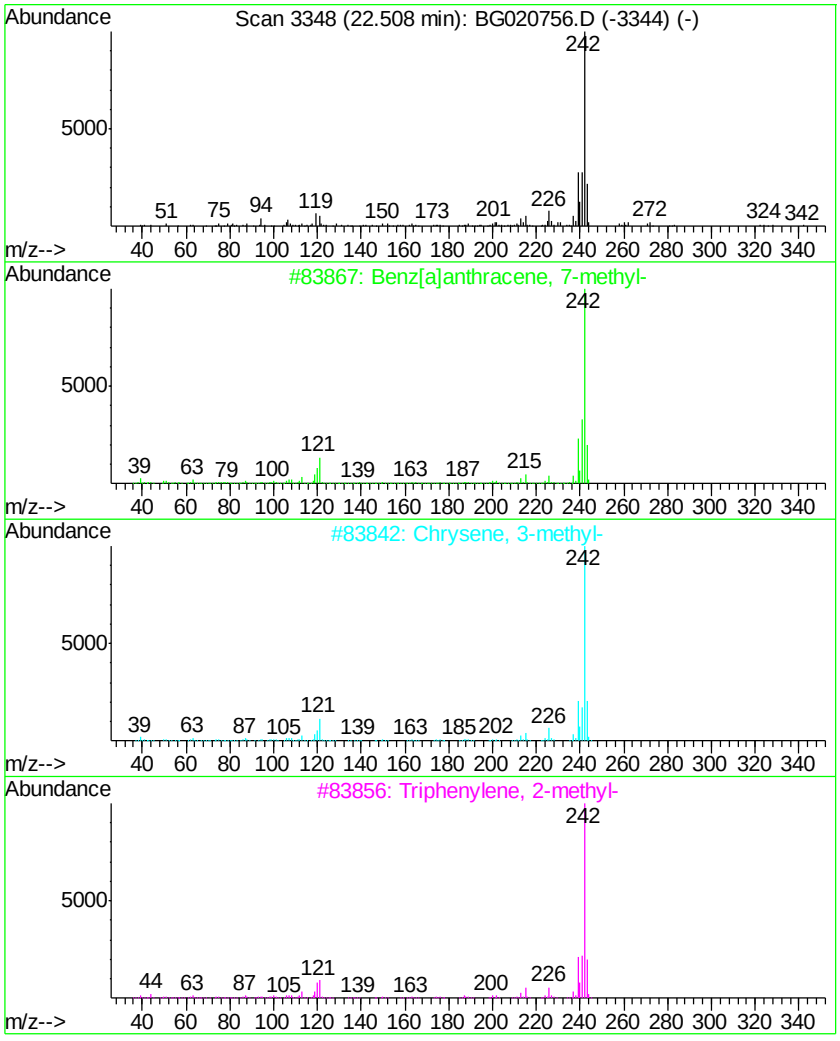
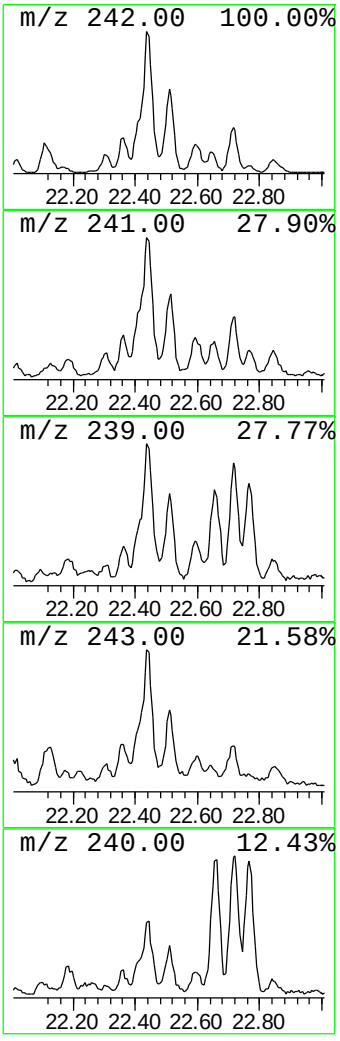
Peak Number 36 Benz[a]anthracene, 7-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	2.60 ng/ul	160159	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	89
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





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Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

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Quant Title : SVOA CALIBRATION

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

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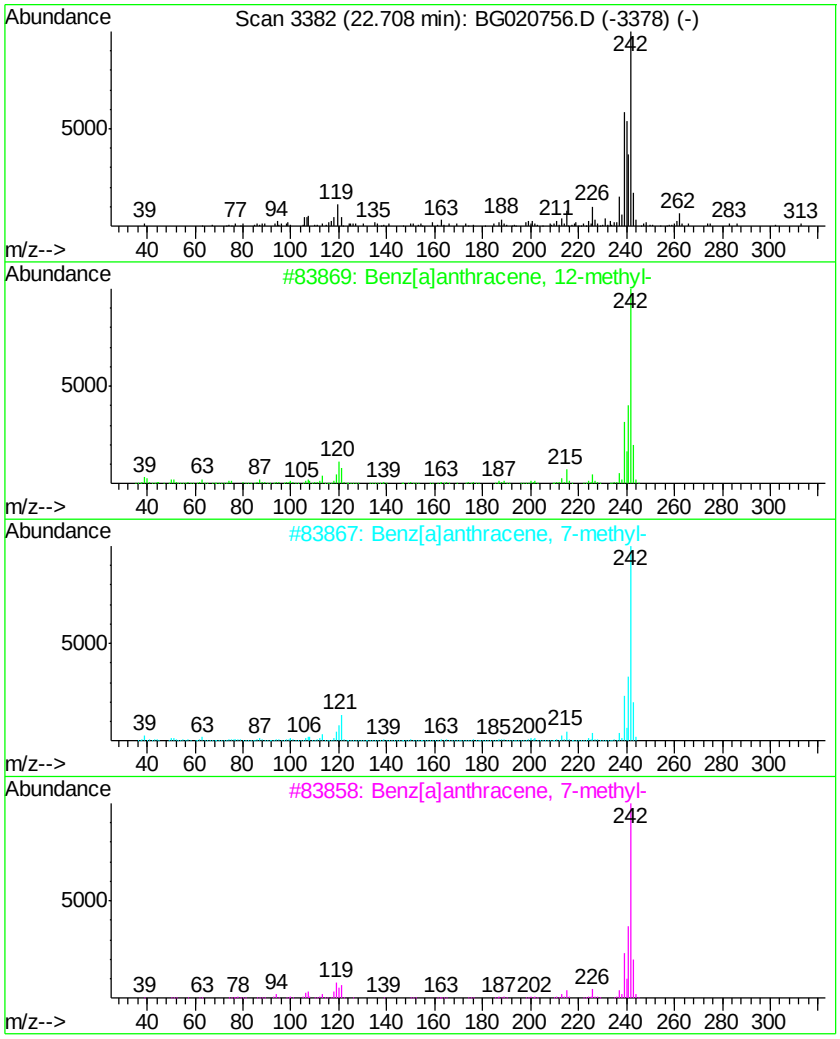
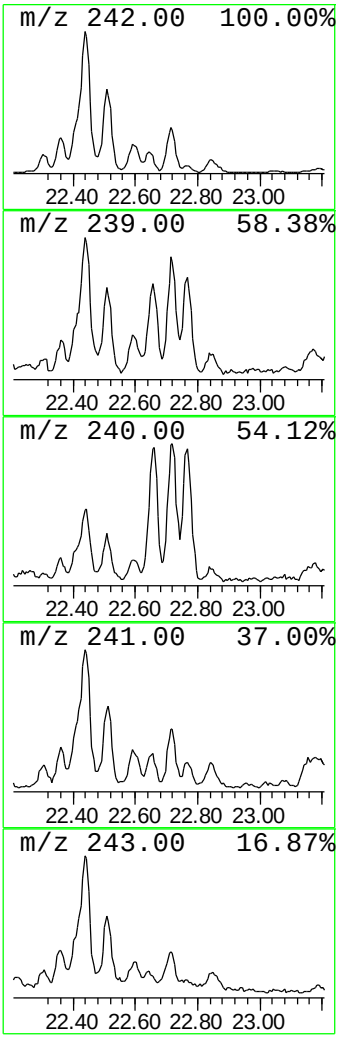
Peak Number 37 Benz[a]anthracene, 12-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.71	2.28 ng/ul	140585	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	50
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	49
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	49
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	46
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	46





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Quant Title : SVOA CALIBRATION

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

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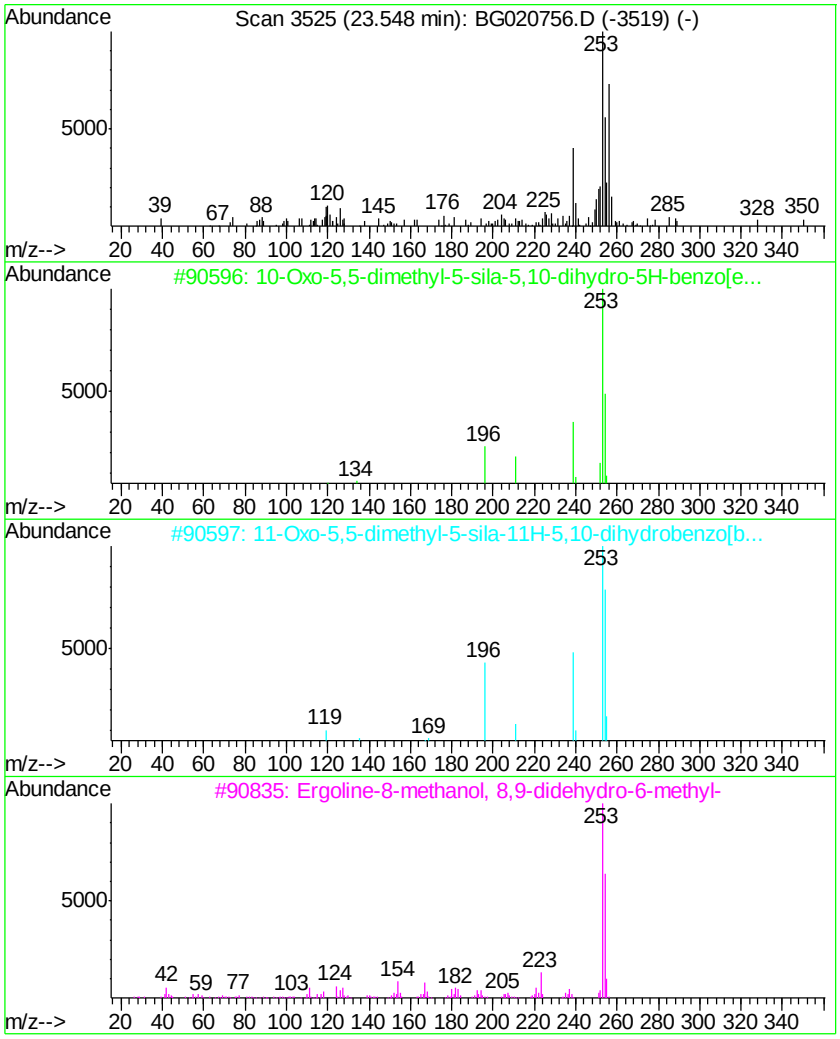
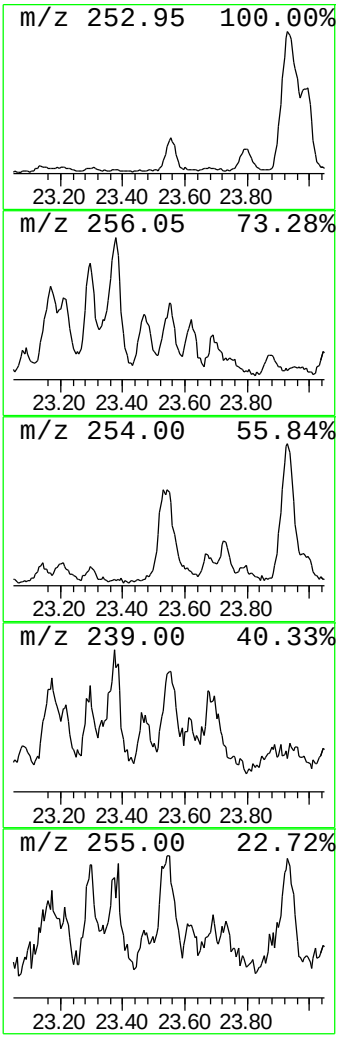
Peak Number 38 unknown-03 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.55	4.01 ng/ul	87637	Perylene-d12	24.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	49
2	11-Oxo-5,5-dimethyl-5-sila-11H-5...	254	C14H14N2OSi	089052-47-1	43
3	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	38
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	35
5	(7-Methyl-4,6,6a,7,8,10a-hexahyd...	254	C16H18N2O	1000192-61-1	30





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Quant Title : SVOA CALIBRATION

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

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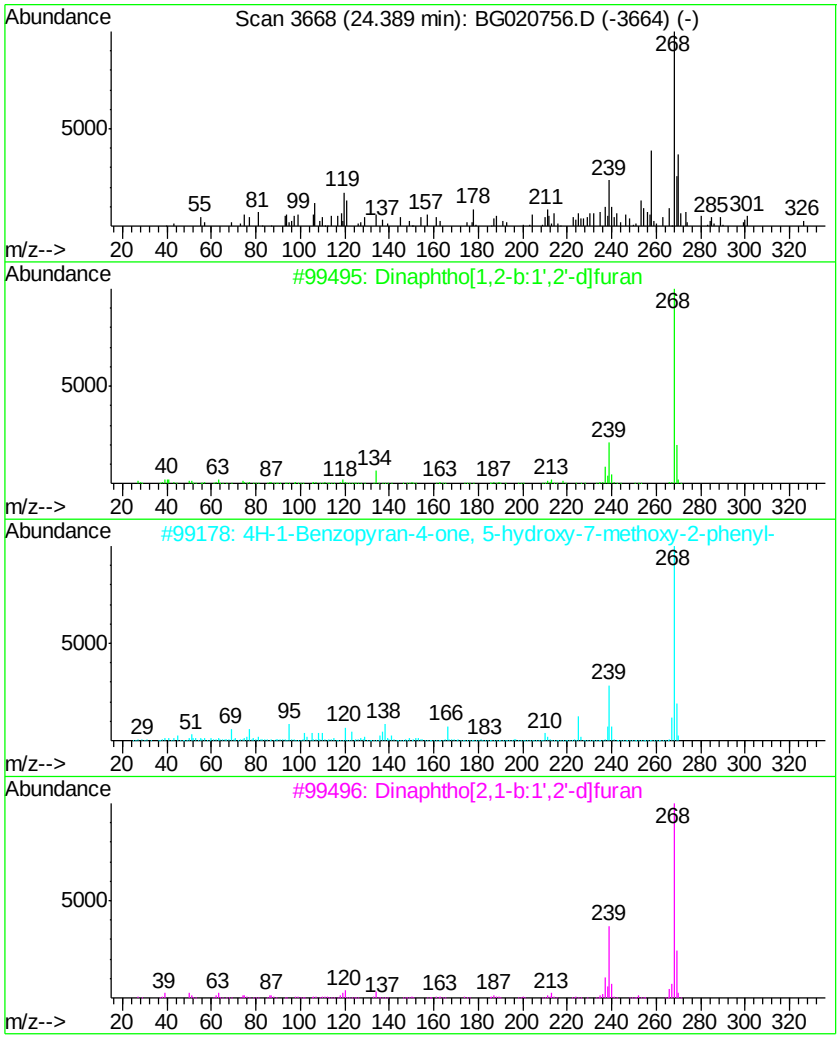
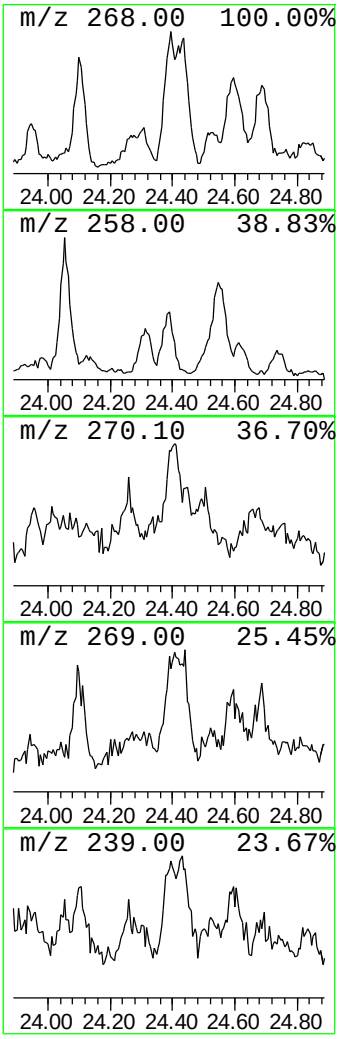
Peak Number 40 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	2.89 ng/ul	63200	Perylene-d12	24.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	60
2	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	49
4	Benzen-1,2-diol, 4,5-dibromo-	266	C6H4Br2O2	002563-26-0	46
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	46





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Quant Title : SVOA CALIBRATION

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

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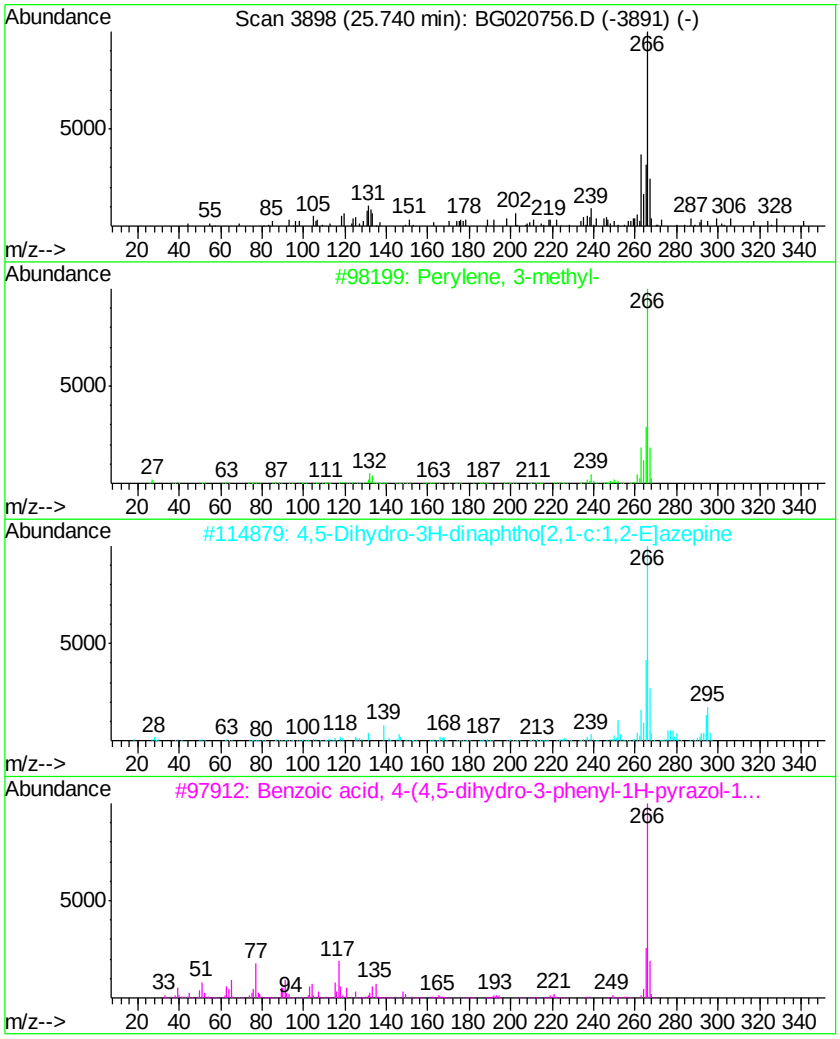
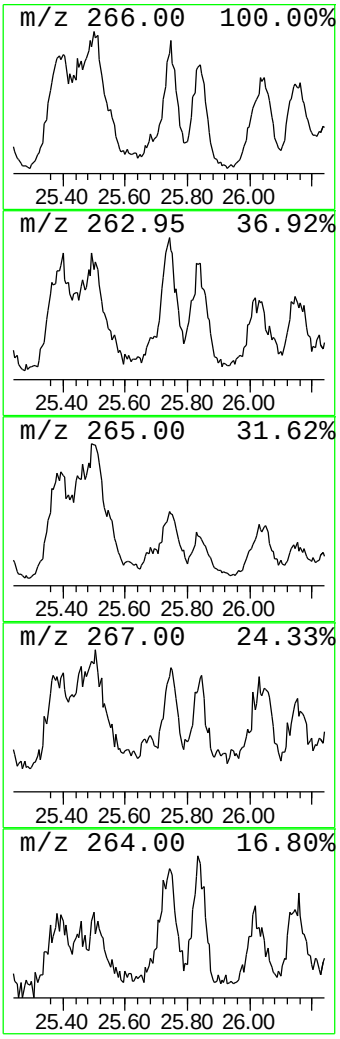
Peak Number 43 Perylene, 3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.74	3.46 ng/ul	75796	Perylene-d12	24.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	89
2	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	64
3	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	64
4	5-(p-Dimethylaminocinnamoyl)-2-m...	266	C17H18N2O	004625-19-8	58
5	2,4,8,10-Tetramethylbenzo[1,2-b;...	266	C16H18N4	017377-04-7	58





Tentatively Identified Compound (LSC) summary

Data Path : V:\HPCHEM1\BNA_G\Data\BG011516\
Data File : BG020756.D
Acq On : 15 Jan 2016 17:20
Operator : SJ/IZ
Sample : H1101-14
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.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...	3.13	36.9	ng/ul	181365	1	8.04	98335	20.0
Naphthalene, 1-me...	16.39	2.9	ng/ul	45922	4	17.43	321879	20.0
9H-Fluorene, 2-me...	16.73	3.3	ng/ul	53210	4	17.43	321879	20.0
Dibenzothiophene,...	18.01	4.1	ng/ul	66394	4	17.43	321879	20.0
Phenanthrene, 2-m...	18.30	12.8	ng/ul	206116	4	17.43	321879	20.0
unknown-01	18.50	20.1	ng/ul	324296	4	17.43	321879	20.0
2-Phenylnaphthalene	18.80	7.7	ng/ul	123234	4	17.43	321879	20.0
9,10-Anthracenedione	18.85	13.2	ng/ul	212869	4	17.43	321879	20.0
di-p-Tolylacetylene	19.04	3.9	ng/ul	62396	4	17.43	321879	20.0
Phenanthrene, 2,5...	19.21	17.6	ng/ul	283397	4	17.43	321879	20.0
Phenanthrene, 1,7...	19.27	7.4	ng/ul	118575	4	17.43	321879	20.0
9,10-Dimethylanth...	19.31	3.2	ng/ul	50809	4	17.43	321879	20.0
Cyclopenta(def)ph...	19.37	12.4	ng/ul	199775	4	17.43	321879	20.0
unknown-02	19.54	3.2	ng/ul	52052	4	17.43	321879	20.0
Phenanthrene, 2,3...	19.91	2.5	ng/ul	152844	5	21.71	1230830	20.0
Benzo[b]naphtho[2...	20.02	2.2	ng/ul	135135	5	21.71	1230830	20.0
Pyrene, 1-methyl-	20.17	4.9	ng/ul	303649	5	21.71	1230830	20.0
Pyrene, 2-methyl-	20.49	4.4	ng/ul	270267	5	21.71	1230830	20.0
Benzo[b]naphtho[2...	21.28	4.8	ng/ul	296564	5	21.71	1230830	20.0
Isothiazol-5-amin...	21.32	3.0	ng/ul	182588	5	21.71	1230830	20.0
Cyclopenta[cd]pyrene	21.37	2.5	ng/ul	153314	5	21.71	1230830	20.0
11H-Benzo[a]fluor...	21.44	2.6	ng/ul	157795	5	21.71	1230830	20.0
Chrysene, 6-methyl-	22.44	5.0	ng/ul	309393	5	21.71	1230830	20.0
Benz[a]anthracene...	22.51	2.6	ng/ul	160159	5	21.71	1230830	20.0
Benz[a]anthracene...	22.71	2.3	ng/ul	140585	5	21.71	1230830	20.0
unknown-03	23.55	4.0	ng/ul	87637	6	24.96	437507	20.0
Dinaphtho[1,2-b:1...	24.39	2.9	ng/ul	63200	6	24.96	437507	20.0
Perylene, 3-methyl-	25.74	3.5	ng/ul	75796	6	24.96	437507	20.0