LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009635.D
Acq On : 07 Feb 2020 07:11
Operator : CG/JU
Sample : L1324-14 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT69

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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.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	7.434	749	756	767	rVB	859812	1330453	4.18%	0.516%
2	7.963	839	846	858	rBV	250445	446179	1.40%	0.173%
3	10.187	1217	1224	1228	rBV	1120731	1894827	5.95%	0.735%
4	11.710	1469	1483	1497	rVB2	213460	740778	2.32%	0.287%
5	13.522	1781	1791	1799	rBV2	561392	1023472	3.21%	0.397%
6	13.787	1826	1836	1852	rBV	2566900	3991859	12.53%	1.548%
7	14.069	1879	1884	1892	rVV	1600971	2371172	7.44%	0.920%
8	14.692	1984	1990	1996	rBV2	277641	582712	1.83%	0.226%
9	14.951	2029	2034	2040	rVB2	357088	518612	1.63%	0.201%
10	15.151	2060	2068	2071	rBV	225153	400236	1.26%	0.155%
11	15.257	2078	2086	2092	rBV	294480	523579	1.64%	0.203%
12	15.328	2093	2098	2110	rVV2	242054	744929	2.34%	0.289%
13	15.463	2111	2121	2127	rVB3	161856	439255	1.38%	0.170%
14	15.816	2175	2181	2185	rBV3	317785	514444	1.61%	0.200%
15	16.157	2230	2239	2242	rVV6	143076	412873	1.30%	0.160%
16	16.410	2278	2282	2286	rVB2	310985	435365	1.37%	0.169%
17	16.828	2347	2353	2357	rBV	1907365	2575916	8.08%	0.999%
18	16.869	2357	2360	2364	rVV	413213	508773	1.60%	0.197%
19	16.957	2371	2375	2381	rVB	1402042	1943317	6.10%	0.754%
20	17.022	2381	2386	2392	rBV4	382541	714947	2.24%	0.277%
21	17.351	2438	2442	2447	rVB	614935	815615	2.56%	0.316%
22	17.410	2448	2452	2462	rVB2	316574	537288	1.69%	0.208%
23	17.522	2466	2471	2481	rVB2	821689	1400259	4.39%	0.543%
24	17.633	2485	2490	2496	rBV2	264894	505250	1.59%	0.196%
25	17.704	2498	2502	2506	rBV2	560453	759117	2.38%	0.294%
26	17.751	2506	2510	2518	rVB	741855	1056641	3.32%	0.410%
27	17.833	2519	2524	2528	rBV	629293	903852	2.84%	0.351%
28	17.898	2529	2535	2539	rBV2	3508047	5873742	18.43%	2.278%
29	17.933	2539	2541	2552	rVB	921404	1230345	3.86%	0.477%
30	18.027	2552	2557	2561	rBV	288432	432811	1.36%	0.168%
31	18.104	2567	2570	2575	rVB	430629	524221	1.65%	0.203%
32	18.175	2575	2582	2584	rBV4	245182	482323	1.51%	0.187%
33	18.210	2584	2588	2593	rVV2	1279139	1958770	6.15%	0.760%
34	18.263	2594	2597	2607	rVB3	457936	891996	2.80%	0.346%

LSC Area Percent Report

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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT69

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Title : SVOA CALIBRATION

35	18.433	2622	2626	2629	rBV	354146	553324	1.74%	0.215%
36	18.510	2636	2639	2643	rVB	353464	417993	1.31%	0.162%
37	18.557	2643	2647	2651	rVB	621725	872179	2.74%	0.338%
38	18.639	2656	2661	2665	rBV2	2029306	3121846	9.80%	1.211%
39	18.698	2665	2671	2675	rVV2	1669769	2987346	9.37%	1.159%
40	18.733	2675	2677	2681	rVB	967044	998346	3.13%	0.387%
41	18.786	2681	2686	2692	rBV3	3457560	5969956	18.73%	2.316%
42	18.839	2692	2695	2698	rVB	373255	462151	1.45%	0.179%
43	18.904	2698	2706	2713	rBV	8540667	12252039	38.45%	4.752%
44	18.980	2714	2719	2721	rBV2	687733	976784	3.07%	0.379%
45	19.057	2727	2732	2736	rVB	2209906	3014576	9.46%	1.169%
46	19.174	2748	2752	2759	rVB	1141294	1906188	5.98%	0.739%
47	19.280	2760	2770	2777	rBV	20406990	31866720	100.00%	12.360%
48	19.357	2777	2783	2788	rVB3	763308	1296334	4.07%	0.503%
49	19.445	2794	2798	2801	rBV2	413366	510162	1.60%	0.198%
50	19.510	2805	2809	2816	rVB3	861366	1303818	4.09%	0.506%
51	19.604	2819	2825	2836	rBV2	2318330	5006417	15.71%	1.942%
52	19.692	2836	2840	2842	rBV2	347586	454127	1.43%	0.176%
53	19.739	2842	2848	2851	rBV3	2194652	4387101	13.77%	1.702%
54	19.774	2851	2854	2858	rVB	3228337	4131117	12.96%	1.602%
55	19.839	2858	2865	2867	rBV5	395099	747013	2.34%	0.290%
56	19.874	2867	2871	2876	rBV2	1444534	1704132	5.35%	0.661%
57	19.933	2876	2881	2885	rBV	3819571	4619350	14.50%	1.792%
58	20.021	2892	2896	2900	rBV3	325293	614086	1.93%	0.238%
59	20.069	2900	2904	2908	rVV	3234490	4216248	13.23%	1.635%
60	20.116	2908	2912	2917	rVB	3519452	4466583	14.02%	1.732%
61	20.245	2930	2934	2939	rVB2	404787	605993	1.90%	0.235%
62	20.327	2944	2948	2951	rBV3	389028	552381	1.73%	0.214%
63	20.374	2952	2956	2958	rBV2	351762	497193	1.56%	0.193%
64	20.527	2978	2982	2989	rVB	1590687	2371039	7.44%	0.920%
65	20.616	2994	2997	3000	rVB	395117	435792	1.37%	0.169%
66	20.686	3000	3009	3013	rBV4	1517104	3343244	10.49%	1.297%
67	20.727	3013	3016	3019	rVV	1907605	2061230	6.47%	0.799%
68	20.763	3019	3022	3026	rVV	1265603	1421034	4.46%	0.551%
69	20.827	3031	3033	3039	rVB2	659609	902555	2.83%	0.350%
70	20.927	3047	3050	3053	rBV	363063	459193	1.44%	0.178%
71	21.039	3063	3069	3074	rBV2	10163600	17810822	55.89%	6.908%

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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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Title : SVOA CALIBRATION

72	21.086	3074	3077	3083	rVB	7263967	9050334	28.40%	3.510%
73	21.168	3088	3091	3094	rBV	514239	607375	1.91%	0.236%
74	21.257	3102	3106	3120	rVB	4852449	7241614	22.72%	2.809%
75	21.404	3128	3131	3136	rVB4	648830	886552	2.78%	0.344%
76	21.492	3142	3146	3150	rVB4	398082	550965	1.73%	0.214%
77	21.533	3150	3153	3156	rBV	791026	934929	2.93%	0.363%
78	21.586	3156	3162	3167	rBV	2656955	3975061	12.47%	1.542%
79	21.633	3167	3170	3176	rVB	1441386	1837899	5.77%	0.713%
80	21.698	3176	3181	3184	rBV3	978488	1635746	5.13%	0.634%
81	21.768	3189	3193	3196	rVV3	1747223	2827024	8.87%	1.097%
82	21.798	3196	3198	3203	rVV2	1370276	1774574	5.57%	0.688%
83	21.868	3207	3210	3214	rVB2	862298	1094506	3.43%	0.425%
84	22.151	3255	3258	3261	rBV	319889	487032	1.53%	0.189%
85	22.204	3264	3267	3272	rVB3	472957	710789	2.23%	0.276%
86	22.304	3280	3284	3295	rVB3	526018	1157772	3.63%	0.449%
87	22.557	3319	3327	3336	rVB	4908396	13183056	41.37%	5.113%
88	22.704	3347	3352	3358	rBV	1773711	2813486	8.83%	1.091%
89	22.992	3394	3401	3409	rBV	3700715	6281509	19.71%	2.436%
90	23.086	3410	3417	3422	rVV	6143025	10581260	33.20%	4.104%
91	23.168	3426	3431	3435	rVV	1514636	2690910	8.44%	1.044%
92	23.210	3435	3438	3447	rVB3	824381	1841686	5.78%	0.714%
93	23.410	3467	3472	3476	rBV3	281119	618416	1.94%	0.240%
94	23.674	3513	3517	3524	rVB2	424718	779052	2.44%	0.302%
95	23.968	3561	3567	3579	rVB2	712073	1714662	5.38%	0.665%
96	24.757	3696	3701	3717	rVB7	518405	2041176	6.41%	0.792%
97	25.027	3743	3747	3760	rVB3	441809	1246725	3.91%	0.484%
98	25.239	3774	3783	3791	rVB	1925839	5095643	15.99%	1.976%
99	25.468	3817	3822	3829	rVB	445124	962628	3.02%	0.373%
100	25.868	3882	3890	3905	rVB	1546152	4393050	13.79%	1.704%

Sum of corrected areas: 257817771

LSC Report - Integrated Chromatogram

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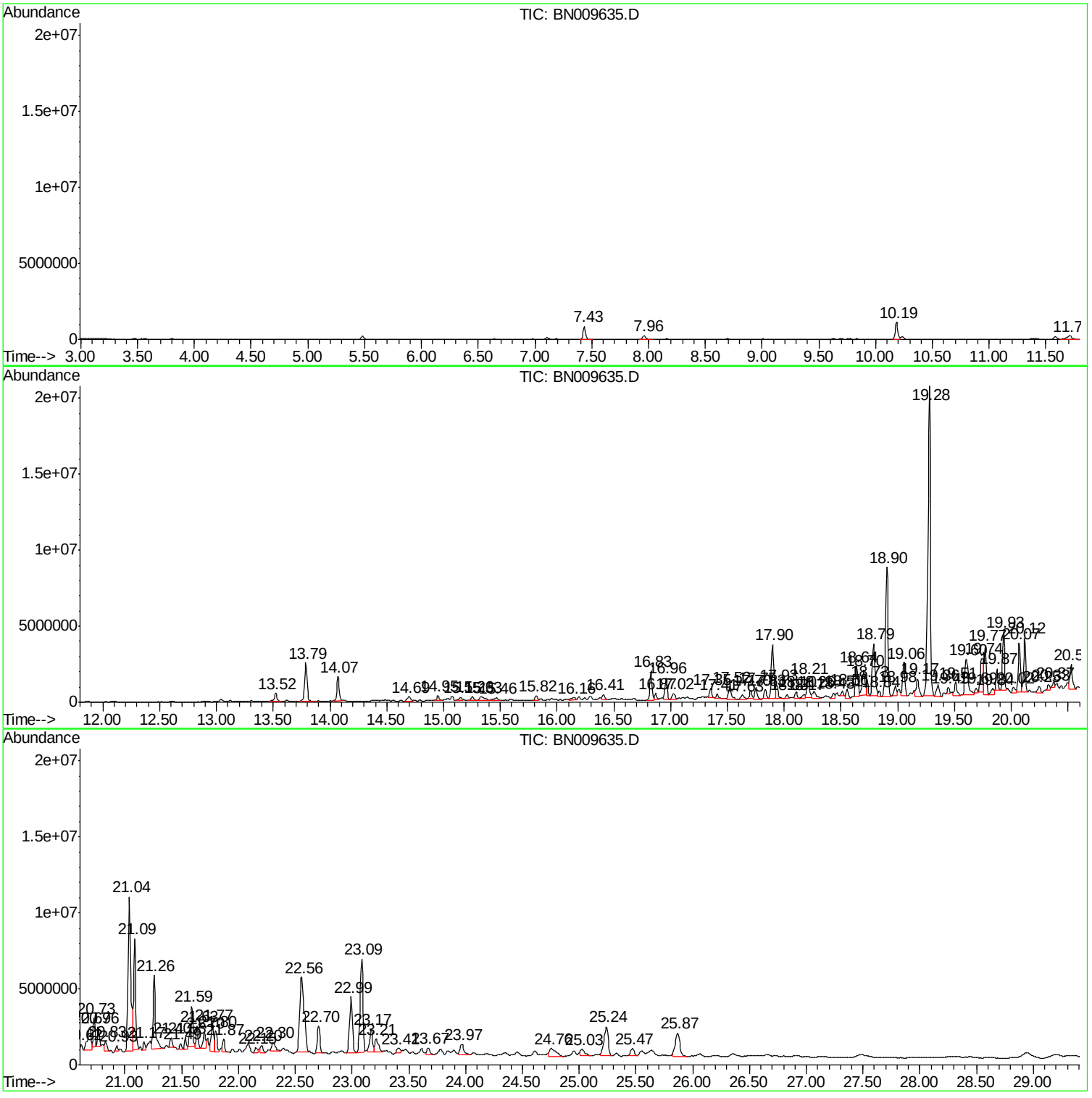
Instrument : BNA_N
ClientSampleId : GAT69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 07 Feb 2020 07:11
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Instrument : BNA_N
ClientSampleId : GAT69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

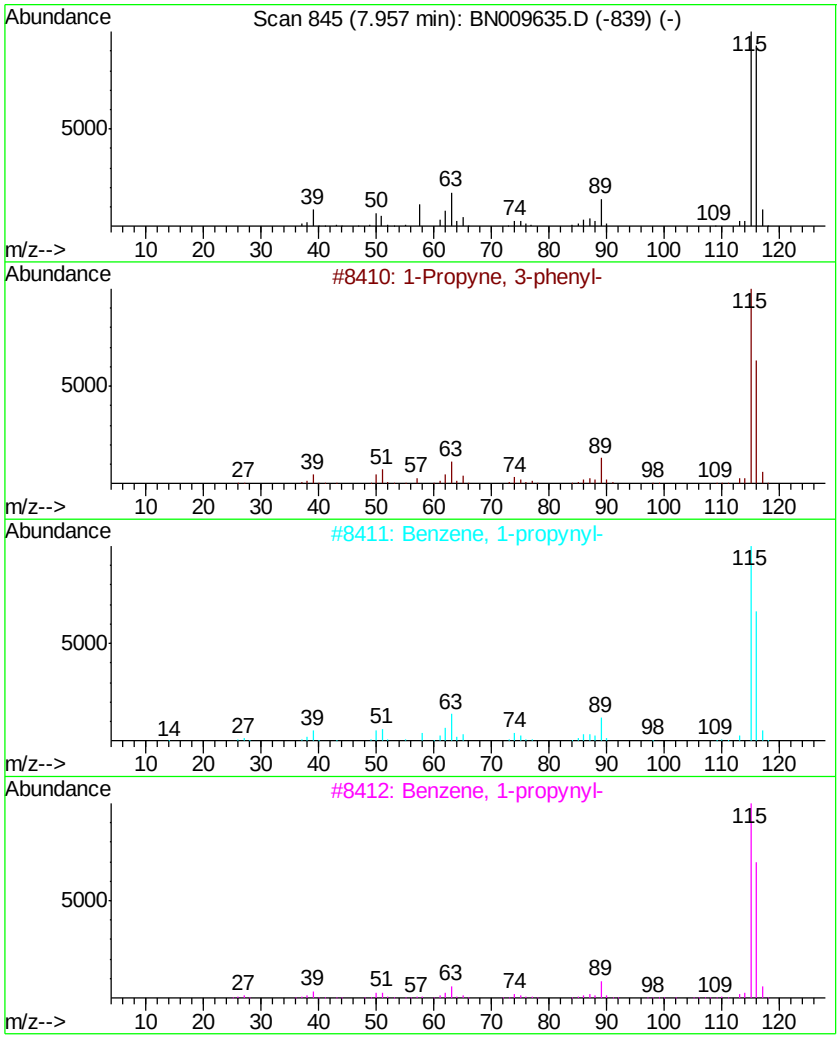
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

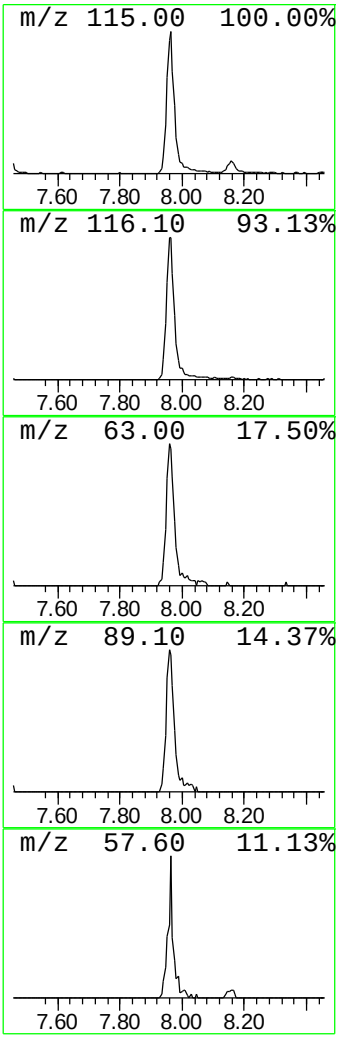
****

Peak Number 1 1-Propyne, 3-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	6.71 ng/ul	446179	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Indene	116	C9H8	000095-13-6	93
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Library Search Compound Report

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Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

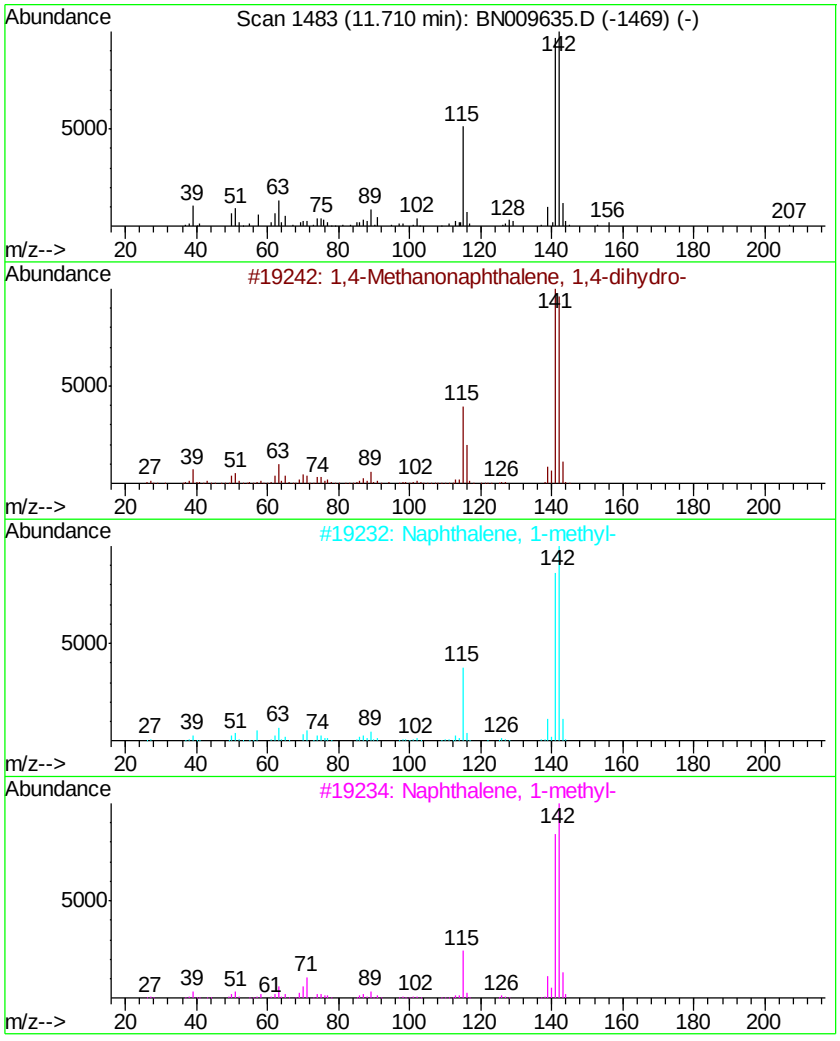
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

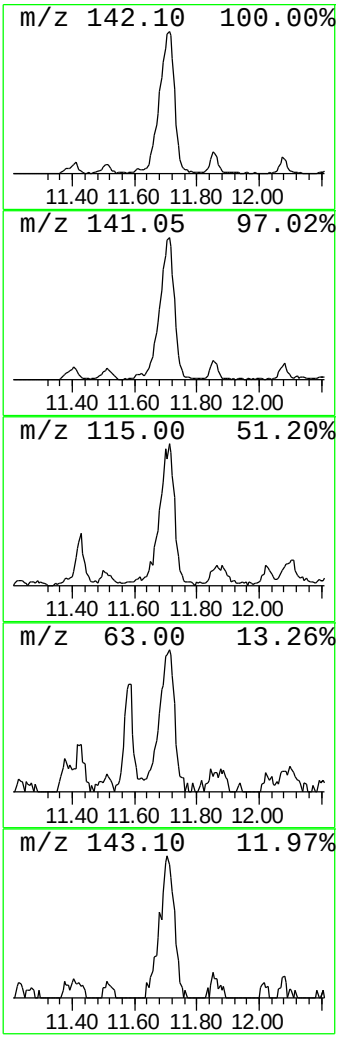
****

Peak Number 2 1,4-Methanonaphthalene, 1,4... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	7.82 ng/ul	740778	Naphthalene-d8	10.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90
5	Benzocycloheptatriene	142	C11H10	000264-09-5	90





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

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

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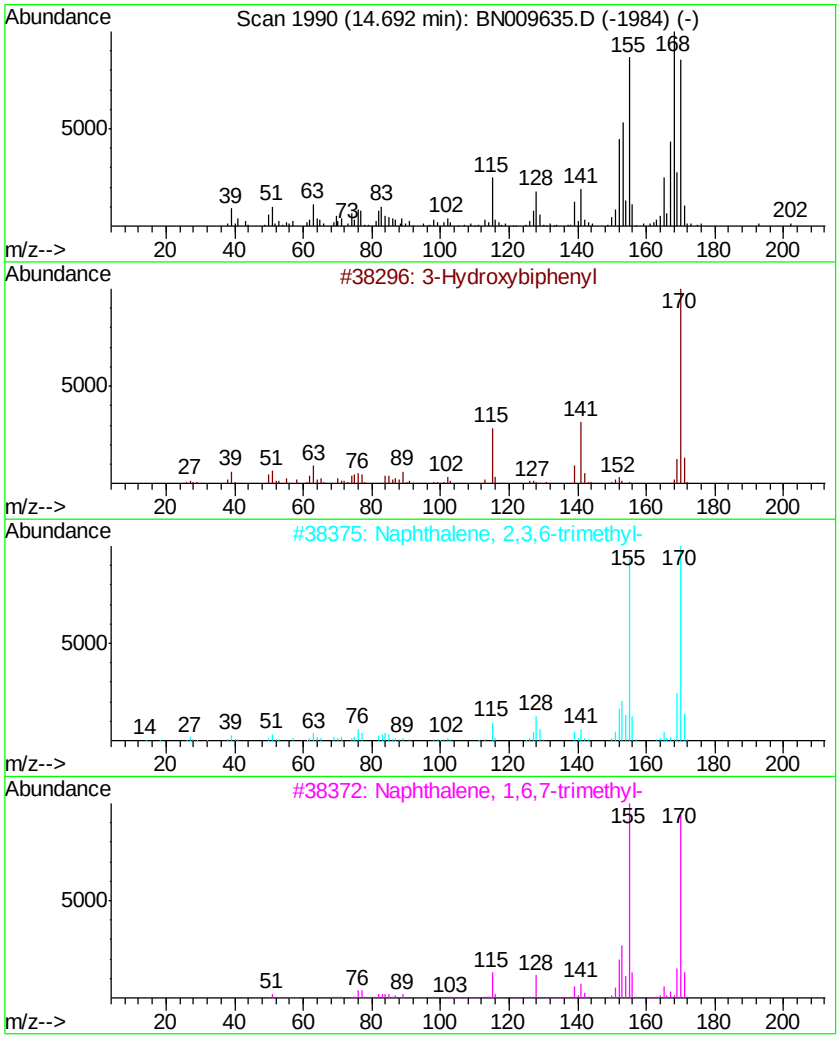
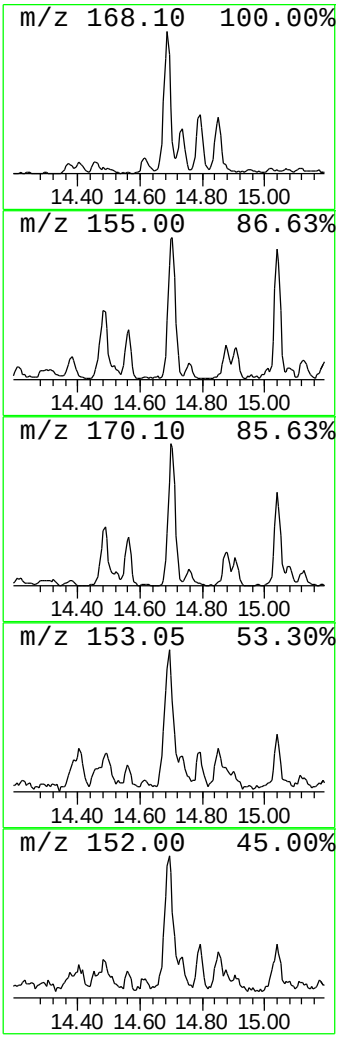
Peak Number 3 3-Hydroxybiphenyl Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	4.91 ng/ul	582712	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxybiphenyl	170	C12H10O	000580-51-8	53
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46





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Misc :
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Instrument : BNA_N
ClientSampleId : GAT69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

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

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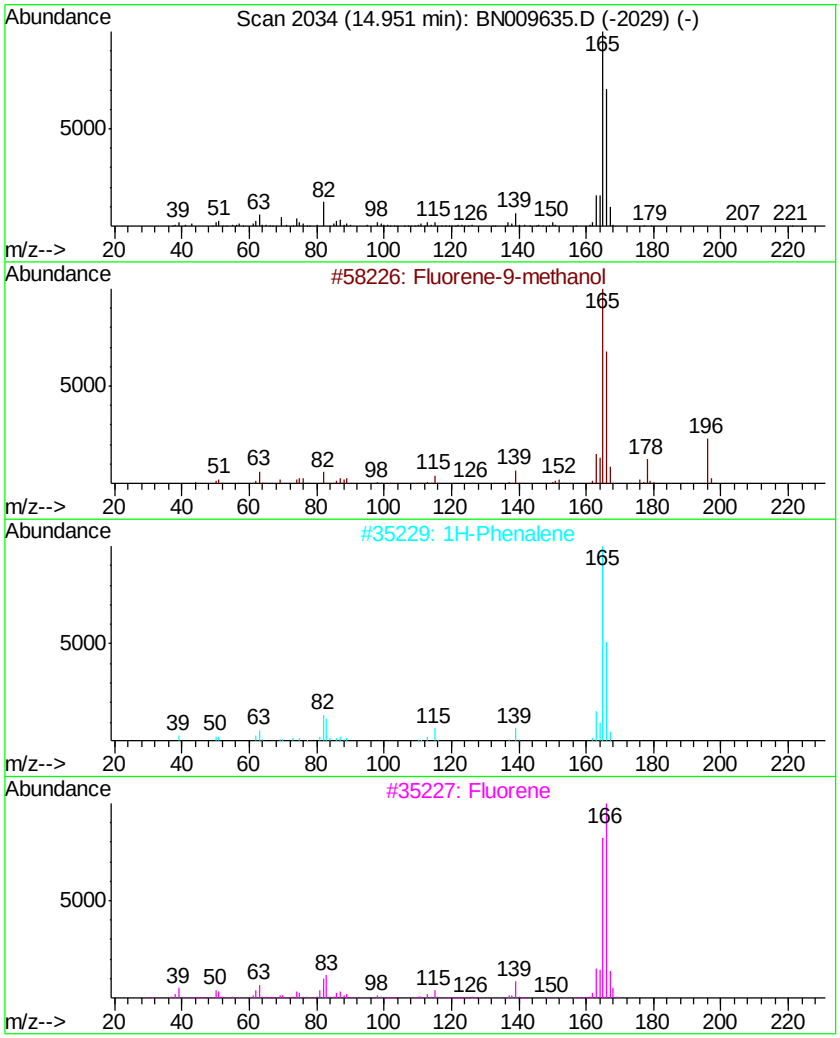
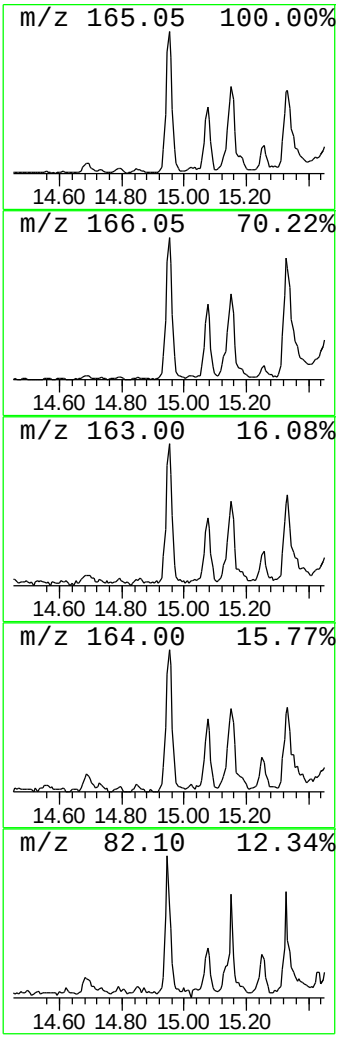
Peak Number 4 Fluorene-9-methanol Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	4.37 ng/ul	518612	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene-9-methanol	196	C14H12O	024324-17-2	78
2	1H-Phenalene	166	C13H10	000203-80-5	78
3	Fluorene	166	C13H10	000086-73-7	76
4	9H-Fluorene, 9-(1-methylethyl)-	208	C16H16	003299-99-8	64
5	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	59





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Quant Title : SVOA CALIBRATION

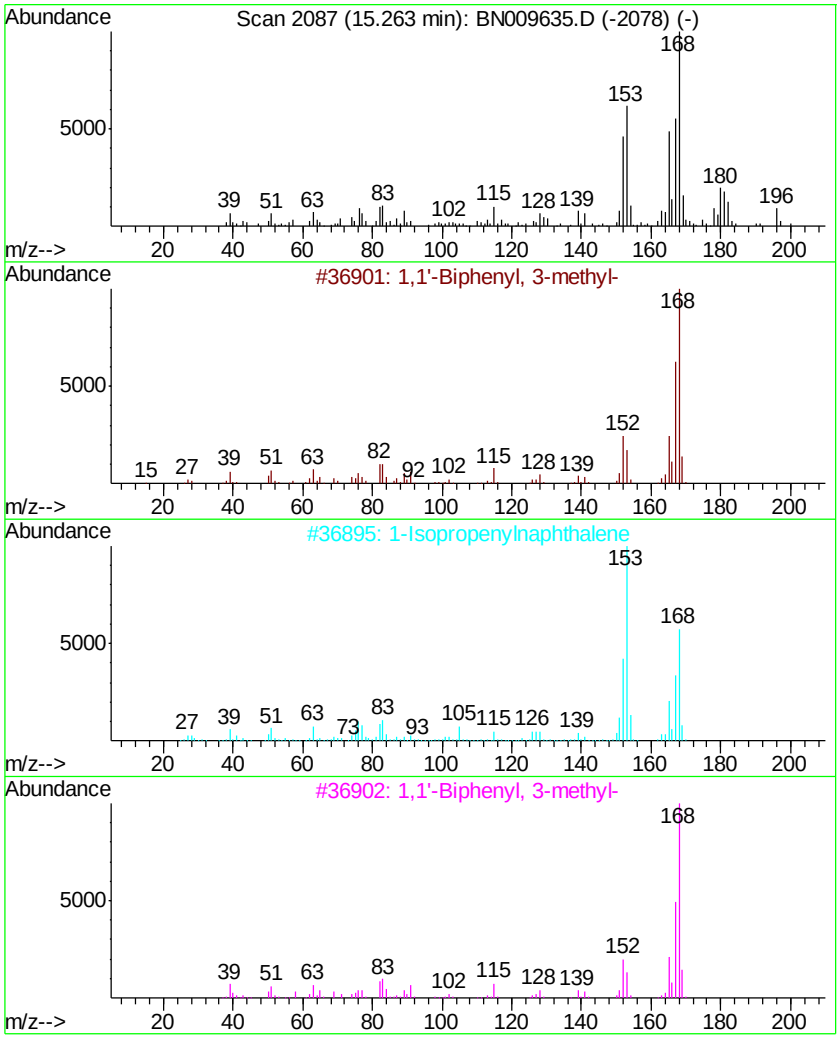
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

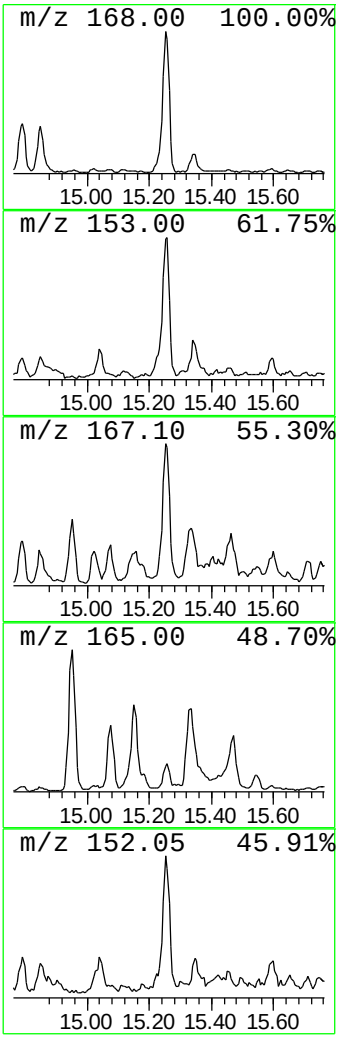
****

Peak Number 5 1,1'-Biphenyl, 3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	4.42 ng/ul	523579	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	87
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49





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Operator : CG/JU
Sample : L1324-14 10X
Misc :
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Instrument : BNA_N
ClientSampleId : GAT69

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Quant Title : SVOA CALIBRATION

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

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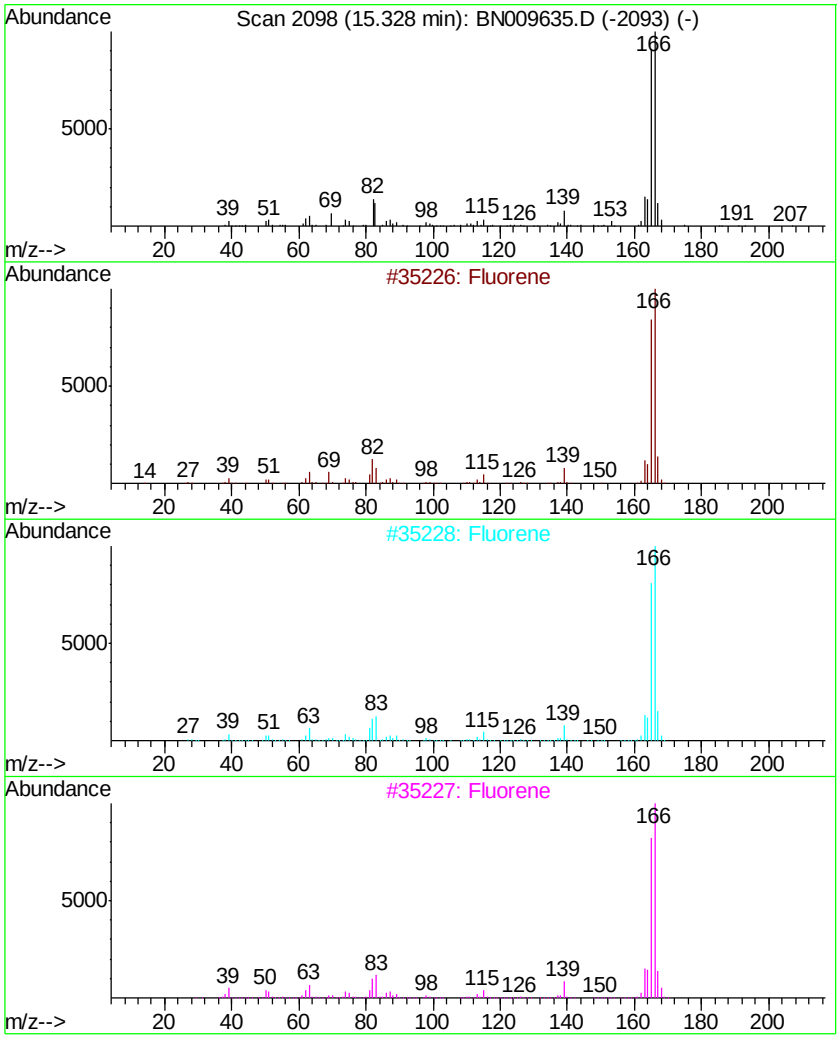
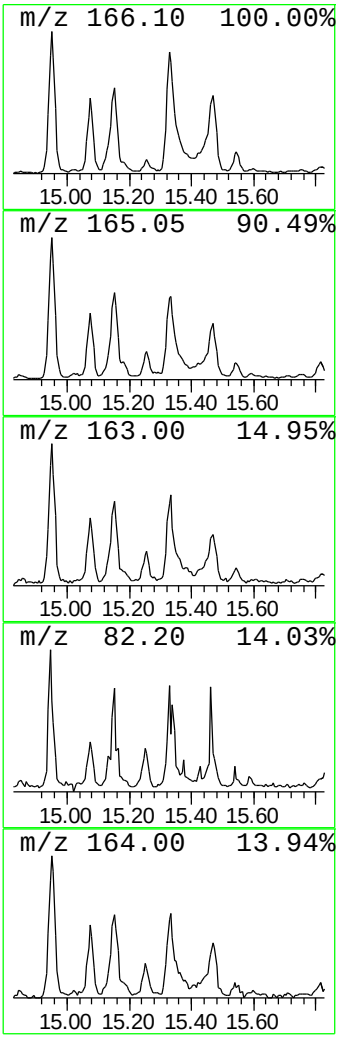
Peak Number 6 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	6.28 ng/ul	744929	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	95
2	Fluorene	166	C13H10	000086-73-7	95
3	Fluorene	166	C13H10	000086-73-7	94
4	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	64
5	1H-Phenalene	166	C13H10	000203-80-5	53





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ClientSampleId : GAT69

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Quant Title : SVOA CALIBRATION

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

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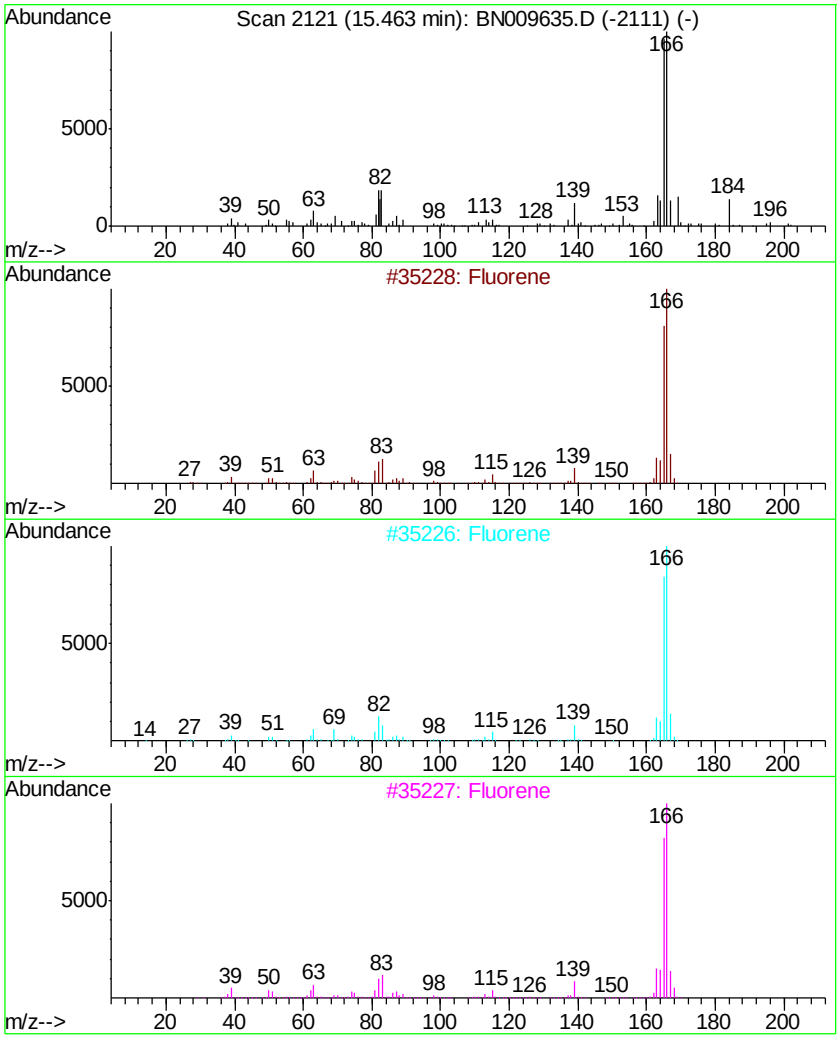
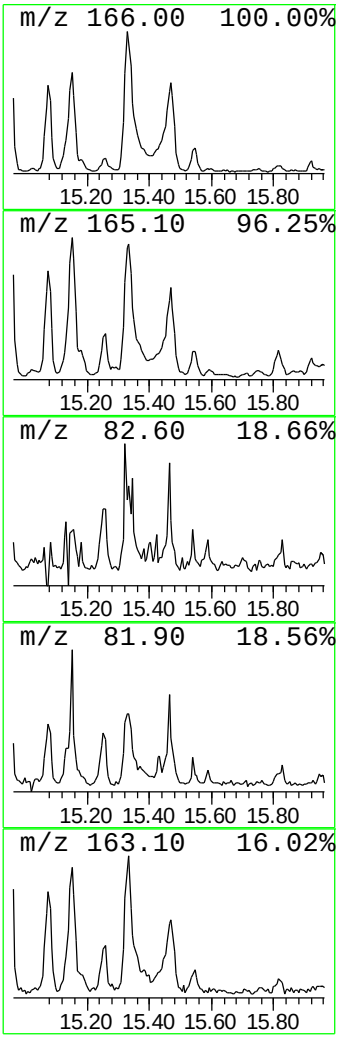
Peak Number 7 unknown-02 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	3.41 ng/ul	439255	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	81
2	Fluorene	166	C13H10	000086-73-7	81
3	Fluorene	166	C13H10	000086-73-7	76
4	Fluorene-9-methanol	196	C14H12O	024324-17-2	68
5	L-Alanine, N-[(9H-fluoren-9-ylme...	311	C18H17NO4	035661-39-3	45





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Quant Title : SVOA CALIBRATION

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

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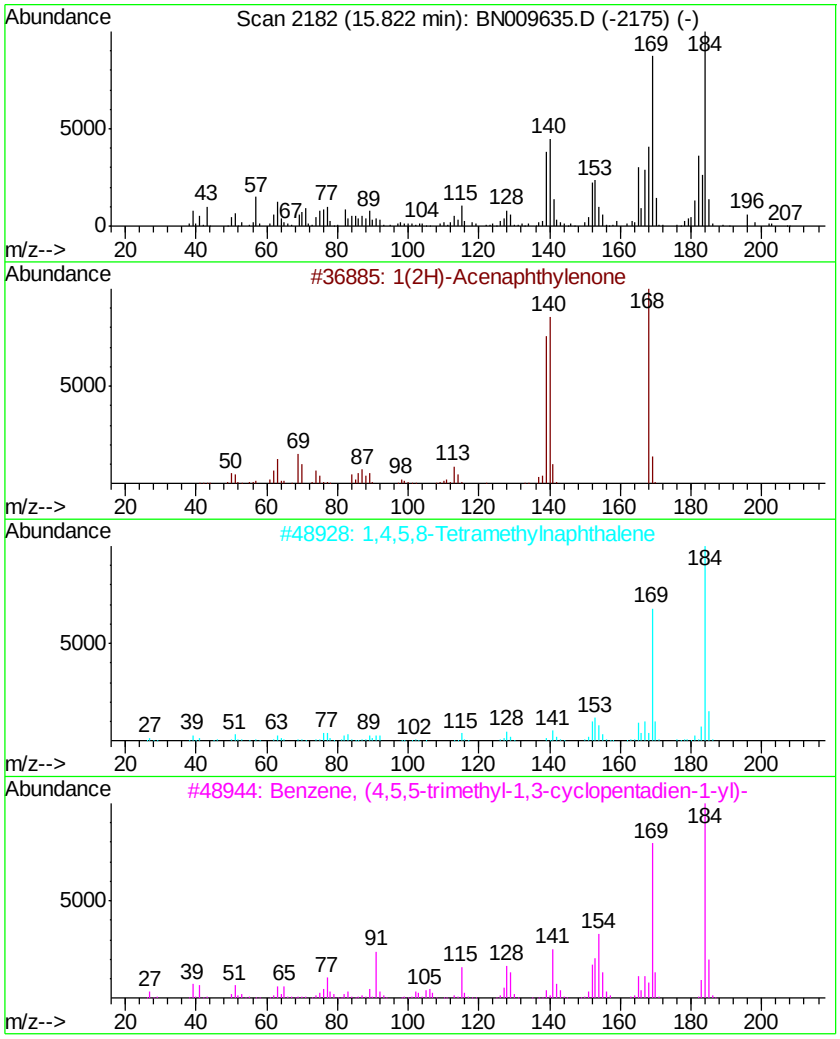
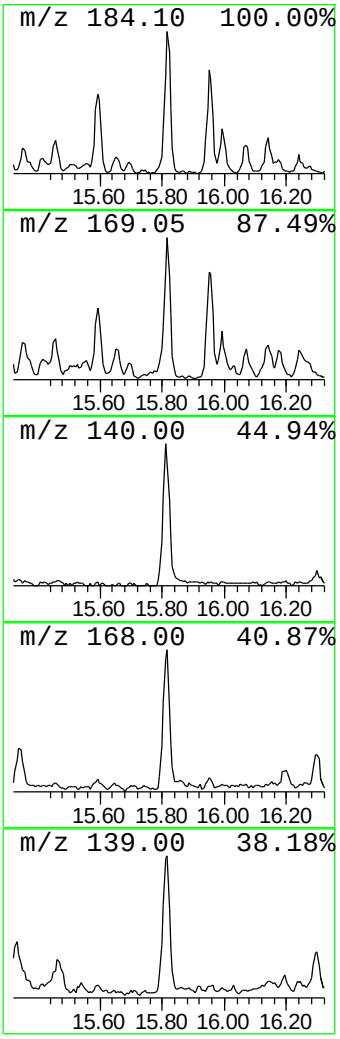
Peak Number 8 1(2H)-Acenaphthylenone Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	3.99 ng/ul	514444	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	60
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	55
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	49
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	49
5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	45





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Quant Title : SVOA CALIBRATION

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

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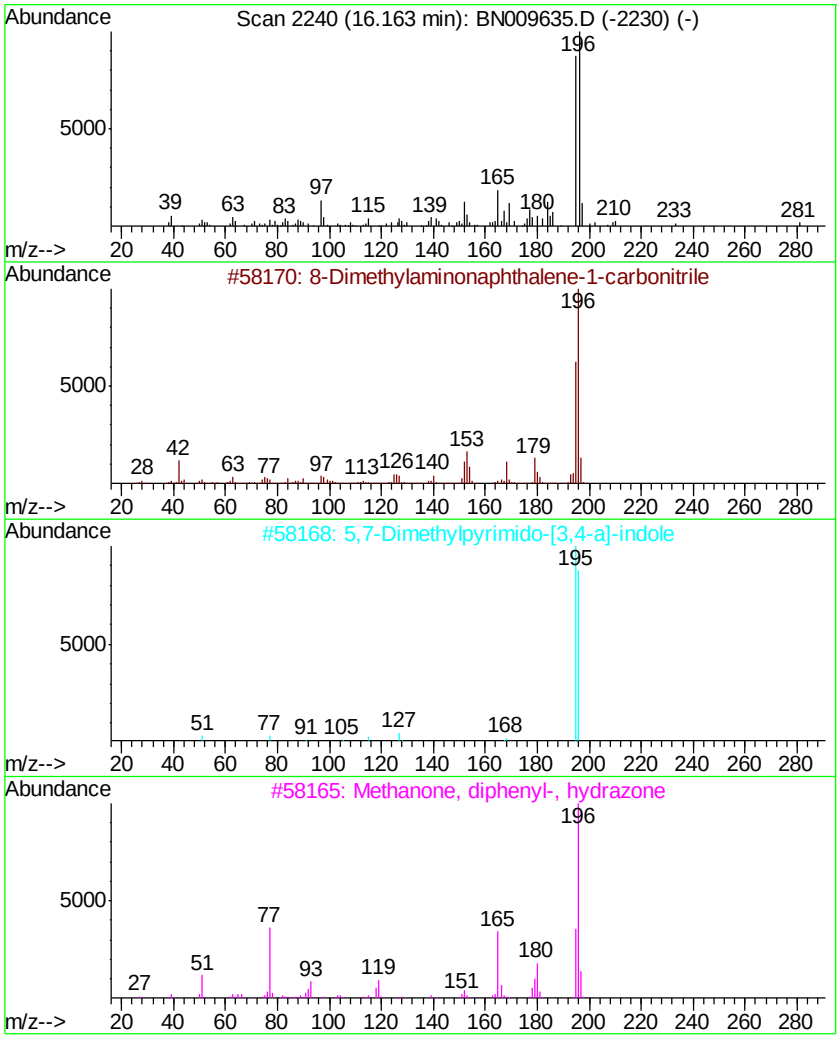
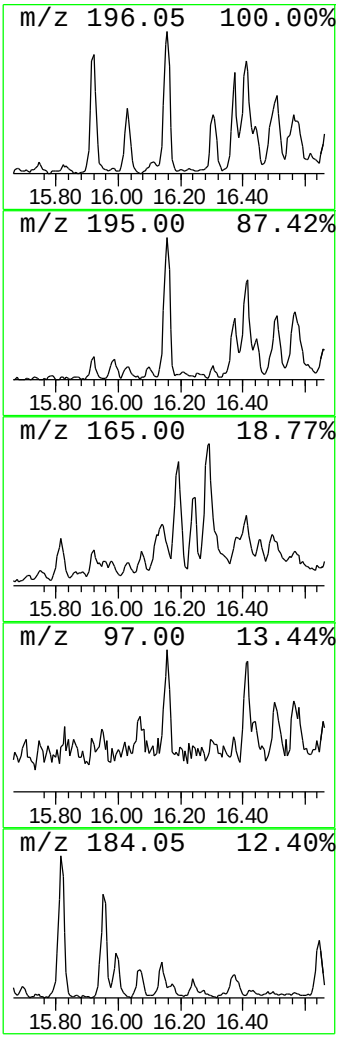
Peak Number 9 8-Dimethylaminonaphthalene-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	3.21 ng/ul	412873	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
3	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	46
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	46
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43





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Quant Title : SVOA CALIBRATION

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

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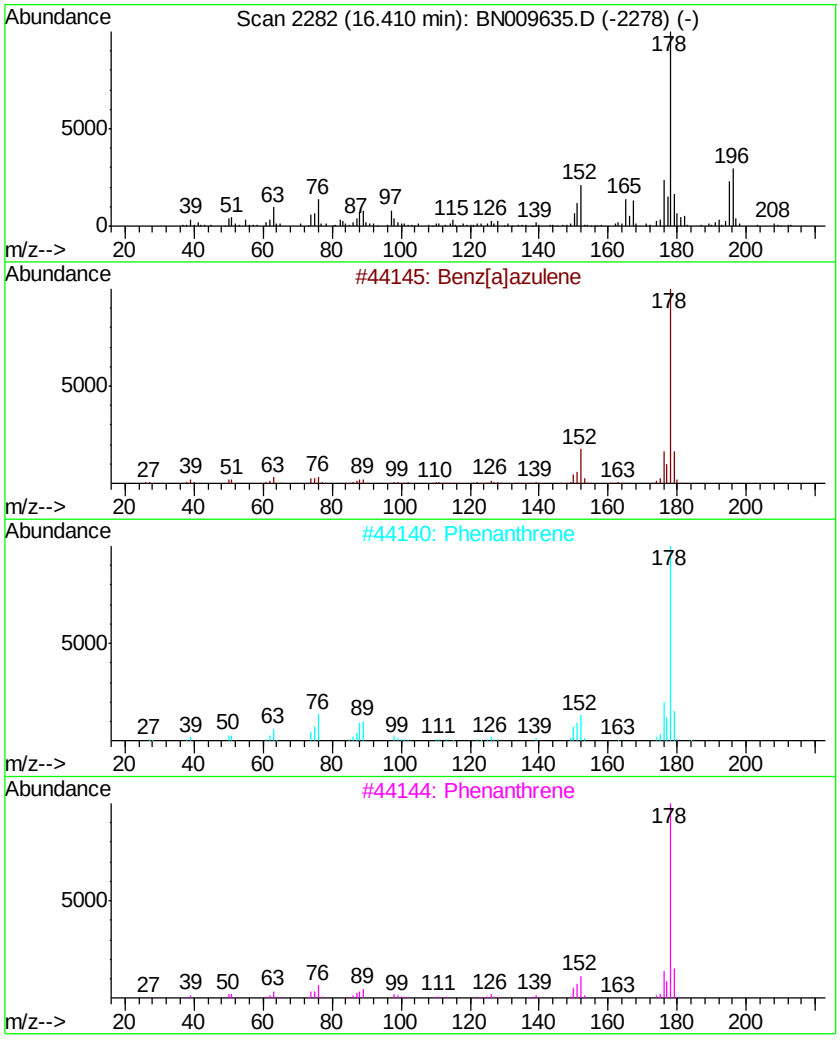
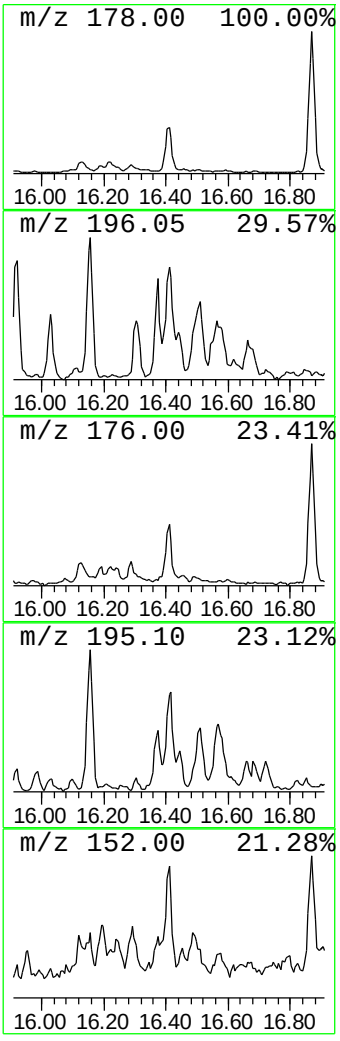
Peak Number 10 Benz[a]azulene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	3.38 ng/ul	435365	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]azulene	178	C14H10	000246-02-6	90
2	Phenanthrene	178	C14H10	000085-01-8	87
3	Phenanthrene	178	C14H10	000085-01-8	87
4	Phenanthrene	178	C14H10	000085-01-8	55
5	Diphenylacetylene	178	C14H10	000501-65-5	49





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Operator : CG/JU
Sample : L1324-14 10X
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Quant Title : SVOA CALIBRATION

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

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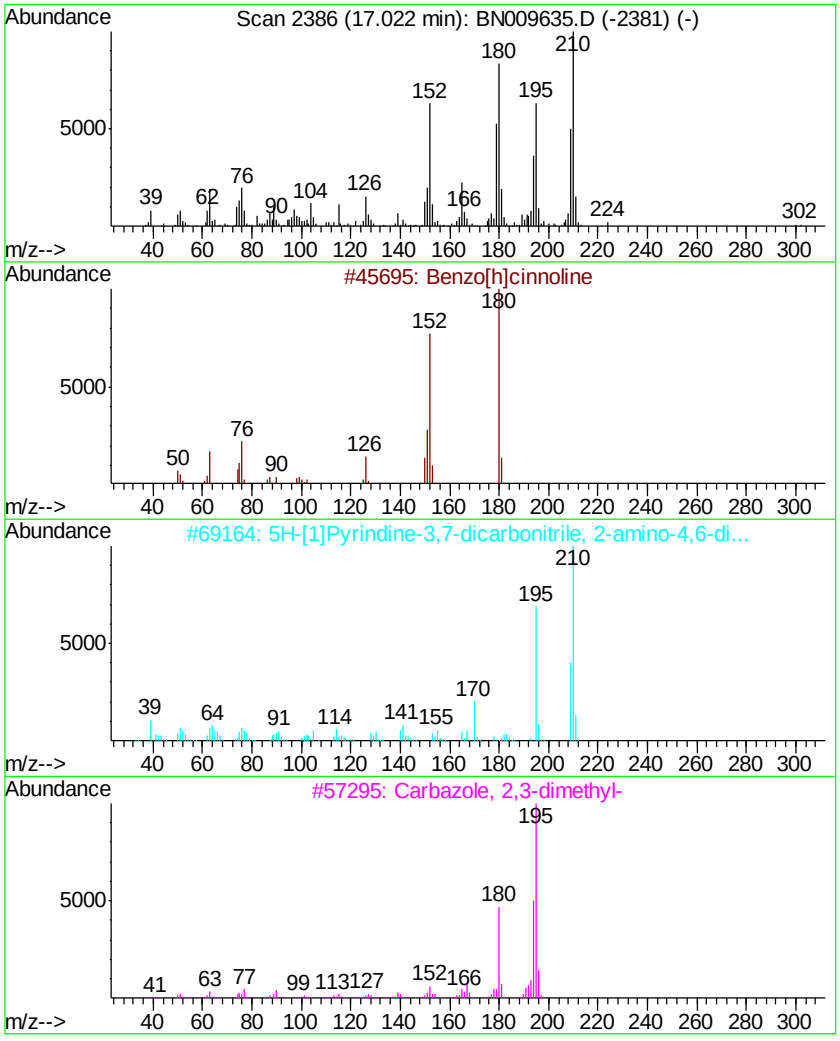
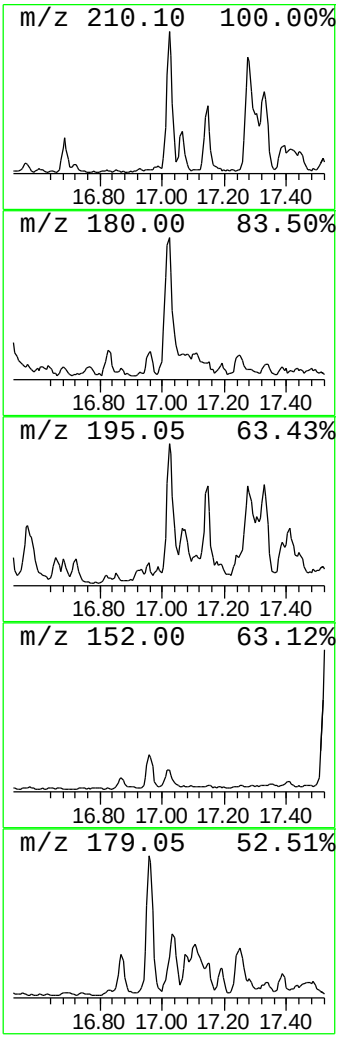
Peak Number 11 Benzo[h]cinnoline Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	5.55 ng/ul	714947	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	68
2	5H-[1]Pyrindine-3,7-dicarbonitri...	210	C12H10N4	1000302-80-0	46
3	Carbazole, 2,3-dimethyl-	195	C14H13N	018992-70-6	45
4	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	41
5	Benzofuran, 2,3-dihydro-2-methyl...	210	C15H14O	054965-07-0	38





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Quant Title : SVOA CALIBRATION

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

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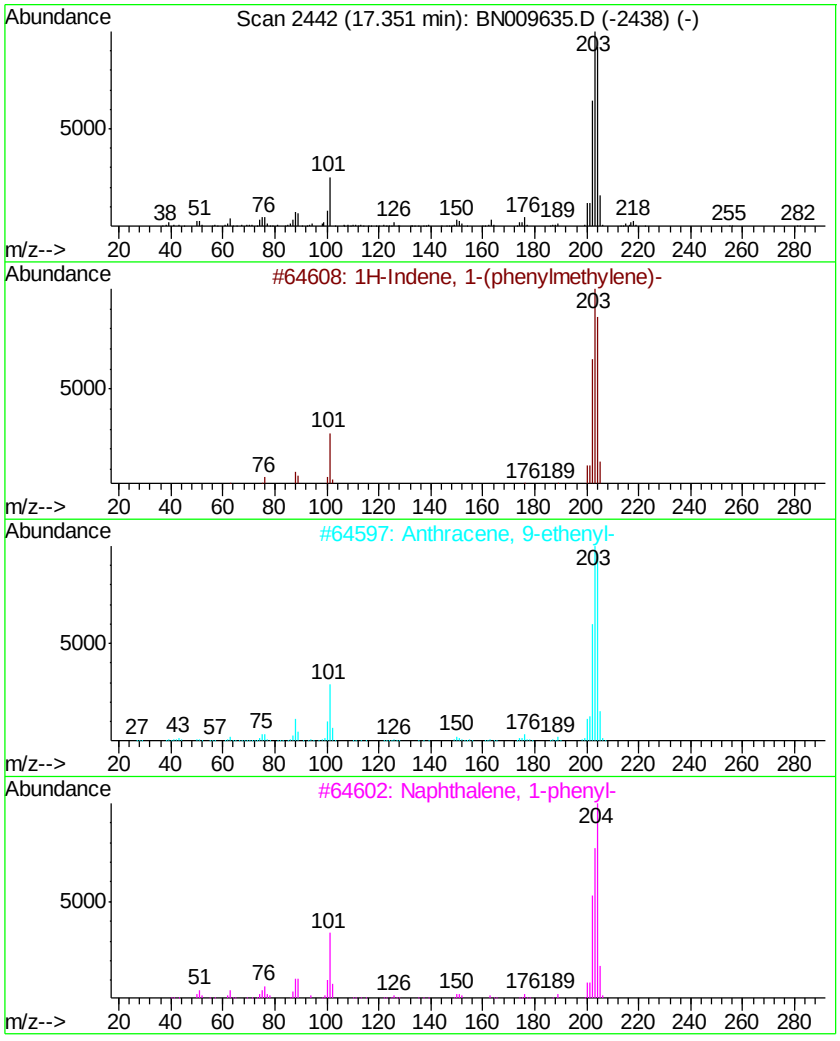
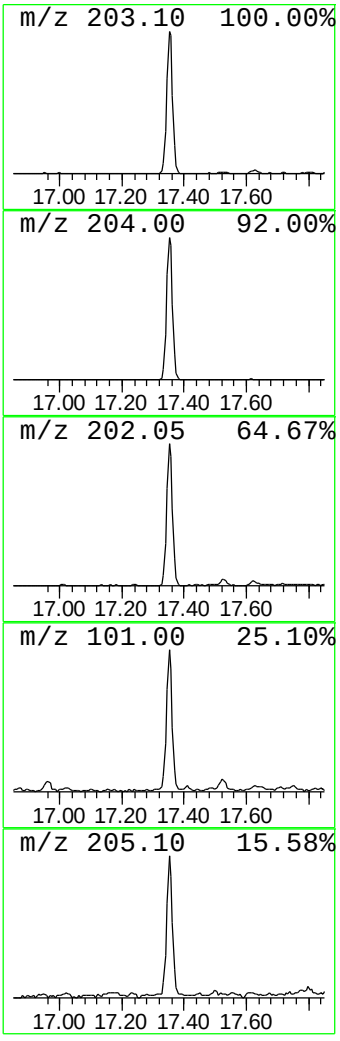
Peak Number 12 1H-Indene, 1-(phenylmethyle... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	6.33 ng/ul	815615	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	93
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	81
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	81
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





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Quant Title : SVOA CALIBRATION

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

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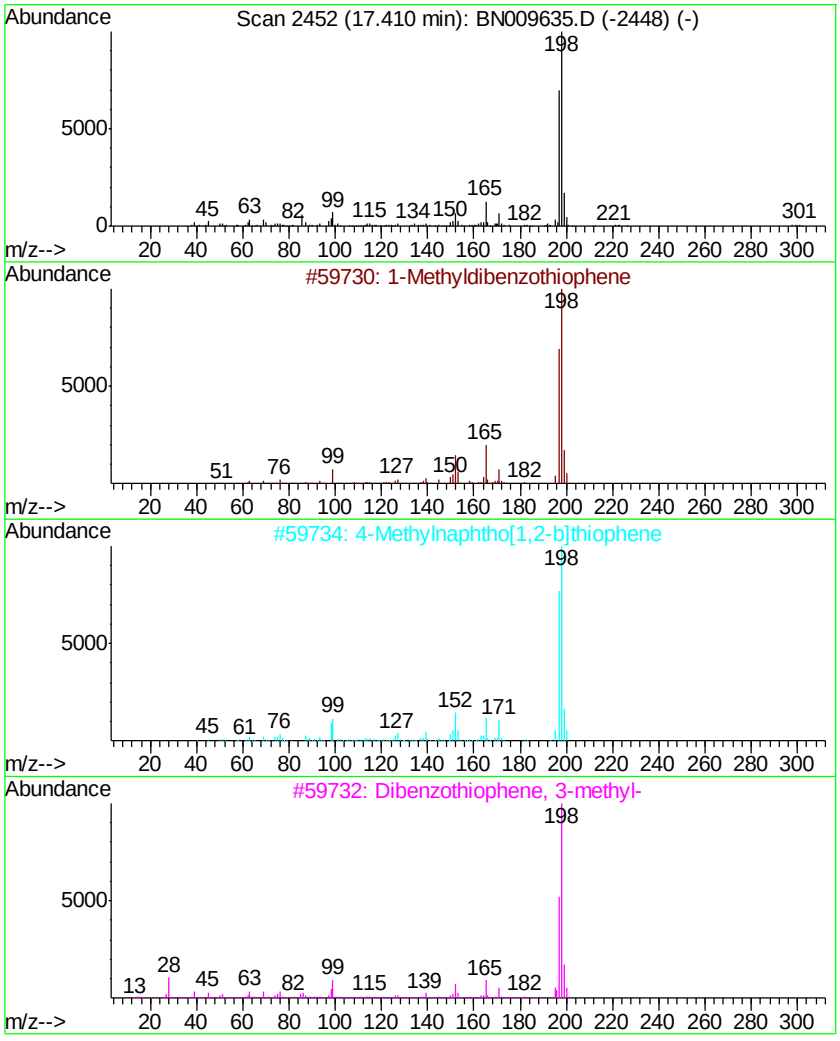
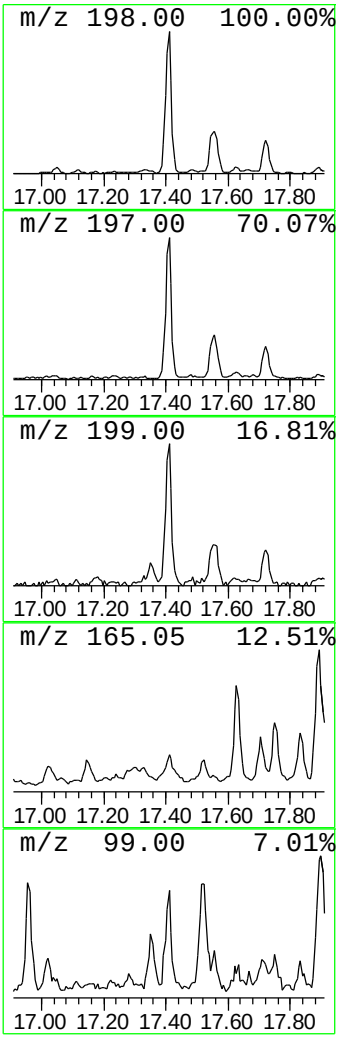
Peak Number 13 1-Methyldibenzothiophene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	4.17 ng/ul	537288	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	86
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72





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Quant Title : SVOA CALIBRATION

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

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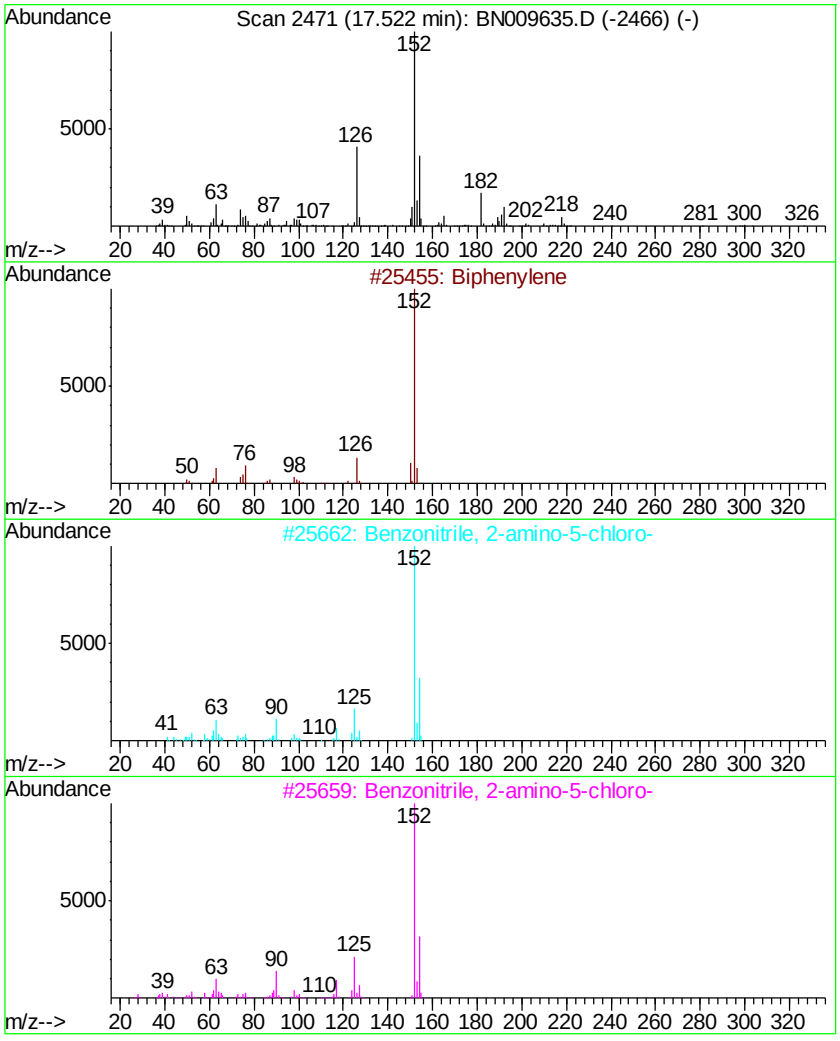
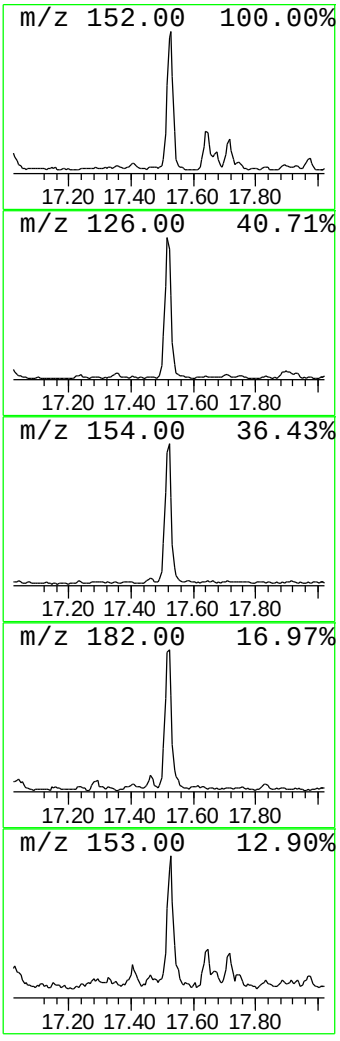
Peak Number 14 Biphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	10.87 ng/ul	1400260	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	52
2	Benzonitrile, 2-amino-5-chloro-	152	C7H5ClN2	005922-60-1	49
3	Benzonitrile, 2-amino-5-chloro-	152	C7H5ClN2	005922-60-1	47
4	4-Amino-2-chlorobenzonitrile	152	C7H5ClN2	020925-27-3	46
5	Acenaphthylene	152	C12H8	000208-96-8	43





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Quant Title : SVOA CALIBRATION

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

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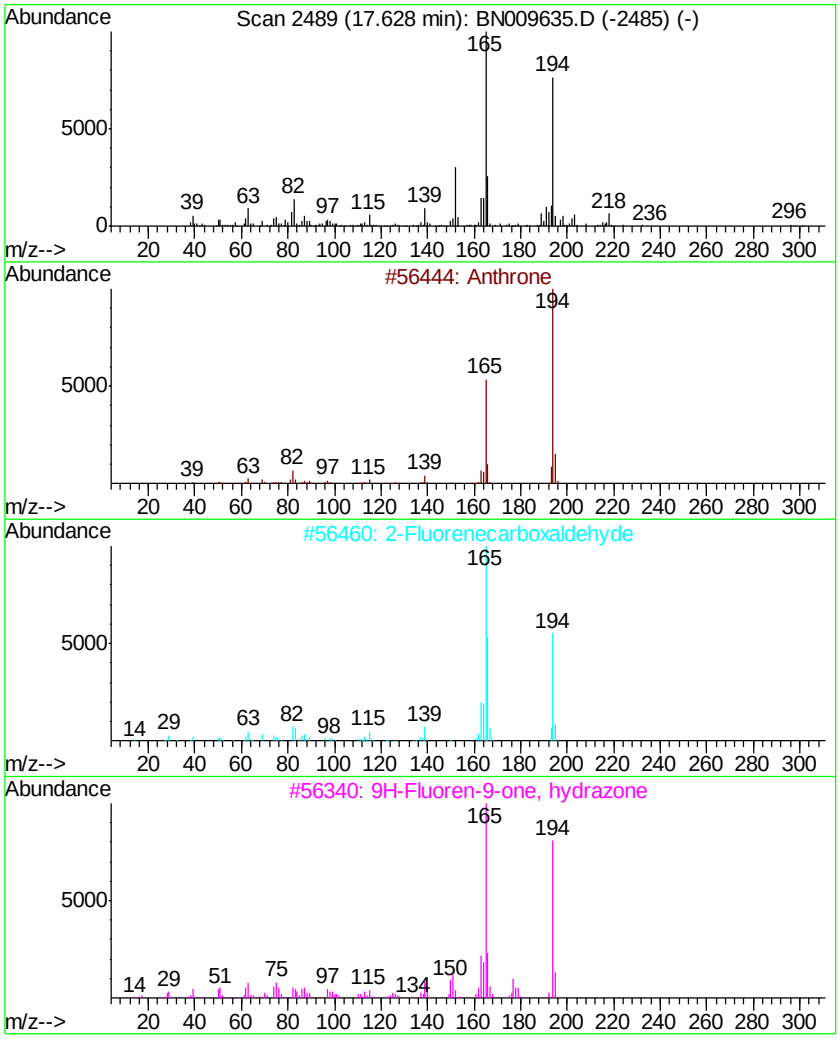
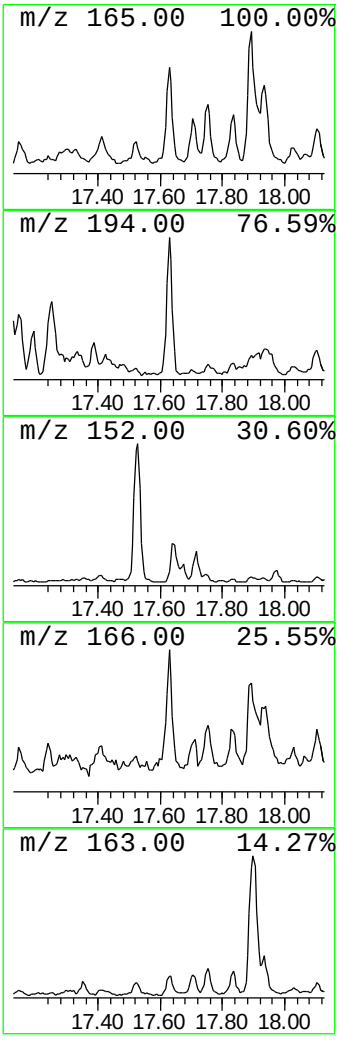
Peak Number 15 Anthrone Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	3.92 ng/ul	505250	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	64
2	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	60
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	52
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	52
5	1-Phenanthrenol	194	C14H10O	002433-56-9	52





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Quant Title : SVOA CALIBRATION

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

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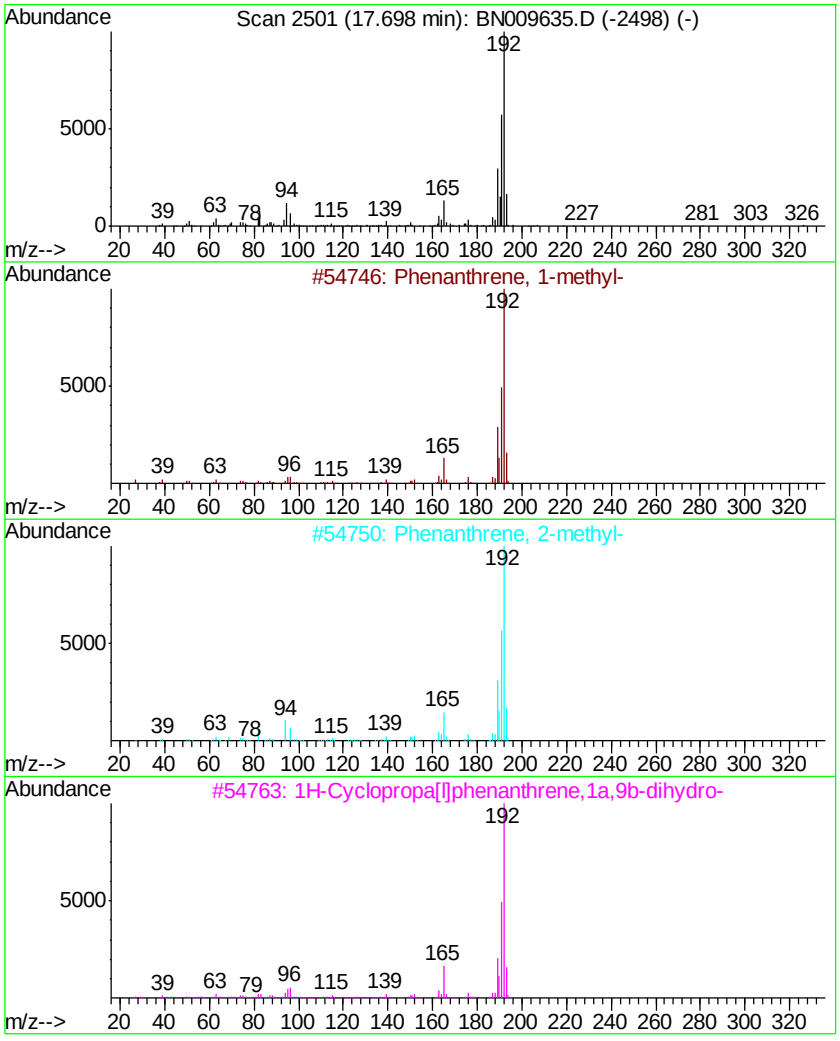
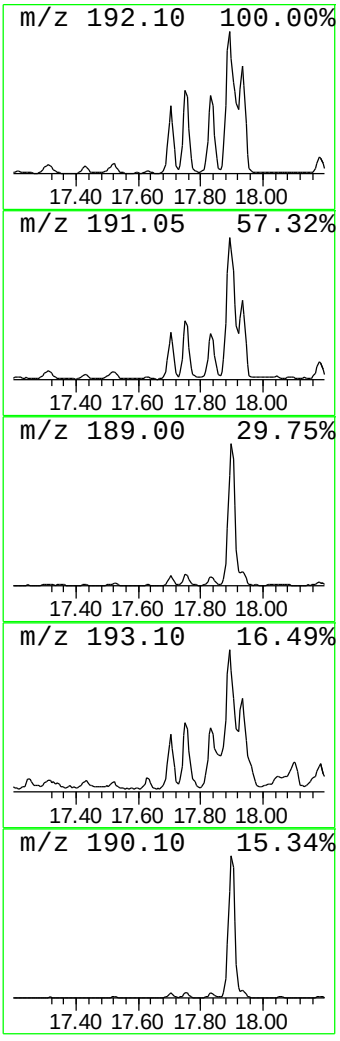
Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	5.89 ng/ul	759117	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Misc :
ALS Vial : 30 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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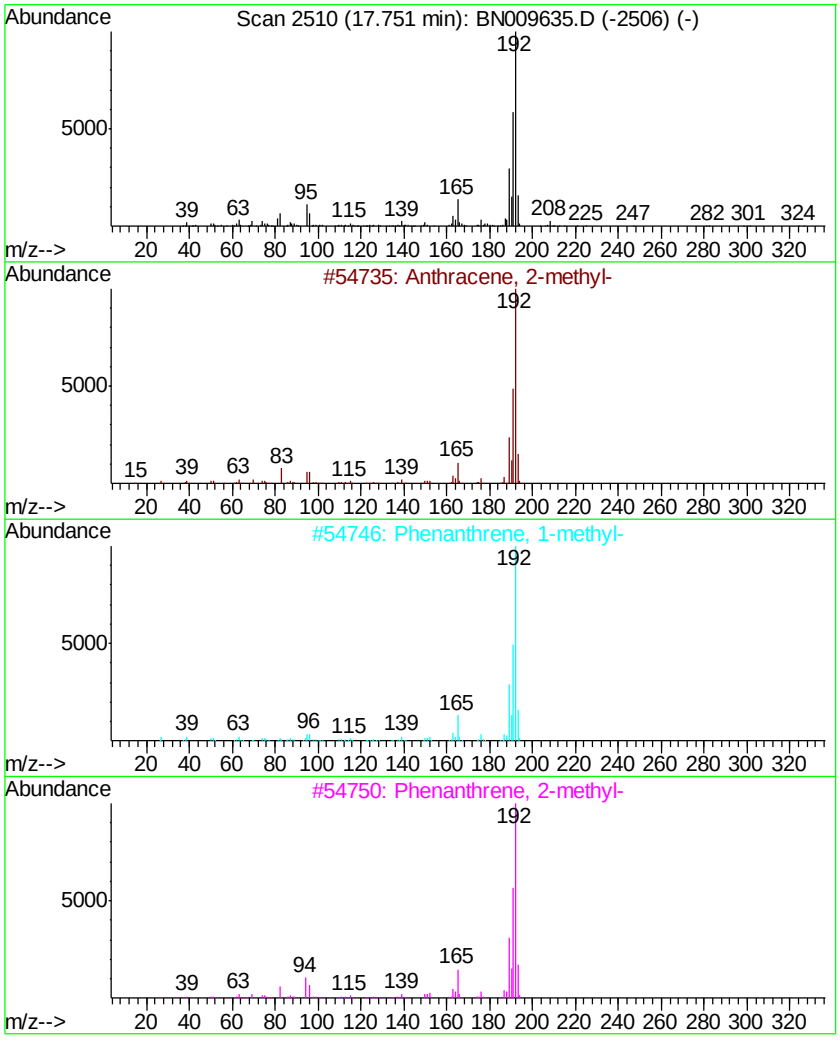
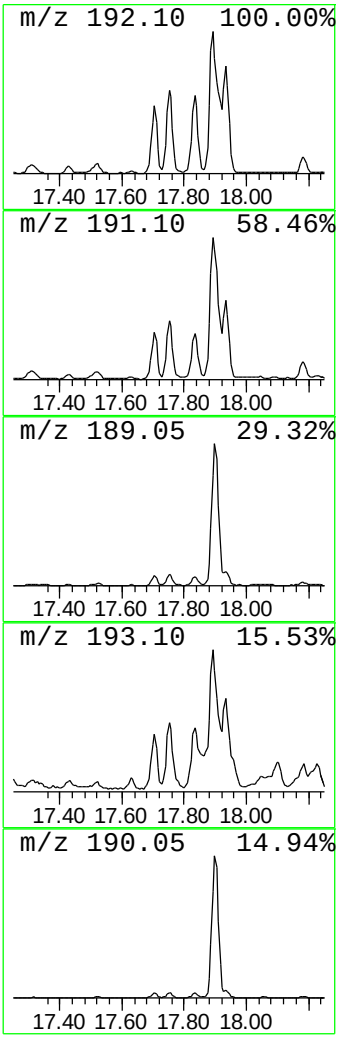
Peak Number 17 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	8.20 ng/ul	1056640	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : L1324-14 10X
Misc :
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Instrument : BNA_N
ClientSampleId : GAT69

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Quant Title : SVOA CALIBRATION

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

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Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	7.02 ng/ul	903852	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
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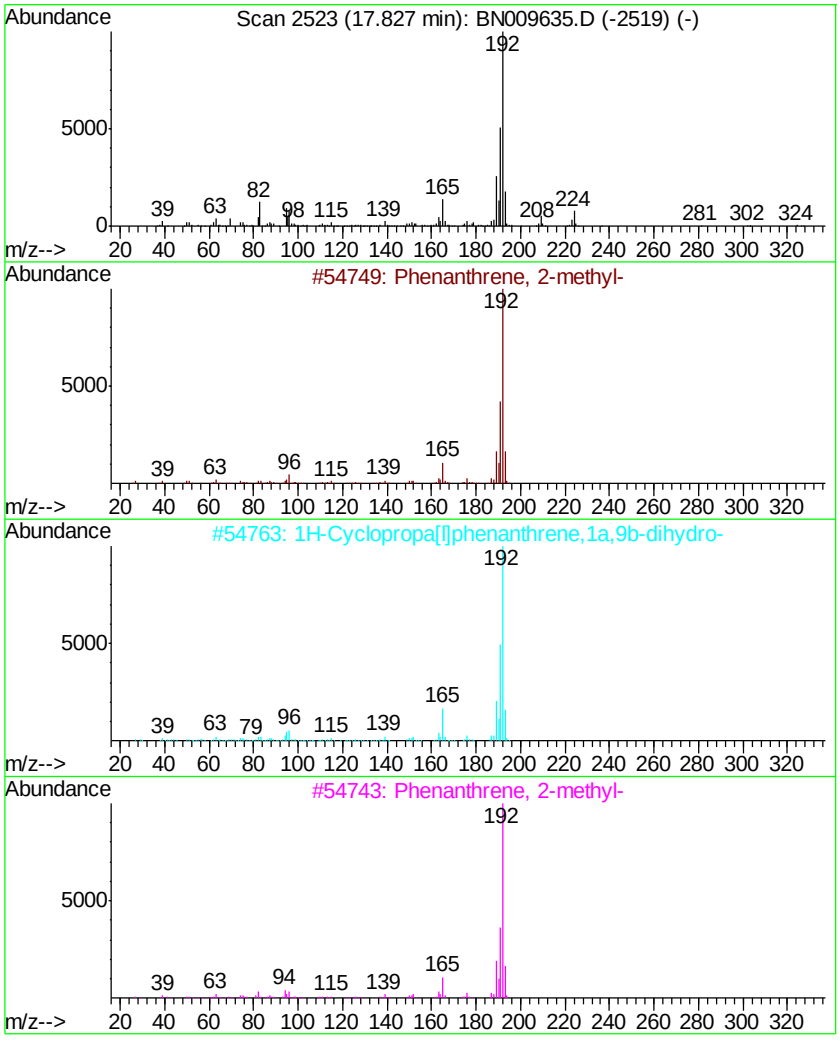

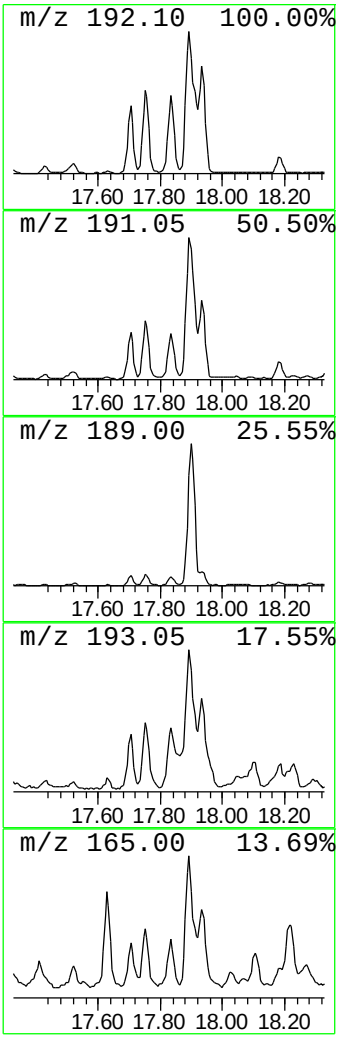

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Quant Title : SVOA CALIBRATION

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

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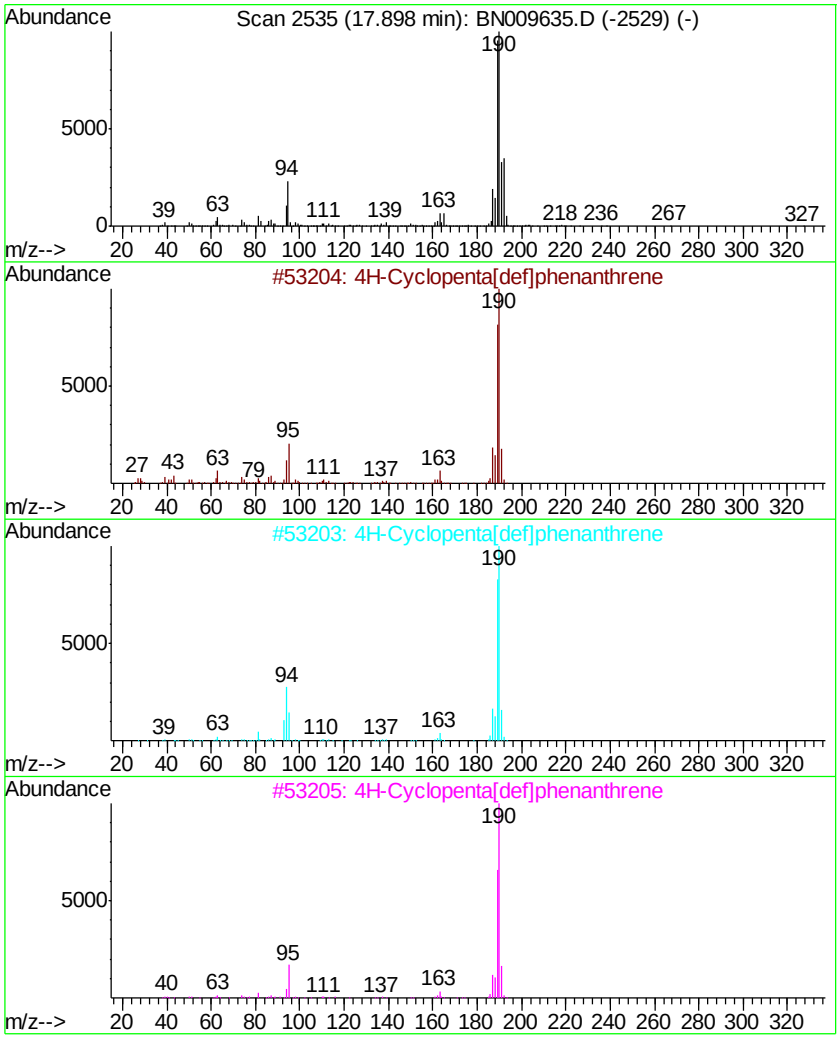
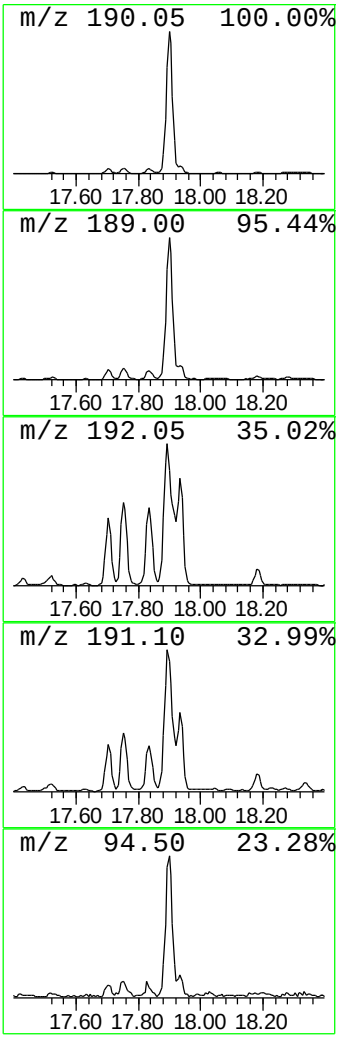
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	45.61 ng/ul	5873740	Phenanthrene-d10	16.83

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	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





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ALS Vial : 30 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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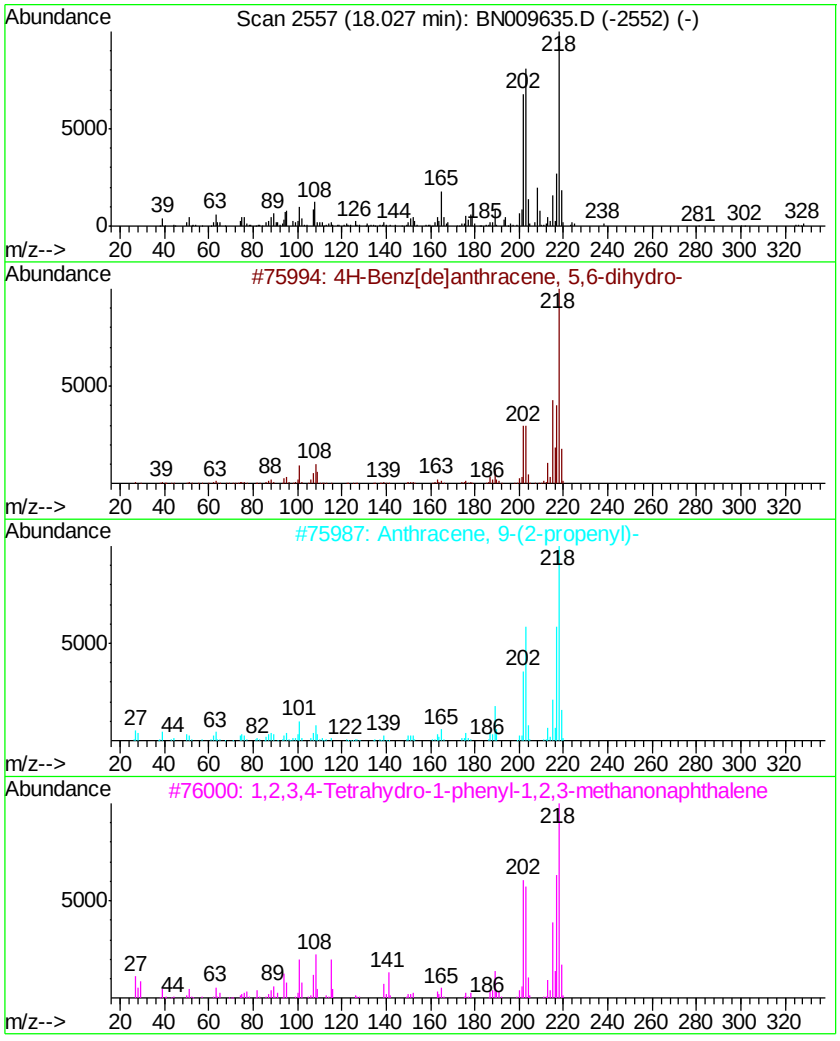
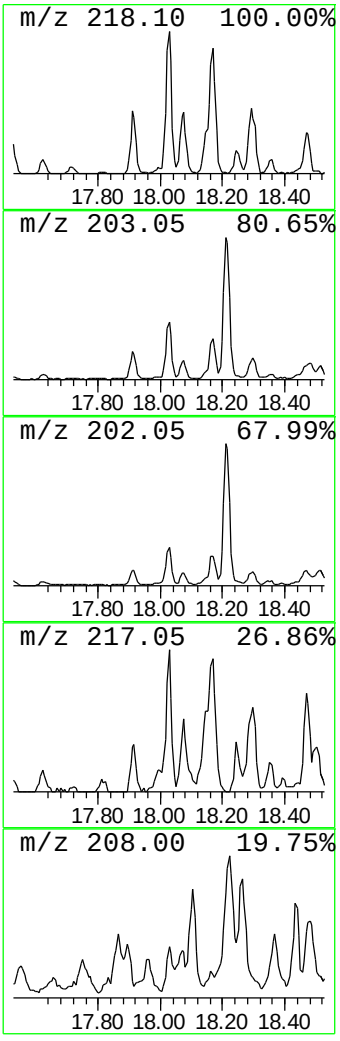
Peak Number 21 4H-Benz[de]anthracene, 5,6-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	3.36 ng/ul	432811	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	89
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	70
3	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	68
4	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	64
5	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	50





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Misc :
ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId : GAT69

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Quant Title : SVOA CALIBRATION

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

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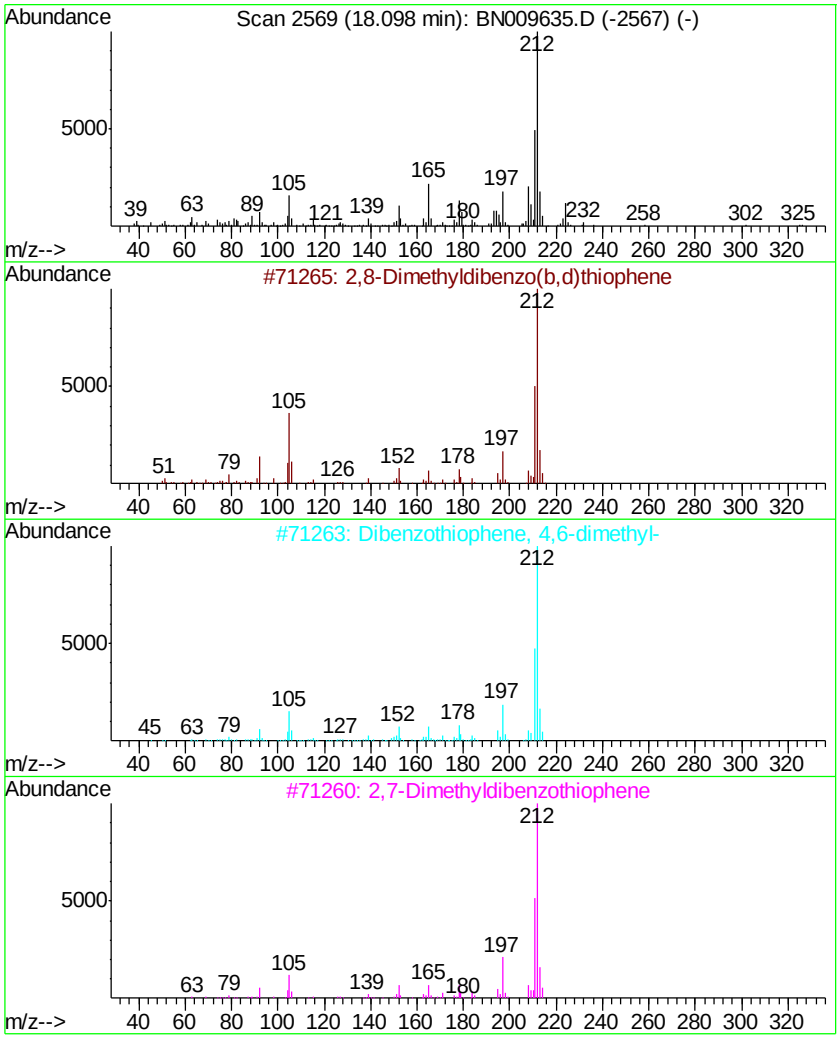
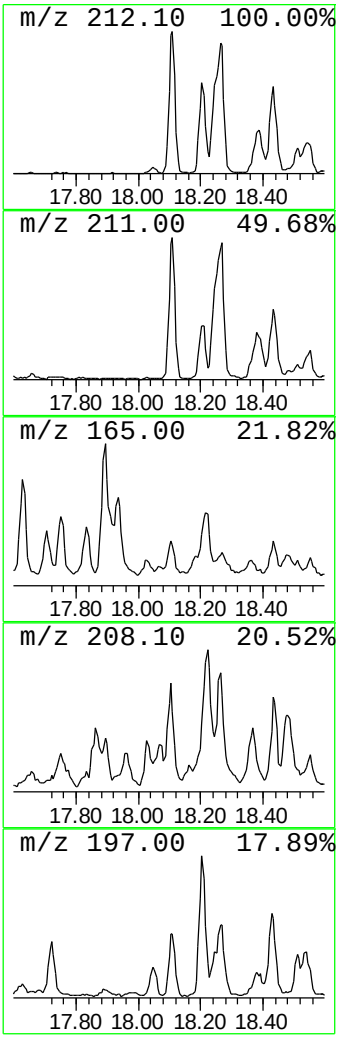
Peak Number 22 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	4.07 ng/ul	524221	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	94
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	91
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	90
4	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	90
5	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	87





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Quant Title : SVOA CALIBRATION

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

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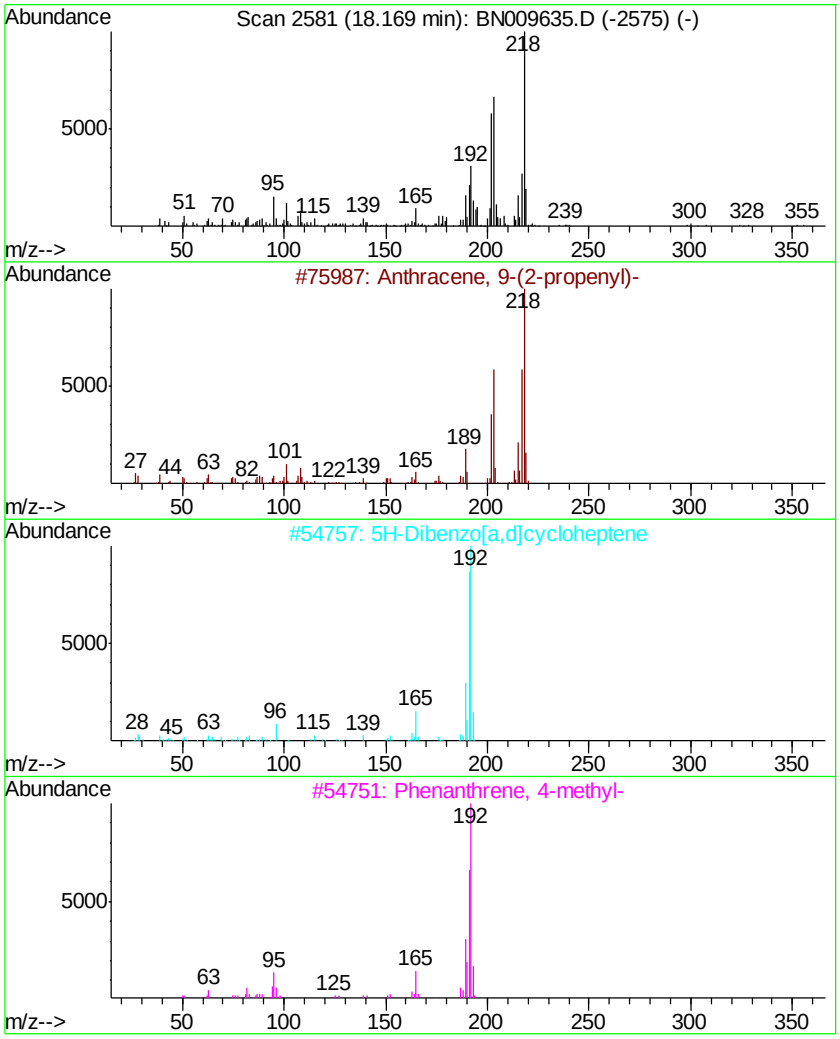
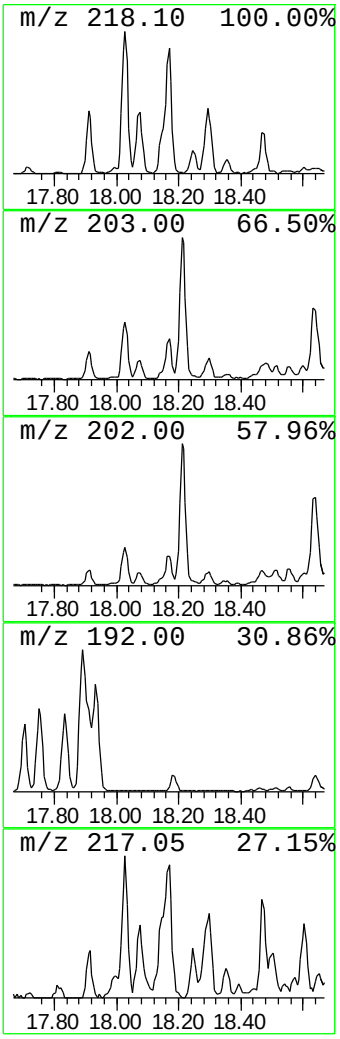
Peak Number 23 Anthracene, 9-(2-propenyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.74 ng/ul	482323	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	42





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Quant Title : SVOA CALIBRATION

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

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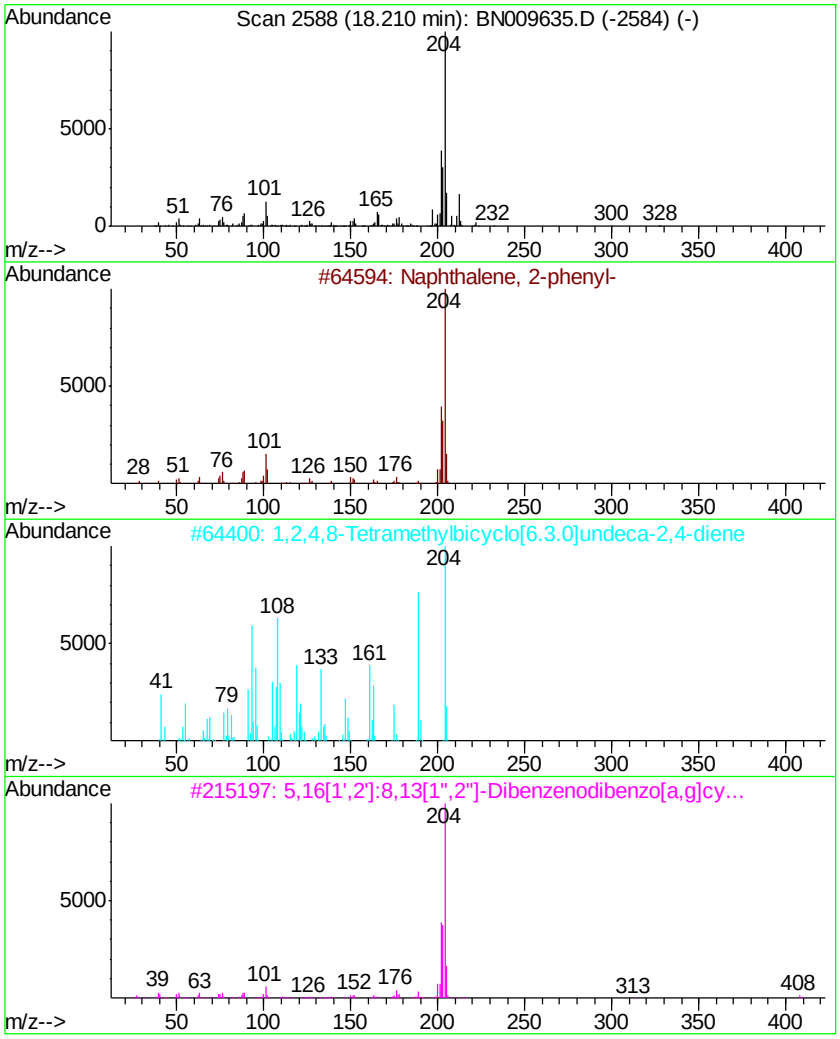
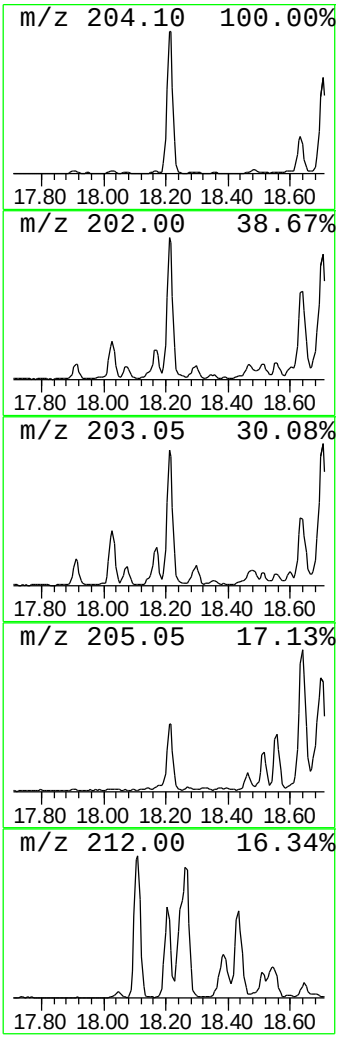
Peak Number 24 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	15.21 ng/ul	1958770	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Quant Title : SVOA CALIBRATION

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

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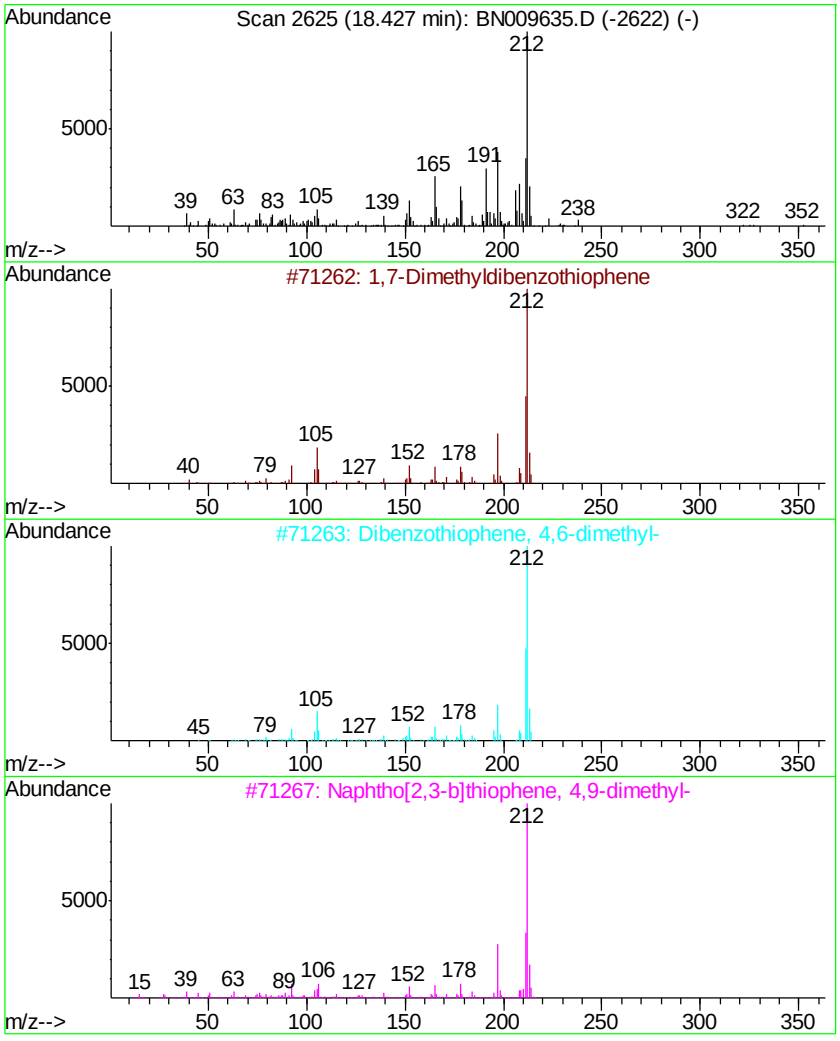
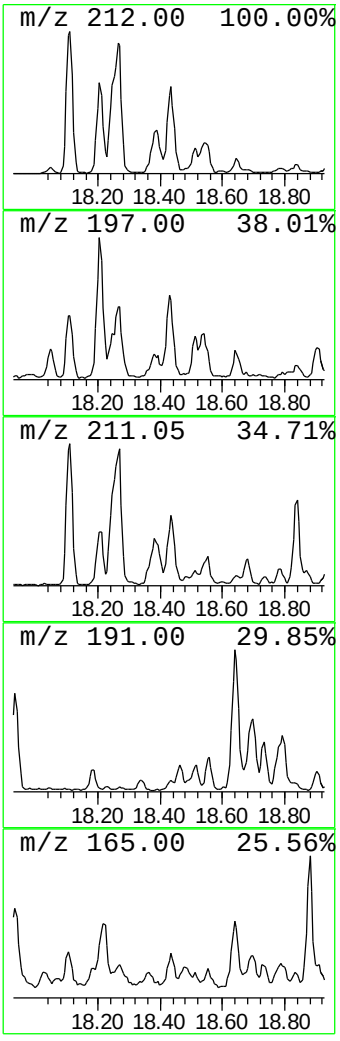
Peak Number 26 1,7-Dimethyldibenzothiophene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.30 ng/ul	553324	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	83
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	64
3	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	62
4	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	49
5	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	45





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Quant Title : SVOA CALIBRATION

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

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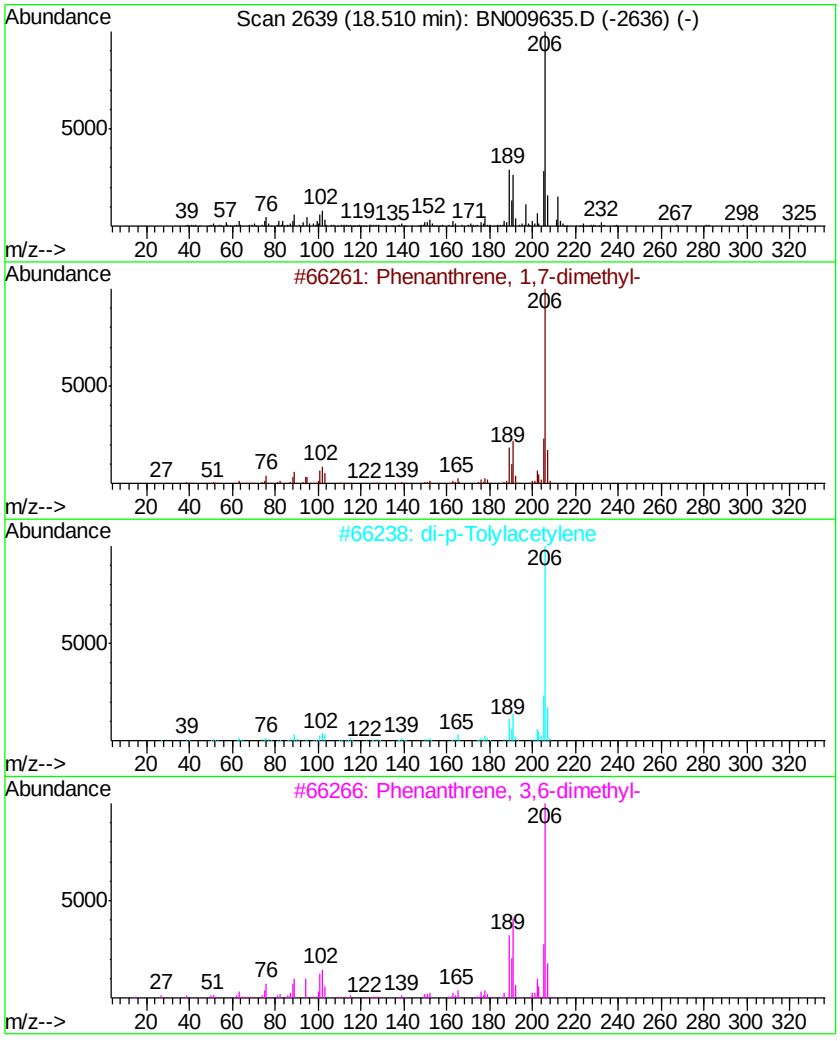
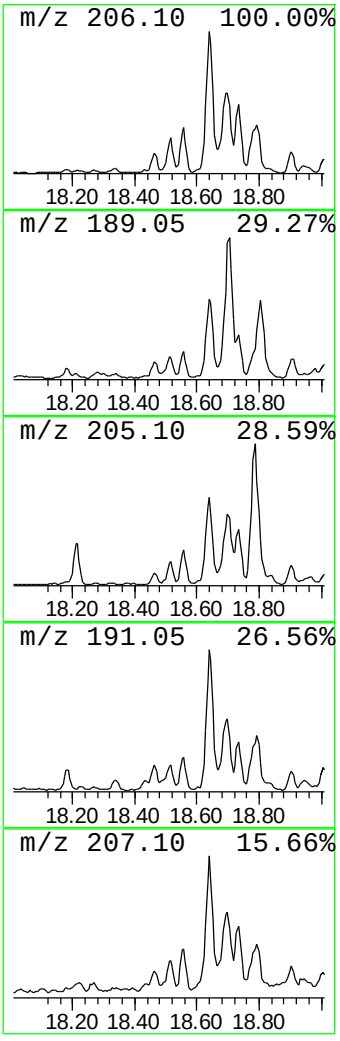
Peak Number 27 Phenanthrene, 1,7-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	3.25 ng/ul	417993	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76





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Quant Title : SVOA CALIBRATION

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

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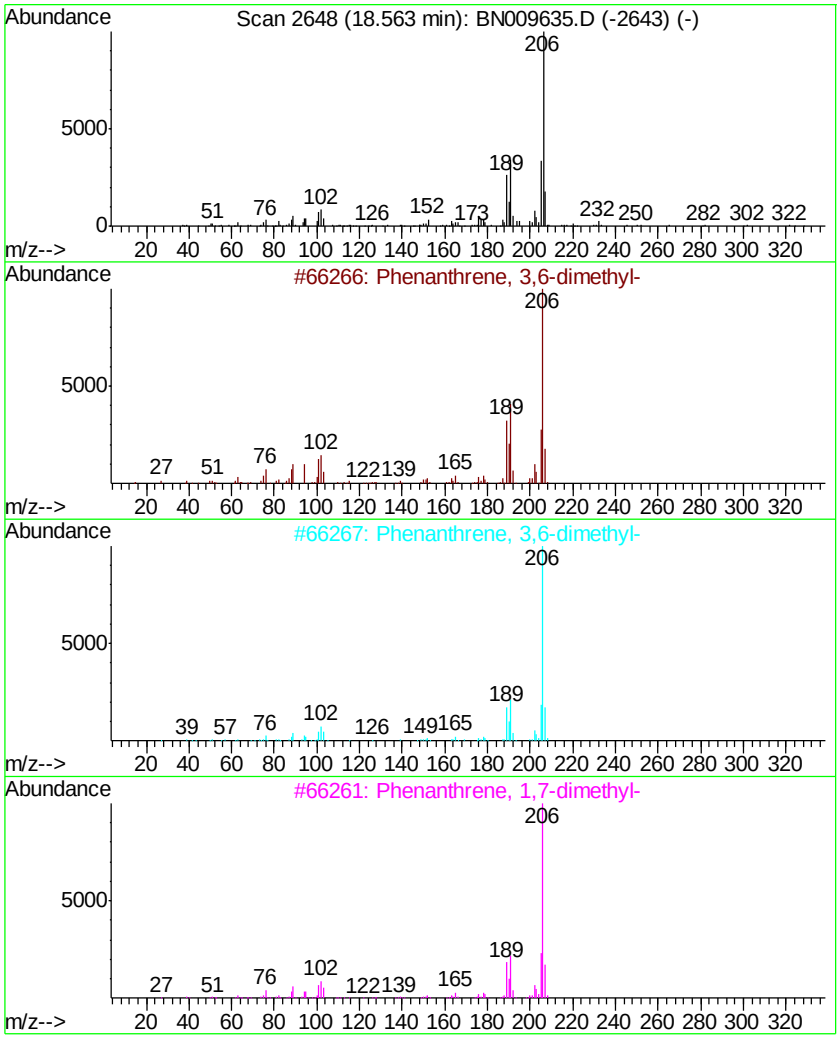
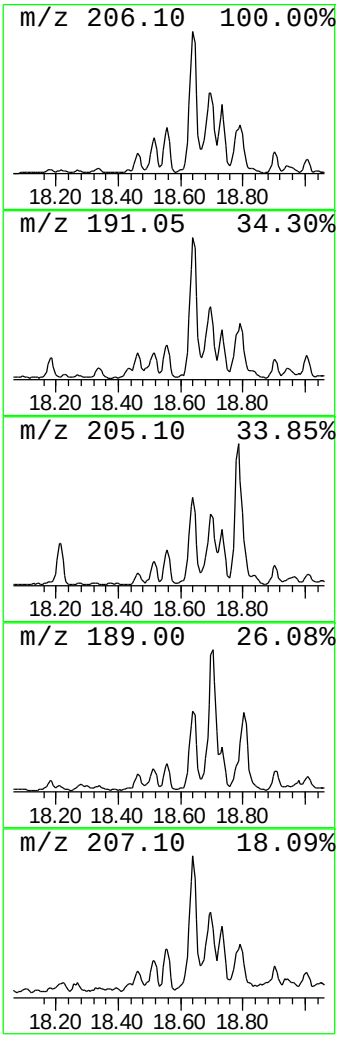
Peak Number 28 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	6.77 ng/ul	872179	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Quant Title : SVOA CALIBRATION

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

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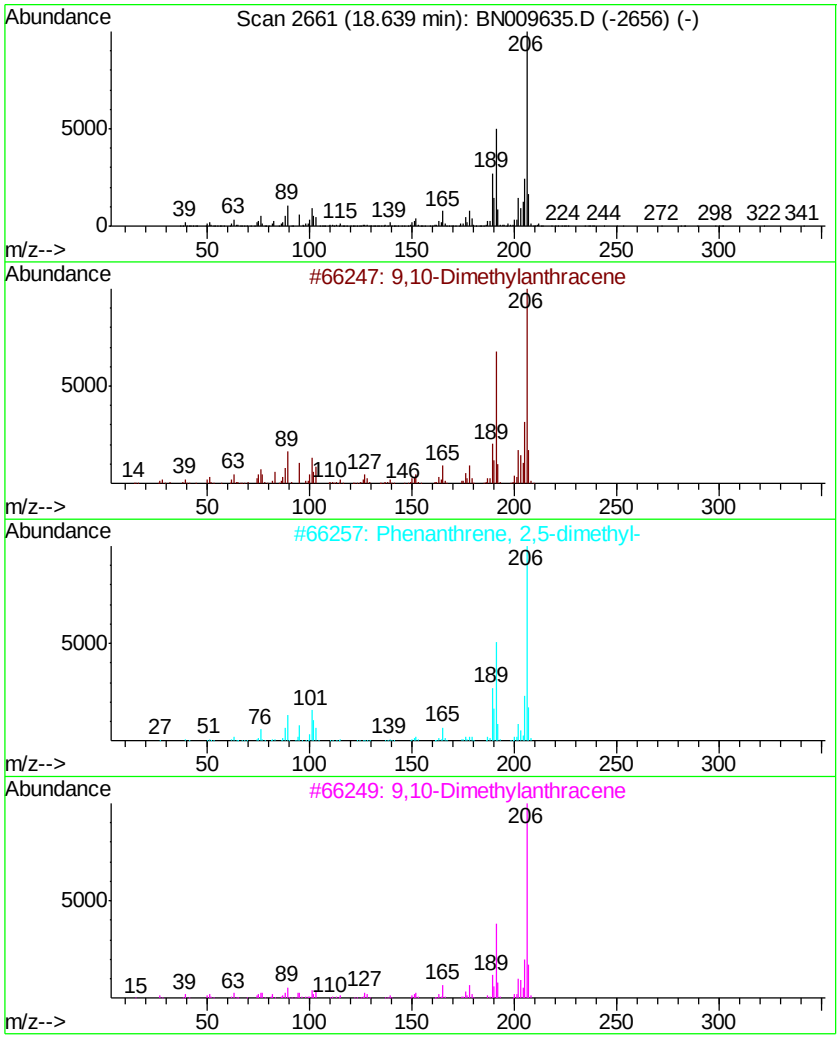
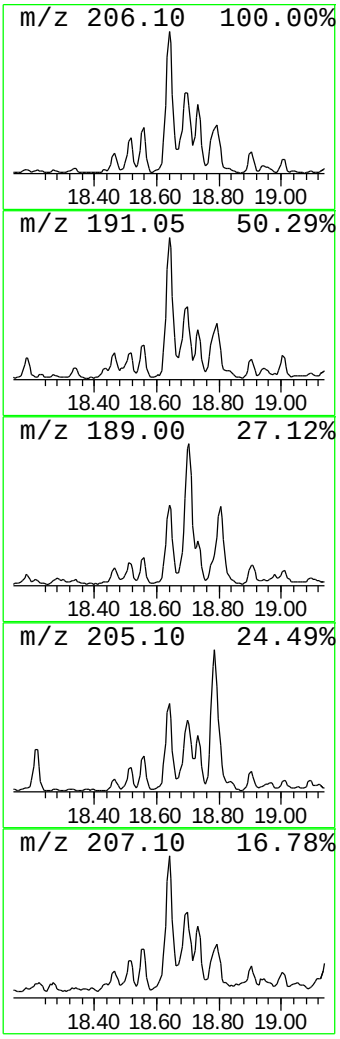
Peak Number 29 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	24.24 ng/ul	3121850	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Quant Title : SVOA CALIBRATION

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

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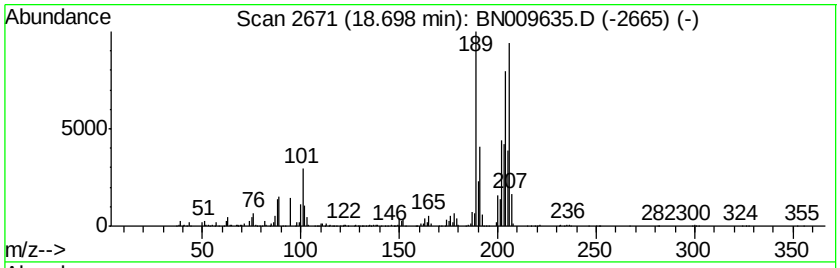
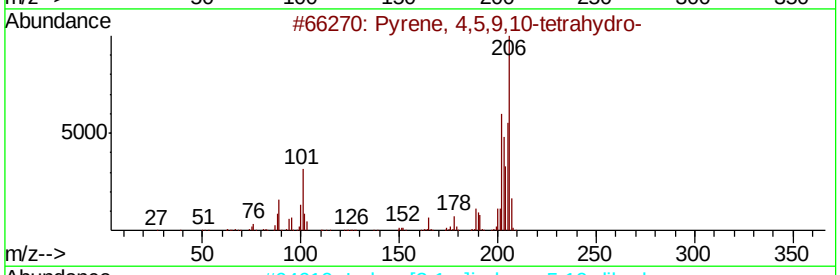
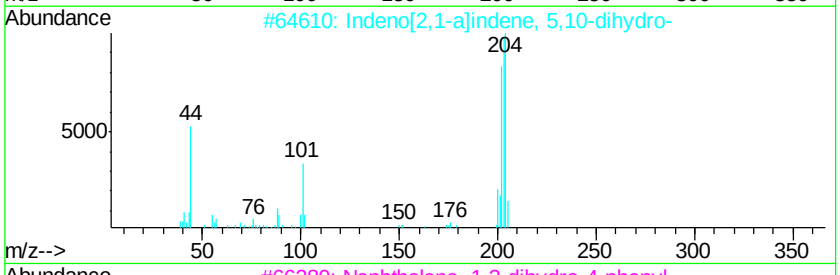
Peak Number 30 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 4

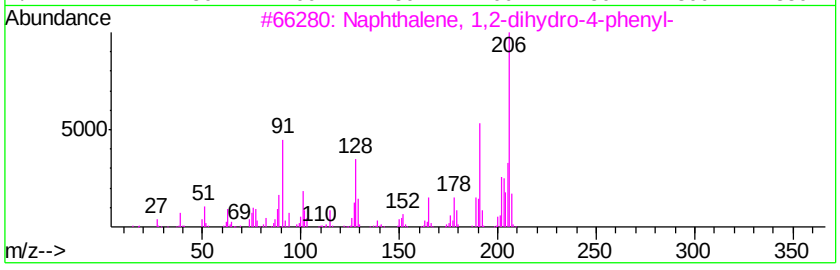
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	23.19 ng/ul	2987350	Phenanthrene-d10	16.83

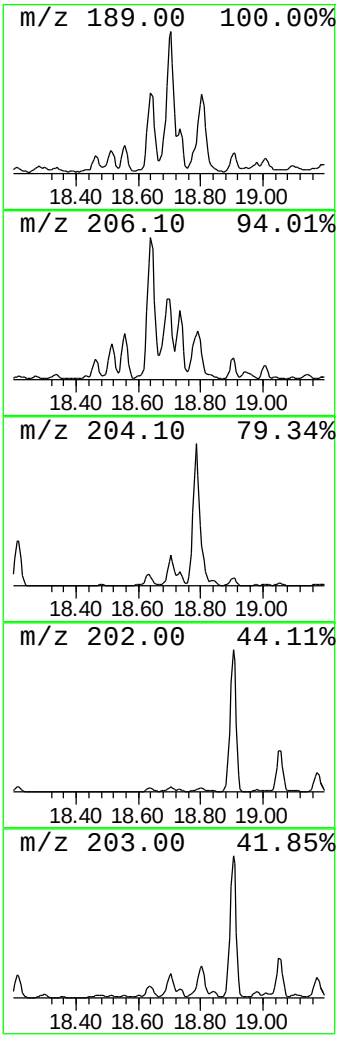
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	70
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	42
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42











Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009635.D
Acq On : 07 Feb 2020 07:11
Operator : CG/JU
Sample : L1324-14 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Propyne, 3-phenyl-	7.96	6.7	ng/ul	446179	1	7.43	1330450	20.0
1,4-Methanonaphth...	11.71	7.8	ng/ul	740778	2	10.19	1894830	20.0
3-Hydroxybiphenyl	14.69	4.9	ng/ul	582712	3	14.07	2371170	20.0
Fluorene-9-methanol	14.95	4.4	ng/ul	518612	3	14.07	2371170	20.0
1,1'-Biphenyl, 3-...	15.26	4.4	ng/ul	523579	3	14.07	2371170	20.0
unknown-01	15.33	6.3	ng/ul	744929	3	14.07	2371170	20.0
unknown-02	15.46	3.4	ng/ul	439255	4	16.83	2575920	20.0
1(2H)-Acenaphthyl...	15.82	4.0	ng/ul	514444	4	16.83	2575920	20.0
8-Dimethylaminona...	16.16	3.2	ng/ul	412873	4	16.83	2575920	20.0
Benz[a]azulene	16.41	3.4	ng/ul	435365	4	16.83	2575920	20.0
Benzo[h]cinnoline	17.02	5.5	ng/ul	714947	4	16.83	2575920	20.0
1H-Indene, 1-(phe...	17.35	6.3	ng/ul	815615	4	16.83	2575920	20.0
1-Methyldibenzoth...	17.41	4.2	ng/ul	537288	4	16.83	2575920	20.0
Biphenylene	17.52	10.9	ng/ul	1400260	4	16.83	2575920	20.0
Anthrone	17.63	3.9	ng/ul	505250	4	16.83	2575920	20.0
Phenanthrene, 1-m...	17.70	5.9	ng/ul	759117	4	16.83	2575920	20.0
Anthracene, 2-met...	17.75	8.2	ng/ul	1056640	4	16.83	2575920	20.0
Phenanthrene, 2-m...	17.83	7.0	ng/ul	903852	4	16.83	2575920	20.0
4H-Cyclopenta[def...	17.90	45.6	ng/ul	5873740	4	16.83	2575920	20.0
4H-Benz[de]anthra...	18.03	3.4	ng/ul	432811	4	16.83	2575920	20.0
2,8-Dimethyldiben...	18.10	4.1	ng/ul	524221	4	16.83	2575920	20.0
Anthracene, 9-(2-...	18.17	3.7	ng/ul	482323	4	16.83	2575920	20.0
Naphthalene, 2-ph...	18.21	15.2	ng/ul	1958770	4	16.83	2575920	20.0
1,7-Dimethyldiben...	18.43	4.3	ng/ul	553324	4	16.83	2575920	20.0
Phenanthrene, 1,7...	18.51	3.3	ng/ul	417993	4	16.83	2575920	20.0
Phenanthrene, 3,6...	18.56	6.8	ng/ul	872179	4	16.83	2575920	20.0
9,10-Dimethylanth...	18.64	24.2	ng/ul	3121850	4	16.83	2575920	20.0
Pyrene, 4,5,9,10-...	18.70	23.2	ng/ul	2987350	4	16.83	2575920	20.0