LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009706.D
Acq On : 11 Feb 2020 15:50
Operator : CG/JU
Sample : L1324-14 10X
Misc :
ALS Vial : 7 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	7.416	746	753	764	rBV	1062850	1712970	4.16%	0.504%
2	7.946	835	843	855	rBV	331016	616370	1.50%	0.181%
3	10.169	1212	1221	1226	rBV	1530764	2520091	6.11%	0.741%
4	11.698	1467	1481	1495	rVB	333920	1113472	2.70%	0.328%
5	13.510	1779	1789	1796	rBV2	767525	1355390	3.29%	0.399%
6	13.781	1825	1835	1848	rBV	3368639	5448281	13.22%	1.603%
7	14.063	1877	1883	1891	rVV	2070856	3091011	7.50%	0.909%
8	14.687	1982	1989	1994	rBV3	375417	796706	1.93%	0.234%
9	14.945	2028	2033	2038	rVB	478084	690160	1.67%	0.203%
10	15.245	2078	2084	2091	rBV2	397999	657802	1.60%	0.194%
11	15.322	2092	2097	2108	rVV2	325552	971361	2.36%	0.286%
12	15.457	2110	2120	2128	rVB4	232010	653281	1.58%	0.192%
13	15.810	2174	2180	2184	rBV	419762	693201	1.68%	0.204%
14	16.404	2277	2281	2285	rVB2	394348	568144	1.38%	0.167%
15	16.822	2346	2352	2356	rBV	2412598	3346232	8.12%	0.984%
16	16.857	2356	2358	2362	rVV	517252	623524	1.51%	0.183%
17	16.951	2370	2374	2380	rVB	2159841	2938275	7.13%	0.864%
18	17.016	2380	2385	2391	rBV4	542756	970991	2.36%	0.286%
19	17.345	2437	2441	2445	rVB	918542	1129789	2.74%	0.332%
20	17.398	2447	2450	2459	rVB2	401426	677827	1.64%	0.199%
21	17.516	2465	2470	2480	rVB	1207664	1961479	4.76%	0.577%
22	17.628	2484	2489	2493	rBV3	363667	619936	1.50%	0.182%
23	17.698	2497	2501	2505	rVV2	731810	1072158	2.60%	0.315%
24	17.745	2505	2509	2517	rVB2	987095	1413783	3.43%	0.416%
25	17.828	2518	2523	2527	rBV	943326	1289394	3.13%	0.379%
26	17.892	2527	2534	2538	rVV2	4811829	7952165	19.29%	2.339%
27	17.928	2538	2540	2551	rVB	1222590	1566231	3.80%	0.461%
28	18.016	2551	2555	2560	rBV3	351876	550657	1.34%	0.162%
29	18.098	2565	2569	2573	rVB	600953	735925	1.79%	0.216%
30	18.204	2583	2587	2591	rVV2	1729147	2526323	6.13%	0.743%
31	18.257	2593	2596	2605	rVB2	614210	1105129	2.68%	0.325%
32	18.428	2620	2625	2628	rBV2	481700	757240	1.84%	0.223%
33	18.457	2628	2630	2634	rVV2	440164	657506	1.60%	0.193%
34	18.504	2635	2638	2642	rVV	583730	867687	2.10%	0.255%

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

35	18.545	2642	2645	2650	rVB	815129	1112183	2.70%	0.327%
36	18.633	2654	2660	2664	rVV2	2684742	4187615	10.16%	1.232%
37	18.692	2664	2670	2674	rVV2	2405155	4478433	10.86%	1.317%
38	18.727	2674	2676	2680	rVV	1346965	1432490	3.48%	0.421%
39	18.780	2680	2685	2692	rVV3	4537490	8120815	19.70%	2.389%
40	18.898	2697	2705	2711	rBV	11155945	16118035	39.10%	4.741%
41	18.975	2713	2718	2721	rBV	890109	1367811	3.32%	0.402%
42	19.004	2721	2723	2726	rVV2	513348	673202	1.63%	0.198%
43	19.051	2726	2731	2736	rVB	2857434	3958195	9.60%	1.164%
44	19.169	2747	2751	2758	rVB	1414976	2566968	6.23%	0.755%
45	19.280	2759	2770	2776	rBV	24775021	41220350	100.00%	12.126%
46	19.351	2776	2782	2787	rVB2	1016256	1701180	4.13%	0.500%
47	19.439	2793	2797	2800	rBV2	534744	664909	1.61%	0.196%
48	19.504	2805	2808	2815	rVB2	1105394	1649766	4.00%	0.485%
49	19.598	2819	2824	2834	rBV2	3124818	6397128	15.52%	1.882%
50	19.739	2842	2848	2850	rBV3	2885515	5537276	13.43%	1.629%
51	19.769	2850	2853	2857	rVB	4251948	5651960	13.71%	1.663%
52	19.833	2857	2864	2866	rBV5	516013	896557	2.18%	0.264%
53	19.869	2866	2870	2875	rBV2	1850966	2249986	5.46%	0.662%
54	19.927	2875	2880	2884	rBV	4963008	6030064	14.63%	1.774%
55	20.016	2891	2895	2899	rBV4	404807	754065	1.83%	0.222%
56	20.069	2899	2904	2908	rVV	4158610	5693951	13.81%	1.675%
57	20.116	2908	2912	2916	rVB	4582881	5741134	13.93%	1.689%
58	20.239	2929	2933	2938	rVB2	491027	734996	1.78%	0.216%
59	20.322	2943	2947	2950	rBV3	494811	738040	1.79%	0.217%
60	20.369	2951	2955	2957	rBV2	465677	678174	1.65%	0.199%
61	20.522	2977	2981	2988	rVB	1963749	3137884	7.61%	0.923%
62	20.610	2993	2996	3000	rVV	630235	880266	2.14%	0.259%
63	20.686	3000	3009	3012	rVV3	2251462	4932510	11.97%	1.451%
64	20.722	3012	3015	3019	rVV	2749864	3692821	8.96%	1.086%
65	20.763	3019	3022	3026	rVV	2119722	2939994	7.13%	0.865%
66	20.827	3030	3033	3038	rVB3	851616	1319138	3.20%	0.388%
67	20.922	3046	3049	3053	rBV	491470	666063	1.62%	0.196%
68	21.033	3062	3068	3074	rBV2	12767526	23875177	57.92%	7.023%
69	21.086	3074	3077	3082	rVB	9640224	11419974	27.70%	3.359%
70	21.163	3087	3090	3093	rBV	649810	783469	1.90%	0.230%
71	21.257	3101	3106	3121	rVB	6344195	9356829	22.70%	2.752%

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Integrator: RTE
Smoothing : OFF Filtering: 5
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Title : SVOA CALIBRATION

72	21.404	3127	3131	3135	rBV4	816150	1179339	2.86%	0.347%
73	21.486	3141	3145	3149	rVB4	601029	845594	2.05%	0.249%
74	21.527	3149	3152	3155	rBV	988995	1220551	2.96%	0.359%
75	21.586	3155	3162	3166	rVV	3303128	5240399	12.71%	1.542%
76	21.633	3167	3170	3175	rVB	1954230	2321993	5.63%	0.683%
77	21.692	3176	3180	3183	rBV2	1162474	1865299	4.53%	0.549%
78	21.769	3188	3193	3196	rVV2	2352659	4096858	9.94%	1.205%
79	21.798	3196	3198	3202	rVV2	1817060	2110082	5.12%	0.621%
80	21.863	3206	3209	3214	rVB	1106322	1537235	3.73%	0.452%
81	22.304	3279	3284	3294	rBV3	813998	1547948	3.76%	0.455%
82	22.551	3319	3326	3330	rBV	6796677	13903238	33.73%	4.090%
83	22.704	3346	3352	3358	rBV	2240635	3715633	9.01%	1.093%
84	22.986	3393	3400	3408	rBV	4657024	8512953	20.65%	2.504%
85	23.080	3409	3416	3422	rVV2	7522763	13980449	33.92%	4.113%
86	23.163	3425	3430	3434	rVV	1965307	3445363	8.36%	1.014%
87	23.210	3434	3438	3446	rVB2	1126641	2472149	6.00%	0.727%
88	23.398	3465	3470	3476	rBV3	479980	1260426	3.06%	0.371%
89	23.610	3502	3506	3510	rVB2	418789	667097	1.62%	0.196%
90	23.663	3511	3515	3522	rVB2	578637	1039572	2.52%	0.306%
91	23.774	3530	3534	3540	rVB3	399491	813107	1.97%	0.239%
92	23.963	3560	3566	3577	rVB2	933764	2293634	5.56%	0.675%
93	24.598	3670	3674	3683	rBV5	302462	658320	1.60%	0.194%
94	24.745	3693	3699	3705	rBV2	501259	1168145	2.83%	0.344%
95	24.951	3729	3734	3739	rVV2	299562	593514	1.44%	0.175%
96	25.033	3740	3748	3759	rVB4	509998	1827397	4.43%	0.538%
97	25.233	3772	3782	3790	rVB2	2462340	6655439	16.15%	1.958%
98	25.457	3814	3820	3827	rBV	607166	1395109	3.38%	0.410%
99	25.539	3829	3834	3839	rBV2	402659	872821	2.12%	0.257%
100	25.868	3880	3890	3904	rVB	1959645	5696958	13.82%	1.676%

Sum of corrected areas: 339946521

LSC Report - Integrated Chromatogram

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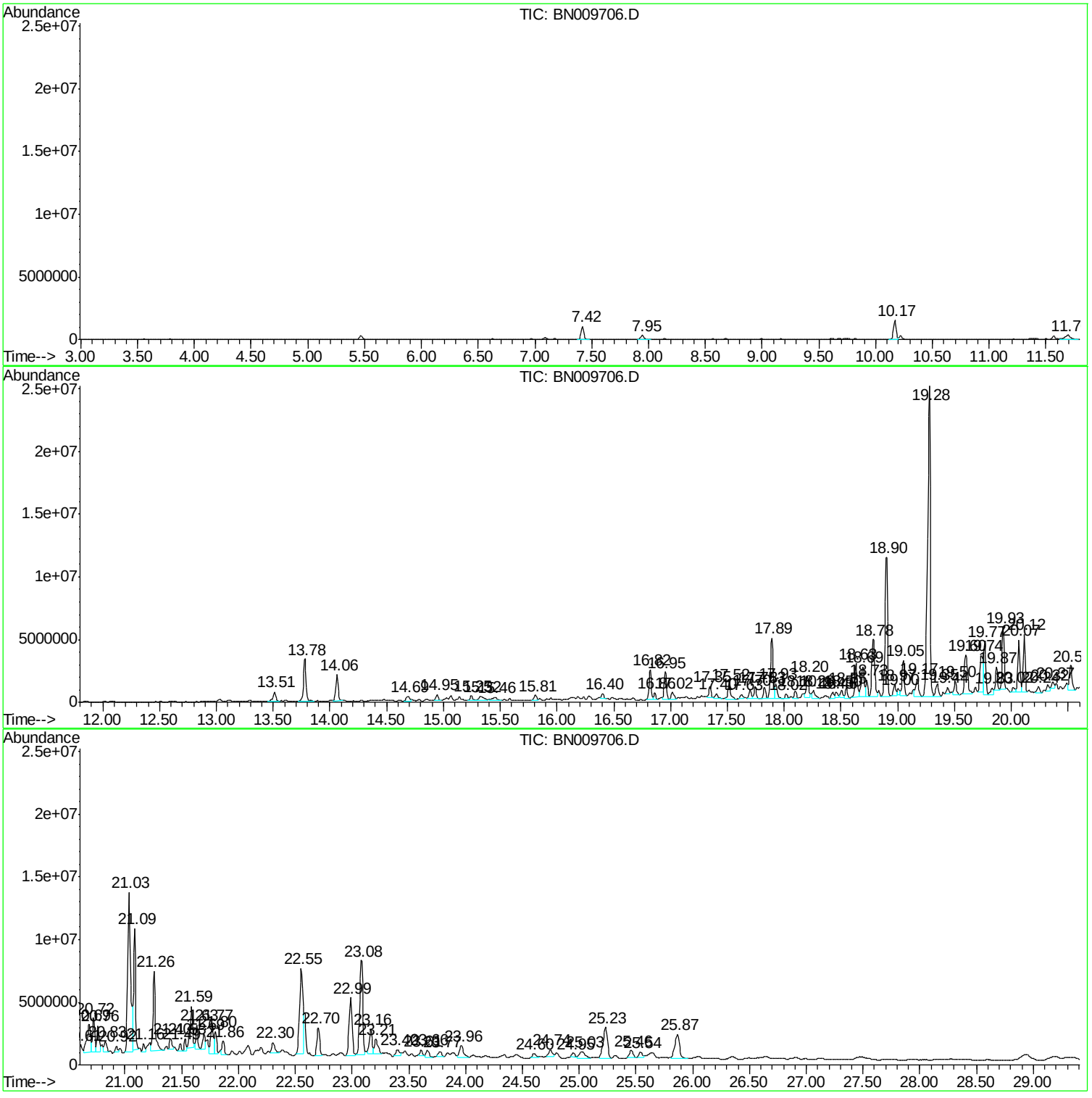
Instrument : BNA_N
ClientSampleId : GAT69

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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Quant Title : SVOA CALIBRATION

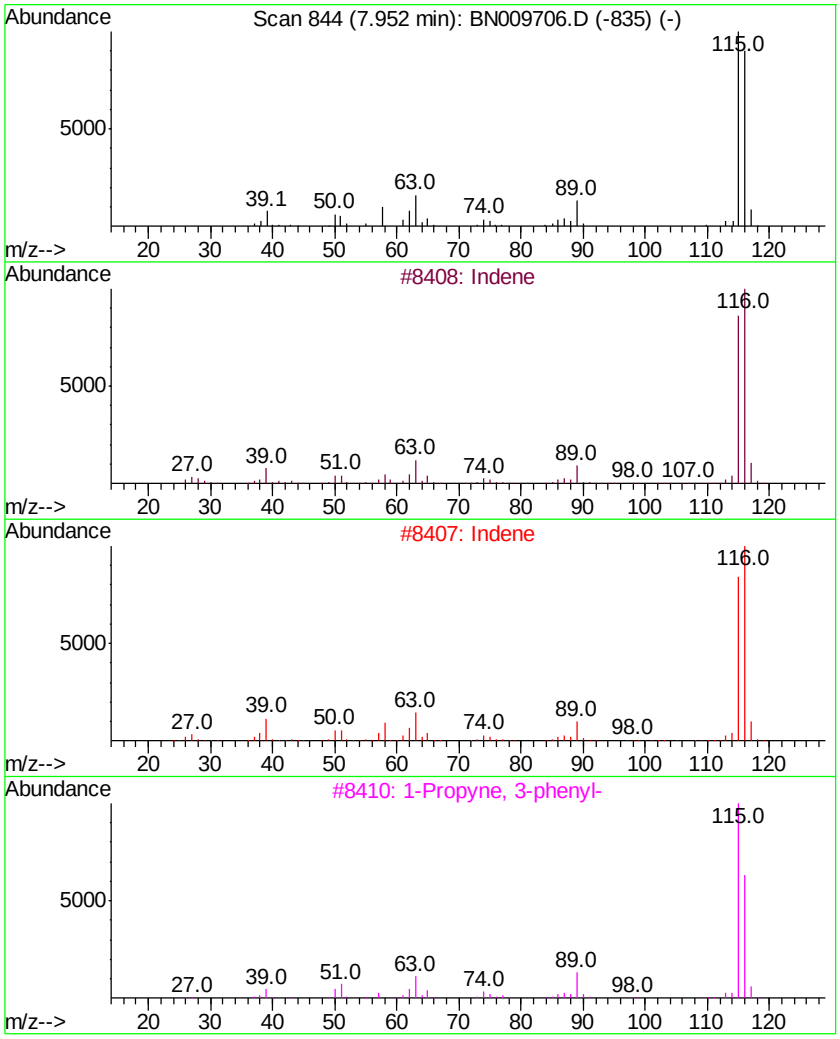
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

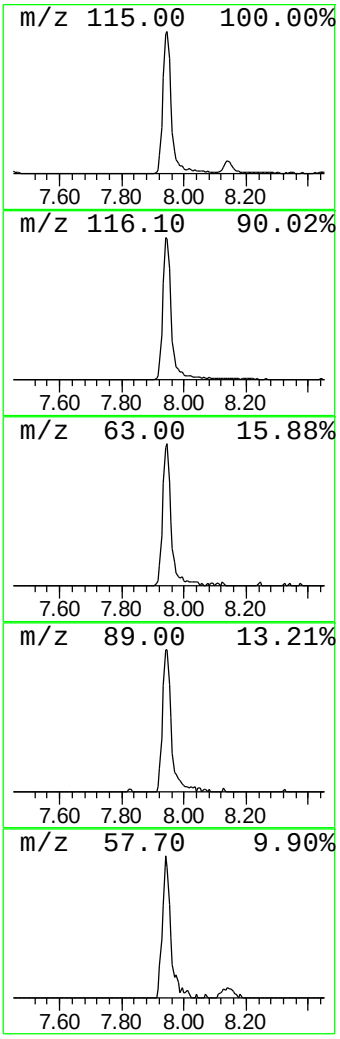
****

Peak Number 1 Indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	7.20 ng/ul	616370	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	96
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





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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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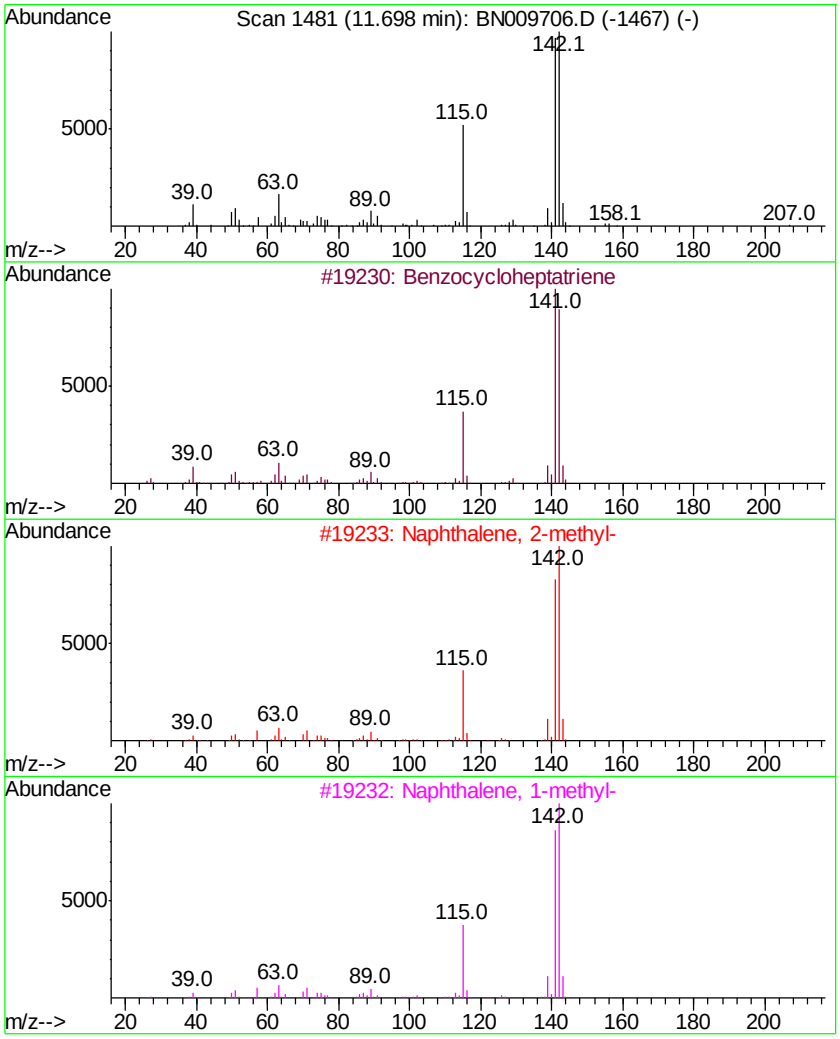
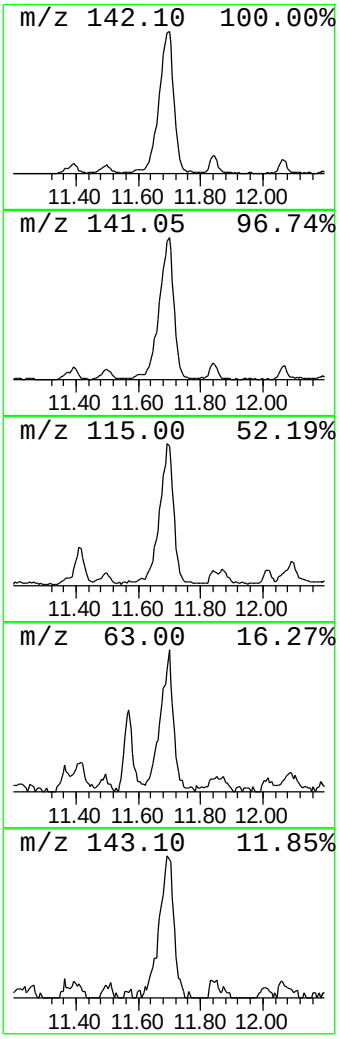
Peak Number 2 Benzocycloheptatriene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	8.84 ng/ul	1113470	Naphthalene-d8	10.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	87





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Quant Title : SVOA CALIBRATION

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

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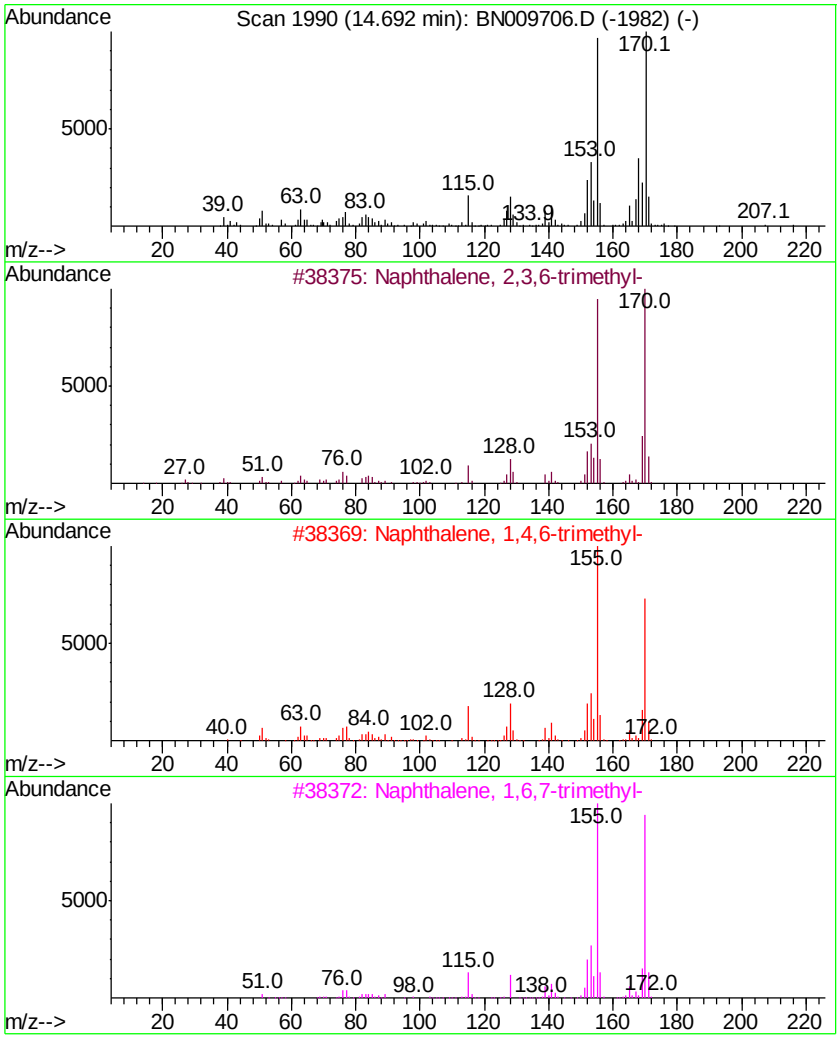
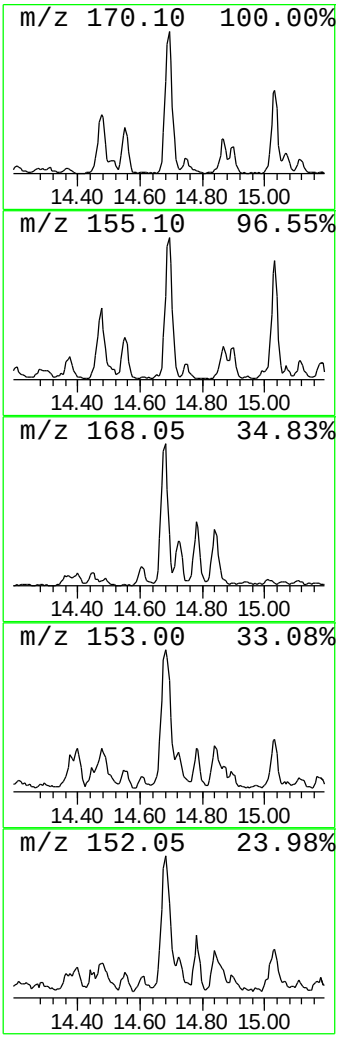
Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	5.15 ng/ul	796706	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	55
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	55





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Quant Title : SVOA CALIBRATION

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

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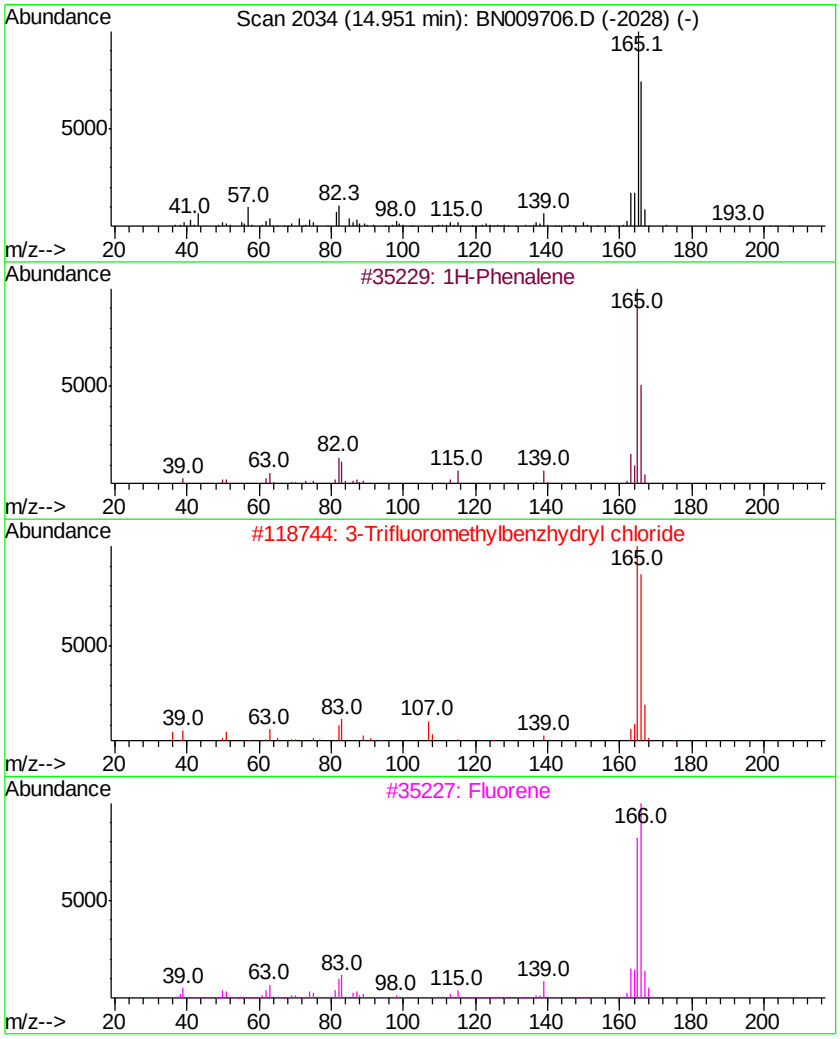
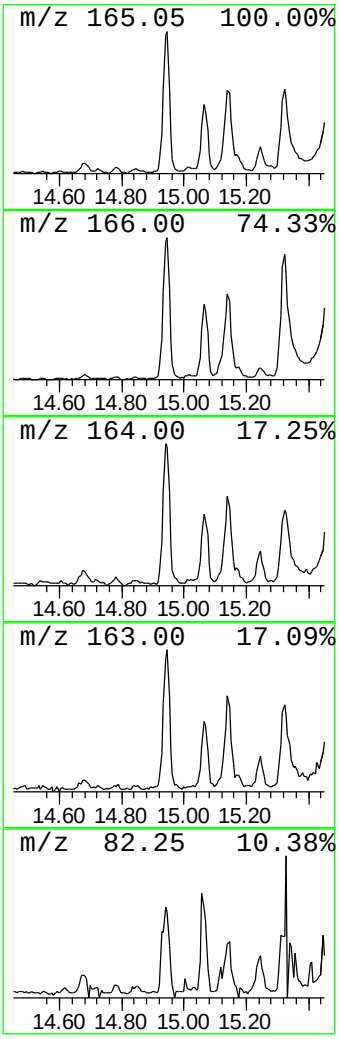
Peak Number 4 1H-Phenalene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	4.47 ng/ul	690160	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
3	Fluorene	166	C13H10	000086-73-7	62
4	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	59
5	Fluorene	166	C13H10	000086-73-7	58





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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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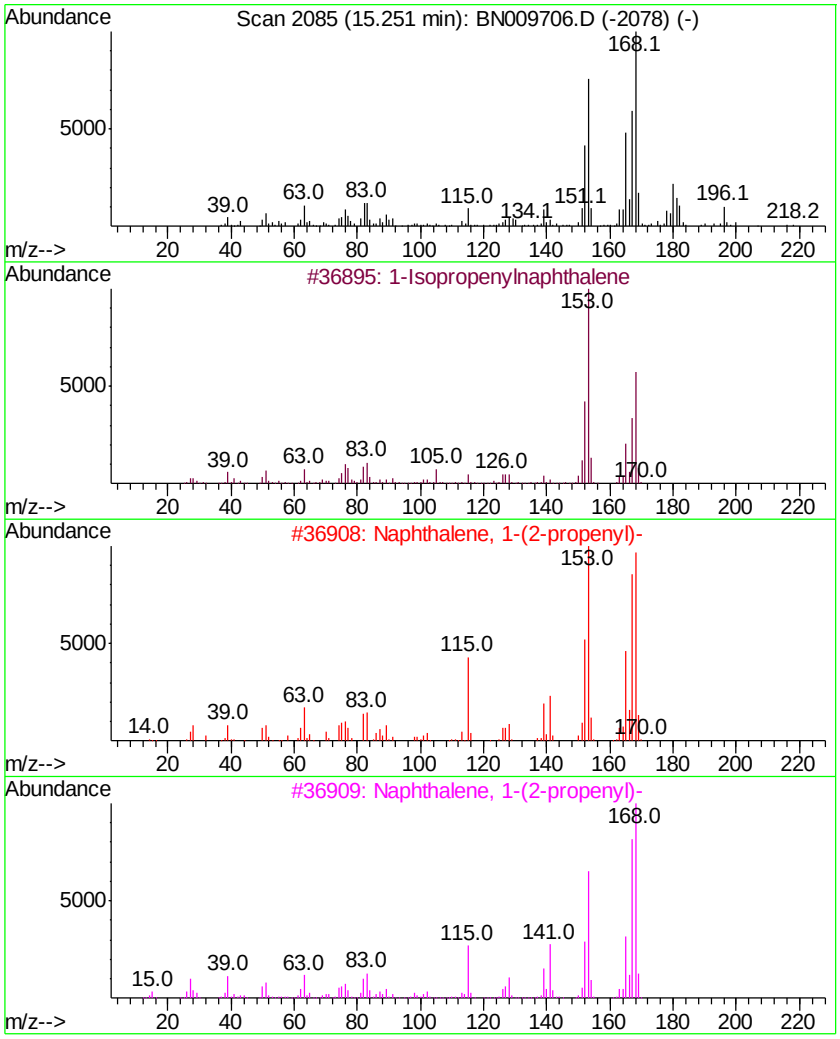
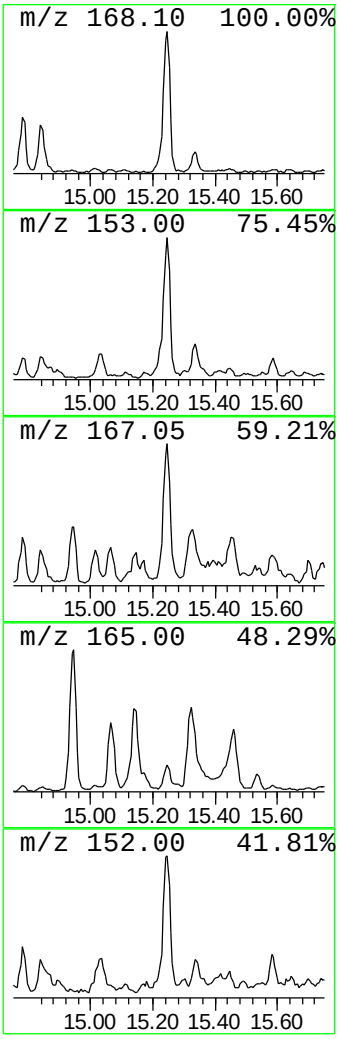
Peak Number 5 1-Isopropenylnaphthalene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	4.26 ng/ul	657802	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	76
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	52
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	47





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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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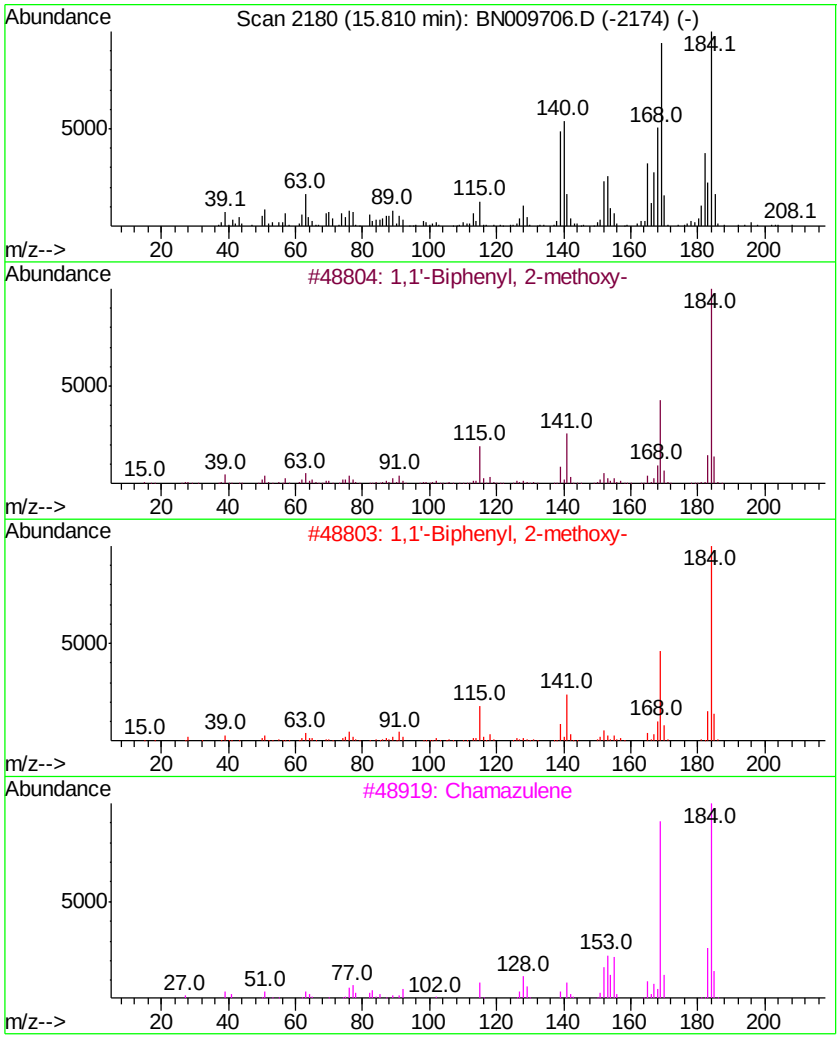
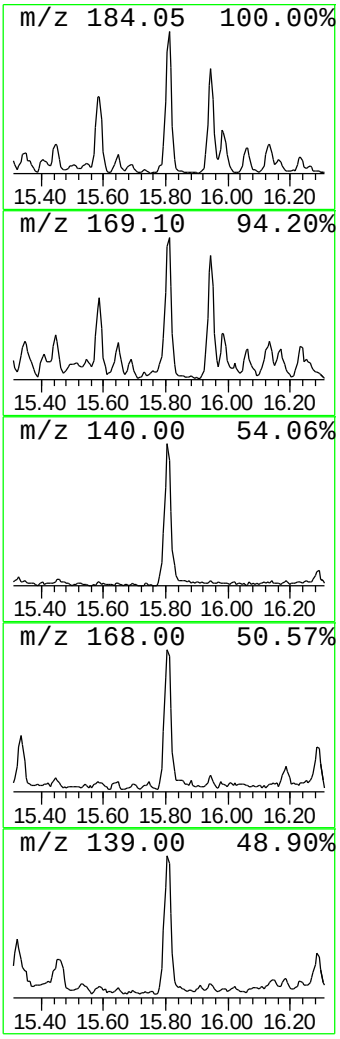
Peak Number 8 1,1'-Biphenyl, 2-methoxy- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	4.14 ng/ul	693201	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	58
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	58
3	Chamazulene	184	C14H16	000529-05-5	55
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	50
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	49





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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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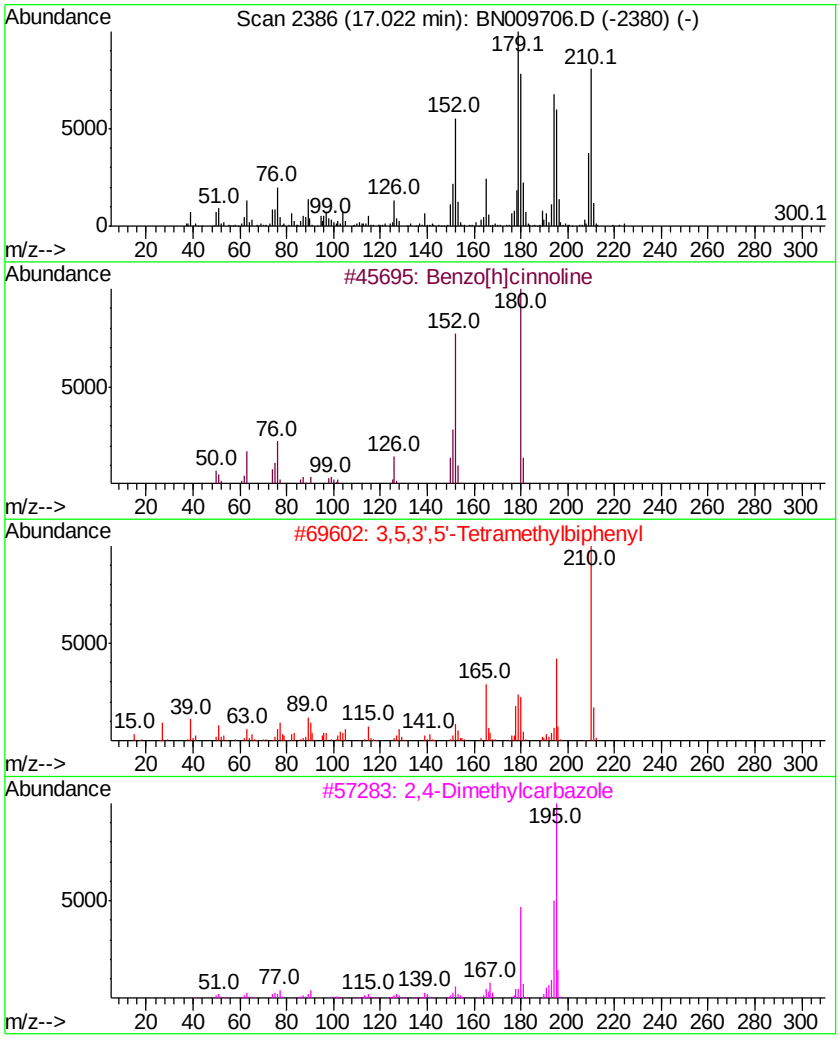
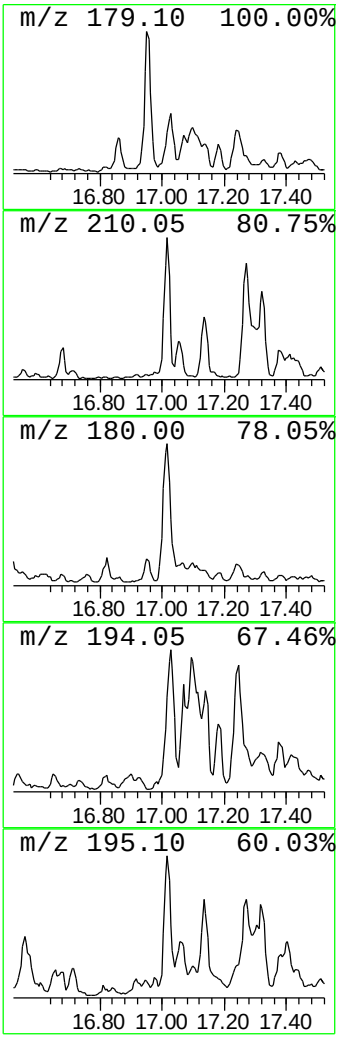
Peak Number 10 Benzo[h]cinnoline Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	5.80 ng/ul	970991	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
2	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	60
3	2,4-Dimethylcarbazole	195	C14H13N	1000326-01-2	55
4	Carbazole, 1,3-dimethyl-	195	C14H13N	018992-68-2	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52





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Quant Title : SVOA CALIBRATION

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

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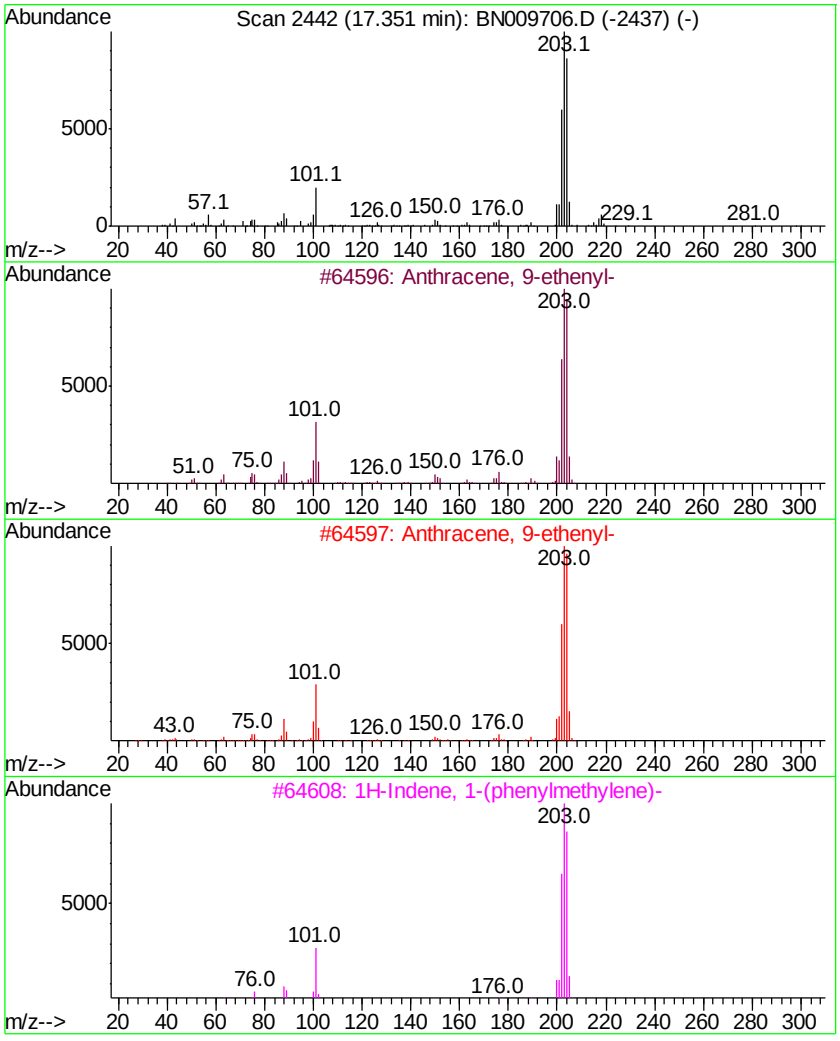
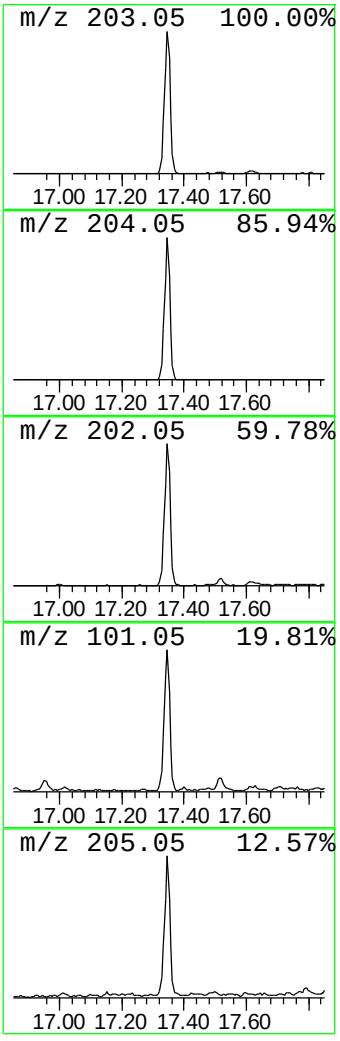
Peak Number 11 Anthracene, 9-ethenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	6.75 ng/ul	1129790	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	68
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	68





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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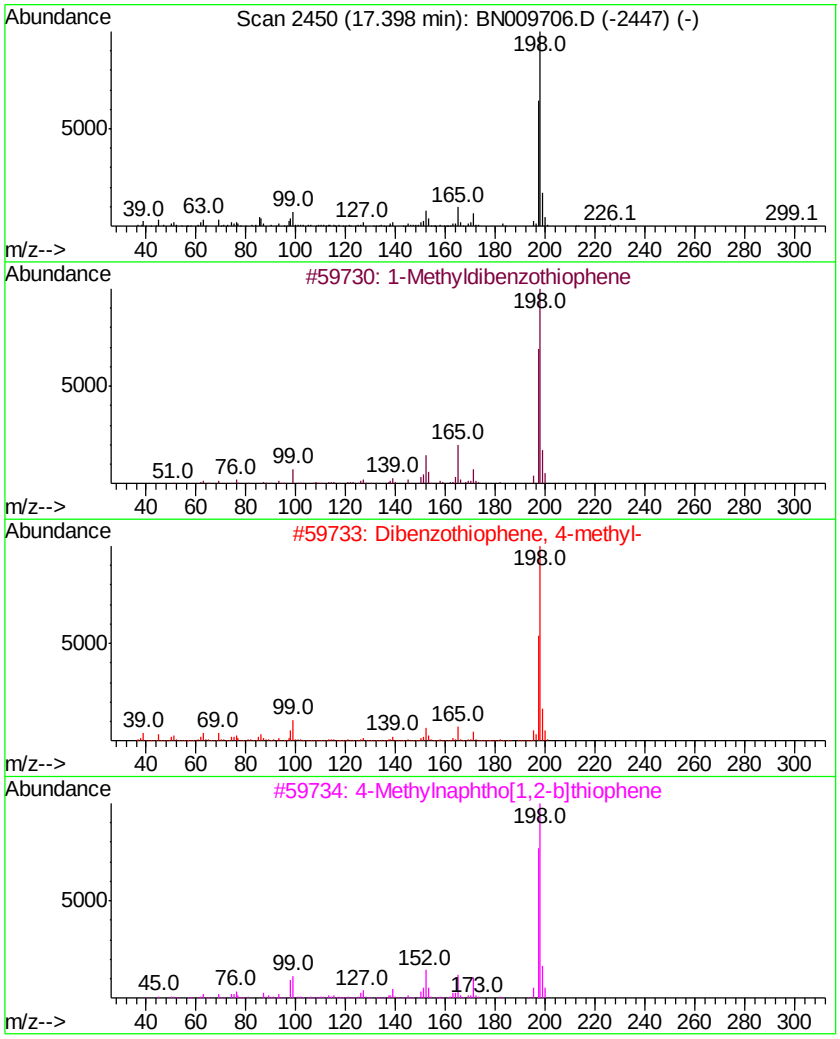
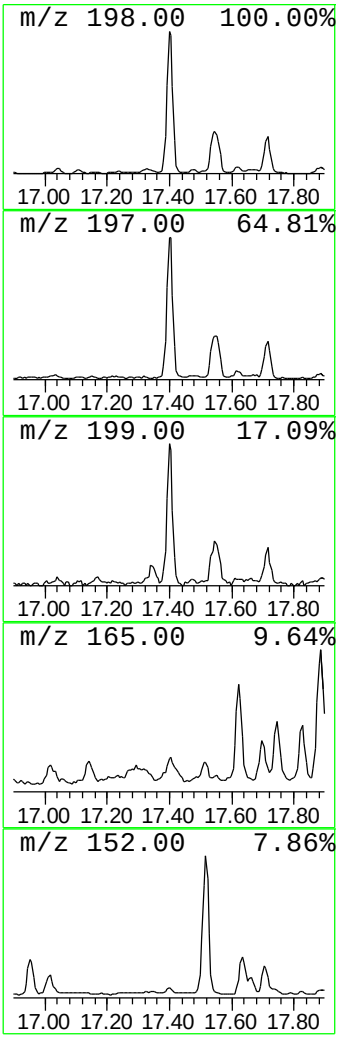
Peak Number 12 1-Methyldibenzothiophene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	4.05 ng/ul	677827	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64





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Quant Title : SVOA CALIBRATION

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

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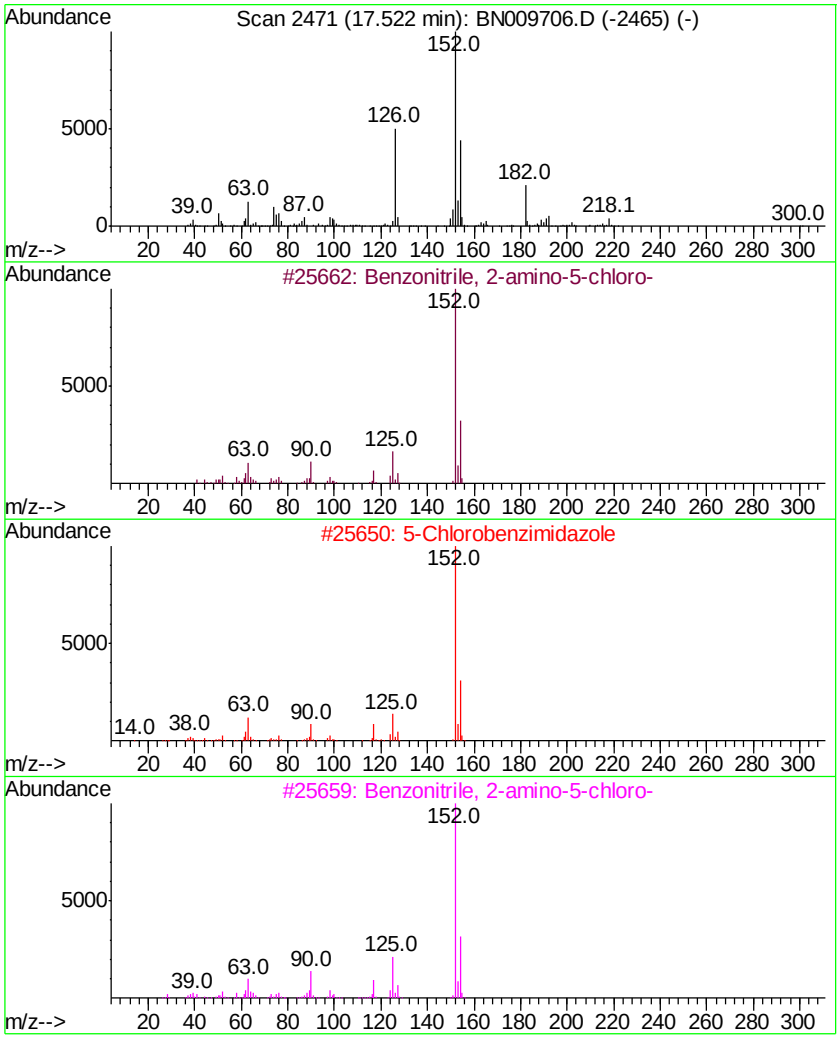
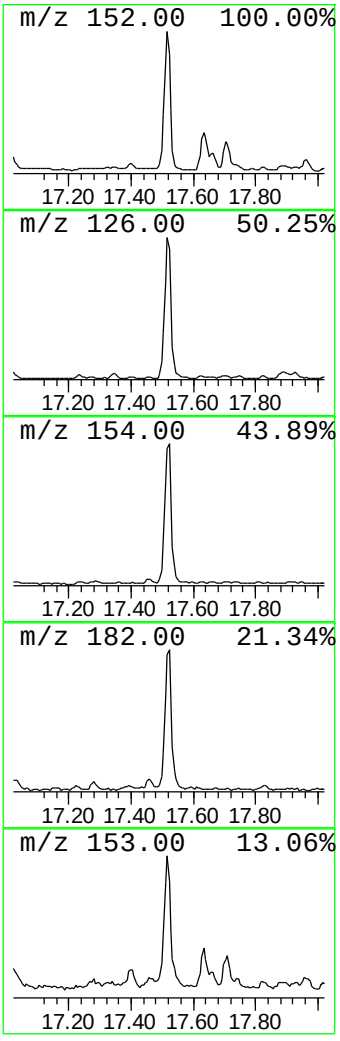
Peak Number 13 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	11.72 ng/ul	1961480	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 2-amino-5-chloro-	152	C7H5ClN2	005922-60-1	49
2	5-Chlorobenzimidazole	152	C7H5ClN2	004887-82-5	47
3	Benzonitrile, 2-amino-5-chloro-	152	C7H5ClN2	005922-60-1	47
4	2-Chlorobenzimidazole	152	C7H5ClN2	004857-06-1	47
5	2-Chlorobenzimidazole	152	C7H5ClN2	004857-06-1	46





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Quant Title : SVOA CALIBRATION

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

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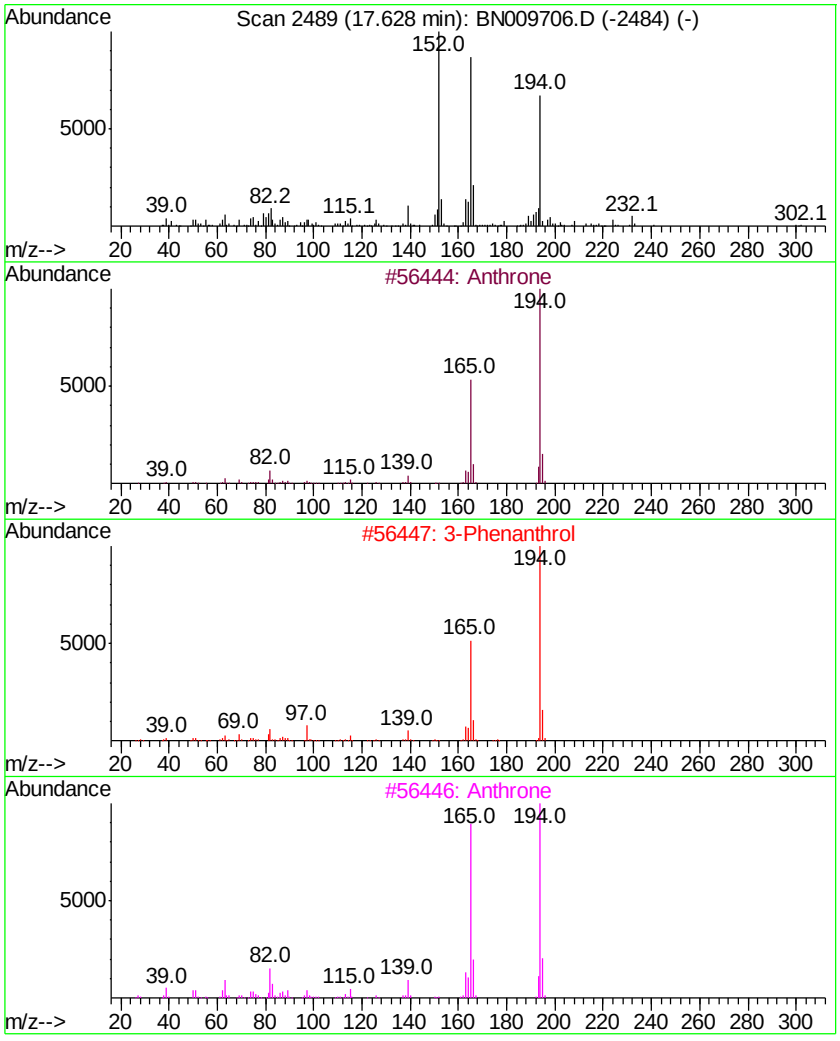
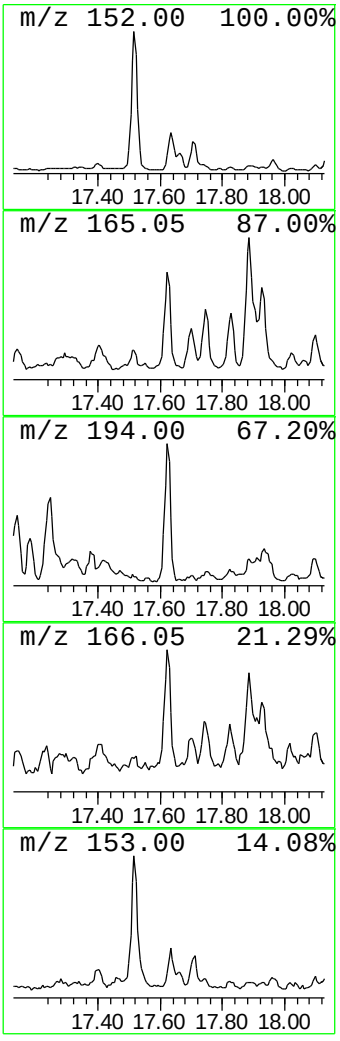
Peak Number 14 Anthrone Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	3.71 ng/ul	619936	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	64
2	3-Phenanthrol	194	C14H10O	000605-87-8	60
3	Anthrone	194	C14H10O	000090-44-8	60
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	58
5	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	53





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Misc :
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Quant Title : SVOA CALIBRATION

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

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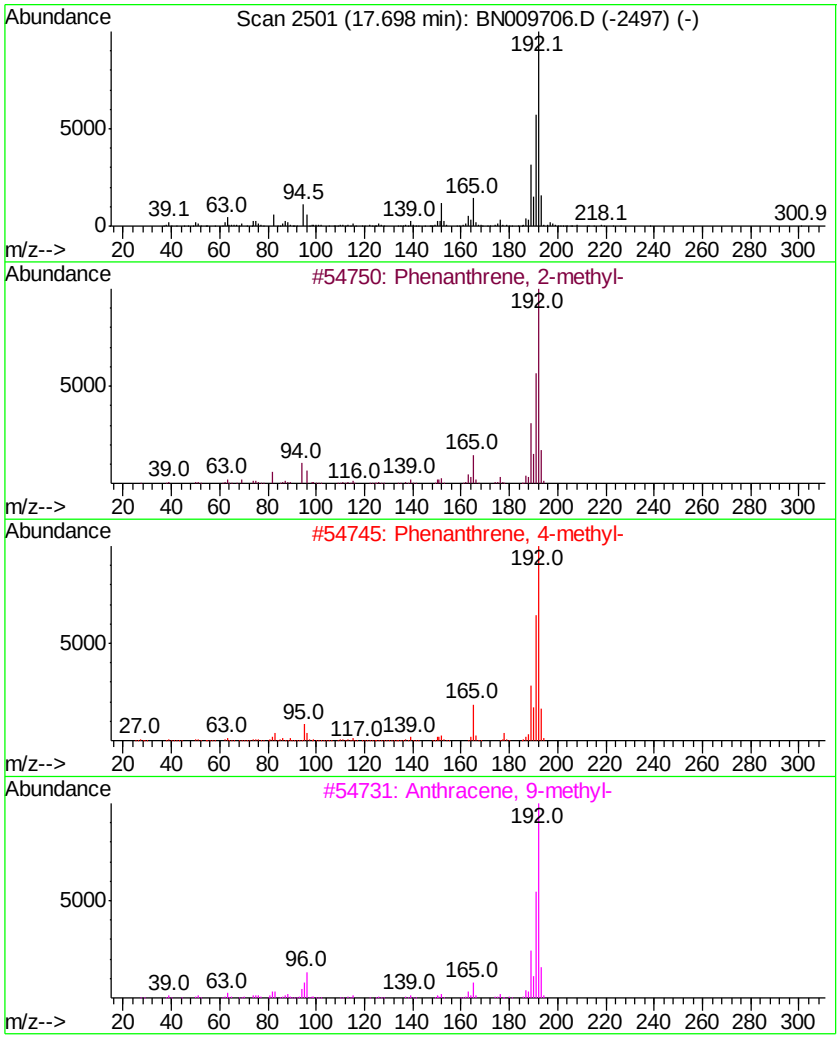
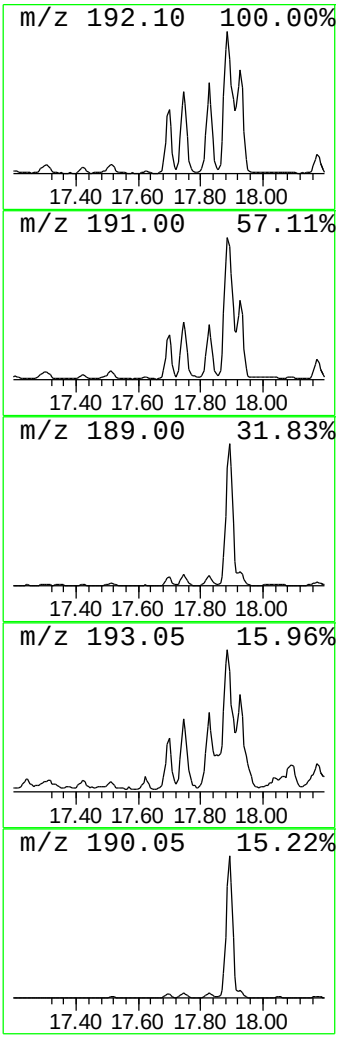
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	6.41 ng/ul	1072160	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92





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Quant Title : SVOA CALIBRATION

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

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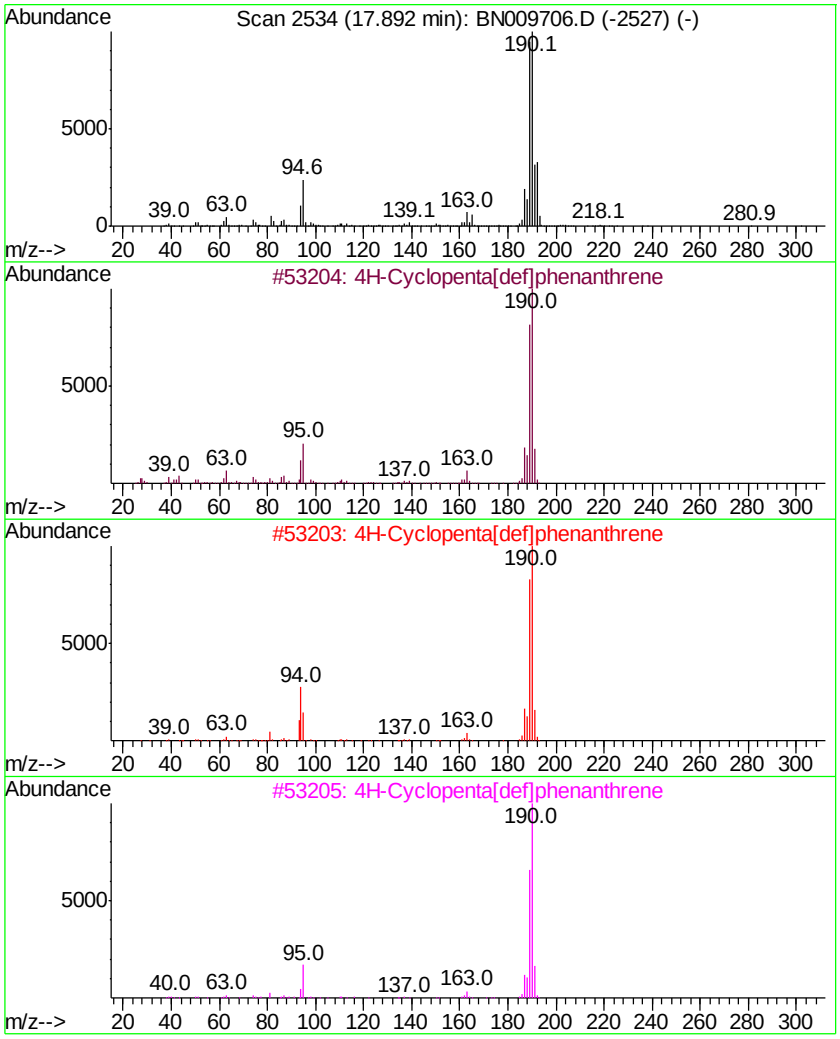
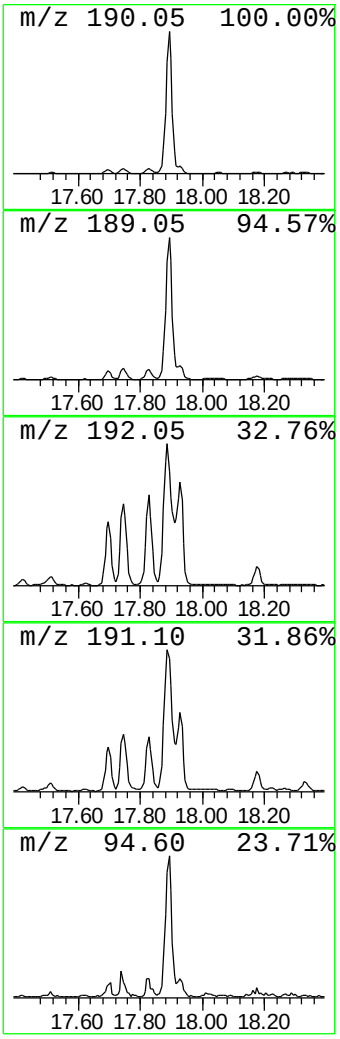
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	47.53 ng/ul	7952170	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Quant Title : SVOA CALIBRATION

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

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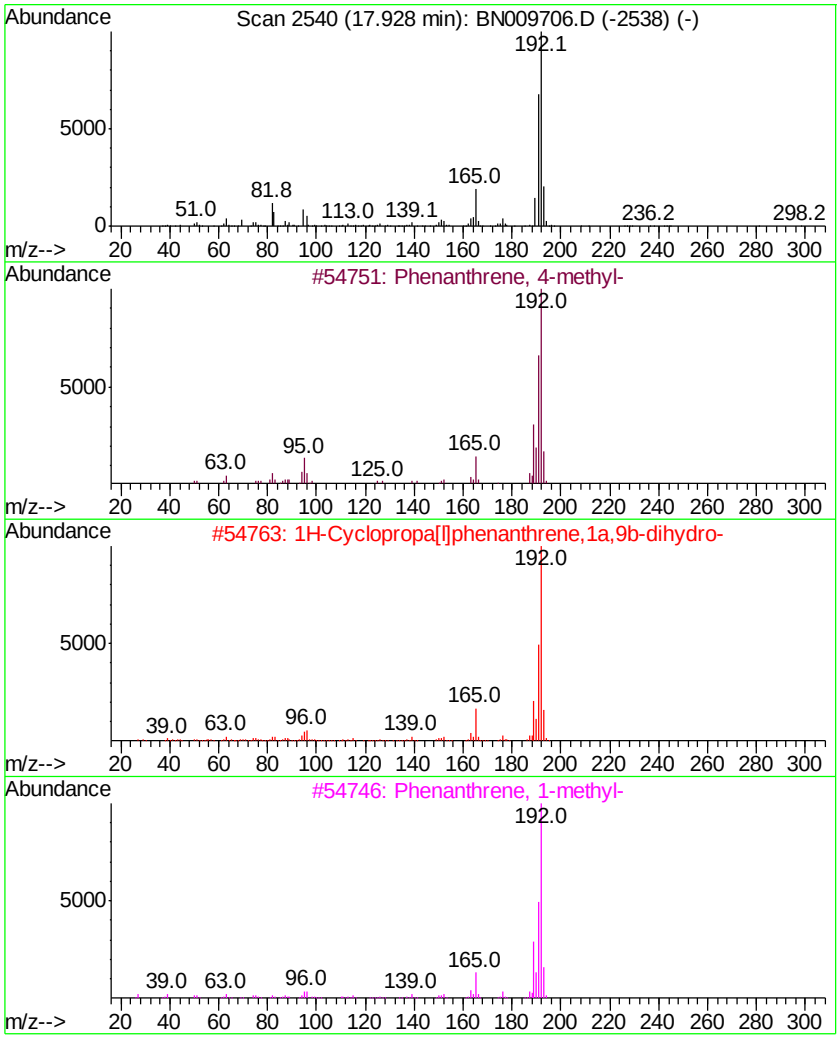
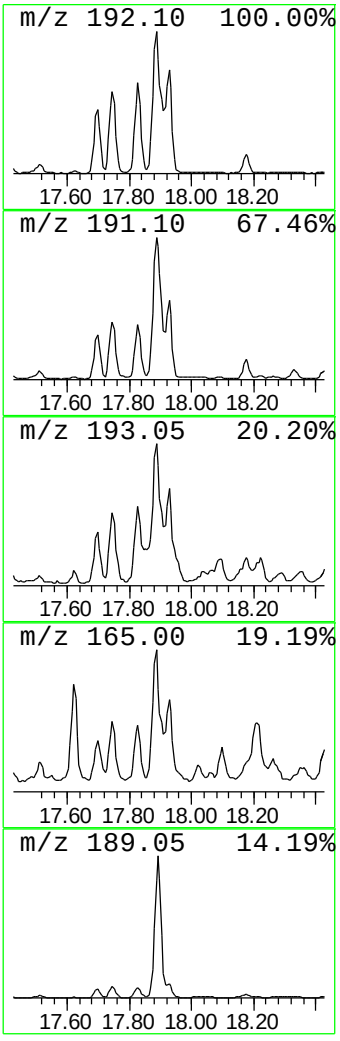
Peak Number 19 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	9.36 ng/ul	1566230	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81





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Quant Title : SVOA CALIBRATION

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

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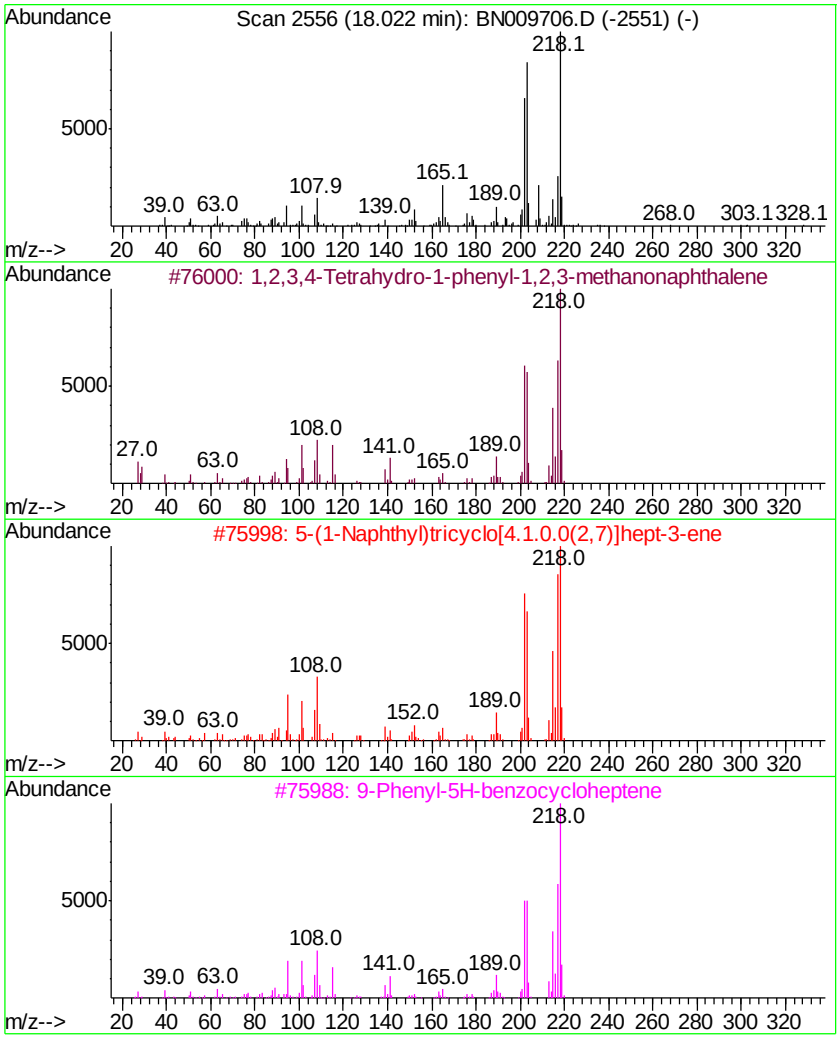
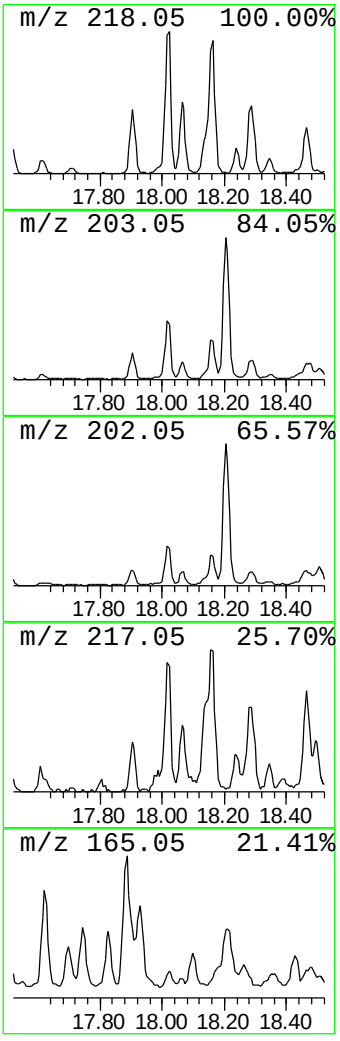
Peak Number 20 1,2,3,4-Tetrahydro-1-phenyl... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.29 ng/ul	550657	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	81
2	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	74
3	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	72
4	7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	64
5	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	64





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

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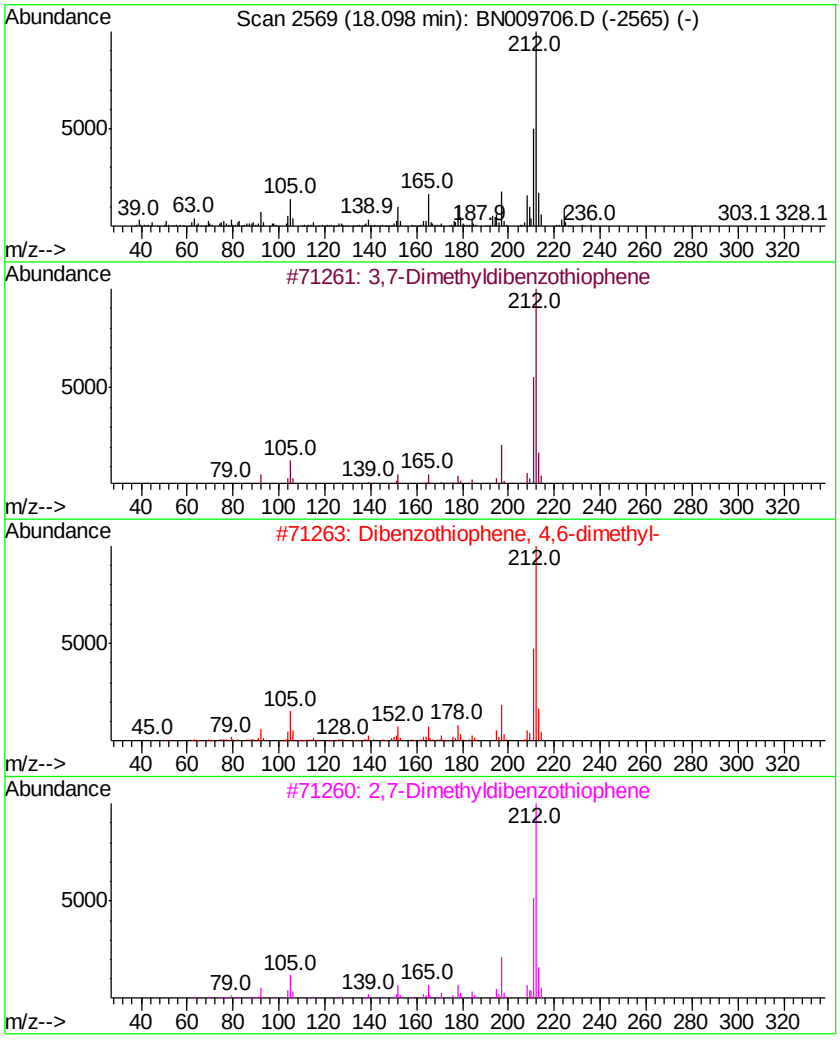
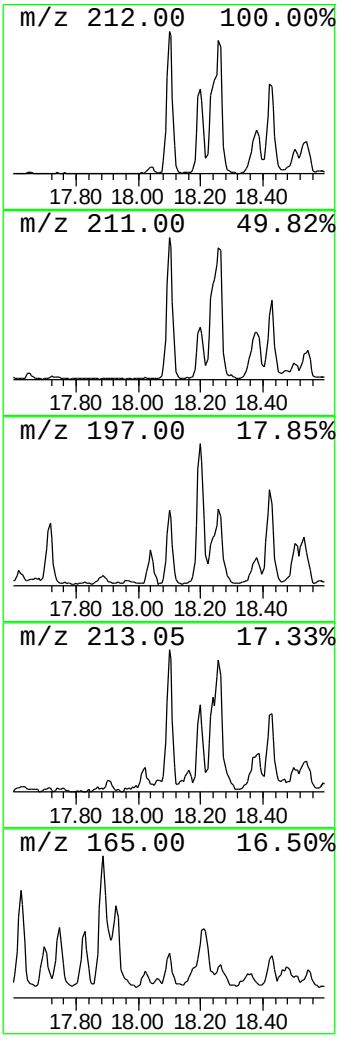
Peak Number 21 3,7-Dimethyldibenzothiophene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	4.40 ng/ul	735925	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	97
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	97
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	97
4	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	95
5	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	94





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ALS Vial : 7 Sample Multiplier: 1

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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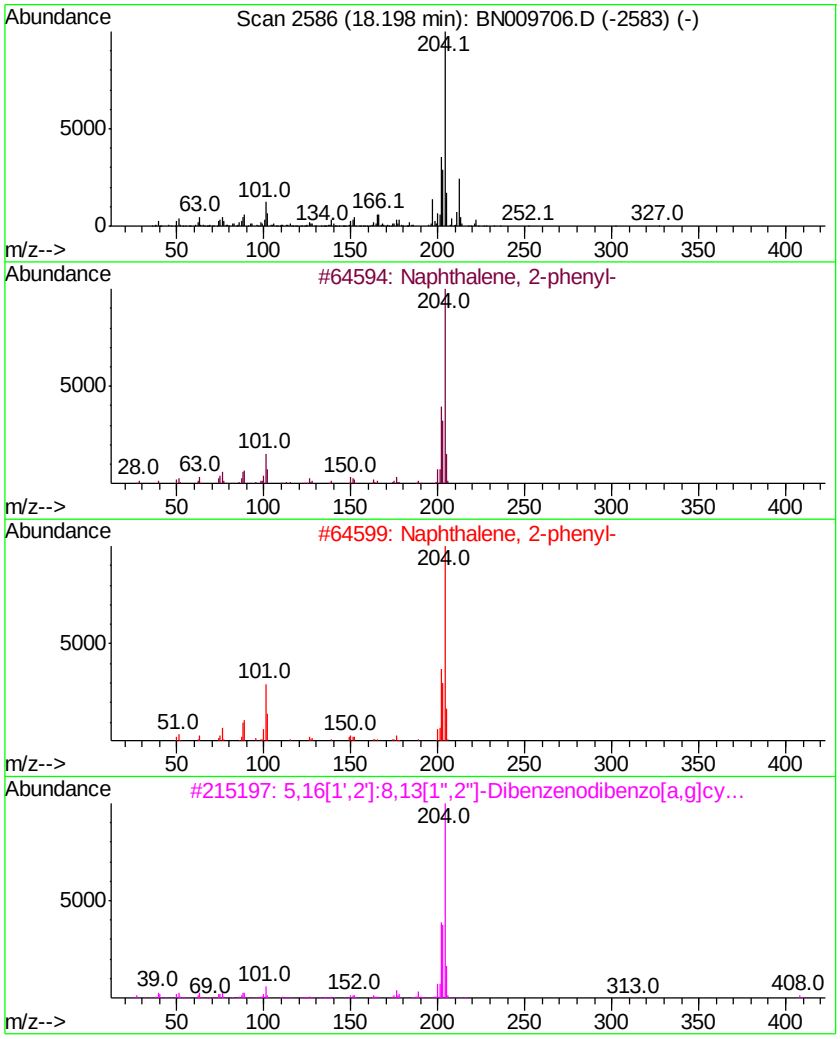
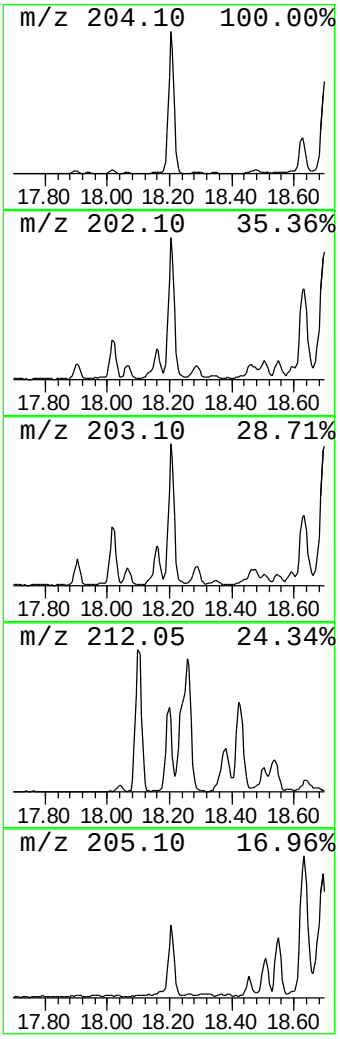
Peak Number 22 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	15.10 ng/ul	2526320	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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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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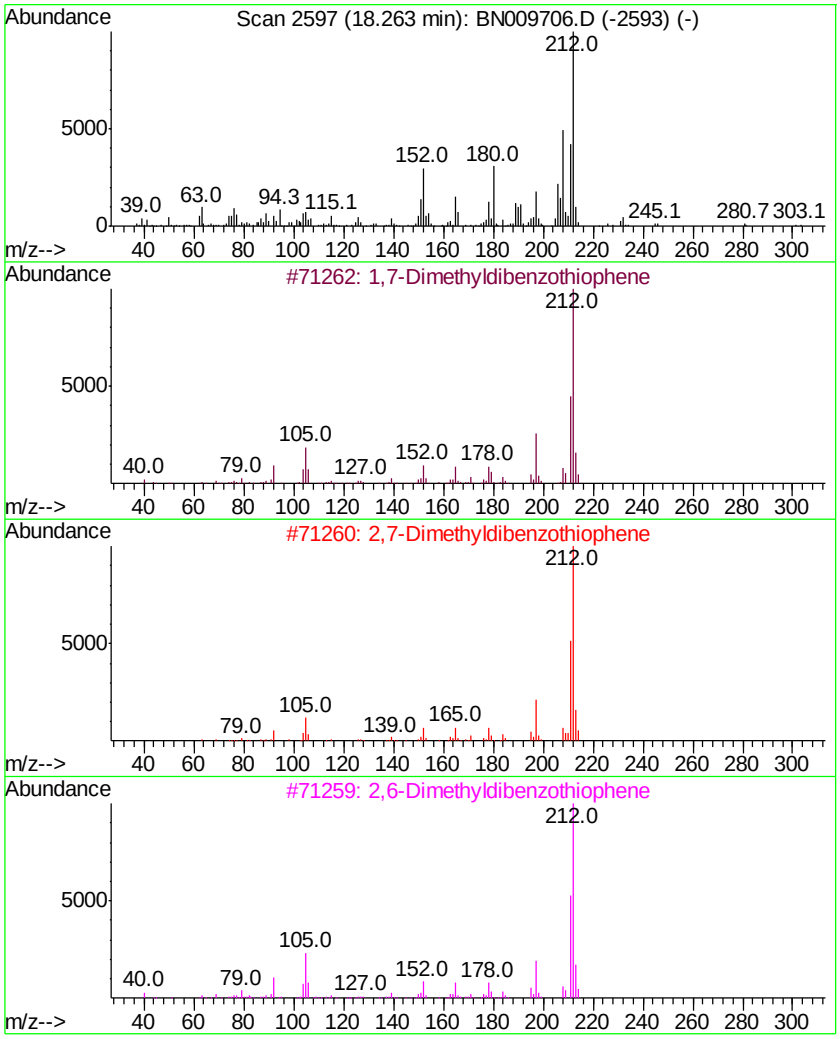
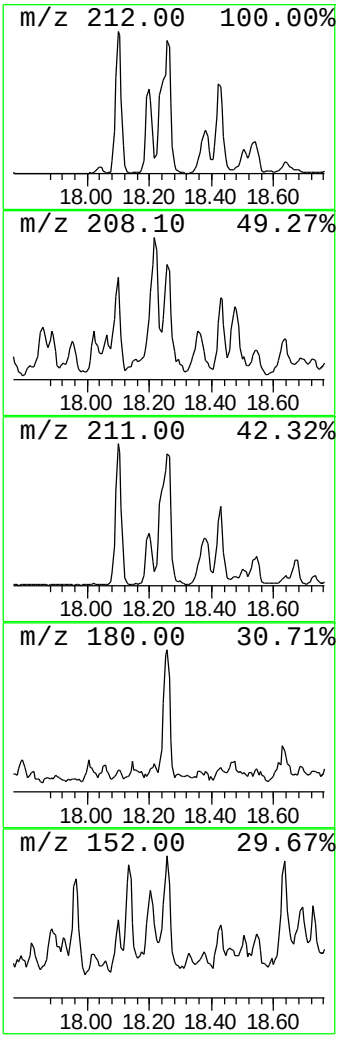
Peak Number 23 1,7-Dimethyldibenzothiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	6.61 ng/ul	1105130	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	78
2	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	43
3	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	41
4	4-(3-Methylphenyl)benzoic acid	212	C14H12O2	1000305-27-3	38
5	Benzo[c]2,7-naphthiridine-4,5(3H...	212	C12H8N2O2	174565-23-2	38





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Quant Title : SVOA CALIBRATION

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

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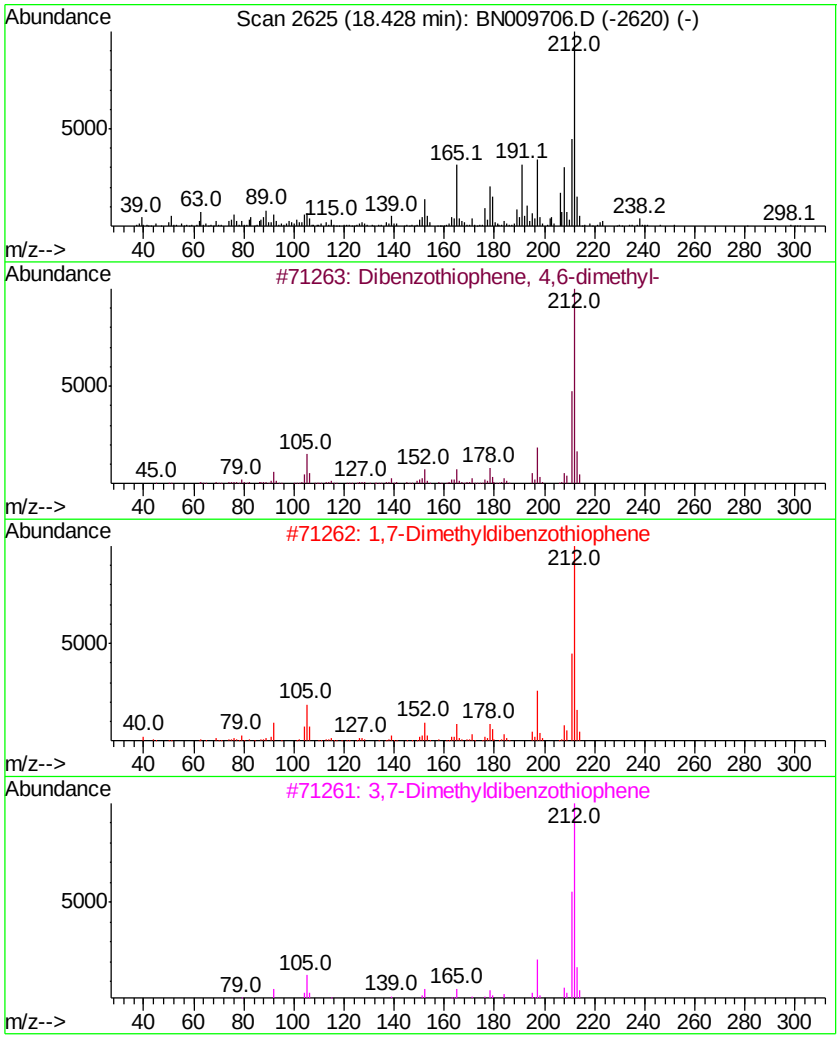
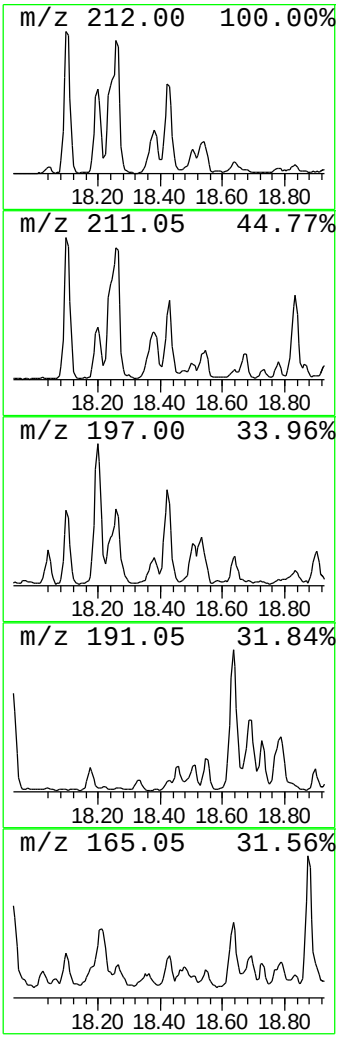
Peak Number 24 Dibenzothiophene, 4,6-dimet... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.53 ng/ul	757240	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	89
2	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	83
3	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	60
4	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	60
5	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	53





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Quant Title : SVOA CALIBRATION

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

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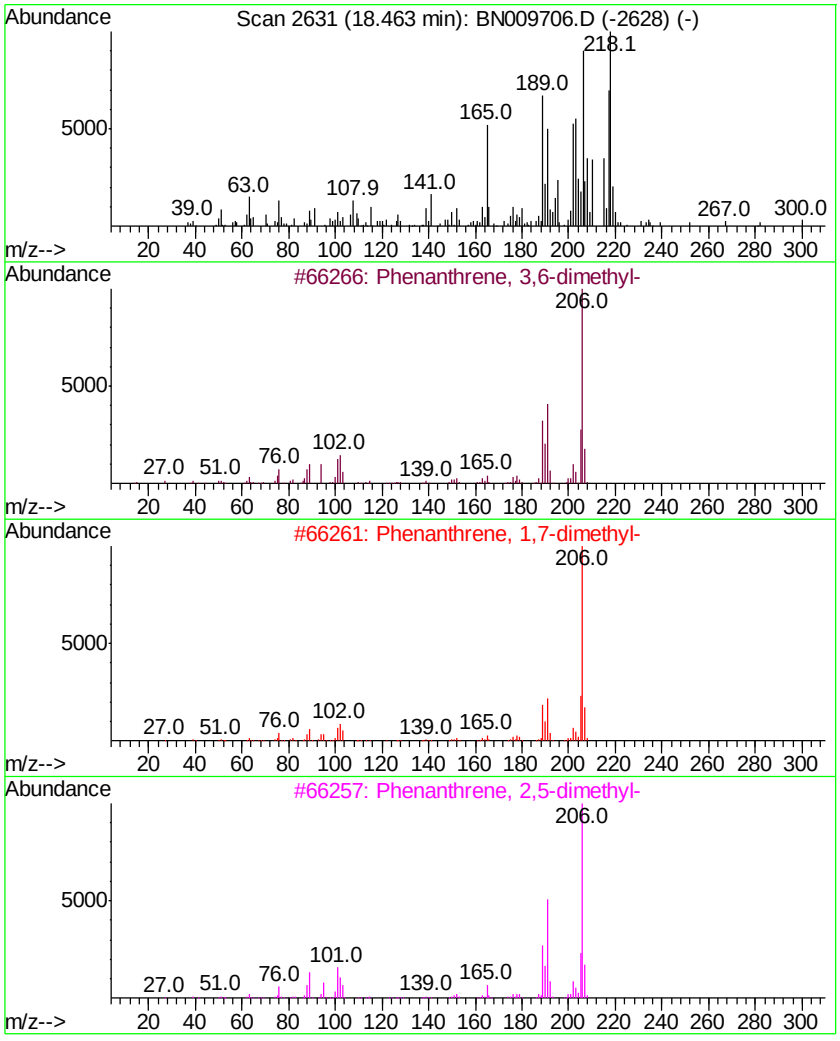
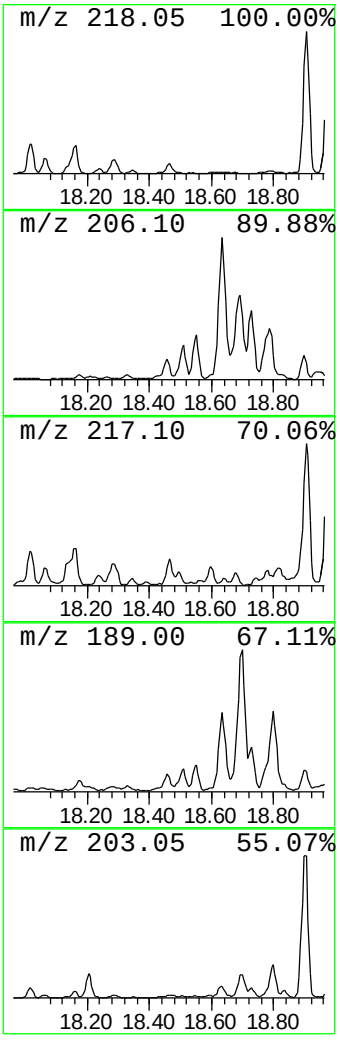
Peak Number 25 Phenanthrene, 3,6-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	3.93 ng/ul	657506	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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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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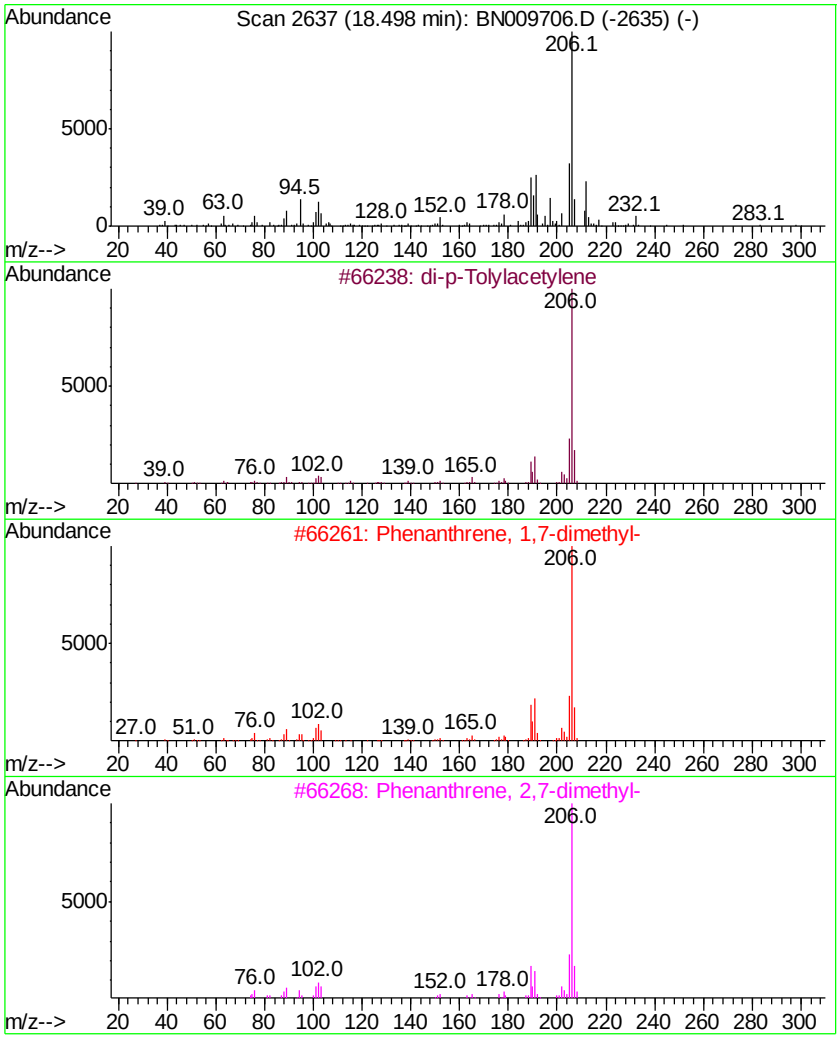
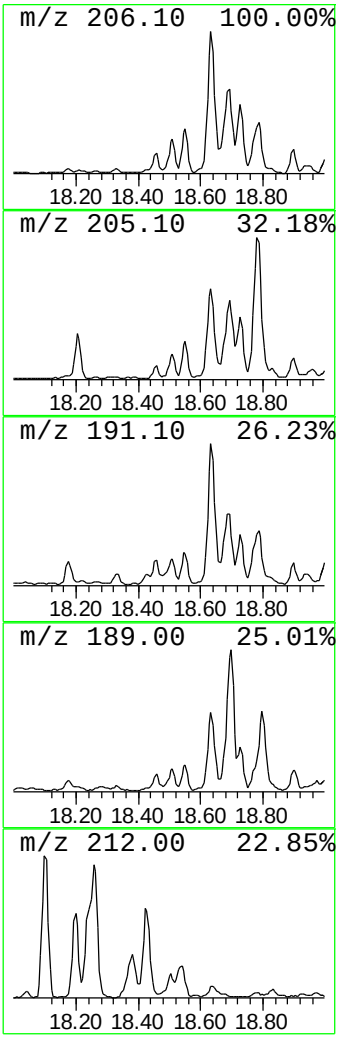
Peak Number 26 di-p-Tolylacetylene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	5.19 ng/ul	867687	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80





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ALS Vial : 7 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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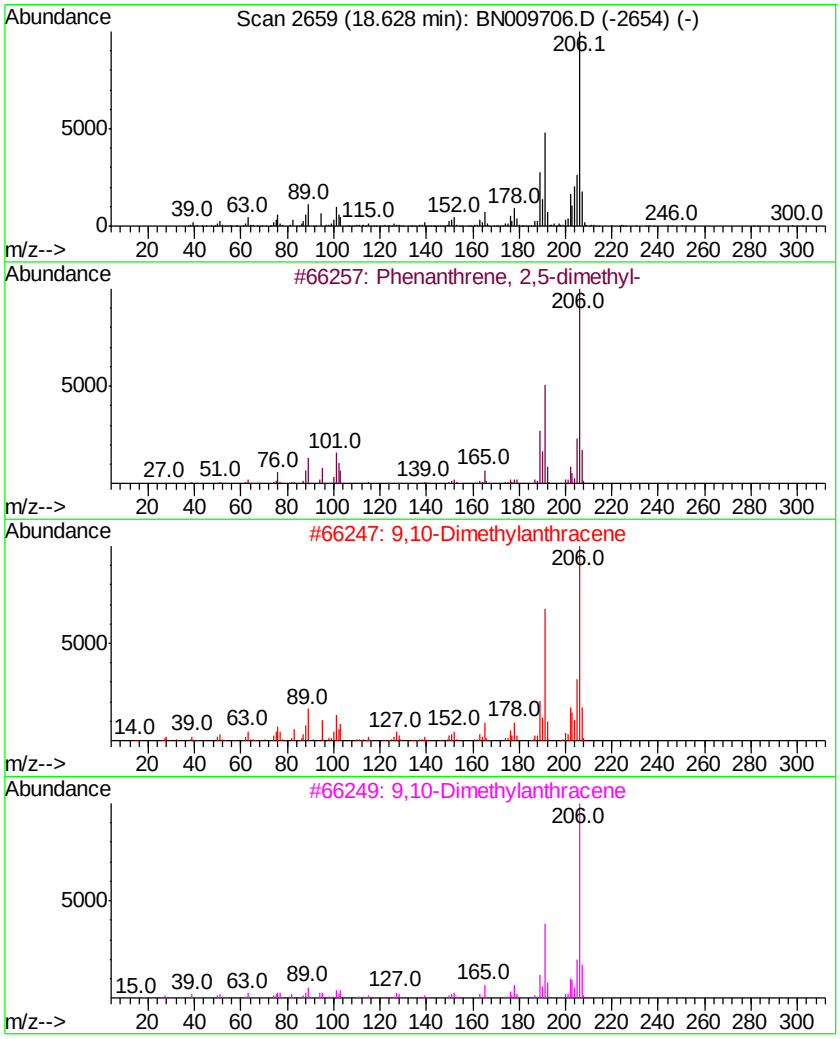
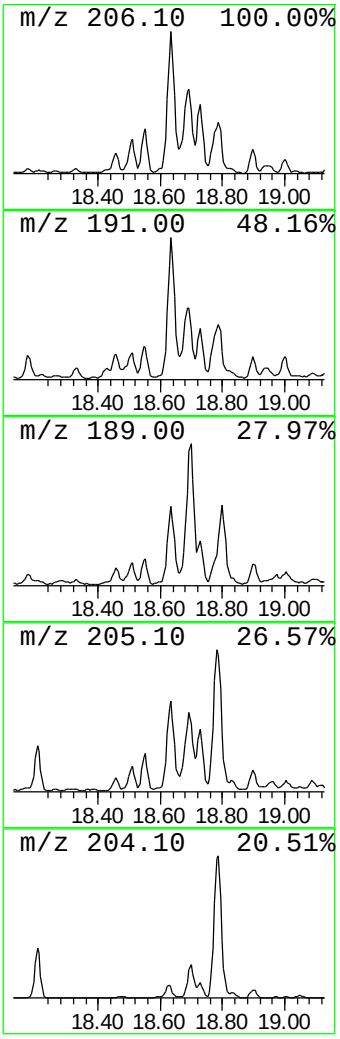
Peak Number 28 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	25.03 ng/ul	4187620	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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Misc :
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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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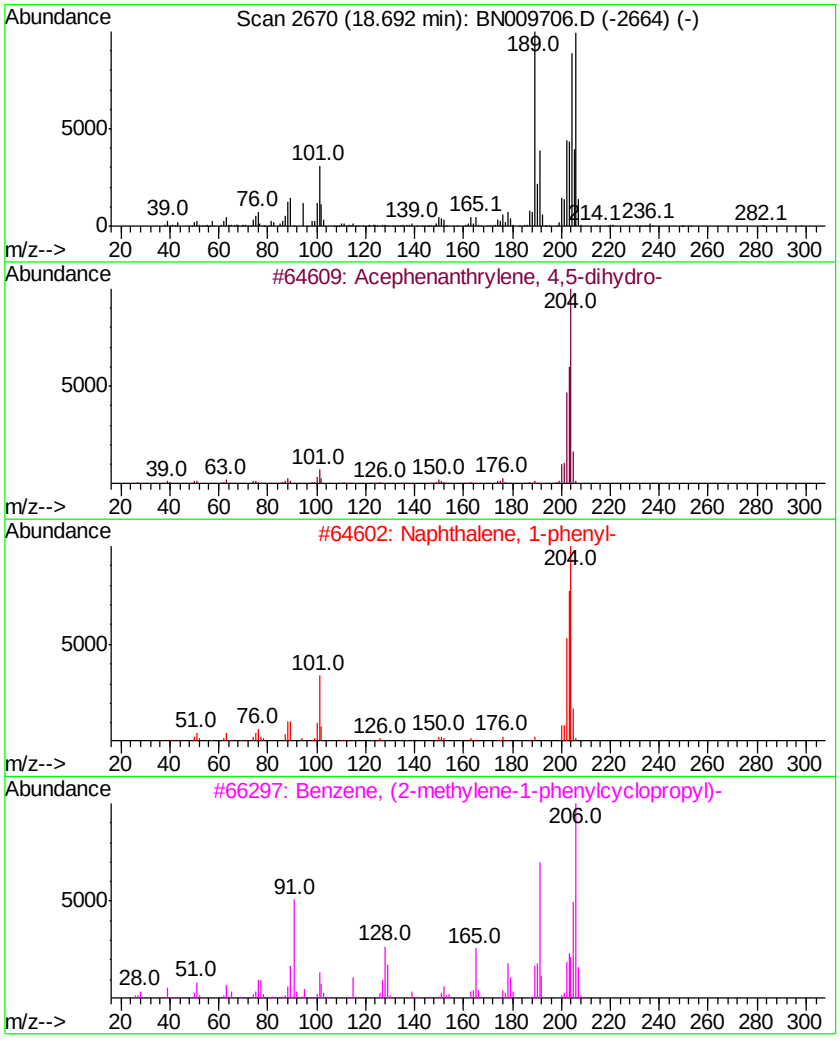
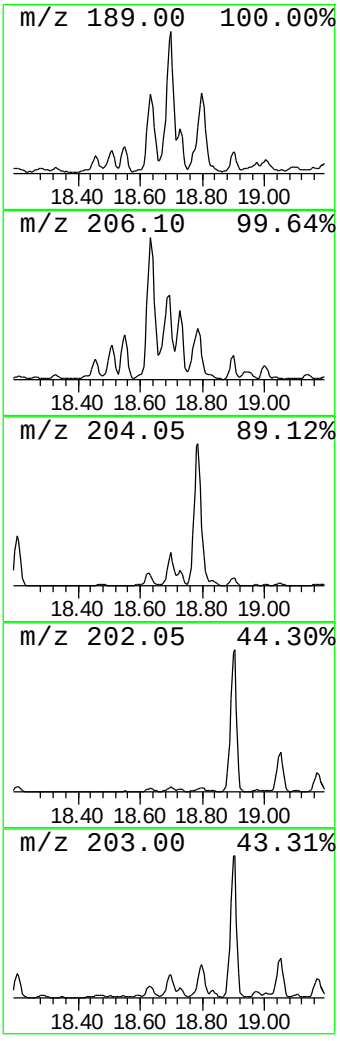
Peak Number 29 Acephenanthrylene, 4,5-dihy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	26.77 ng/ul	4478430	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	66
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
3	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	42
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	41
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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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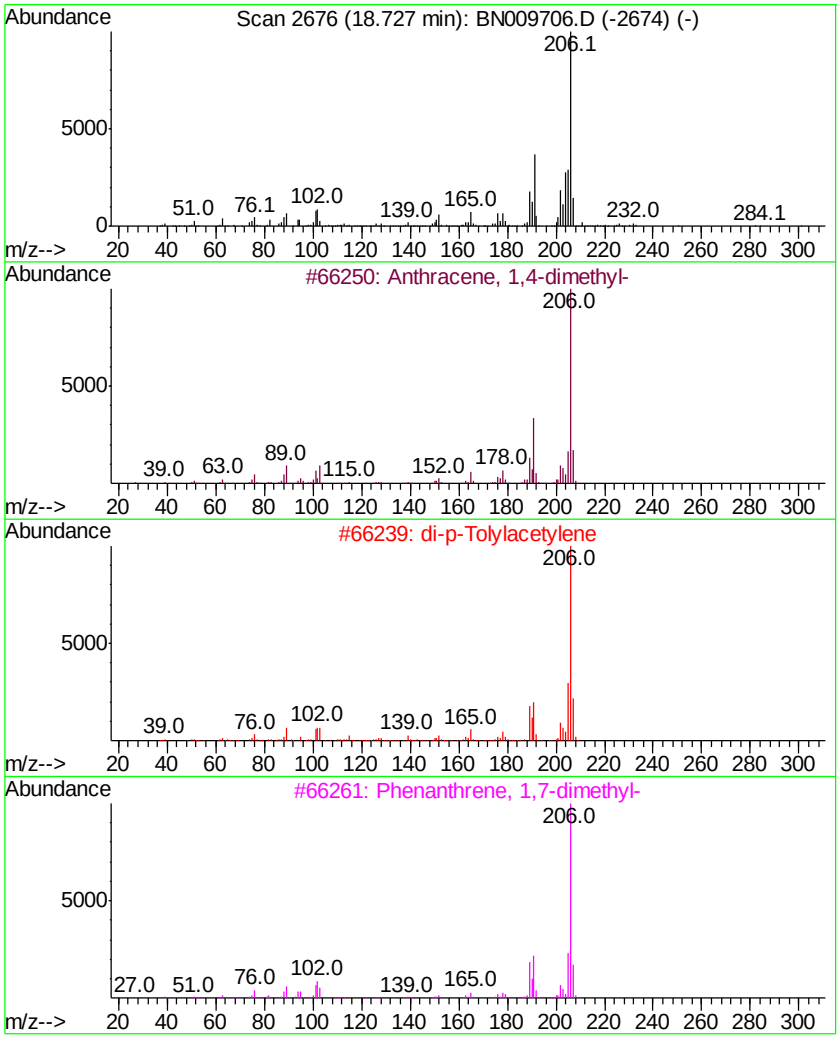
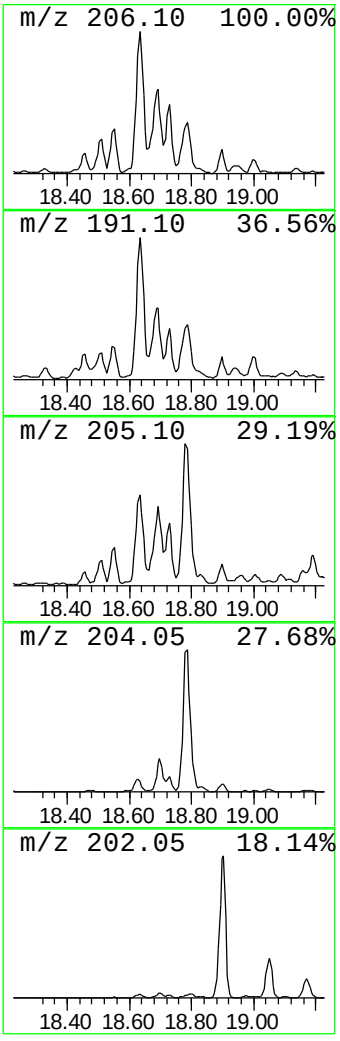
Peak Number 30 Anthracene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	8.56 ng/ul	1432490	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	83





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Misc :
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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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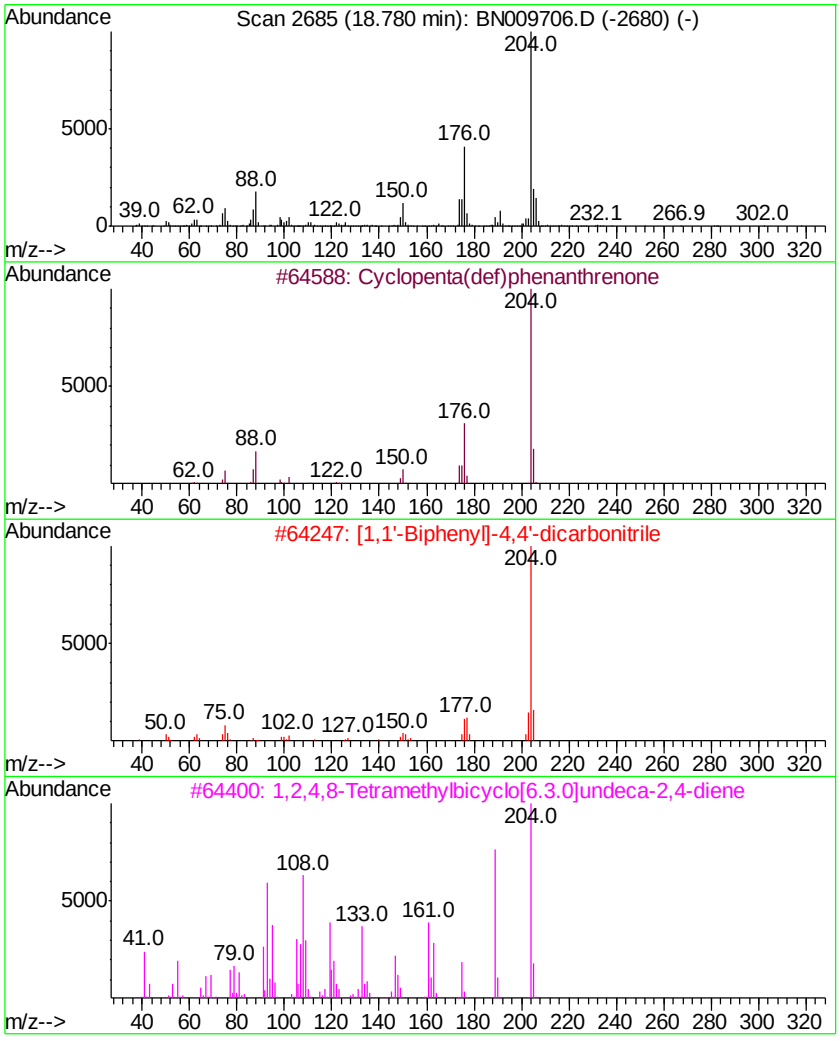
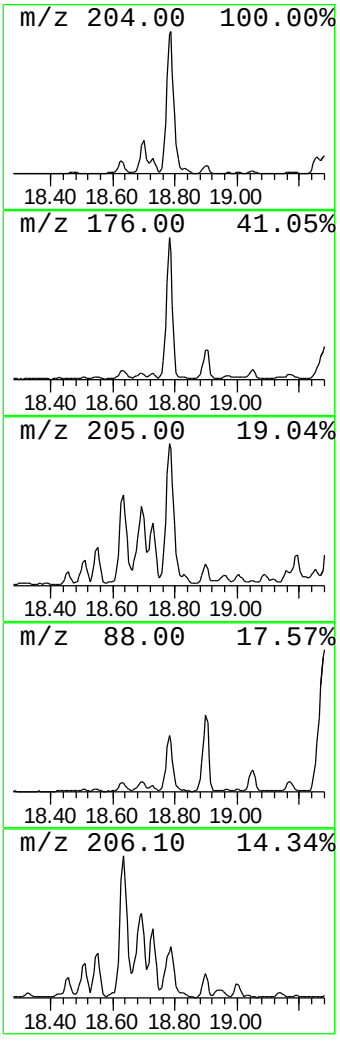
Peak Number 31 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	48.54 ng/ul	8120820	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





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Quant Title : SVOA CALIBRATION

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

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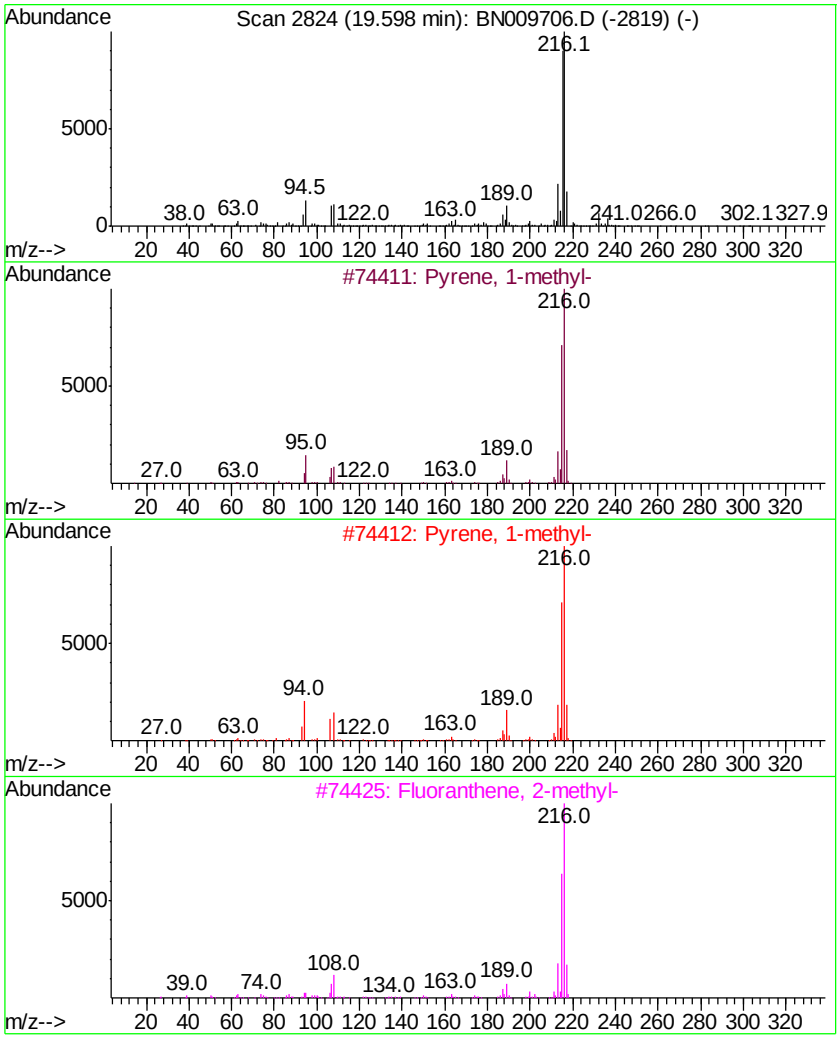
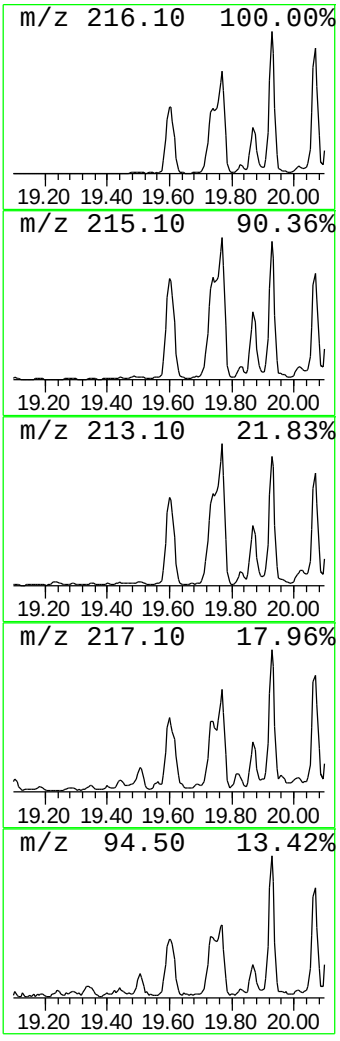
Peak Number 34 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.60	5.36 ng/ul	6397130	Chrysene-d12	21.05

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	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Quant Title : SVOA CALIBRATION

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

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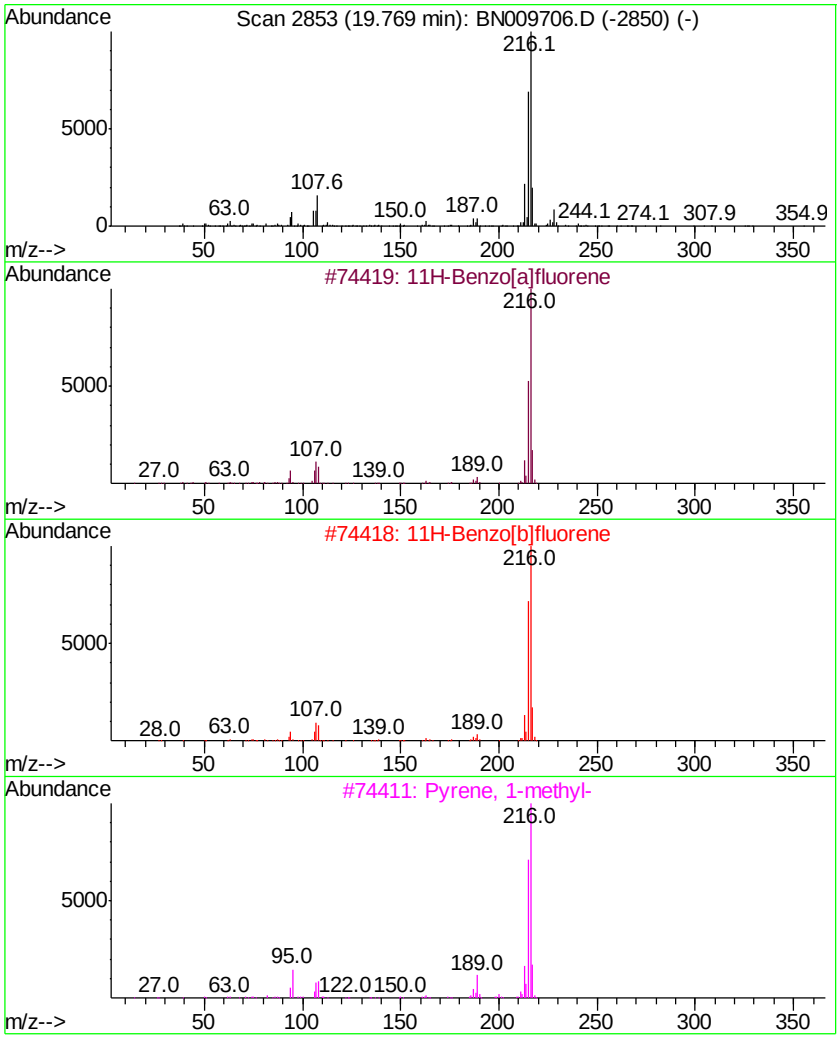
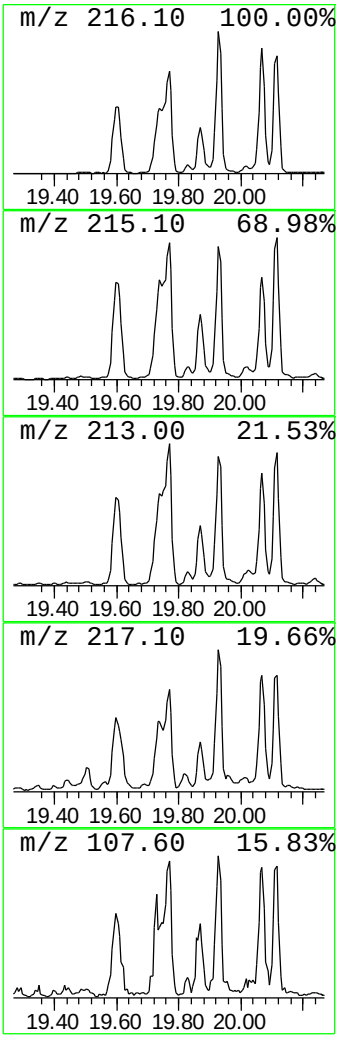
Peak Number 36 11H-Benzo[a]fluorene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	4.73 ng/ul	5651960	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Misc :
ALS Vial : 7 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

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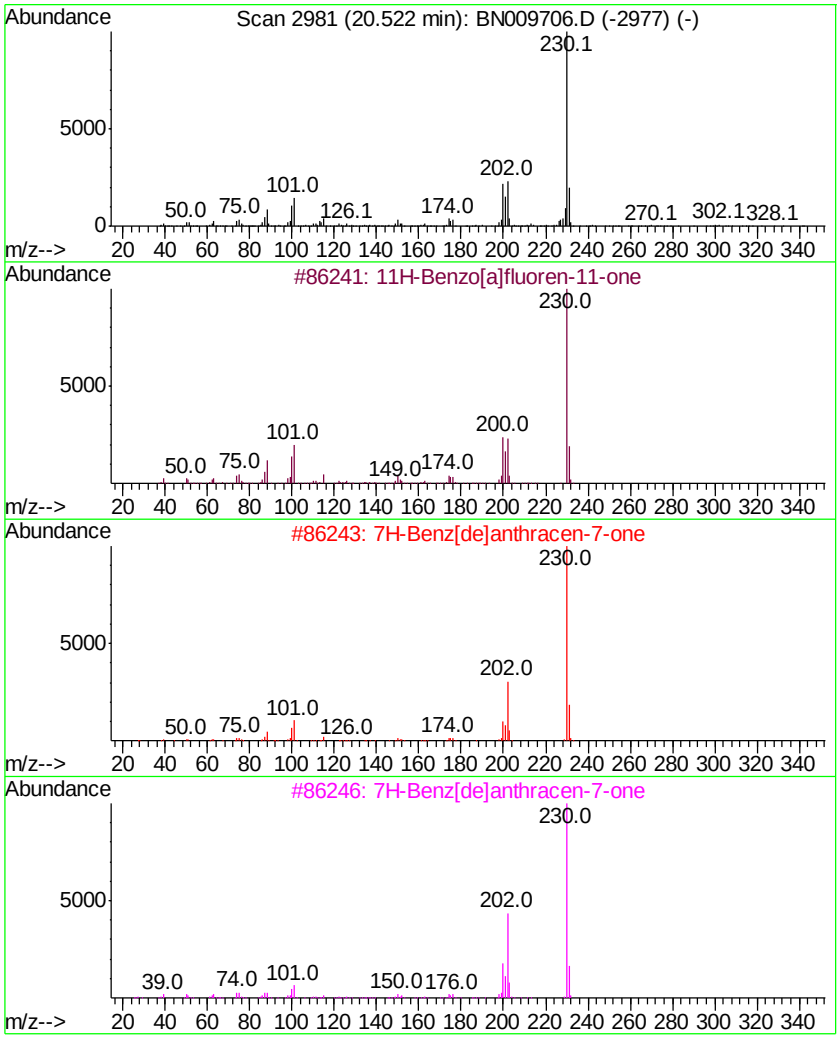
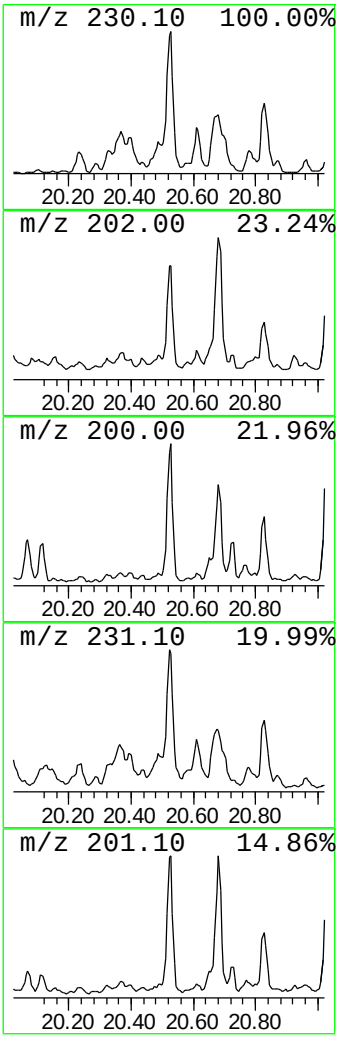
Peak Number 40 11H-Benzo[a]fluoren-11-one Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.63 ng/ul	3137880	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	99
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	87





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Data File : BN009706.D
Acq On : 11 Feb 2020 15:50
Operator : CG/JU
Sample : L1324-14 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT69

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

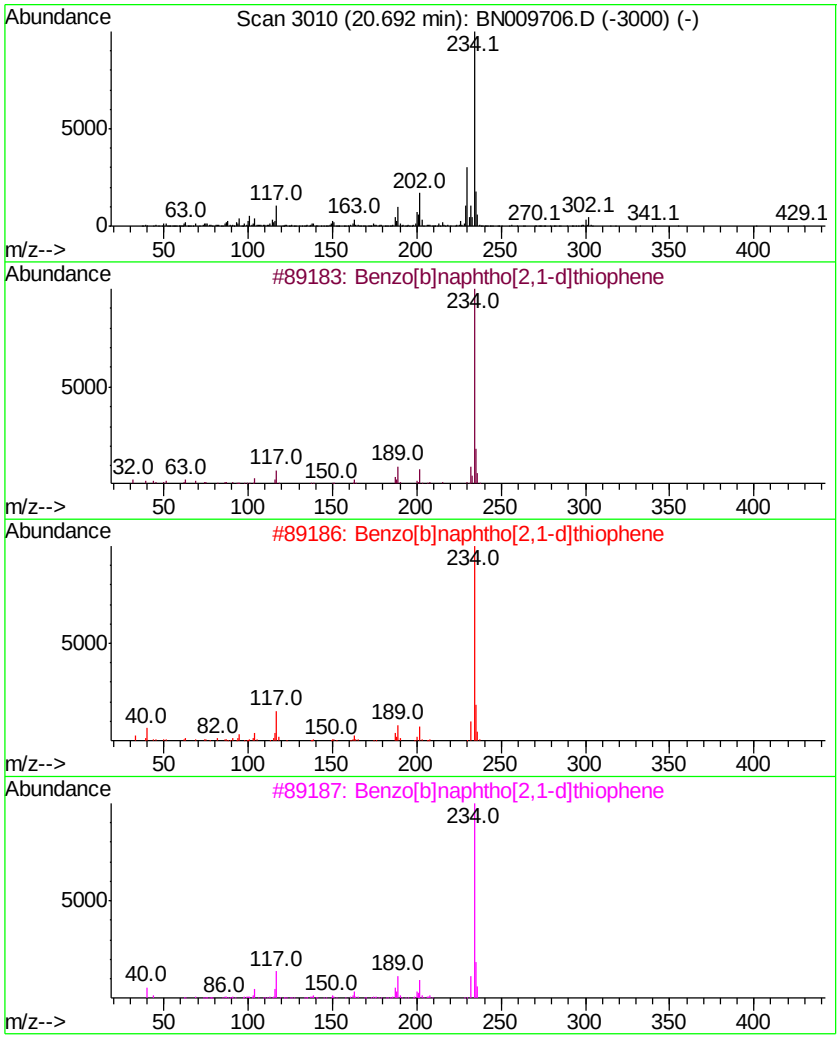
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

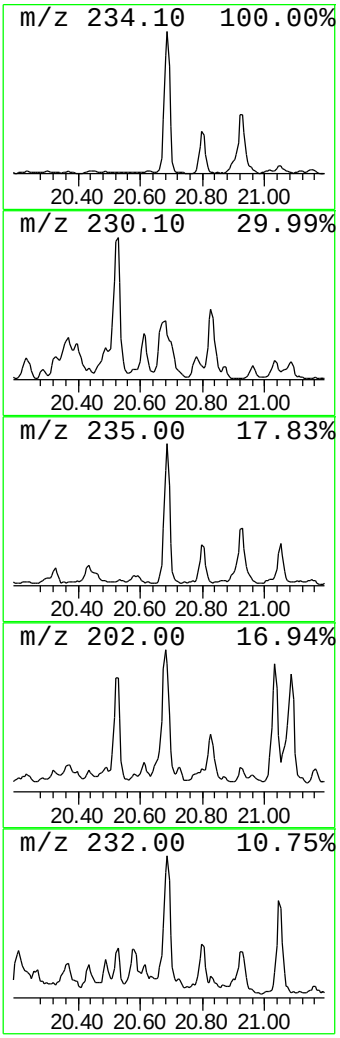
****

Peak Number 41 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	4.13 ng/ul	4932510	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009706.D
Acq On : 11 Feb 2020 15:50
Operator : CG/JU
Sample : L1324-14 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT69

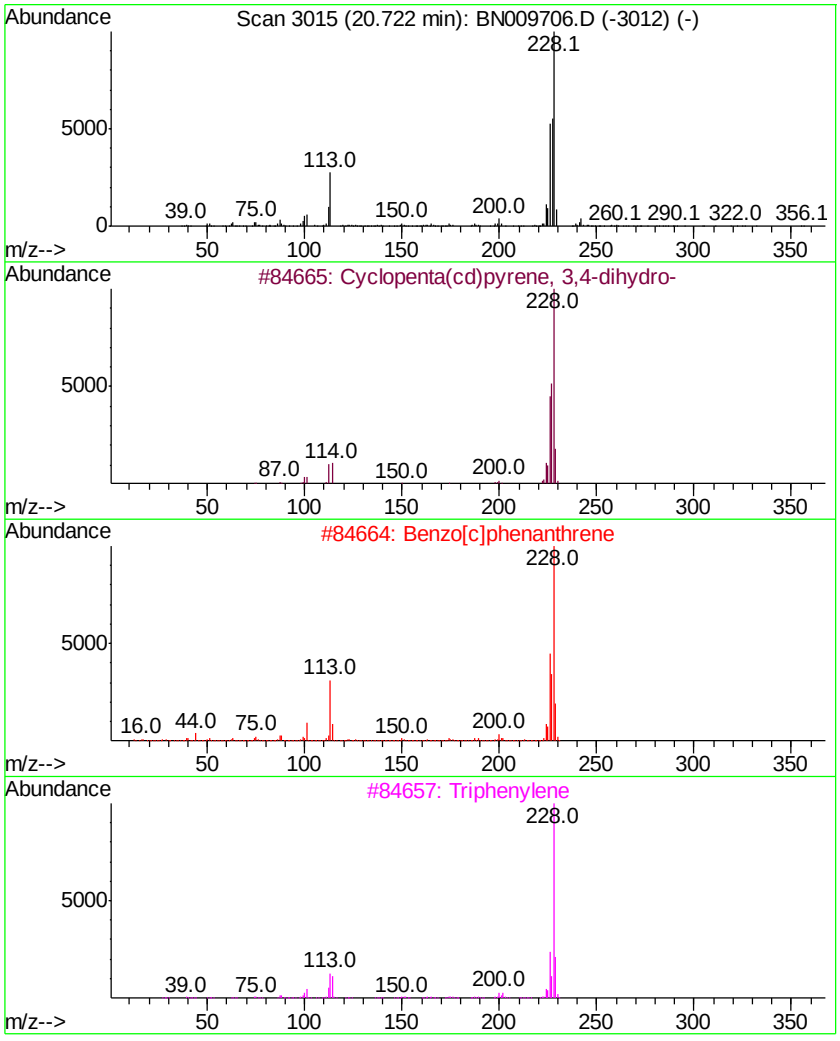
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

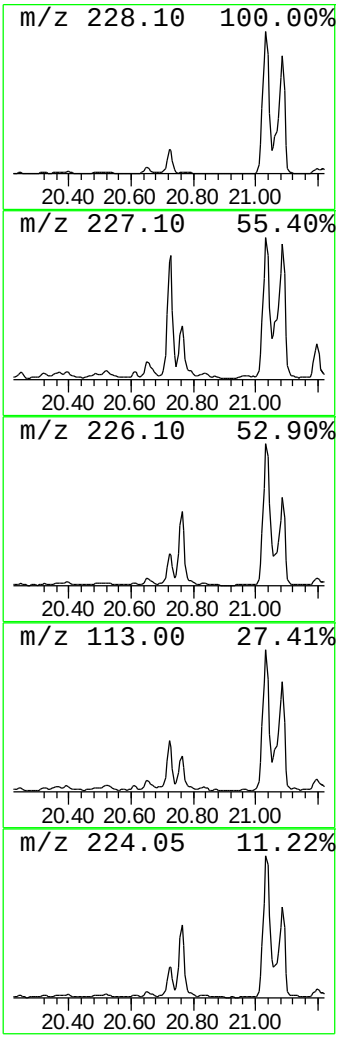
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.72	3.09 ng/ul	3692820	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Triphenylene	228	C18H12	000217-59-4	46
4	Triphenylene	228	C18H12	000217-59-4	45
5	Benz[a]anthracene	228	C18H12	000056-55-3	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\
Data File : BN009706.D
Acq On : 11 Feb 2020 15:50
Operator : CG/JU
Sample : L1324-14 10X
Misc :
ALS Vial : 7 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
Indene	7.95	7.2	ng/ul	616370	1	7.42	1712970	20.0
Benzocycloheptatr...	11.70	8.8	ng/ul	1113470	2	10.17	2520090	20.0
Naphthalene, 2,3,...	14.69	5.2	ng/ul	796706	3	14.06	3091010	20.0
1H-Phenalene	14.95	4.5	ng/ul	690160	3	14.06	3091010	20.0
1-Isopropenylnaph...	15.25	4.3	ng/ul	657802	3	14.06	3091010	20.0
1,1'-Biphenyl, 2-...	15.81	4.1	ng/ul	693201	4	16.82	3346230	20.0
Benzo[h]cinnoline	17.02	5.8	ng/ul	970991	4	16.82	3346230	20.0
Anthracene, 9-eth...	17.35	6.8	ng/ul	1129790	4	16.82	3346230	20.0
1-Methyldibenzoth...	17.40	4.0	ng/ul	677827	4	16.82	3346230	20.0
unknown-01	17.52	11.7	ng/ul	1961480	4	16.82	3346230	20.0
Anthrone	17.63	3.7	ng/ul	619936	4	16.82	3346230	20.0
Phenanthrene, 2-m...	17.70	6.4	ng/ul	1072160	4	16.82	3346230	20.0
4H-Cyclopenta[def...	17.89	47.5	ng/ul	7952170	4	16.82	3346230	20.0
Phenanthrene, 4-m...	17.93	9.4	ng/ul	1566230	4	16.82	3346230	20.0
1,2,3,4-Tetrahydr...	18.02	3.3	ng/ul	550657	4	16.82	3346230	20.0
3,7-Dimethyldiben...	18.10	4.4	ng/ul	735925	4	16.82	3346230	20.0
Naphthalene, 2-ph...	18.20	15.1	ng/ul	2526320	4	16.82	3346230	20.0
1,7-Dimethyldiben...	18.26	6.6	ng/ul	1105130	4	16.82	3346230	20.0
Dibenzothiophene,...	18.43	4.5	ng/ul	757240	4	16.82	3346230	20.0
Phenanthrene, 3,6...	18.46	3.9	ng/ul	657506	4	16.82	3346230	20.0
di-p-Tolylacetylene	18.50	5.2	ng/ul	867687	4	16.82	3346230	20.0
Phenanthrene, 2,5...	18.63	25.0	ng/ul	4187620	4	16.82	3346230	20.0
Acephenanthrylene...	18.69	26.8	ng/ul	4478430	4	16.82	3346230	20.0
Anthracene, 1,4-d...	18.73	8.6	ng/ul	1432490	4	16.82	3346230	20.0
Cyclopenta(def)ph...	18.78	48.5	ng/ul	8120820	4	16.82	3346230	20.0
Pyrene, 1-methyl-	19.60	5.4	ng/ul	6397130	5	21.05	23875200	20.0
11H-Benzo[a]fluorene	19.77	4.7	ng/ul	5651960	5	21.05	23875200	20.0
11H-Benzo[a]fluor...	20.52	2.6	ng/ul	3137880	5	21.05	23875200	20.0
Benzo[b]naphtho[2...	20.69	4.1	ng/ul	4932510	5	21.05	23875200	20.0
Cyclopenta(cd)pyr...	20.72	3.1	ng/ul	3692820	5	21.05	23875200	20.0