LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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_M\METHODS\SOM-EPA-BM102418MA.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	6.834	645	654	671	rBV2	954604	2066256	4.03%	0.447%
2	6.998	676	682	695	rBV	756438	1160793	2.26%	0.251%
3	7.193	705	715	725	rBV	970894	1570958	3.06%	0.340%
4	7.657	782	794	801	rBV	1276179	2101034	4.10%	0.455%
5	8.357	907	913	921	rBV	1094141	1822407	3.55%	0.394%
6	8.804	983	989	996	rBV	904413	1501138	2.93%	0.325%
7	9.522	1103	1111	1122	rBV	799517	1335559	2.60%	0.289%
8	10.057	1194	1202	1213	rBV	1178348	2065267	4.03%	0.447%
9	10.428	1256	1265	1270	rBV	1910020	3301550	6.44%	0.714%
10	10.475	1270	1273	1280	rVB	573361	915077	1.78%	0.198%
11	10.575	1280	1290	1307	rBV	809725	1571270	3.06%	0.340%
12	11.951	1515	1524	1533	rBV3	129532	382988	0.75%	0.083%
13	12.098	1542	1549	1557	rVB	340585	566454	1.10%	0.123%
14	12.316	1580	1586	1594	rVB	183566	312168	0.61%	0.068%
15	13.716	1818	1824	1828	rVV	2193181	3060950	5.97%	0.662%
16	13.757	1828	1831	1839	rVB	593969	892897	1.74%	0.193%
17	13.986	1858	1870	1873	rBV	2607123	4138008	8.07%	0.895%
18	14.016	1873	1875	1883	rVB	1318390	1606949	3.13%	0.348%
19	14.298	1914	1923	1930	rVV2	2803643	4440256	8.66%	0.961%
20	14.357	1930	1933	1942	rVV	186953	306891	0.60%	0.066%
21	14.522	1953	1961	1971	rBV	602804	1337875	2.61%	0.290%
22	14.698	1984	1991	2001	rVV	620280	1029577	2.01%	0.223%
23	15.292	2086	2092	2098	rVV	3232976	4811195	9.38%	1.041%
24	15.345	2098	2101	2109	rVV4	148778	293458	0.57%	0.064%
25	15.421	2109	2114	2120	rVV	1029984	1384892	2.70%	0.300%
26	15.792	2173	2177	2185	rVB	163941	368885	0.72%	0.080%
27	16.027	2211	2217	2227	rBV3	377774	792514	1.55%	0.171%
28	16.627	2315	2319	2326	rVB	231745	309343	0.60%	0.067%
29	16.704	2327	2332	2340	rVB	801122	1147552	2.24%	0.248%
30	16.868	2356	2360	2368	rVB	234785	371757	0.72%	0.080%
31	17.051	2384	2391	2394	rVV	3600912	5300028	10.33%	1.147%
32	17.092	2394	2398	2402	rVV	2504058	3455727	6.74%	0.748%
33	17.145	2402	2407	2410	rVV2	3710866	5384694	10.50%	1.165%
34	17.180	2410	2413	2419	rVV	3118929	4186442	8.16%	0.906%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

35	17.239	2419	2423	2429	rVB2	241840	391048	0.76%	0.085%
36	17.457	2451	2460	2468	rBV2	727496	1489193	2.90%	0.322%
37	17.568	2474	2479	2485	rVB3	226684	431959	0.84%	0.093%
38	17.962	2542	2546	2554	rVB2	958562	1756153	3.42%	0.380%
39	18.051	2557	2561	2565	rVB	444258	587684	1.15%	0.127%
40	18.115	2567	2572	2577	rBV2	679485	1358974	2.65%	0.294%
41	18.321	2603	2607	2611	rVB3	305590	418547	0.82%	0.091%
42	18.427	2622	2625	2628	rVV	341402	386338	0.75%	0.084%
43	18.468	2628	2632	2638	rVB	1181150	1618285	3.16%	0.350%
44	18.768	2679	2683	2687	rBV	297361	375513	0.73%	0.081%
45	18.862	2692	2699	2704	rBV4	573536	1666098	3.25%	0.361%
46	18.909	2704	2707	2711	rVB2	1034866	1193116	2.33%	0.258%
47	18.992	2716	2721	2727	rBV	2621467	3766139	7.34%	0.815%
48	19.045	2727	2730	2734	rVV2	360319	435069	0.85%	0.094%
49	19.115	2736	2742	2749	rVV	16211049	23534385	45.88%	5.093%
50	19.180	2750	2753	2755	rVV	377944	509927	0.99%	0.110%
51	19.215	2755	2759	2762	rVV	831349	1312511	2.56%	0.284%
52	19.262	2765	2767	2771	rVB	784162	885872	1.73%	0.192%
53	19.339	2777	2780	2786	rVB2	838169	1547729	3.02%	0.335%
54	19.451	2794	2799	2801	rBV2	6879911	10225866	19.94%	2.213%
55	19.486	2801	2805	2812	rVV	21395887	31186619	60.80%	6.748%
56	19.551	2812	2816	2822	rVB2	725421	1247783	2.43%	0.270%
57	19.656	2829	2834	2840	rBV2	1213947	2028080	3.95%	0.439%
58	19.727	2840	2846	2851	rVB	4913016	7128340	13.90%	1.542%
59	19.815	2854	2861	2866	rBV3	1733410	3928492	7.66%	0.850%
60	19.862	2866	2869	2872	rBV	273227	363846	0.71%	0.079%
61	19.951	2877	2884	2892	rVB6	1967278	6481942	12.64%	1.403%
62	20.074	2902	2905	2908	rBV	711177	777241	1.52%	0.168%
63	20.133	2909	2915	2919	rBV2	2705634	4571474	8.91%	0.989%
64	20.174	2919	2922	2926	rVB2	653469	826174	1.61%	0.179%
65	20.274	2935	2939	2943	rBV	2432343	3180816	6.20%	0.688%
66	20.321	2943	2947	2951	rVV2	1145501	1796841	3.50%	0.389%
67	20.398	2957	2960	2963	rVB	528108	601907	1.17%	0.130%
68	20.639	2998	3001	3005	rVB2	744949	769418	1.50%	0.166%
69	20.686	3005	3009	3012	rBV	829428	1157813	2.26%	0.251%
70	20.727	3012	3016	3023	rVV2	3488524	5155655	10.05%	1.116%
71	20.892	3038	3044	3048	rBV2	2426965	4655342	9.08%	1.007%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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_M\METHODS\SOM-EPA-BM102418MA.M
Title : SVOA CALIBRATION

72	20.933	3048	3051	3053	rVV	2527420	2927153	5.71%	0.633%
73	20.968	3053	3057	3062	rVV	6851416	9410358	18.35%	2.036%
74	21.027	3063	3067	3071	rVB2	2356311	2934958	5.72%	0.635%
75	21.121	3078	3083	3087	rBV3	1103304	2791622	5.44%	0.604%
76	21.239	3094	3103	3109	rBV2	13301767	33483148	65.28%	7.245%
77	21.292	3109	3112	3121	rVB	13742198	18543312	36.15%	4.013%
78	21.421	3128	3134	3138	rBV4	1745118	3646601	7.11%	0.789%
79	21.550	3152	3156	3162	rBV2	2885837	4283217	8.35%	0.927%
80	21.609	3162	3166	3170	rBV3	1533858	2095046	4.08%	0.453%
81	21.739	3185	3188	3190	rBV2	865684	1140810	2.22%	0.247%
82	21.792	3195	3197	3201	rVV	2451205	2877379	5.61%	0.623%
83	21.850	3202	3207	3212	rVB3	2064679	3983606	7.77%	0.862%
84	21.986	3227	3230	3233	rBV2	1408992	1759442	3.43%	0.381%
85	22.274	3275	3279	3281	rBV	916093	1357622	2.65%	0.294%
86	22.550	3321	3326	3338	rVB4	2653715	6921327	13.49%	1.498%
87	22.680	3345	3348	3353	rVB	2301377	3302762	6.44%	0.715%
88	22.827	3363	3373	3376	rBV	20331820	51290191	100.00%	11.099%
89	22.974	3393	3398	3403	rBV	3330948	5250457	10.24%	1.136%
90	23.103	3415	3420	3428	rBV	1877866	4056600	7.91%	0.878%
91	23.286	3444	3451	3456	rBV	11730406	22970834	44.79%	4.971%
92	23.333	3456	3459	3462	rVV	2535231	4375907	8.53%	0.947%
93	23.380	3462	3467	3473	rVB	11246481	19947830	38.89%	4.316%
94	23.468	3477	3482	3486	rVV	2506349	5057091	9.86%	1.094%
95	23.521	3486	3491	3498	rVB2	4559502	9147956	17.84%	1.980%
96	23.991	3567	3571	3580	rVB4	1164909	2429713	4.74%	0.526%
97	25.009	3739	3744	3749	rBV	759314	1433952	2.80%	0.310%
98	25.444	3813	3818	3829	rVB4	1800633	4542350	8.86%	0.983%
99	25.691	3850	3860	3871	rVB	7252723	21225630	41.38%	4.593%
100	26.368	3964	3975	3994	rVB	4402863	13904773	27.11%	3.009%

Sum of corrected areas: 462132645

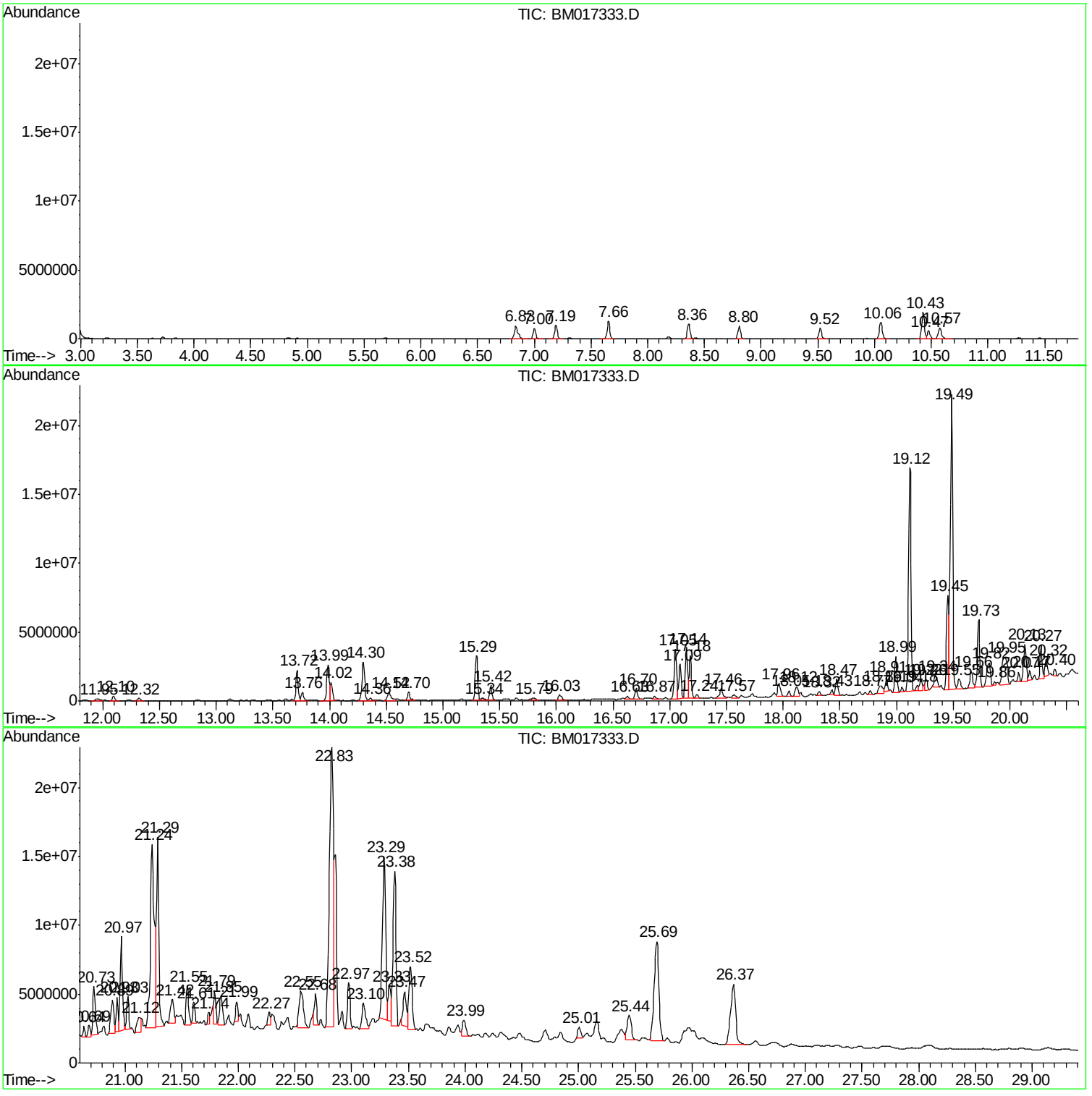
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

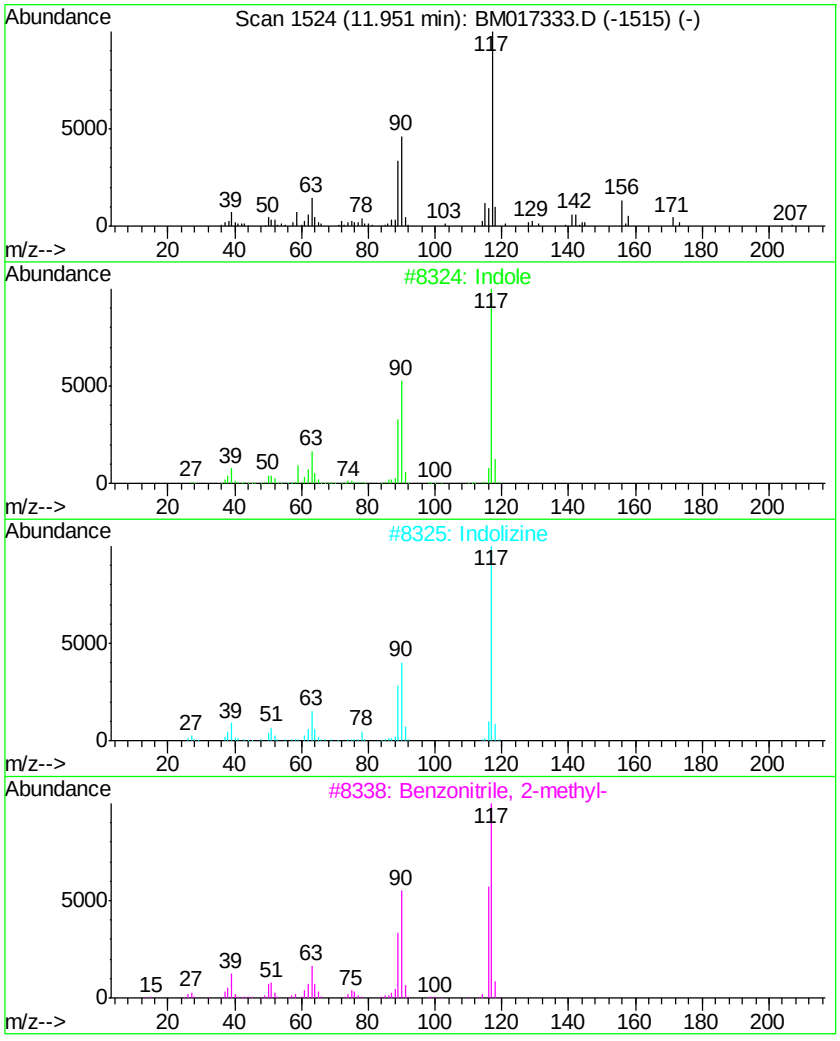
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

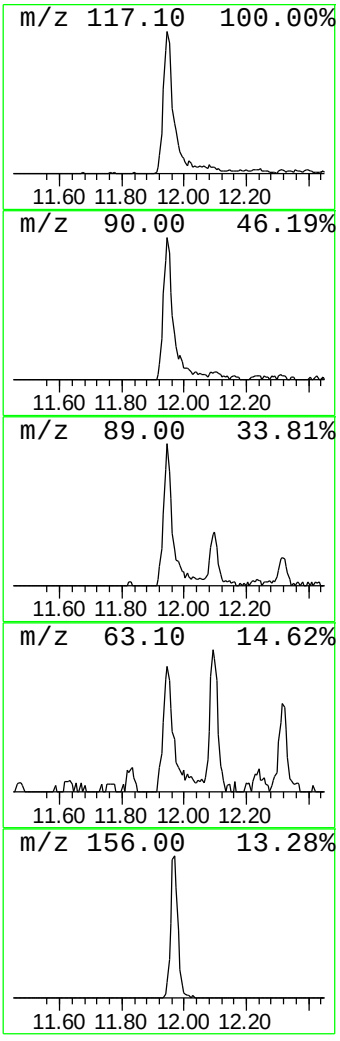
****

Peak Number 1 Indole Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.32 ng/ul	382988	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	95
2	Indolizine	117	C8H7N	000274-40-8	93
3	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	89
4	5H-1-Pyrindine	117	C8H7N	000270-91-7	87
5	Indole	117	C8H7N	000120-72-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

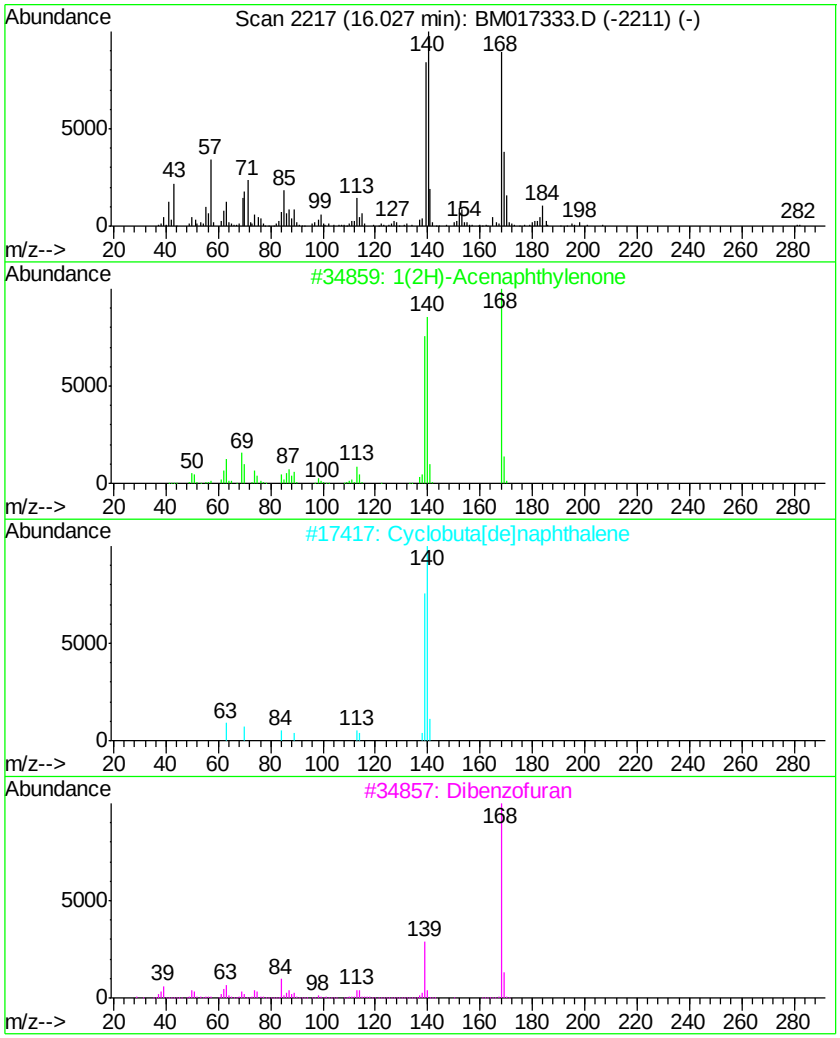
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

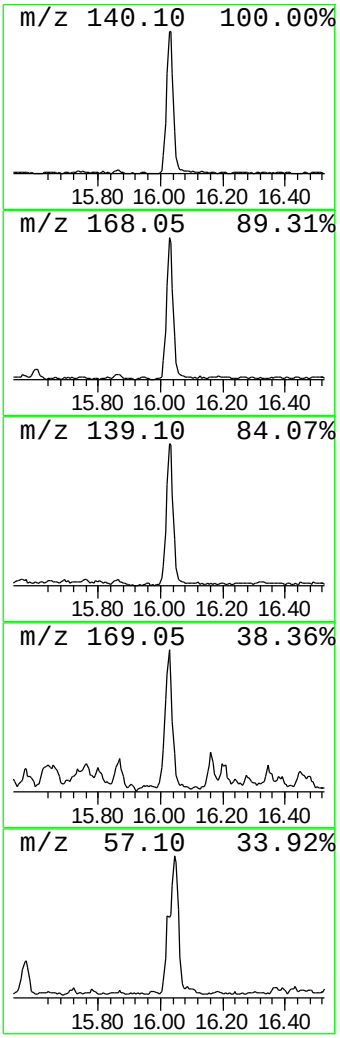
****

Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.99 ng/ul	792514	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	43
5	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

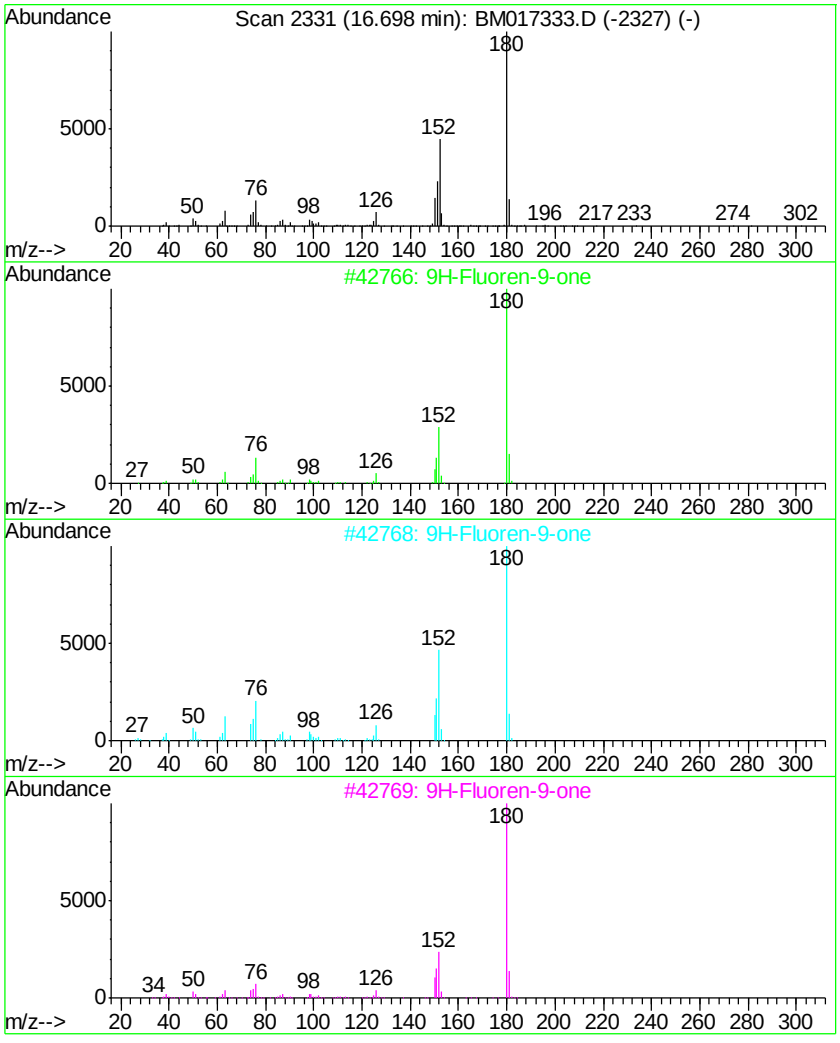
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

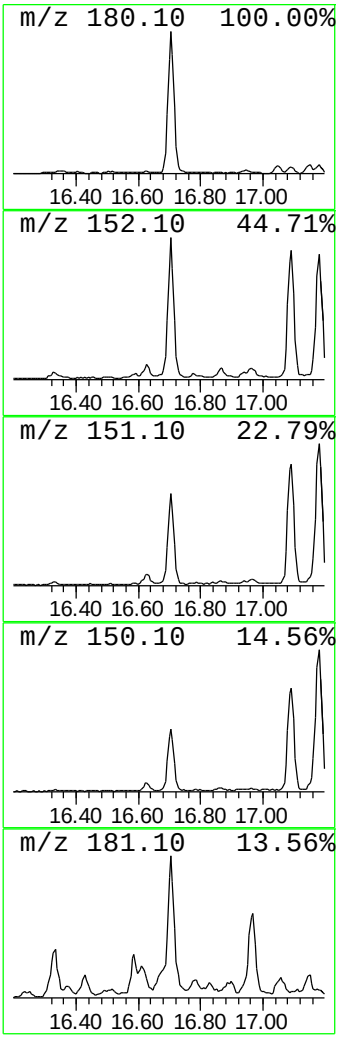
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	4.33 ng/ul	1147550	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

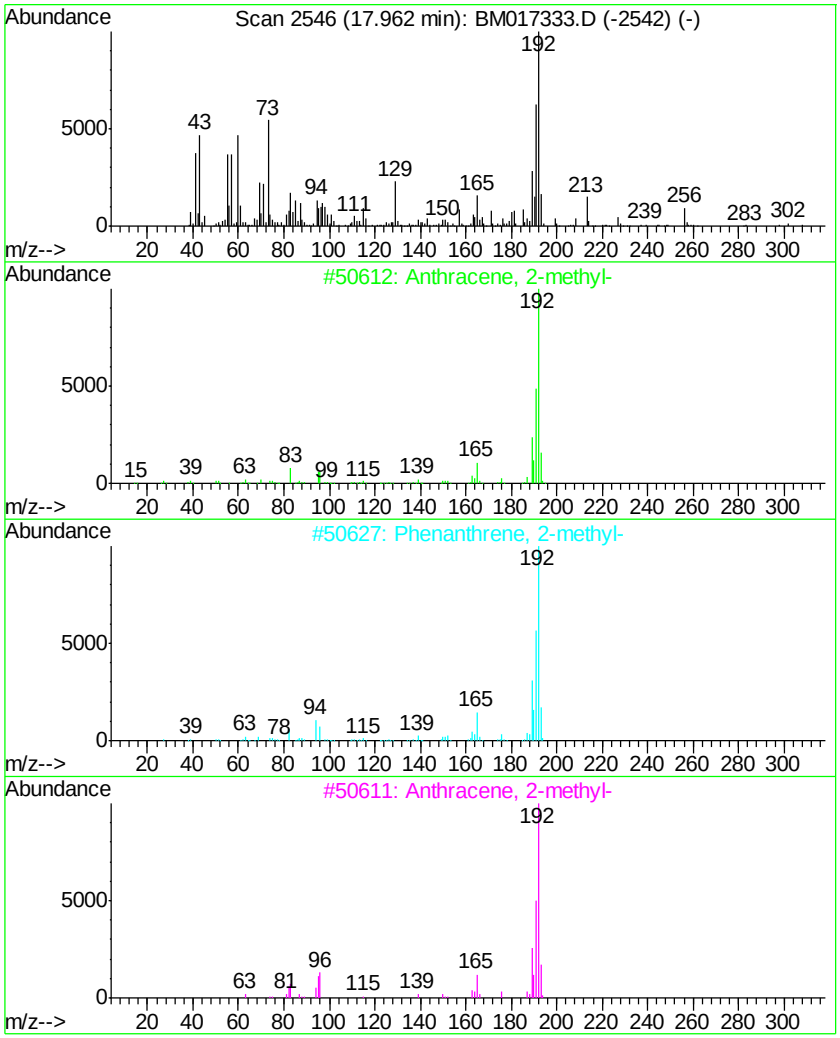
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

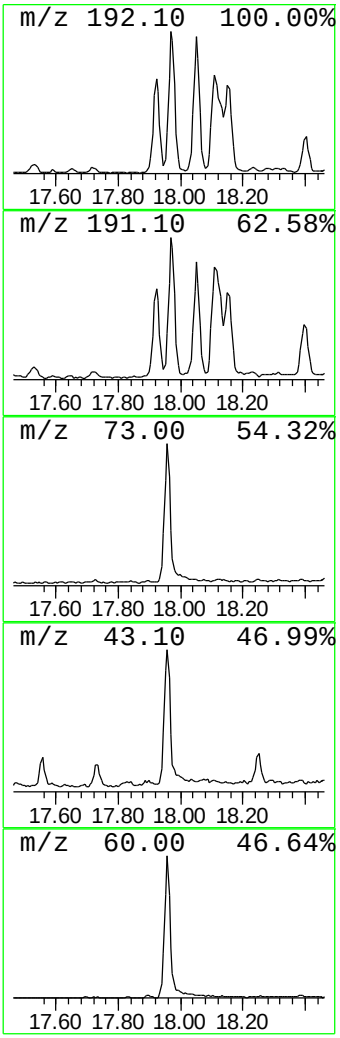
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	6.63 ng/ul	1756150	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

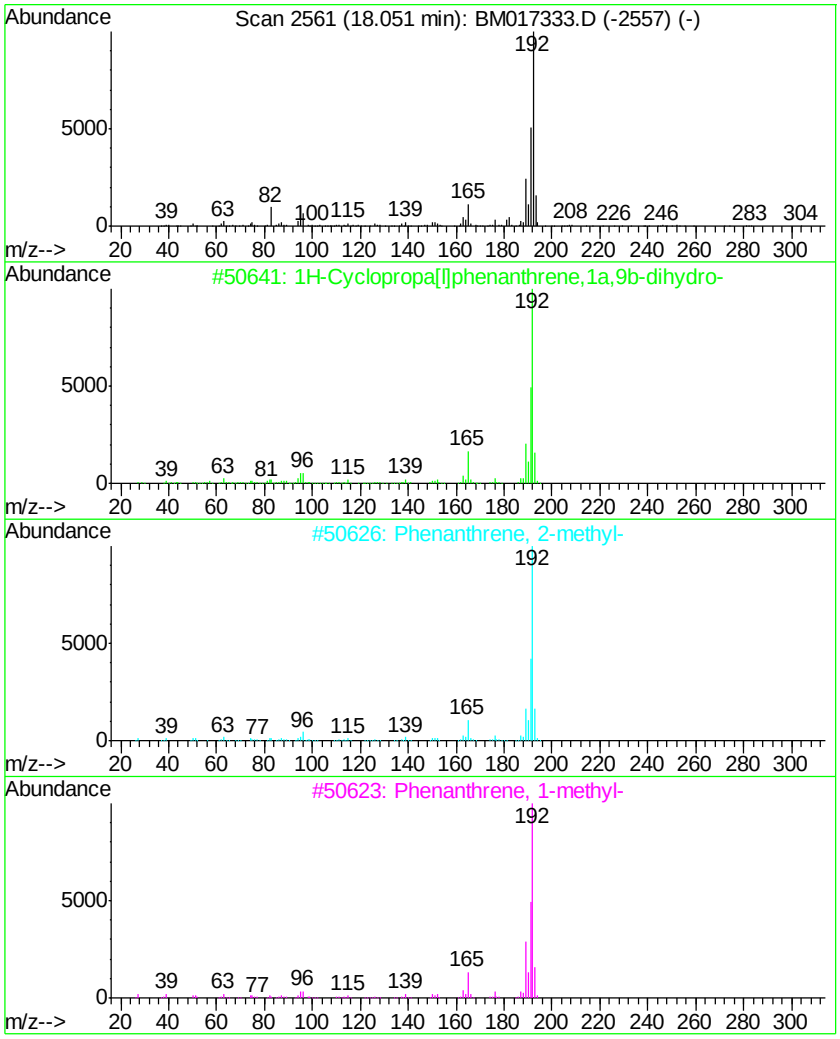
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

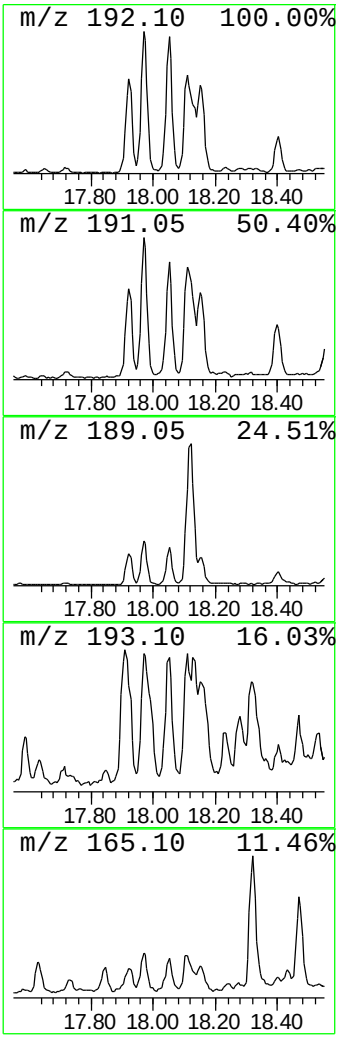
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.22 ng/ul	587684	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Operator : MJ/SJ
Sample : J5598-07
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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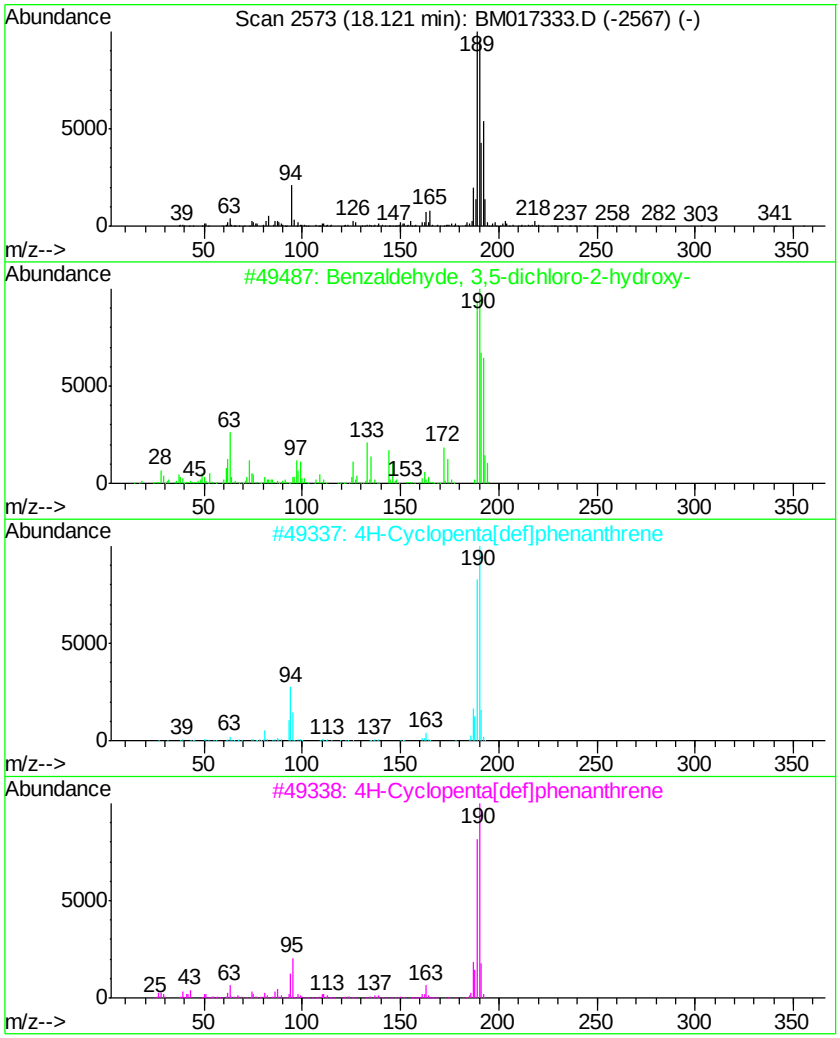
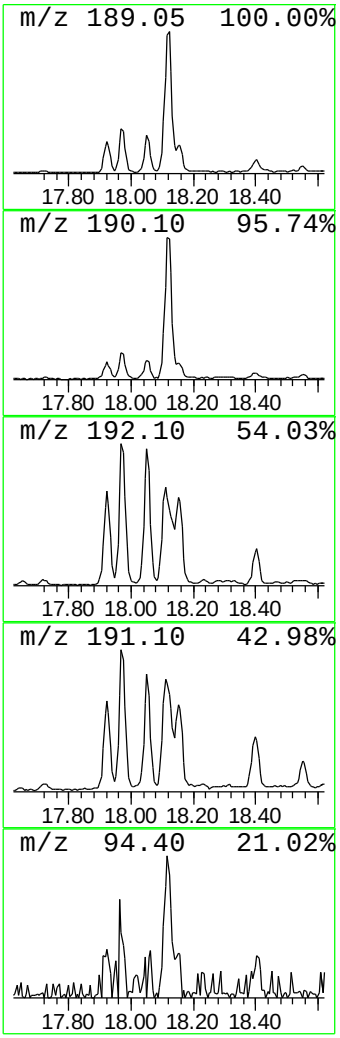
Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.13 ng/ul	1358970	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

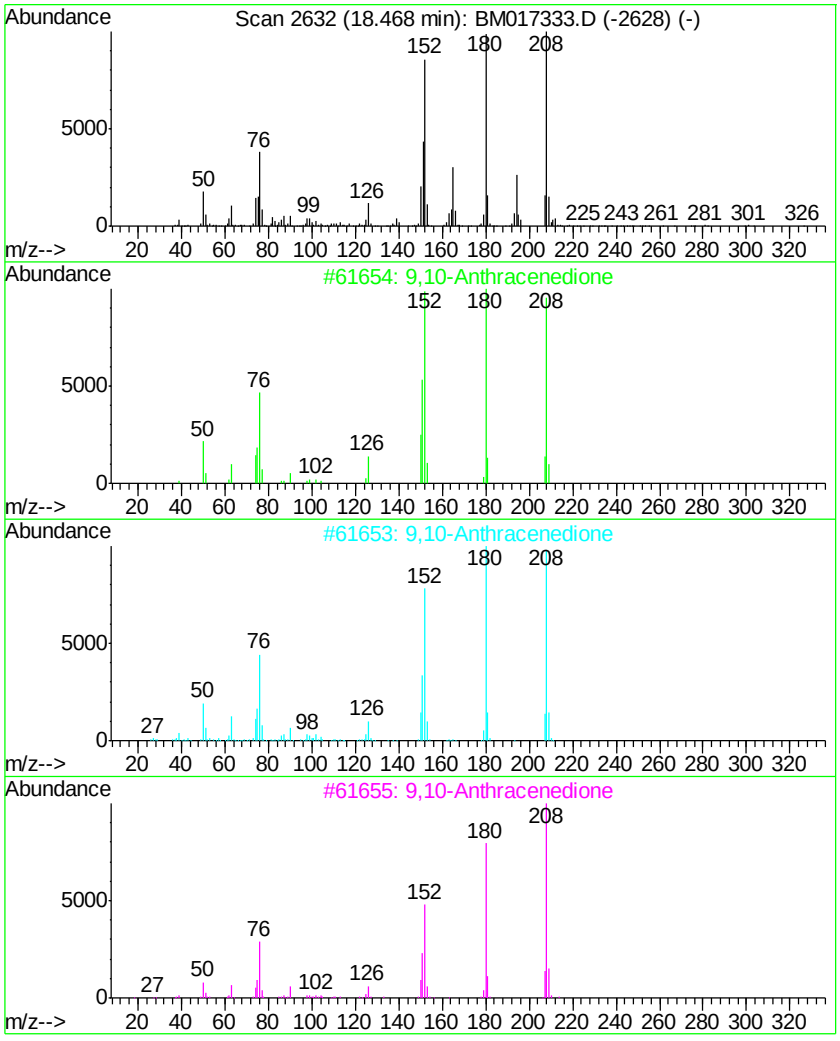
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

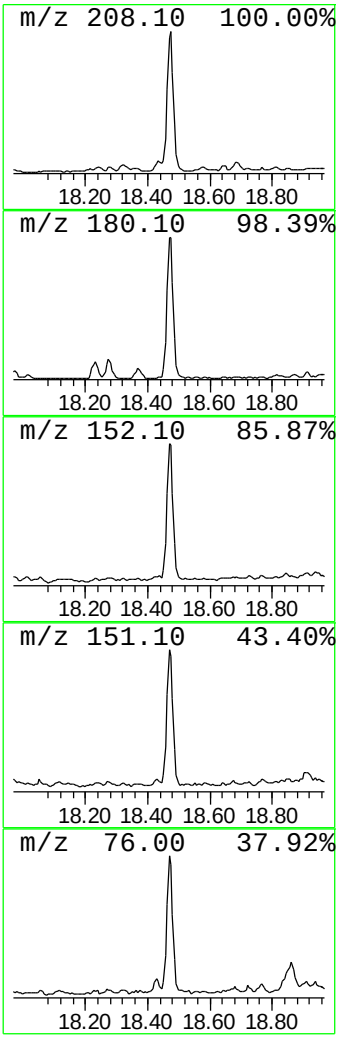
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	6.11 ng/ul	1618290	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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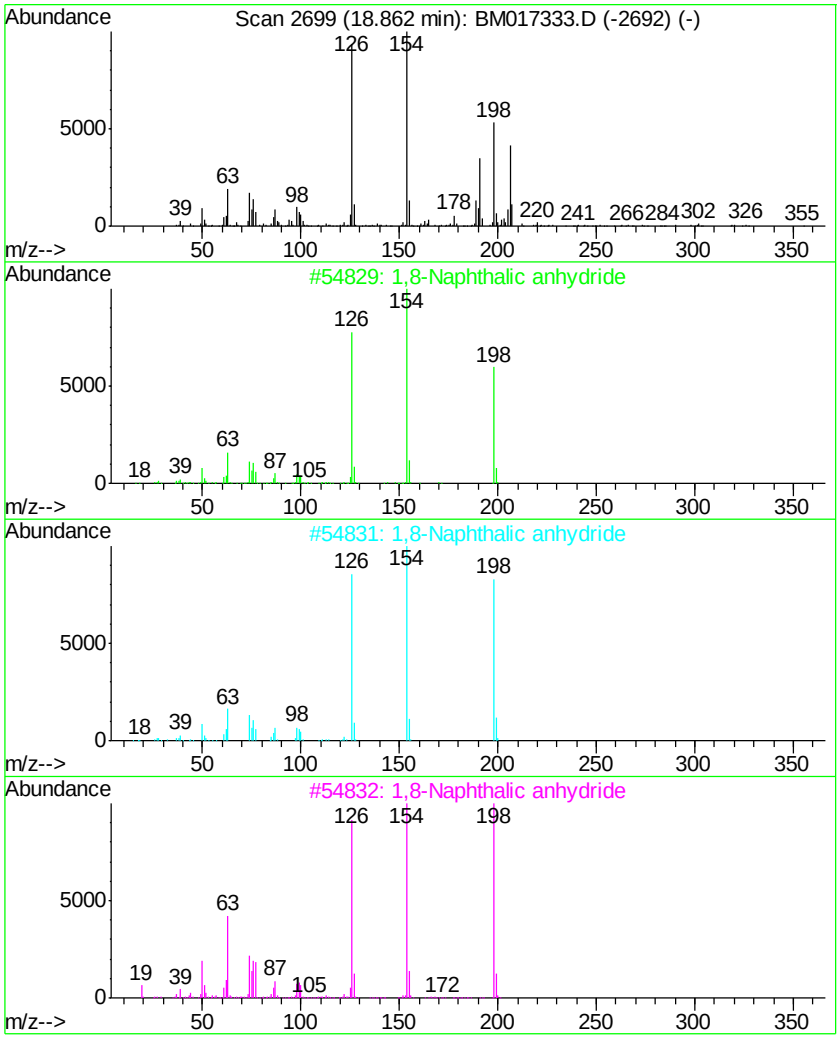
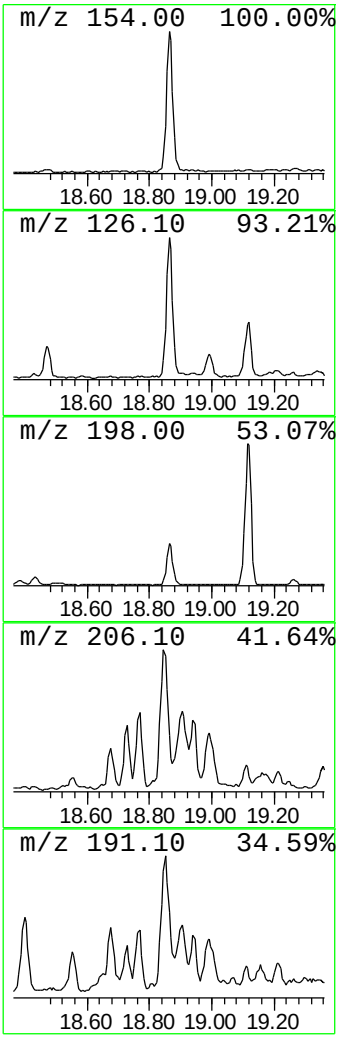
Peak Number 8 1,8-Naphthalic anhydride Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	6.29 ng/ul	1666100	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
3	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
4	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	95
5	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	58





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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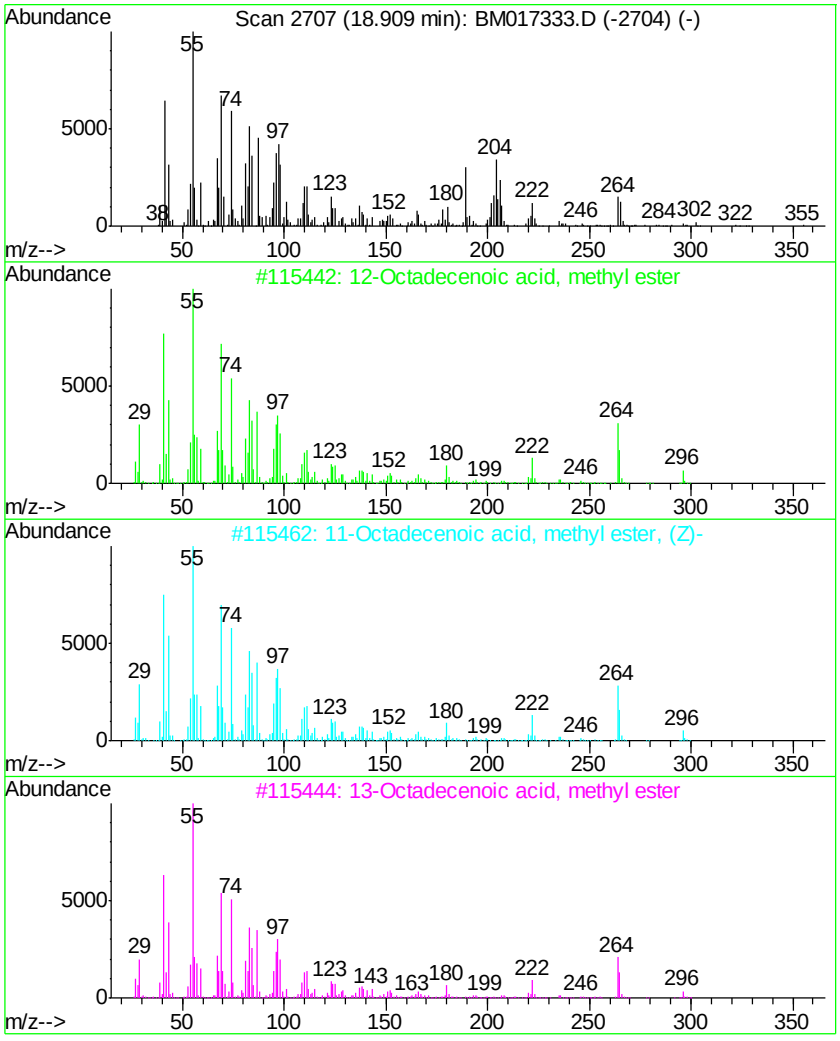
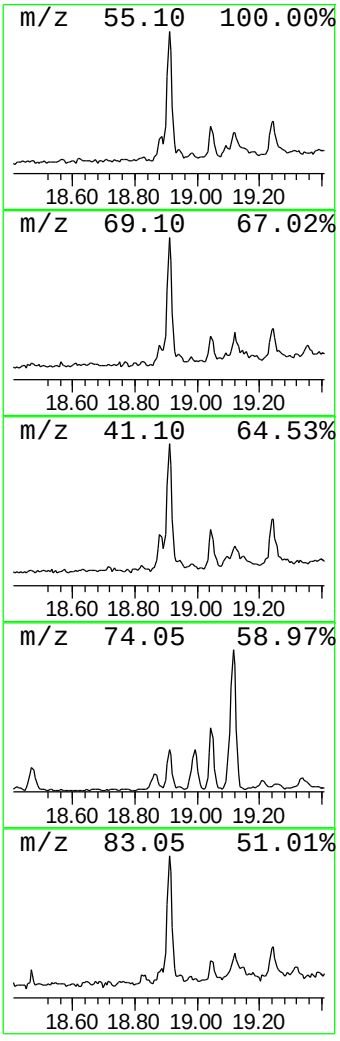
Peak Number 9 12-Octadecenoic acid, methy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	4.50 ng/ul	1193120	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99





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Quant Title : SVOA CALIBRATION

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

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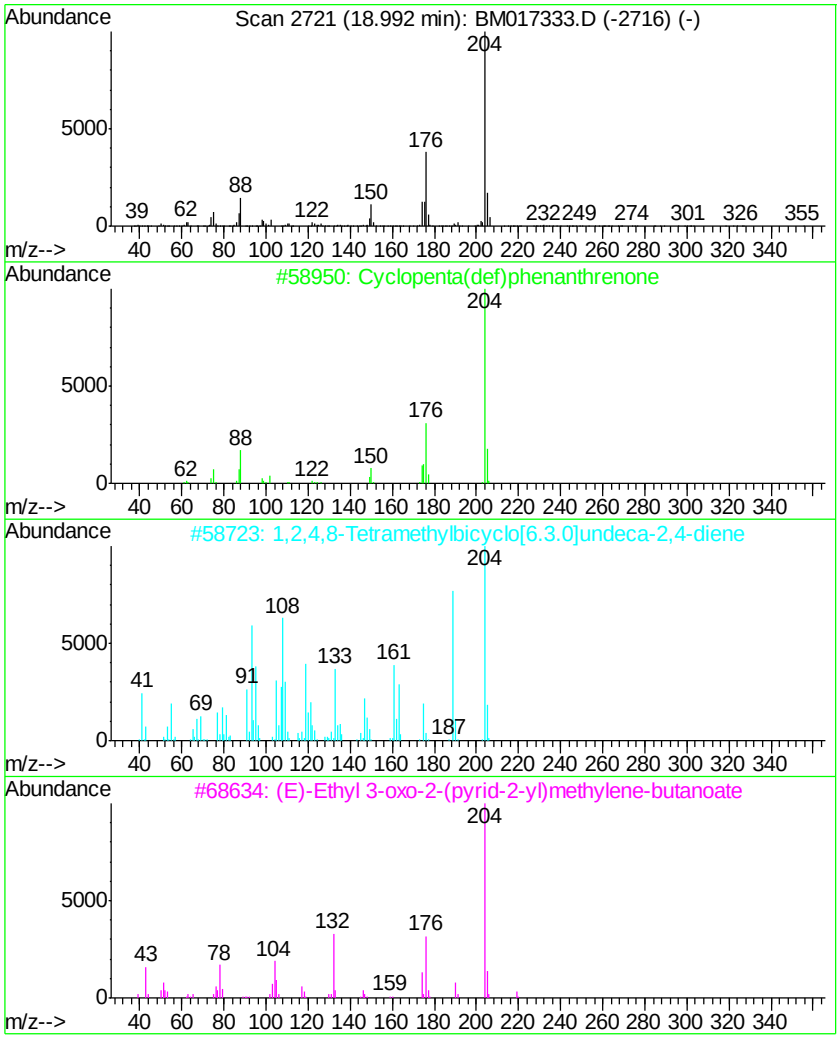
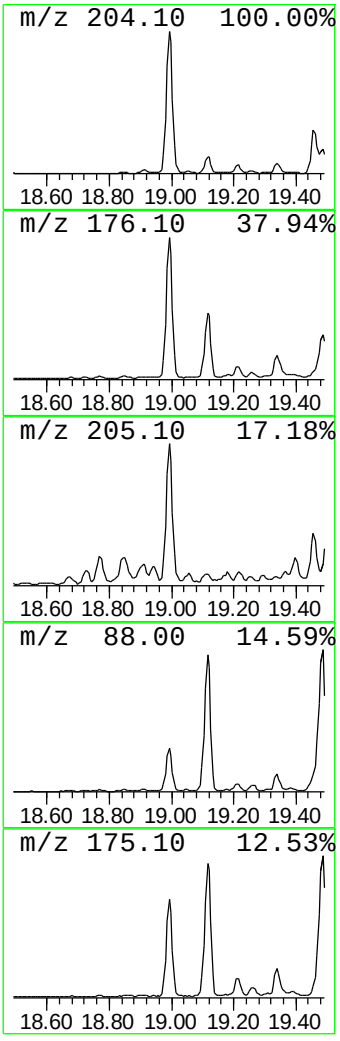
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	14.21 ng/ul	3766140	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	45
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45





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Quant Title : SVOA CALIBRATION

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

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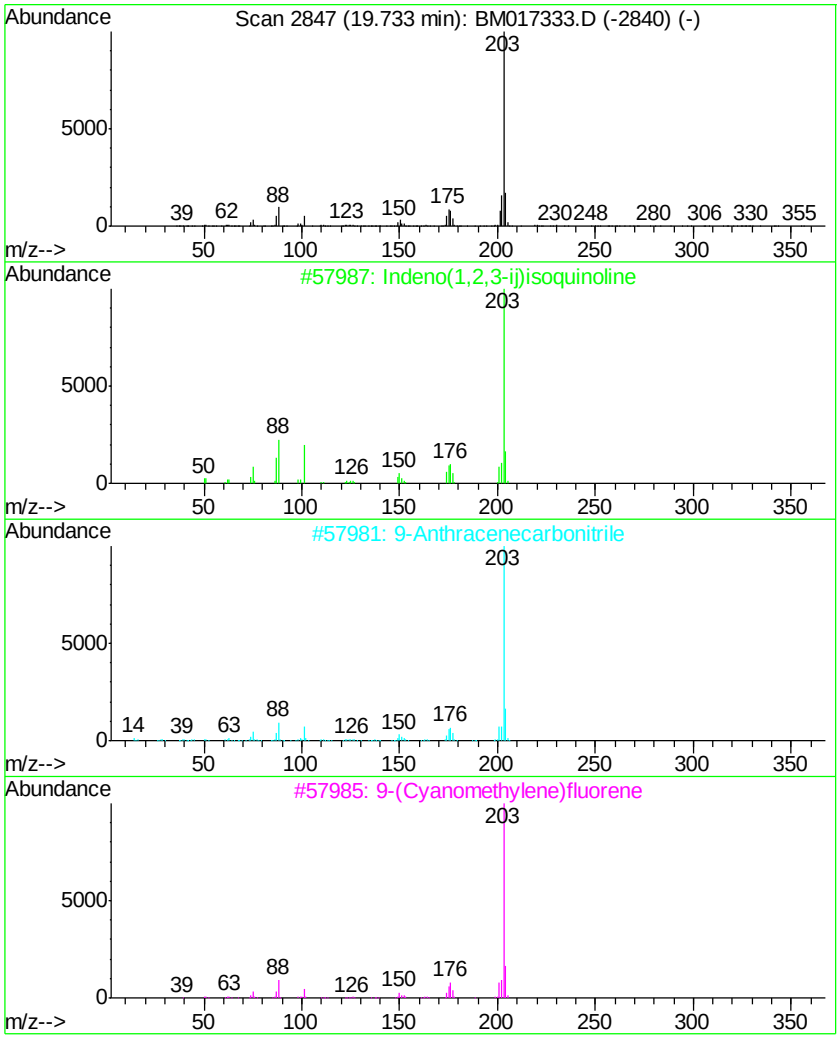
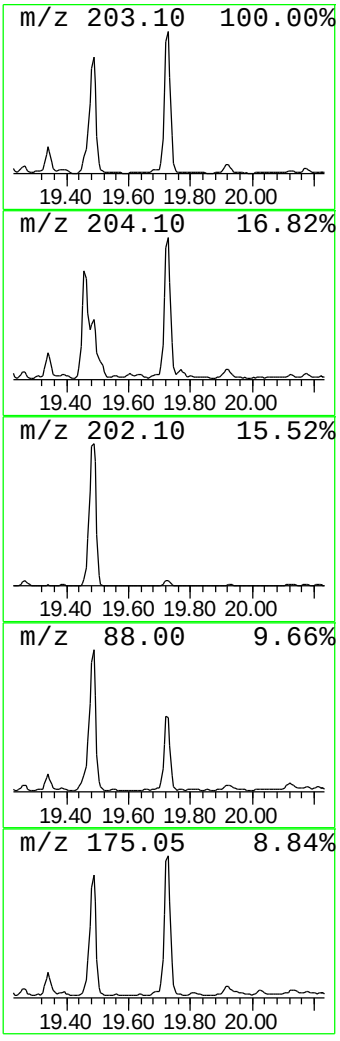
Peak Number 11 Indeno(1,2,3-ij)isoquinoline Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	4.26 ng/ul	7128340	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	97
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	97
3	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	97
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	97
5	4-Azapyrene	203	C15H9N	000194-03-6	95





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Quant Title : SVOA CALIBRATION

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

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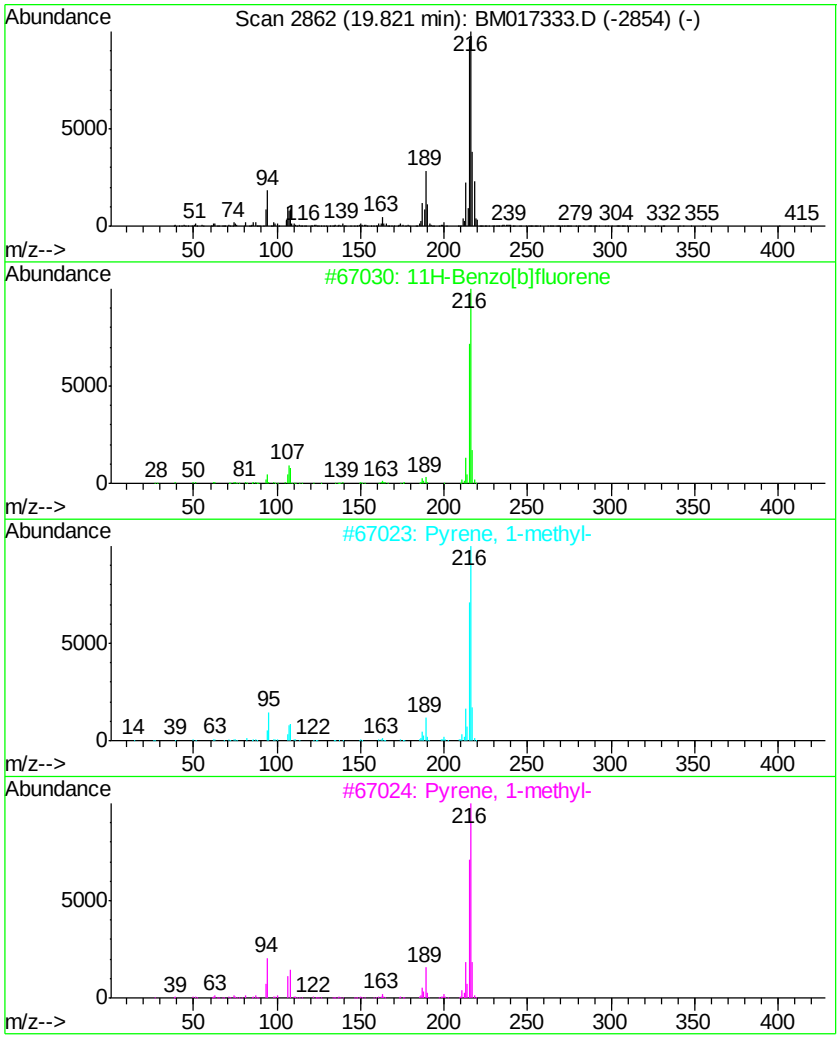
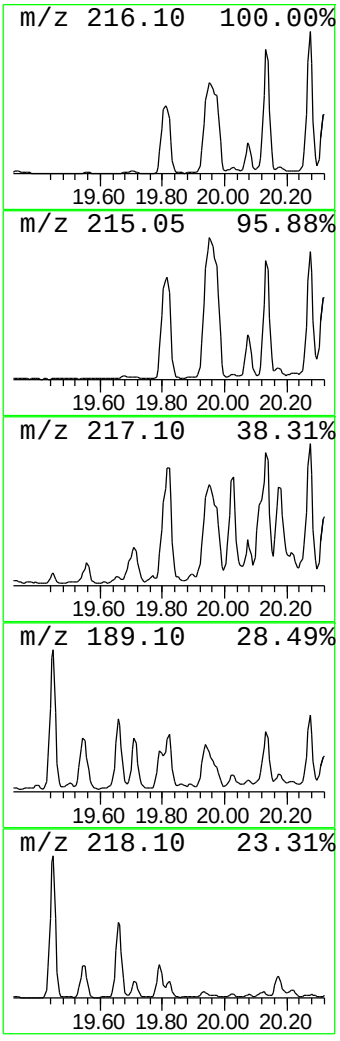
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.35 ng/ul	3928490	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





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Quant Title : SVOA CALIBRATION

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

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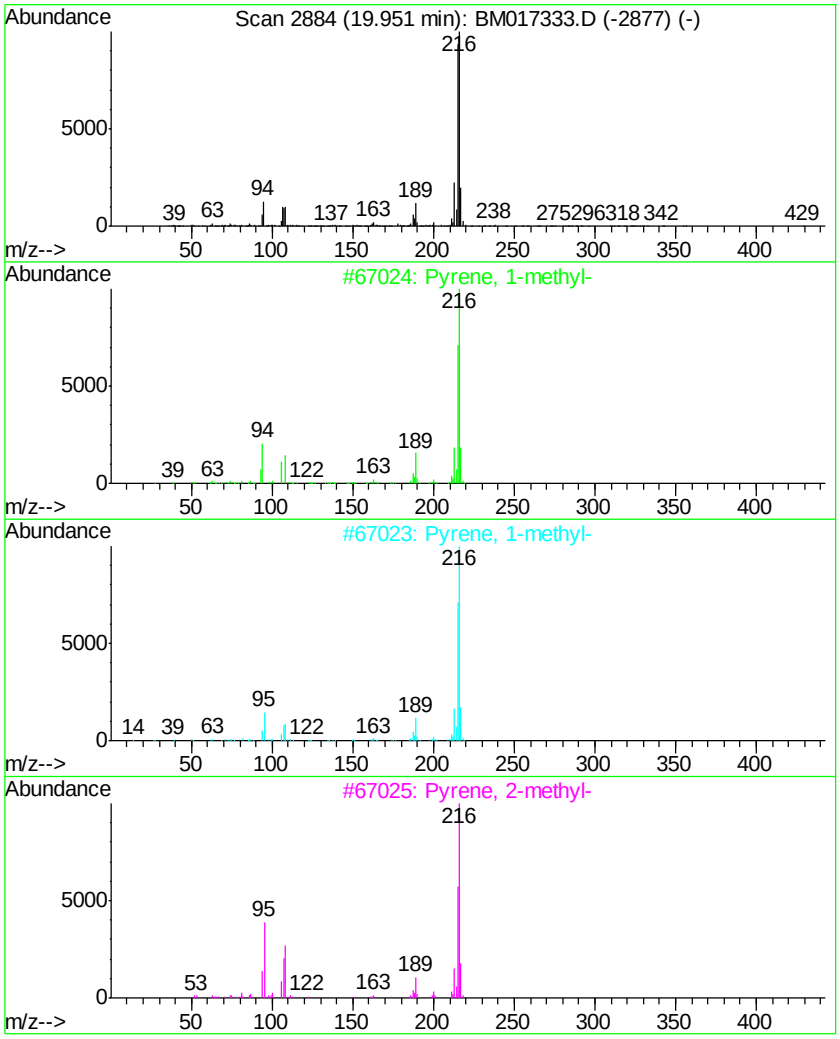
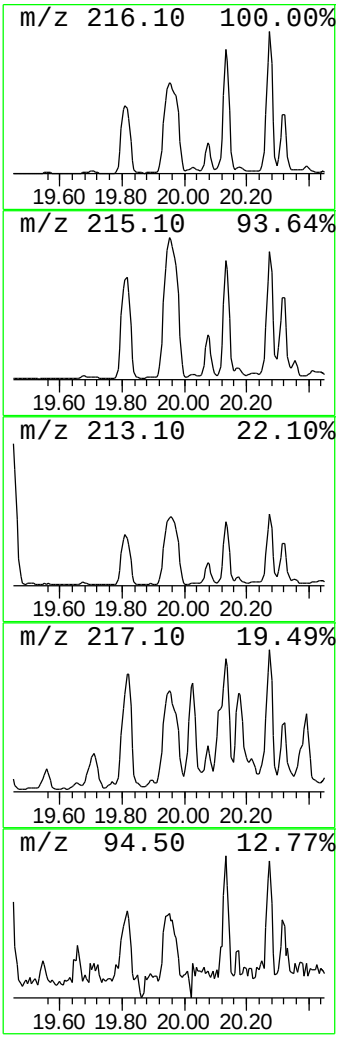
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.95	3.87 ng/ul	6481940	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Quant Title : SVOA CALIBRATION

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

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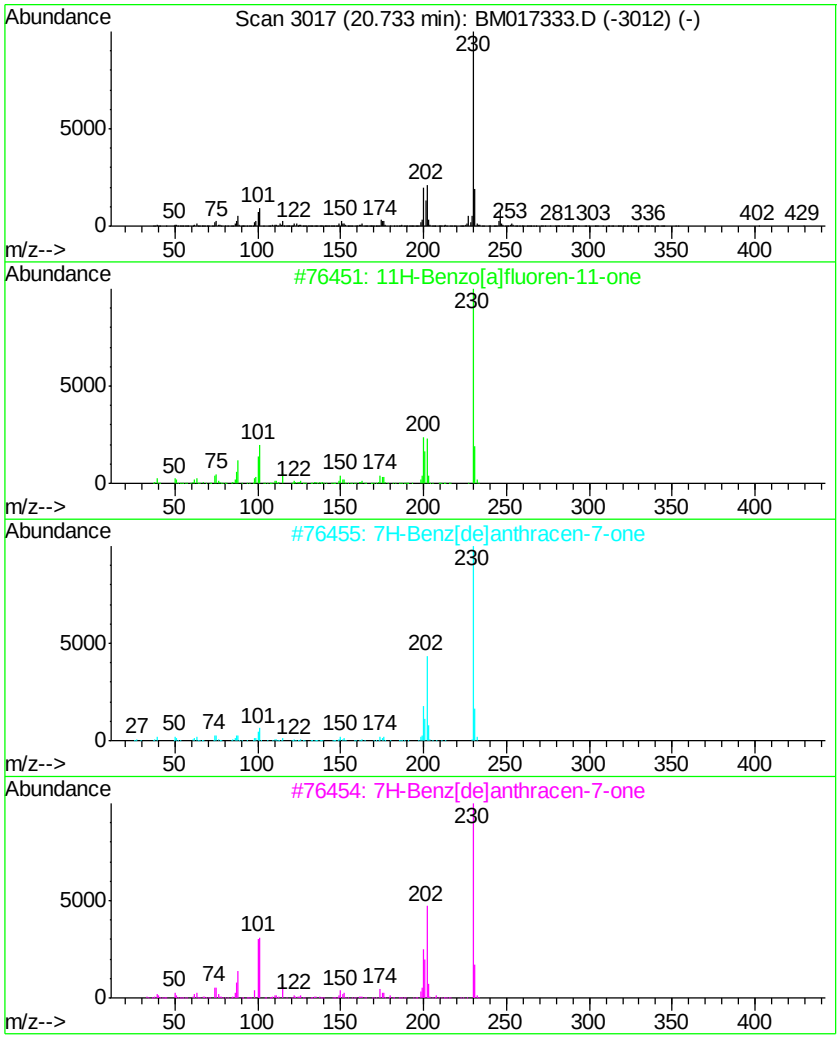
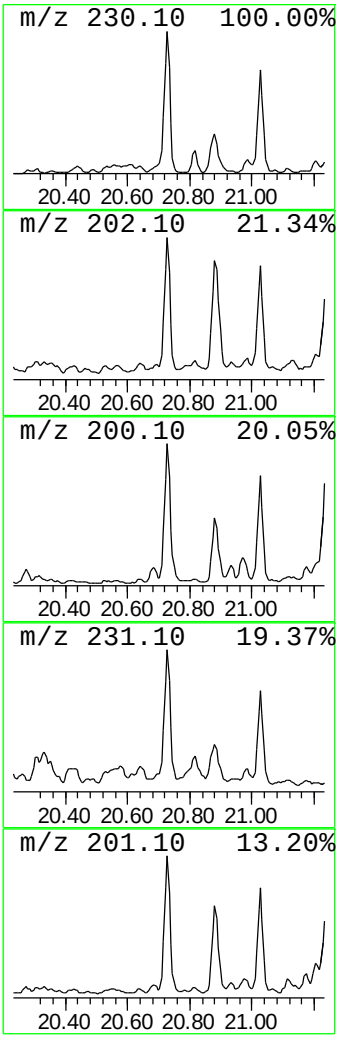
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	3.08 ng/ul	5155660	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
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	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70





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Quant Title : SVOA CALIBRATION

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

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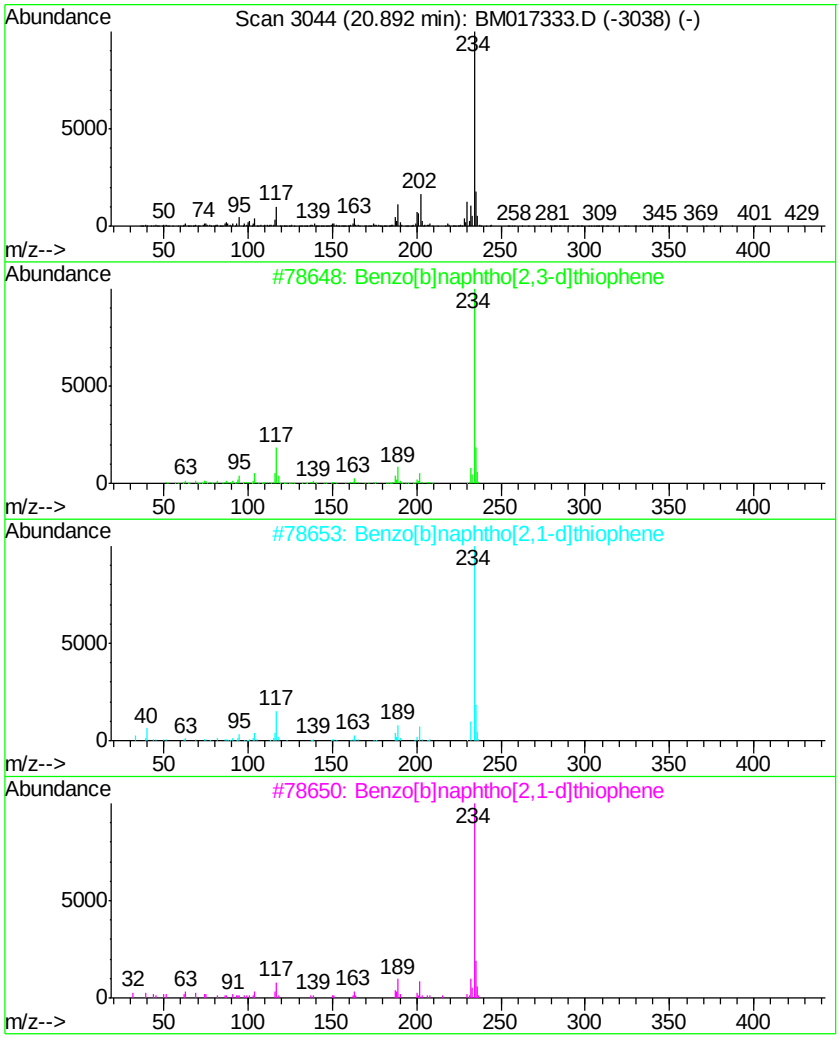
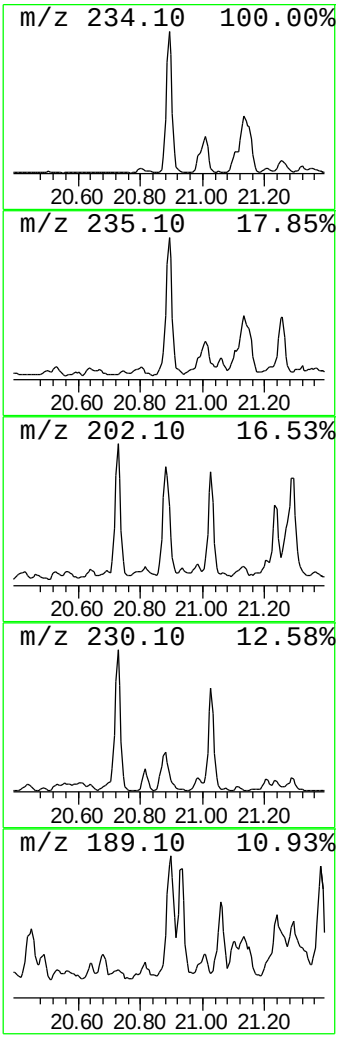
Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.78 ng/ul	4655340	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81





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Quant Title : SVOA CALIBRATION

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

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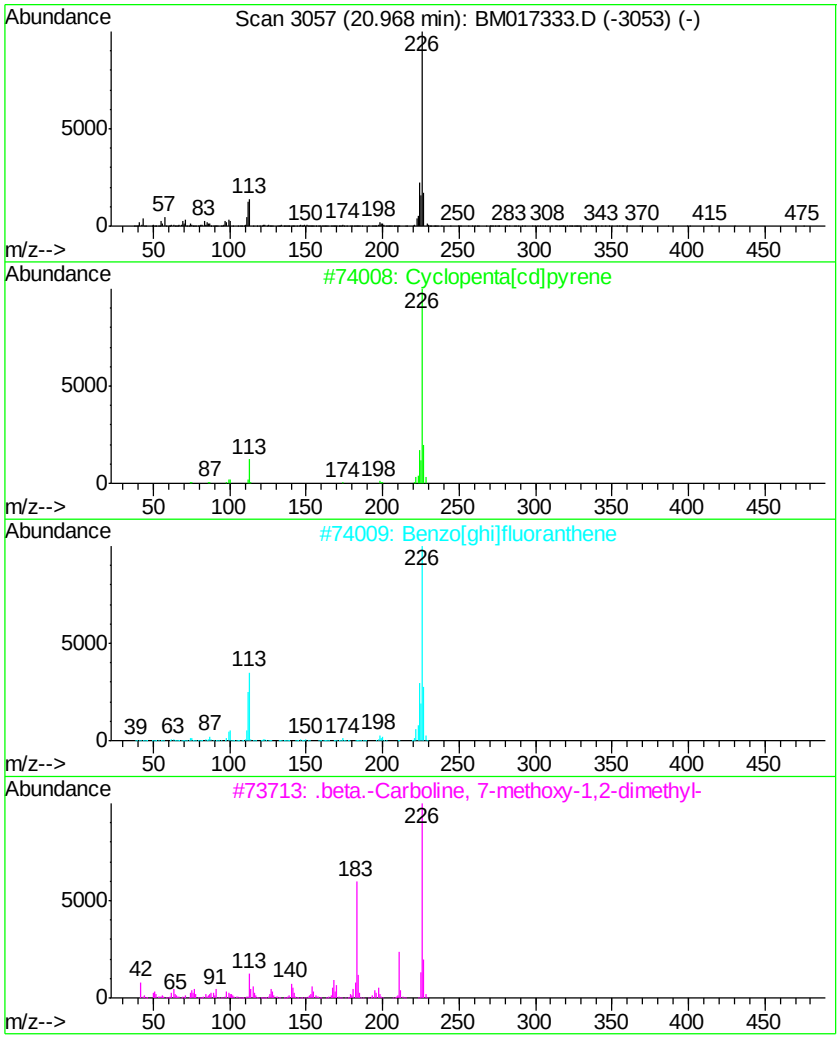
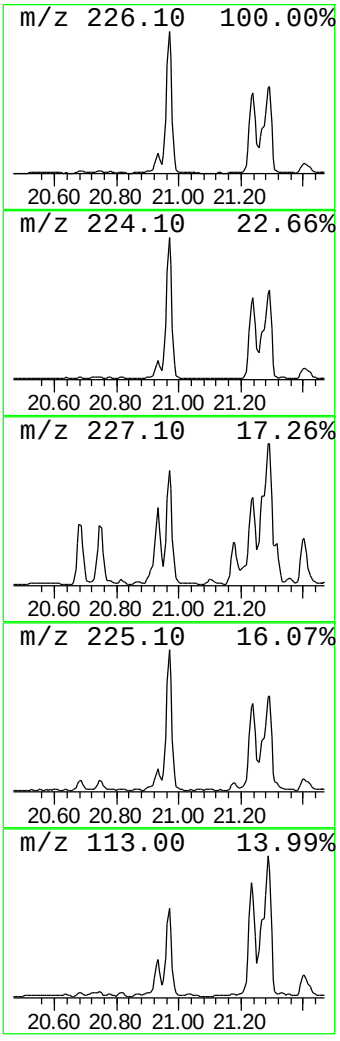
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	5.62 ng/ul	9410360	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	59
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	42
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

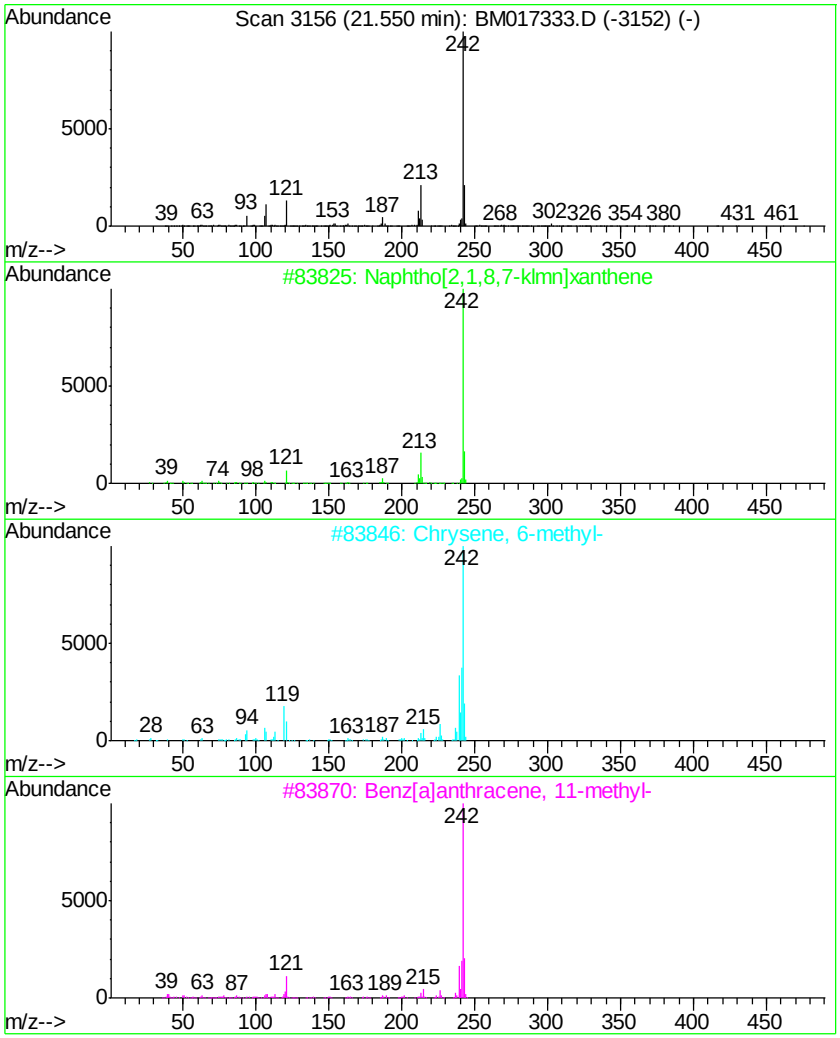
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

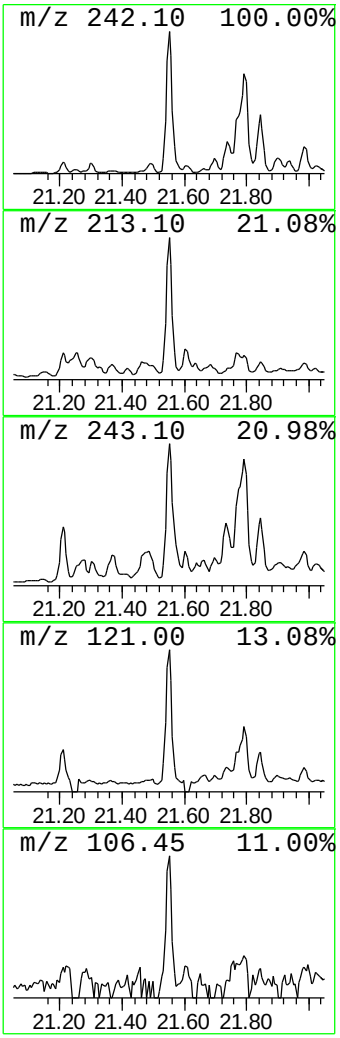
****

Peak Number 19 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	2.56 ng/ul	4283220	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	93
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	64
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	59
4	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	53
5	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	45





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Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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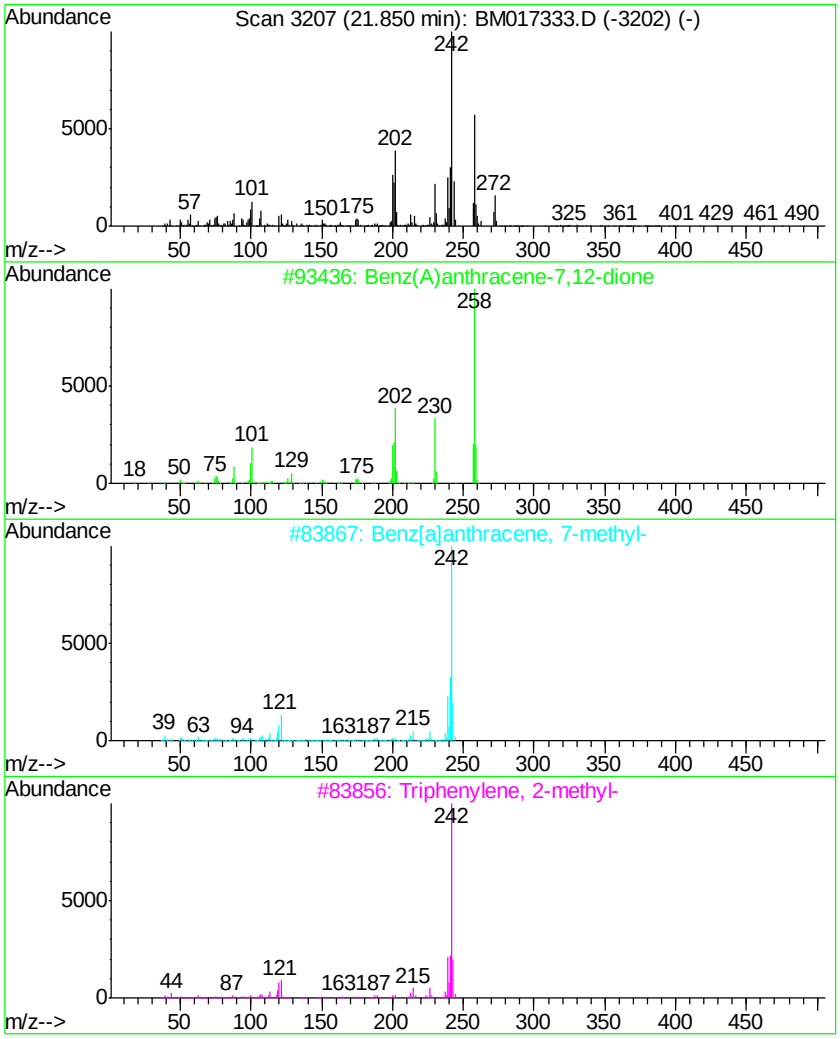
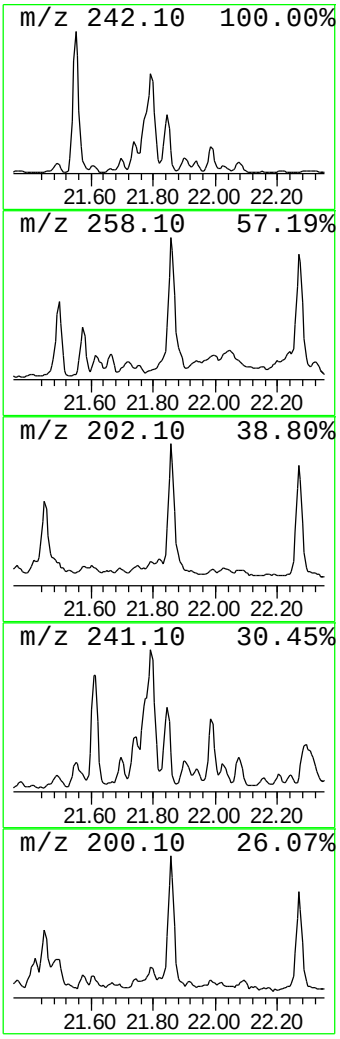
Peak Number 20 Benz(A)anthracene-7,12-dione Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.85	2.38 ng/ul	3983610	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	64
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	62
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	60
4	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	56
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	46





Library Search Compound Report

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Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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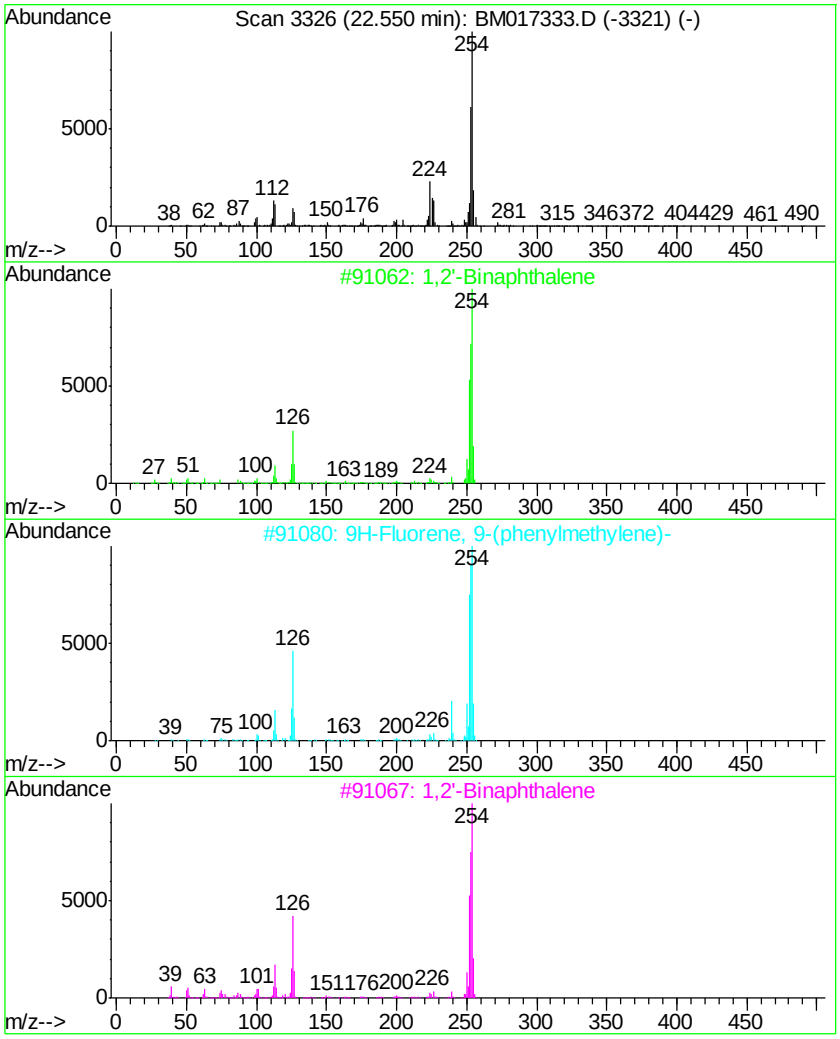
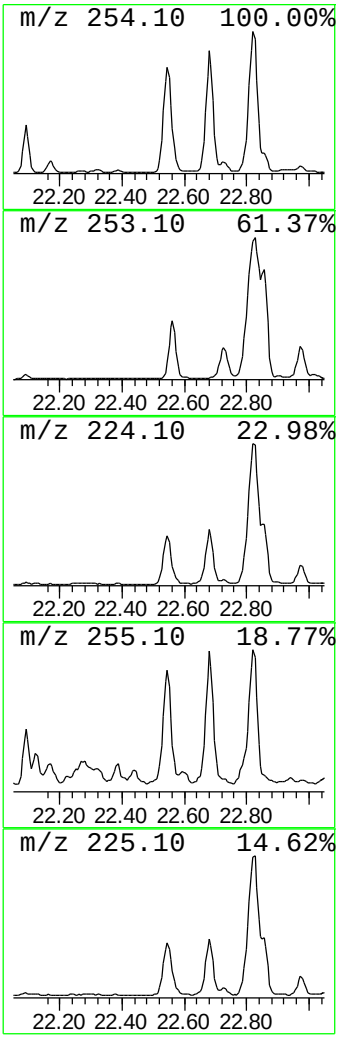
Peak Number 21 1,2'-Binaphthalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	27.37 ng/ul	6921330	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	62
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	62
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	62
4	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	59
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58





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Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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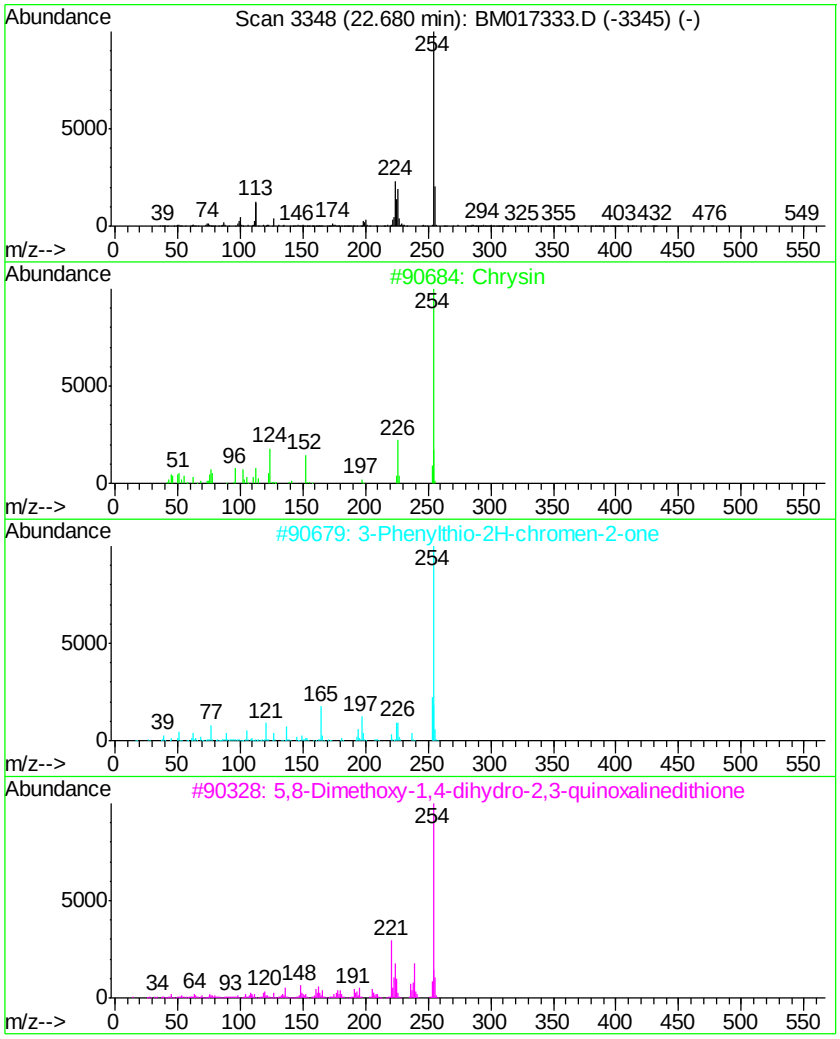
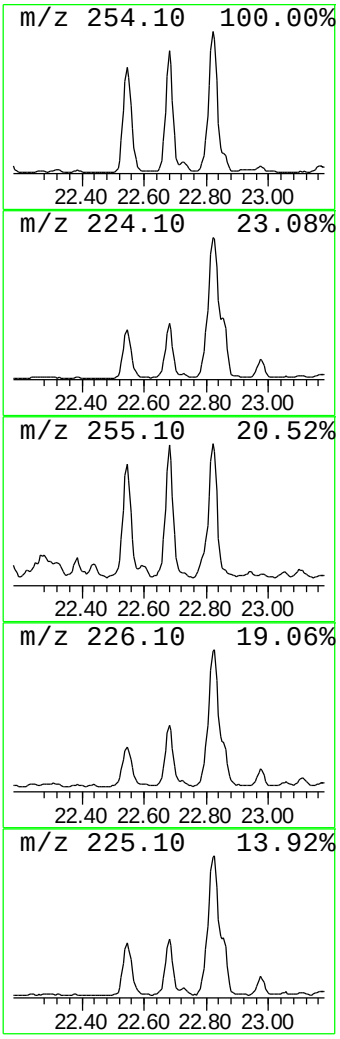
Peak Number 22 Chrysin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.68	13.06 ng/ul	3302760	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	64
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	53
3	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	53
4	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	53
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53





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Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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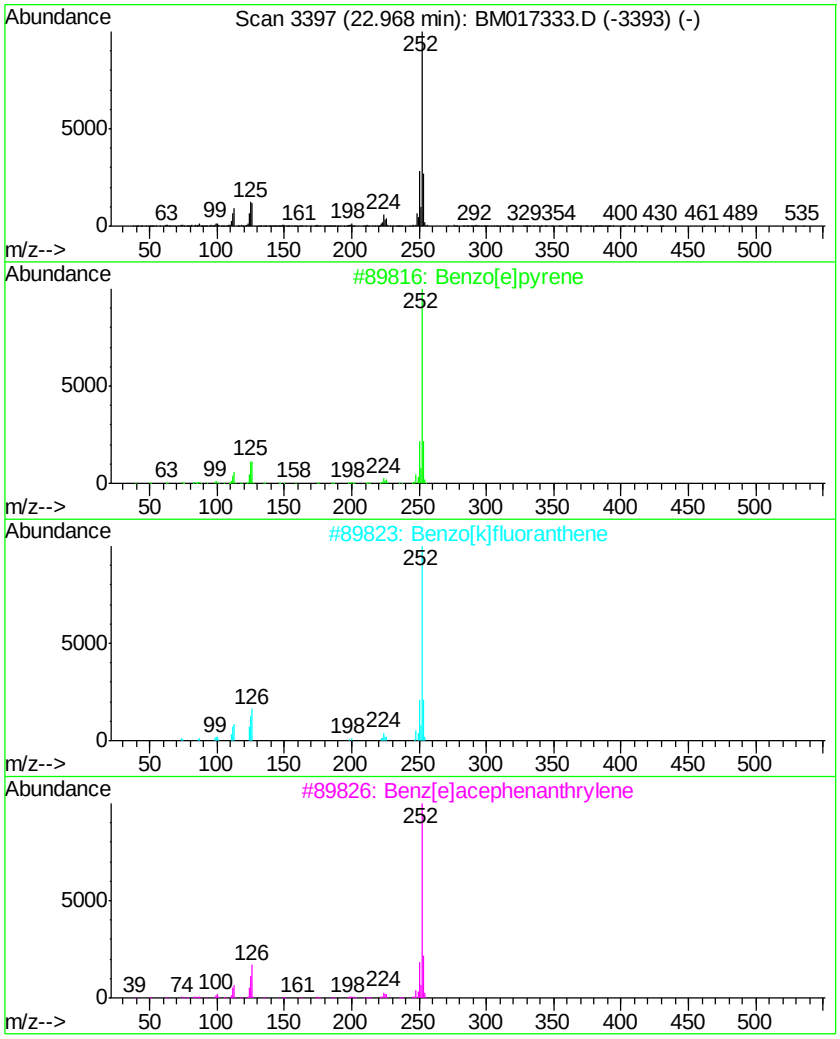
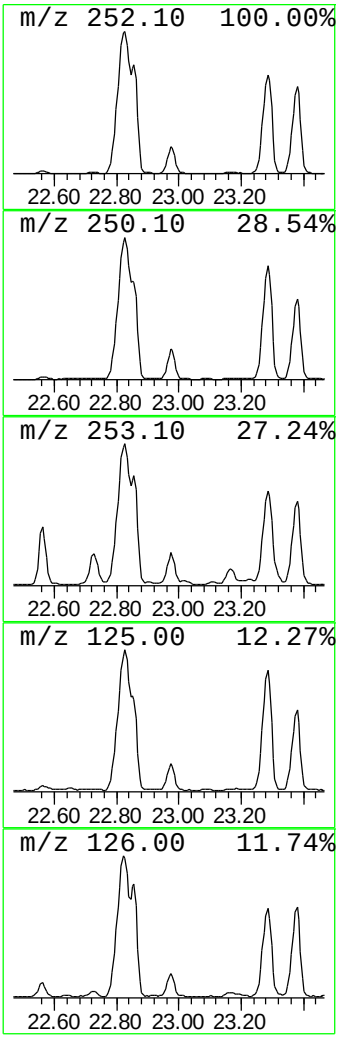
Peak Number 23 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	20.76 ng/ul	5250460	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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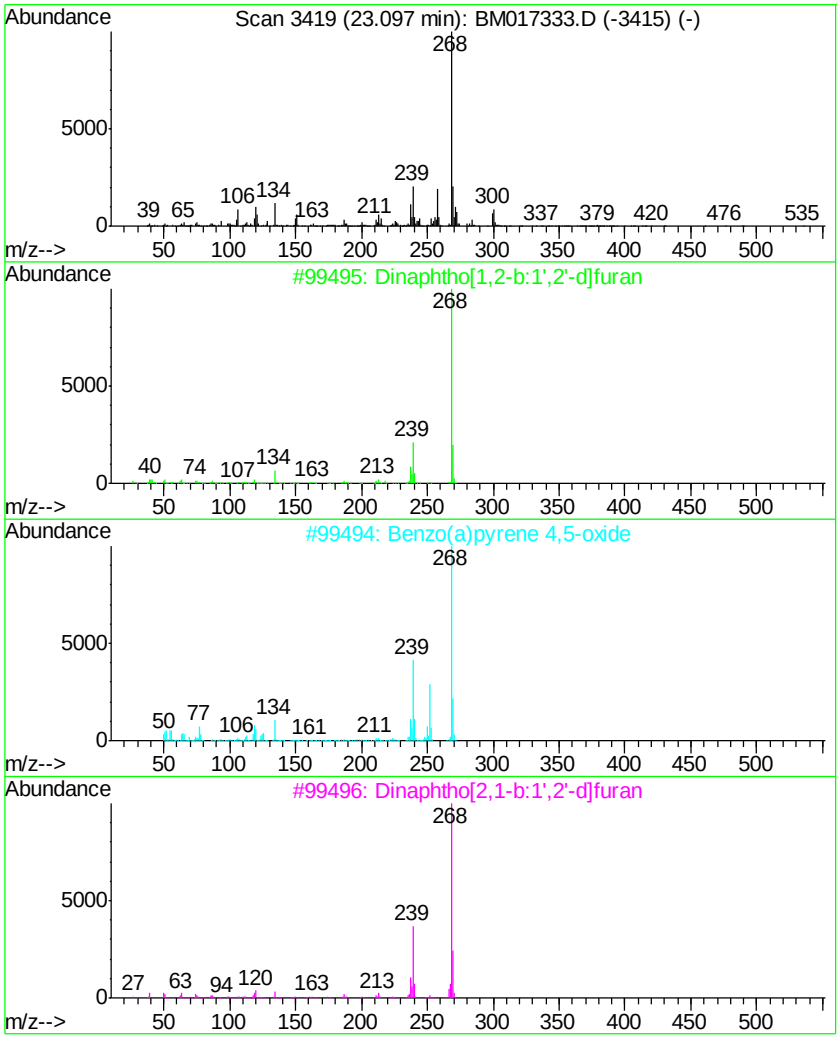
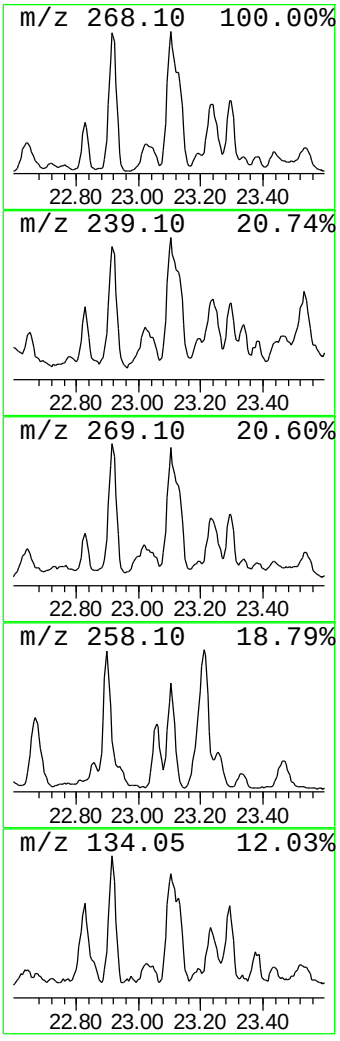
Peak Number 24 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	16.04 ng/ul	4056600	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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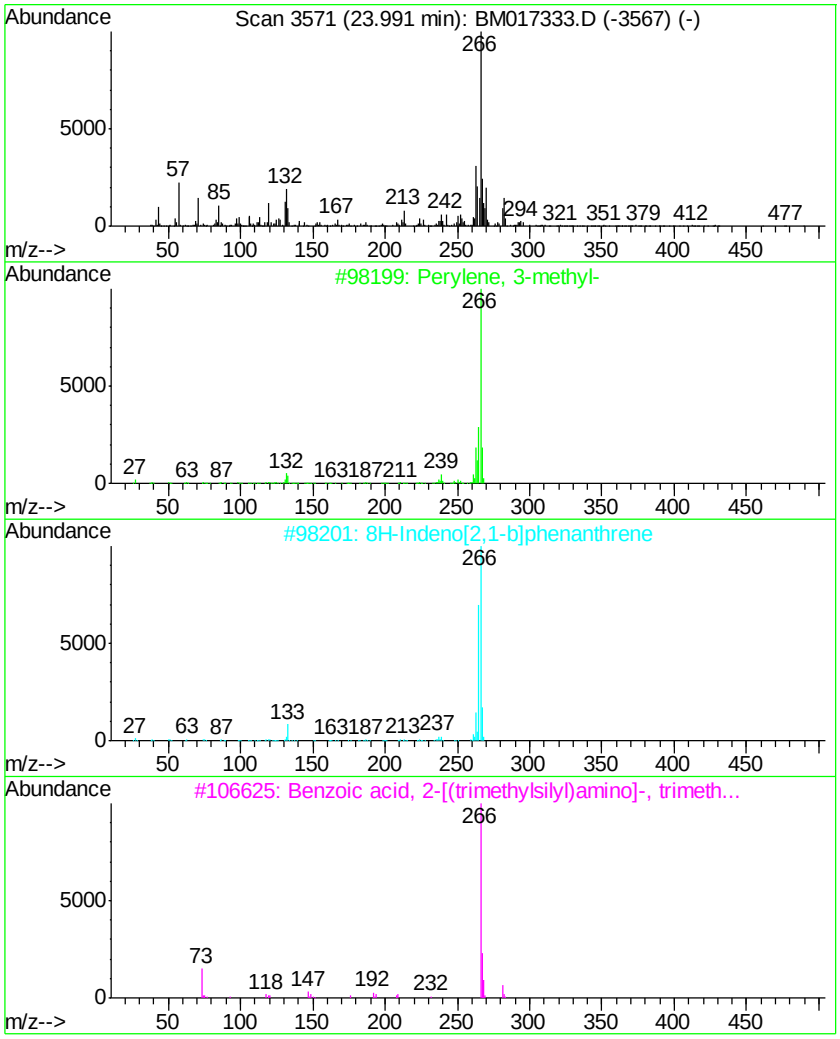
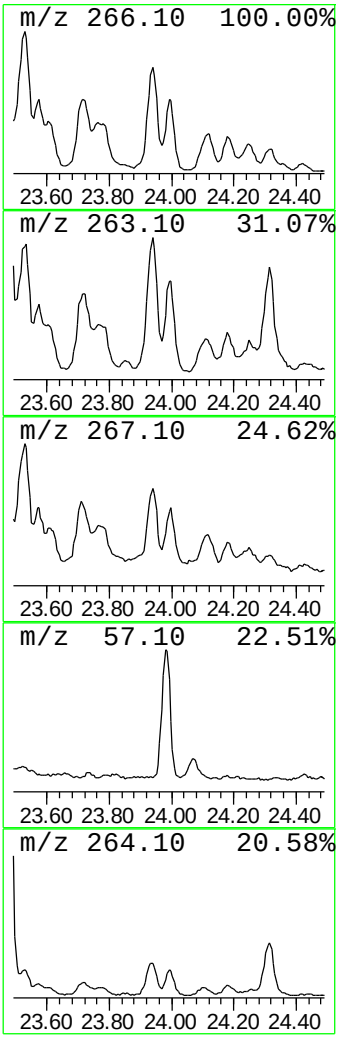
Peak Number 26 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.99	9.61 ng/ul	2429710	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	47
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	46
3	Benzoic acid, 2-[(trimethylsilyl...	281	C13H23NO2Si2	018406-07-0	46
4	Benzoic acid, 2-[(trimethylsilyl...	281	C13H23NO2Si2	018406-07-0	43
5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017333.D
Acq On : 25 Oct 2018 00:44
Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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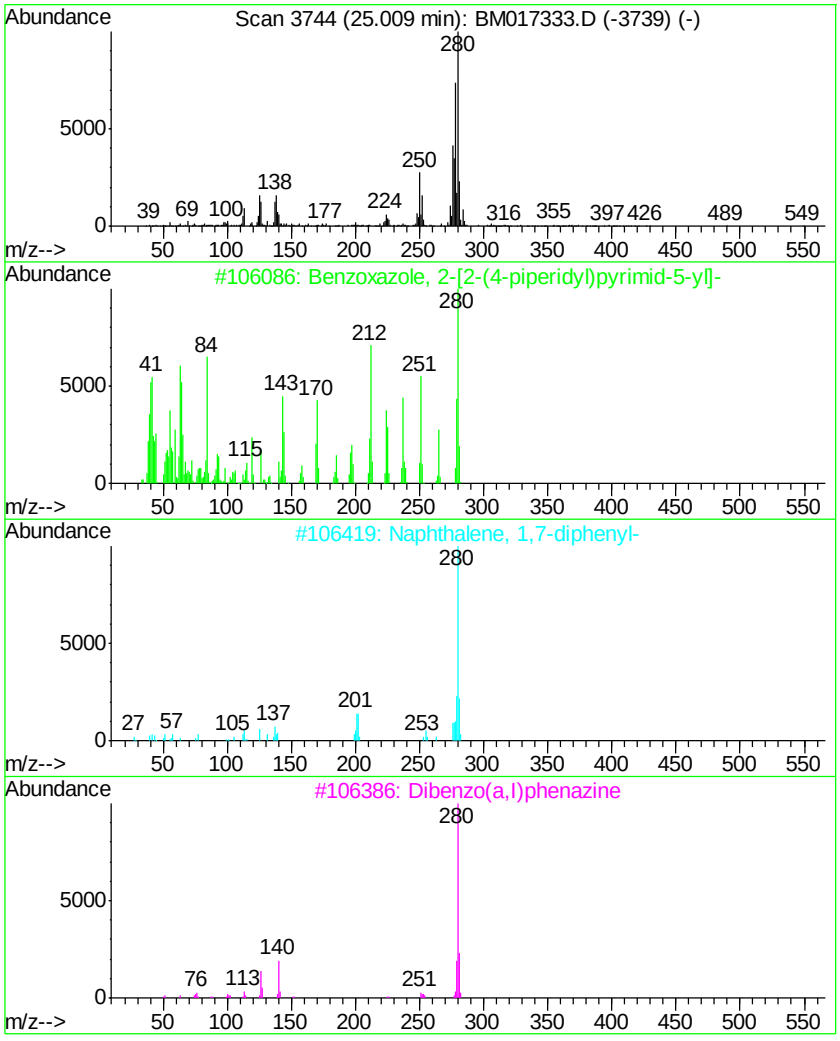
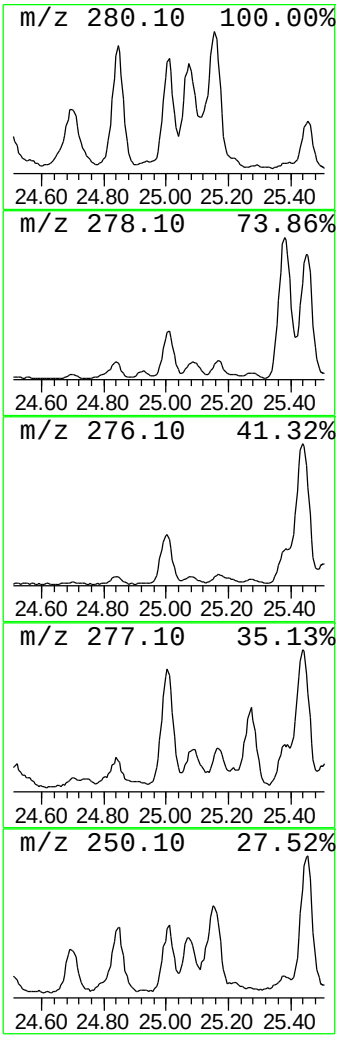
Peak Number 27 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.01	5.67 ng/ul	1433950	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	80
2	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	42
3	Dibenzo(a,I)phenazine	280	C20H12N2	000226-98-2	42
4	7H-Indeno[2,1-a]anthracen-7-one	280	C21H12O	027582-45-2	38
5	Dibenz[a,j]anthracene-5,6-quinone	308	C22H12O2	052755-66-5	35





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Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

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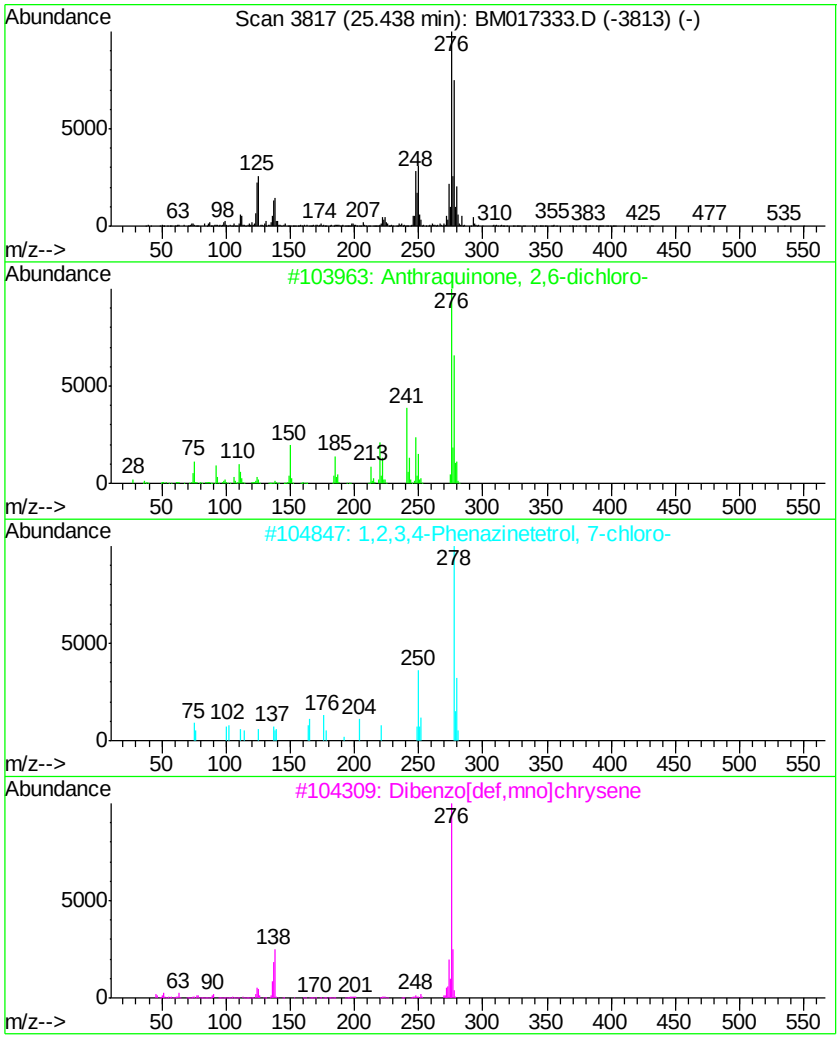
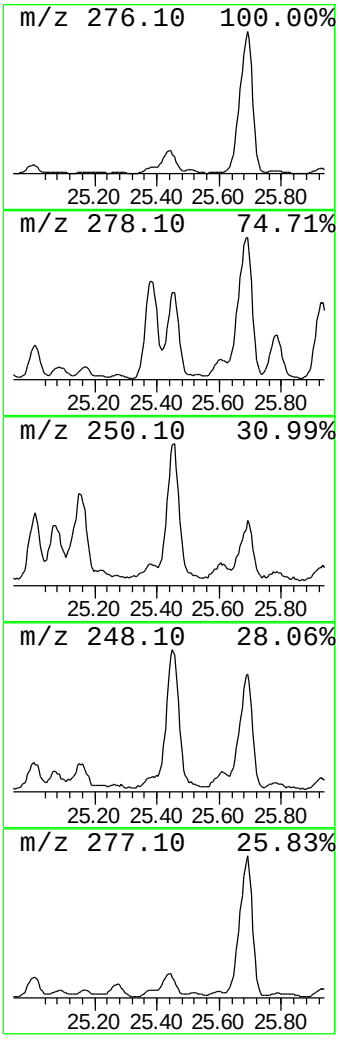
Peak Number 28 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.44	17.96 ng/ul	4542350	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	49
2	1,2,3,4-Phenazinetetrol, 7-chloro-	278	C12H7ClN2O4	023774-10-9	41
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	35
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	35
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	25





Tentatively Identified Compound (LSC) summary

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Operator : MJ/SJ
Sample : J5598-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indole	11.95	2.3	ng/ul	382988	2	10.43	3301550	20.0
1(2H)-Acenaphthyl...	16.03	3.0	ng/ul	792514	4	17.05	5300030	20.0
9H-Fluoren-9-one	16.70	4.3	ng/ul	1147550	4	17.05	5300030	20.0
Anthracene, 2-met...	17.96	6.6	ng/ul	1756150	4	17.05	5300030	20.0
1H-Cyclopropa[l]p...	18.05	2.2	ng/ul	587684	4	17.05	5300030	20.0
Benzaldehyde, 3,5...	18.12	5.1	ng/ul	1358970	4	17.05	5300030	20.0
9,10-Anthracenedione	18.47	6.1	ng/ul	1618290	4	17.05	5300030	20.0
1,8-Naphthalic an...	18.86	6.3	ng/ul	1666100	4	17.05	5300030	20.0
12-Octadecenoic a...	18.91	4.5	ng/ul	1193120	4	17.05	5300030	20.0
Cyclopenta(def)ph...	18.99	14.2	ng/ul	3766140	4	17.05	5300030	20.0
Indeno(1,2,3-ij)i...	19.73	4.3	ng/ul	7128340	5	21.25	33483100	20.0
11H-Benzo[b]fluorene	19.82	2.4	ng/ul	3928490	5	21.25	33483100	20.0
Pyrene, 1-methyl-	19.95	3.9	ng/ul	6481940	5	21.25	33483100	20.0
11H-Benzo[a]fluor...	20.73	3.1	ng/ul	5155660	5	21.25	33483100	20.0
Benzo[b]naphtho[2...	20.89	2.8	ng/ul	4655340	5	21.25	33483100	20.0
Cyclopenta[cd]pyrene	20.97	5.6	ng/ul	9410360	5	21.25	33483100	20.0
Naphtho[2,1,8,7-k...	21.55	2.6	ng/ul	4283220	5	21.25	33483100	20.0
Benz(A)anthracene...	21.85	2.4	ng/ul	3983610	5	21.25	33483100	20.0
1,2'-Binaphthalene	22.55	27.4	ng/ul	6921330	6	23.47	5057090	20.0
Chrysin	22.68	13.1	ng/ul	3302760	6	23.47	5057090	20.0
Benzo[e]pyrene	22.97	20.8	ng/ul	5250460	6	23.47	5057090	20.0
Dinaphtho[1,2-b:1...	23.10	16.0	ng/ul	4056600	6	23.47	5057090	20.0
unknown-01	23.99	9.6	ng/ul	2429710	6	23.47	5057090	20.0
Benzoxazole, 2-[2...	25.01	5.7	ng/ul	1433950	6	23.47	5057090	20.0
unknown-02	25.44	18.0	ng/ul	4542350	6	23.47	5057090	20.0