LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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	647	654	671	rBV2	787524	1720767	2.64%	0.330%
2	6.998	676	682	695	rVB	669875	1010813	1.55%	0.194%
3	7.193	704	715	724	rBV	852363	1354139	2.08%	0.260%
4	7.651	783	793	802	rBV	1123996	1875595	2.88%	0.360%
5	8.187	876	884	891	rBV	239858	434746	0.67%	0.083%
6	8.363	907	914	921	rBV	836229	1377450	2.12%	0.264%
7	8.804	983	989	998	rBV	795094	1331601	2.04%	0.255%
8	9.522	1103	1111	1120	rBV	683092	1158768	1.78%	0.222%
9	10.057	1195	1202	1212	rBV	1014174	1774428	2.72%	0.340%
10	10.428	1256	1265	1270	rBV	1735846	2943372	4.52%	0.565%
11	10.475	1270	1273	1280	rVV	376884	596679	0.92%	0.114%
12	10.575	1280	1290	1307	rVV	598866	1185973	1.82%	0.227%
13	11.951	1513	1524	1533	rBV4	99481	307317	0.47%	0.059%
14	13.716	1818	1824	1828	rVV	1834134	2602124	4.00%	0.499%
15	13.757	1828	1831	1840	rVV	502187	748058	1.15%	0.143%
16	13.986	1860	1870	1873	rBV	2159644	3640269	5.59%	0.698%
17	14.016	1873	1875	1884	rVB	1750176	2176532	3.34%	0.417%
18	14.298	1915	1923	1930	rBV2	2570134	3993779	6.13%	0.766%
19	14.522	1953	1961	1971	rBV	483856	1070254	1.64%	0.205%
20	14.698	1985	1991	1995	rBV	296271	438310	0.67%	0.084%
21	15.292	2086	2092	2098	rBV	2790178	4084797	6.27%	0.784%
22	15.421	2108	2114	2121	rVV	834190	1196930	1.84%	0.230%
23	16.027	2211	2217	2227	rBV3	227627	455683	0.70%	0.087%
24	16.704	2328	2332	2341	rVB	338629	492935	0.76%	0.095%
25	17.051	2384	2391	2395	rBV	3356057	4940322	7.59%	0.948%
26	17.092	2395	2398	2402	rVV	1117697	1456344	2.24%	0.279%
27	17.145	2402	2407	2410	rVV2	3086822	4450321	6.83%	0.854%
28	17.180	2410	2413	2419	rVV	2421980	3357186	5.16%	0.644%
29	17.457	2451	2460	2470	rBV	730367	1422026	2.18%	0.273%
30	17.568	2475	2479	2485	rVV3	173144	316197	0.49%	0.061%
31	17.957	2541	2545	2555	rVB2	1028081	1666380	2.56%	0.320%
32	18.051	2555	2561	2566	rBV	382471	588446	0.90%	0.113%
33	18.121	2567	2573	2577	rBV3	563357	1086042	1.67%	0.208%
34	18.321	2603	2607	2612	rVB	644003	853283	1.31%	0.164%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
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Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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	18.427	2623	2625	2629	rVV	269402	330860	0.51%	0.063%
36	18.474	2629	2633	2643	rVB2	782416	1065552	1.64%	0.204%
37	18.674	2664	2667	2672	rVV2	217434	318555	0.49%	0.061%
38	18.768	2679	2683	2687	rVB	314877	416198	0.64%	0.080%
39	18.851	2692	2697	2700	rBV	513412	1007511	1.55%	0.193%
40	18.909	2704	2707	2711	rVB3	1218061	1374438	2.11%	0.264%
41	18.992	2716	2721	2727	rBV	2583013	3721576	5.71%	0.714%
42	19.045	2727	2730	2734	rBV2	306321	348933	0.54%	0.067%
43	19.121	2734	2743	2749	rBV	22369808	32333332	49.65%	6.202%
44	19.186	2750	2754	2756	rVV	395374	574424	0.88%	0.110%
45	19.215	2756	2759	2762	rVV2	652764	962955	1.48%	0.185%
46	19.262	2764	2767	2771	rVB	933134	1279980	1.97%	0.246%
47	19.356	2779	2783	2786	rVB2	626578	853301	1.31%	0.164%
48	19.451	2794	2799	2801	rBV2	7065671	10304980	15.82%	1.977%
49	19.486	2801	2805	2812	rVV	26363515	40129668	61.62%	7.698%
50	19.551	2812	2816	2823	rVB3	990099	1679641	2.58%	0.322%
51	19.656	2830	2834	2840	rBV	1431798	2035764	3.13%	0.390%
52	19.715	2840	2844	2850	rVB2	767313	1264446	1.94%	0.243%
53	19.809	2853	2860	2866	rBV4	2662140	6371807	9.78%	1.222%
54	19.945	2877	2883	2892	rVB4	3063599	9147075	14.05%	1.755%
55	20.074	2902	2905	2909	rVB	799155	893969	1.37%	0.171%
56	20.133	2909	2915	2919	rBV2	3621530	6437032	9.88%	1.235%
57	20.174	2919	2922	2925	rVB	1077292	1148358	1.76%	0.220%
58	20.215	2926	2929	2934	rBV2	636961	807527	1.24%	0.155%
59	20.274	2935	2939	2943	rBV	2939410	3715345	5.71%	0.713%
60	20.321	2943	2947	2951	rVB3	1821234	2583247	3.97%	0.496%
61	20.533	2979	2983	2994	rBV6	565424	2091662	3.21%	0.401%
62	20.639	2998	3001	3005	rVB3	847035	953686	1.46%	0.183%
63	20.686	3006	3009	3012	rVV	580410	690433	1.06%	0.132%
64	20.727	3012	3016	3023	rVV	4374036	6043483	9.28%	1.159%
65	20.892	3037	3044	3047	rBV2	3950317	6815552	10.47%	1.307%
66	20.933	3047	3051	3054	rVV	4604957	5786493	8.89%	1.110%
67	20.968	3054	3057	3062	rVV2	6962560	9442989	14.50%	1.811%
68	21.027	3063	3067	3077	rVB2	3316888	5195859	7.98%	0.997%
69	21.133	3078	3085	3091	rBV2	1177497	3315031	5.09%	0.636%
70	21.239	3095	3103	3107	rBV2	19538272	36955497	56.75%	7.089%
71	21.292	3109	3112	3122	rVB	19439190	27372539	42.03%	5.250%

LSC Area Percent Report

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Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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	21.368	3122	3125	3128	rBV3	568708	620553	0.95%	0.119%
73	21.409	3128	3132	3137	rBV4	1733320	3699775	5.68%	0.710%
74	21.550	3152	3156	3162	rBV3	2612583	4484907	6.89%	0.860%
75	21.609	3162	3166	3170	rBV3	1973473	2701681	4.15%	0.518%
76	21.739	3185	3188	3191	rBV2	1170454	1619980	2.49%	0.311%
77	21.792	3191	3197	3201	rVV	3603889	5886102	9.04%	1.129%
78	21.850	3202	3207	3212	rVB2	3164174	5728545	8.80%	1.099%
79	21.915	3214	3218	3225	rVB2	1621450	2683742	4.12%	0.515%
80	21.986	3226	3230	3233	rBV	2025763	2952254	4.53%	0.566%
81	22.092	3243	3248	3256	rVB2	1767133	3103536	4.77%	0.595%
82	22.268	3275	3278	3282	rBV	1408442	2203918	3.38%	0.423%
83	22.439	3300	3307	3312	rVB3	1423708	3455946	5.31%	0.663%
84	22.550	3321	3326	3338	rVB4	2410732	5837778	8.96%	1.120%
85	22.686	3345	3349	3354	rVB	1955042	3129390	4.81%	0.600%
86	22.827	3363	3373	3377	rBV	24826684	65120542	100.00%	12.491%
87	22.915	3384	3388	3393	rVB3	1478939	2379520	3.65%	0.456%
88	22.974	3393	3398	3403	rBV	3484499	5595992	8.59%	1.073%
89	23.103	3415	3420	3430	rVB2	1894094	4291644	6.59%	0.823%
90	23.286	3444	3451	3456	rBV	11846858	22812842	35.03%	4.376%
91	23.333	3456	3459	3461	rVV	2081960	3004793	4.61%	0.576%
92	23.380	3461	3467	3473	rVB	11848614	21512813	33.04%	4.127%
93	23.468	3477	3482	3486	rVV	2478176	4570480	7.02%	0.877%
94	23.515	3486	3490	3497	rVB2	3417532	6932557	10.65%	1.330%
95	23.986	3566	3570	3579	rVB3	1531703	3017947	4.63%	0.579%
96	25.003	3738	3743	3749	rBV	874960	1850556	2.84%	0.355%
97	25.162	3764	3770	3778	rVB2	1944087	4712627	7.24%	0.904%
98	25.444	3813	3818	3827	rVB3	1491838	3543814	5.44%	0.680%
99	25.691	3850	3860	3870	rVB	6960161	19439213	29.85%	3.729%
100	26.362	3964	3974	3982	rBV	3676487	10561379	16.22%	2.026%

Sum of corrected areas: 521332390

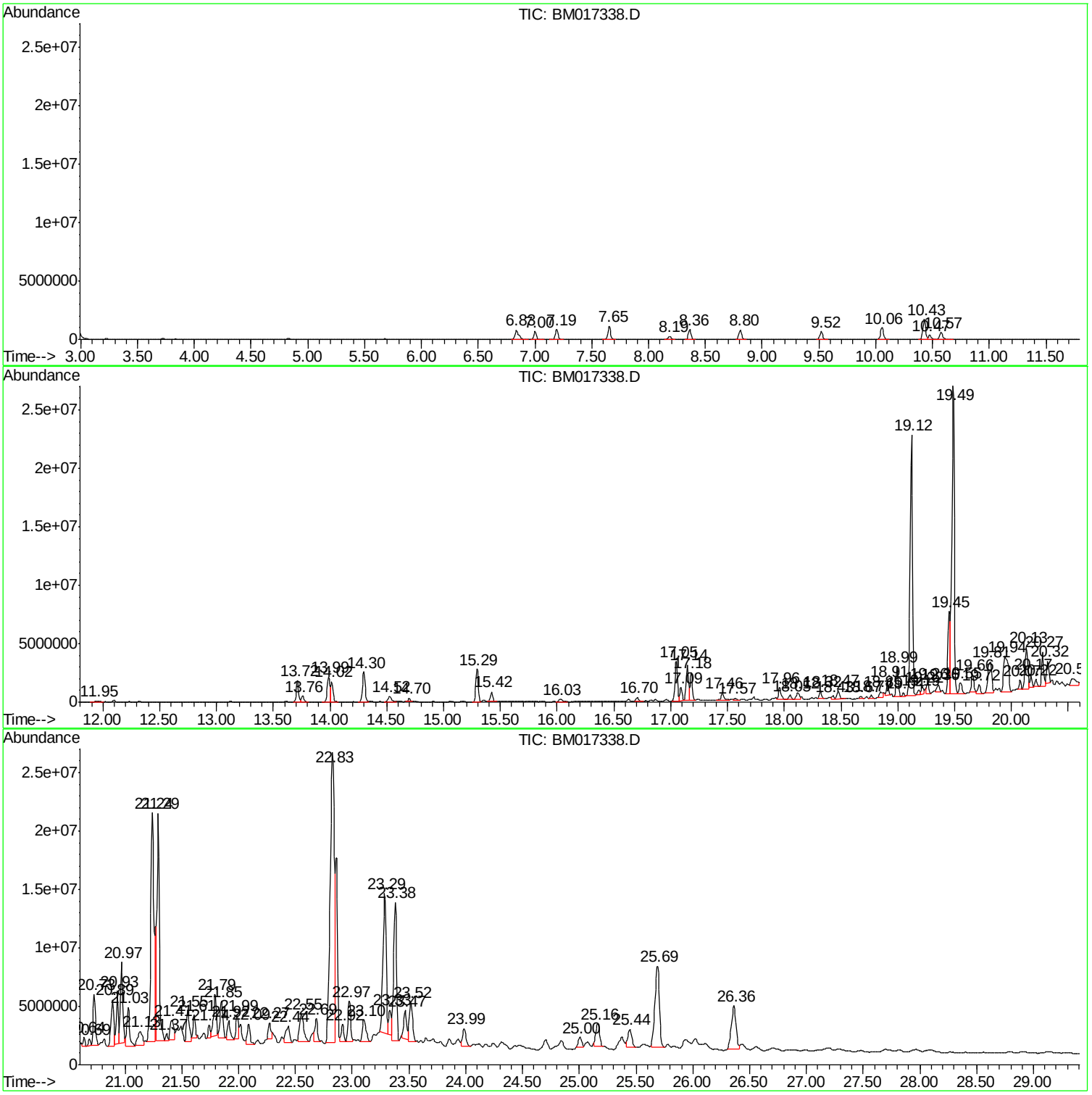
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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

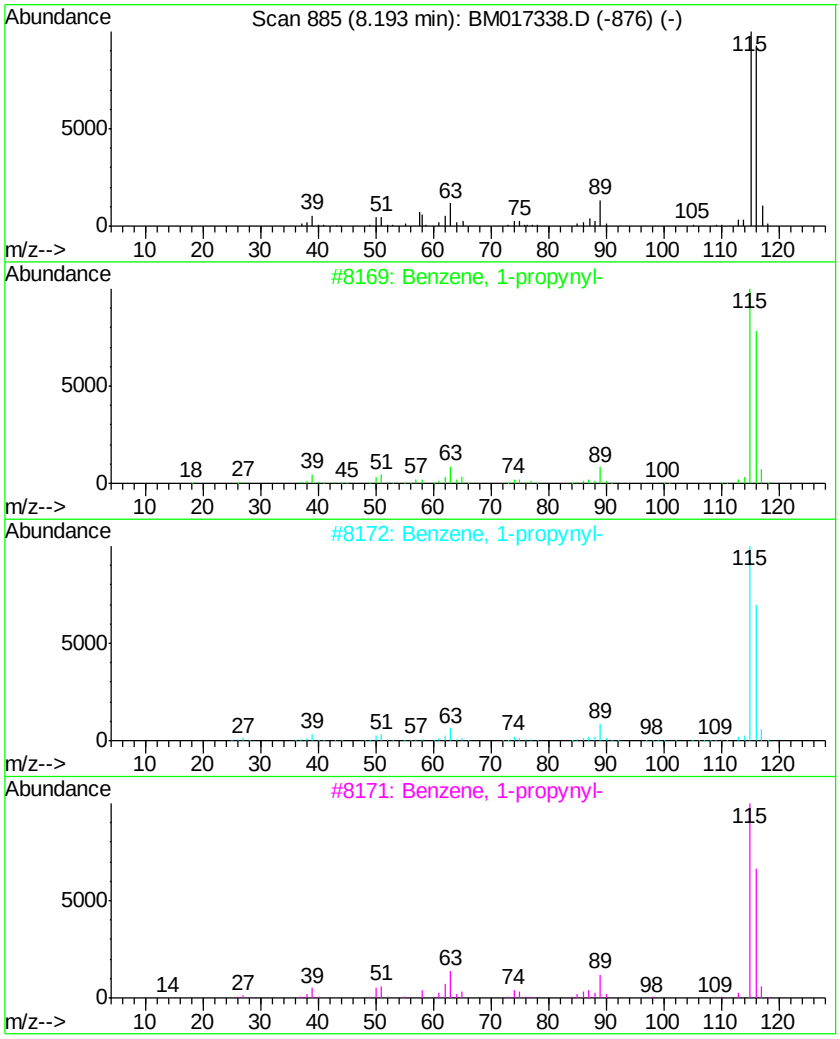
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

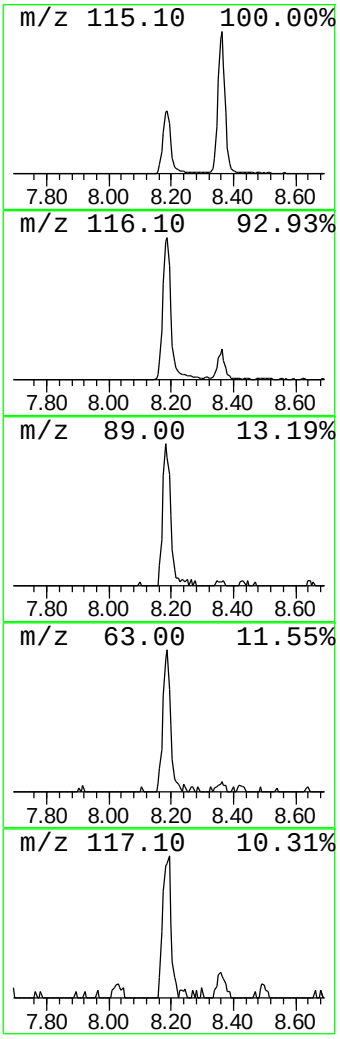
****

Peak Number 1 Benzene, 1-propynyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	4.64 ng/ul	434746	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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

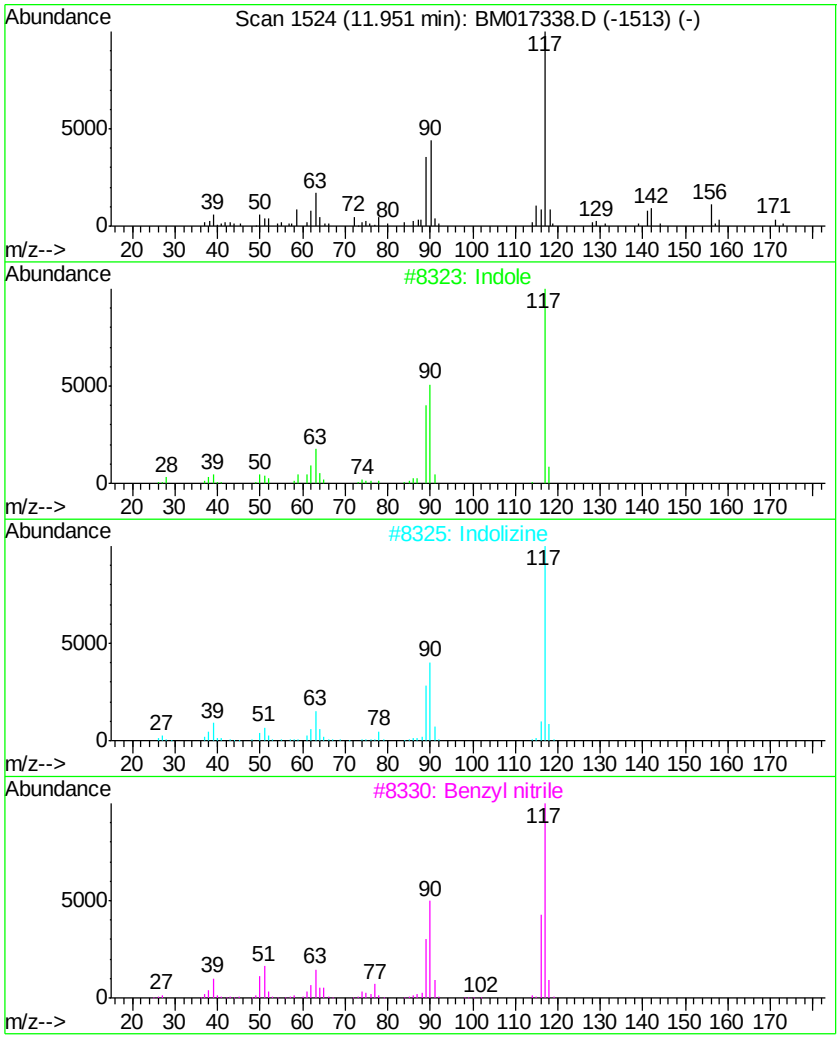
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

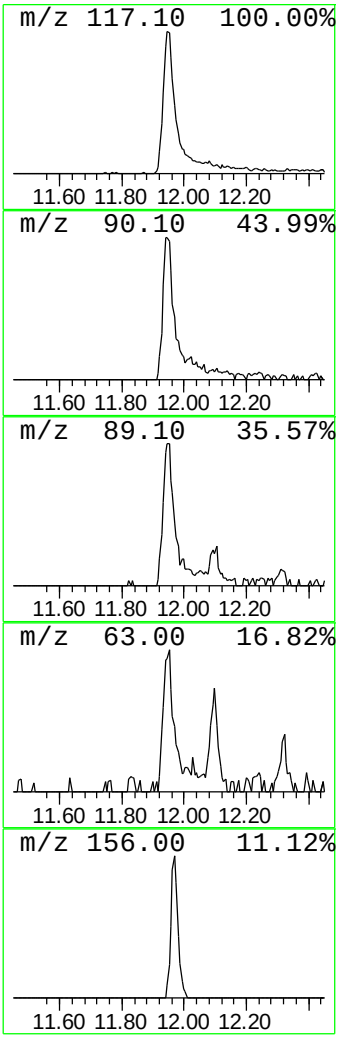
****

Peak Number 2 Indole Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.09 ng/ul	307317	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	89
2	Indolizine	117	C8H7N	000274-40-8	81
3	Benzyl nitrile	117	C8H7N	000140-29-4	76
4	Indole	117	C8H7N	000120-72-9	72
5	Indole	117	C8H7N	000120-72-9	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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

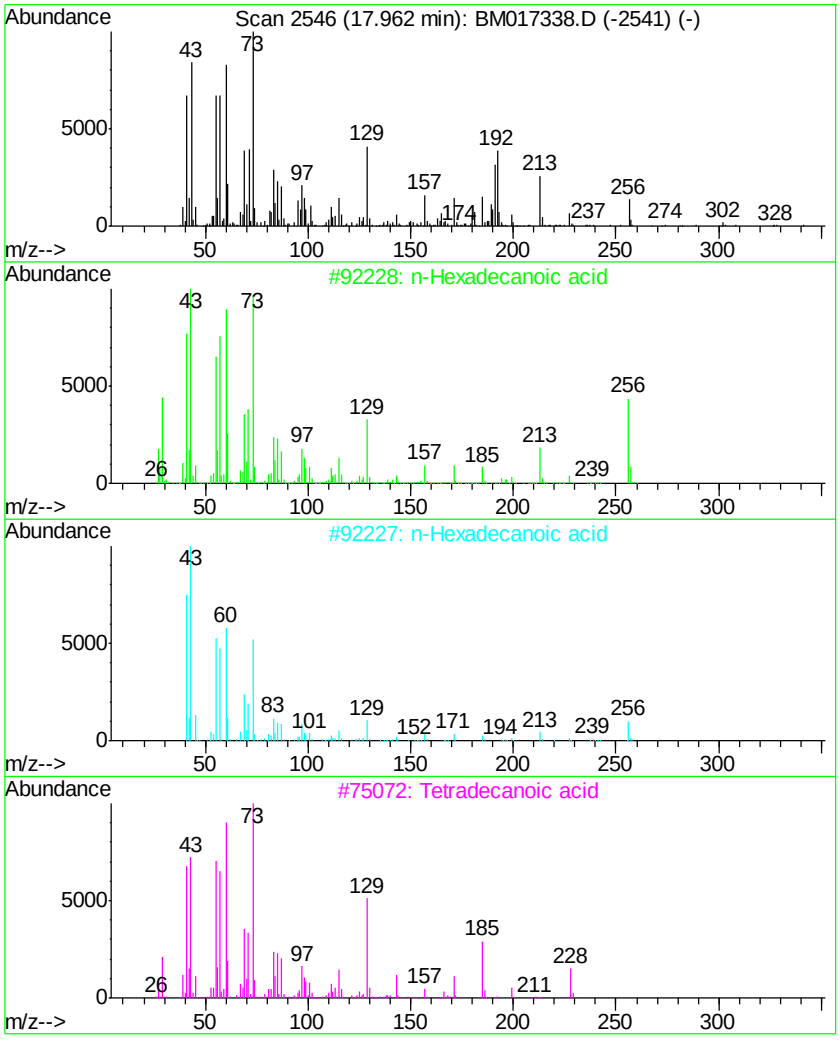
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

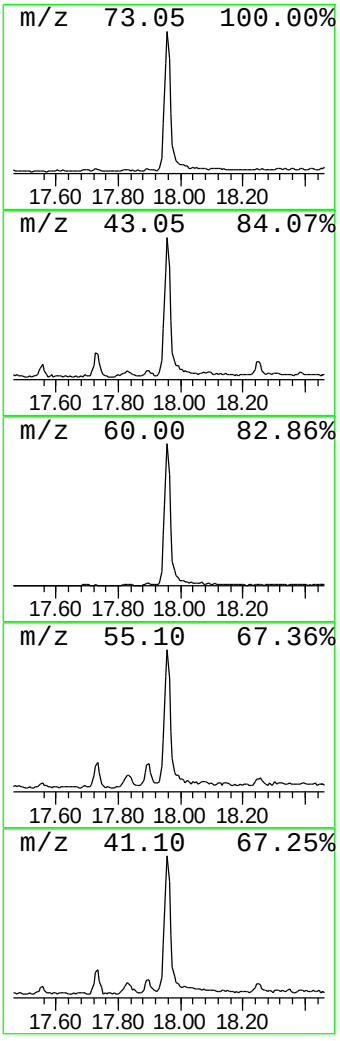
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	6.75 ng/ul	1666380	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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

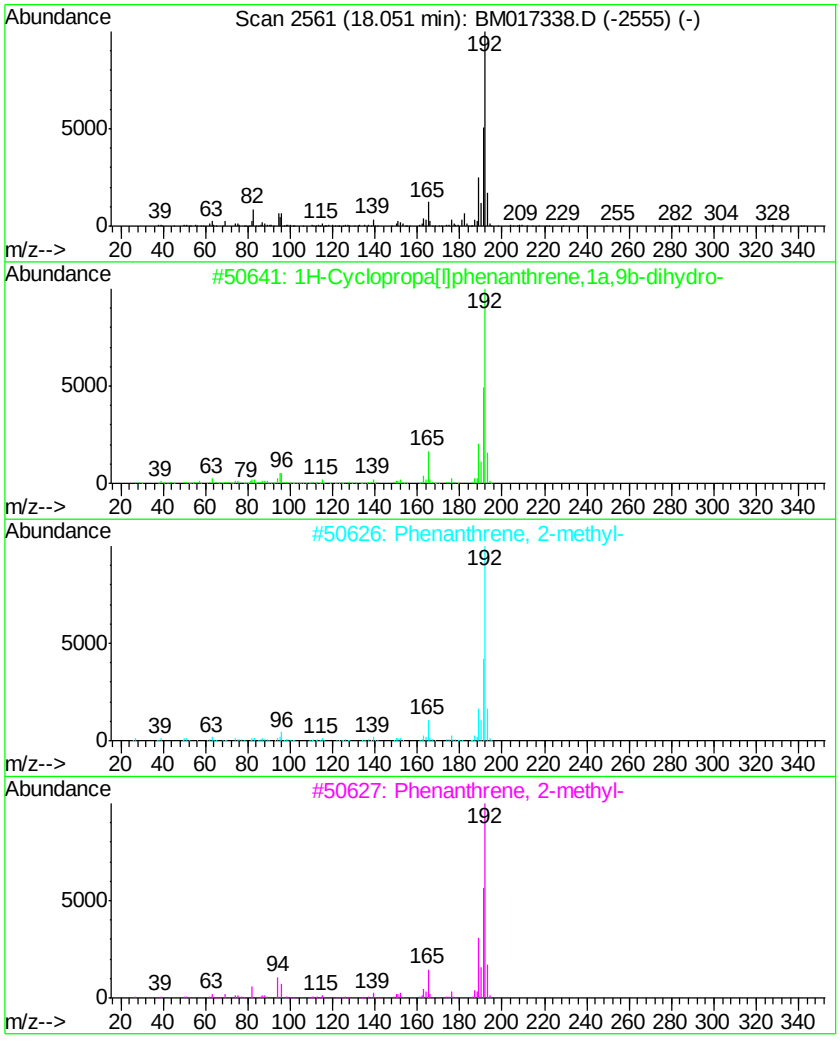
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

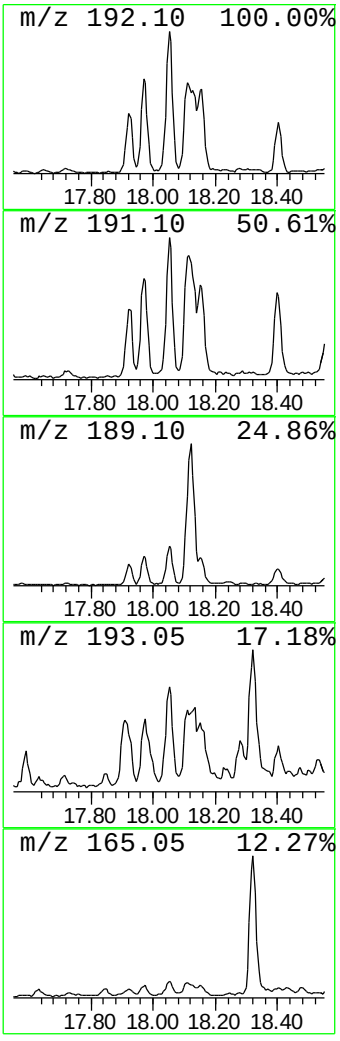
****

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.38 ng/ul	588446	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	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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

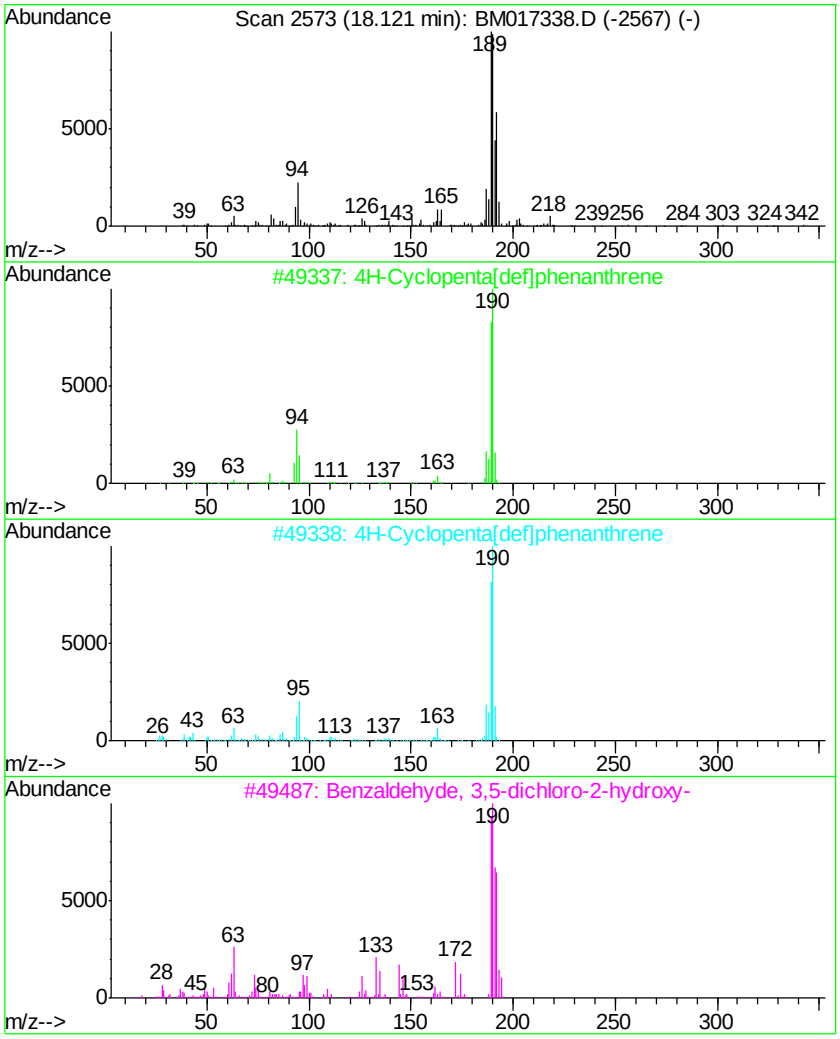
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

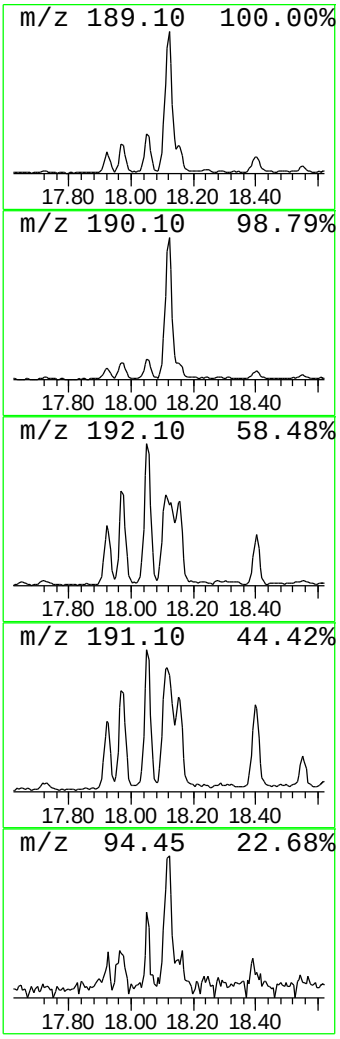
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	4.40 ng/ul	1086040	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





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Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
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Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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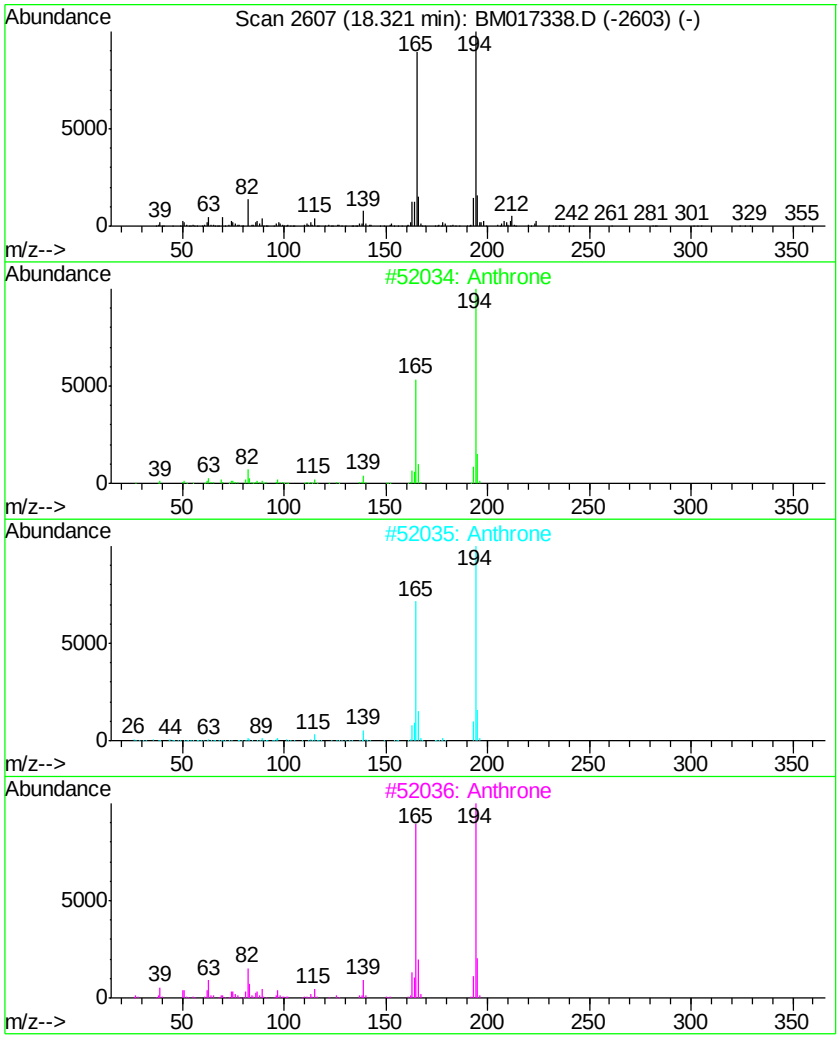
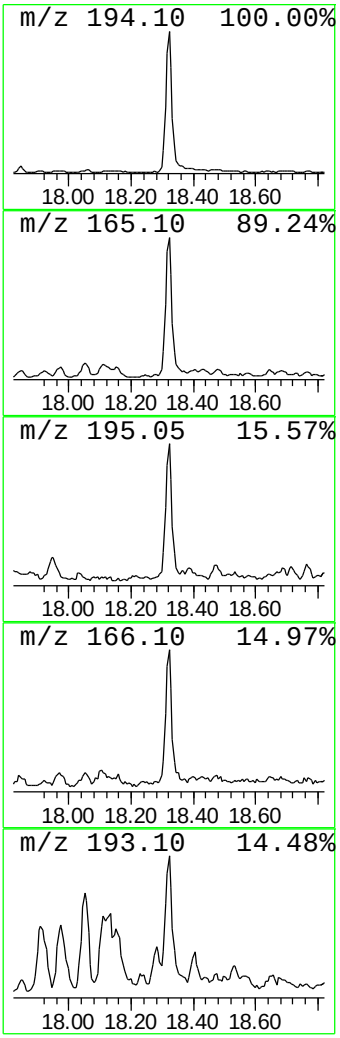
Peak Number 6 Anthrone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.45 ng/ul	853283	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	95
2	Anthrone	194	C14H10O	000090-44-8	94
3	Anthrone	194	C14H10O	000090-44-8	94
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	90
5	9-Phenanthrenol	194	C14H10O	000484-17-3	87





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Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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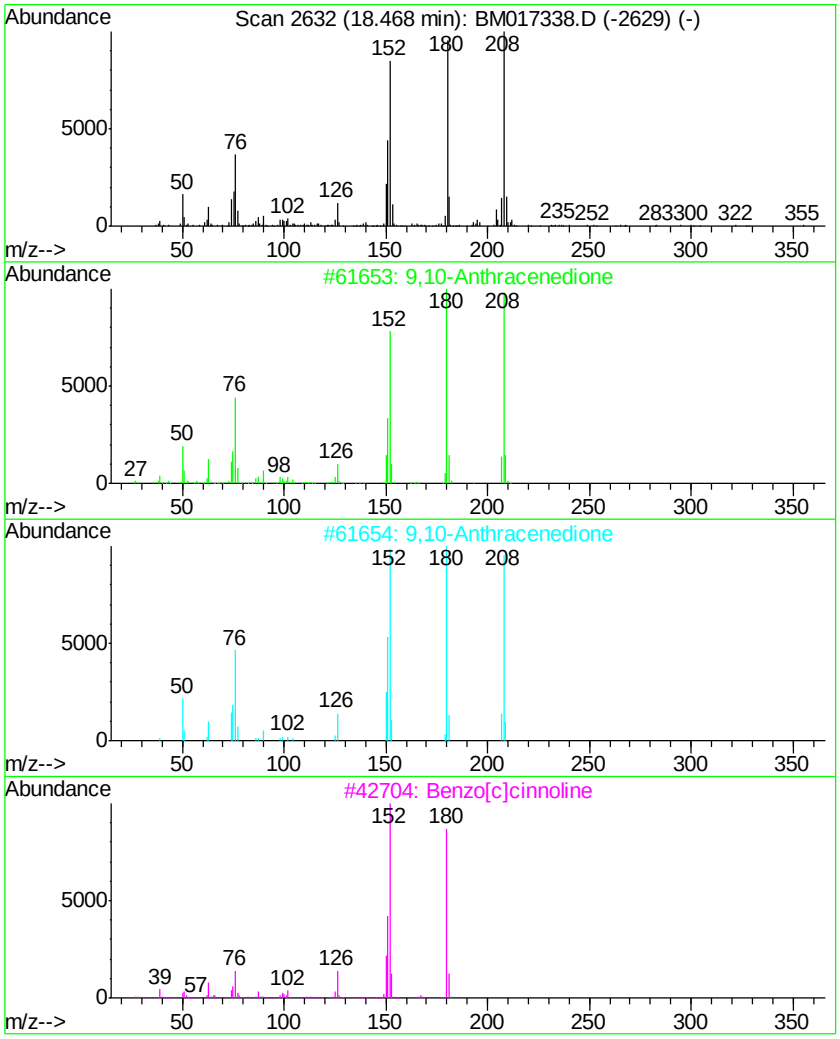
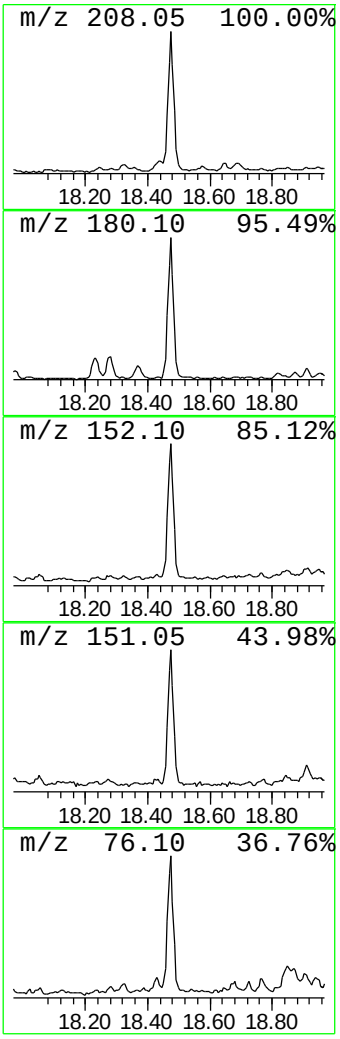
Peak Number 7 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	4.31 ng/ul	1065550	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78





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Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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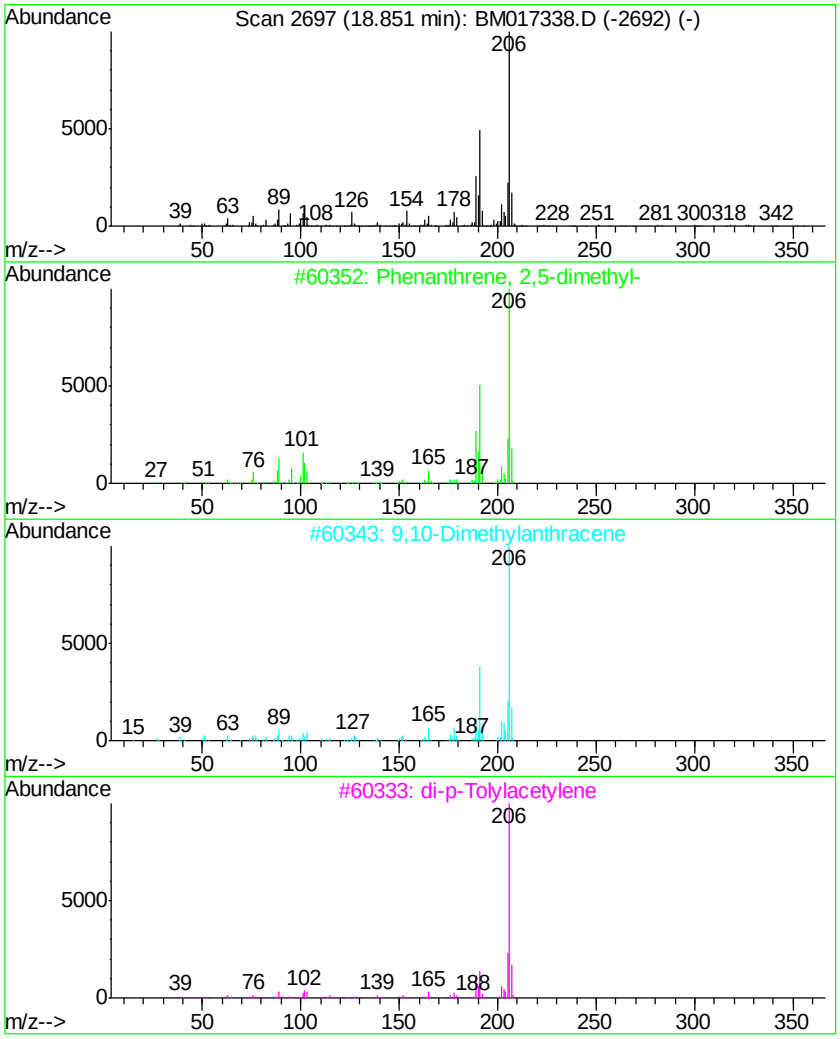
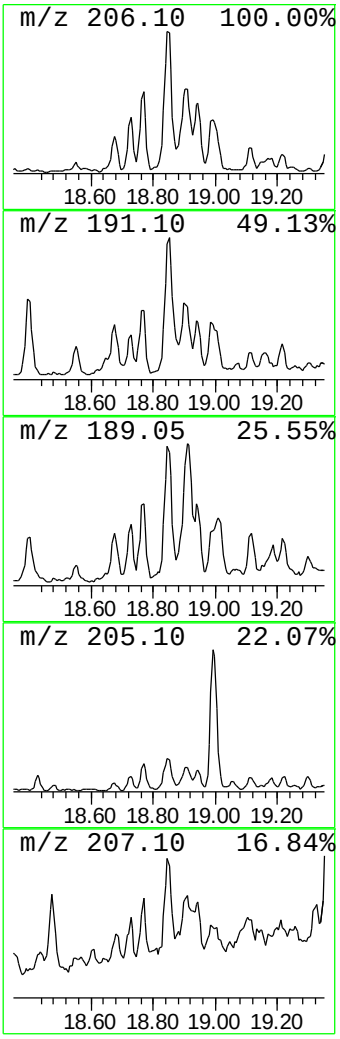
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	4.08 ng/ul	1007510	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Library Search Compound Report

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Misc :
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ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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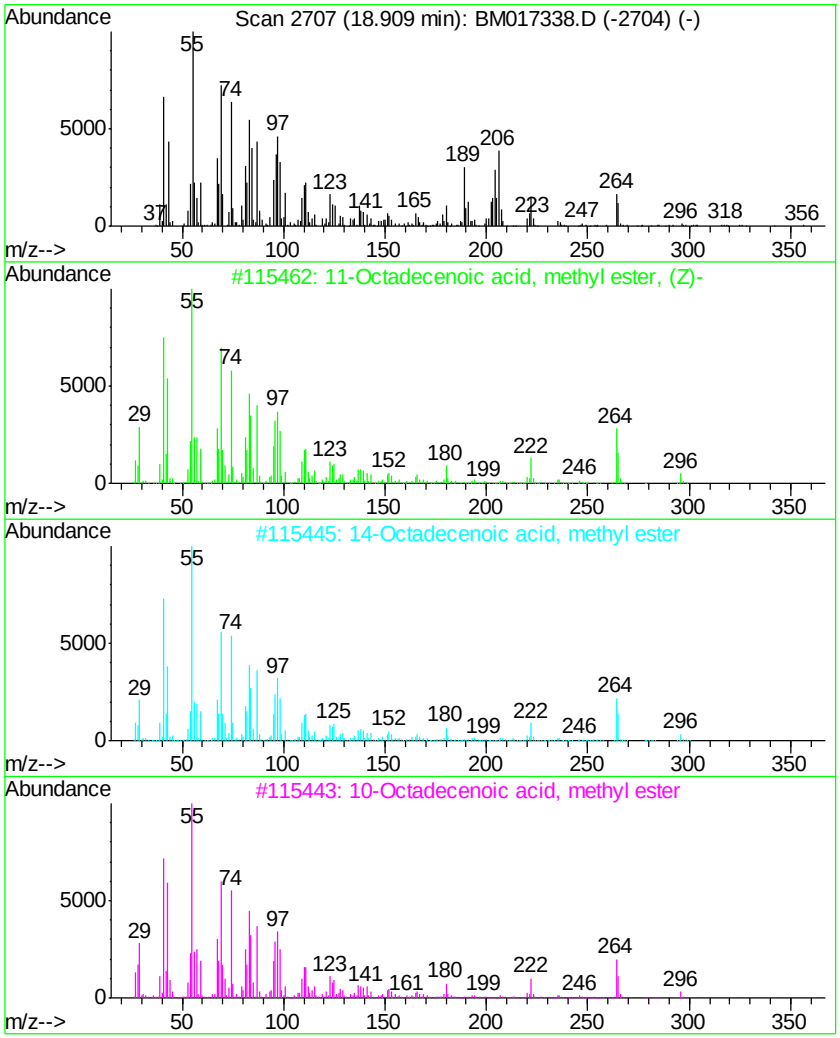
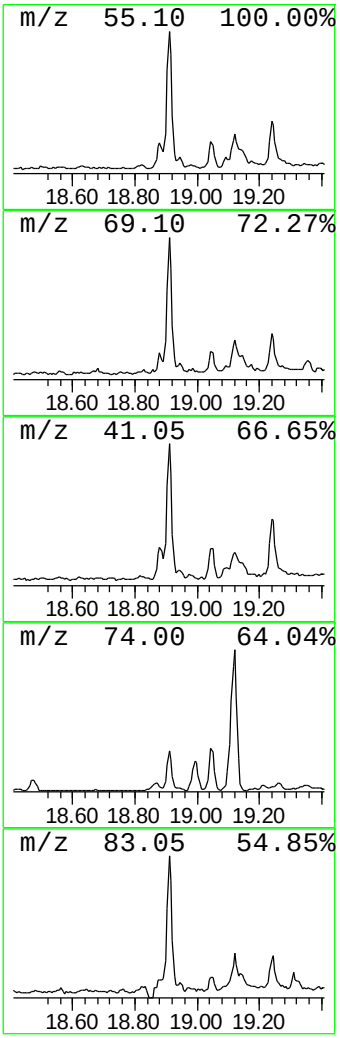
Peak Number 9 11-Octadecenoic acid, methy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	5.56 ng/ul	1374440	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	99
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	97





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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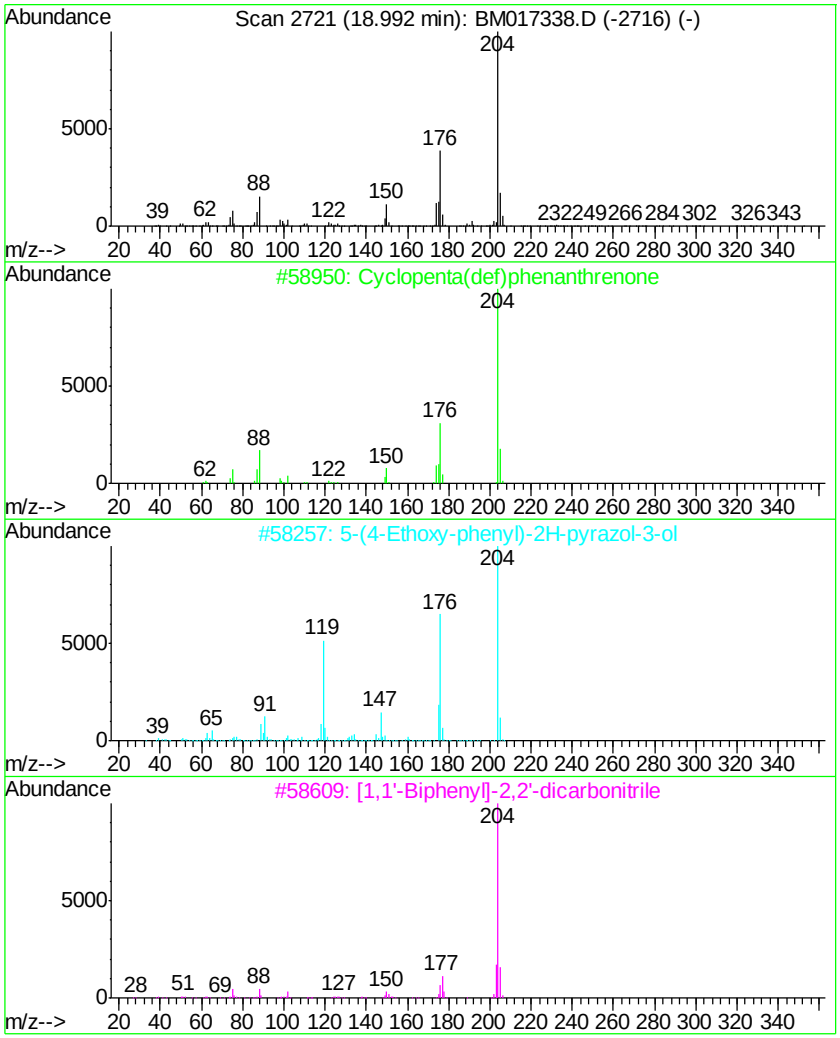
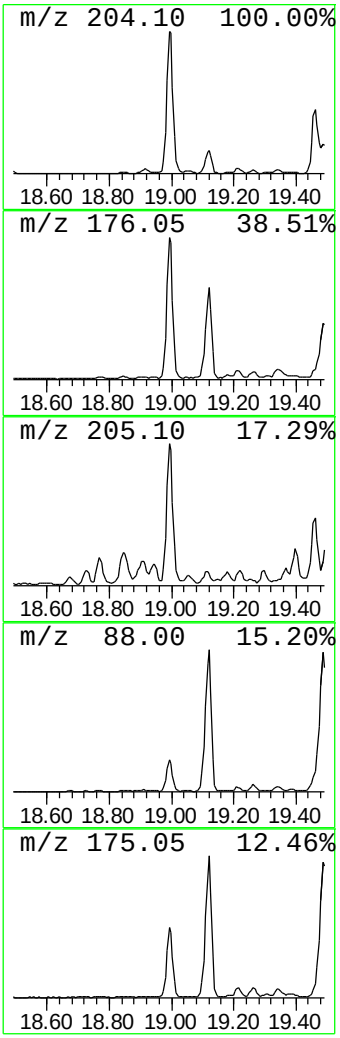
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	15.07 ng/ul	3721580	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45





Library Search Compound Report

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Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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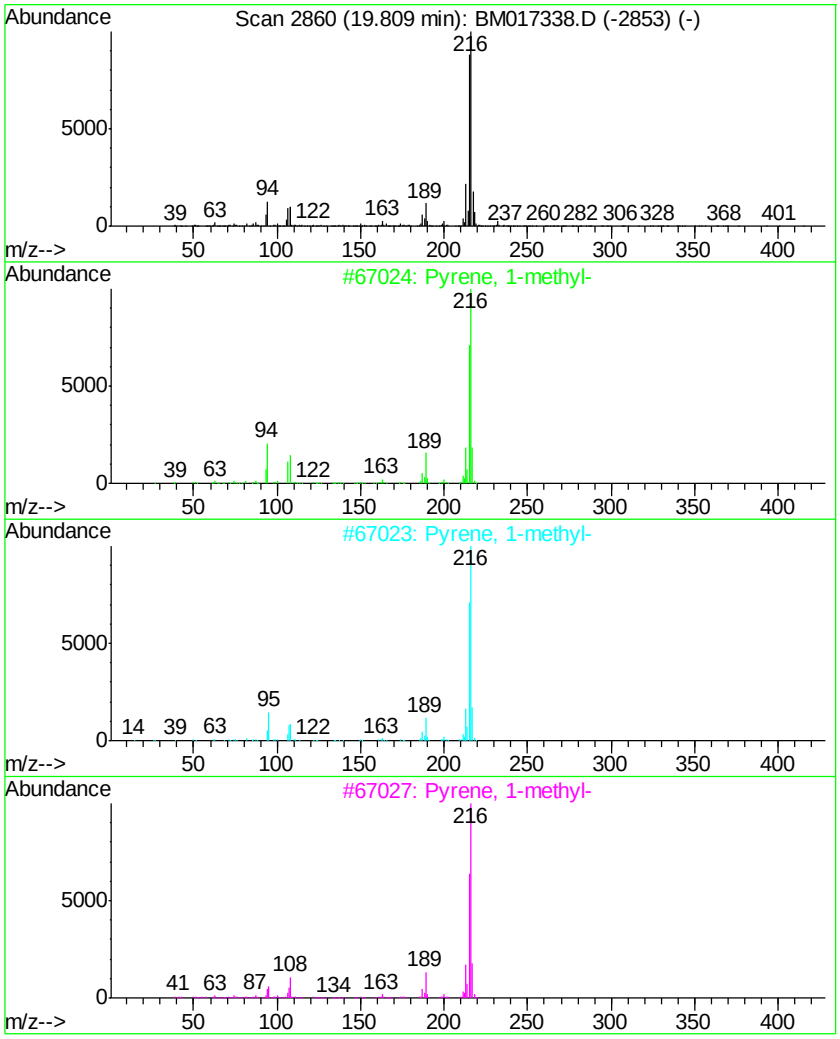
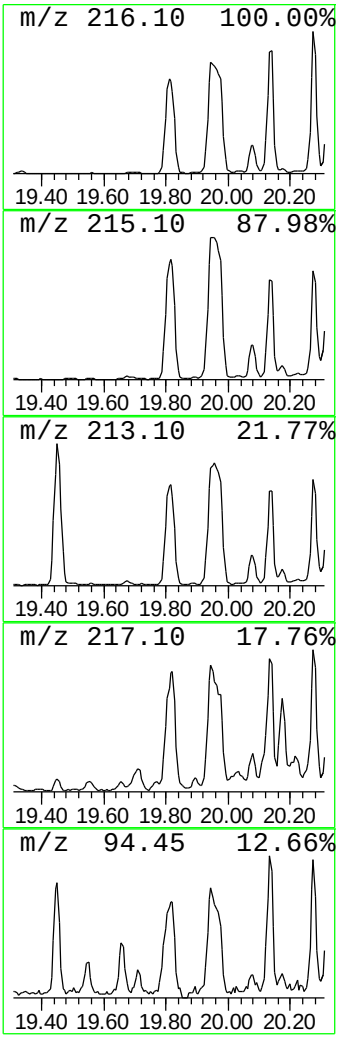
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	3.45 ng/ul	6371810	Chrysene-d12	21.26

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, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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Peak Number 14 Pyrene, 4-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.01 ng/ul	3715350	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
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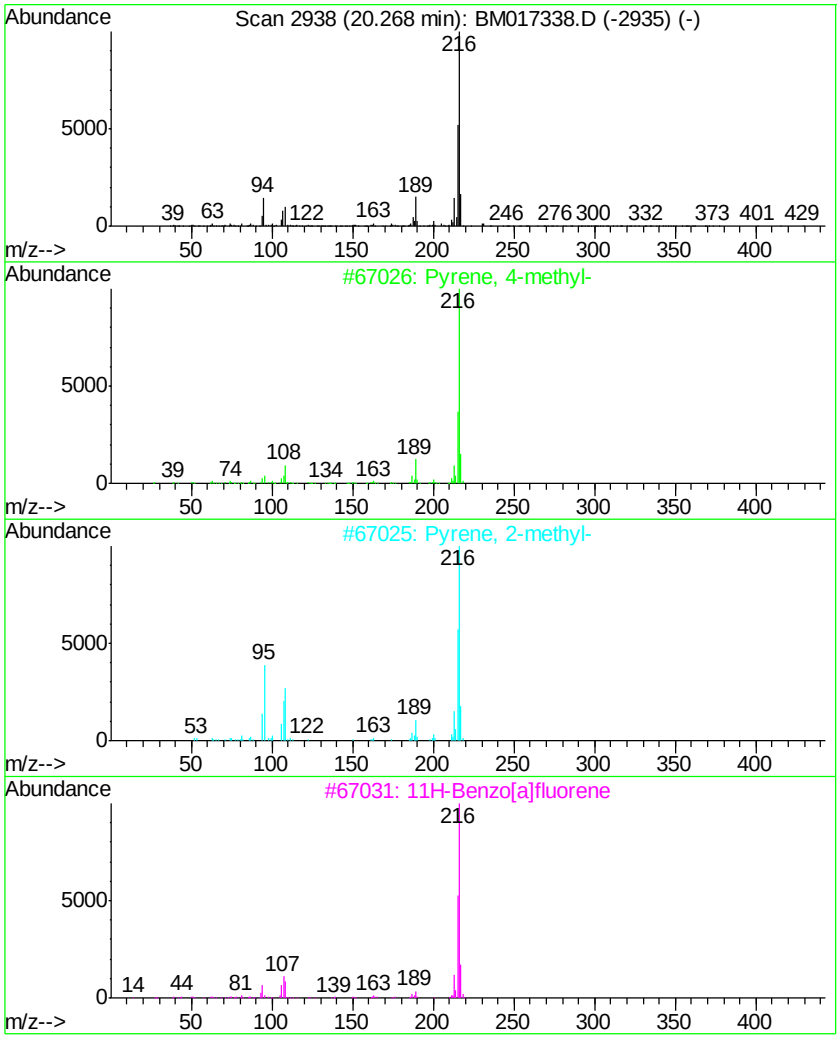

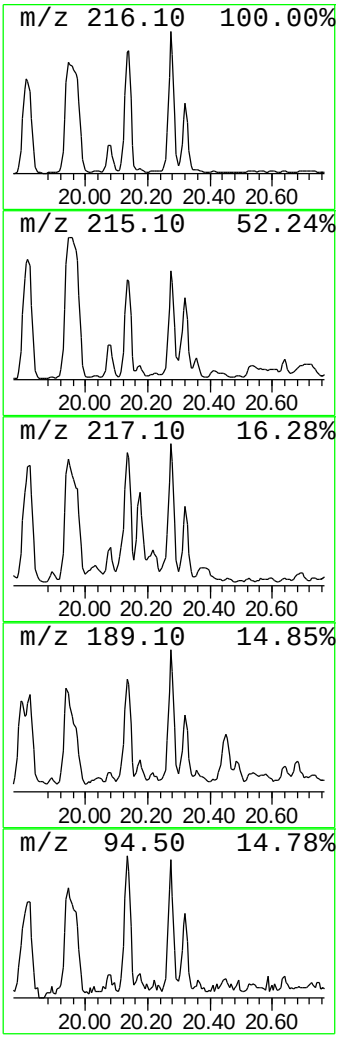

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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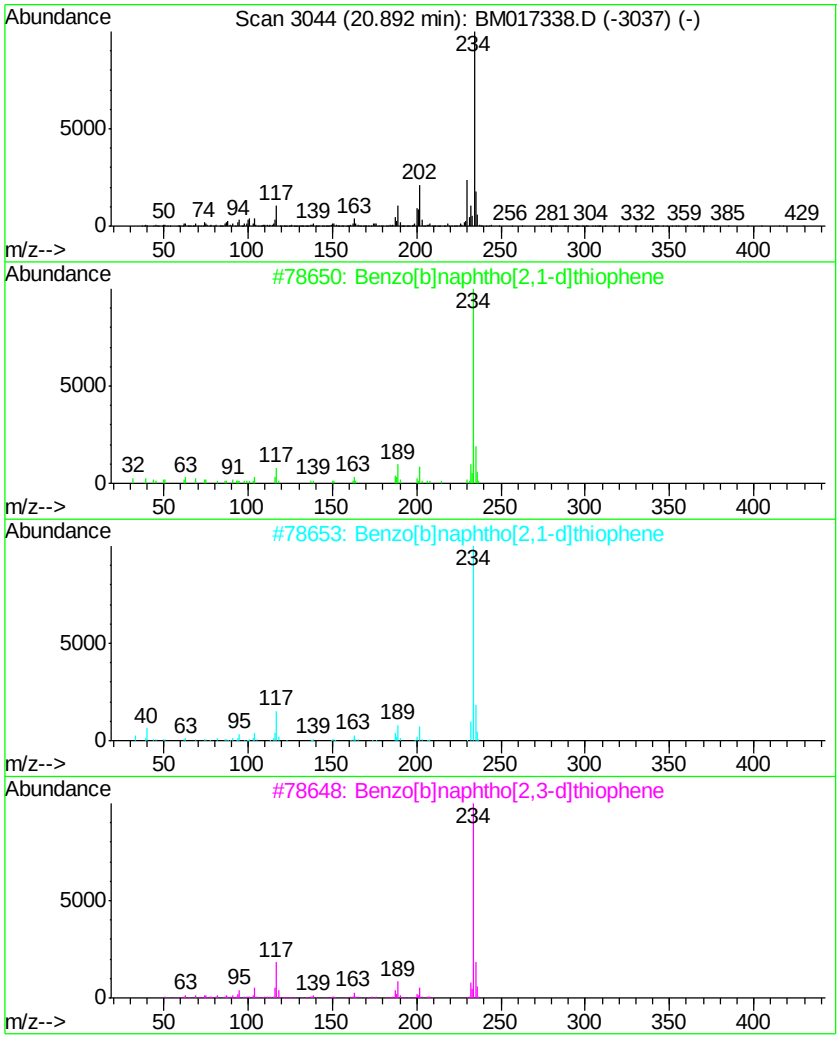
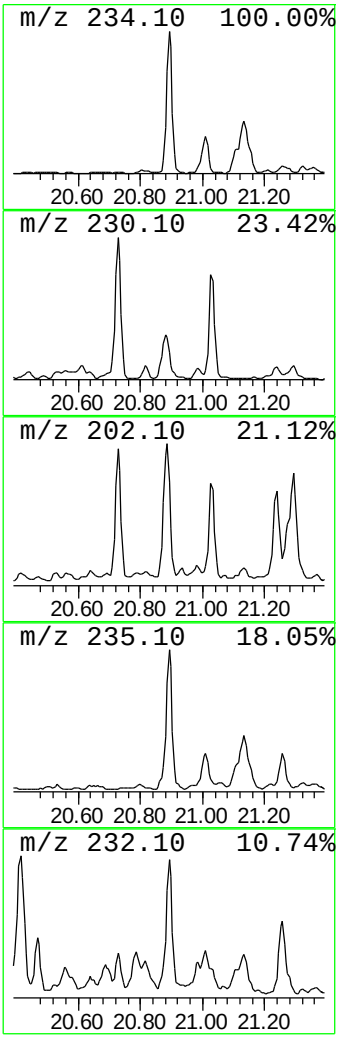
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	3.69 ng/ul	6815550	Chrysene-d12	21.26

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[2,3-d]thiophene	234	C16H10S	000243-46-9	89
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70





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Quant Title : SVOA CALIBRATION

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

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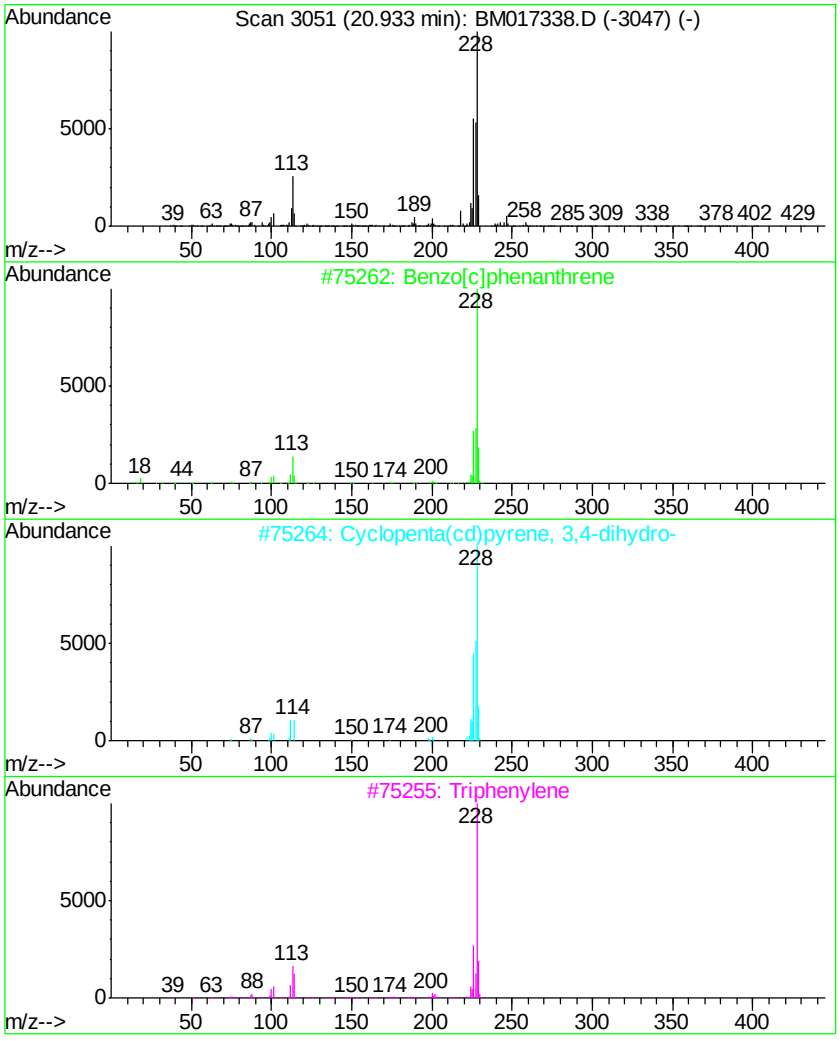
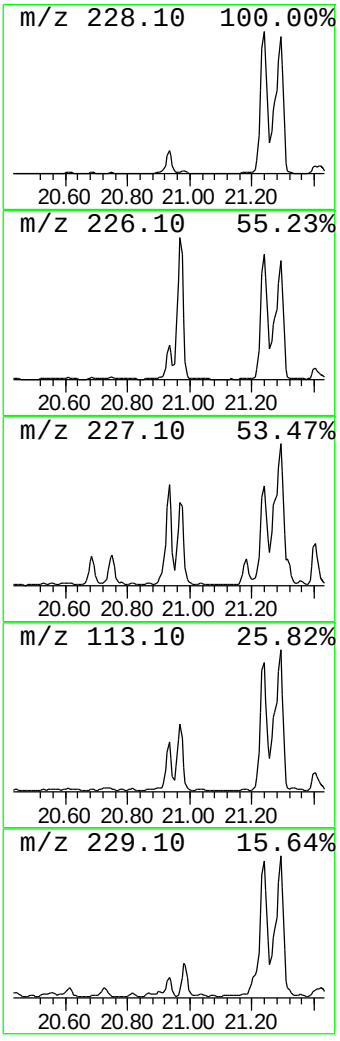
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.13 ng/ul	5786490	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	62
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
3	Triphenylene	228	C18H12	000217-59-4	49
4	Benz[a]anthracene	228	C18H12	000056-55-3	45
5	Triphenylene	228	C18H12	000217-59-4	43





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Quant Title : SVOA CALIBRATION

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

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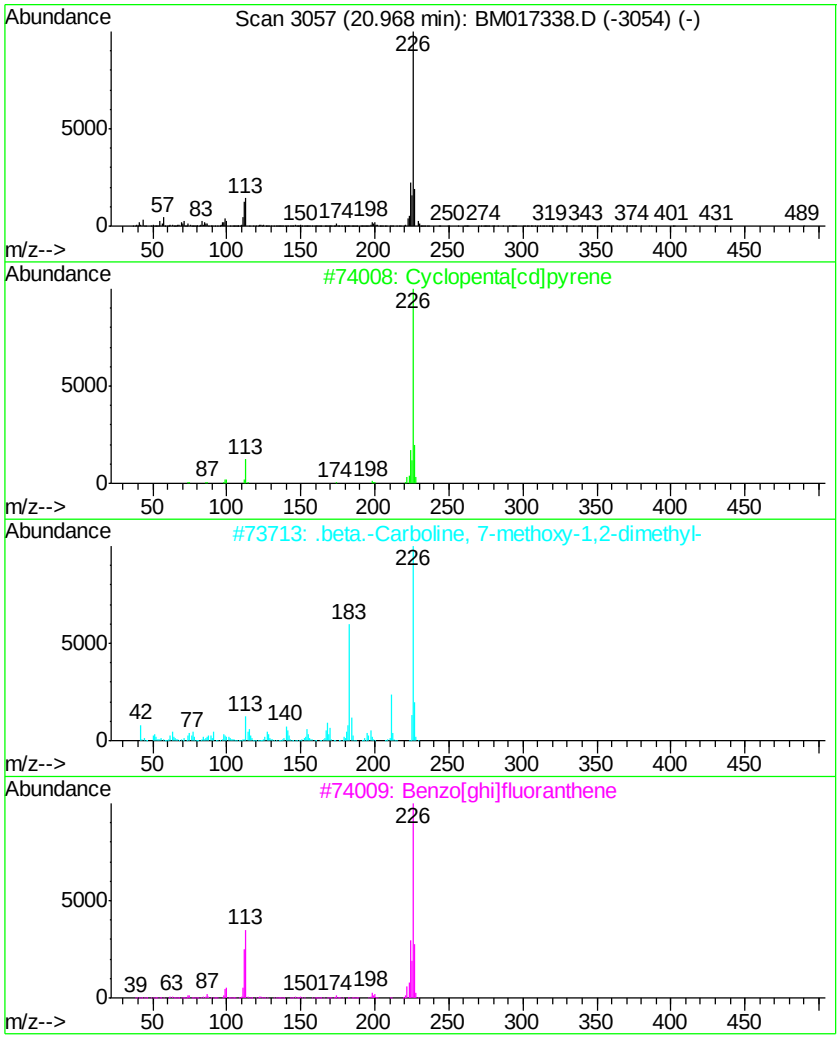
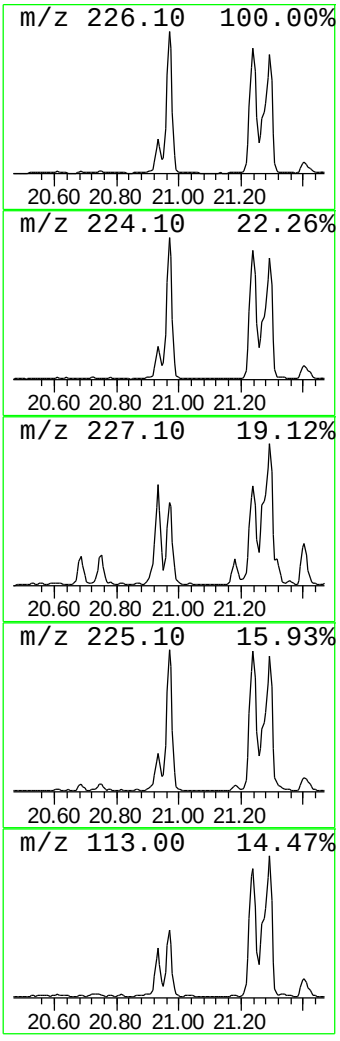
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	5.11 ng/ul	9442990	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	94
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	36





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Quant Title : SVOA CALIBRATION

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

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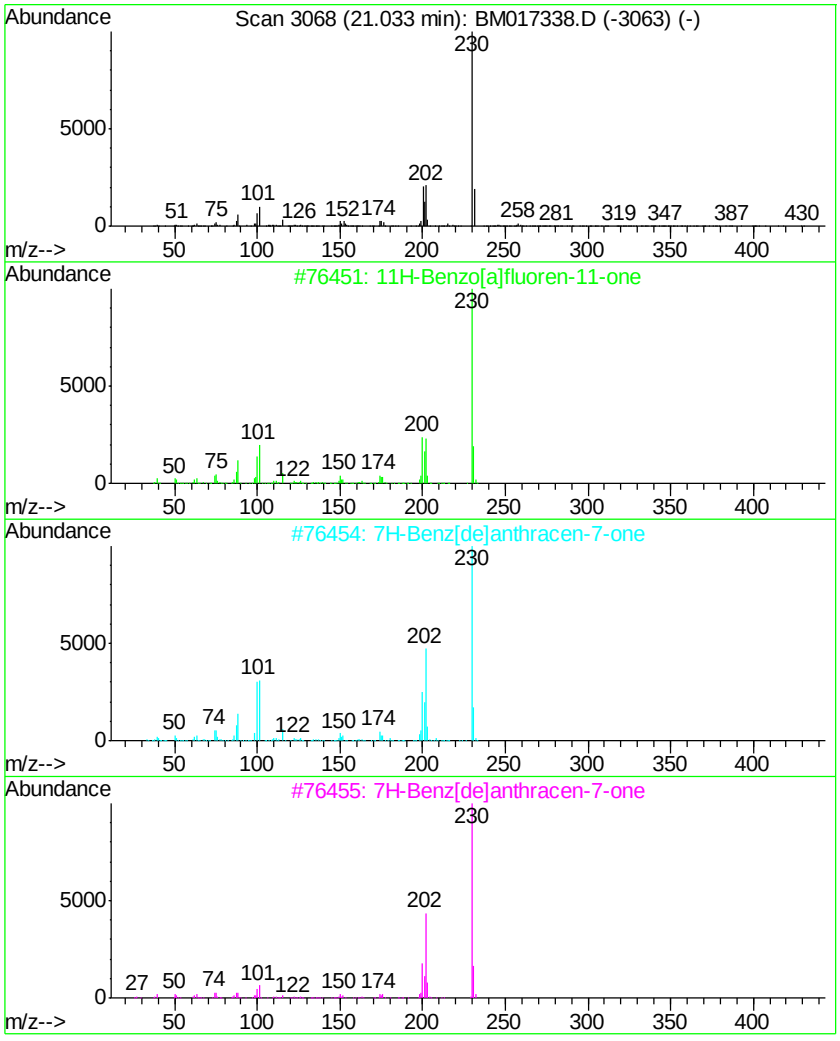
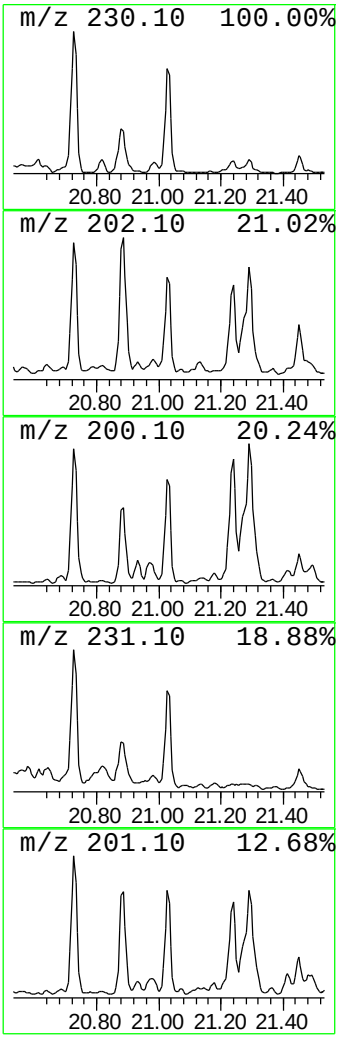
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	2.81 ng/ul	5195860	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78





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Sample : J5598-06
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Instrument : BNA_M
ClientSampleId : C0AF1

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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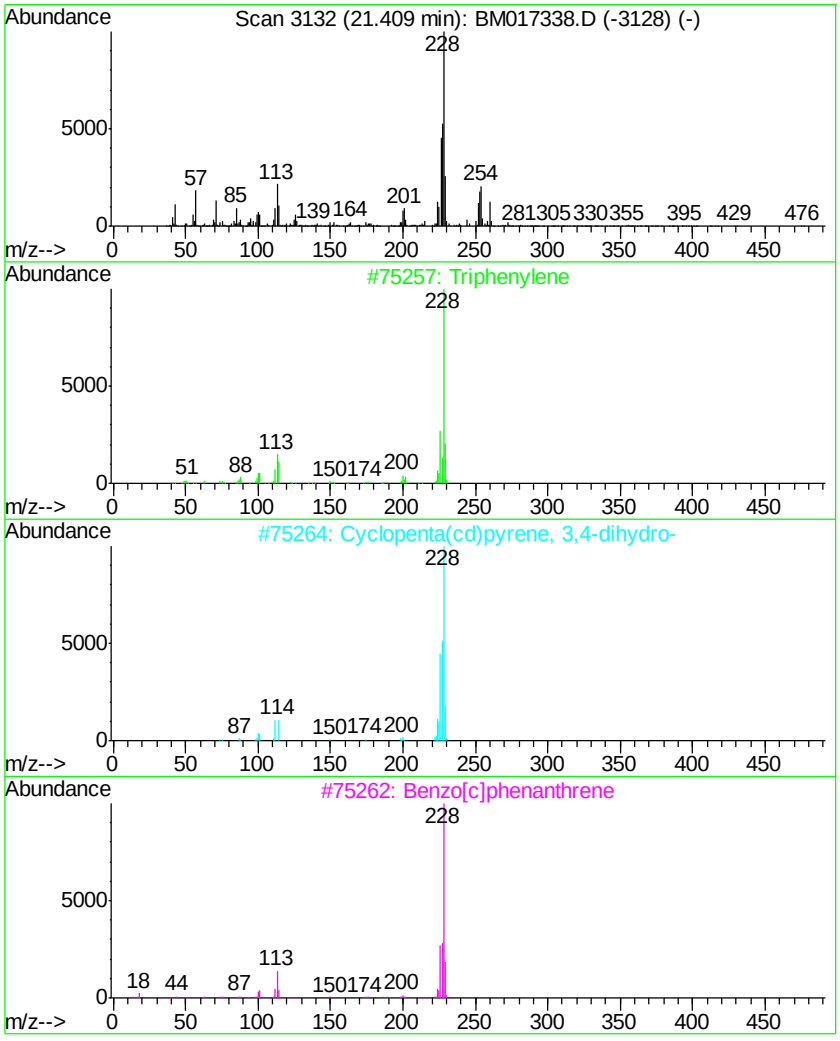
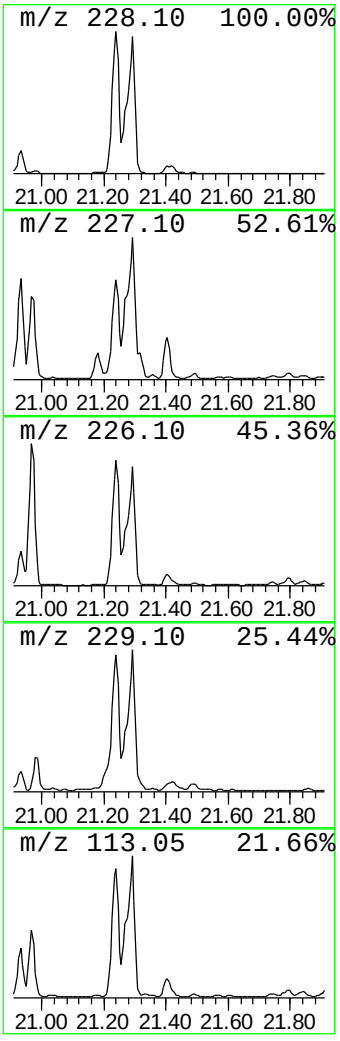
Peak Number 20 Triphenylene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.00 ng/ul	3699780	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene	228	C18H12	000217-59-4	90
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	86
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
5	Triphenylene	228	C18H12	000217-59-4	50





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Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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

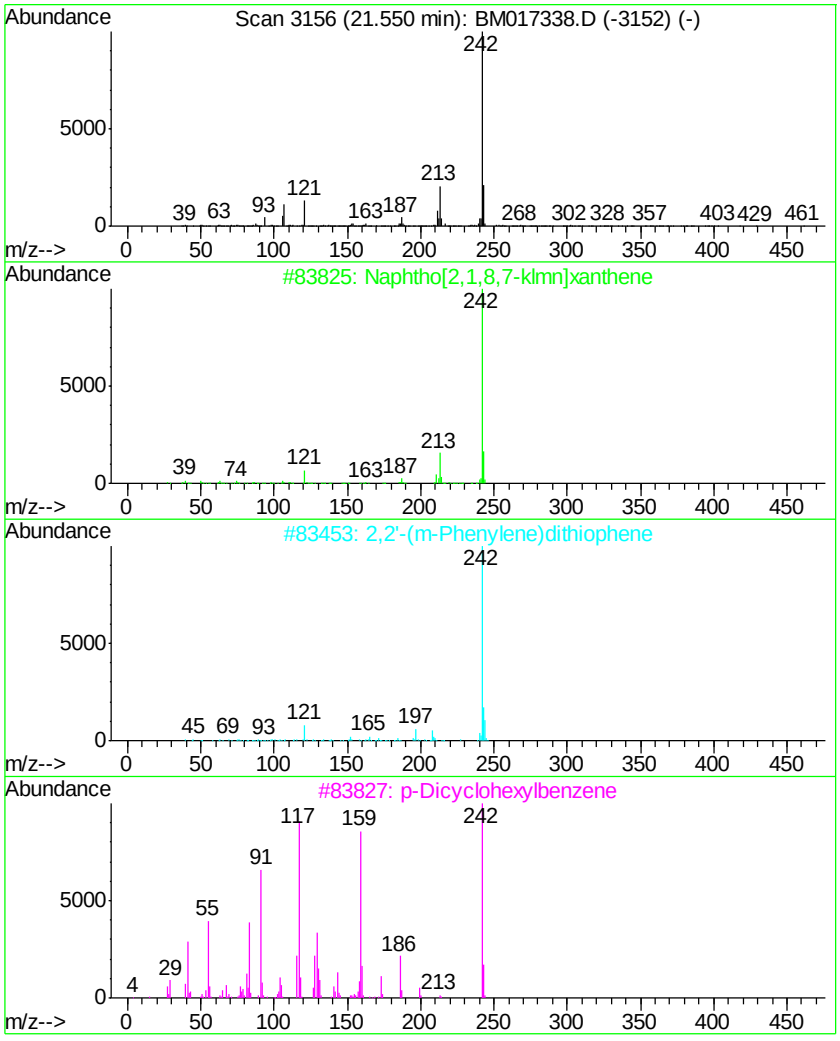
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

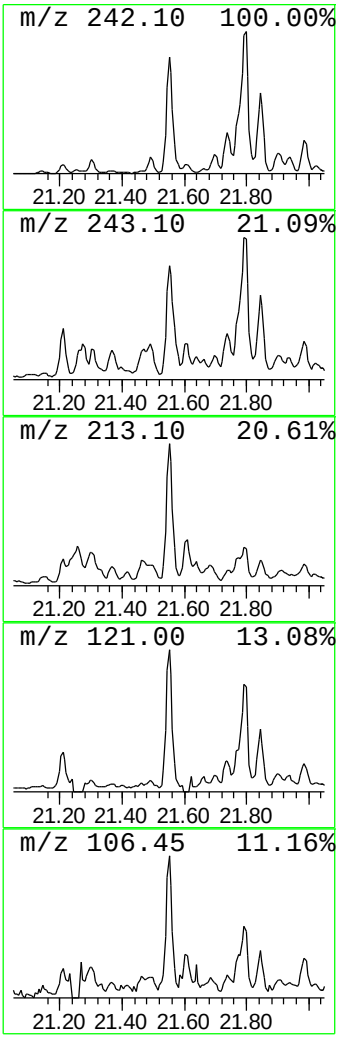
****

Peak Number 21 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	2.43 ng/ul	4484910	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	90
2	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	53
3	p-Dicyclohexylbenzene	242	C18H26	001087-02-1	43
4	3-Chloro-1-anthraquinonecarboxyl...	286	C15H7ClO4	025186-71-4	43
5	1,3-Diamino-5,6-dihydro-7-methox...	242	C13H14N4O	037436-49-0	40





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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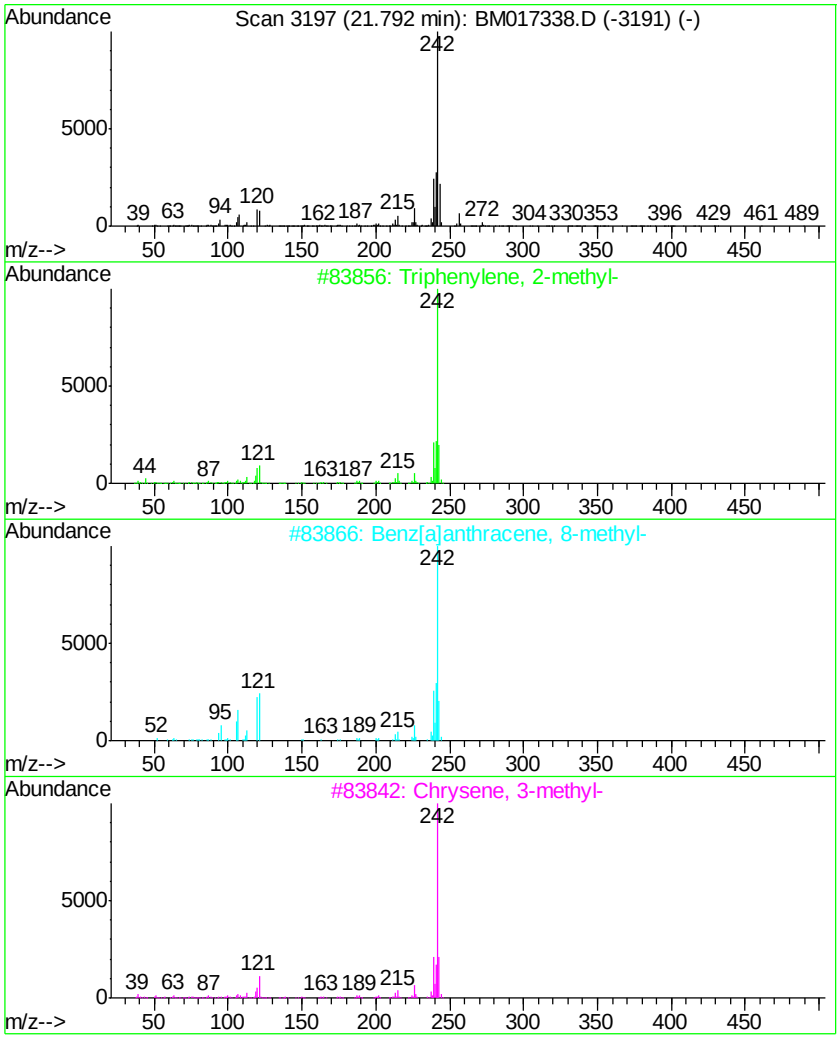
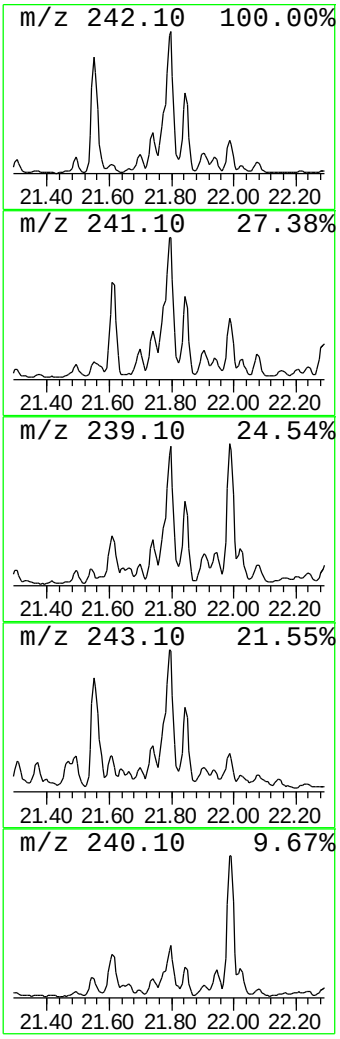
Peak Number 22 Triphenylene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	3.19 ng/ul	5886100	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93





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Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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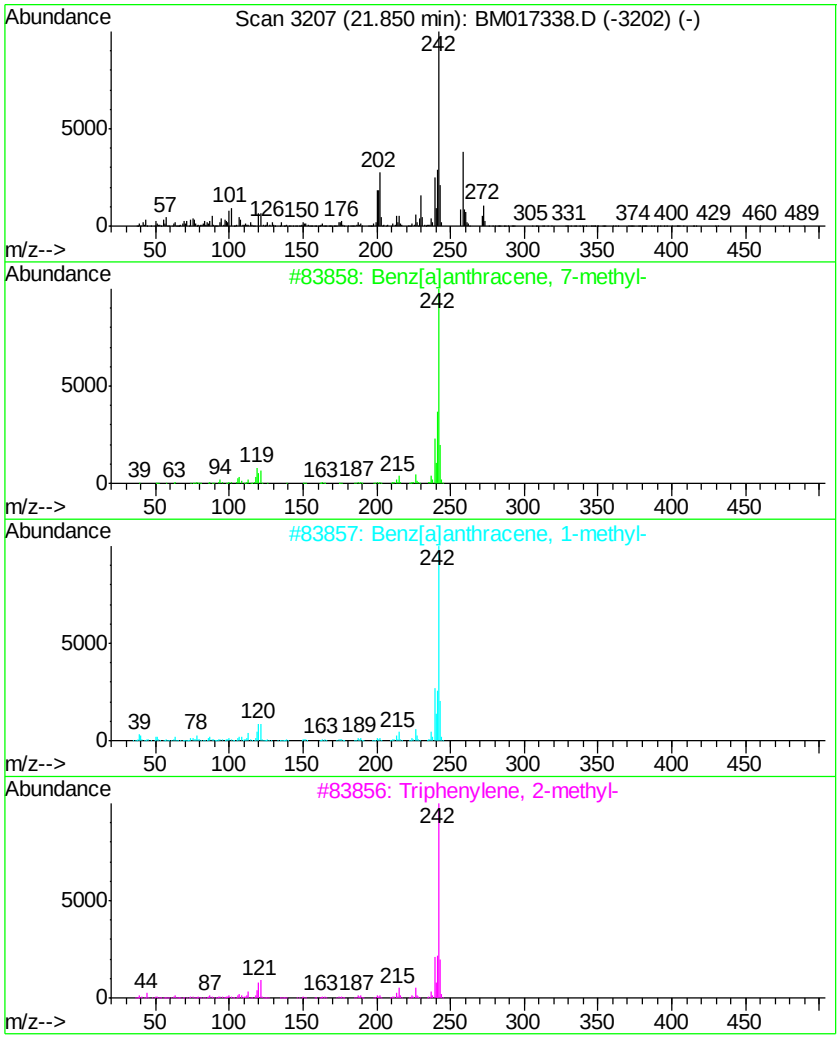
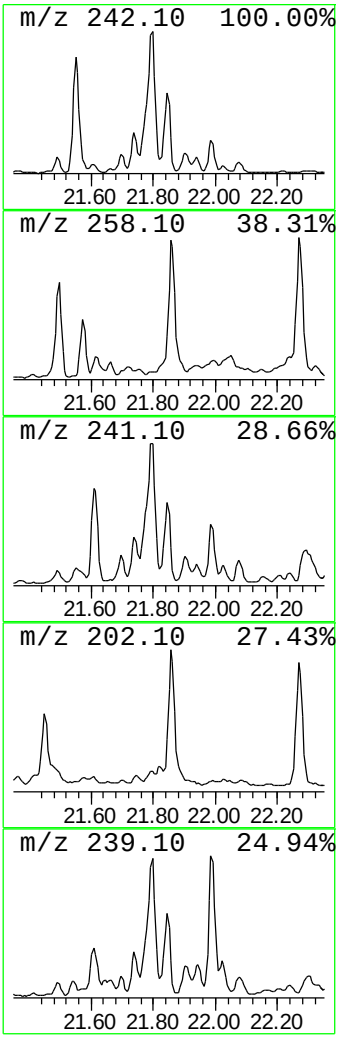
Peak Number 23 Benz[a]anthracene, 7-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.85	3.10 ng/ul	5728550	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	87
4	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	86
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	70





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Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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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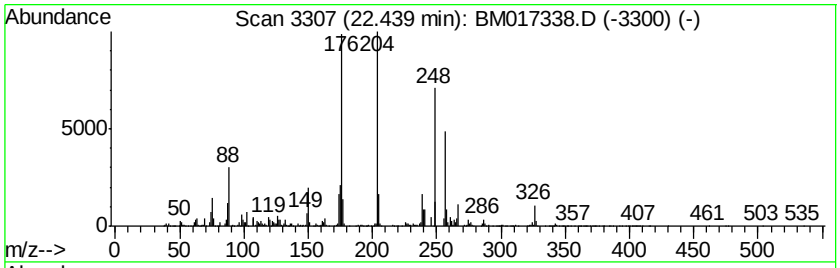
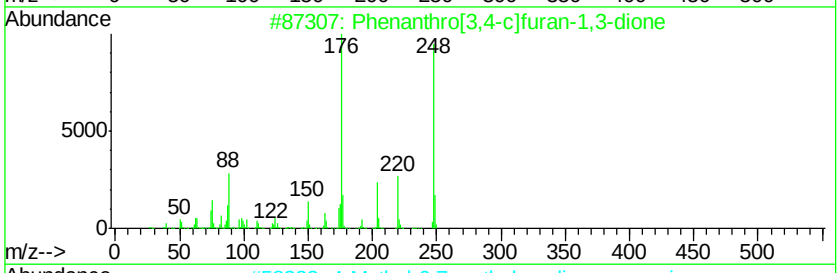
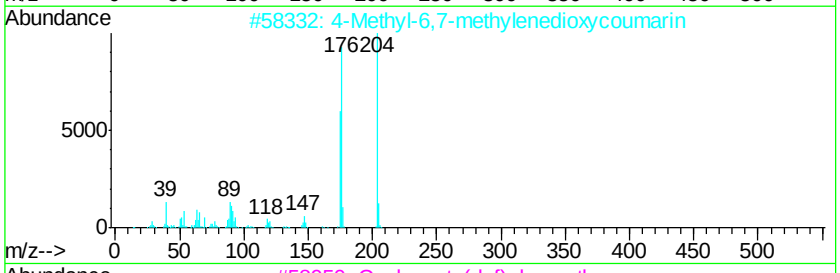
Peak Number 24 unknown-01 Concentration Rank 6

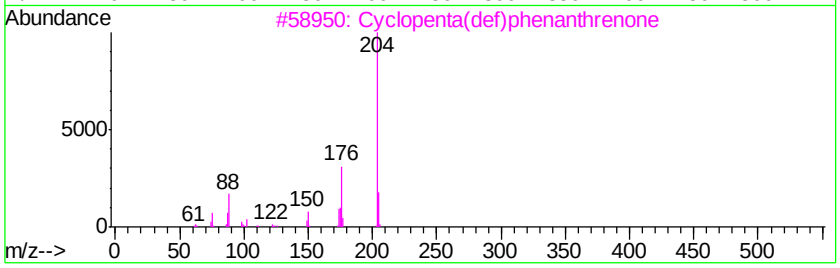
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	15.12 ng/ul	3455950	Perylene-d12	23.47

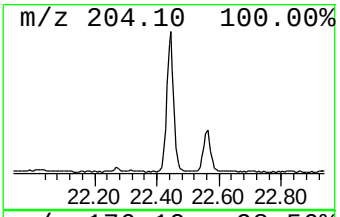
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	49
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	38
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	27
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	14
5	(Decahydro-isoquinolin-3-ylidene...	176	C11H16N2	1000185-70-0	14

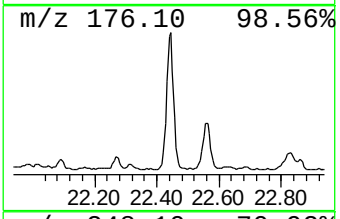


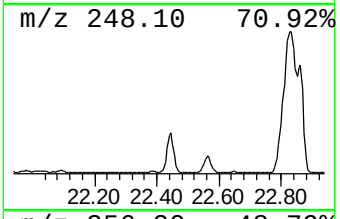


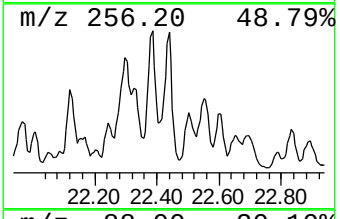


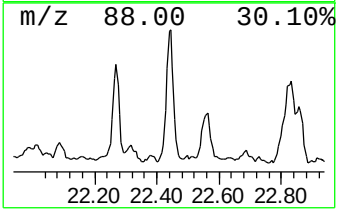












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Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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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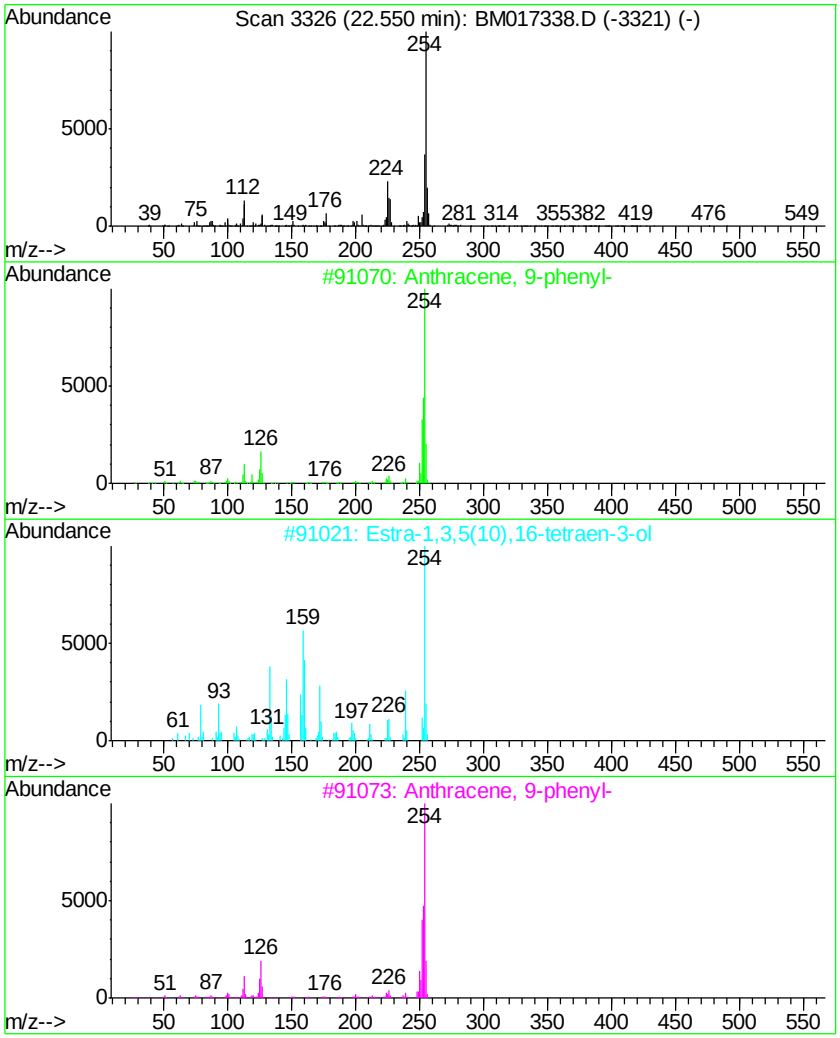
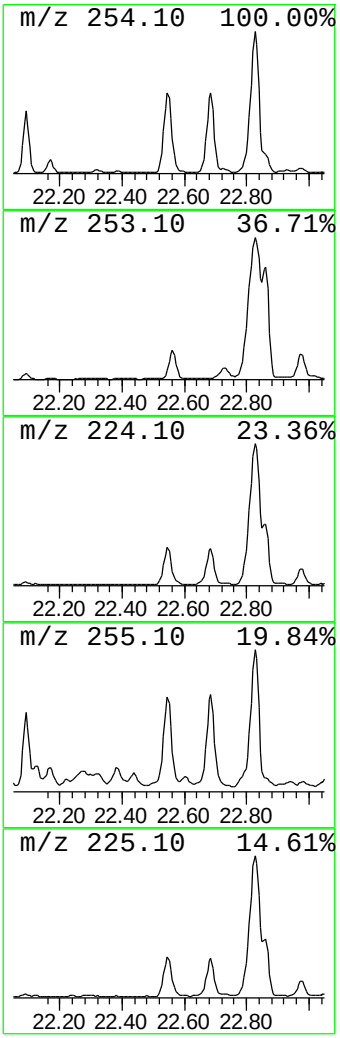
Peak Number 25 Anthracene, 9-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	25.55 ng/ul	5837780	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	68
2	Estra-1,3,5(10),16-tetraen-3-ol	254	C18H22O	001150-90-9	60
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	58





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Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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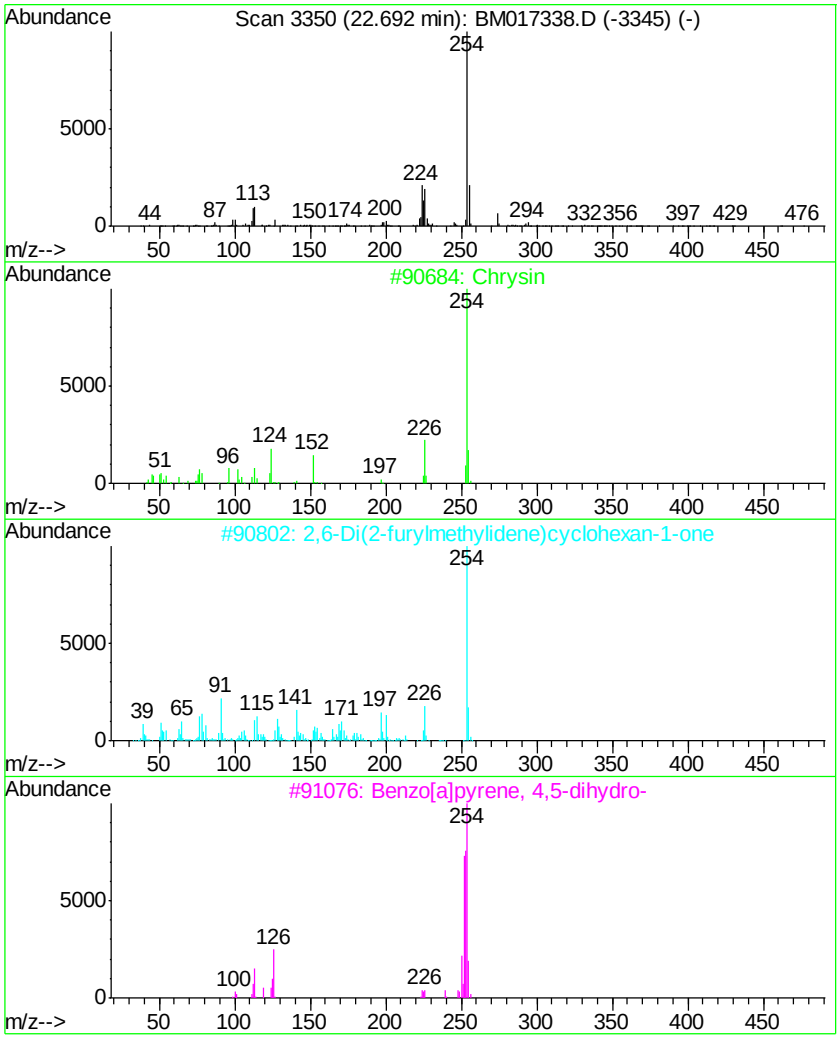
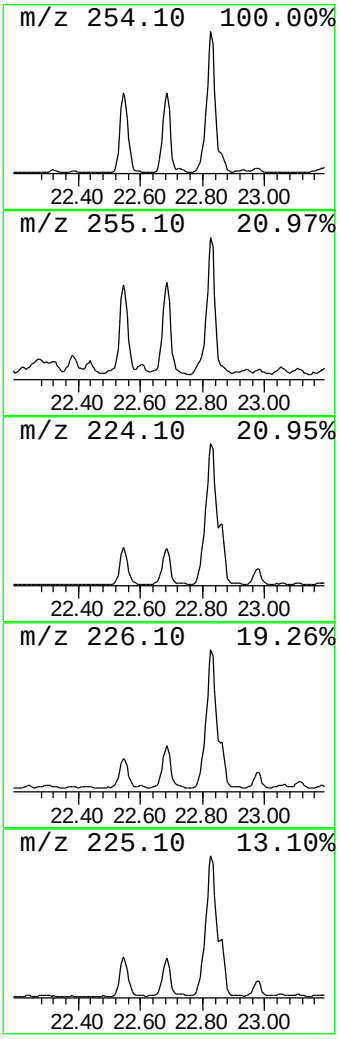
Peak Number 26 Chrysin Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	13.69 ng/ul	3129390	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	58
2	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	53
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	53
4	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	53
5	Estra-1,3,5(10),16-tetraen-3-ol	254	C18H22O	001150-90-9	43





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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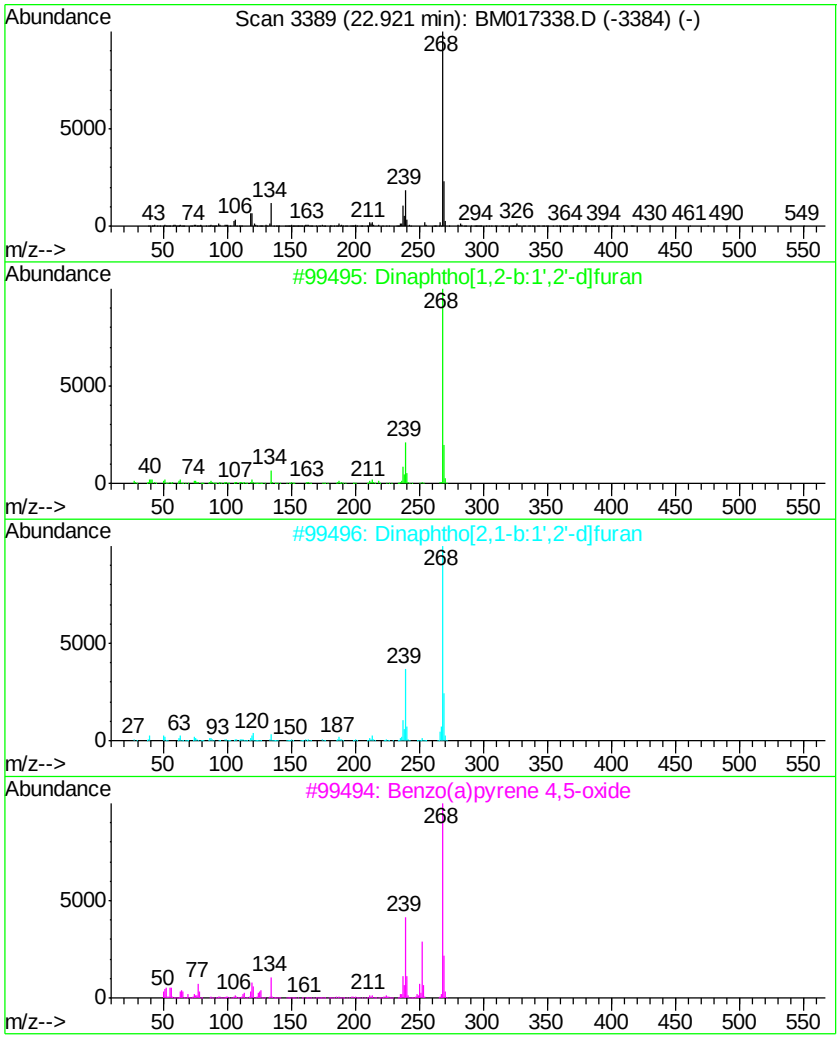
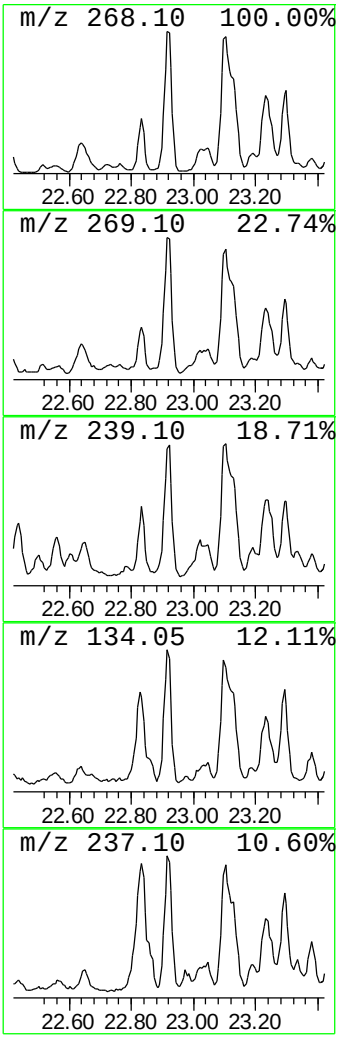
Peak Number 27 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.92	10.41 ng/ul	2379520	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	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	80
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	64
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	64





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Quant Title : SVOA CALIBRATION

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

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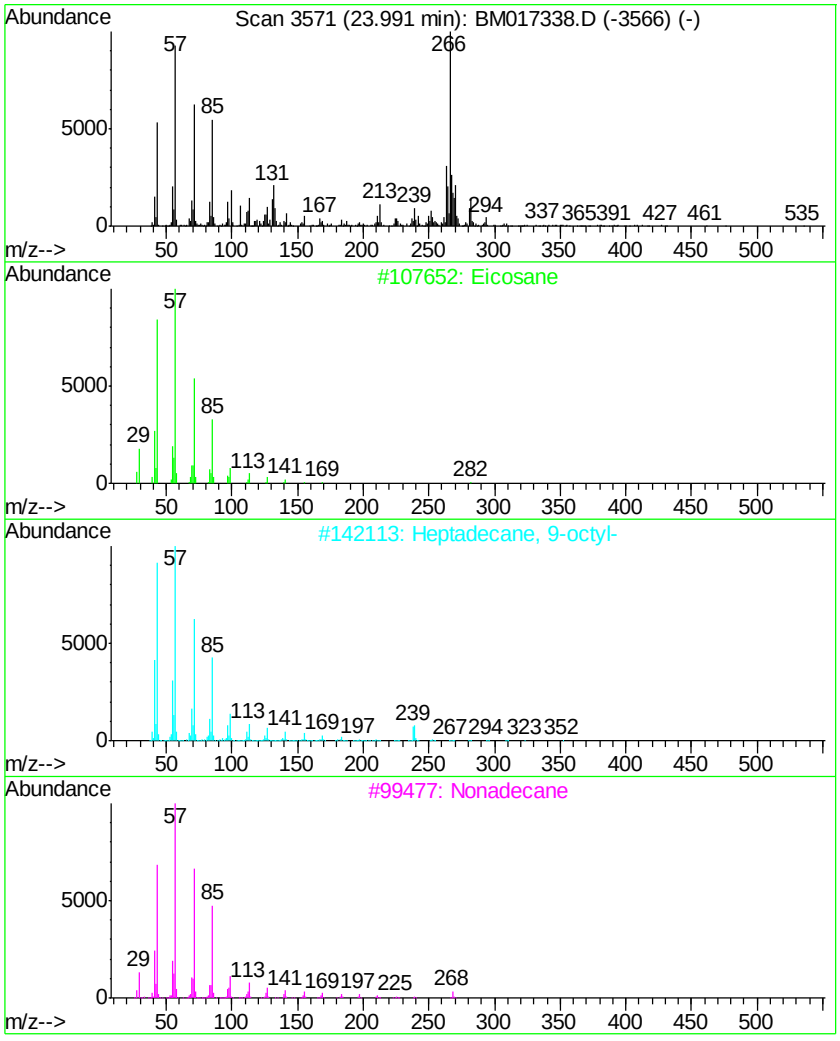
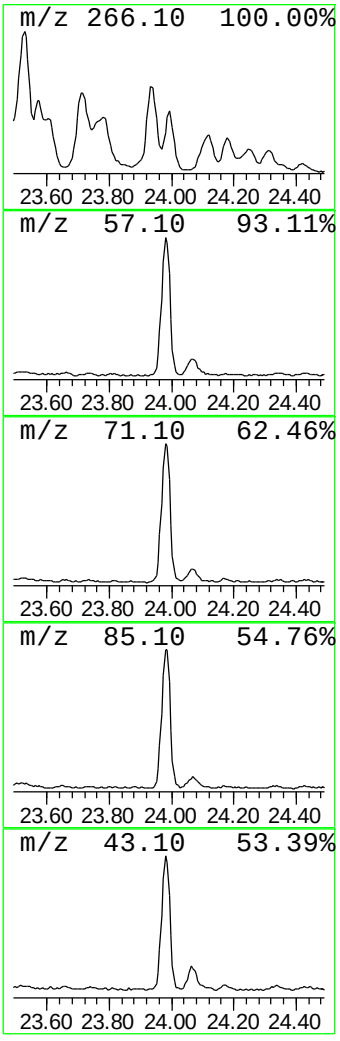
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.99	13.21 ng/ul	3017950	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
3	Nonadecane	268	C19H40	000629-92-5	70
4	Eicosane	282	C20H42	000112-95-8	64
5	Octacosane	394	C28H58	000630-02-4	60





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Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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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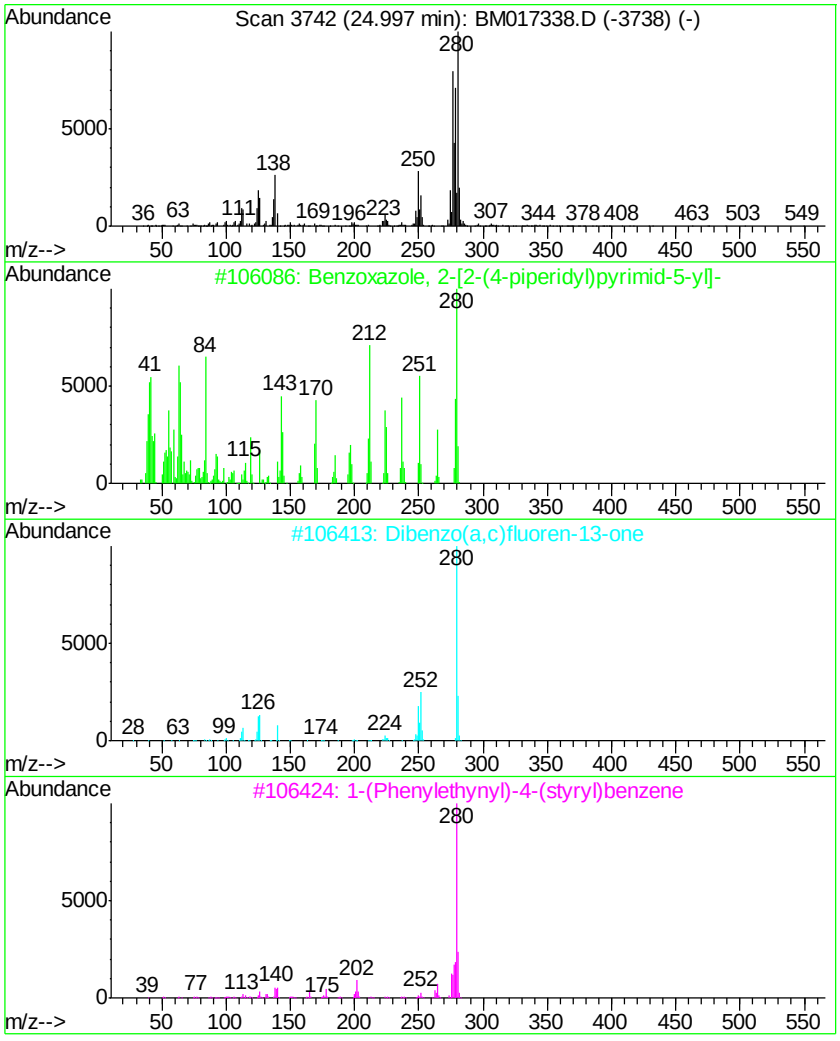
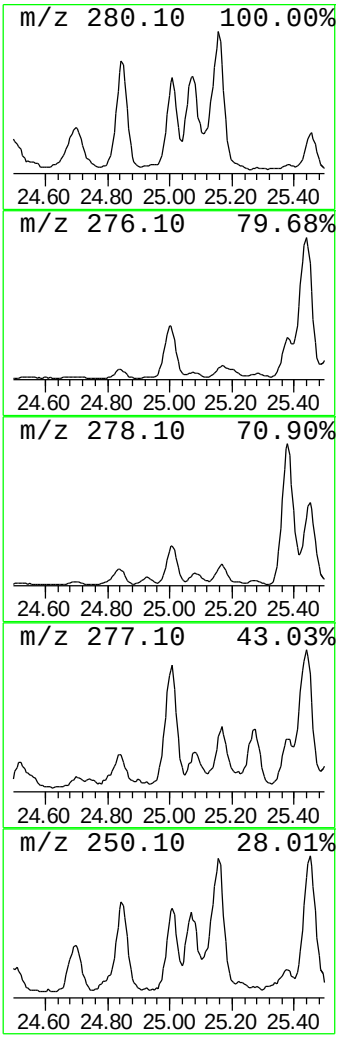
Peak Number 31 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.00	8.10 ng/ul	1850560	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	83
2	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	46
3	1-(Phenylethynyl)-4-(styryl)benzene	280	C22H16	021850-30-6	38
4	Ibogamine, (2.alpha.,5.beta.,6.a...	280	C19H24N2	001673-99-0	35
5	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	35





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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Quant Title : SVOA CALIBRATION

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

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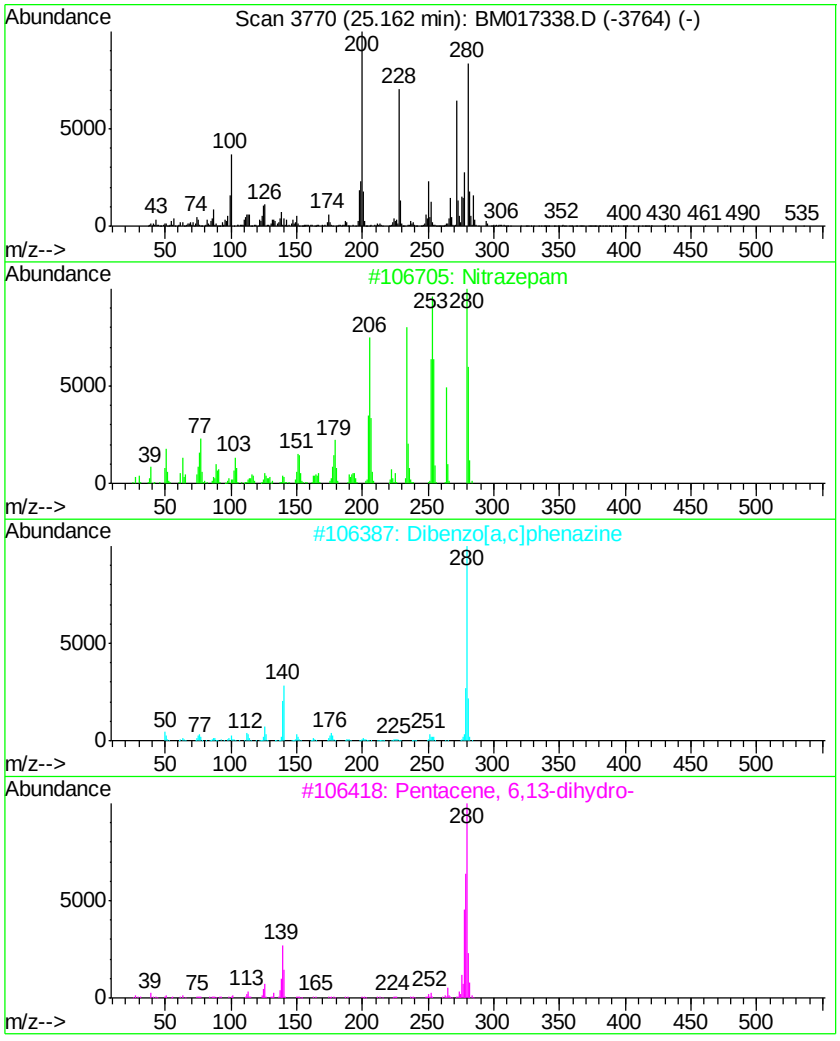
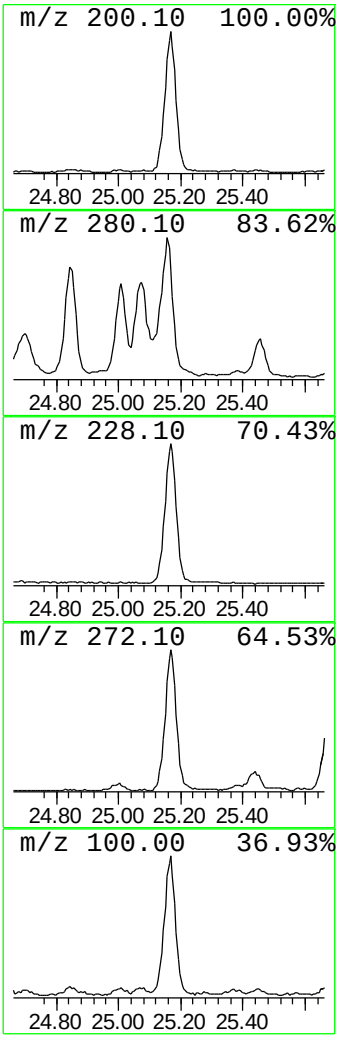
Peak Number 32 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.16	20.62 ng/ul	4712630	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrazepam	281	C15H11N3O3	000146-22-5	25
2	Dibenzo[a,c]phenazine	280	C20H12N2	000215-64-5	18
3	Pentacene, 6,13-dihydro-	280	C22H16	013579-08-3	18
4	Pyrido[2,3-b]isoquinolino[3,4-d]...	280	C16H12N2OS	1000267-18-3	15
5	(9E)-Styrylanthracene	280	C22H16	001895-98-3	14





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Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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

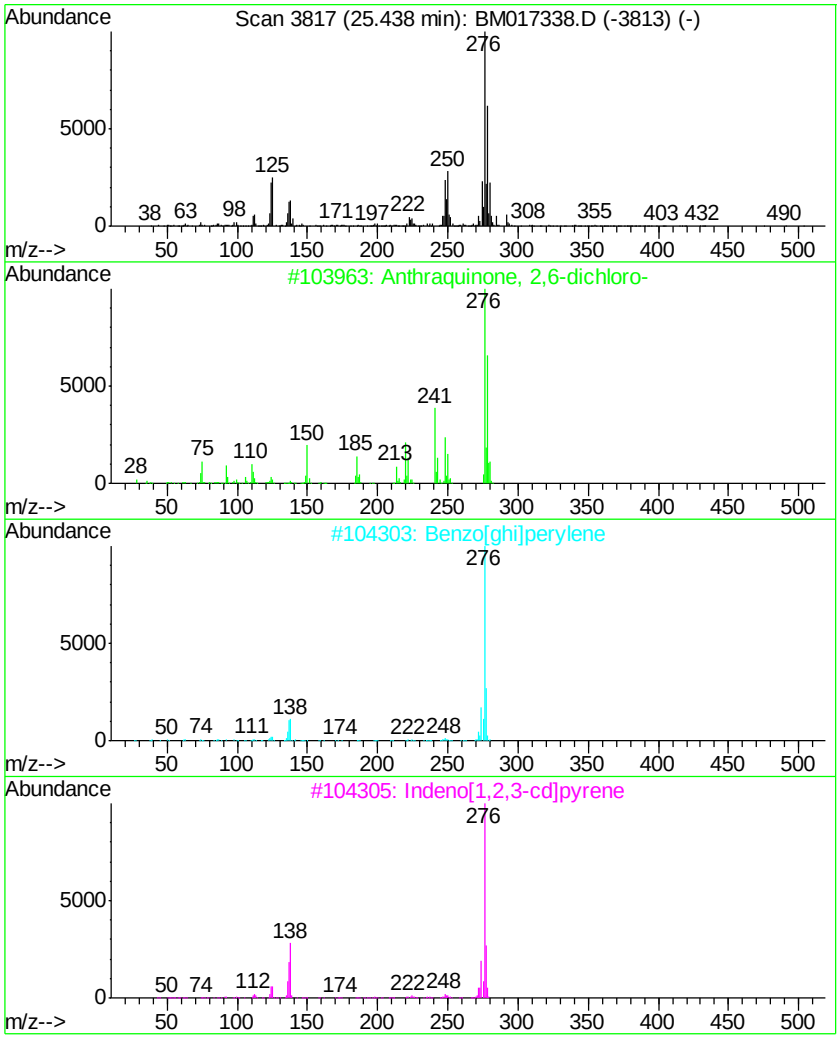
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

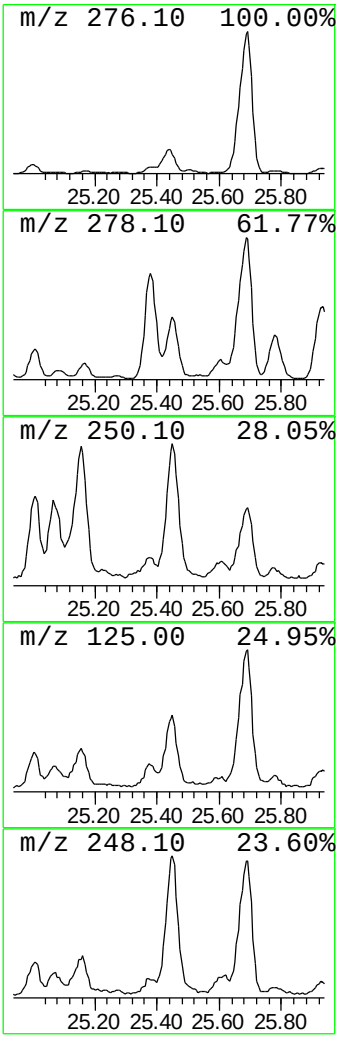
****

Peak Number 33 Anthraquinone, 2,6-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.44	15.51 ng/ul	3543810	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	72
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	42
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	42
4	1,2,3,4-Phenazinetetrol, 7-chloro-	278	C12H7ClN2O4	023774-10-9	41
5	Curan, 16,17,19,20-tetradehydro-	278	C19H22N2	056053-17-9	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017338.D
Acq On : 25 Oct 2018 03:45
Operator : MJ/SJ
Sample : J5598-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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
Benzene, 1-propynyl-	8.19	4.6	ng/ul	434746	1	7.66	1875600	20.0
Indole	11.95	2.1	ng/ul	307317	2	10.43	2943370	20.0
n-Hexadecanoic acid	17.96	6.8	ng/ul	1666380	4	17.05	4940320	20.0
1H-Cyclopropa[l]p...	18.05	2.4	ng/ul	588446	4	17.05	4940320	20.0
4H-Cyclopenta[def...	18.12	4.4	ng/ul	1086040	4	17.05	4940320	20.0
Anthrone	18.32	3.5	ng/ul	853283	4	17.05	4940320	20.0
9,10-Anthracenedione	18.47	4.3	ng/ul	1065550	4	17.05	4940320	20.0
Phenanthrene, 2,5...	18.85	4.1	ng/ul	1007510	4	17.05	4940320	20.0
11-Octadecenoic a...	18.91	5.6	ng/ul	1374440	4	17.05	4940320	20.0
Cyclopenta(def)ph...	18.99	15.1	ng/ul	3721580	4	17.05	4940320	20.0
Pyrene, 1-methyl-	19.81	3.5	ng/ul	6371810	5	21.26	36955500	20.0
Pyrene, 4-methyl-	20.27	2.0	ng/ul	3715350	5	21.26	36955500	20.0
Benzo[b]naphtho[2...	20.89	3.7	ng/ul	6815550	5	21.26	36955500	20.0
Benzo[c]phenanthrene	20.93	3.1	ng/ul	5786490	5	21.26	36955500	20.0
Cyclopenta[cd]pyrene	20.97	5.1	ng/ul	9442990	5	21.26	36955500	20.0
11H-Benzo[a]fluor...	21.03	2.8	ng/ul	5195860	5	21.26	36955500	20.0
Triphenylene	21.41	2.0	ng/ul	3699780	5	21.26	36955500	20.0
Naphtho[2,1,8,7-k...	21.55	2.4	ng/ul	4484910	5	21.26	36955500	20.0
Triphenylene, 2-m...	21.79	3.2	ng/ul	5886100	5	21.26	36955500	20.0
Benz[a]anthracene...	21.85	3.1	ng/ul	5728550	5	21.26	36955500	20.0
unknown-01	22.44	15.1	ng/ul	3455950	6	23.47	4570480	20.0
Anthracene, 9-phe...	22.55	25.6	ng/ul	5837780	6	23.47	4570480	20.0
Chrysin	22.69	13.7	ng/ul	3129390	6	23.47	4570480	20.0
Dinaphtho[1,2-b:1...	22.92	10.4	ng/ul	2379520	6	23.47	4570480	20.0
(DEL) Alkane: Str...	23.99	13.2	ng/ul	3017950	6	23.47	4570480	20.0
Benzoxazole, 2-[2...	25.00	8.1	ng/ul	1850560	6	23.47	4570480	20.0
unknown-02	25.16	20.6	ng/ul	4712630	6	23.47	4570480	20.0
Anthraquinone, 2,...	25.44	15.5	ng/ul	3543810	6	23.47	4570480	20.0