LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
Operator : JU/CG
Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

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-BM072720MA.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	2.902	23	28	36	rBV	112396	194918	0.94%	0.153%
2	2.978	36	41	52	rVB	523065	665312	3.20%	0.521%
3	6.837	690	697	705	rBV	107877	171488	0.83%	0.134%
4	7.001	719	725	733	rVV	76544	121652	0.59%	0.095%
5	7.201	753	759	768	rVB	106740	167998	0.81%	0.131%
6	7.660	830	837	845	rBV	432515	668405	3.22%	0.523%
7	8.195	922	928	935	rBV	68154	126742	0.61%	0.099%
8	8.360	950	956	963	rBV	126752	192115	0.92%	0.150%
9	8.801	1024	1031	1039	rVB	96500	157335	0.76%	0.123%
10	9.519	1147	1153	1160	rBV	79304	127139	0.61%	0.100%
11	10.054	1236	1244	1252	rVB	129796	213865	1.03%	0.167%
12	10.436	1301	1309	1314	rBV	543738	933547	4.49%	0.731%
13	10.483	1314	1317	1325	rVB	76788	119654	0.58%	0.094%
14	10.566	1325	1331	1341	rBV3	36251	74563	0.36%	0.058%
15	11.930	1554	1563	1571	rBV	44866	111530	0.54%	0.087%
16	13.577	1838	1843	1847	rBV2	69443	102118	0.49%	0.080%
17	13.707	1860	1865	1869	rVV	201903	282571	1.36%	0.221%
18	13.748	1869	1872	1879	rVB2	84613	123144	0.59%	0.096%
19	13.983	1905	1912	1913	rBV	251676	334082	1.61%	0.261%
20	14.013	1913	1917	1927	rVB	541099	861813	4.15%	0.674%
21	14.295	1958	1965	1970	rBV	809016	1191946	5.74%	0.933%
22	14.354	1970	1975	1983	rVB2	47422	86346	0.42%	0.068%
23	14.483	1991	1997	2004	rVB2	82144	129946	0.63%	0.102%
24	14.695	2027	2033	2044	rBV	95819	167298	0.81%	0.131%
25	15.289	2128	2134	2139	rBV	300999	440286	2.12%	0.345%
26	15.342	2139	2143	2149	rVV	71218	117671	0.57%	0.092%
27	15.401	2149	2153	2158	rVB	66830	89754	0.43%	0.070%
28	15.548	2173	2178	2181	rVV2	29613	70543	0.34%	0.055%
29	15.589	2181	2185	2189	rVV3	66612	109509	0.53%	0.086%
30	15.789	2215	2219	2226	rVV	35284	75539	0.36%	0.059%
31	16.012	2251	2257	2264	rBV2	113202	212498	1.02%	0.166%
32	16.618	2356	2360	2364	rBV2	71166	92743	0.45%	0.073%
33	16.689	2367	2372	2381	rVB	120212	196047	0.94%	0.153%
34	17.036	2425	2431	2434	rBV	928882	1349595	6.49%	1.056%

LSC Area Percent Report

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Sample : L3424-06 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S81

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-BM072720MA.M
Title : SVOA CALIBRATION

35	17.077	2434	2438	2443	rVB	641943	856406	4.12%	0.670%
36	17.130	2443	2447	2449	rBV	313355	422945	2.04%	0.331%
37	17.165	2449	2453	2460	rVB	1304143	1858326	8.94%	1.454%
38	17.430	2490	2498	2504	rBV	320102	577005	2.78%	0.452%
39	17.912	2576	2580	2583	rBV	74946	108186	0.52%	0.085%
40	17.954	2583	2587	2595	rVB2	281830	413831	1.99%	0.324%
41	18.036	2597	2601	2606	rVB	148313	202136	0.97%	0.158%
42	18.106	2607	2613	2617	rBV2	184762	348186	1.68%	0.273%
43	18.295	2641	2645	2652	rVB	236082	340452	1.64%	0.266%
44	18.448	2668	2671	2678	rVB	324926	434822	2.09%	0.340%
45	18.753	2720	2723	2727	rVB	79470	97712	0.47%	0.076%
46	18.830	2732	2736	2742	rBV3	201752	331492	1.60%	0.259%
47	18.901	2744	2748	2751	rVV4	94442	172837	0.83%	0.135%
48	18.971	2755	2760	2768	rVB	656661	902923	4.34%	0.707%
49	19.101	2776	2782	2787	rBV	5122958	6577466	31.65%	5.148%
50	19.248	2802	2807	2811	rBV2	316115	535095	2.57%	0.419%
51	19.430	2833	2838	2839	rBV	1037217	1159884	5.58%	0.908%
52	19.465	2839	2844	2851	rVB	6714969	9353729	45.01%	7.321%
53	19.536	2852	2856	2863	rVB2	159500	300526	1.45%	0.235%
54	19.642	2870	2874	2878	rBV	273552	343718	1.65%	0.269%
55	19.795	2894	2900	2905	rBV3	542023	1092523	5.26%	0.855%
56	19.924	2917	2922	2932	rVB5	750254	2157349	10.38%	1.688%
57	20.053	2941	2944	2948	rVB2	257443	332648	1.60%	0.260%
58	20.112	2948	2954	2958	rBV2	792687	1290160	6.21%	1.010%
59	20.153	2958	2961	2965	rVB2	254794	311687	1.50%	0.244%
60	20.200	2966	2969	2974	rBV4	116124	171481	0.83%	0.134%
61	20.253	2974	2978	2982	rBV	665543	861872	4.15%	0.675%
62	20.324	2988	2990	2994	rVB	474675	504419	2.43%	0.395%
63	20.365	2994	2997	3003	rVB2	260078	297449	1.43%	0.233%
64	20.512	3019	3022	3026	rBV4	222418	382600	1.84%	0.299%
65	20.624	3038	3041	3044	rVB3	181120	188288	0.91%	0.147%
66	20.659	3044	3047	3051	rBV	157442	279553	1.35%	0.219%
67	20.706	3051	3055	3061	rVB2	743632	1114637	5.36%	0.872%
68	20.871	3077	3083	3086	rBV2	664137	1243859	5.99%	0.974%
69	20.912	3086	3090	3093	rVV2	695742	920229	4.43%	0.720%
70	20.947	3093	3096	3101	rVV	1609171	2131086	10.25%	1.668%
71	21.000	3101	3105	3109	rVB2	450927	577653	2.78%	0.452%

LSC Area Percent Report

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Acq On : 31 Jul 2020 21:08
Operator : JU/CG
Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Title : SVOA CALIBRATION

72	21.212	3134	3141	3145	rBV2	4150581	7183597	34.57%	5.622%
73	21.265	3147	3150	3157	rVB	4798209	6553985	31.54%	5.129%
74	21.347	3161	3164	3167	rVB2	241079	243611	1.17%	0.191%
75	21.400	3167	3173	3176	rBV2	495447	980723	4.72%	0.768%
76	21.530	3191	3195	3200	rBV2	731816	1113901	5.36%	0.872%
77	21.583	3201	3204	3208	rVV2	397279	594204	2.86%	0.465%
78	21.724	3224	3228	3230	rBV2	316053	482450	2.32%	0.378%
79	21.771	3231	3236	3240	rVV	968447	1617994	7.79%	1.266%
80	21.824	3242	3245	3252	rVB2	880100	1406010	6.77%	1.100%
81	21.894	3254	3257	3264	rVB2	332018	514561	2.48%	0.403%
82	21.965	3265	3269	3272	rBV2	481211	685735	3.30%	0.537%
83	22.065	3283	3286	3295	rVB2	399814	665333	3.20%	0.521%
84	22.236	3311	3315	3320	rBV	395561	592512	2.85%	0.464%
85	22.518	3359	3363	3369	rBV2	598200	1151737	5.54%	0.901%
86	22.653	3380	3386	3392	rVB	802033	1541529	7.42%	1.206%
87	22.800	3402	3411	3415	rBV2	9102711	20781991	100.00%	16.265%
88	22.900	3425	3428	3432	rVB	370968	501136	2.41%	0.392%
89	22.953	3432	3437	3445	rVB	975041	1521877	7.32%	1.191%
90	23.083	3454	3459	3469	rVB	565655	1373626	6.61%	1.075%
91	23.259	3483	3489	3495	rVB	3756295	6559415	31.56%	5.134%
92	23.353	3499	3505	3511	rVB	3396932	5995829	28.85%	4.693%
93	23.441	3515	3520	3524	rVV2	695027	1254081	6.03%	0.982%
94	23.488	3524	3528	3537	rVB3	711770	1711793	8.24%	1.340%
95	24.083	3625	3629	3637	rVB5	246506	515726	2.48%	0.404%
96	24.982	3777	3782	3788	rBV2	302158	602666	2.90%	0.472%
97	25.130	3799	3807	3815	rVB4	672589	1826123	8.79%	1.429%
98	25.424	3852	3857	3865	rVB2	694581	1576229	7.58%	1.234%
99	25.671	3889	3899	3907	rVB	2564312	7126988	34.29%	5.578%
100	26.329	4003	4011	4025	rVB2	596591	1821333	8.76%	1.425%

Sum of corrected areas: 127771577

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
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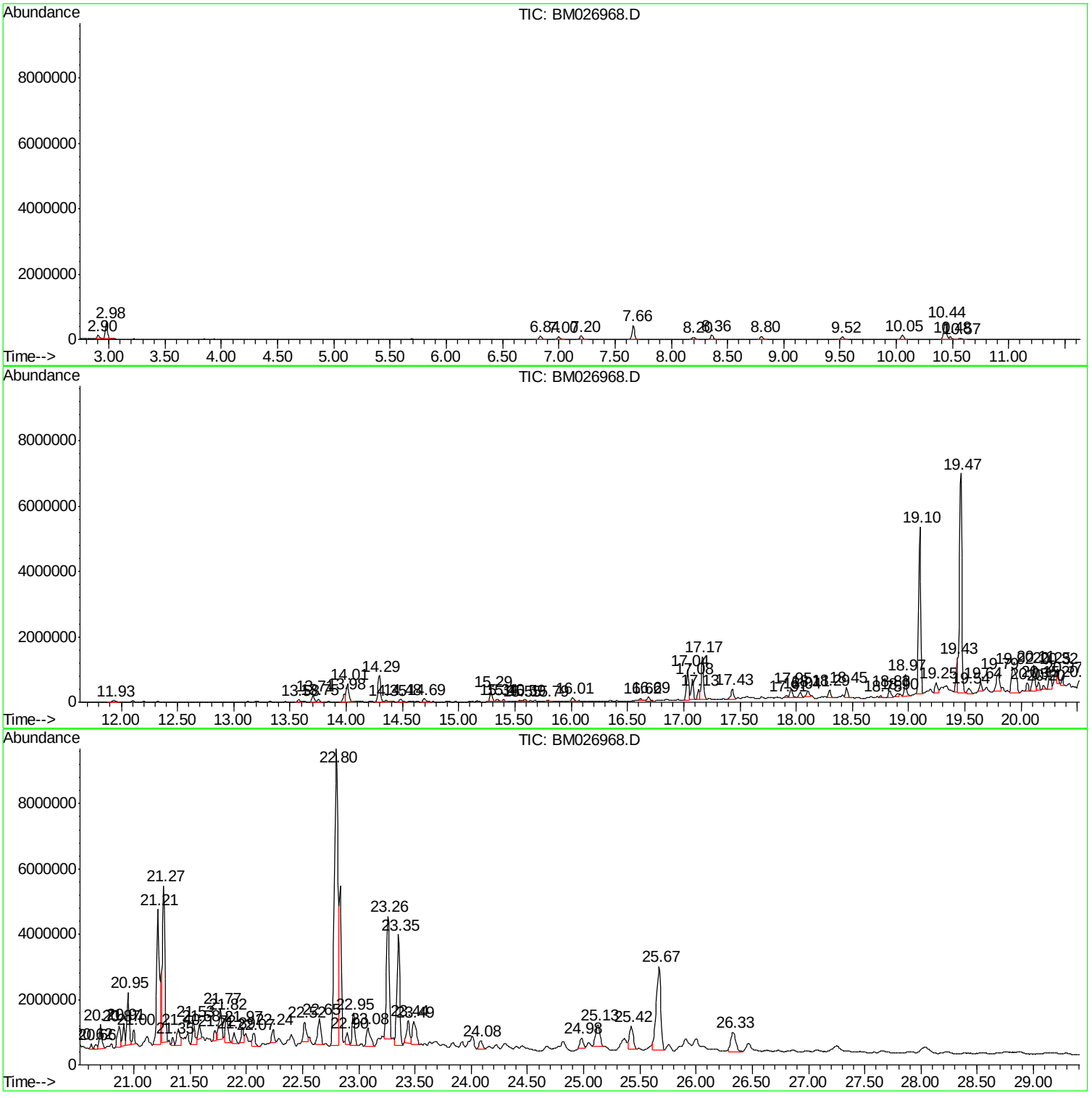
Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
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Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

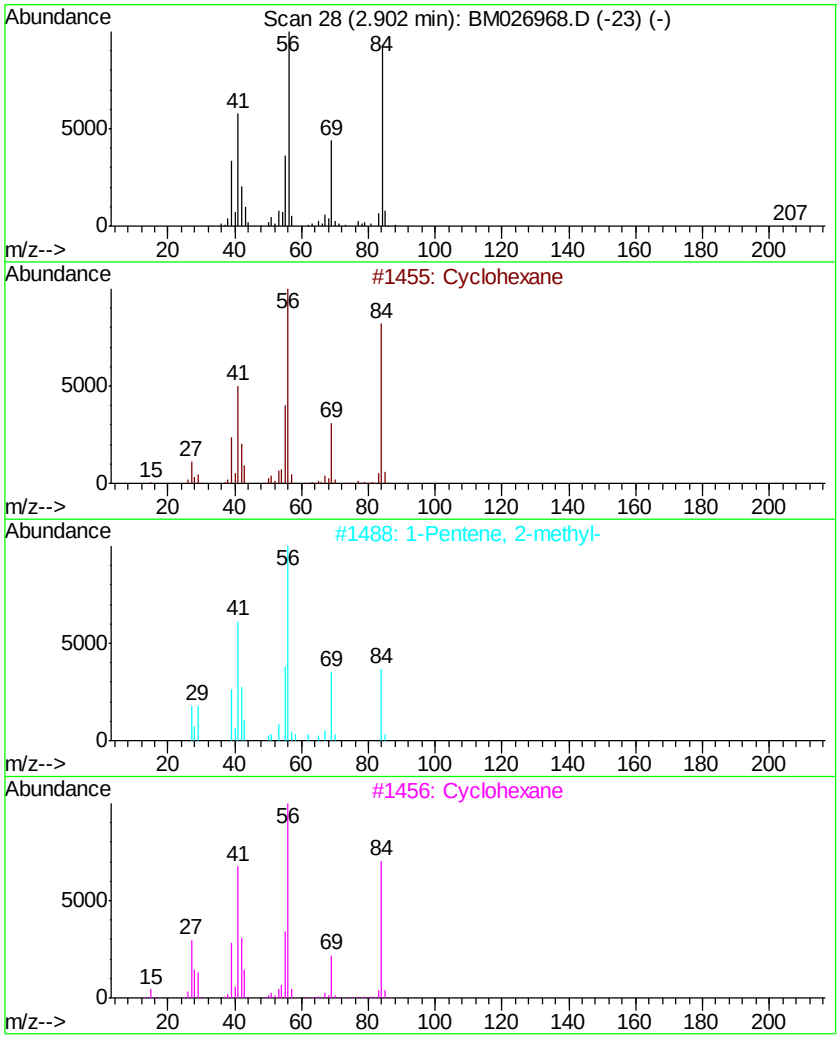
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

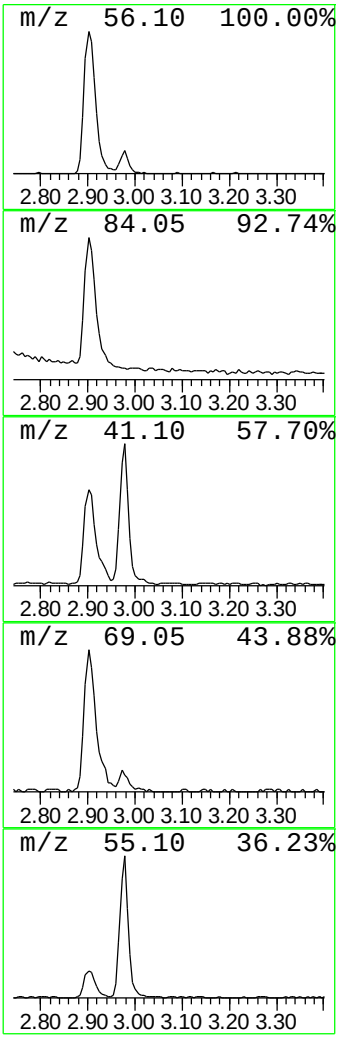
****

Peak Number 1 (DEL) Alkane: Cyclic2.90 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	5.83 ng/ul	194918	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
3	Cyclohexane	84	C6H12	000110-82-7	91
4	Cyclohexane	84	C6H12	000110-82-7	90
5	Cyclohexane	84	C6H12	000110-82-7	87





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

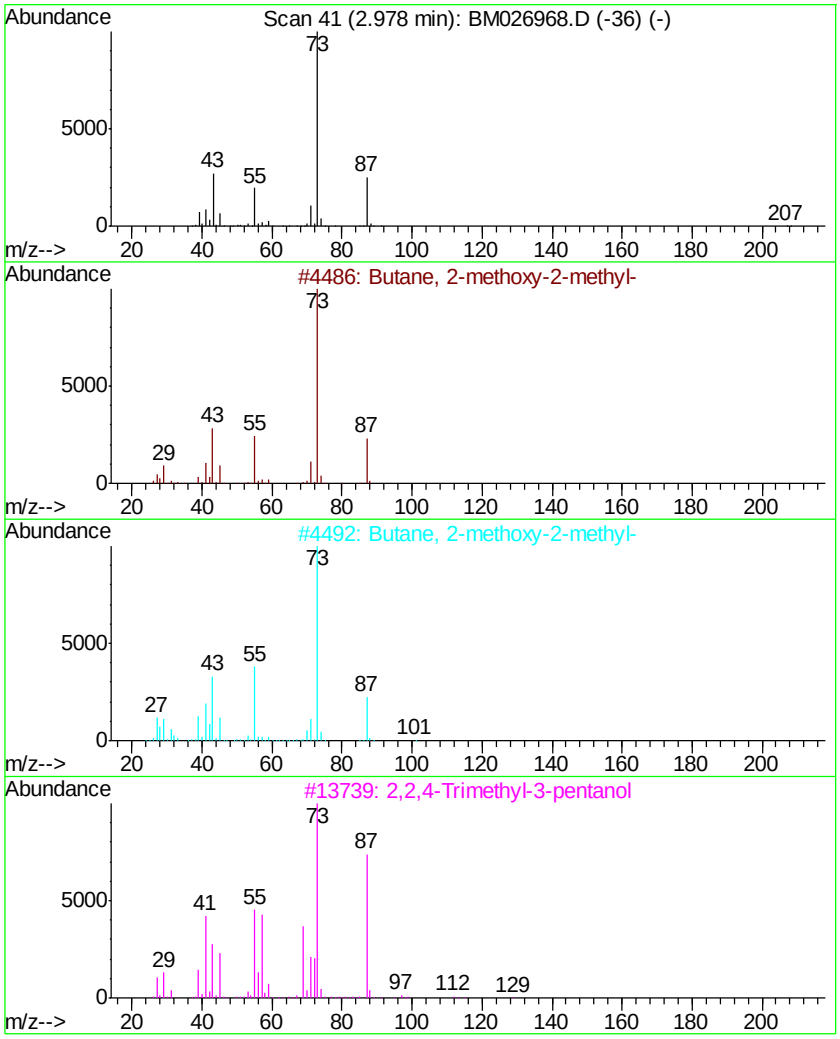
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

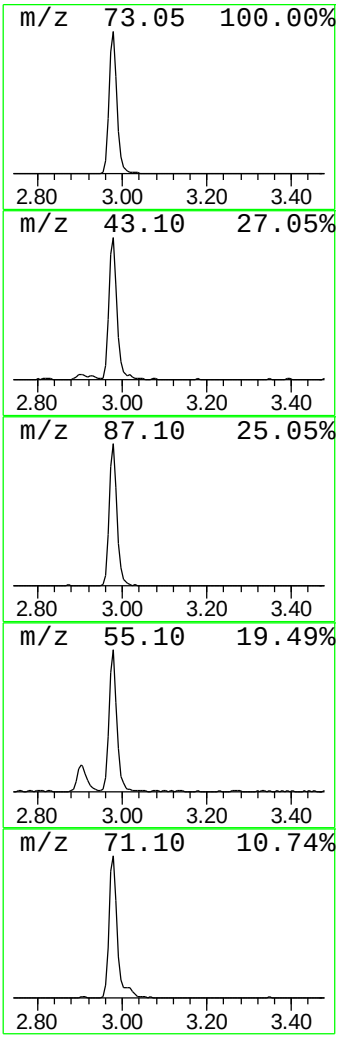
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	19.91 ng/ul	665312	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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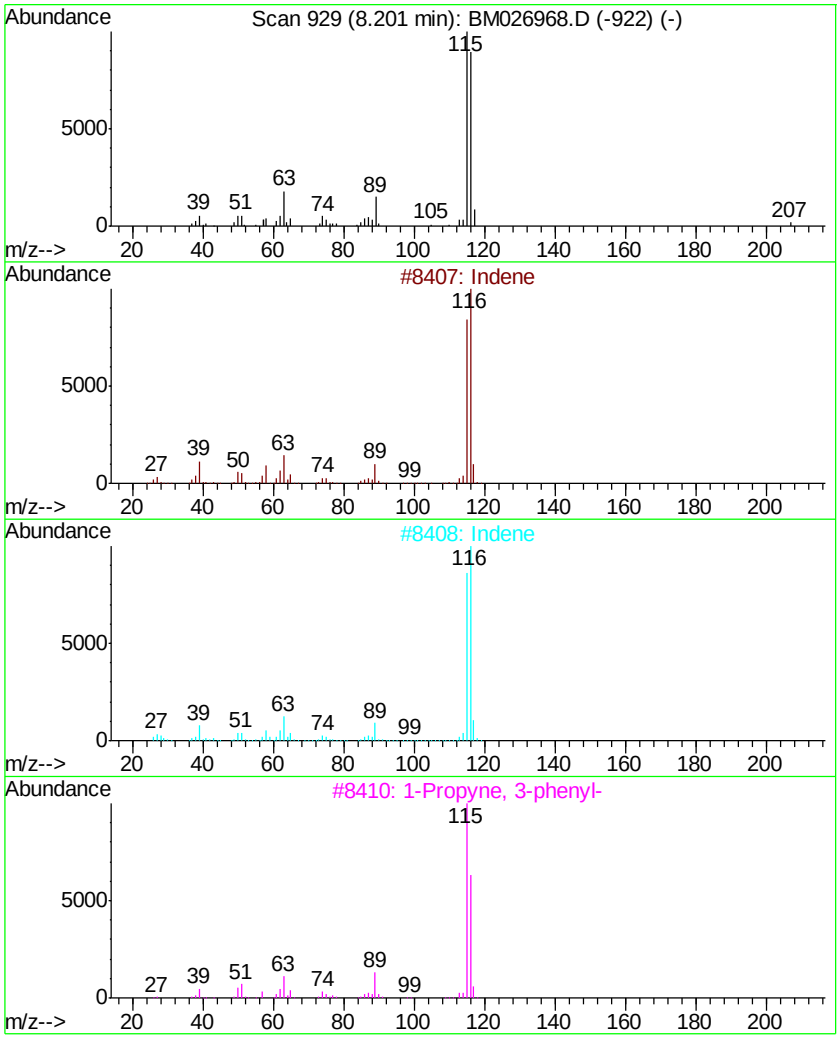
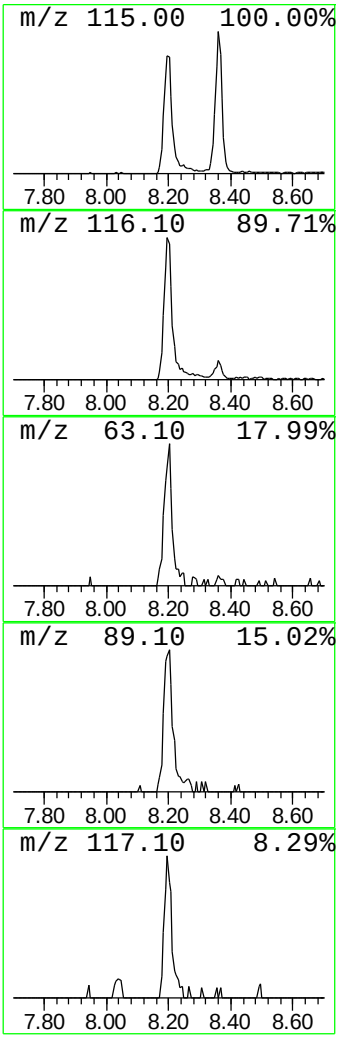
Peak Number 3 Indene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.79 ng/ul	126742	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	94
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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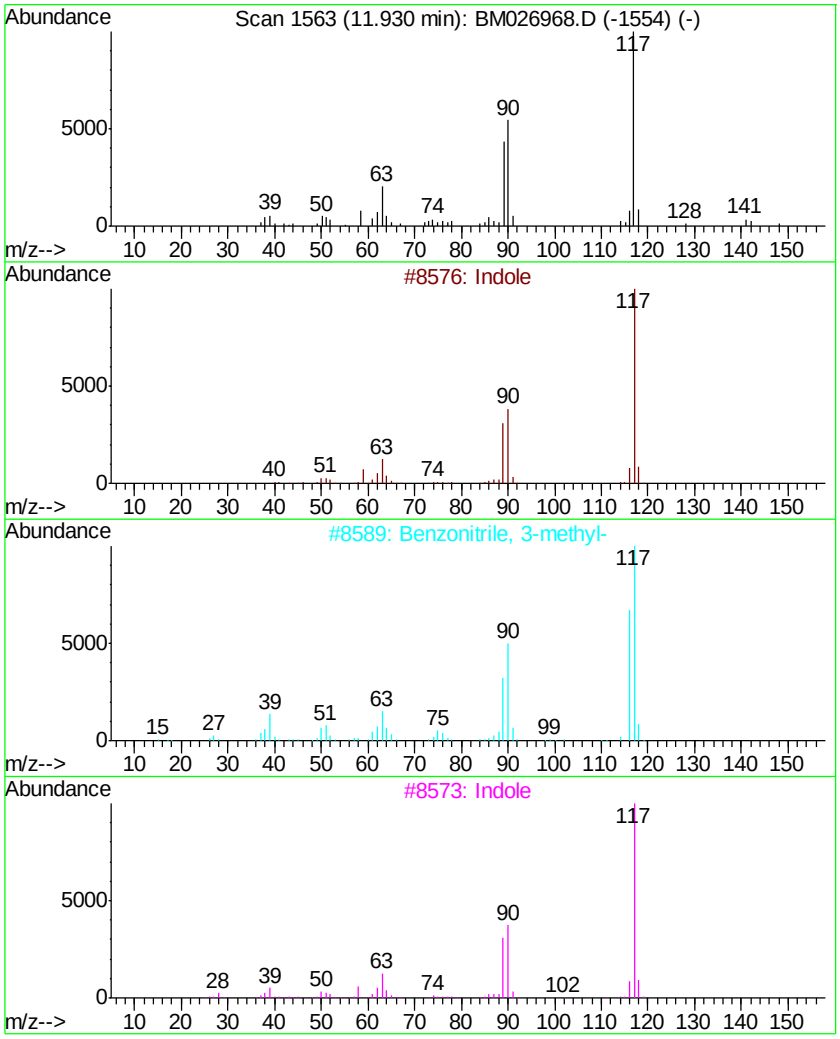
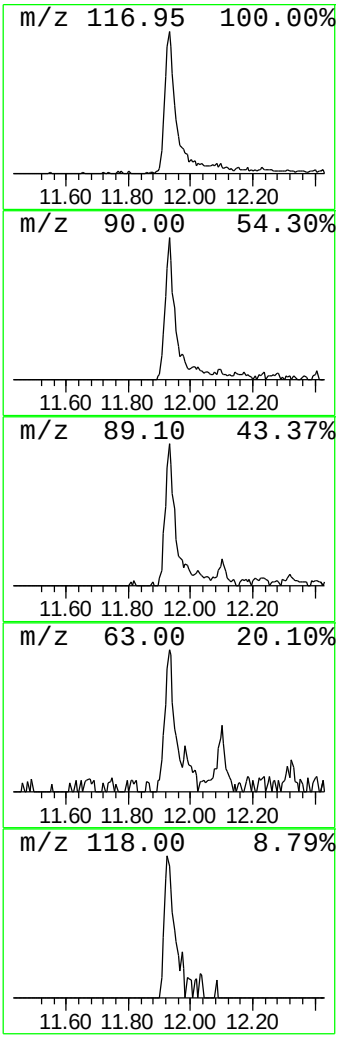
Peak Number 4 Indole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.39 ng/ul	111530	Naphthalene-d8	10.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	91
2	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	90
3	Indole	117	C8H7N	000120-72-9	90
4	Benzyl nitrile	117	C8H7N	000140-29-4	90
5	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	90





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Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
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Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

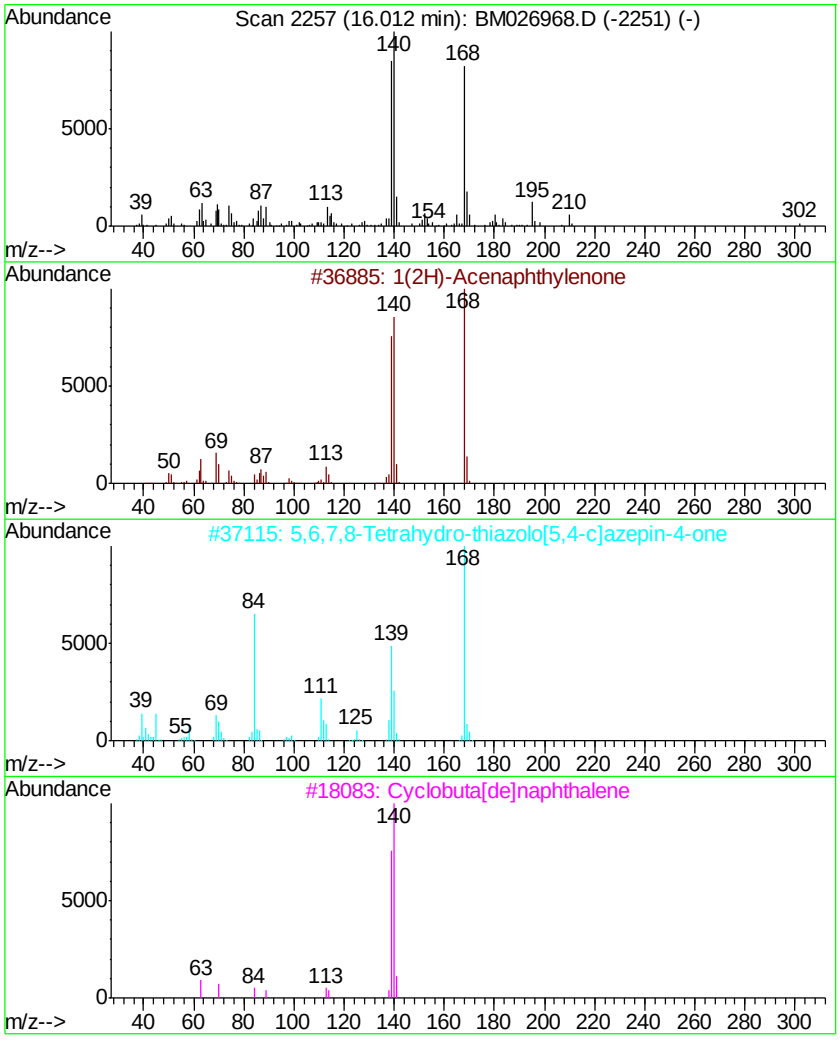
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

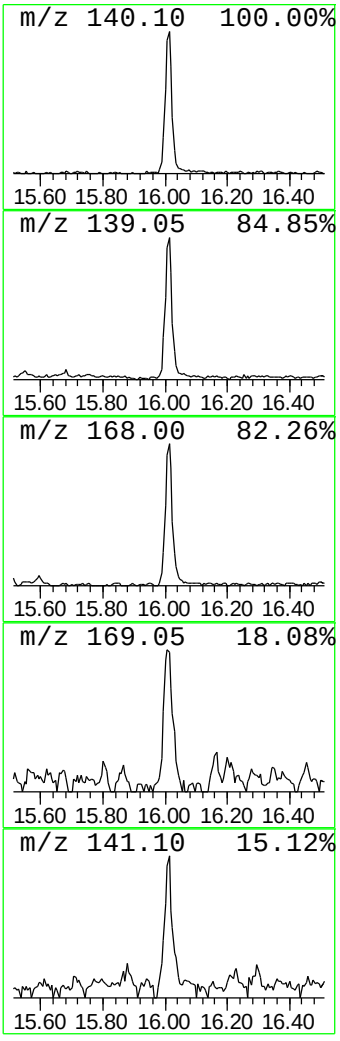
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	3.15 ng/ul	212498	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	5,6,7,8-Tetrahydro-thiazolo[5,4-...	168	C7H8N2OS	1000317-75-4	50
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49
4	Alanylalanylalanine, N,N',N''-tr...	439	C22H37N3O6	1000329-34-6	47
5	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	43





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Operator : JU/CG
Sample : L3424-06 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S81

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Quant Title : SVOA CALIBRATION

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

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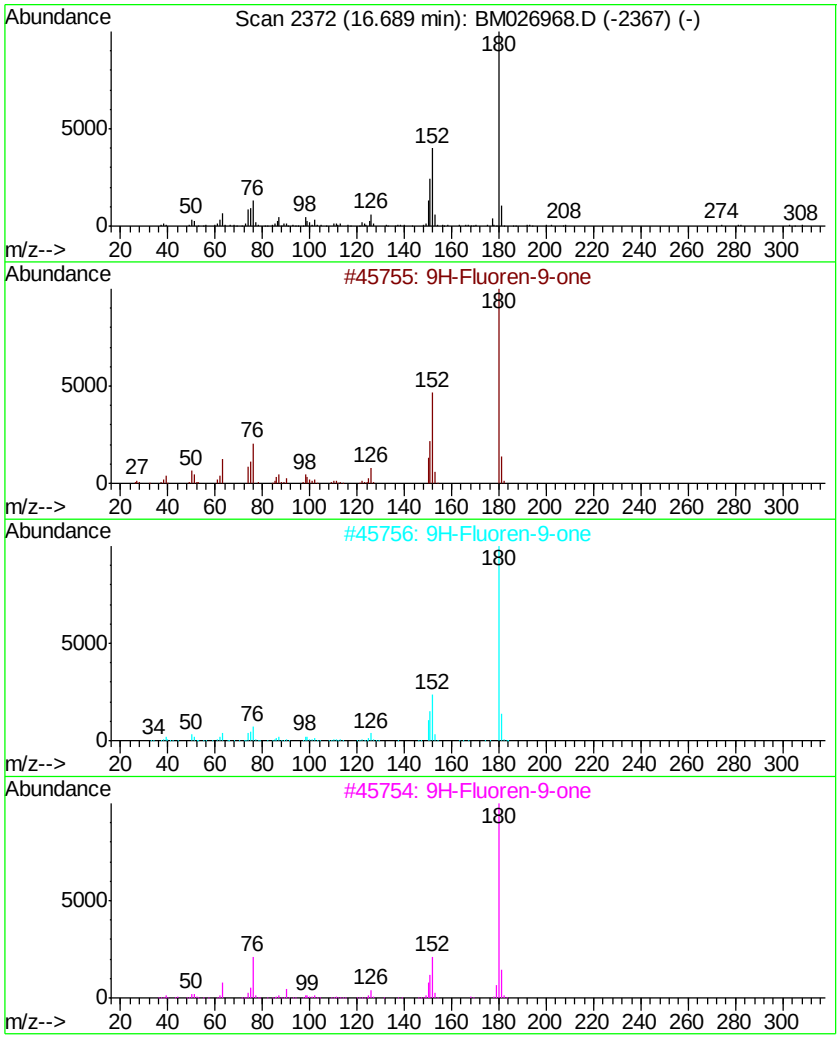
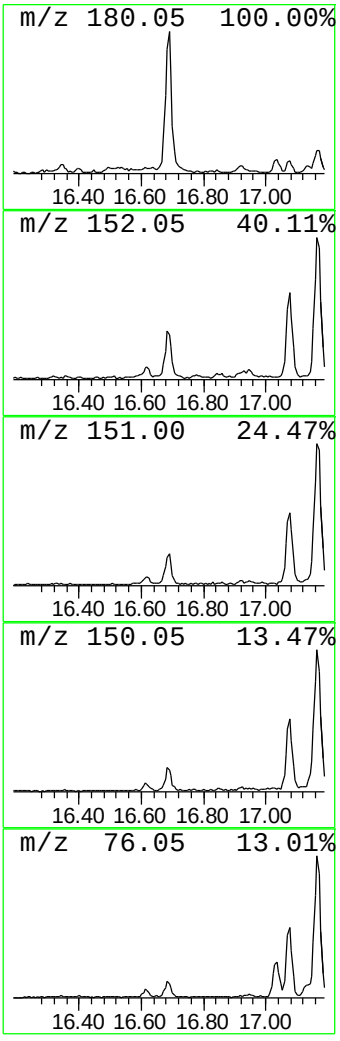
Peak Number 6 9H-Fluoren-9-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.91 ng/ul	196047	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78





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Quant Title : SVOA CALIBRATION

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

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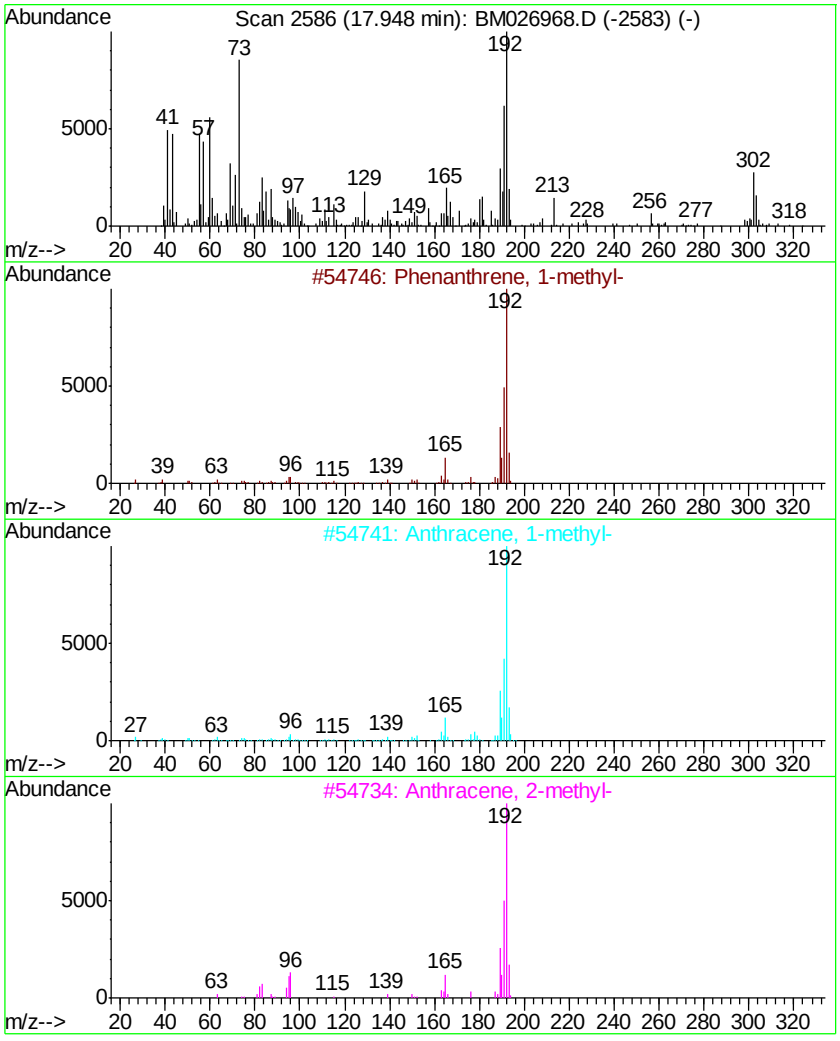
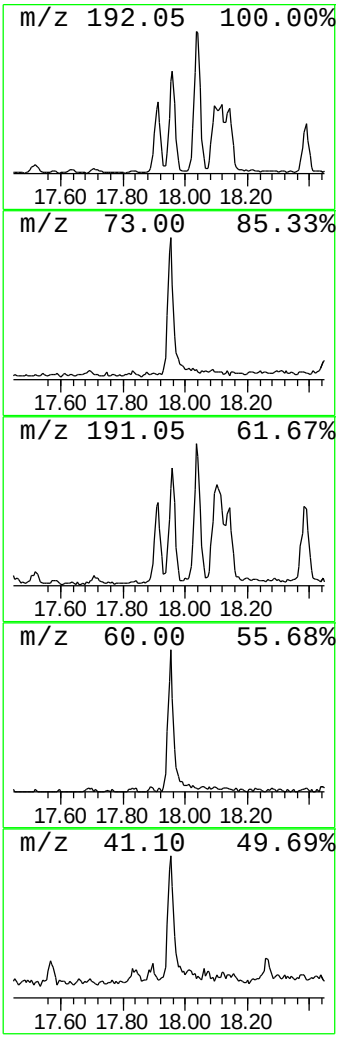
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	6.13 ng/ul	413831	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	78





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Quant Title : SVOA CALIBRATION

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

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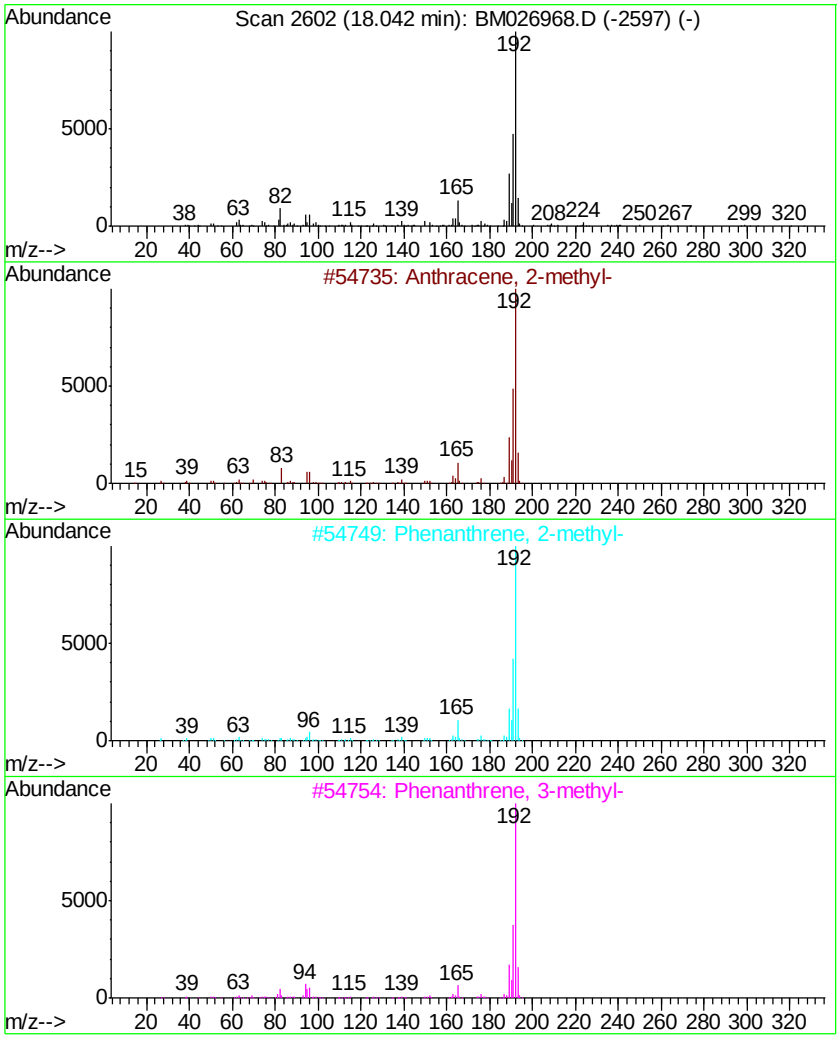
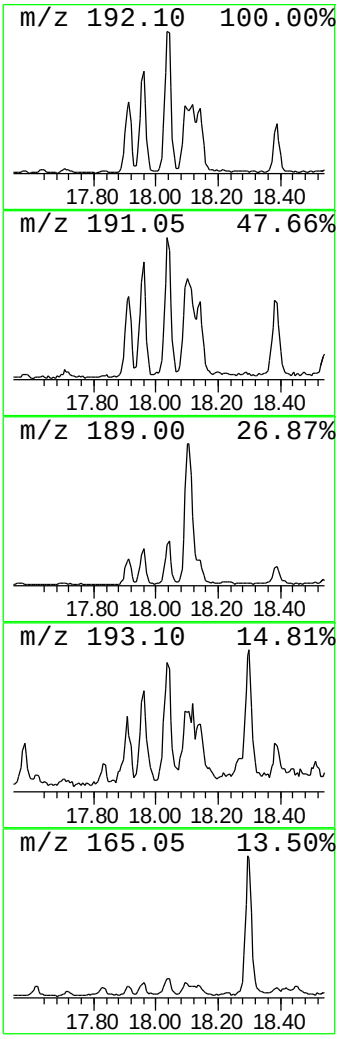
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.00 ng/ul	202136	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Quant Title : SVOA CALIBRATION

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

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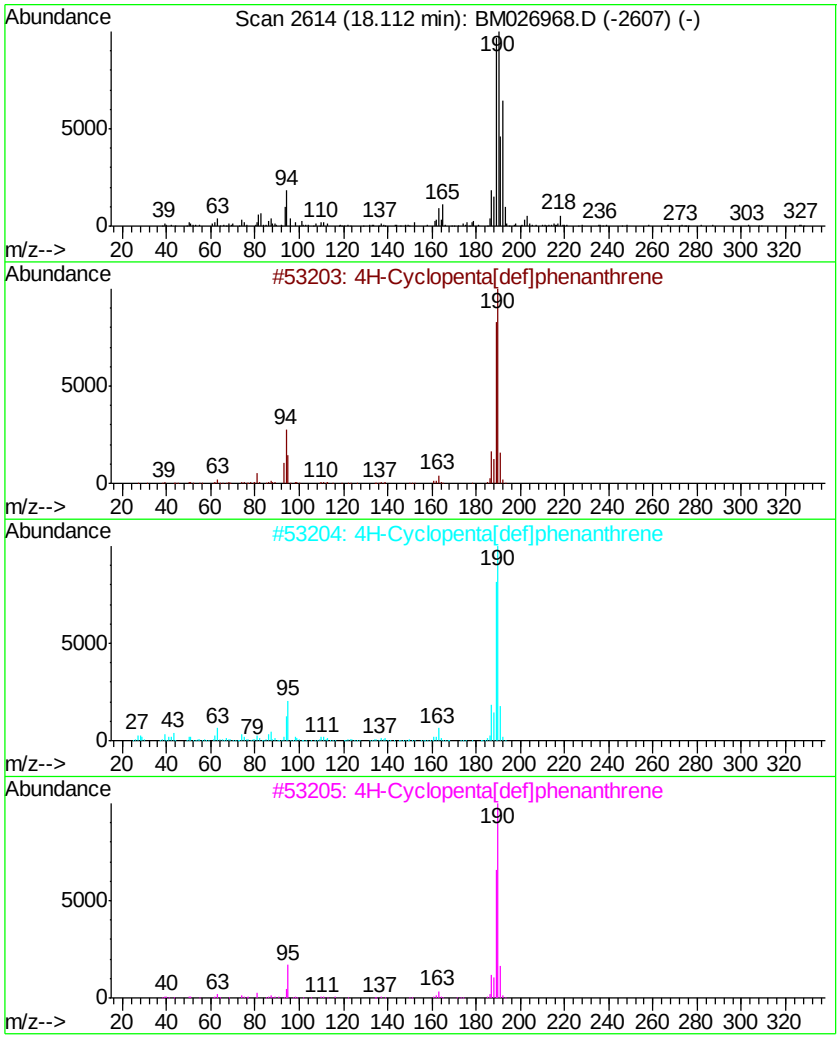
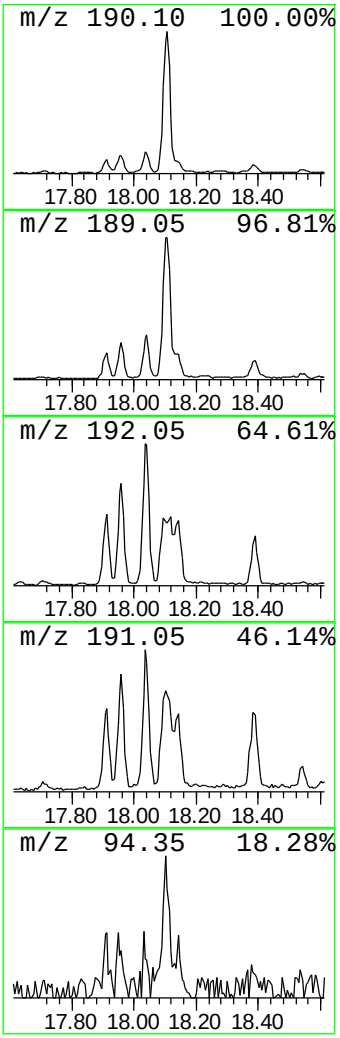
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	5.16 ng/ul	348186	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47





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Quant Title : SVOA CALIBRATION

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

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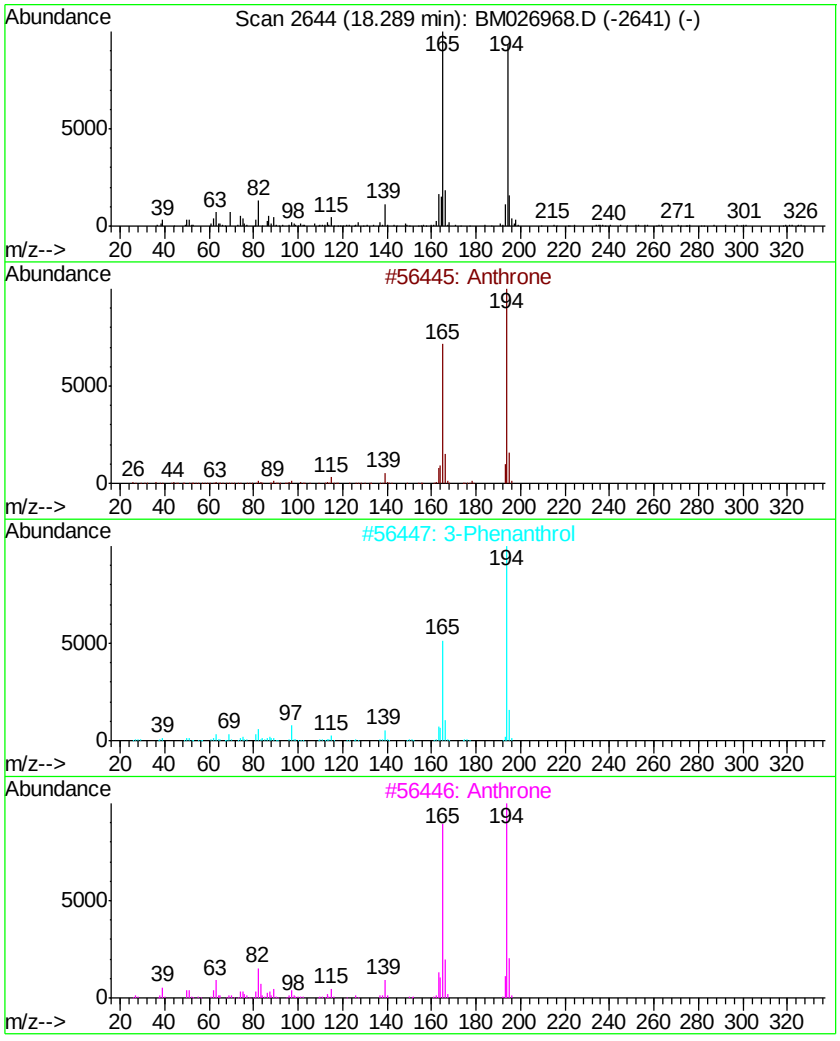
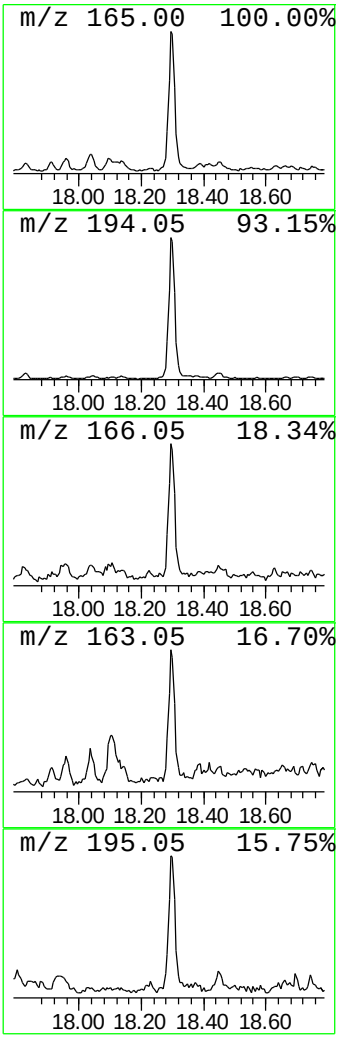
Peak Number 10 Anthrone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	5.05 ng/ul	340452	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	94
2	3-Phenanthrol	194	C14H10O	000605-87-8	94
3	Anthrone	194	C14H10O	000090-44-8	93
4	Anthrone	194	C14H10O	000090-44-8	91
5	2-Phenanthrenol	194	C14H10O	000605-55-0	91





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Quant Title : SVOA CALIBRATION

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

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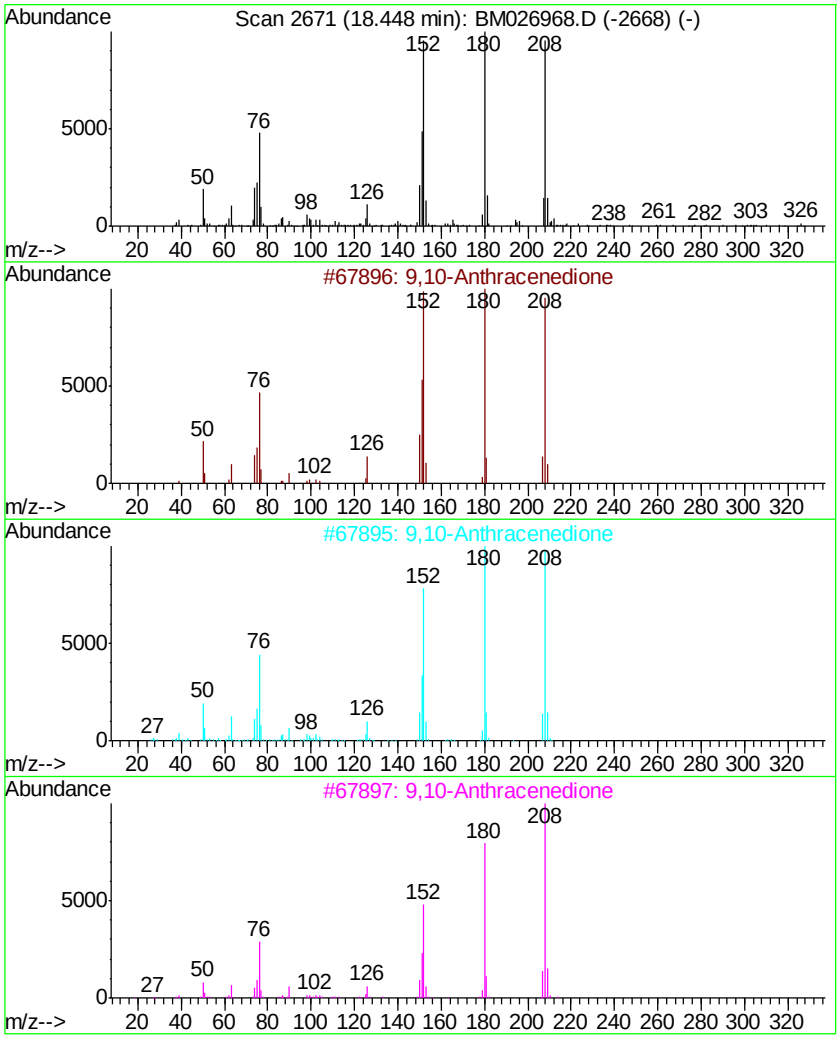
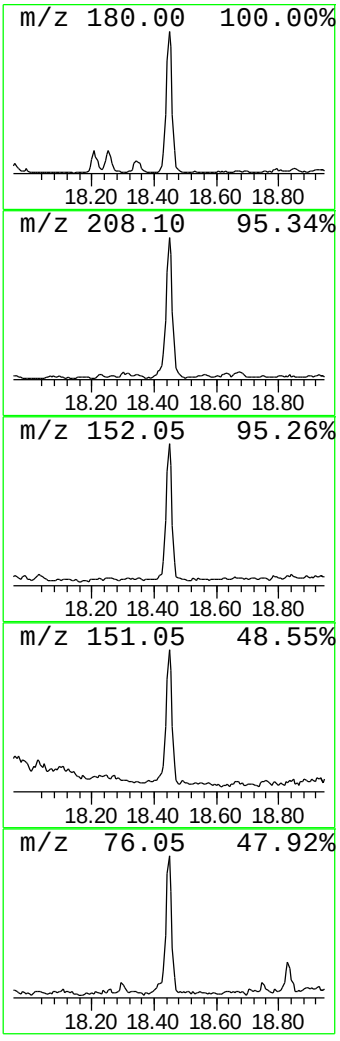
Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	6.44 ng/ul	434822	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Quant Title : SVOA CALIBRATION

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

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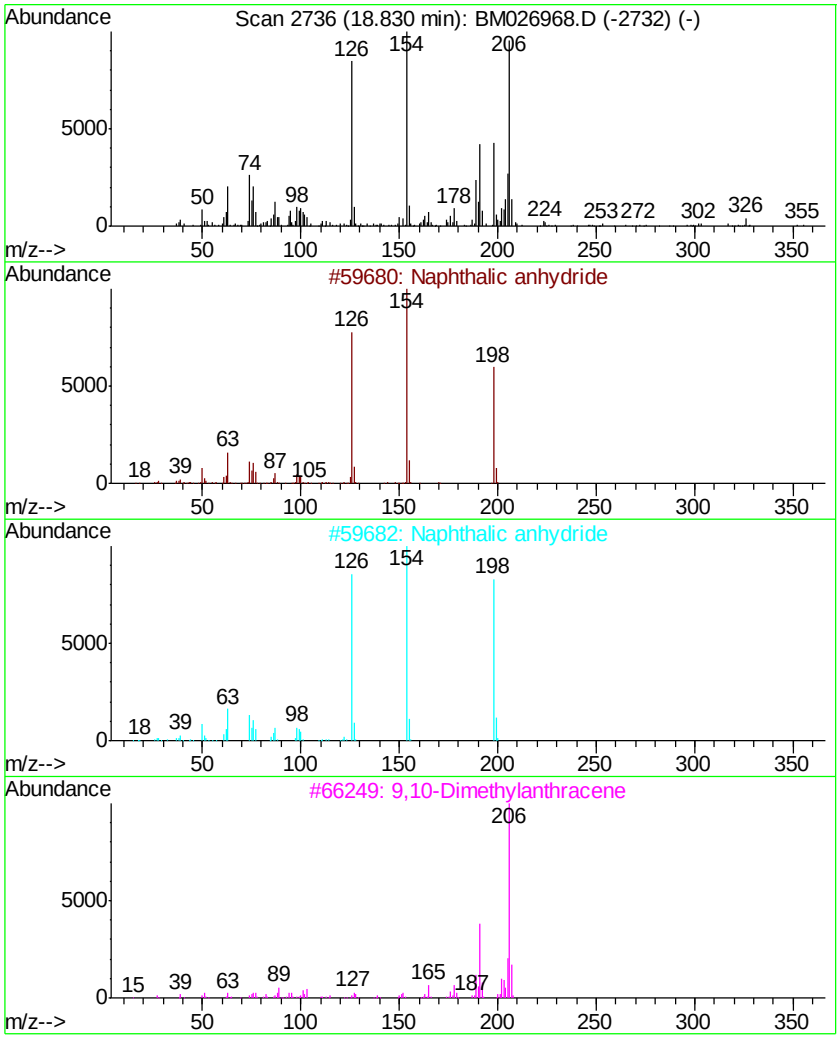
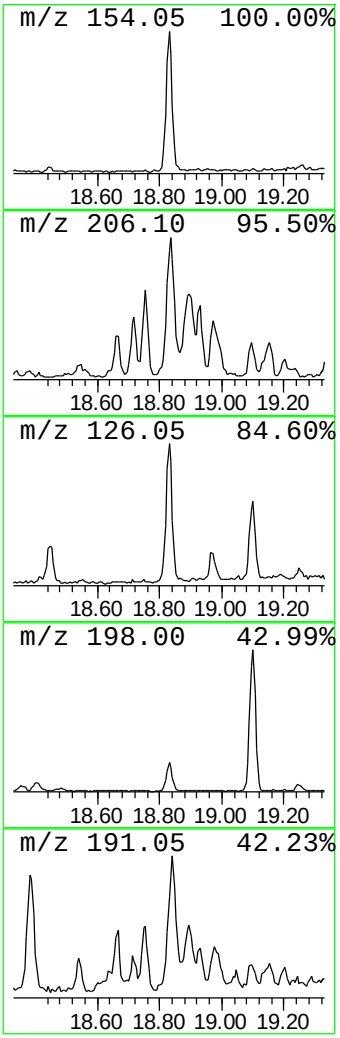
Peak Number 12 Naphthalic anhydride Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	4.91 ng/ul	331492	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	60
5	1,4-Diethynylbenzene	126	C10H6	000935-14-8	58





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Quant Title : SVOA CALIBRATION

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

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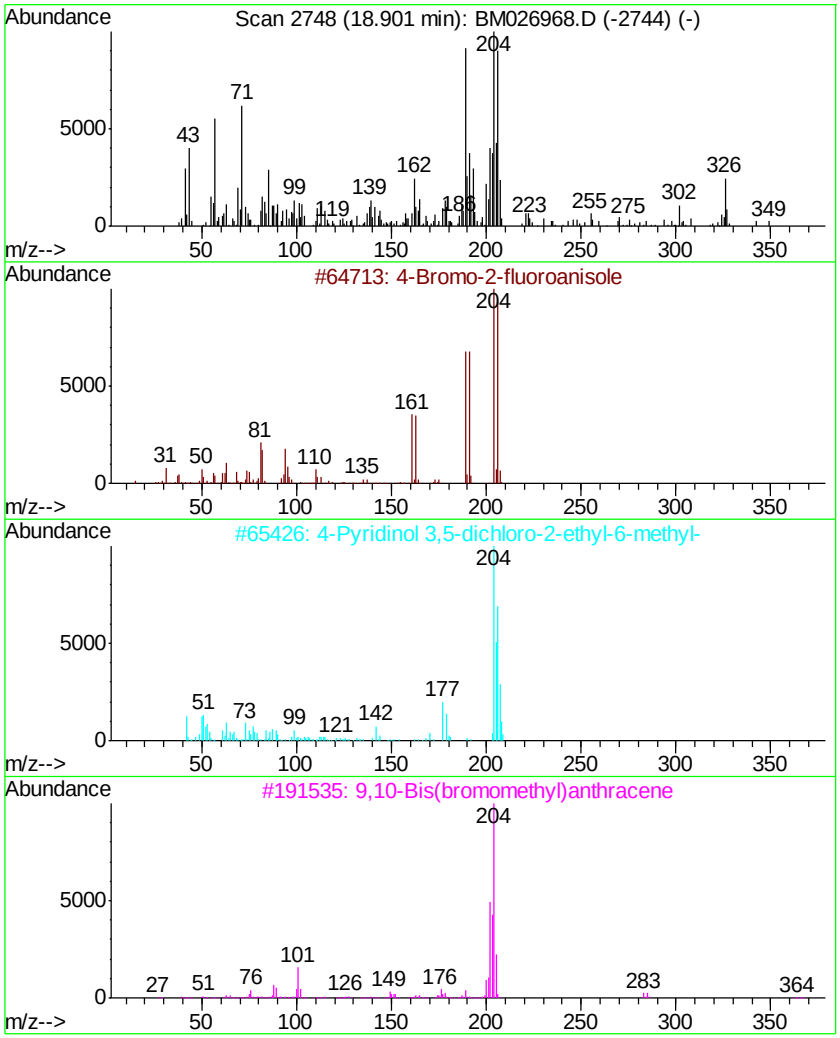
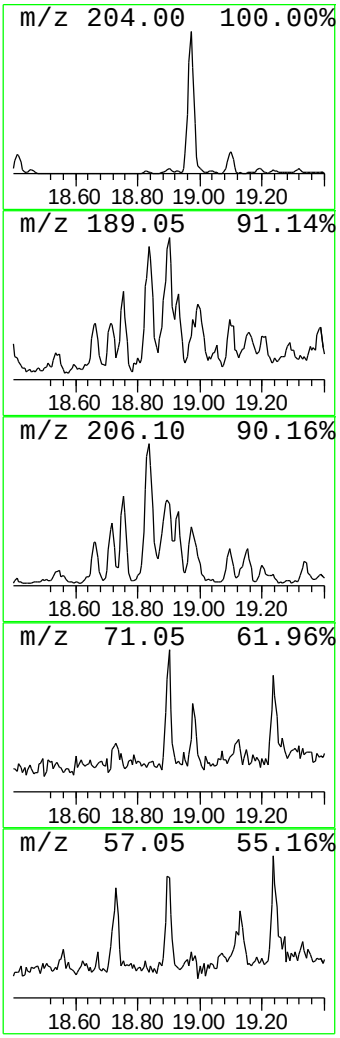
Peak Number 13 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.56 ng/ul	172837	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	43
2	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30





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Quant Title : SVOA CALIBRATION

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

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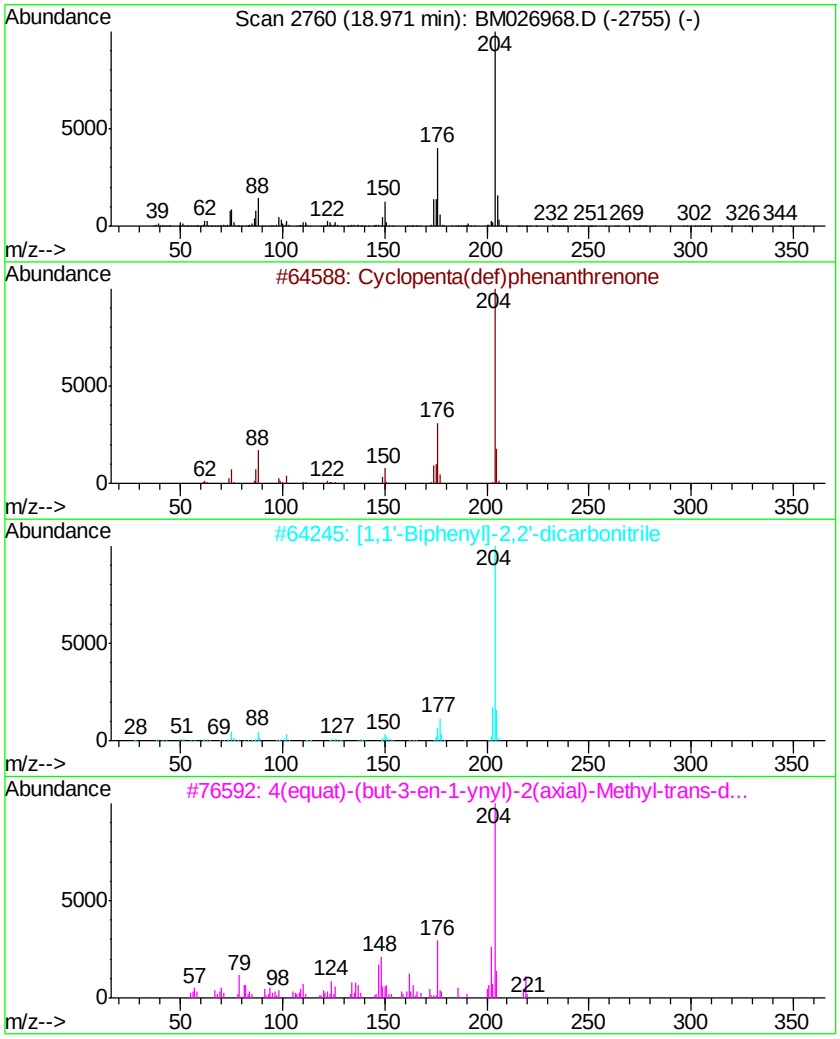
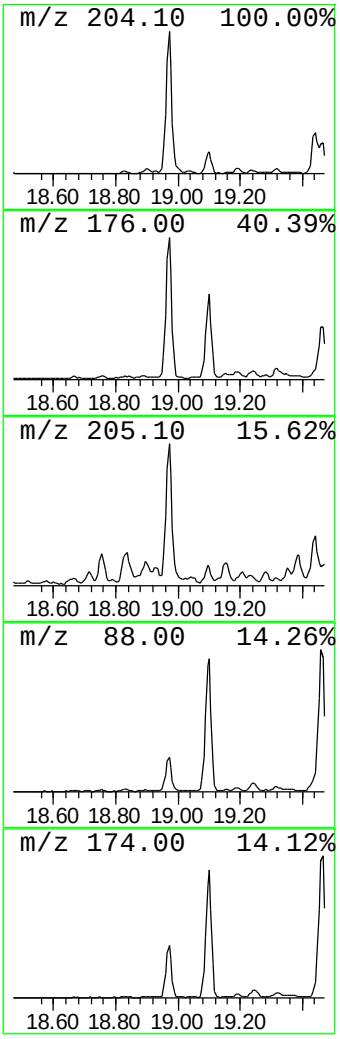
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	13.38 ng/ul	902923	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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Quant Title : SVOA CALIBRATION

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

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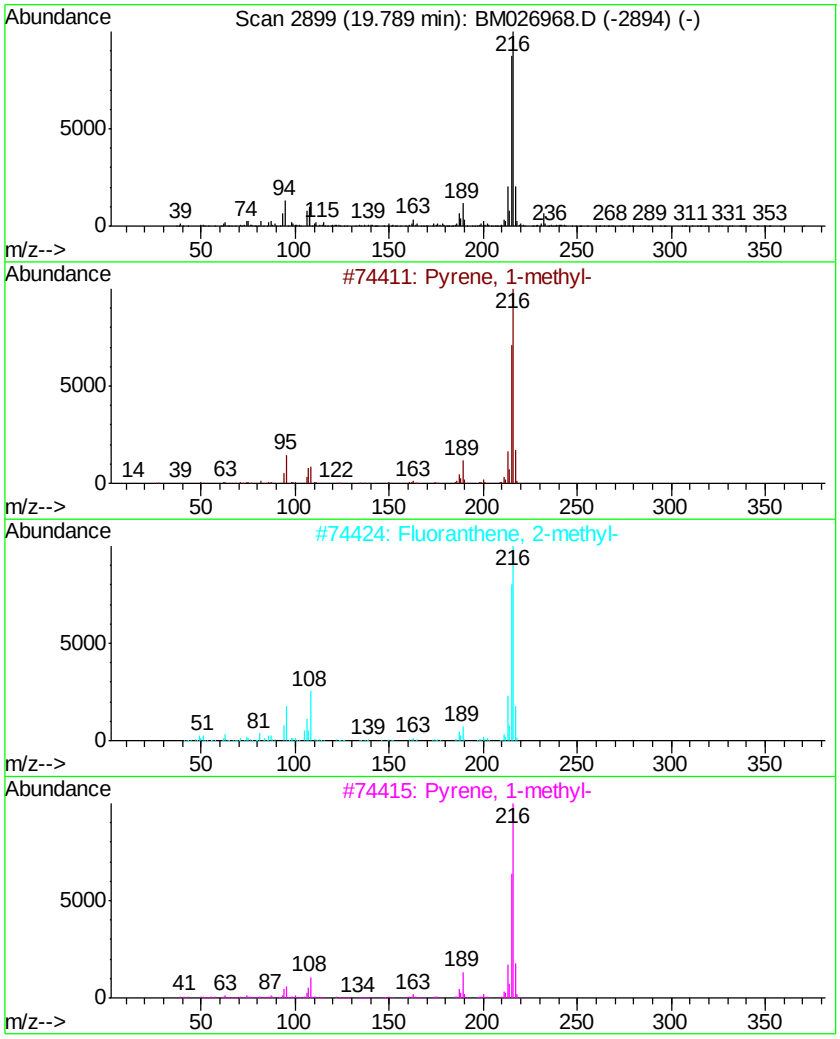
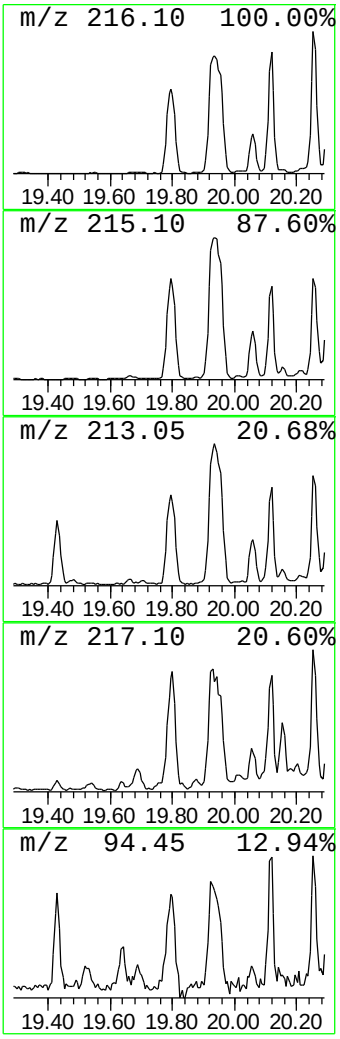
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	3.04 ng/ul	1092520	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : SVOA CALIBRATION

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

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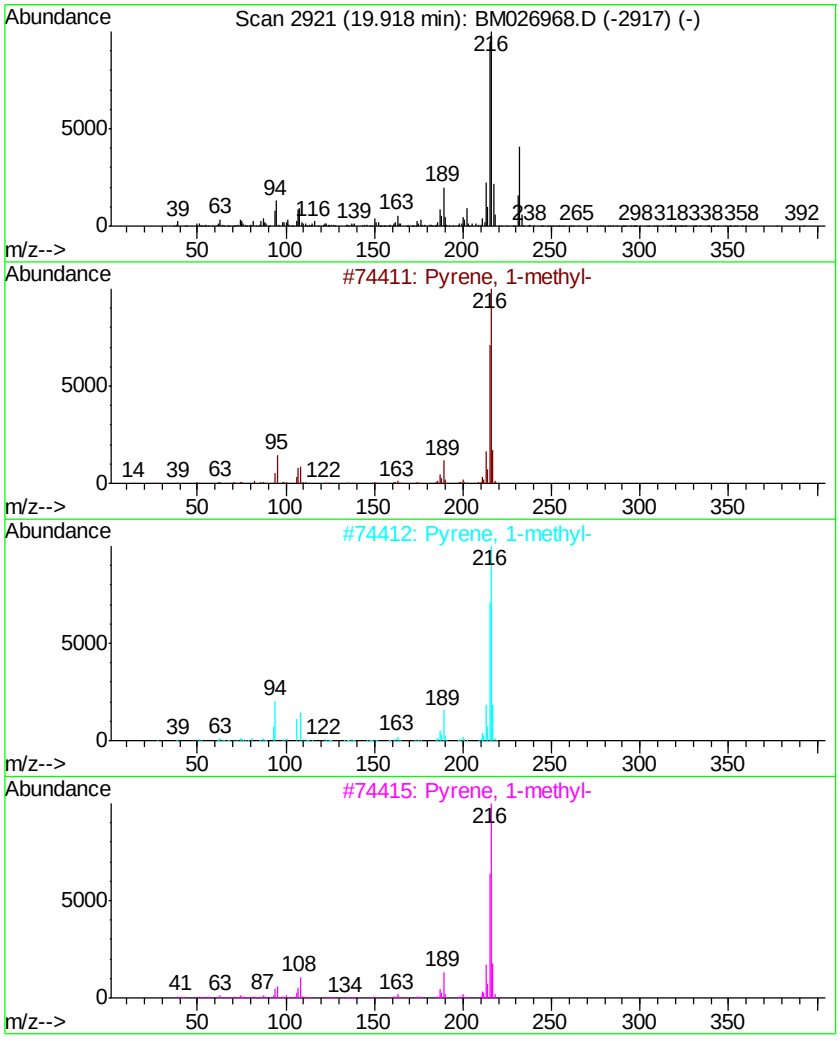
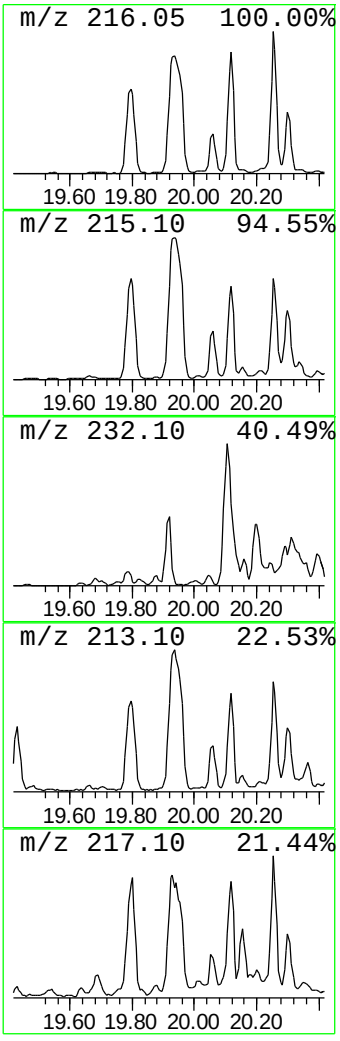
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	6.01 ng/ul	2157350	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Quant Title : SVOA CALIBRATION

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

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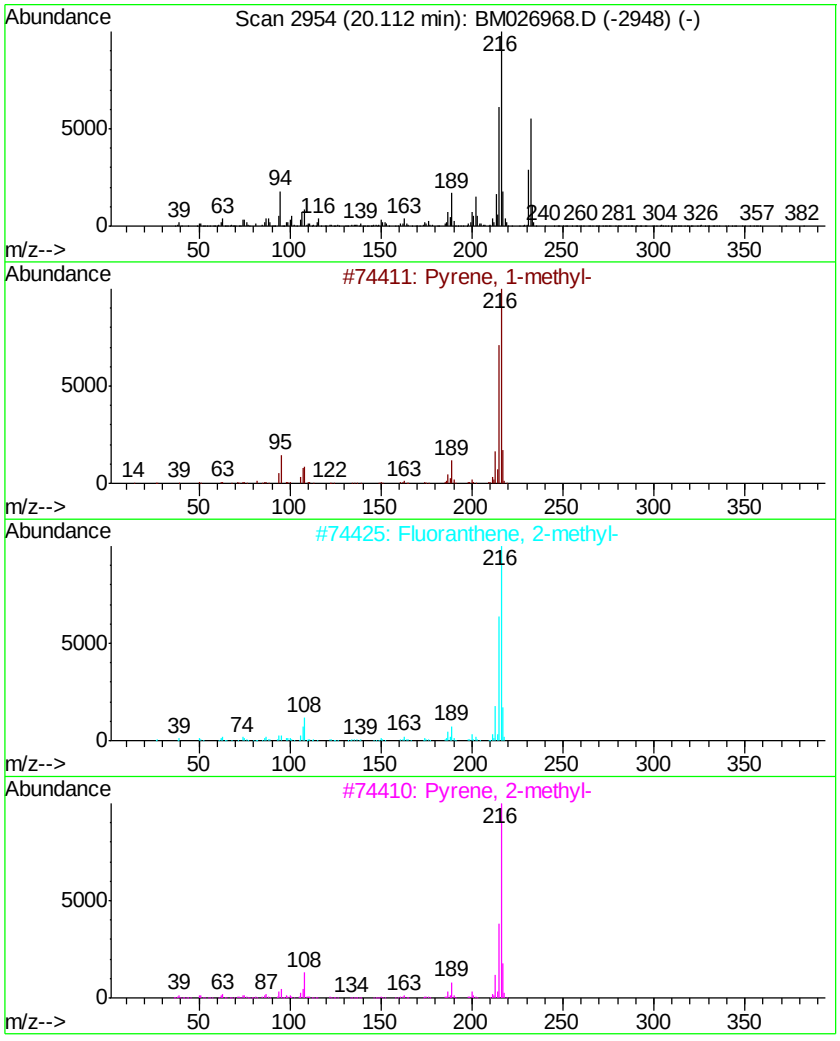
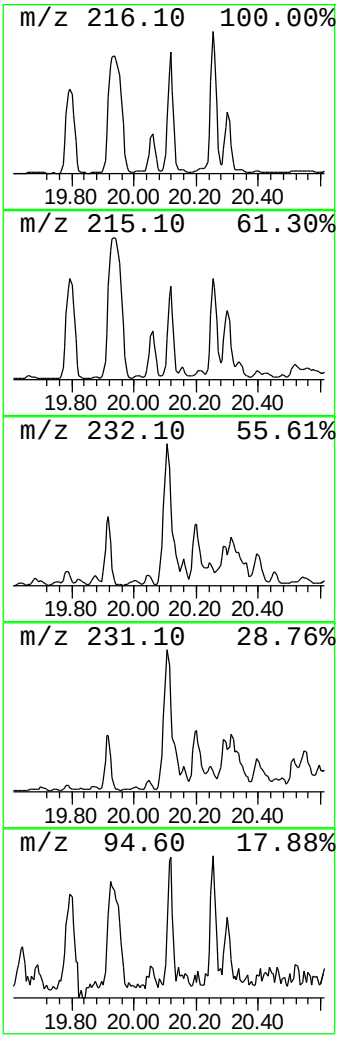
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.59 ng/ul	1290160	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





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Operator : JU/CG
Sample : L3424-06 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S81

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Quant Title : SVOA CALIBRATION

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

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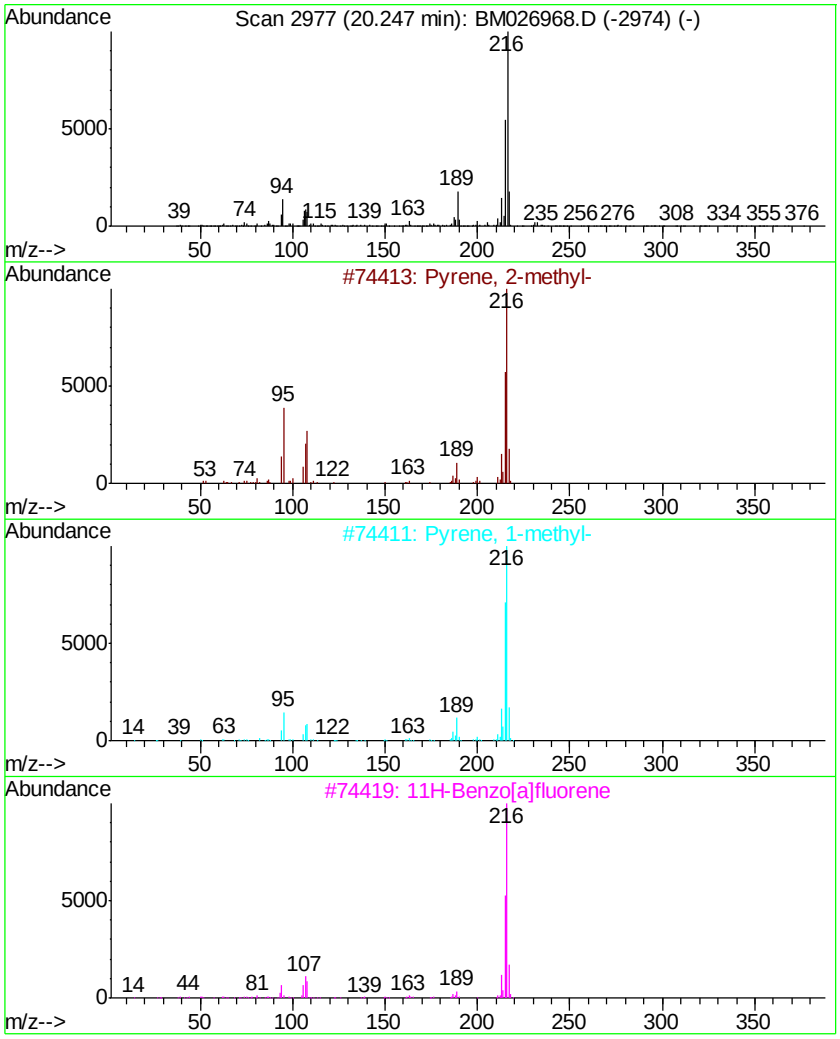
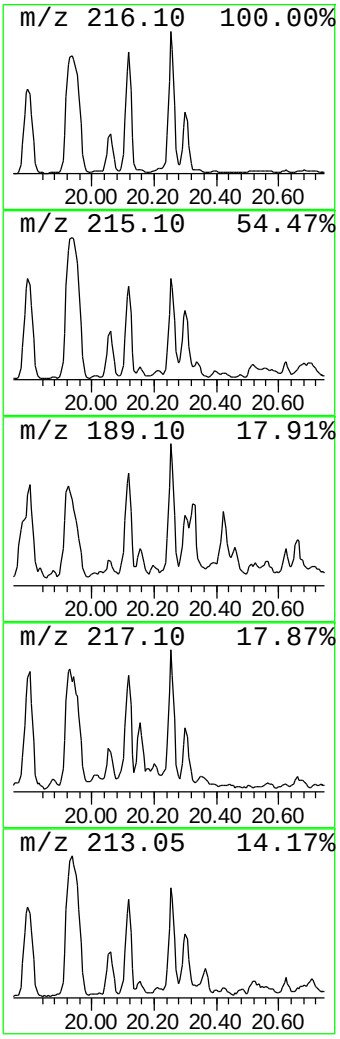
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.40 ng/ul	861872	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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ClientSampleId : C0S81

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Quant Title : SVOA CALIBRATION

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

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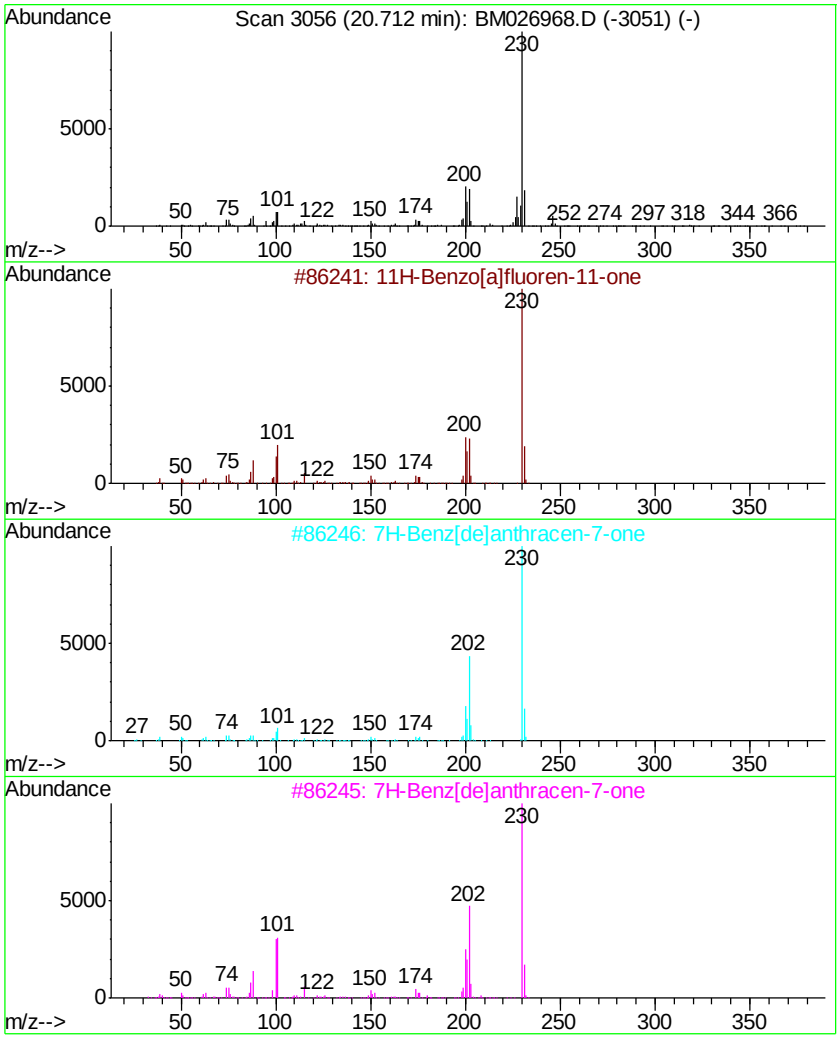
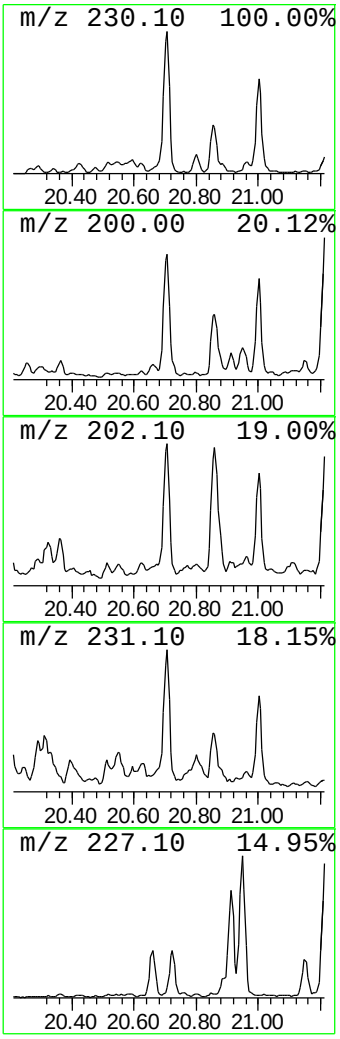
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	3.10 ng/ul	1114640	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
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	83
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	80
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76





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Quant Title : SVOA CALIBRATION

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

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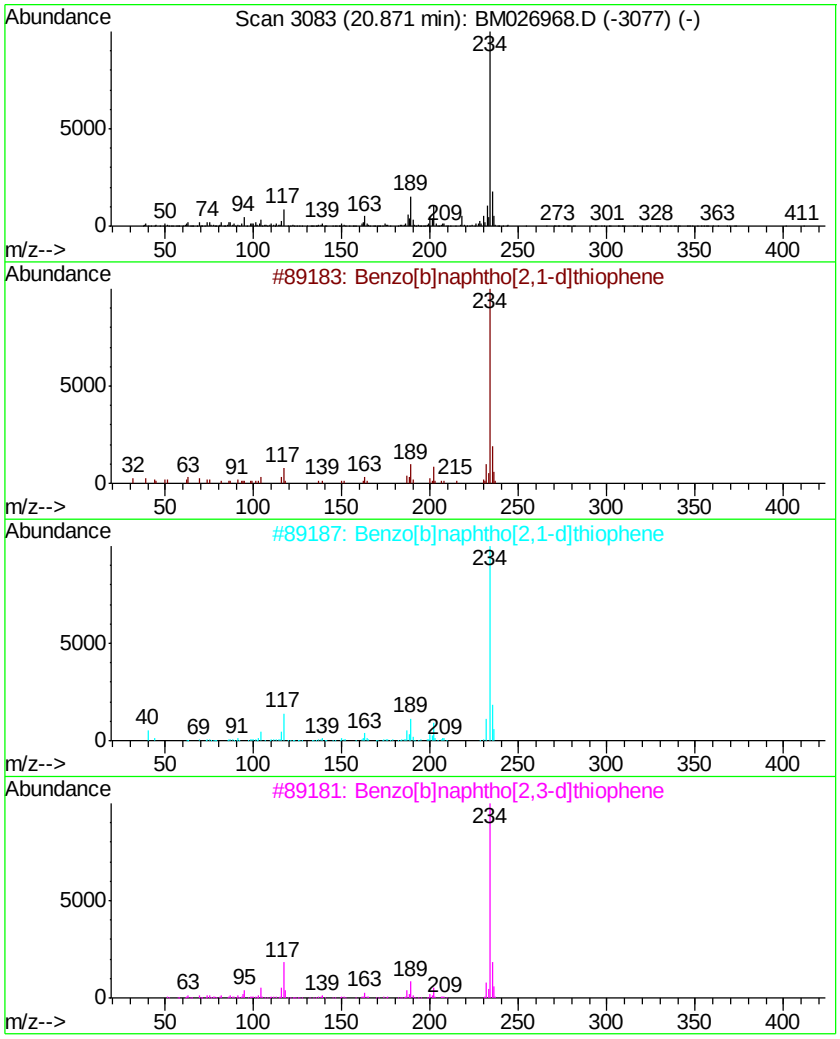
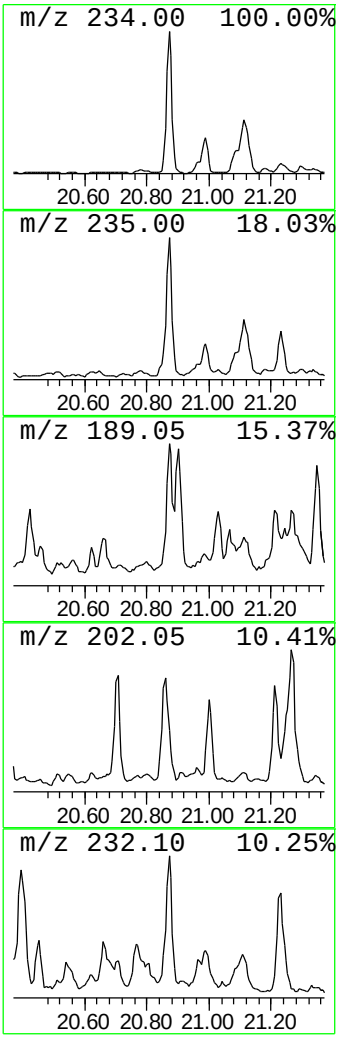
Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.46 ng/ul	1243860	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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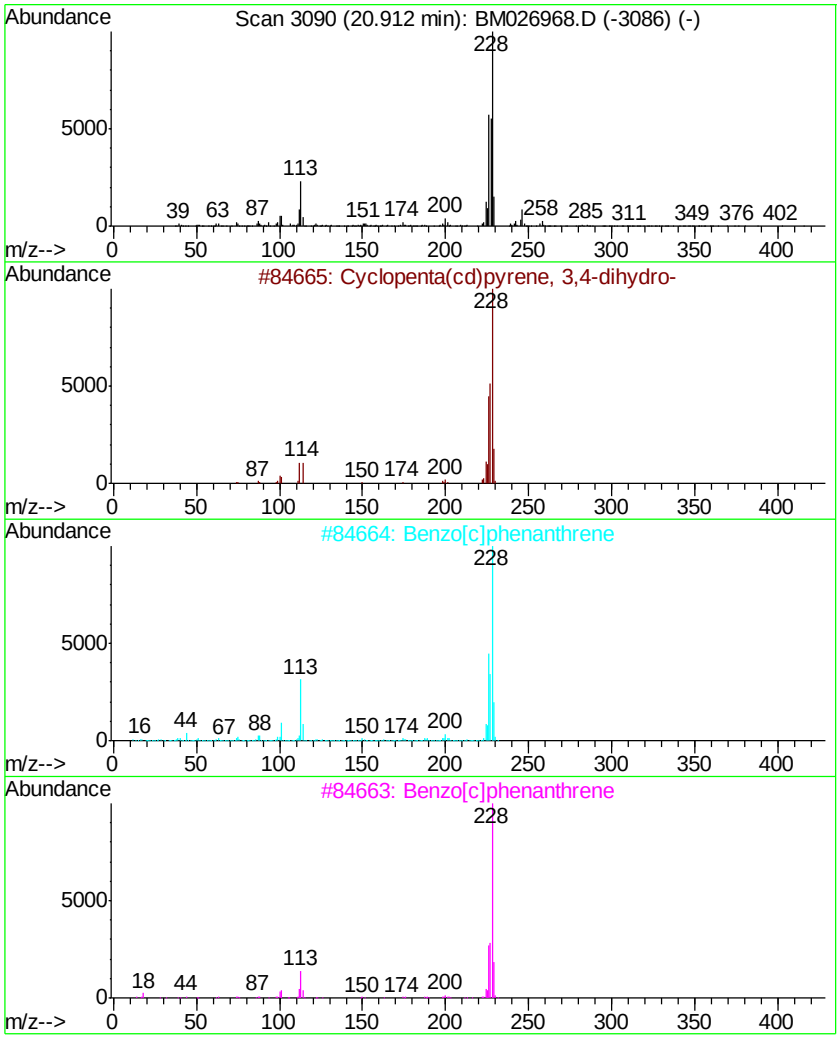
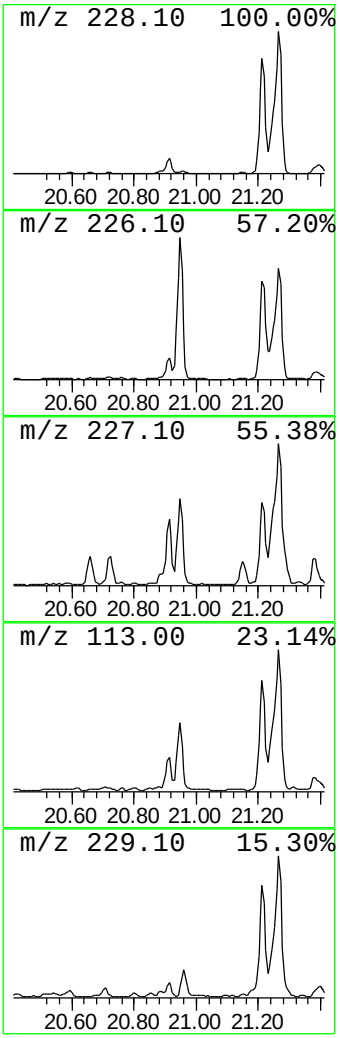
Peak Number 21 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.56 ng/ul	920229	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5	Triphenylene	228	C18H12	000217-59-4	45





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Quant Title : SVOA CALIBRATION

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

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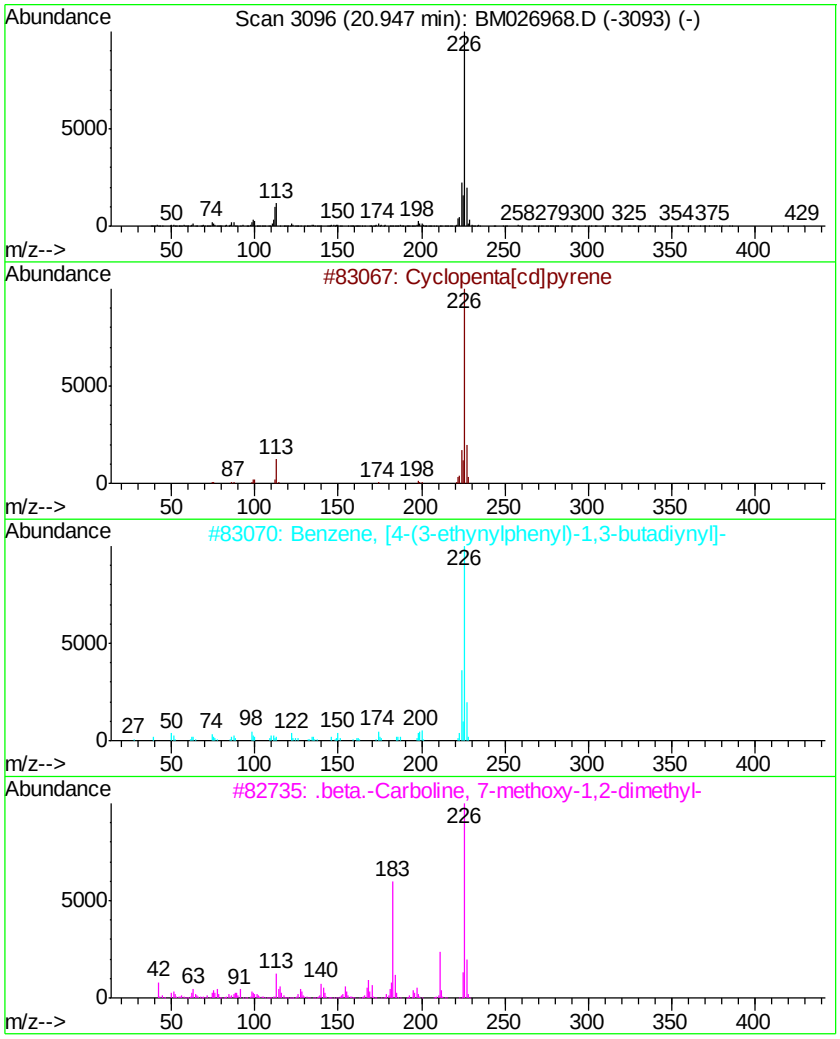
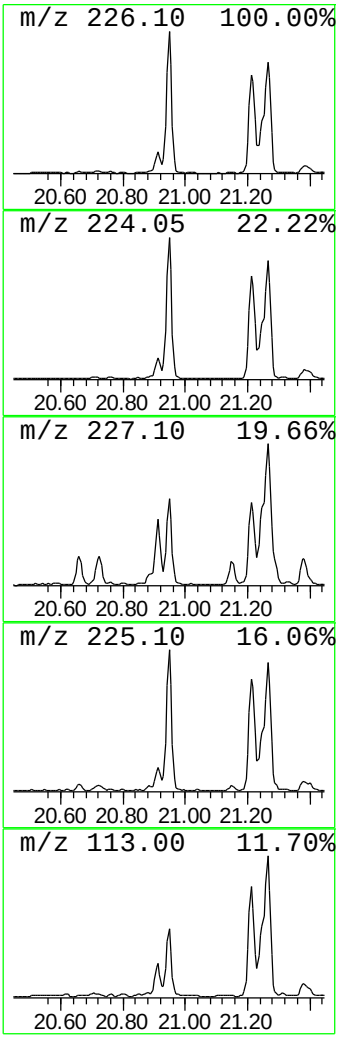
Peak Number 22 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	5.93 ng/ul	2131090	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	58
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38





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Quant Title : SVOA CALIBRATION

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

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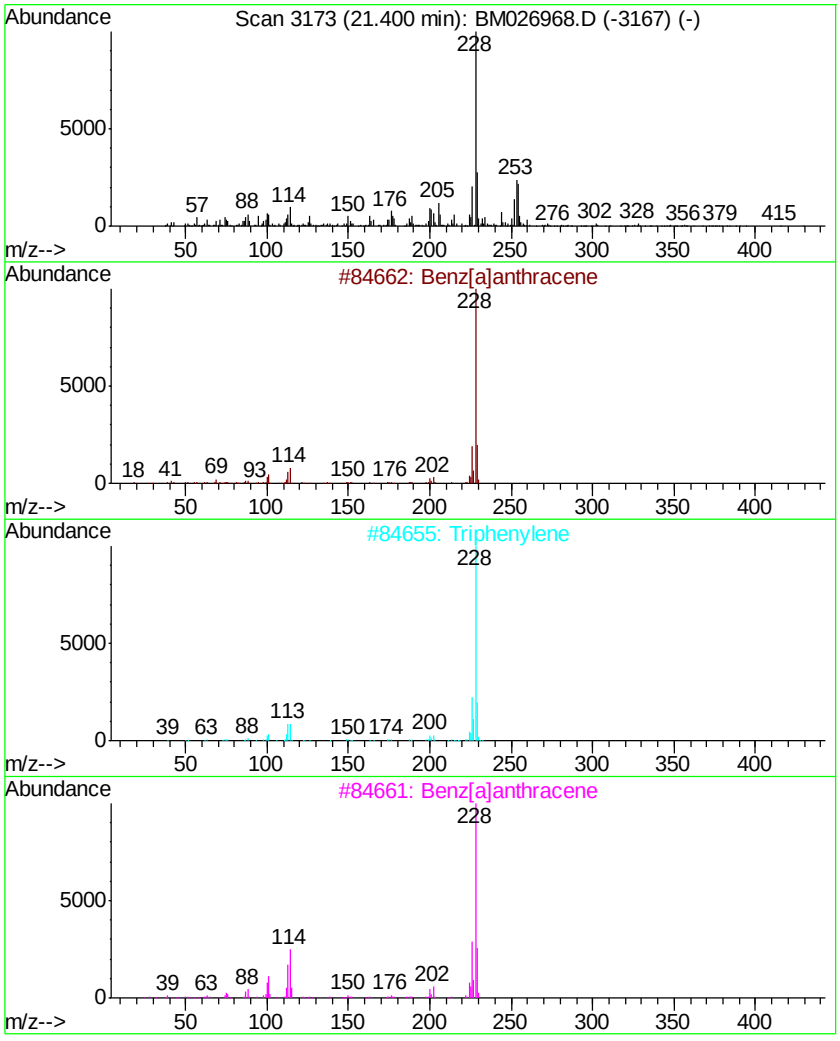
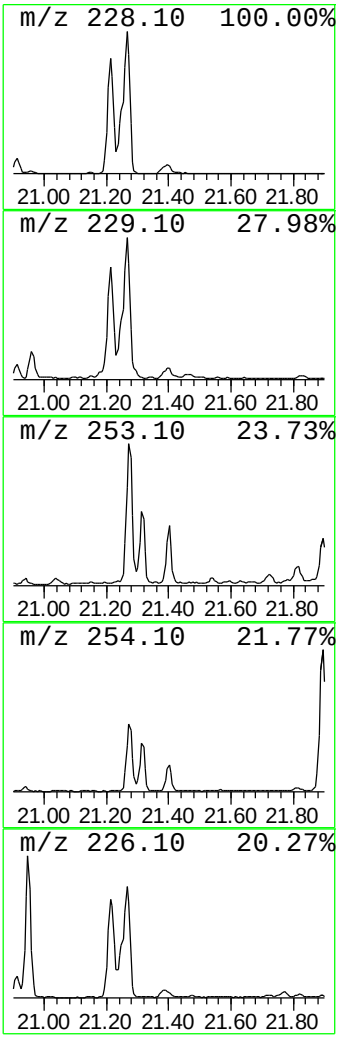
Peak Number 23 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.73 ng/ul	980723	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene	228	C18H12	000056-55-3	55
2	Triphenylene	228	C18H12	000217-59-4	49
3	Benz[a]anthracene	228	C18H12	000056-55-3	49
4	Triphenylene	228	C18H12	000217-59-4	46
5	Triphenylene	228	C18H12	000217-59-4	43





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Quant Title : SVOA CALIBRATION

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

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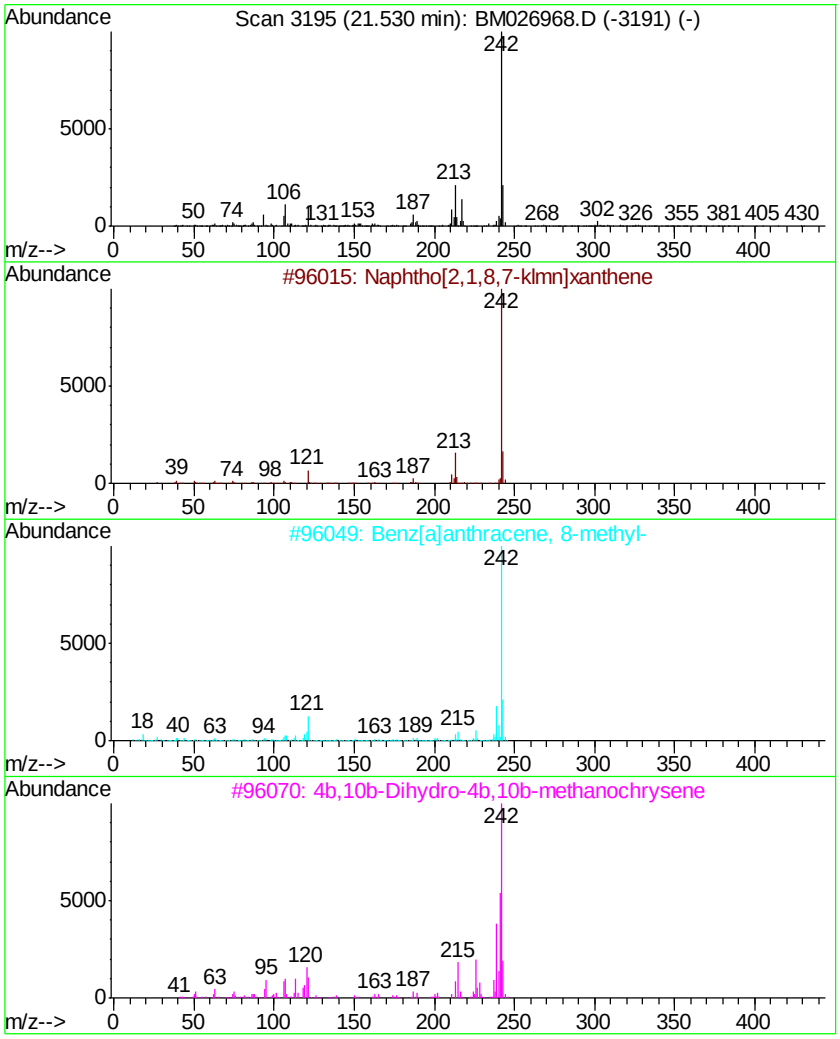
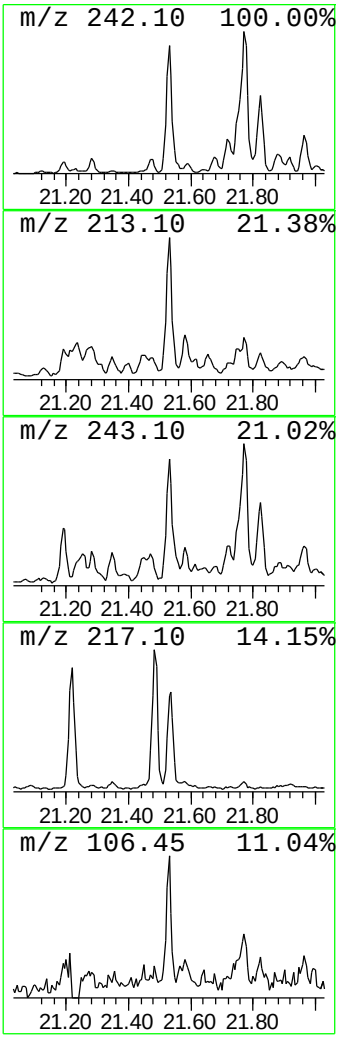
Peak Number 24 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	3.10 ng/ul	1113900	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	53
3	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	53
4	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	52
5	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	52





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Quant Title : SVOA CALIBRATION

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

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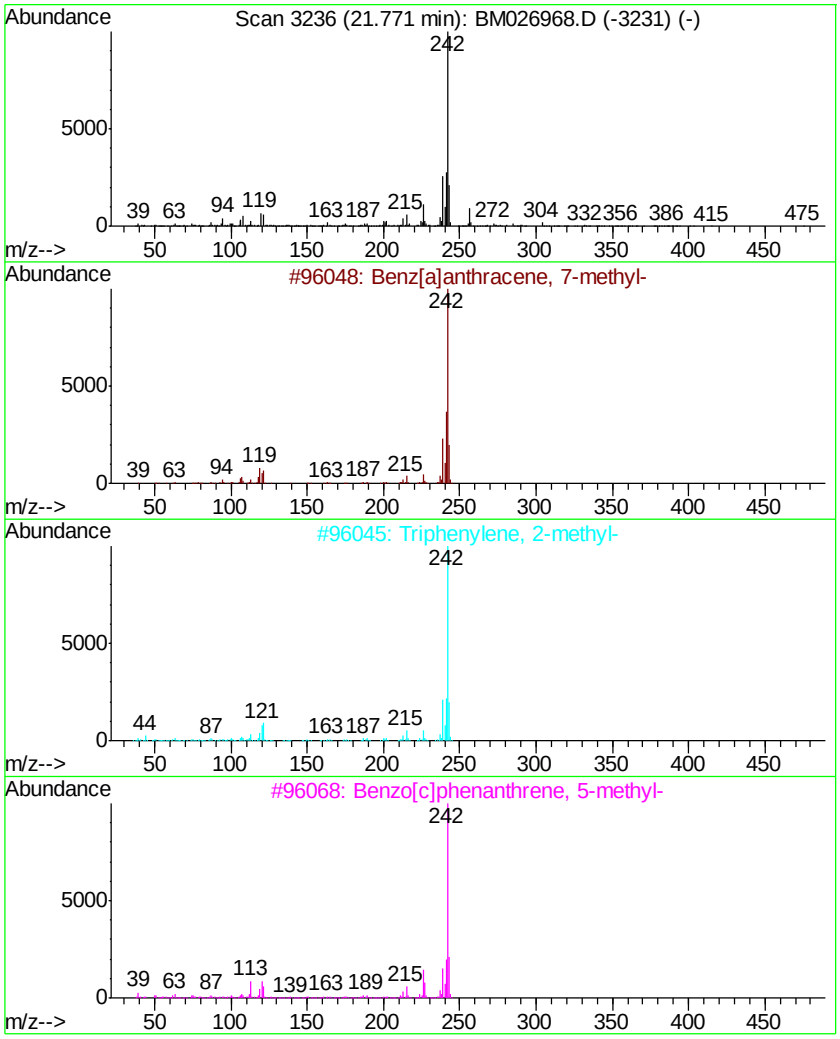
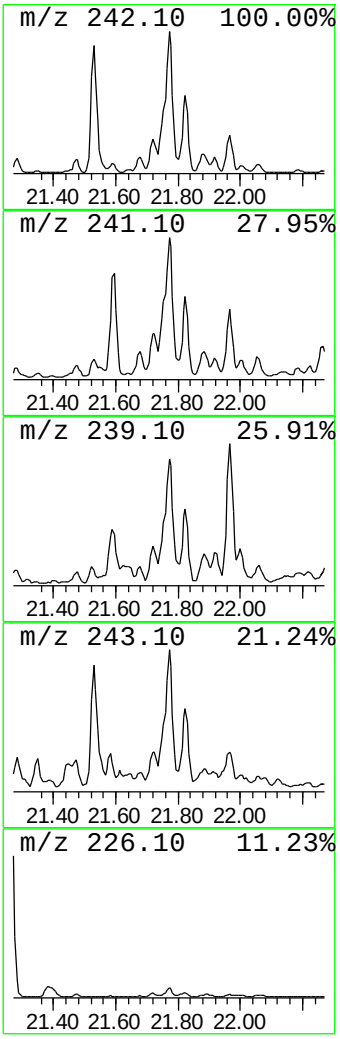
Peak Number 25 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	4.50 ng/ul	1617990	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





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Quant Title : SVOA CALIBRATION

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

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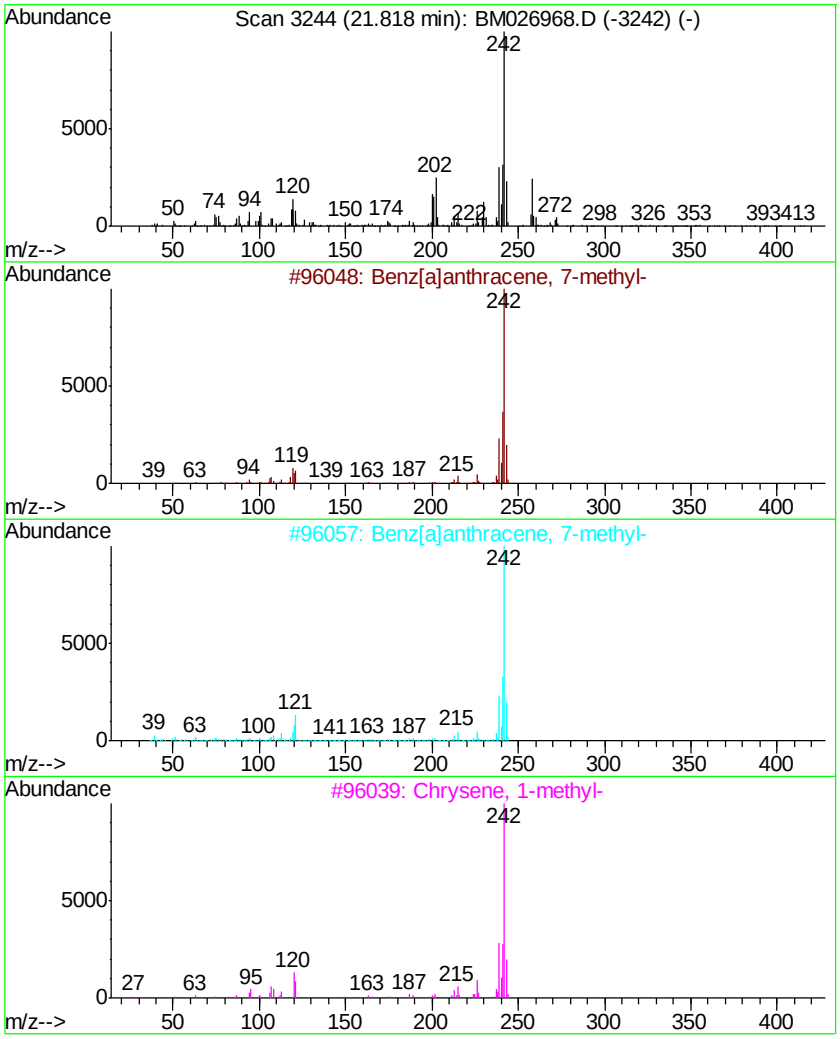
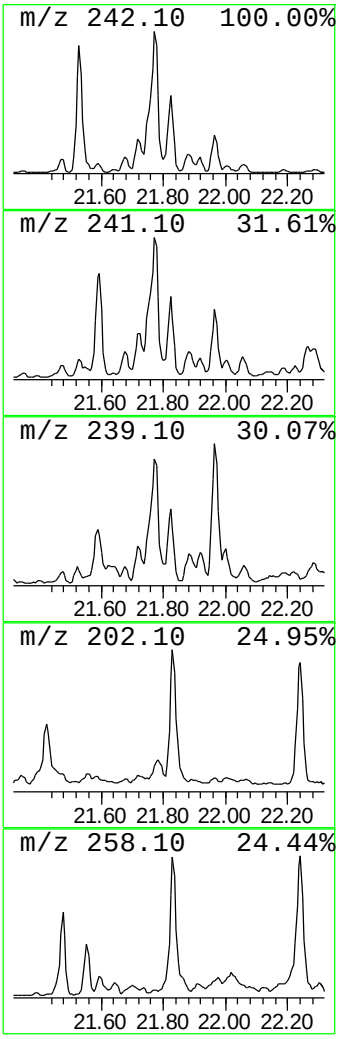
Peak Number 26 Chrysene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	3.91 ng/ul	1406010	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	62
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	62
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	60
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	60
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	60





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TIC Integration Parameters: LSCINT.P

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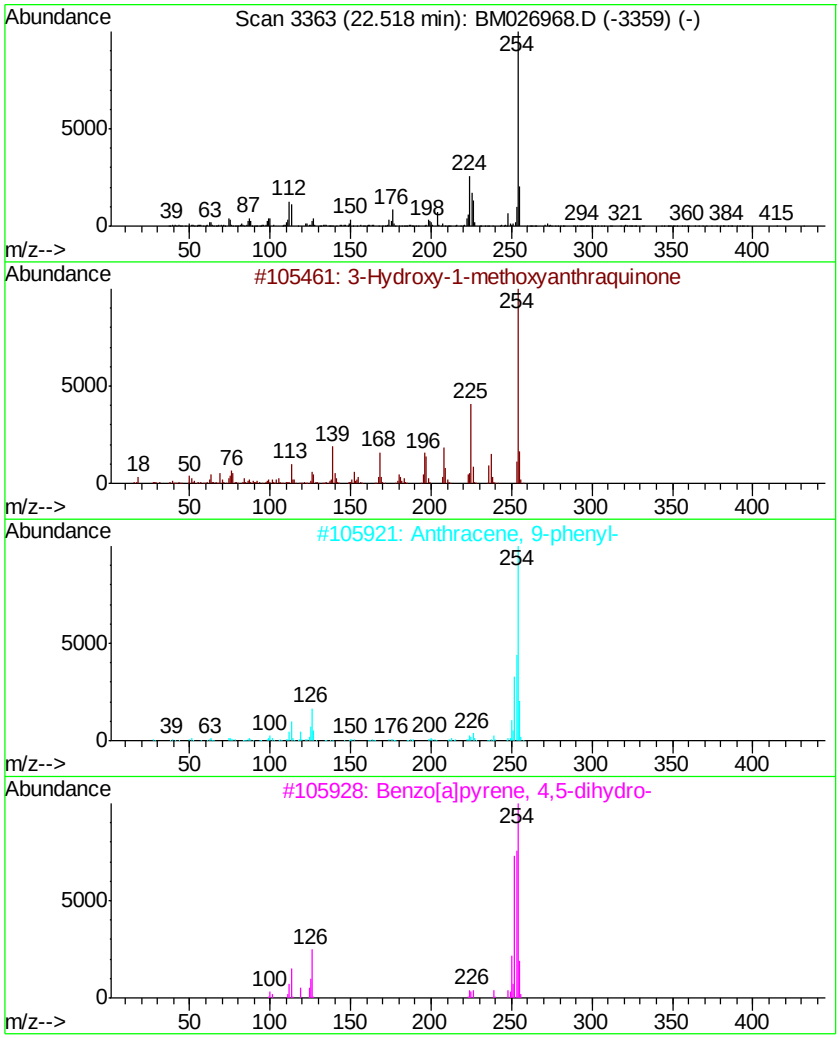
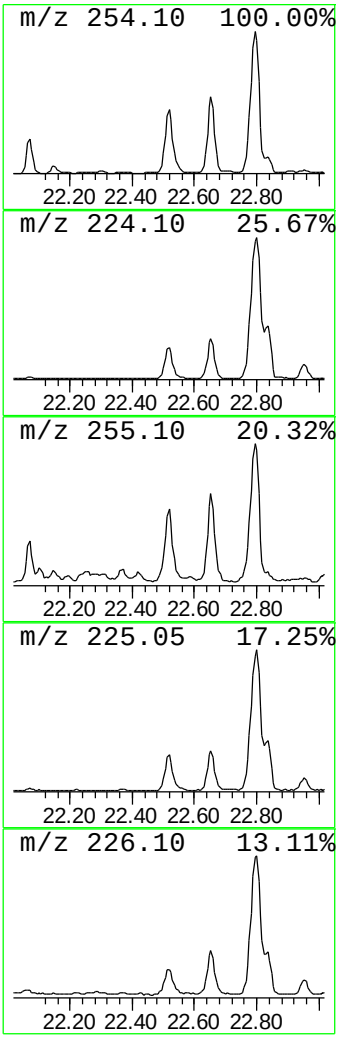
Peak Number 27 3-Hydroxy-1-methoxyanthraqu... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	18.37 ng/ul	1151740	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	64
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	53
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
5	Phenol, 5-amino-2-(5,7-dimethyl-...	254	C15H14N2O2	1000338-06-4	53





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Quant Title : SVOA CALIBRATION

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

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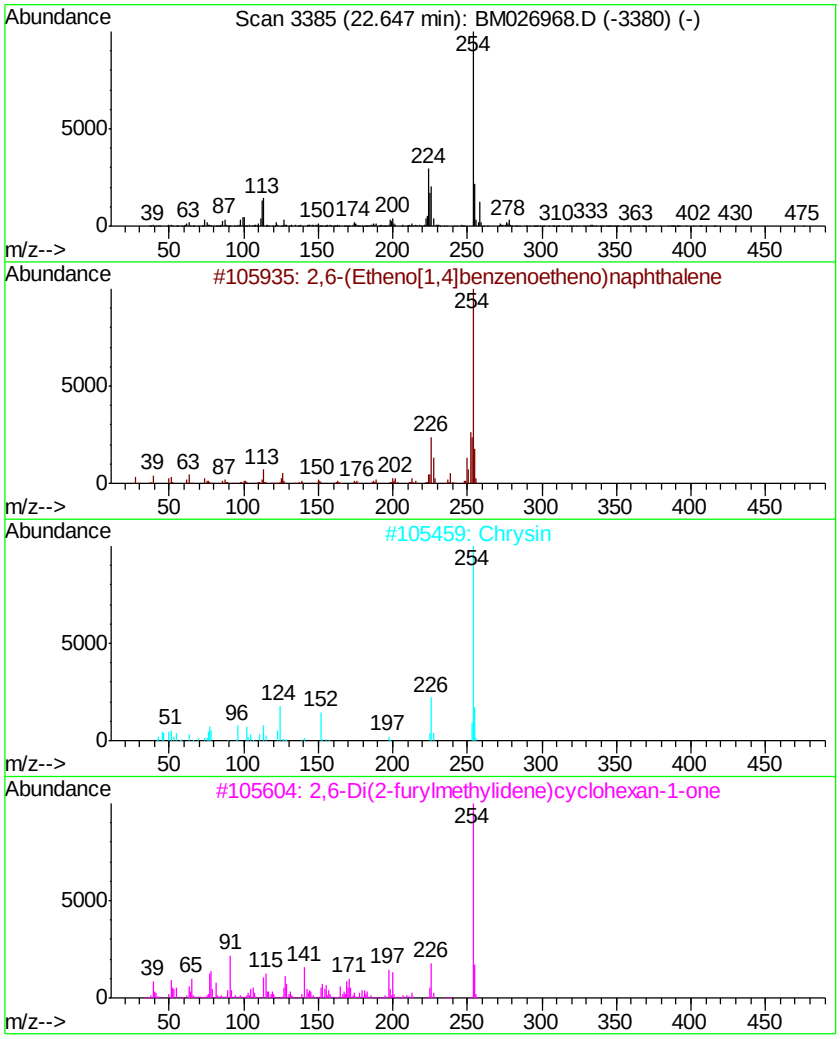
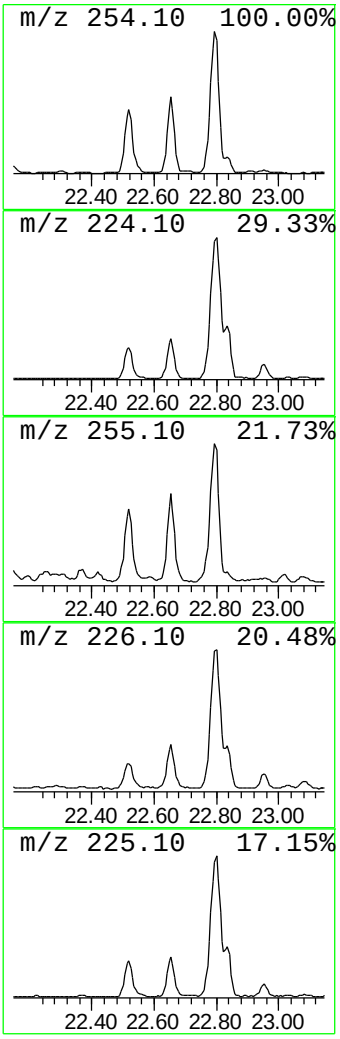
Peak Number 28 2,6-(Etheno[1,4]benzenoethe... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	24.58 ng/ul	1541530	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	59
2	Chrysin	254	C15H10O4	000480-40-0	58
3	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	53
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
Operator : JU/CG
Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

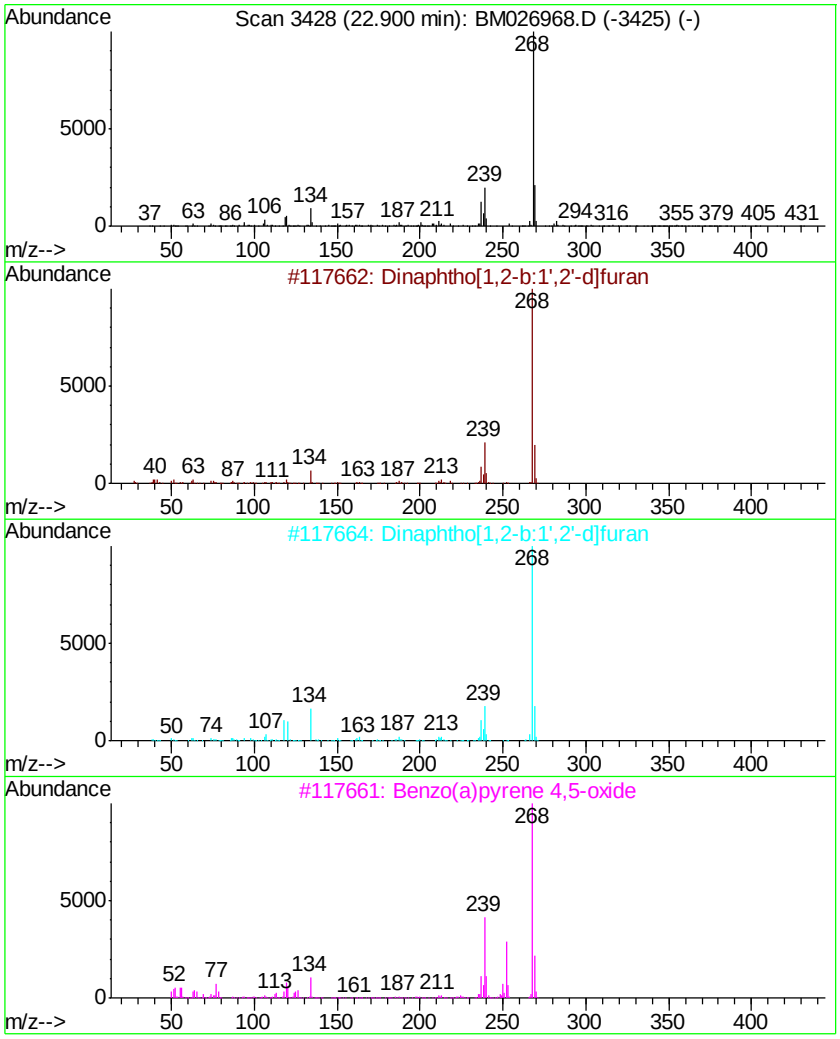
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

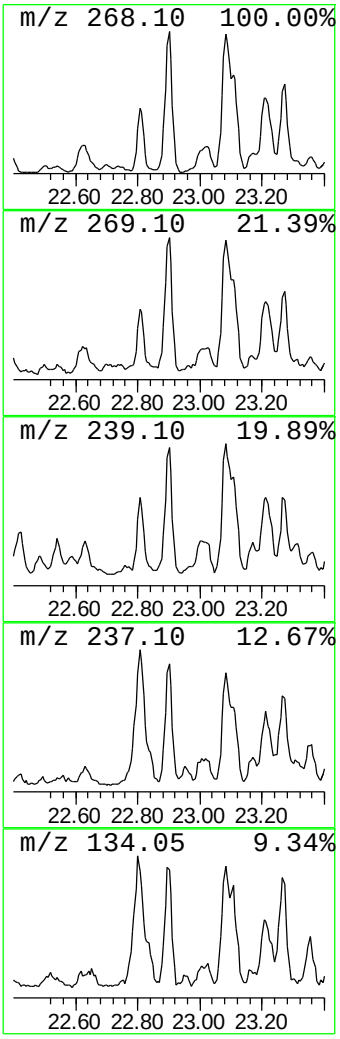
****

Peak Number 29 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.90	7.99 ng/ul	501136	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	86
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	64
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
Operator : JU/CG
Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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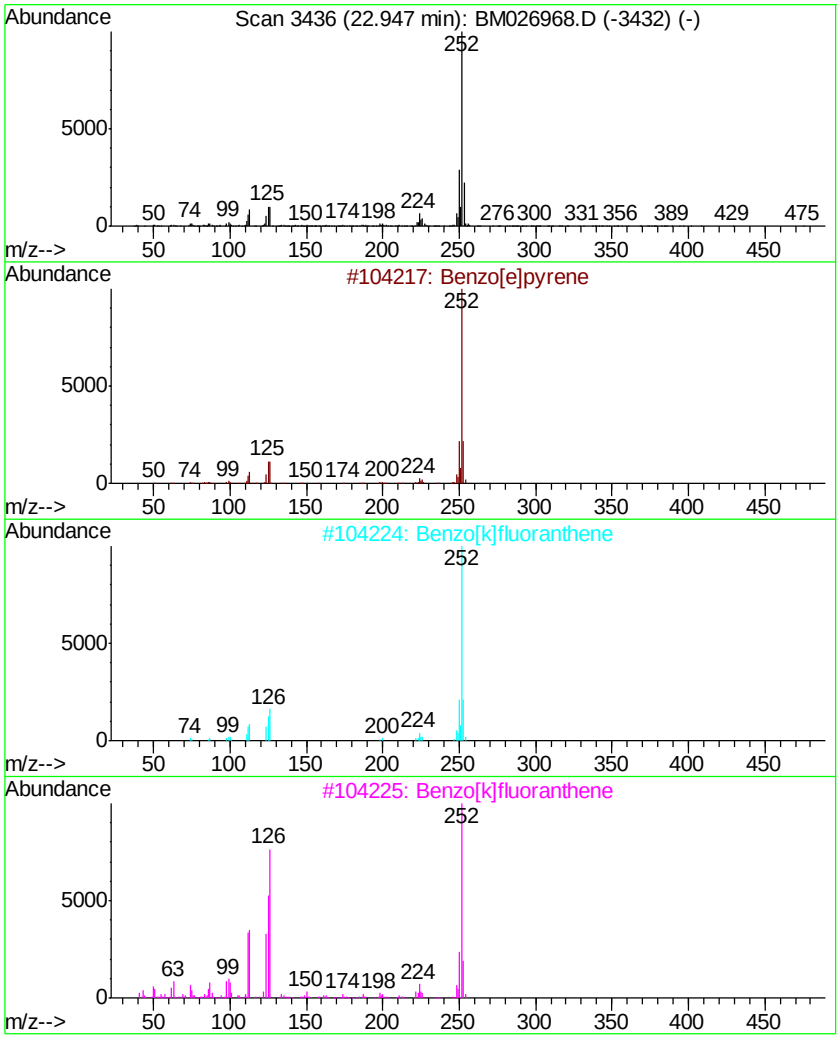
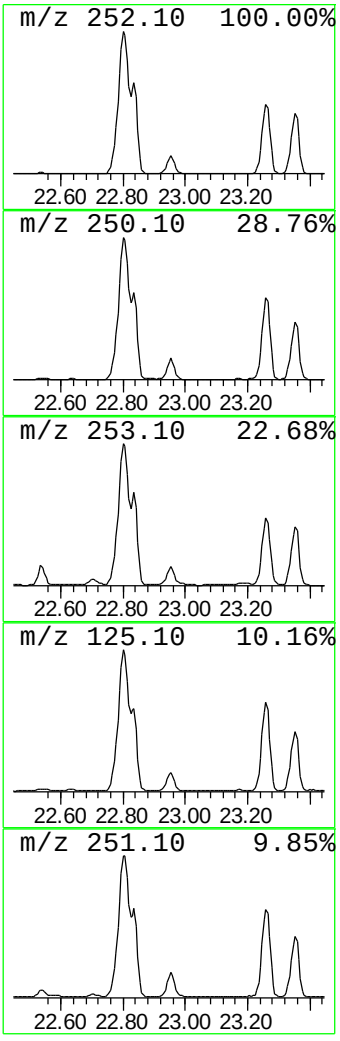
Peak Number 30 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	24.27 ng/ul	1521880	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
Operator : JU/CG
Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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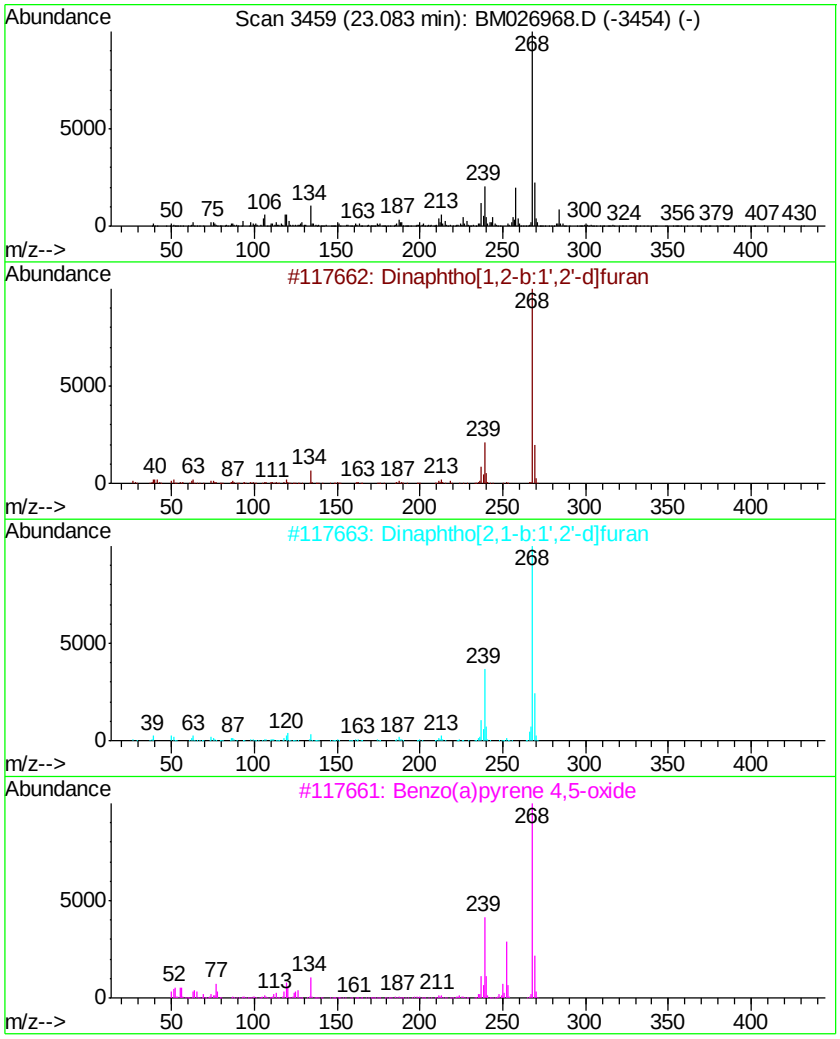
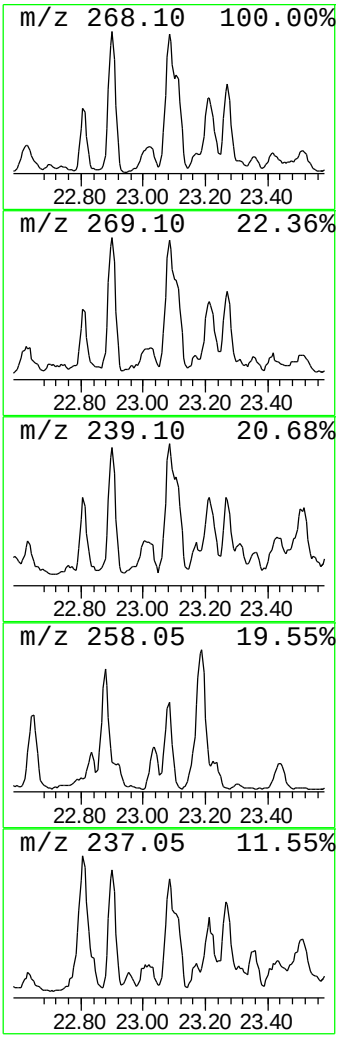
Peak Number 31 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	21.91 ng/ul	1373630	Perylene-d12	23.44

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	72
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM073120\
Data File : BM026968.D
Acq On : 31 Jul 2020 21:08
Operator : JU/CG
Sample : L3424-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	2.90	5.8	ng/ul	194918	1	7.66	668405	20.0
Butane, 2-methoxy...	2.98	19.9	ng/ul	665312	1	7.66	668405	20.0
Indene	8.20	3.8	ng/ul	126742	1	7.66	668405	20.0
Indole	11.93	2.4	ng/ul	111530	2	10.44	933547	20.0
1(2H)-Acenaphthyl...	16.01	3.1	ng/ul	212498	4	17.04	1349600	20.0
9H-Fluoren-9-one	16.69	2.9	ng/ul	196047	4	17.04	1349600	20.0
Phenanthrene, 1-m...	17.95	6.1	ng/ul	413831	4	17.04	1349600	20.0
Anthracene, 2-met...	18.04	3.0	ng/ul	202136	4	17.04	1349600	20.0
4H-Cyclopenta[def...	18.11	5.2	ng/ul	348186	4	17.04	1349600	20.0
Anthrone	18.29	5.0	ng/ul	340452	4	17.04	1349600	20.0
9,10-Anthracenedione	18.45	6.4	ng/ul	434822	4	17.04	1349600	20.0
Naphthalic anhydride	18.83	4.9	ng/ul	331492	4	17.04	1349600	20.0
unknown-01	18.90	2.6	ng/ul	172837	4	17.04	1349600	20.0
Cyclopenta(def)ph...	18.97	13.4	ng/ul	902923	4	17.04	1349600	20.0
Pyrene, 1-methyl-	19.79	3.0	ng/ul	1092520	5	21.23	7183600	20.0
Pyrene, 2-methyl-	19.92	6.0	ng/ul	2157350	5	21.23	7183600	20.0
Fluoranthene, 2-m...	20.11	3.6	ng/ul	1290160	5	21.23	7183600	20.0
11H-Benzo[a]fluorene	20.25	2.4	ng/ul	861872	5	21.23	7183600	20.0
11H-Benzo[a]fluor...	20.71	3.1	ng/ul	1114640	5	21.23	7183600	20.0
Benzo[b]naphtho[2...	20.87	3.5	ng/ul	1243860	5	21.23	7183600	20.0
Cyclopenta(cd)pyr...	20.91	2.6	ng/ul	920229	5	21.23	7183600	20.0
Cyclopenta[cd]pyrene	20.95	5.9	ng/ul	2131090	5	21.23	7183600	20.0
unknown-02	21.40	2.7	ng/ul	980723	5	21.23	7183600	20.0
Naphtho[2,1,8,7-k...	21.53	3.1	ng/ul	1113900	5	21.23	7183600	20.0
Benz[a]anthracene...	21.77	4.5	ng/ul	1617990	5	21.23	7183600	20.0
Chrysene, 1-methyl-	21.82	3.9	ng/ul	1406010	5	21.23	7183600	20.0
3-Hydroxy-1-metho...	22.52	18.4	ng/ul	1151740	6	23.44	1254080	20.0
2,6-(Etheno[1,4]b...	22.65	24.6	ng/ul	1541530	6	23.44	1254080	20.0
Dinaphtho[1,2-b:1...	22.90	8.0	ng/ul	501136	6	23.44	1254080	20.0
Benzo[e]pyrene	22.95	24.3	ng/ul	1521880	6	23.44	1254080	20.0
Dinaphtho[2,1-b:1...	23.08	21.9	ng/ul	1373630	6	23.44	1254080	20.0