LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026966.D
Acq On : 31 Jul 2020 19:54
Operator : JU/CG
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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	110282	184039	0.94%	0.152%
2	2.978	36	41	53	rVB	519486	662273	3.37%	0.545%
3	6.837	690	697	705	rBV	77605	133586	0.68%	0.110%
4	7.001	719	725	732	rBV	59813	93046	0.47%	0.077%
5	7.195	753	758	765	rVB	78113	126637	0.64%	0.104%
6	7.660	830	837	846	rVB	456799	701846	3.57%	0.578%
7	8.195	920	928	943	rBV	143446	272898	1.39%	0.225%
8	8.360	950	956	962	rVB2	95076	146398	0.74%	0.121%
9	8.801	1022	1031	1037	rVB	70327	116883	0.59%	0.096%
10	9.519	1147	1153	1160	rVB2	57588	93296	0.47%	0.077%
11	10.054	1238	1244	1251	rVB	98977	163034	0.83%	0.134%
12	10.436	1301	1309	1313	rBV	566788	997126	5.07%	0.821%
13	10.483	1313	1317	1325	rVV	320155	518918	2.64%	0.427%
14	11.930	1551	1563	1570	rBV	64379	152293	0.77%	0.125%
15	12.101	1585	1592	1600	rVB	137307	218479	1.11%	0.180%
16	12.325	1623	1630	1635	rVB	54262	88961	0.45%	0.073%
17	13.707	1860	1865	1869	rVV	149332	218550	1.11%	0.180%
18	13.748	1869	1872	1877	rVB2	70917	95801	0.49%	0.079%
19	14.013	1905	1917	1925	rBV2	795569	1503342	7.64%	1.238%
20	14.295	1957	1965	1970	rVV	827407	1257688	6.40%	1.036%
21	14.354	1970	1975	1983	rVB2	87088	152635	0.78%	0.126%
22	14.477	1992	1996	2005	rVB3	60779	100011	0.51%	0.082%
23	14.689	2026	2032	2037	rBV	166075	264127	1.34%	0.217%
24	15.283	2127	2133	2138	rBV	231151	348807	1.77%	0.287%
25	15.342	2138	2143	2149	rVV	59839	114473	0.58%	0.094%
26	15.789	2215	2219	2226	rVB	43930	90590	0.46%	0.075%
27	16.013	2251	2257	2261	rBV	179917	302420	1.54%	0.249%
28	16.613	2355	2359	2364	rBV	113612	158260	0.80%	0.130%
29	16.683	2367	2371	2381	rVB	199901	310689	1.58%	0.256%
30	17.036	2425	2431	2434	rBV	1012426	1428168	7.26%	1.176%
31	17.077	2434	2438	2443	rVB	575027	777368	3.95%	0.640%
32	17.130	2443	2447	2449	rBV2	239729	329499	1.68%	0.271%
33	17.165	2449	2453	2459	rVB	1396640	1974343	10.04%	1.626%
34	17.436	2490	2499	2504	rBV	187371	343519	1.75%	0.283%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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	17.565	2518	2521	2527	rVB4	58614	82254	0.42%	0.068%
36	17.736	2547	2550	2557	rVB3	68972	102064	0.52%	0.084%
37	17.954	2583	2587	2596	rVB2	314660	415226	2.11%	0.342%
38	18.036	2596	2601	2606	rBV	203174	303909	1.55%	0.250%
39	18.107	2607	2613	2623	rVB2	162387	404375	2.06%	0.333%
40	18.295	2641	2645	2651	rVB	175976	250181	1.27%	0.206%
41	18.389	2657	2661	2663	rBV	70486	98888	0.50%	0.081%
42	18.448	2667	2671	2678	rVB	196177	259857	1.32%	0.214%
43	18.830	2732	2736	2741	rBV3	199012	283550	1.44%	0.233%
44	18.912	2745	2750	2755	rVV4	287000	382570	1.95%	0.315%
45	18.971	2755	2760	2769	rVB	539274	736383	3.74%	0.606%
46	19.048	2770	2773	2776	rBV	129916	147741	0.75%	0.122%
47	19.095	2776	2781	2788	rBV	3173159	4413001	22.44%	3.633%
48	19.242	2802	2806	2811	rBV2	499756	670599	3.41%	0.552%
49	19.430	2833	2838	2839	rBV2	682254	798604	4.06%	0.658%
50	19.459	2839	2843	2851	rVV	4430968	5880474	29.90%	4.842%
51	19.542	2852	2857	2863	rVB4	125407	273107	1.39%	0.225%
52	19.642	2869	2874	2879	rBV2	183383	282959	1.44%	0.233%
53	19.695	2879	2883	2890	rVB2	186070	345786	1.76%	0.285%
54	19.801	2894	2901	2905	rBV5	438374	896806	4.56%	0.738%
55	19.930	2917	2923	2932	rVB4	604417	1586712	8.07%	1.306%
56	20.059	2941	2945	2948	rVB2	143715	190558	0.97%	0.157%
57	20.112	2948	2954	2958	rBV2	580227	935103	4.76%	0.770%
58	20.153	2958	2961	2965	rVB	153501	201889	1.03%	0.166%
59	20.253	2974	2978	2982	rBV	533485	716631	3.64%	0.590%
60	20.301	2982	2986	2994	rVV4	231228	596336	3.03%	0.491%
61	20.512	3019	3022	3027	rBV4	237881	441245	2.24%	0.363%
62	20.624	3038	3041	3044	rBV2	164819	176089	0.90%	0.145%
63	20.659	3044	3047	3051	rBV	182586	272080	1.38%	0.224%
64	20.706	3051	3055	3062	rVB2	609462	968508	4.92%	0.797%
65	20.871	3077	3083	3087	rBV3	461064	1063195	5.41%	0.875%
66	20.912	3087	3090	3093	rVV2	537914	668345	3.40%	0.550%
67	20.948	3093	3096	3101	rVV	1350012	1883797	9.58%	1.551%
68	21.000	3102	3105	3108	rVB2	313099	363280	1.85%	0.299%
69	21.212	3134	3141	3145	rBV2	3535382	6324890	32.16%	5.208%
70	21.265	3148	3150	3157	rVV	3446775	4297376	21.85%	3.538%
71	21.348	3161	3164	3167	rVB	249260	277955	1.41%	0.229%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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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Peak separation: 5

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

72	21.400	3168	3173	3179	rBV2	606556	1186801	6.03%	0.977%
73	21.530	3191	3195	3201	rBV	706193	1089392	5.54%	0.897%
74	21.583	3201	3204	3212	rVB3	505199	868717	4.42%	0.715%
75	21.718	3224	3227	3230	rBV	271115	374641	1.91%	0.308%
76	21.771	3233	3236	3241	rVB	764137	1034283	5.26%	0.852%
77	21.824	3241	3245	3252	rVB2	623154	977283	4.97%	0.805%
78	21.895	3254	3257	3264	rVB2	320537	519589	2.64%	0.428%
79	21.965	3265	3269	3272	rBV2	445263	652657	3.32%	0.537%
80	22.071	3284	3287	3291	rVB	333402	433478	2.20%	0.357%
81	22.242	3312	3316	3320	rVB	301234	404979	2.06%	0.333%
82	22.524	3358	3364	3370	rBV2	767270	1849523	9.40%	1.523%
83	22.653	3379	3386	3392	rBV2	1004288	1852146	9.42%	1.525%
84	22.800	3402	3411	3415	rBV2	8570623	19665348	100.00%	16.191%
85	22.900	3425	3428	3432	rVB	351811	502952	2.56%	0.414%
86	22.953	3432	3437	3444	rVB	1213204	1907247	9.70%	1.570%
87	23.083	3454	3459	3469	rBV	622416	1532851	7.79%	1.262%
88	23.265	3484	3490	3495	rVB	3826353	6248960	31.78%	5.145%
89	23.353	3499	3505	3511	rVB	3076273	5535640	28.15%	4.558%
90	23.441	3515	3520	3524	rVV2	720000	1352179	6.88%	1.113%
91	23.494	3525	3529	3537	rVB3	704967	1718364	8.74%	1.415%
92	23.924	3598	3602	3606	rVB2	212572	340177	1.73%	0.280%
93	23.983	3608	3612	3615	rBV4	154538	279395	1.42%	0.230%
94	24.983	3777	3782	3788	rBV2	420270	937400	4.77%	0.772%
95	25.135	3802	3808	3816	rVB3	615923	1483631	7.54%	1.222%
96	25.430	3852	3858	3866	rVB2	891390	2147217	10.92%	1.768%
97	25.677	3888	3900	3908	rVB	3302627	9424322	47.92%	7.759%
98	25.918	3934	3941	3950	rBV2	443408	1302451	6.62%	1.072%
99	26.335	4004	4012	4025	rVB2	893843	2717175	13.82%	2.237%
100	26.465	4029	4034	4043	rVV5	267882	685334	3.48%	0.564%

Sum of corrected areas: 121456458

LSC Report - Integrated Chromatogram

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Data File : BM026966.D
Acq On : 31 Jul 2020 19:54
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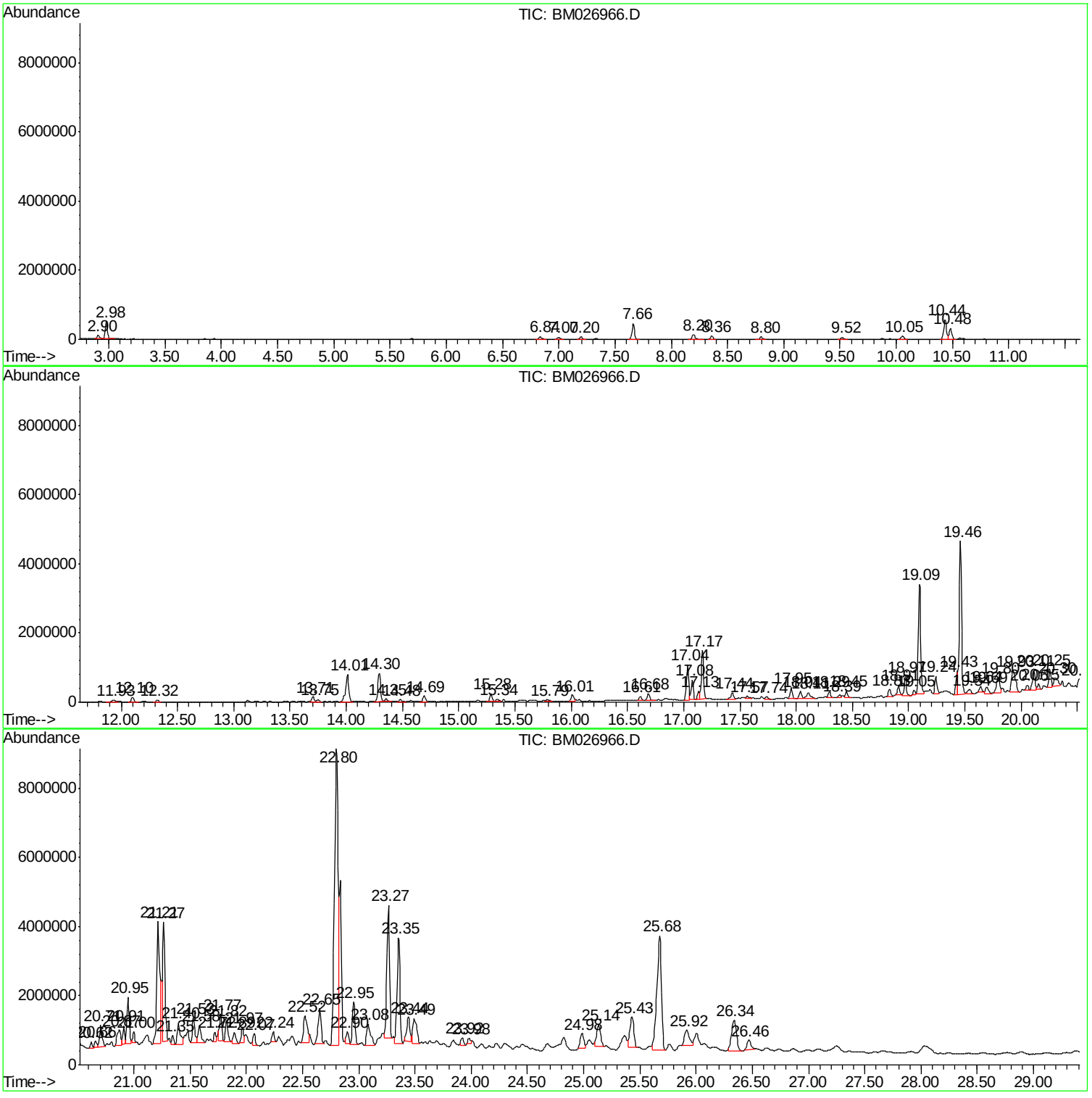
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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 : BM026966.D
Acq On : 31 Jul 2020 19:54
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Instrument : BNA_M
ClientSampleId : C0S80

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

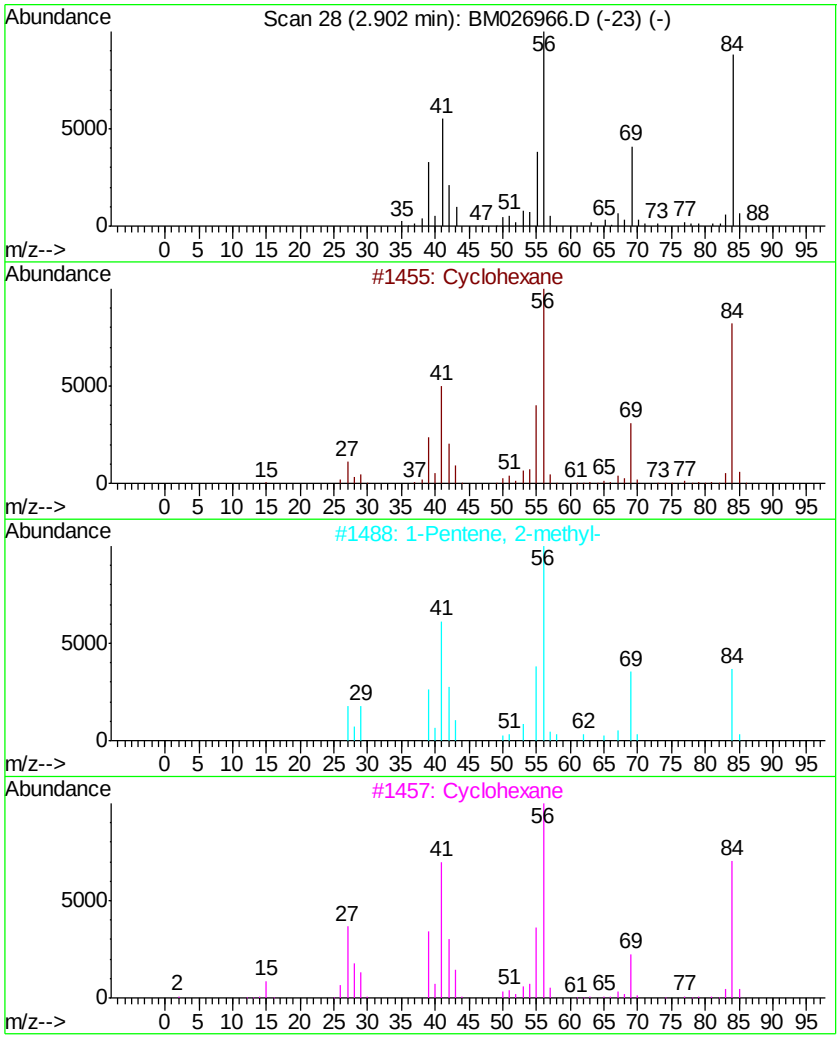
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

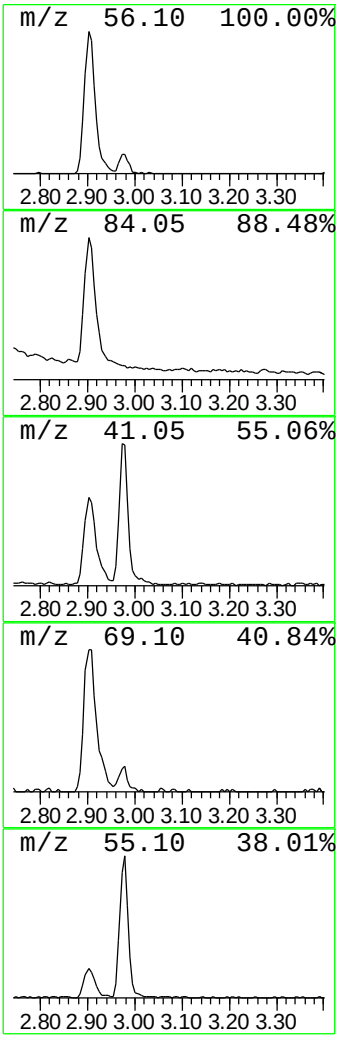
****

Peak Number 1 (DEL) Alkane: Cyclic2.90 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	5.24 ng/ul	184039	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	95
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
3	Cyclohexane	84	C6H12	000110-82-7	87
4	Cyclohexane	84	C6H12	000110-82-7	87
5	Cyclohexane	84	C6H12	000110-82-7	87





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0S80

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

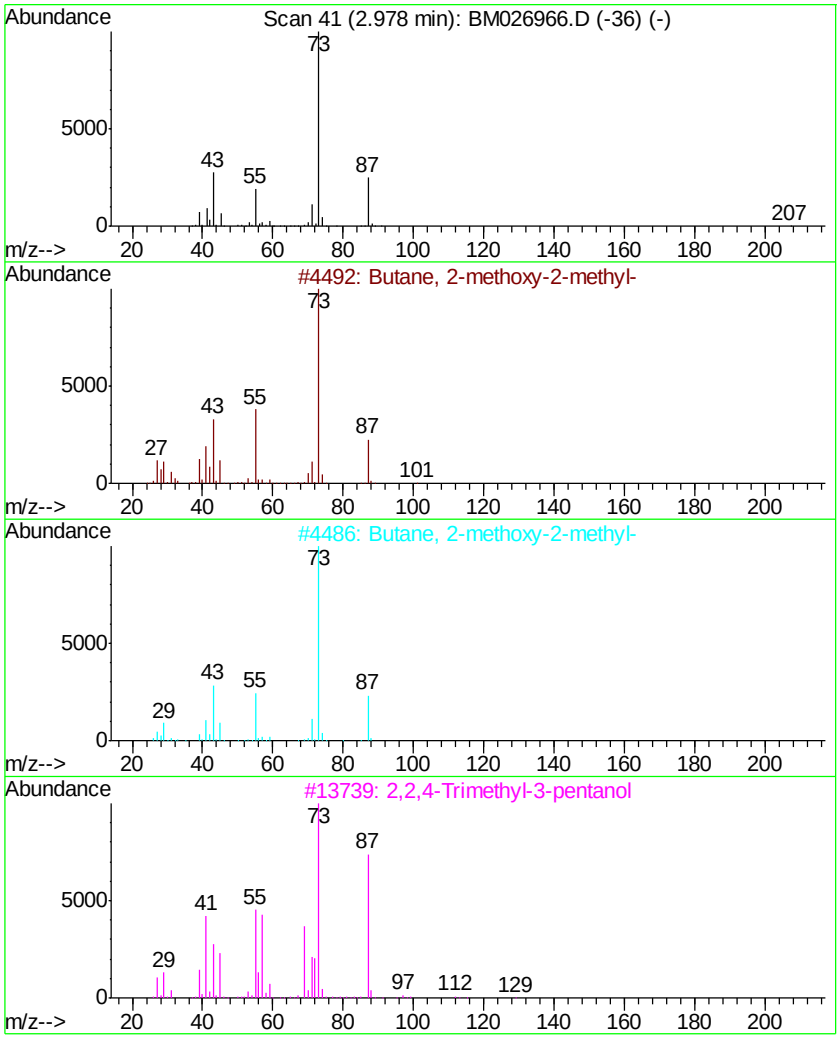
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

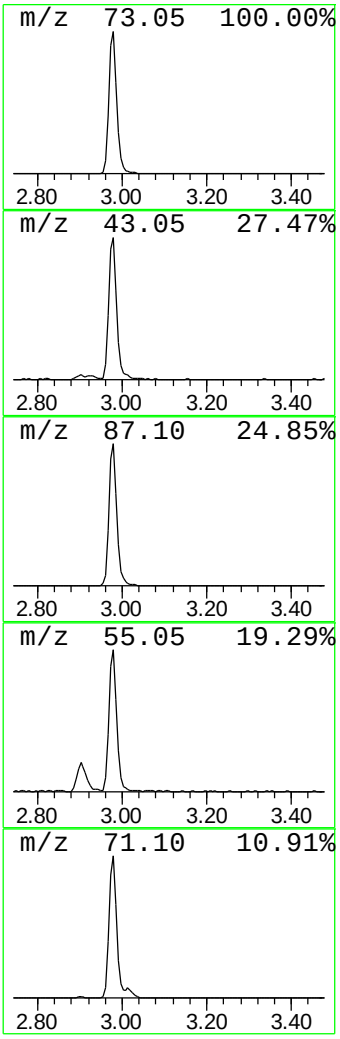
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	18.87 ng/ul	662273	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	74
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23





Library Search Compound Report

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

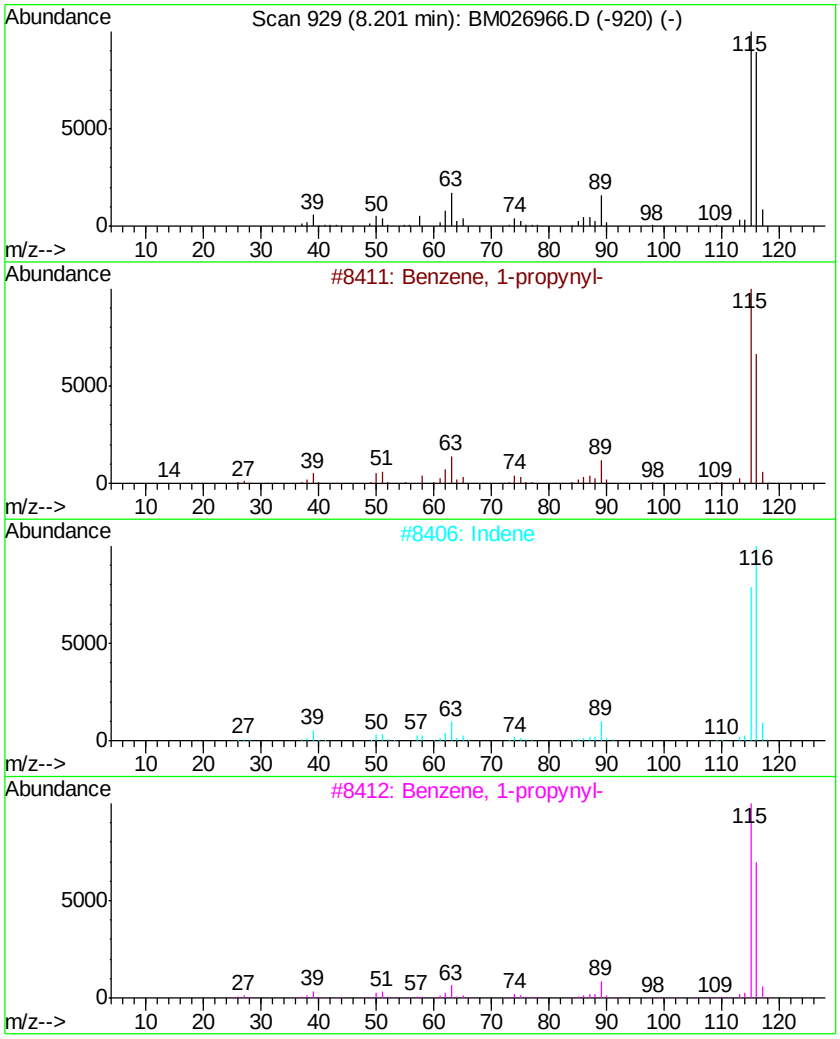
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

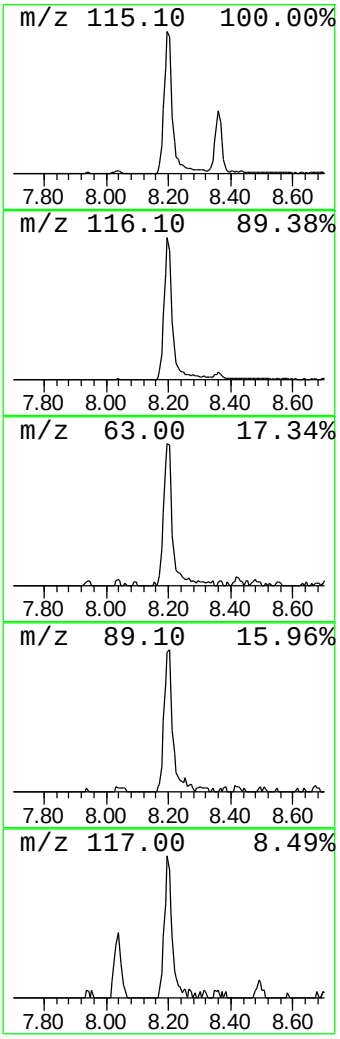
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	7.78 ng/ul	272898	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	97
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Instrument : BNA_M
ClientSampleId : C0S80

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

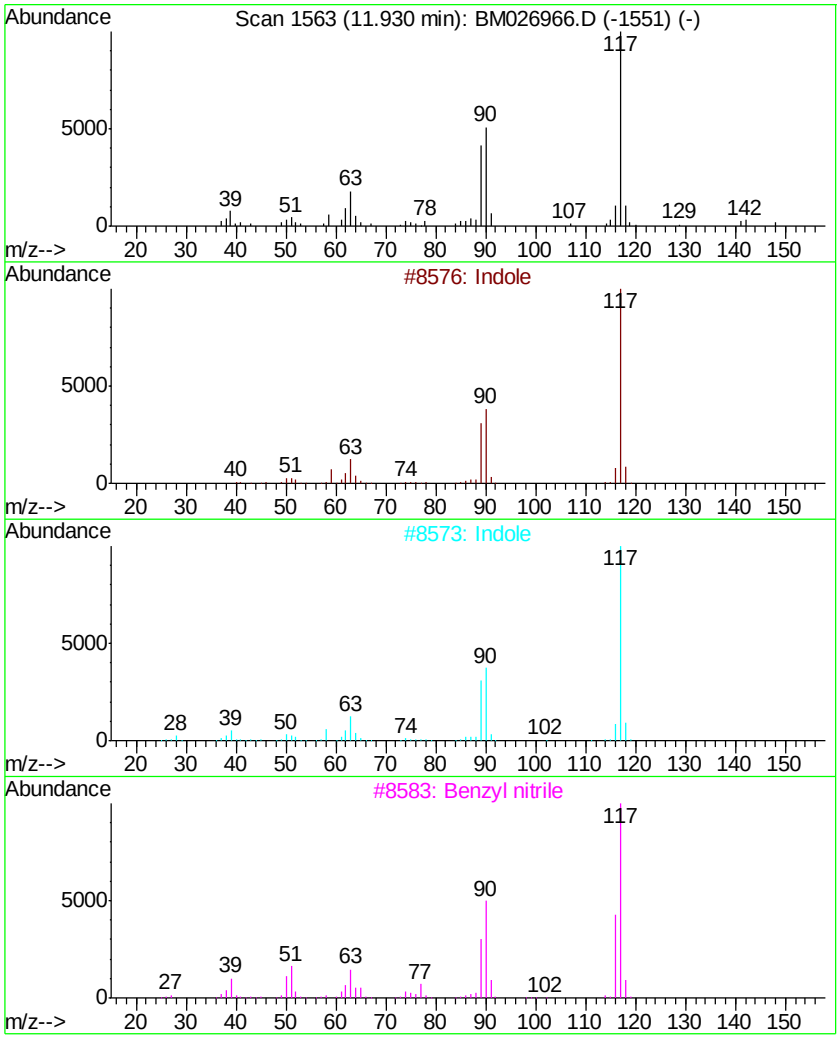
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

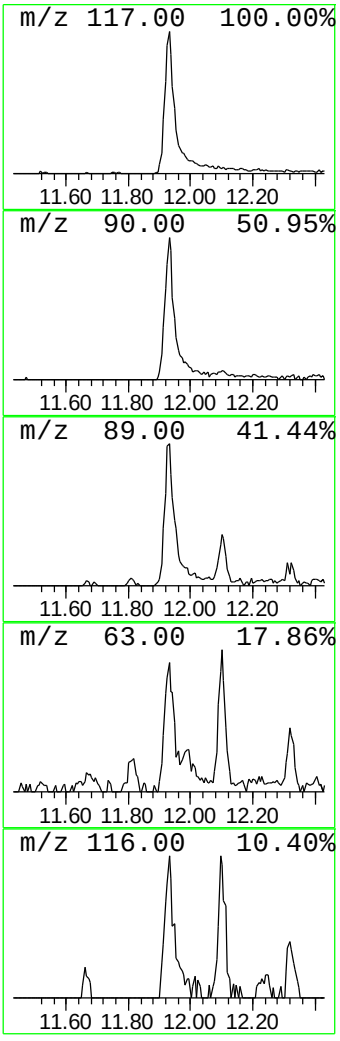
****

Peak Number 4 Indole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.05 ng/ul	152293	Naphthalene-d8	10.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	97
2	Indole	117	C8H7N	000120-72-9	95
3	Benzyl nitrile	117	C8H7N	000140-29-4	91
4	Benzyl nitrile	117	C8H7N	000140-29-4	91
5	5H-1-Pyrindine	117	C8H7N	000270-91-7	91





Library Search Compound Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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

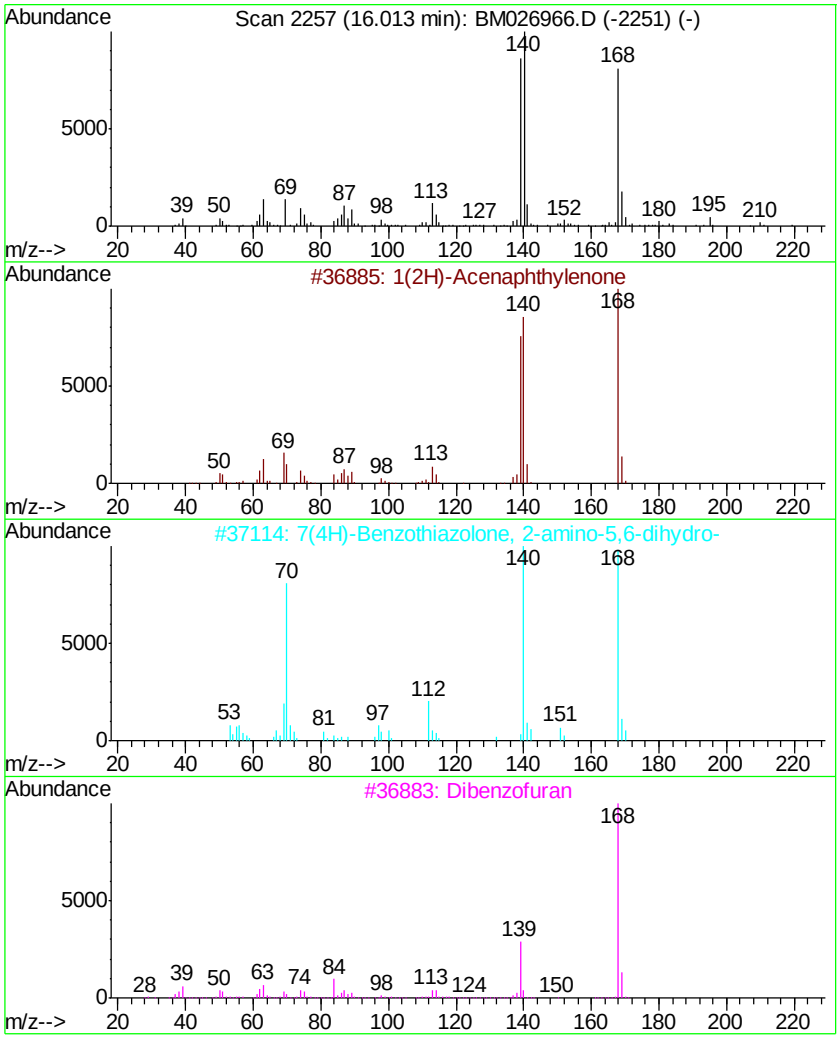
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

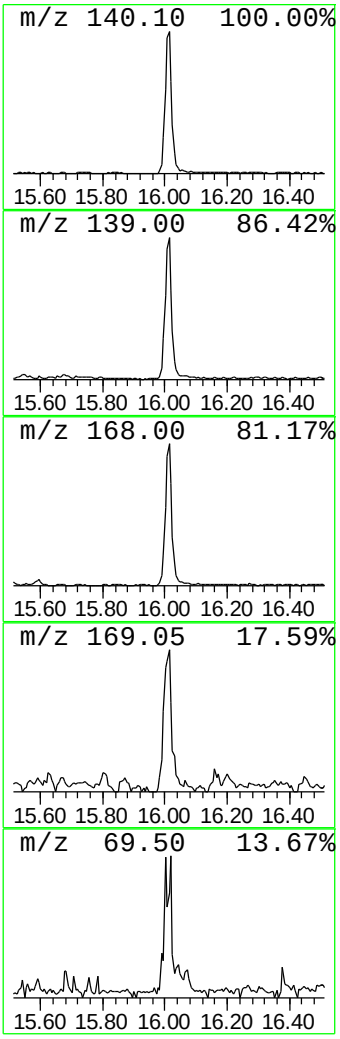
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	4.24 ng/ul	302420	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	64
2	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	52
3	Dibenzofuran	168	C12H8O	000132-64-9	50
4	Dibenzofuran	168	C12H8O	000132-64-9	50
5	Thiophene, 2,5-dipropyl-	168	C10H16S	054411-07-3	49





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Operator : JU/CG
Sample : L3424-05 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S80

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Quant Title : SVOA CALIBRATION

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

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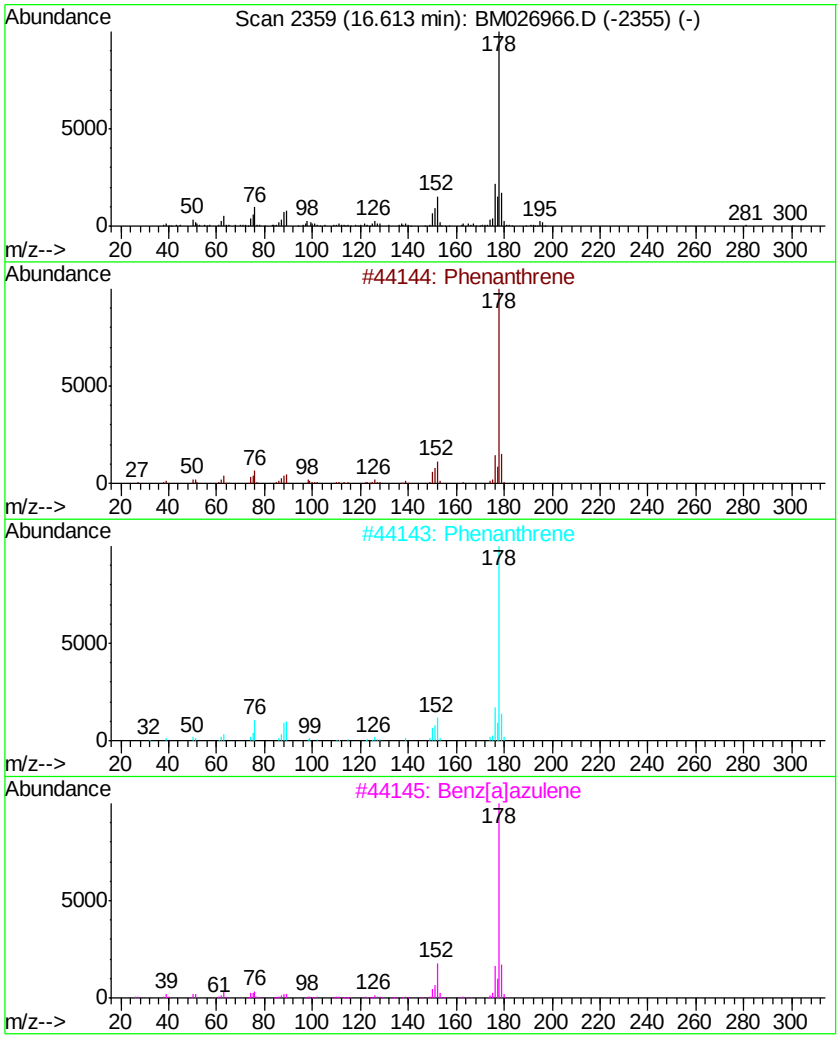
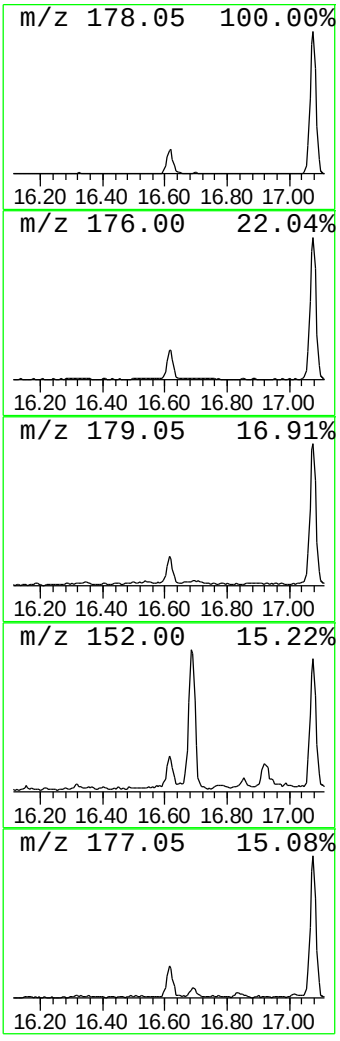
Peak Number 6 Benz[a]azulene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.22 ng/ul	158260	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene	178	C14H10	000085-01-8	93
2	Phenanthrene	178	C14H10	000085-01-8	91
3	Benz[a]azulene	178	C14H10	000246-02-6	91
4	Phenanthrene	178	C14H10	000085-01-8	87
5	Anthracene	178	C14H10	000120-12-7	87





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Instrument : BNA_M
ClientSampleId : C0S80

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Quant Title : SVOA CALIBRATION

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

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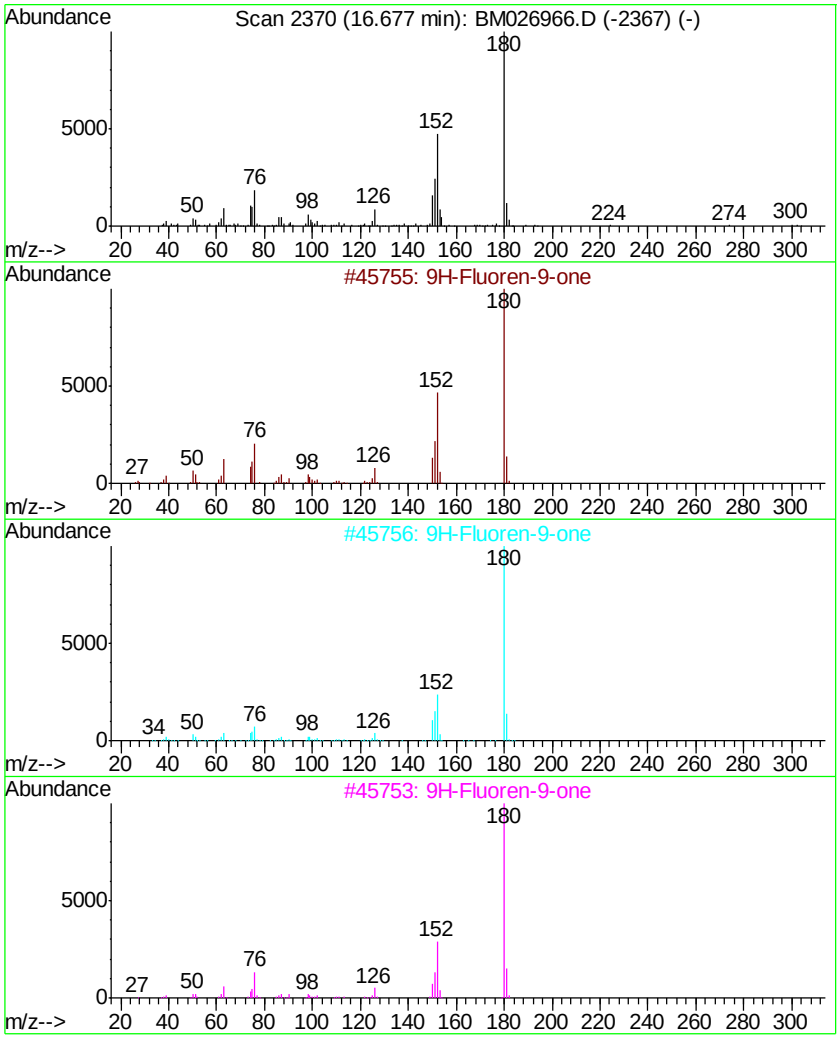
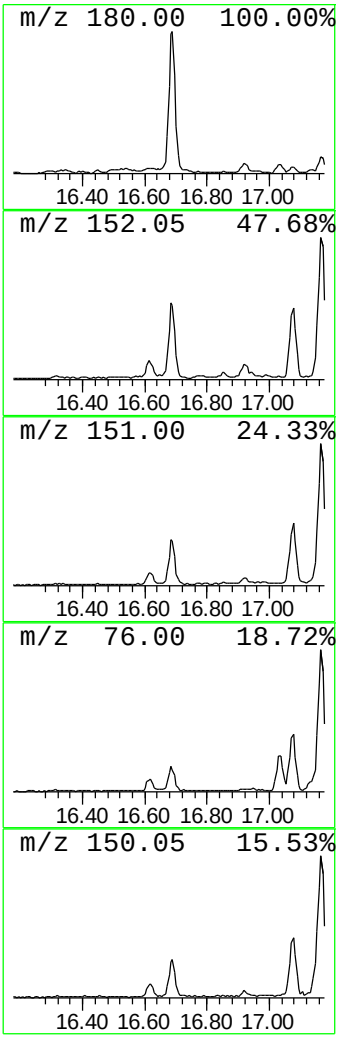
Peak Number 7 9H-Fluoren-9-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	4.35 ng/ul	310689	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	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Diphenic anhydride	224	C14H8O3	006050-13-1	91





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Instrument : BNA_M
ClientSampleId : C0S80

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Quant Title : SVOA CALIBRATION

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

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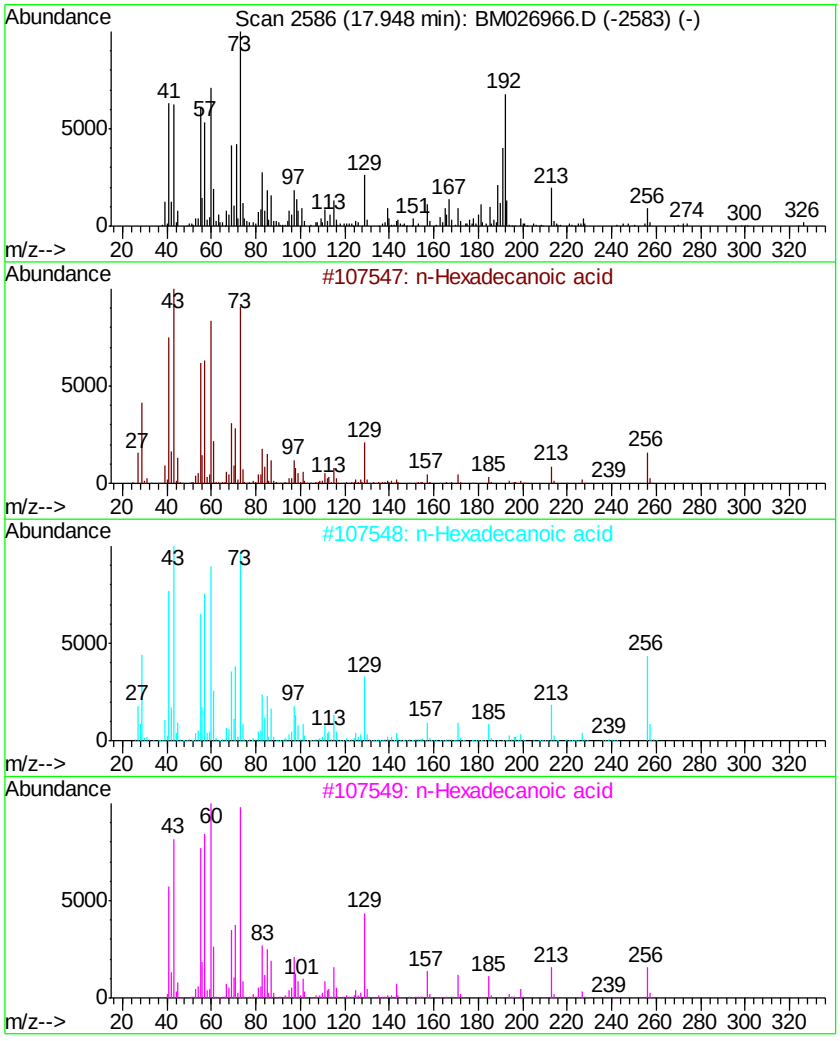
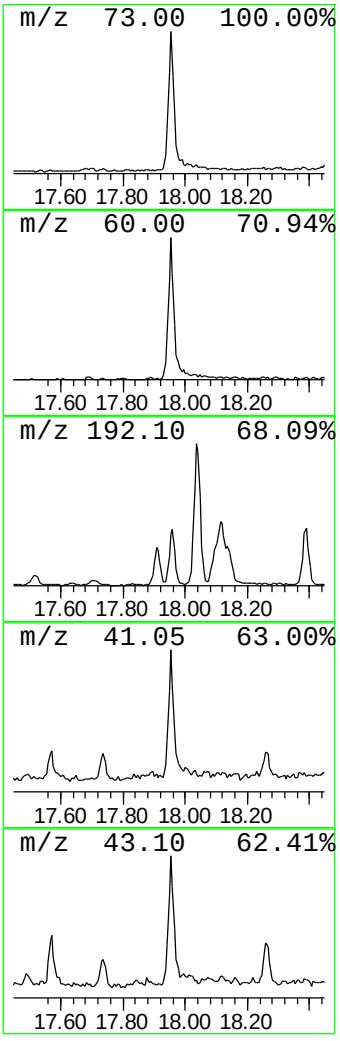
Peak Number 8 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	5.81 ng/ul	415226	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	66





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Quant Title : SVOA CALIBRATION

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

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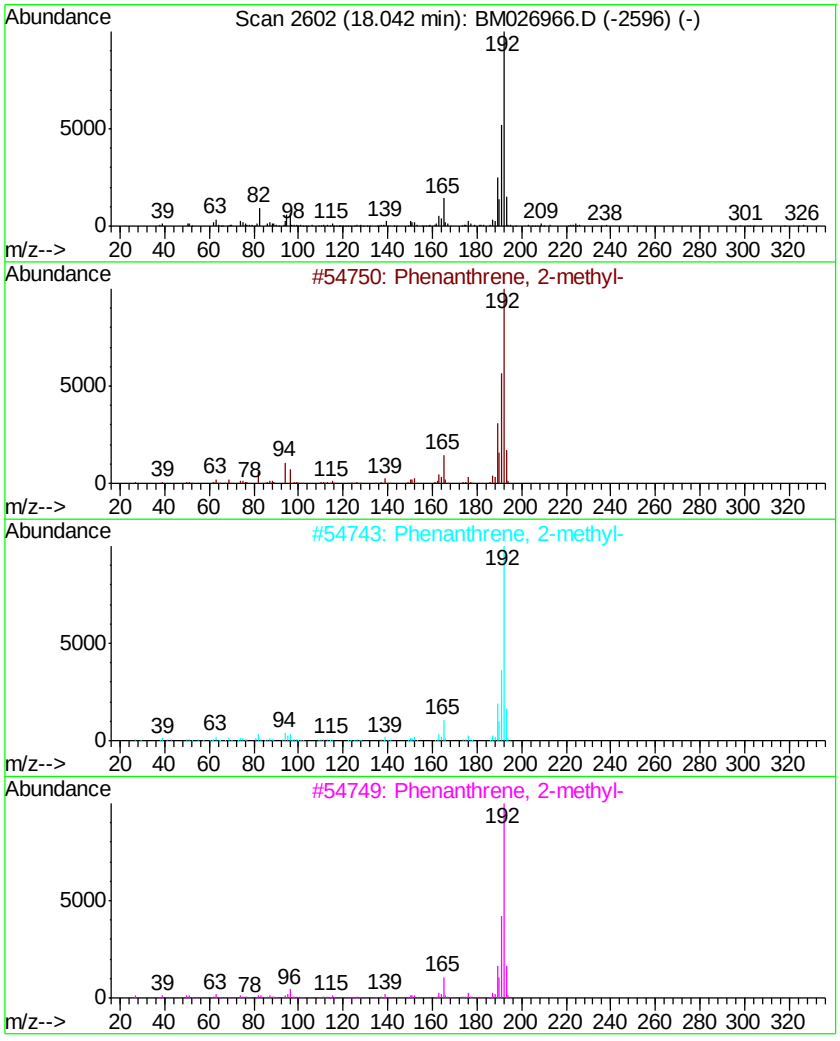
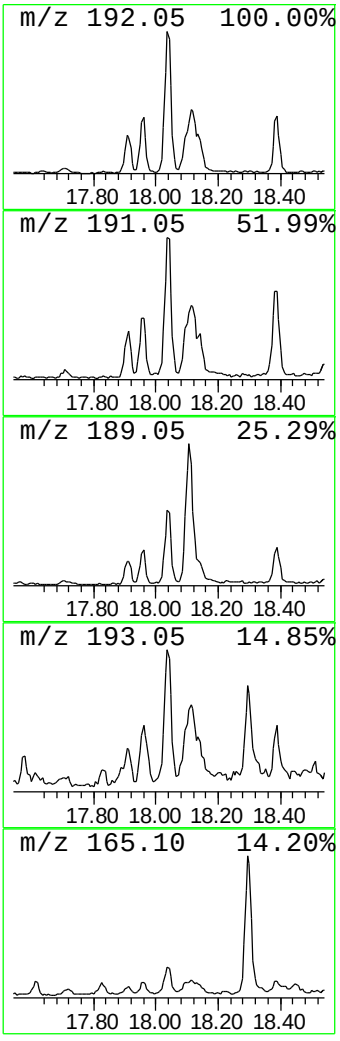
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.26 ng/ul	303909	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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Quant Title : SVOA CALIBRATION

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

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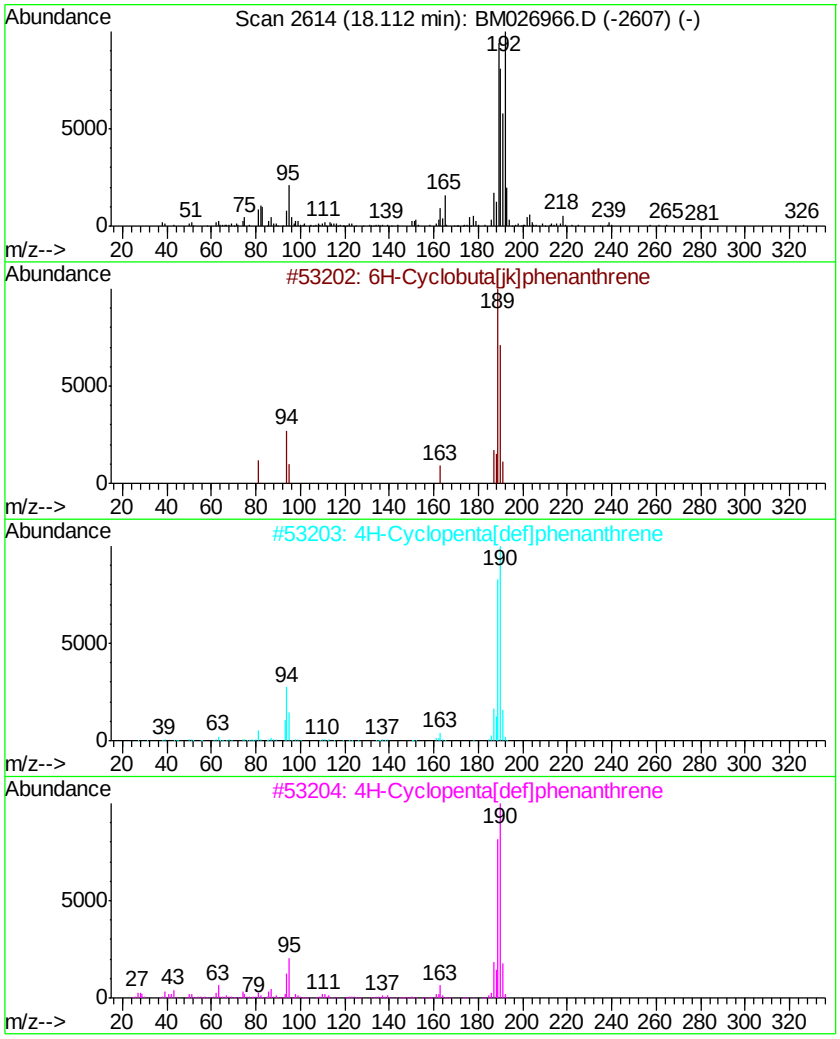
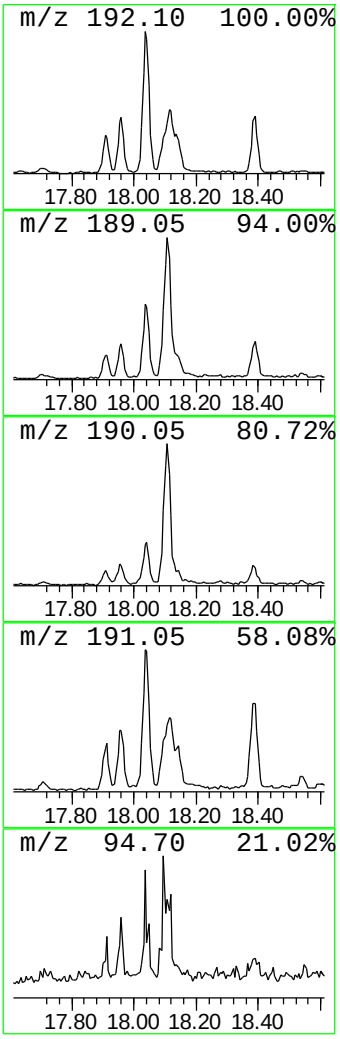
Peak Number 10 6H-Cyclobuta[jk]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	5.66 ng/ul	404375	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	30





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Quant Title : SVOA CALIBRATION

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

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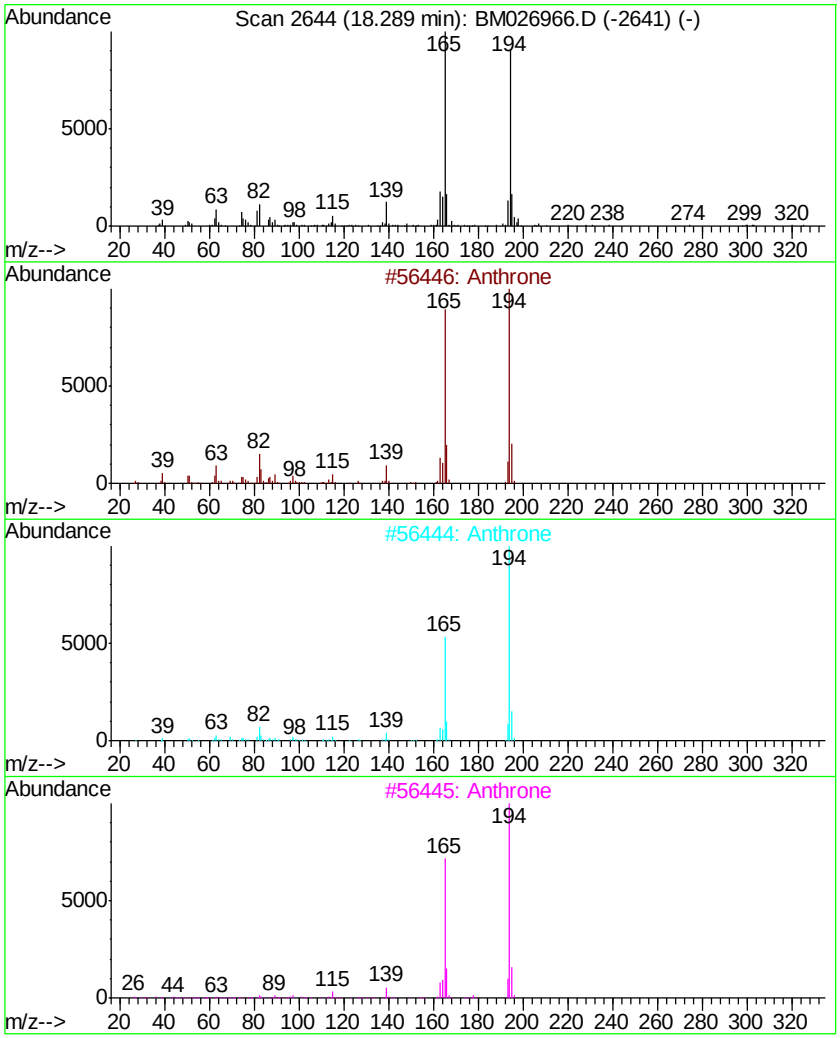
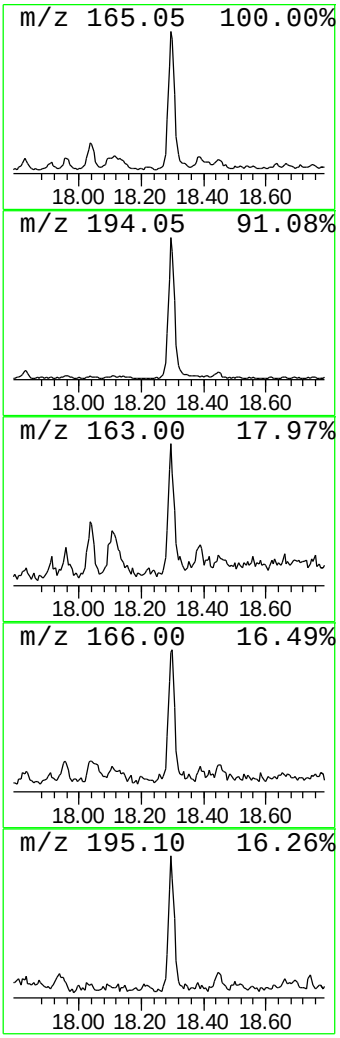
Peak Number 11 Anthrone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.50 ng/ul	250181	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	95
2	Anthrone	194	C14H10O	000090-44-8	91
3	Anthrone	194	C14H10O	000090-44-8	91
4	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	91
5	3-Phenanthrol	194	C14H10O	000605-87-8	91





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Quant Title : SVOA CALIBRATION

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

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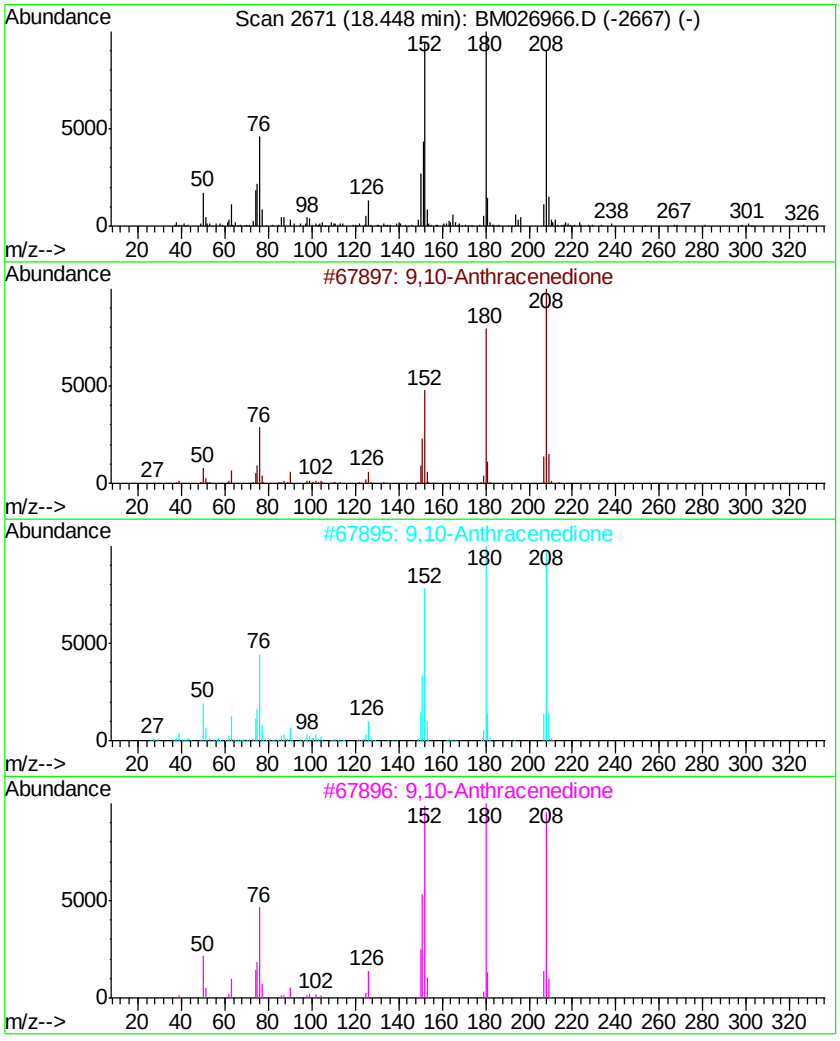
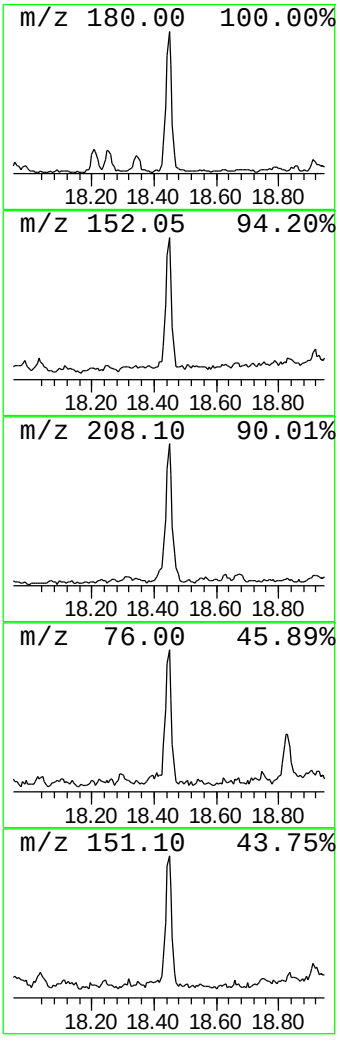
Peak Number 12 9,10-Anthracenedione Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.64 ng/ul	259857	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	74
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Instrument : BNA_M
ClientSampleId : C0S80

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Quant Title : SVOA CALIBRATION

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

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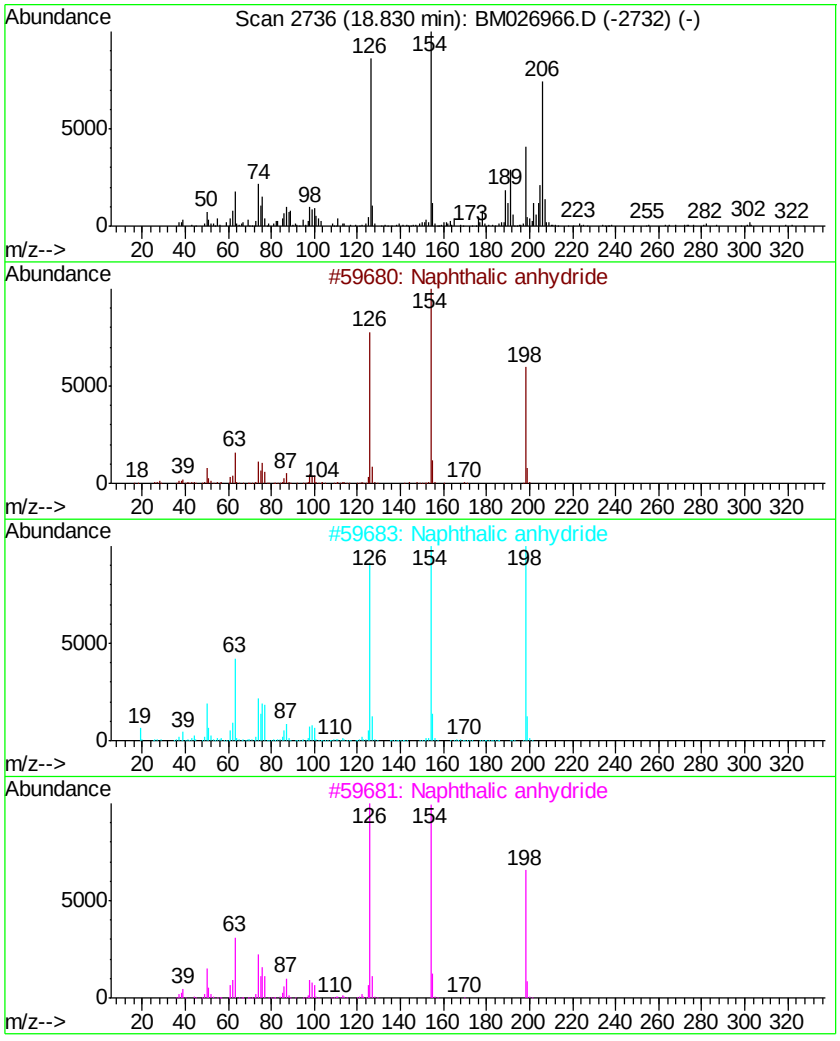
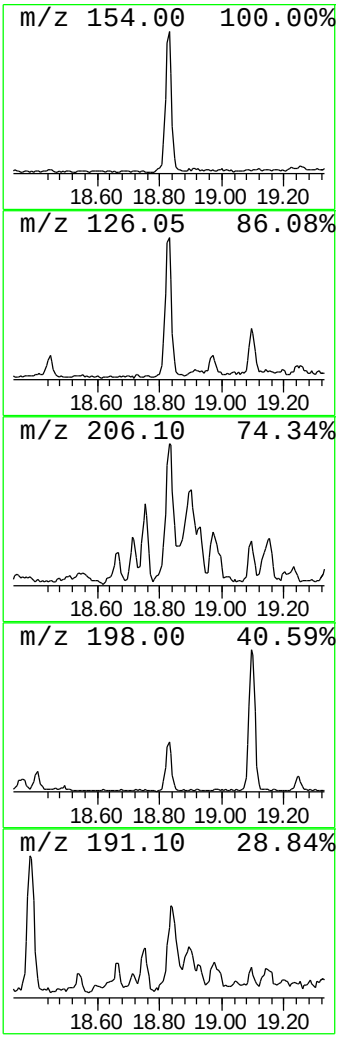
Peak Number 13 Naphthalic anhydride Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.97 ng/ul	283550	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	Naphthalic anhydride	198	C12H6O3	000081-84-5	90
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	52





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Misc :
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Quant Title : SVOA CALIBRATION

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

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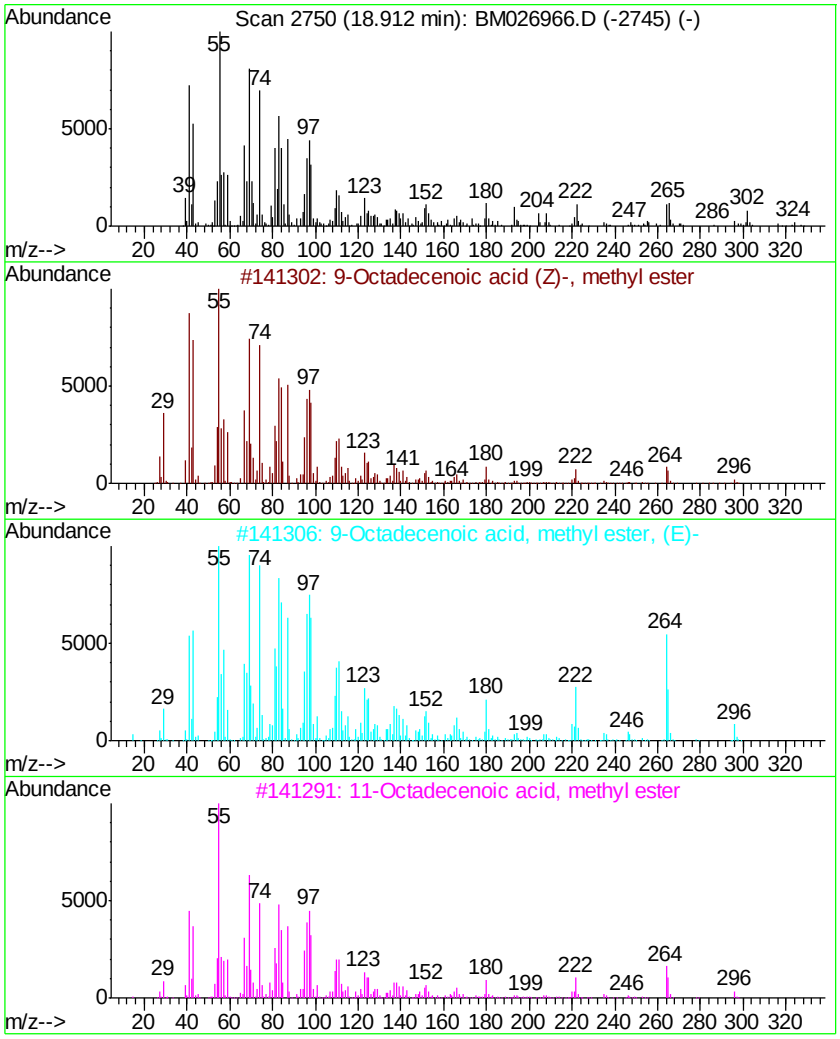
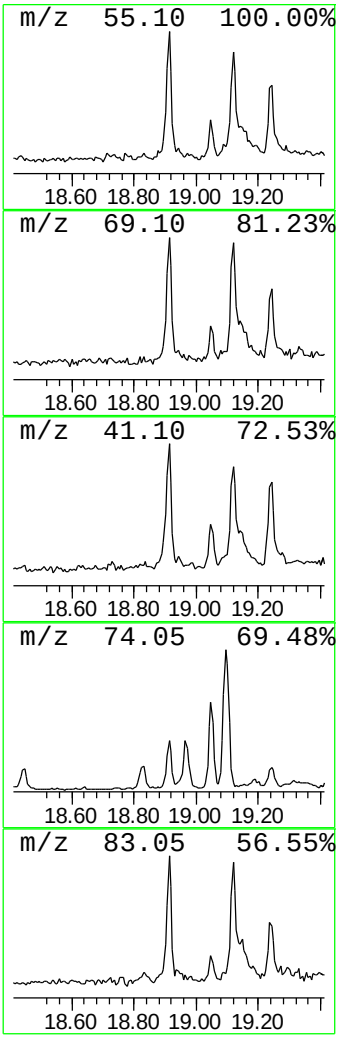
Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	5.36 ng/ul	382570	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	97
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	96
4	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	95
5	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	93





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Quant Title : SVOA CALIBRATION

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

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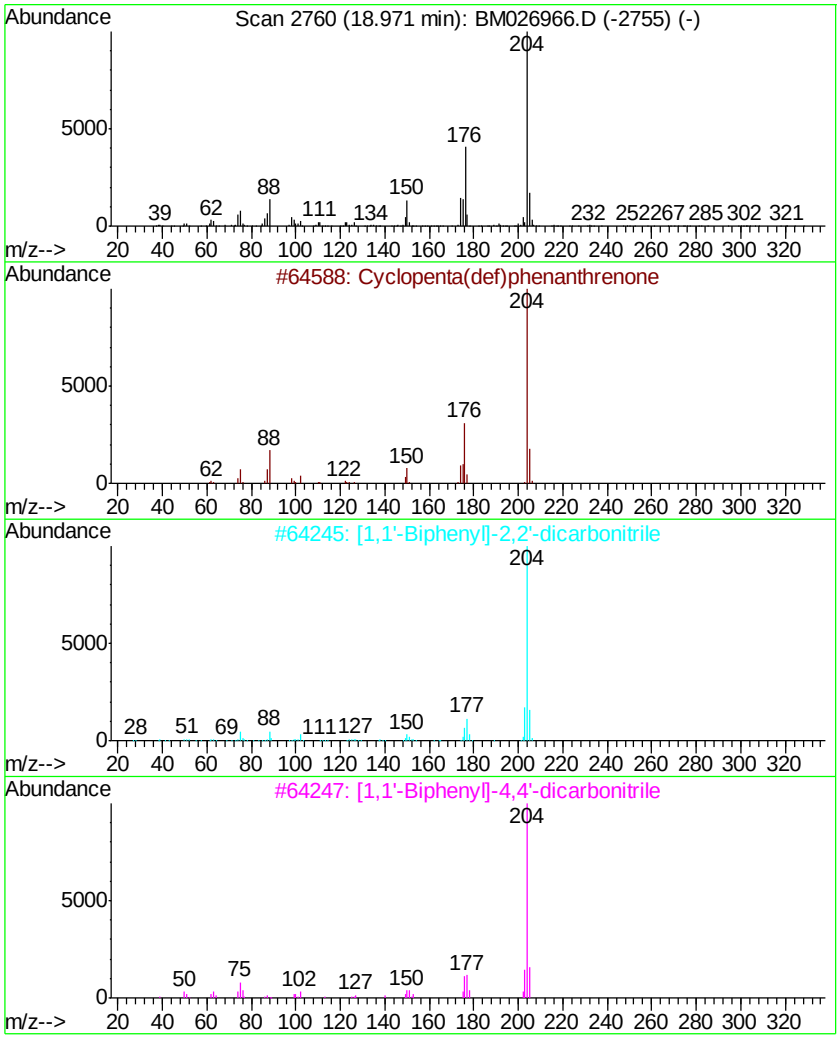
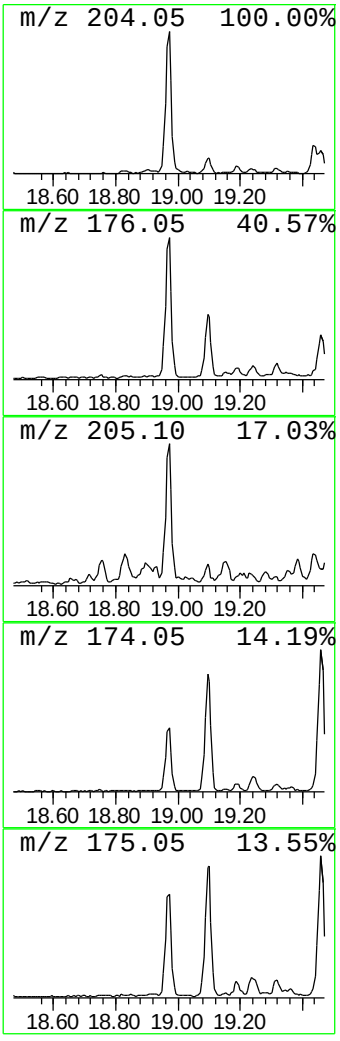
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	10.31 ng/ul	736383	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Quant Title : SVOA CALIBRATION

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

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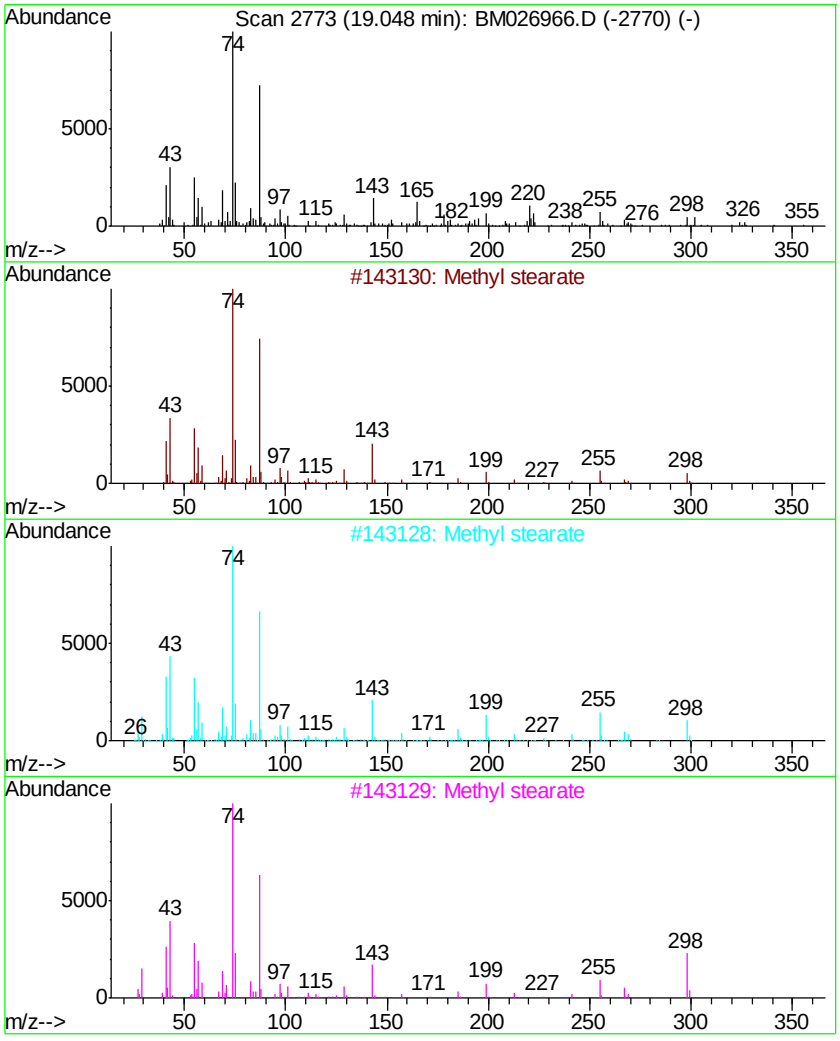
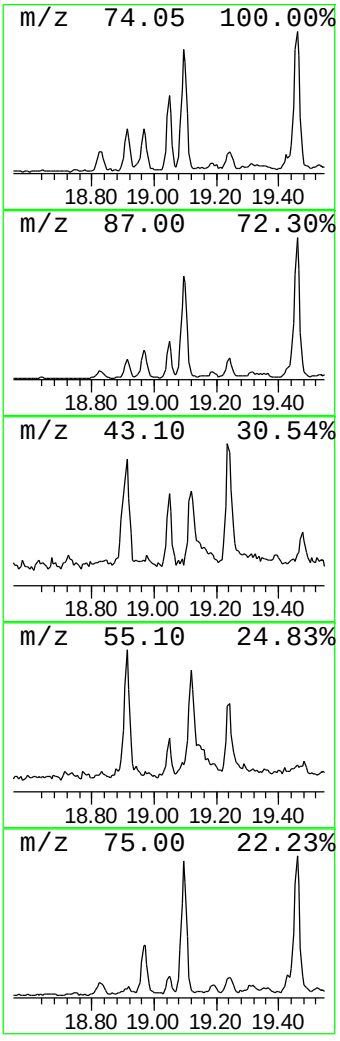
Peak Number 16 Methyl stearate Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	2.07 ng/ul	147741	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Methyl stearate	298	C19H38O2	000112-61-8	96
3	Methyl stearate	298	C19H38O2	000112-61-8	95
4	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
5	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90





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Quant Title : SVOA CALIBRATION

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

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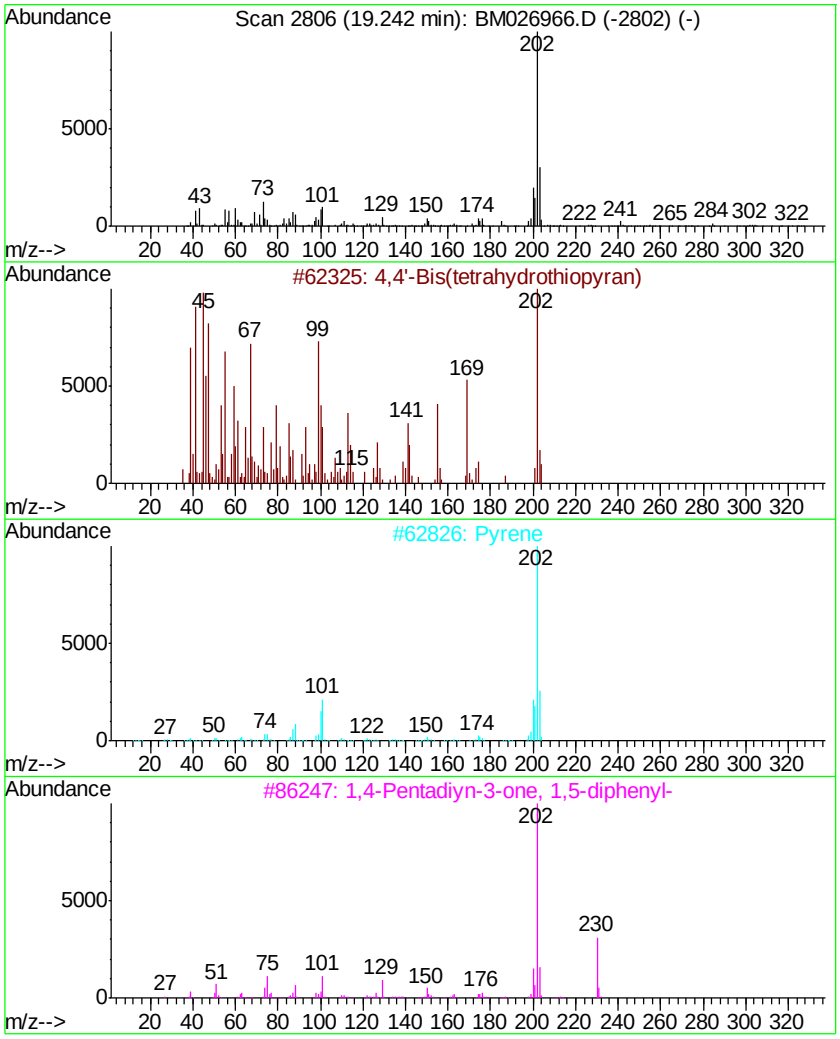
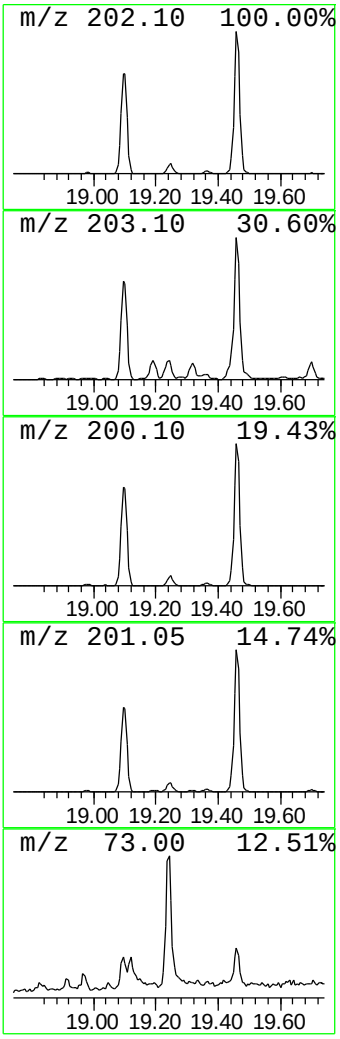
Peak Number 17 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.12 ng/ul	670599	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	89
2	Pyrene	202	C16H10	000129-00-0	68
3	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	59
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	58
5	Fluoranthene	202	C16H10	000206-44-0	58





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Sample : L3424-05 5X
Misc :
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Quant Title : SVOA CALIBRATION

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

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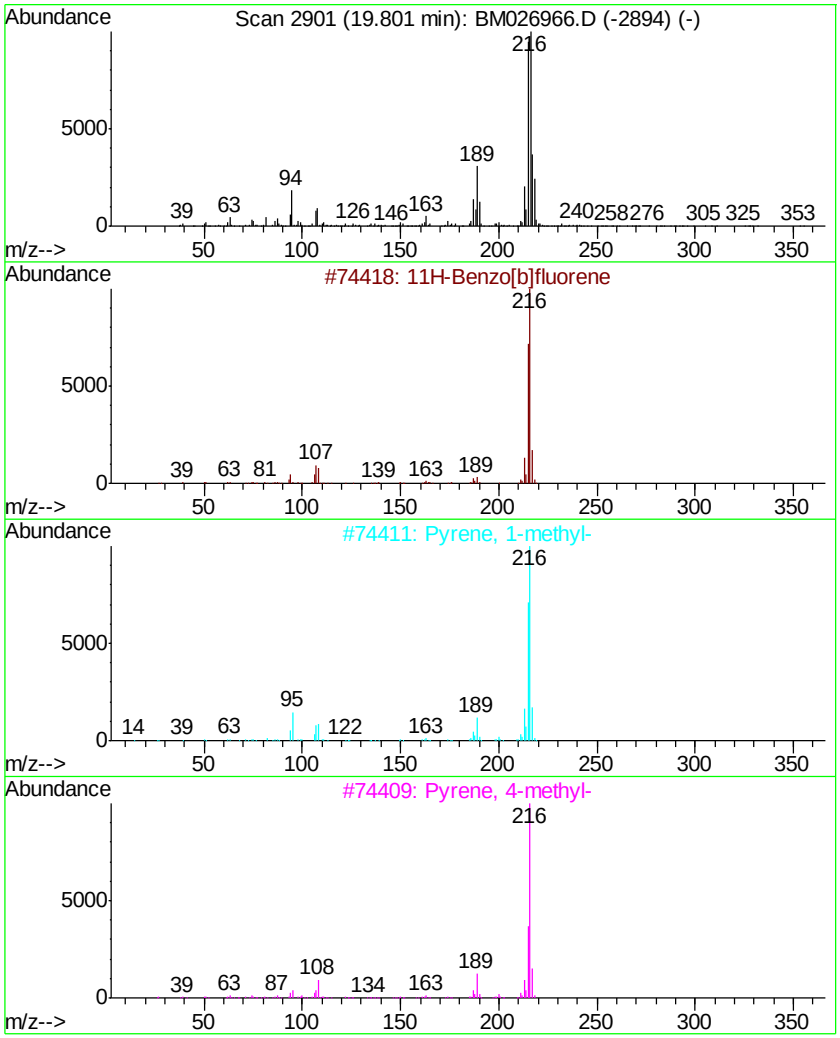
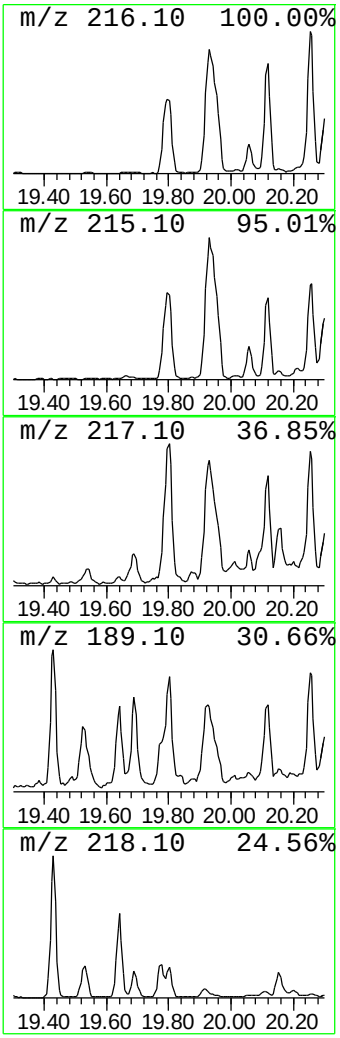
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.84 ng/ul	896806	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	62
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	59
5	3-Pyridinamine, 6-chloro-N-(phen...	216	C12H9ClN2	005325-71-3	59





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Quant Title : SVOA CALIBRATION

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

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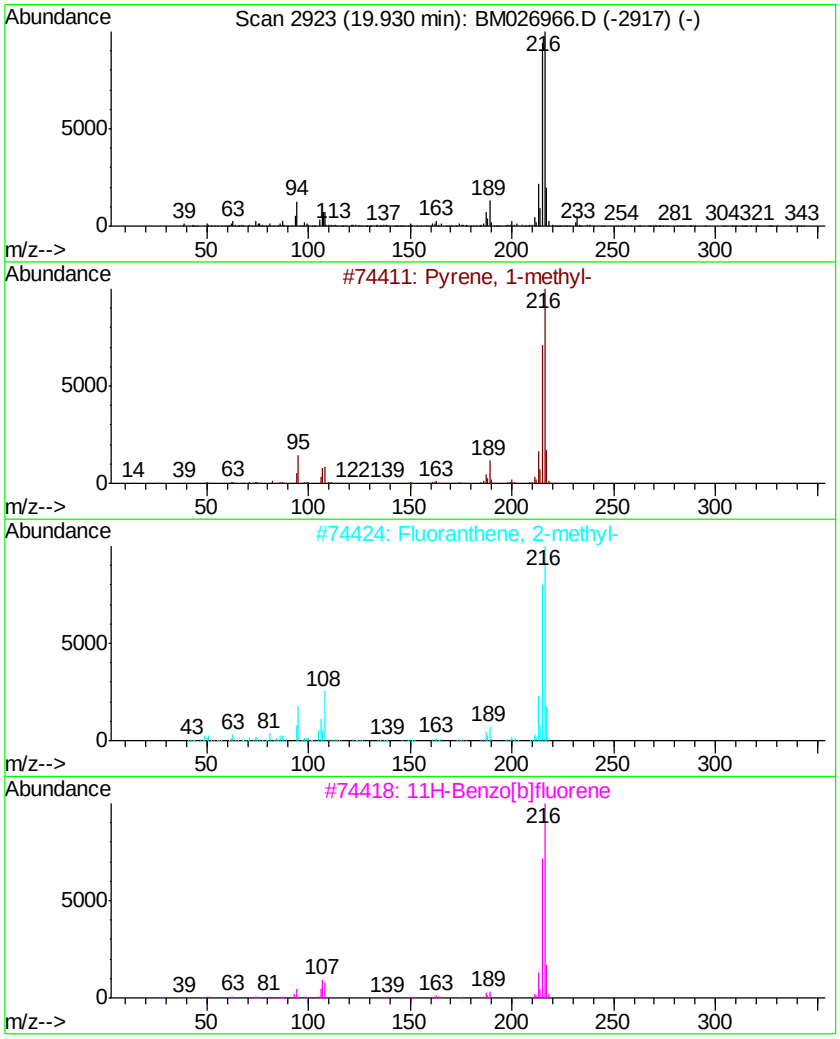
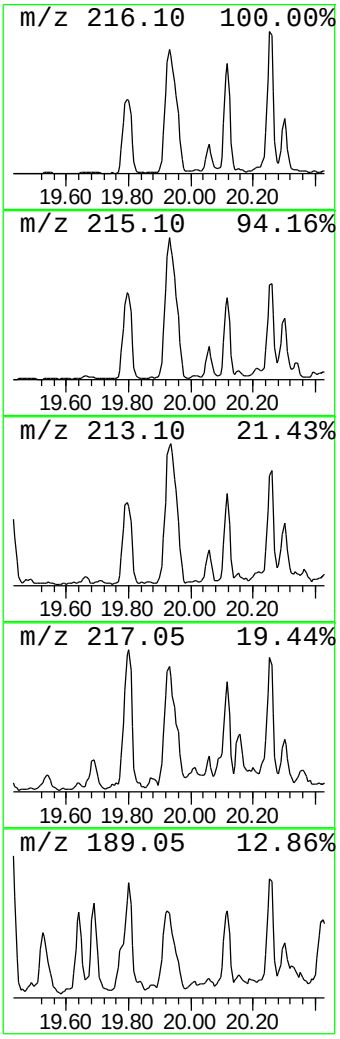
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	5.02 ng/ul	1586710	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Quant Title : SVOA CALIBRATION

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

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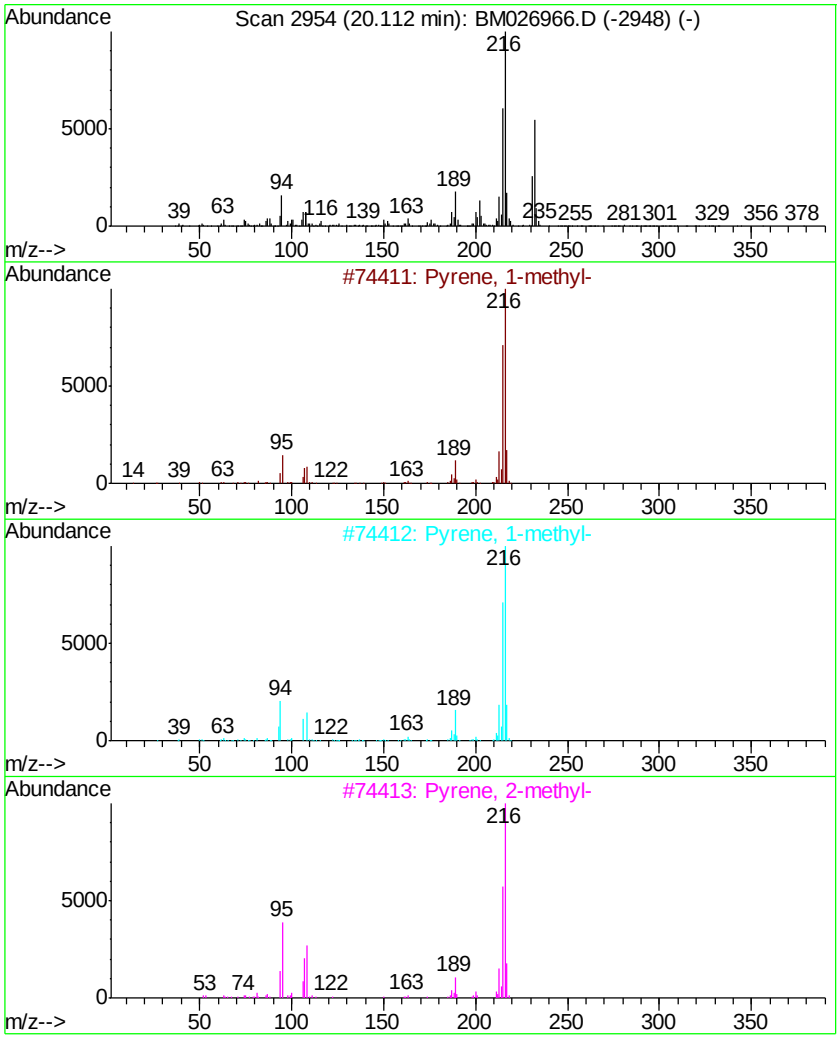
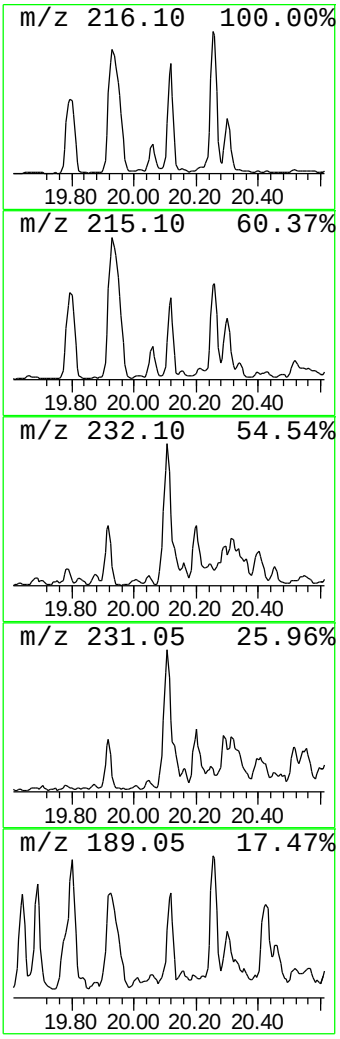
Peak Number 20 Pyrene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.96 ng/ul	935103	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	55





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ClientSampleId : C0S80

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Quant Title : SVOA CALIBRATION

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

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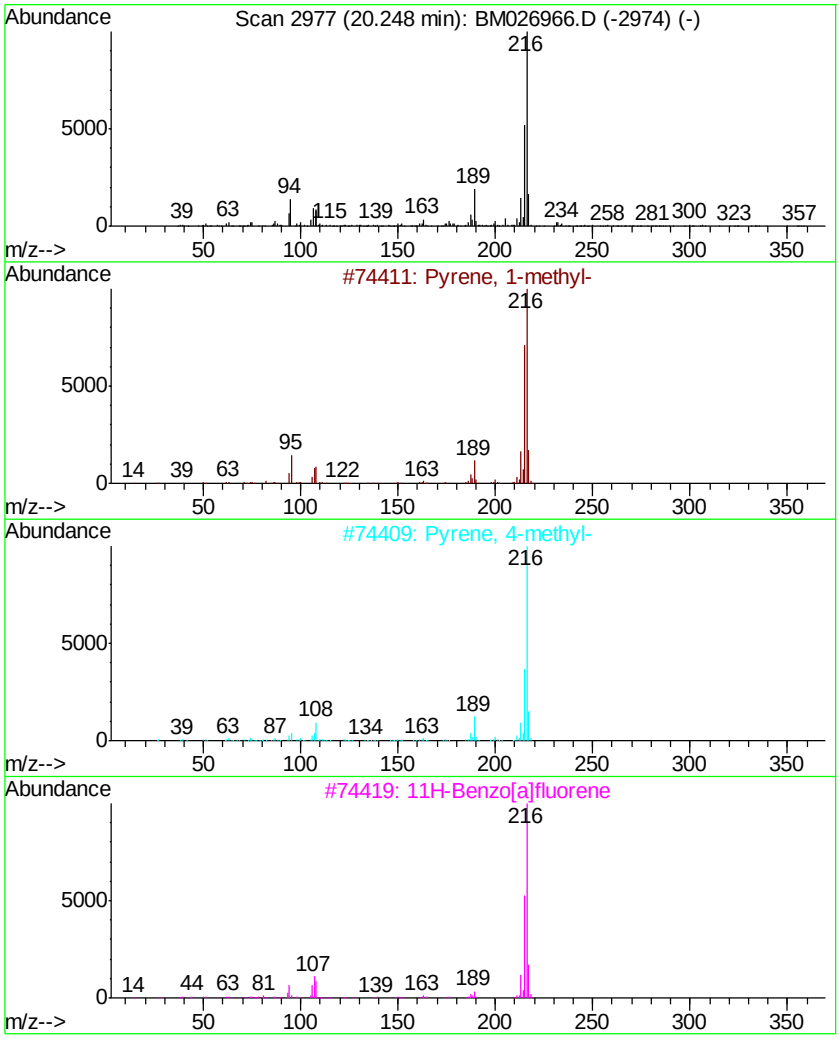
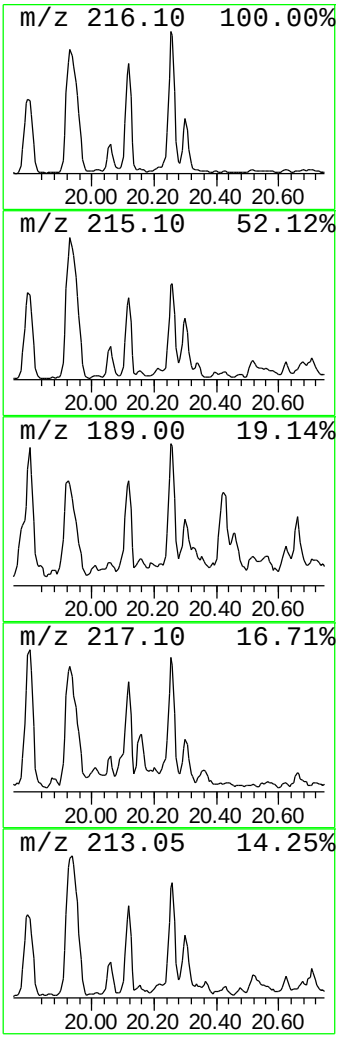
Peak Number 21 Pyrene, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.27 ng/ul	716631	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





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Quant Title : SVOA CALIBRATION

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

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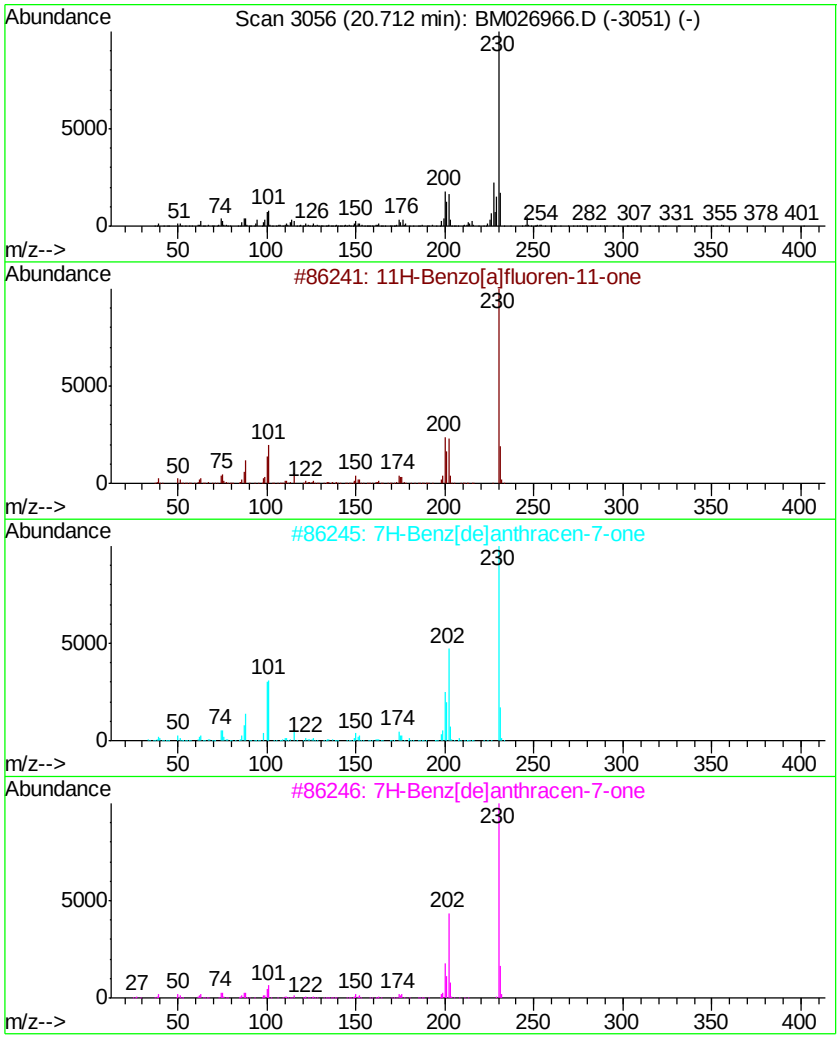
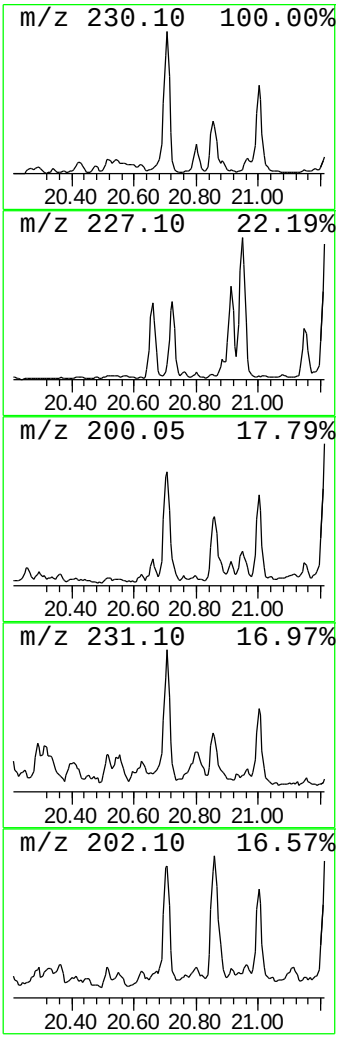
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	3.06 ng/ul	968508	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	p-Terphenyl	230	C18H14	000092-94-4	64
5	p-Terphenyl	230	C18H14	000092-94-4	62





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Instrument : BNA_M
ClientSampleId : C0S80

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Quant Title : SVOA CALIBRATION

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

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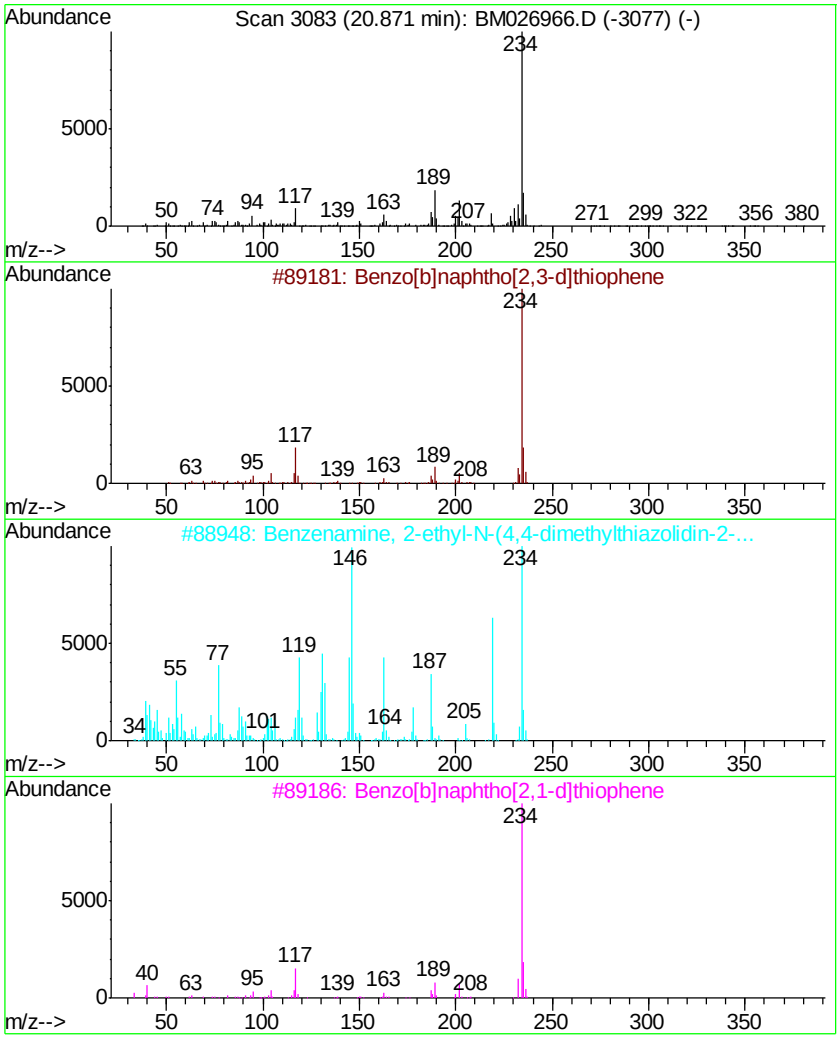
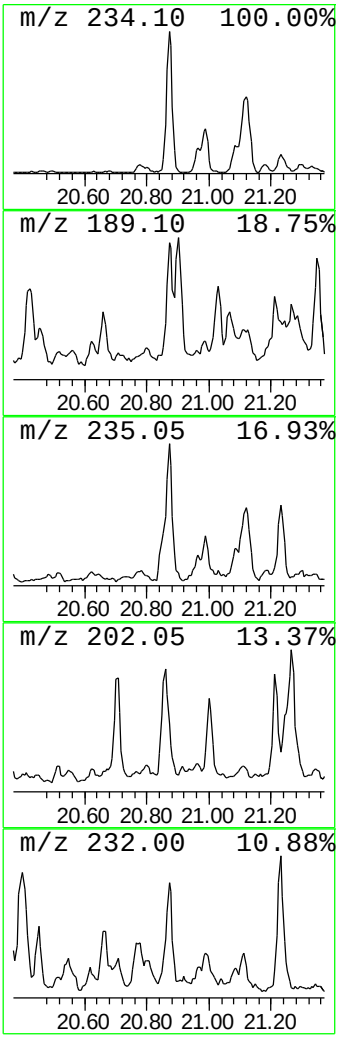
Peak Number 23 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.36 ng/ul	1063200	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	91
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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Quant Title : SVOA CALIBRATION

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

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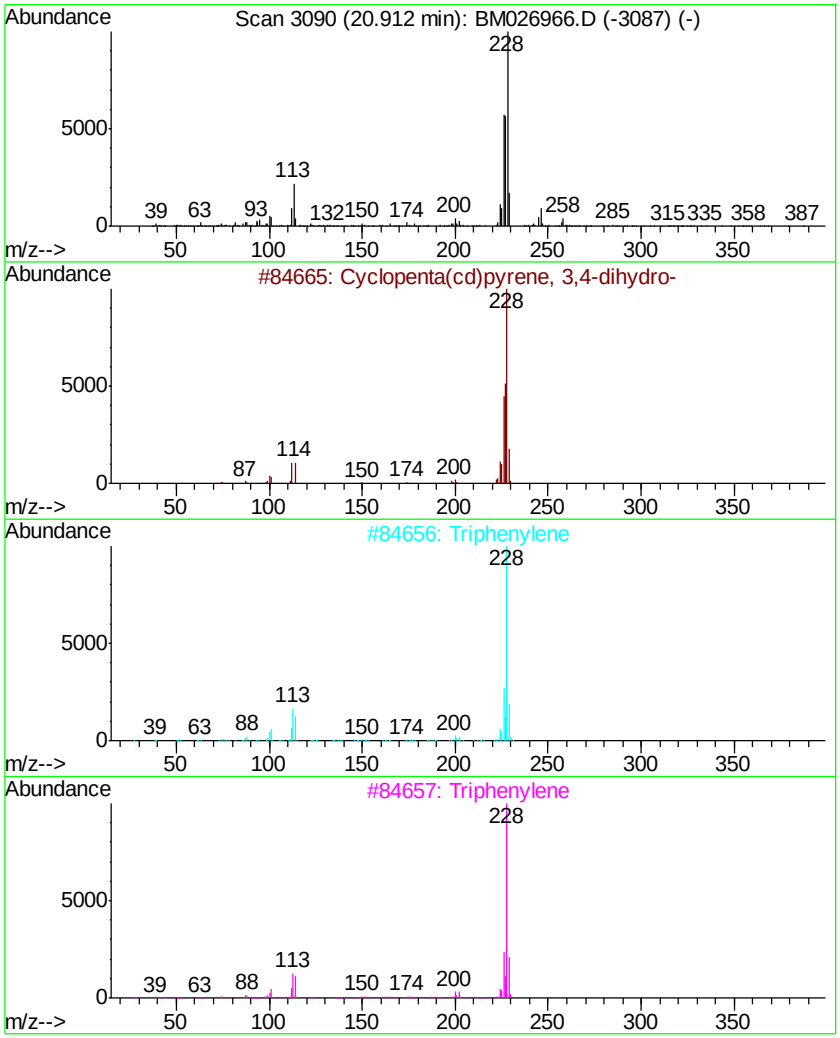
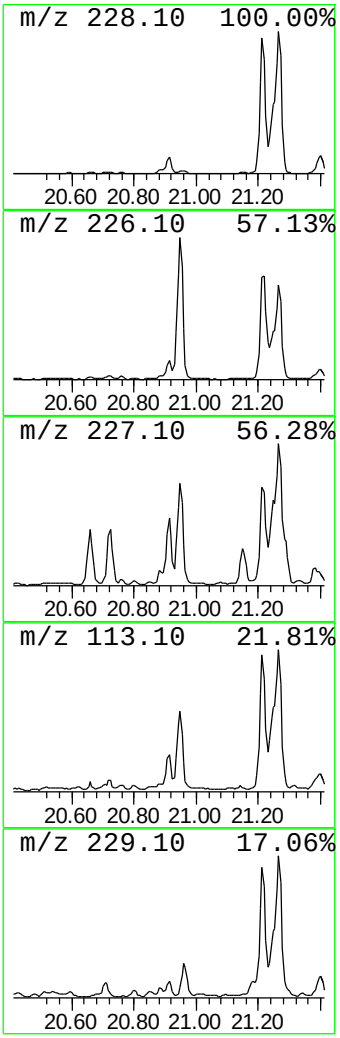
Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.11 ng/ul	668345	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	90
2	Triphenylene	228	C18H12	000217-59-4	50
3	Triphenylene	228	C18H12	000217-59-4	50
4	Chrysene	228	C18H12	000218-01-9	43
5	Triphenylene	228	C18H12	000217-59-4	43





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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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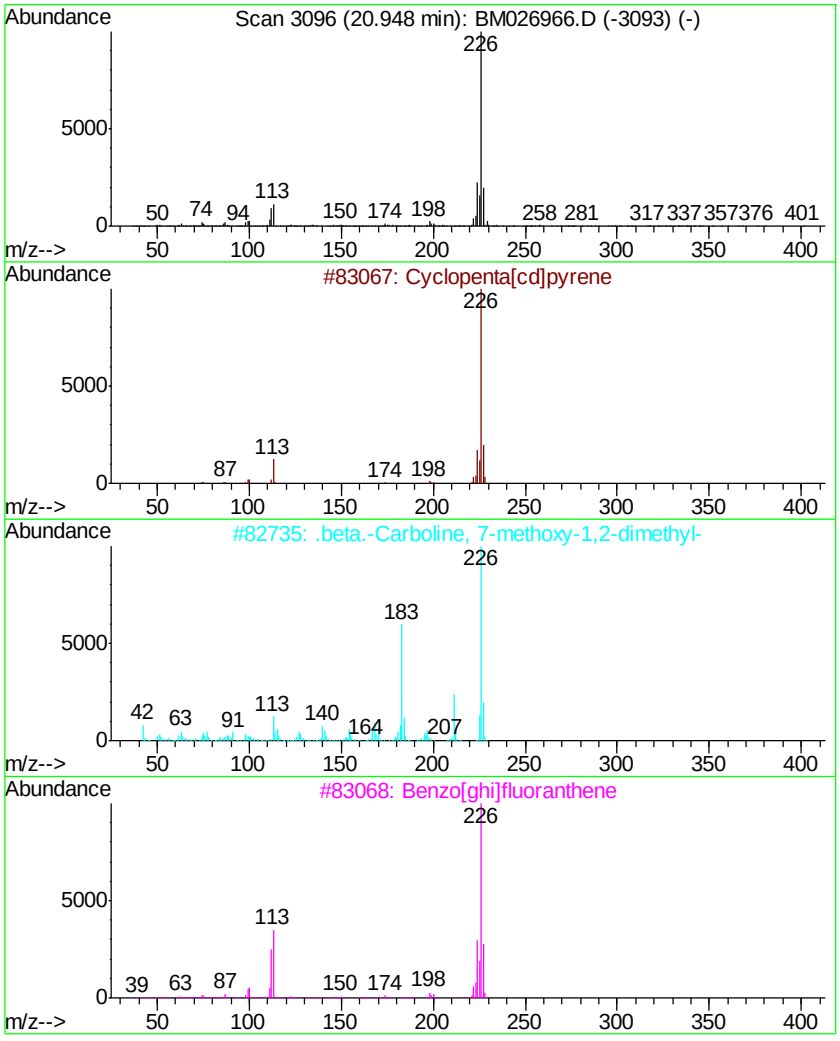
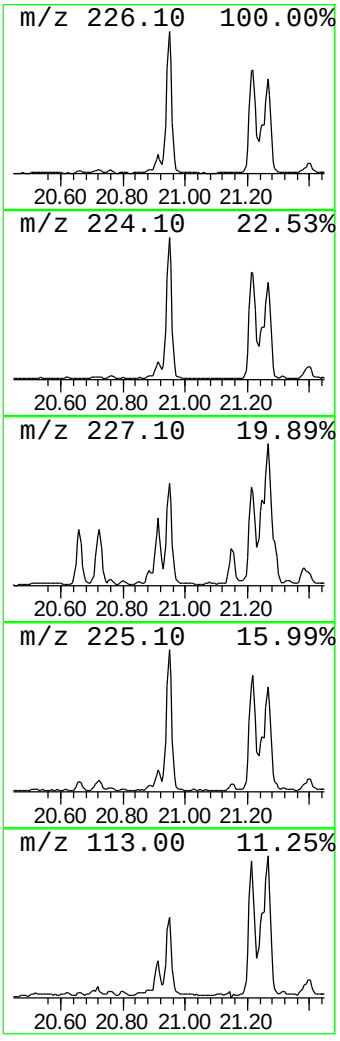
Peak Number 25 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	5.96 ng/ul	1883800	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	42
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40





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Quant Title : SVOA CALIBRATION

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

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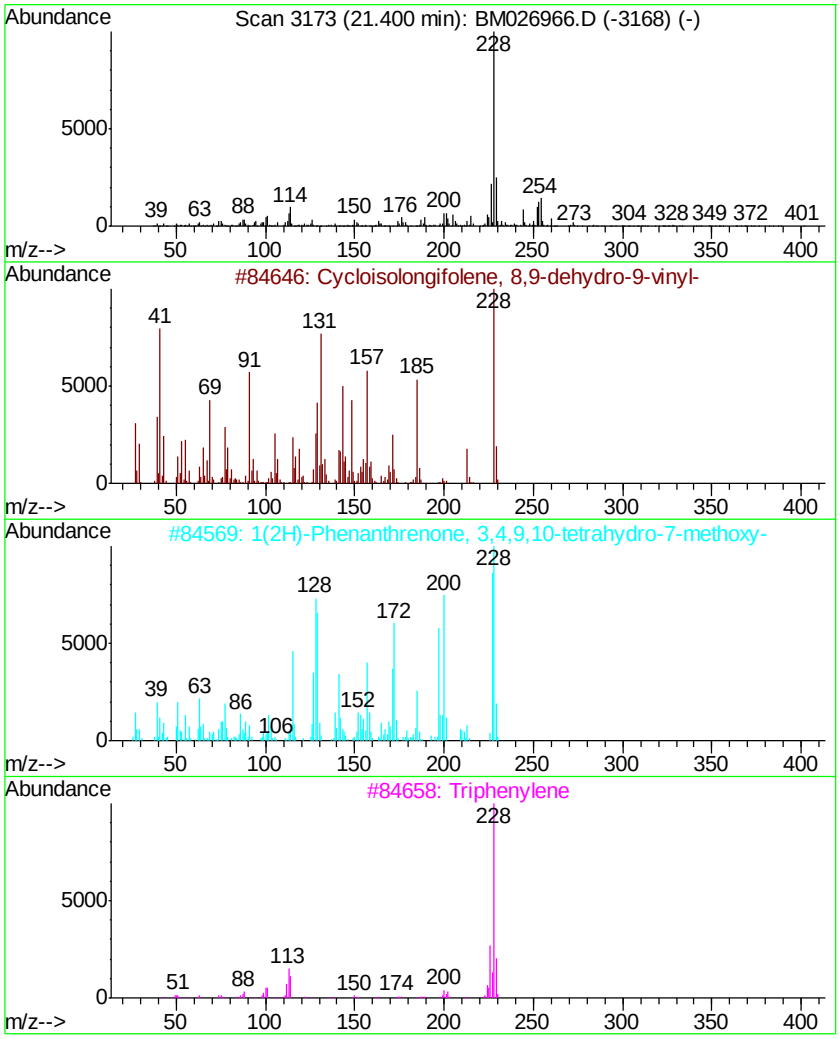
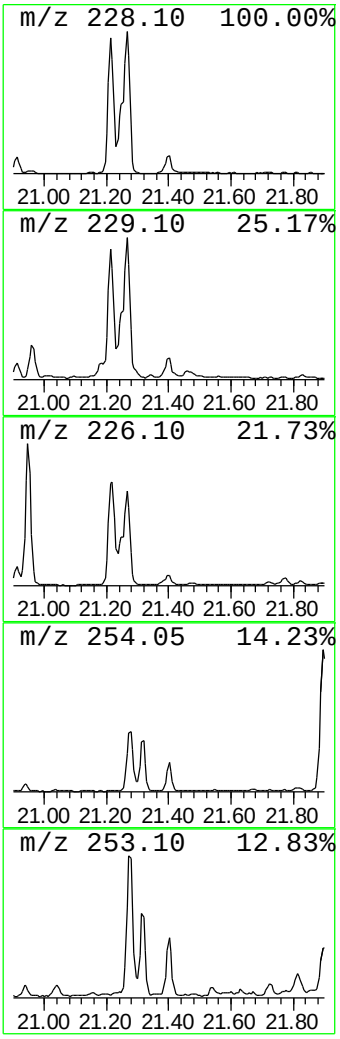
Peak Number 26 Cycloisolongifolene, 8,9-de... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	3.75 ng/ul	1186800	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	90
2	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	87
3	Triphenylene	228	C18H12	000217-59-4	78
4	Triphenylene	228	C18H12	000217-59-4	64
5	Triphenylene	228	C18H12	000217-59-4	64





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Quant Title : SVOA CALIBRATION

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

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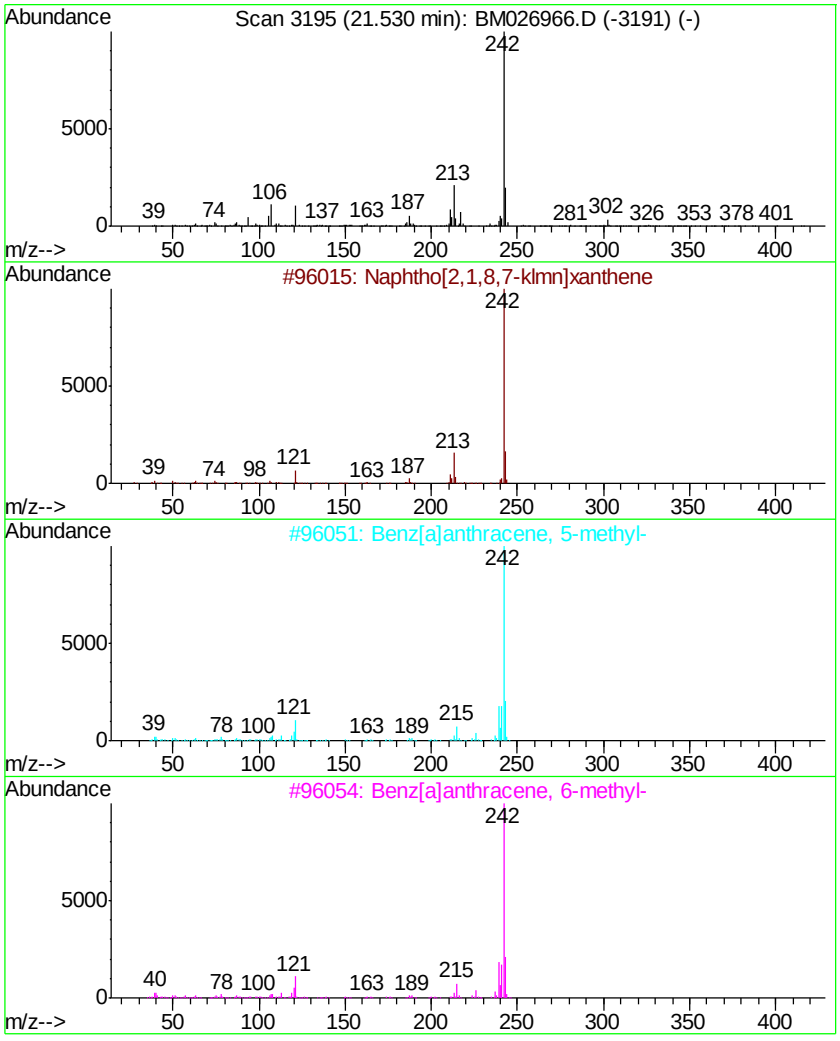
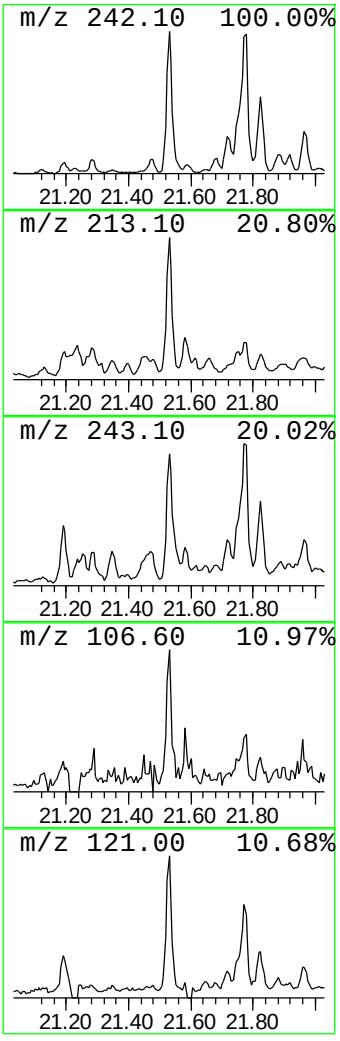
Peak Number 27 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	3.44 ng/ul	1089390	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	94
2	Benz[a]anthracene, 5-methyl-	242	C19H14	002319-96-2	64
3	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	64
4	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	59
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	59





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Quant Title : SVOA CALIBRATION

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

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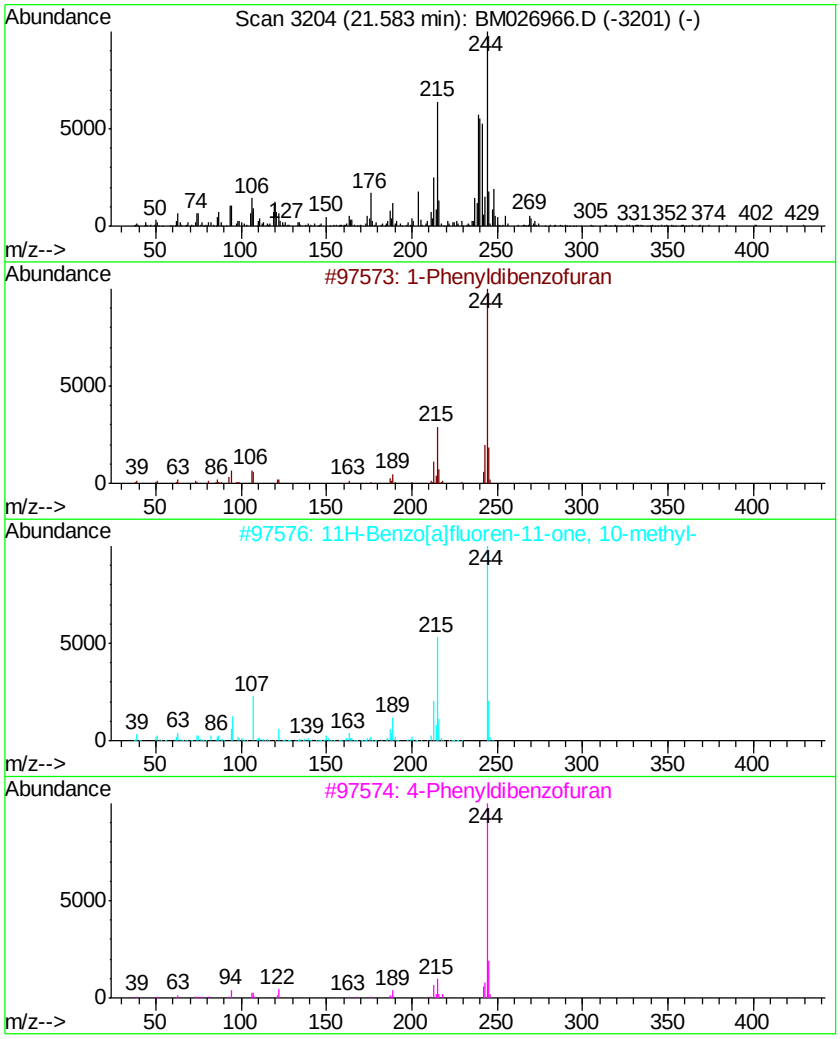
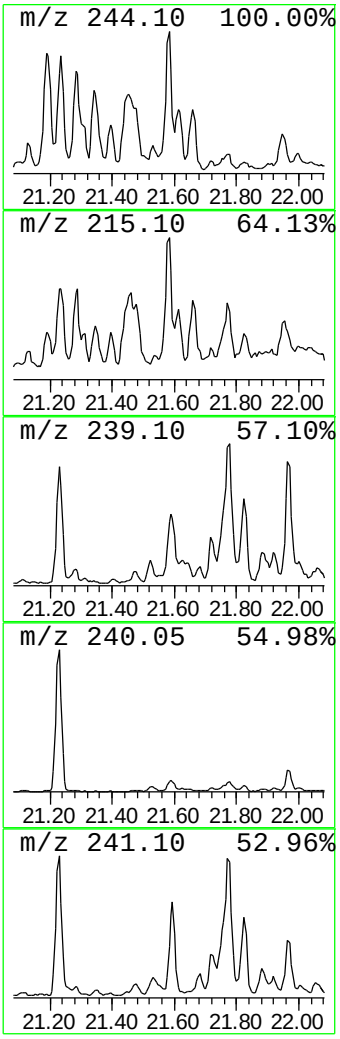
Peak Number 28 1-Phenyldibenzofuran Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.75 ng/ul	868717	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyldibenzofuran	244	C18H12O	1000314-39-4	95
2	11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	86
3	4-Phenyldibenzofuran	244	C18H12O	1000314-39-5	59
4	Dicyclooctanopyridazine	244	C16H24N2	1000150-04-6	38
5	9-Ethyl-7H-benzo[de]anthracene	244	C19H16	1000262-29-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026966.D
Acq On : 31 Jul 2020 19:54
Operator : JU/CG
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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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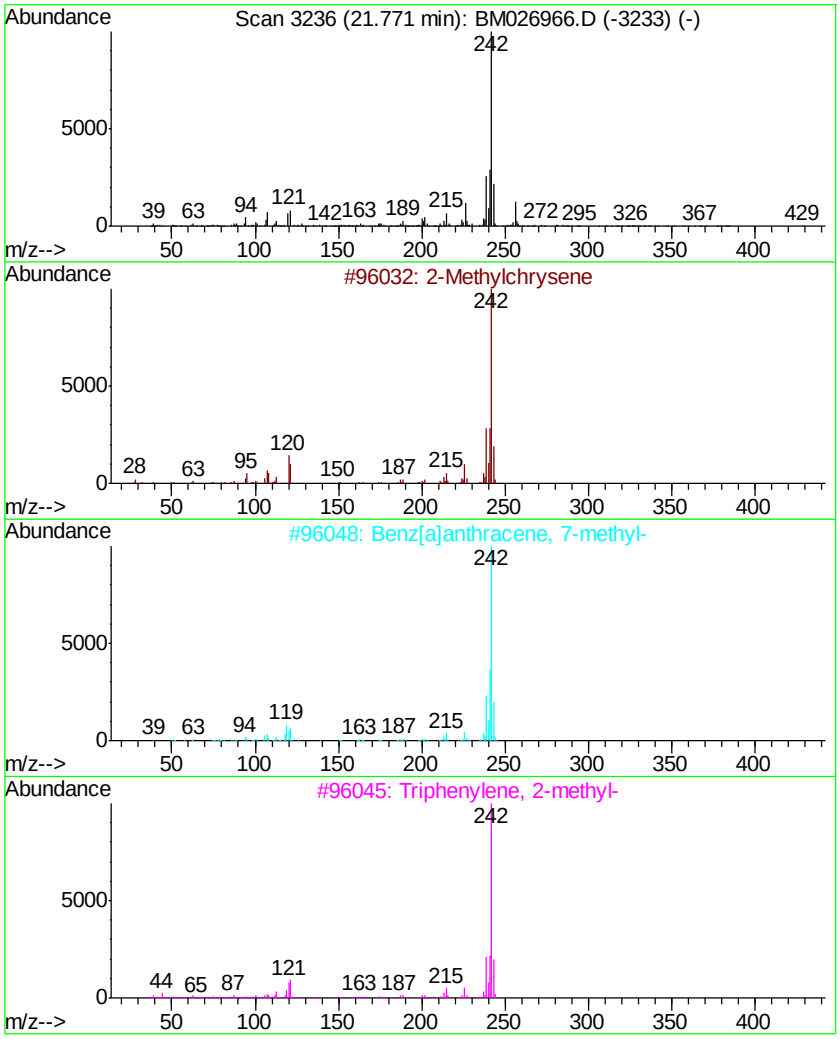
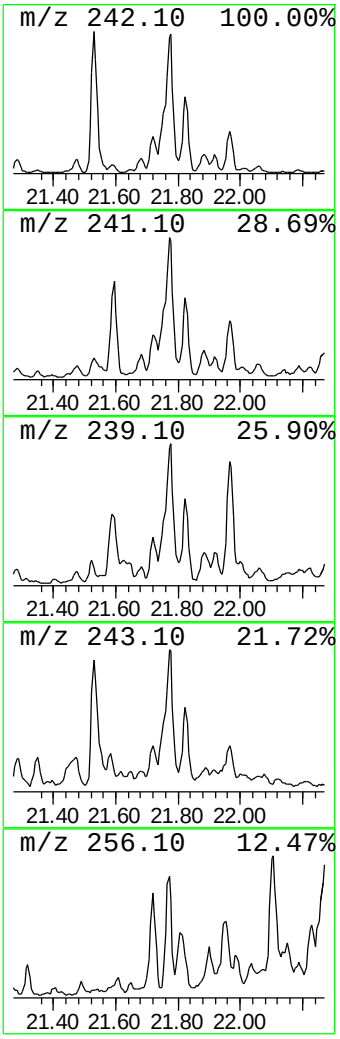
Peak Number 29 2-Methylchrysene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	3.27 ng/ul	1034280	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026966.D
Acq On : 31 Jul 2020 19:54
Operator : JU/CG
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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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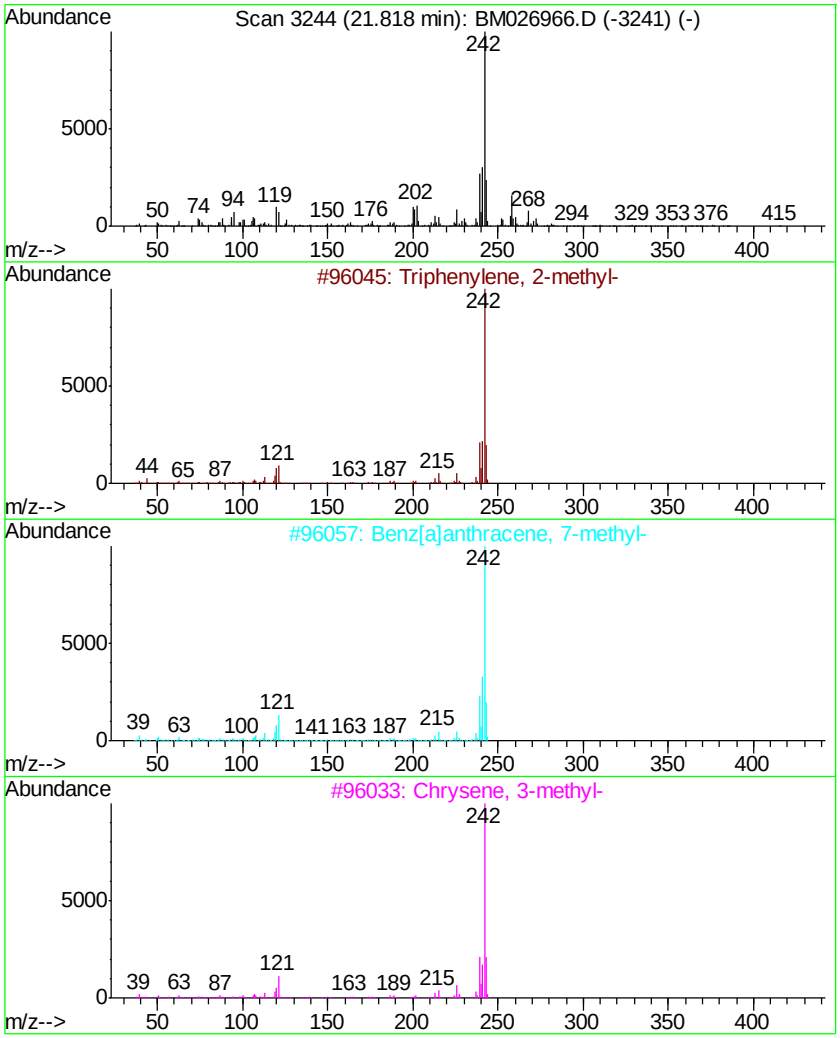
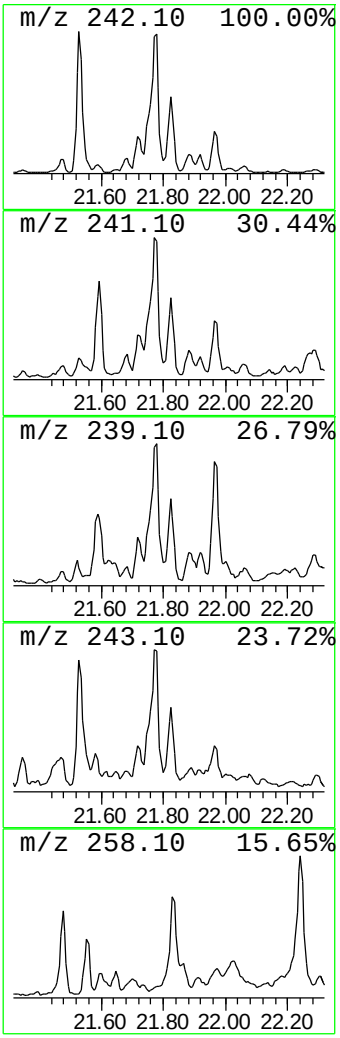
Peak Number 30 Triphenylene, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	3.09 ng/ul	977283	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	78
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	70
4	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	70
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026966.D
Acq On : 31 Jul 2020 19:54
Operator : JU/CG
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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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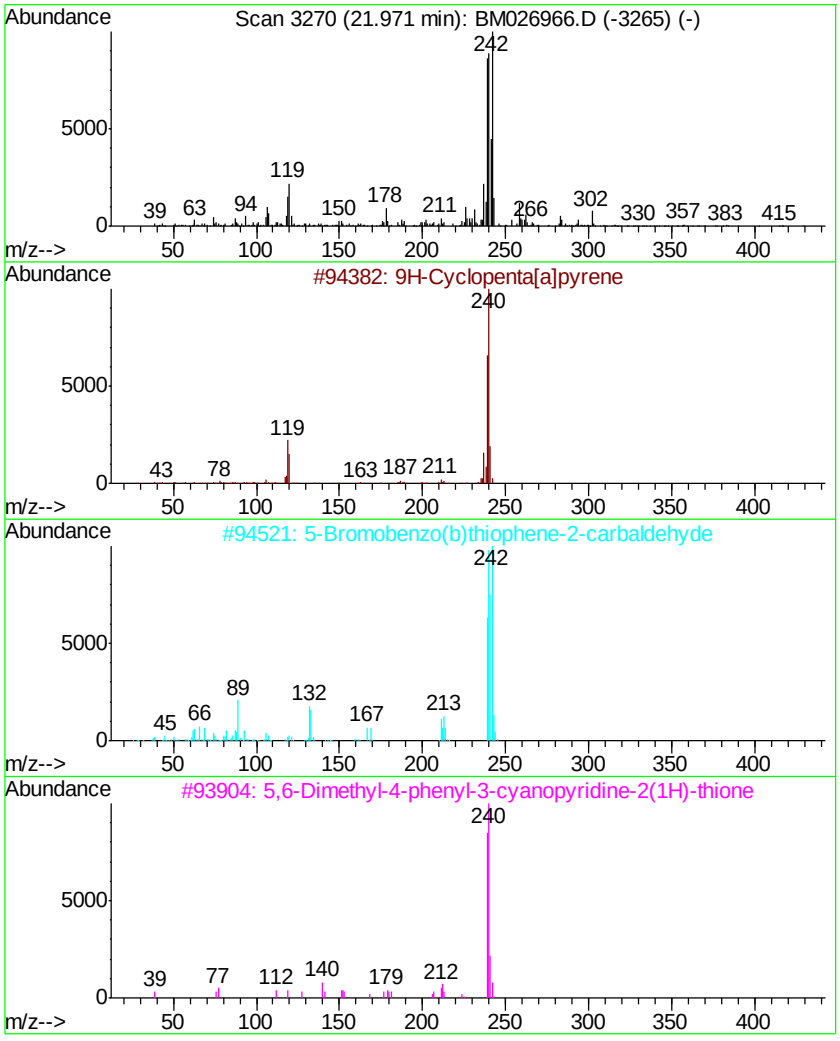
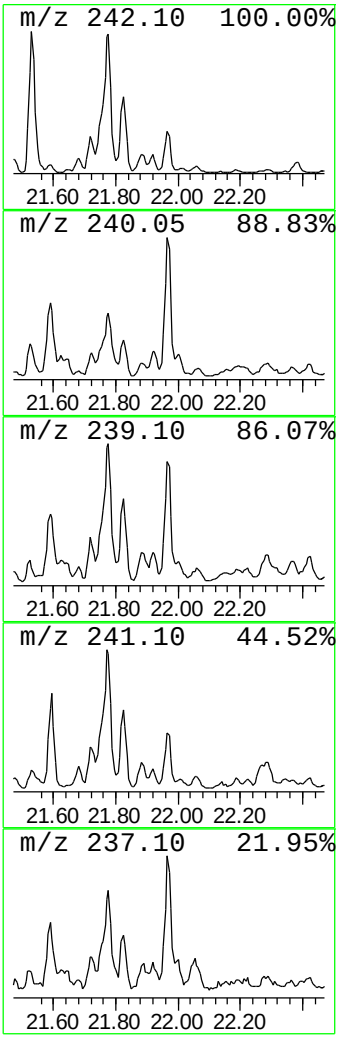
Peak Number 31 9H-Cyclopenta[a]pyrene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.06 ng/ul	652657	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	55
2	5-Bromobenzo(b)thiophene-2-carba...	240	C9H5BrOS	007312-18-7	53
3	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	43
4	2-Propen-1-one, 1-(2-hydroxyphen...	240	C15H12O3	013323-66-5	38
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM073120\
Data File : BM026966.D
Acq On : 31 Jul 2020 19:54
Operator : JU/CG
Sample : L3424-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S80

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	5.2	ng/ul	184039	1	7.66	701846	20.0
Butane, 2-methoxy...	2.98	18.9	ng/ul	662273	1	7.66	701846	20.0
Benzene, 1-propynyl-	8.20	7.8	ng/ul	272898	1	7.66	701846	20.0
Indole	11.93	3.0	ng/ul	152293	2	10.44	997126	20.0
1(2H)-Acenaphthyl...	16.01	4.2	ng/ul	302420	4	17.04	1428170	20.0
Benz[a]azulene	16.61	2.2	ng/ul	158260	4	17.04	1428170	20.0
9H-Fluoren-9-one	16.68	4.3	ng/ul	310689	4	17.04	1428170	20.0
n-Hexadecanoic acid	17.95	5.8	ng/ul	415226	4	17.04	1428170	20.0
Phenanthrene, 2-m...	18.04	4.3	ng/ul	303909	4	17.04	1428170	20.0
6H-Cyclobuta[jk]p...	18.11	5.7	ng/ul	404375	4	17.04	1428170	20.0
Anthrone	18.29	3.5	ng/ul	250181	4	17.04	1428170	20.0
9,10-Anthracenedione	18.45	3.6	ng/ul	259857	4	17.04	1428170	20.0
Naphthalic anhydride	18.83	4.0	ng/ul	283550	4	17.04	1428170	20.0
9-Octadecenoic ac...	18.91	5.4	ng/ul	382570	4	17.04	1428170	20.0
Cyclopenta(def)ph...	18.97	10.3	ng/ul	736383	4	17.04	1428170	20.0
Methyl stearate	19.05	2.1	ng/ul	147741	4	17.04	1428170	20.0
4,4'-Bis(tetrahyd...	19.24	2.1	ng/ul	670599	5	21.23	6324890	20.0
11H-Benzo[b]fluorene	19.80	2.8	ng/ul	896806	5	21.23	6324890	20.0
Pyrene, 1-methyl-	19.93	5.0	ng/ul	1586710	5	21.23	6324890	20.0
Pyrene, 2-methyl-	20.11	3.0	ng/ul	935103	5	21.23	6324890	20.0
Pyrene, 4-methyl-	20.25	2.3	ng/ul	716631	5	21.23	6324890	20.0
11H-Benzo[a]fluor...	20.71	3.1	ng/ul	968508	5	21.23	6324890	20.0
Benzo[b]naphtho[2...	20.87	3.4	ng/ul	1063200	5	21.23	6324890	20.0
Cyclopenta(cd)pyr...	20.91	2.1	ng/ul	668345	5	21.23	6324890	20.0
Cyclopenta[cd]pyrene	20.95	6.0	ng/ul	1883800	5	21.23	6324890	20.0
Cycloisolongifole...	21.40	3.8	ng/ul	1186800	5	21.23	6324890	20.0
Naphtho[2,1,8,7-k...	21.53	3.4	ng/ul	1089390	5	21.23	6324890	20.0
1-Phenyldibenzofuran	21.58	2.8	ng/ul	868717	5	21.23	6324890	20.0
2-Methylchrysene	21.77	3.3	ng/ul	1034280	5	21.23	6324890	20.0
Triphenylene, 2-m...	21.82	3.1	ng/ul	977283	5	21.23	6324890	20.0
9H-Cyclopenta[a]p...	21.97	2.1	ng/ul	652657	5	21.23	6324890	20.0