LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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	129404	208383	1.19%	0.192%
2	2.978	36	41	53	rVB	560235	715148	4.08%	0.660%
3	6.831	690	696	706	rBV	83242	137606	0.79%	0.127%
4	7.001	719	725	734	rBV	61581	98437	0.56%	0.091%
5	7.201	753	759	764	rBV	80890	129709	0.74%	0.120%
6	7.660	830	837	846	rVB	429671	656890	3.75%	0.607%
7	8.195	921	928	935	rBV2	53910	94815	0.54%	0.088%
8	8.360	948	956	963	rVB	97909	151964	0.87%	0.140%
9	8.801	1022	1031	1037	rVB	73968	126042	0.72%	0.116%
10	9.519	1147	1153	1159	rBV2	57783	92746	0.53%	0.086%
11	10.054	1238	1244	1251	rVB	100565	163680	0.93%	0.151%
12	10.431	1301	1308	1314	rBV	537309	925086	5.28%	0.854%
13	10.483	1314	1317	1325	rVB	77519	121819	0.70%	0.112%
14	10.566	1325	1331	1341	rBV2	42626	82797	0.47%	0.076%
15	11.930	1552	1563	1571	rBV	41560	98930	0.56%	0.091%
16	13.577	1838	1843	1847	rVV3	55287	86423	0.49%	0.080%
17	13.707	1859	1865	1869	rVV	157719	228429	1.30%	0.211%
18	13.748	1869	1872	1879	rVV2	71417	102819	0.59%	0.095%
19	13.983	1906	1912	1913	rBV	181749	247217	1.41%	0.228%
20	14.007	1913	1916	1927	rVV	344284	583416	3.33%	0.539%
21	14.295	1958	1965	1970	rBV	792202	1185583	6.77%	1.095%
22	14.483	1991	1997	2002	rBV	77722	123152	0.70%	0.114%
23	14.695	2027	2033	2037	rBV	85385	132983	0.76%	0.123%
24	15.289	2127	2134	2139	rBV	231752	333797	1.91%	0.308%
25	15.589	2181	2185	2190	rVV	99569	143215	0.82%	0.132%
26	16.013	2251	2257	2264	rBV2	65595	127982	0.73%	0.118%
27	16.683	2367	2371	2381	rVB	98669	159751	0.91%	0.148%
28	17.036	2425	2431	2435	rVV	993445	1400067	8.00%	1.293%
29	17.071	2435	2437	2443	rVV	396231	533539	3.05%	0.493%
30	17.130	2443	2447	2449	rVV	262271	348907	1.99%	0.322%
31	17.165	2449	2453	2459	rVV	644912	947745	5.41%	0.875%
32	17.224	2459	2463	2472	rVB3	56871	109531	0.63%	0.101%
33	17.430	2489	2498	2504	rBV2	170116	352317	2.01%	0.325%
34	17.954	2583	2587	2595	rVB3	175059	271144	1.55%	0.250%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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	18.036	2595	2601	2606	rBV	107312	170580	0.97%	0.158%
36	18.107	2607	2613	2617	rBV3	137192	266434	1.52%	0.246%
37	18.295	2642	2645	2651	rVB2	92700	135451	0.77%	0.125%
38	18.412	2662	2665	2667	rVV	75381	98039	0.56%	0.091%
39	18.448	2667	2671	2678	rVB	246409	354659	2.03%	0.327%
40	18.830	2732	2736	2742	rBV3	149834	251827	1.44%	0.233%
41	18.901	2744	2748	2750	rBV3	58143	85624	0.49%	0.079%
42	18.971	2755	2760	2767	rVB	462497	658296	3.76%	0.608%
43	19.101	2776	2782	2787	rVB	4300682	5739983	32.78%	5.300%
44	19.189	2794	2797	2802	rVB	256094	340903	1.95%	0.315%
45	19.242	2802	2806	2811	rBV2	188274	270171	1.54%	0.249%
46	19.318	2816	2819	2826	rVB2	164694	322484	1.84%	0.298%
47	19.430	2833	2838	2839	rBV	893272	1039515	5.94%	0.960%
48	19.459	2839	2843	2851	rVV	5548674	7415799	42.35%	6.847%
49	19.530	2851	2855	2862	rVB2	136425	257499	1.47%	0.238%
50	19.642	2869	2874	2879	rBV	280382	414814	2.37%	0.383%
51	19.695	2879	2883	2890	rVB	437018	667169	3.81%	0.616%
52	19.801	2893	2901	2905	rBV3	418173	889811	5.08%	0.822%
53	19.924	2917	2922	2933	rVB3	585882	1642388	9.38%	1.516%
54	20.053	2941	2944	2948	rVB	186268	221876	1.27%	0.205%
55	20.112	2948	2954	2958	rBV2	566938	959468	5.48%	0.886%
56	20.153	2958	2961	2965	rVB2	204355	248238	1.42%	0.229%
57	20.201	2965	2969	2974	rBV	107681	176284	1.01%	0.163%
58	20.253	2974	2978	2982	rBV	465036	619757	3.54%	0.572%
59	20.301	2982	2986	2987	rVV2	277609	361044	2.06%	0.333%
60	20.324	2987	2990	2994	rVV2	412646	638264	3.65%	0.589%
61	20.365	2994	2997	3003	rVB	306691	363954	2.08%	0.336%
62	20.518	3019	3023	3026	rBV4	181153	294853	1.68%	0.272%
63	20.624	3038	3041	3044	rBV2	124049	131856	0.75%	0.122%
64	20.659	3044	3047	3051	rVV2	108117	176519	1.01%	0.163%
65	20.706	3051	3055	3061	rVB2	716680	1010713	5.77%	0.933%
66	20.871	3077	3083	3086	rBV2	577678	1083347	6.19%	1.000%
67	20.912	3086	3090	3093	rVV2	637107	837964	4.79%	0.774%
68	20.948	3093	3096	3101	rVV2	1204038	1918677	10.96%	1.772%
69	21.000	3101	3105	3109	rVB2	490075	626637	3.58%	0.579%
70	21.212	3132	3141	3145	rBV2	3504586	6518610	37.23%	6.019%
71	21.265	3147	3150	3157	rVB	4137185	5363911	30.63%	4.953%

LSC Area Percent Report

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Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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

72	21.348	3161	3164	3167	rVB	178397	193847	1.11%	0.179%
73	21.400	3167	3173	3176	rBV4	430652	785285	4.48%	0.725%
74	21.530	3191	3195	3200	rBV3	522872	881303	5.03%	0.814%
75	21.583	3201	3204	3212	rVB3	367861	660381	3.77%	0.610%
76	21.724	3224	3228	3230	rBV4	202275	288225	1.65%	0.266%
77	21.771	3233	3236	3241	rVB	593950	828314	4.73%	0.765%
78	21.830	3241	3246	3253	rVB3	748050	1165665	6.66%	1.076%
79	21.895	3254	3257	3263	rVB2	305889	451246	2.58%	0.417%
80	21.965	3265	3269	3272	rBV	376806	543863	3.11%	0.502%
81	22.071	3283	3287	3292	rVB	289842	438695	2.51%	0.405%
82	22.236	3311	3315	3320	rBV	329932	471161	2.69%	0.435%
83	22.400	3340	3343	3350	rVB2	321818	547735	3.13%	0.506%
84	22.518	3358	3363	3377	rVB3	626349	1823064	10.41%	1.683%
85	22.647	3379	3385	3391	rBV2	676199	1263412	7.22%	1.167%
86	22.800	3401	3411	3415	rBV2	7218254	17510239	100.00%	16.168%
87	22.894	3424	3427	3432	rVB	295399	429879	2.46%	0.397%
88	22.953	3432	3437	3447	rBV	717064	1152348	6.58%	1.064%
89	23.083	3453	3459	3469	rBV	468570	1203531	6.87%	1.111%
90	23.259	3483	3489	3495	rVB	2950135	5120791	29.24%	4.728%
91	23.353	3499	3505	3511	rVB	2416432	4235417	24.19%	3.911%
92	23.441	3513	3520	3524	rBV2	733188	1464520	8.36%	1.352%
93	23.489	3524	3528	3536	rVB3	563936	1294979	7.40%	1.196%
94	24.012	3615	3617	3624	rVB	288793	429579	2.45%	0.397%
95	24.983	3777	3782	3787	rBV2	218210	413017	2.36%	0.381%
96	25.118	3798	3805	3815	rVB2	516858	1443957	8.25%	1.333%
97	25.418	3851	3856	3866	rVB	605297	1380051	7.88%	1.274%
98	25.665	3887	3898	3907	rVB	2229168	6164860	35.21%	5.692%
99	26.324	4003	4010	4023	rVB	461247	1416496	8.09%	1.308%
100	26.465	4030	4034	4046	rVB	196747	505519	2.89%	0.467%

Sum of corrected areas: 108302866

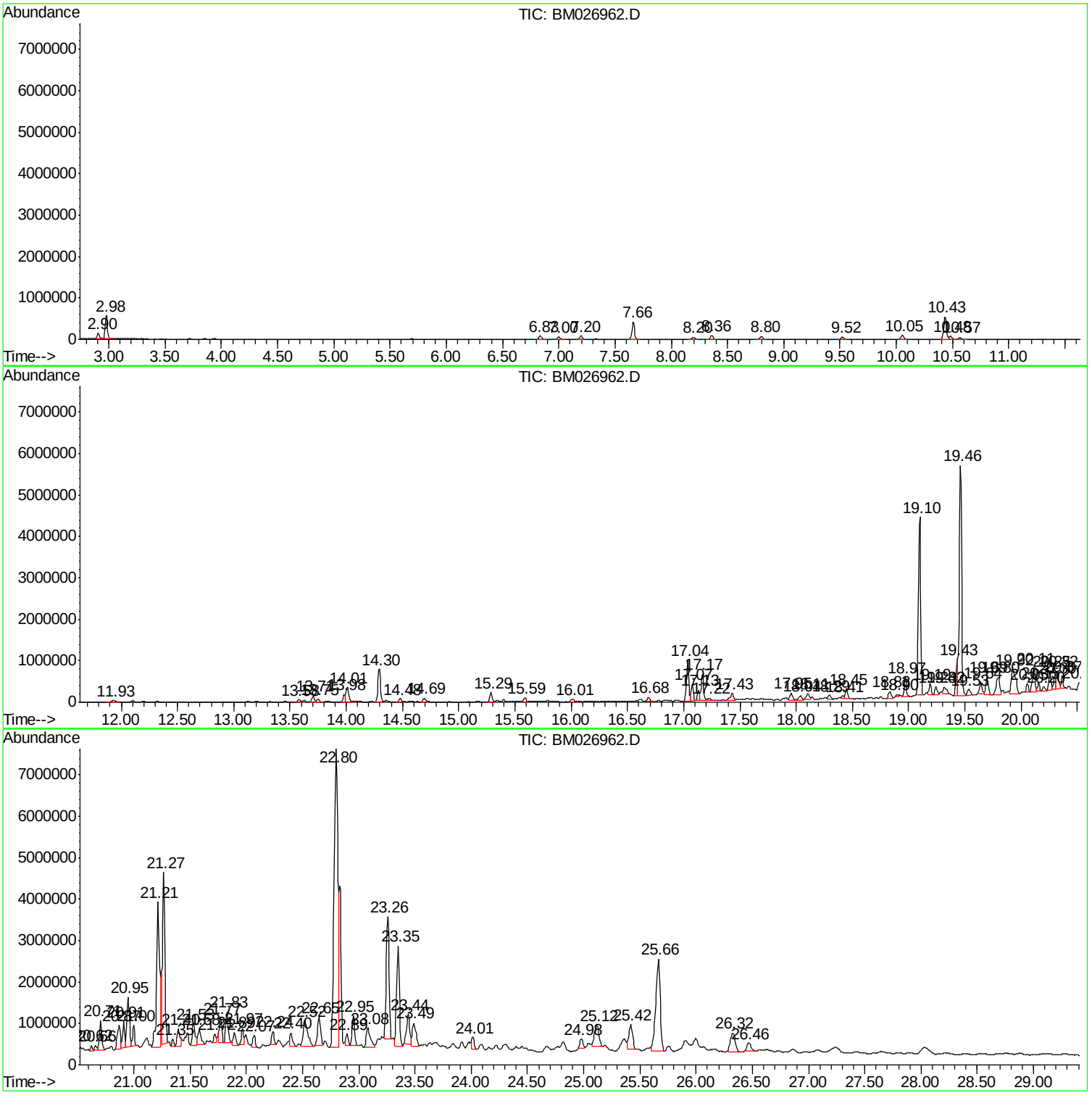
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
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Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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

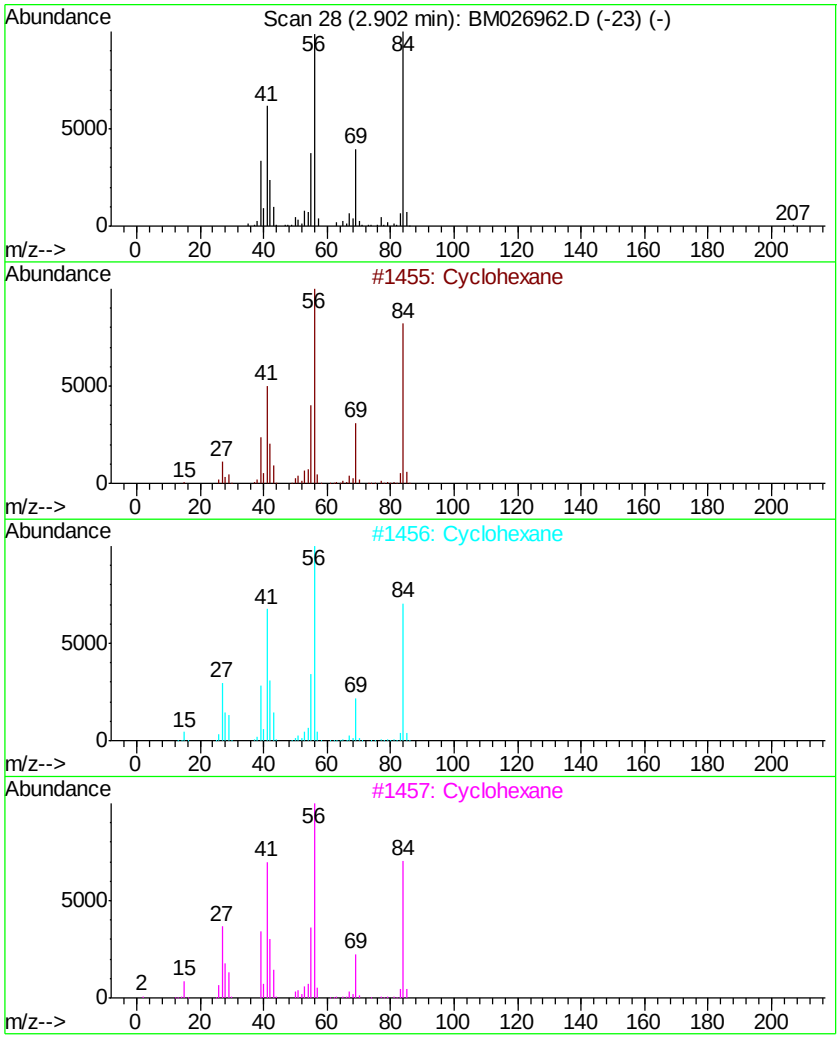
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

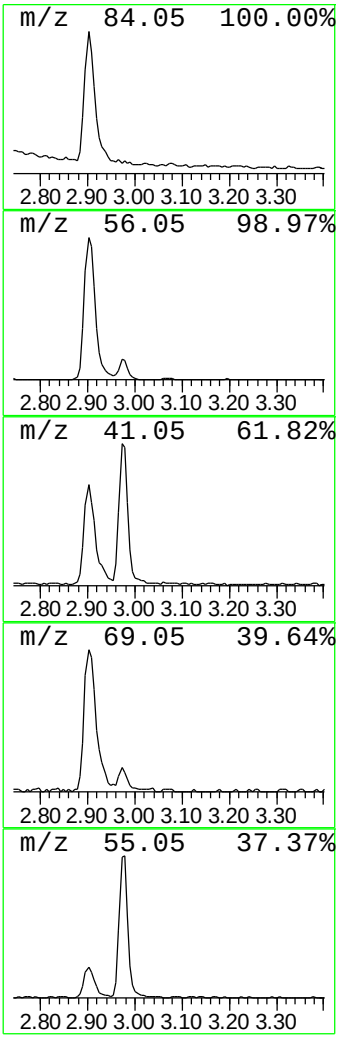
****

Peak Number 1 (DEL) Alkane: Cyclic2.90 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	6.34 ng/ul	208383	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	90
2	Cyclohexane	84	C6H12	000110-82-7	86
3	Cyclohexane	84	C6H12	000110-82-7	86
4	Cyclohexane	84	C6H12	000110-82-7	83
5	Pyridine-D5-	84	C5D5N	007291-22-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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

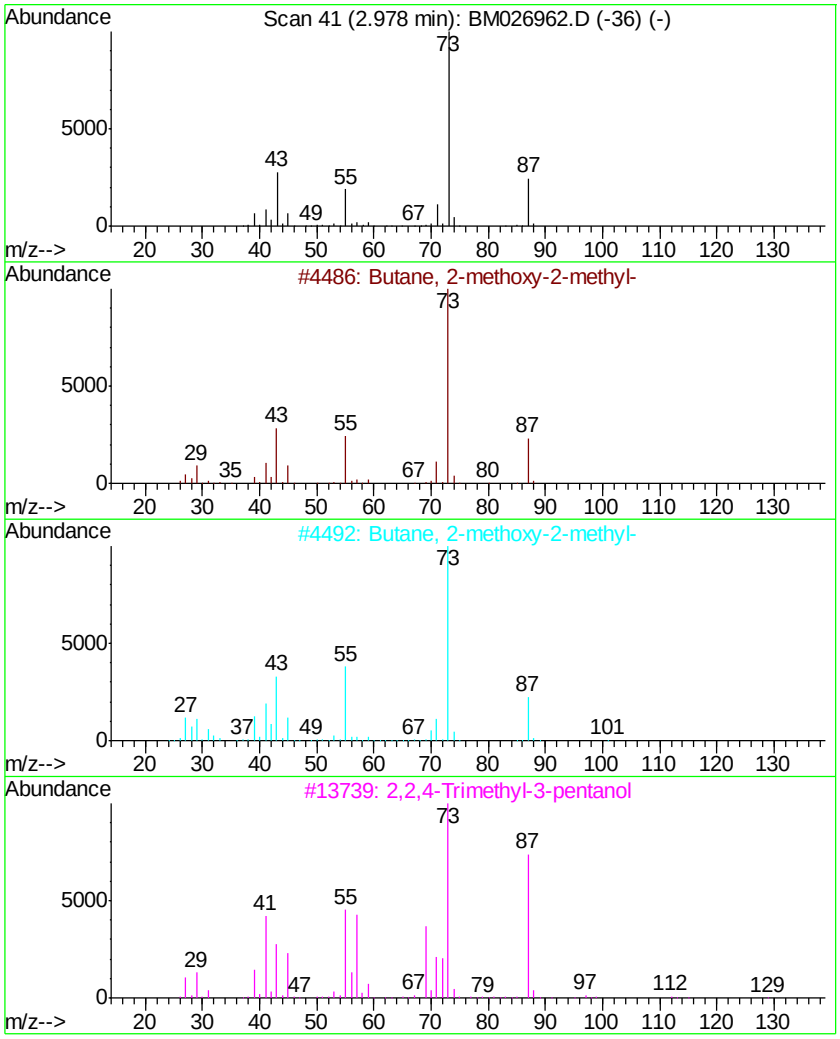
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

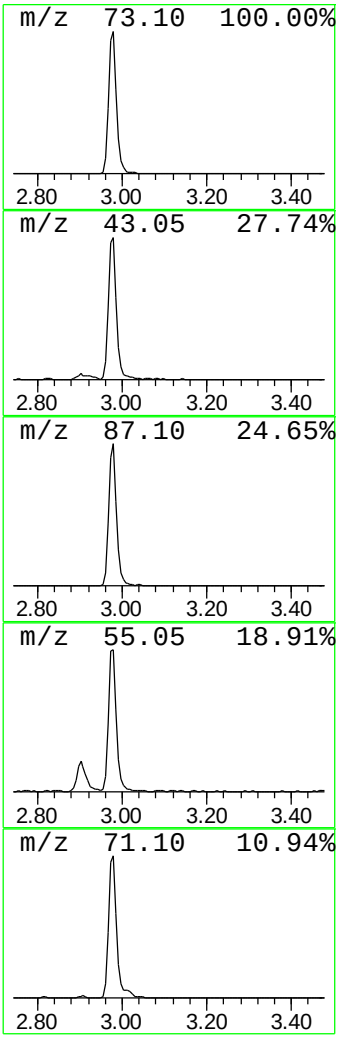
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	21.77 ng/ul	715148	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	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	64
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
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Instrument : BNA_M
ClientSampleId : C0S82

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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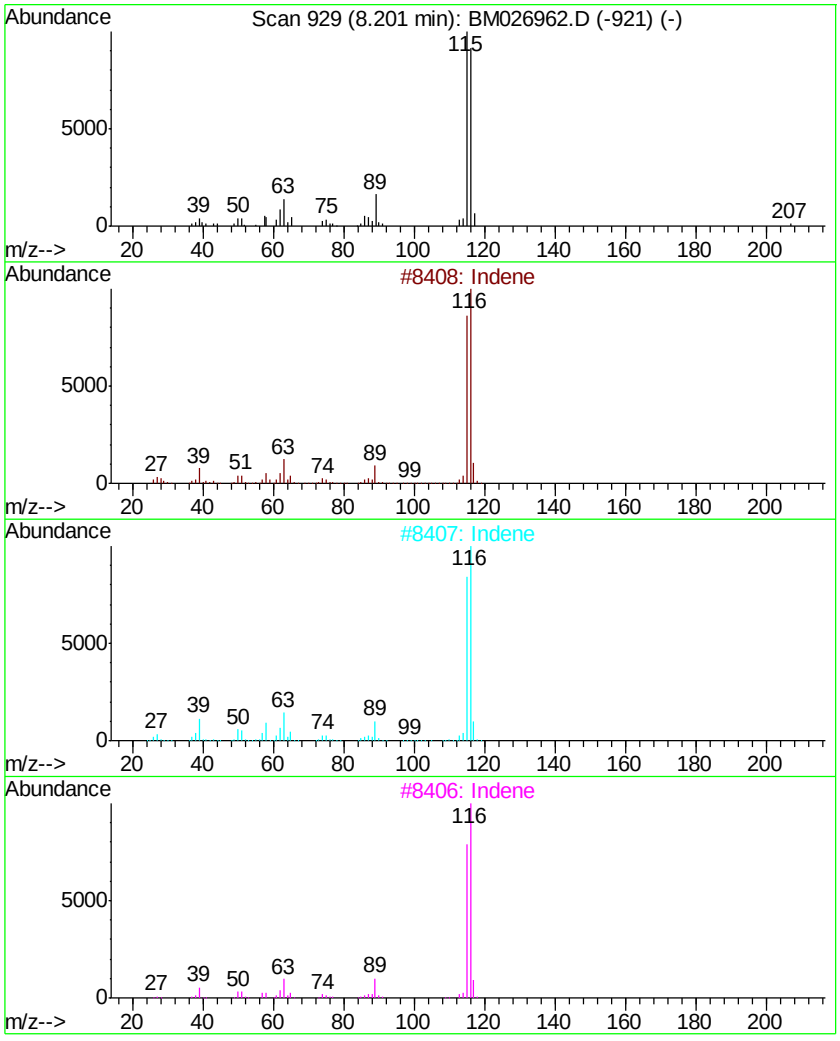
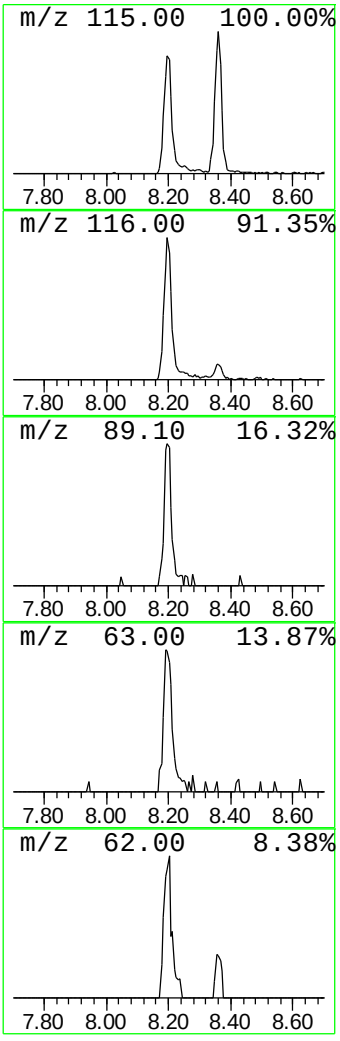
Peak Number 3 Indene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	2.89 ng/ul	94815	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	93
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
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Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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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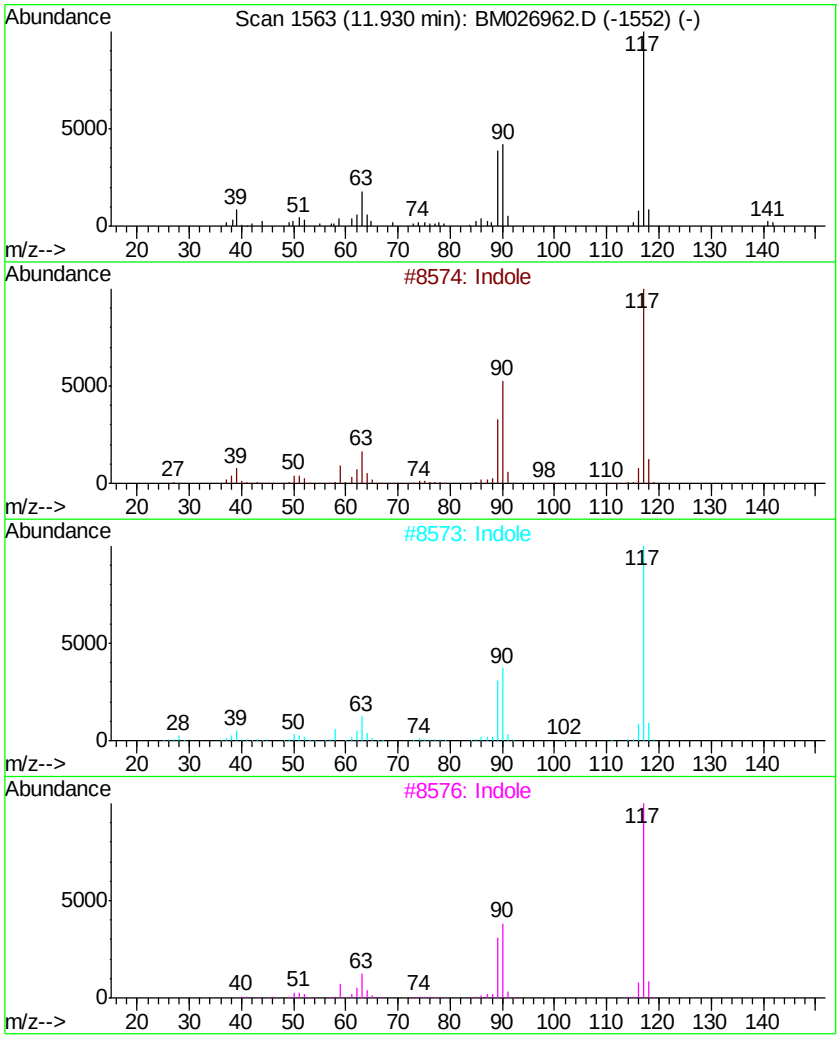
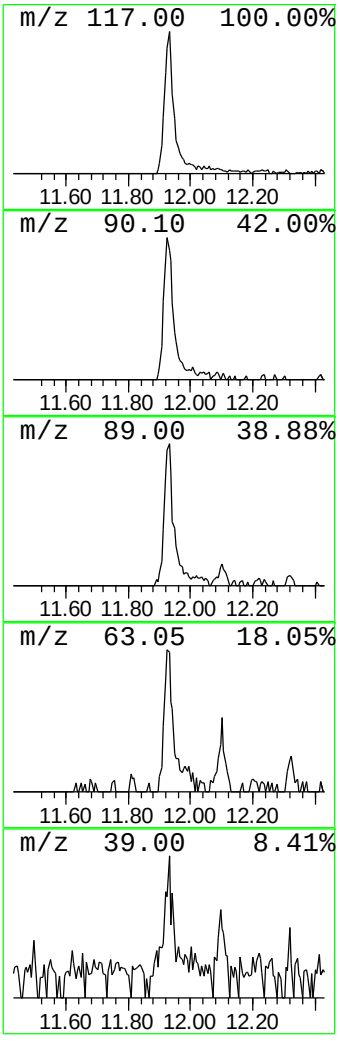
Peak Number 4 Indole Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.14 ng/ul	98930	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	91
2	Indole	117	C8H7N	000120-72-9	91
3	Indole	117	C8H7N	000120-72-9	91
4	Indolizine	117	C8H7N	000274-40-8	91
5	m-Aminophenylacetylene	117	C8H7N	054060-30-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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

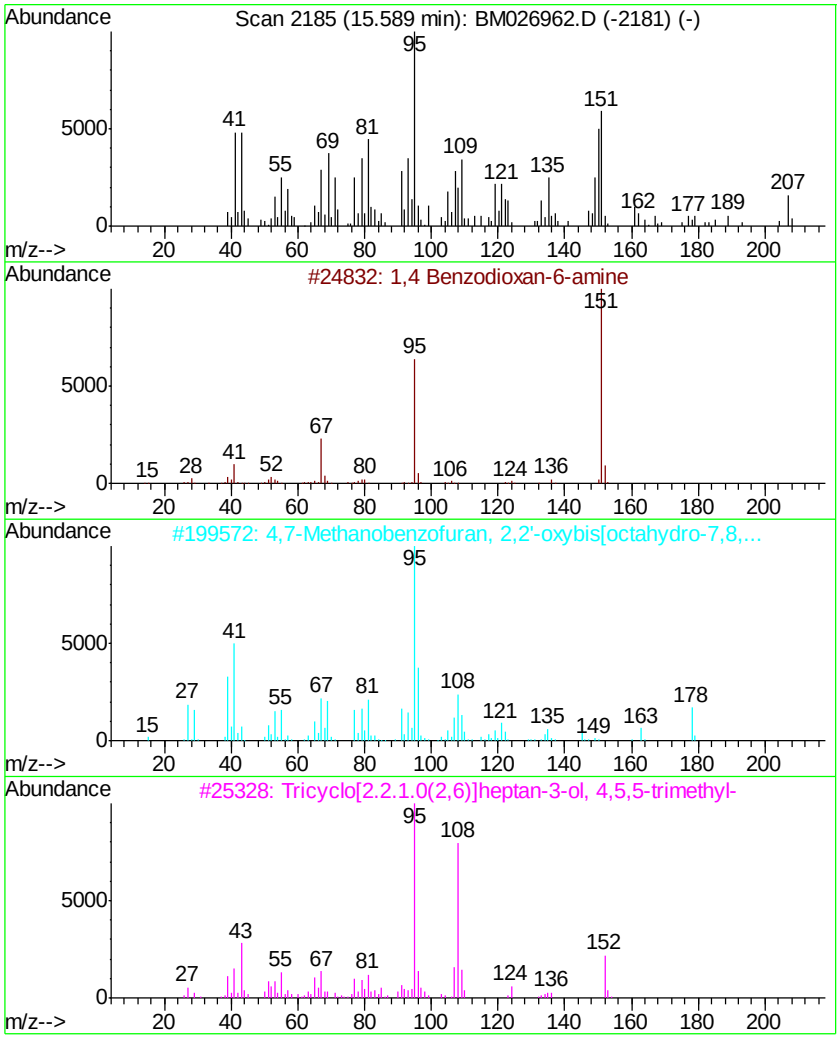
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

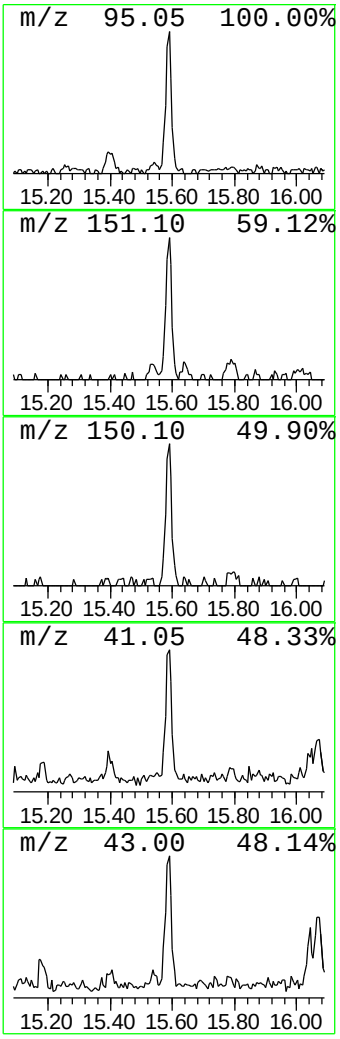
****

Peak Number 5 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	2.42 ng/ul	143215	Acenaphthene-d10	14.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4 Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	30
2	4,7-Methanobenzofuran, 2,2'-oxyb...	374	C24H38O3	087248-50-8	27
3	Tricyclo[2.2.1.0(2,6)]heptan-3-o...	152	C10H16O	062560-53-6	25
4	Piperonylamine	151	C8H9NO2	002620-50-0	22
5	Cyclohexanol, 2-methylene-6-methyl-	126	C8H14O	1000196-32-3	22





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Operator : JU/CG
Sample : L3424-07 5X
Misc :
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ClientSampleId : C0S82

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Quant Title : SVOA CALIBRATION

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

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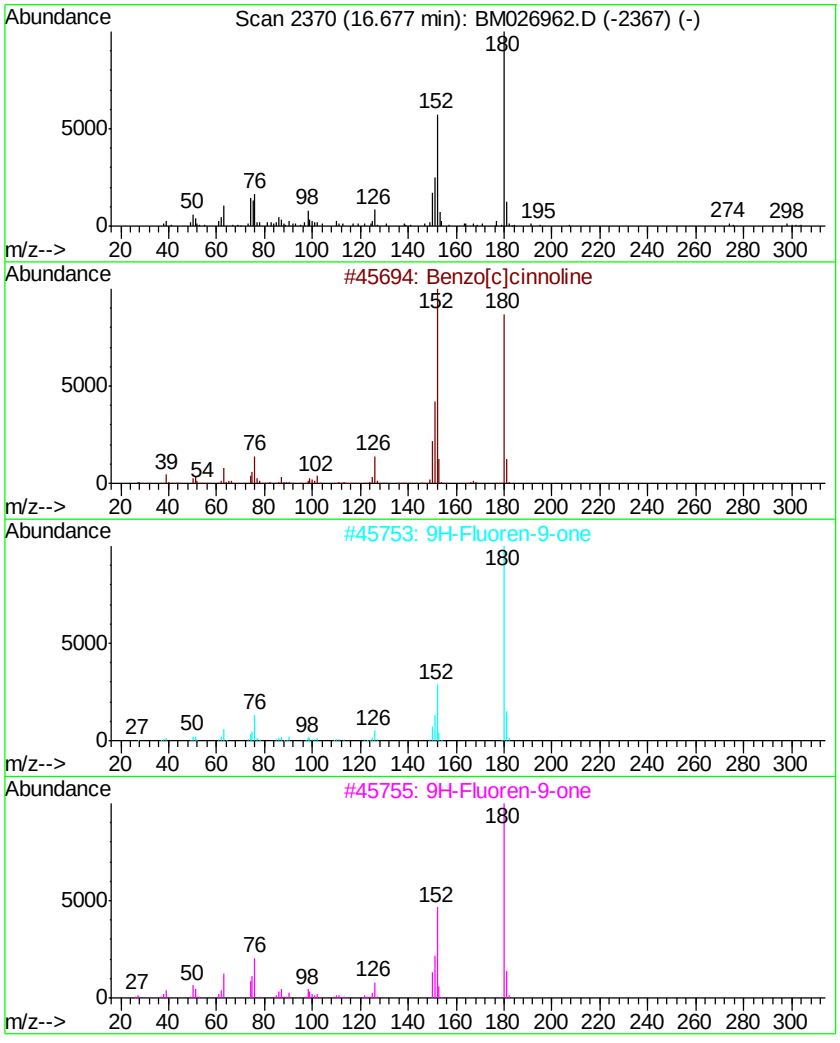
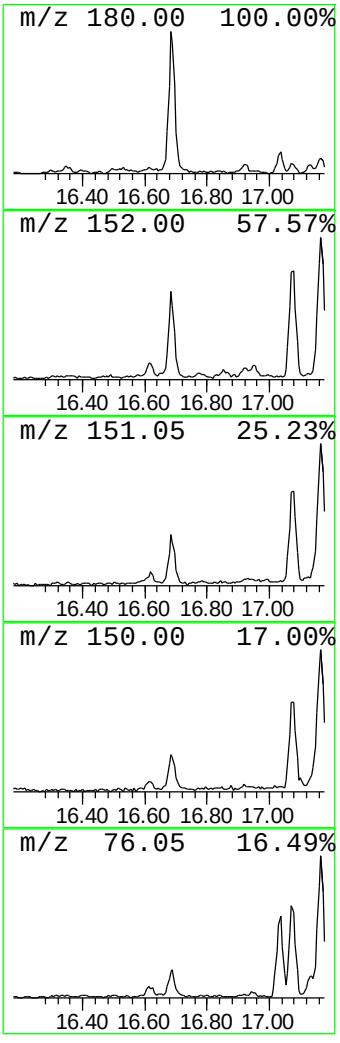
Peak Number 6 Benzo[c]cinnoline Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	2.28 ng/ul	159751	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	Biphenylene	152	C12H8	000259-79-0	94
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90





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Quant Title : SVOA CALIBRATION

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

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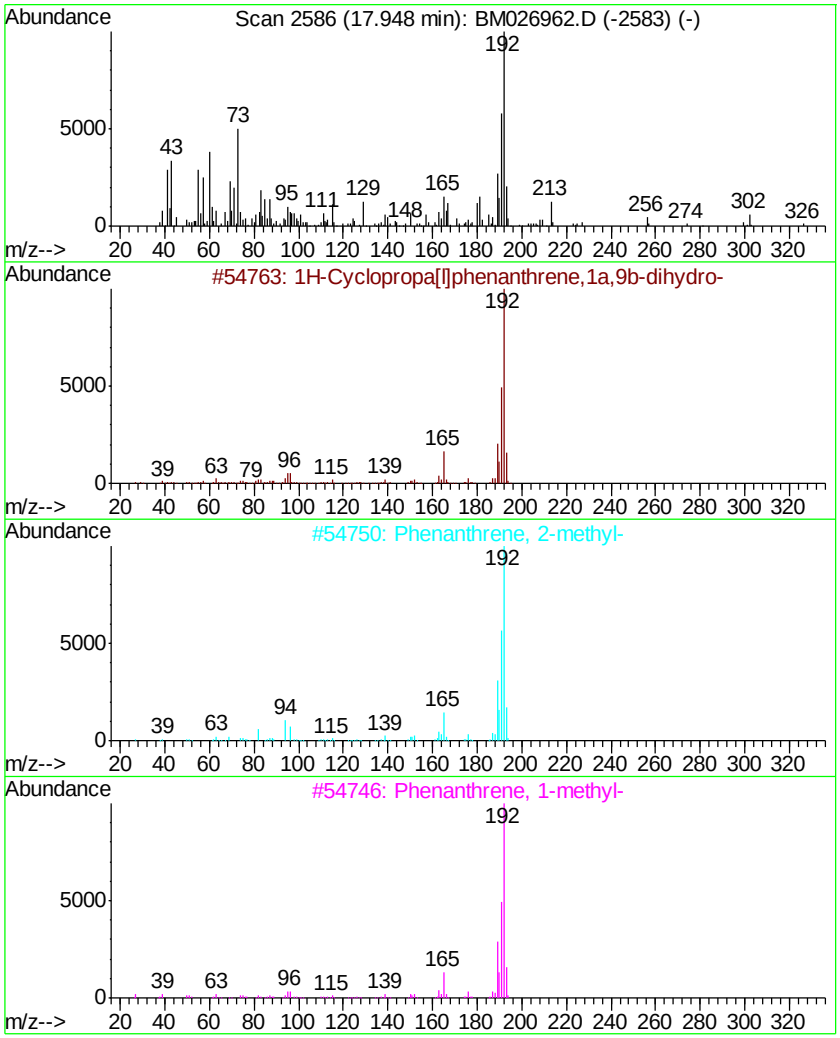
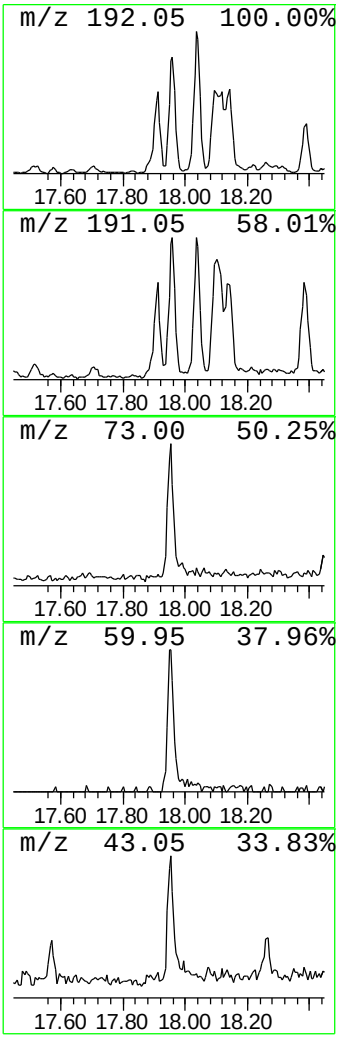
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.87 ng/ul	271144	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





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Quant Title : SVOA CALIBRATION

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

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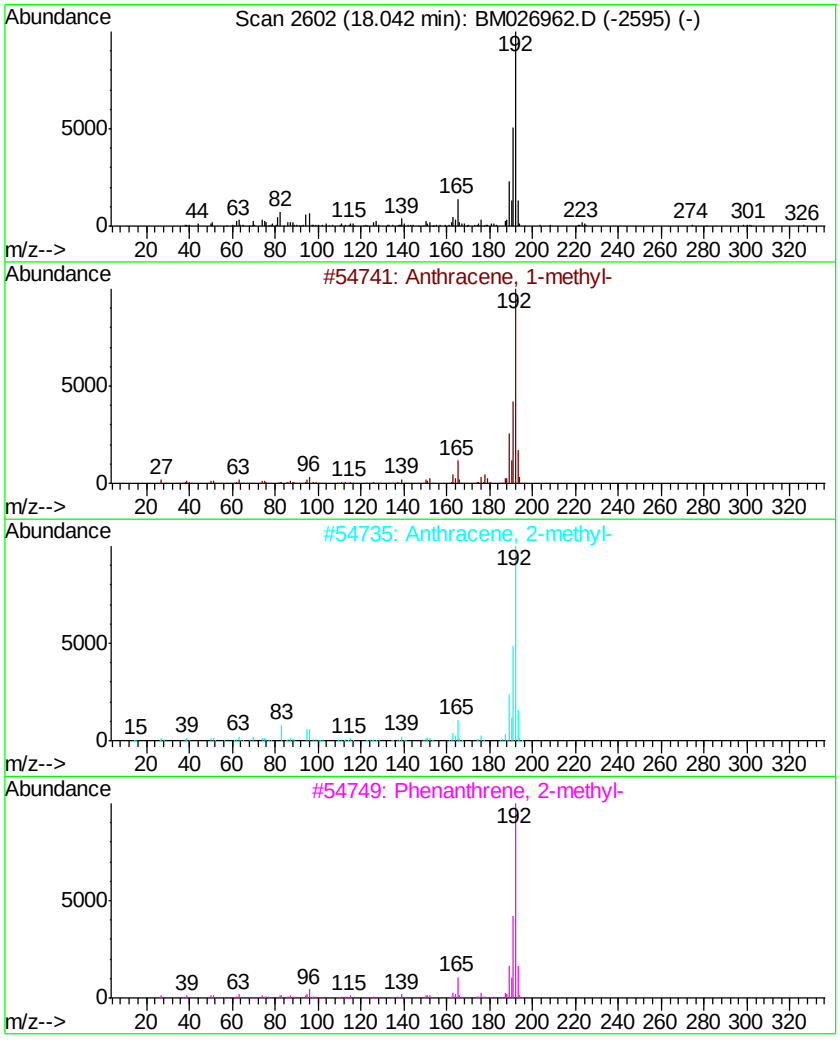
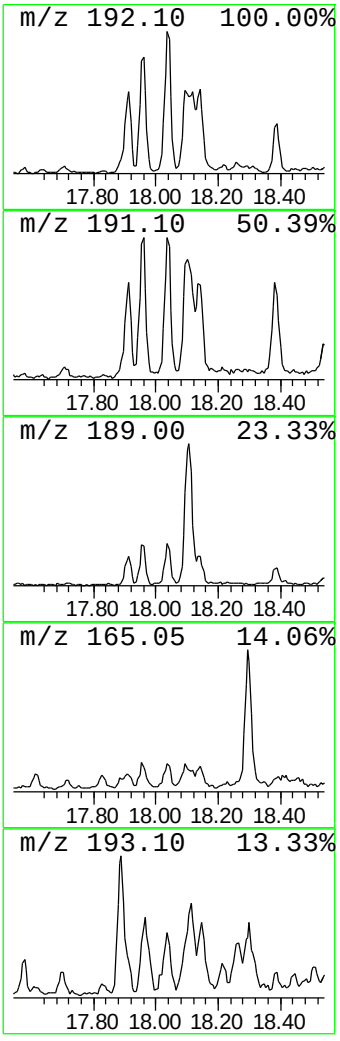
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.44 ng/ul	170580	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Quant Title : SVOA CALIBRATION

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

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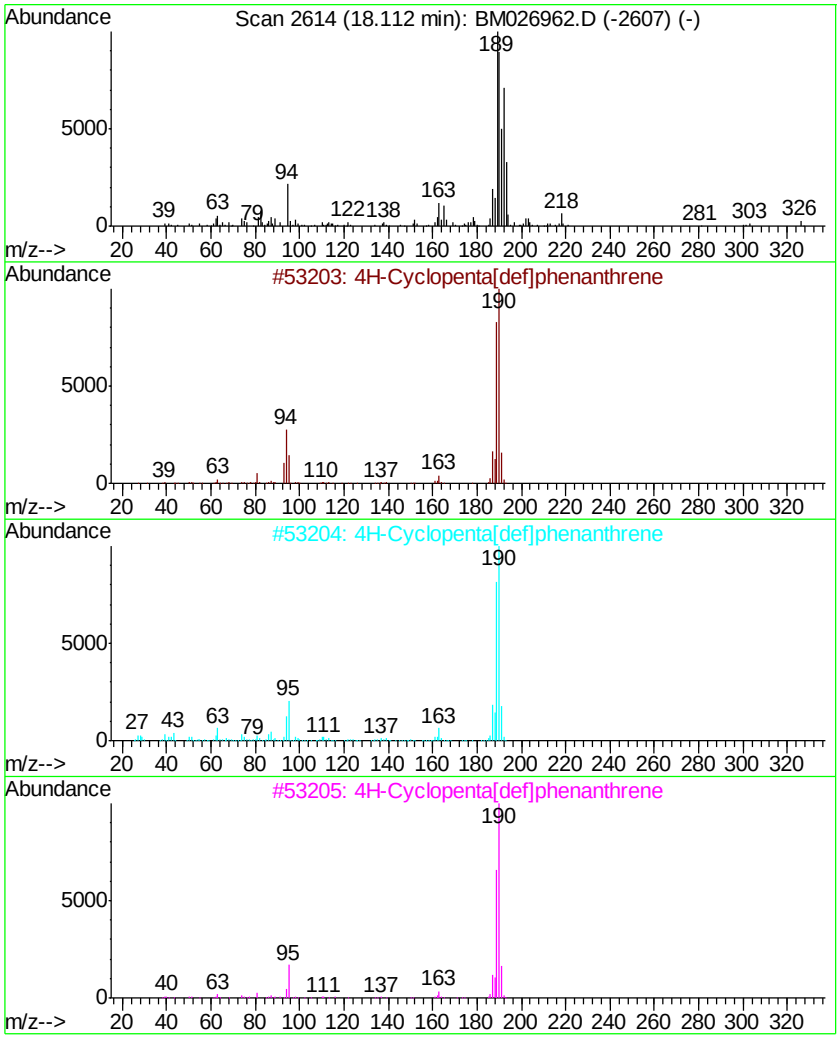
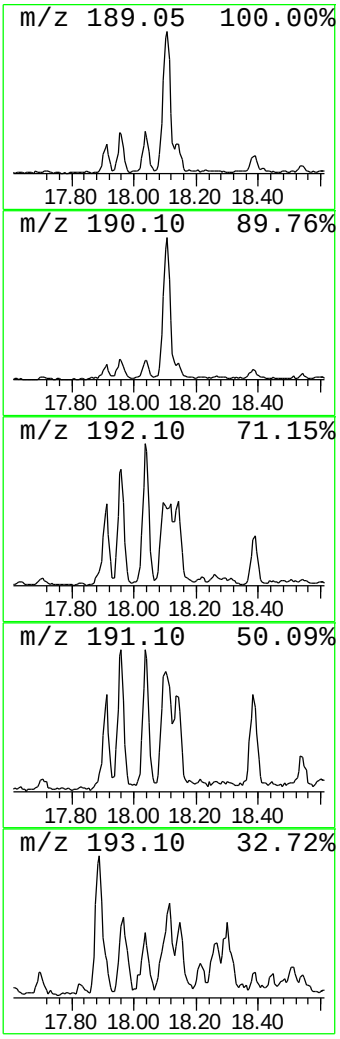
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	3.81 ng/ul	266434	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





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Quant Title : SVOA CALIBRATION

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

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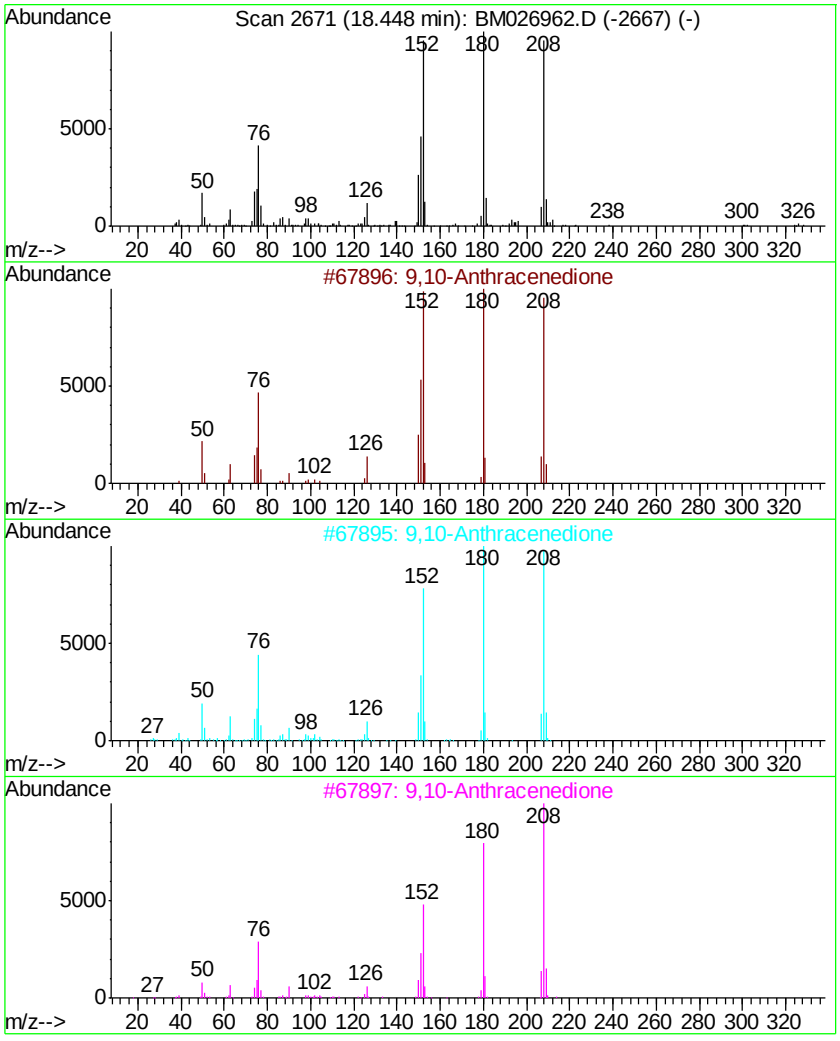
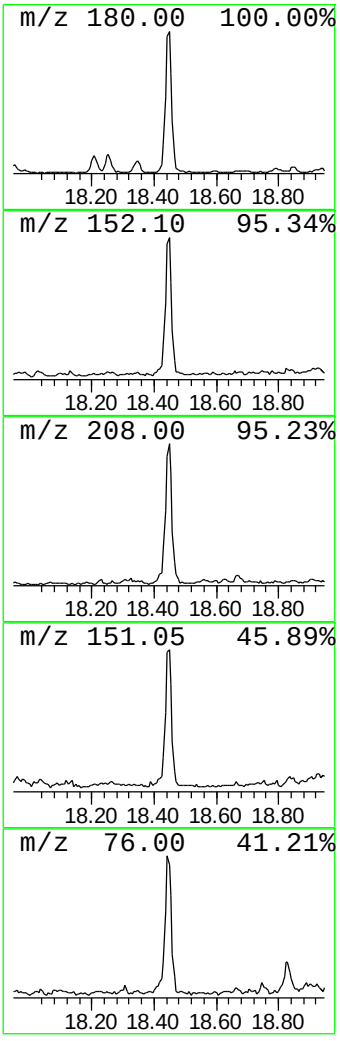
Peak Number 10 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	5.07 ng/ul	354659	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Quant Title : SVOA CALIBRATION

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

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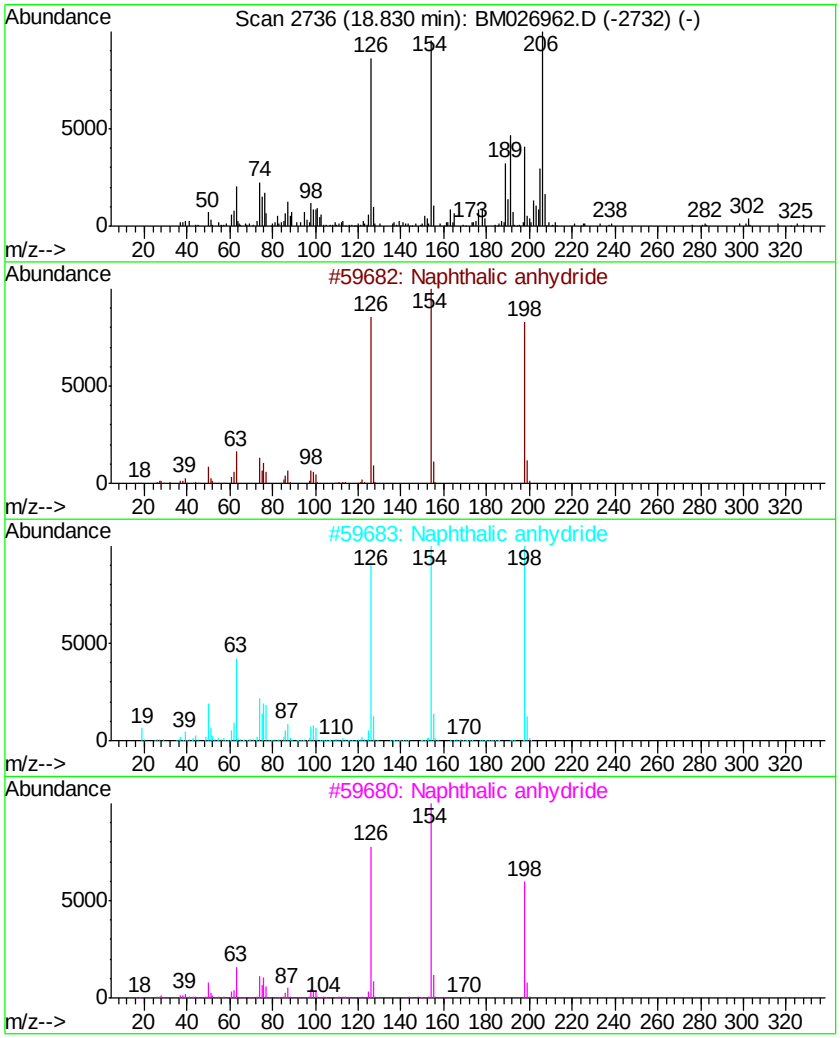
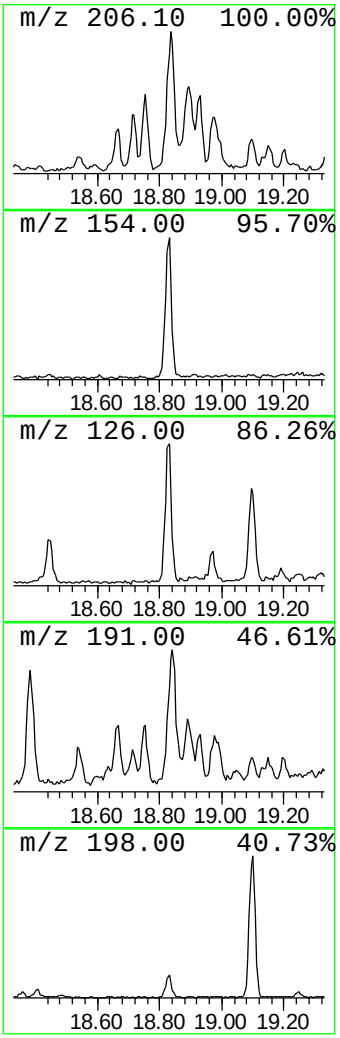
Peak Number 11 Naphthalic anhydride Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.60 ng/ul	251827	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	96
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	89
3	Naphthalic anhydride	198	C12H6O3	000081-84-5	87
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	84
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





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Quant Title : SVOA CALIBRATION

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

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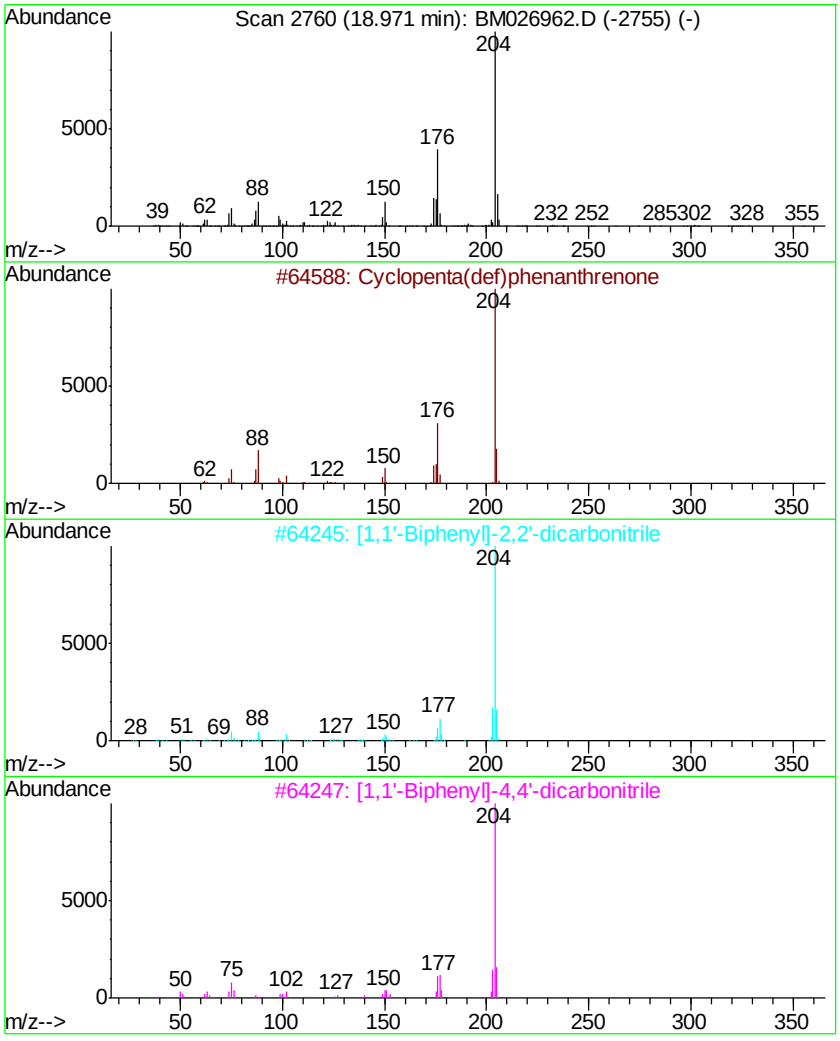
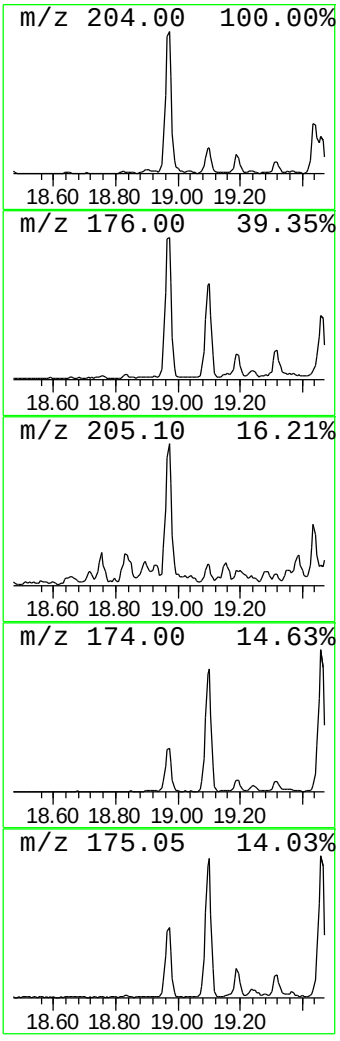
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	9.40 ng/ul	658296	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	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
5	9-Butyl-9-cyano-9,10-dihydroanth...	261	C19H19N	139642-81-2	47





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TIC Integration Parameters: LSCINT.P

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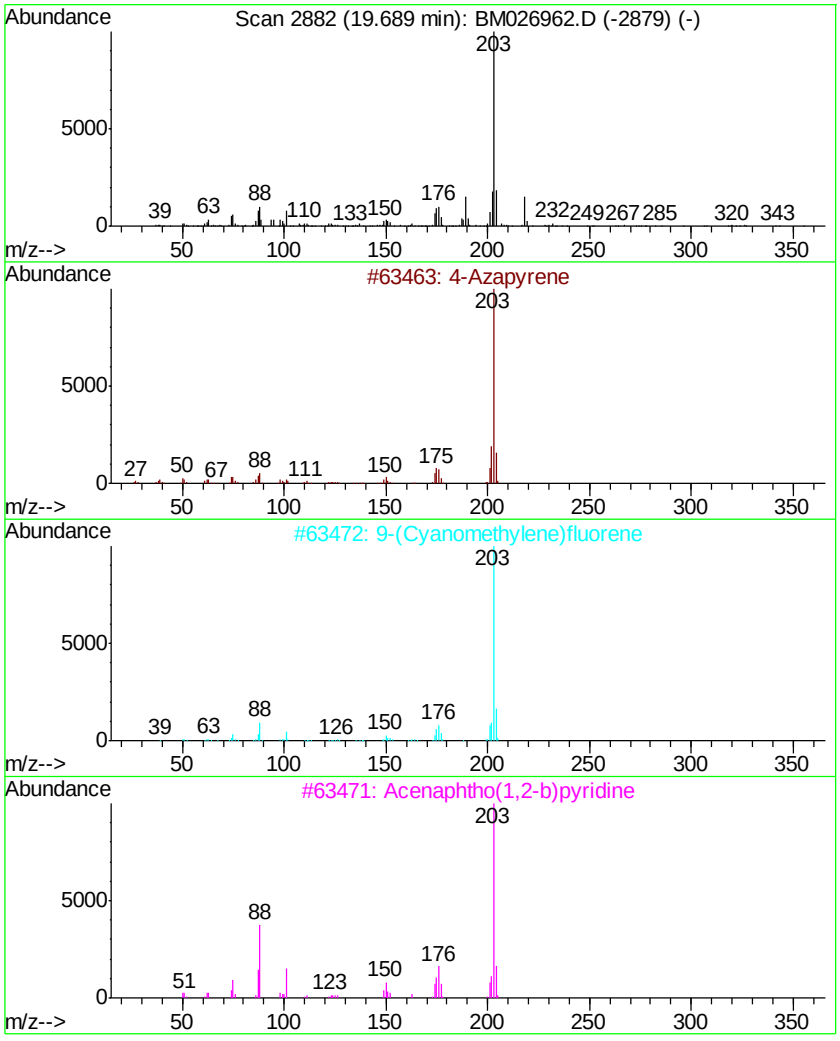
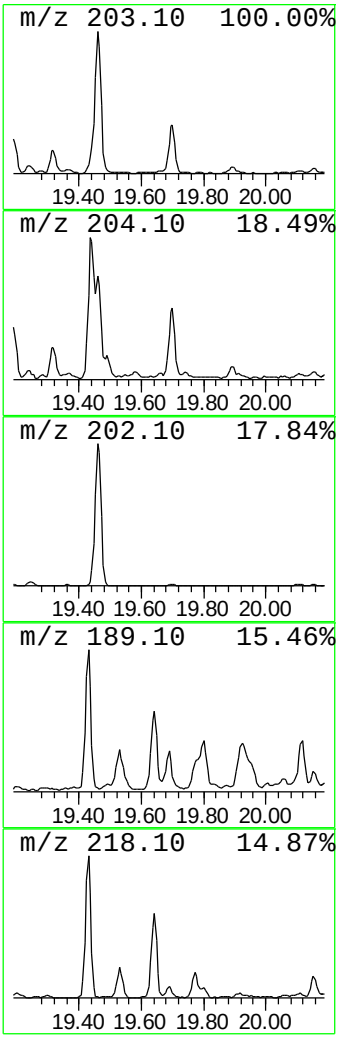
Peak Number 13 4-Azapyrene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.05 ng/ul	667169	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	96
2	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	95
3	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	95
4	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	93
5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	91





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Quant Title : SVOA CALIBRATION

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

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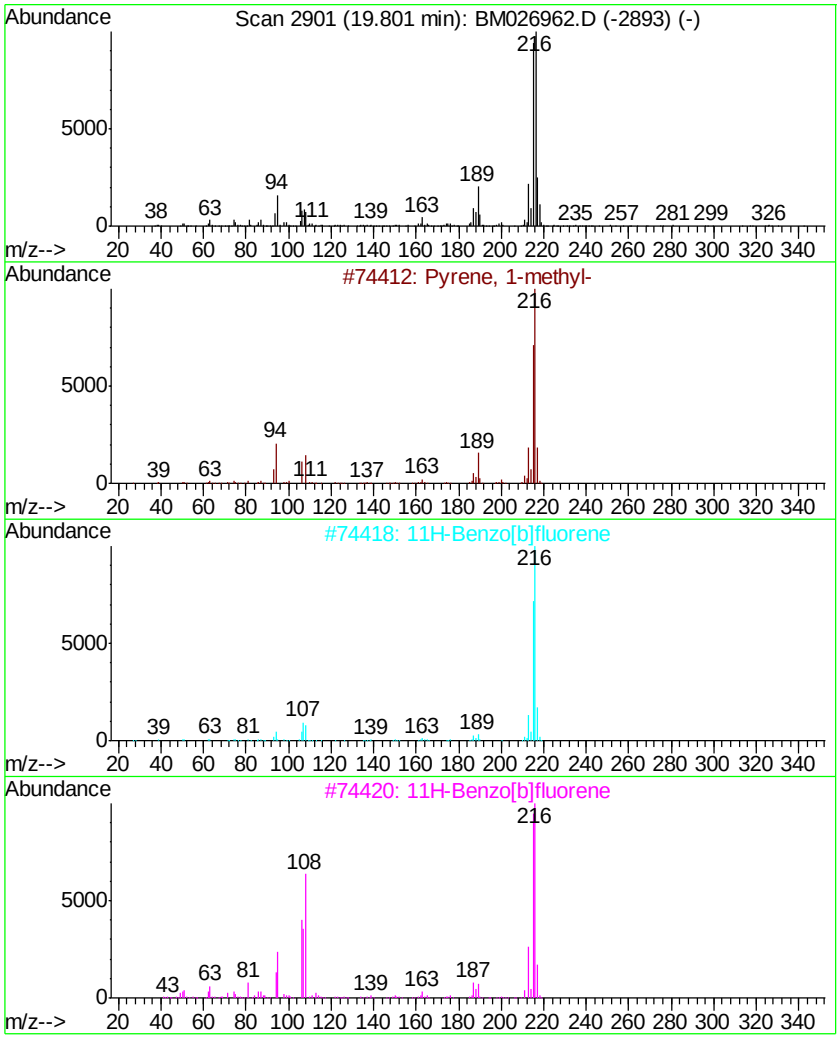
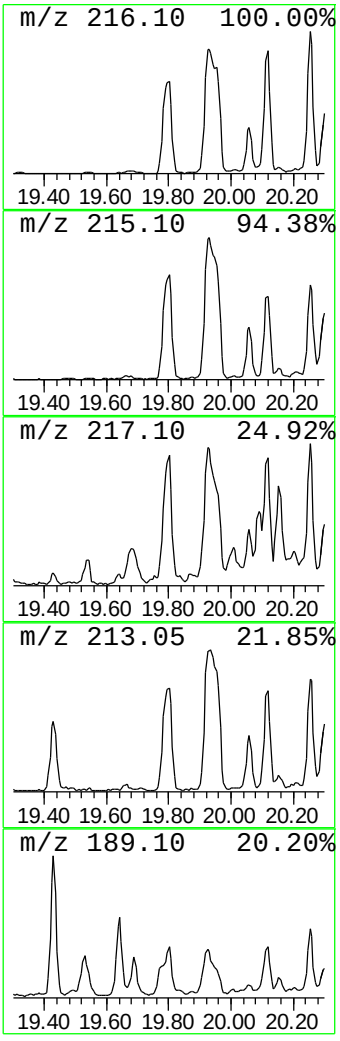
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.73 ng/ul	889811	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





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

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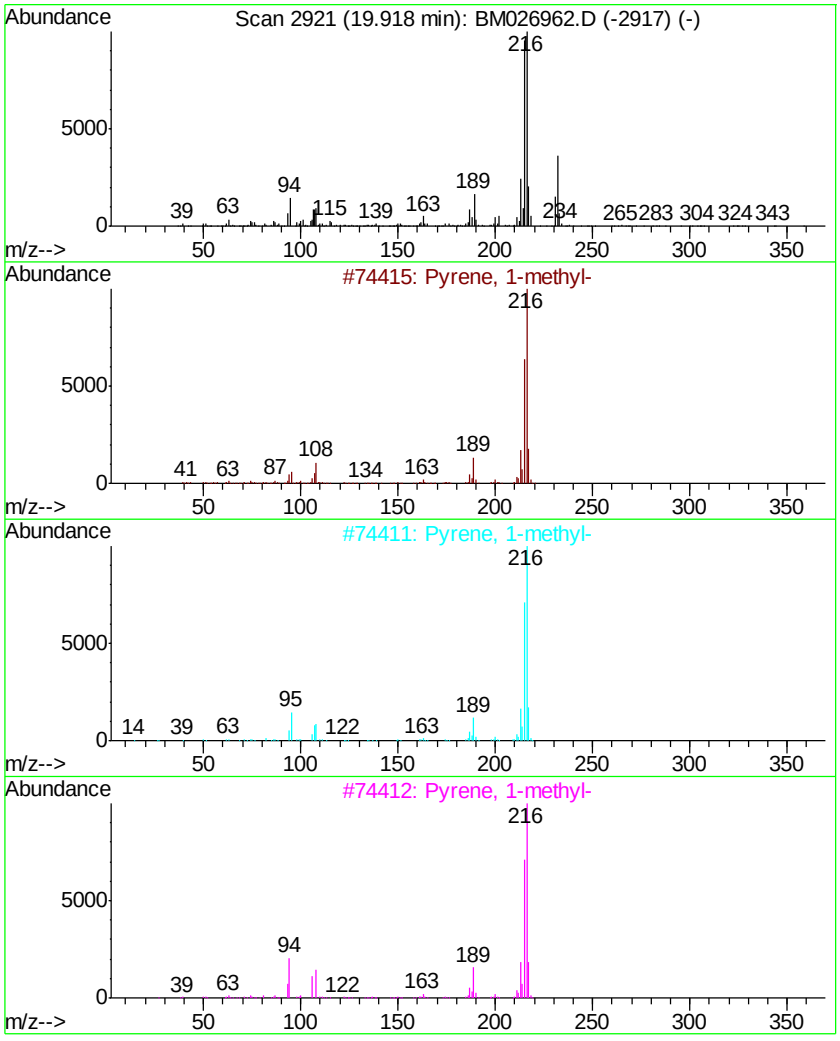
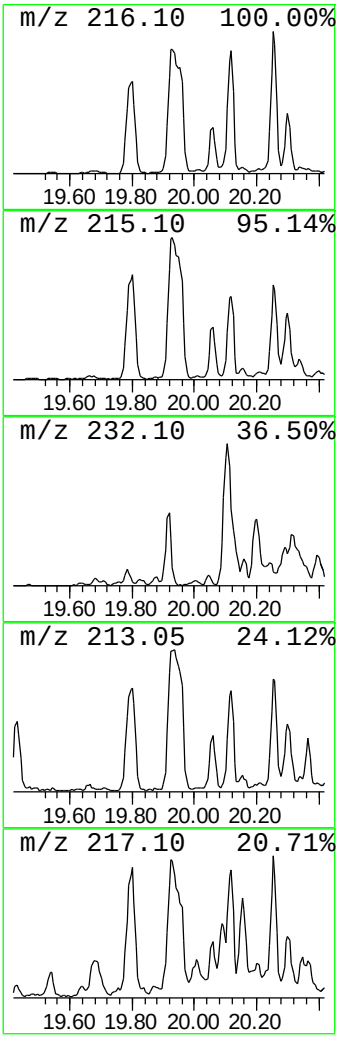
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	5.04 ng/ul	1642390	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, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89





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TIC Integration Parameters: LSCINT.P

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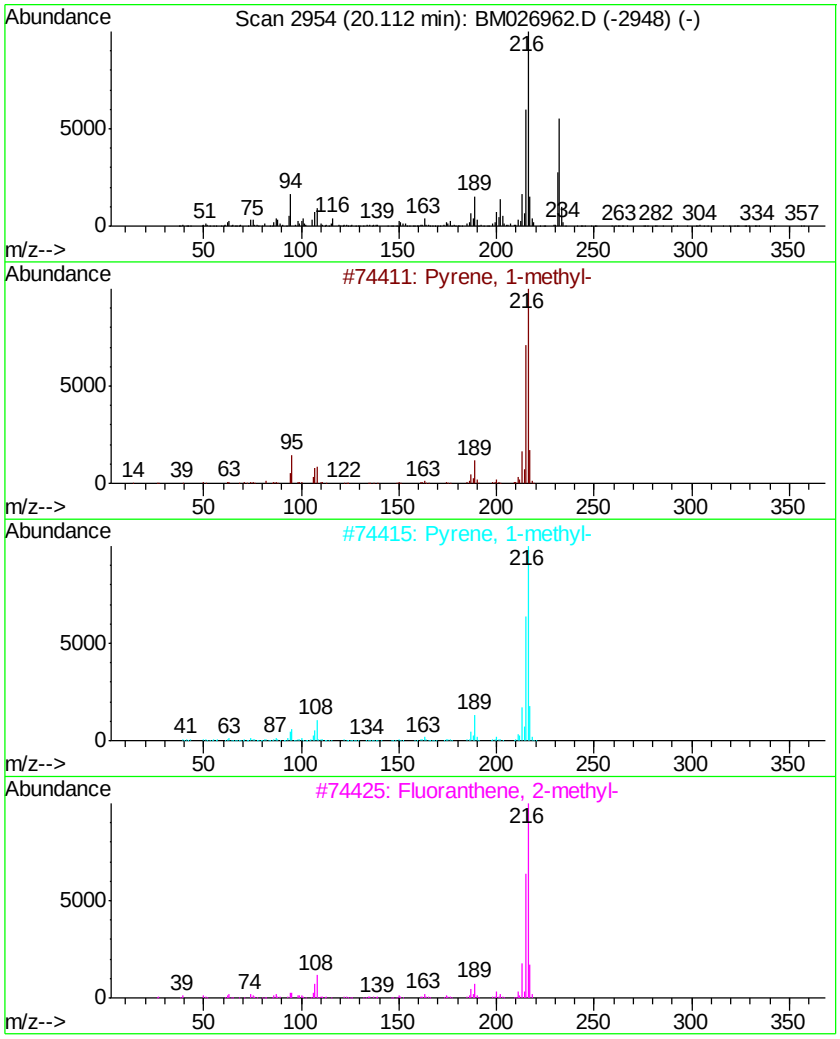
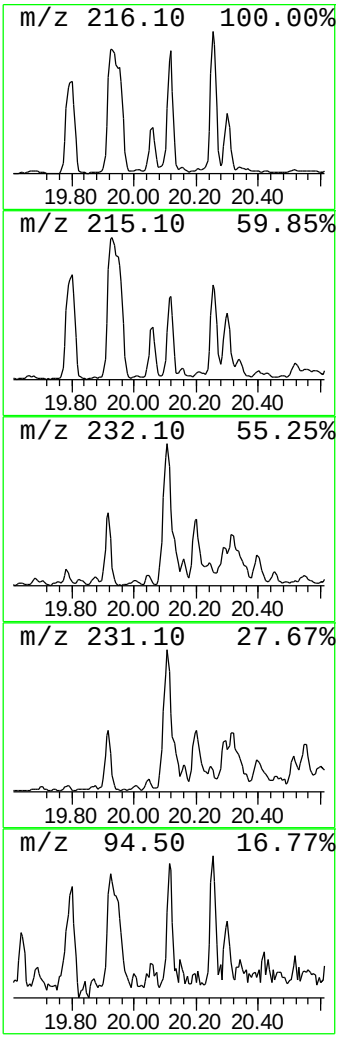
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.94 ng/ul	959468	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78





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Quant Title : SVOA CALIBRATION

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

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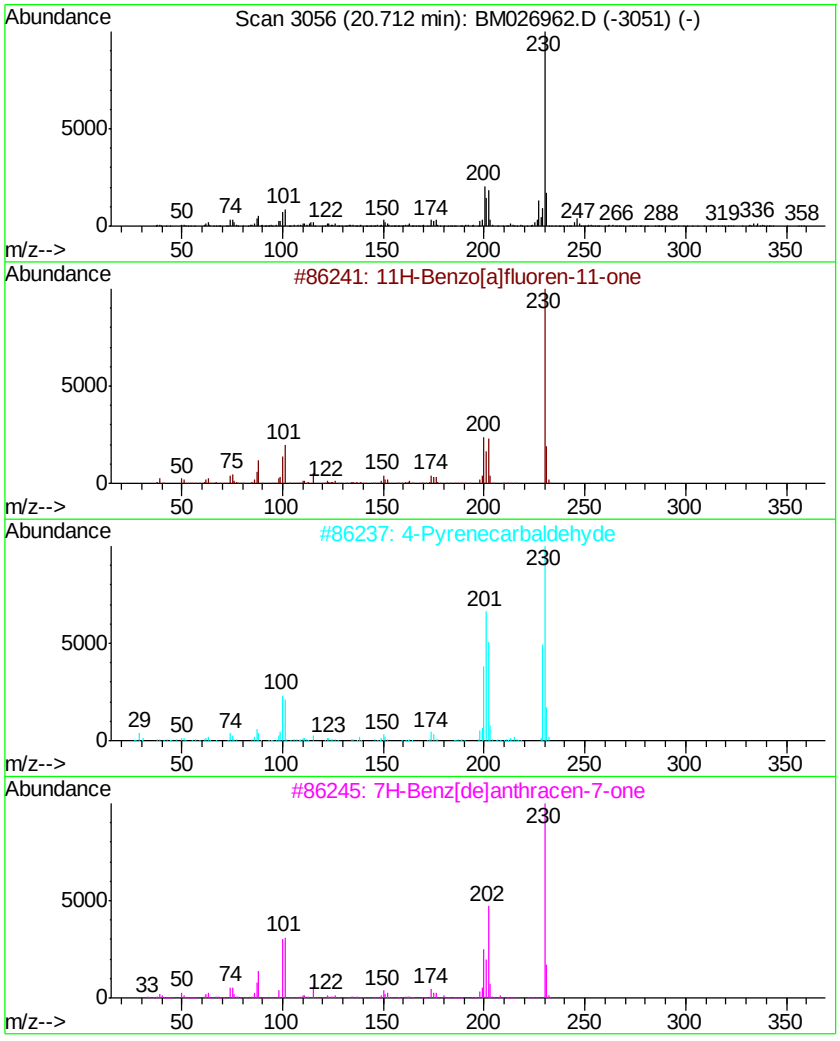
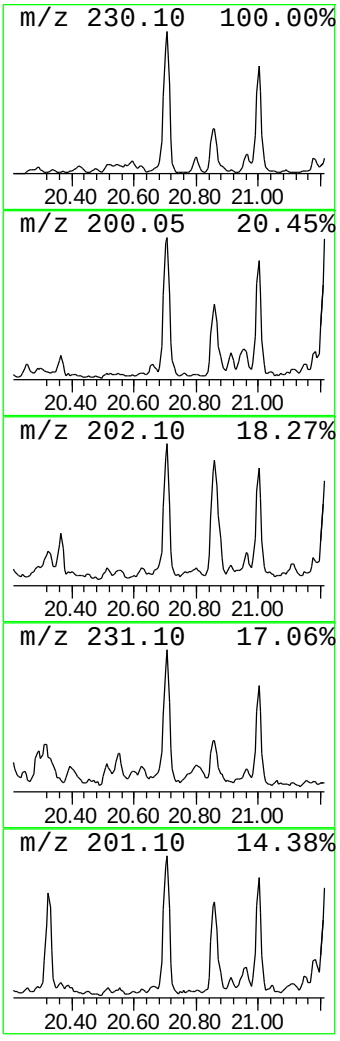
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	3.10 ng/ul	1010710	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	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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Sample : L3424-07 5X
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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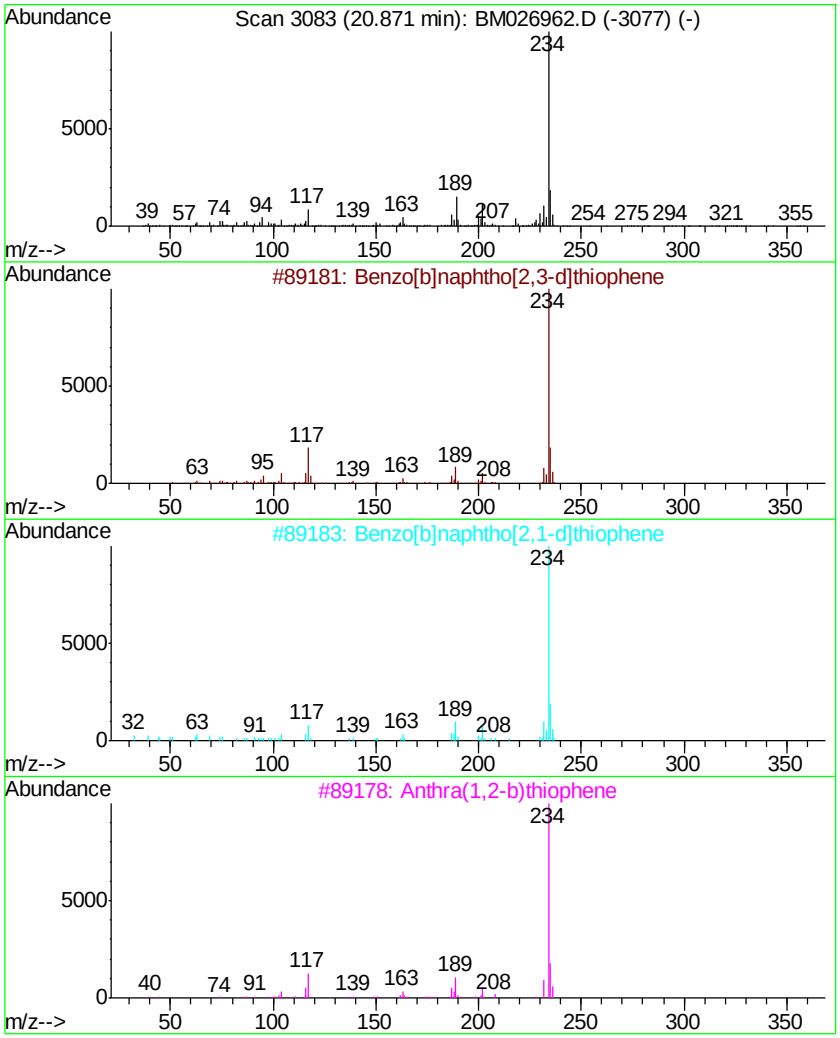
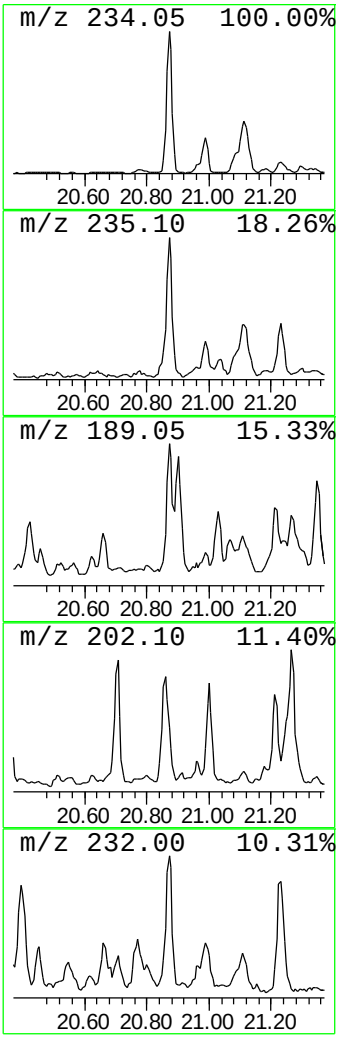
Peak Number 18 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.32 ng/ul	1083350	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	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
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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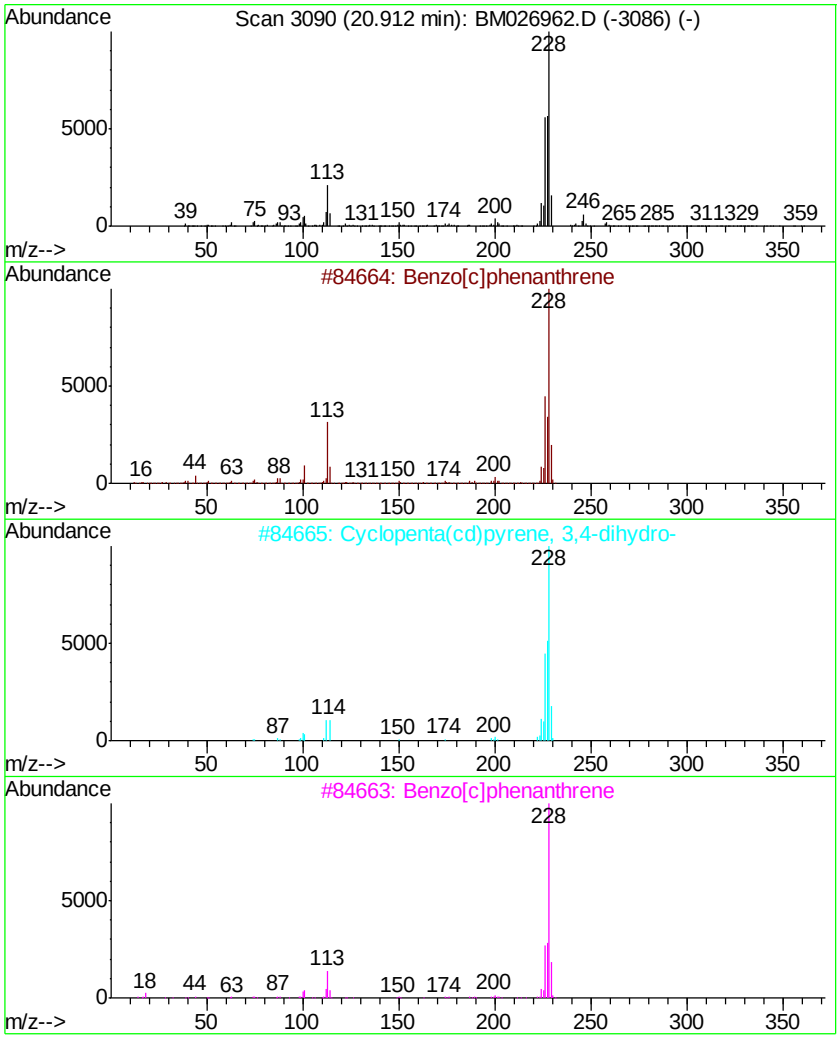
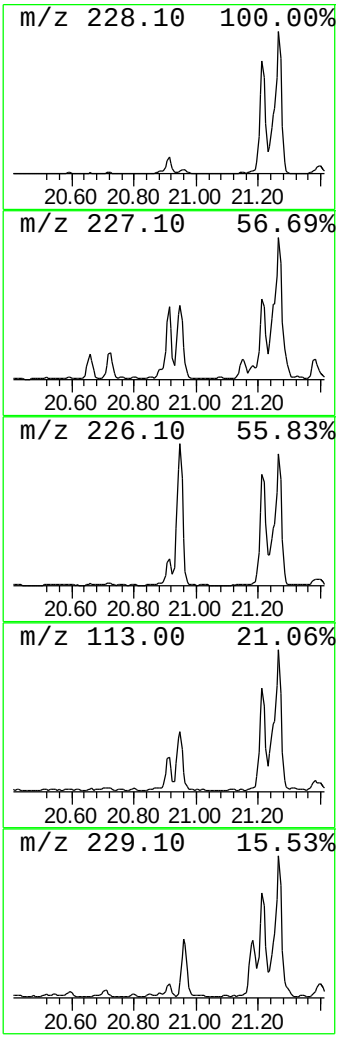
Peak Number 19 Benzo[c]phenanthrene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.57 ng/ul	837964	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
5	Benz[a]anthracene	228	C18H12	000056-55-3	43





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Quant Title : SVOA CALIBRATION

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

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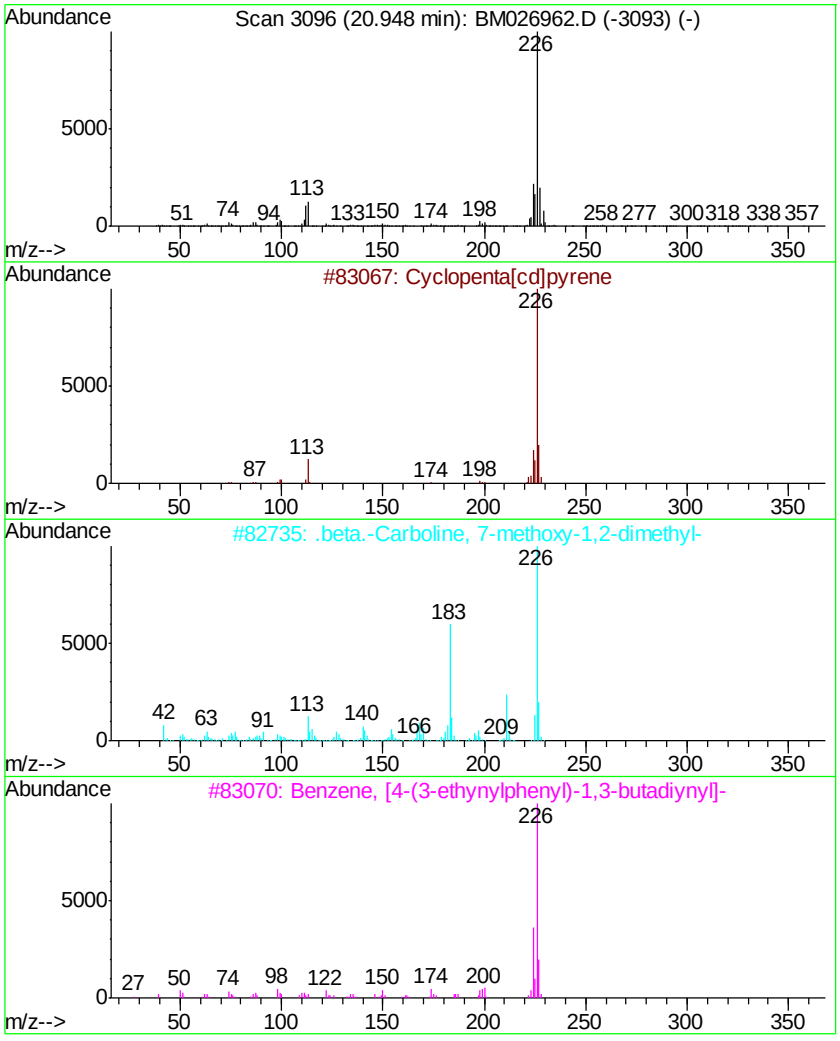
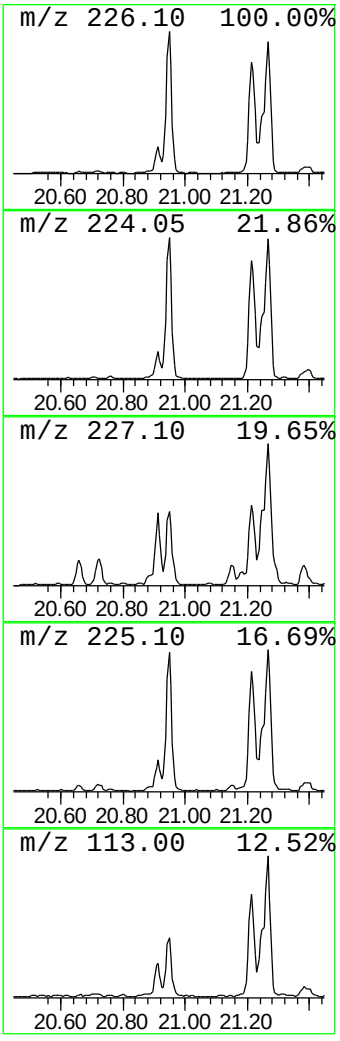
Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	5.89 ng/ul	1918680	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	72
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	58
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50





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Quant Title : SVOA CALIBRATION

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

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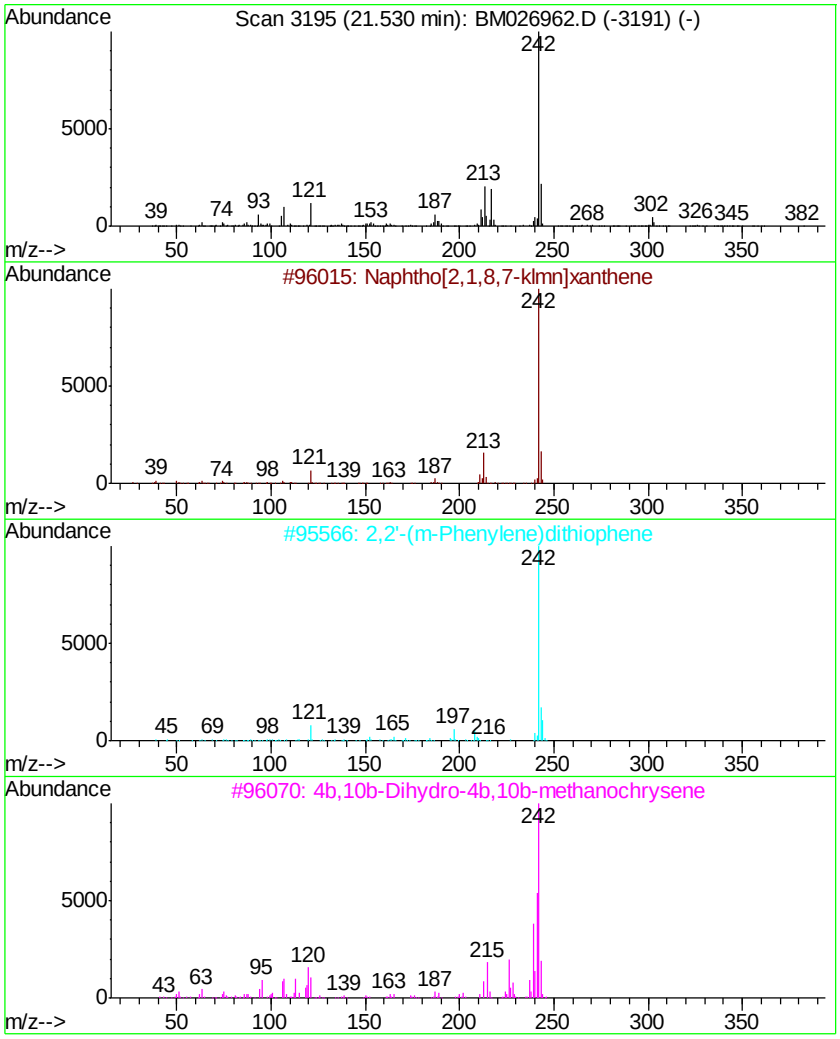
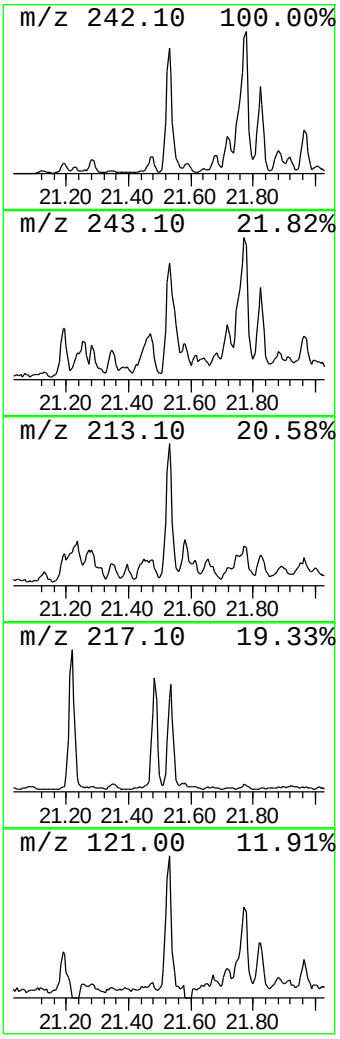
Peak Number 22 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.70 ng/ul	881303	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	81
2	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	52
3	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	50
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	50
5	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	50





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Quant Title : SVOA CALIBRATION

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

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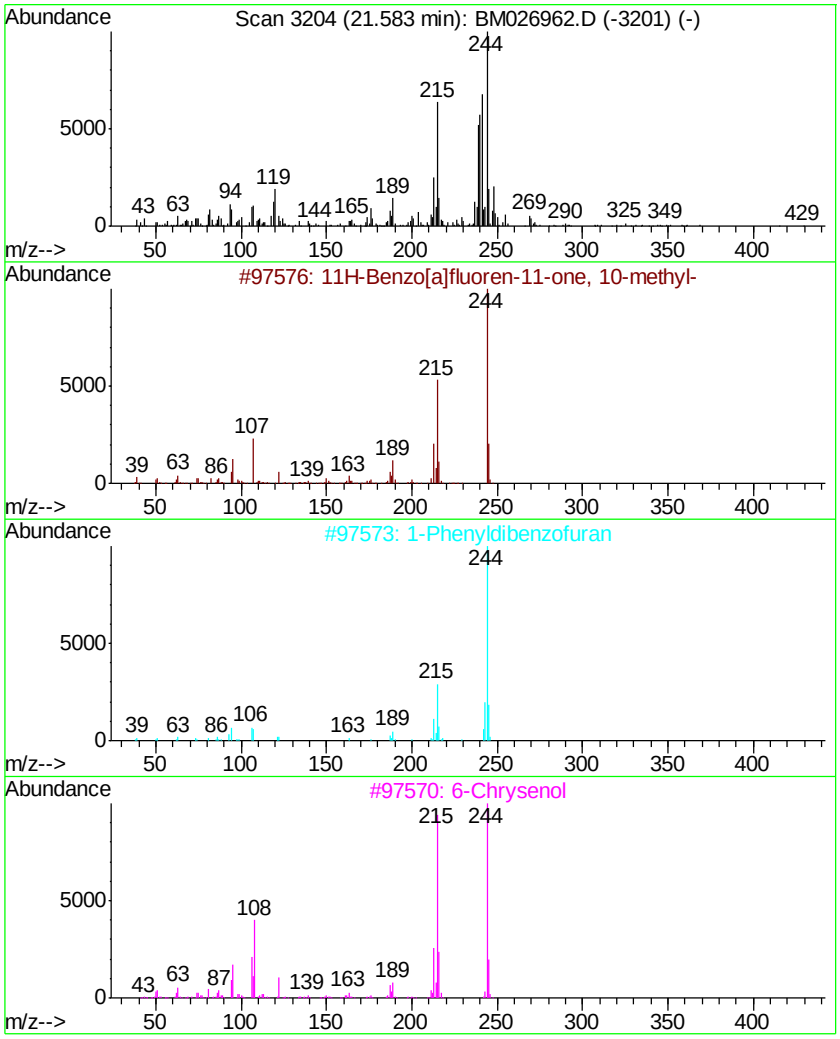
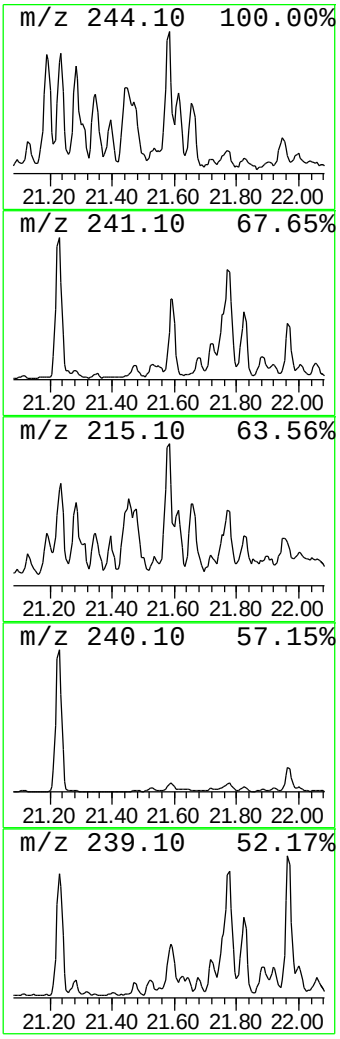
Peak Number 23 1-Phenyldibenzofuran Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.03 ng/ul	660381	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	83
2	1-Phenyldibenzofuran	244	C18H12O	1000314-39-4	60
3	6-Chrysenol	244	C18H12O	037515-51-8	47
4	Indeno[2,1-b]oxine, 2-phenyl-	244	C18H12O	010435-67-3	46
5	Benzeneacetaldehyde, .alpha.-met...	244	C14H12O2S	068327-80-0	35





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Quant Title : SVOA CALIBRATION

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

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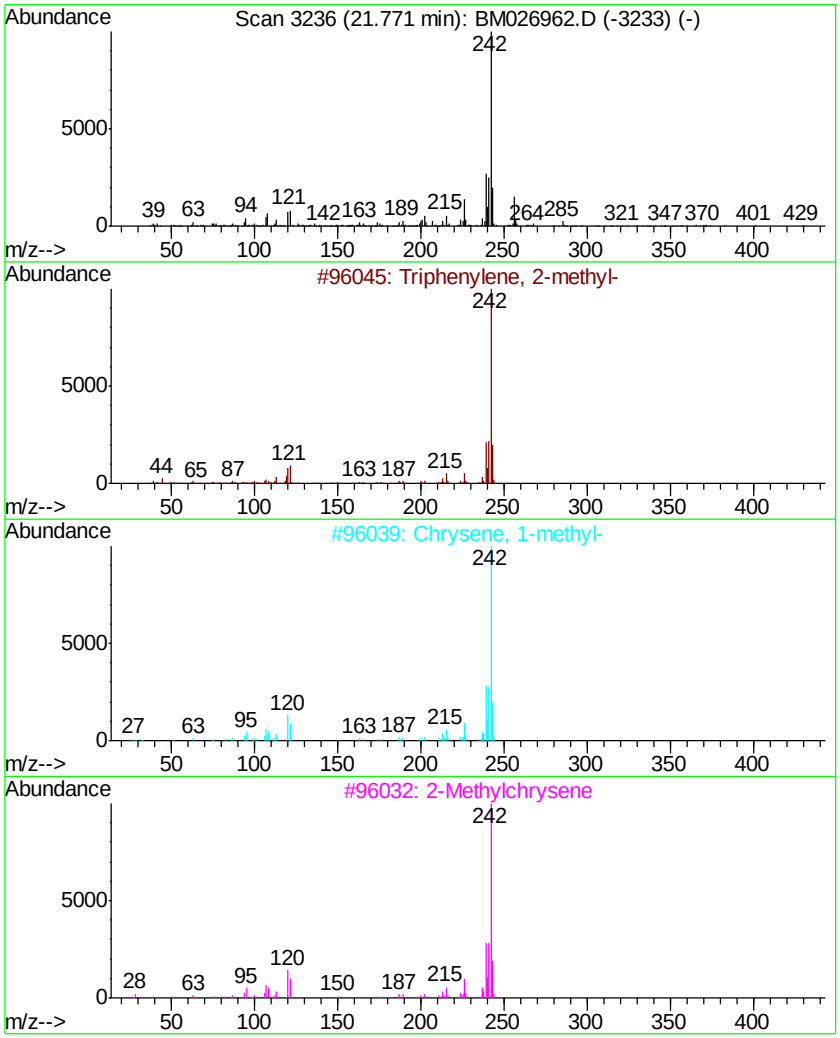
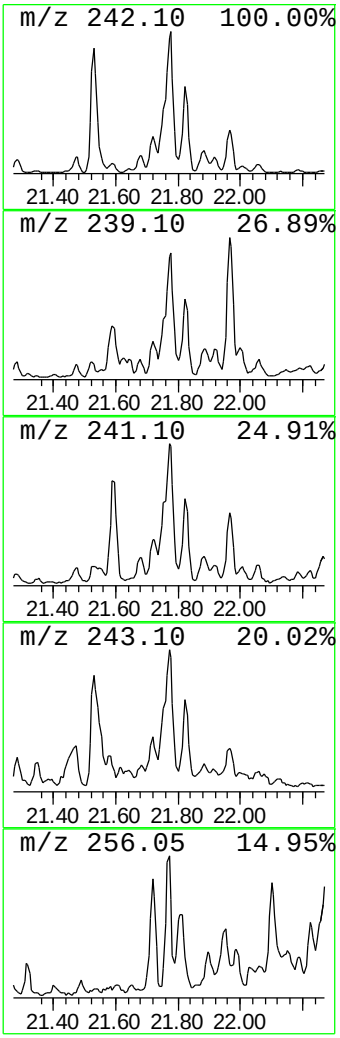
Peak Number 24 Triphenylene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.54 ng/ul	828314	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
3	2-Methylchrysene	242	C19H14	003351-32-4	89
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	81
5	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	76





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

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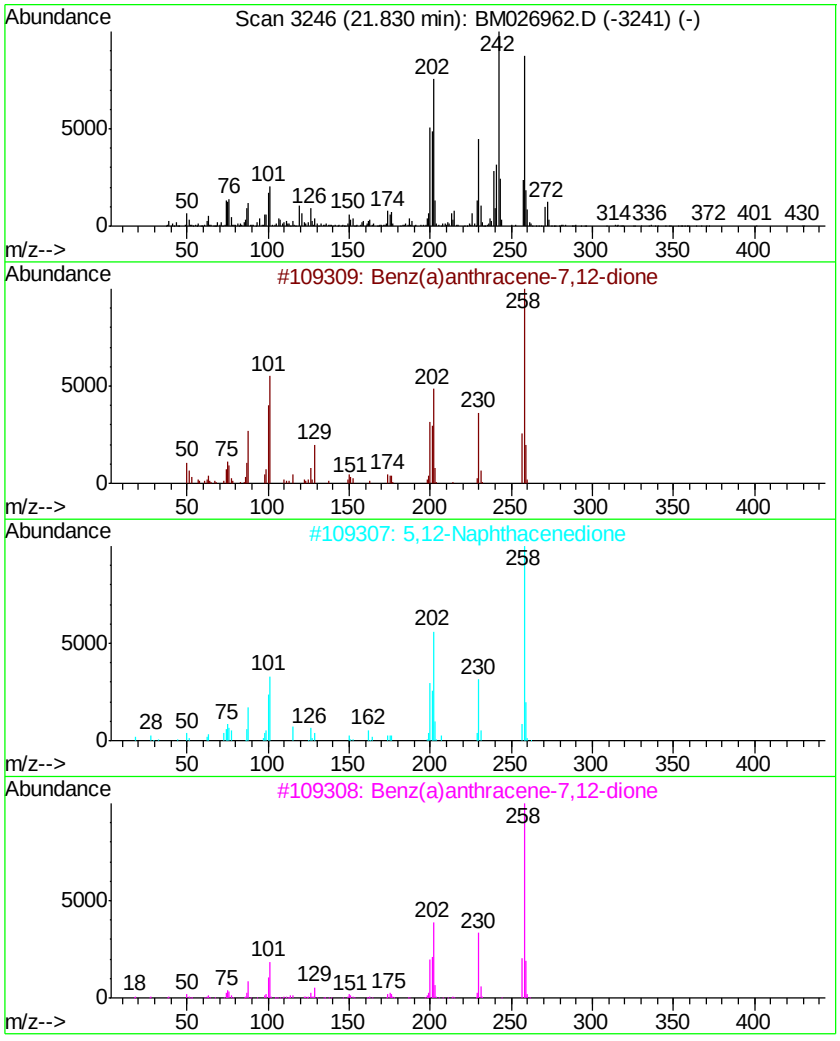
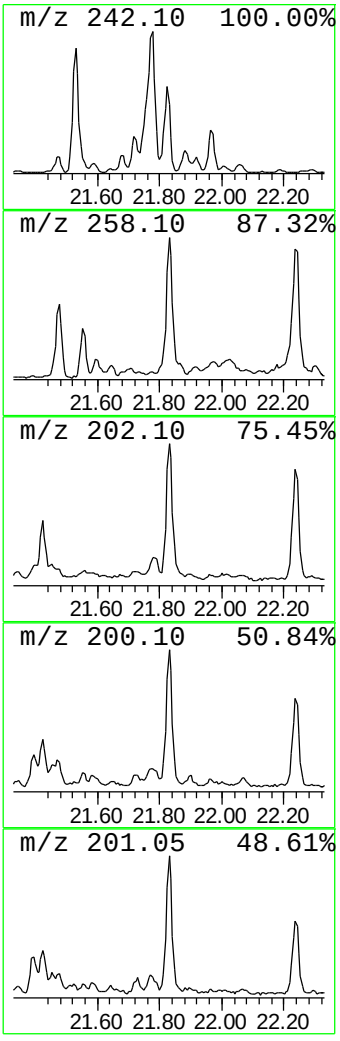
Peak Number 25 Benz(a)anthracene-7,12-dione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.58 ng/ul	1165670	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	91
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
4	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	59





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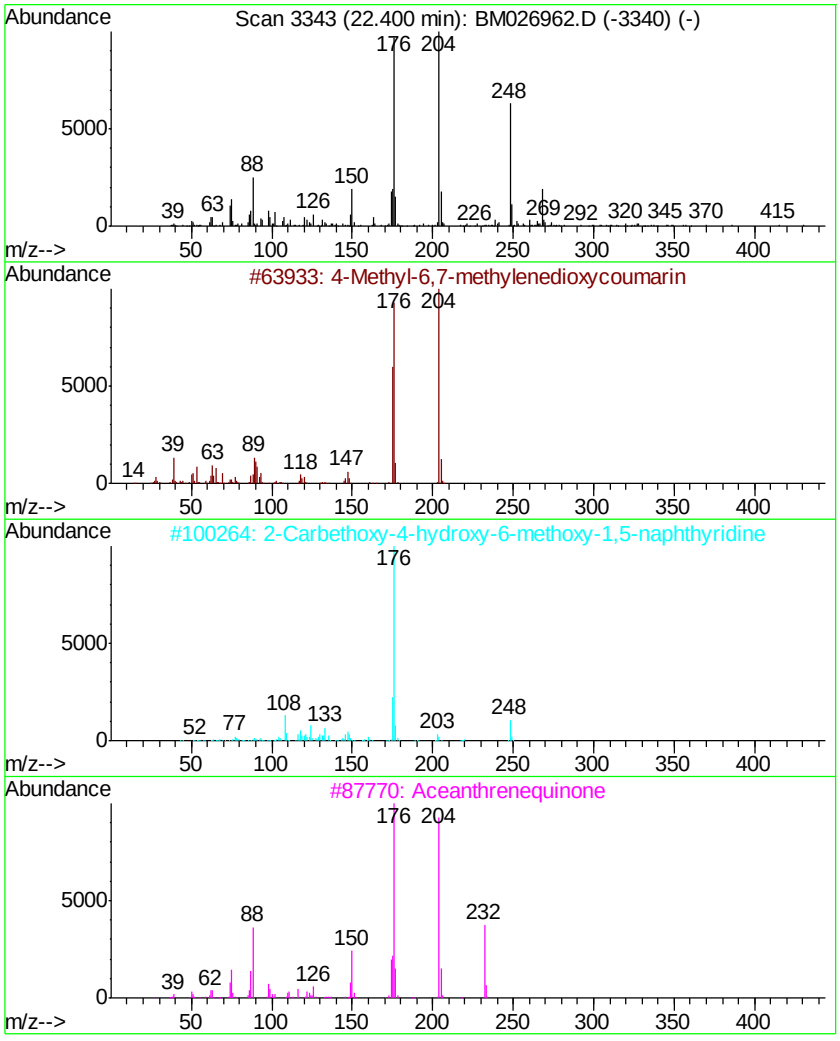
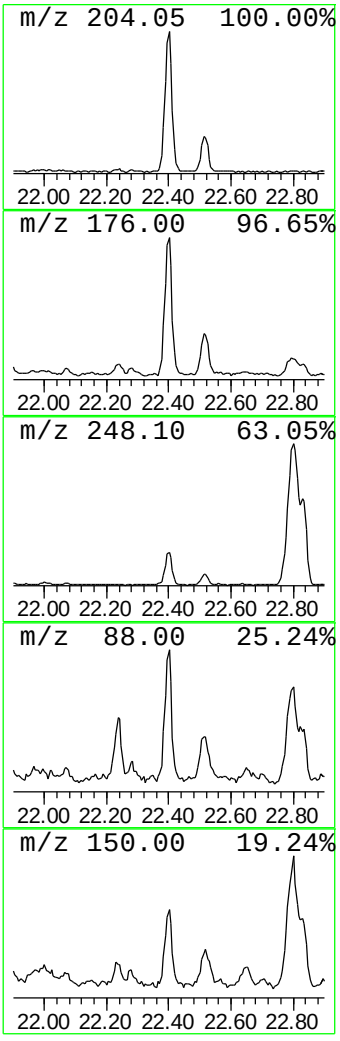
Peak Number 26 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	7.48 ng/ul	547735	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	49
2	2-Carbethoxy-4-hydroxy-6-methoxy...	248	C12H12N2O4	1000227-07-7	38
3	Aceanthrenequinone	232	C16H8O2	006373-11-1	38
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	30





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TIC Integration Parameters: LSCINT.P

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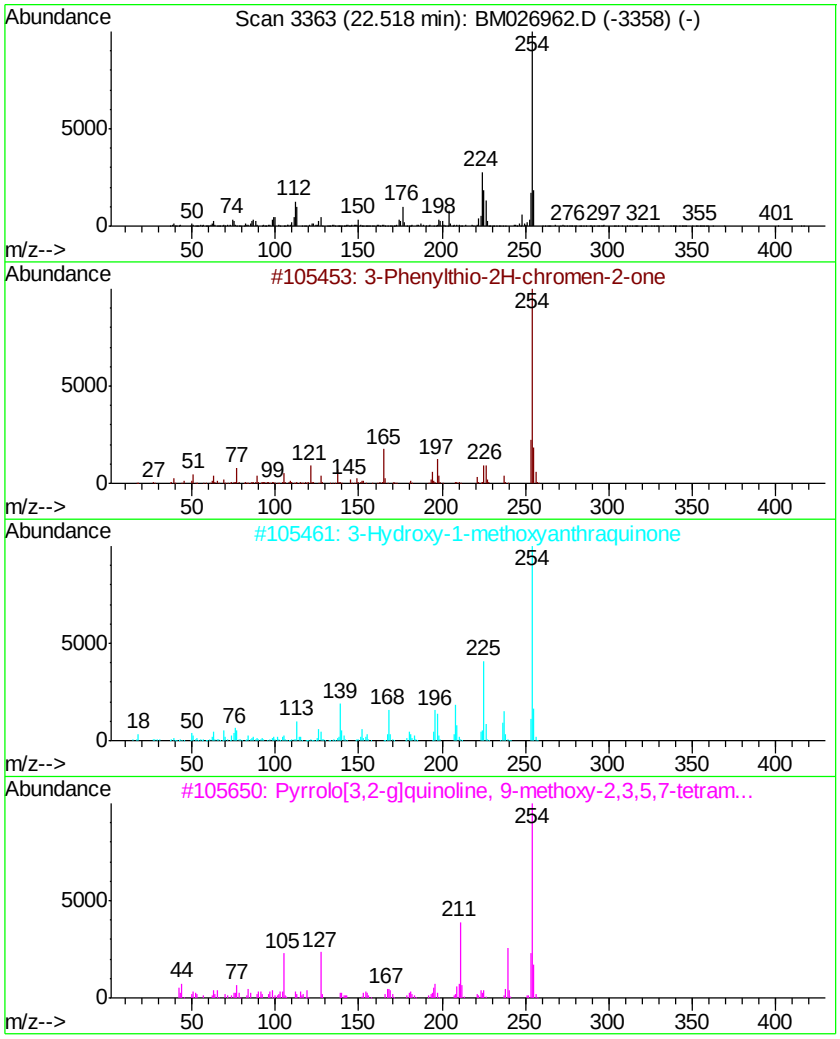
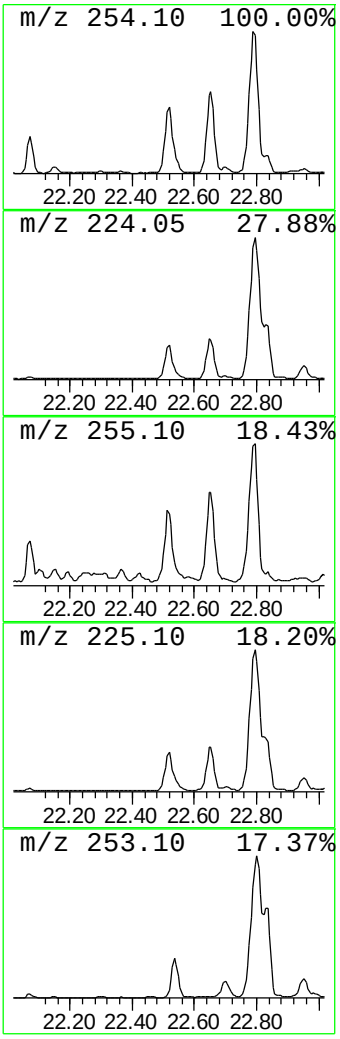
Peak Number 27 3-Phenylthio-2H-chromen-2-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	24.90 ng/ul	1823060	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	59
2	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	59
3	Pyrrolo[3,2-g]quinoline, 9-metho...	254	C16H18N2O	199918-71-3	50
4	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	50
5	9,10-Anthracenedione, 1,8-dihydr...	254	C15H10O4	000481-74-3	50





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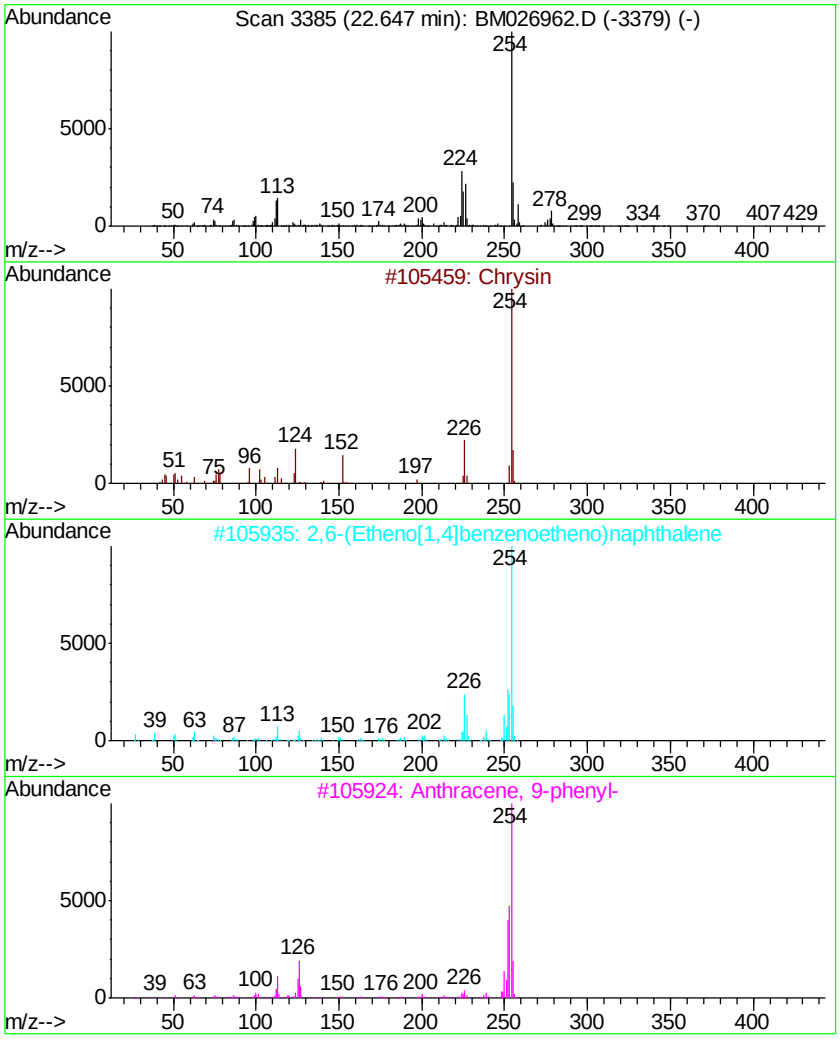
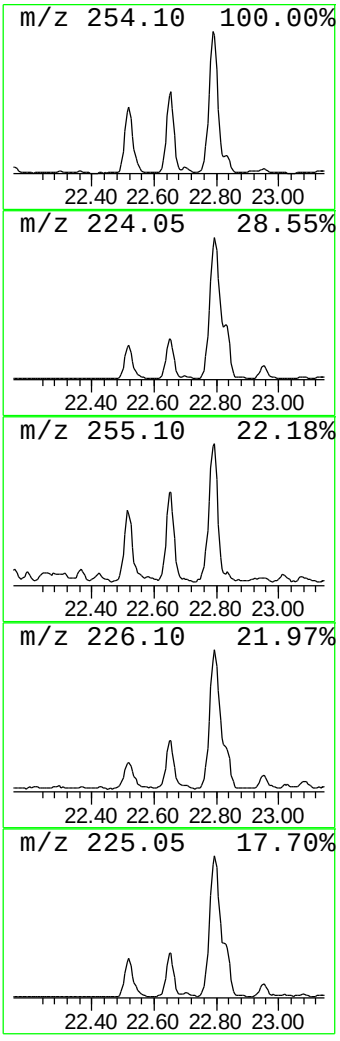
Peak Number 28 Chrysin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	17.25 ng/ul	1263410	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	58
2	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	53
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	49
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	49
5	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	47





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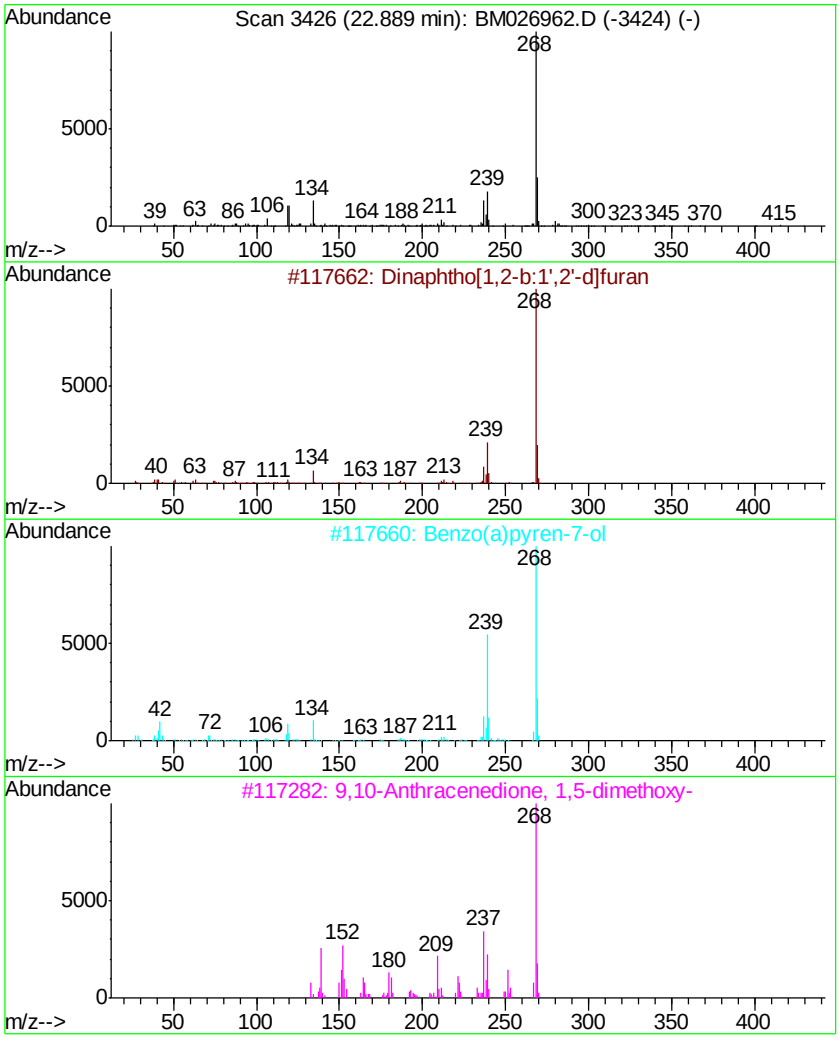
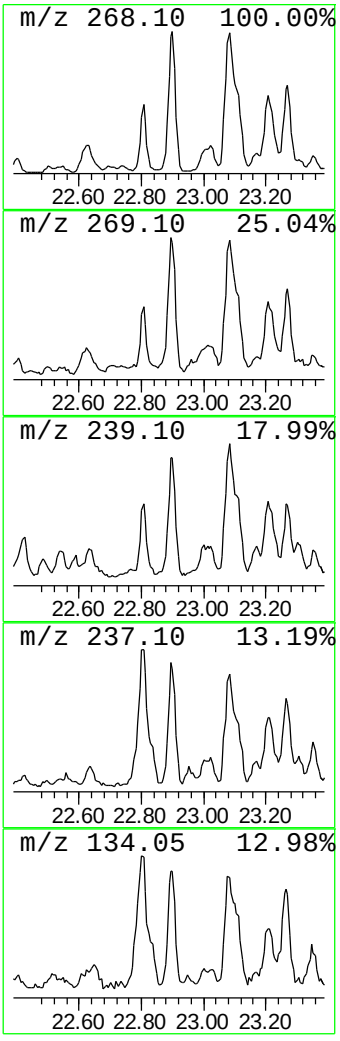
Peak Number 29 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	5.87 ng/ul	429879	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	89
2	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	74
3	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	72
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
5	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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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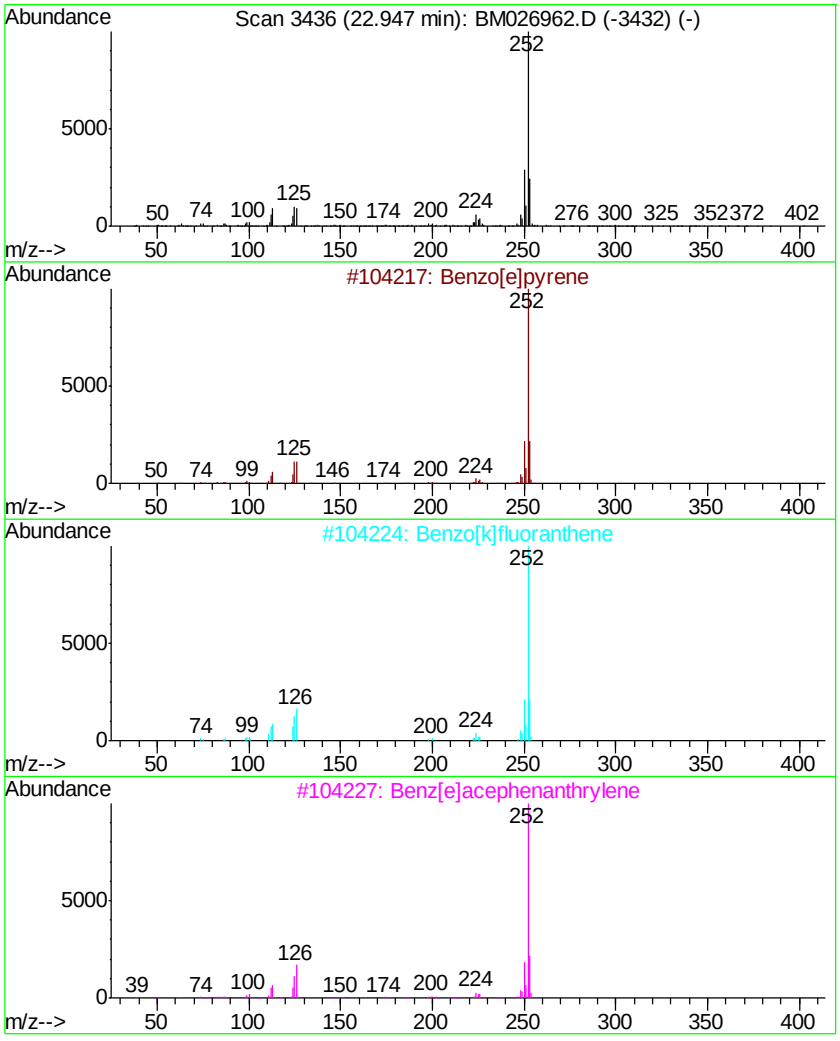
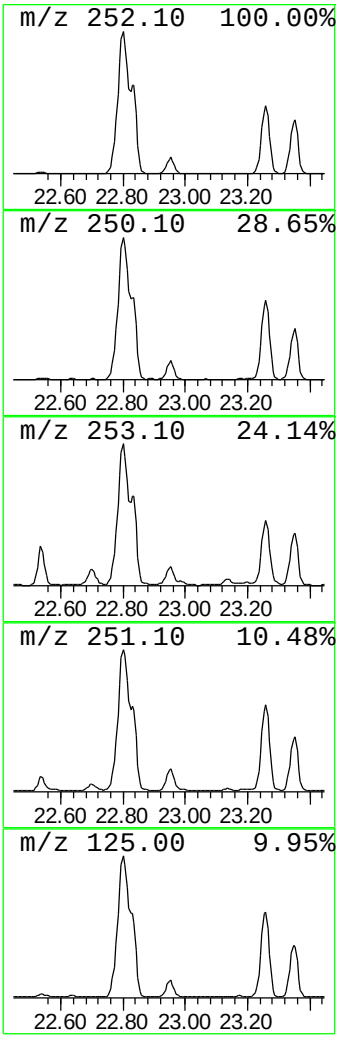
Peak Number 30 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	15.74 ng/ul	1152350	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	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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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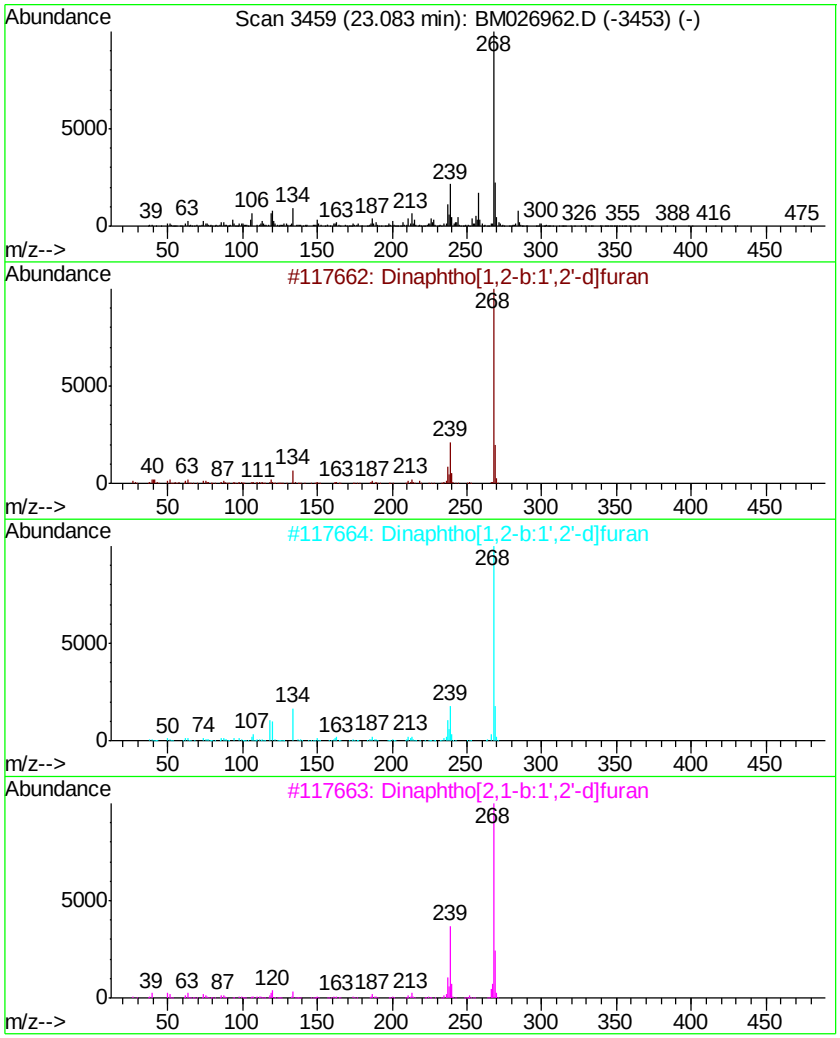
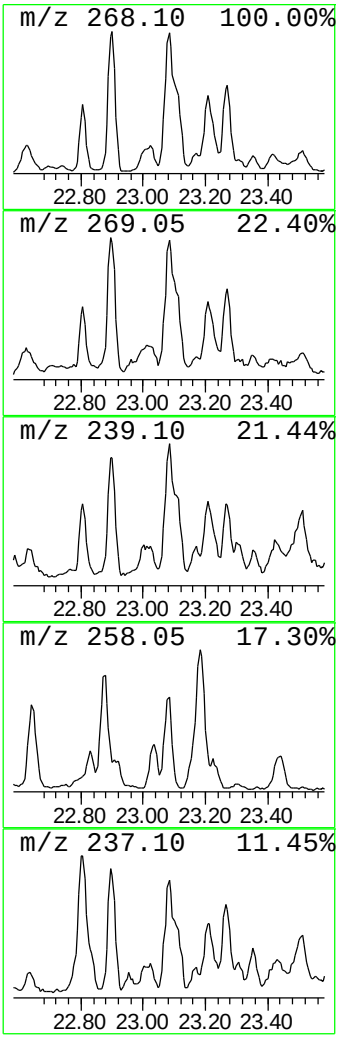
Peak Number 31 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	16.44 ng/ul	1203530	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[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

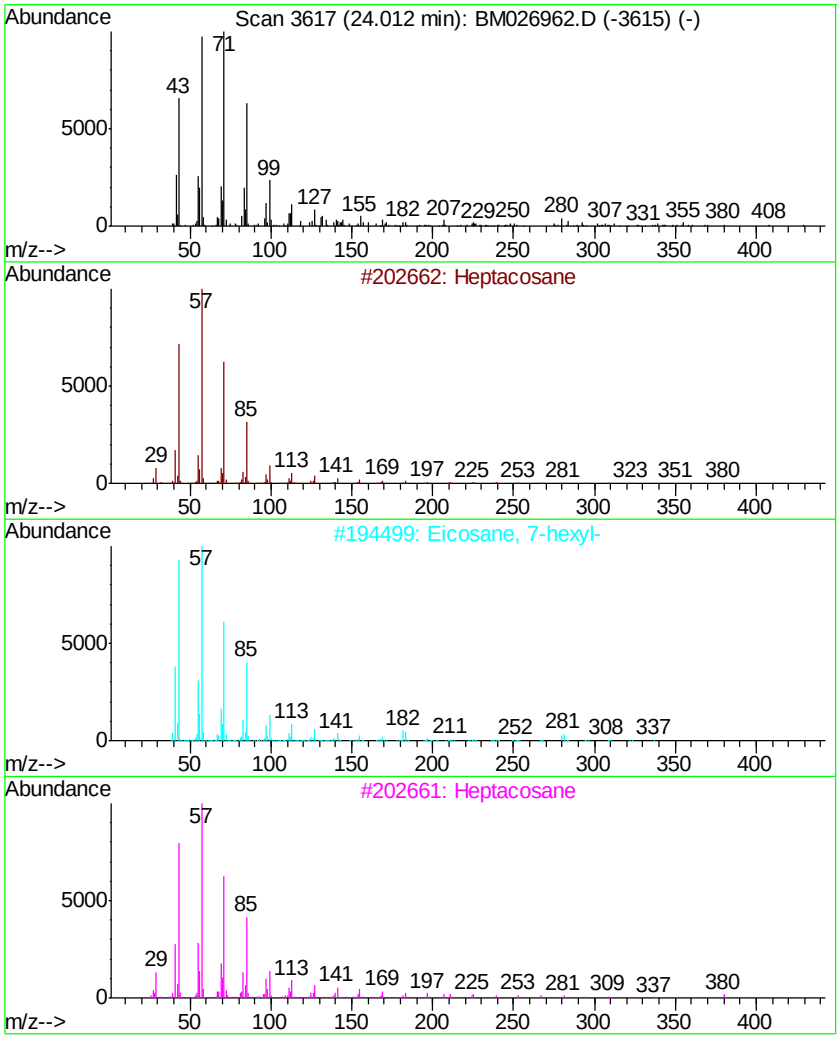
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

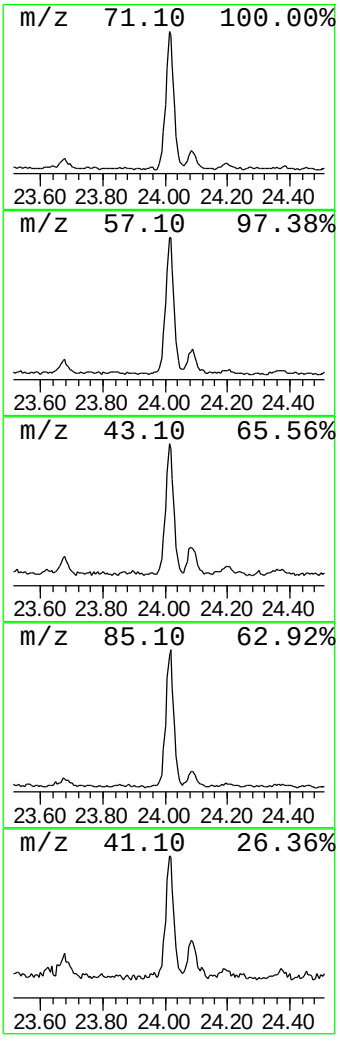
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	5.87 ng/ul	429579	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	80
3	Heptacosane	380	C27H56	000593-49-7	80
4	Hexacosane	366	C26H54	000630-01-3	80
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM073120\
Data File : BM026962.D
Acq On : 31 Jul 2020 17:28
Operator : JU/CG
Sample : L3424-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S82

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	6.3	ng/ul	208383	1	7.66	656890	20.0
Butane, 2-methoxy...	2.98	21.8	ng/ul	715148	1	7.66	656890	20.0
Indene	8.20	2.9	ng/ul	94815	1	7.66	656890	20.0
Indole	11.93	2.1	ng/ul	98930	2	10.43	925086	20.0
unknown-01	15.59	2.4	ng/ul	143215	3	14.30	1185580	20.0
Benzo[c]cinnoline	16.68	2.3	ng/ul	159751	4	17.04	1400070	20.0
1H-Cyclopropa[l]p...	17.95	3.9	ng/ul	271144	4	17.04	1400070	20.0
Anthracene, 1-met...	18.04	2.4	ng/ul	170580	4	17.04	1400070	20.0
4H-Cyclopenta[def...	18.11	3.8	ng/ul	266434	4	17.04	1400070	20.0
9,10-Anthracenedione	18.45	5.1	ng/ul	354659	4	17.04	1400070	20.0
Naphthalic anhydride	18.83	3.6	ng/ul	251827	4	17.04	1400070	20.0
Cyclopenta(def)ph...	18.97	9.4	ng/ul	658296	4	17.04	1400070	20.0
4-Azapyrene	19.69	2.0	ng/ul	667169	5	21.23	6518610	20.0
Pyrene, 1-methyl-	19.80	2.7	ng/ul	889811	5	21.23	6518610	20.0
Fluoranthene, 2-m...	19.92	5.0	ng/ul	1642390	5	21.23	6518610	20.0
Pyrene, 2-methyl-	20.11	2.9	ng/ul	959468	5	21.23	6518610	20.0
11H-Benzo[a]fluor...	20.71	3.1	ng/ul	1010710	5	21.23	6518610	20.0
Benzo[b]naphtho[2...	20.87	3.3	ng/ul	1083350	5	21.23	6518610	20.0
Benzo[c]phenanthrene	20.91	2.6	ng/ul	837964	5	21.23	6518610	20.0
Cyclopenta[cd]pyrene	20.95	5.9	ng/ul	1918680	5	21.23	6518610	20.0
Naphtho[2,1,8,7-k...	21.53	2.7	ng/ul	881303	5	21.23	6518610	20.0
1-Phenyldibenzofuran	21.58	2.0	ng/ul	660381	5	21.23	6518610	20.0
Triphenylene, 2-m...	21.77	2.5	ng/ul	828314	5	21.23	6518610	20.0
Benz(a)anthracene...	21.83	3.6	ng/ul	1165670	5	21.23	6518610	20.0
unknown-02	22.40	7.5	ng/ul	547735	6	23.44	1464520	20.0
3-Phenylthio-2H-c...	22.52	24.9	ng/ul	1823060	6	23.44	1464520	20.0
Chrysin	22.65	17.3	ng/ul	1263410	6	23.44	1464520	20.0
Dinaphtho[1,2-b:1...	22.89	5.9	ng/ul	429879	6	23.44	1464520	20.0
Benzo[e]pyrene	22.95	15.7	ng/ul	1152350	6	23.44	1464520	20.0
Dinaphtho[2,1-b:1...	23.08	16.4	ng/ul	1203530	6	23.44	1464520	20.0
(DEL) Alkane: Str...	24.01	5.9	ng/ul	429579	6	23.44	1464520	20.0