LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020781.D
Acq On : 07 Jun 2019 01:50
Operator : HP/JU
Sample : K3201-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC4

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-BM060619MA.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	3.046	6	10	16	rBV	6659302	7573788	55.76%	3.208%
2	4.946	326	333	341	rVB2	140938	243752	1.79%	0.103%
3	6.969	670	677	693	rVB	1381461	2369986	17.45%	1.004%
4	7.151	701	708	720	rBV	1042962	1712934	12.61%	0.726%
5	7.340	733	740	749	rBV	1443764	2307160	16.99%	0.977%
6	7.810	809	820	827	rBV	1057100	1686650	12.42%	0.714%
7	8.510	932	939	946	rVV	1630386	2654804	19.55%	1.124%
8	8.969	1010	1017	1024	rVV	1365534	2229078	16.41%	0.944%
9	9.687	1130	1139	1149	rBV	1092609	1840994	13.55%	0.780%
10	10.216	1216	1229	1239	rBV	1882722	3042529	22.40%	1.289%
11	10.604	1284	1295	1300	rBV	1343789	2374182	17.48%	1.006%
12	10.739	1309	1318	1337	rBV	1204144	2185261	16.09%	0.926%
13	12.263	1570	1577	1584	rVB2	135899	232422	1.71%	0.098%
14	13.769	1827	1833	1838	rVV	133573	248462	1.83%	0.105%
15	13.857	1843	1848	1853	rVV	2976278	4315081	31.77%	1.828%
16	13.904	1853	1856	1864	rVB	1157126	1570742	11.56%	0.665%
17	14.139	1890	1896	1908	rVB	3572632	5638079	41.51%	2.388%
18	14.445	1938	1948	1955	rBV2	1884563	3072439	22.62%	1.301%
19	14.510	1955	1959	1967	rVV	321666	517005	3.81%	0.219%
20	14.639	1975	1981	1992	rVV	1133054	1707631	12.57%	0.723%
21	14.845	2012	2016	2024	rVV	301154	495322	3.65%	0.210%
22	15.239	2075	2083	2087	rBV3	129573	254774	1.88%	0.108%
23	15.439	2110	2117	2123	rVV	4426128	6363229	46.85%	2.695%
24	15.492	2123	2126	2131	rVB2	284648	404078	2.98%	0.171%
25	15.557	2131	2137	2144	rBV	993398	1384980	10.20%	0.587%
26	15.792	2172	2177	2184	rVB	185198	314949	2.32%	0.133%
27	15.939	2193	2202	2209	rVB	167959	380324	2.80%	0.161%
28	16.168	2225	2241	2247	rBV7	176926	490233	3.61%	0.208%
29	16.727	2328	2336	2339	rBV3	160514	319871	2.36%	0.135%
30	16.768	2339	2343	2346	rVV3	144469	222516	1.64%	0.094%
31	16.845	2352	2356	2363	rVB	377868	592048	4.36%	0.251%
32	16.921	2364	2369	2371	rBV	145962	223691	1.65%	0.095%
33	16.945	2371	2373	2380	rVV3	175236	272293	2.00%	0.115%
34	17.010	2380	2384	2393	rVB	280378	465338	3.43%	0.197%

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Sample : K3201-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC4

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-BM060619MA.M
Title : SVOA CALIBRATION

35	17.192	2409	2415	2418	rBV	2396778	3412248	25.12%	1.445%
36	17.239	2418	2423	2427	rVV	5067522	7381211	54.34%	3.126%
37	17.292	2427	2432	2436	rVV2	4740204	6888209	50.71%	2.917%
38	17.327	2436	2438	2443	rVV	936318	1031494	7.59%	0.437%
39	17.598	2475	2484	2493	rBV2	456889	989026	7.28%	0.419%
40	17.774	2509	2514	2522	rVB4	166480	289762	2.13%	0.123%
41	18.086	2554	2567	2569	rBV2	1595642	3222338	23.72%	1.365%
42	18.115	2569	2572	2577	rVV	1370907	1949785	14.36%	0.826%
43	18.192	2581	2585	2590	rVV	374699	591689	4.36%	0.251%
44	18.257	2590	2596	2600	rVV2	1107596	2067642	15.22%	0.876%
45	18.298	2600	2603	2609	rVB	656226	890185	6.55%	0.377%
46	18.380	2612	2617	2620	rVV2	220362	323498	2.38%	0.137%
47	18.568	2644	2649	2652	rVV	669535	924562	6.81%	0.392%
48	18.609	2652	2656	2663	rVV	828739	1175514	8.65%	0.498%
49	18.809	2687	2690	2694	rVV3	278012	391208	2.88%	0.166%
50	18.862	2696	2699	2702	rVV	249424	308724	2.27%	0.131%
51	18.904	2702	2706	2709	rVB2	247221	307886	2.27%	0.130%
52	18.986	2715	2720	2726	rBV3	652536	1324340	9.75%	0.561%
53	19.074	2733	2735	2739	rVB	259875	304549	2.24%	0.129%
54	19.127	2739	2744	2751	rBV2	666992	1106533	8.15%	0.469%
55	19.251	2757	2765	2771	rVB	10165361	13582242	100.00%	5.753%
56	19.315	2772	2776	2778	rBV	184744	236193	1.74%	0.100%
57	19.362	2778	2784	2788	rBV2	841225	1283761	9.45%	0.544%
58	19.445	2794	2798	2801	rBV3	252140	359044	2.64%	0.152%
59	19.492	2803	2806	2809	rVB	257279	317825	2.34%	0.135%
60	19.586	2816	2822	2824	rBV2	6847982	9827758	72.36%	4.163%
61	19.615	2824	2827	2834	rVV	8973042	11514233	84.77%	4.877%
62	19.680	2834	2838	2845	rVB2	570780	902949	6.65%	0.382%
63	19.792	2852	2857	2861	rVB	480006	684413	5.04%	0.290%
64	19.851	2863	2867	2872	rVB2	320099	515072	3.79%	0.218%
65	19.933	2875	2881	2888	rBV3	763120	1962493	14.45%	0.831%
66	20.068	2899	2904	2906	rBV4	564894	986466	7.26%	0.418%
67	20.103	2907	2910	2916	rVB3	1028739	1658511	12.21%	0.702%
68	20.203	2923	2927	2931	rBV	454284	587673	4.33%	0.249%
69	20.262	2931	2937	2941	rVV2	997766	1641876	12.09%	0.695%
70	20.303	2941	2944	2947	rVB	314867	336948	2.48%	0.143%
71	20.345	2947	2951	2955	rBV2	220314	298826	2.20%	0.127%

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AC4

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-BM060619MA.M
Title : SVOA CALIBRATION

72	20.403	2957	2961	2964	rBV2	603847	737213	5.43%	0.312%
73	20.451	2965	2969	2973	rVB2	622137	811678	5.98%	0.344%
74	20.621	2994	2998	3000	rVB2	282343	333926	2.46%	0.141%
75	20.851	3033	3037	3043	rVB	1336762	1772888	13.05%	0.751%
76	21.015	3058	3065	3069	rBV2	948738	1967761	14.49%	0.833%
77	21.056	3069	3072	3073	rVV	1024656	1134612	8.35%	0.481%
78	21.080	3073	3076	3083	rVV4	2269928	4192414	30.87%	1.776%
79	21.145	3084	3087	3095	rVB	1270856	1877337	13.82%	0.795%
80	21.286	3107	3111	3114	rVB	1364358	1589316	11.70%	0.673%
81	21.356	3118	3123	3129	rVV3	6773131	13402618	98.68%	5.677%
82	21.409	3129	3132	3141	rVB	5500668	7038019	51.82%	2.981%
83	21.521	3147	3151	3157	rBV2	977336	1419939	10.45%	0.601%
84	21.686	3174	3179	3184	rBV3	602144	1106091	8.14%	0.468%
85	21.733	3184	3187	3191	rVB5	278072	340044	2.50%	0.144%
86	21.927	3217	3220	3223	rVB	858338	961768	7.08%	0.407%
87	21.980	3223	3229	3235	rVB3	1065681	2315081	17.04%	0.981%
88	22.127	3251	3254	3257	rBV	399436	475312	3.50%	0.201%
89	22.433	3303	3306	3317	rVB2	1016971	1773952	13.06%	0.751%
90	22.968	3390	3397	3402	rBV2	4831494	12527326	92.23%	5.306%
91	23.139	3422	3426	3432	rVB	823373	1394282	10.27%	0.591%
92	23.456	3474	3480	3484	rBV	2286658	4406059	32.44%	1.866%
93	23.509	3484	3489	3493	rVV2	3847260	7888867	58.08%	3.341%
94	23.556	3493	3497	3505	rVB	3797962	7112565	52.37%	3.013%
95	23.656	3508	3514	3518	rVV	2038826	3945450	29.05%	1.671%
96	23.703	3519	3522	3530	rVB2	1042486	2068439	15.23%	0.876%
97	24.197	3601	3606	3615	rVB2	1028791	2117536	15.59%	0.897%
98	24.286	3617	3621	3627	rBV2	444146	971364	7.15%	0.411%
99	25.968	3899	3907	3922	rVB	1937780	6101712	44.92%	2.584%
100	26.674	4020	4027	4037	rVB	1069412	3034777	22.34%	1.285%

Sum of corrected areas: 236101657

LSC Report - Integrated Chromatogram

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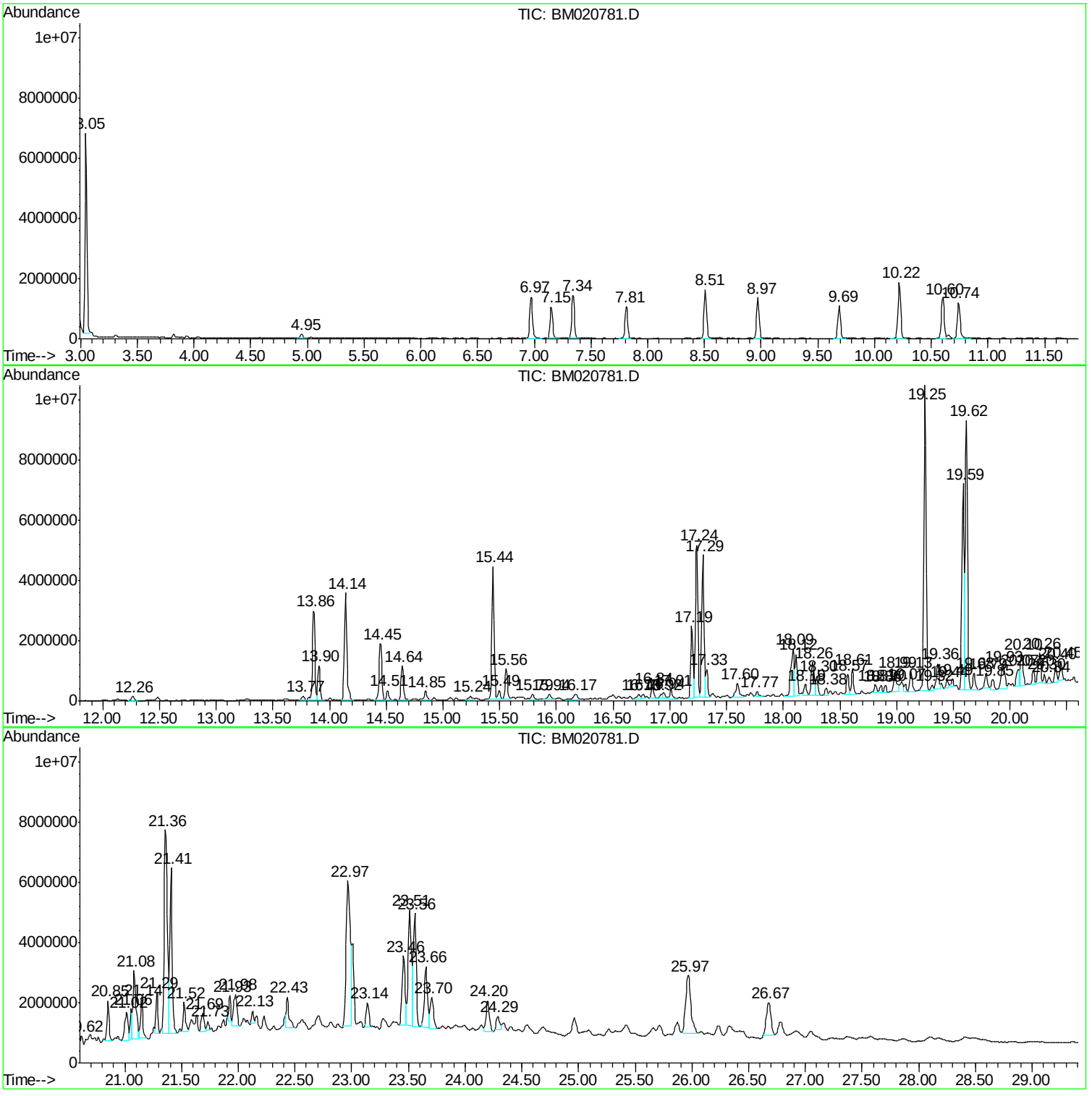
Sample : K3201-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020781.D
Acq On : 07 Jun 2019 01:50
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Instrument : BNA_M
ClientSampleId : C0AC4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

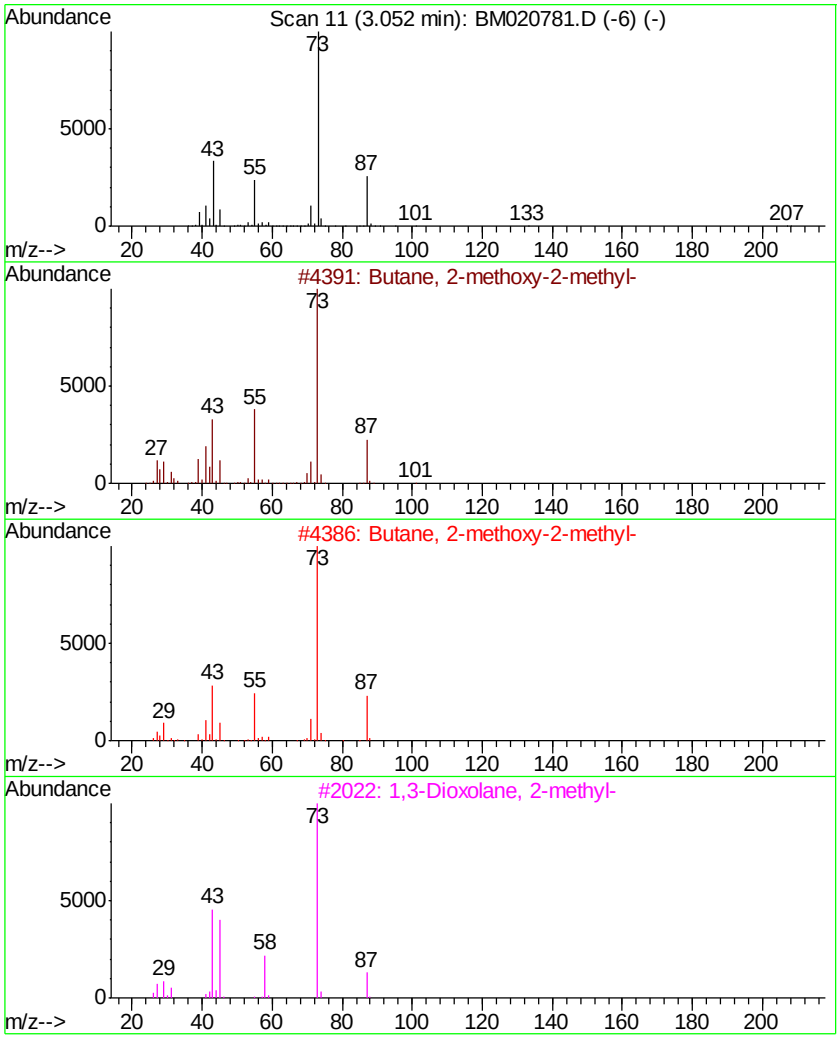
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

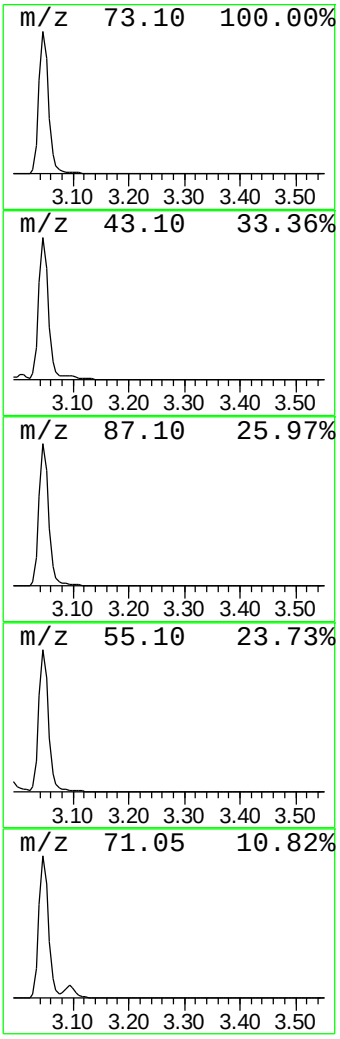
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	89.81 ng/ul	7573790	1,4-Dichlorobenzene-d4	7.81

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	78
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0AC4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

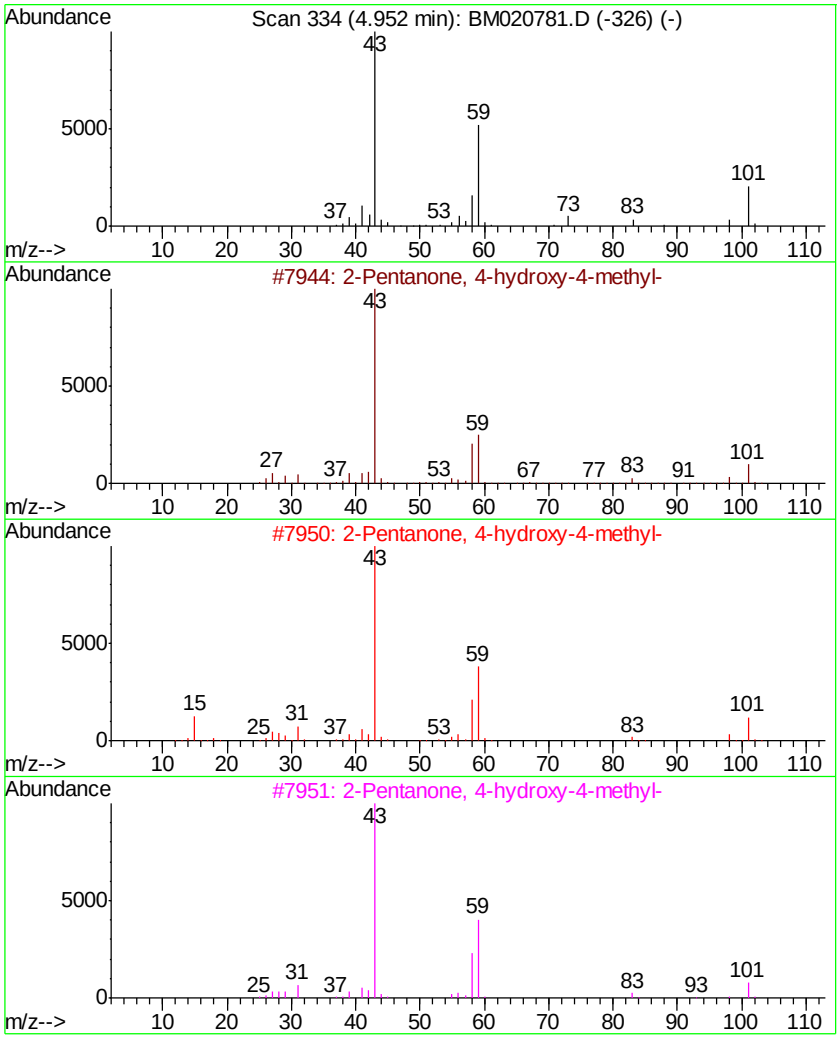
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

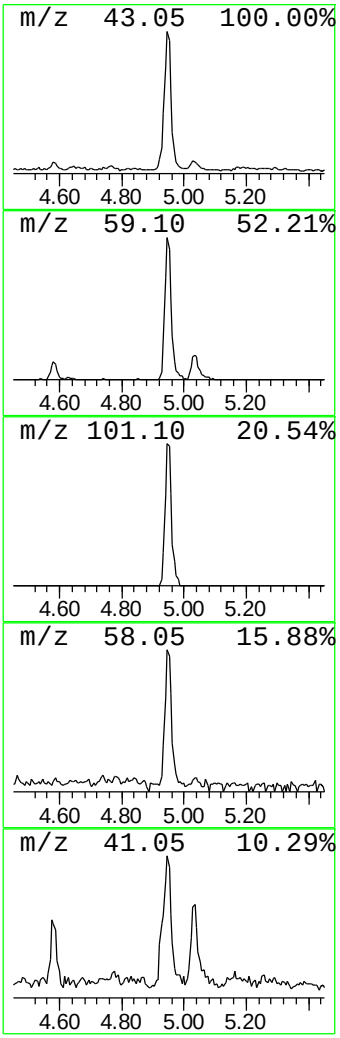
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	2.89 ng/ul	243752	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28





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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

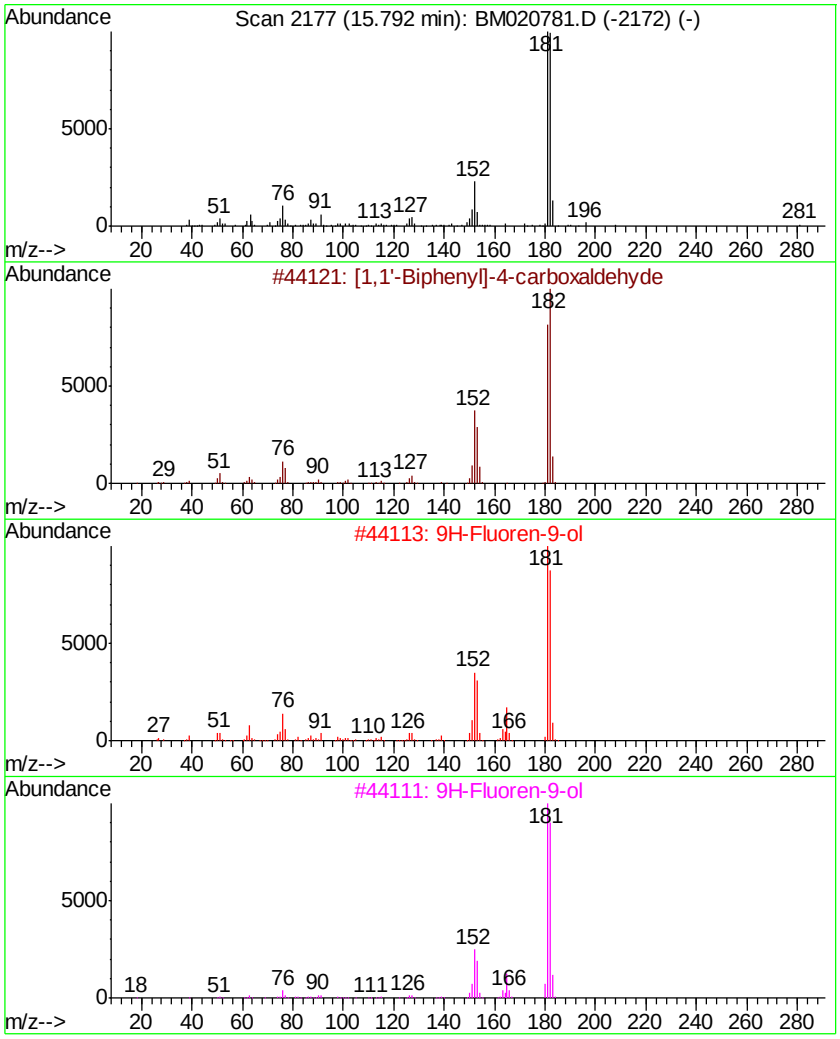
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

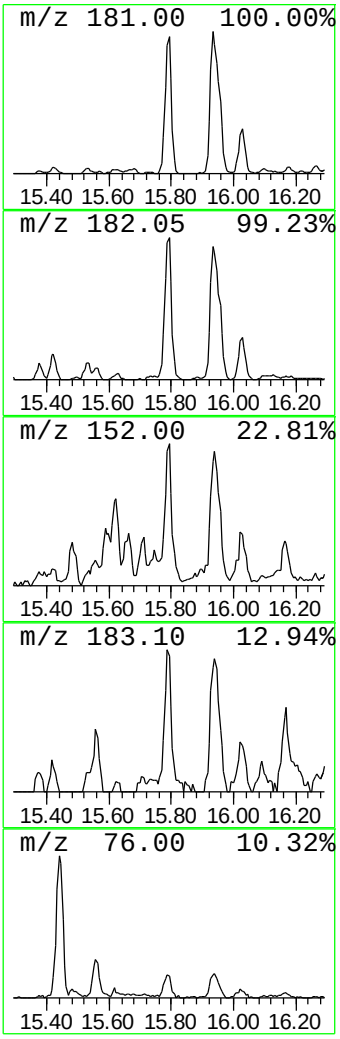
****

Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.05 ng/ul	314949	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

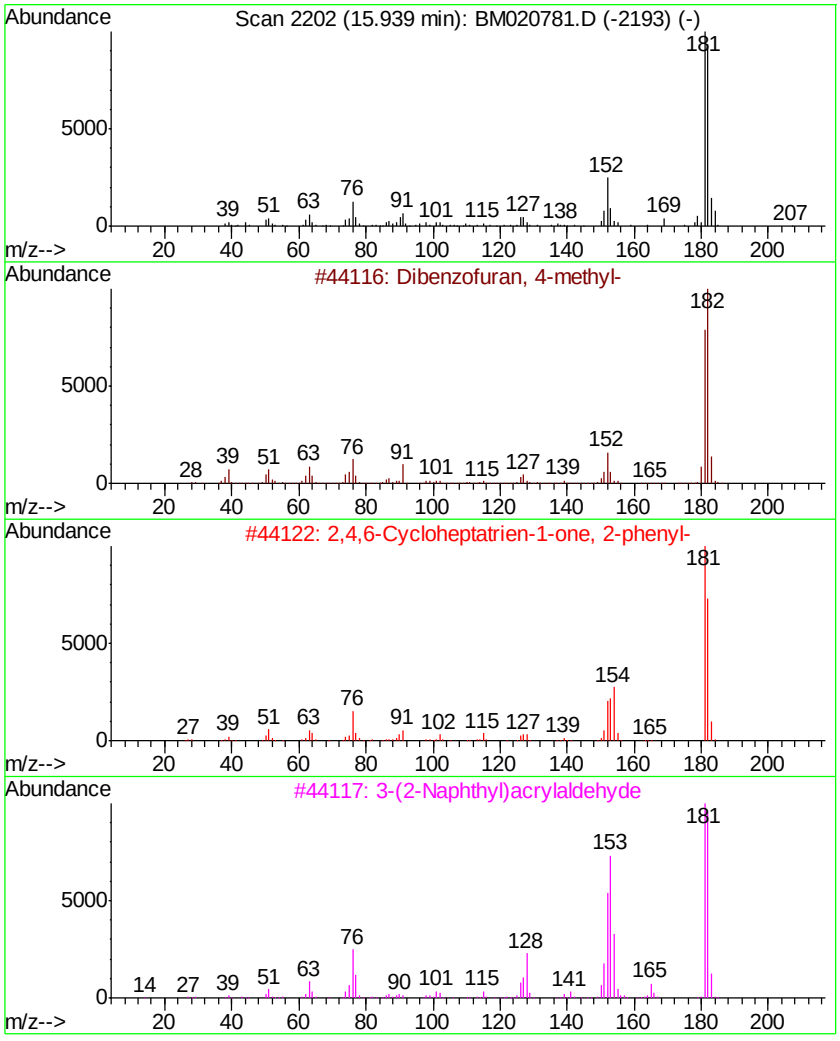
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

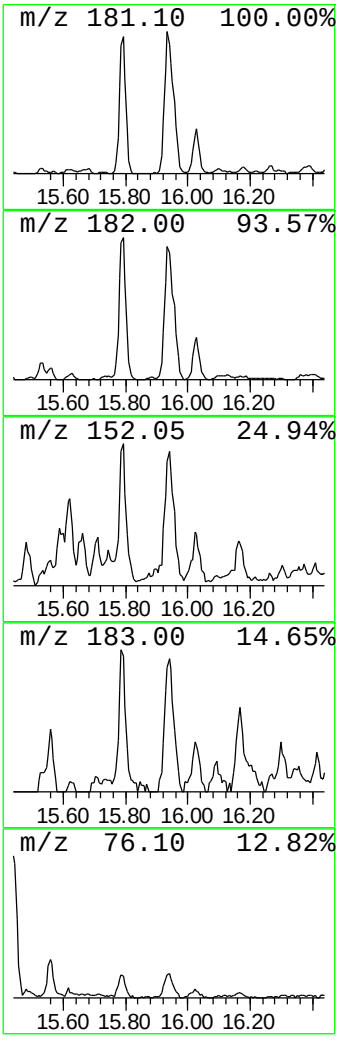
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	2.23 ng/ul	380324	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74





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Data File : BM020781.D
Acq On : 07 Jun 2019 01:50
Operator : HP/JU
Sample : K3201-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

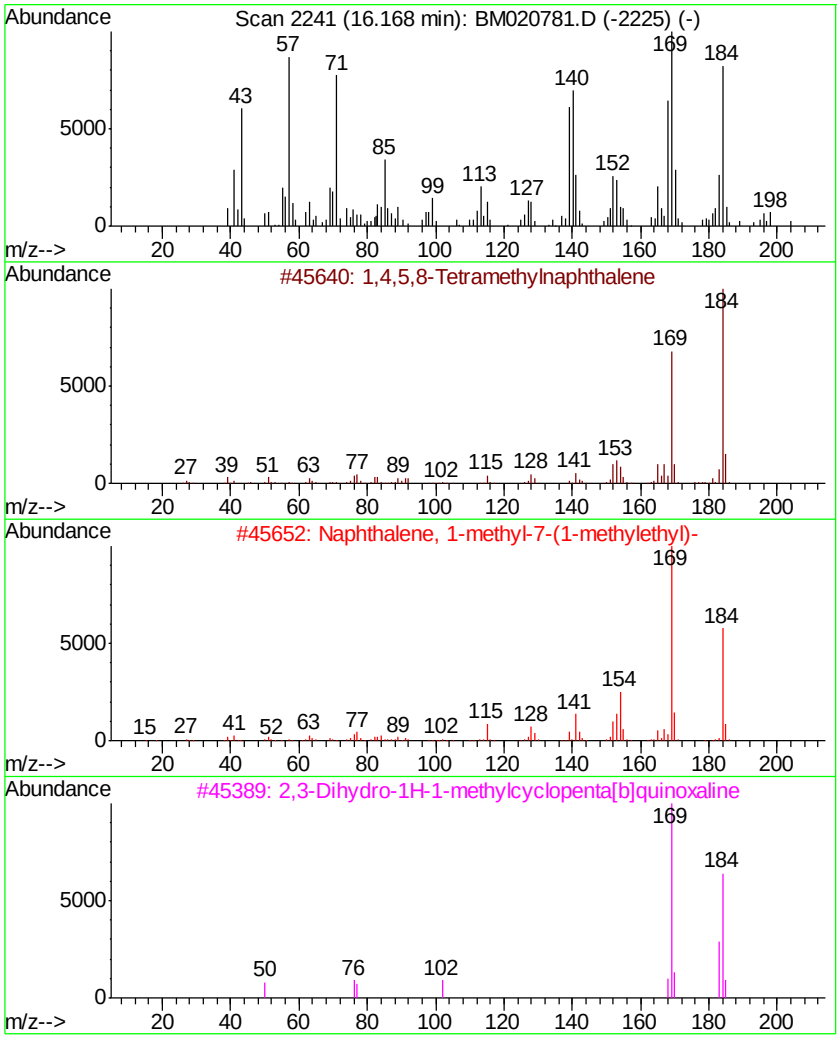
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

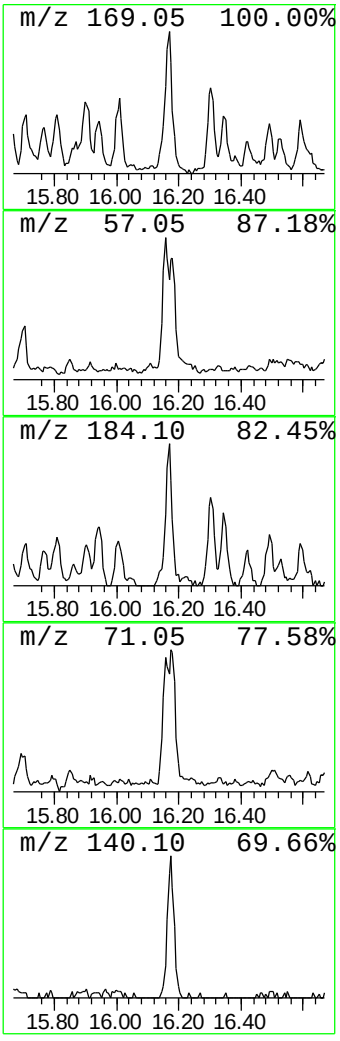
****

Peak Number 5 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	2.87 ng/ul	490233	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	45
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	38
3	2,3-Dihydro-1H-1-methylcyclopent...	184	C12H12N2	026629-21-0	35
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	30
5	4-(4-Methylphenyl)pyridine	169	C12H11N	004423-10-3	25





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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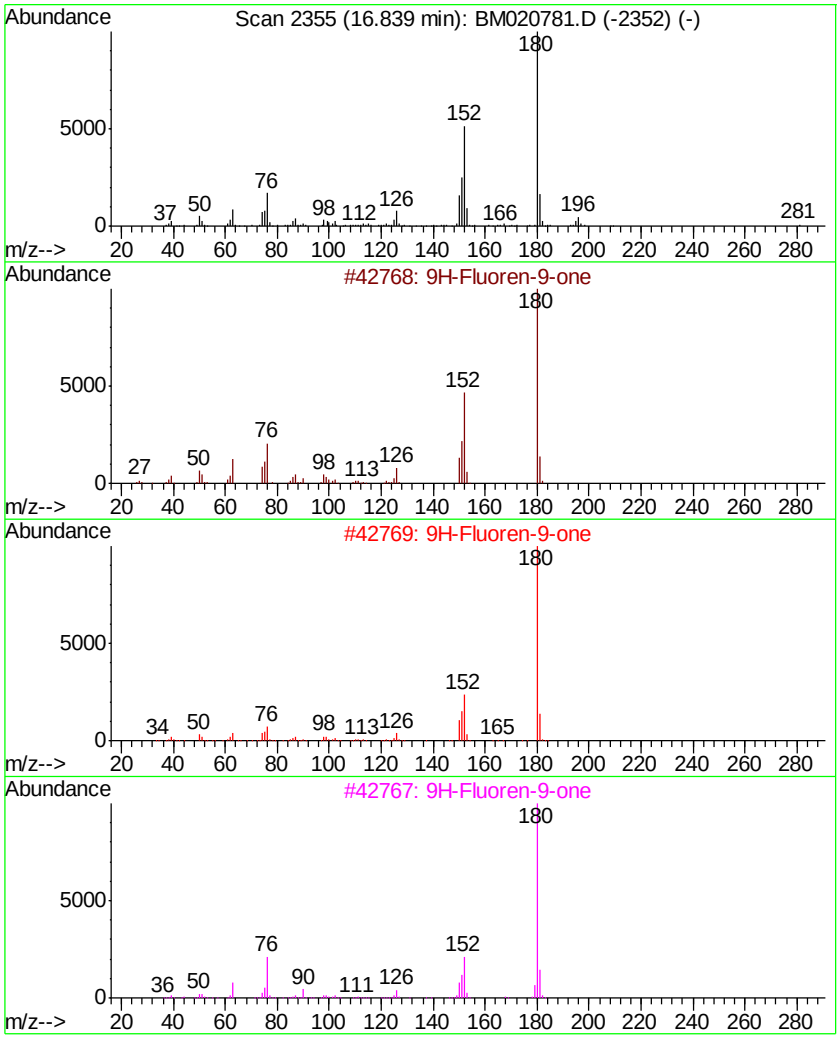
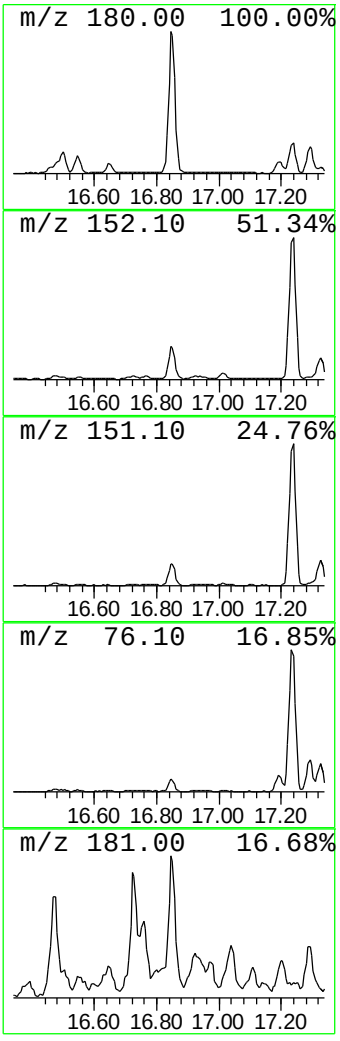
Peak Number 6 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	3.47 ng/ul	592048	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





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Quant Title : SVOA CALIBRATION

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

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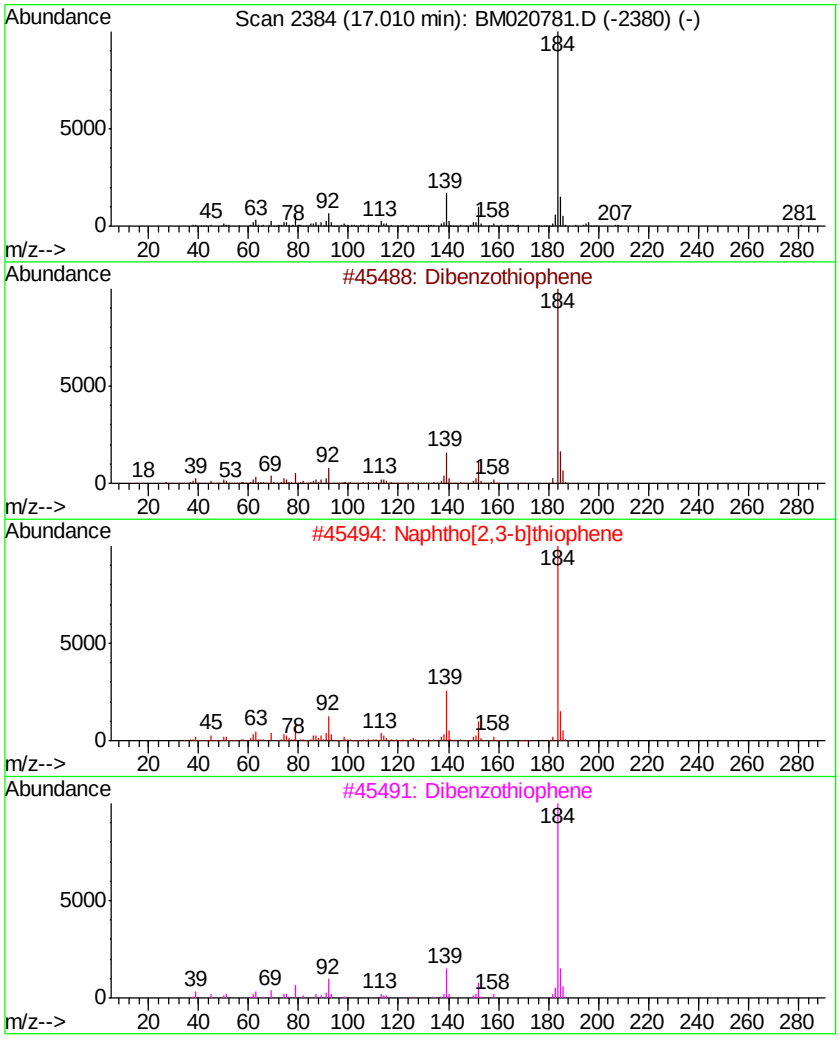
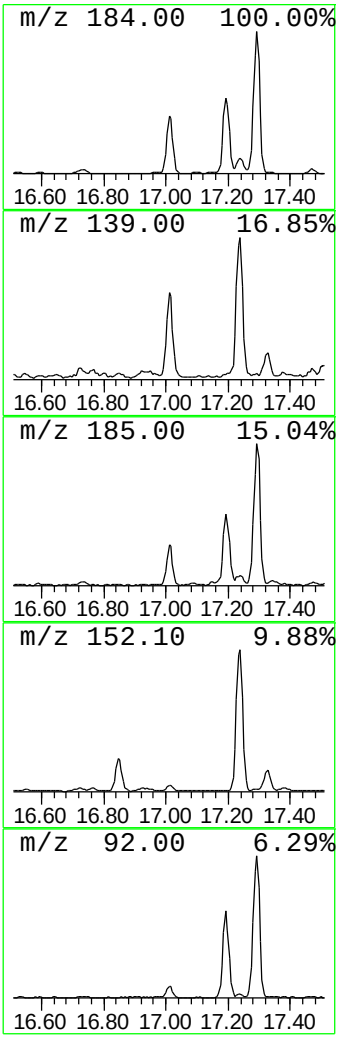
Peak Number 7 Dibenzothiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.73 ng/ul	465338	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Quant Title : SVOA CALIBRATION

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

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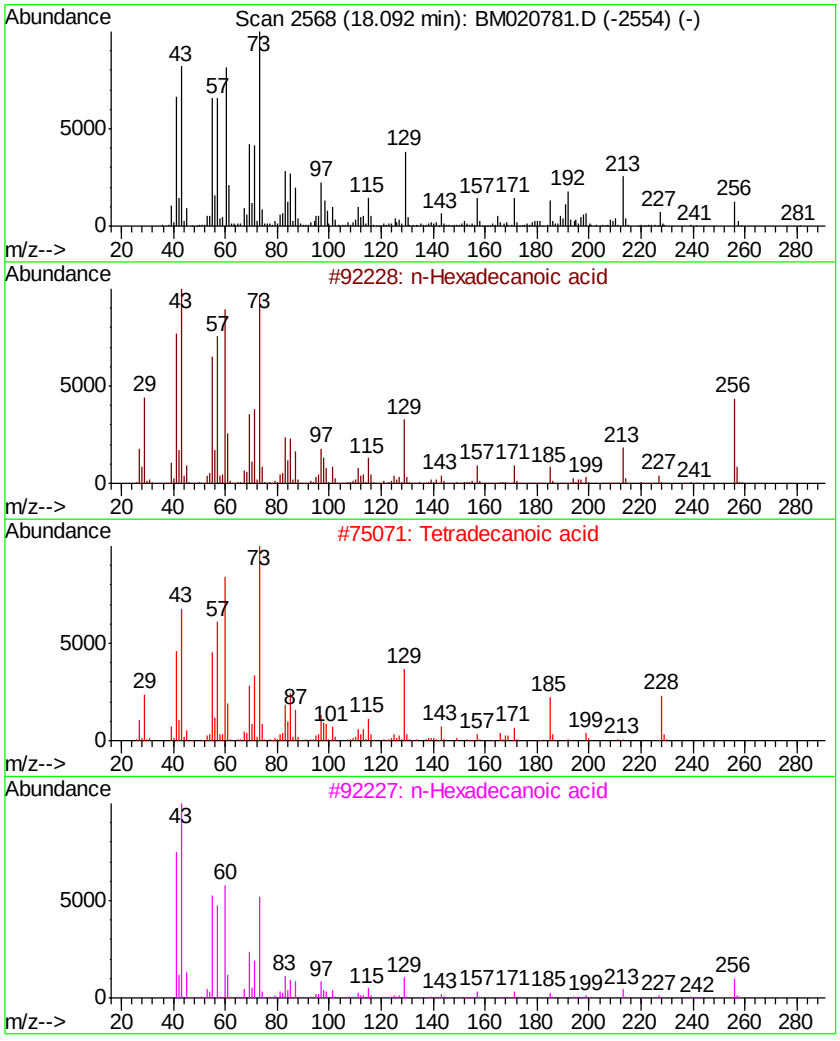
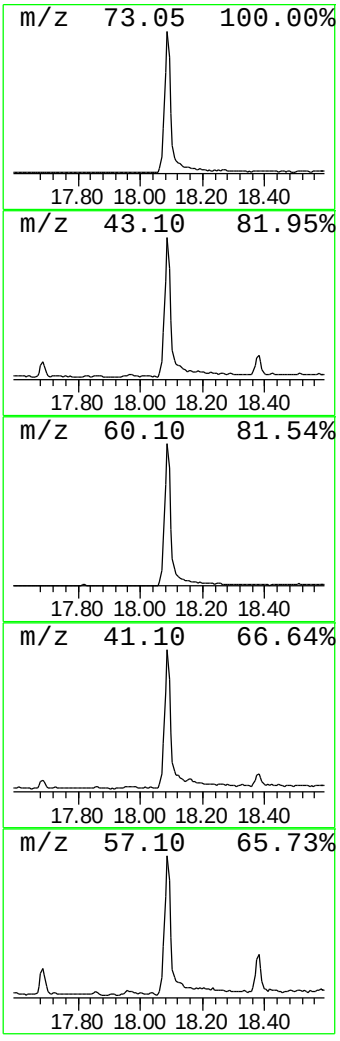
Peak Number 8 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	18.89 ng/ul	3222340	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
5	Tridecanoic acid	214	C13H26O2	000638-53-9	87





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Quant Title : SVOA CALIBRATION

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

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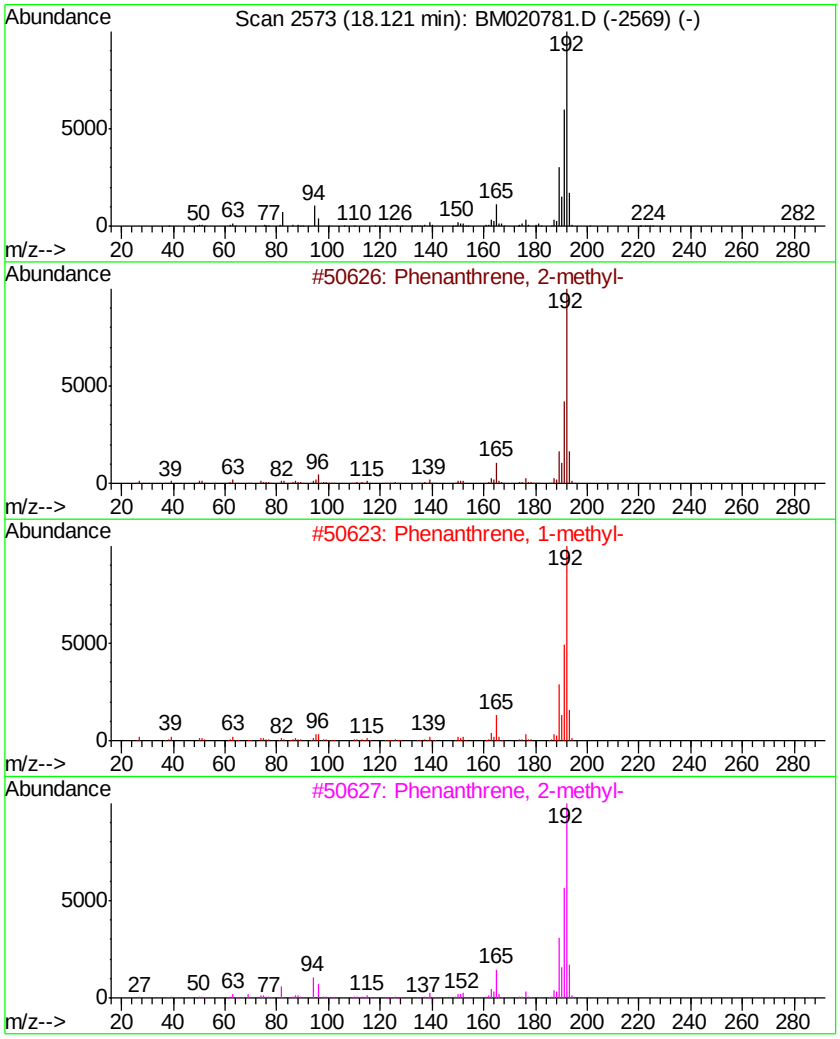
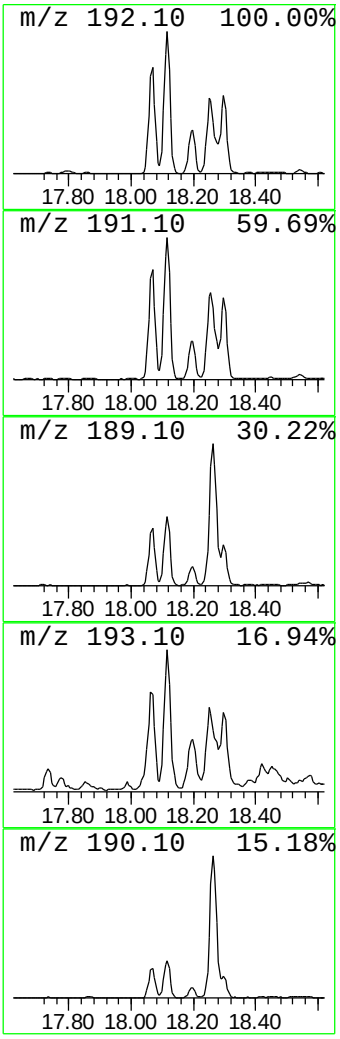
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	11.43 ng/ul	1949790	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Quant Title : SVOA CALIBRATION

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

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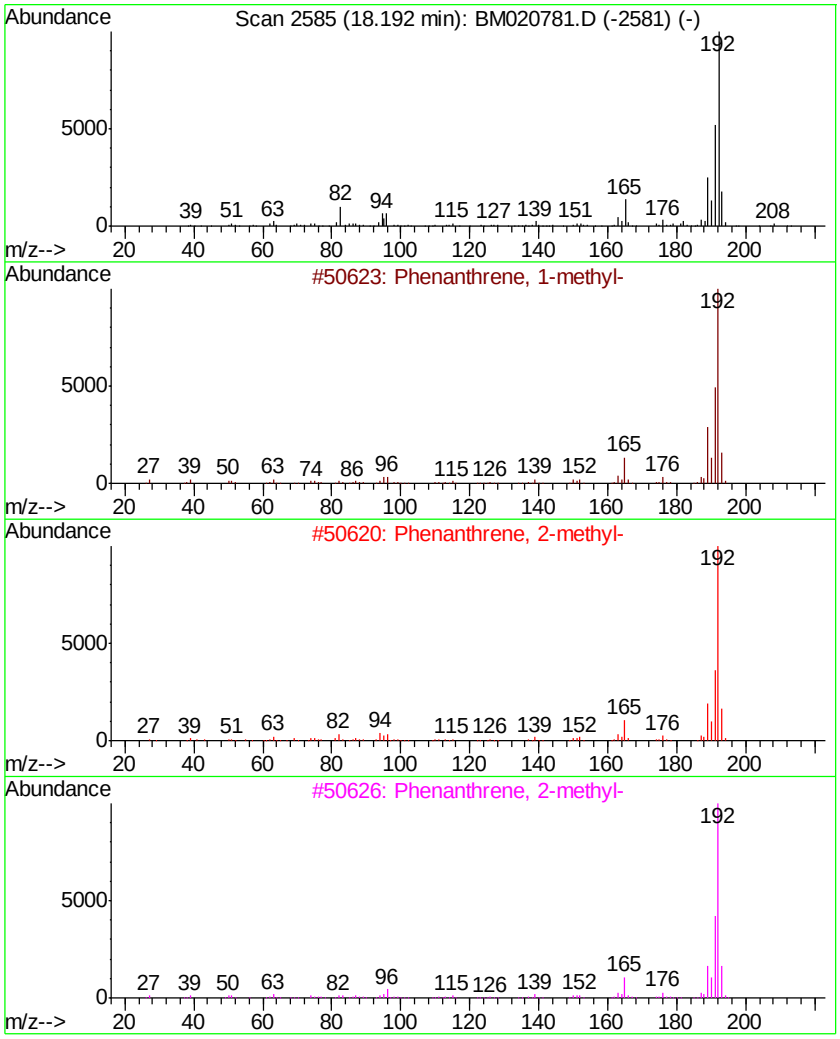
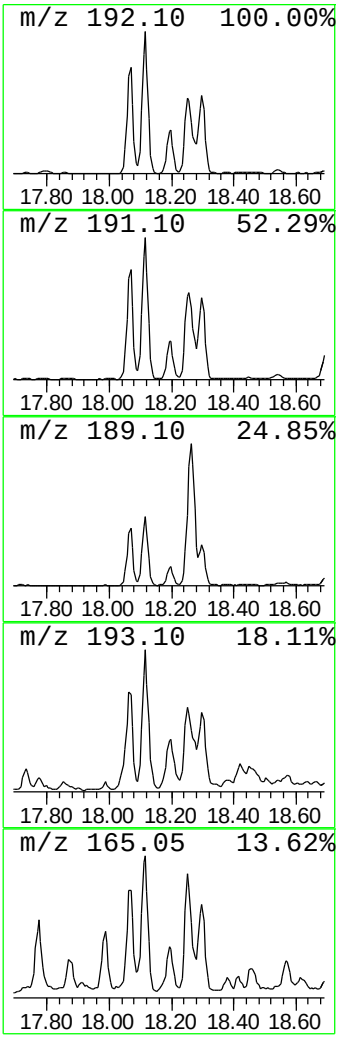
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.47 ng/ul	591689	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Quant Title : SVOA CALIBRATION

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

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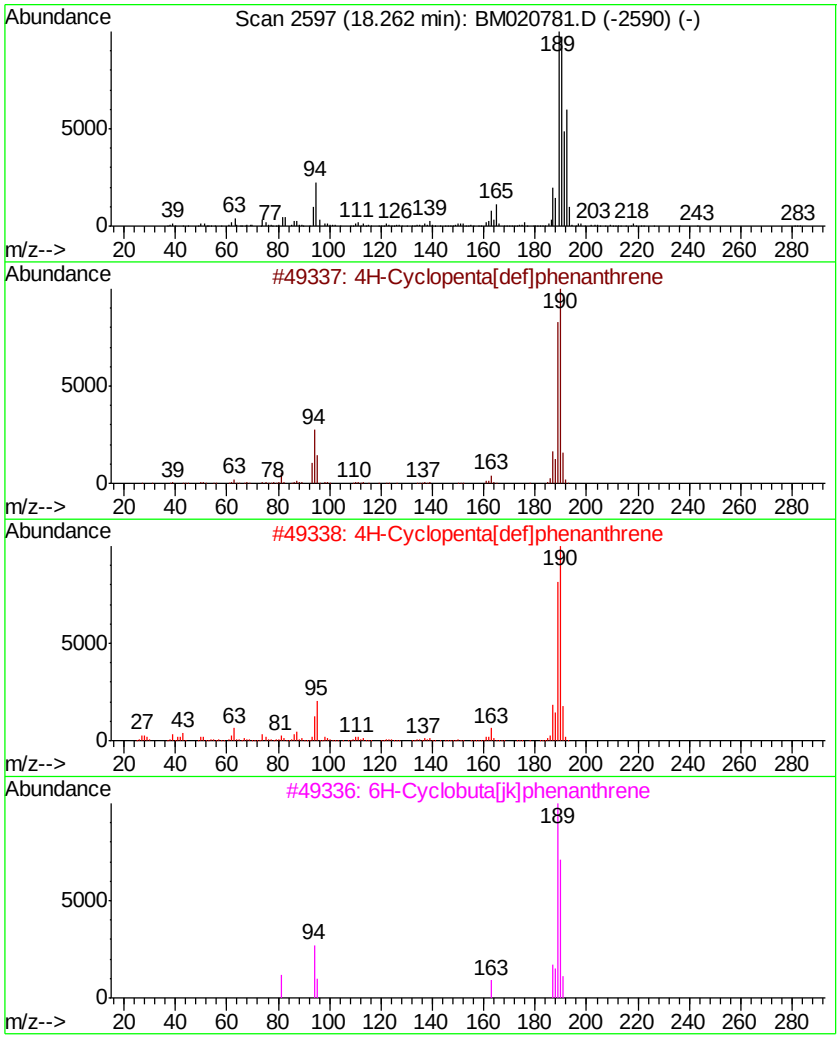
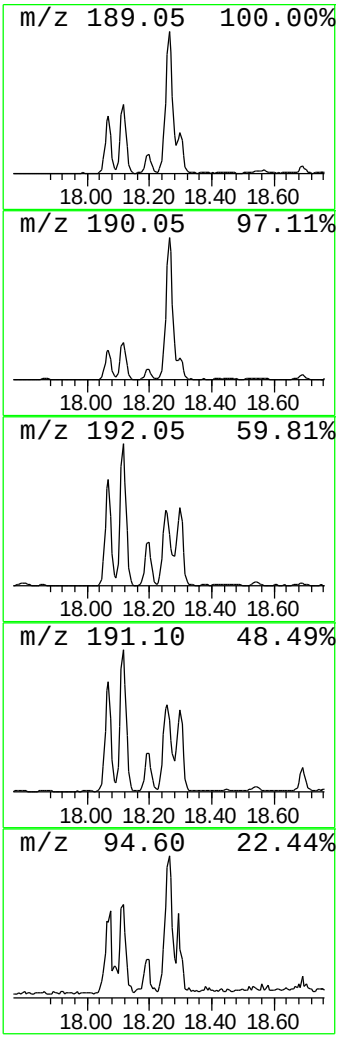
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	12.12 ng/ul	2067640	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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Quant Title : SVOA CALIBRATION

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

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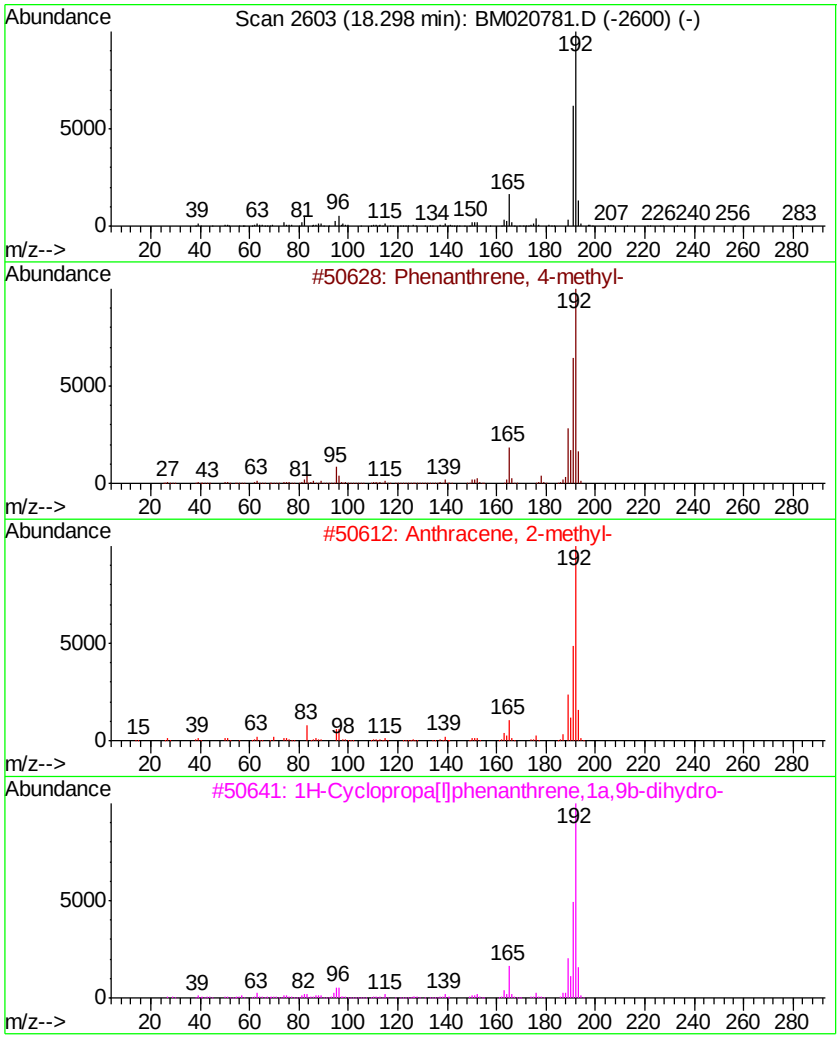
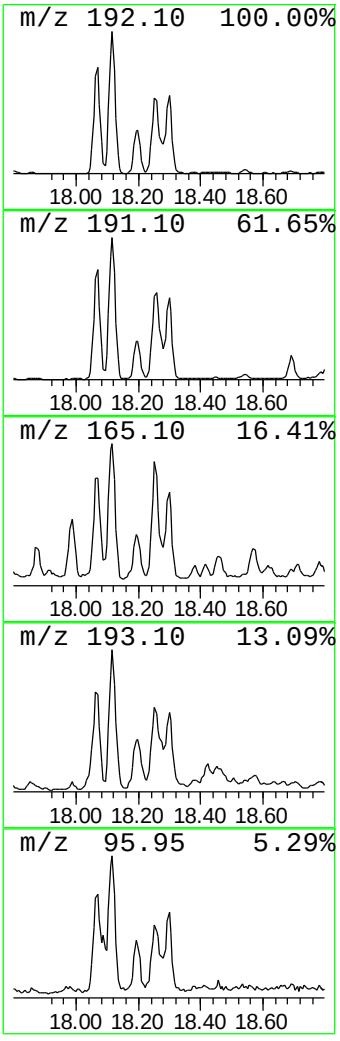
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	5.22 ng/ul	890185	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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

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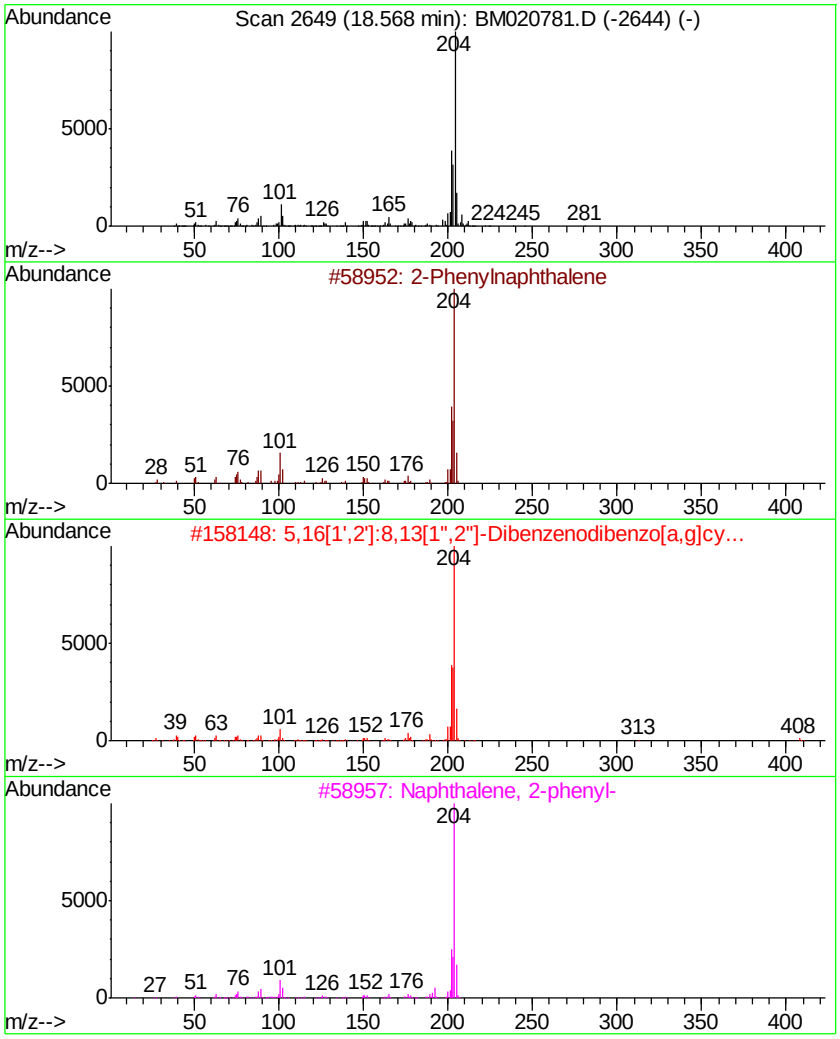
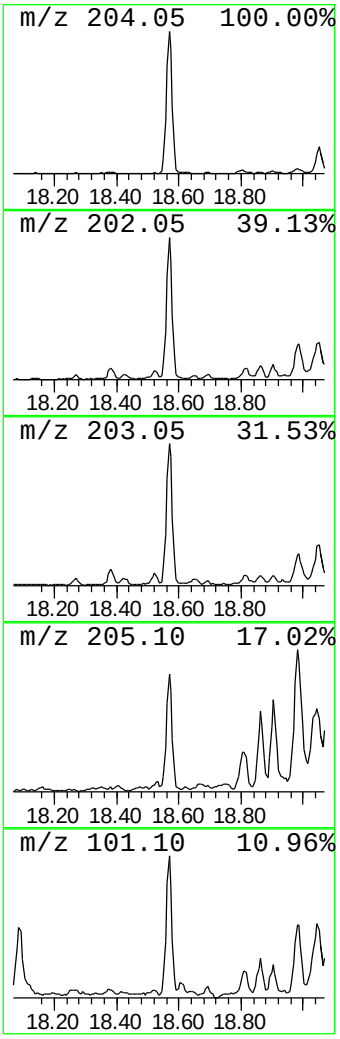
Peak Number 13 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.42 ng/ul	924562	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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

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Peak Number 14 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	6.89 ng/ul	1175510	Phenanthrene-d10	17.19

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
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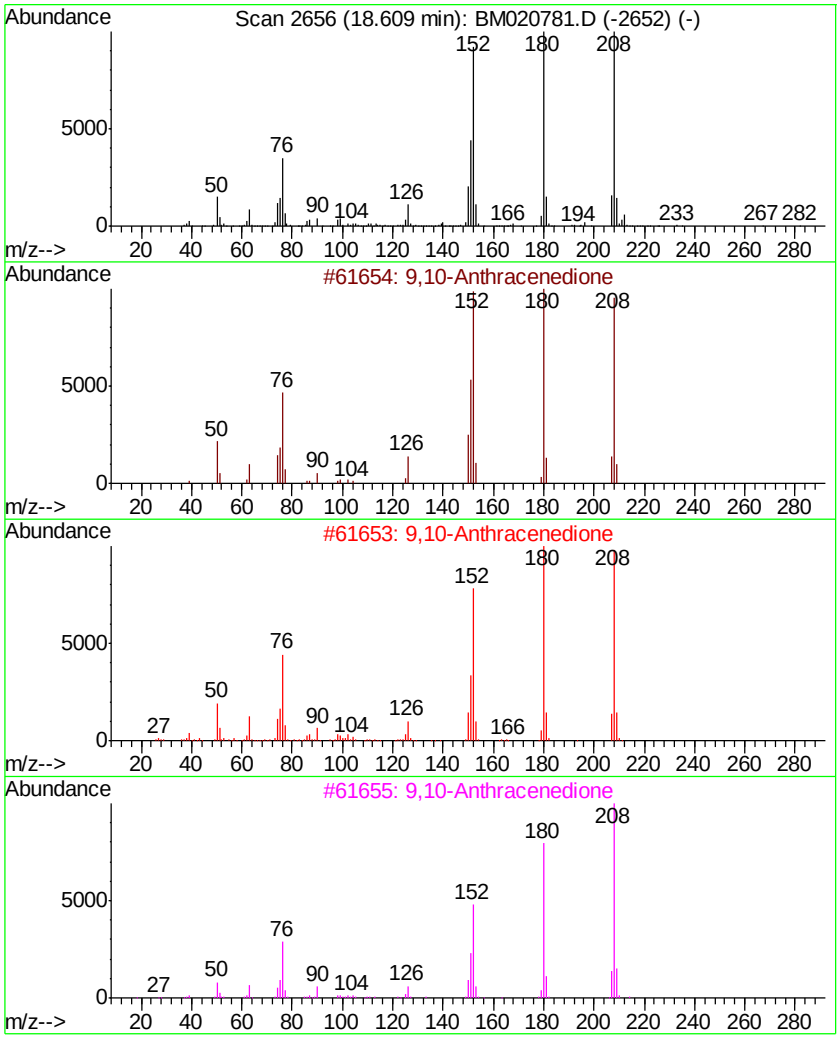

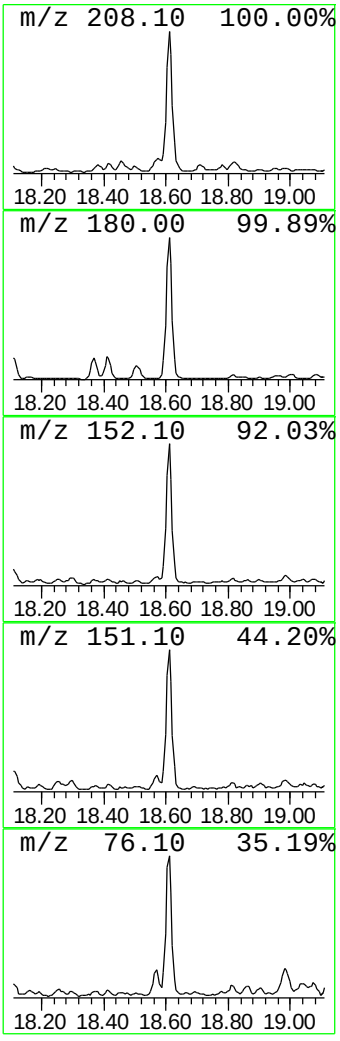

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Quant Title : SVOA CALIBRATION

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

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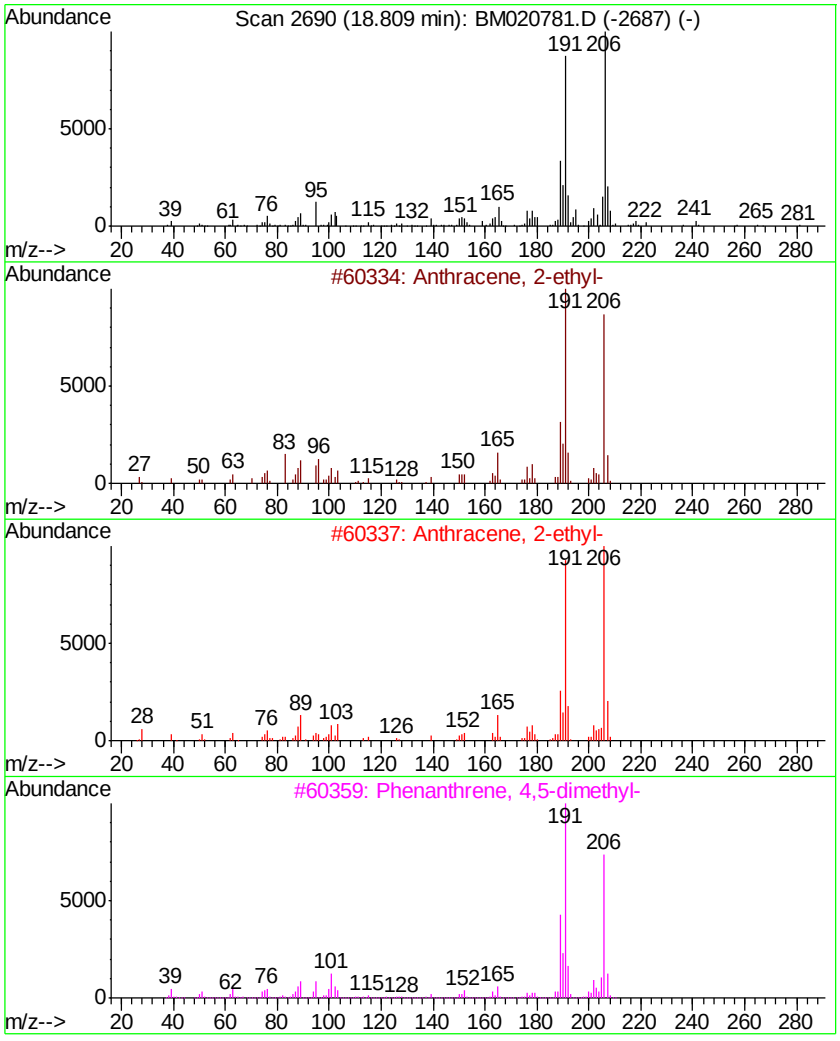
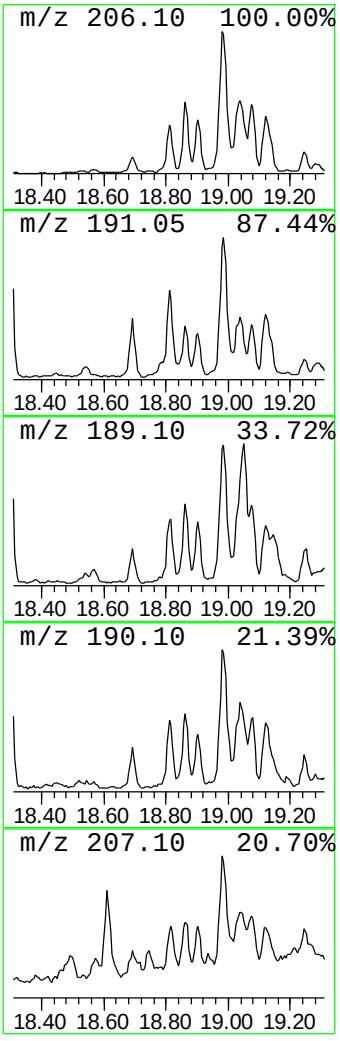
Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.29 ng/ul	391208	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89





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

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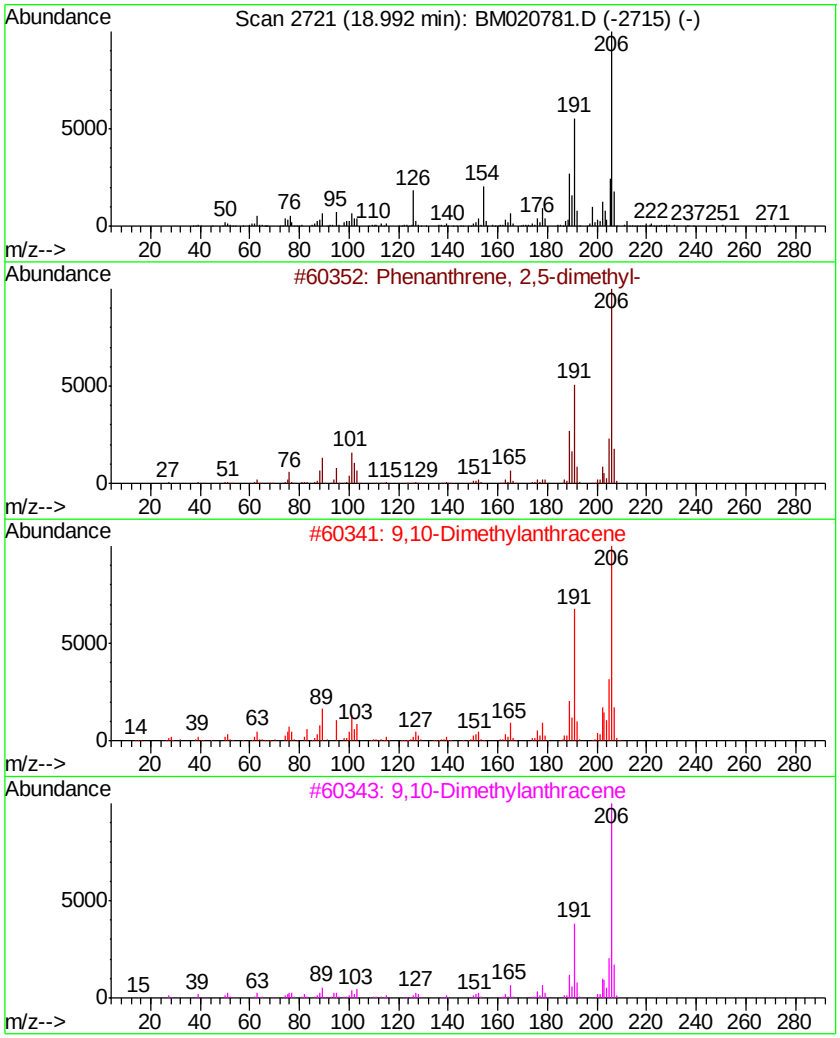
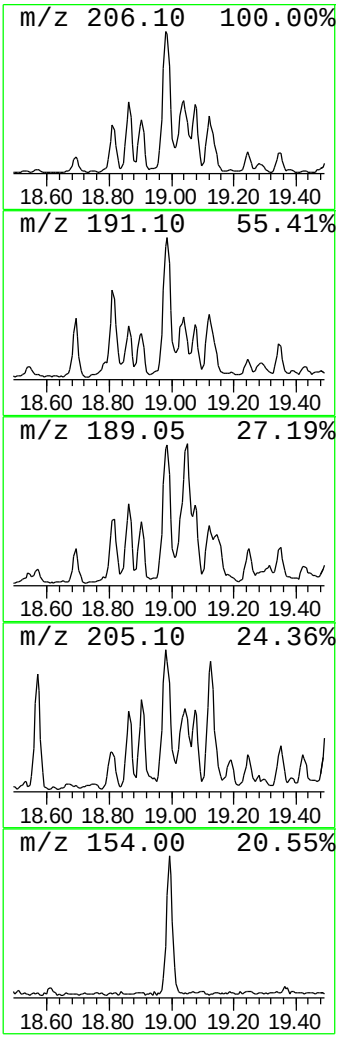
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	7.76 ng/ul	1324340	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Instrument : BNA_M
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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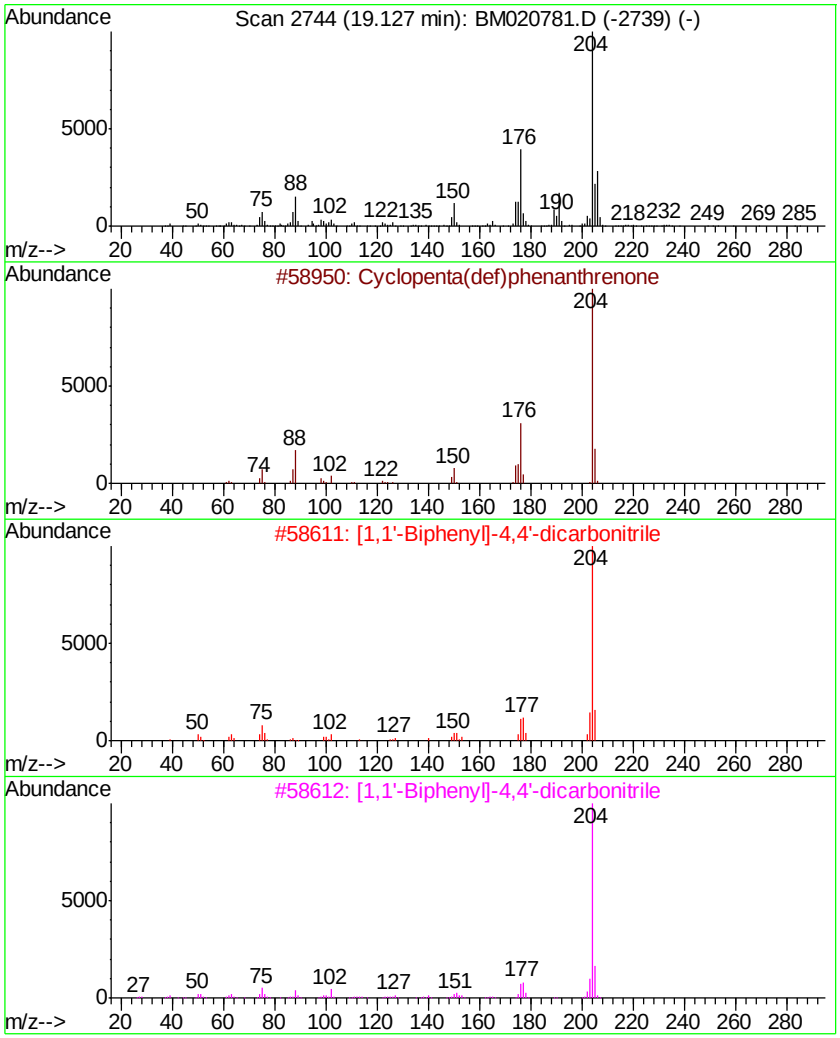
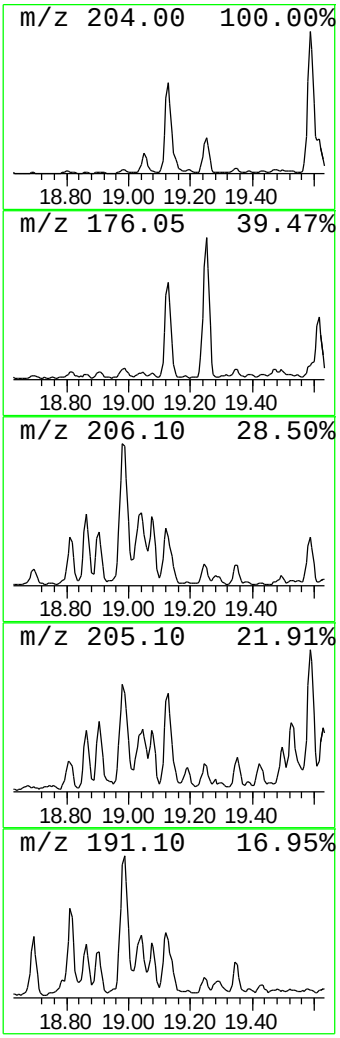
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	6.49 ng/ul	1106530	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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Quant Title : SVOA CALIBRATION

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

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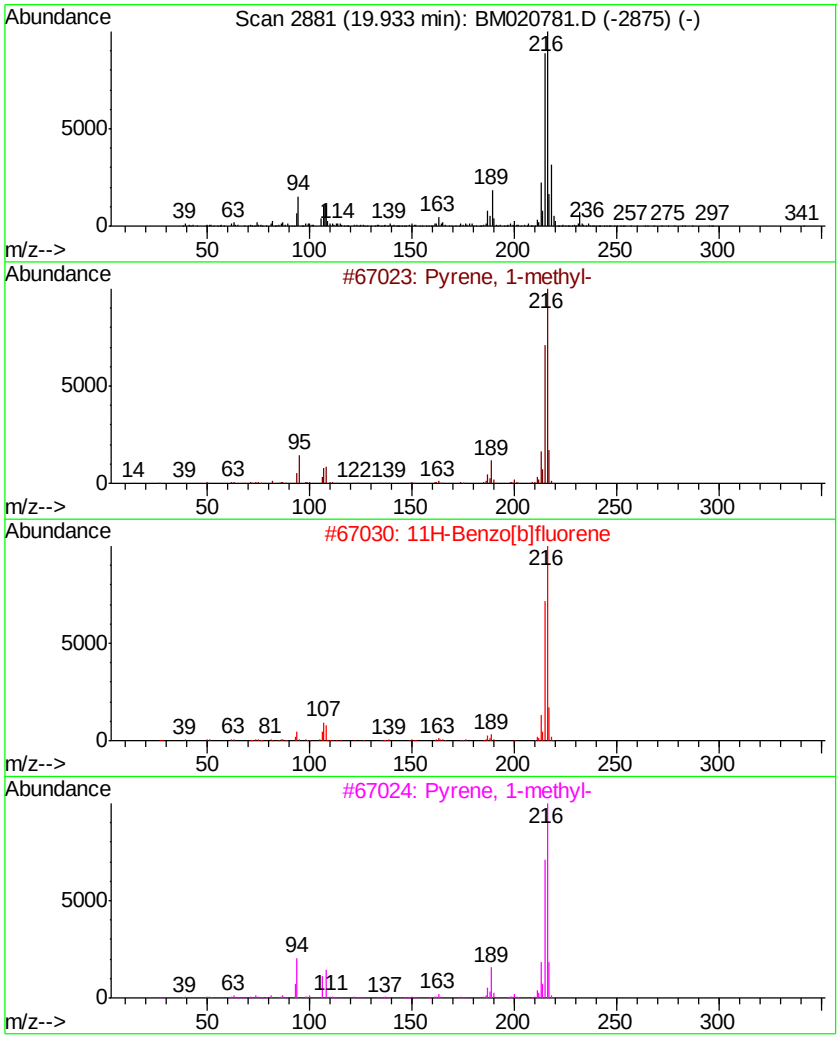
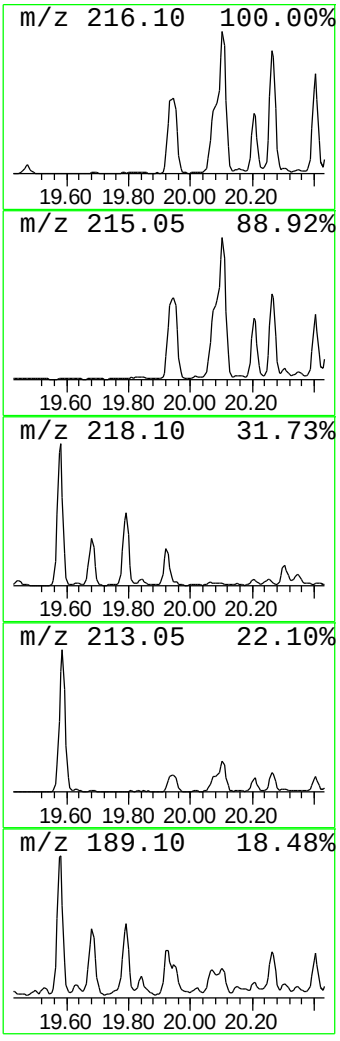
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.93 ng/ul	1962490	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Quant Title : SVOA CALIBRATION

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

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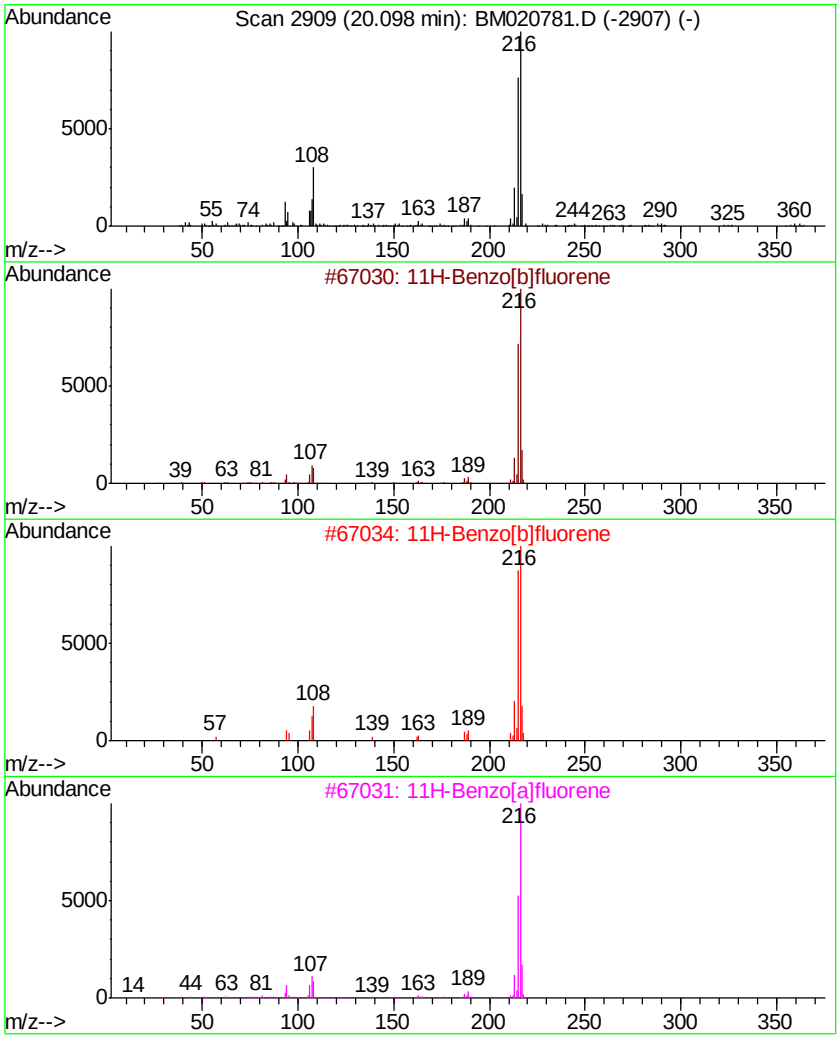
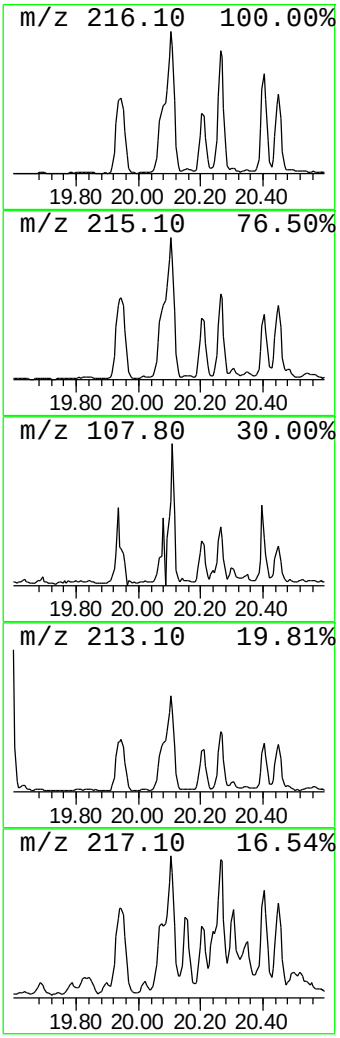
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.47 ng/ul	1658510	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Quant Title : SVOA CALIBRATION

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

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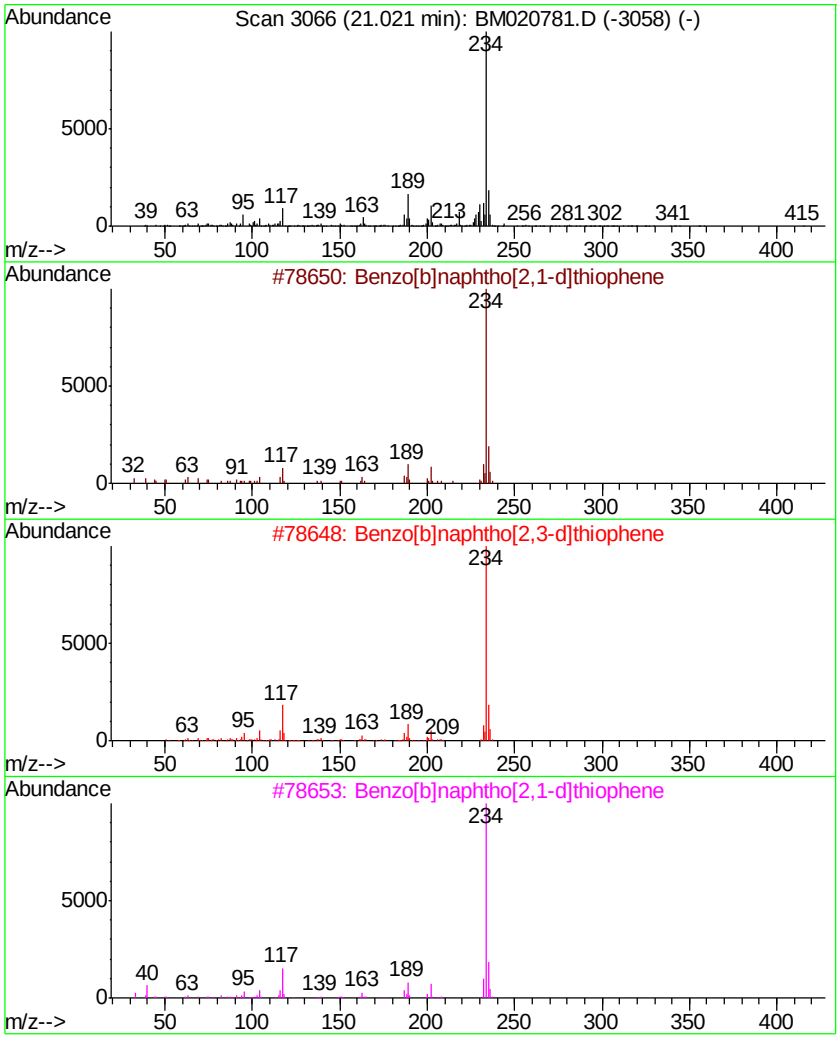
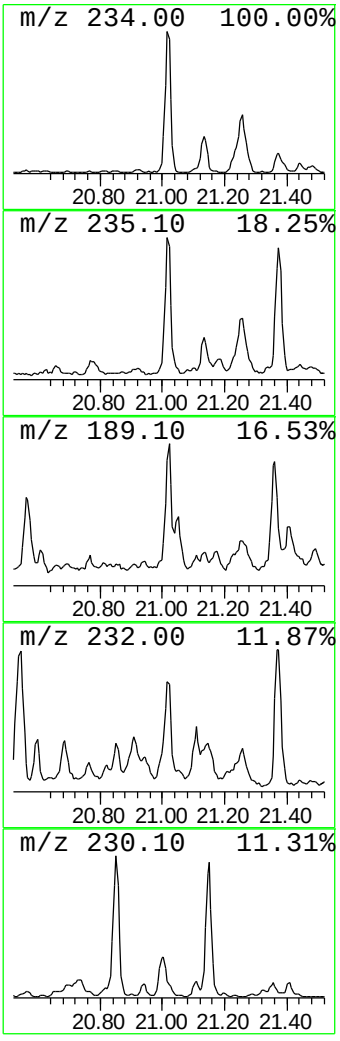
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.94 ng/ul	1967760	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81





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ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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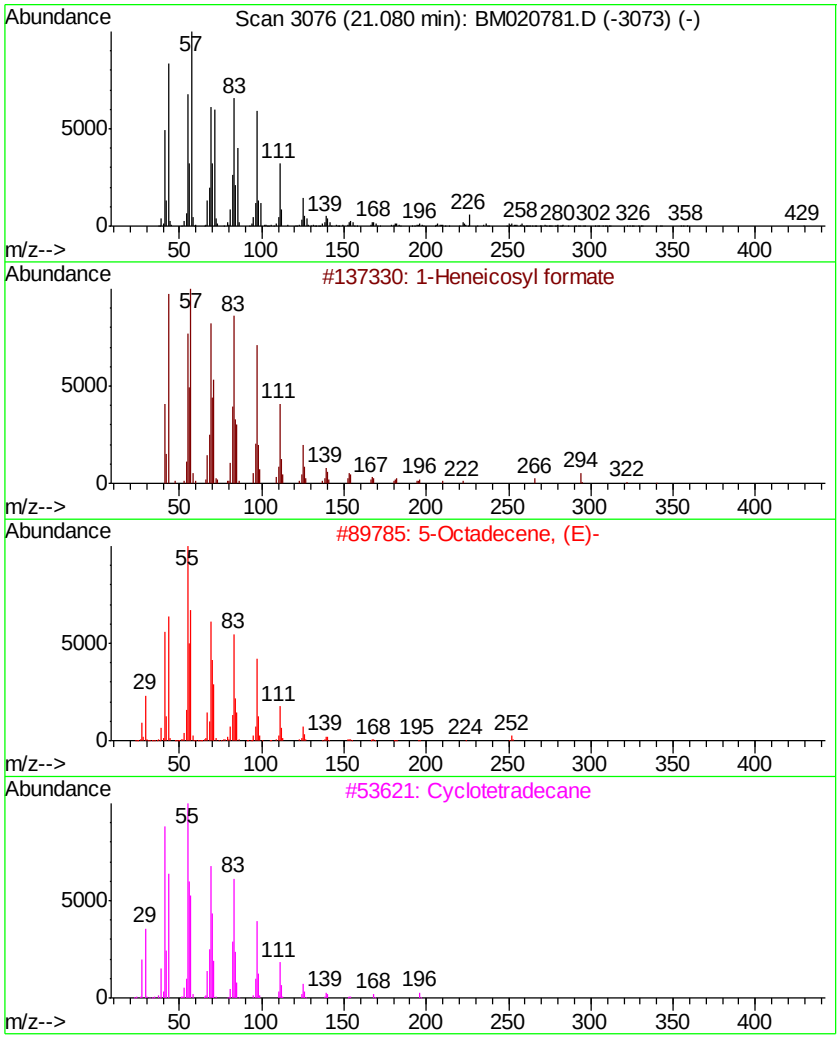
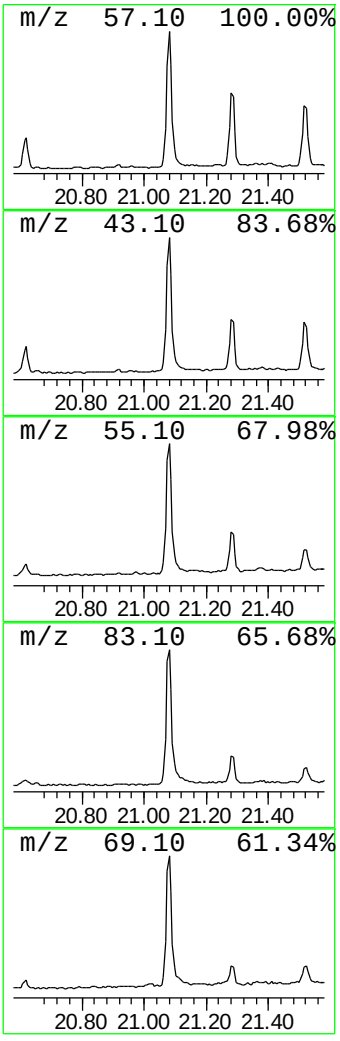
Peak Number 23 1-Heneicosyl formate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	6.26 ng/ul	4192410	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	97
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	95
3	Cyclotetradecane	196	C14H28	000295-17-0	95
4	1-Octadecene	252	C18H36	000112-88-9	93
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	93





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Quant Title : SVOA CALIBRATION

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

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Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	2.80 ng/ul	1877340	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
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	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
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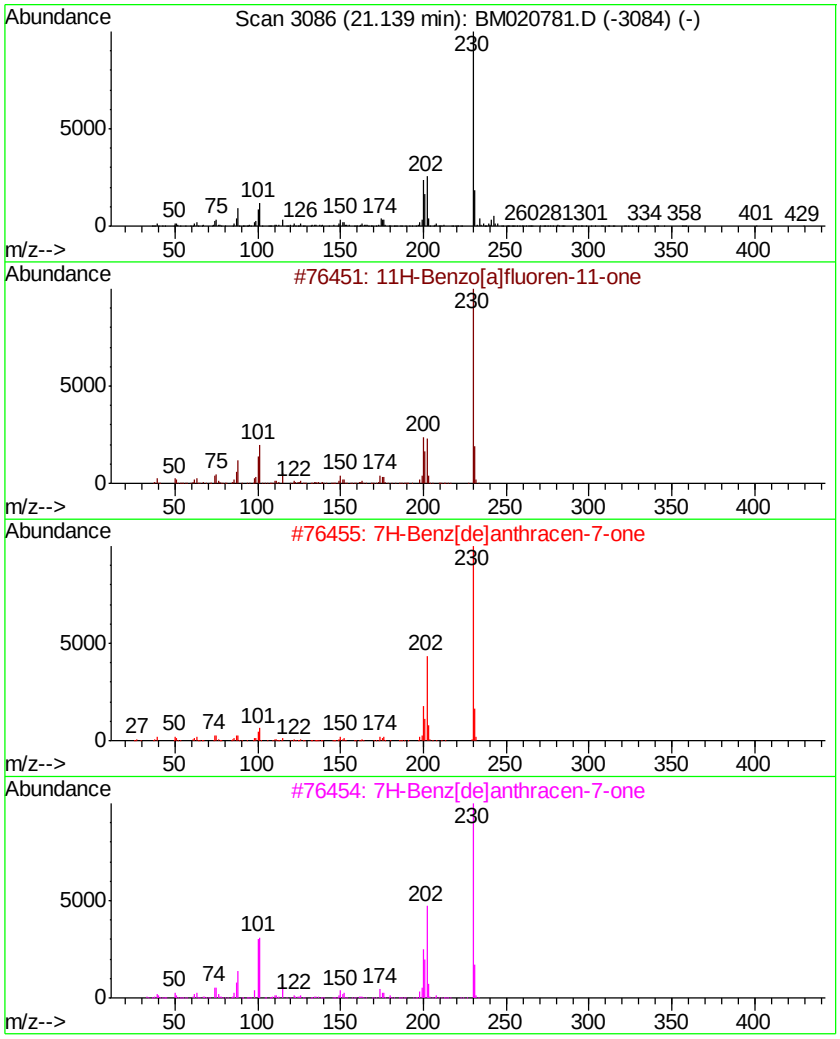

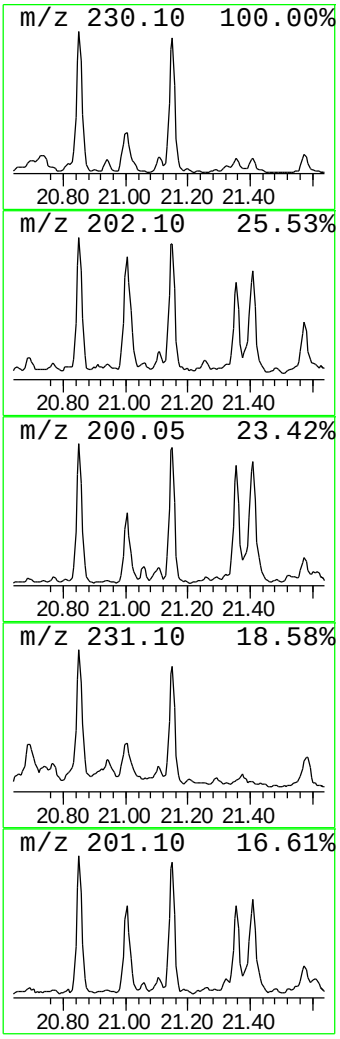

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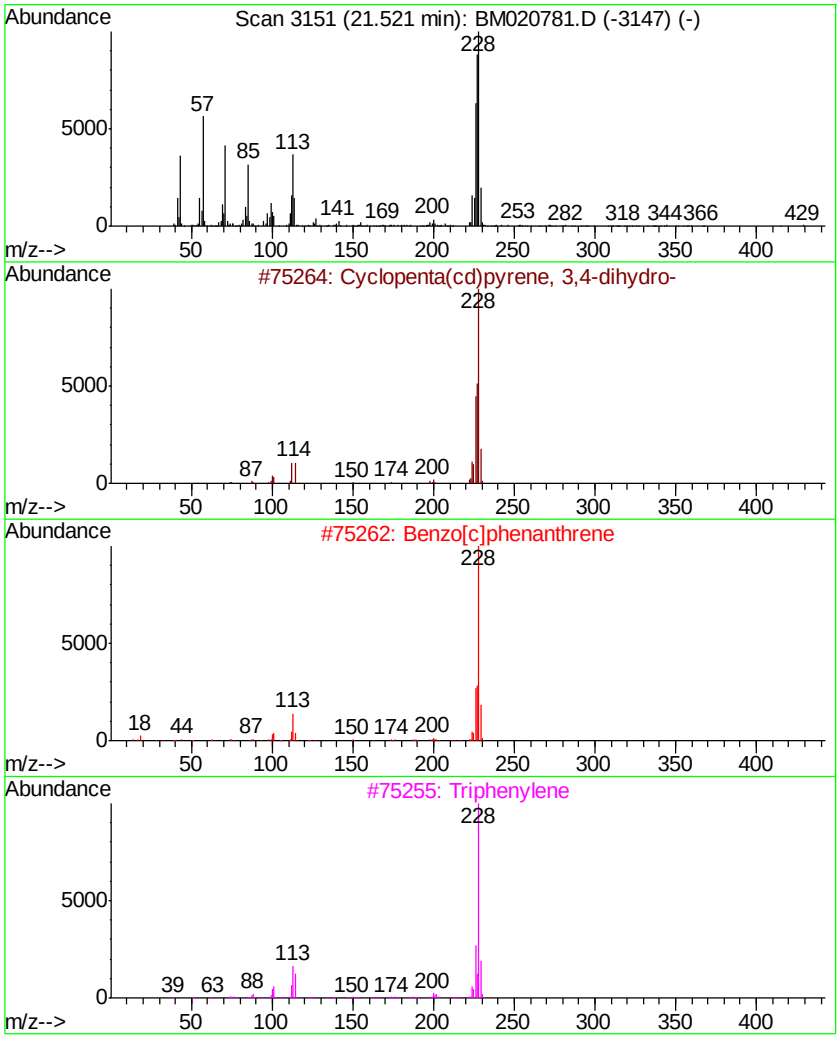
Quant Title : SVOA CALIBRATION

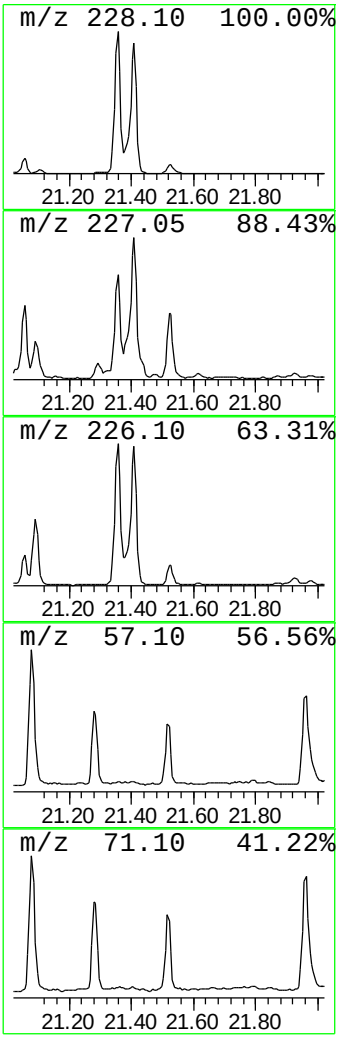
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.12 ng/ul	1419940	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45
3	Triphenylene	228	C18H12	000217-59-4	41
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	41
5	Chrysene	228	C18H12	000218-01-9	38





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Quant Title : SVOA CALIBRATION

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

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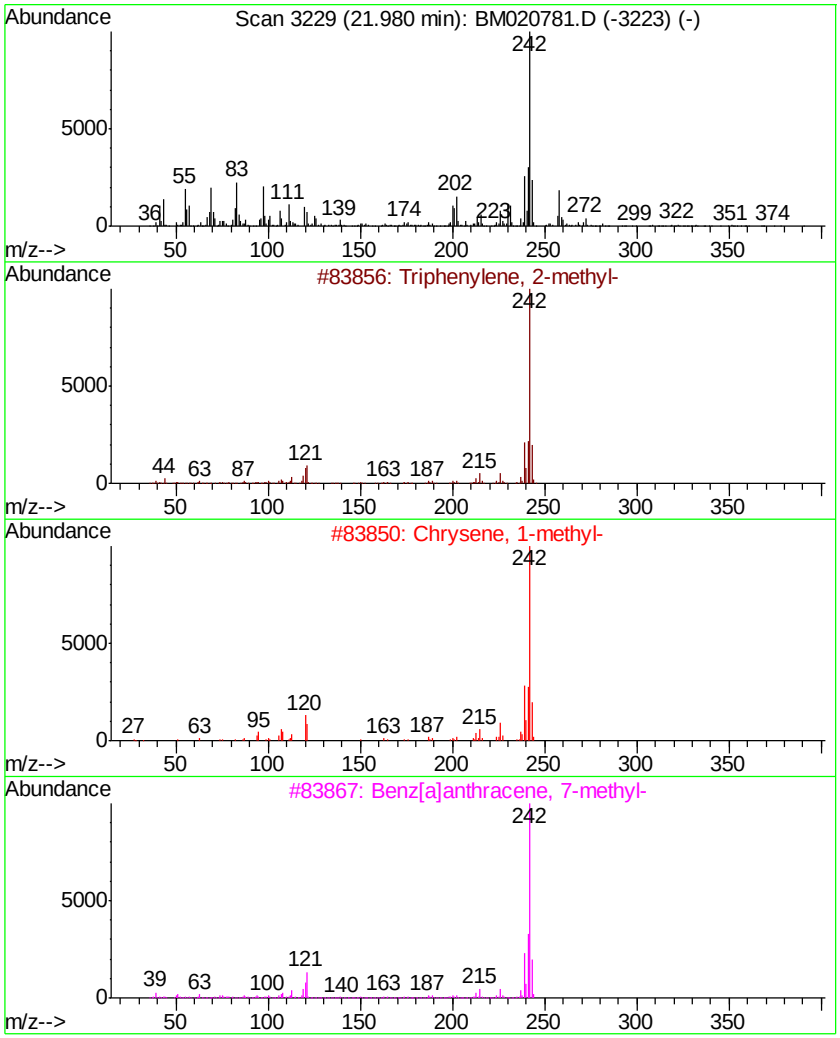
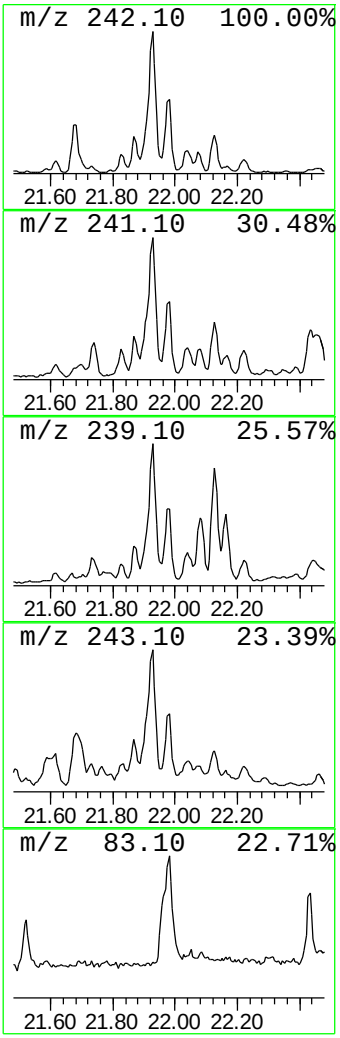
Peak Number 26 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.98	3.45 ng/ul	2315080	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	83
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	78
5	Benzo[c]phenanthrene, 6-methyl-	242	C19H14	002381-34-2	70





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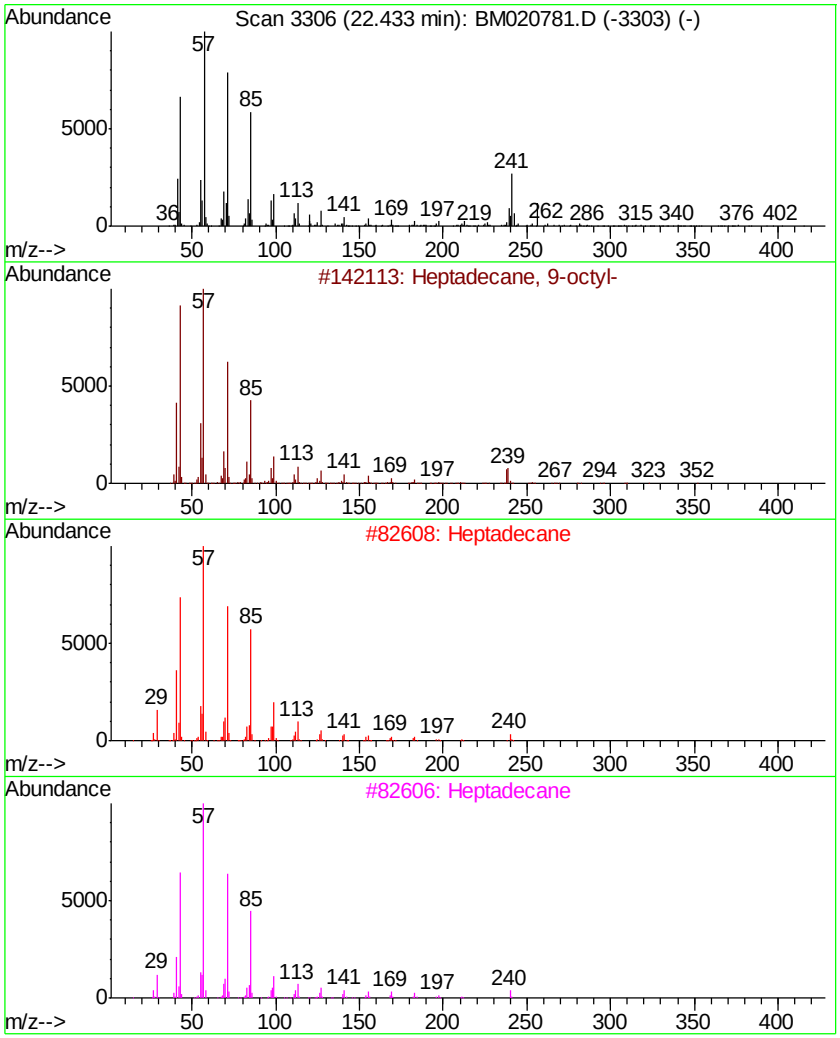
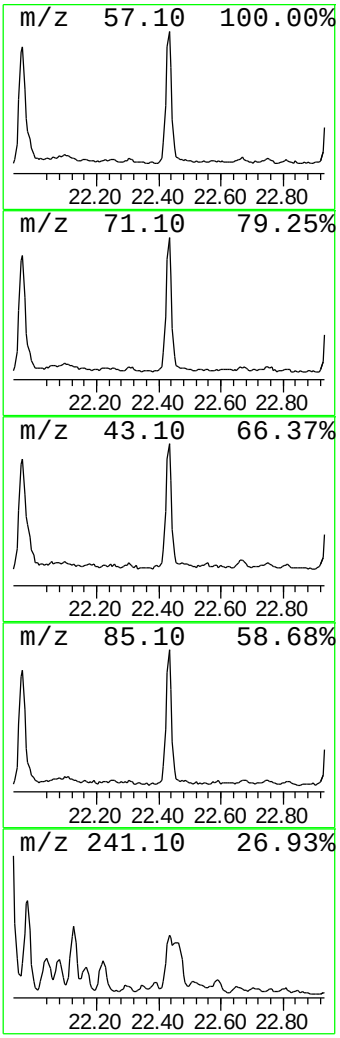
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	2.65 ng/ul	1773950	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2	Heptadecane	240	C17H36	000629-78-7	93
3	Heptadecane	240	C17H36	000629-78-7	93
4	Hexadecane	226	C16H34	000544-76-3	89
5	Hexadecane	226	C16H34	000544-76-3	89





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TIC Integration Parameters: LSCINT.P

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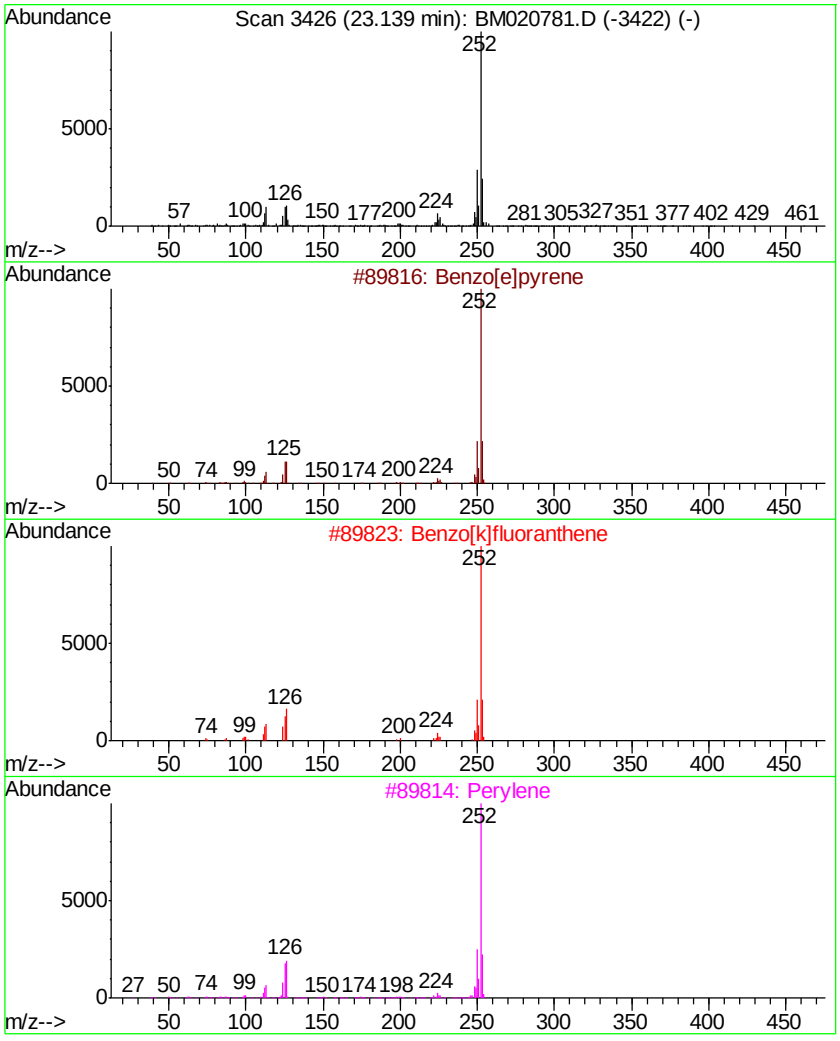
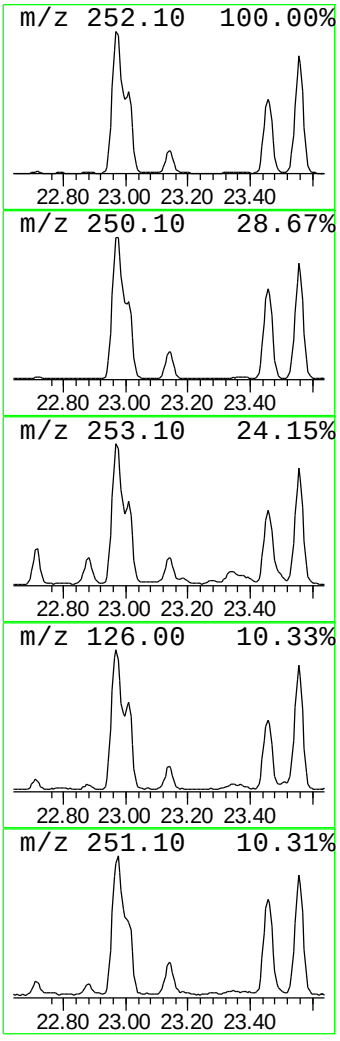
Peak Number 28 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	7.07 ng/ul	1394280	Perylene-d12	23.66

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	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[e]pyrene	252	C20H12	000192-97-2	90





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Quant Title : SVOA CALIBRATION

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

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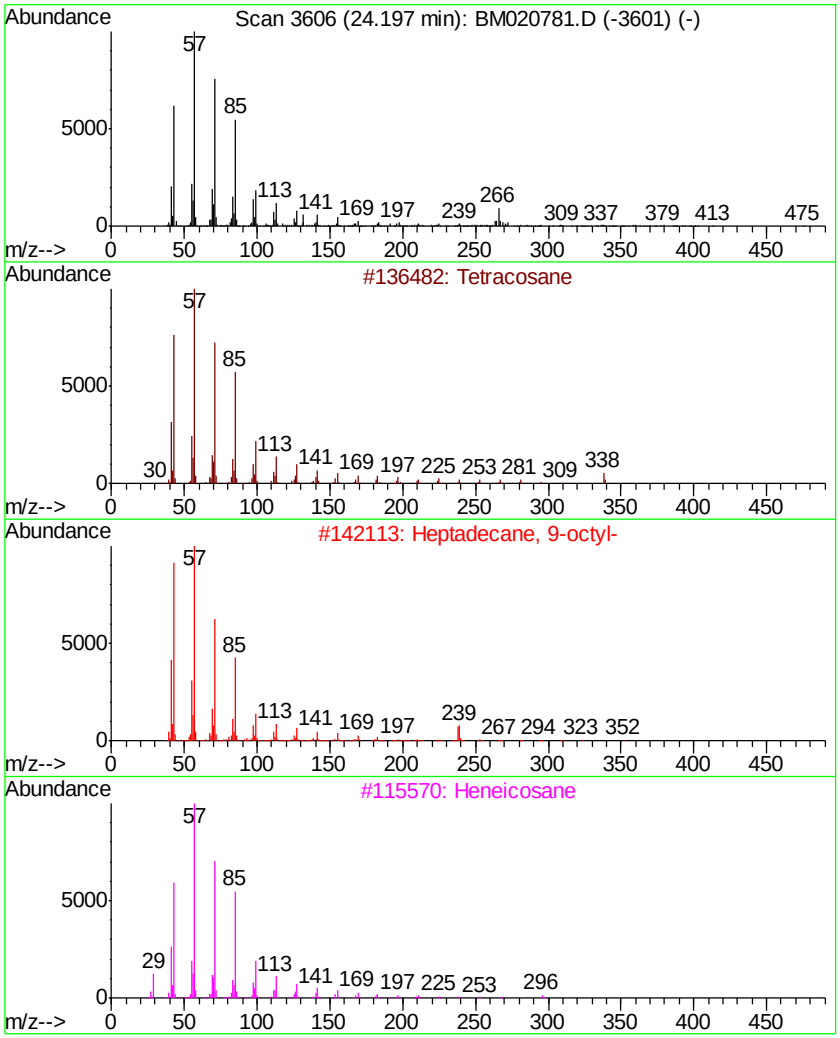
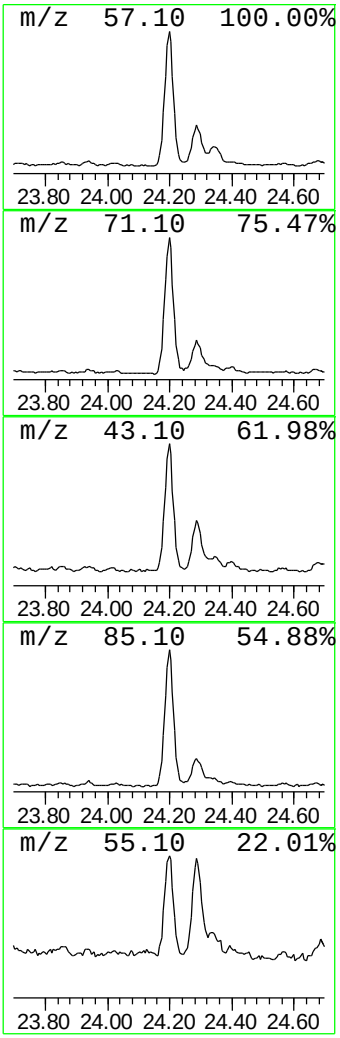
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	10.73 ng/ul	2117540	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	87





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Quant Title : SVOA CALIBRATION

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

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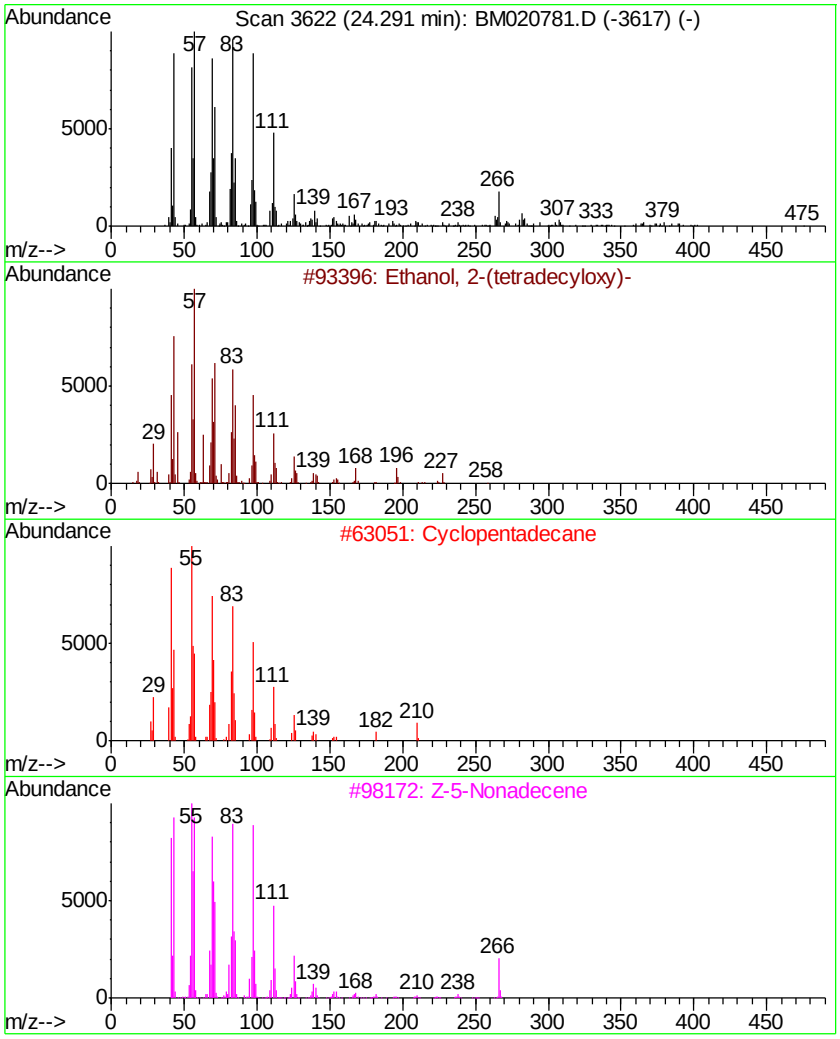
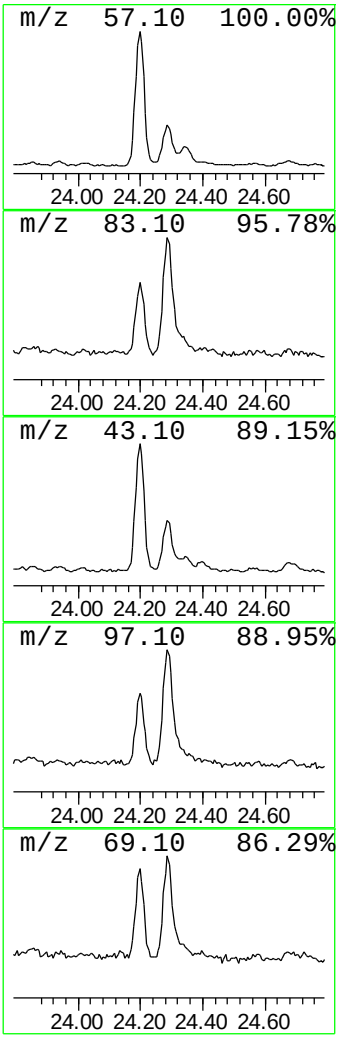
Peak Number 31 Ethanol, 2-(tetradecyloxy)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.29	4.92 ng/ul	971364	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	94
2	Cyclopentadecane	210	C15H30	000295-48-7	93
3	Z-5-Nonadecene	266	C19H38	1000131-11-8	92
4	Cyclotetracosane	336	C24H48	000297-03-0	91
5	1-Docosene	308	C22H44	001599-67-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060619\
Data File : BM020781.D
Acq On : 07 Jun 2019 01:50
Operator : HP/JU
Sample : K3201-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	89.8	ng/ul	7573790	1	7.81	1686650	20.0
2-Pentanone, 4-hy...	4.95	2.9	ng/ul	243752	1	7.81	1686650	20.0
[1,1'-Biphenyl]-4...	15.79	2.0	ng/ul	314949	3	14.45	3072440	20.0
Dibenzofuran, 4-m...	15.94	2.2	ng/ul	380324	4	17.19	3412250	20.0
unknown-01	16.17	2.9	ng/ul	490233	4	17.19	3412250	20.0
9H-Fluoren-9-one	16.84	3.5	ng/ul	592048	4	17.19	3412250	20.0
Dibenzothiophene	17.01	2.7	ng/ul	465338	4	17.19	3412250	20.0
n-Hexadecanoic acid	18.09	18.9	ng/ul	3222340	4	17.19	3412250	20.0
Phenanthrene, 2-m...	18.12	11.4	ng/ul	1949790	4	17.19	3412250	20.0
Phenanthrene, 1-m...	18.19	3.5	ng/ul	591689	4	17.19	3412250	20.0
4H-Cyclopenta[def...	18.26	12.1	ng/ul	2067640	4	17.19	3412250	20.0
Phenanthrene, 4-m...	18.30	5.2	ng/ul	890185	4	17.19	3412250	20.0
2-Phenylnaphthalene	18.57	5.4	ng/ul	924562	4	17.19	3412250	20.0
9,10-Anthracenedione	18.61	6.9	ng/ul	1175510	4	17.19	3412250	20.0
Anthracene, 2-ethyl-	18.81	2.3	ng/ul	391208	4	17.19	3412250	20.0
Phenanthrene, 2,5...	18.99	7.8	ng/ul	1324340	4	17.19	3412250	20.0
Cyclopenta(def)ph...	19.13	6.5	ng/ul	1106530	4	17.19	3412250	20.0
Pyrene, 1-methyl-	19.93	2.9	ng/ul	1962490	5	21.37	13402600	20.0
11H-Benzo[b]fluorene	20.10	2.5	ng/ul	1658510	5	21.37	13402600	20.0
Benzo[b]naphtho[2...	21.02	2.9	ng/ul	1967760	5	21.37	13402600	20.0
1-Heneicosyl formate	21.08	6.3	ng/ul	4192410	5	21.37	13402600	20.0
11H-Benzo[a]fluor...	21.14	2.8	ng/ul	1877340	5	21.37	13402600	20.0
Cyclopenta(cd)pyr...	21.52	2.1	ng/ul	1419940	5	21.37	13402600	20.0
Triphenylene, 2-m...	21.98	3.5	ng/ul	2315080	5	21.37	13402600	20.0
(DEL) Alkane: Str...	22.43	2.6	ng/ul	1773950	5	21.37	13402600	20.0
Benzo[e]pyrene	23.14	7.1	ng/ul	1394280	6	23.66	3945450	20.0
(DEL) Alkane: Str...	24.20	10.7	ng/ul	2117540	6	23.66	3945450	20.0
Ethanol, 2-(tetra...	24.29	4.9	ng/ul	971364	6	23.66	3945450	20.0