LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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	17	rBV	6170980	6943156	45.87%	2.815%
2	6.969	670	677	693	rVB	1070971	1834652	12.12%	0.744%
3	7.151	701	708	720	rBV	896931	1448705	9.57%	0.587%
4	7.339	733	740	749	rBV	1233484	1963177	12.97%	0.796%
5	7.810	811	820	828	rBV	1253646	2001478	13.22%	0.812%
6	8.510	931	939	946	rBV	1292294	2064103	13.64%	0.837%
7	8.969	1009	1017	1025	rBV	1127205	1879461	12.42%	0.762%
8	9.686	1131	1139	1148	rBV	935813	1568078	10.36%	0.636%
9	10.222	1222	1230	1239	rVB	1504606	2521672	16.66%	1.023%
10	10.604	1286	1295	1300	rBV	1634275	2837205	18.74%	1.150%
11	10.651	1300	1303	1311	rVB	381147	575772	3.80%	0.233%
12	10.739	1311	1318	1337	rBV	1079638	1970479	13.02%	0.799%
13	12.263	1571	1577	1584	rVB	254082	405267	2.68%	0.164%
14	12.486	1609	1615	1622	rVB	214627	340261	2.25%	0.138%
15	13.768	1827	1833	1838	rBV	219483	388087	2.56%	0.157%
16	13.863	1844	1849	1853	rVV	2556696	3650795	24.12%	1.480%
17	13.904	1853	1856	1864	rVB	888243	1225268	8.09%	0.497%
18	14.139	1890	1896	1909	rVB	2979344	4930863	32.58%	1.999%
19	14.451	1938	1949	1955	rBV2	2417094	3813455	25.19%	1.546%
20	14.510	1955	1959	1967	rVB	702520	1107623	7.32%	0.449%
21	14.645	1976	1982	1992	rBV2	747993	1246703	8.24%	0.506%
22	14.845	2011	2016	2024	rVV	570185	926026	6.12%	0.376%
23	15.445	2102	2118	2122	rBV	3826107	5587333	36.91%	2.266%
24	15.498	2122	2127	2132	rVV	779249	1215277	8.03%	0.493%
25	15.562	2133	2138	2145	rVV	728020	1193327	7.88%	0.484%
26	15.792	2172	2177	2185	rVB	318806	546337	3.61%	0.222%
27	15.939	2197	2202	2209	rVB	323791	653747	4.32%	0.265%
28	16.480	2286	2294	2295	rBV3	188763	360549	2.38%	0.146%
29	16.498	2295	2297	2302	rVV2	248969	375096	2.48%	0.152%
30	16.727	2327	2336	2339	rBV3	231691	474422	3.13%	0.192%
31	16.768	2339	2343	2346	rVV2	234781	367671	2.43%	0.149%
32	16.851	2352	2357	2363	rVB	445458	677647	4.48%	0.275%
33	16.921	2364	2369	2371	rBV2	235885	348353	2.30%	0.141%
34	16.945	2371	2373	2380	rVV2	254929	427109	2.82%	0.173%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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	17.015	2380	2385	2393	rVB	478708	757763	5.01%	0.307%
36	17.198	2410	2416	2419	rVV2	2919315	4454157	29.43%	1.806%
37	17.239	2419	2423	2428	rVV	8695960	11963238	79.03%	4.851%
38	17.292	2428	2432	2436	rVV2	4088471	6124228	40.46%	2.483%
39	17.327	2436	2438	2443	rVV	1691901	1955025	12.92%	0.793%
40	17.386	2443	2448	2452	rVB2	192446	352158	2.33%	0.143%
41	17.598	2473	2484	2494	rBV2	736728	1649867	10.90%	0.669%
42	17.774	2510	2514	2522	rVB2	274651	439198	2.90%	0.178%
43	18.068	2554	2564	2569	rBV2	1603438	3687157	24.36%	1.495%
44	18.115	2569	2572	2578	rVB	2162658	2873642	18.98%	1.165%
45	18.198	2581	2586	2591	rVB	616768	870980	5.75%	0.353%
46	18.262	2591	2597	2601	rBV2	1743963	3364263	22.23%	1.364%
47	18.297	2601	2603	2609	rVB	1092603	1354018	8.95%	0.549%
48	18.568	2644	2649	2653	rBV	985364	1324848	8.75%	0.537%
49	18.609	2653	2656	2664	rVB	888336	1247023	8.24%	0.506%
50	18.815	2687	2691	2695	rVV	466531	608418	4.02%	0.247%
51	18.862	2695	2699	2702	rVV	368851	470148	3.11%	0.191%
52	18.903	2702	2706	2710	rVB	366792	469782	3.10%	0.190%
53	18.986	2715	2720	2725	rVV	1083544	1994075	13.17%	0.809%
54	19.045	2726	2730	2733	rVV3	541676	1072420	7.08%	0.435%
55	19.080	2733	2736	2739	rVV	423199	526297	3.48%	0.213%
56	19.127	2739	2744	2751	rVB3	761076	1313512	8.68%	0.533%
57	19.250	2757	2765	2771	rVB	11320892	15136679	100.00%	6.138%
58	19.315	2772	2776	2779	rBV	258557	344494	2.28%	0.140%
59	19.362	2779	2784	2788	rBV3	626956	1036719	6.85%	0.420%
60	19.450	2794	2799	2802	rBV3	330186	534827	3.53%	0.217%
61	19.492	2803	2806	2809	rVV	395881	517522	3.42%	0.210%
62	19.586	2816	2822	2824	rBV2	6331818	9163670	60.54%	3.716%
63	19.615	2824	2827	2834	rVB	10164138	13020891	86.02%	5.280%
64	19.686	2834	2839	2845	rVB2	780705	1263094	8.34%	0.512%
65	19.792	2846	2857	2862	rBV2	790458	1699634	11.23%	0.689%
66	19.850	2863	2867	2872	rVB3	553509	931509	6.15%	0.378%
67	19.933	2876	2881	2889	rBV2	897704	2222834	14.69%	0.901%
68	20.068	2899	2904	2907	rBV5	710575	1403970	9.28%	0.569%
69	20.103	2907	2910	2916	rVB	1394728	2112333	13.96%	0.857%
70	20.209	2923	2928	2931	rBV	698142	945353	6.25%	0.383%
71	20.262	2931	2937	2941	rVV2	1295427	2104883	13.91%	0.854%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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	20.303	2941	2944	2947	rVB	380363	379603	2.51%	0.154%
73	20.344	2948	2951	2955	rVB2	296145	374437	2.47%	0.152%
74	20.403	2957	2961	2964	rBV	865880	1042268	6.89%	0.423%
75	20.450	2965	2969	2973	rVB2	774142	1045895	6.91%	0.424%
76	20.662	3000	3005	3006	rBV3	217994	329229	2.18%	0.134%
77	20.850	3033	3037	3043	rVB	1328598	1750539	11.56%	0.710%
78	21.015	3058	3065	3069	rBV2	1045220	2104418	13.90%	0.853%
79	21.056	3069	3072	3074	rVV	1217111	1645844	10.87%	0.667%
80	21.080	3074	3076	3083	rVV3	1316113	2910089	19.23%	1.180%
81	21.150	3084	3088	3094	rVB2	1267714	1883668	12.44%	0.764%
82	21.362	3115	3124	3129	rBV3	7556287	15010744	99.17%	6.087%
83	21.409	3129	3132	3142	rVB	5773829	7495393	49.52%	3.039%
84	21.521	3148	3151	3157	rBV2	807536	1207668	7.98%	0.490%
85	21.686	3175	3179	3184	rBV2	562281	950742	6.28%	0.386%
86	21.733	3184	3187	3190	rVB2	299015	333762	2.20%	0.135%
87	21.927	3214	3220	3223	rBV	1230083	1877310	12.40%	0.761%
88	21.980	3223	3229	3234	rVB3	960135	1830428	12.09%	0.742%
89	22.127	3251	3254	3257	rBV	500233	617765	4.08%	0.251%
90	22.227	3267	3271	3280	rVB4	524996	981661	6.49%	0.398%
91	22.968	3390	3397	3402	rBV	4060308	10352132	68.39%	4.198%
92	23.138	3422	3426	3436	rVB	734662	1278207	8.44%	0.518%
93	23.456	3475	3480	3485	rBV	1952261	3966360	26.20%	1.608%
94	23.509	3485	3489	3493	rVV2	3091163	6100588	40.30%	2.474%
95	23.556	3493	3497	3504	rVB	3694903	6655469	43.97%	2.699%
96	23.656	3508	3514	3519	rVV	2427786	4869546	32.17%	1.975%
97	23.703	3519	3522	3530	rVB2	972637	1940822	12.82%	0.787%
98	24.197	3603	3606	3616	rVB5	618669	1166334	7.71%	0.473%
99	25.968	3899	3907	3921	rVB2	1641929	4911084	32.44%	1.991%
100	26.679	4021	4028	4038	rVB	862032	2417285	15.97%	0.980%

Sum of corrected areas: 246609073

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
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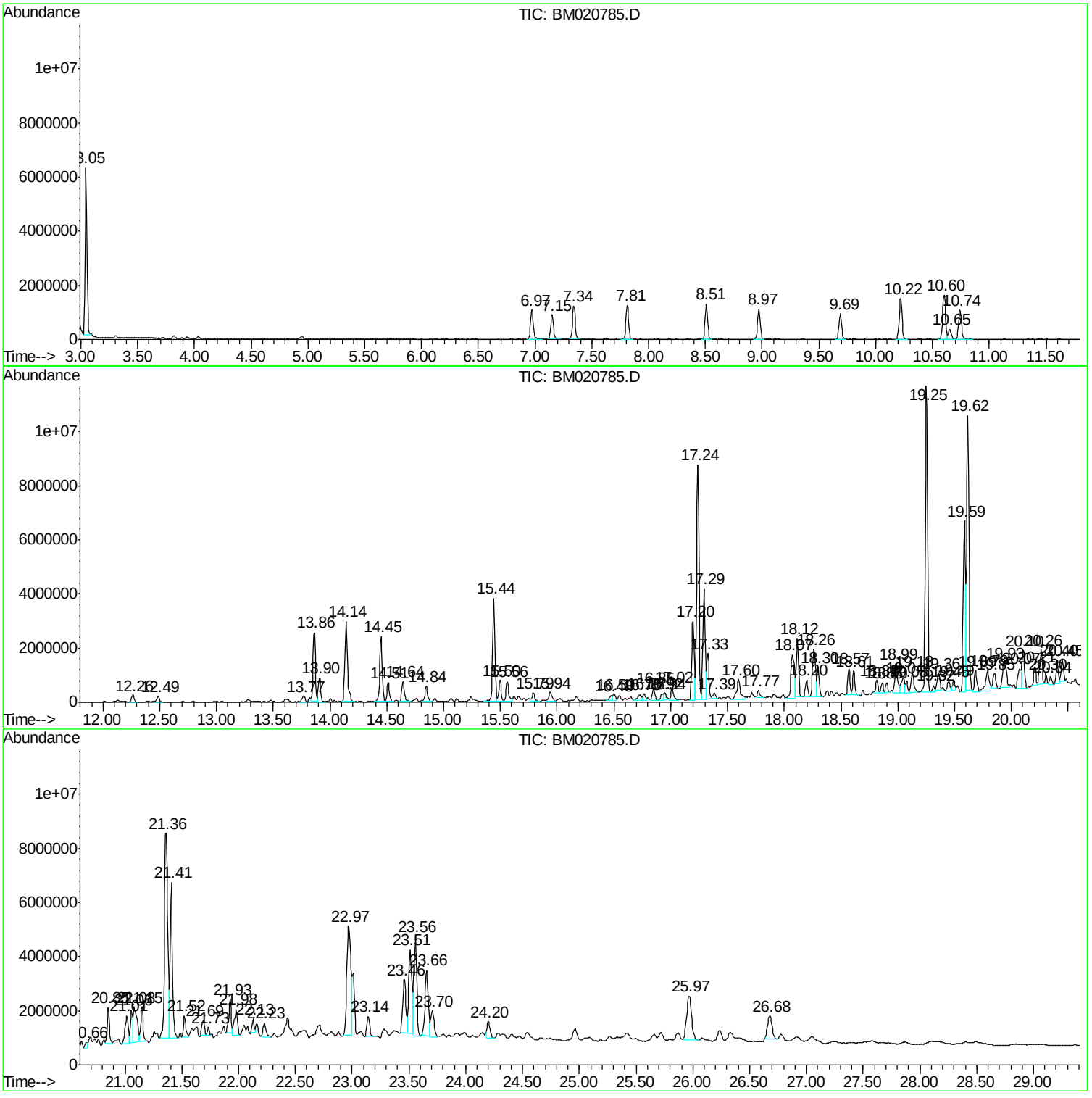
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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 : BM020785.D
Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

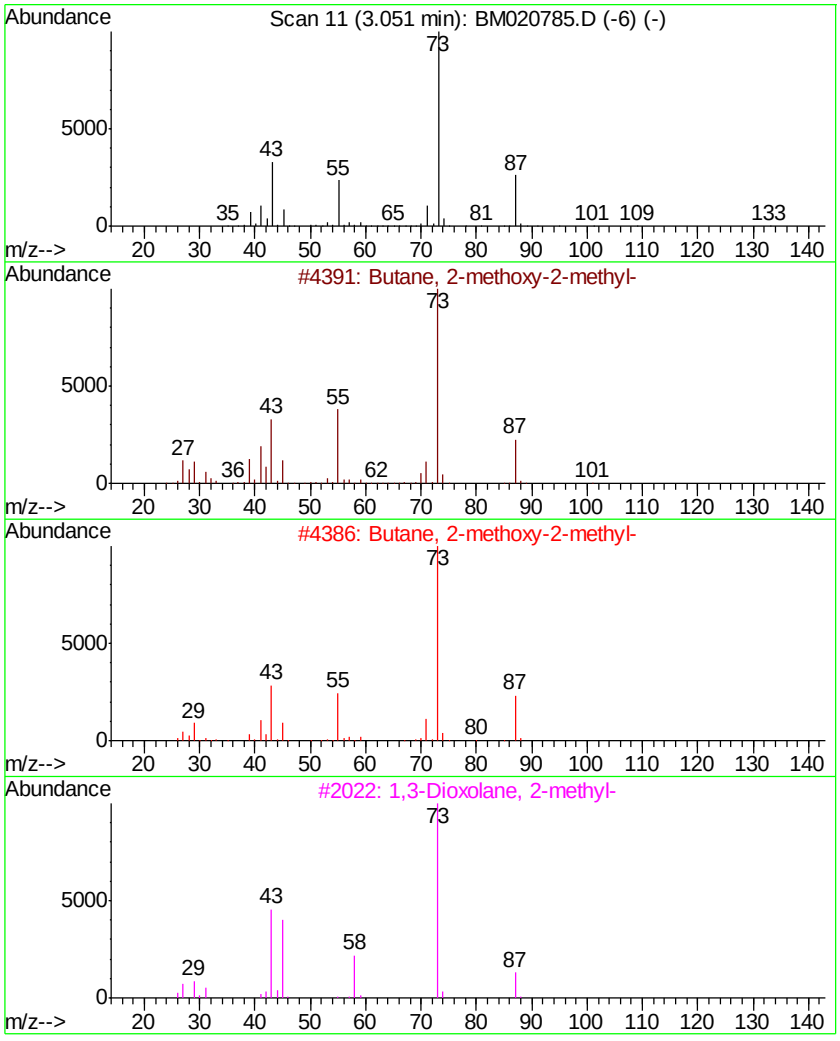
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

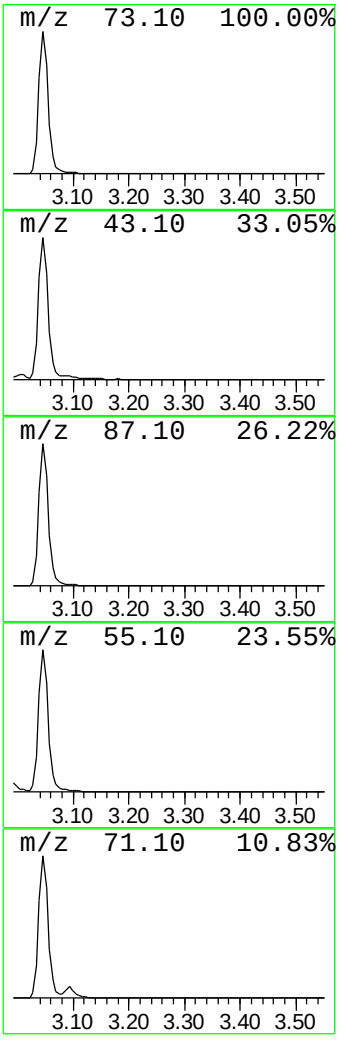
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	69.38 ng/ul	6943160	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

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
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Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

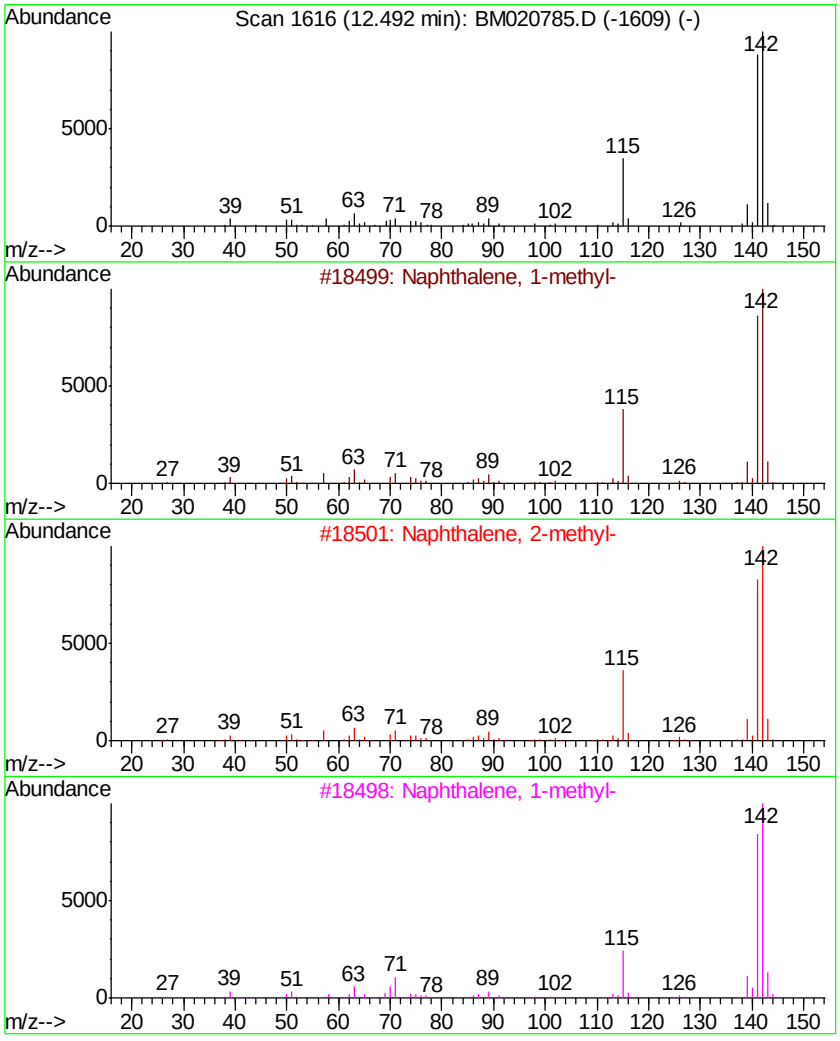
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

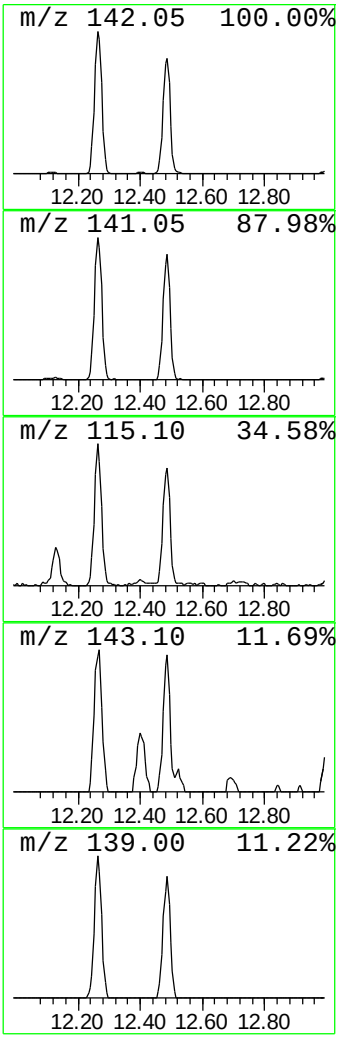
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.40 ng/ul	340261	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
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Instrument : BNA_M
ClientSampleId : C0AD0

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

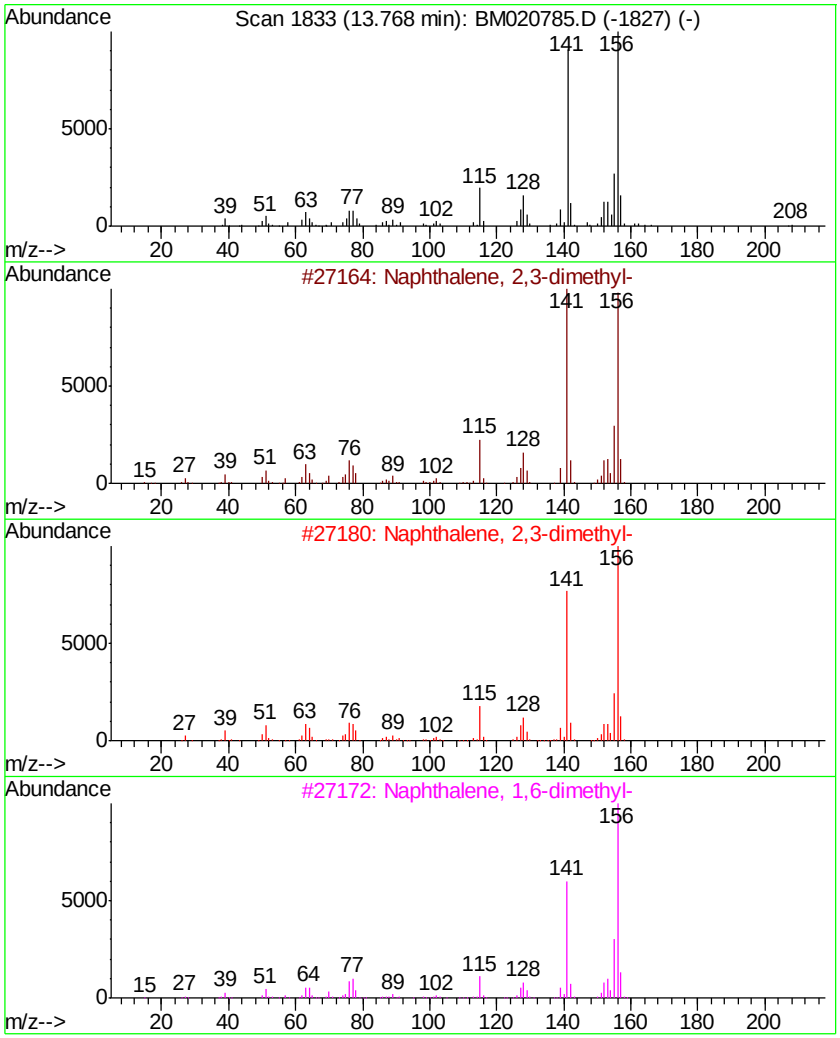
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

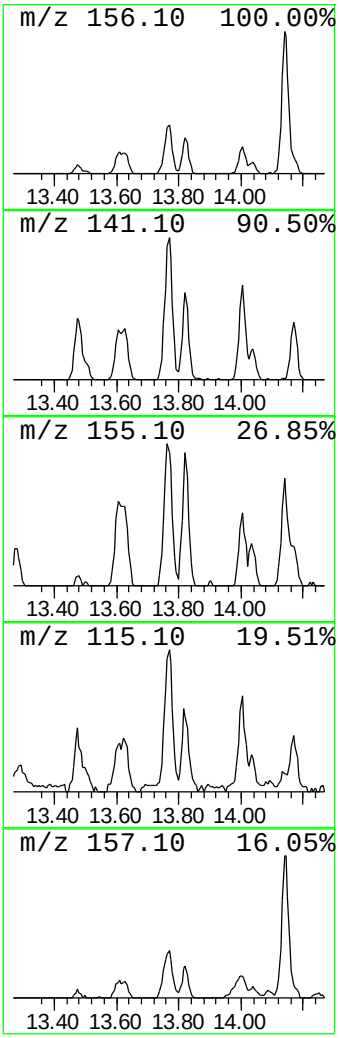
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.04 ng/ul	388087	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
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Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

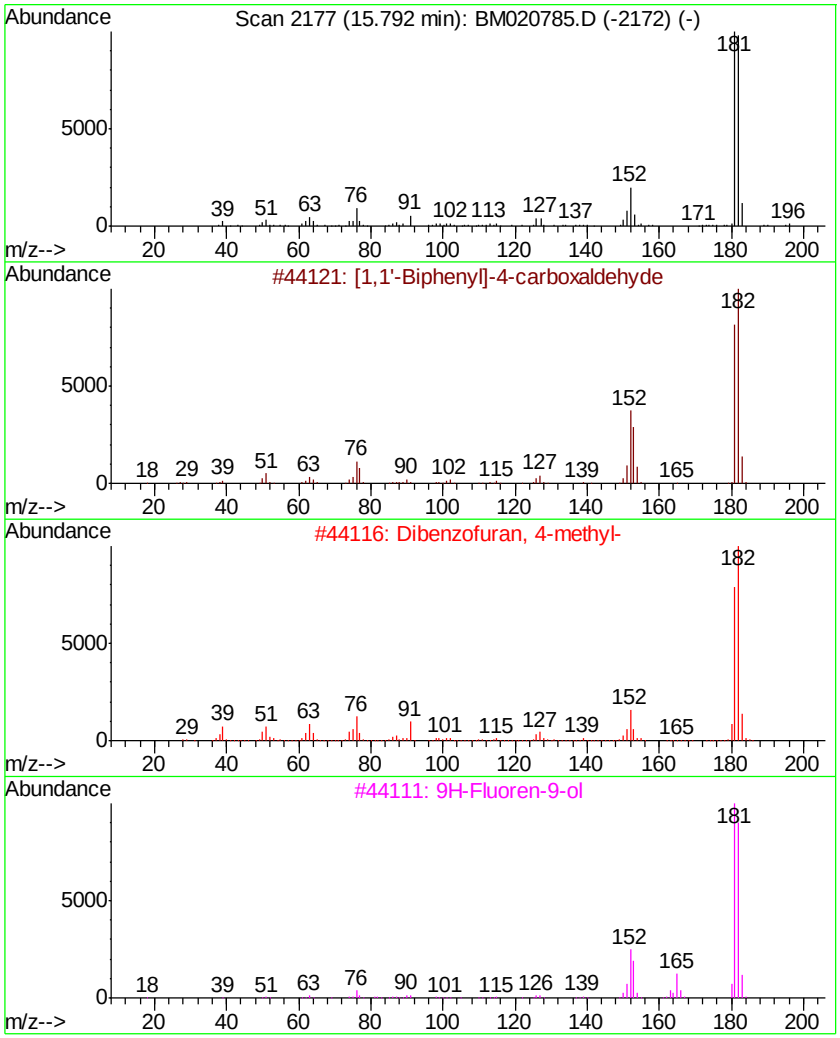
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

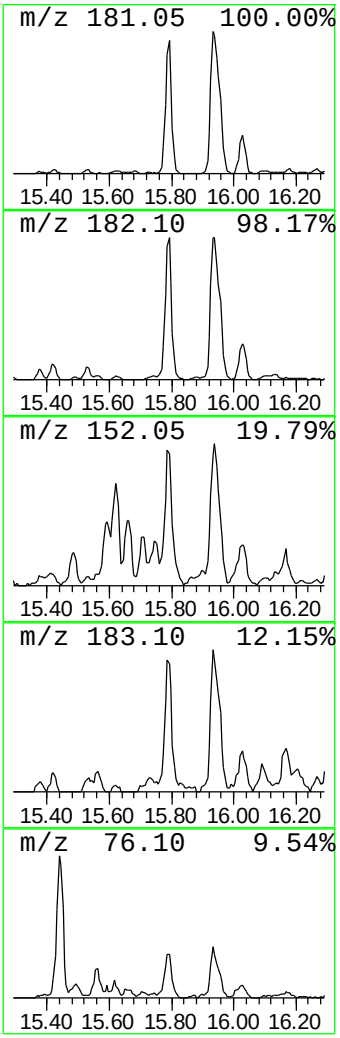
****

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.87 ng/ul	546337	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	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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Data File : BM020785.D
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Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

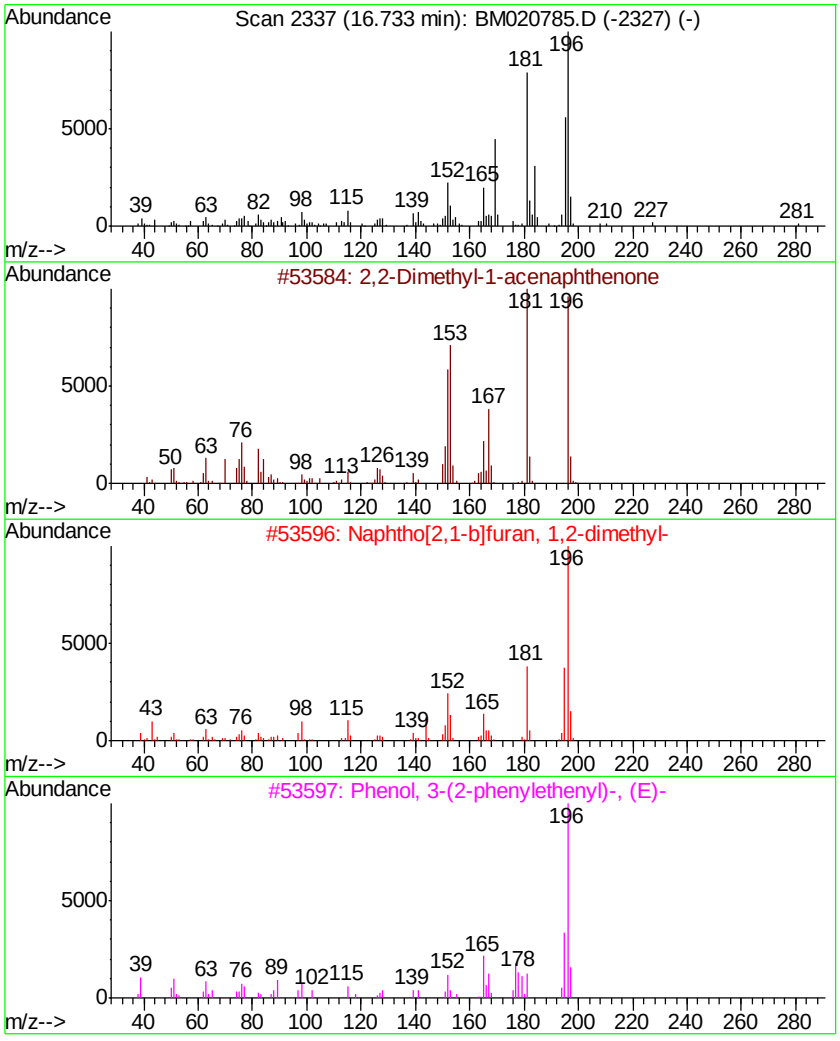
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

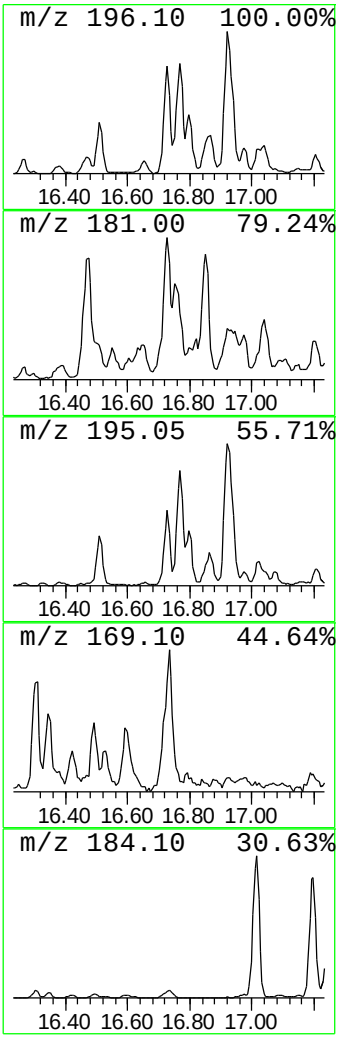
****

Peak Number 6 2,2-Dimethyl-1-acenaphthenone Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.13 ng/ul	474422	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	70
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46





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Misc :
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ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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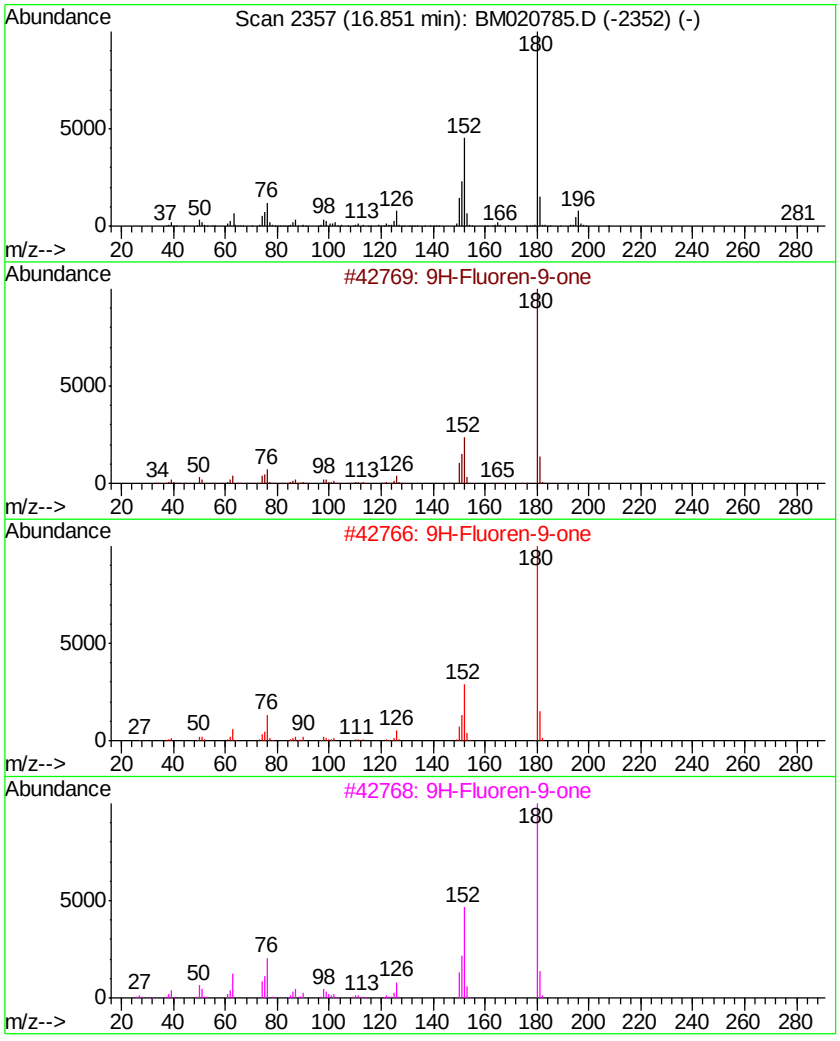
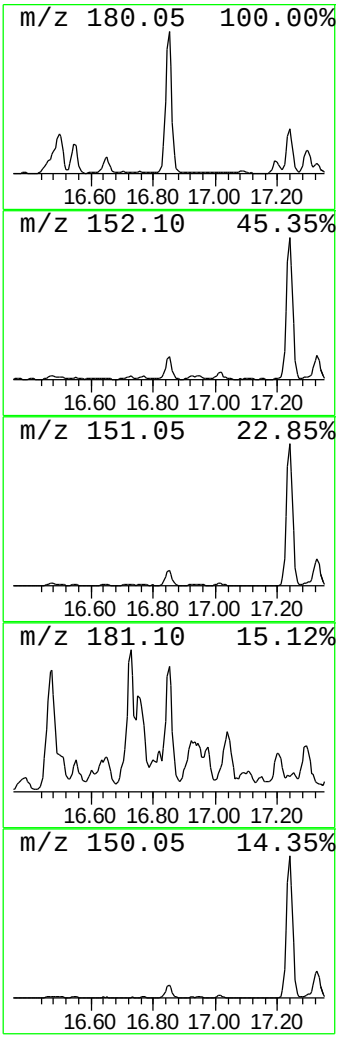
Peak Number 7 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	3.04 ng/ul	677647	Phenanthrene-d10	17.20

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	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
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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Misc :
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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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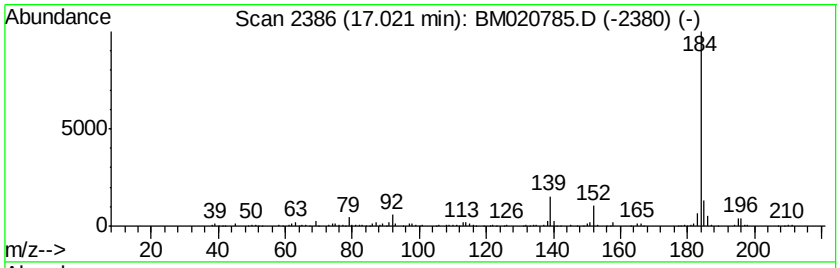
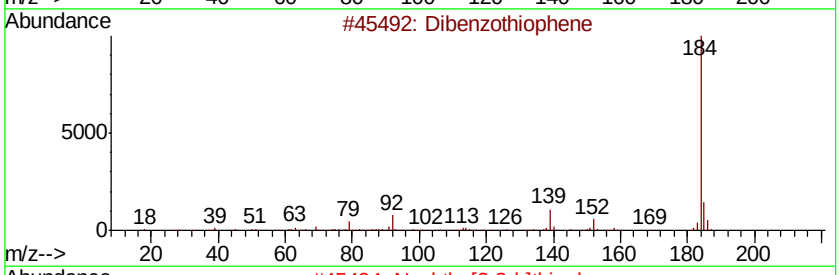
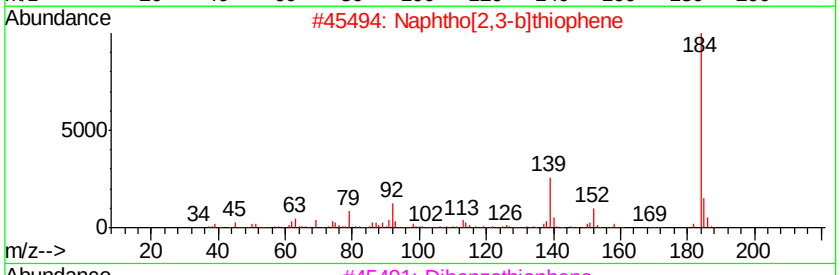
Peak Number 8 Dibenzothiophene Concentration Rank 16

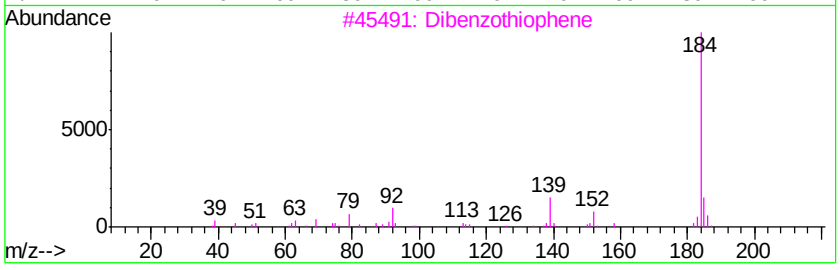
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.40 ng/ul	757763	Phenanthrene-d10	17.20

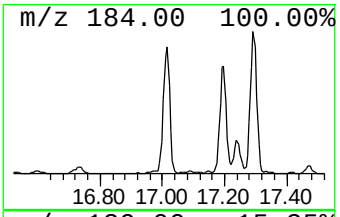
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91

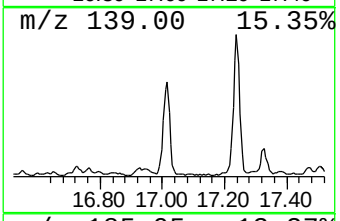


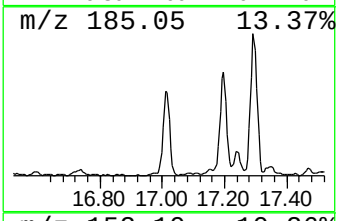


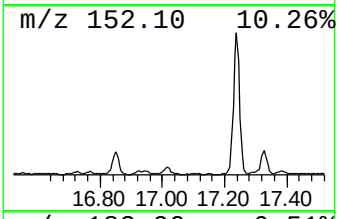


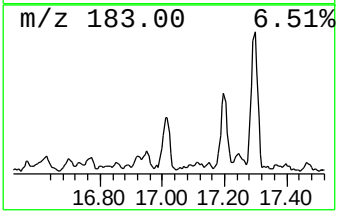












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Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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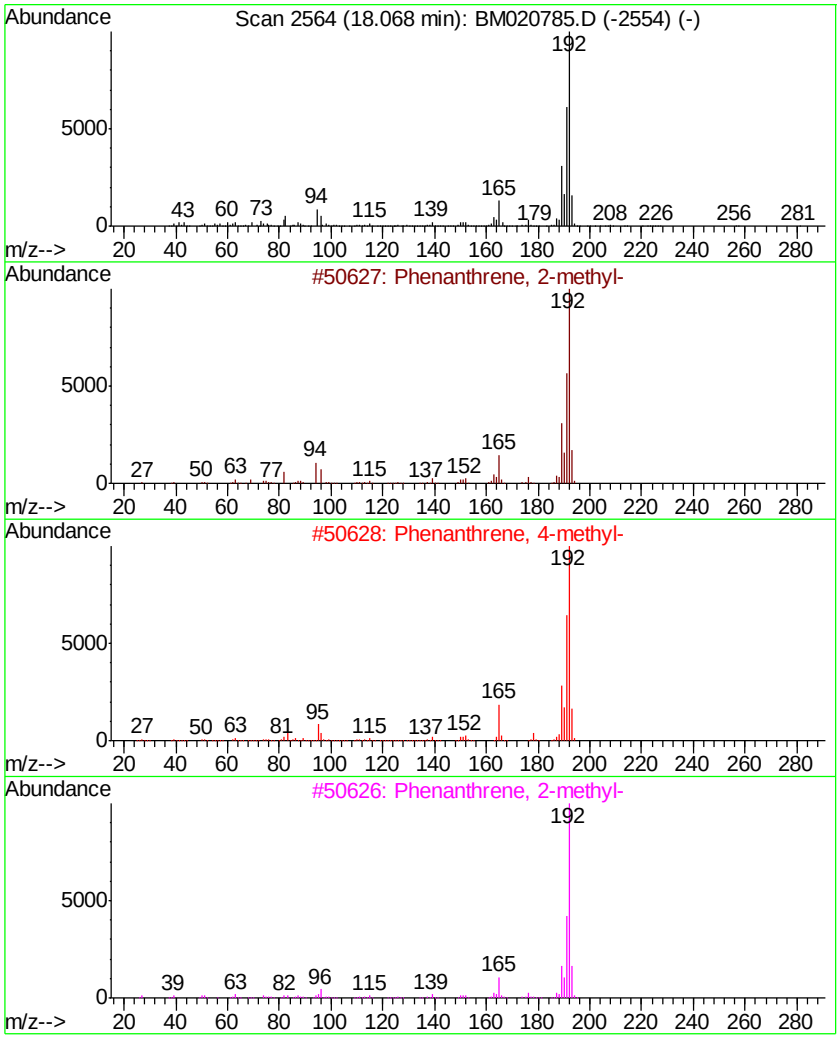
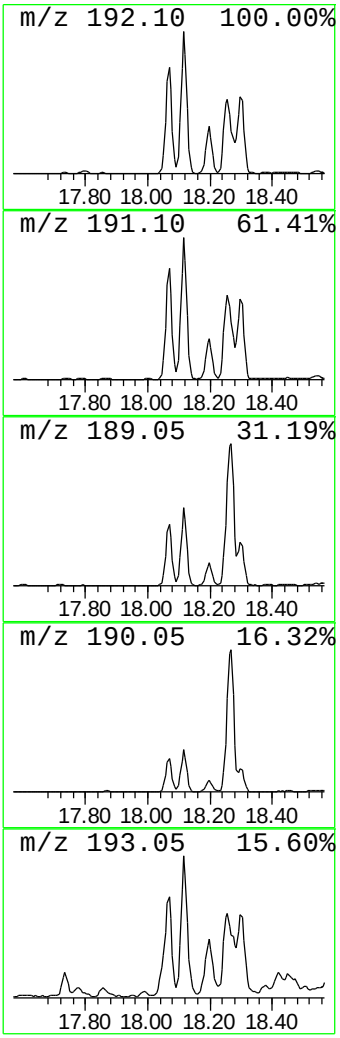
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	16.56 ng/ul	3687160	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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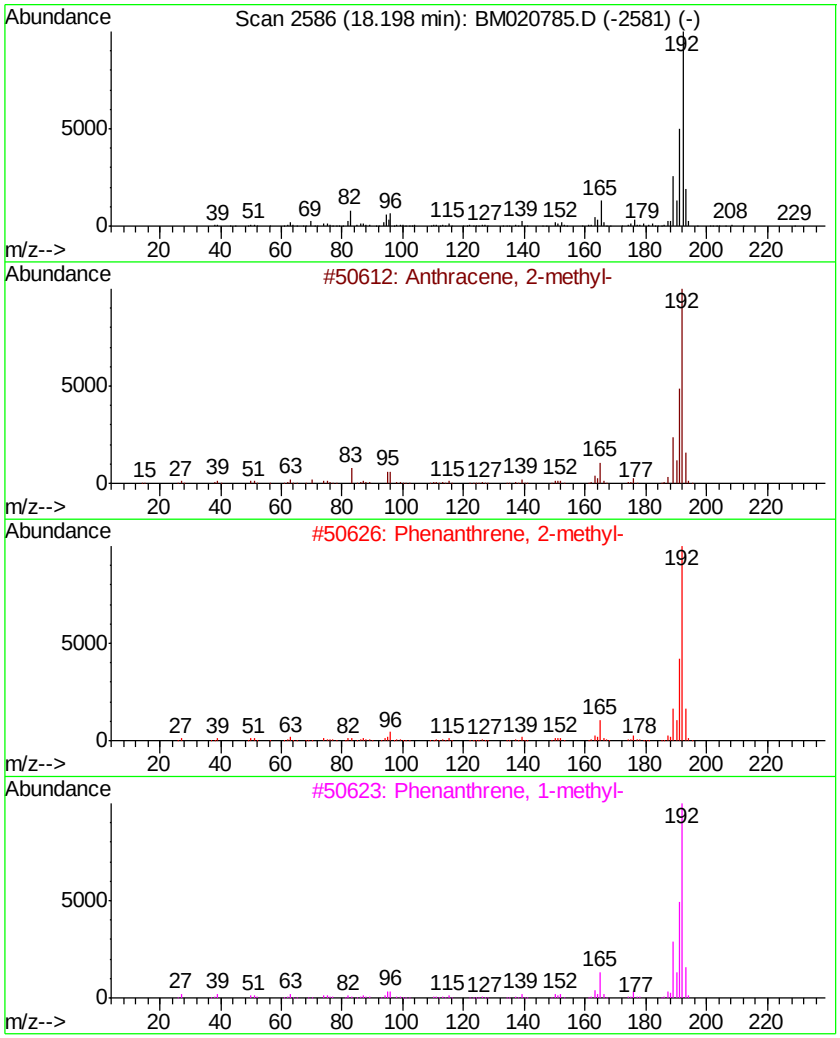
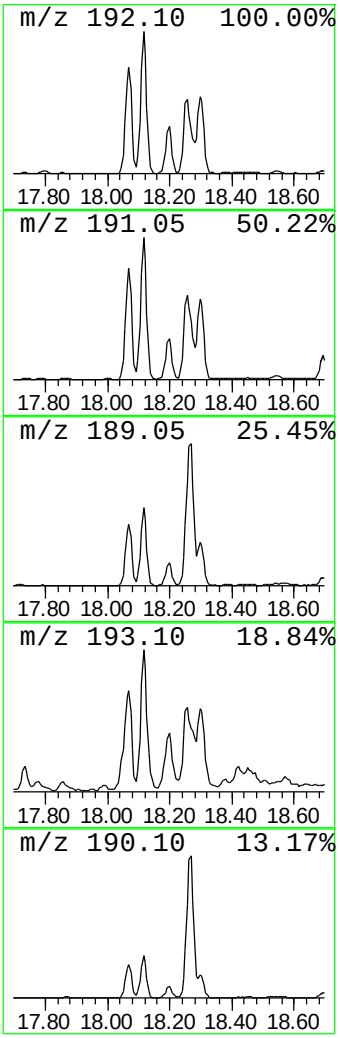
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	3.91 ng/ul	870980	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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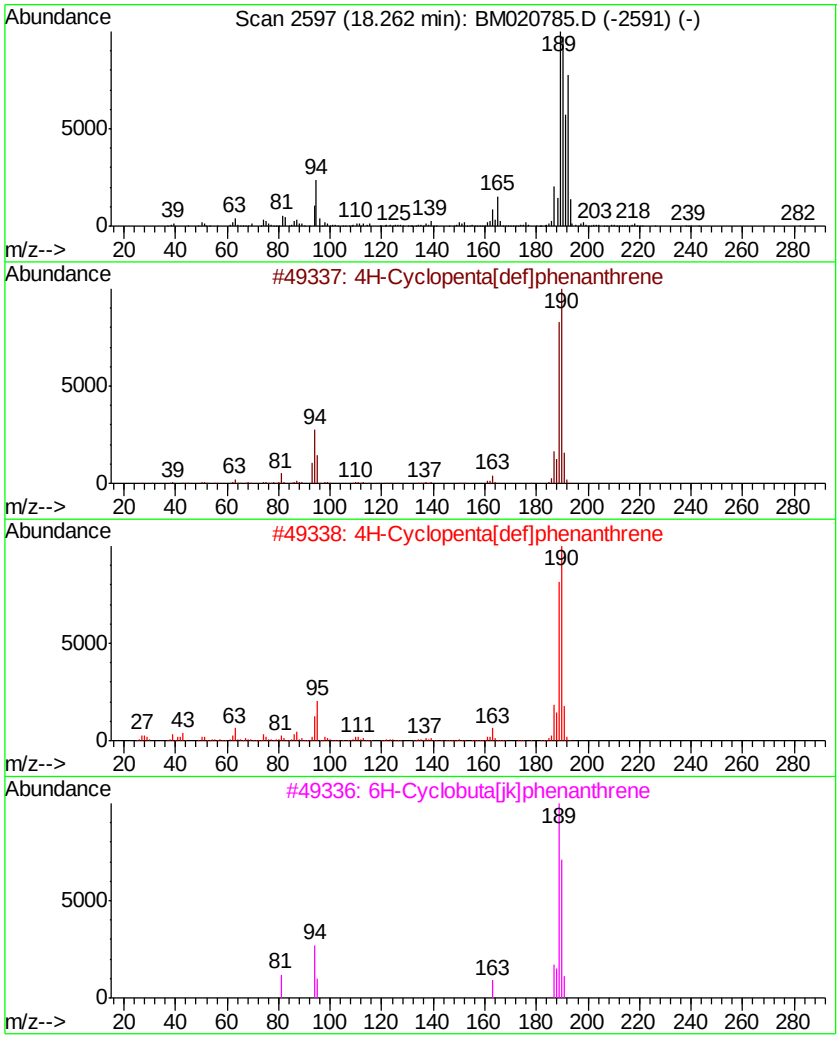
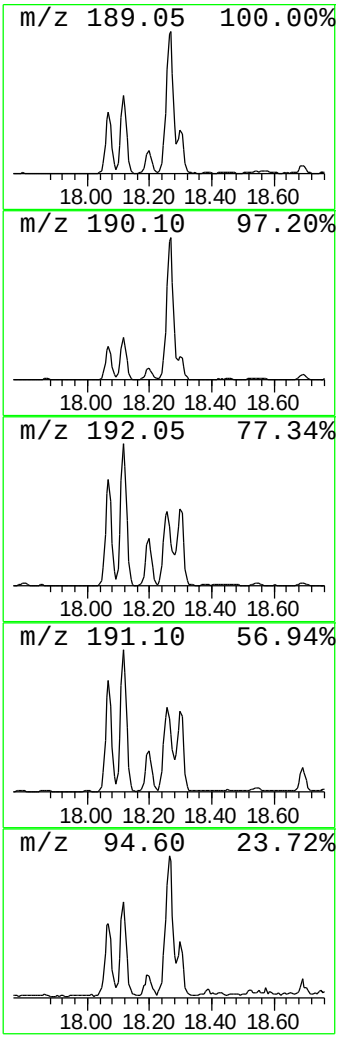
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	15.11 ng/ul	3364260	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
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	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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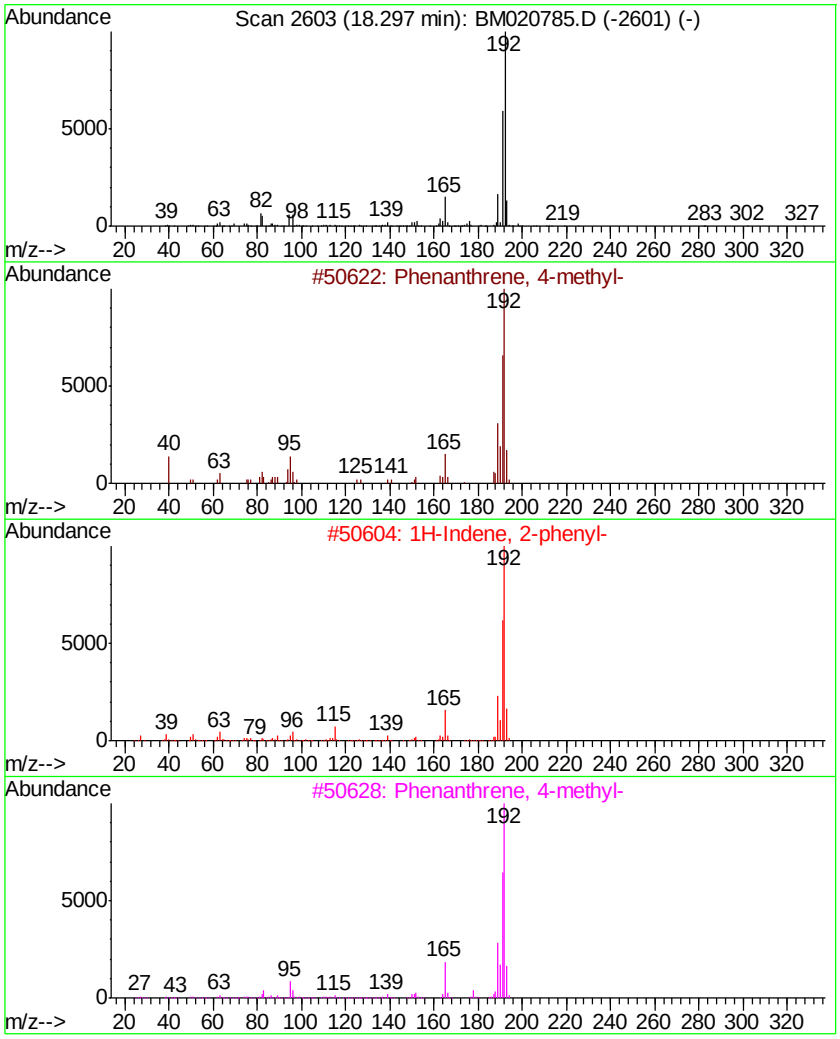
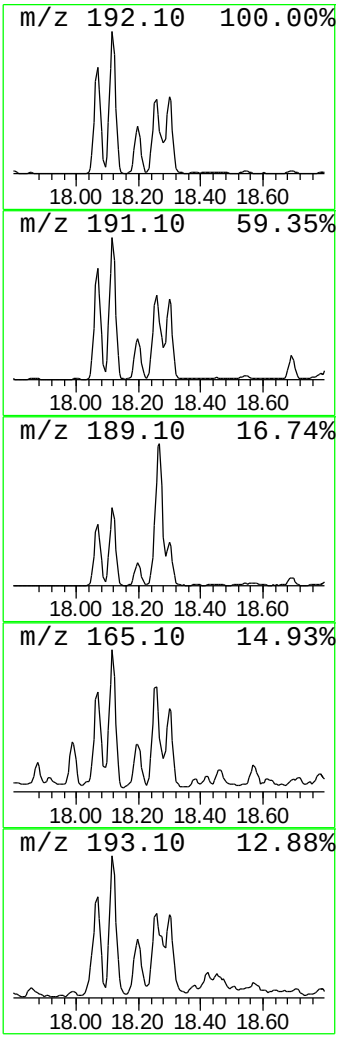
Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	6.08 ng/ul	1354020	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	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 14 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.95 ng/ul	1324850	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
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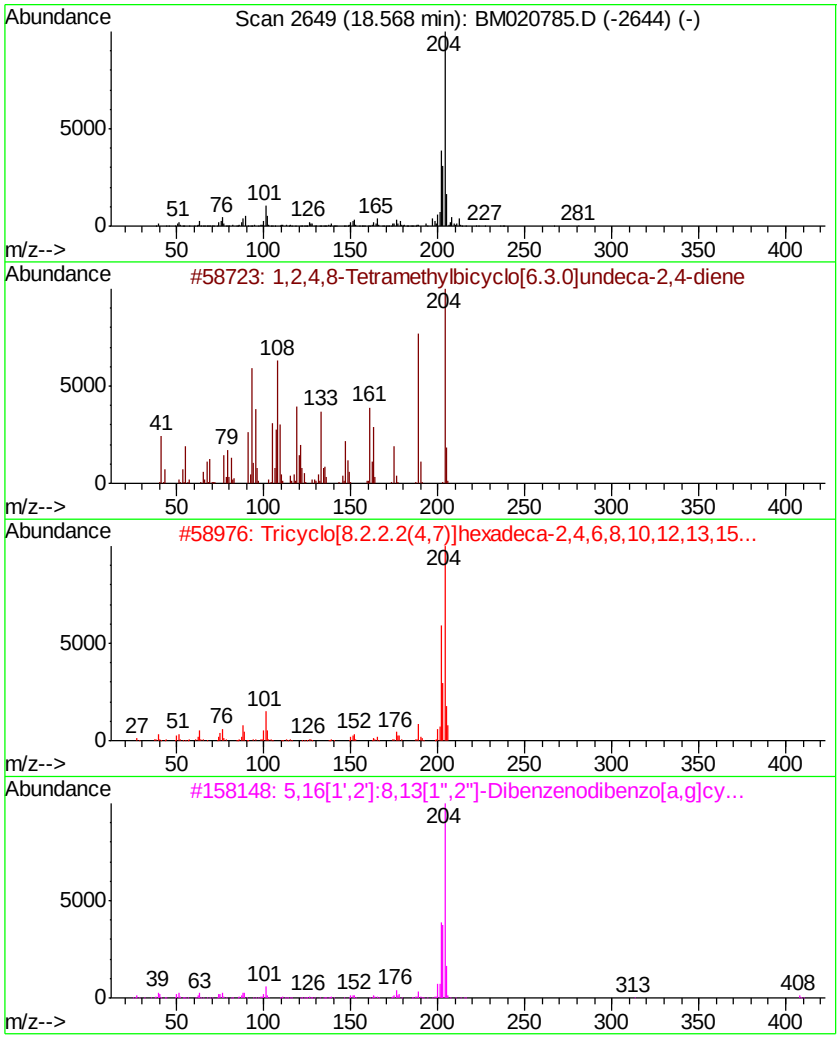

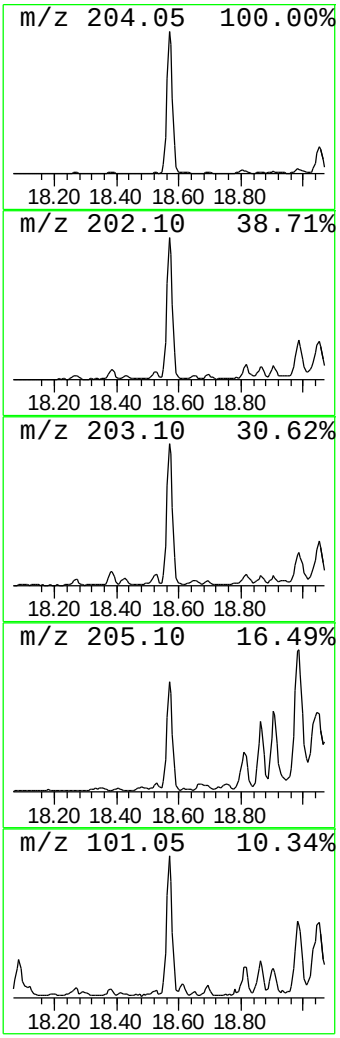

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Quant Title : SVOA CALIBRATION

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

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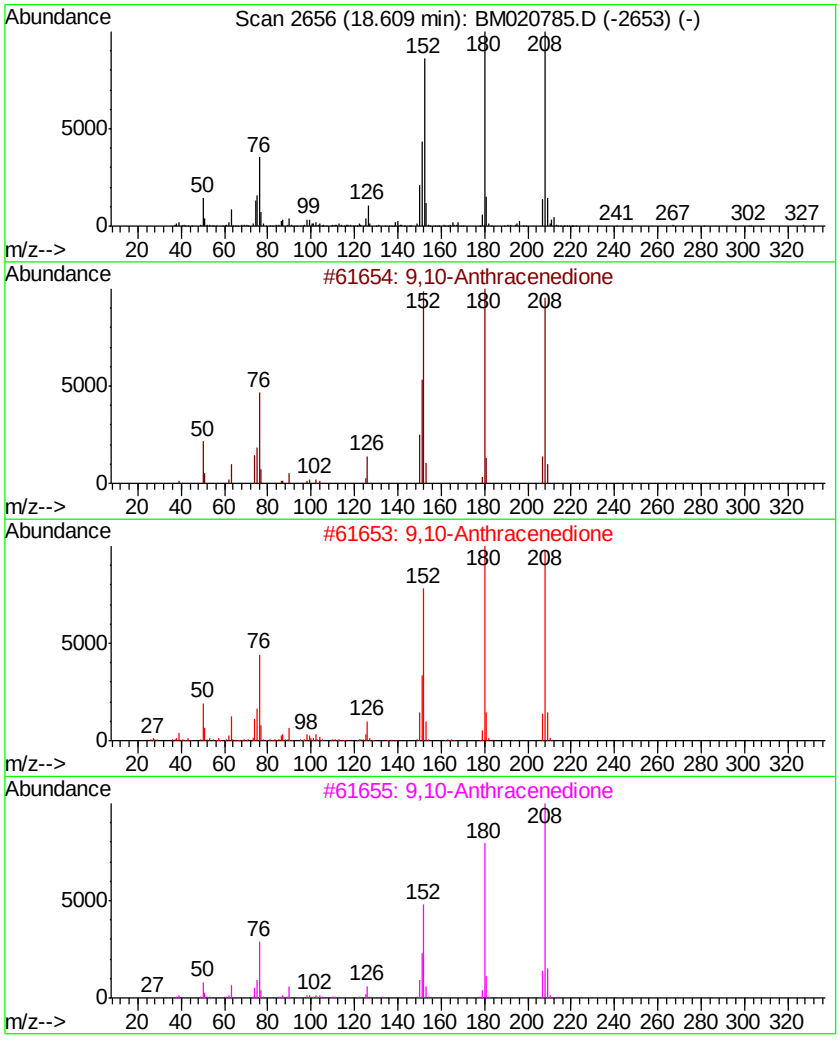
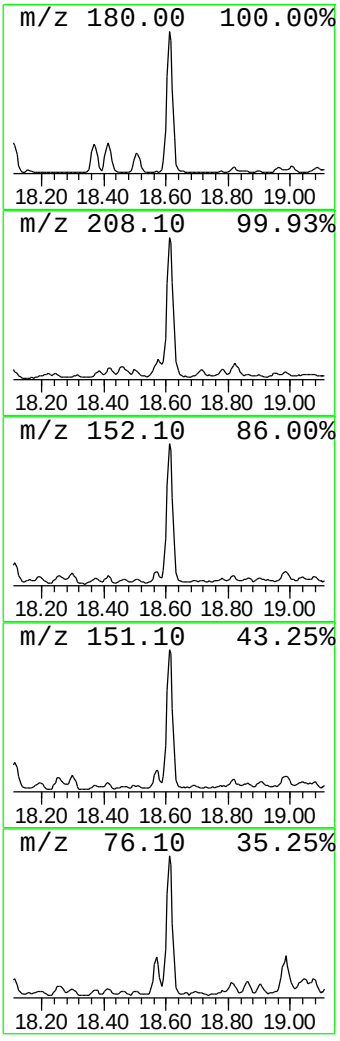
Peak Number 15 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	5.60 ng/ul	1247020	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
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	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.73 ng/ul	608418	Phenanthrene-d10	17.20

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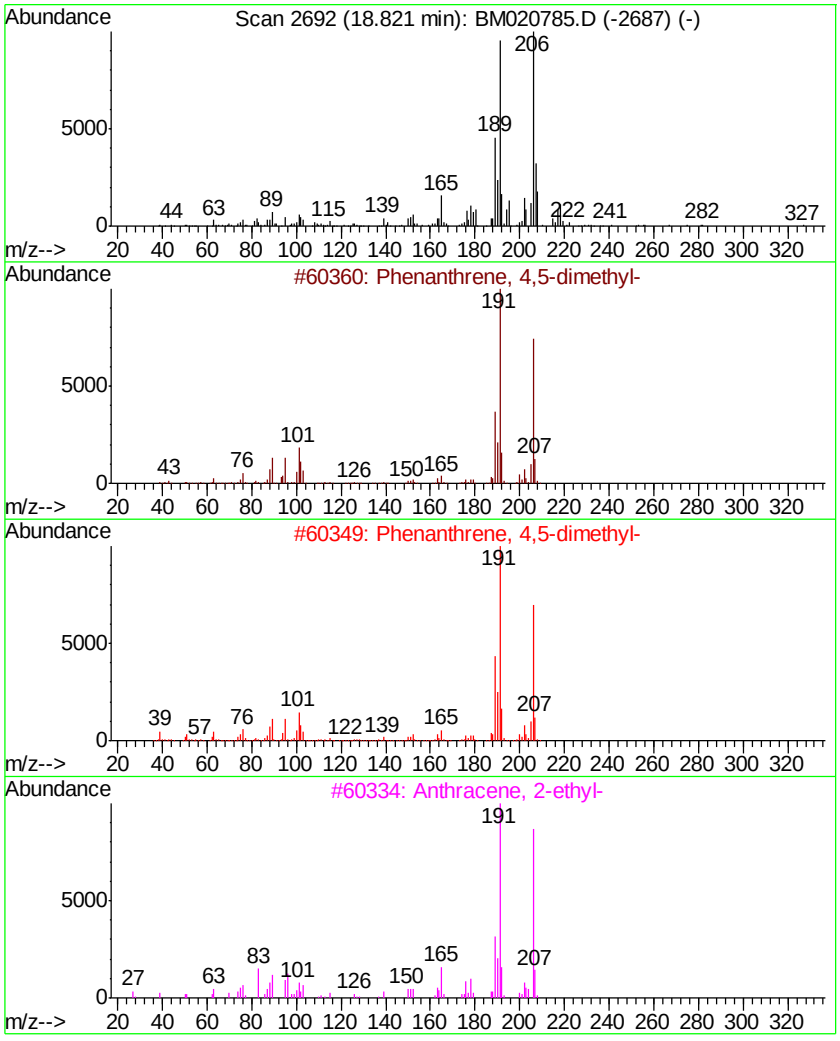

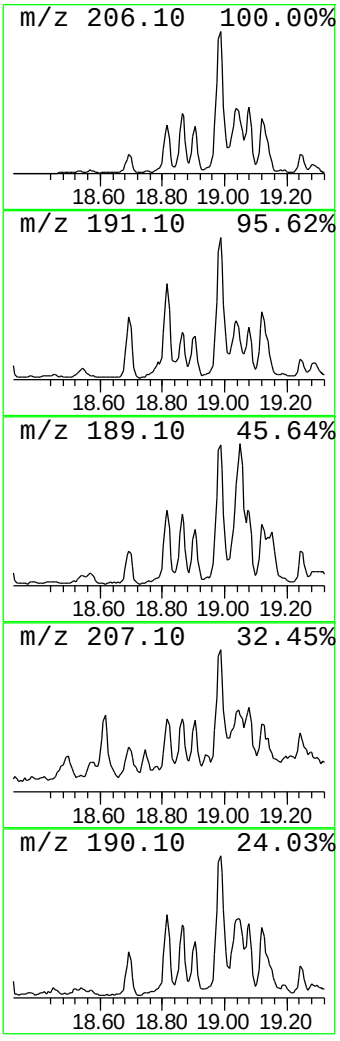

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Quant Title : SVOA CALIBRATION

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

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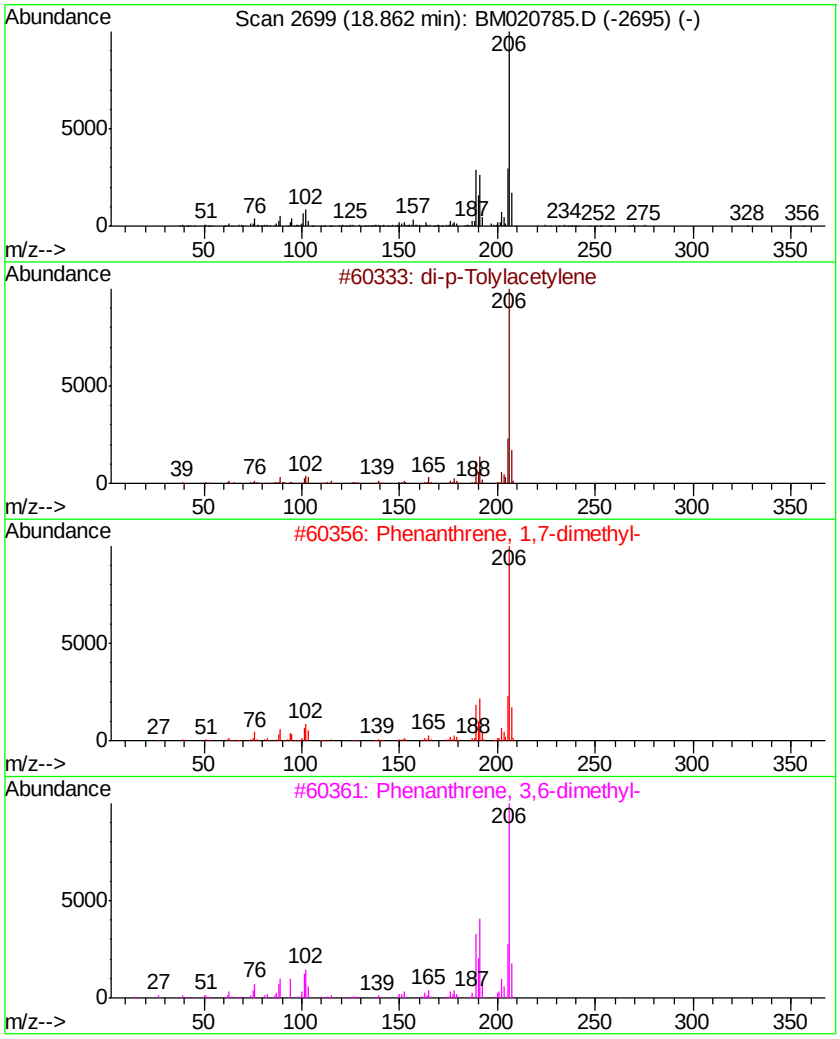
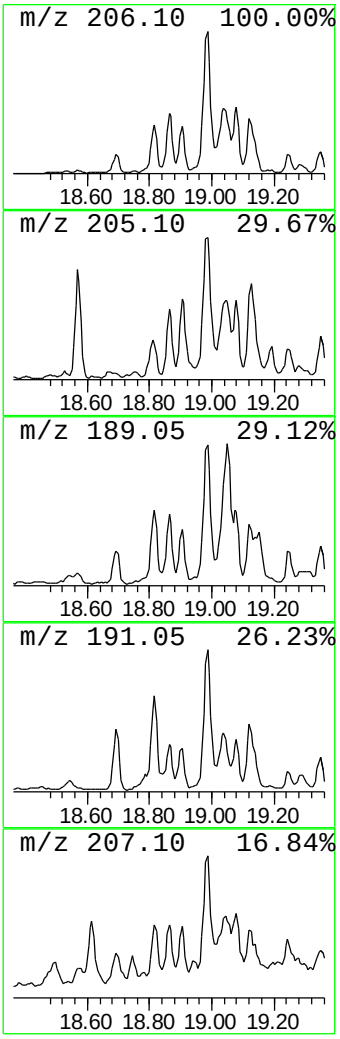
Peak Number 17 di-p-Tolylacetylene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.11 ng/ul	470148	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Library Search Compound Report

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Operator : HP/JU
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Misc :
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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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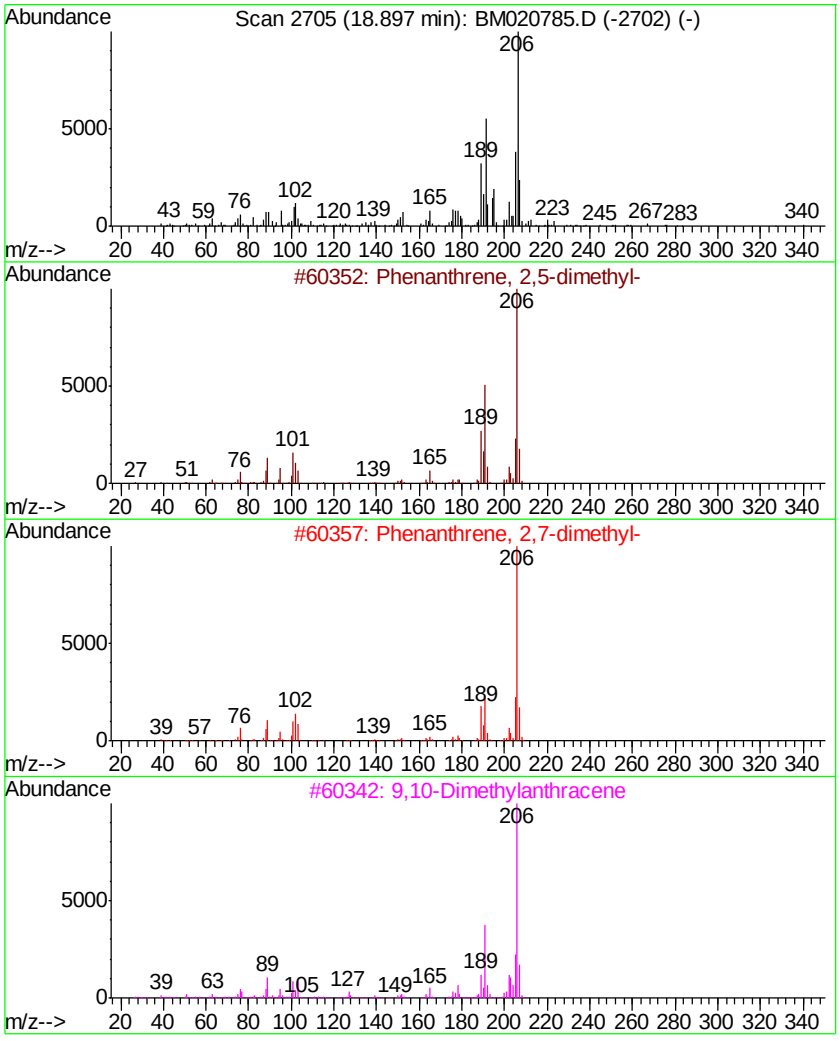
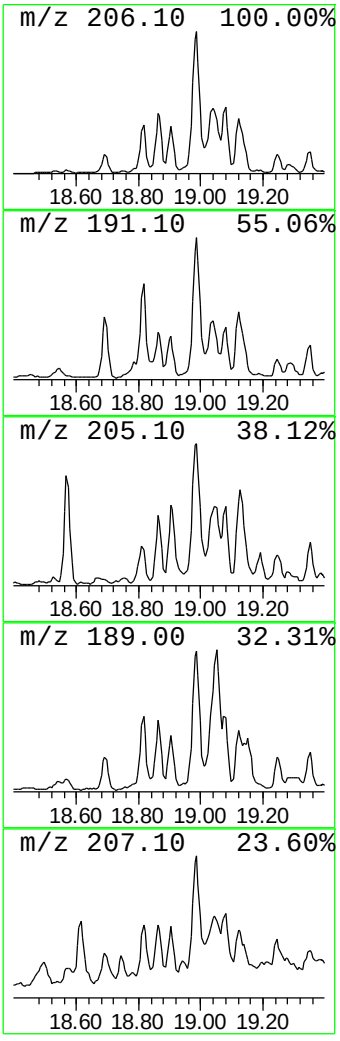
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.11 ng/ul	469782	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76





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ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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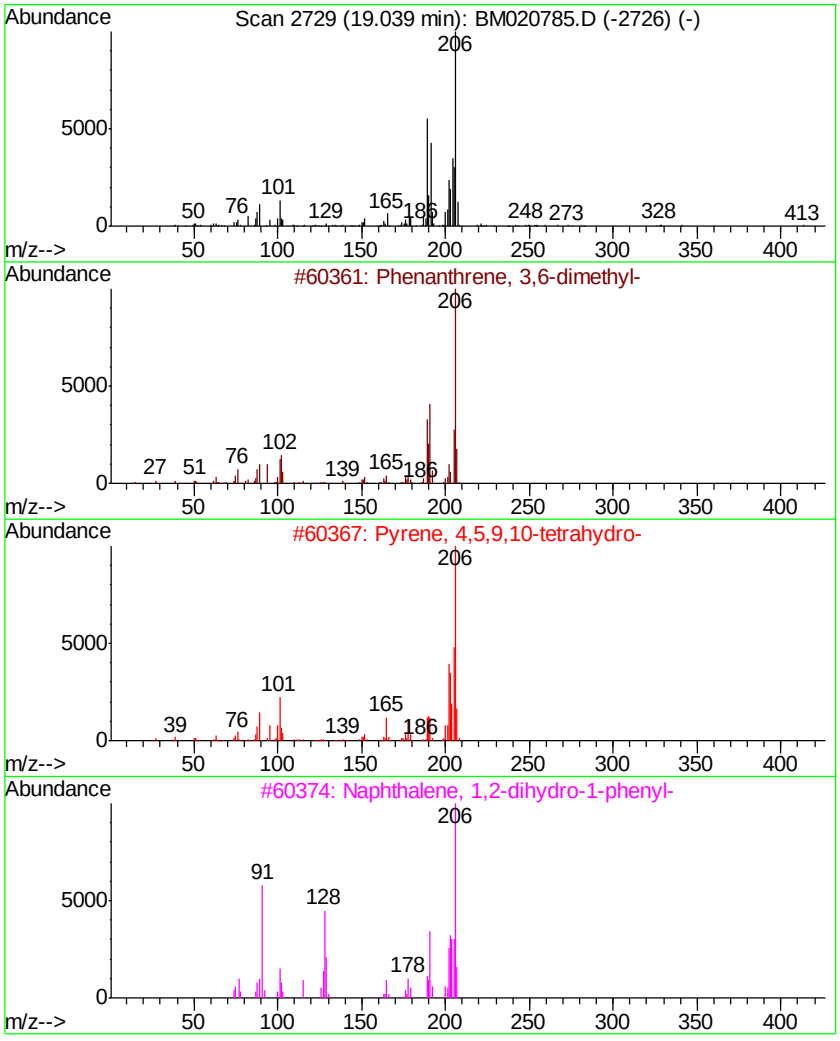
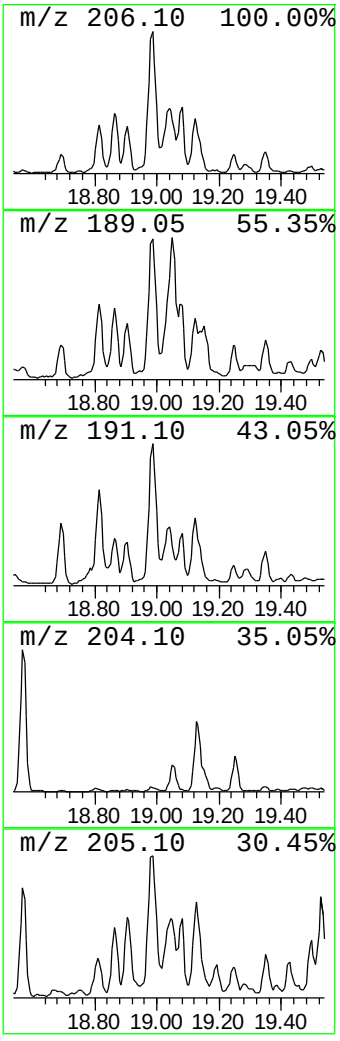
Peak Number 20 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	4.82 ng/ul	1072420	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
5	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	30





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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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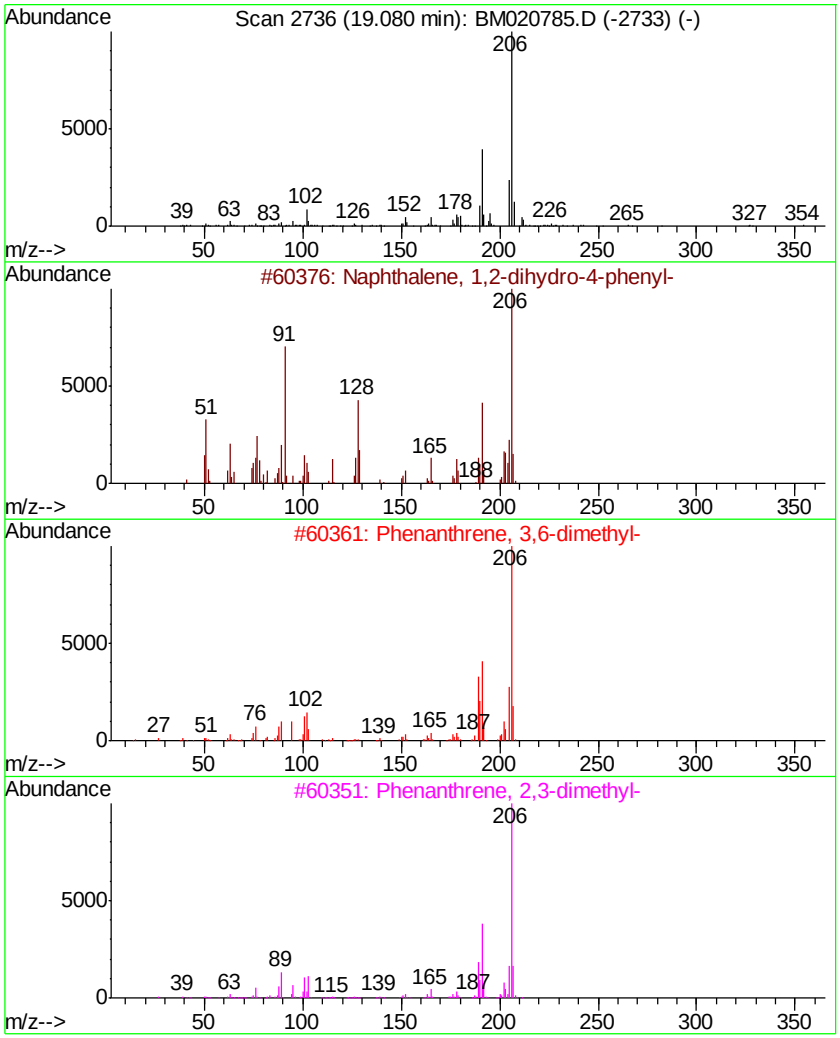
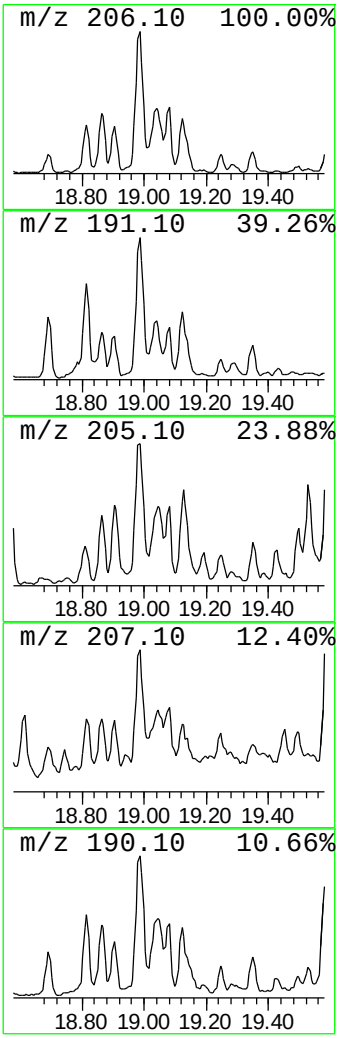
Peak Number 21 Naphthalene, 1,2-dihydro-4-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	2.36 ng/ul	526297	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	64
5	6-Methoxy-3-methyl-2-benzofuranc...	206	C11H10O4	010410-29-4	64





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Misc :
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ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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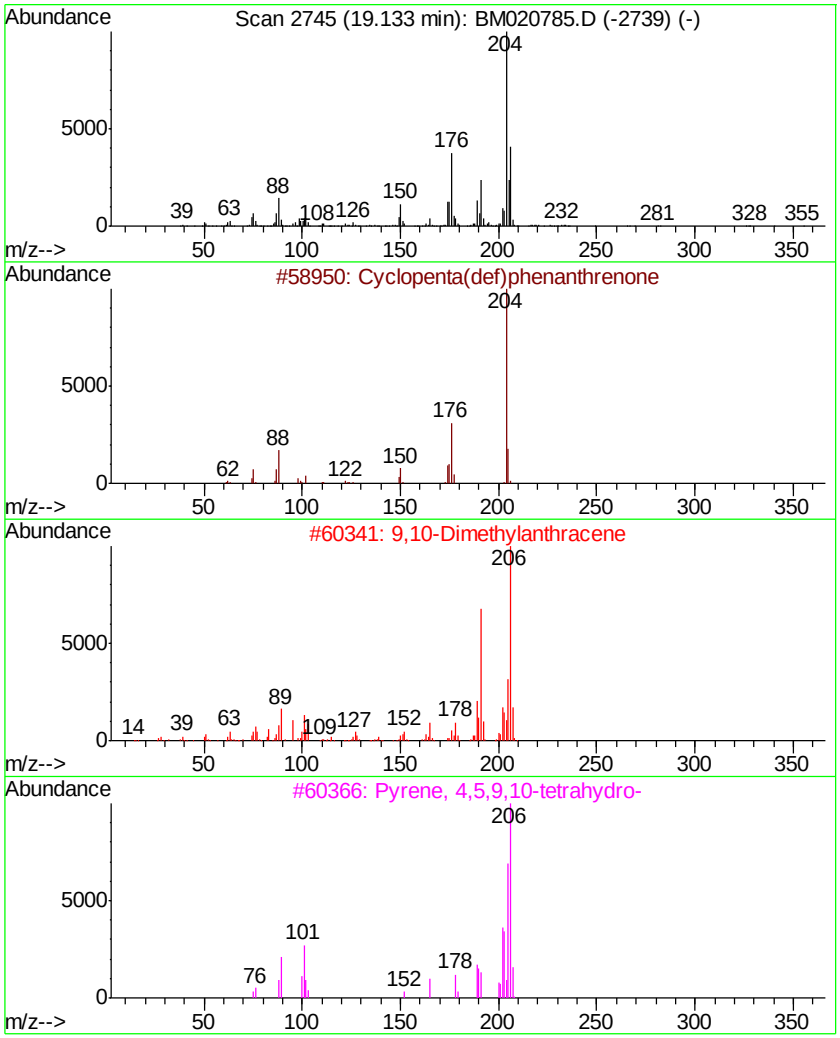
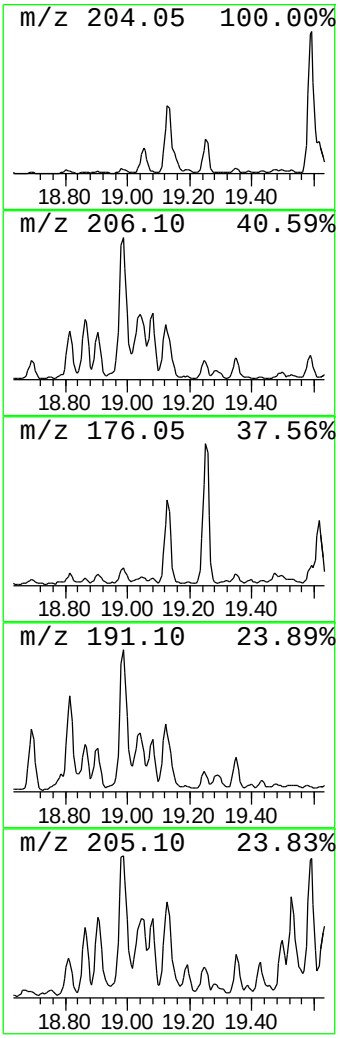
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	5.90 ng/ul	1313510	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35





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Quant Title : SVOA CALIBRATION

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

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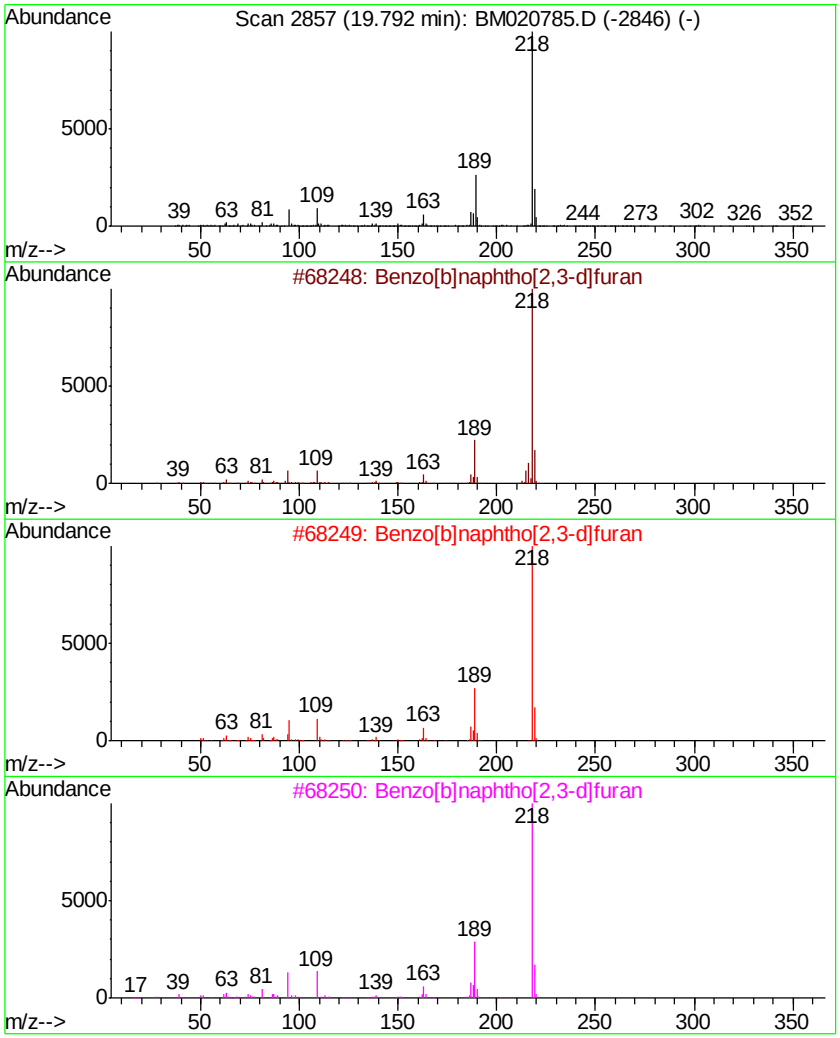
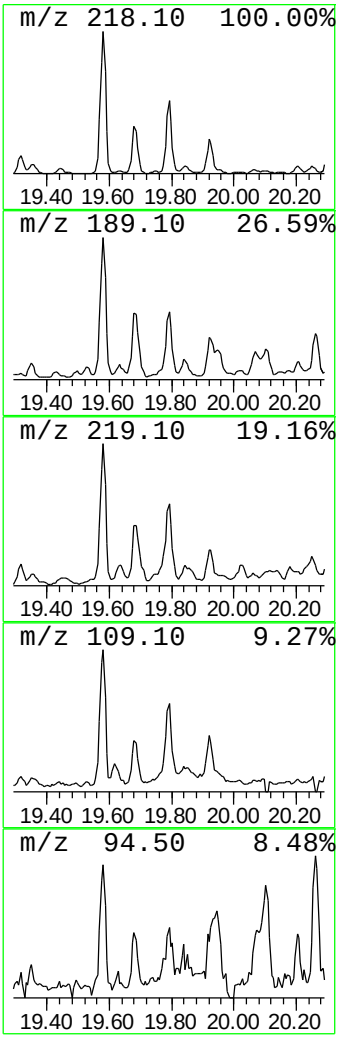
Peak Number 23 Benzo[b]naphtho[2,3-d]furan Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	2.26 ng/ul	1699630	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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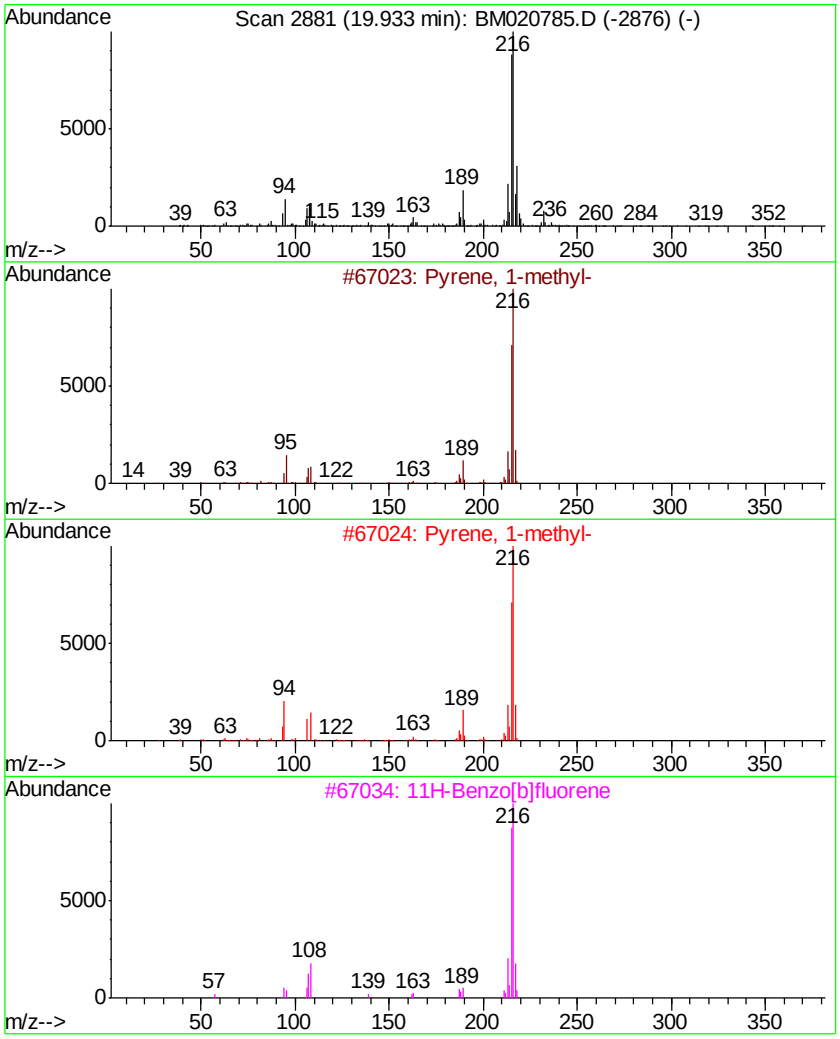
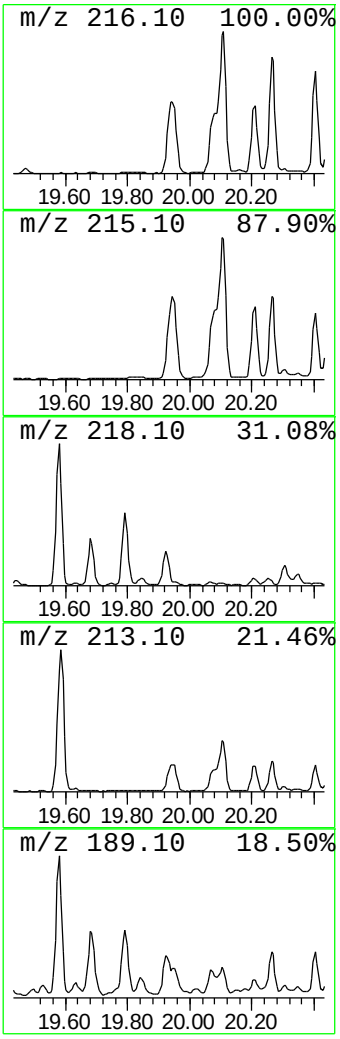
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.96 ng/ul	2222830	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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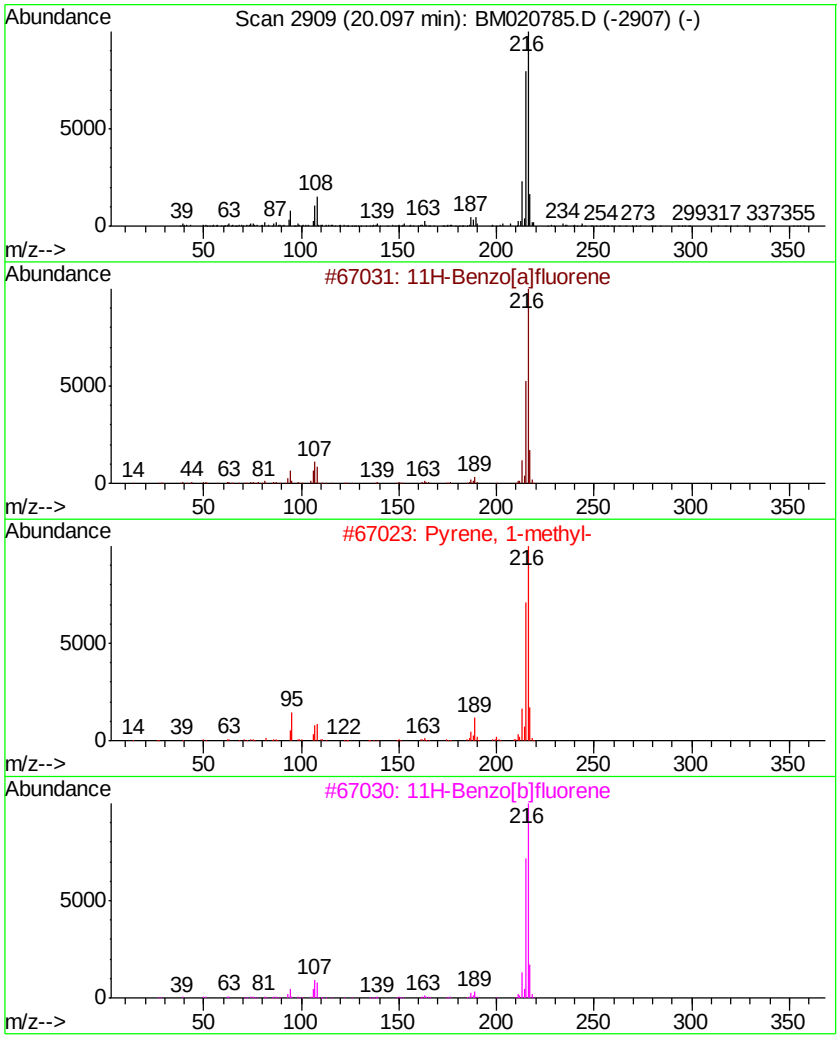
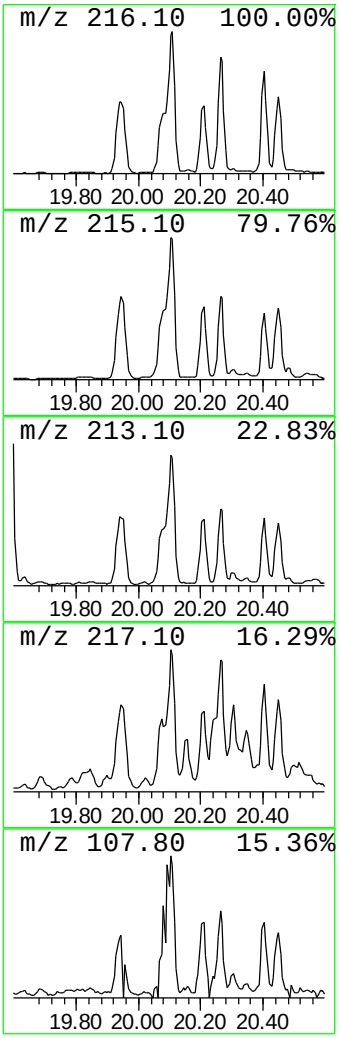
Peak Number 25 11H-Benzo[a]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.81 ng/ul	2112330	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : K3201-19
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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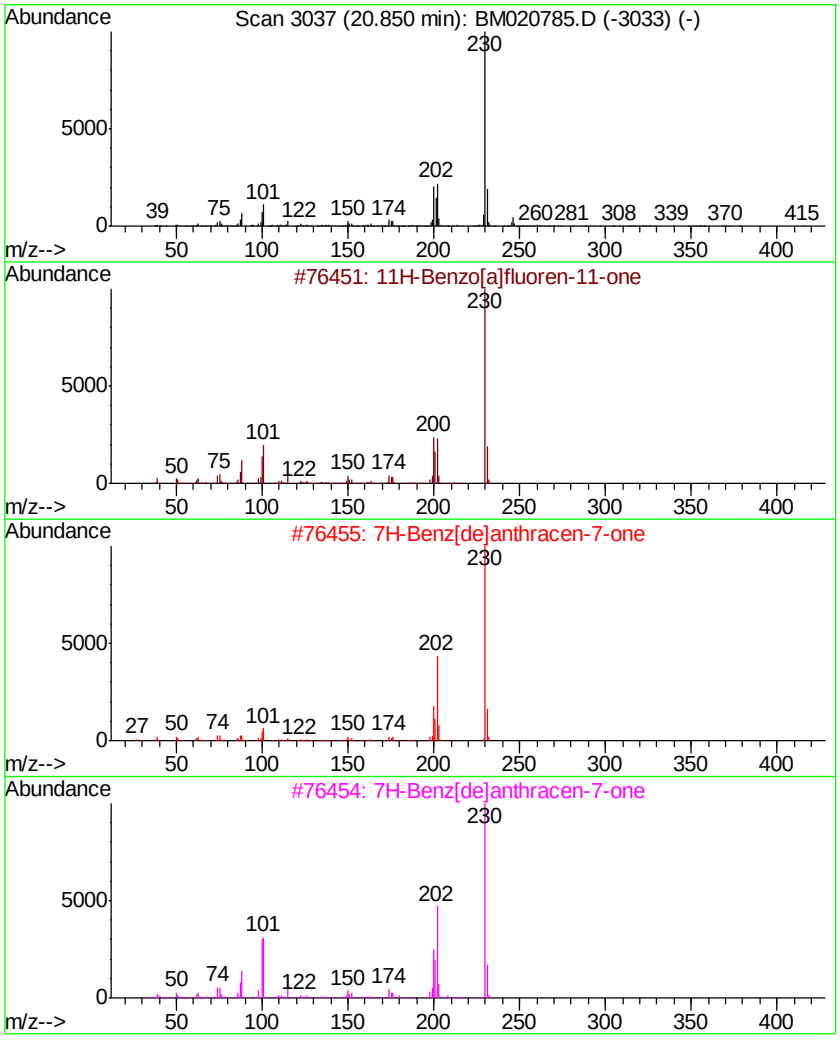
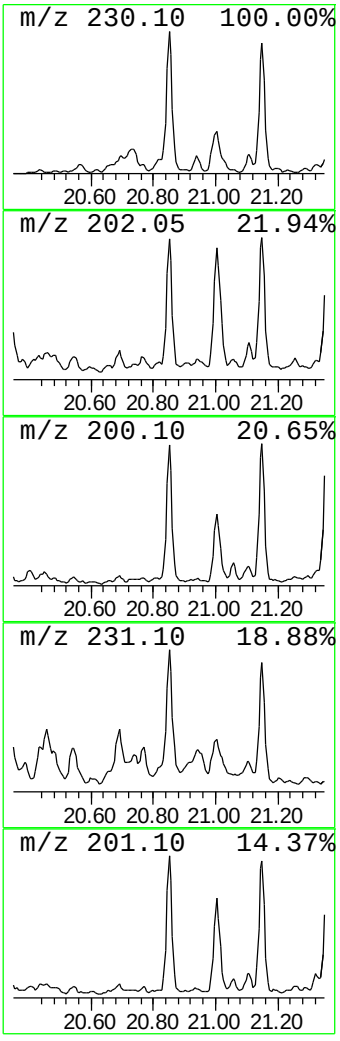
Peak Number 27 11H-Benzo[a]fluoren-11-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	2.33 ng/ul	1750540	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	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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Quant Title : SVOA CALIBRATION

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

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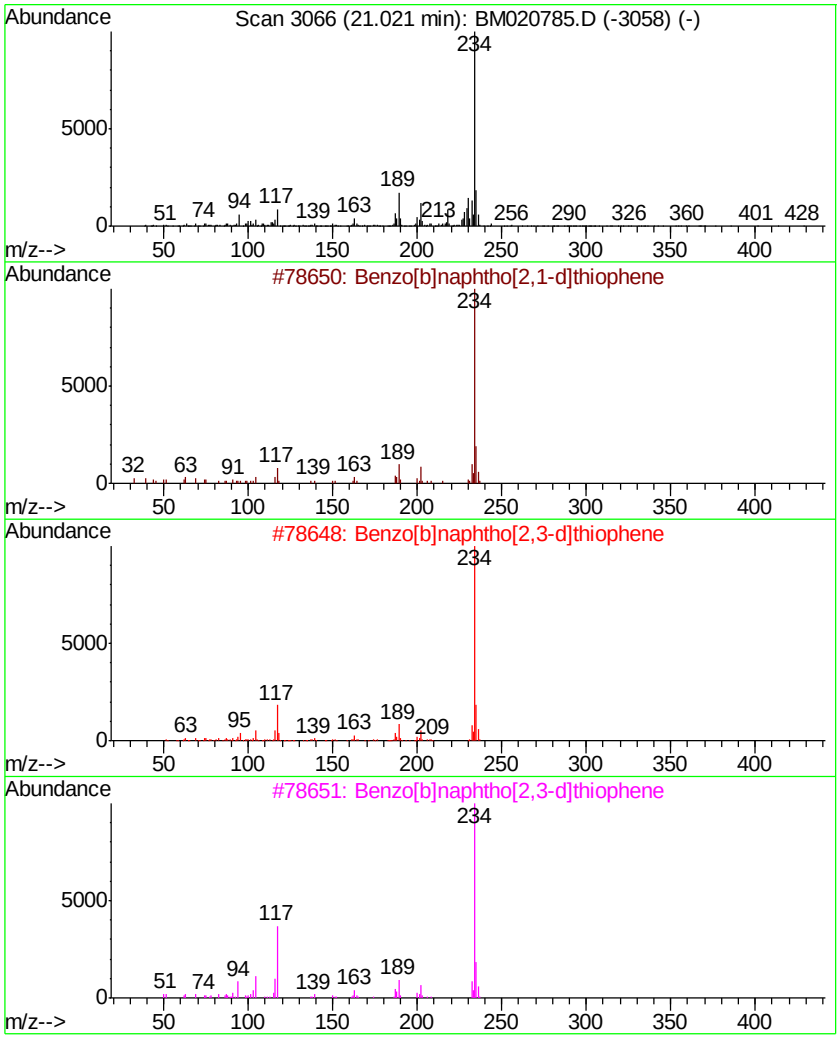
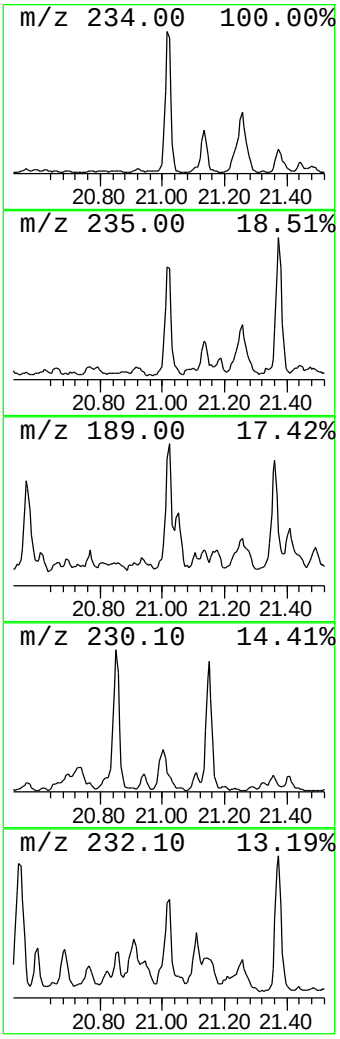
Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.80 ng/ul	2104420	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[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





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Quant Title : SVOA CALIBRATION

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

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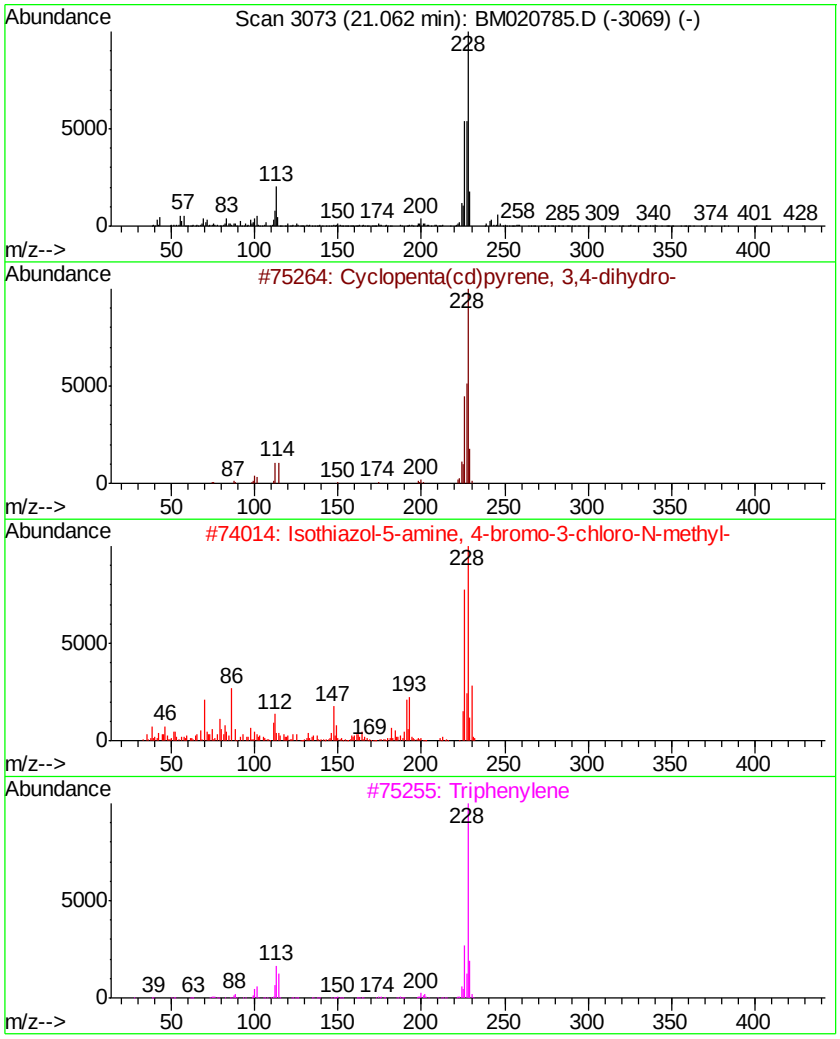
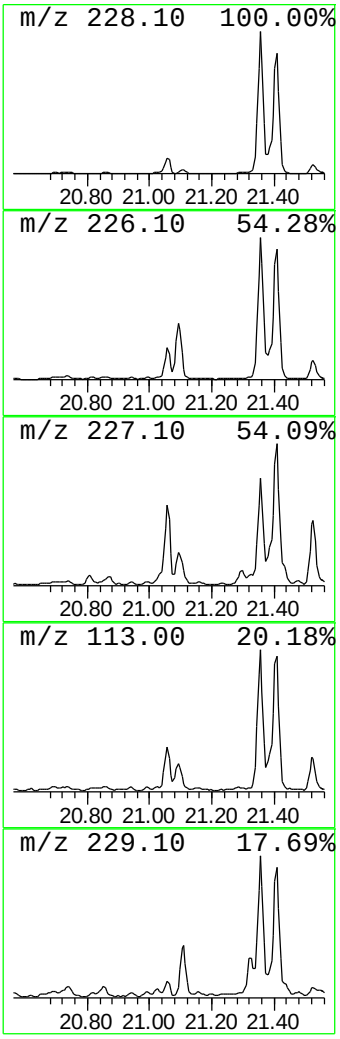
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.19 ng/ul	1645840	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	83
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
3	Triphenylene	228	C18H12	000217-59-4	55
4	Triphenylene	228	C18H12	000217-59-4	49
5	Triphenylene	228	C18H12	000217-59-4	45





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Quant Title : SVOA CALIBRATION

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

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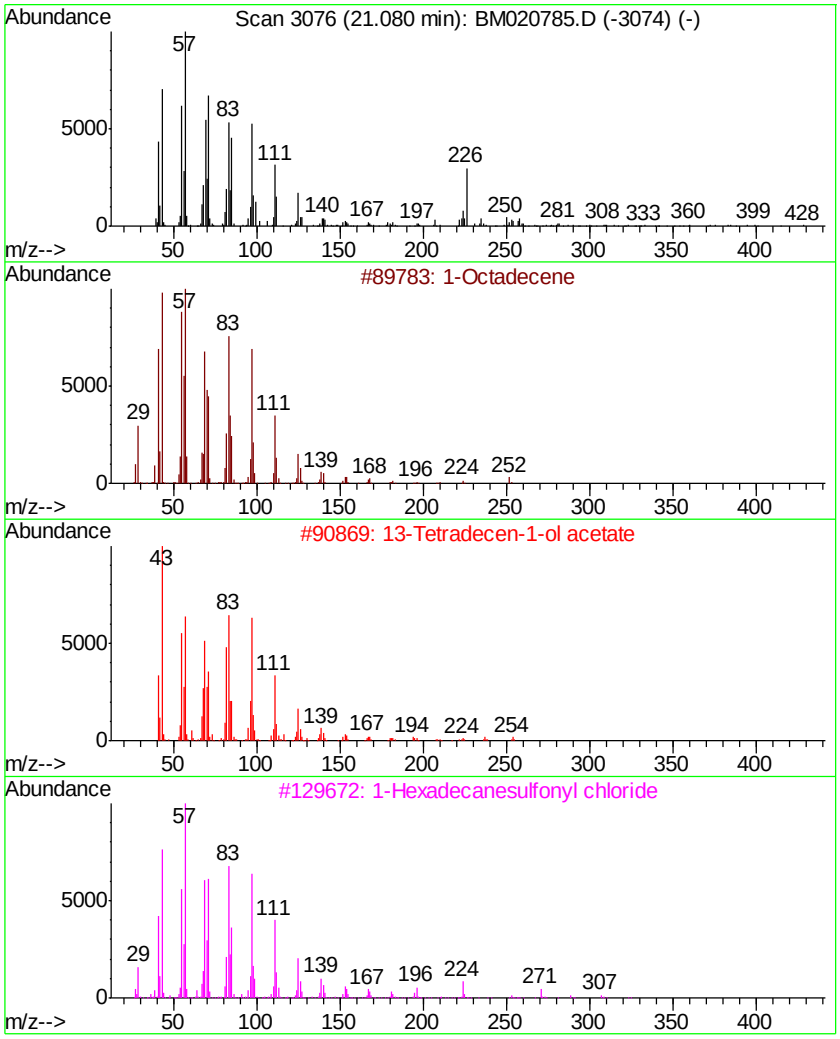
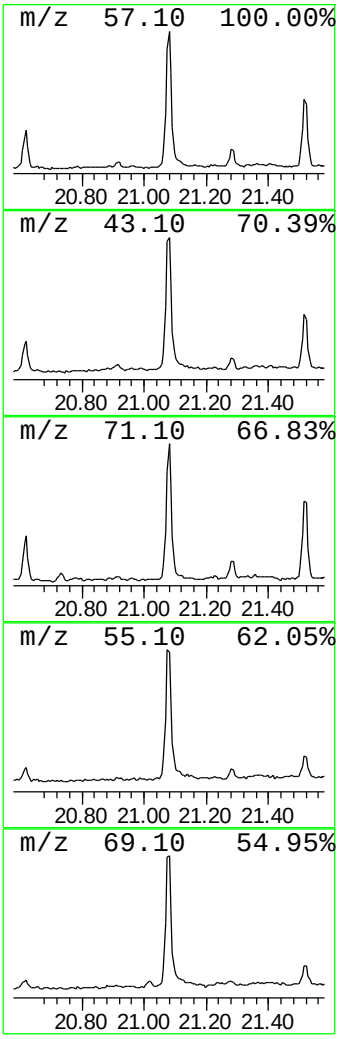
Peak Number 30 (DEL) Alkane: Cyclic21.08 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	3.88 ng/ul	2910090	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	89
2	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	78
3	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	76
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	70
5	1-Octadecene	252	C18H36	000112-88-9	70





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Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

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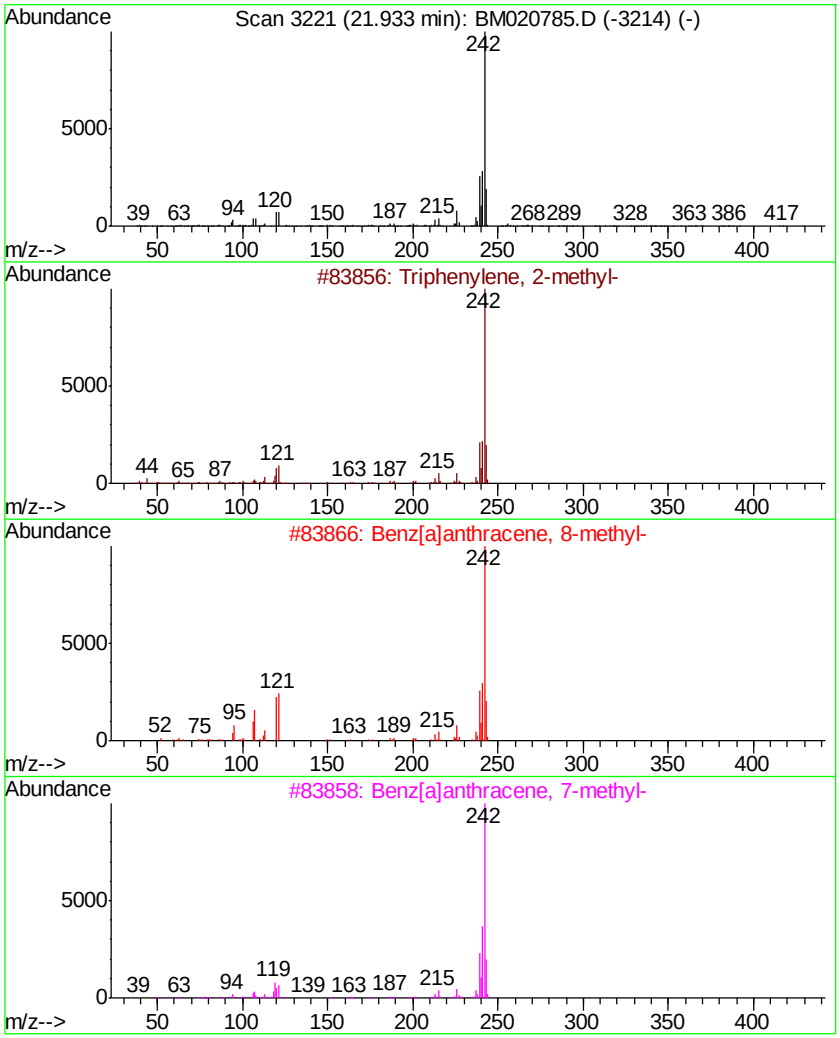
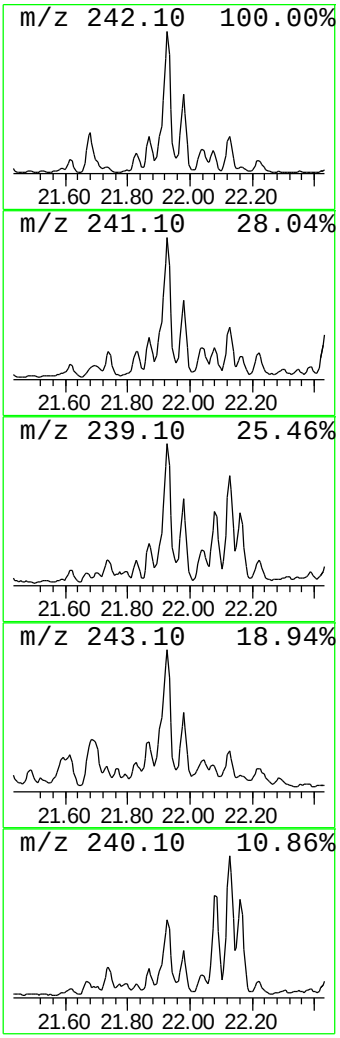
Peak Number 32 Triphenylene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	2.50 ng/ul	1877310	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90





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Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

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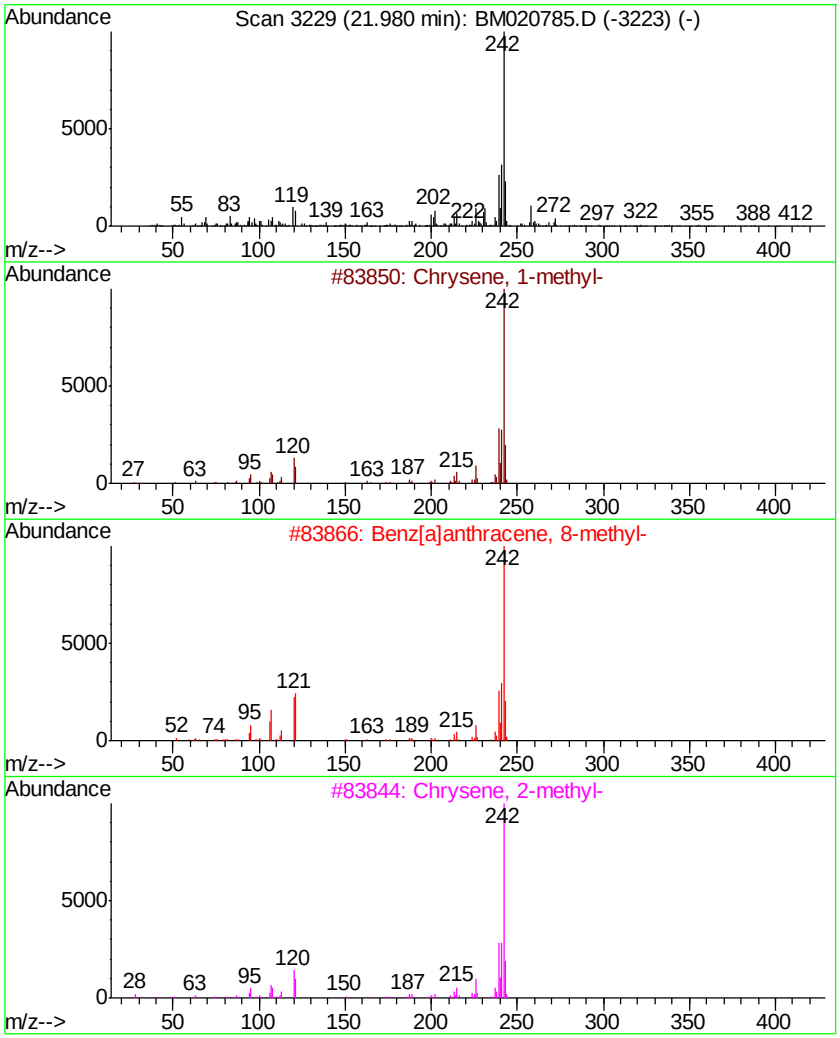
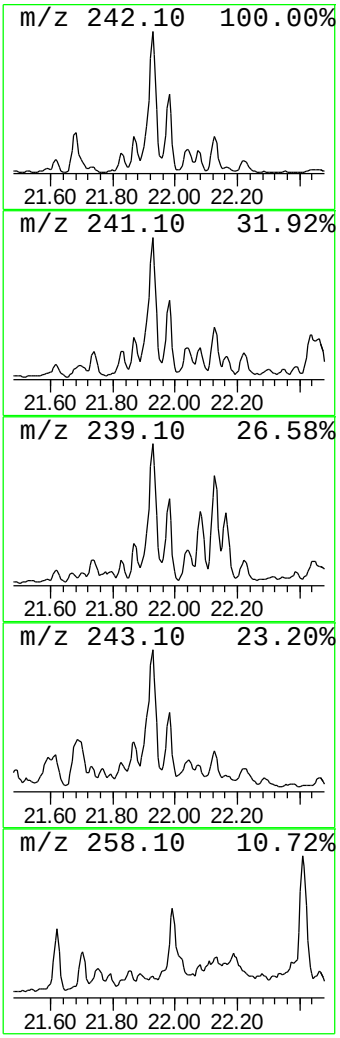
Peak Number 33 Chrysene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.98	2.44 ng/ul	1830430	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92





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Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

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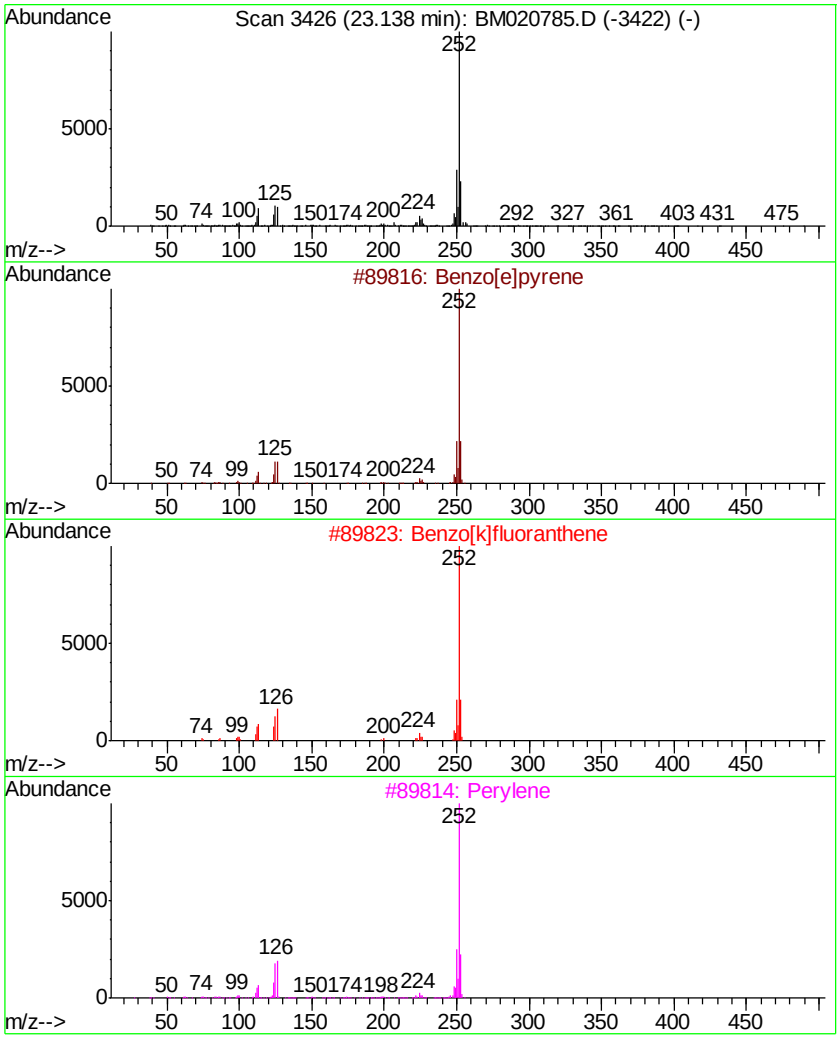
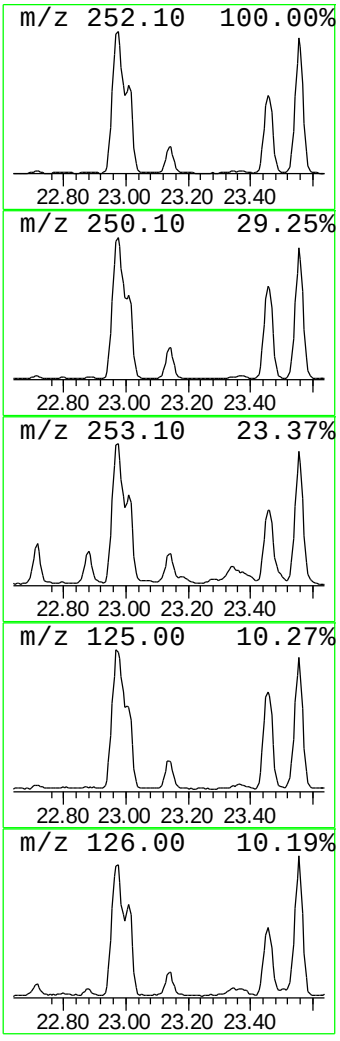
Peak Number 34 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	5.25 ng/ul	1278210	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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

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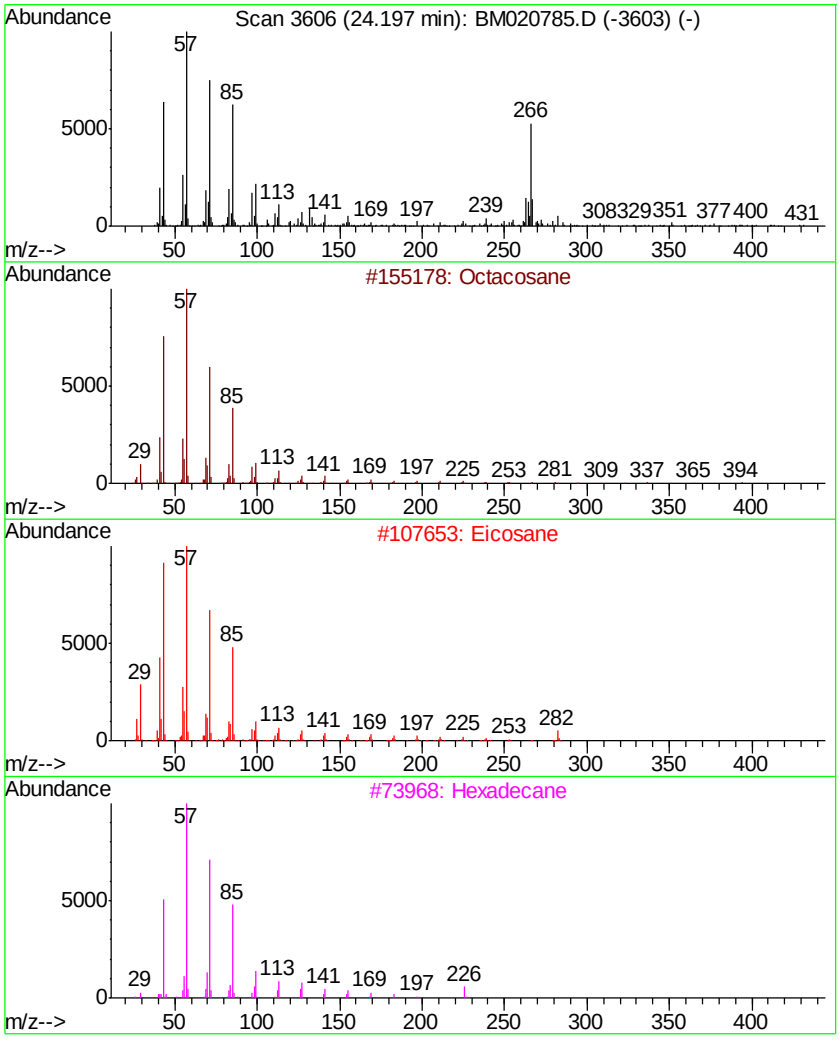
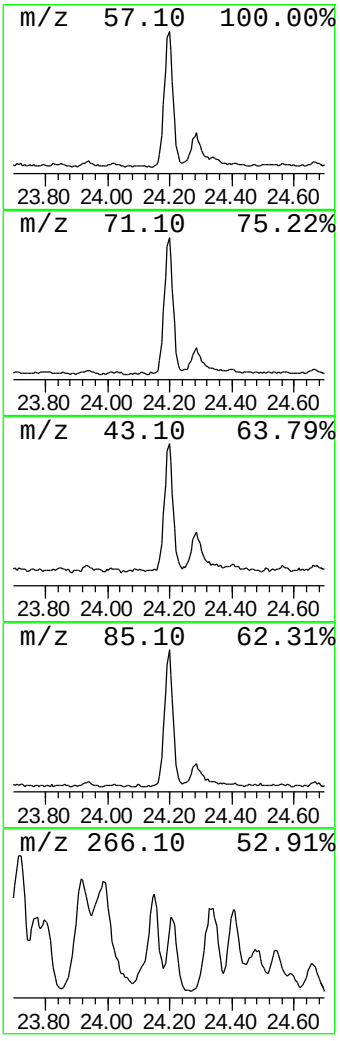
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	4.79 ng/ul	1166330	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	95
2	Eicosane	282	C20H42	000112-95-8	78
3	Hexadecane	226	C16H34	000544-76-3	70
4	Heneicosane	296	C21H44	000629-94-7	60
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060619\
Data File : BM020785.D
Acq On : 07 Jun 2019 04:14
Operator : HP/JU
Sample : K3201-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD0

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	69.4	ng/ul	6943160	1	7.81	2001480	20.0
Naphthalene, 1-me...	12.49	2.4	ng/ul	340261	2	10.60	2837210	20.0
Naphthalene, 2,3-...	13.77	2.0	ng/ul	388087	3	14.45	3813460	20.0
[1,1'-Biphenyl]-4...	15.79	2.9	ng/ul	546337	3	14.45	3813460	20.0
2,2-Dimethyl-1-ac...	16.73	2.1	ng/ul	474422	4	17.20	4454160	20.0
9H-Fluoren-9-one	16.85	3.0	ng/ul	677647	4	17.20	4454160	20.0
Dibenzothiophene	17.02	3.4	ng/ul	757763	4	17.20	4454160	20.0
Phenanthrene, 2-m...	18.07	16.6	ng/ul	3687160	4	17.20	4454160	20.0
Anthracene, 2-met...	18.20	3.9	ng/ul	870980	4	17.20	4454160	20.0
4H-Cyclopenta[def...	18.26	15.1	ng/ul	3364260	4	17.20	4454160	20.0
Phenanthrene, 4-m...	18.30	6.1	ng/ul	1354020	4	17.20	4454160	20.0
1,2,4,8-Tetrameth...	18.57	6.0	ng/ul	1324850	4	17.20	4454160	20.0
9,10-Anthracenedione	18.61	5.6	ng/ul	1247020	4	17.20	4454160	20.0
Phenanthrene, 4,5...	18.82	2.7	ng/ul	608418	4	17.20	4454160	20.0
di-p-Tolylacetylene	18.86	2.1	ng/ul	470148	4	17.20	4454160	20.0
Phenanthrene, 2,5...	18.90	2.1	ng/ul	469782	4	17.20	4454160	20.0
Phenanthrene, 3,6...	19.04	4.8	ng/ul	1072420	4	17.20	4454160	20.0
Naphthalene, 1,2-...	19.08	2.4	ng/ul	526297	4	17.20	4454160	20.0
Cyclopenta(def)ph...	19.13	5.9	ng/ul	1313510	4	17.20	4454160	20.0
Benzo[b]naphtho[2...	19.79	2.3	ng/ul	1699630	5	21.37	15010700	20.0
Pyrene, 1-methyl-	19.93	3.0	ng/ul	2222830	5	21.37	15010700	20.0
11H-Benzo[a]fluorene	20.10	2.8	ng/ul	2112330	5	21.37	15010700	20.0
11H-Benzo[a]fluor...	20.85	2.3	ng/ul	1750540	5	21.37	15010700	20.0
Benzo[b]naphtho[2...	21.02	2.8	ng/ul	2104420	5	21.37	15010700	20.0
Cyclopenta(cd)pyr...	21.06	2.2	ng/ul	1645840	5	21.37	15010700	20.0
(DEL) Alkane: Cyc...	21.08	3.9	ng/ul	2910090	5	21.37	15010700	20.0
Triphenylene, 2-m...	21.93	2.5	ng/ul	1877310	5	21.37	15010700	20.0
Chrysene, 1-methyl-	21.98	2.4	ng/ul	1830430	5	21.37	15010700	20.0
Benzo[e]pyrene	23.14	5.3	ng/ul	1278210	6	23.66	4869550	20.0
(DEL) Alkane: Str...	24.20	4.8	ng/ul	1166330	6	23.66	4869550	20.0