LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023217.D
Acq On : 17 Oct 2019 12:14
Operator : JU
Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

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-BM101419MA.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	5.675	452	457	470	rBV4	71183	187410	0.90%	0.071%
2	6.840	648	655	665	rVV2	1096211	2040697	9.79%	0.772%
3	7.004	675	683	691	rBV	831477	1358109	6.52%	0.514%
4	7.198	709	716	730	rVB	1204300	1898248	9.11%	0.718%
5	7.328	730	738	748	rBV3	129191	296306	1.42%	0.112%
6	7.663	787	795	802	rBV	1633791	2557443	12.27%	0.968%
7	8.369	909	915	923	rVV	1202366	1887003	9.05%	0.714%
8	8.810	975	990	998	rBV	1040311	1768388	8.48%	0.669%
9	9.528	1106	1112	1120	rVB	790230	1329730	6.38%	0.503%
10	10.069	1198	1204	1213	rVV	1398214	2305879	11.06%	0.872%
11	10.445	1260	1268	1273	rBV	2087184	3533912	16.95%	1.337%
12	10.492	1273	1276	1284	rVB	299326	490570	2.35%	0.186%
13	10.581	1284	1291	1299	rBV	731562	1339031	6.42%	0.507%
14	11.969	1521	1527	1534	rVV3	119077	331734	1.59%	0.126%
15	12.116	1546	1552	1561	rVB	243673	431051	2.07%	0.163%
16	12.339	1583	1590	1595	rBV	192717	306618	1.47%	0.116%
17	13.139	1722	1726	1737	rVB3	81819	212329	1.02%	0.080%
18	13.339	1756	1760	1770	rVB2	79748	225686	1.08%	0.085%
19	13.545	1791	1795	1800	rBV	118526	187478	0.90%	0.071%
20	13.633	1804	1810	1815	rVV2	187581	325505	1.56%	0.123%
21	13.727	1821	1826	1830	rVV	2226627	3149504	15.11%	1.192%
22	13.769	1830	1833	1839	rVV2	986121	1386940	6.65%	0.525%
23	13.998	1866	1872	1876	rBV	2609030	4304689	20.65%	1.629%
24	14.310	1918	1925	1931	rBV	2960766	4339028	20.82%	1.642%
25	14.374	1931	1936	1940	rBV	330085	485514	2.33%	0.184%
26	14.504	1953	1958	1969	rBV2	634835	1037732	4.98%	0.393%
27	14.716	1988	1994	2003	rBV4	229297	620079	2.97%	0.235%
28	14.798	2003	2008	2012	rVB	137228	213737	1.03%	0.081%
29	14.921	2023	2029	2035	rBV3	230068	541523	2.60%	0.205%
30	15.080	2051	2056	2059	rBV2	104618	203880	0.98%	0.077%
31	15.186	2069	2074	2080	rVB2	283914	458953	2.20%	0.174%
32	15.304	2089	2094	2100	rVB	3253212	4576196	21.95%	1.731%
33	15.357	2100	2103	2110	rBV2	326648	591222	2.84%	0.224%
34	15.421	2110	2114	2118	rVV	324695	420326	2.02%	0.159%

LSC Area Percent Report

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Operator : JU
Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

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-BM101419MA.M
Title : SVOA CALIBRATION

35	15.657	2150	2154	2158	rBV	161795	260265	1.25%	0.098%
36	15.810	2175	2180	2187	rVB2	181136	396168	1.90%	0.150%
37	16.033	2214	2218	2225	rBV6	174644	427961	2.05%	0.162%
38	16.092	2225	2228	2235	rVB	186143	240438	1.15%	0.091%
39	16.363	2269	2274	2280	rBV5	172267	405175	1.94%	0.153%
40	16.639	2317	2321	2325	rVB2	282831	362958	1.74%	0.137%
41	16.710	2330	2333	2342	rVB4	182169	341618	1.64%	0.129%
42	16.798	2344	2348	2354	rVV5	144192	303807	1.46%	0.115%
43	16.874	2356	2361	2365	rVV	266124	489541	2.35%	0.185%
44	16.910	2365	2367	2373	rVB	156278	185213	0.89%	0.070%
45	17.057	2386	2392	2395	rBV2	3128239	4543416	21.80%	1.719%
46	17.098	2395	2399	2404	rVV	5375964	7572709	36.33%	2.865%
47	17.157	2404	2409	2412	rVV	3347913	5054160	24.25%	1.912%
48	17.186	2412	2414	2420	rVB	2003451	2474030	11.87%	0.936%
49	17.257	2421	2426	2431	rVV4	218742	413289	1.98%	0.156%
50	17.457	2457	2460	2465	rVB	150646	219752	1.05%	0.083%
51	17.515	2466	2470	2472	rBV3	135368	223058	1.07%	0.084%
52	17.586	2479	2482	2486	rVB2	172111	227498	1.09%	0.086%
53	17.639	2487	2491	2496	rBV2	281613	445144	2.14%	0.168%
54	17.933	2536	2541	2545	rBV	1106452	1578777	7.57%	0.597%
55	17.980	2545	2549	2556	rVB	1708868	2367406	11.36%	0.896%
56	18.062	2557	2563	2567	rVV	836997	1278459	6.13%	0.484%
57	18.127	2568	2574	2578	rVV2	1995017	3881477	18.62%	1.469%
58	18.162	2578	2580	2589	rVB	1007831	1305277	6.26%	0.494%
59	18.439	2623	2627	2630	rBV	741891	929291	4.46%	0.352%
60	18.468	2630	2632	2644	rVB3	437676	684233	3.28%	0.259%
61	18.692	2667	2670	2674	rVB3	465588	577262	2.77%	0.218%
62	18.739	2675	2678	2681	rBV	323044	396091	1.90%	0.150%
63	18.856	2694	2698	2703	rBV2	1320978	2112731	10.14%	0.799%
64	18.921	2704	2709	2712	rVV3	779778	1406638	6.75%	0.532%
65	18.951	2712	2714	2718	rVB	558389	584490	2.80%	0.221%
66	18.998	2718	2722	2729	rBV4	741936	1419460	6.81%	0.537%
67	19.121	2737	2743	2748	rVB	12801330	16570724	79.50%	6.270%
68	19.192	2751	2755	2758	rBV	1017328	1267891	6.08%	0.480%
69	19.268	2764	2768	2772	rBV	1051699	1350768	6.48%	0.511%
70	19.362	2781	2784	2785	rBV	377107	386514	1.85%	0.146%
71	19.456	2794	2800	2801	rBV	5914702	7718359	37.03%	2.920%

LSC Area Percent Report

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Operator : JU
Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

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-BM101419MA.M
Title : SVOA CALIBRATION

72	19.486	2801	2805	2813	rVV	11318696	17031908	81.71%	6.444%
73	19.562	2815	2818	2825	rVB2	628017	1249201	5.99%	0.473%
74	19.662	2832	2835	2839	rBV	727343	900947	4.32%	0.341%
75	19.815	2856	2861	2866	rBV3	1098131	2332429	11.19%	0.883%
76	19.956	2880	2885	2886	rBV3	981931	1719094	8.25%	0.650%
77	19.980	2886	2889	2894	rVB2	2567776	3742611	17.96%	1.416%
78	20.080	2903	2906	2910	rBV	1680011	2044575	9.81%	0.774%
79	20.139	2912	2916	2920	rVV2	1557391	2116708	10.16%	0.801%
80	20.233	2928	2932	2936	rBV2	857768	1357536	6.51%	0.514%
81	20.280	2936	2940	2944	rVV	1269555	1699832	8.16%	0.643%
82	20.327	2944	2948	2952	rVB	1137078	1548274	7.43%	0.586%
83	20.727	3014	3016	3024	rVB	1092923	1803009	8.65%	0.682%
84	20.933	3048	3051	3054	rVB	1193330	1282087	6.15%	0.485%
85	20.992	3054	3061	3064	rBV3	2213480	4238060	20.33%	1.604%
86	21.197	3093	3096	3098	rBV2	756467	951931	4.57%	0.360%
87	21.239	3098	3103	3108	rVV2	11447482	20843786	100.00%	7.887%
88	21.286	3108	3111	3118	rVB	7871281	10493866	50.35%	3.971%
89	21.403	3128	3131	3135	rBV	1293704	2013655	9.66%	0.762%
90	21.797	3196	3198	3202	rVB	2041276	2418672	11.60%	0.915%
91	21.850	3204	3207	3210	rBV	1019837	1098890	5.27%	0.416%
92	21.992	3228	3231	3234	rBV	1136830	1363488	6.54%	0.516%
93	22.809	3364	3370	3374	rBV	7290806	15857696	76.08%	6.000%
94	22.974	3394	3398	3404	rVB	2079037	3218245	15.44%	1.218%
95	23.280	3445	3450	3454	rBV	3899155	6930243	33.25%	2.622%
96	23.327	3454	3458	3461	rVV	2453680	4196569	20.13%	1.588%
97	23.374	3461	3466	3471	rVB	7086646	11791560	56.57%	4.462%
98	23.462	3477	3481	3486	rBV	2485214	4169774	20.00%	1.578%
99	25.697	3853	3861	3875	rVB2	4027255	12065202	57.88%	4.565%
100	26.374	3969	3976	3987	rVB	2730137	8067105	38.70%	3.052%

Sum of corrected areas: 264291451

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
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Acq On : 17 Oct 2019 12:14
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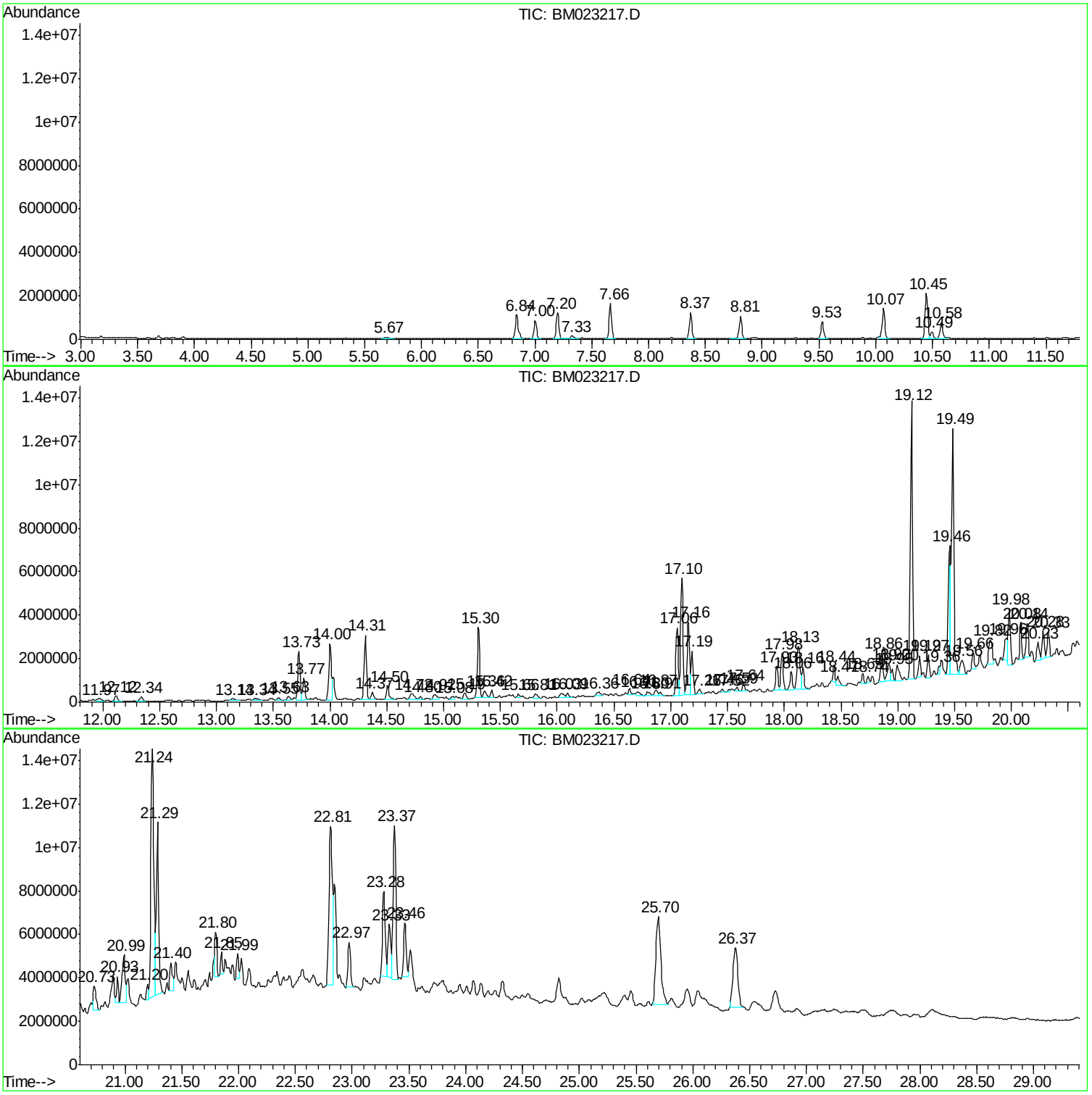
Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

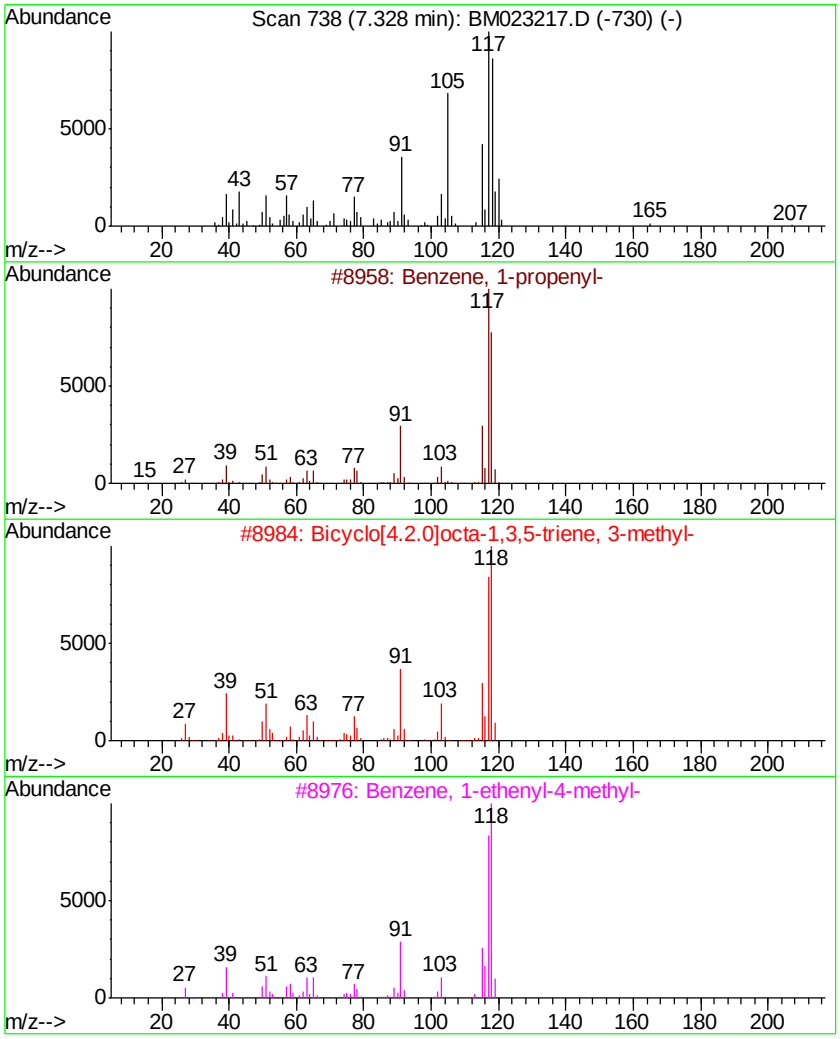
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

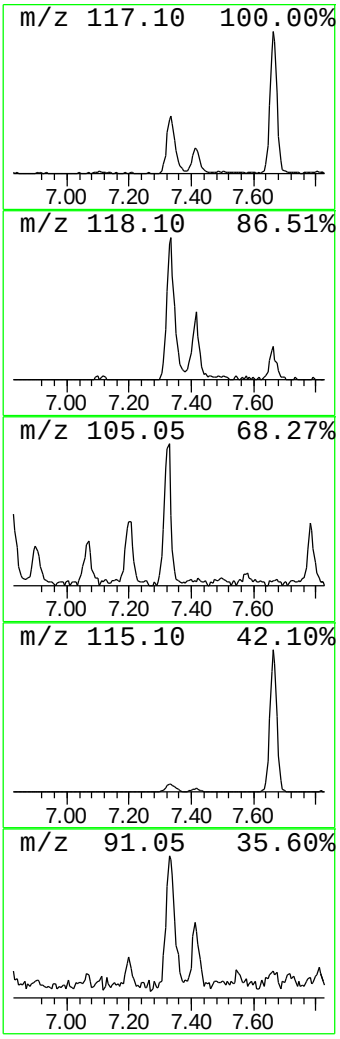
****

Peak Number 1 Benzene, 1-propenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	2.32 ng/ul	296306	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	86
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023217.D
Acq On : 17 Oct 2019 12:14
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Sample : K5262-20
Misc :
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Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

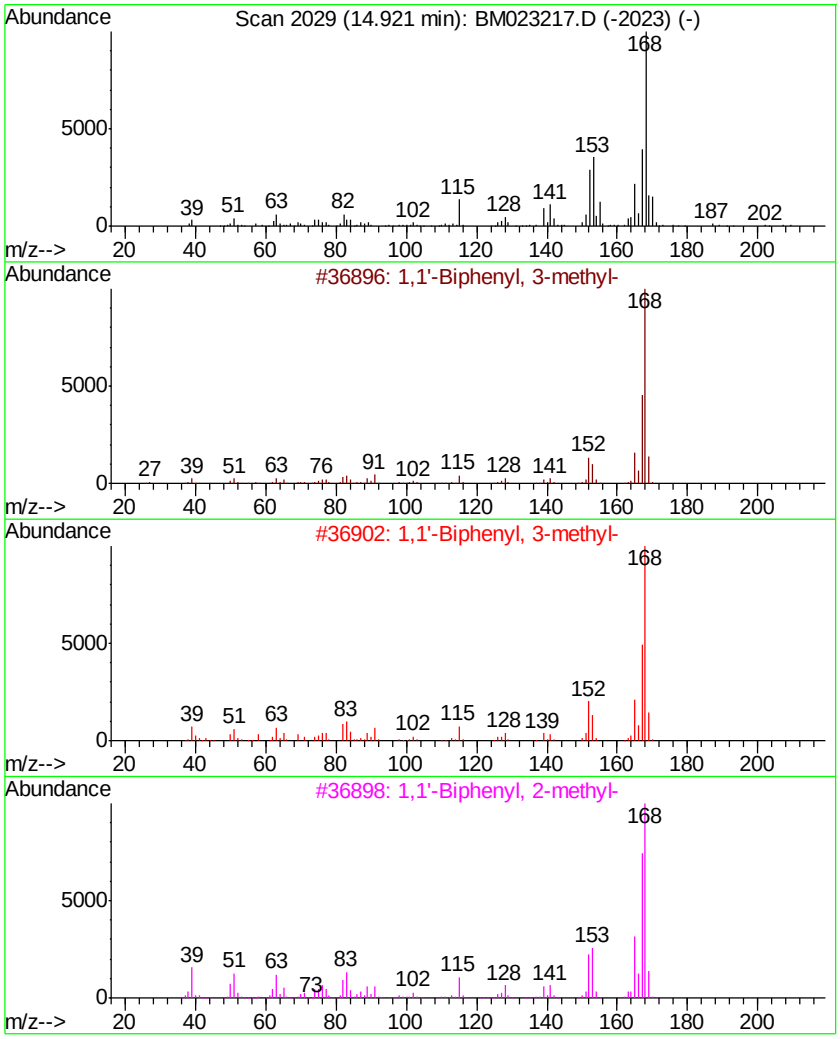
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

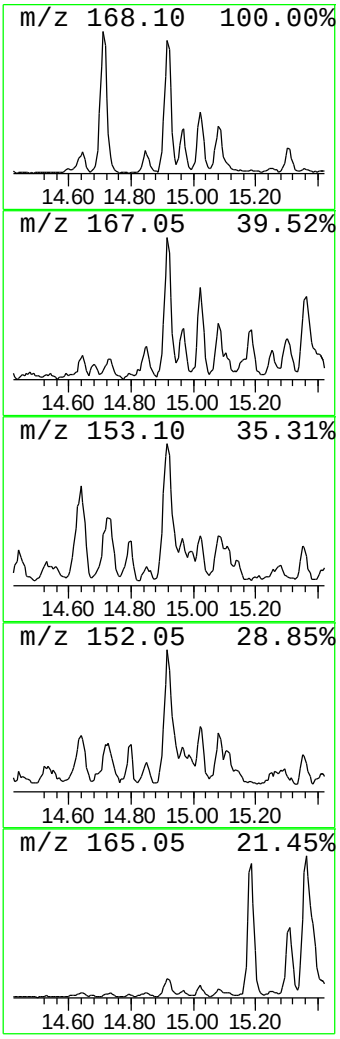
****

Peak Number 2 1,1'-Biphenyl, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	2.50 ng/ul	541523	Acenaphthene-d10	14.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	72
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	62
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58





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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

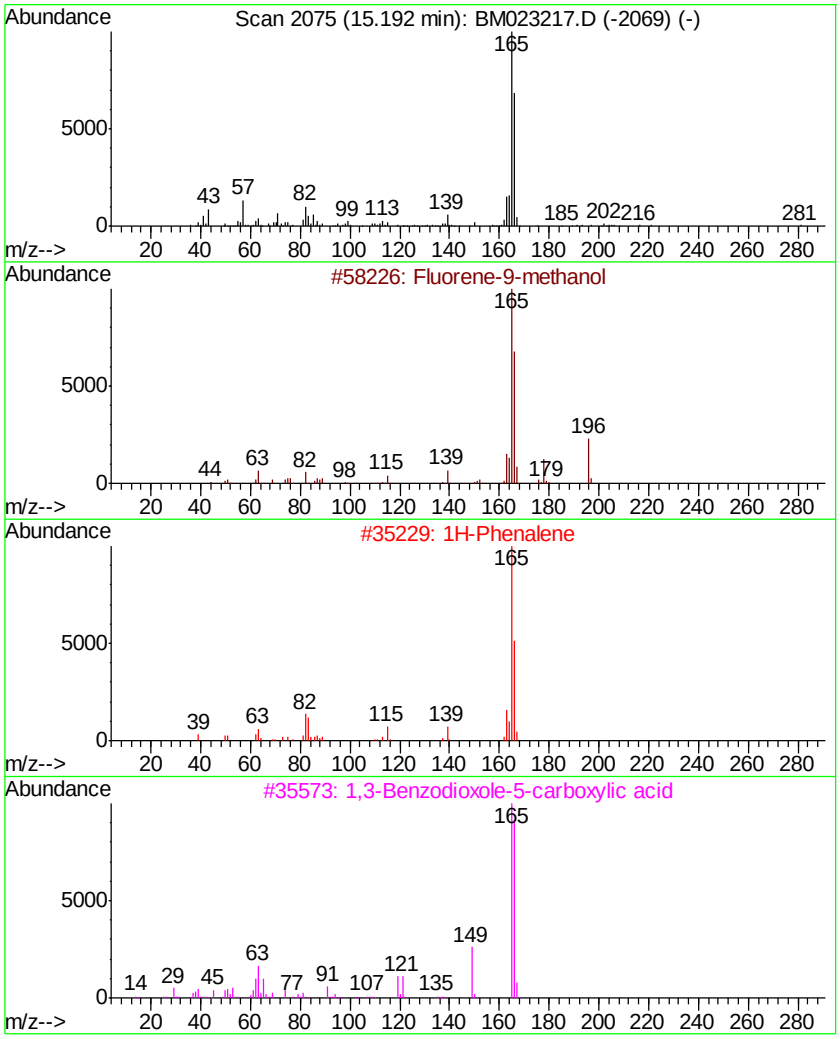
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

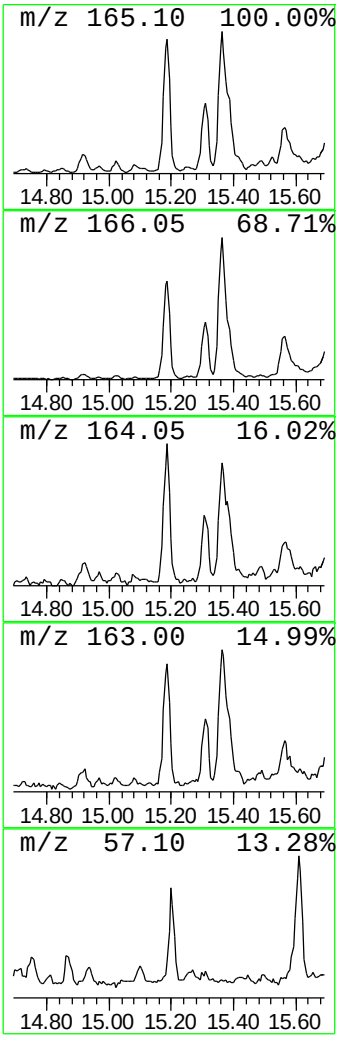
****

Peak Number 3 Fluorene-9-methanol Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.12 ng/ul	458953	Acenaphthene-d10	14.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene-9-methanol	196	C14H12O	024324-17-2	78
2	1H-Phenalene	166	C13H10	000203-80-5	78
3	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	64
4	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	59
5	Fluorene	166	C13H10	000086-73-7	58





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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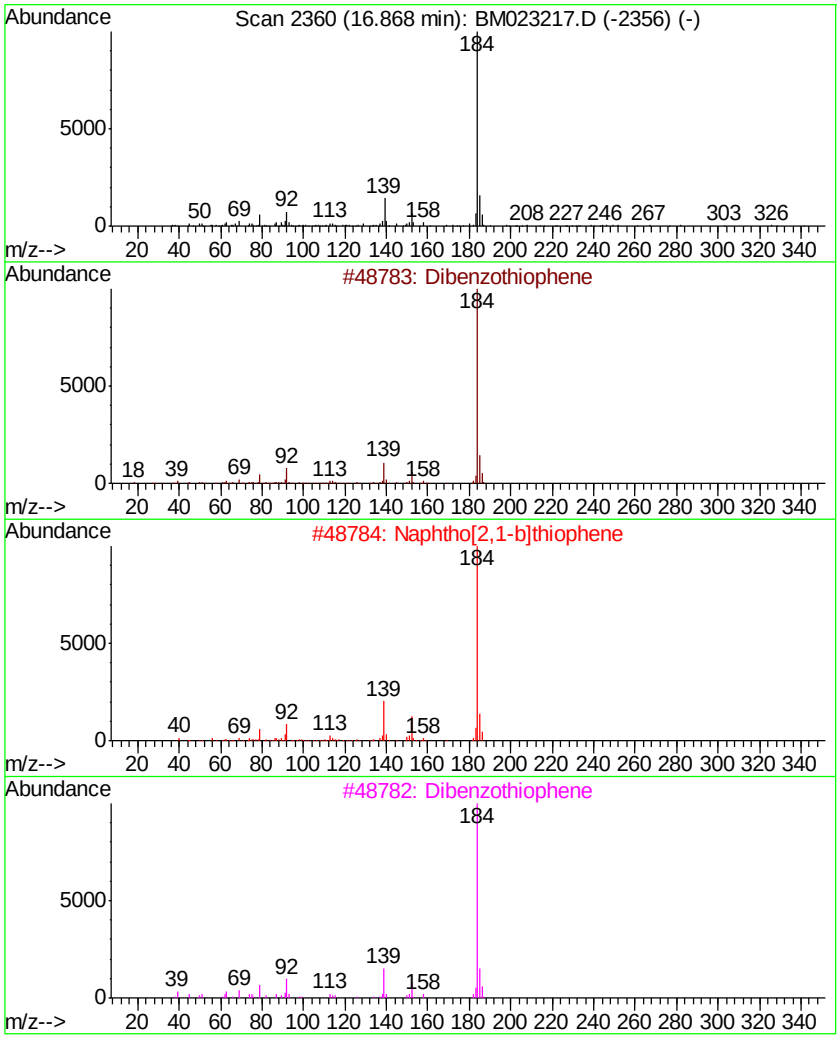
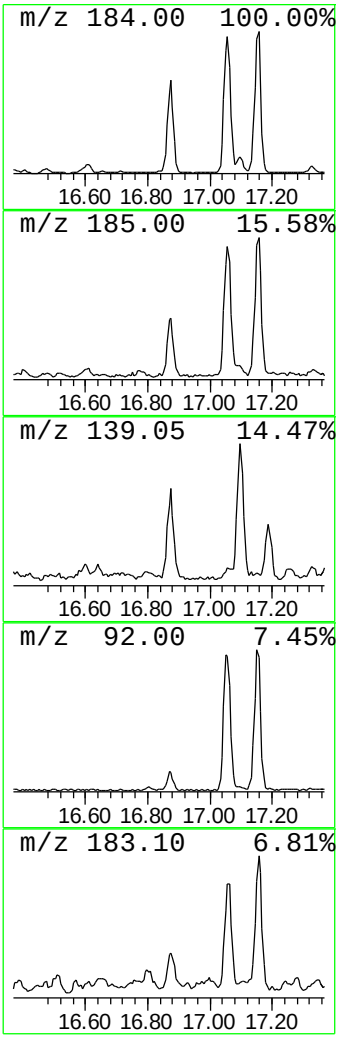
Peak Number 4 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	2.15 ng/ul	489541	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023217.D
Acq On : 17 Oct 2019 12:14
Operator : JU
Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

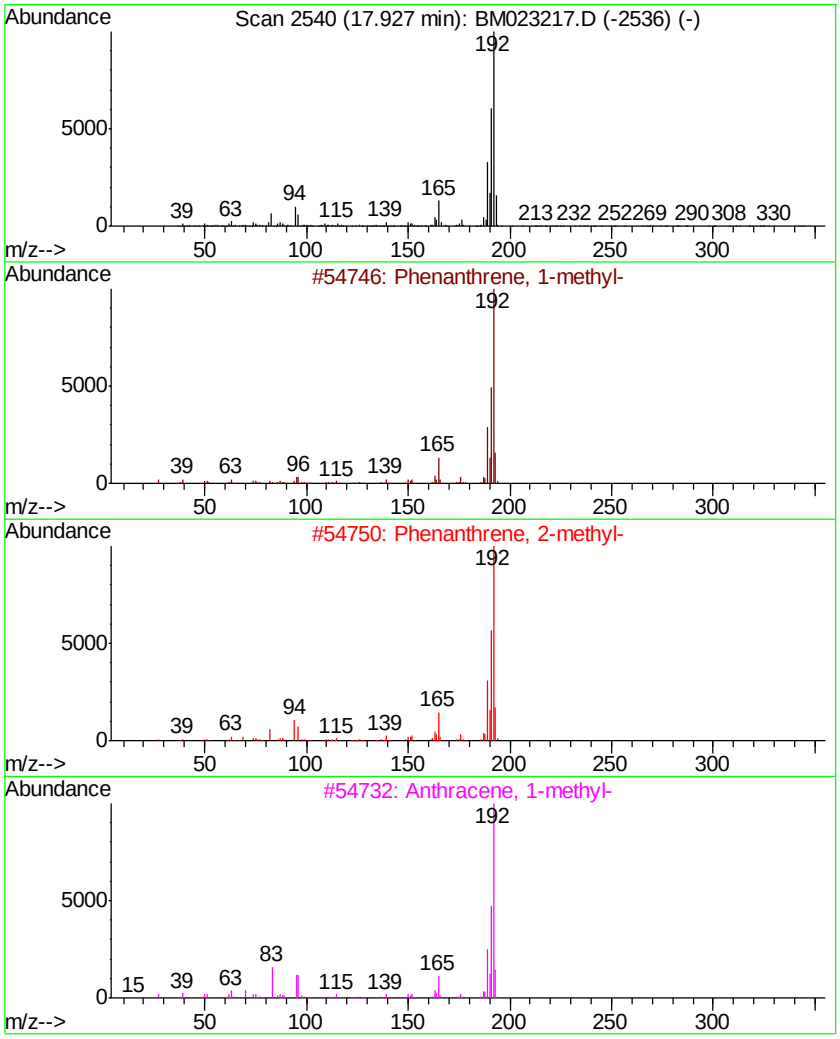
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

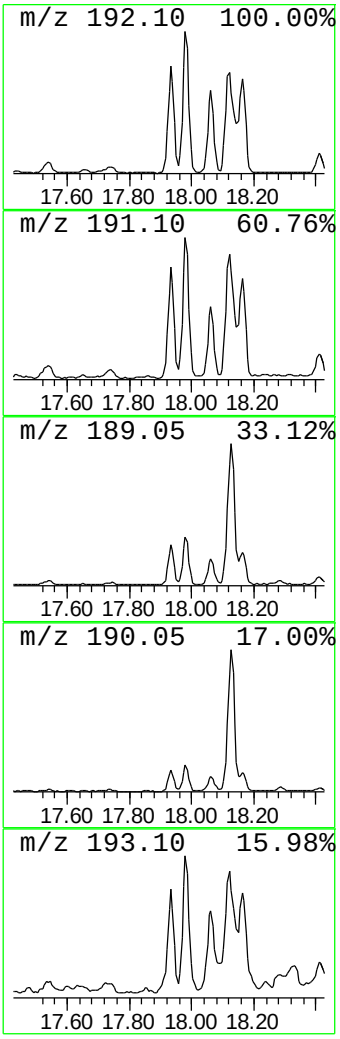
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	6.95 ng/ul	1578780	Phenanthrene-d10	17.06

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	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90





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Acq On : 17 Oct 2019 12:14
Operator : JU
Sample : K5262-20
Misc :
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Instrument : BNA_M
ClientSampleId : BFB81

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Quant Title : SVOA CALIBRATION

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

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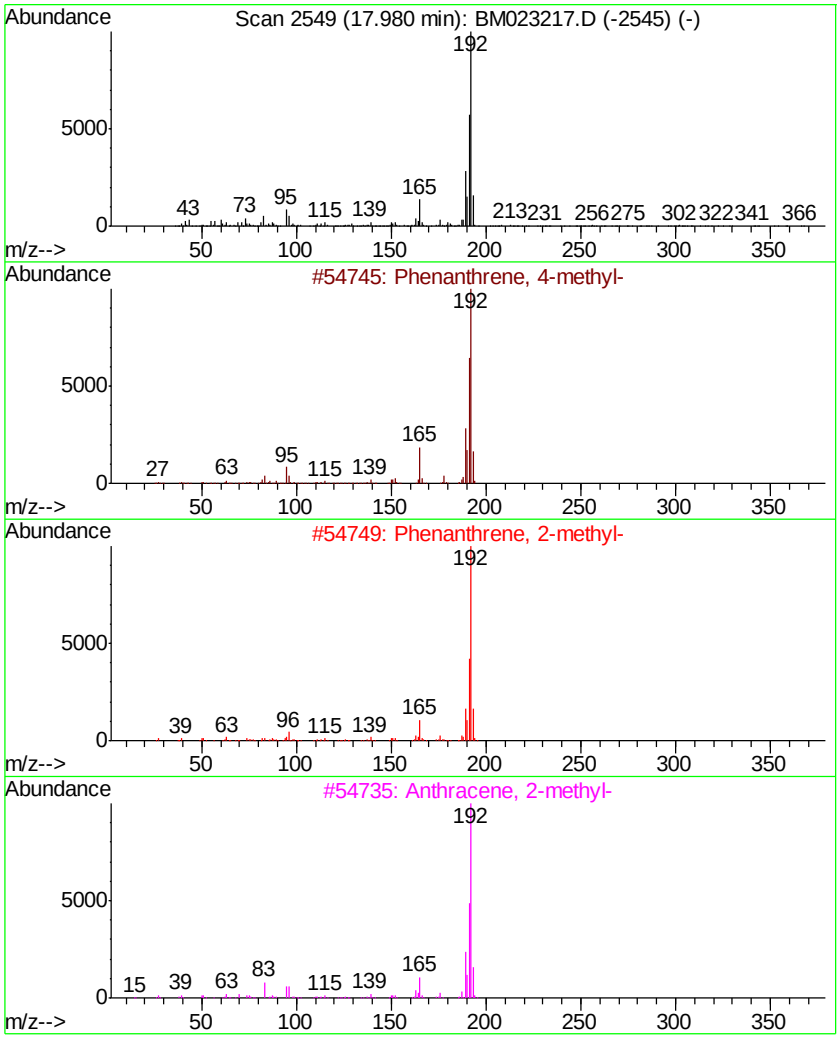
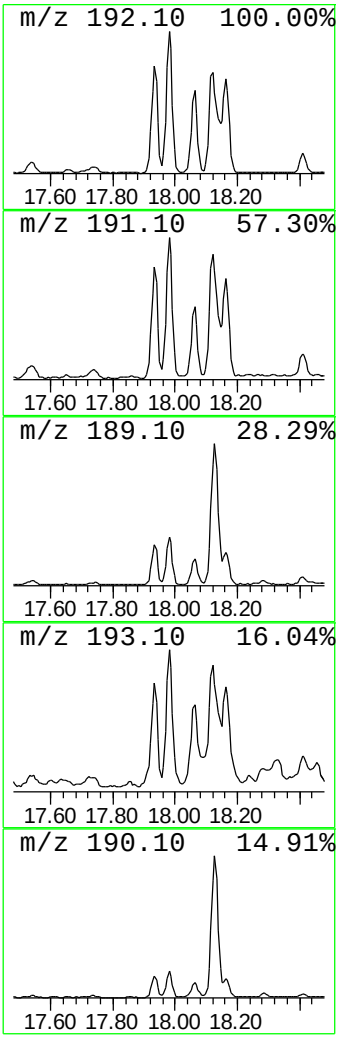
Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	10.42 ng/ul	2367410	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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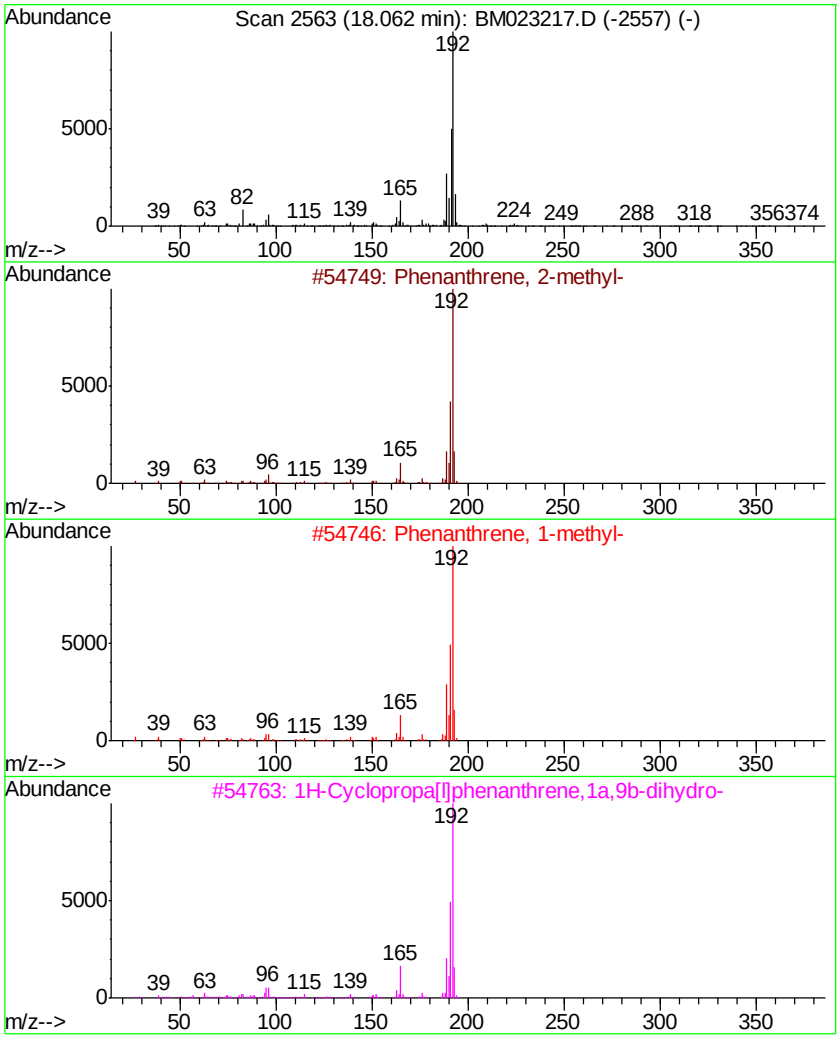
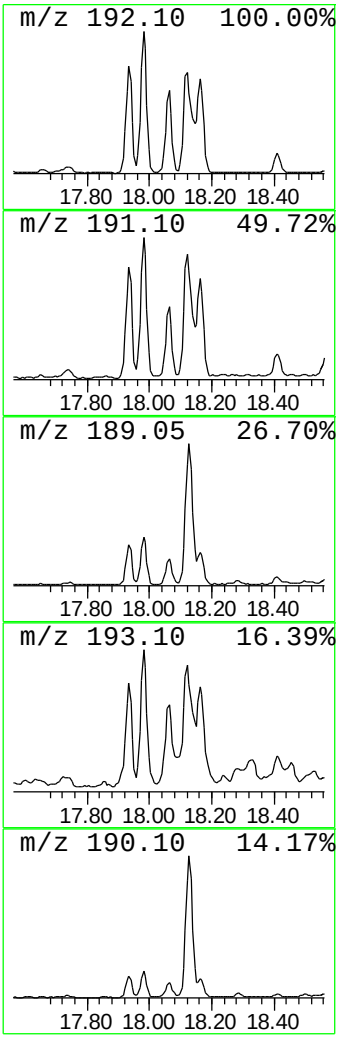
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.63 ng/ul	1278460	Phenanthrene-d10	17.06

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	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Instrument : BNA_M
ClientSampleId : BFB81

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Quant Title : SVOA CALIBRATION

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

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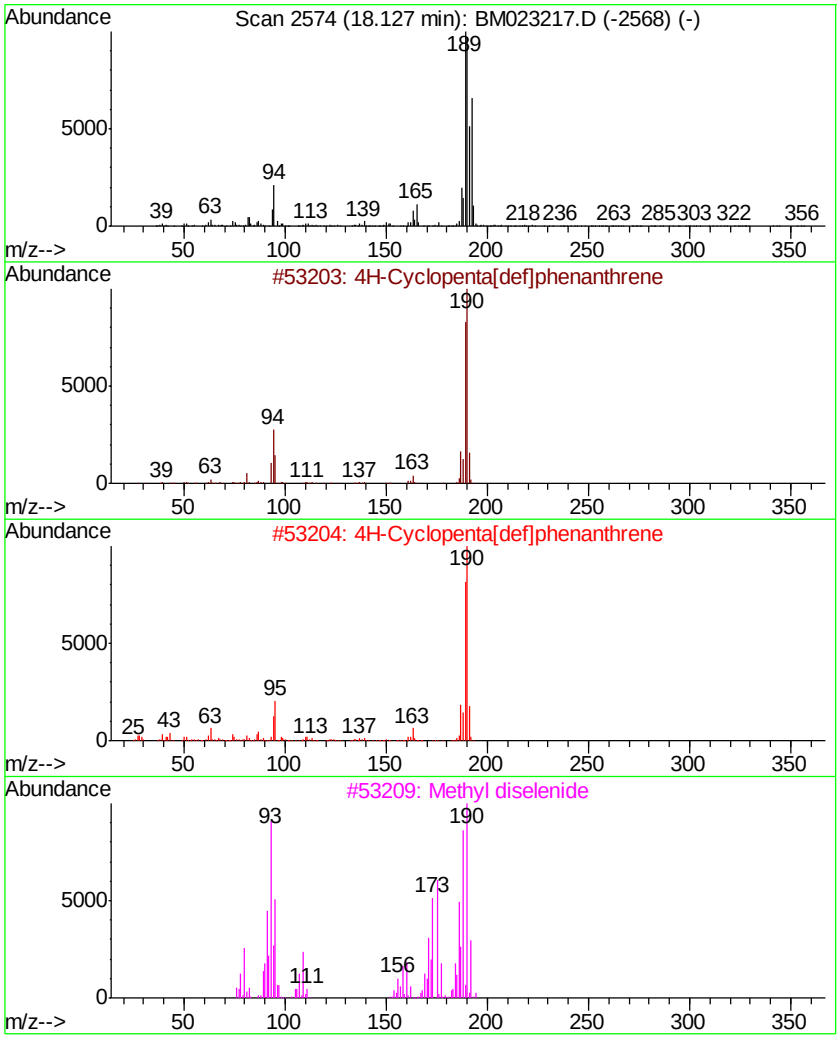
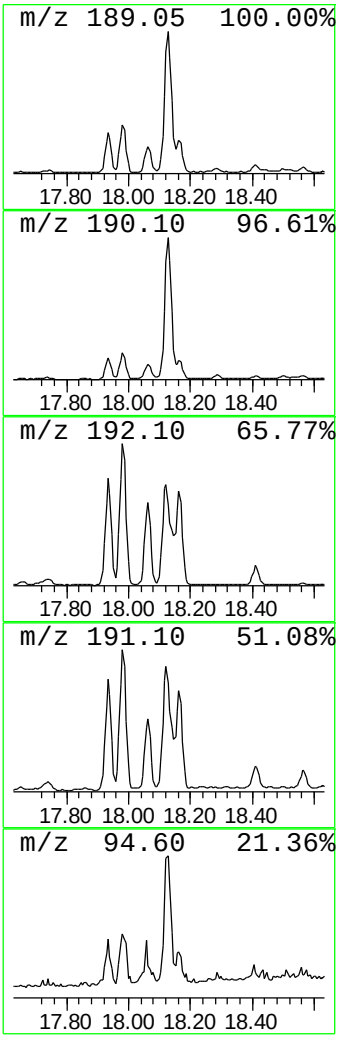
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	17.09 ng/ul	3881480	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Instrument : BNA_M
ClientSampleId : BFB81

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Quant Title : SVOA CALIBRATION

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

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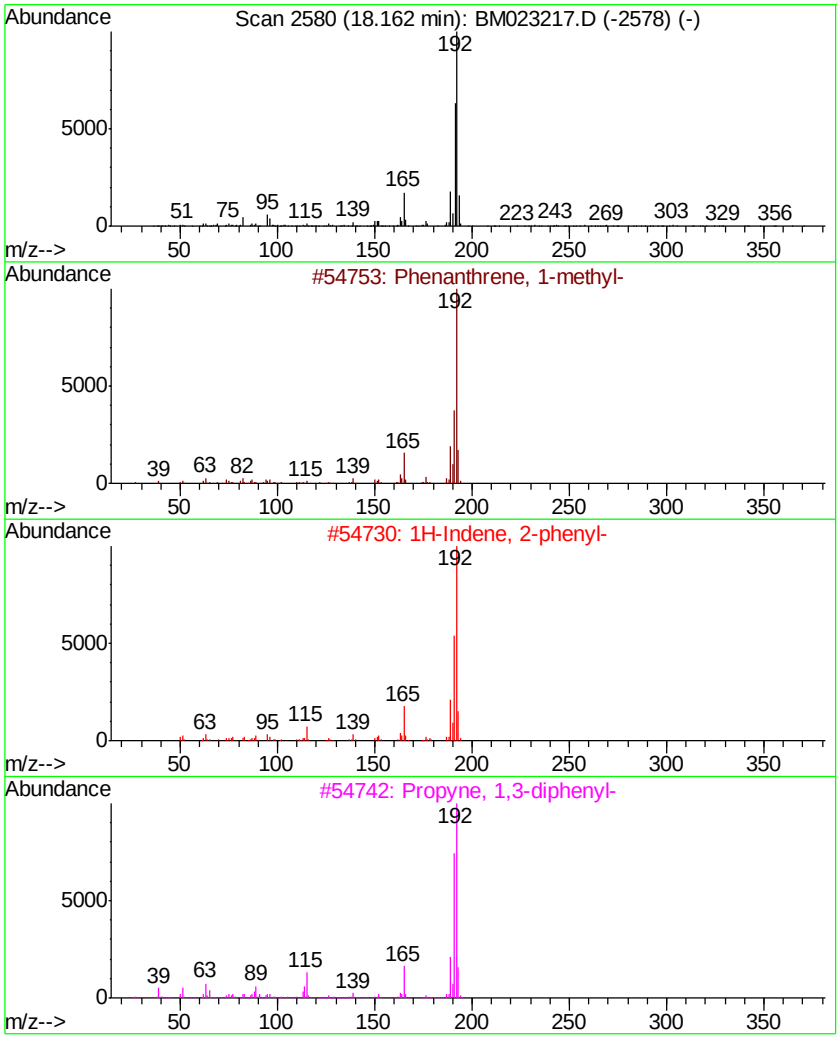
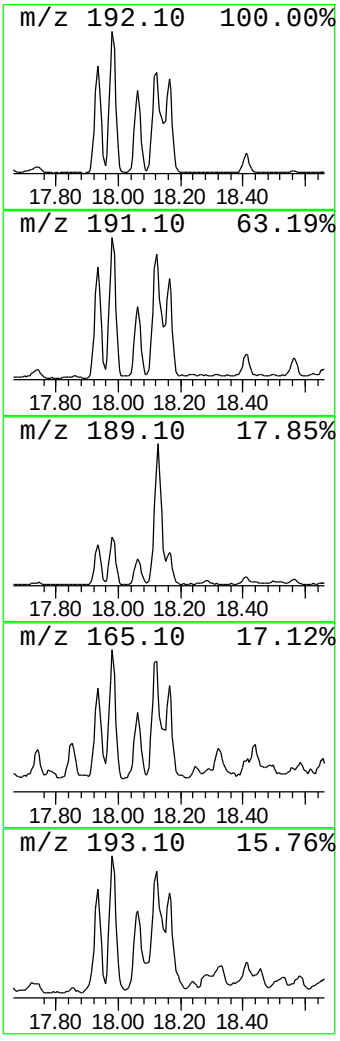
Peak Number 9 1H-Indene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	5.75 ng/ul	1305280	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Quant Title : SVOA CALIBRATION

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

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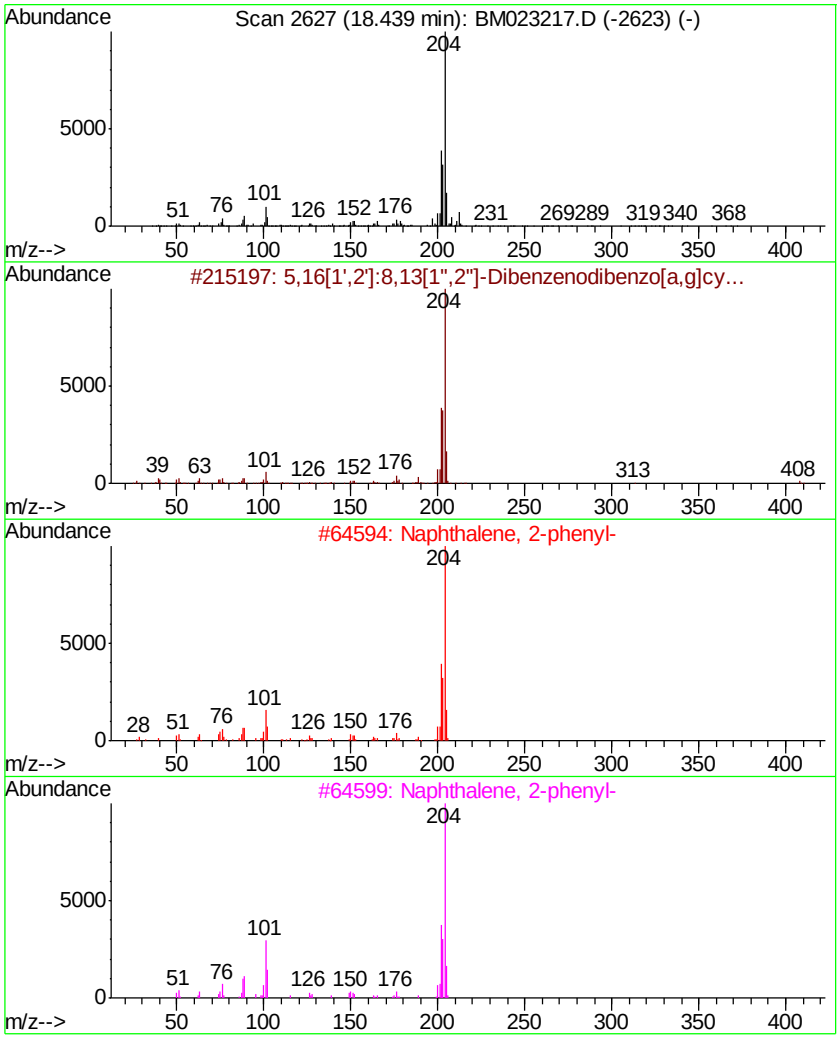
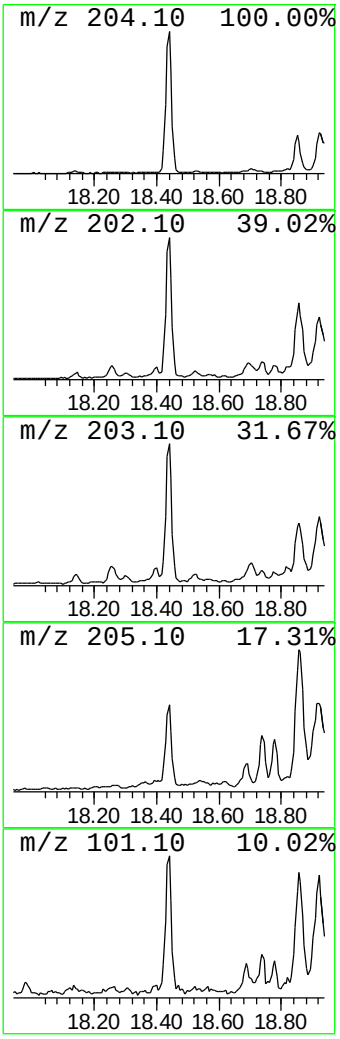
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	4.09 ng/ul	929291	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Instrument : BNA_M
ClientSampleId : BFB81

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Quant Title : SVOA CALIBRATION

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

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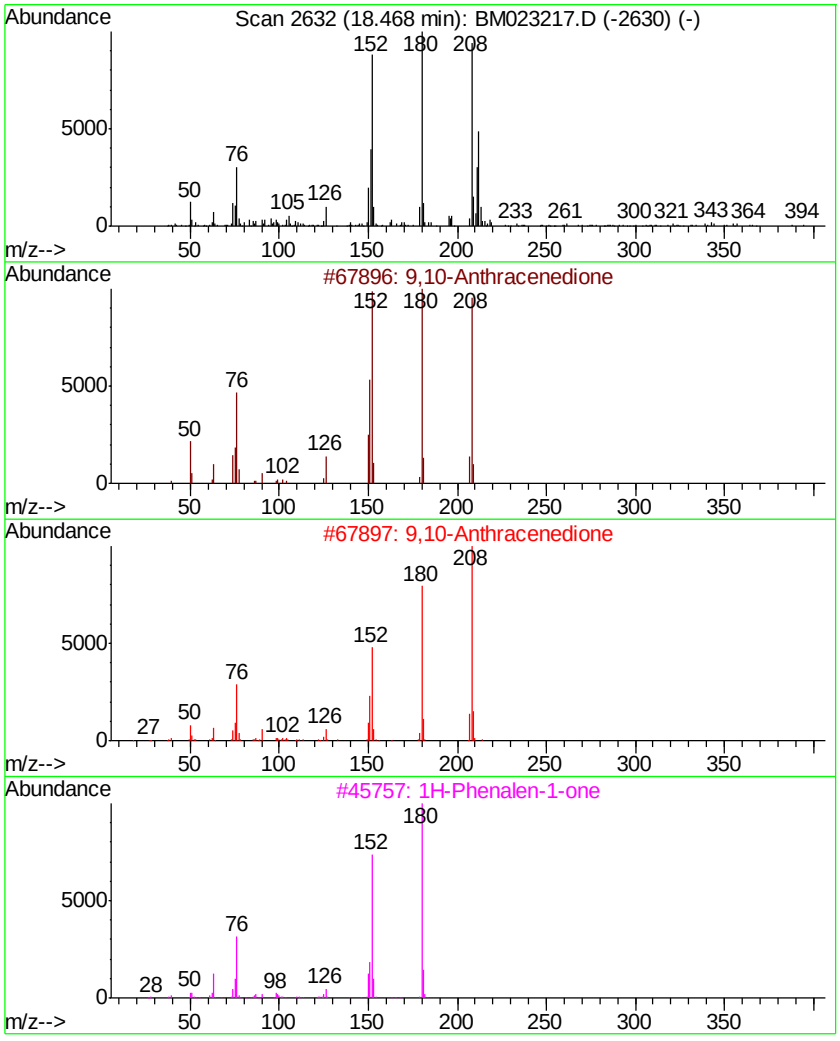
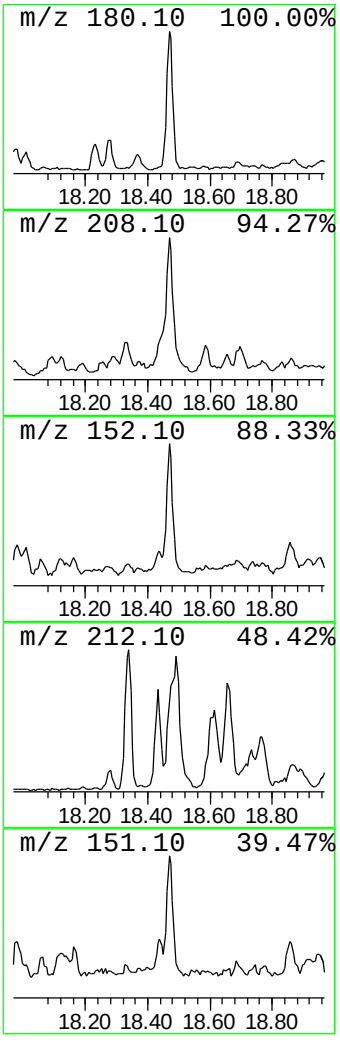
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.01 ng/ul	684233	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

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Quant Title : SVOA CALIBRATION

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

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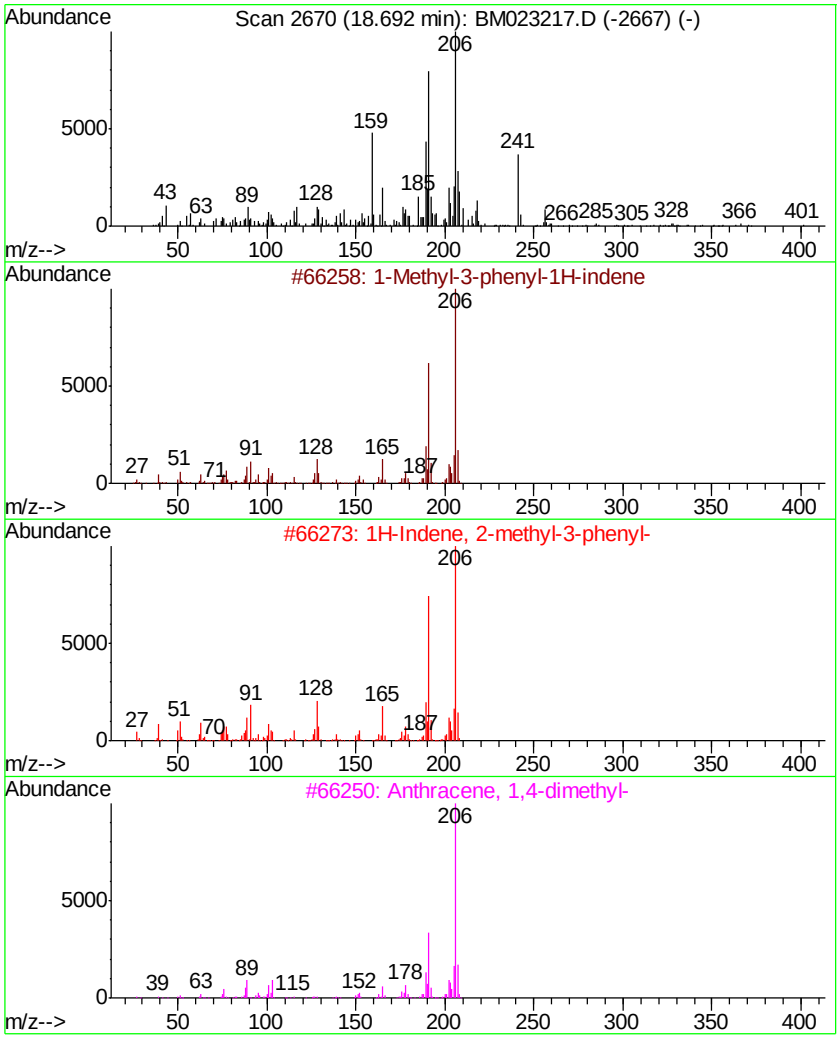
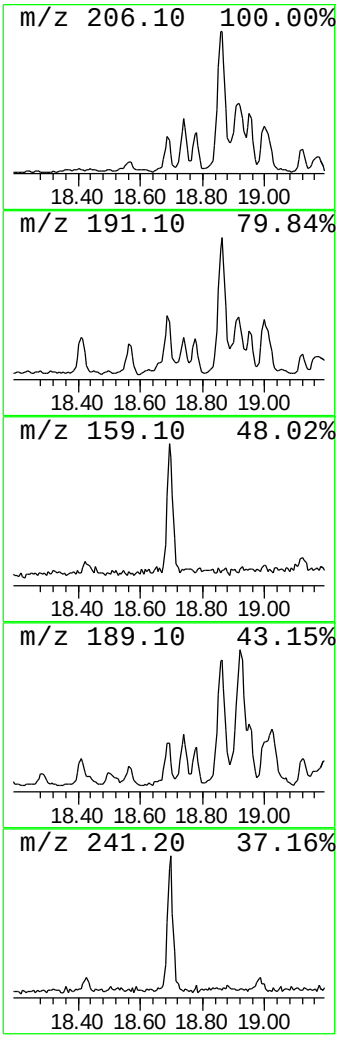
Peak Number 12 1-Methyl-3-phenyl-1H-indene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.54 ng/ul	577262	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	78
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	78
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	78
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	70
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64





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Quant Title : SVOA CALIBRATION

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

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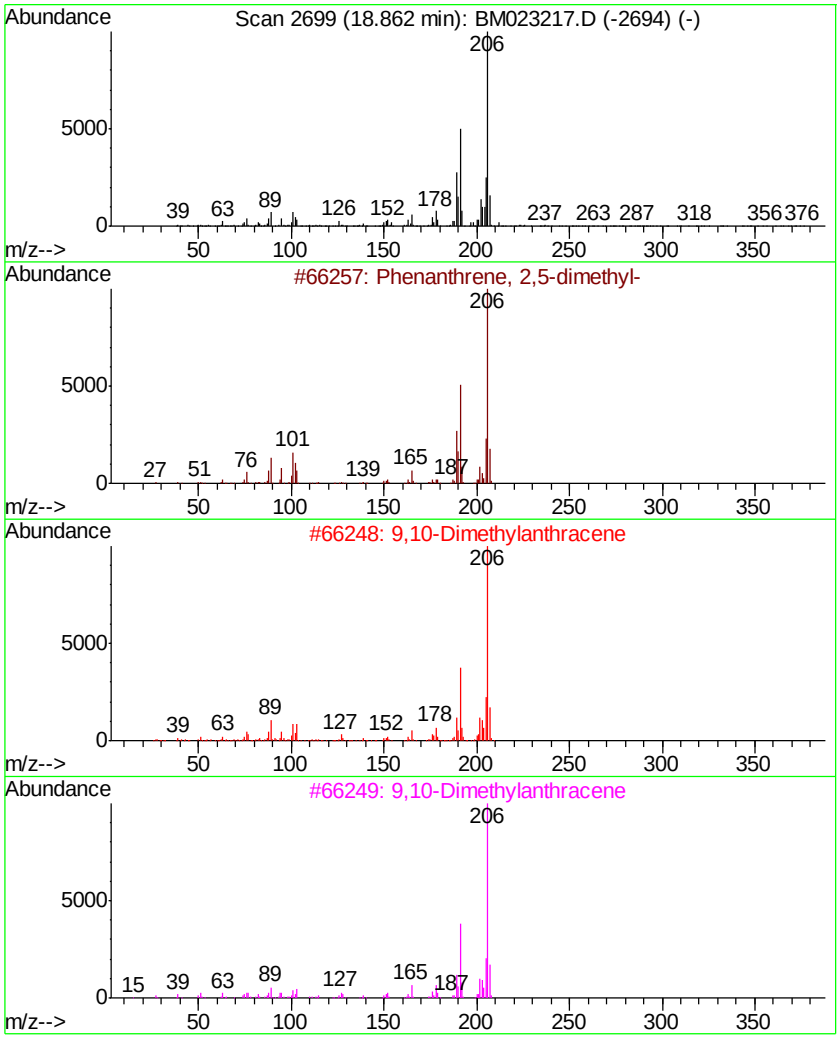
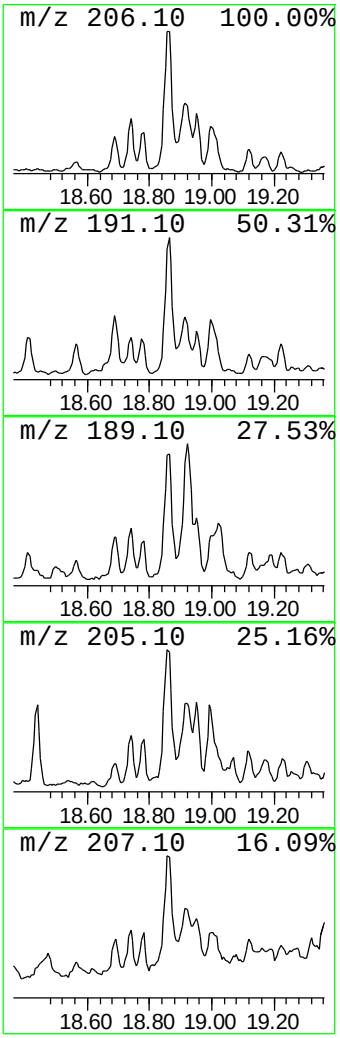
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	9.30 ng/ul	2112730	Phenanthrene-d10	17.06

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	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Quant Title : SVOA CALIBRATION

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

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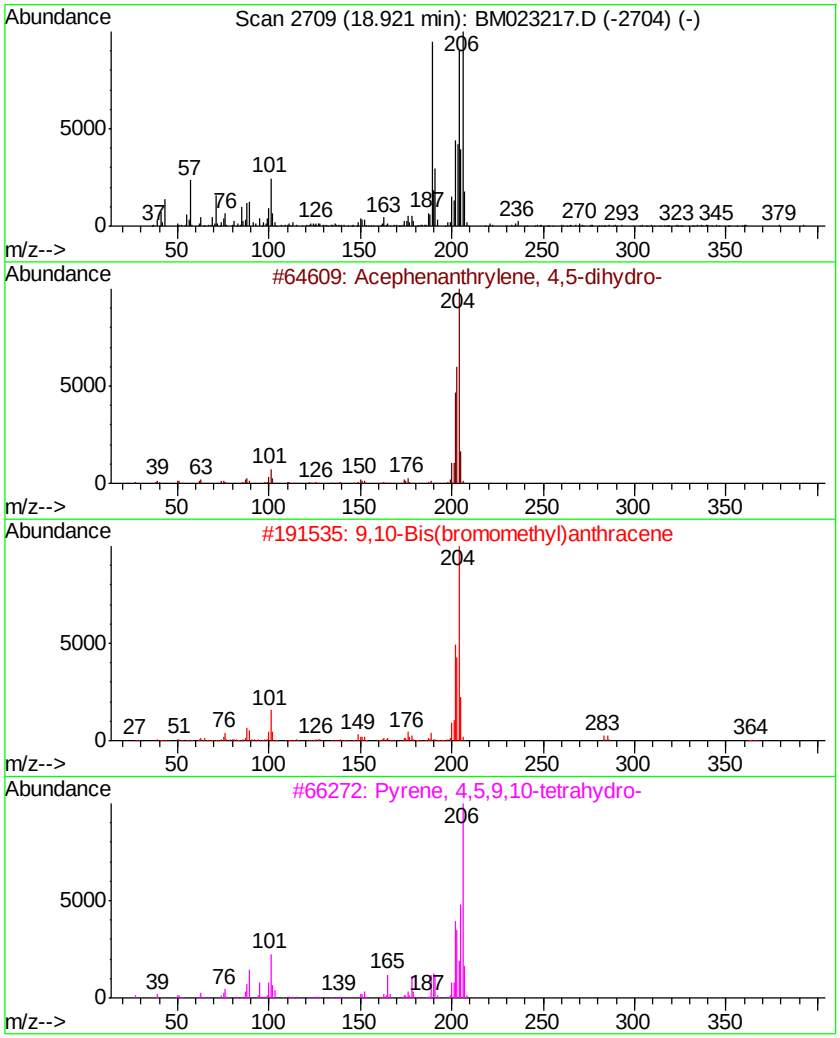
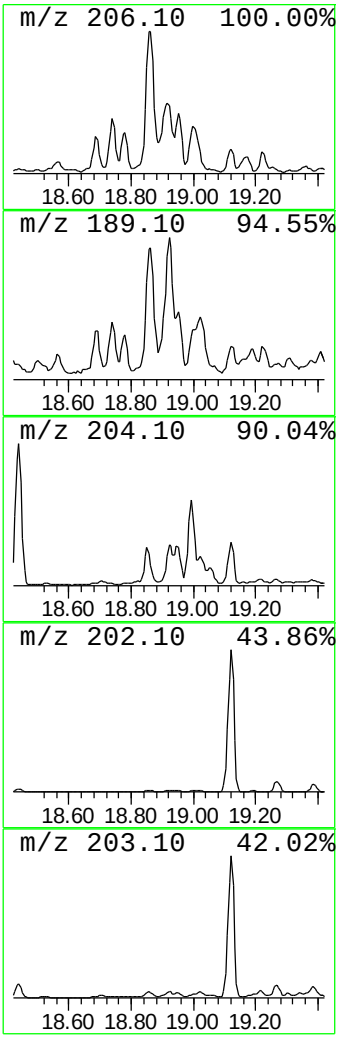
Peak Number 14 Acephenanthrylene, 4,5-dihy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	6.19 ng/ul	1406640	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	72
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35





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TIC Library : C:\DATABASE\NIST11.L
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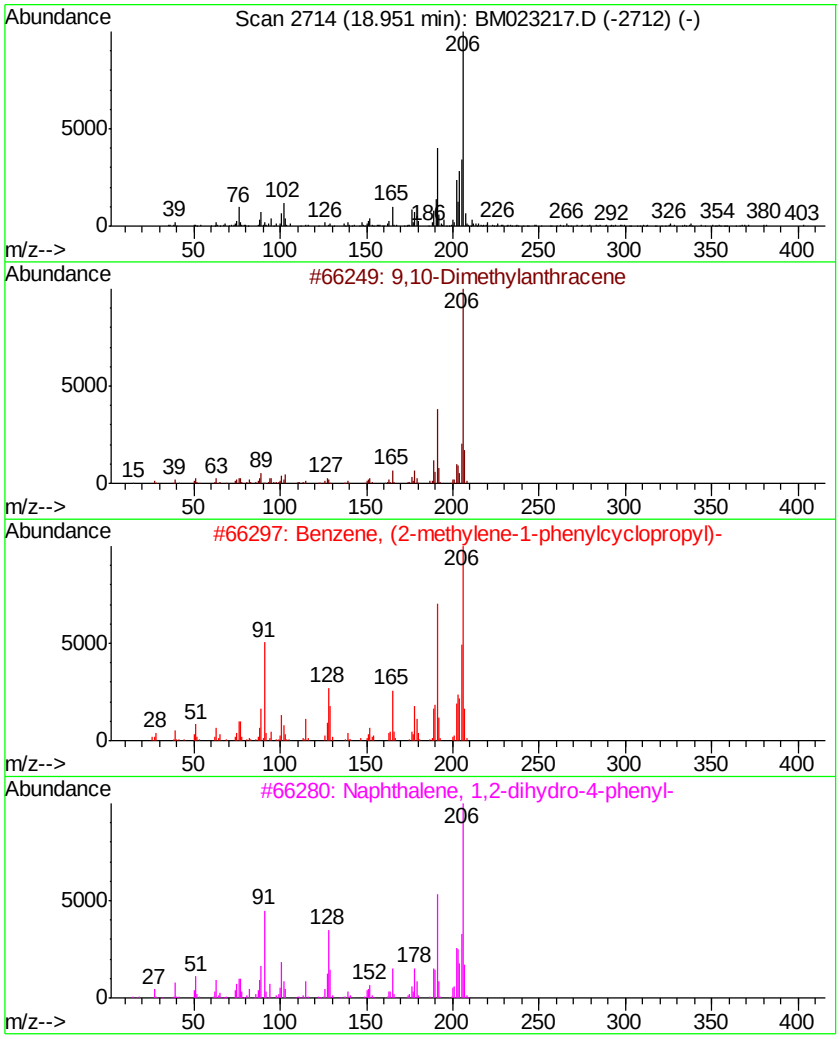
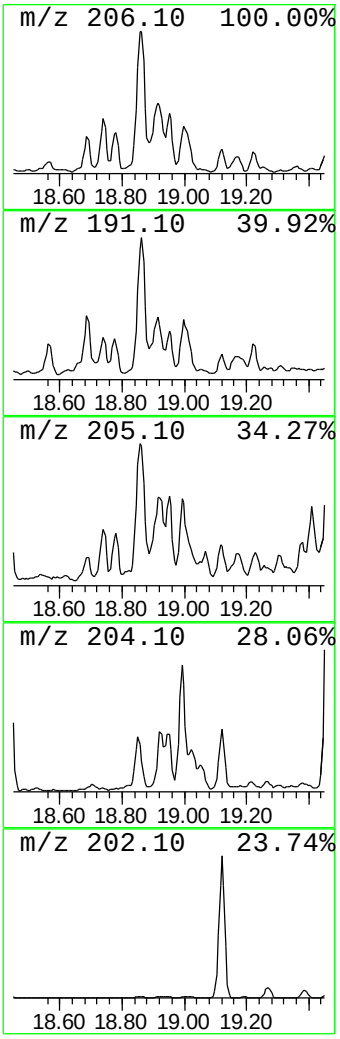
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	2.57 ng/ul	584490	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	86
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76





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Quant Title : SVOA CALIBRATION

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

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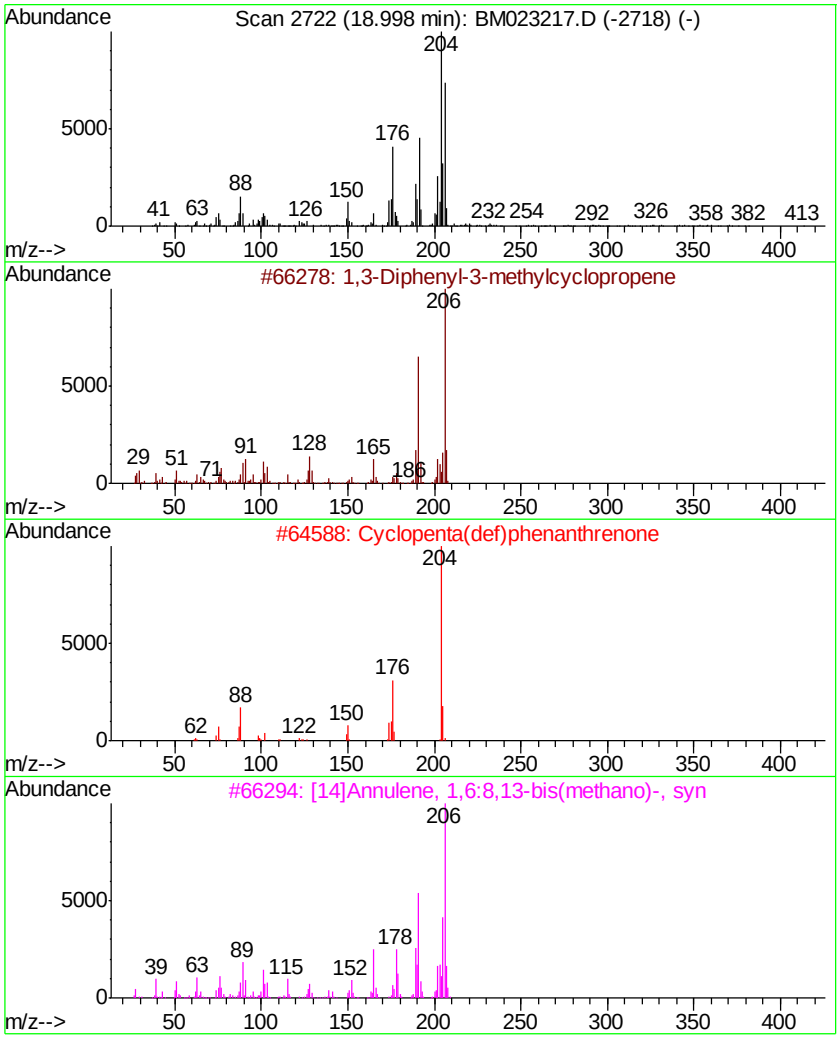
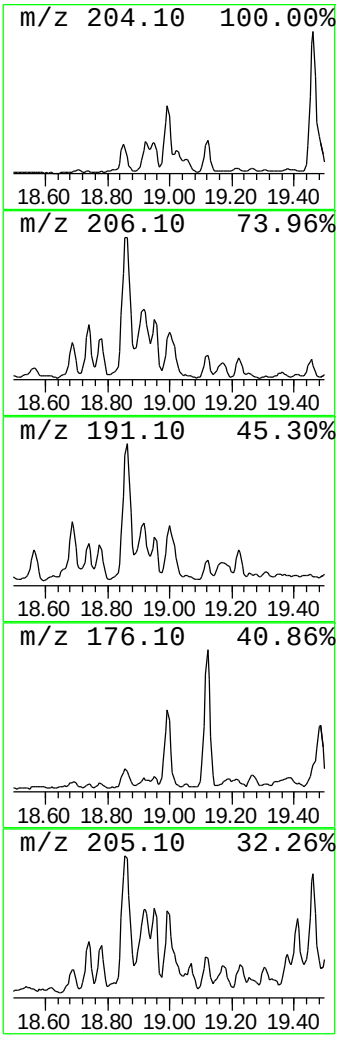
Peak Number 16 1,3-Diphenyl-3-methylcyclop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	6.25 ng/ul	1419460	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	49
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	46
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46





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Quant Title : SVOA CALIBRATION

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

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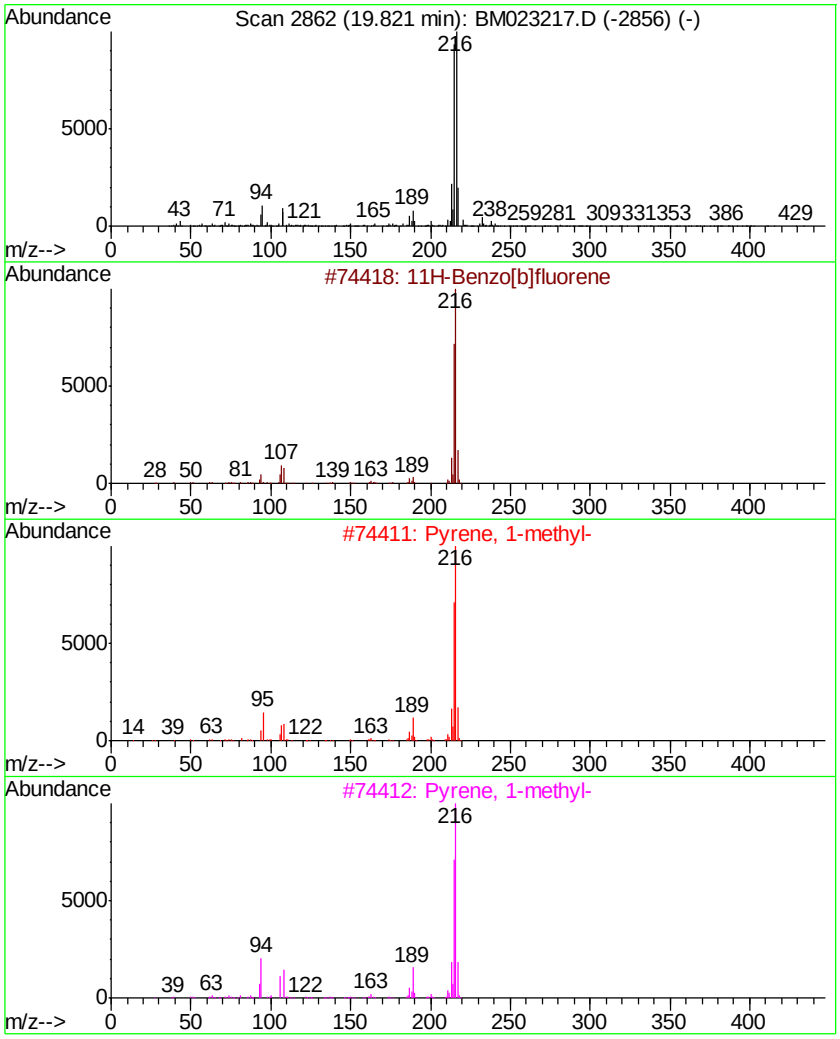
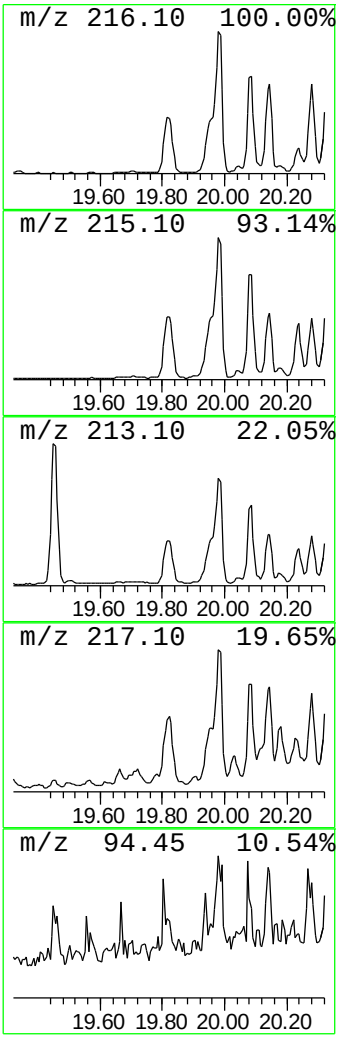
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.24 ng/ul	2332430	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Library Search Compound Report

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Data File : BM023217.D
Acq On : 17 Oct 2019 12:14
Operator : JU
Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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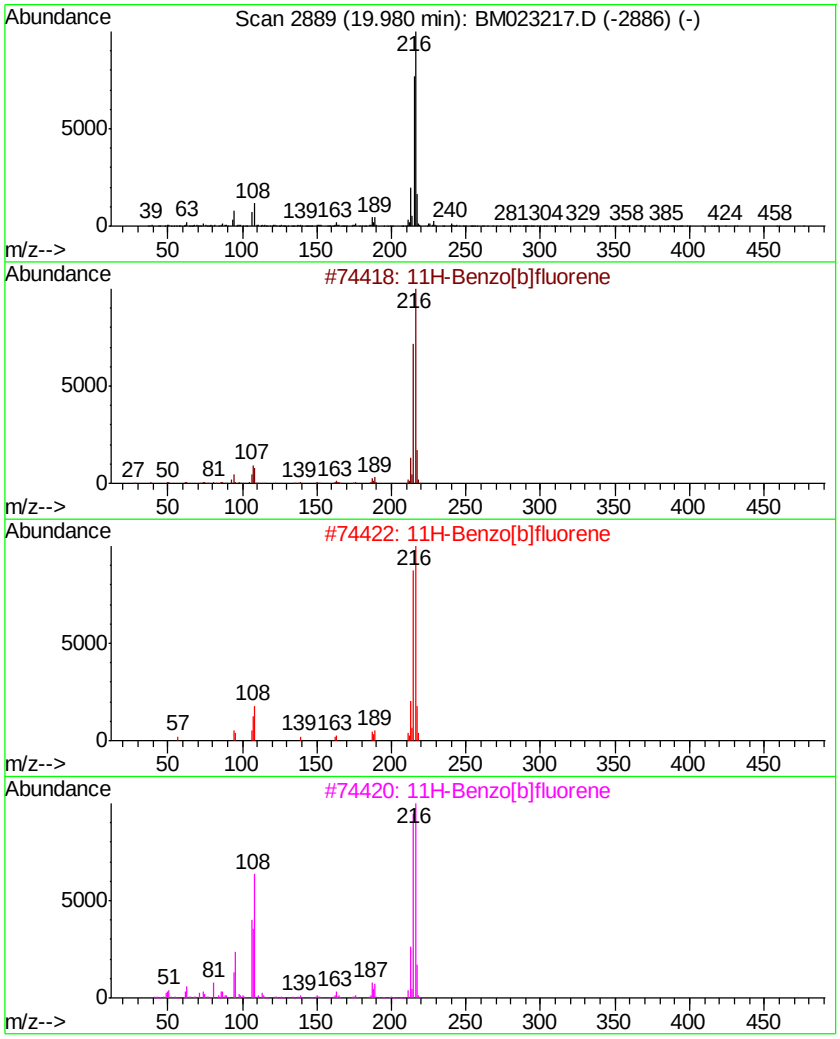
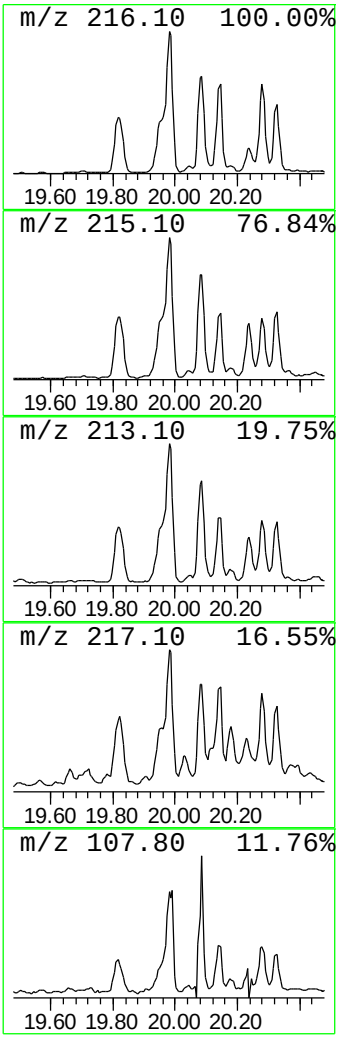
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	3.59 ng/ul	3742610	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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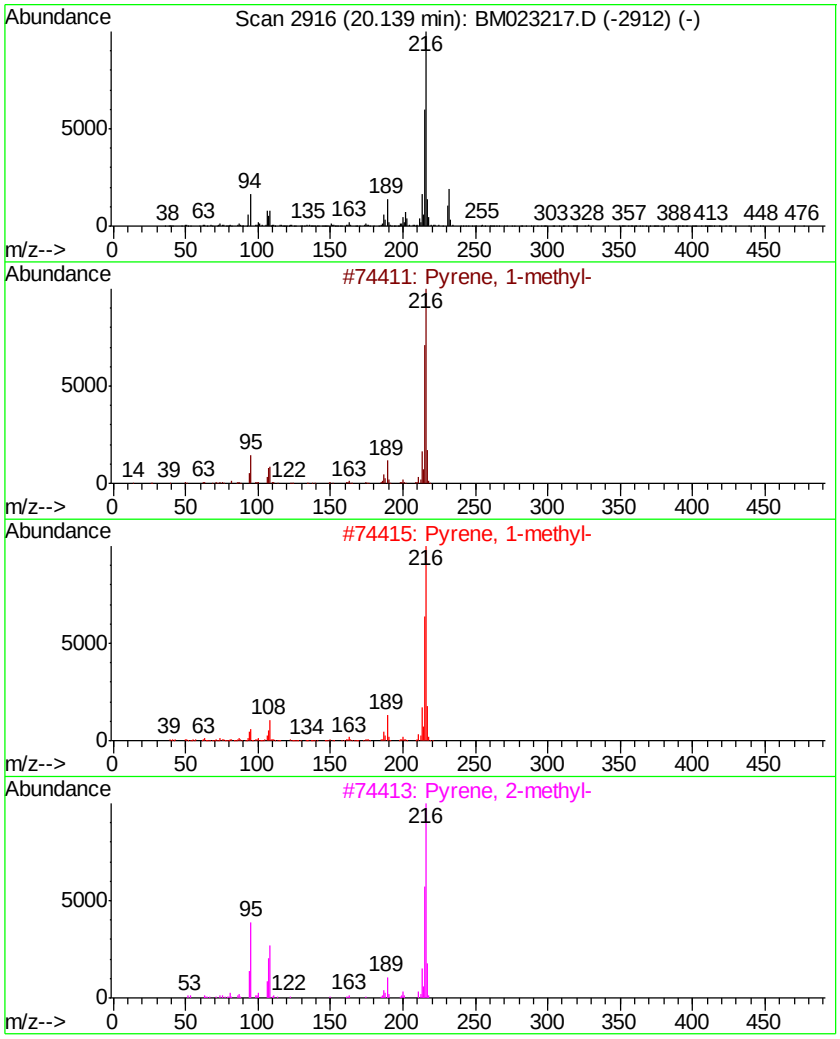
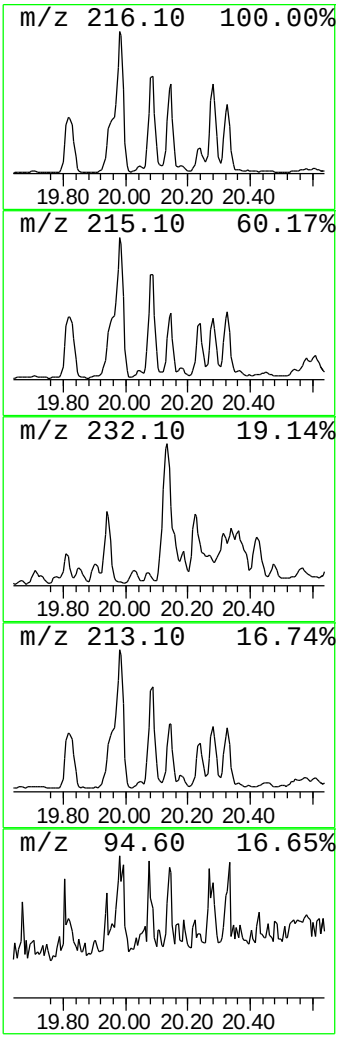
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.03 ng/ul	2116710	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





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Acq On : 17 Oct 2019 12:14
Operator : JU
Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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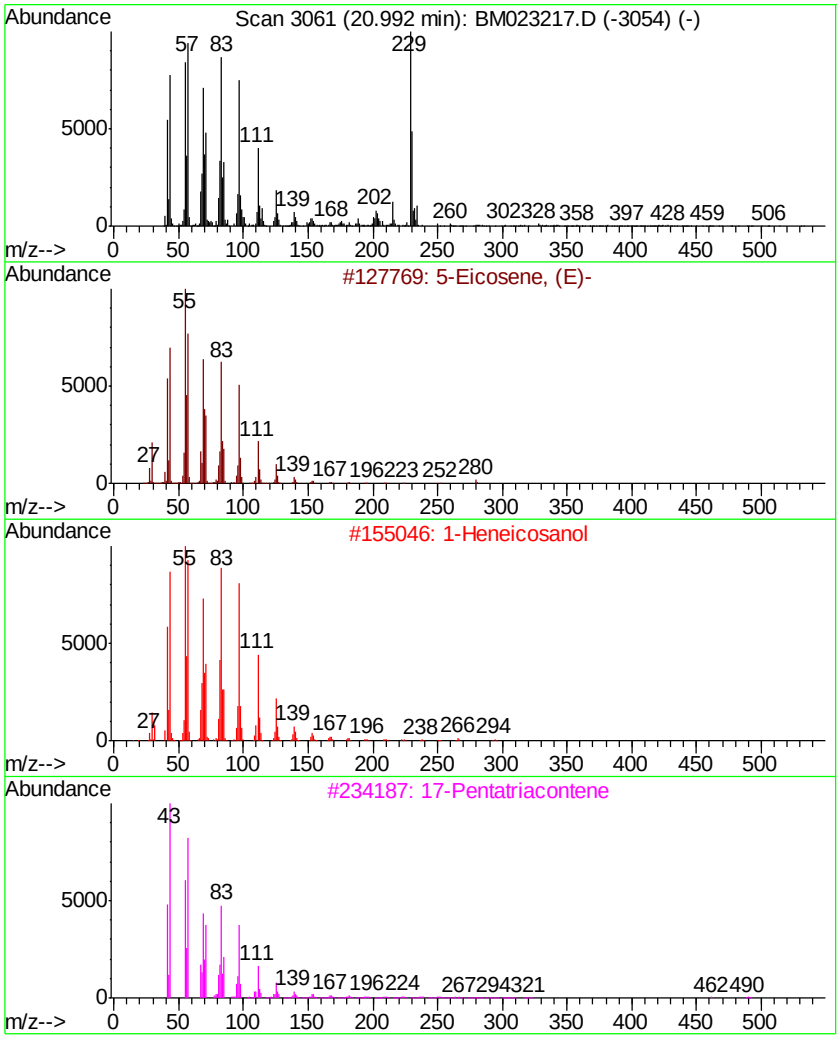
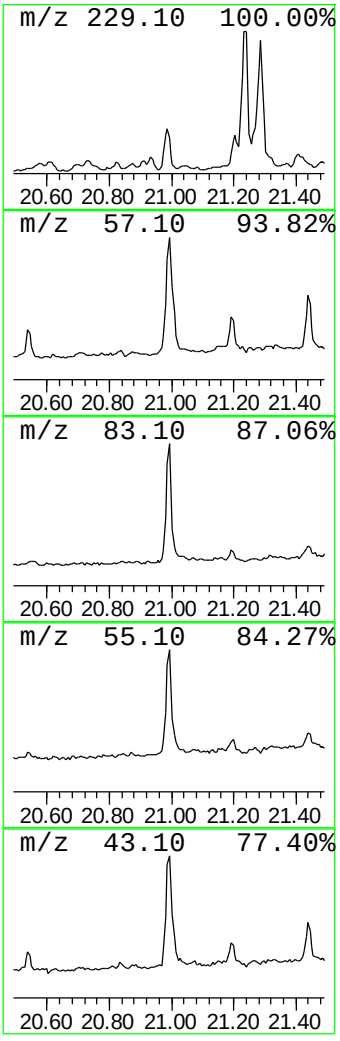
Peak Number 20 (DEL) Alkane: Cyclic20.99 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	4.07 ng/ul	4238060	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Heneicosanol	312	C21H44O	015594-90-8	90
3	17-Pentatriacontene	491	C35H70	006971-40-0	86
4	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	81
5	1-Heptacosanol	396	C27H56O	002004-39-9	78





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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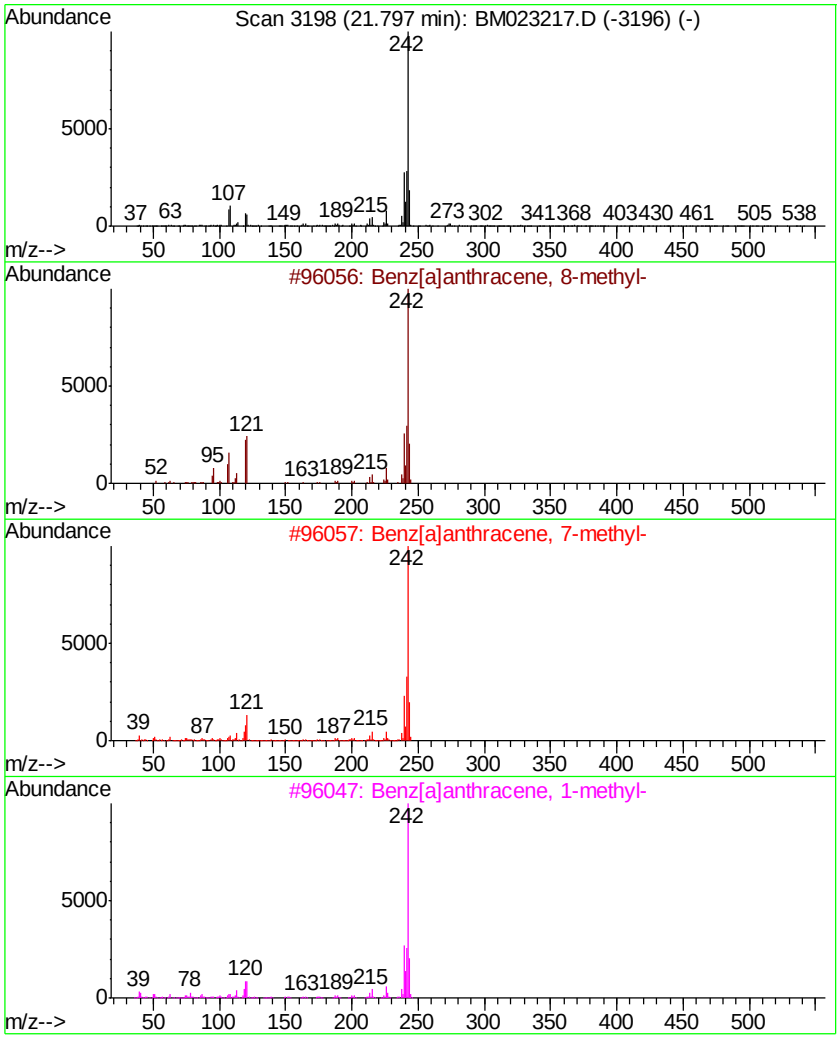
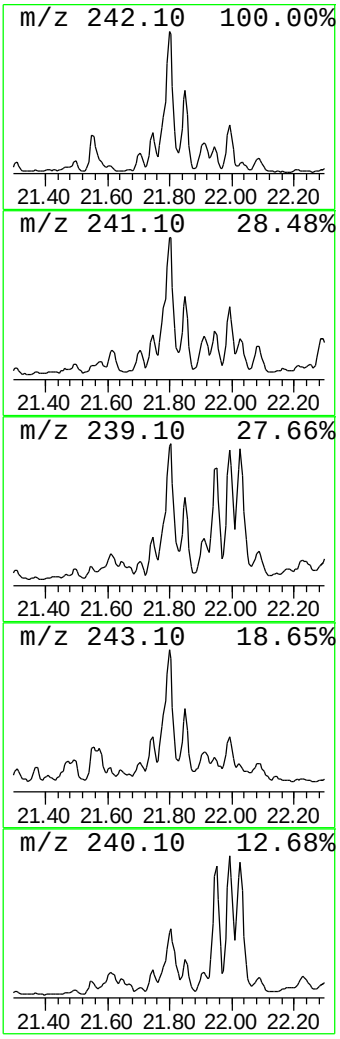
Peak Number 21 Benz[a]anthracene, 8-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	2.32 ng/ul	2418670	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	83





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Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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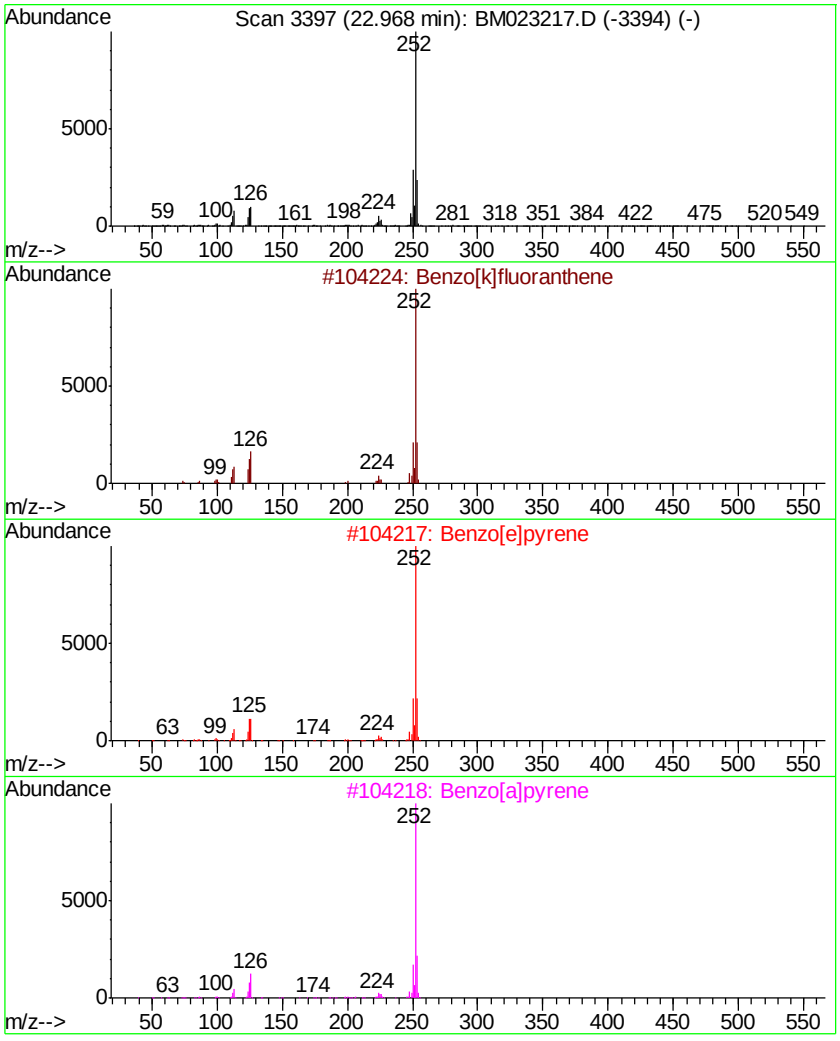
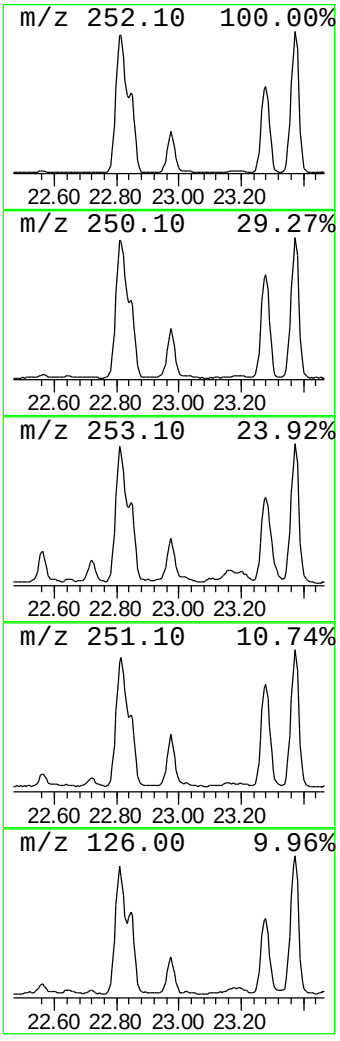
Peak Number 22 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	15.44 ng/ul	3218250	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

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Data File : BM023217.D
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Sample : K5262-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB81

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-propenyl-	7.33	2.3	ng/ul	296306	1	7.66	2557440	20.0
1,1'-Biphenyl, 3-...	14.92	2.5	ng/ul	541523	3	14.31	4339030	20.0
Fluorene-9-methanol	15.19	2.1	ng/ul	458953	3	14.31	4339030	20.0
Dibenzothiophene	16.87	2.1	ng/ul	489541	4	17.06	4543420	20.0
Phenanthrene, 1-m...	17.93	7.0	ng/ul	1578780	4	17.06	4543420	20.0
Phenanthrene, 4-m...	17.98	10.4	ng/ul	2367410	4	17.06	4543420	20.0
Phenanthrene, 2-m...	18.06	5.6	ng/ul	1278460	4	17.06	4543420	20.0
4H-Cyclopenta[def...	18.13	17.1	ng/ul	3881480	4	17.06	4543420	20.0
1H-Indene, 1-phenyl-	18.16	5.8	ng/ul	1305280	4	17.06	4543420	20.0
5,16[1',2']:8,13[...	18.44	4.1	ng/ul	929291	4	17.06	4543420	20.0
9,10-Anthracenedione	18.47	3.0	ng/ul	684233	4	17.06	4543420	20.0
1-Methyl-3-phenyl...	18.69	2.5	ng/ul	577262	4	17.06	4543420	20.0
Phenanthrene, 2,5...	18.86	9.3	ng/ul	2112730	4	17.06	4543420	20.0
Acephenanthrylene...	18.92	6.2	ng/ul	1406640	4	17.06	4543420	20.0
9,10-Dimethylanth...	18.95	2.6	ng/ul	584490	4	17.06	4543420	20.0
1,3-Diphenyl-3-me...	19.00	6.3	ng/ul	1419460	4	17.06	4543420	20.0
11H-Benzo[b]fluorene	19.82	2.2	ng/ul	2332430	5	21.25	20843800	20.0
Fluoranthene, 2-m...	19.98	3.6	ng/ul	3742610	5	21.25	20843800	20.0
Pyrene, 1-methyl-	20.14	2.0	ng/ul	2116710	5	21.25	20843800	20.0
(DEL) Alkane: Cyc...	20.99	4.1	ng/ul	4238060	5	21.25	20843800	20.0
Benz[a]anthracene...	21.80	2.3	ng/ul	2418670	5	21.25	20843800	20.0
Benzo[e]pyrene	22.97	15.4	ng/ul	3218250	6	23.46	4169770	20.0