LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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	6.975	738	746	757	rBV	870817	1431860	19.13%	1.283%
2	7.145	767	775	787	rBV	685618	1042856	13.93%	0.935%
3	7.345	801	809	816	rBV	904965	1506339	20.12%	1.350%
4	7.810	881	888	895	rBV	1114414	1773984	23.70%	1.590%
5	8.504	998	1006	1016	rBV	1021028	1672981	22.35%	1.499%
6	8.963	1076	1084	1095	rBV	839444	1406685	18.79%	1.261%
7	9.681	1199	1206	1213	rBV	710553	1192510	15.93%	1.069%
8	10.210	1289	1296	1306	rVB	1135541	1915024	25.58%	1.716%
9	10.592	1353	1361	1368	rBV	1422953	2481419	33.15%	2.224%
10	10.728	1376	1384	1396	rBV	858393	1503026	20.08%	1.347%
11	13.045	1771	1778	1786	rBV	114153	169369	2.26%	0.152%
12	13.763	1893	1900	1905	rBV	94145	166287	2.22%	0.149%
13	13.851	1909	1915	1919	rVV	1900544	2721281	36.35%	2.439%
14	13.892	1919	1922	1932	rVB	351901	512011	6.84%	0.459%
15	14.133	1956	1963	1976	rVB	2051302	3647159	48.72%	3.268%
16	14.439	2004	2015	2022	rBV2	2054121	3234182	43.21%	2.898%
17	14.627	2041	2047	2060	rBV	854630	1314847	17.57%	1.178%
18	14.839	2078	2083	2090	rVB3	83471	153242	2.05%	0.137%
19	14.916	2091	2096	2100	rVB	93008	136647	1.83%	0.122%
20	15.057	2112	2120	2125	rBV4	84938	216045	2.89%	0.194%
21	15.304	2158	2162	2169	rVB2	93671	160656	2.15%	0.144%
22	15.433	2175	2184	2189	rBV	2795668	4087704	54.61%	3.663%
23	15.545	2198	2203	2210	rVB	658876	919044	12.28%	0.824%
24	15.933	2260	2269	2275	rVB8	53140	128248	1.71%	0.115%
25	16.157	2304	2307	2314	rVB2	157886	254545	3.40%	0.228%
26	16.492	2357	2364	2368	rBV4	79163	185082	2.47%	0.166%
27	16.839	2419	2423	2430	rVB4	72380	131199	1.75%	0.118%
28	17.004	2446	2451	2459	rVB	139597	245211	3.28%	0.220%
29	17.080	2459	2464	2467	rBV5	89200	132405	1.77%	0.119%
30	17.180	2476	2481	2485	rBV	2581135	3706205	49.51%	3.321%
31	17.221	2485	2488	2493	rVB	1041950	1400768	18.71%	1.255%
32	17.280	2493	2498	2503	rBV	2979026	4222427	56.41%	3.784%
33	17.368	2508	2513	2520	rVV4	95603	217047	2.90%	0.194%
34	17.462	2524	2529	2532	rVV6	57742	134691	1.80%	0.121%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

35	17.762	2575	2580	2588	rVB	223648	327074	4.37%	0.293%
36	17.904	2600	2604	2610	rVB	124206	214979	2.87%	0.193%
37	17.974	2610	2616	2620	rBV4	74492	143090	1.91%	0.128%
38	18.015	2620	2623	2626	rVV4	112196	172343	2.30%	0.154%
39	18.057	2626	2630	2632	rVV	676972	1016663	13.58%	0.911%
40	18.080	2632	2634	2635	rVV	667728	651494	8.70%	0.584%
41	18.104	2635	2638	2643	rVV	866142	1252465	16.73%	1.122%
42	18.151	2643	2646	2648	rVV	107197	139237	1.86%	0.125%
43	18.186	2648	2652	2656	rVV	187604	303435	4.05%	0.272%
44	18.245	2657	2662	2666	rVV2	697719	1295268	17.30%	1.161%
45	18.286	2666	2669	2675	rVB	512481	710318	9.49%	0.637%
46	18.374	2680	2684	2687	rBV2	128924	203893	2.72%	0.183%
47	18.451	2693	2697	2702	rVB2	142544	214368	2.86%	0.192%
48	18.557	2705	2715	2718	rVV3	308247	539016	7.20%	0.483%
49	18.592	2718	2721	2733	rVB2	261148	607660	8.12%	0.545%
50	18.774	2748	2752	2754	rBV2	133576	189686	2.53%	0.170%
51	18.804	2754	2757	2761	rVV	249926	331476	4.43%	0.297%
52	18.856	2761	2766	2769	rVV	378366	487678	6.51%	0.437%
53	18.892	2769	2772	2777	rVB2	312401	401890	5.37%	0.360%
54	18.974	2781	2786	2791	rBV	874197	1388789	18.55%	1.245%
55	19.027	2791	2795	2799	rVV3	326416	582773	7.79%	0.522%
56	19.068	2799	2802	2805	rVB	283199	340923	4.55%	0.306%
57	19.115	2805	2810	2816	rBV3	382903	742993	9.93%	0.666%
58	19.239	2823	2831	2837	rBV	1970829	2711866	36.23%	2.430%
59	19.304	2838	2842	2845	rBV	192606	252012	3.37%	0.226%
60	19.339	2845	2848	2849	rBV	131058	133167	1.78%	0.119%
61	19.386	2854	2856	2860	rVB2	190546	220365	2.94%	0.197%
62	19.433	2861	2864	2868	rBV	116909	132307	1.77%	0.119%
63	19.480	2869	2872	2875	rBV2	146751	176421	2.36%	0.158%
64	19.574	2882	2888	2891	rBV	4004475	6164291	82.35%	5.524%
65	19.604	2891	2893	2901	rVB	2483012	3086680	41.23%	2.766%
66	19.680	2901	2906	2911	rVB2	452464	704671	9.41%	0.631%
67	19.839	2929	2933	2939	rVB2	229347	405067	5.41%	0.363%
68	19.921	2942	2947	2959	rBV6	407128	1110428	14.83%	0.995%
69	20.009	2959	2962	2966	rBV3	140314	212664	2.84%	0.191%
70	20.062	2966	2971	2973	rVV4	333438	564154	7.54%	0.506%
71	20.092	2973	2976	2980	rVB	524084	749099	10.01%	0.671%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

72	20.198	2990	2994	2998	rVV	248631	328467	4.39%	0.294%
73	20.256	2999	3004	3008	rVV	676903	891515	11.91%	0.799%
74	20.392	3023	3027	3031	rBV	569925	726702	9.71%	0.651%
75	20.439	3031	3035	3039	rVV	519760	667069	8.91%	0.598%
76	20.480	3039	3042	3050	rVB3	139354	219279	2.93%	0.196%
77	20.839	3100	3103	3110	rVB	356393	528751	7.06%	0.474%
78	20.927	3116	3118	3123	rVB	226777	283717	3.79%	0.254%
79	20.986	3124	3128	3129	rBV	284252	318426	4.25%	0.285%
80	21.009	3130	3132	3136	rVV2	387156	490810	6.56%	0.440%
81	21.050	3136	3139	3141	rVV	176000	194203	2.59%	0.174%
82	21.080	3141	3144	3149	rVB4	449891	628039	8.39%	0.563%
83	21.362	3185	3192	3196	rBV2	4387480	7485594	100.00%	6.708%
84	21.398	3196	3198	3207	rVB	1434115	1782726	23.82%	1.598%
85	21.480	3208	3212	3215	rVB2	228621	280186	3.74%	0.251%
86	21.521	3216	3219	3223	rBV4	171681	302383	4.04%	0.271%
87	21.568	3224	3227	3229	rBV	172945	218151	2.91%	0.195%
88	21.862	3274	3277	3280	rBV	142747	185023	2.47%	0.166%
89	21.921	3280	3287	3291	rVV	534887	1011271	13.51%	0.906%
90	21.974	3291	3296	3301	rVV2	499677	787338	10.52%	0.706%
91	22.115	3317	3320	3324	rBV2	299419	417653	5.58%	0.374%
92	22.950	3457	3462	3466	rBV2	1195939	2345639	31.34%	2.102%
93	22.991	3466	3469	3475	rVB2	1101257	1817950	24.29%	1.629%
94	23.127	3489	3492	3498	rVB	239379	364915	4.87%	0.327%
95	23.439	3540	3545	3549	rBV	624784	1209863	16.16%	1.084%
96	23.491	3549	3554	3559	rVV2	3060988	5804933	77.55%	5.202%
97	23.539	3559	3562	3569	rVB	1155170	1849940	24.71%	1.658%
98	23.639	3572	3579	3585	rBV	2793988	5395187	72.07%	4.835%
99	24.191	3669	3673	3681	rVB2	488276	951343	12.71%	0.853%
100	25.927	3964	3968	3976	rVB3	446664	1102825	14.73%	0.988%

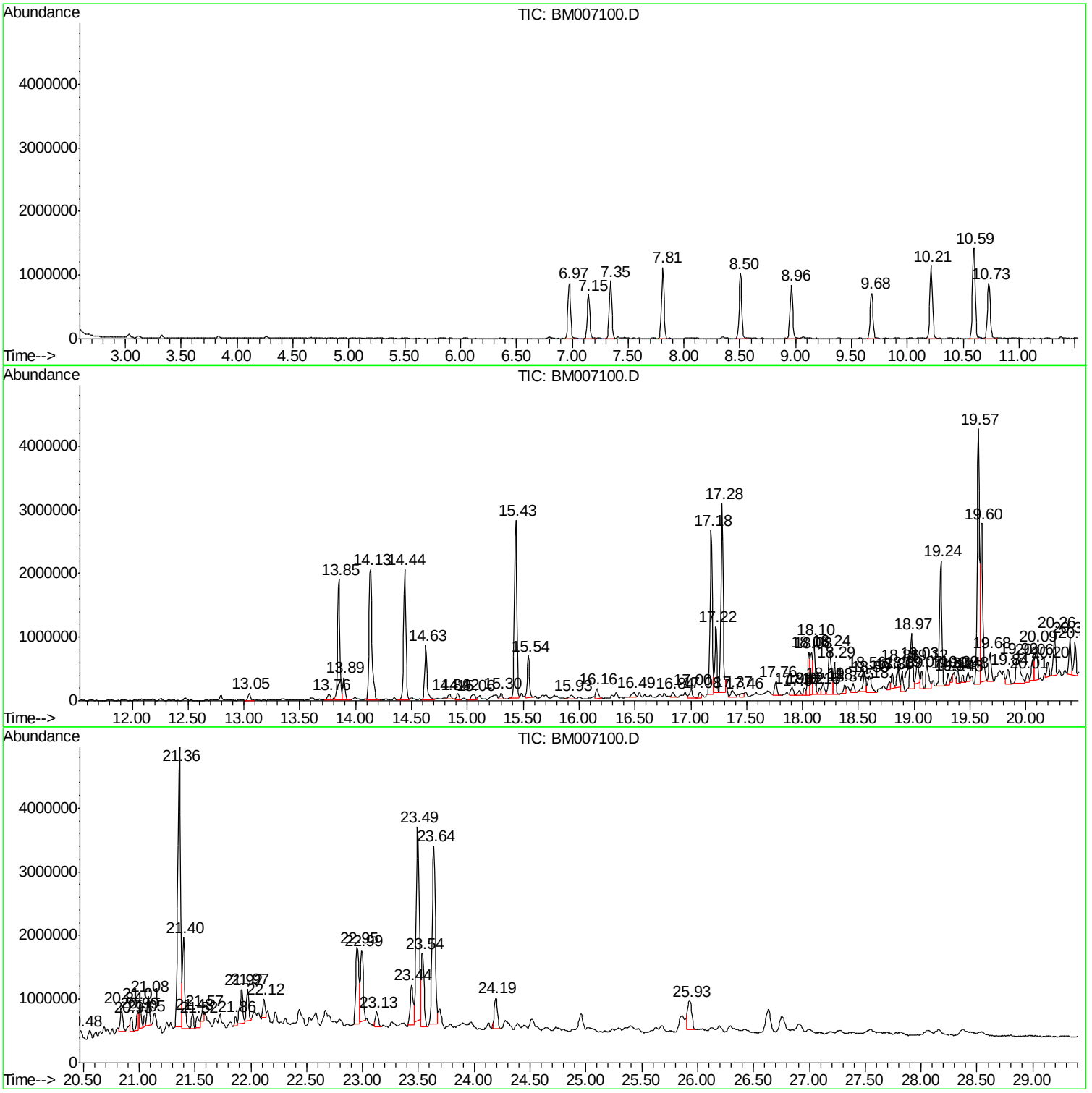
Sum of corrected areas: 111593587

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

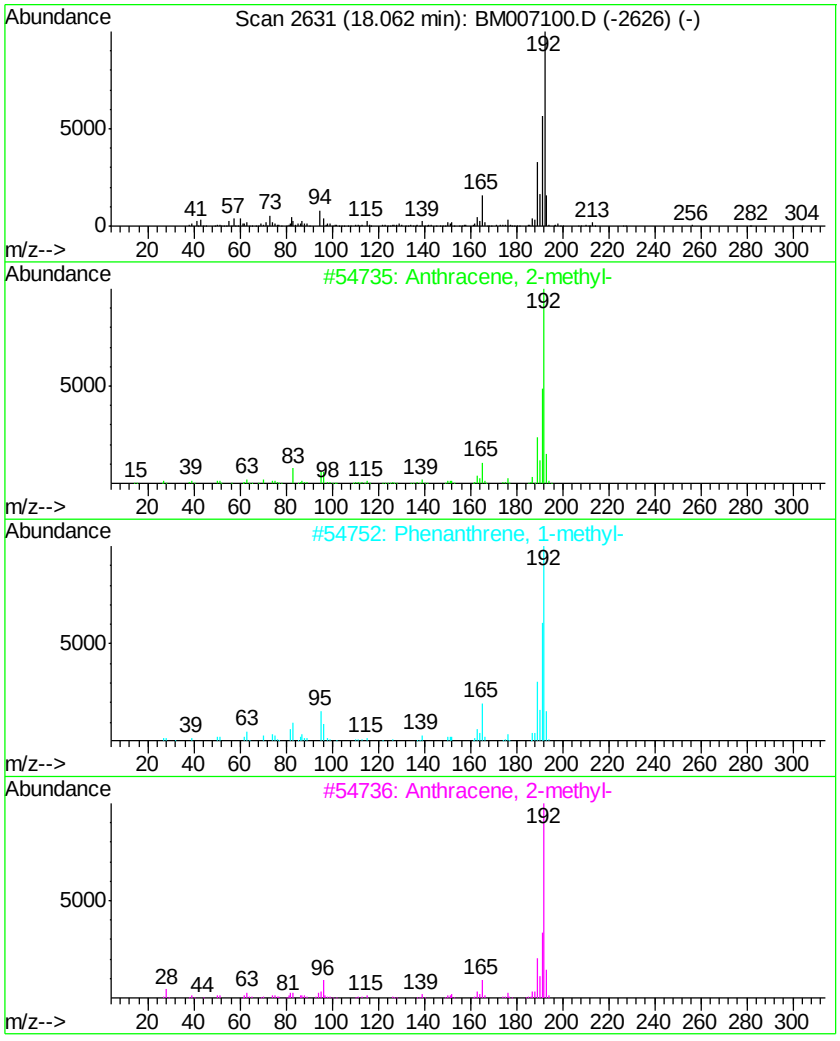
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

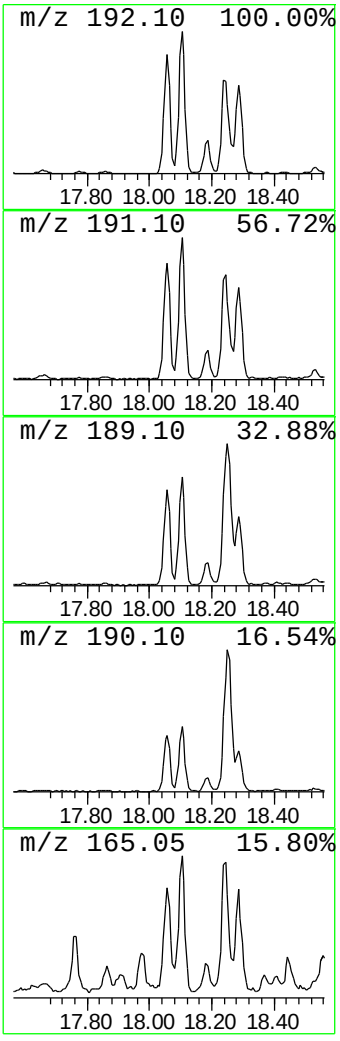
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.49 ng/ul	1016660	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

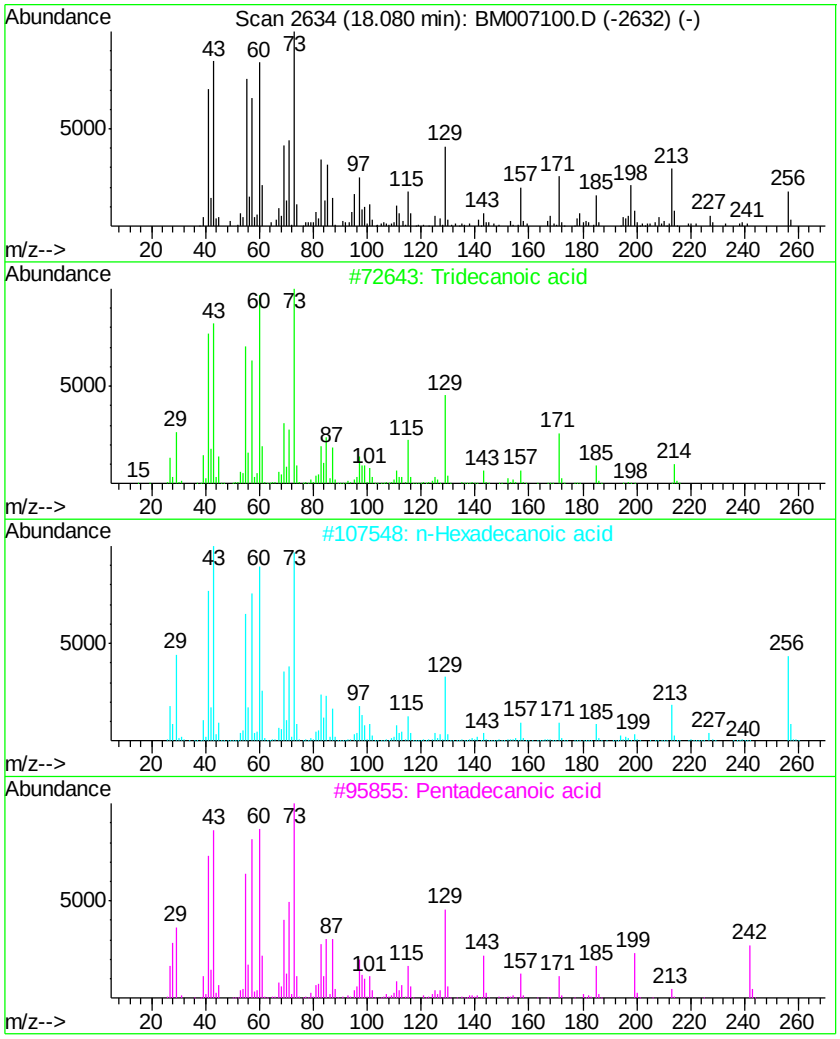
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

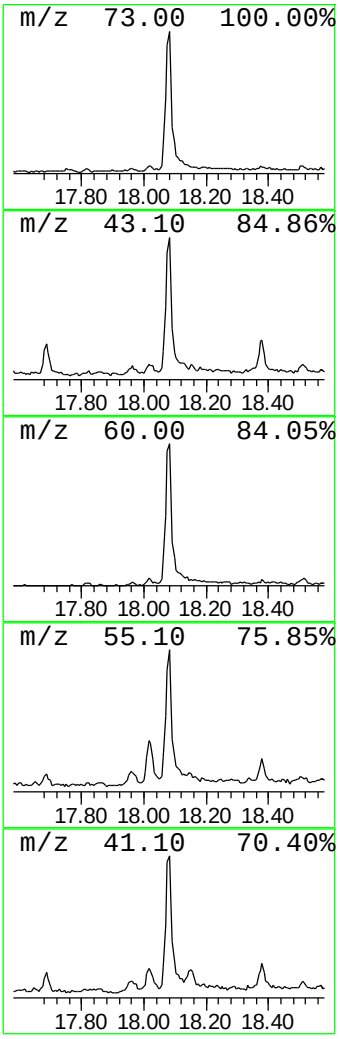
****

Peak Number 2 Tridecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	3.52 ng/ul	651494	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

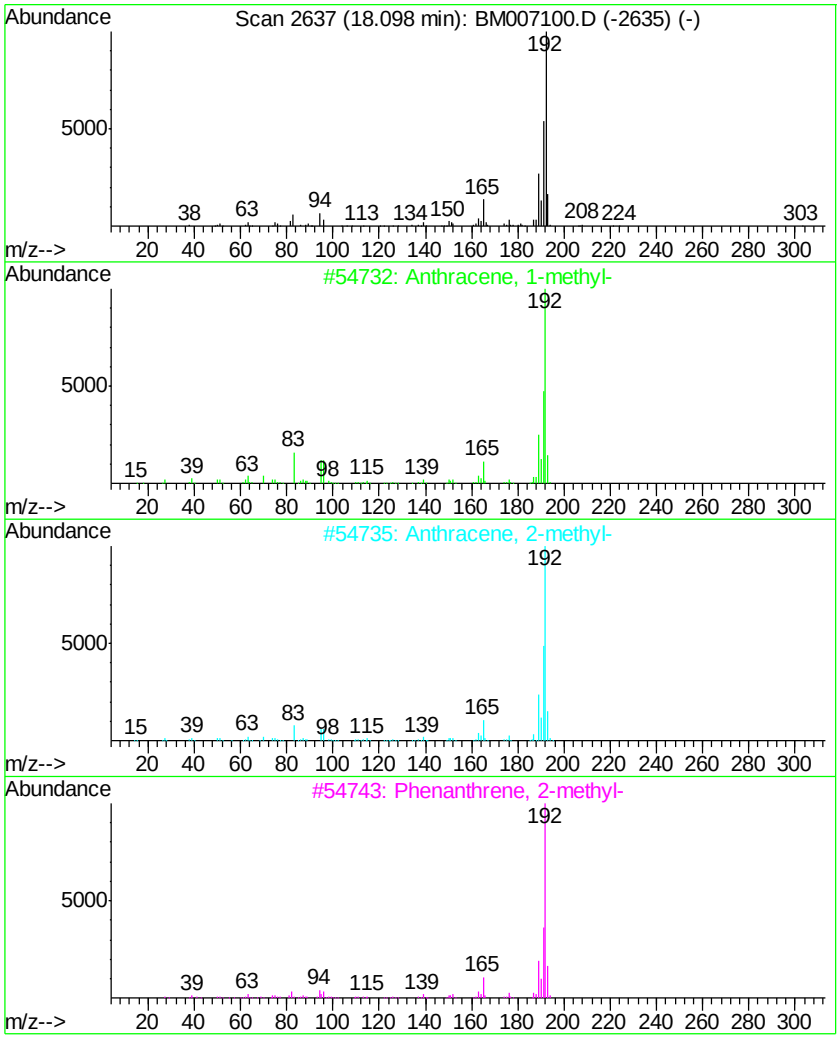
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

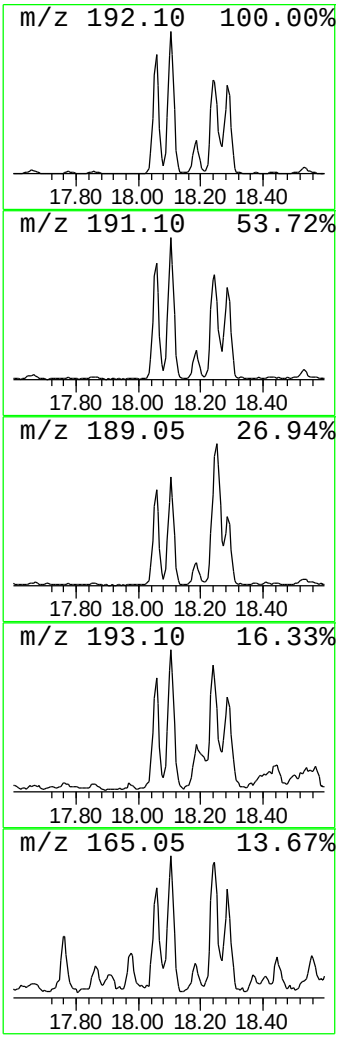
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	6.76 ng/ul	1252470	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

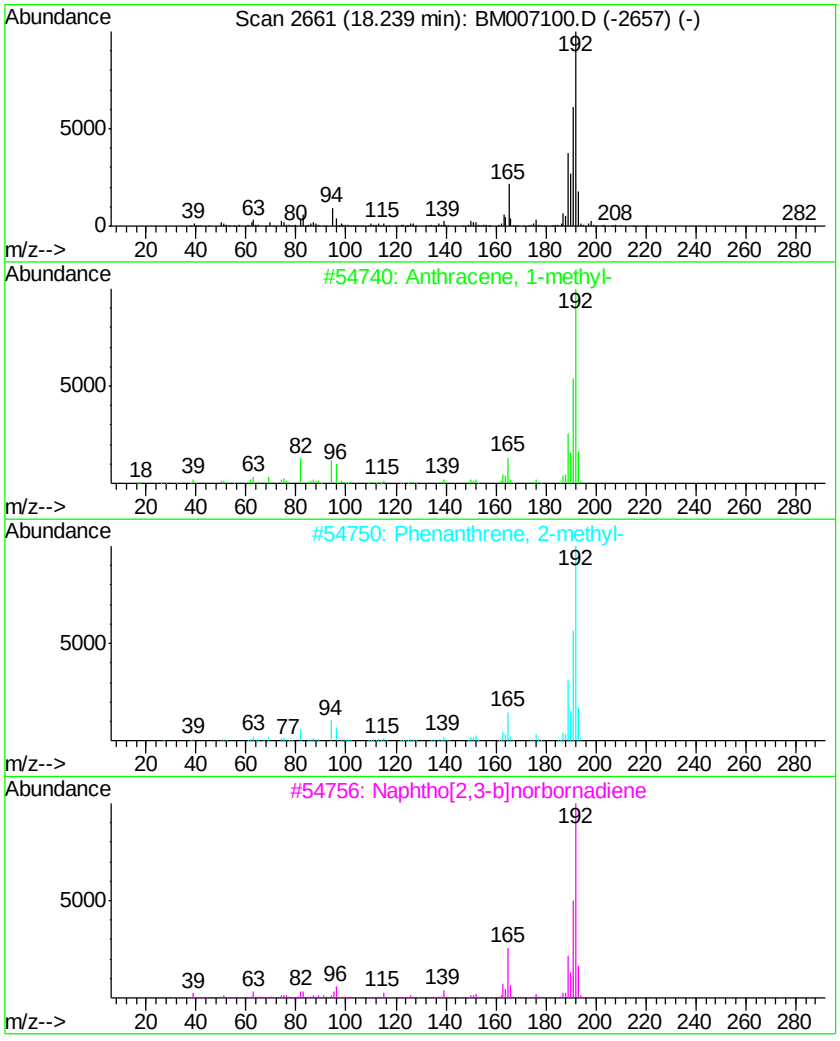
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

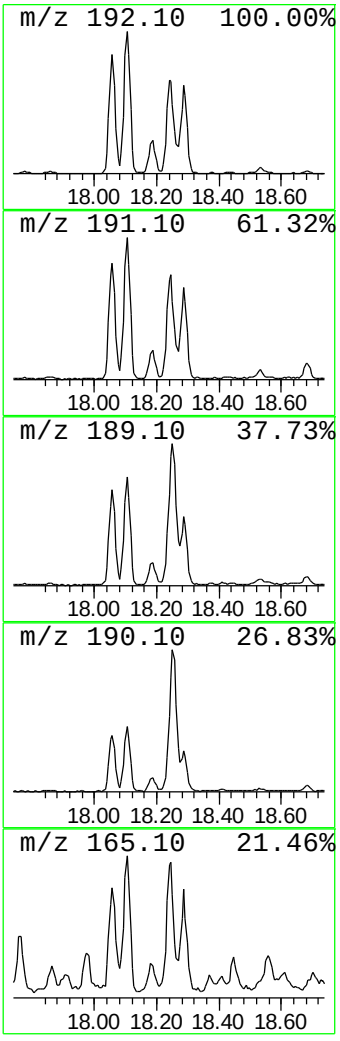
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	6.99 ng/ul	1295270	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

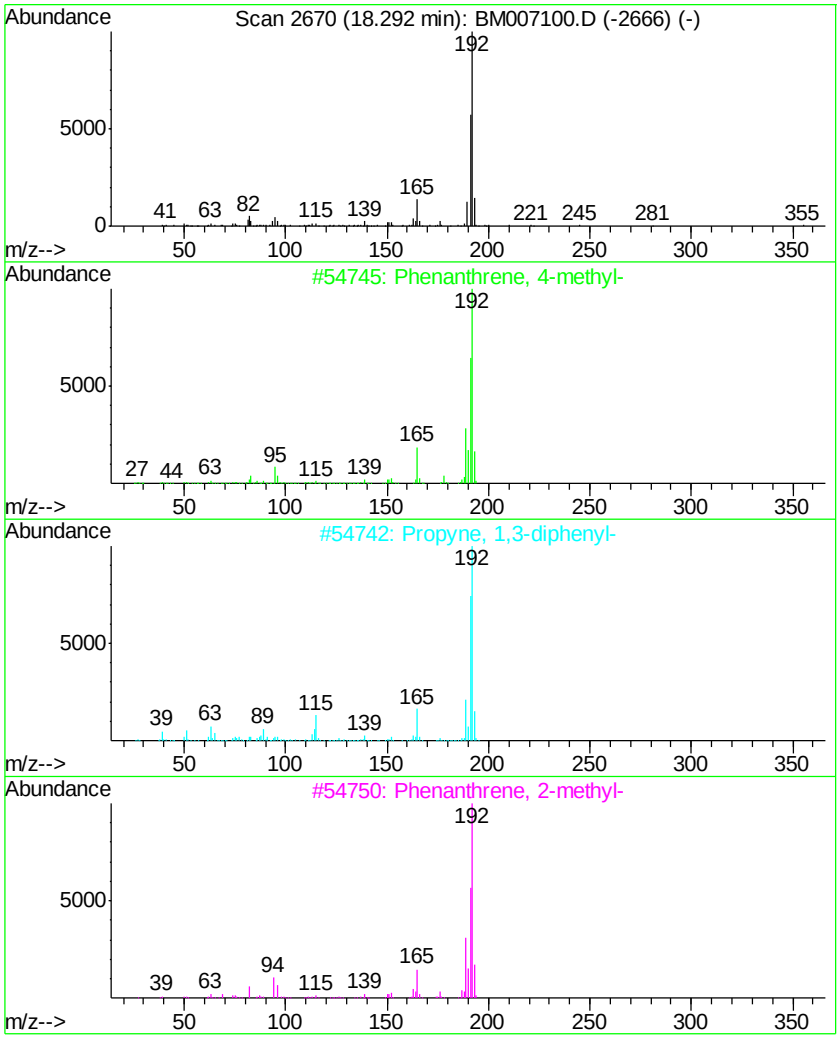
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

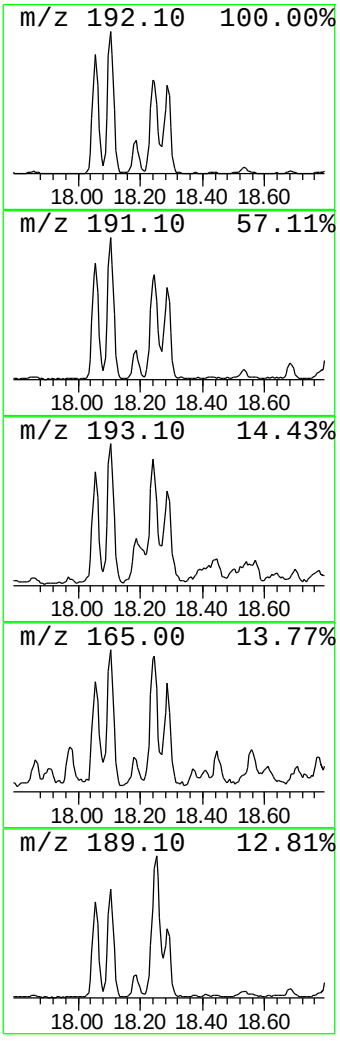
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.83 ng/ul	710318	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





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Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

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Quant Title : SVOA CALIBRATION

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

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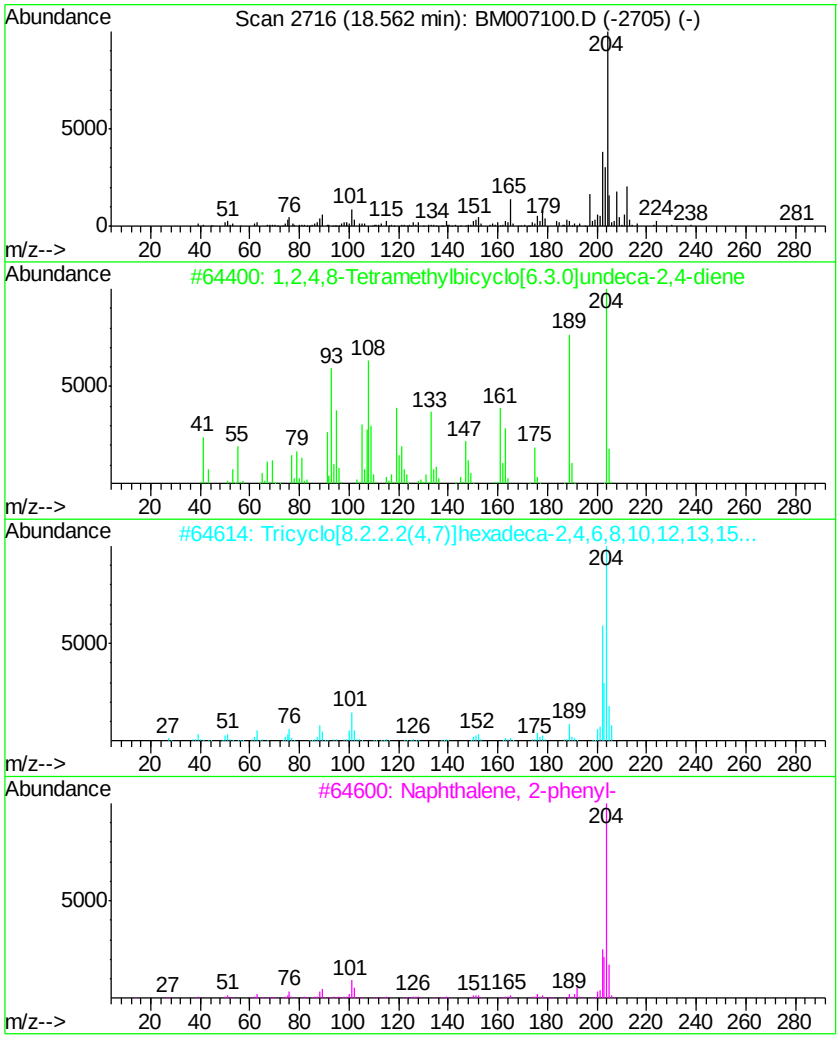
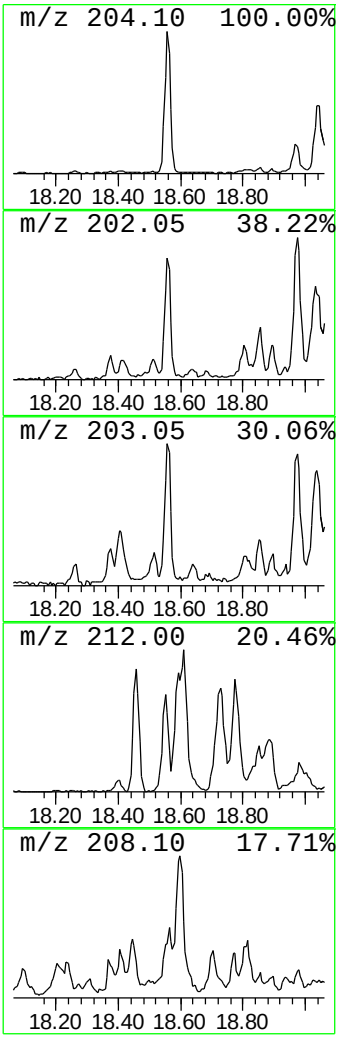
Peak Number 6 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.91 ng/ul	539016	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49





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Operator : UM/SJ
Sample : H4387-15
Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

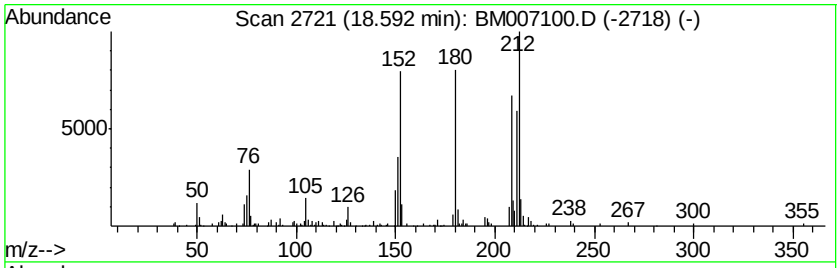
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

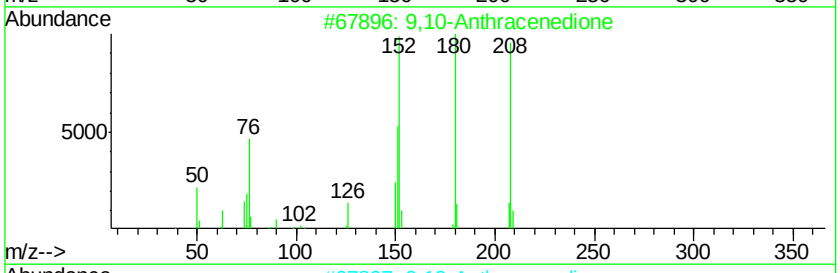
****

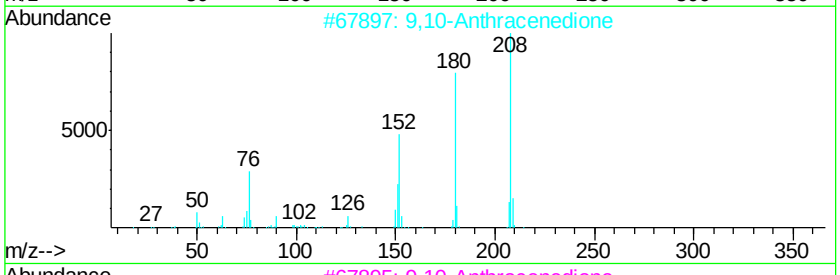
Peak Number 7 9,10-Anthracenedione Concentration Rank 10

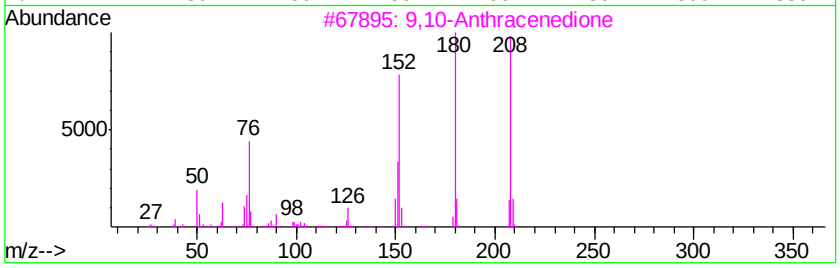
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	3.28 ng/ul	607660	Phenanthrene-d10	17.18

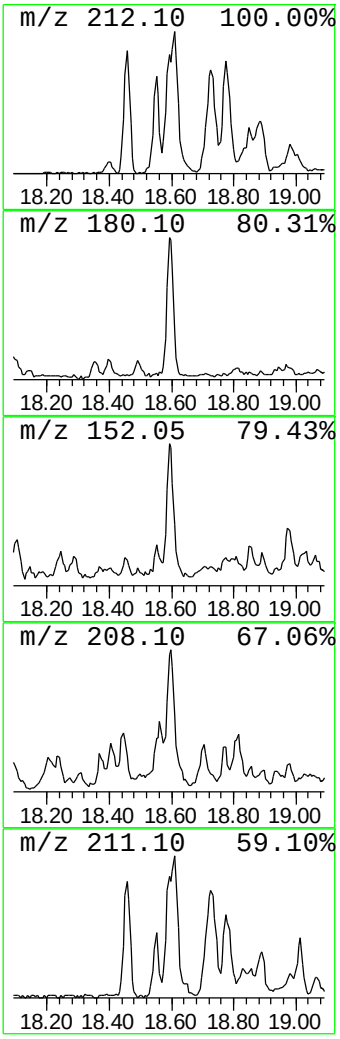
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	78
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50











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Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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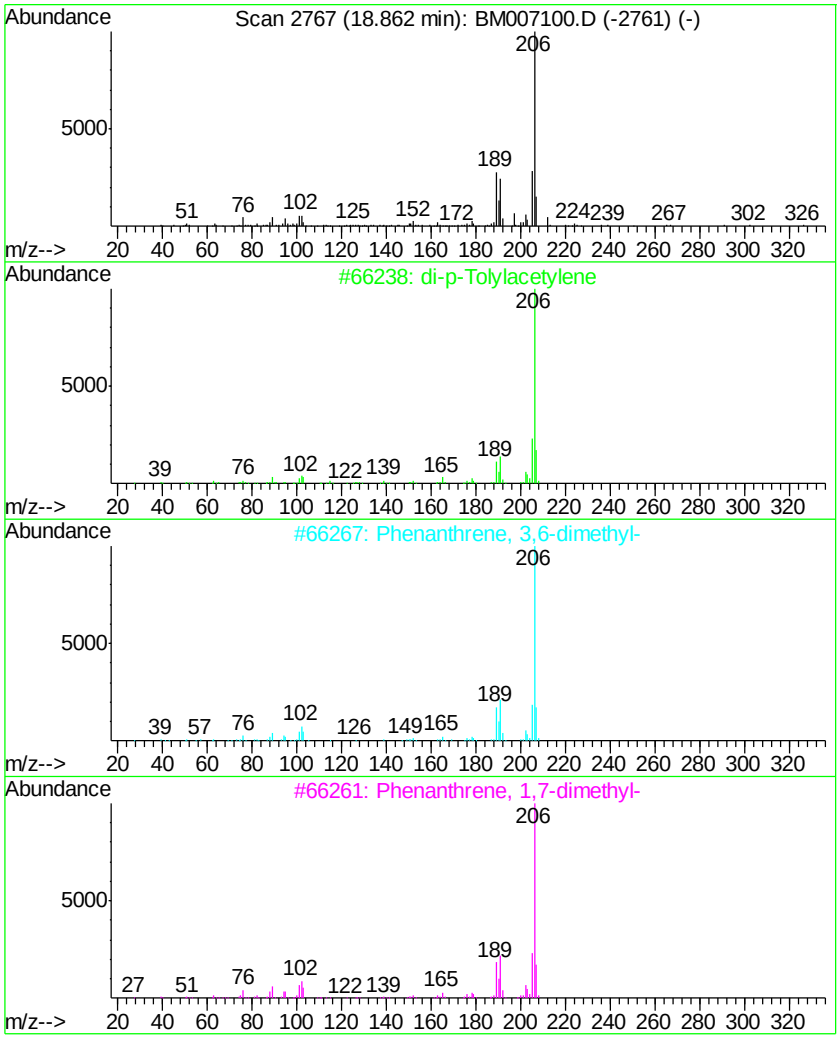
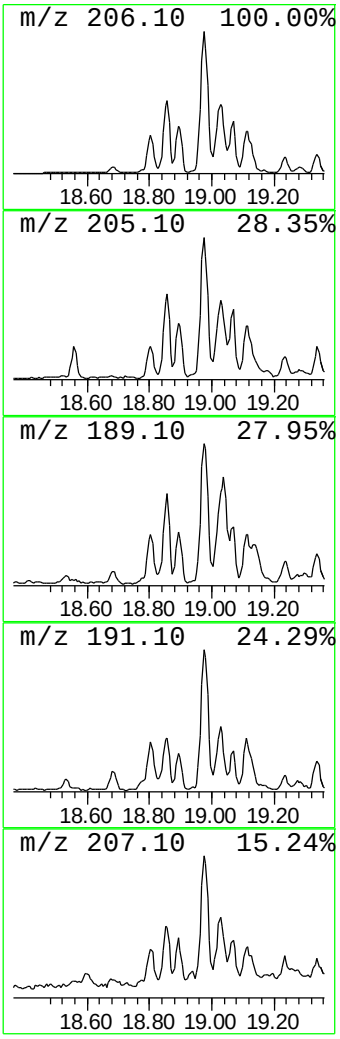
Peak Number 8 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.63 ng/ul	487678	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72





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Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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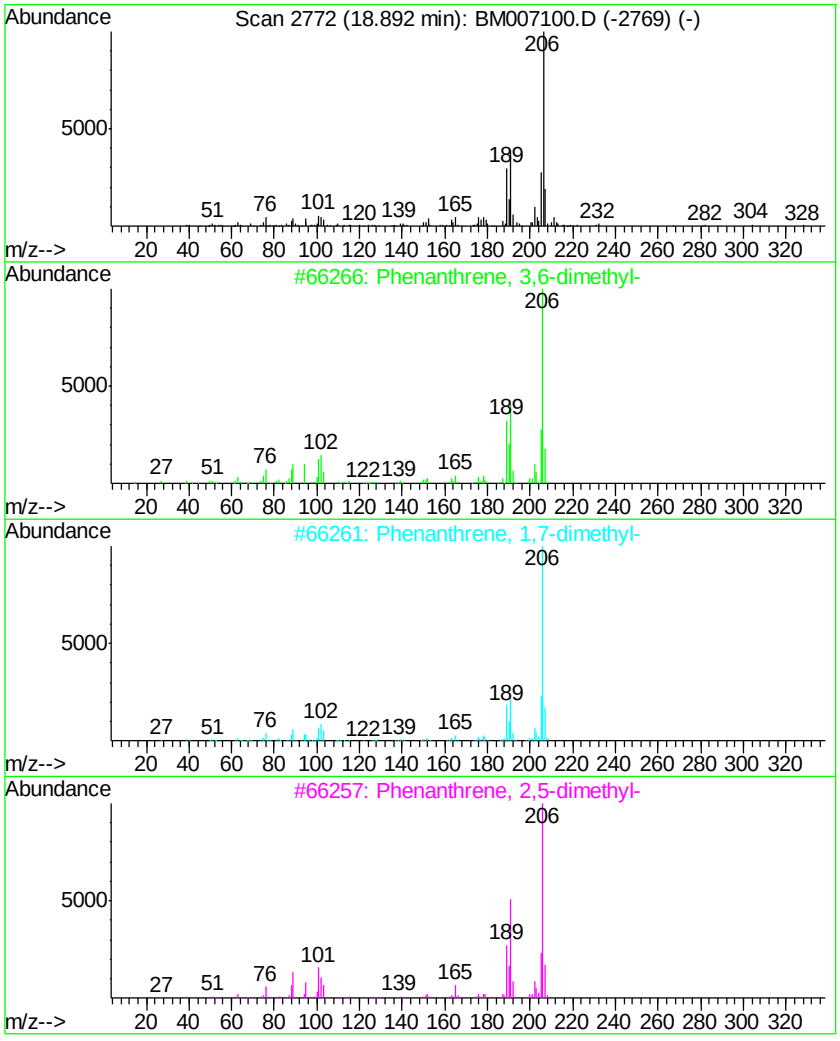
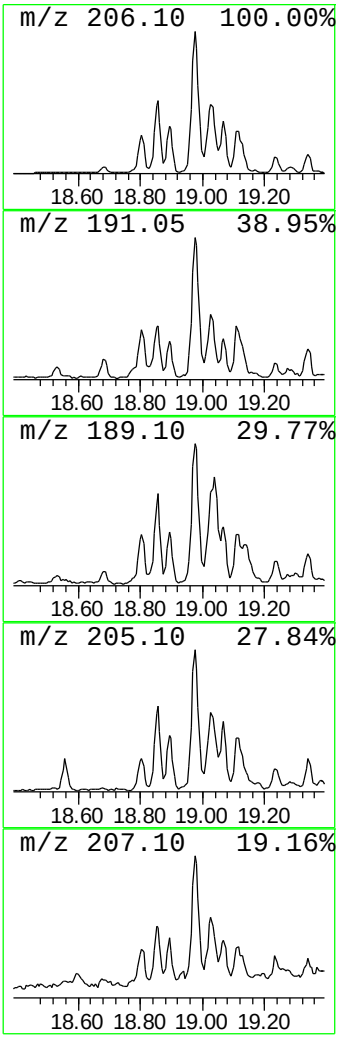
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.17 ng/ul	401890	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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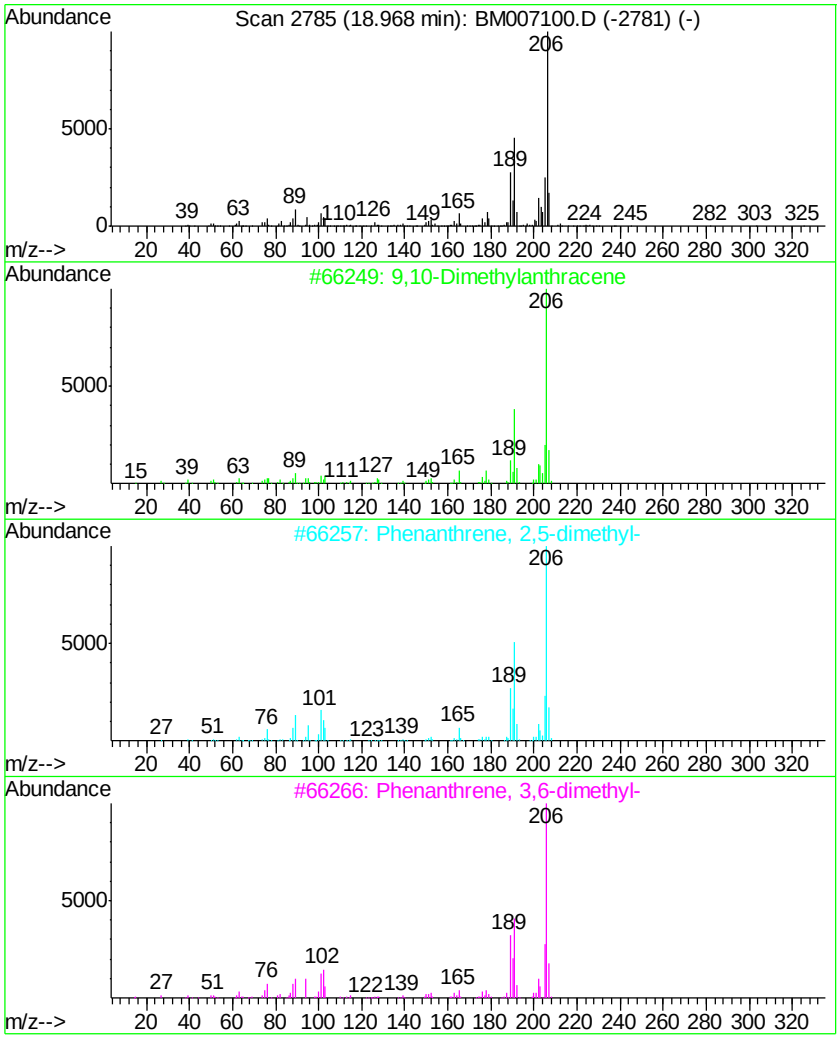
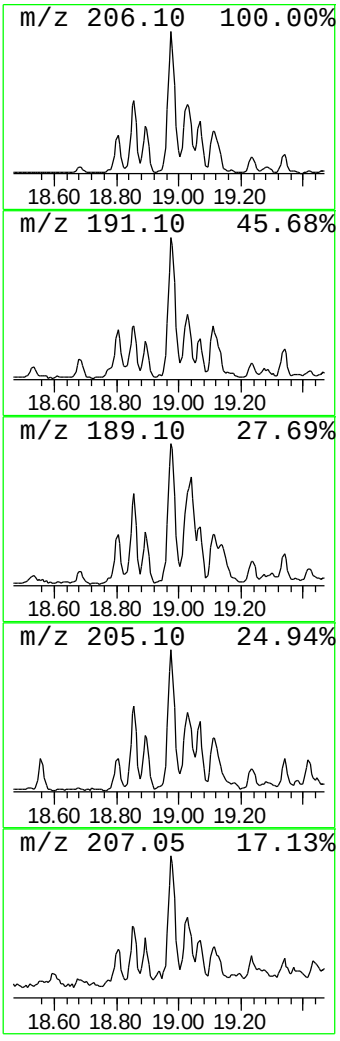
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	7.49 ng/ul	1388790	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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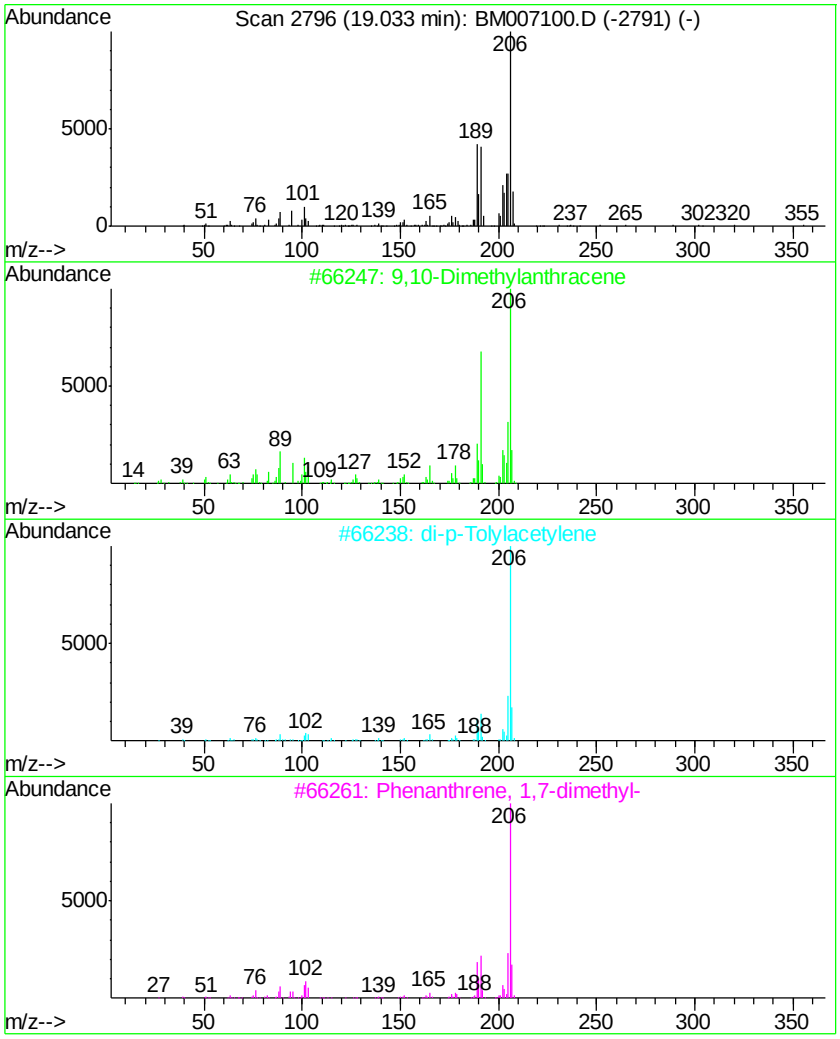
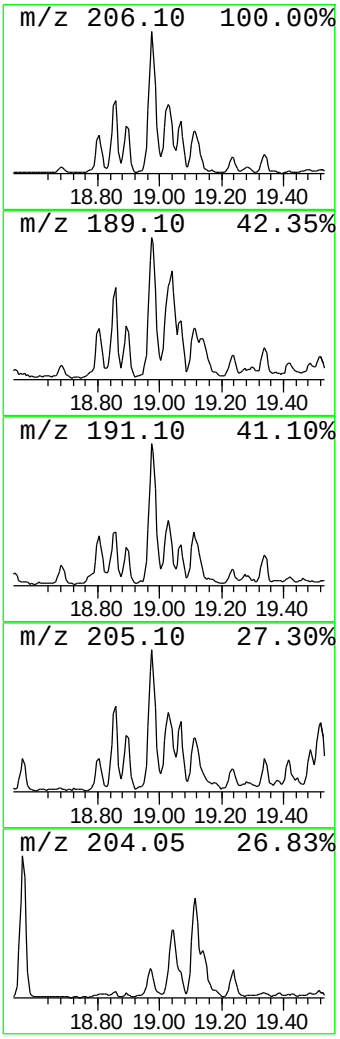
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.14 ng/ul	582773	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80





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Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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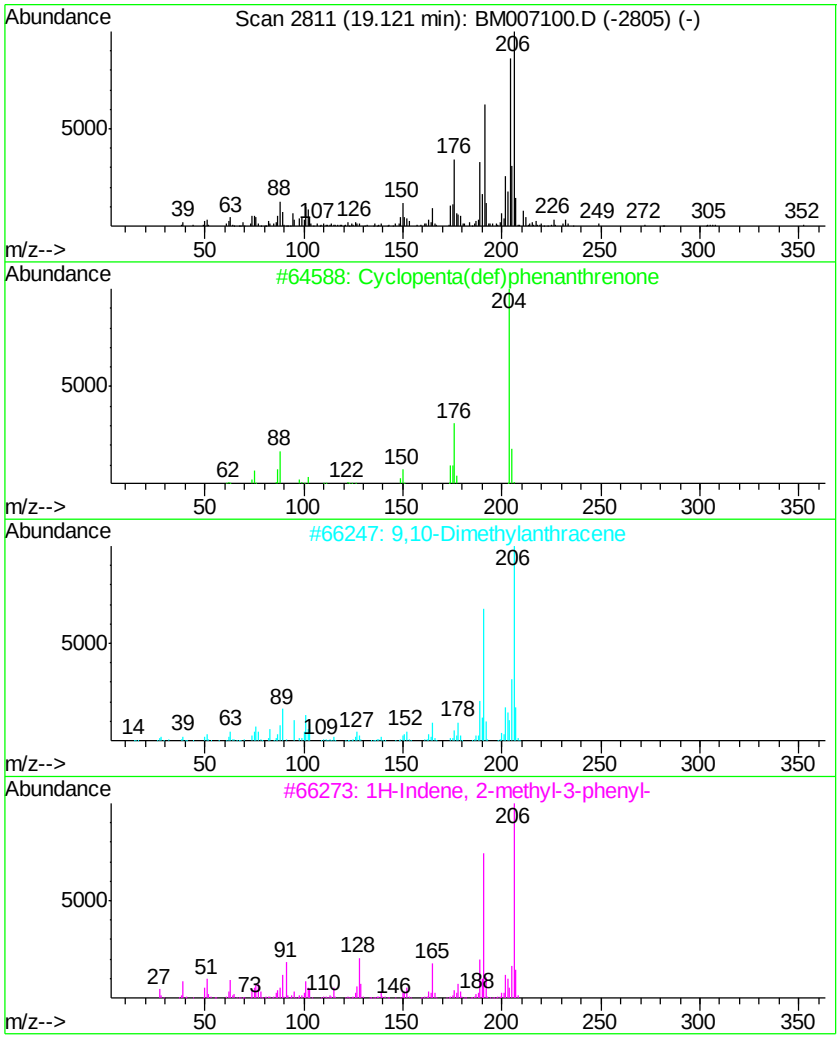
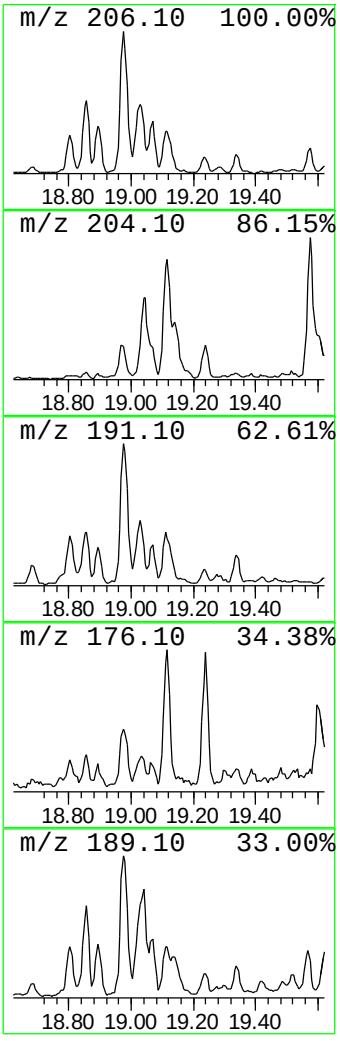
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	4.01 ng/ul	742993	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	64
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	55





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Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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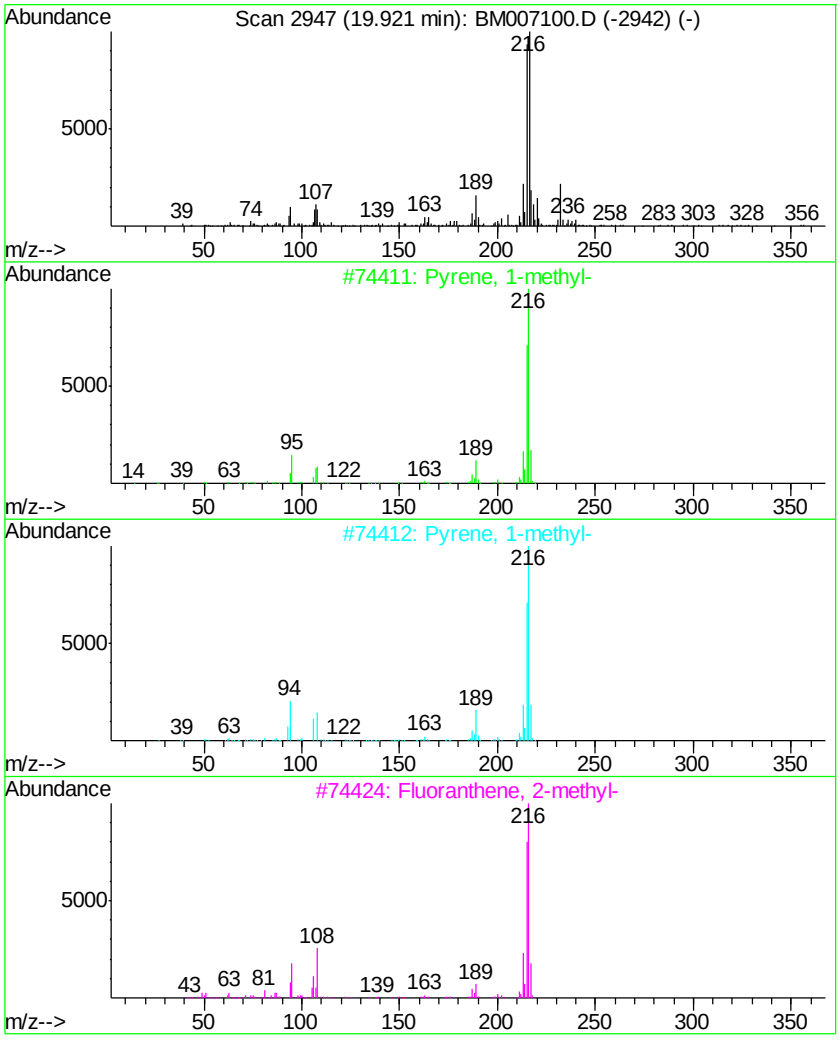
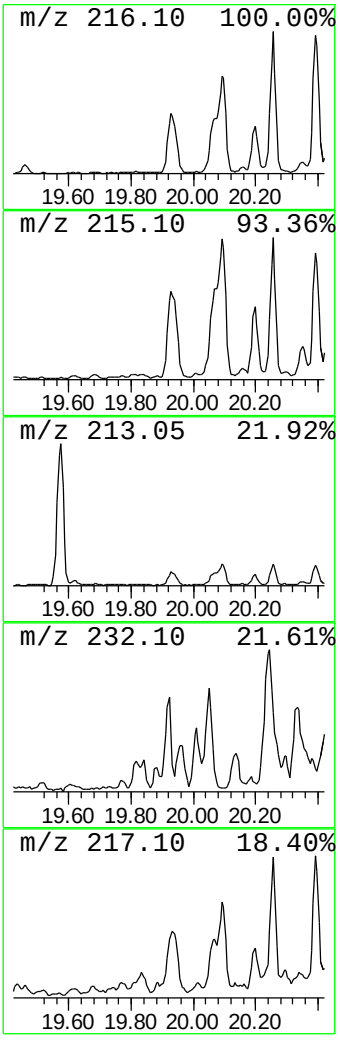
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.97 ng/ul	1110430	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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Sample : H4387-15
Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

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Quant Title : SVOA CALIBRATION

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

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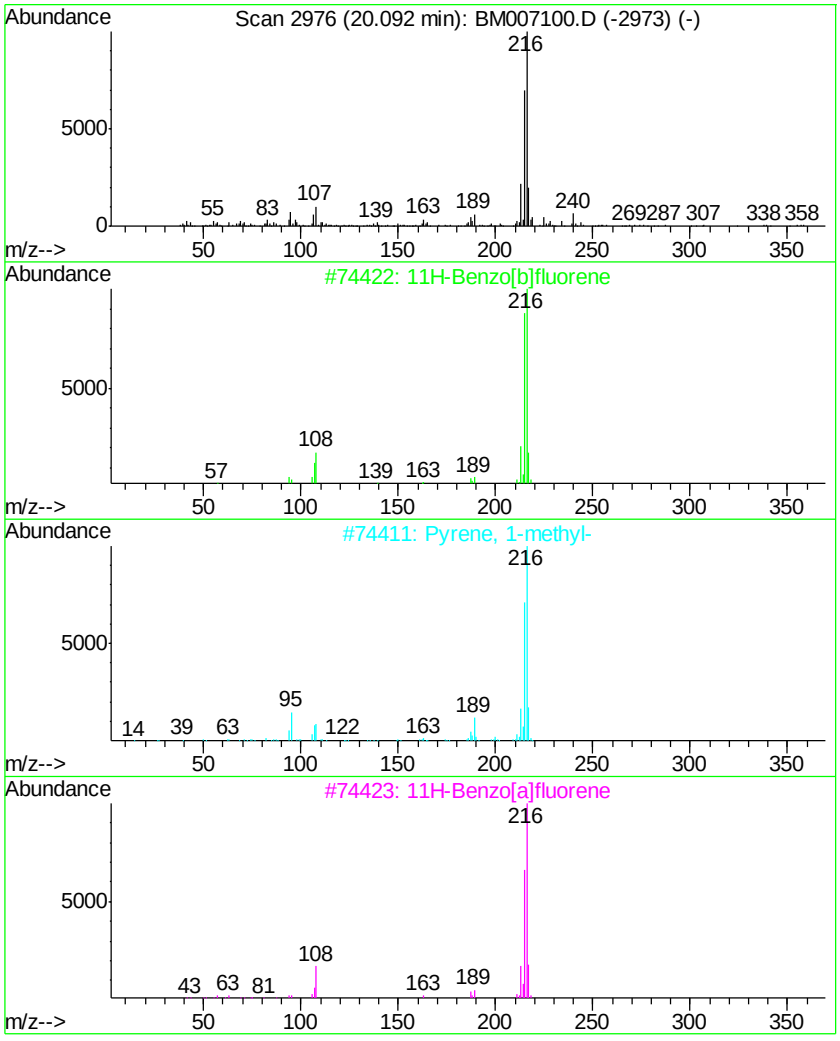
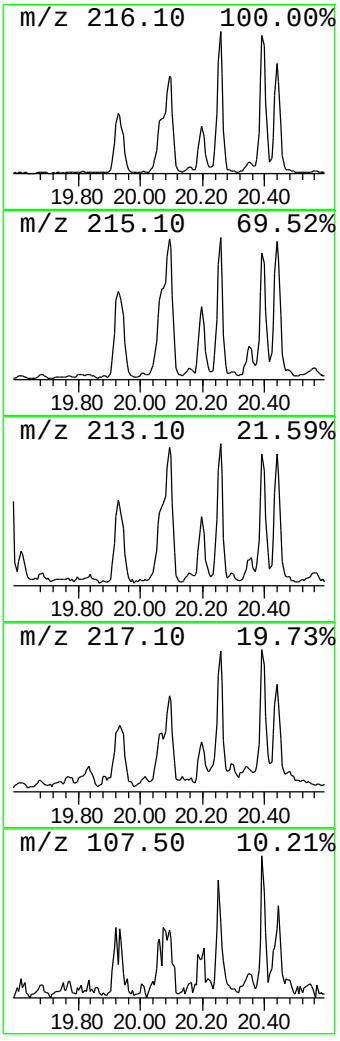
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.00 ng/ul	749099	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

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Quant Title : SVOA CALIBRATION

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

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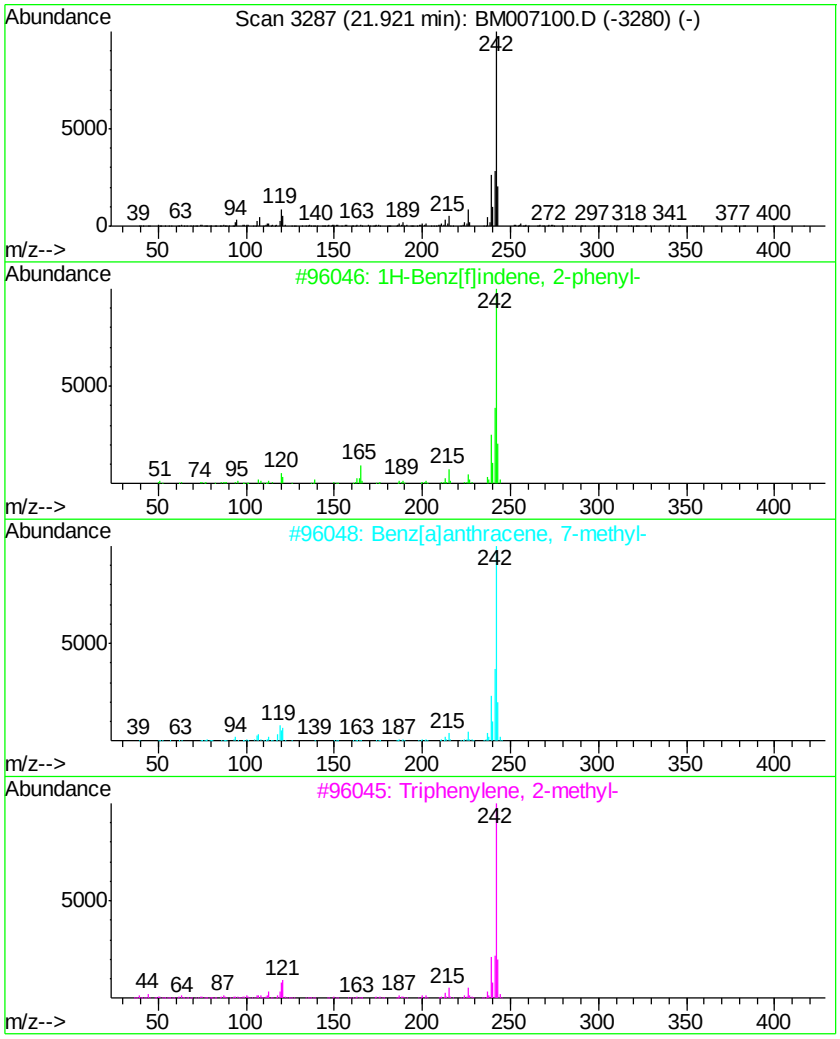
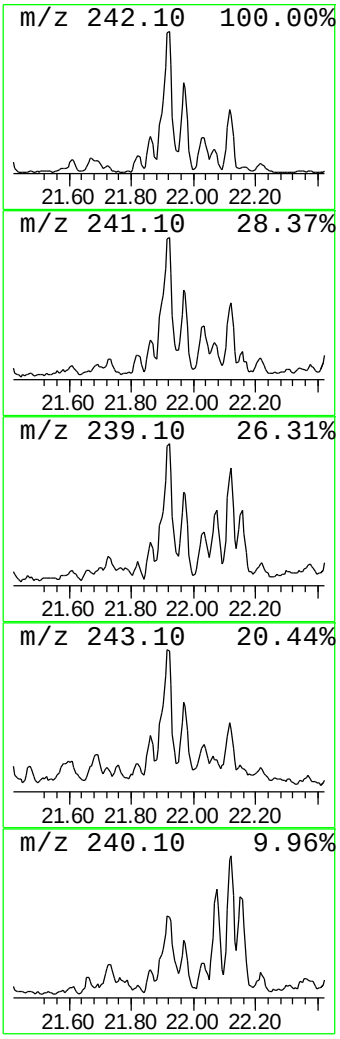
Peak Number 16 1H-Benz[f]indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	2.70 ng/ul	1011270	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90





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Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

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Quant Title : SVOA CALIBRATION

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

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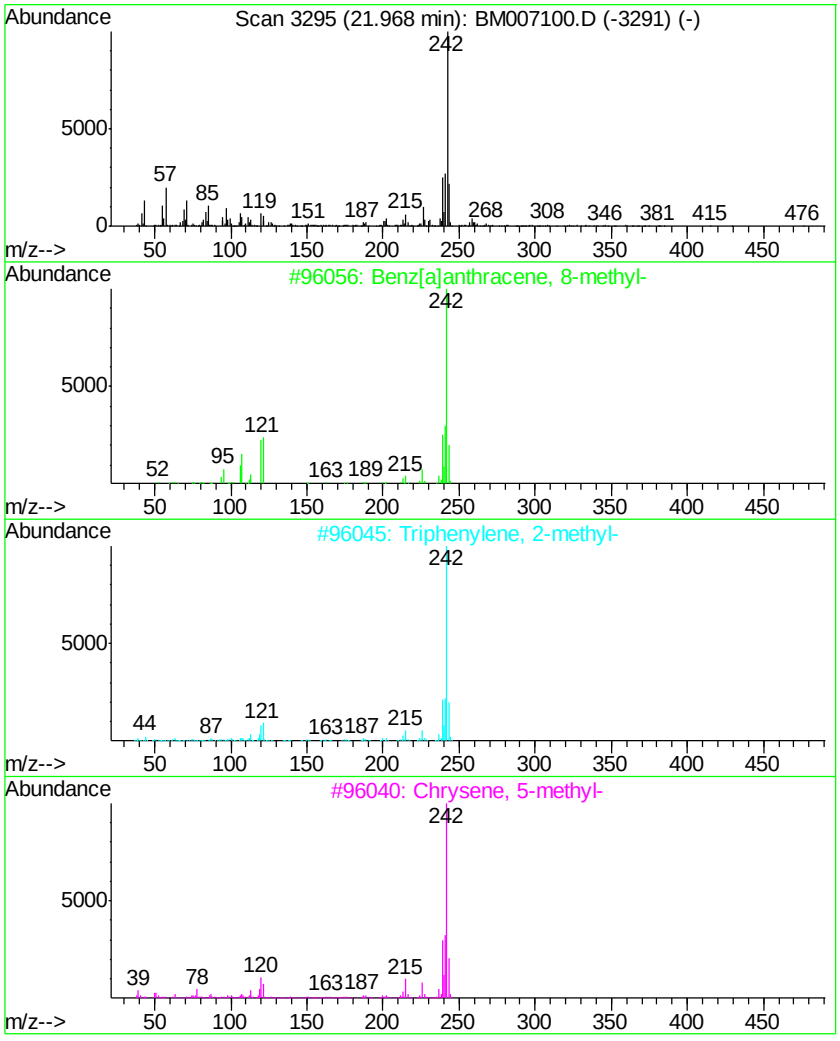
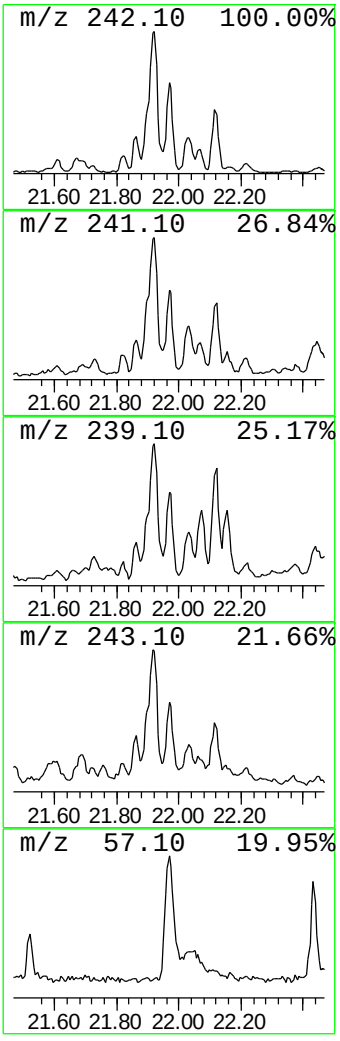
Peak Number 17 Benz[a]anthracene, 8-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.10 ng/ul	787338	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	76
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	70
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	70
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

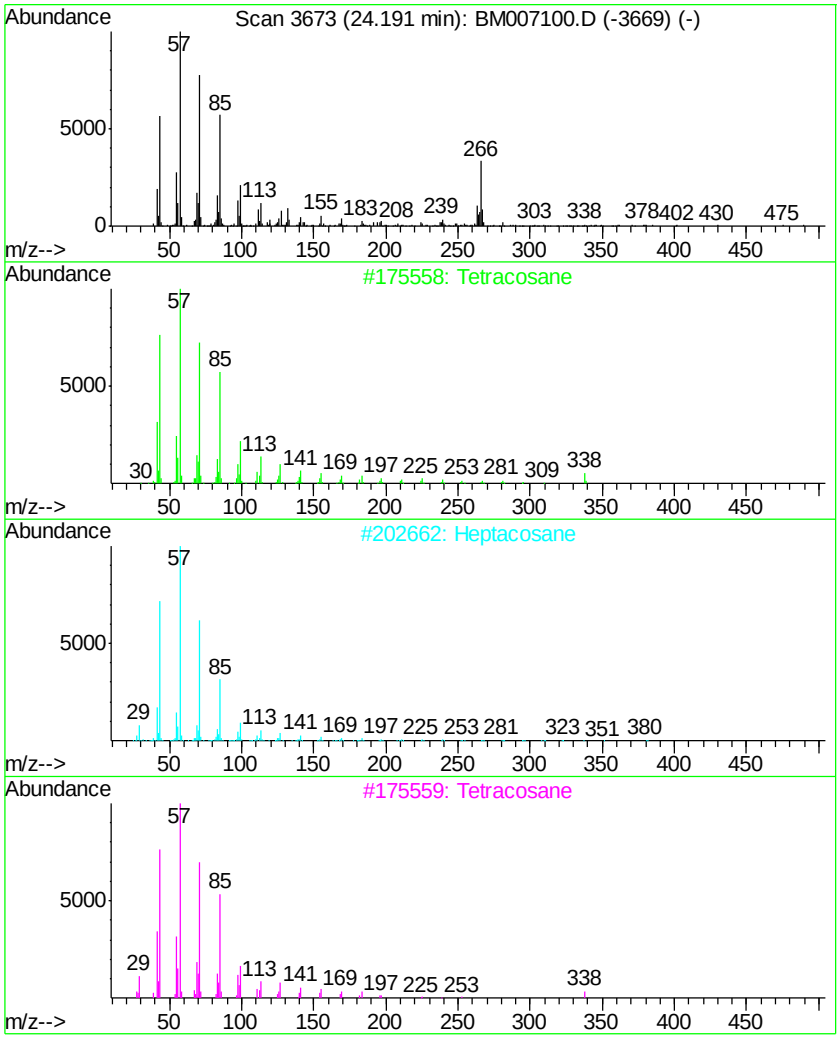
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

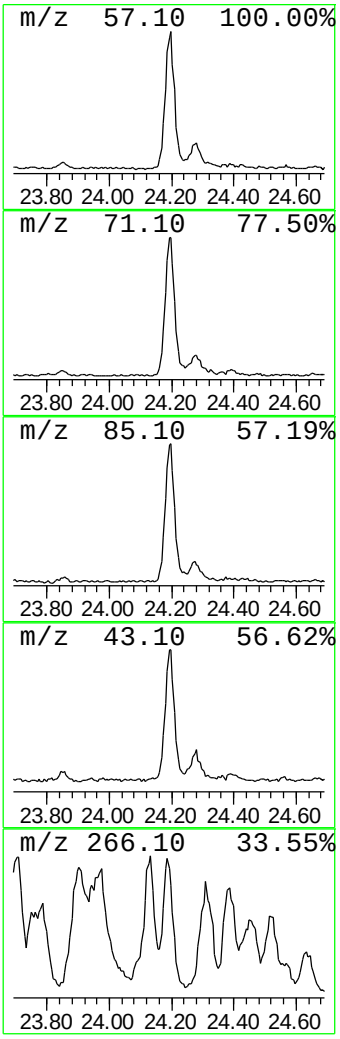
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	3.53 ng/ul	951343	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Heptacosane	380	C27H56	000593-49-7	93
3	Tetracosane	338	C24H50	000646-31-1	89
4	Tetracosane	338	C24H50	000646-31-1	86
5	Nonadecane	268	C19H40	000629-92-5	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007100.D
Acq On : 14 Aug 2016 10:25
Operator : UM/SJ
Sample : H4387-15
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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
Anthracene, 2-met...	18.06	5.5	ng/ul	1016660	4	17.18	3706210	20.0
Tridecanoic acid	18.08	3.5	ng/ul	651494	4	17.18	3706210	20.0
Anthracene, 1-met...	18.10	6.8	ng/ul	1252470	4	17.18	3706210	20.0
Phenanthrene, 2-m...	18.24	7.0	ng/ul	1295270	4	17.18	3706210	20.0
Phenanthrene, 4-m...	18.29	3.8	ng/ul	710318	4	17.18	3706210	20.0
1,2,4,8-Tetrameth...	18.56	2.9	ng/ul	539016	4	17.18	3706210	20.0
9,10-Anthracenedione	18.59	3.3	ng/ul	607660	4	17.18	3706210	20.0
di-p-Tolylacetylene	18.86	2.6	ng/ul	487678	4	17.18	3706210	20.0
Phenanthrene, 3,6...	18.89	2.2	ng/ul	401890	4	17.18	3706210	20.0
9,10-Dimethylanth...	18.97	7.5	ng/ul	1388790	4	17.18	3706210	20.0
Phenanthrene, 1,7...	19.03	3.1	ng/ul	582773	4	17.18	3706210	20.0
Cyclopenta(def)ph...	19.12	4.0	ng/ul	742993	4	17.18	3706210	20.0
Pyrene, 1-methyl-	19.92	3.0	ng/ul	1110430	5	21.36	7485590	20.0
11H-Benzo[b]fluorene	20.09	2.0	ng/ul	749099	5	21.36	7485590	20.0
1H-Benz[f]indene,...	21.92	2.7	ng/ul	1011270	5	21.36	7485590	20.0
Benz[a]anthracene...	21.97	2.1	ng/ul	787338	5	21.36	7485590	20.0
(DEL) Alkane: Str...	24.19	3.5	ng/ul	951343	6	23.64	5395190	20.0