LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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	6.969	739	745	756	rBV	616116	1015207	10.85%	0.719%
2	7.145	769	775	788	rVB	487645	760457	8.13%	0.538%
3	7.339	802	808	817	rVB	637261	1016210	10.86%	0.719%
4	7.810	881	888	896	rBV	1229370	1959261	20.94%	1.387%
5	8.504	998	1006	1014	rBV	708135	1155500	12.35%	0.818%
6	8.963	1077	1084	1094	rBV	628293	1061073	11.34%	0.751%
7	9.681	1198	1206	1219	rVB	542867	927850	9.92%	0.657%
8	10.210	1288	1296	1306	rVB	885704	1487319	15.90%	1.053%
9	10.592	1354	1361	1368	rBV	1619776	2753929	29.44%	1.950%
10	10.727	1377	1384	1401	rBV	436414	800501	8.56%	0.567%
11	13.757	1893	1899	1904	rBV	147128	254008	2.72%	0.180%
12	13.851	1910	1915	1919	rVV	1309699	1965287	21.01%	1.391%
13	13.892	1919	1922	1933	rVB	1063975	1461408	15.62%	1.035%
14	14.133	1956	1963	1966	rBV	1391948	2324348	24.84%	1.646%
15	14.439	2004	2015	2022	rBV2	2299432	3572304	38.18%	2.529%
16	14.627	2041	2047	2059	rBV	848232	1382021	14.77%	0.978%
17	15.051	2112	2119	2124	rBV3	121530	280044	2.99%	0.198%
18	15.433	2174	2184	2189	rVV	2149576	3172087	33.91%	2.246%
19	15.480	2189	2192	2198	rVV3	104242	229678	2.46%	0.163%
20	15.545	2198	2203	2210	rVB	669196	960117	10.26%	0.680%
21	16.157	2302	2307	2316	rBV3	194501	326262	3.49%	0.231%
22	16.486	2356	2363	2368	rBV3	140577	338505	3.62%	0.240%
23	16.998	2446	2450	2458	rVB	214630	348262	3.72%	0.247%
24	17.180	2475	2481	2485	rBV	2946698	4316082	46.13%	3.056%
25	17.221	2485	2488	2493	rVV	1613403	2273382	24.30%	1.610%
26	17.280	2493	2498	2502	rVV2	2947832	4314881	46.12%	3.055%
27	17.309	2502	2503	2508	rVV	397059	432042	4.62%	0.306%
28	17.374	2508	2514	2519	rVV2	160415	342729	3.66%	0.243%
29	17.762	2575	2580	2588	rVB	400304	572606	6.12%	0.405%
30	17.904	2599	2604	2609	rVB	244547	427908	4.57%	0.303%
31	18.056	2624	2630	2634	rVV	1110937	1970748	21.07%	1.395%
32	18.104	2634	2638	2644	rVB	1416886	2071032	22.14%	1.466%
33	18.186	2647	2652	2656	rBV	267450	409929	4.38%	0.290%
34	18.245	2656	2662	2666	rVV2	1137471	2030329	21.70%	1.437%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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	18.286	2666	2669	2677	rVB	890460	1234642	13.20%	0.874%
36	18.451	2693	2697	2702	rVB2	242078	367593	3.93%	0.260%
37	18.556	2710	2715	2718	rBV2	438283	615590	6.58%	0.436%
38	18.598	2718	2722	2733	rVB2	428746	984451	10.52%	0.697%
39	18.774	2748	2752	2754	rBV	235024	321244	3.43%	0.227%
40	18.803	2754	2757	2761	rVV	437378	571468	6.11%	0.405%
41	18.856	2761	2766	2769	rVV	693107	951099	10.17%	0.673%
42	18.892	2769	2772	2776	rVB2	561439	720233	7.70%	0.510%
43	18.974	2777	2786	2790	rBV	1625902	2638963	28.21%	1.868%
44	19.027	2790	2795	2799	rVV3	622588	1247618	13.34%	0.883%
45	19.068	2799	2802	2805	rVB	520836	626360	6.70%	0.443%
46	19.109	2805	2809	2816	rBV3	611130	1292105	13.81%	0.915%
47	19.239	2826	2831	2837	rVB	2694422	3539376	37.83%	2.506%
48	19.303	2837	2842	2845	rBV	341491	523998	5.60%	0.371%
49	19.339	2845	2848	2853	rVV3	288229	531536	5.68%	0.376%
50	19.386	2853	2856	2860	rVV2	353424	492525	5.26%	0.349%
51	19.433	2861	2864	2868	rVV	233896	298367	3.19%	0.211%
52	19.480	2868	2872	2875	rVV2	355687	484755	5.18%	0.343%
53	19.515	2875	2878	2882	rVB3	244574	340591	3.64%	0.241%
54	19.574	2882	2888	2890	rBV	4400836	6216366	66.45%	4.401%
55	19.603	2890	2893	2901	rVB	4023660	5846971	62.50%	4.140%
56	19.680	2901	2906	2911	rVB2	822704	1269718	13.57%	0.899%
57	19.733	2911	2915	2916	rBV2	174091	219295	2.34%	0.155%
58	19.768	2916	2921	2923	rVV2	256080	451877	4.83%	0.320%
59	19.797	2924	2926	2929	rVV2	222697	227836	2.44%	0.161%
60	19.839	2929	2933	2939	rVB4	391177	681021	7.28%	0.482%
61	19.927	2942	2948	2958	rBV5	715184	1901492	20.33%	1.346%
62	20.015	2958	2963	2966	rBV3	274997	450271	4.81%	0.319%
63	20.062	2966	2971	2973	rBV3	576168	955046	10.21%	0.676%
64	20.092	2973	2976	2981	rVB	867601	1304473	13.94%	0.924%
65	20.168	2985	2989	2990	rBV2	189248	225911	2.41%	0.160%
66	20.197	2990	2994	2998	rVB2	370392	481597	5.15%	0.341%
67	20.256	2999	3004	3008	rBV	1150598	1532958	16.39%	1.085%
68	20.392	3023	3027	3031	rBV	1033827	1318723	14.10%	0.934%
69	20.439	3031	3035	3039	rVV	945539	1196123	12.79%	0.847%
70	20.480	3039	3042	3048	rVB3	260046	385302	4.12%	0.273%
71	20.556	3052	3055	3060	rVB2	237454	324585	3.47%	0.230%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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	20.686	3074	3077	3080	rVV2	207475	301774	3.23%	0.214%
73	20.845	3100	3104	3110	rVB	643706	1098579	11.74%	0.778%
74	20.933	3116	3119	3123	rVB	353185	434114	4.64%	0.307%
75	20.986	3124	3128	3130	rBV2	480204	712012	7.61%	0.504%
76	21.009	3130	3132	3136	rVV2	648710	828244	8.85%	0.586%
77	21.050	3136	3139	3141	rVV	286193	279529	2.99%	0.198%
78	21.080	3141	3144	3149	rVV3	646894	890110	9.51%	0.630%
79	21.362	3185	3192	3196	rBV2	5123819	9355428	100.00%	6.624%
80	21.397	3196	3198	3208	rVB	2202942	2781659	29.73%	1.969%
81	21.480	3208	3212	3215	rVB2	405073	511347	5.47%	0.362%
82	21.521	3216	3219	3223	rBV4	220356	414596	4.43%	0.294%
83	21.568	3223	3227	3241	rVB7	490292	1564098	16.72%	1.107%
84	21.727	3251	3254	3257	rVB2	254128	296153	3.17%	0.210%
85	21.862	3274	3277	3280	rBV	264268	301572	3.22%	0.214%
86	21.921	3280	3287	3291	rVV	1064680	1855394	19.83%	1.314%
87	21.974	3292	3296	3300	rVB	691304	976987	10.44%	0.692%
88	22.115	3317	3320	3324	rBV	489037	671590	7.18%	0.475%
89	22.221	3335	3338	3343	rVB2	280440	408240	4.36%	0.289%
90	22.433	3370	3374	3385	rVB5	372531	1005196	10.74%	0.712%
91	22.527	3387	3390	3393	rBV	162989	252891	2.70%	0.179%
92	22.956	3457	3463	3468	rBV2	1349275	3162280	33.80%	2.239%
93	23.127	3489	3492	3499	rVB	328354	532886	5.70%	0.377%
94	23.438	3540	3545	3549	rBV	933412	1779556	19.02%	1.260%
95	23.491	3549	3554	3559	rVV2	3282992	6535080	69.85%	4.627%
96	23.538	3559	3562	3569	rVB	1590814	2612652	27.93%	1.850%
97	23.638	3572	3579	3585	rBV	3010990	5928975	63.37%	4.198%
98	24.191	3668	3673	3682	rVB2	494897	1017513	10.88%	0.720%
99	25.927	3962	3968	3982	rVB2	617373	1769633	18.92%	1.253%
100	26.632	4082	4088	4098	rVB2	510469	1479103	15.81%	1.047%

Sum of corrected areas: 141242576

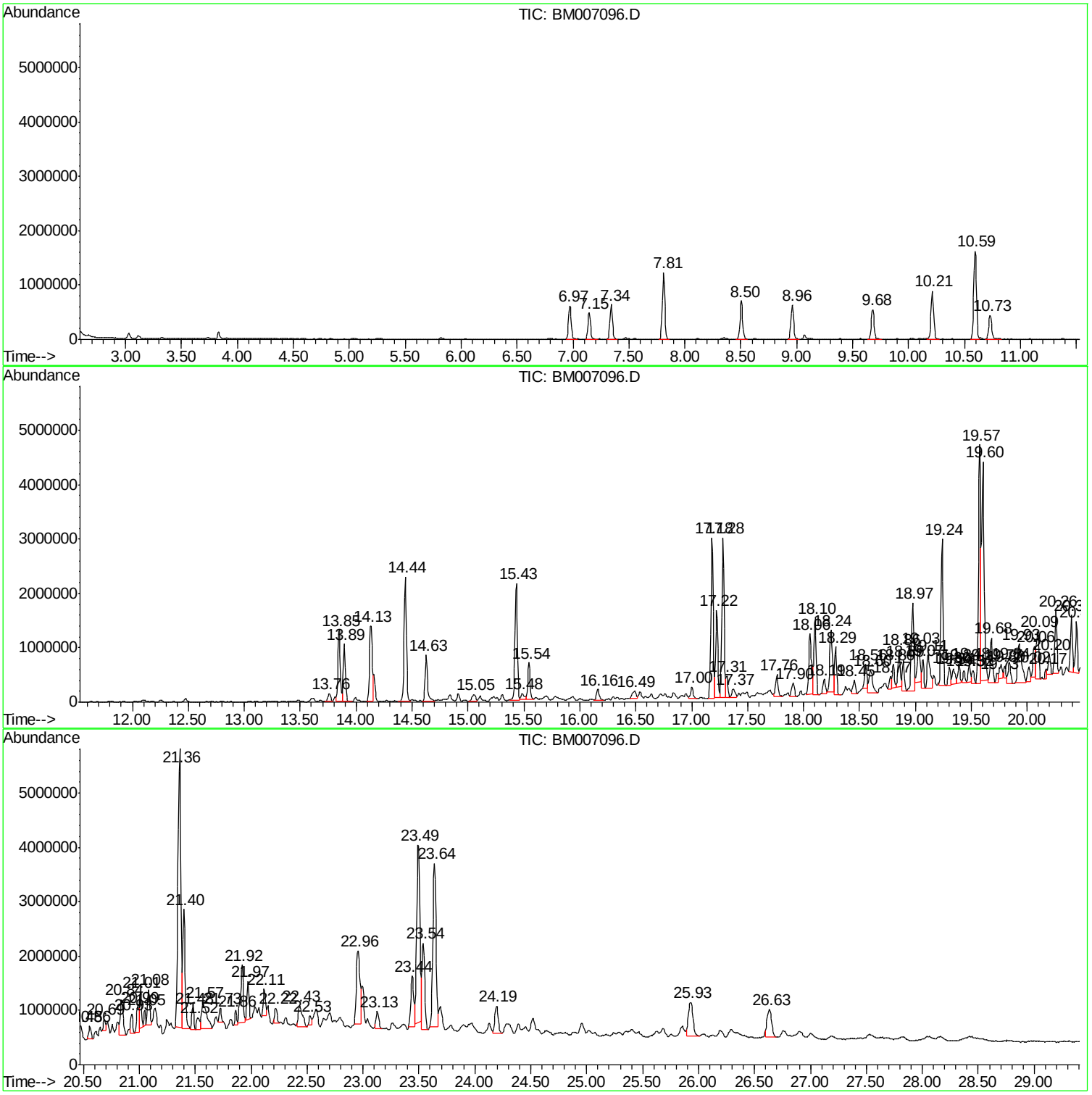
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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 : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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

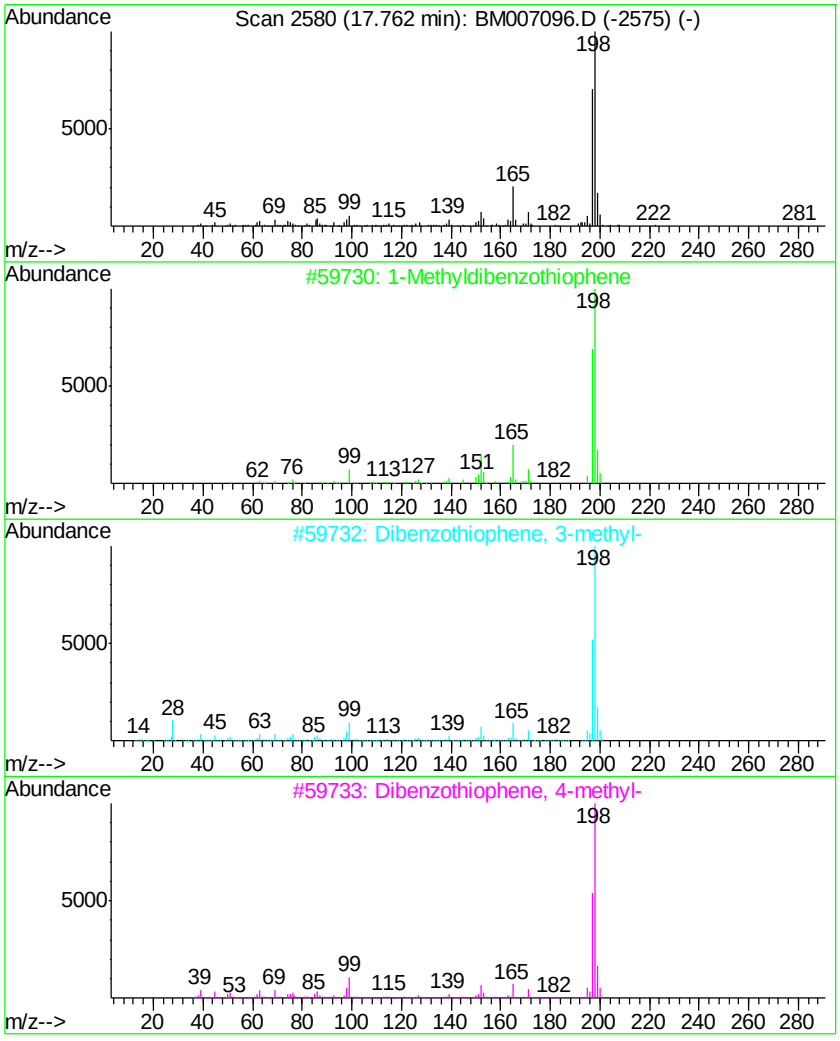
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

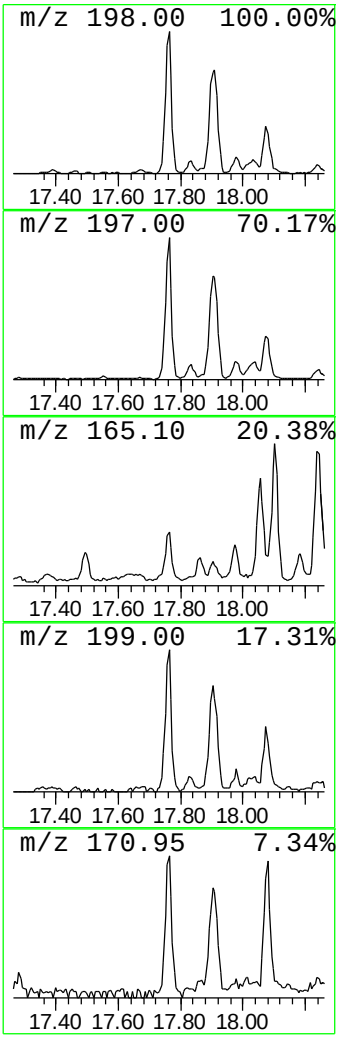
****

Peak Number 1 1-Methyldibenzothiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	2.65 ng/ul	572606	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Tacrine	198	C13H14N2	000321-64-2	72
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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

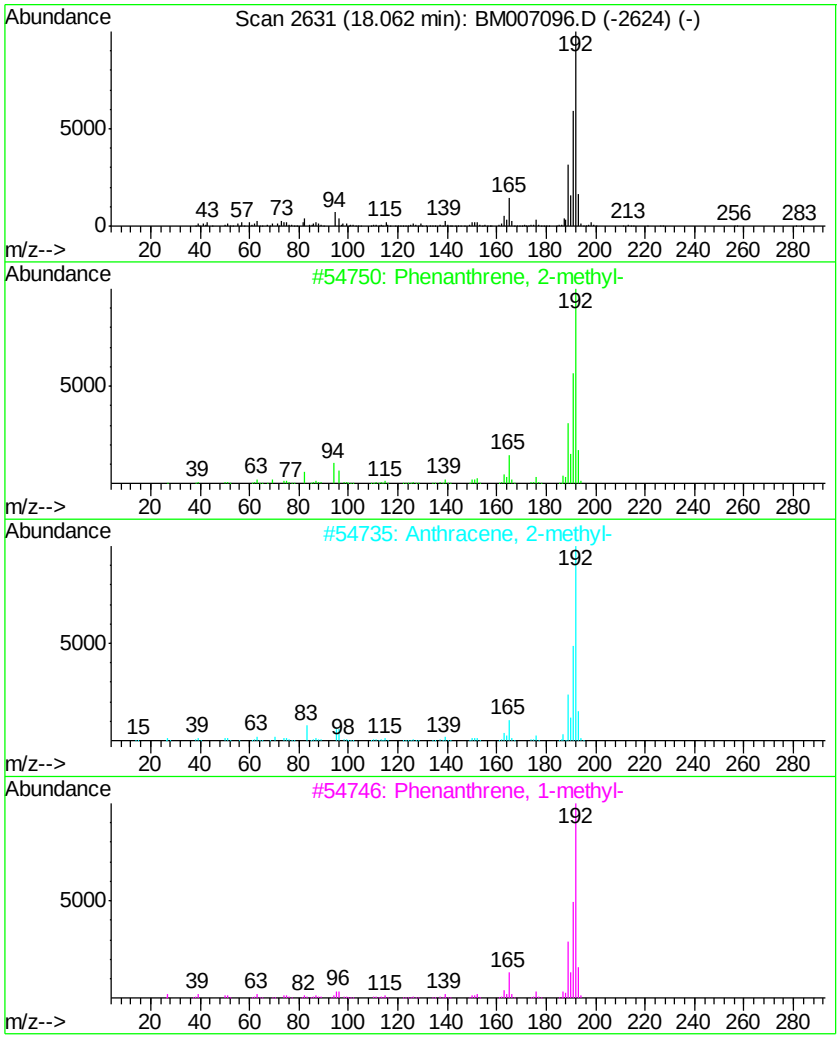
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

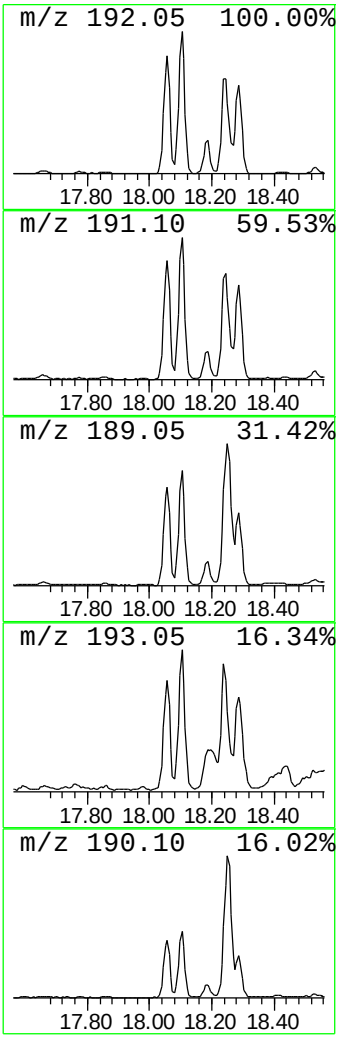
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	9.13 ng/ul	1970750	Phenanthrene-d10	17.18

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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

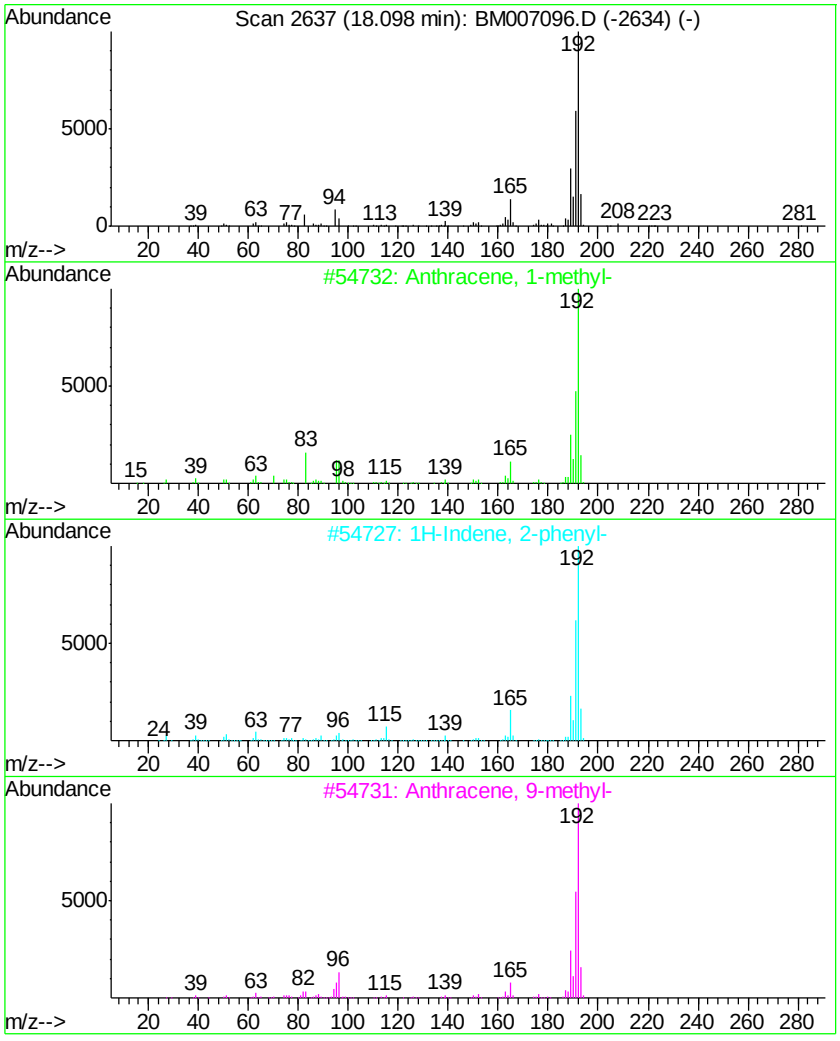
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

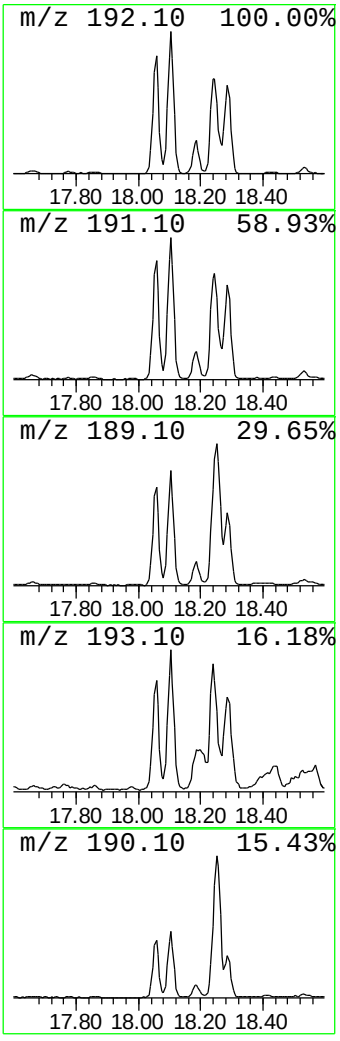
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	9.60 ng/ul	2071030	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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

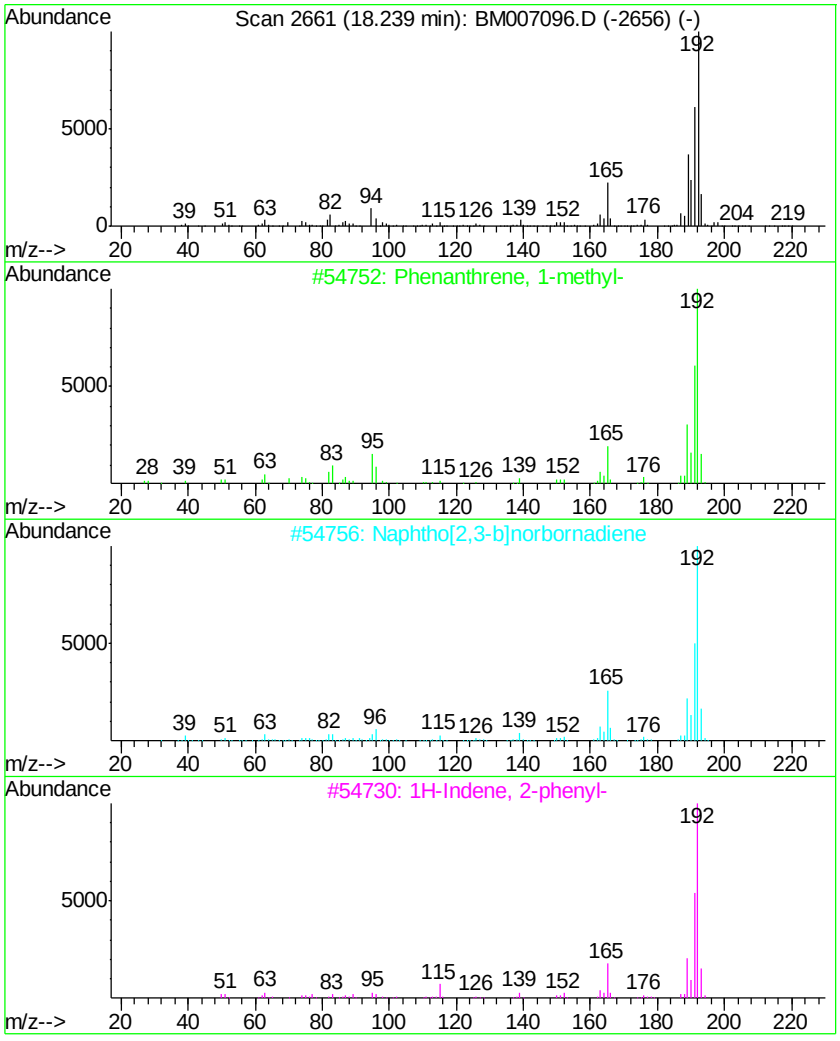
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

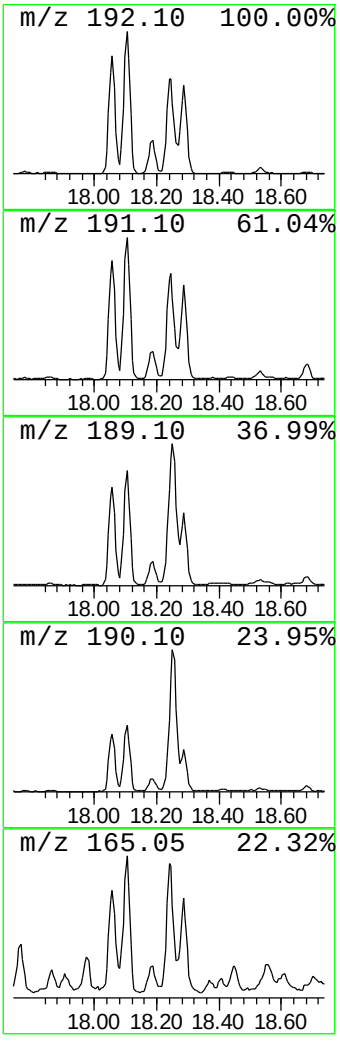
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	9.41 ng/ul	2030330	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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

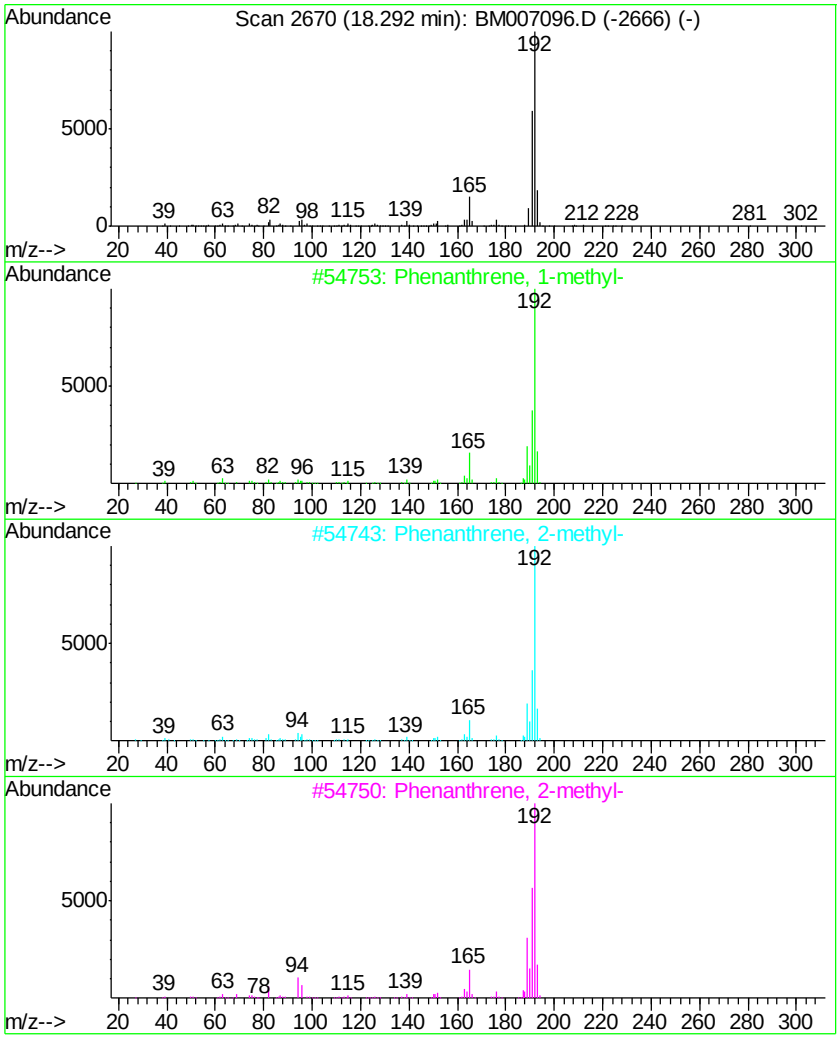
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

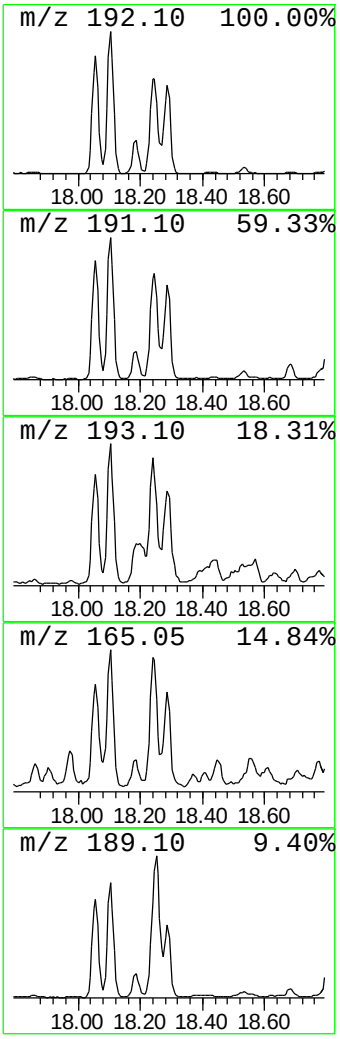
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	5.72 ng/ul	1234640	Phenanthrene-d10	17.18

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





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Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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Quant Title : SVOA CALIBRATION

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

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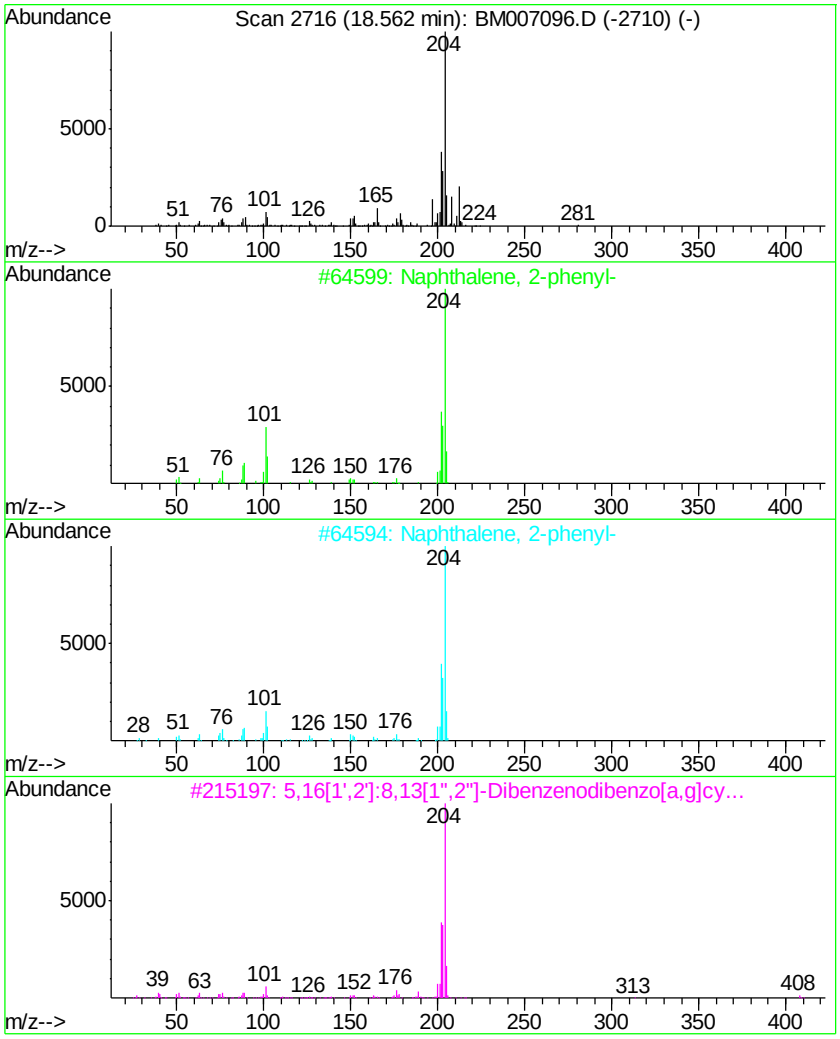
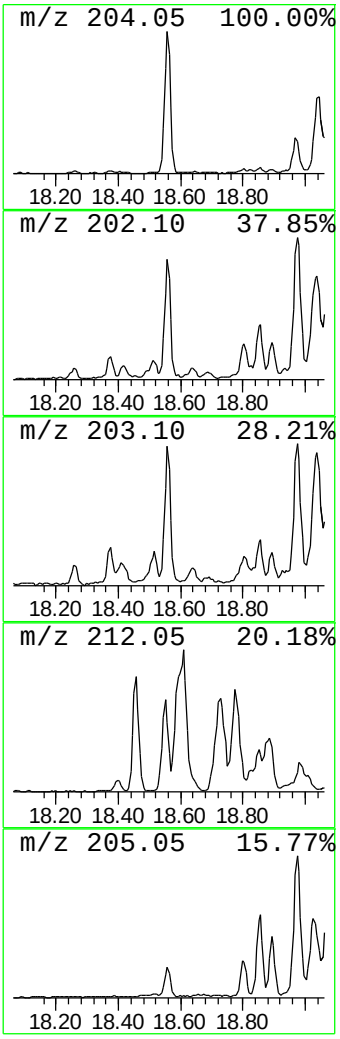
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.85 ng/ul	615590	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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ALS Vial : 61 Sample Multiplier: 1

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ClientSampleId : P003-SS001-2430-01

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Quant Title : SVOA CALIBRATION

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

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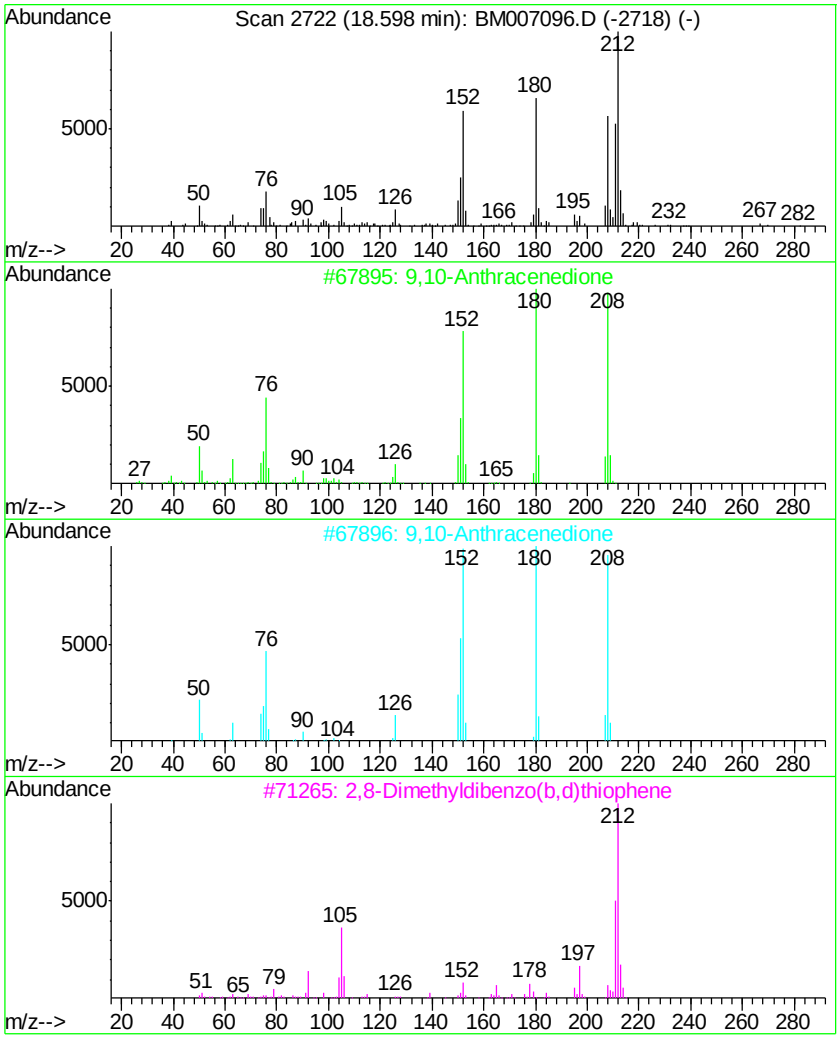
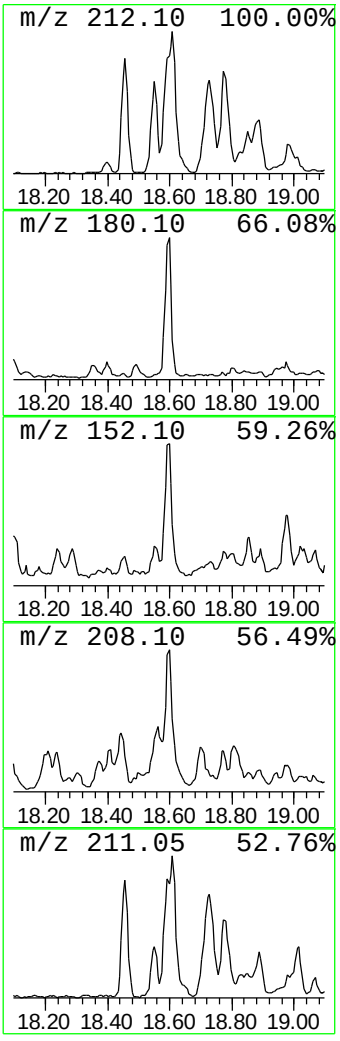
Peak Number 7 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	4.56 ng/ul	984451	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	50
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	47





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Quant Title : SVOA CALIBRATION

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

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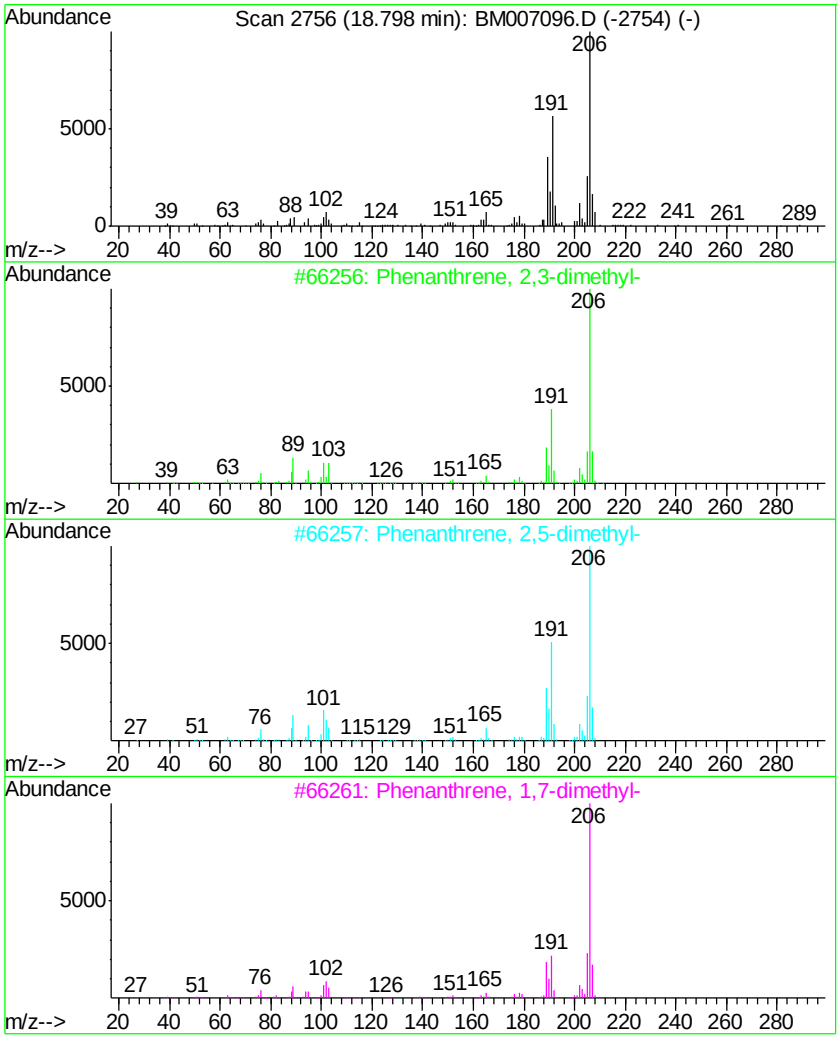
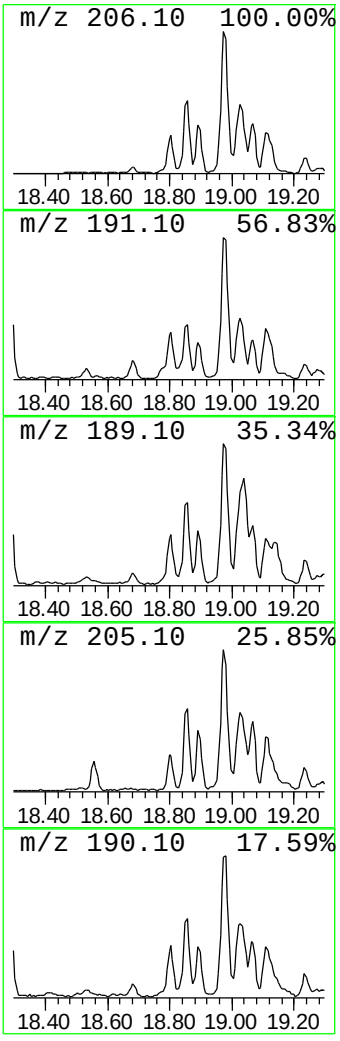
Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	2.65 ng/ul	571468	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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Quant Title : SVOA CALIBRATION

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

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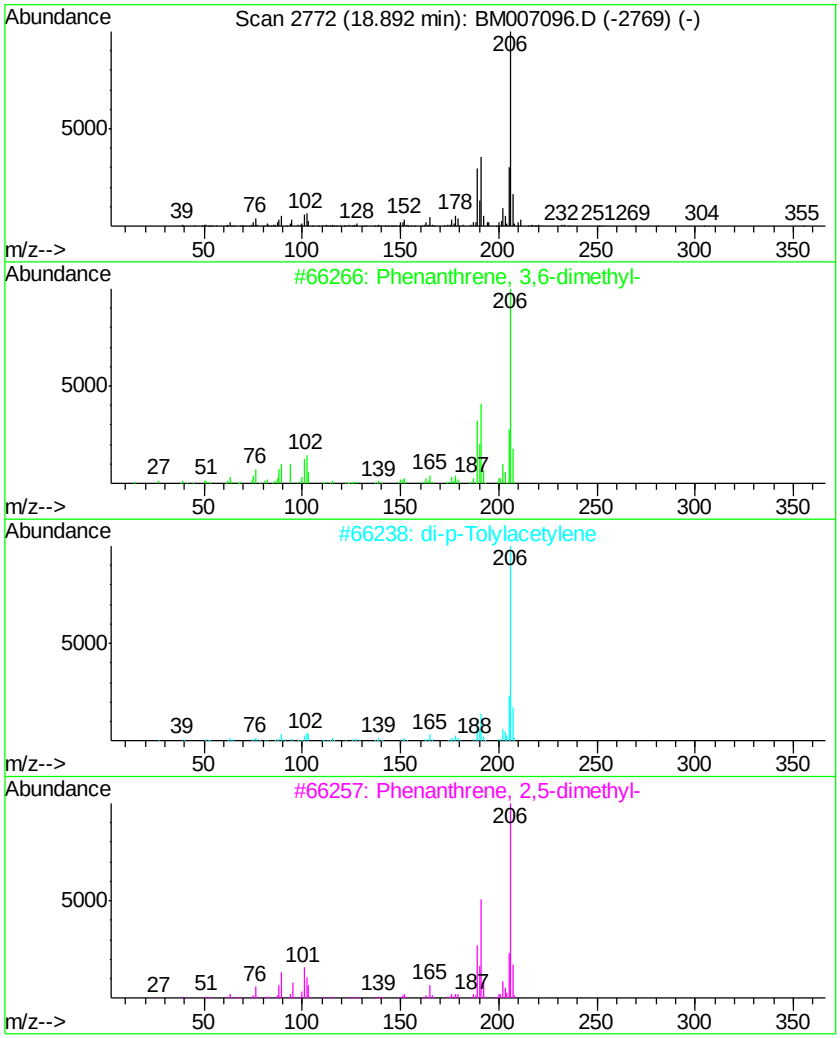
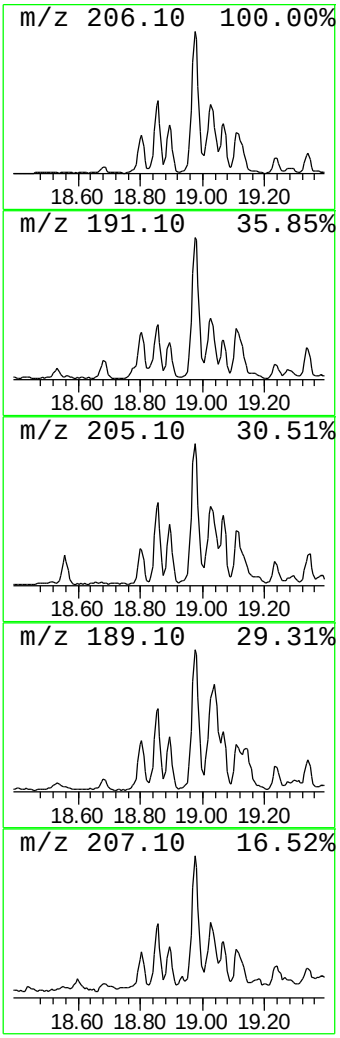
Peak Number 10 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	3.34 ng/ul	720233	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91





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Quant Title : SVOA CALIBRATION

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

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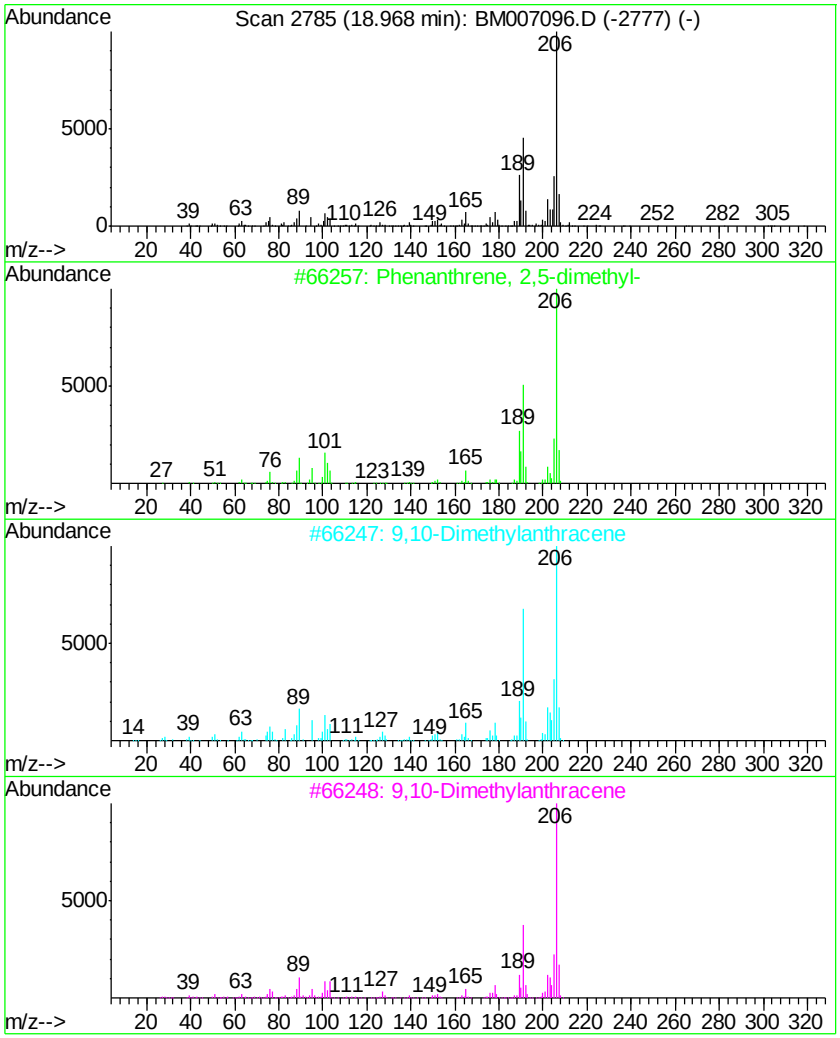
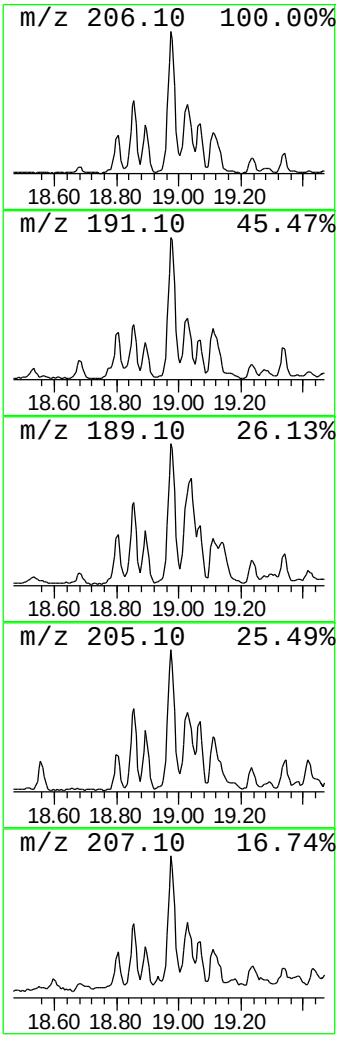
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	12.23 ng/ul	2638960	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Quant Title : SVOA CALIBRATION

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

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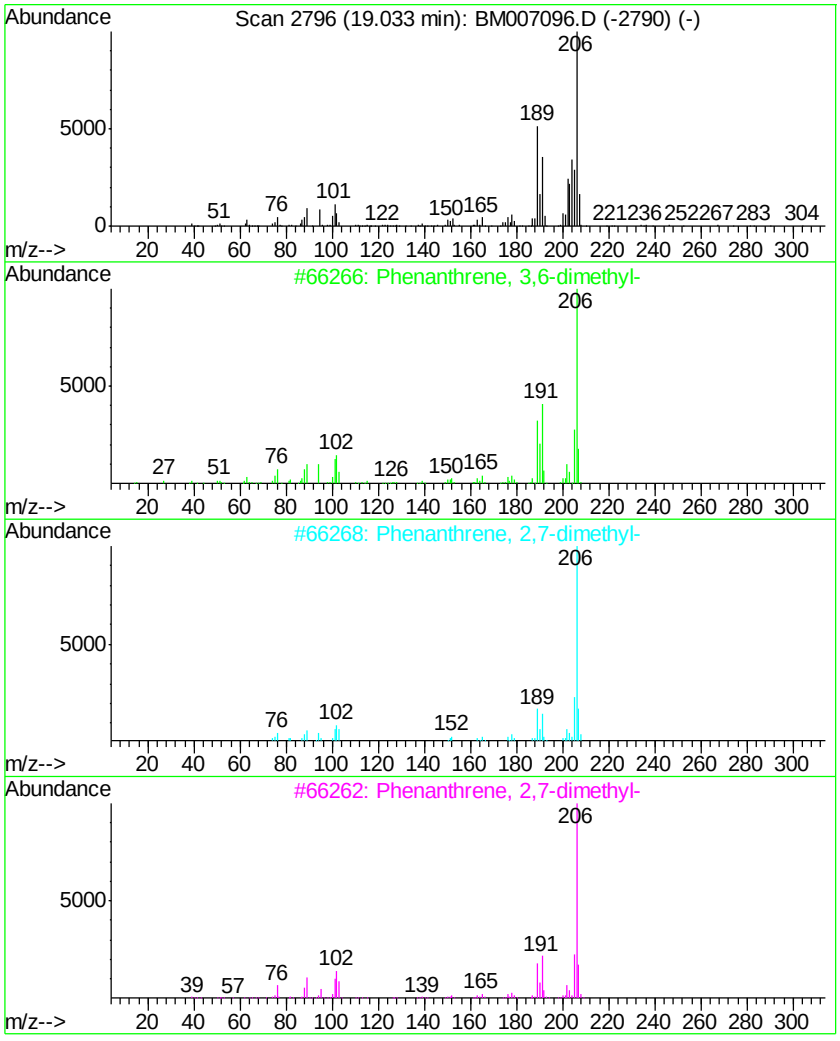
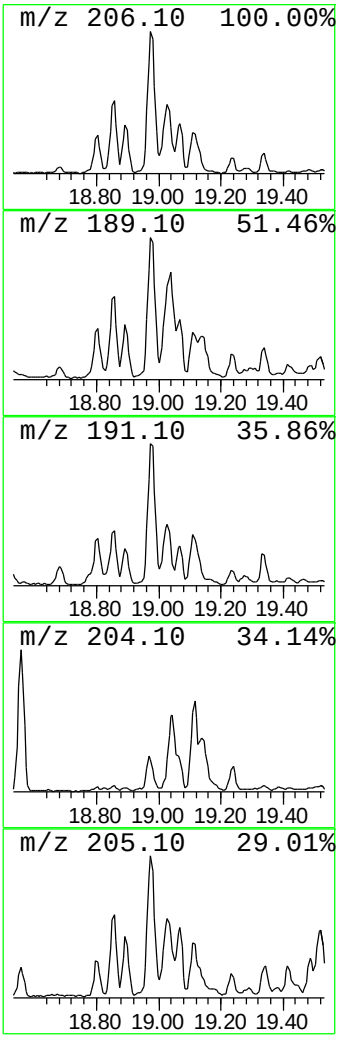
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	5.78 ng/ul	1247620	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70





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ClientSampleId : P003-SS001-2430-01

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Quant Title : SVOA CALIBRATION

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

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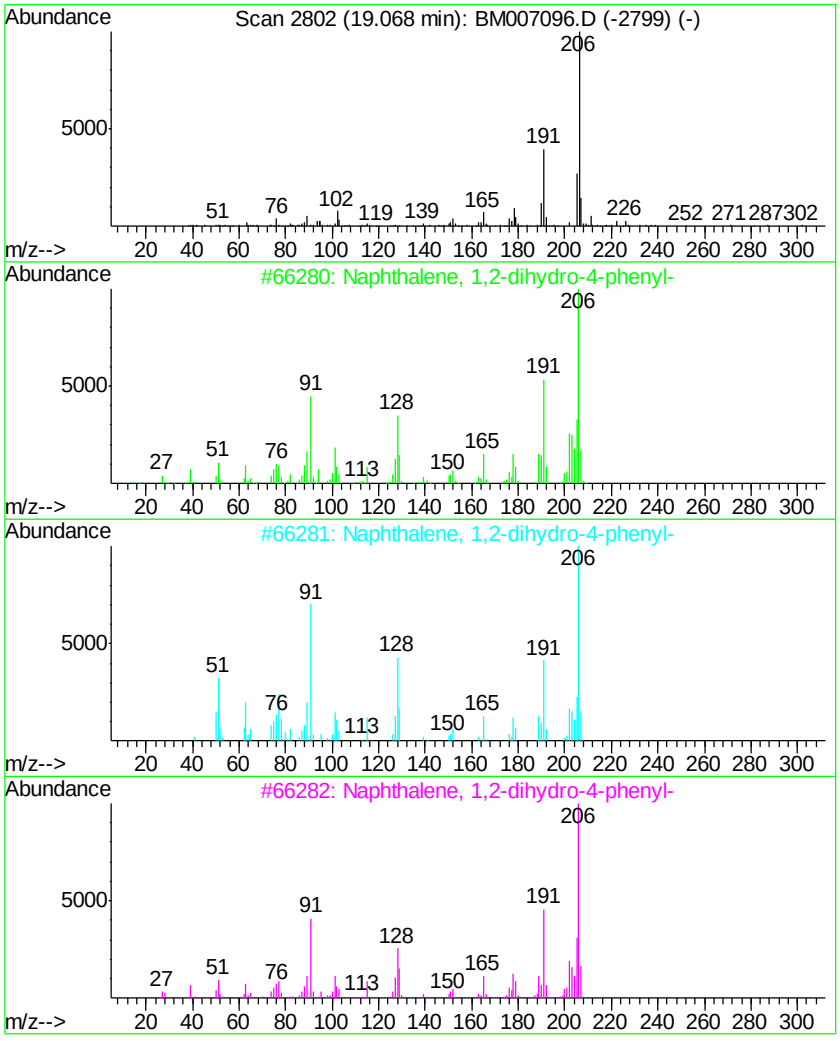
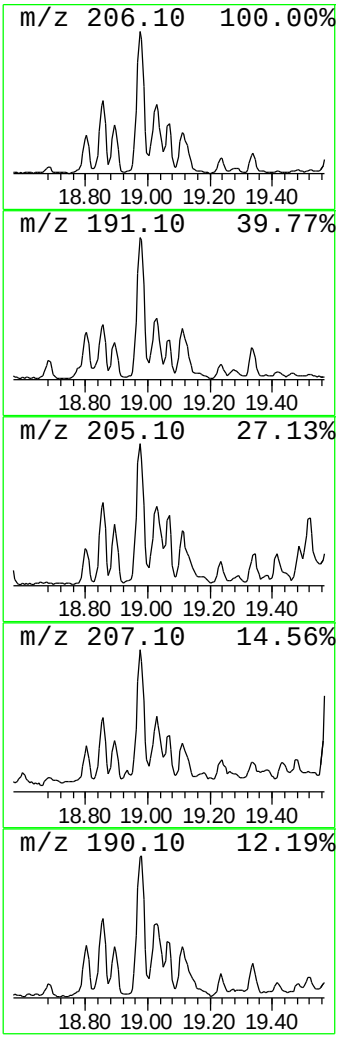
Peak Number 13 Naphthalene, 1,2-dihydro-4-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	2.90 ng/ul	626360	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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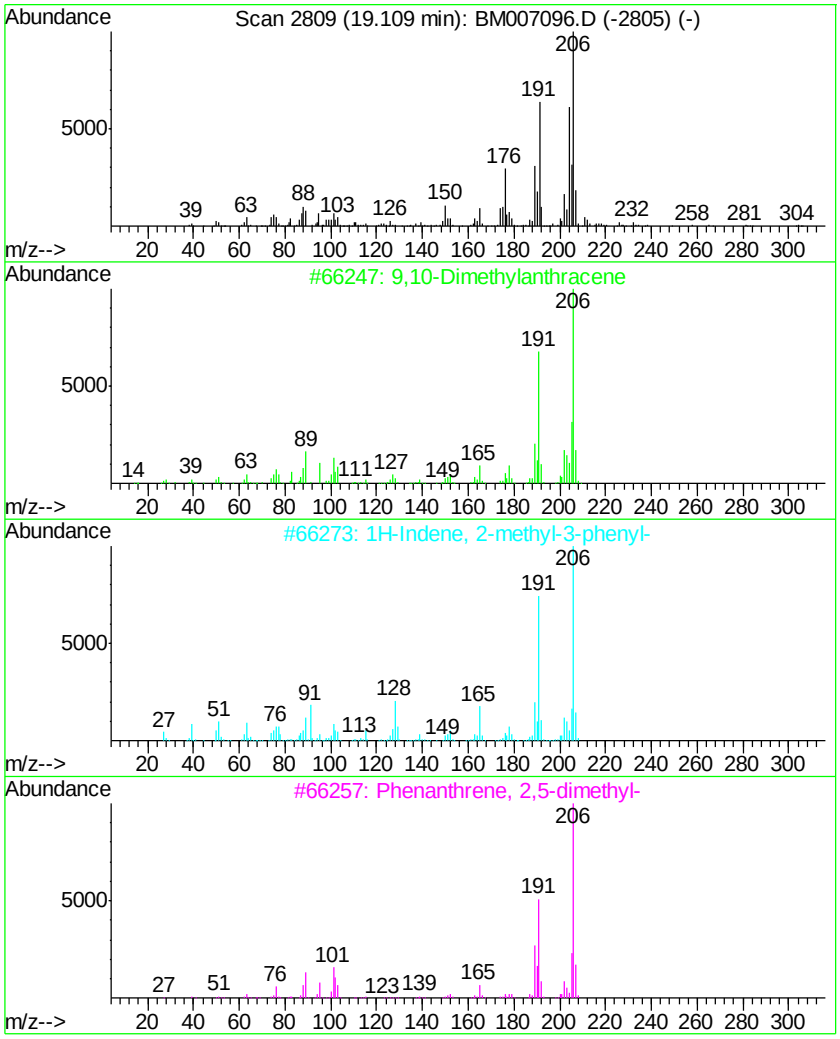
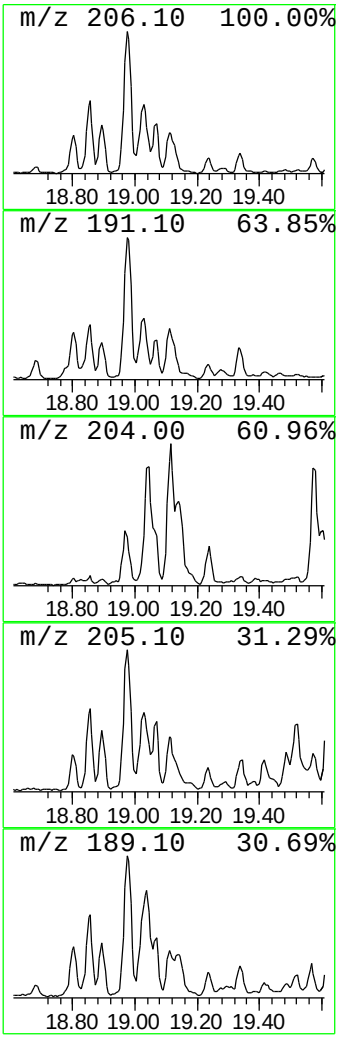
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	5.99 ng/ul	1292110	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	86
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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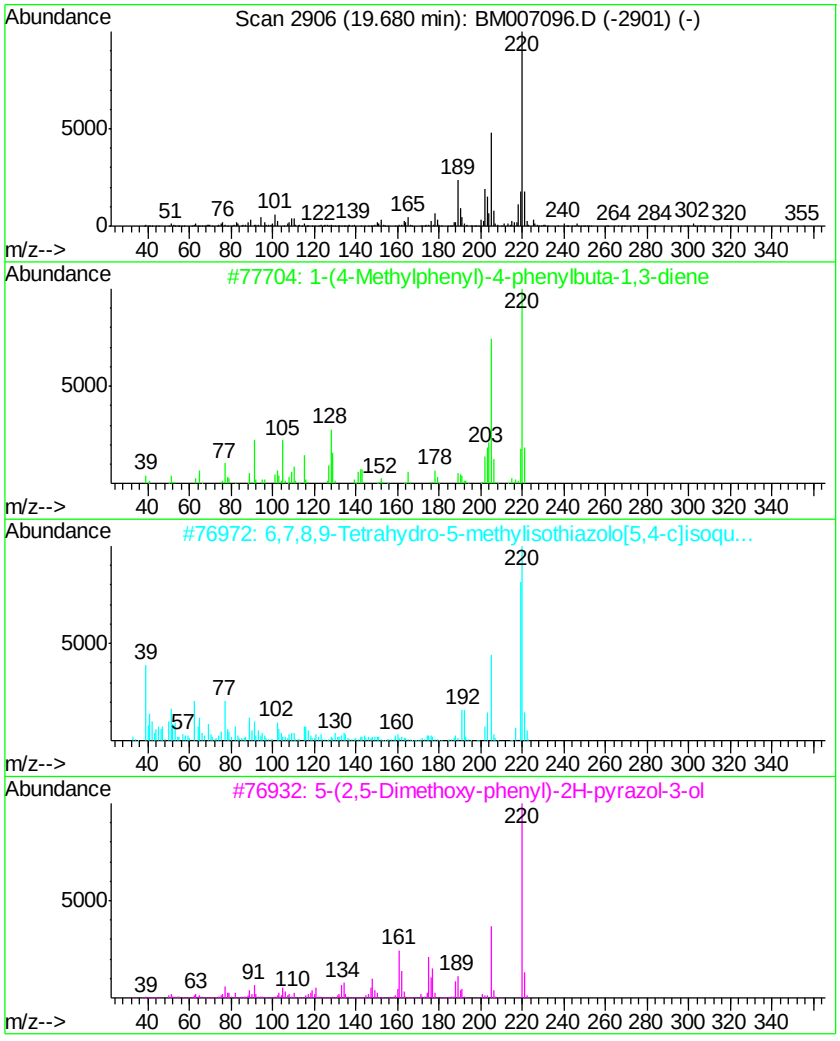
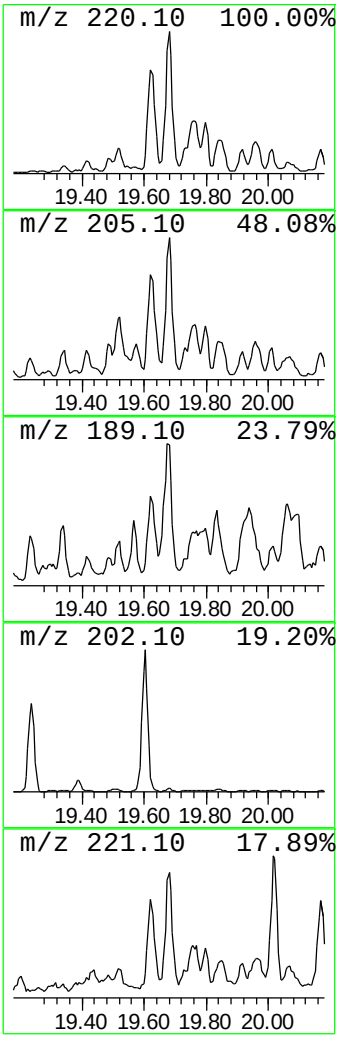
Peak Number 15 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	2.71 ng/ul	1269720	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	64
2	6,7,8,9-Tetrahydro-5-methylisoth...	220	C11H12N2OS	339156-87-5	53
3	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	53
4	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	53
5	2-Benzofurancarboxylic acid, 6-m...	220	C12H12O4	1000349-99-8	52





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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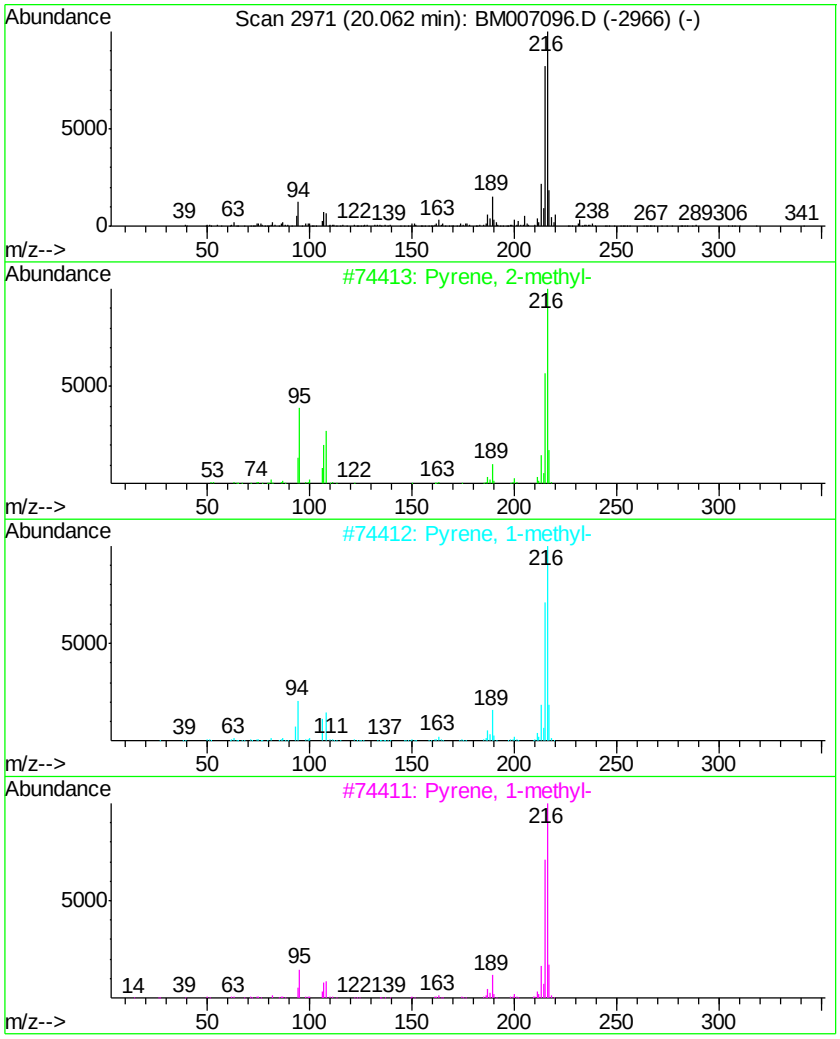
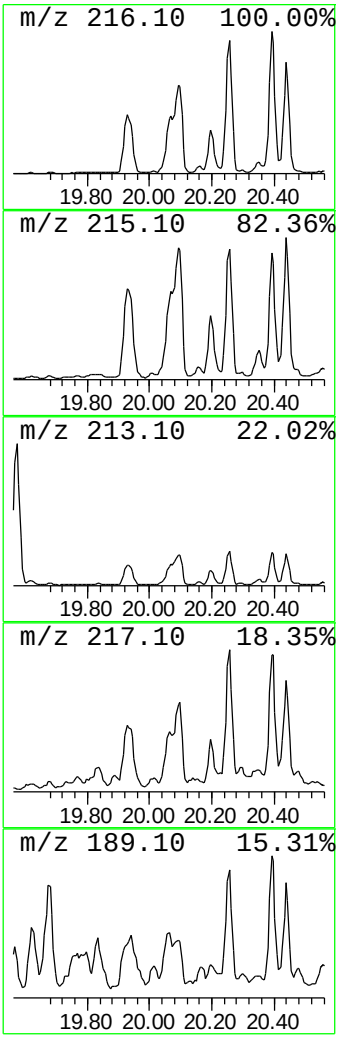
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.04 ng/ul	955046	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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TIC Integration Parameters: LSCINT.P

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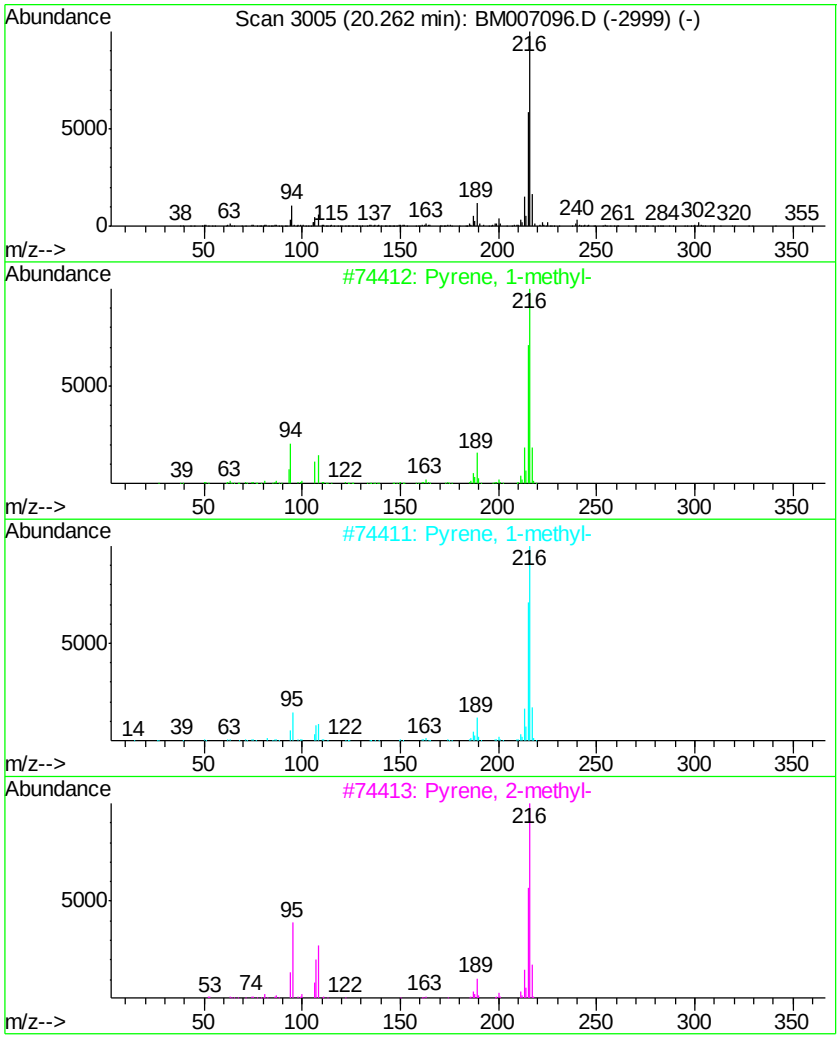
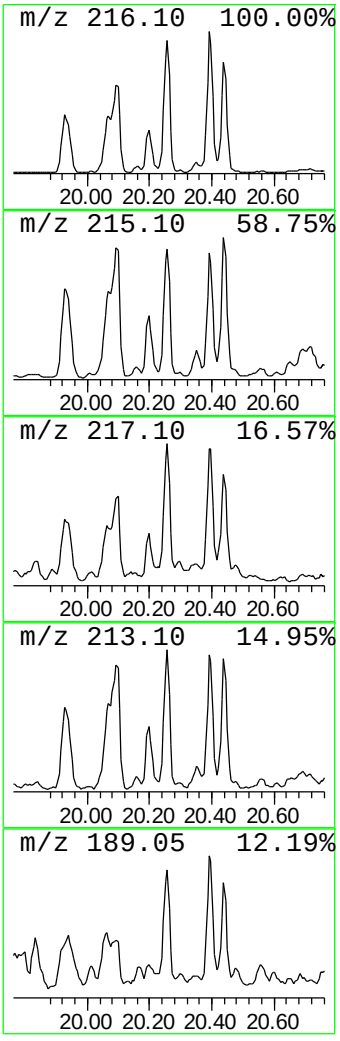
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	3.28 ng/ul	1532960	Chrysene-d12	21.36

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	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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TIC Integration Parameters: LSCINT.P

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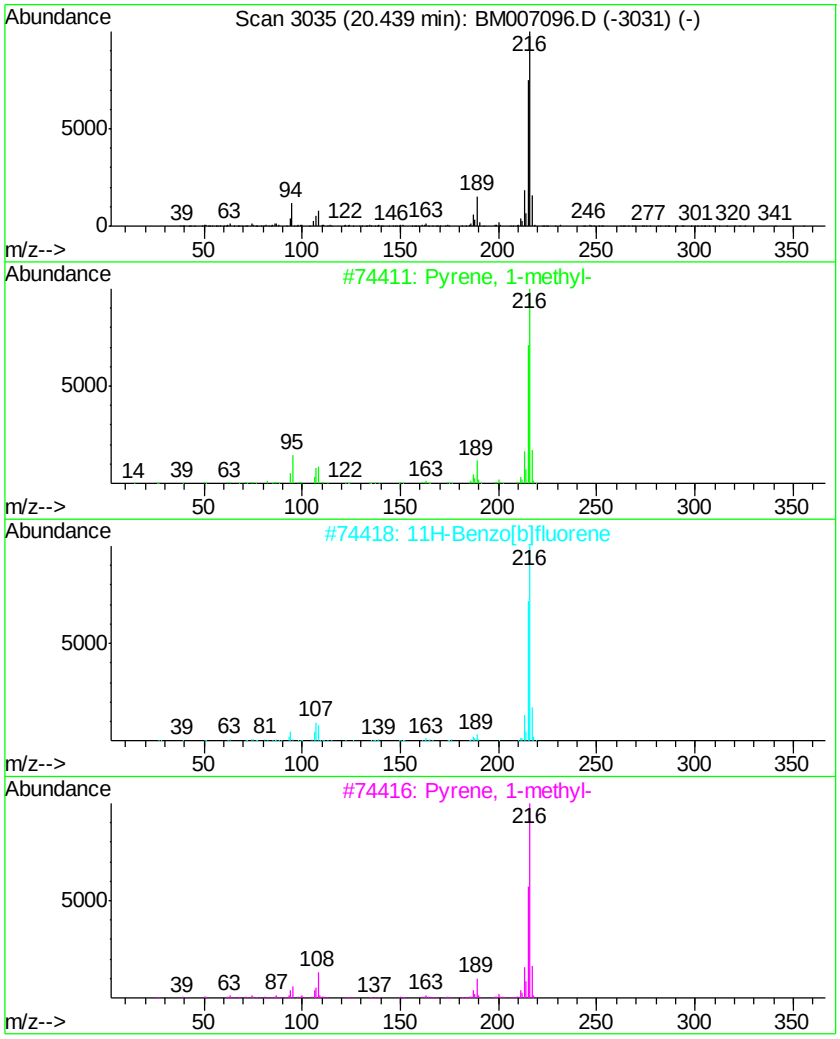
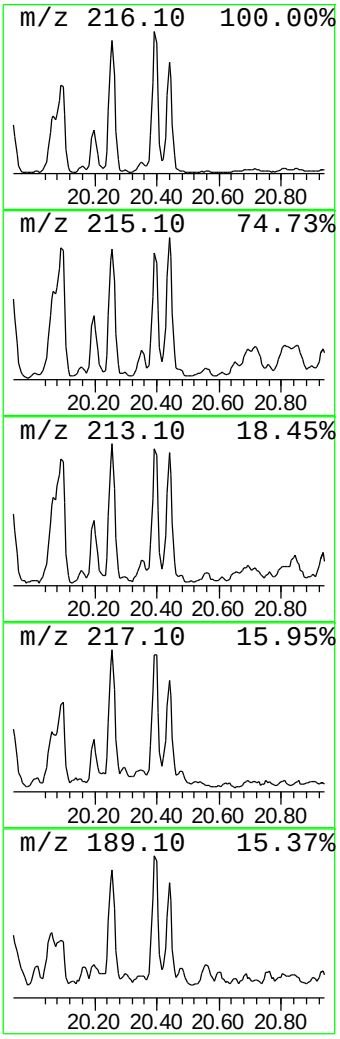
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	2.56 ng/ul	1196120	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





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Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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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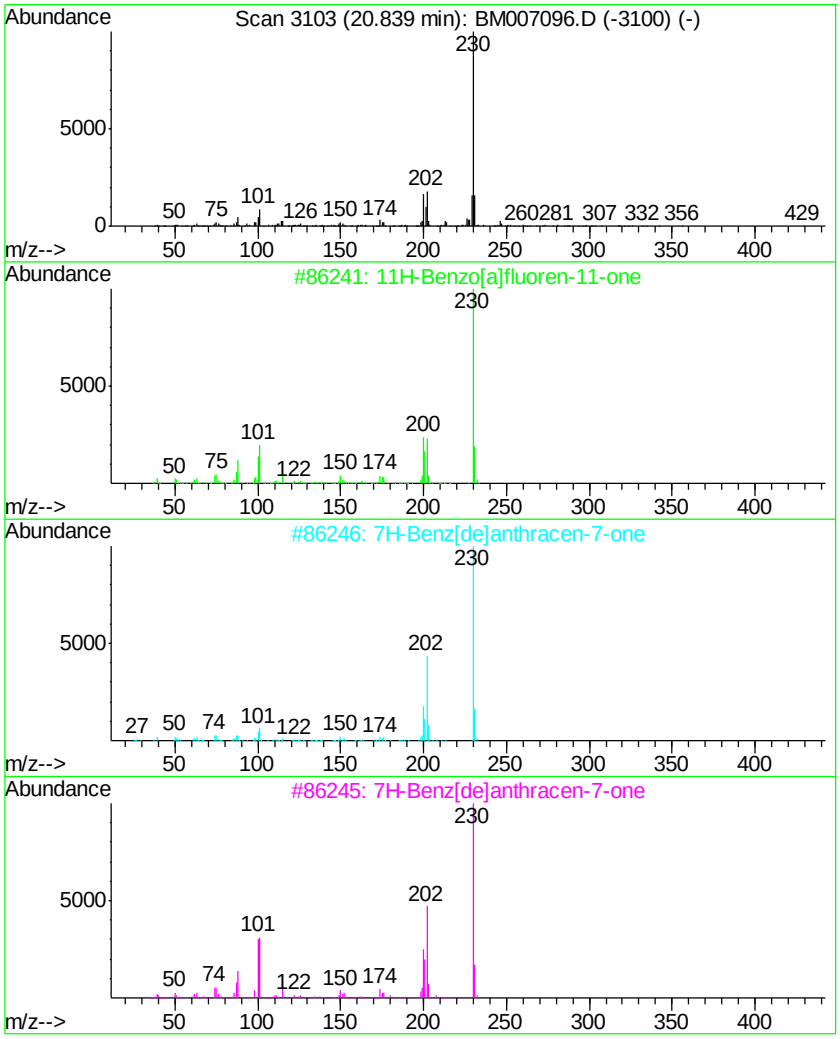
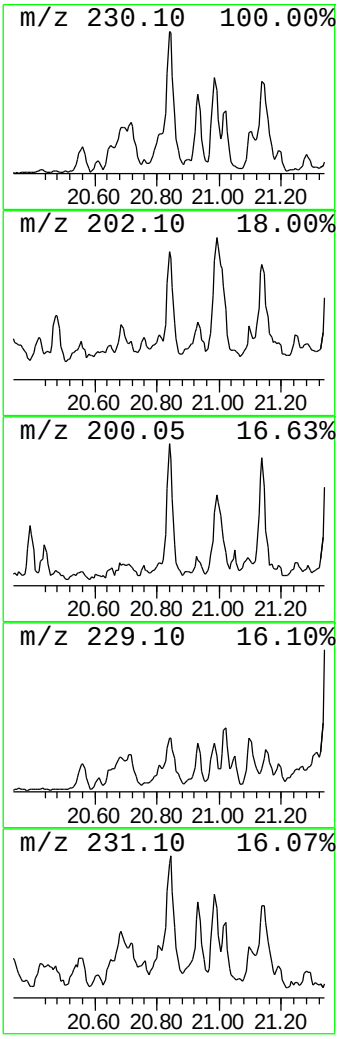
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.35 ng/ul	1098580	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
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	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





Library Search Compound Report

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Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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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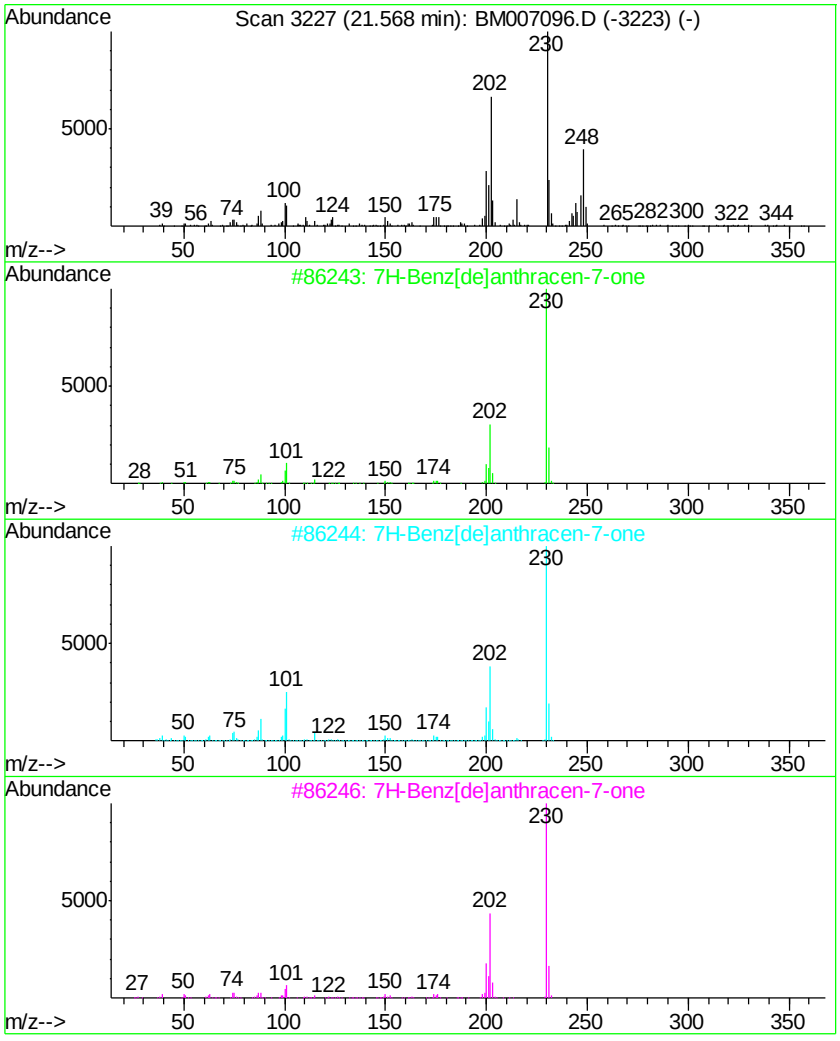
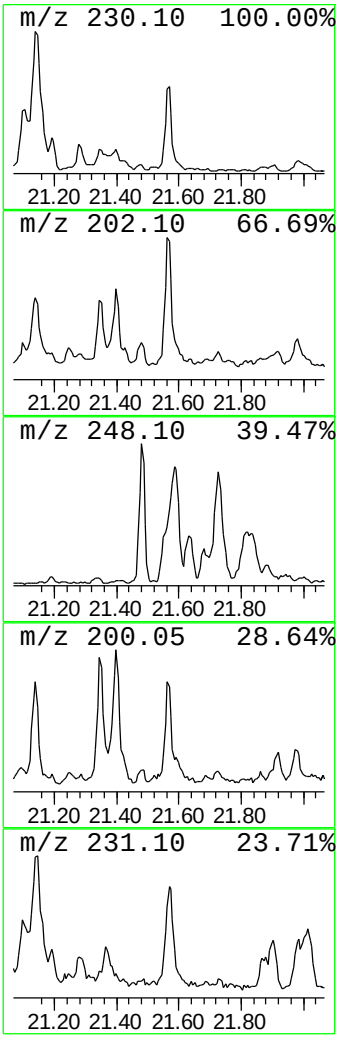
Peak Number 23 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	3.34 ng/ul	1564100	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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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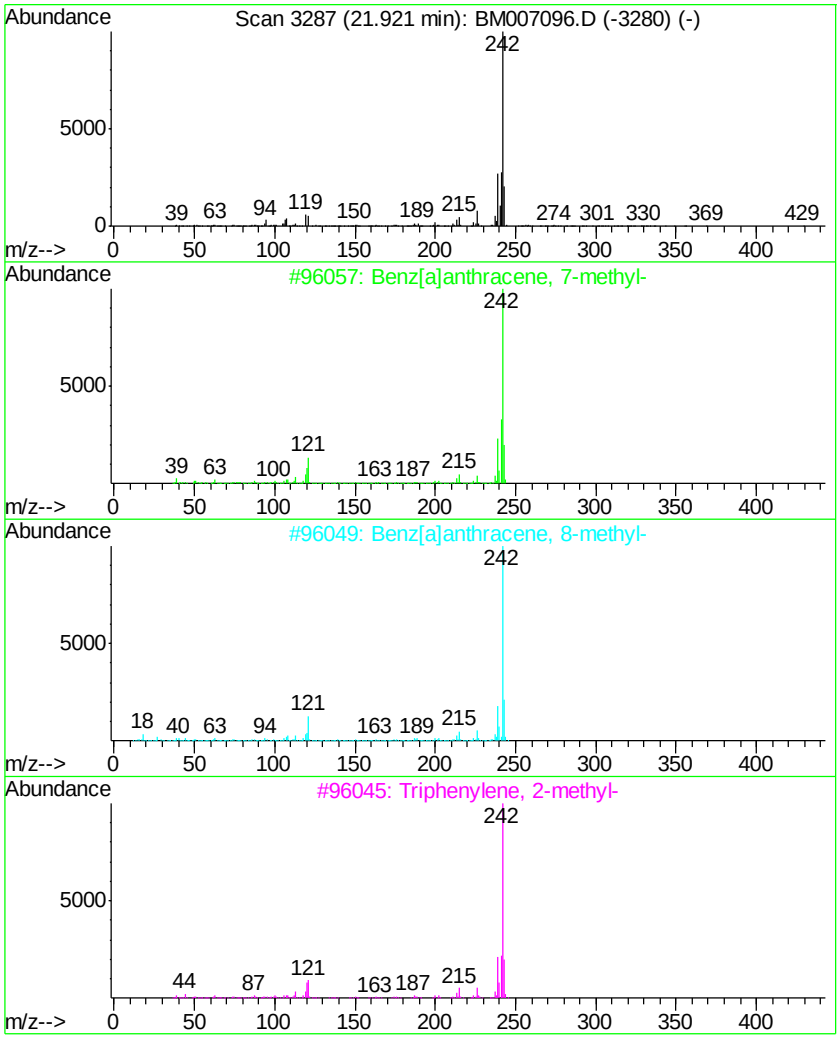
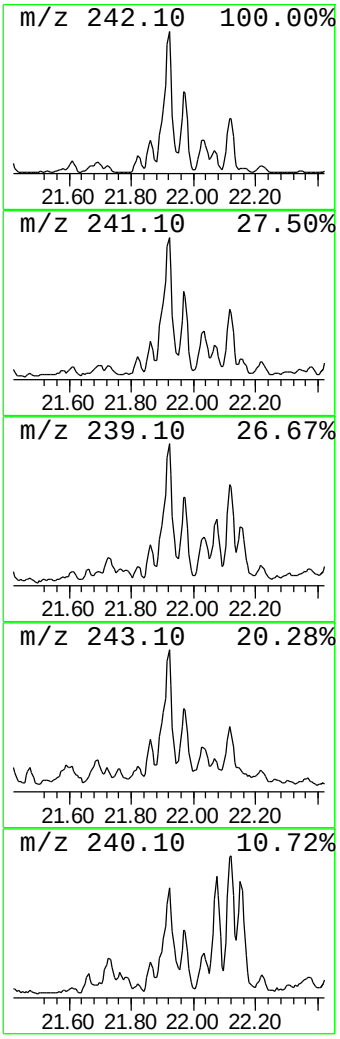
Peak Number 24 Benz[a]anthracene, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	3.97 ng/ul	1855390	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91





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Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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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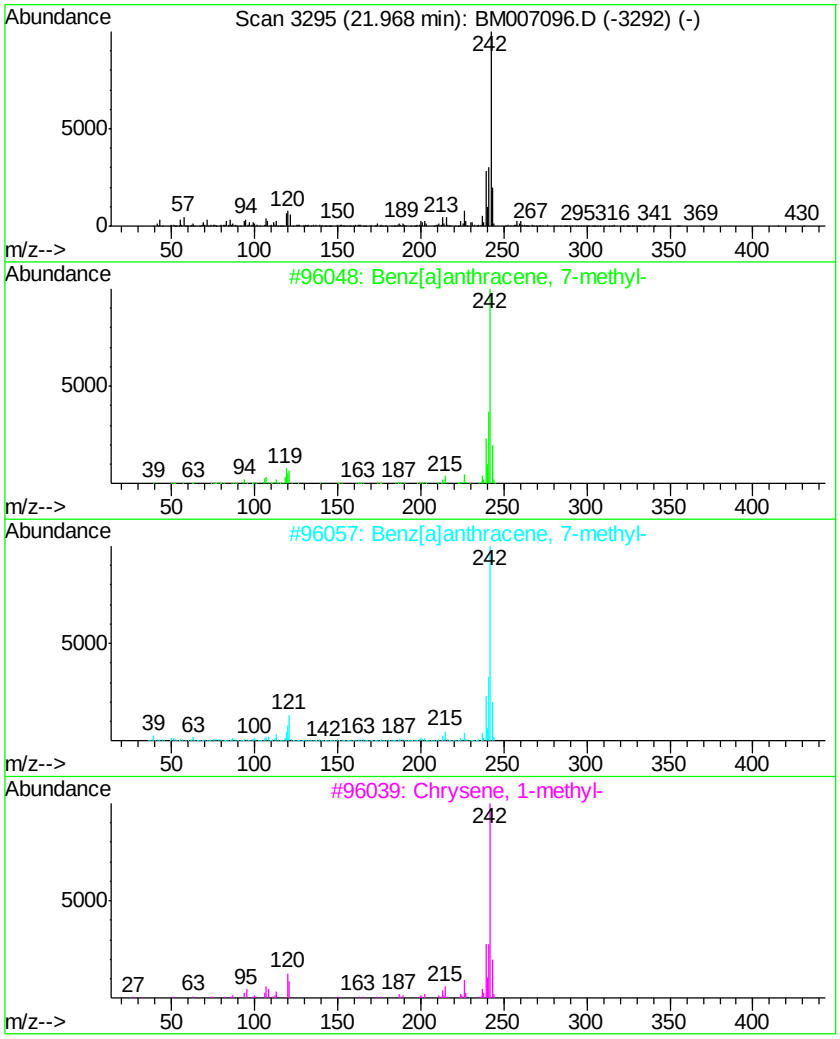
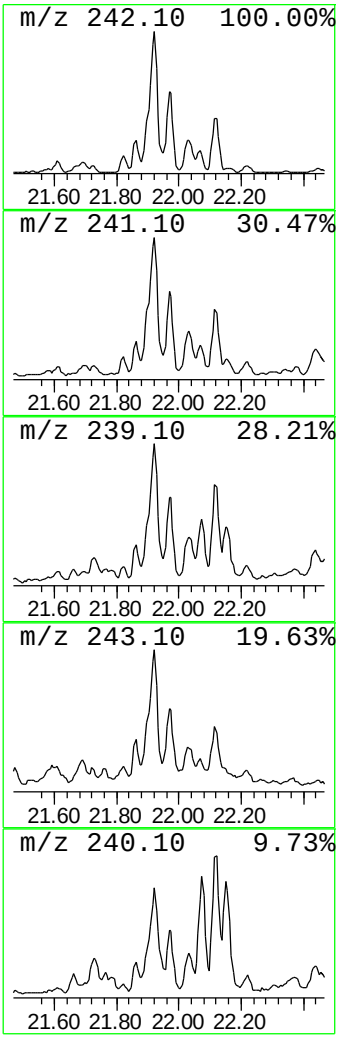
Peak Number 25 Chrysene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.09 ng/ul	976987	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	92
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89





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Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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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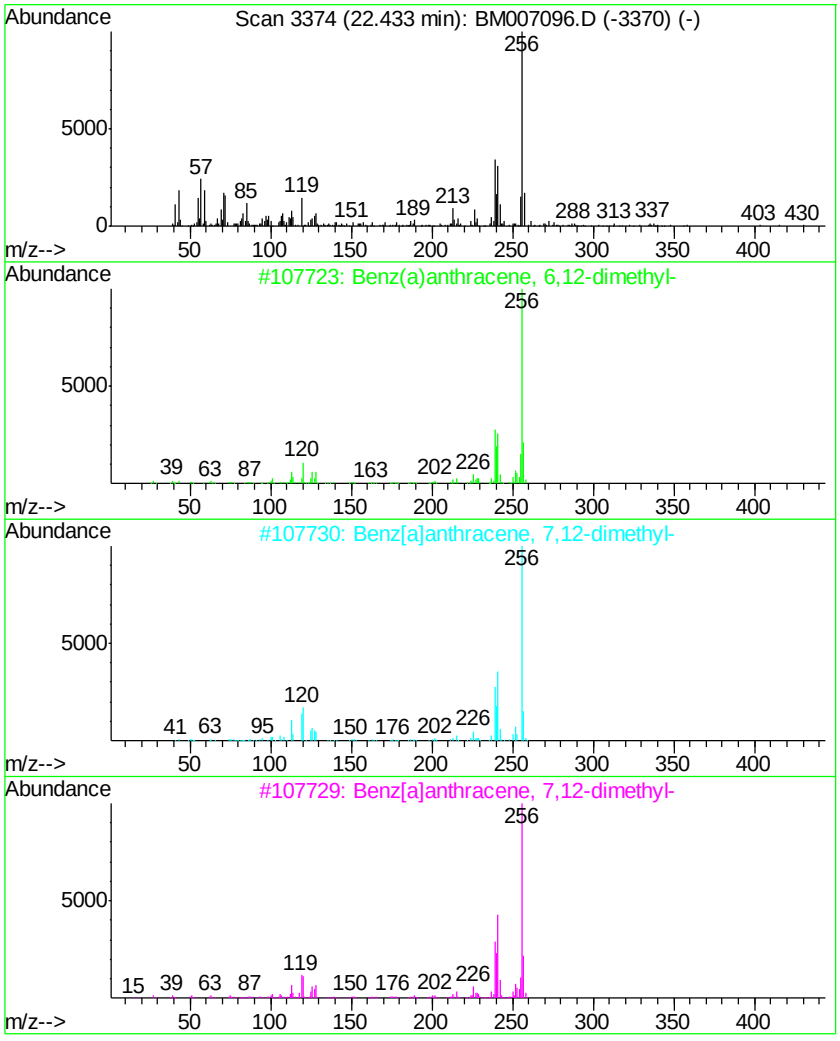
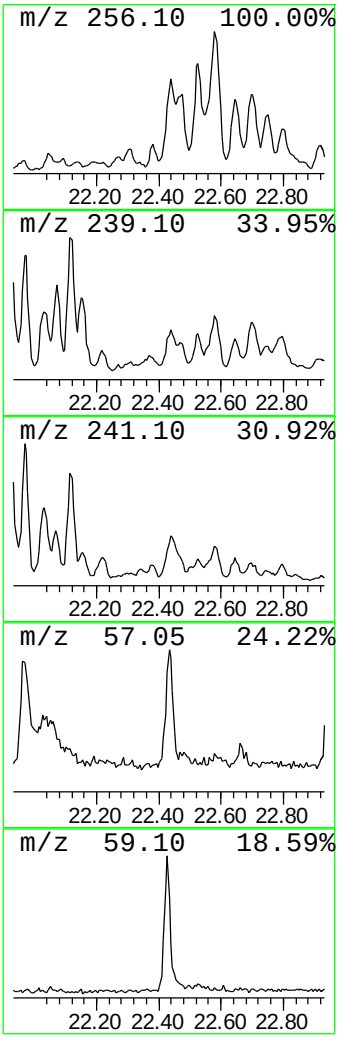
Peak Number 26 Benz(a)anthracene, 6,12-dim... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	2.15 ng/ul	1005200	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	87
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	87
3	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	83
4	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	81
5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	80





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Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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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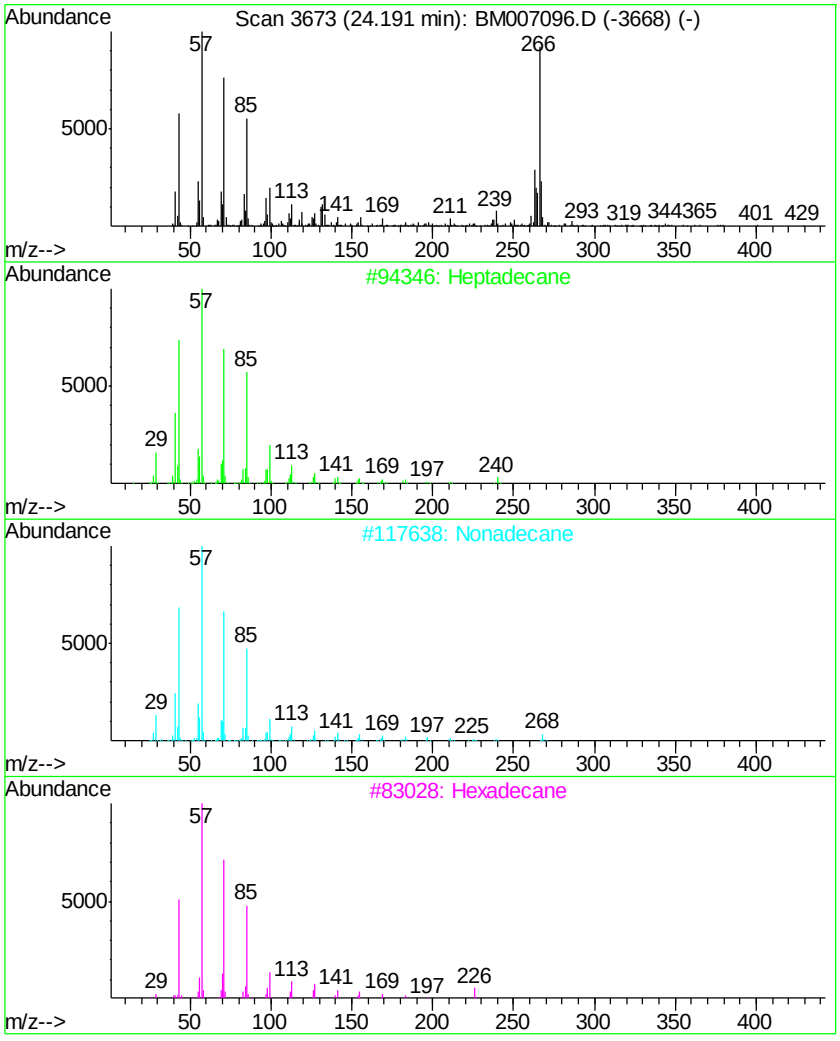
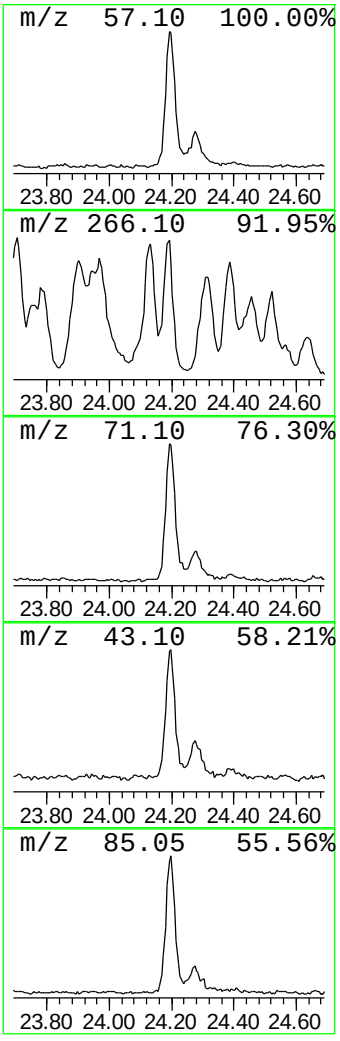
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	3.43 ng/ul	1017510	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	89
2	Nonadecane	268	C19H40	000629-92-5	86
3	Hexadecane	226	C16H34	000544-76-3	84
4	Eicosane	282	C20H42	000112-95-8	84
5	Heptadecane	240	C17H36	000629-78-7	81





Tentatively Identified Compound (LSC) summary

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Data File : BM007096.D
Acq On : 14 Aug 2016 08:00
Operator : UM/SJ
Sample : H4387-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-2430-01

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
1-Methyldibenzoth...	17.76	2.6	ng/ul	572606	4	17.18	4316080	20.0
Phenanthrene, 2-m...	18.06	9.1	ng/ul	1970750	4	17.18	4316080	20.0
Anthracene, 1-met...	18.10	9.6	ng/ul	2071030	4	17.18	4316080	20.0
Phenanthrene, 1-m...	18.24	9.4	ng/ul	2030330	4	17.18	4316080	20.0
Anthracene, 2-met...	18.29	5.7	ng/ul	1234640	4	17.18	4316080	20.0
Naphthalene, 2-ph...	18.56	2.9	ng/ul	615590	4	17.18	4316080	20.0
9,10-Anthracenedione	18.60	4.6	ng/ul	984451	4	17.18	4316080	20.0
Phenanthrene, 2,3...	18.80	2.6	ng/ul	571468	4	17.18	4316080	20.0
di-p-Tolylacetylene	18.89	3.3	ng/ul	720233	4	17.18	4316080	20.0
Phenanthrene, 2,5...	18.97	12.2	ng/ul	2638960	4	17.18	4316080	20.0
Phenanthrene, 3,6...	19.03	5.8	ng/ul	1247620	4	17.18	4316080	20.0
Naphthalene, 1,2-...	19.07	2.9	ng/ul	626360	4	17.18	4316080	20.0
9,10-Dimethylanth...	19.11	6.0	ng/ul	1292110	4	17.18	4316080	20.0
1-(4-Methylphenyl...	19.68	2.7	ng/ul	1269720	5	21.36	9355430	20.0
Pyrene, 2-methyl-	20.06	2.0	ng/ul	955046	5	21.36	9355430	20.0
Pyrene, 1-methyl-	20.26	3.3	ng/ul	1532960	5	21.36	9355430	20.0
11H-Benzo[b]fluorene	20.44	2.6	ng/ul	1196120	5	21.36	9355430	20.0
11H-Benzo[a]fluor...	20.84	2.4	ng/ul	1098580	5	21.36	9355430	20.0
7H-Benz[de]anthra...	21.57	3.3	ng/ul	1564100	5	21.36	9355430	20.0
Benz[a]anthracene...	21.92	4.0	ng/ul	1855390	5	21.36	9355430	20.0
Chrysene, 1-methyl-	21.97	2.1	ng/ul	976987	5	21.36	9355430	20.0
Benz(a)anthracene...	22.43	2.1	ng/ul	1005200	5	21.36	9355430	20.0
(DEL) Alkane: Str...	24.19	3.4	ng/ul	1017510	6	23.64	5928980	20.0