LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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	7.204	695	700	704	rBB	7584	11118	1.15%	0.106%
2	7.663	772	778	786	rBB	138617	214470	22.16%	2.053%
3	8.381	896	900	906	rBB	7771	11635	1.20%	0.111%
4	8.822	971	975	981	rBB	7238	11295	1.17%	0.108%
5	10.451	1245	1252	1258	rBV	222680	368121	38.04%	3.524%
6	13.733	1805	1810	1814	rVV	21831	29040	3.00%	0.278%
7	13.774	1814	1817	1822	rVB	11953	15651	1.62%	0.150%
8	14.010	1852	1857	1860	rBV	26885	38645	3.99%	0.370%
9	14.039	1860	1862	1873	rVB	13891	19997	2.07%	0.191%
10	14.321	1904	1910	1917	rBV2	349577	522315	53.97%	5.000%
11	15.315	2075	2079	2084	rBB	41712	55226	5.71%	0.529%
12	15.368	2084	2088	2096	rBV2	9825	15954	1.65%	0.153%
13	16.045	2198	2203	2210	rBB3	10181	20463	2.11%	0.196%
14	16.727	2315	2319	2325	rVB2	7654	12085	1.25%	0.116%
15	16.886	2342	2346	2353	rVB2	11525	16648	1.72%	0.159%
16	17.074	2371	2378	2381	rBV	432164	623059	64.38%	5.964%
17	17.115	2381	2385	2390	rVV	189306	262650	27.14%	2.514%
18	17.168	2390	2394	2397	rVV2	44816	60090	6.21%	0.575%
19	17.204	2397	2400	2406	rVV	40665	53134	5.49%	0.509%
20	17.262	2406	2410	2415	rVV3	6289	11331	1.17%	0.108%
21	17.480	2443	2447	2458	rBV	12784	22722	2.35%	0.218%
22	17.651	2469	2476	2483	rVB2	16842	24145	2.50%	0.231%
23	17.792	2496	2500	2510	rVB	7938	15508	1.60%	0.148%
24	17.945	2521	2526	2530	rBV	62342	84411	8.72%	0.808%
25	17.992	2530	2534	2540	rVB	74640	105725	10.93%	1.012%
26	18.074	2544	2548	2553	rBV	15546	23996	2.48%	0.230%
27	18.139	2553	2559	2563	rVV2	78624	137697	14.23%	1.318%
28	18.180	2563	2566	2572	rVB	50966	67871	7.01%	0.650%
29	18.262	2575	2580	2583	rBV3	11434	13706	1.42%	0.131%
30	18.351	2590	2595	2599	rVB2	11282	16327	1.69%	0.156%
31	18.451	2606	2612	2616	rBV2	32515	44369	4.58%	0.425%
32	18.498	2616	2620	2629	rVB2	37400	61668	6.37%	0.590%
33	18.621	2636	2641	2646	rVB3	5874	12754	1.32%	0.122%
34	18.674	2646	2650	2651	rBV2	11587	13824	1.43%	0.132%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

35	18.698	2651	2654	2657	rVV	22076	29886	3.09%	0.286%
36	18.750	2657	2663	2666	rVV	33696	48832	5.05%	0.467%
37	18.792	2666	2670	2674	rVB2	25057	32133	3.32%	0.308%
38	18.874	2674	2684	2689	rBV	86920	154529	15.97%	1.479%
39	18.933	2689	2694	2697	rVV2	44526	94432	9.76%	0.904%
40	18.968	2697	2700	2702	rVV	31545	40523	4.19%	0.388%
41	19.009	2702	2707	2715	rVV4	44123	123052	12.72%	1.178%
42	19.068	2715	2717	2722	rVV2	16428	24288	2.51%	0.233%
43	19.139	2723	2729	2735	rVV	360374	467714	48.33%	4.477%
44	19.203	2736	2740	2743	rVV	19171	26278	2.72%	0.252%
45	19.239	2743	2746	2750	rVV3	17345	22685	2.34%	0.217%
46	19.286	2750	2754	2758	rVV3	33280	43111	4.45%	0.413%
47	19.339	2760	2763	2767	rVV2	15149	20105	2.08%	0.192%
48	19.386	2767	2771	2774	rVV2	22993	31533	3.26%	0.302%
49	19.415	2774	2776	2780	rVB3	10225	13304	1.37%	0.127%
50	19.503	2787	2791	2800	rVB	393595	588330	60.79%	5.632%
51	19.580	2800	2804	2809	rBV2	43437	66829	6.91%	0.640%
52	19.674	2815	2820	2823	rBV2	11579	21742	2.25%	0.208%
53	19.709	2823	2826	2828	rVV2	15094	18041	1.86%	0.173%
54	19.739	2828	2831	2838	rVB4	31009	51190	5.29%	0.490%
55	19.850	2838	2850	2854	rBV5	68930	183957	19.01%	1.761%
56	19.997	2865	2875	2882	rVB2	162224	277860	28.71%	2.660%
57	20.103	2889	2893	2896	rVV2	39876	55287	5.71%	0.529%
58	20.162	2899	2903	2907	rVV	79594	123312	12.74%	1.180%
59	20.203	2907	2910	2915	rVB6	21887	30843	3.19%	0.295%
60	20.280	2918	2923	2925	rVV	108130	142108	14.68%	1.360%
61	20.303	2925	2927	2930	rVV	63747	75514	7.80%	0.723%
62	20.345	2930	2934	2939	rVB	55560	99960	10.33%	0.957%
63	20.386	2939	2941	2946	rVB2	15302	16824	1.74%	0.161%
64	20.433	2946	2949	2953	rBV3	32219	46568	4.81%	0.446%
65	20.527	2959	2965	2968	rBV5	15494	25208	2.60%	0.241%
66	20.568	2968	2972	2974	rVV	76241	102846	10.63%	0.985%
67	20.597	2974	2977	2987	rVV4	92501	164778	17.03%	1.577%
68	20.668	2987	2989	2993	rVV4	13909	21228	2.19%	0.203%
69	20.750	2993	3003	3009	rVV3	77181	183859	19.00%	1.760%
70	20.809	3009	3013	3016	rVV5	30337	39911	4.12%	0.382%
71	20.844	3016	3019	3024	rVB2	20870	26320	2.72%	0.252%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

72	20.921	3024	3032	3036	rBV4	50816	115581	11.94%	1.106%
73	20.962	3036	3039	3042	rVV	38915	49200	5.08%	0.471%
74	21.015	3042	3048	3051	rVV2	59946	103540	10.70%	0.991%
75	21.068	3051	3057	3062	rVB3	36259	77028	7.96%	0.737%
76	21.162	3070	3073	3077	rBV2	10989	13077	1.35%	0.125%
77	21.274	3085	3092	3096	rBV2	544974	967730	100.00%	9.264%
78	21.309	3096	3098	3109	rVB	230141	315793	32.63%	3.023%
79	21.391	3109	3112	3115	rBV2	24864	31477	3.25%	0.301%
80	21.433	3115	3119	3125	rBV4	28099	57942	5.99%	0.555%
81	21.615	3146	3150	3157	rVB6	41646	76360	7.89%	0.731%
82	21.674	3157	3160	3162	rVB2	16137	16087	1.66%	0.154%
83	21.739	3168	3171	3174	rVB3	14364	15349	1.59%	0.147%
84	21.768	3174	3176	3179	rBV	15015	15387	1.59%	0.147%
85	21.827	3179	3186	3189	rBV	63178	110718	11.44%	1.060%
86	21.880	3192	3195	3201	rVV2	30632	54237	5.60%	0.519%
87	22.021	3216	3219	3222	rBV2	41031	61989	6.41%	0.593%
88	22.056	3223	3225	3232	rVB3	49733	77419	8.00%	0.741%
89	22.344	3264	3274	3284	rBV10	33903	148531	15.35%	1.422%
90	22.421	3284	3287	3293	rBV5	11692	25332	2.62%	0.242%
91	22.844	3351	3359	3364	rBV	108571	256686	26.52%	2.457%
92	23.021	3384	3389	3393	rBV	18083	29071	3.00%	0.278%
93	23.321	3434	3440	3445	rBV	81220	144871	14.97%	1.387%
94	23.374	3445	3449	3452	rVV2	34331	53587	5.54%	0.513%
95	23.415	3452	3456	3464	rVB	116734	206843	21.37%	1.980%
96	23.515	3466	3473	3478	rBV	302125	542079	56.02%	5.189%
97	24.015	3550	3558	3562	rBV4	17705	49130	5.08%	0.470%
98	25.762	3847	3855	3864	rVB	54076	148832	15.38%	1.425%
99	26.450	3964	3972	3988	rVB	34612	112554	11.63%	1.077%
100	26.638	3998	4004	4008	rBV7	6654	17196	1.78%	0.165%

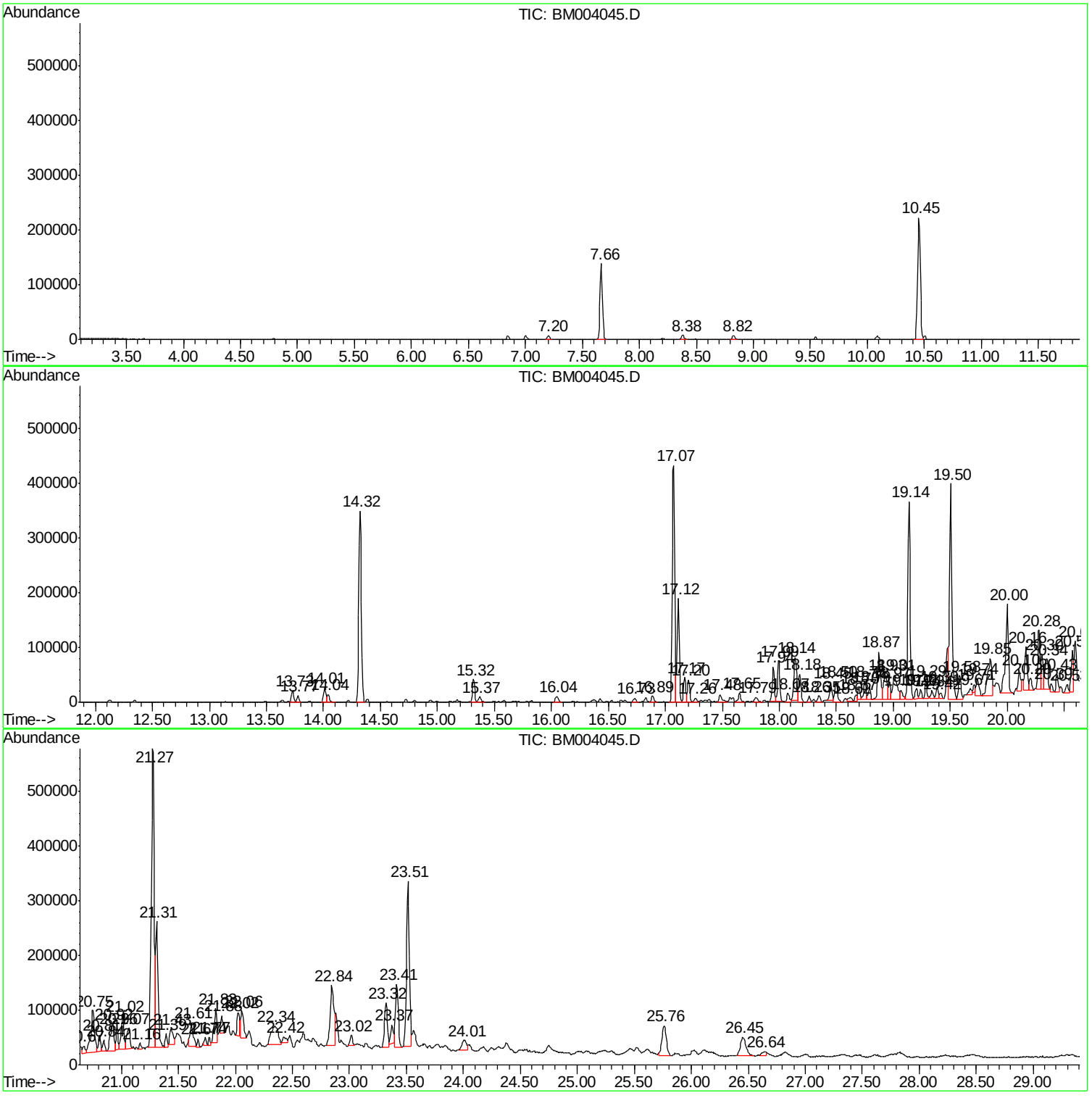
Sum of corrected areas: 10446196

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

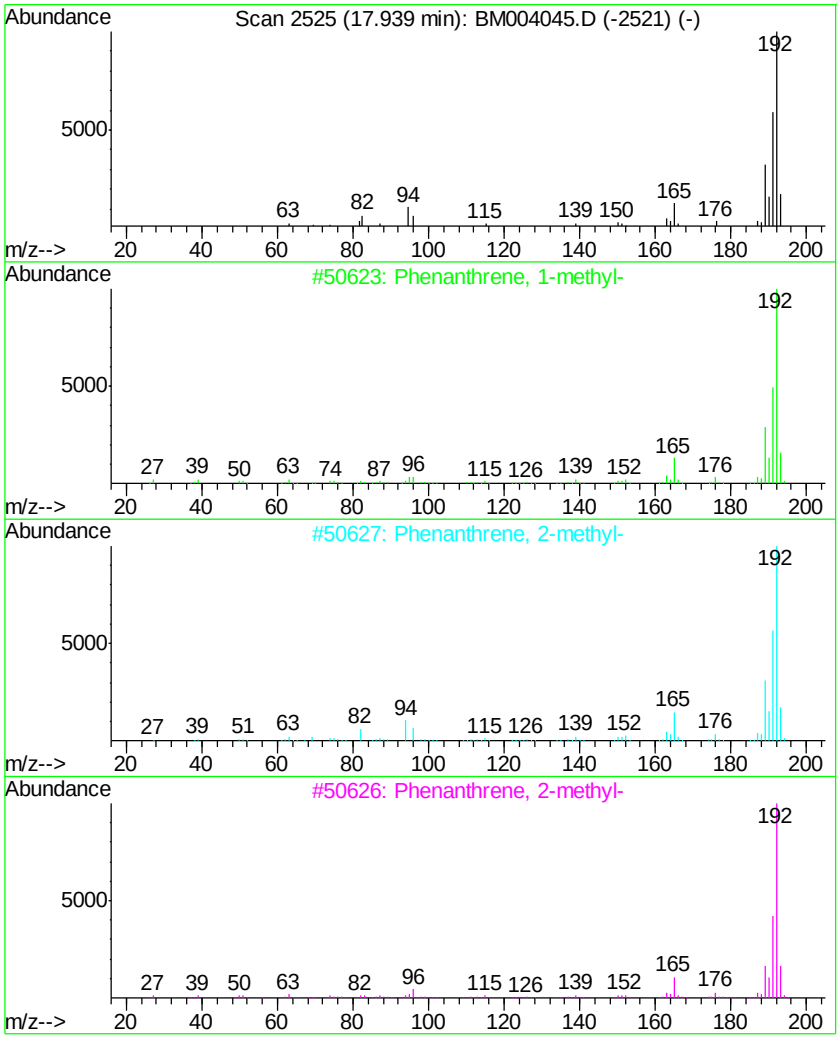
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

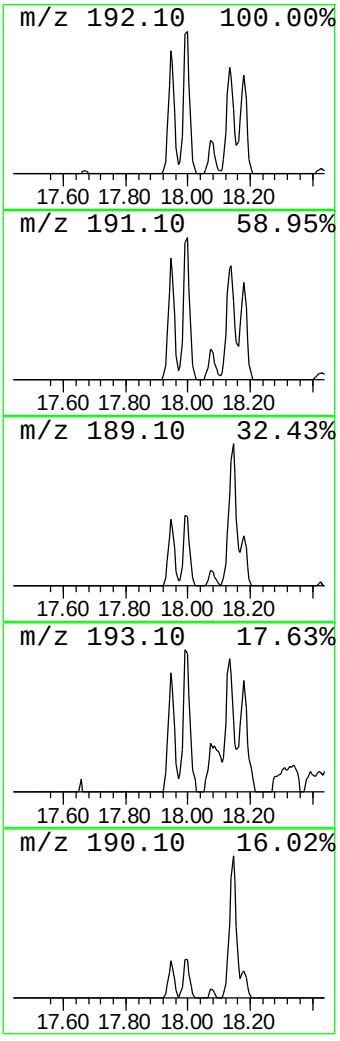
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.71 ng/ul	84411	Phenanthrene-d10	17.07

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

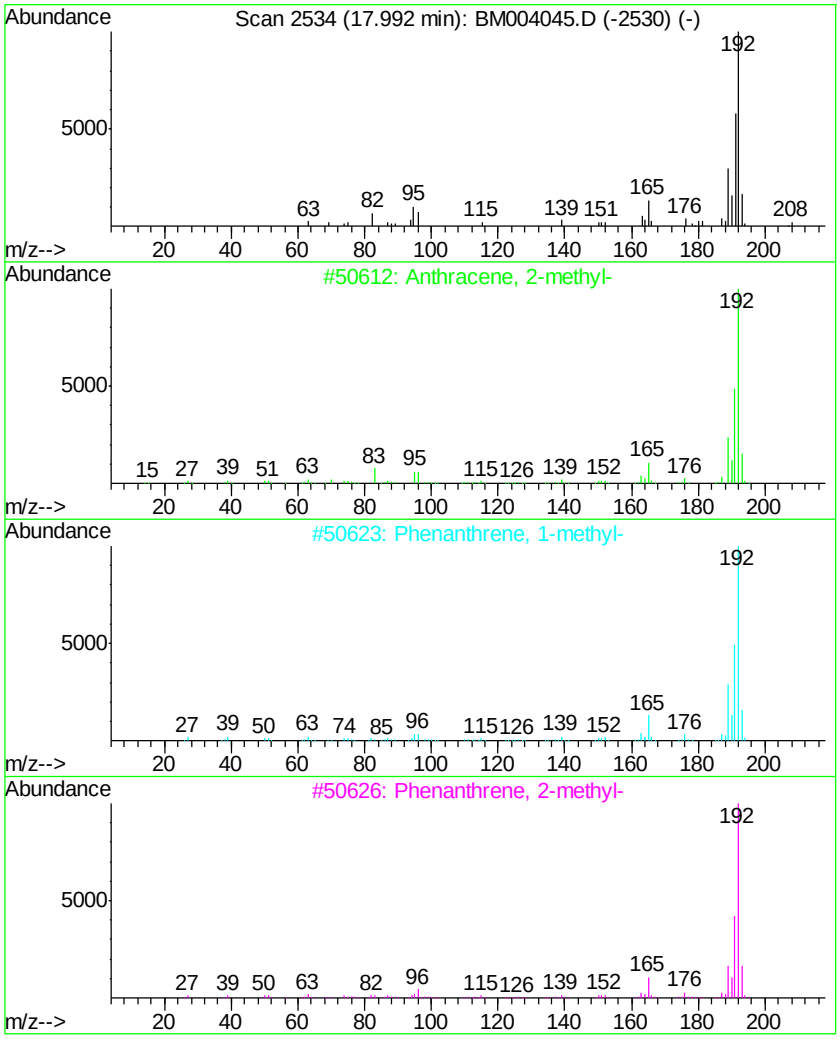
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

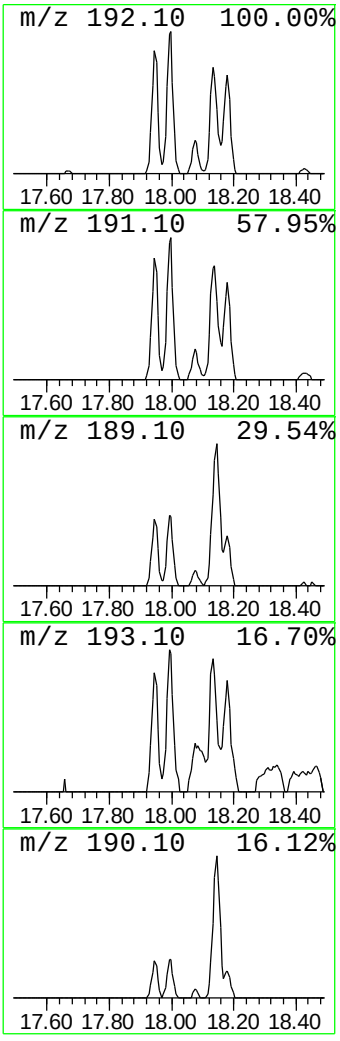
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	3.39 ng/ul	105725	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

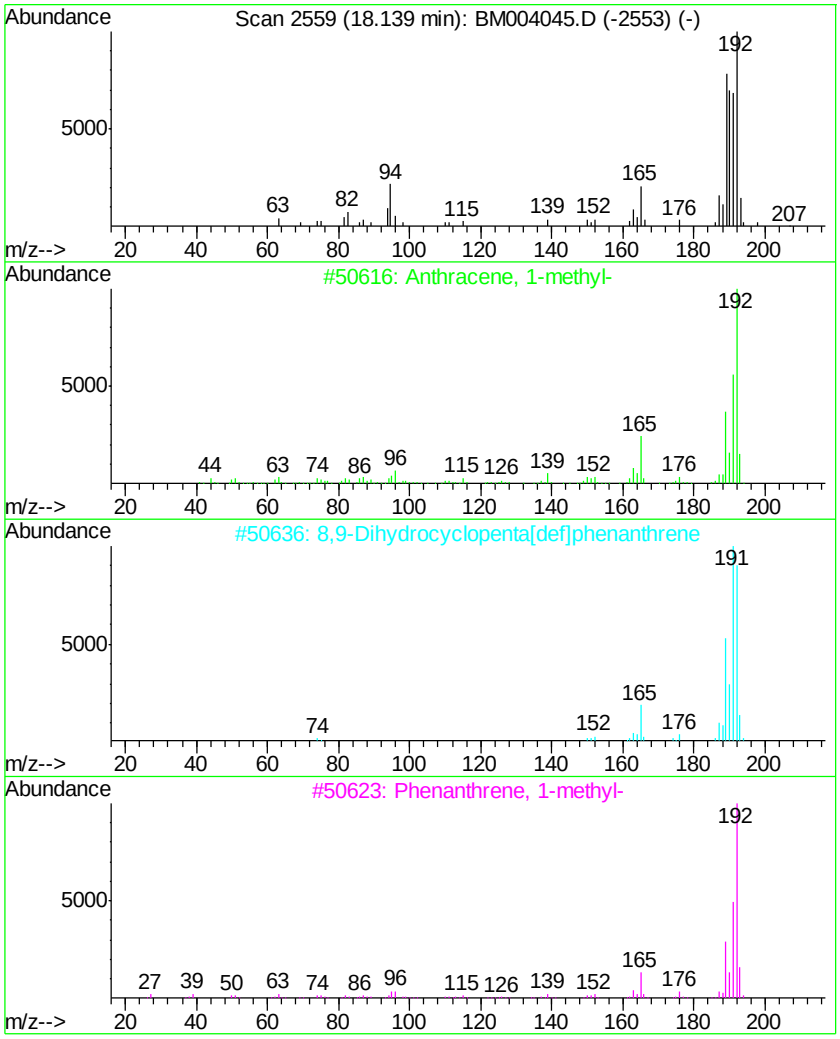
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

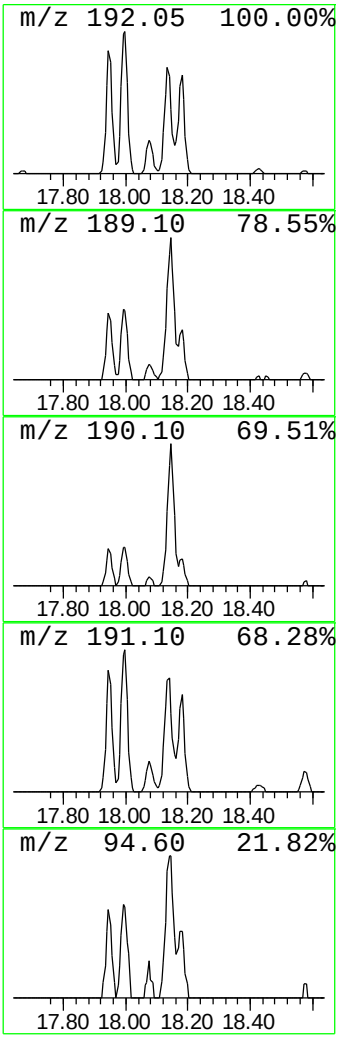
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	4.42 ng/ul	137697	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	55
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

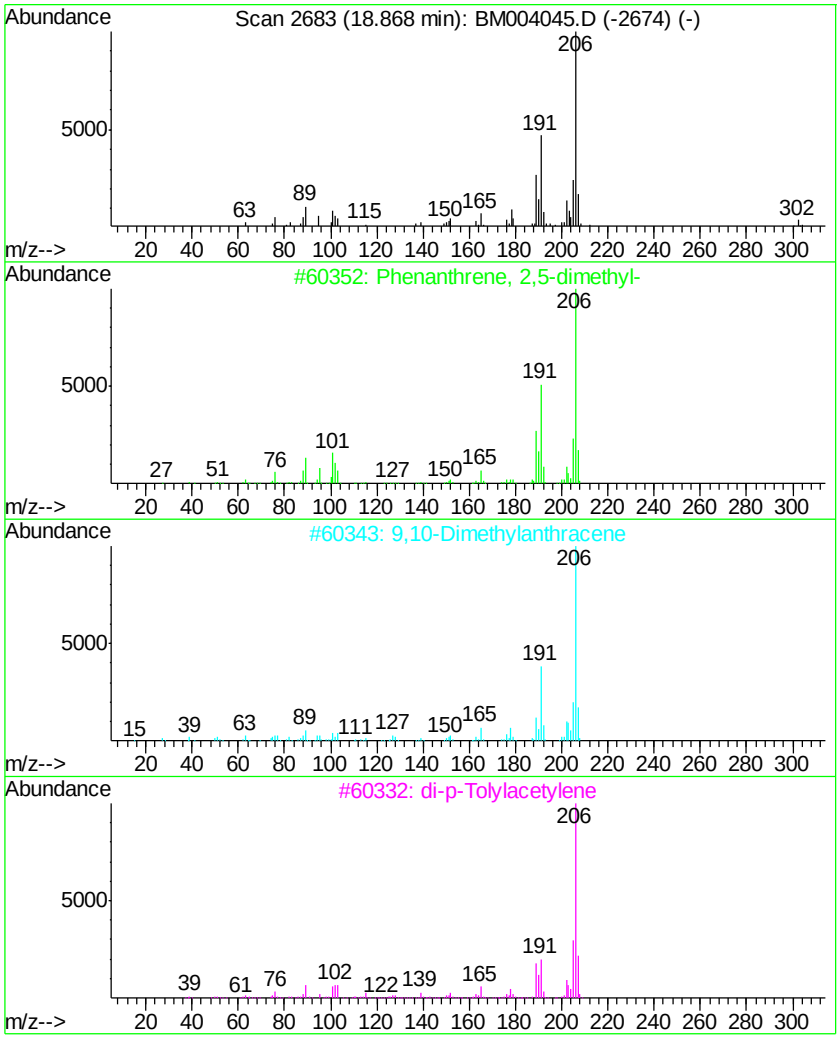
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

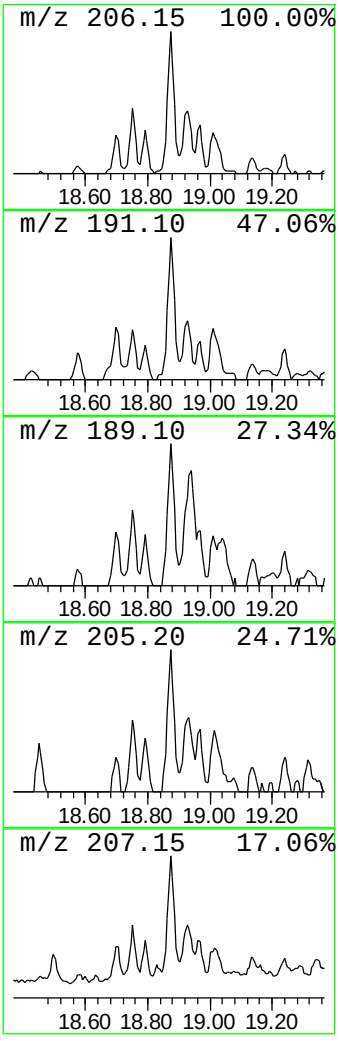
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	4.96 ng/ul	154529	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

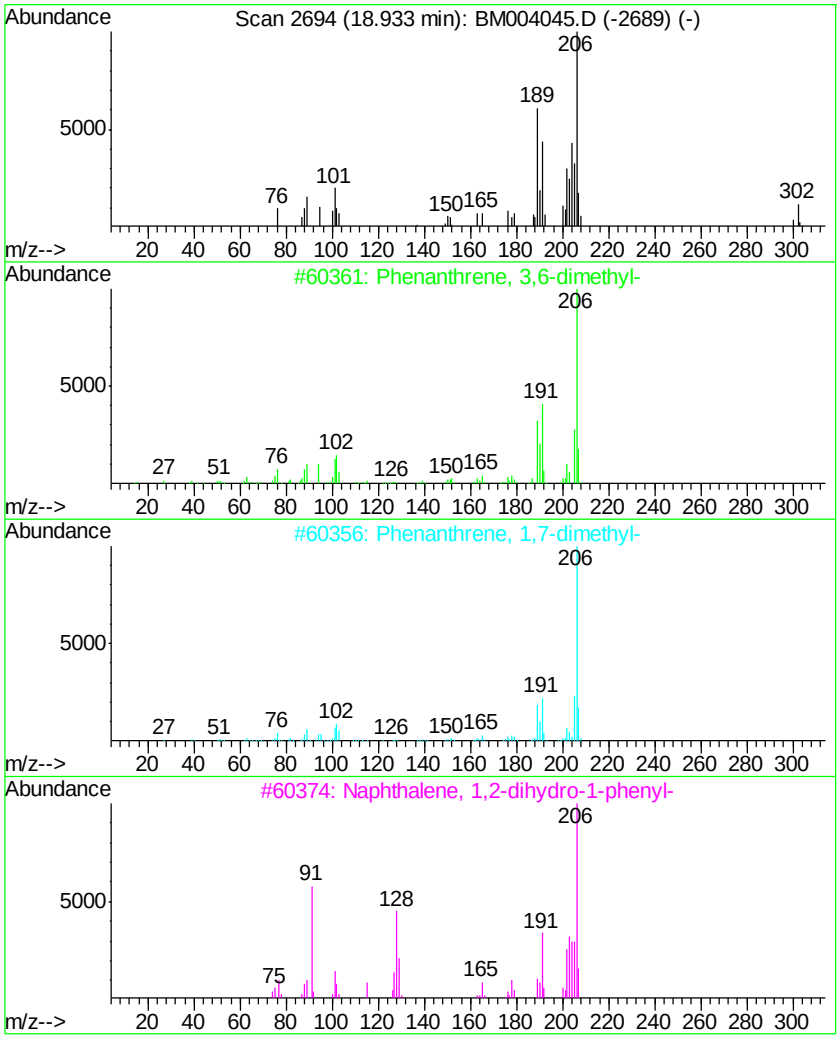
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

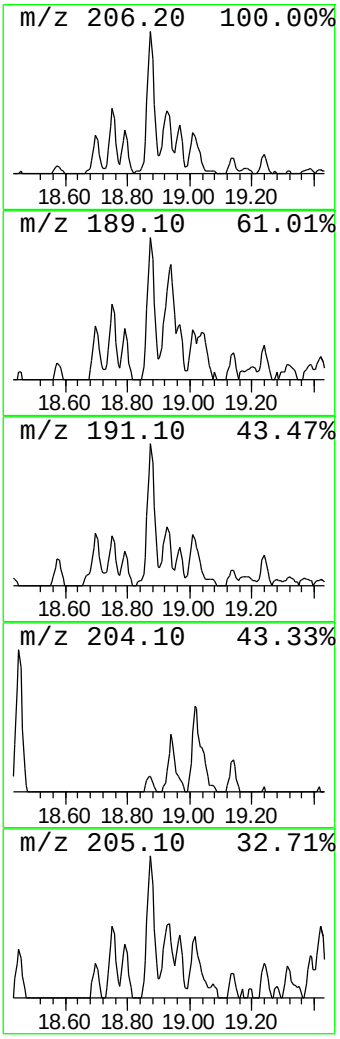
****

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.03 ng/ul	94432	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

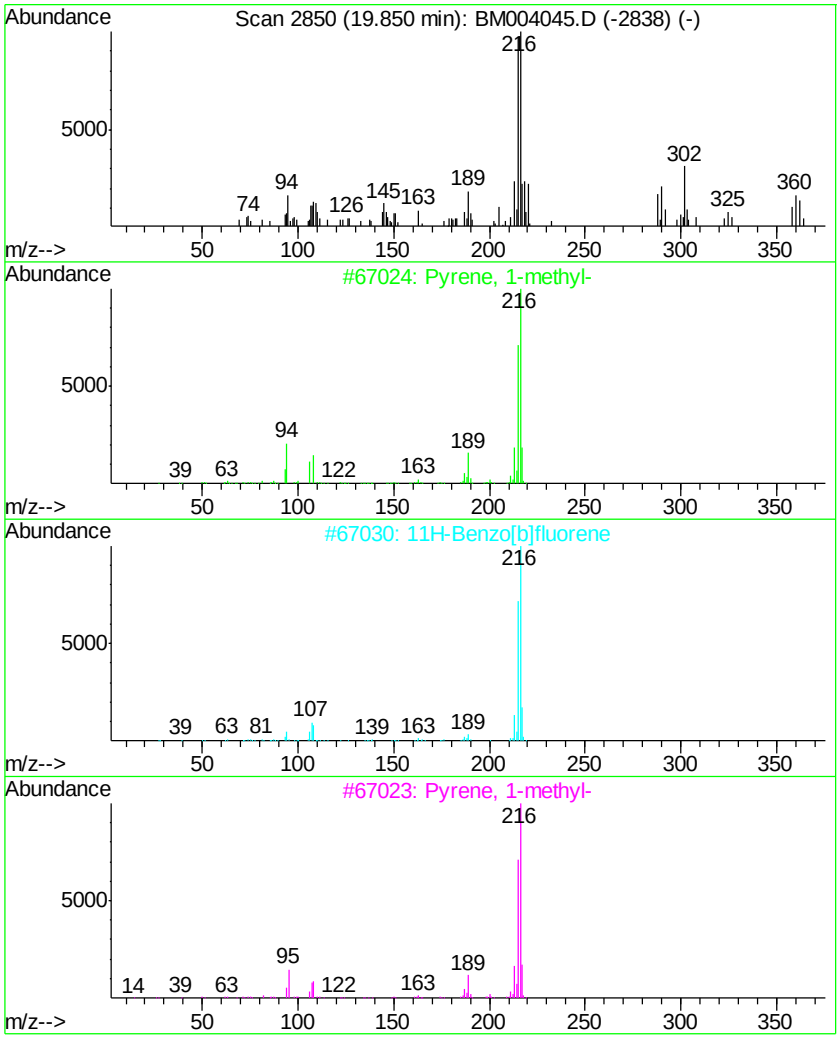
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

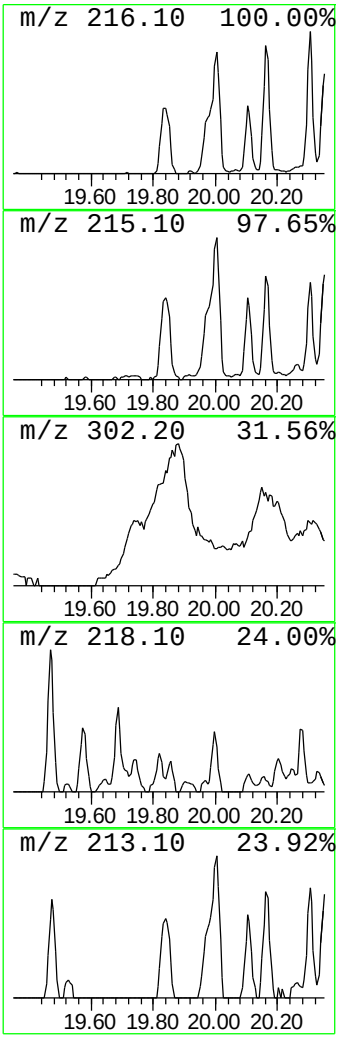
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	3.80 ng/ul	183957	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	49
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49





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Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

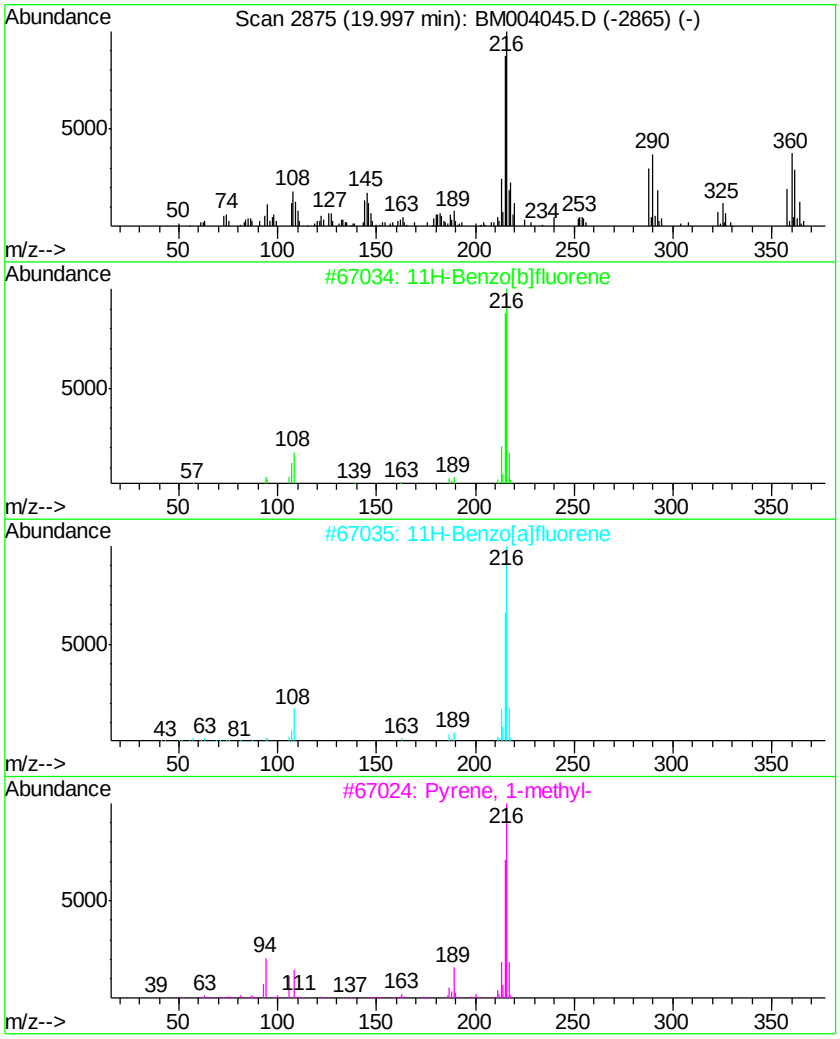
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

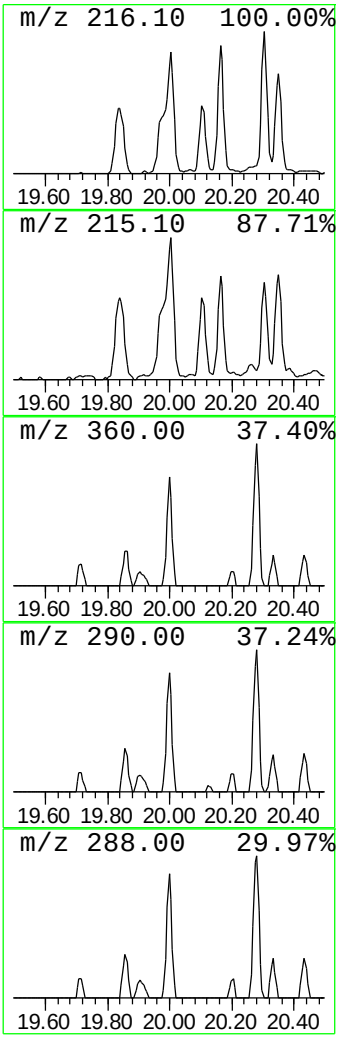
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	5.74 ng/ul	277860	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





Library Search Compound Report

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Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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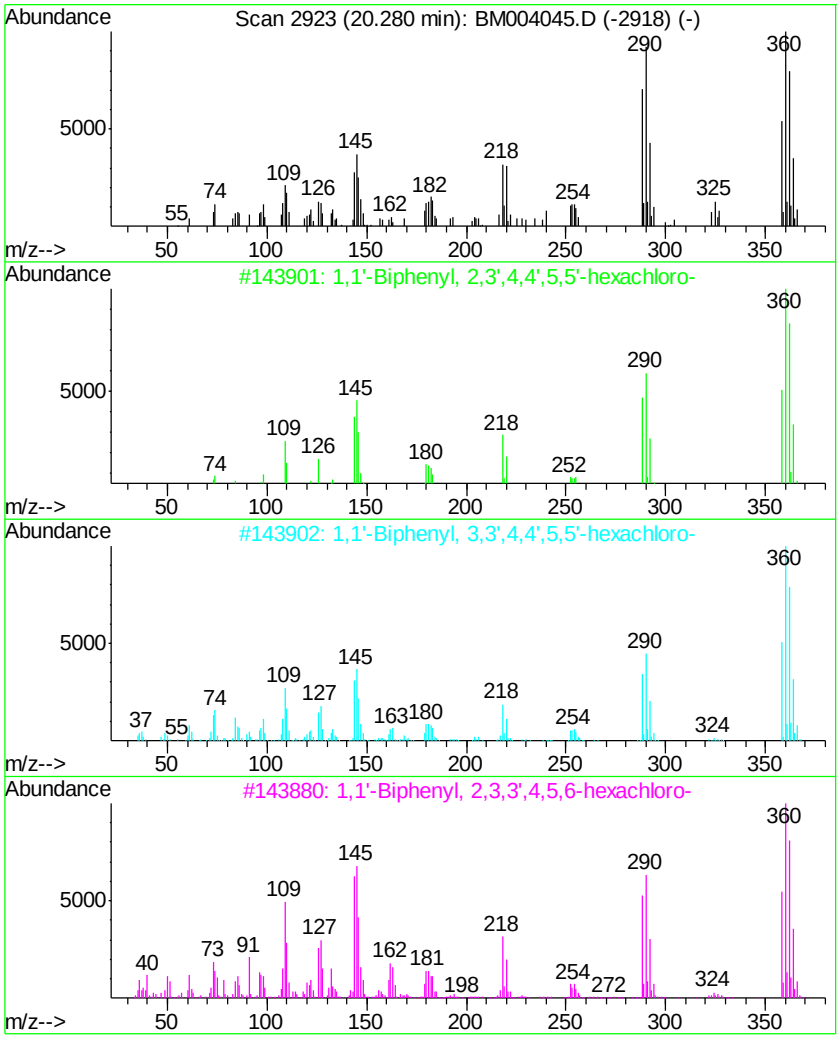
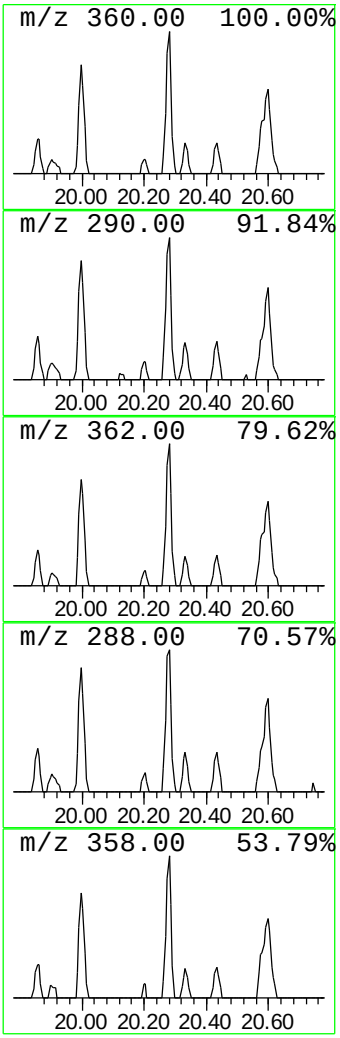
Peak Number 11 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	2.94 ng/ul	142108	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
4	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
5	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99





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Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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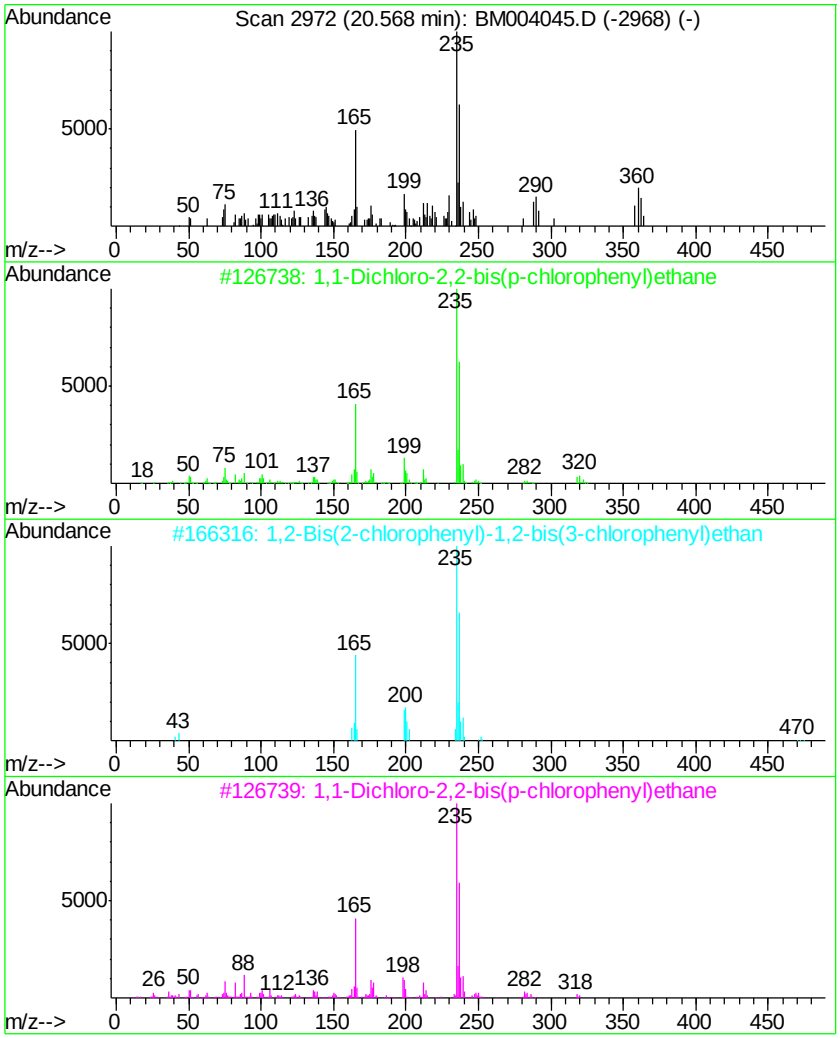
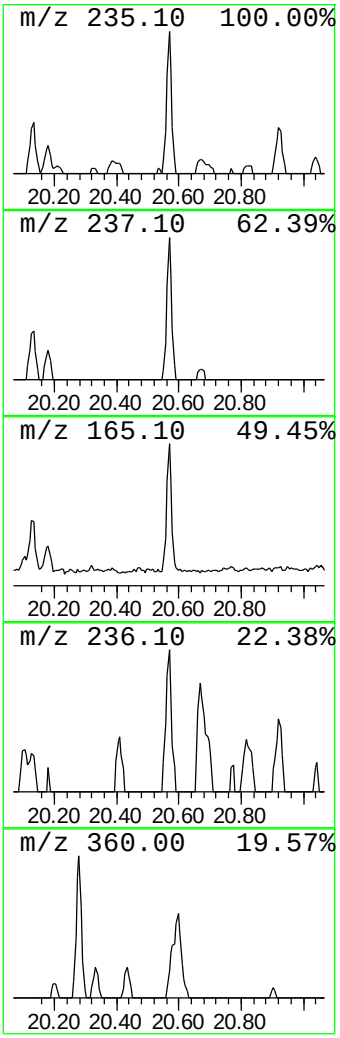
Peak Number 13 1,1-Dichloro-2,2-bis(p-chlo... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	2.13 ng/ul	102846	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	68
2	1,2-Bis(2-chlorophenyl)-1,2-bis(...	470	C26H18Cl4	1000137-94-8	64
3	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	64
4	o,p'-DDT	352	C14H9Cl5	000789-02-6	62
5	3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	58





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Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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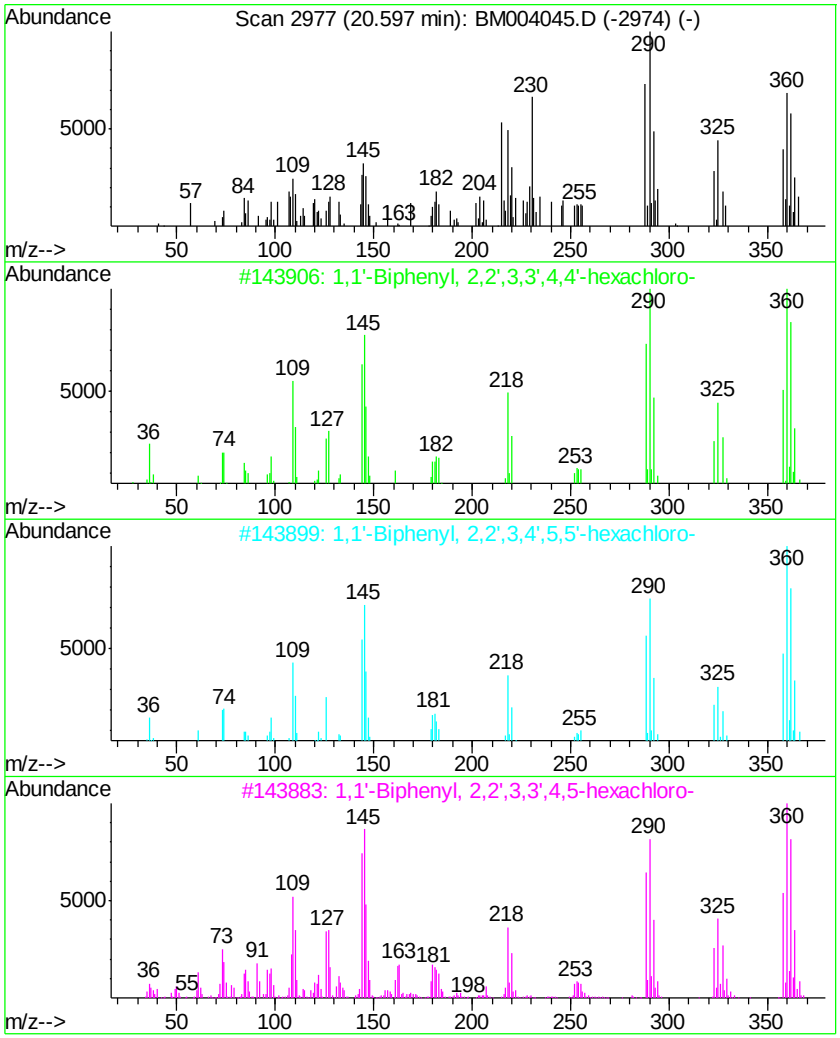
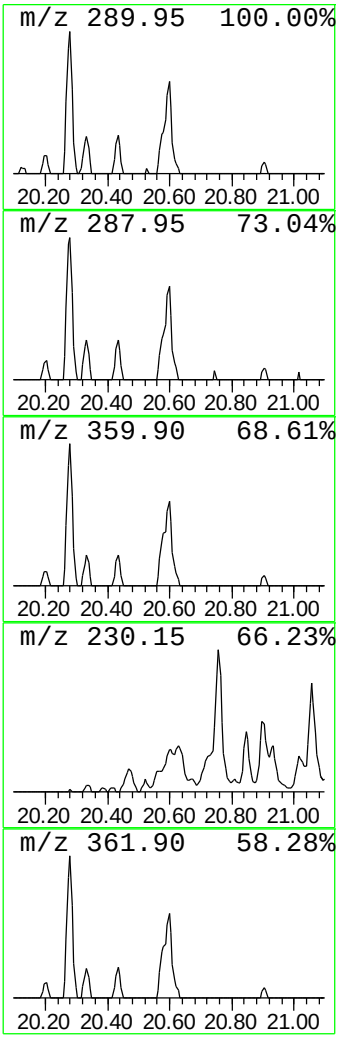
Peak Number 14 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	3.41 ng/ul	164778	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	98
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	98
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	98





Library Search Compound Report

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Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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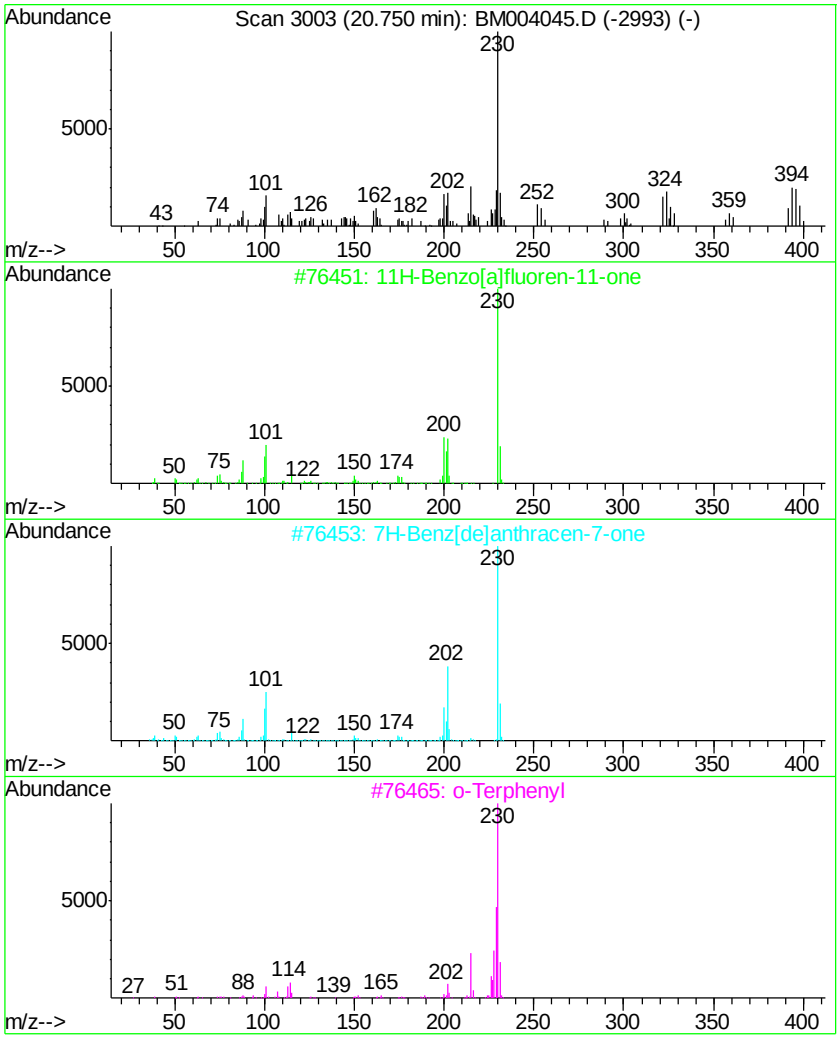
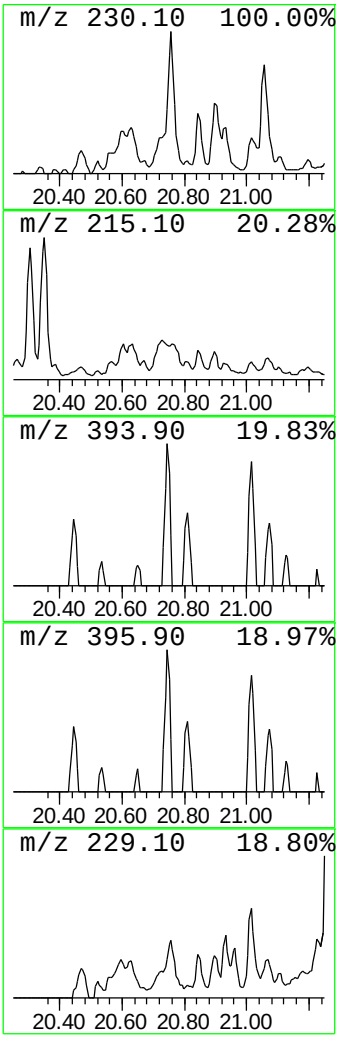
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	3.80 ng/ul	183859	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	52
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
3	o-Terphenyl	230	C18H14	000084-15-1	41
4	o-Terphenyl	230	C18H14	000084-15-1	38
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	38





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Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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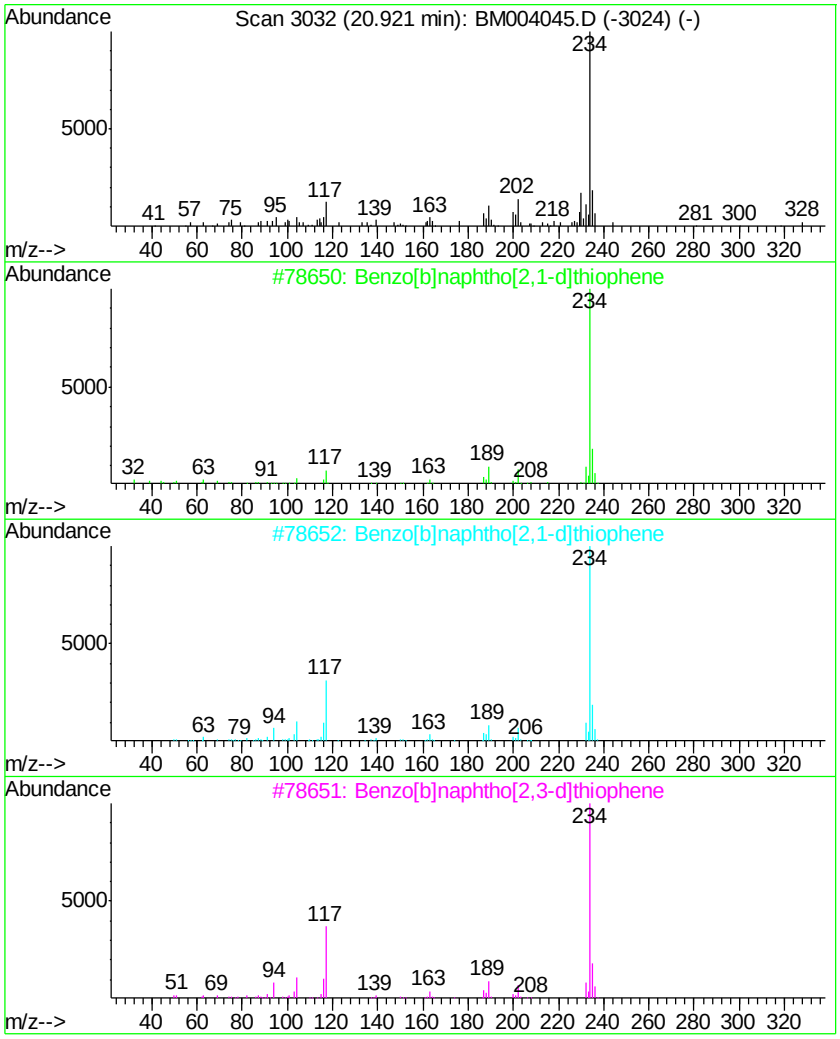
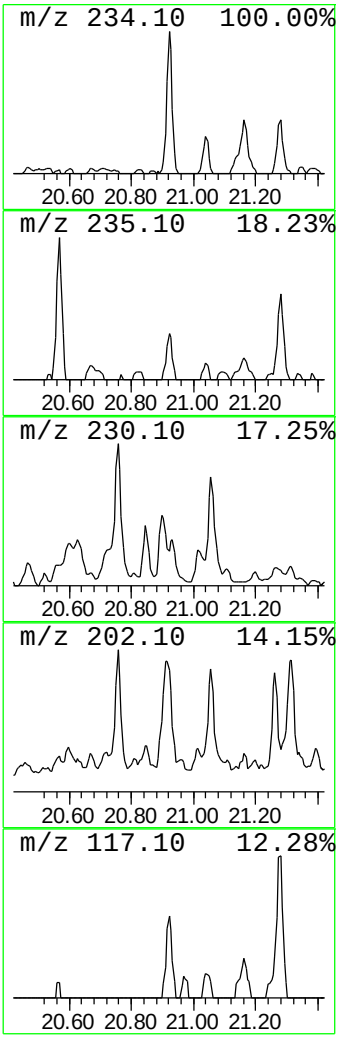
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.39 ng/ul	115581	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





Library Search Compound Report

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Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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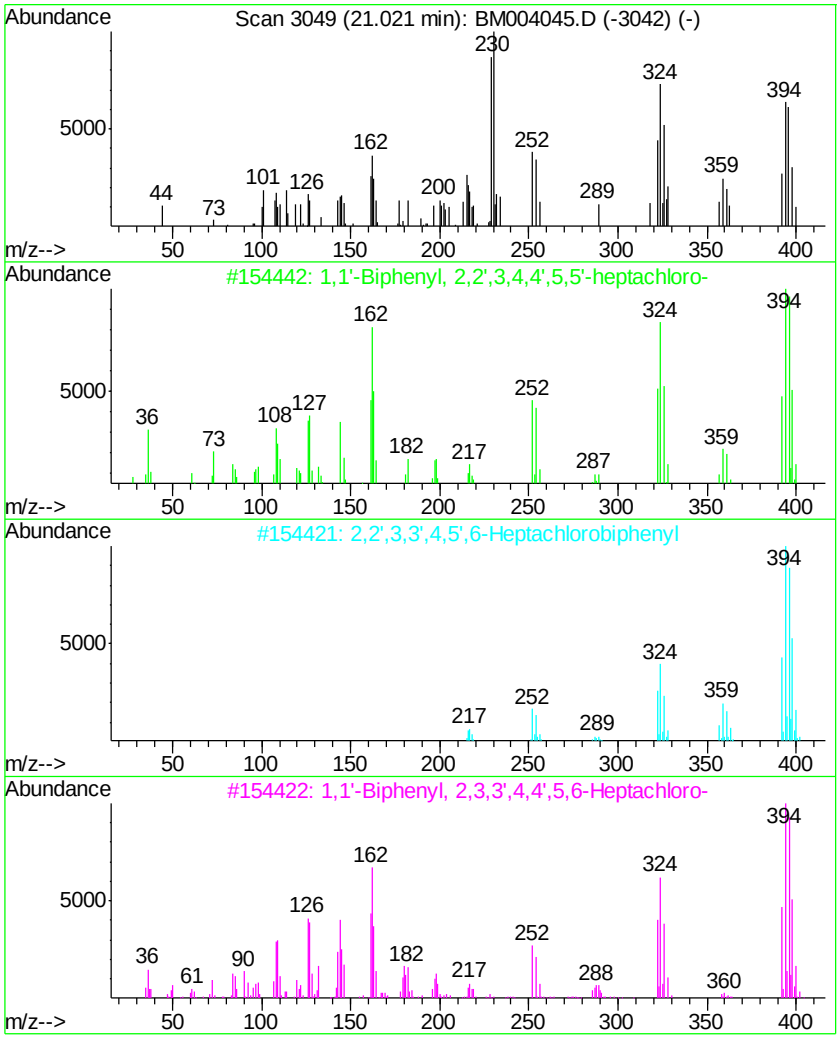
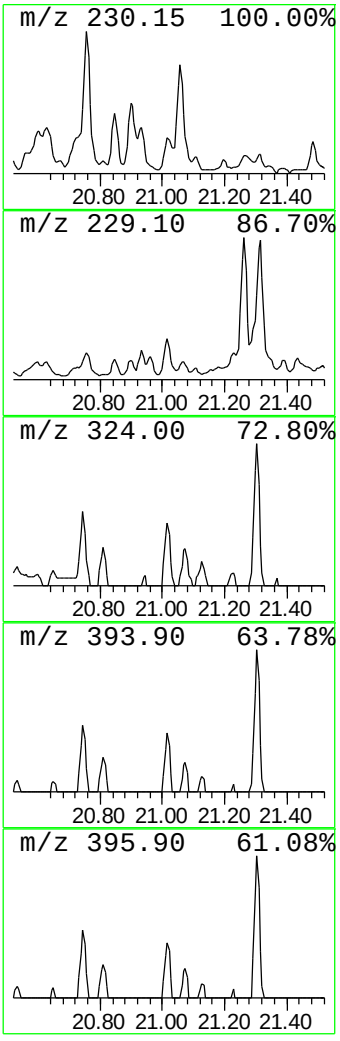
Peak Number 17 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.14 ng/ul	103540	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
2	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99
4	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
5	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	97





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Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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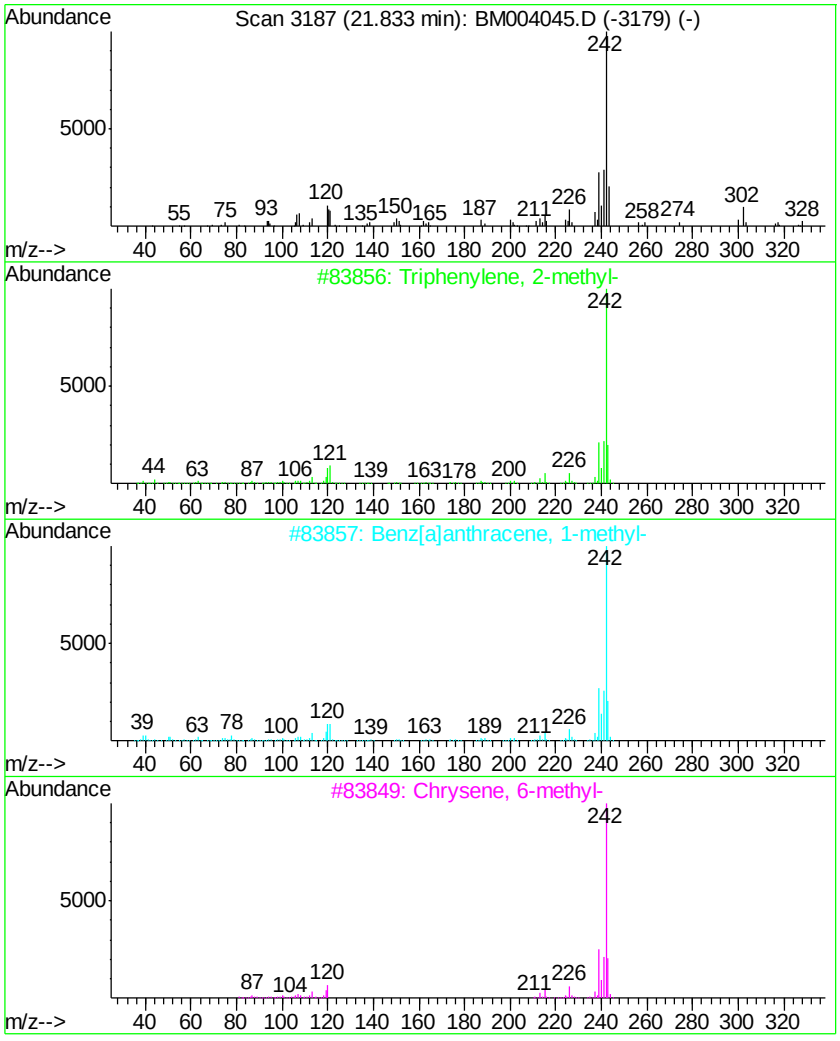
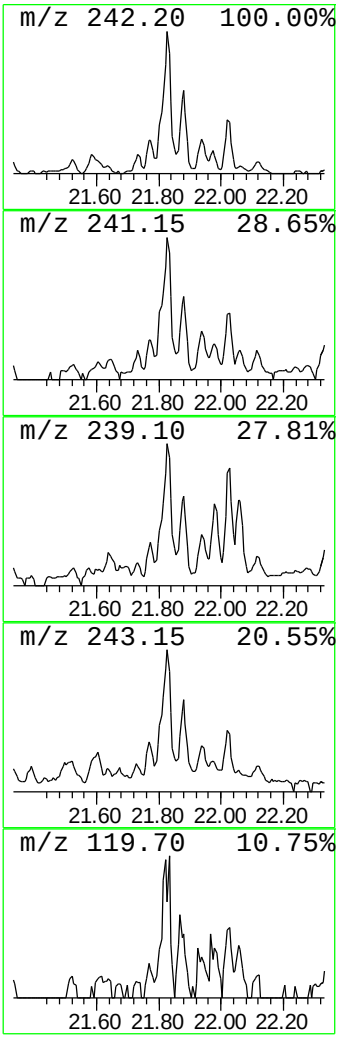
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.29 ng/ul	110718	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	94
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	94
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	93





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Instrument : BNA_M
ClientSampleId : BC984

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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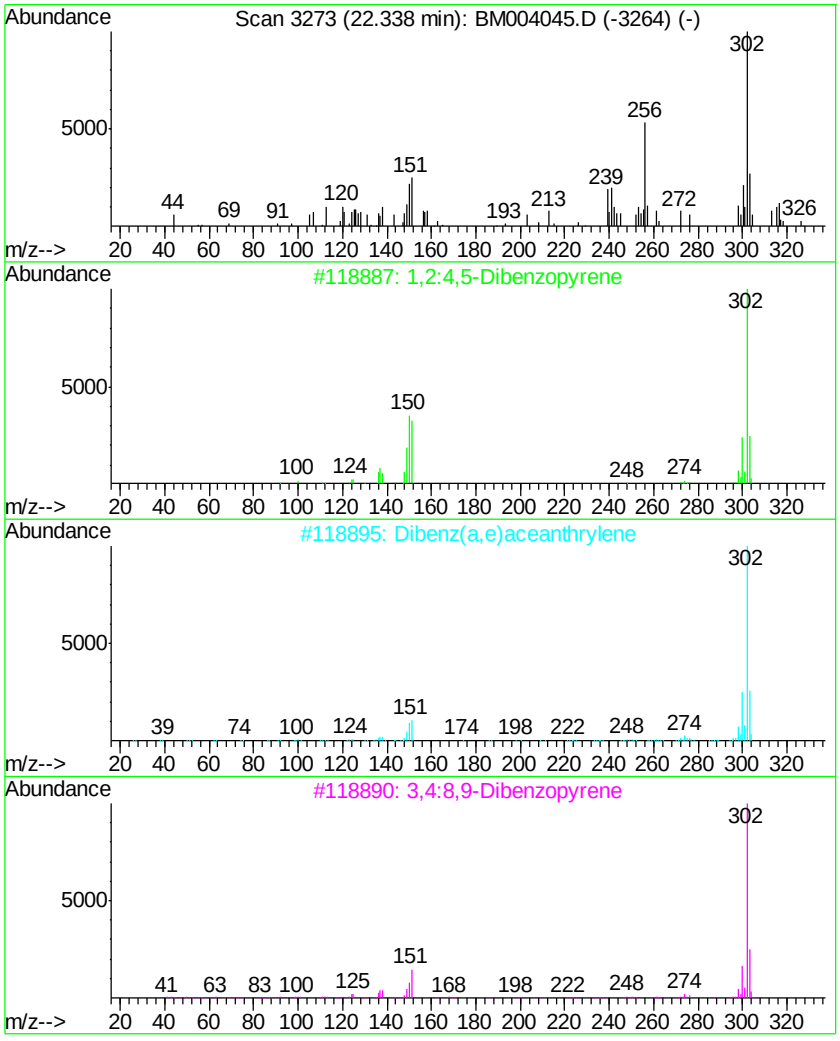
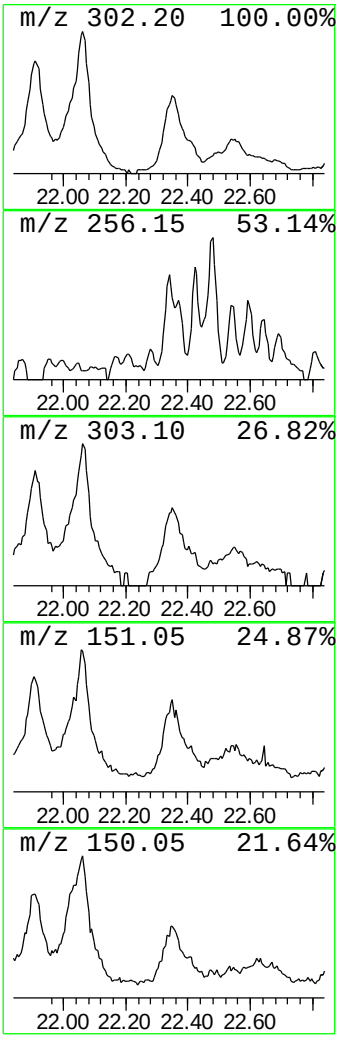
Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	3.07 ng/ul	148531	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	78
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	78
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	60
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	60
5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004045.D
Acq On : 15 Jan 2016 13:35
Operator : SJ/UM
Sample : H1100-03 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 1-m...	17.94	2.7	ng/ul	84411	4	17.07	623059	20.0
Anthracene, 2-met...	17.99	3.4	ng/ul	105725	4	17.07	623059	20.0
Anthracene, 1-met...	18.14	4.4	ng/ul	137697	4	17.07	623059	20.0
Phenanthrene, 2,5...	18.87	5.0	ng/ul	154529	4	17.07	623059	20.0
Phenanthrene, 3,6...	18.93	3.0	ng/ul	94432	4	17.07	623059	20.0
Pyrene, 1-methyl-	19.85	3.8	ng/ul	183957	5	21.28	967730	20.0
11H-Benzo[b]fluorene	20.00	5.7	ng/ul	277860	5	21.28	967730	20.0
1,1'-Biphenyl, 2,...	20.28	2.9	ng/ul	142108	5	21.28	967730	20.0
1,1-Dichloro-2,2-...	20.57	2.1	ng/ul	102846	5	21.28	967730	20.0
1,1'-Biphenyl, 2,...	20.60	3.4	ng/ul	164778	5	21.28	967730	20.0
11H-Benzo[a]fluor...	20.75	3.8	ng/ul	183859	5	21.28	967730	20.0
Benzo[b]naphtho[2...	20.92	2.4	ng/ul	115581	5	21.28	967730	20.0
1,1'-Biphenyl, 2,...	21.02	2.1	ng/ul	103540	5	21.28	967730	20.0
Triphenylene, 2-m...	21.83	2.3	ng/ul	110718	5	21.28	967730	20.0
1,2:4,5-Dibenzopy...	22.34	3.1	ng/ul	148531	5	21.28	967730	20.0